

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094697.D
 Acq On : 28 Apr 2017 21:26
 Operator : SJ/MA
 Sample : I2873-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Manual Integrations
 APPROVED

mohammad
 5/1/2017 6:40:36 PM

Quant Time: Apr 29 02:35:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	112896	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	443574	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	184261	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	283841	20.00	ng	0.00
75) Chrysene-d12	14.48	240	214937	20.00	ng	0.00
86) Perylene-d12	16.10	264	165455	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	4.34	112	808922	118.88	ng	0.03
7) Phenol-d6	5.41	99	963851	120.15	ng	0.01
23) Nitrobenzene-d5	6.42	82	586022	81.58	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	165055	114.52	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	988197	78.91	ng	0.00
78) Terphenyl-d14	13.19	244	669043	83.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.17	88	106832	27.00	ng	95
3) Pyridine	2.68	79	299045	34.57	ng	99
4) n-Nitrosodimethylamine	2.63	42	132042	36.89	ng	88
6) Aniline	5.41	93	246588	23.13	ng	# 75
8) 2-Chlorophenol	5.55	128	310459	40.09	ng	96
9) Benzaldehyde	5.28	77	78844	12.92	ng	98
10) Phenol	5.42	94	393111	39.89	ng	95
11) bis(2-Chloroethyl)ether	5.49	93	285011	39.59	ng	96
12) 1,3-Dichlorobenzene	5.71	146	333661	38.89	ng	98
13) 1,4-Dichlorobenzene	5.80	146	334853	38.80	ng	98
14) 1,2-Dichlorobenzene	5.97	146	312154	39.26	ng	97
15) Benzyl Alcohol	5.95	79	231622	38.92	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.10	45	366016	38.78	ng	# 40
17) 2-Methylphenol	6.10	107	241318	39.57	ng	# 92
18) Hexachloroethane	6.35	117	95110	32.14	ng	# 83
19) n-Nitroso-di-n-propylamine	6.26	70	215873	40.61	ng	97
20) 3+4-Methylphenols	6.28	107	343242	41.42	ng	# 60
22) Acetophenone	6.25	105	437497	40.56	ng	# 84
24) Nitrobenzene	6.45	77	303874	40.17	ng	92
25) Isophorone	6.73	82	538400	40.43	ng	97
26) 2-Nitrophenol	6.82	139	152312	37.48	ng	98
27) 2,4-Dimethylphenol	6.90	122	266076	40.30	ng	98
28) bis(2-Chloroethoxy)methane	6.99	93	350167	40.65	ng	98
29) 2,4-Dichlorophenol	7.12	162	250139	40.73	ng	97
30) 1,2,4-Trichlorobenzene	7.20	180	250027	39.38	ng	99
31) Naphthalene	7.29	128	921029	43.19	ng	100
32) Benzoic acid	7.03	122	32973	9.45	ng	96
33) 4-Chloroaniline	7.37	127	84052	9.47	ng	# 92
34) Hexachlorobutadiene	7.44	225	127255	40.20	ng	97
35) Caprolactam	7.82	113	73770m	38.24	ng	
36) 4-Chloro-3-methylphenol	8.00	107	252190	39.18	ng	87
37) 2-Methylnaphthalene	8.13	142	620117	42.51	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.34	216	220743	42.07	ng	99
40) Hexachlorocyclopentadiene	8.32	237	42113	19.84	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.50	196	157775	42.82	nq	97
43) 2,4,5-Trichlorophenol	8.55	196	161508	42.68	nq	94
45) 1,1'-Biphenyl	8.71	154	636324	42.27	nq	98
46) 2-Chloronaphthalene	8.72	162	487183	40.70	nq	96
47) 2-Nitroaniline	8.87	65	145129	42.15	nq	# 85
48) Acenaphthylene	9.22	152	753578	40.38	nq	99
49) Dimethylphthalate	9.10	163	647561	47.16	nq	99
50) 2,6-Dinitrotoluene	9.17	165	119057	38.63	nq	98
51) Acenaphthene	9.44	154	467649	41.84	nq	98
52) 3-Nitroaniline	9.37	138	88802	24.90	nq	88
53) 2,4-Dinitrophenol	9.52	184	13216	13.09	nq	# 65
54) Dibenzofuran	9.65	168	671791	41.35	nq	96
55) 4-Nitrophenol	9.64	139	124992m	49.61	nq	
56) 2,4-Dinitrotoluene	9.67	165	145456	38.46	nq	# 96
57) Fluorene	10.08	166	525266	41.52	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.82	232	108888	40.15	nq	95
59) Diethylphthalate	9.97	149	543341	41.94	nq	99
60) 4-Chlorophenyl-phenylether	10.08	204	217215	41.26	nq	92
61) 4-Nitroaniline	10.13	138	112182	30.95	nq	97
62) Azobenzene	10.28	77	484439	38.51	nq	93
64) 4,6-Dinitro-2-methylphenol	10.18	198	20199	10.86	nq	# 69
65) n-Nitrosodiphenylamine	10.24	169	441318	44.71	nq	98
66) 4-Bromophenyl-phenylether	10.68	248	124658	44.23	nq	97
67) Hexachlorobenzene	10.75	284	119457	42.06	nq	# 85
68) Atrazine	10.91	200	124029	42.00	nq	97
69) Pentachlorophenol	11.01	266	104007	92.22	nq	98
70) Phenanthrene	11.26	178	1142462	71.48	nq	99
71) Anthracene	11.32	178	748918	45.30	nq	99
72) Carbazole	11.52	167	643054	41.44	nq	97
73) Di-n-butylphthalate	11.97	149	789816	46.23	nq	99
74) Fluoranthene	12.72	202	1120667	67.65	nq	99
76) Benzidine	12.89	184	287587	33.05	nq	# 94
77) Pyrene	12.99	202	1087374	72.41	nq	99
79) Butylbenzylphthalate	13.81	149	305293	46.39	nq	# 86
80) Benzo(a)anthracene	14.47	228	708880	56.74	nq	99
81) 3,3'-Dichlorobenzidine	14.44	252	150473	34.02	nq	# 96
82) Chrysene	14.51	228	633748	55.51	nq	99
83) Bis(2-ethylhexyl)phthalate	14.52	149	426271	48.24	nq	# 100
84) Di-n-octyl phthalate	15.28	149	697828	47.08	nq	96
85) Indeno(1,2,3-cd)pyrene	17.39	276	425999	39.21	nq	99
87) Benzo(b)fluoranthene	15.71	252	593057	58.59	nq	99
88) Benzo(k)fluoranthene	15.74	252	474463m	49.54	nq	
89) Benzo(a)pyrene	16.05	252	502341	53.35	nq	99
90) Dibenzo(a,h)anthracene	17.41	278	309468	39.58	nq	99
91) Benzo(g,h,i)perylene	17.77	276	357086	44.86	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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Misc      :
ALS Vial  : 18      Sample Multiplier: 1
```

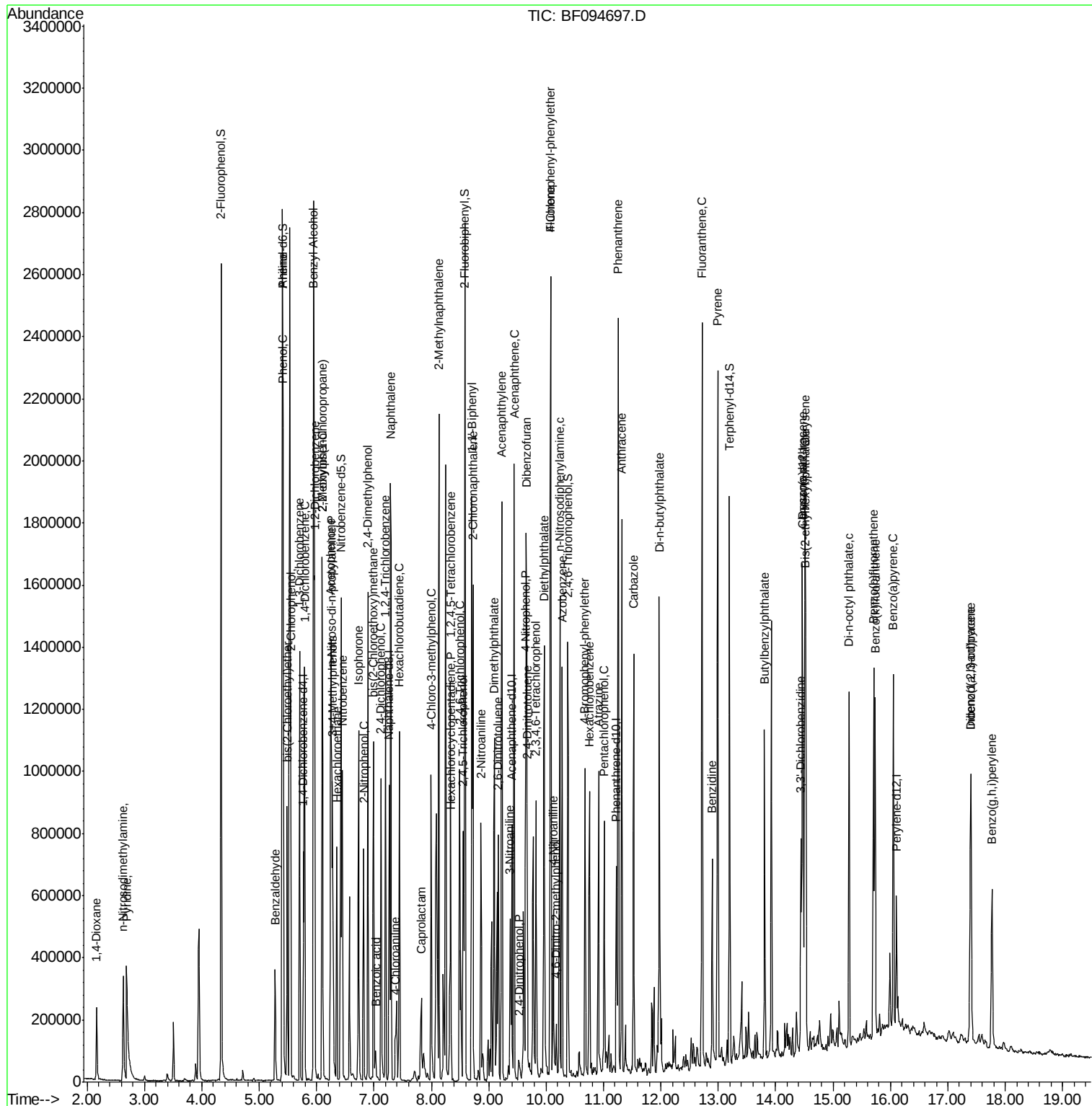
Instrument :
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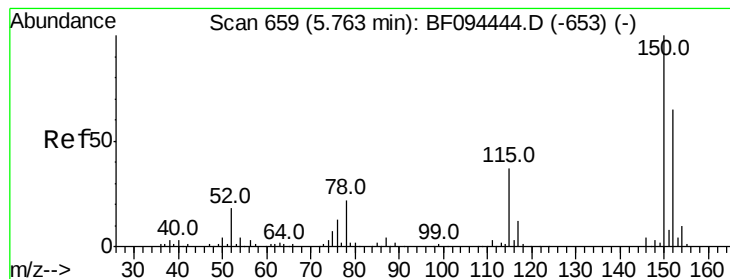
ClientSampleId :
MANHOLE-9-COMPMS

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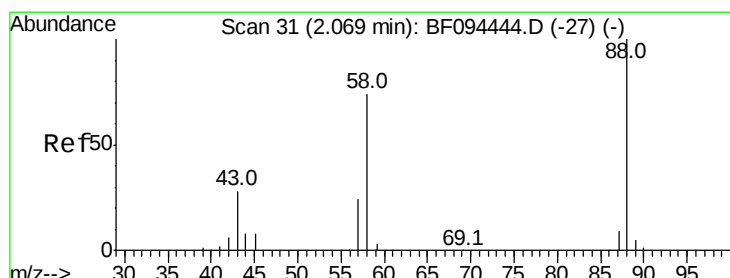
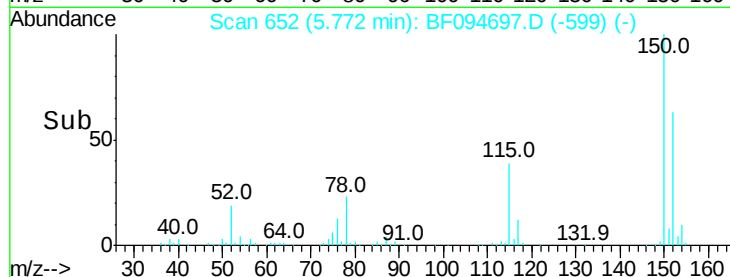
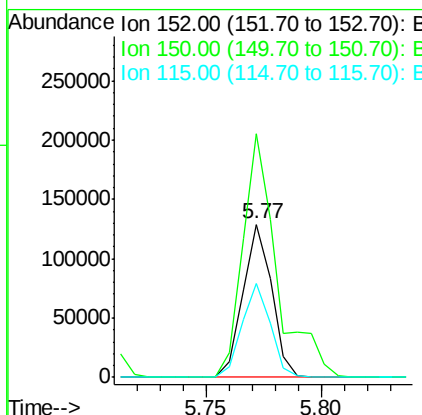
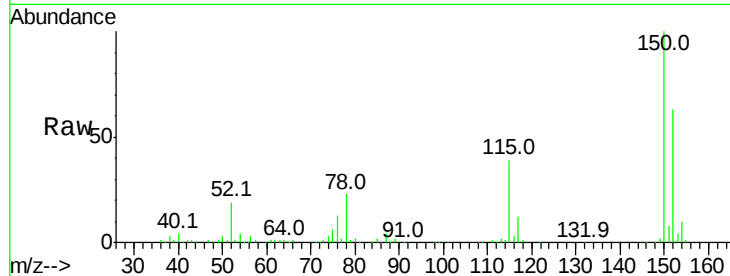
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.2	189.2
115	61.7	52.2	78.2

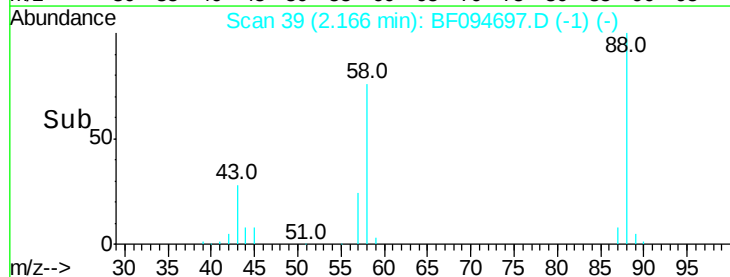
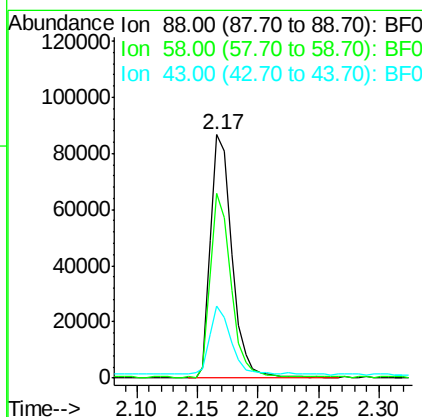
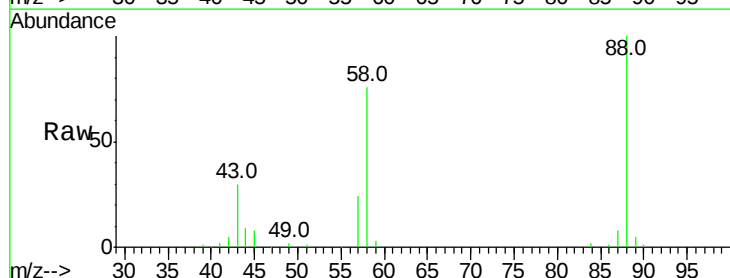
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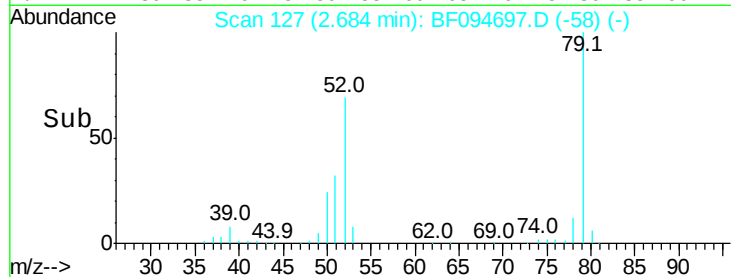
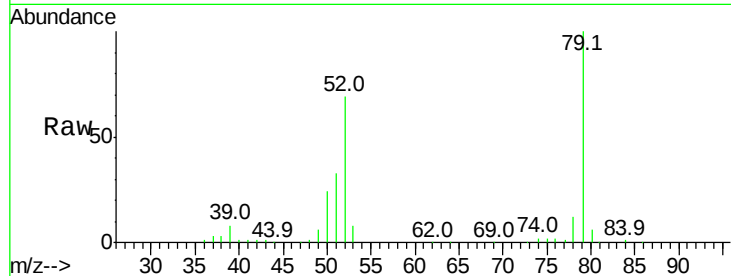
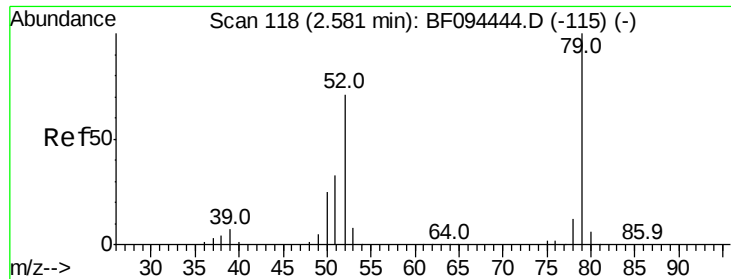
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#2
 1,4-Dioxane
 Concen: 27.00 ng
 RT: 2.17 min Scan# 39
 Delta R.T. 0.10 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.8	61.4	92.0
43	26.6	23.4	35.0





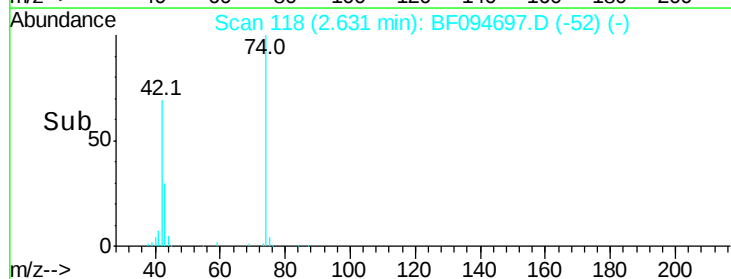
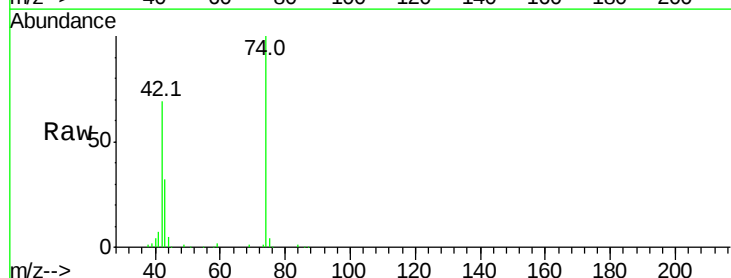
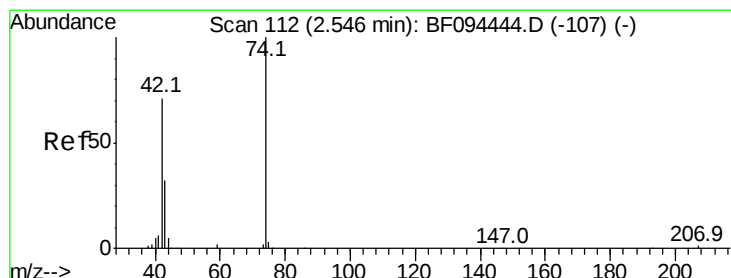
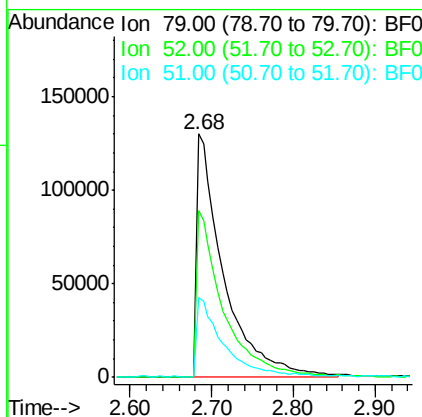
#3
Pvridine
Concen: 34.57 ng
RT: 2.68 min Scan# 127
Delta R.T. 0.10 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tot Ion	Ratio	Resp	Lower	Upper
79	100	299045		
52	68.6		54.8	82.2
51	32.7		27.0	40.4

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

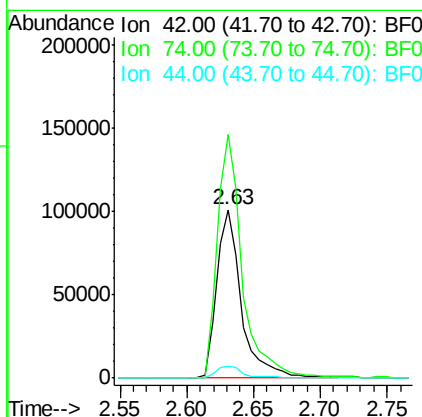
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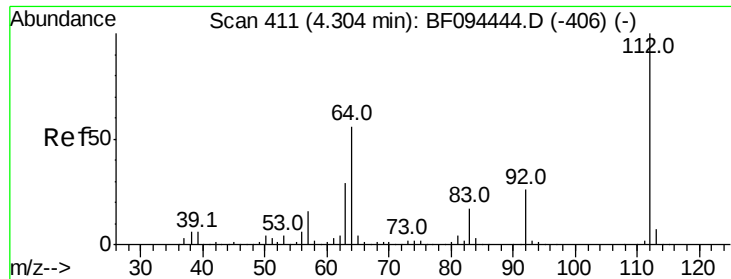
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#4
n-Nitrosodimethylamine
Concen: 36.89 ng
RT: 2.63 min Scan# 118
Delta R.T. 0.09 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	132042		
74	144.4		103.9	155.9
44	7.3		5.7	8.5





#5

2-Fluorophenol

Concen: 118.88 ng

RT: 4.34 min Scan# 408

Delta R.T. 0.03 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

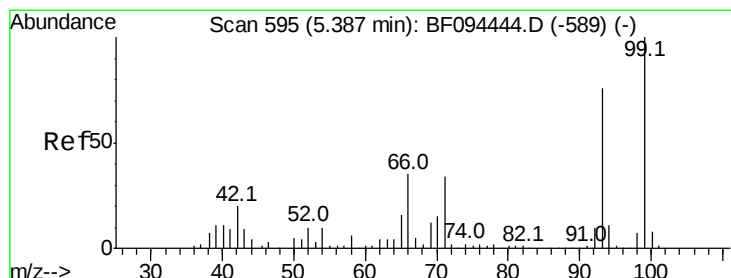
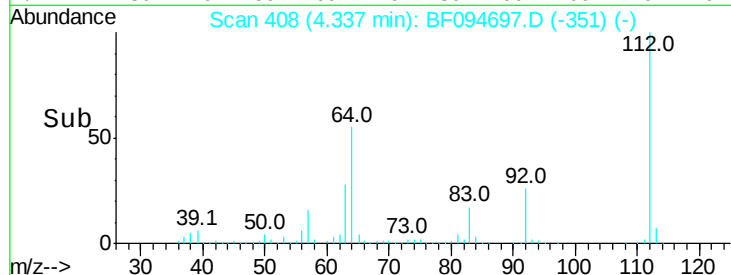
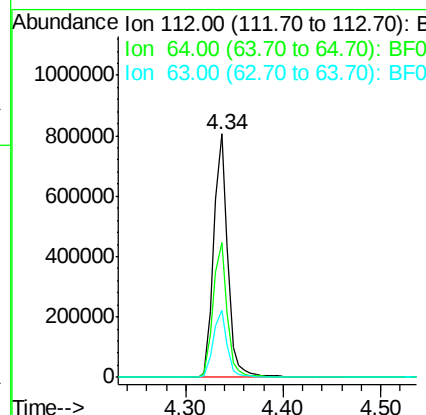
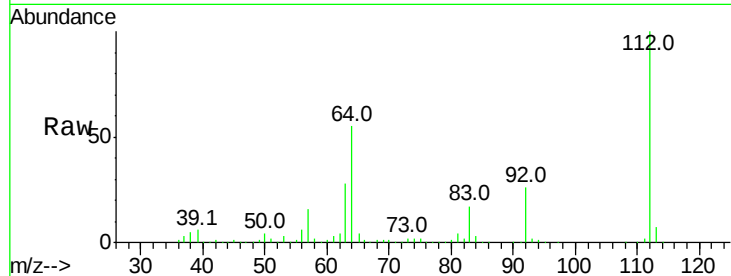
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:	112	Resp:	808922
Ion Ratio	Lower	Upper	
112	100		
64	55.4	46.0	69.0
63	27.7	23.4	35.0

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#6

Aniline

Concen: 23.13 ng

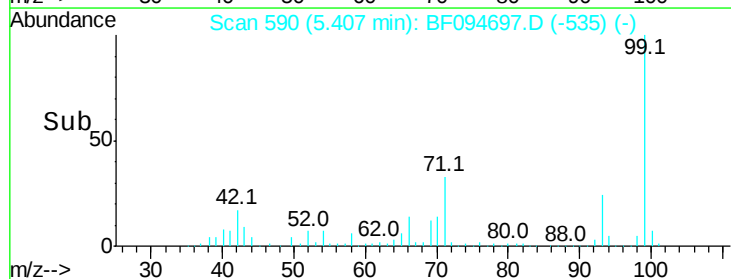
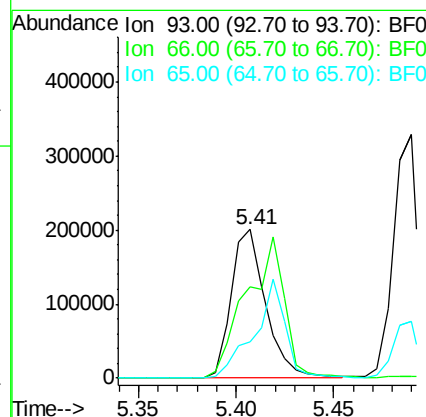
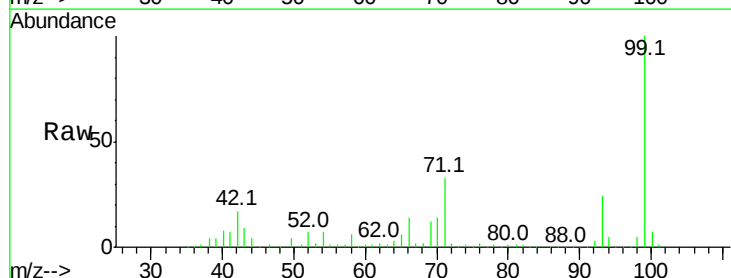
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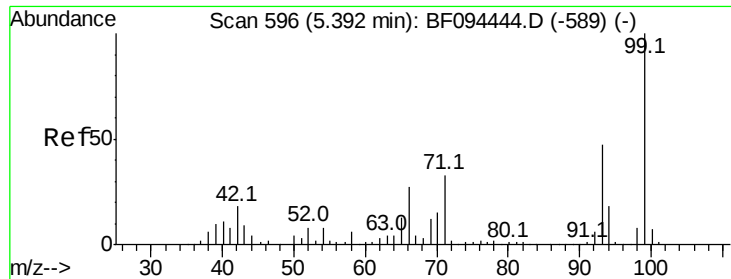
Delta R.T. 0.02 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion:	93	Resp:	246588
Ion Ratio	Lower	Upper	
93	100		
66	61.3	32.9	49.3#
65	24.9	16.0	24.0#





#7

Phenol-d6

Concen: 120.15 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

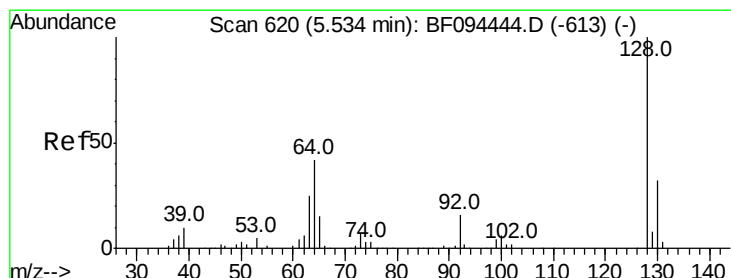
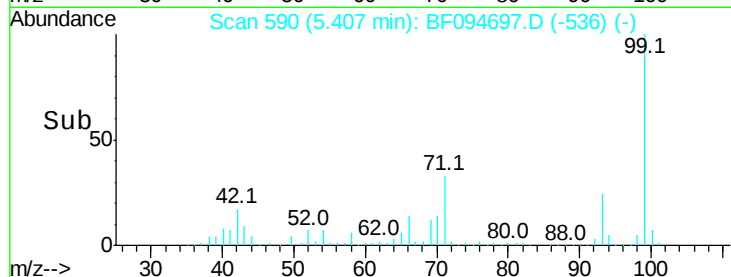
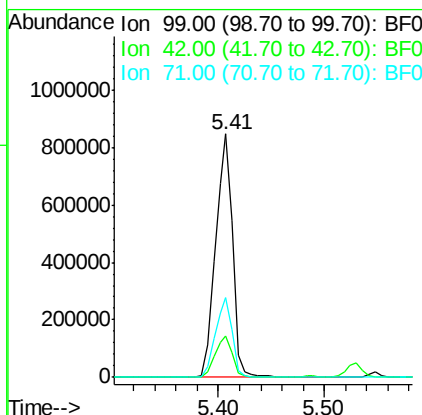
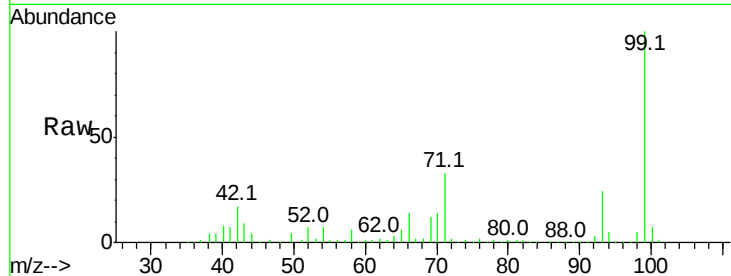
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:	99	Resp:	963851
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.5	20.3
71	33.0	24.5	36.7

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#8

2-Chlorophenol

Concen: 40.09 ng

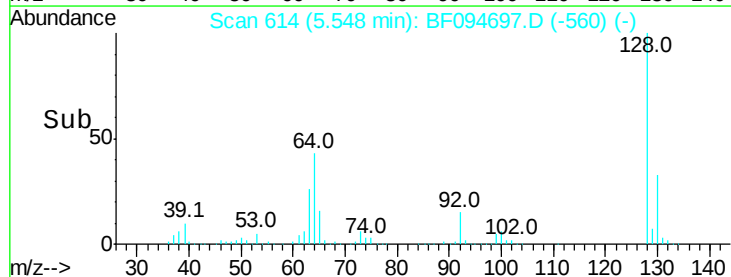
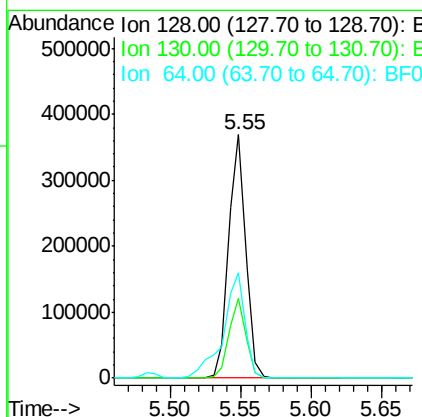
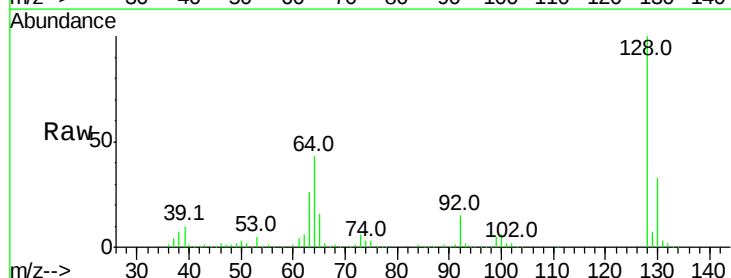
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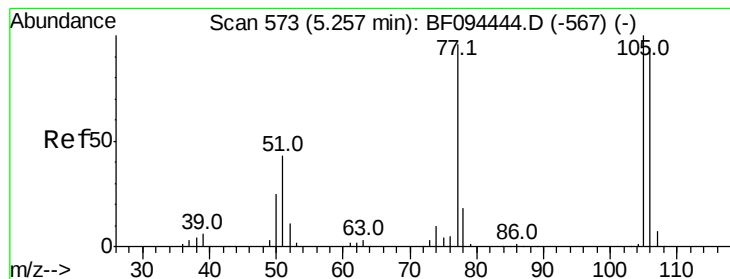
Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion:	128	Resp:	310459
Ion Ratio	Lower	Upper	
128	100		
130	32.8	12.9	52.9
64	43.5	28.4	68.4





#9

Benzaldehyde

Concen: 12.92 ng

RT: 5.28 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion: 77 Resp: 78844

Ion Ratio Lower Upper

77 100

105 102.2 83.8 123.8

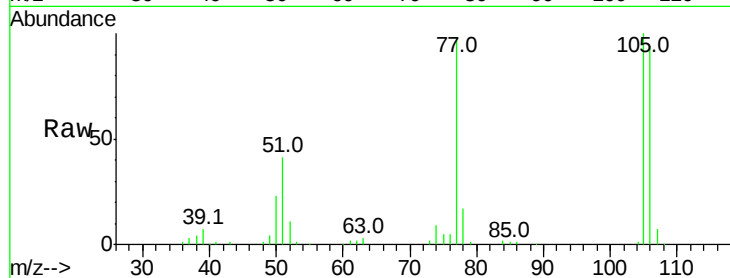
106 96.0 79.1 119.1

Manual Integrations

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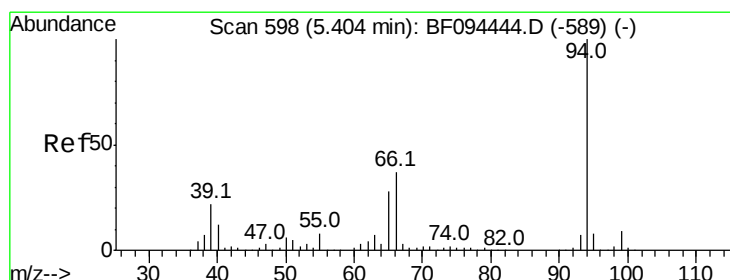
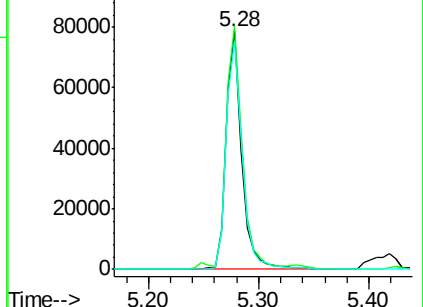
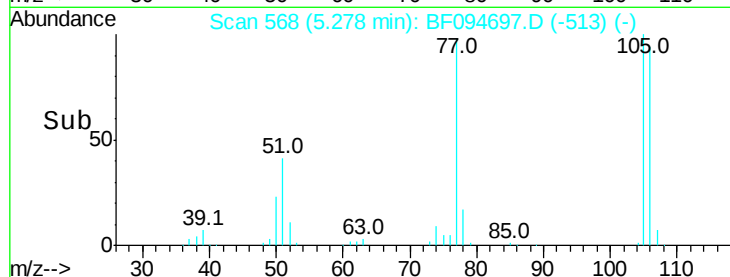
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 39.89 ng

RT: 5.42 min Scan# 592

Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

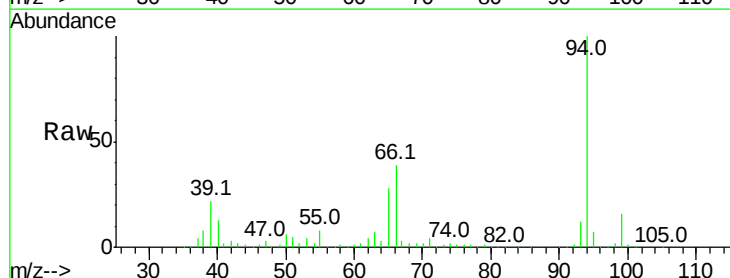
Tgt Ion: 94 Resp: 393111

Ion Ratio Lower Upper

94 100

65 27.6 9.9 49.9

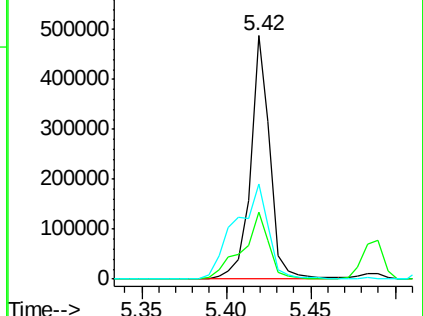
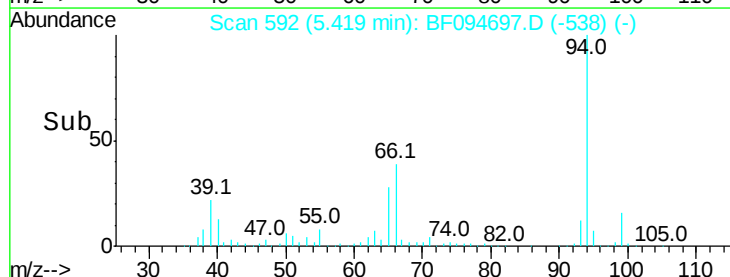
66 39.0 23.1 63.1

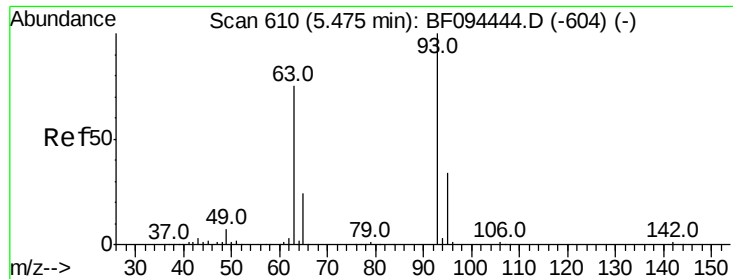


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 39.59 ng

RT: 5.49 min Scan# 604

Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

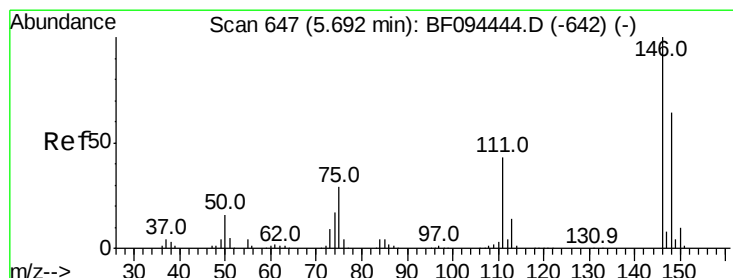
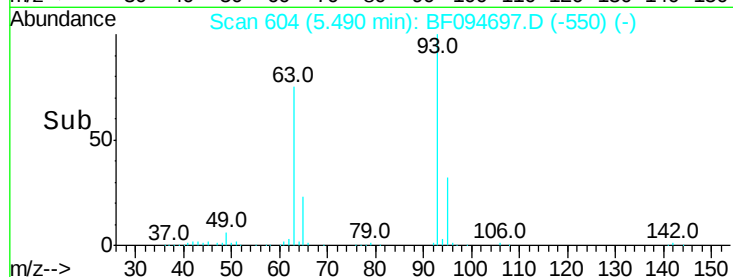
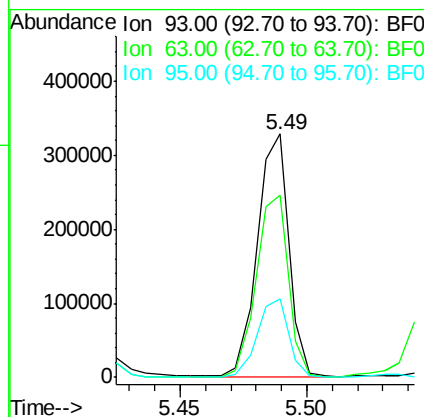
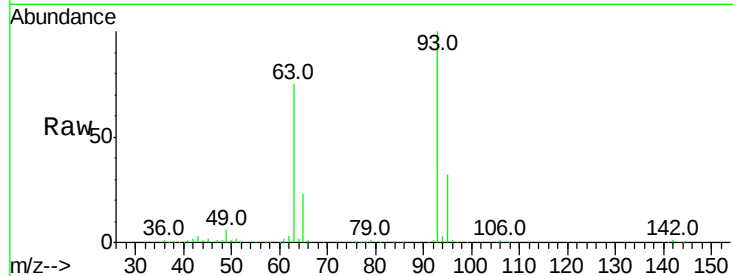
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:	93	Resp:	285011
Ion Ratio	Lower	Upper	
93	100		
63	74.7	59.2	99.2
95	32.4	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 38.89 ng

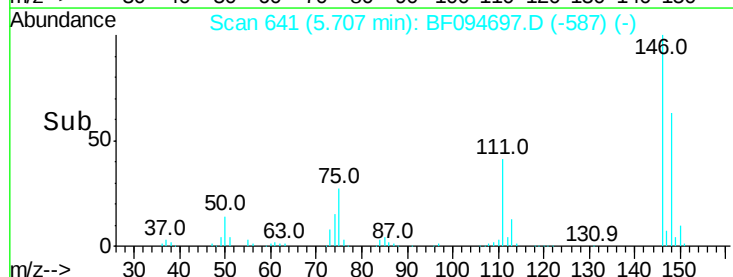
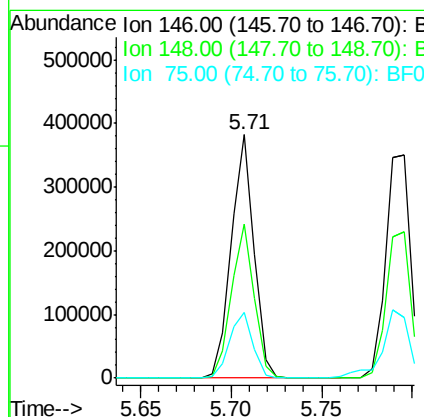
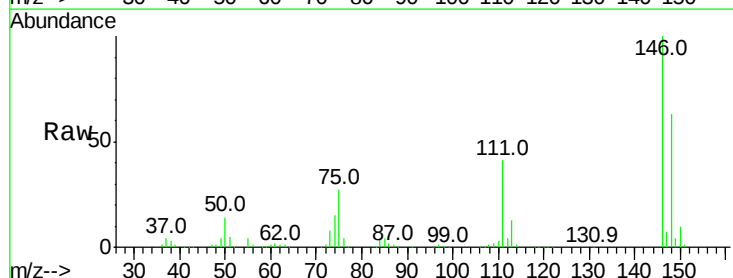
RT: 5.71 min Scan# 641

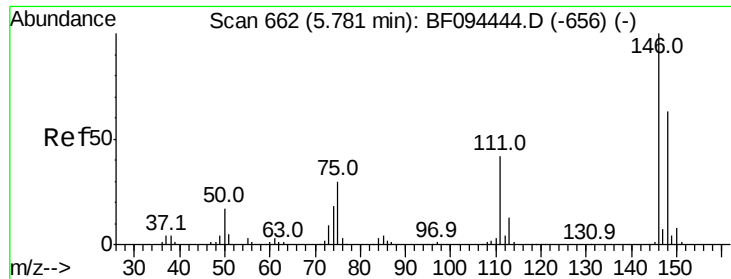
Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion:	146	Resp:	333661
Ion Ratio	Lower	Upper	
146	100		
148	63.2	51.8	77.6
75	27.0	23.1	34.7





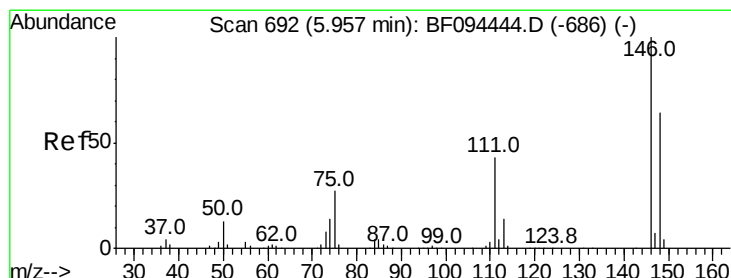
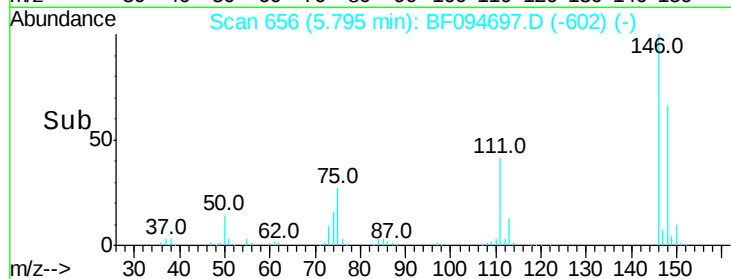
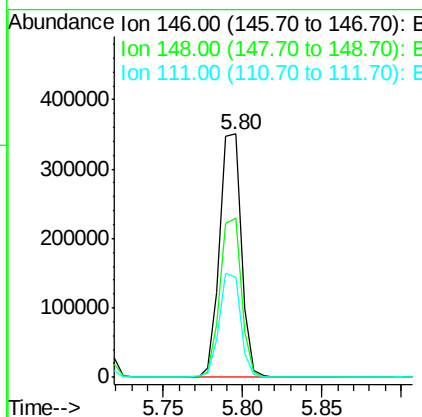
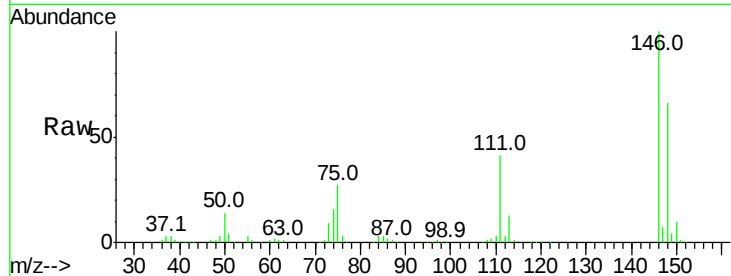
#13
 1,4-Dichlorobenzene
 Concen: 38.80 ng
 RT: 5.80 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.2	78.2
111	41.3	30.3	45.5

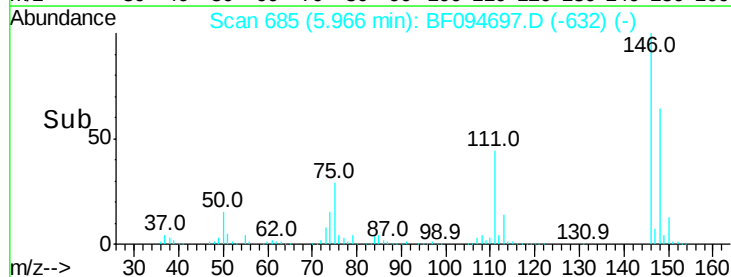
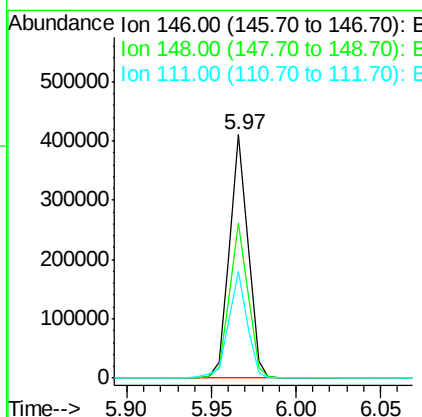
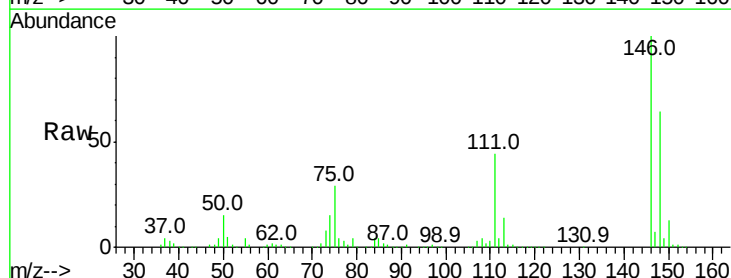
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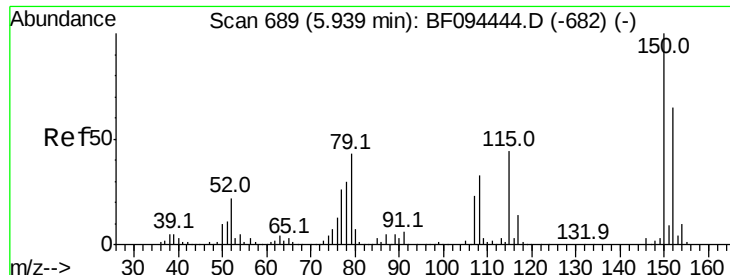
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#14
 1,2-Dichlorobenzene
 Concen: 39.26 ng
 RT: 5.97 min Scan# 685
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.4	75.6
111	44.0	38.2	57.4





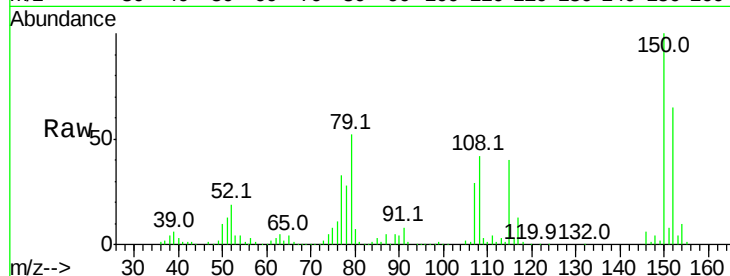
#15
Benzyl Alcohol
Concen: 38.92 ng
RT: 5.95 min Scan# 683
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

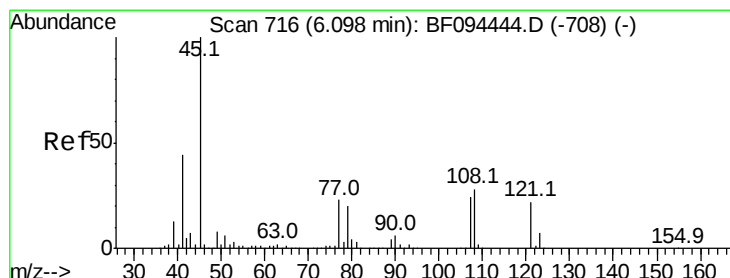
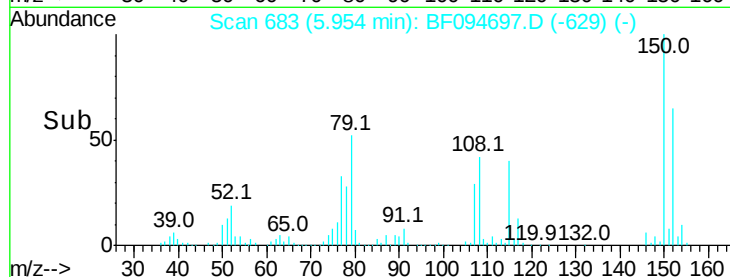
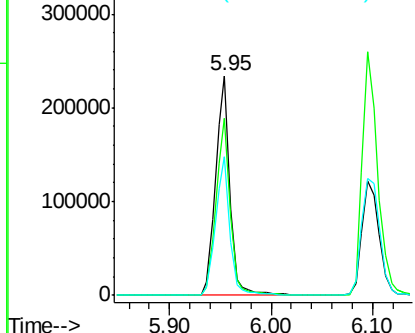
Tot Ion	Ratio	Lower	Upper
79	100		
108	80.2	63.4	95.0
77	62.9	49.2	73.8

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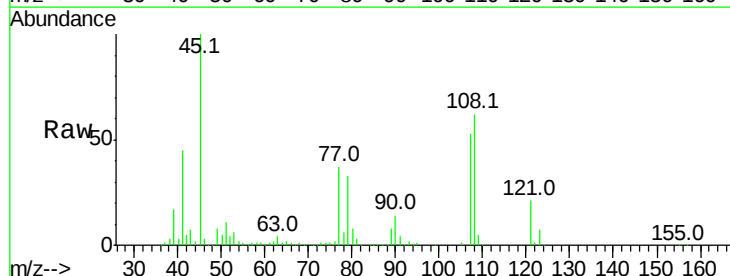


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

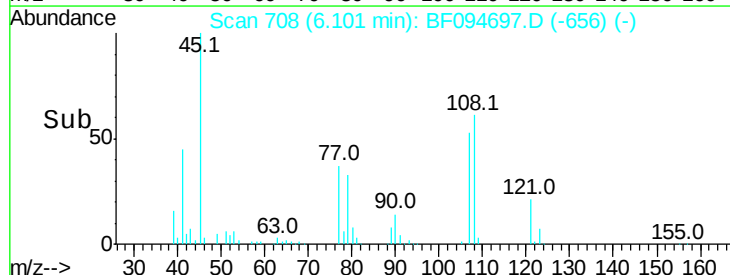
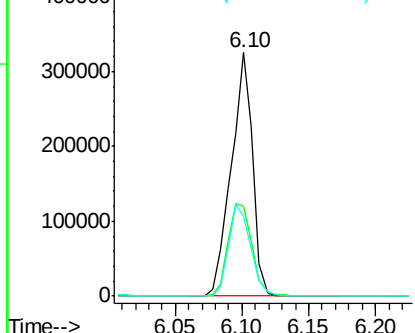


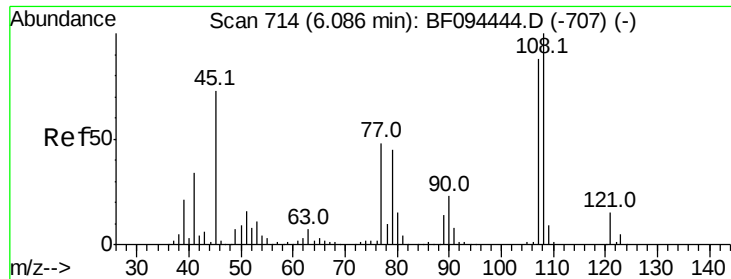
#16
2,2'-oxybis(1-chloropropane)
Concen: 38.78 ng
RT: 6.10 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
45	100		
77	36.8	0.0	33.2#
79	32.8	0.0	30.0#



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





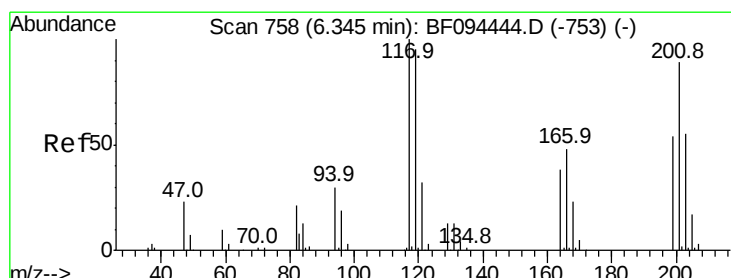
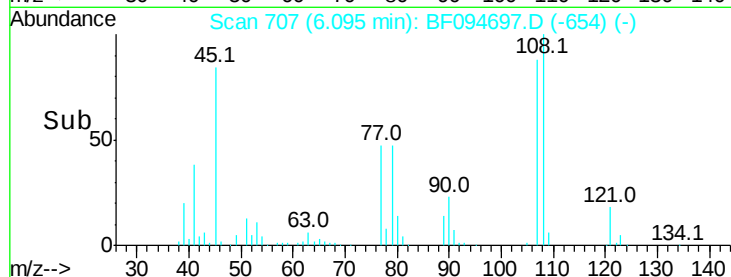
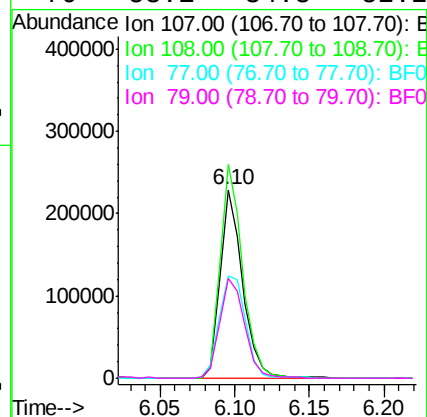
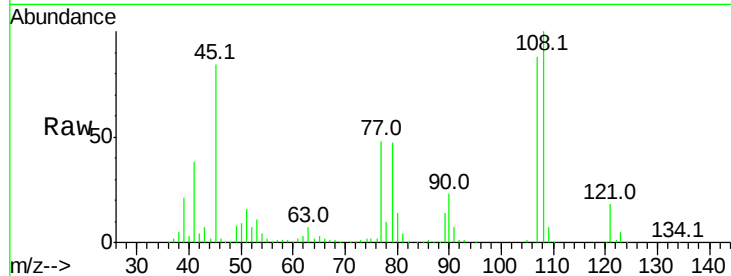
#17
2-Methylphenol
Concen: 39.57 ng
RT: 6.10 min Scan# 707
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.5	93.4	140.0	
77	54.4	35.8	53.6#	
79	53.1	34.8	52.2#	

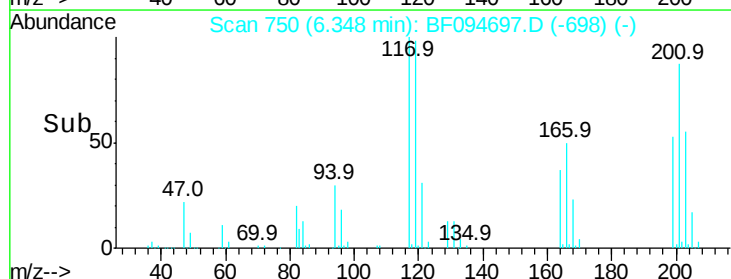
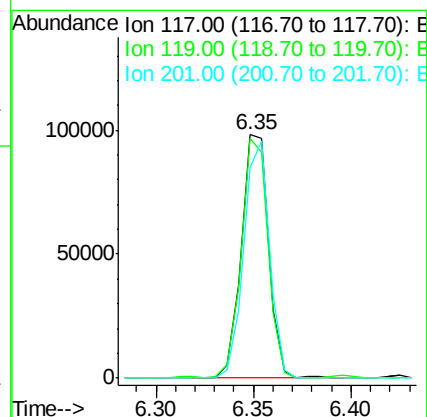
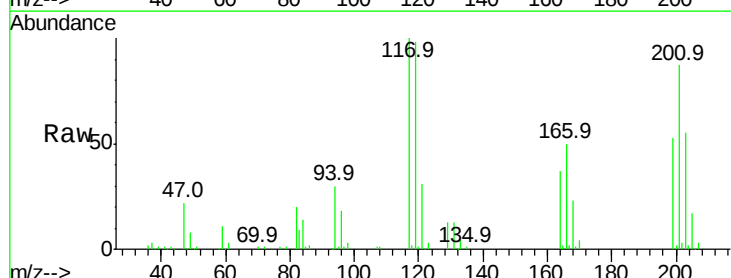
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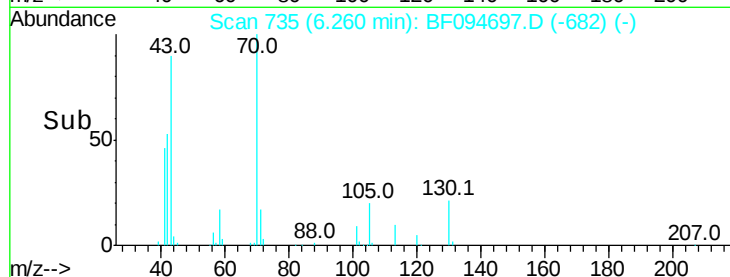
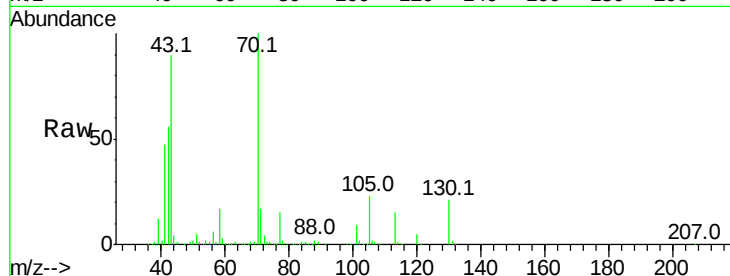
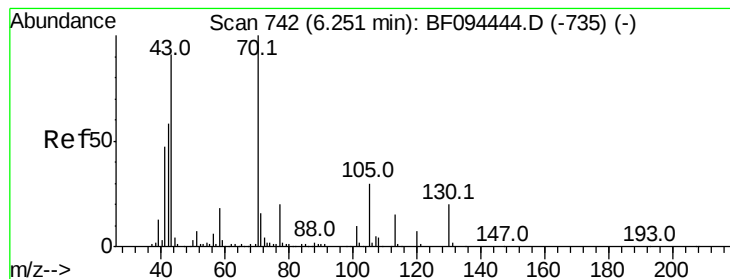
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#18
Hexachloroethane
Concen: 32.14 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.4	77.4	116.0	
201	86.6	94.6	141.8#	





#19

n-Nitroso-di-n-propylamine

Concen: 40.61 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF094697.D

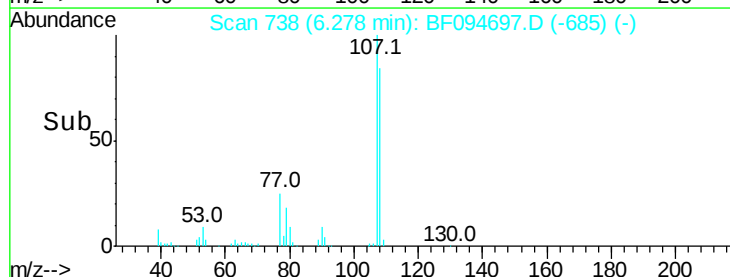
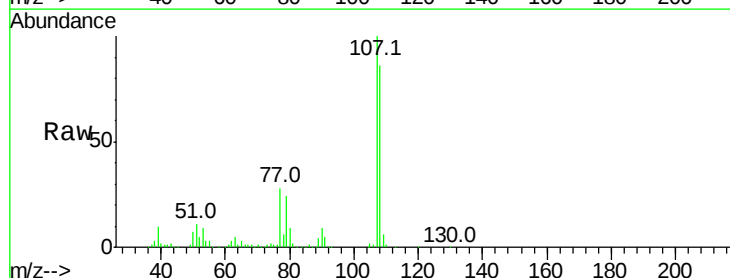
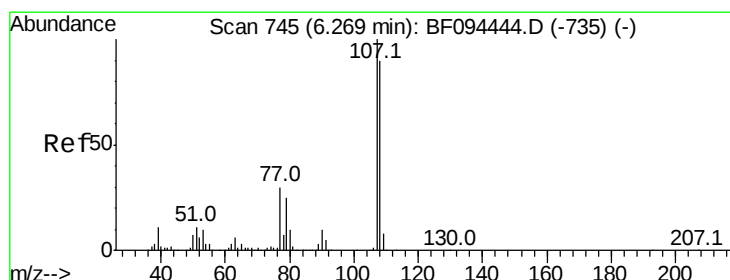
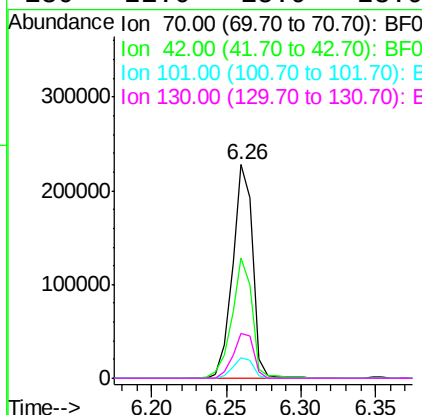
Acq: 28 Apr 2017 21:26

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.4	47.2	70.8	
101	9.4	7.2	10.8	
130	21.0	15.9	23.9	

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Manual Integrations
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#20

3+4-Methylphenols

Concen: 41.42 ng

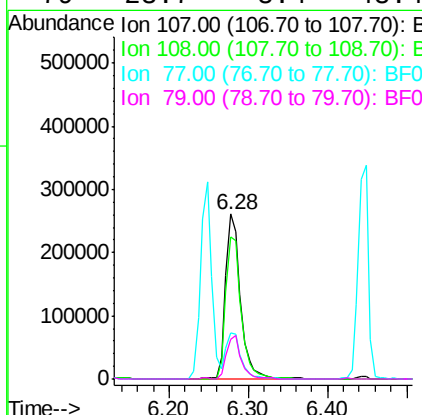
RT: 6.28 min Scan# 738

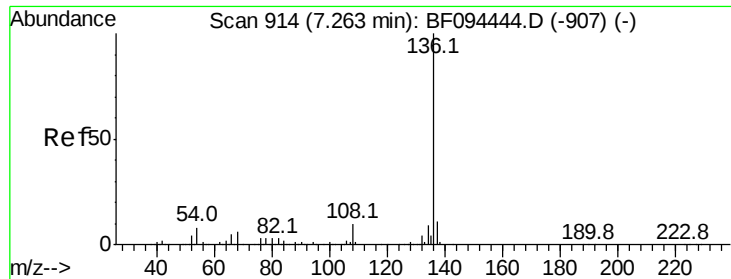
Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.2	71.0	111.0	
77	28.3	90.5	130.5#	
79	23.7	8.4	48.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

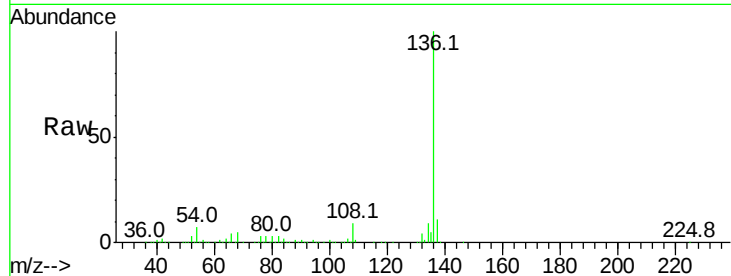
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	443574		
137	10.5		8.5	12.7
54	6.7		4.9	7.3
68	5.3		4.1	6.1

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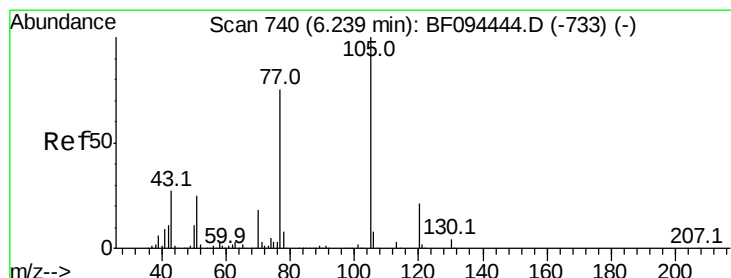
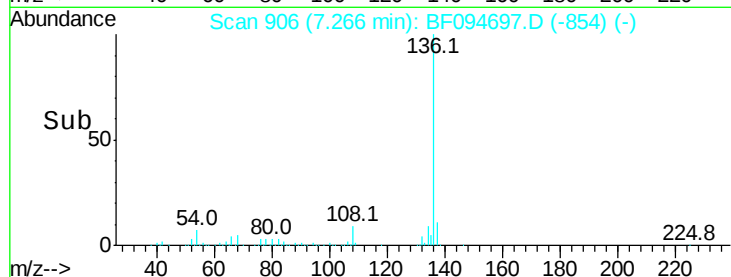
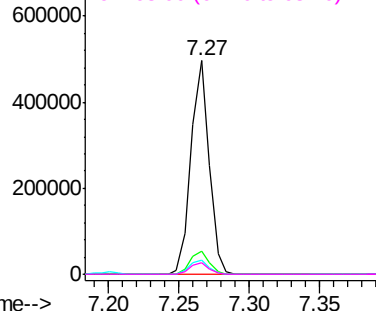


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 40.56 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

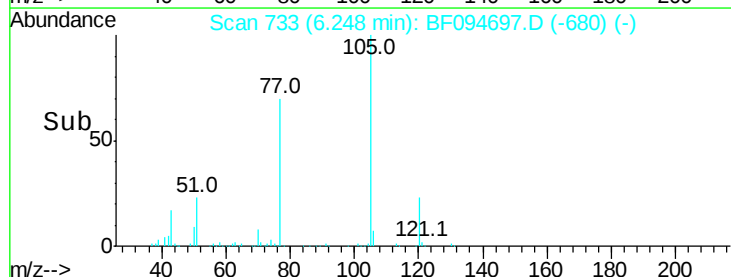
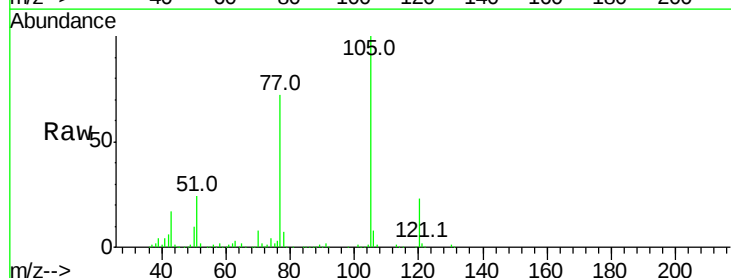
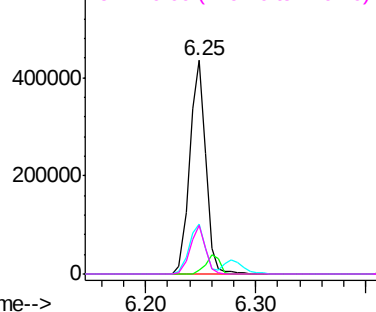
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	437497		
71	1.6		2.8	4.2#
51	23.6		30.7	46.1#
120	22.7		17.4	26.0

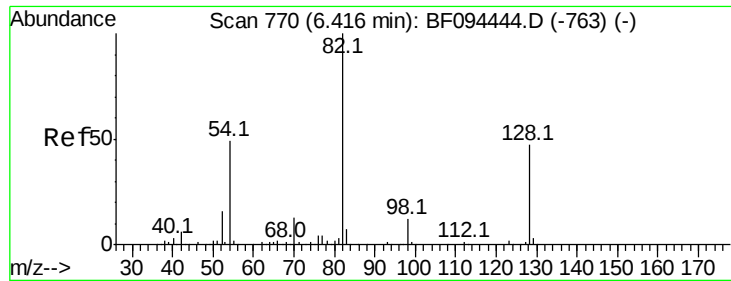
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





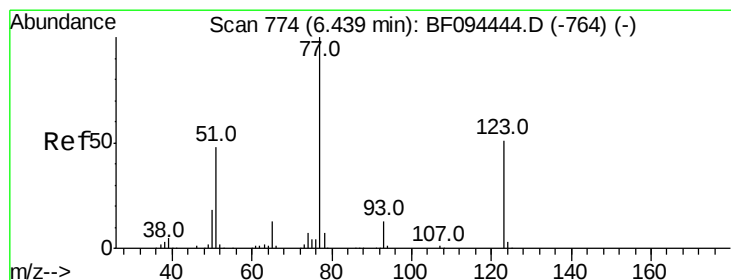
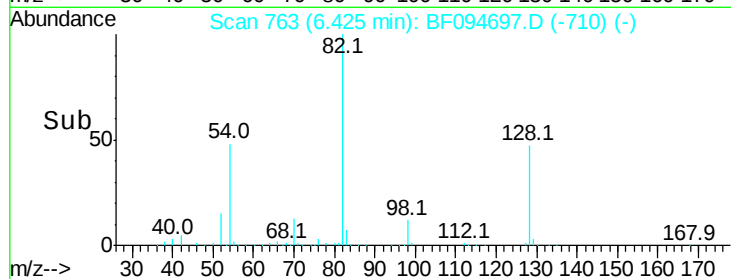
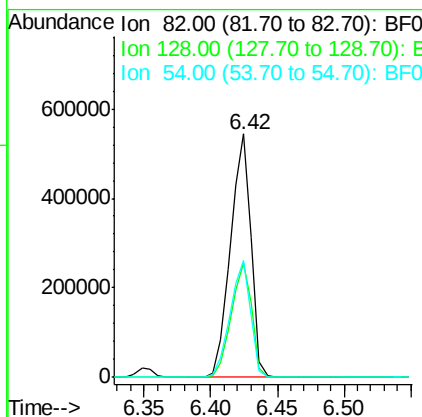
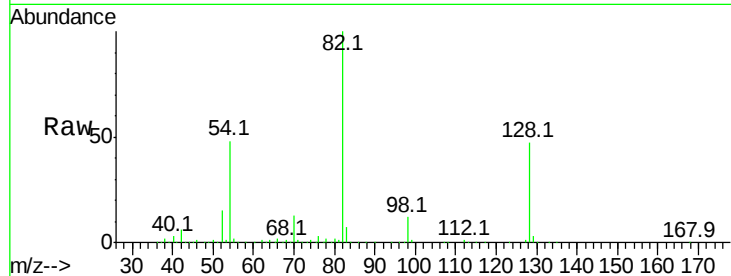
#23
 Nitrobenzene-d5
 Concen: 81.58 ng
 RT: 6.42 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	34.0	51.0	
54	48.2	42.2	63.2	

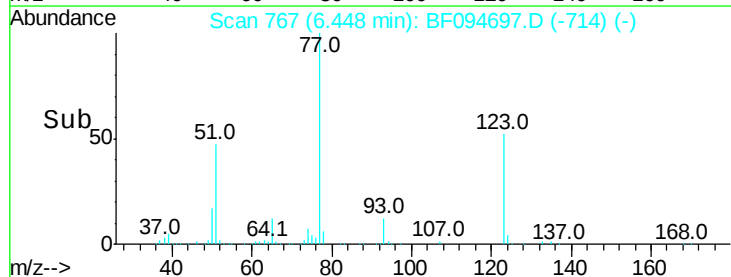
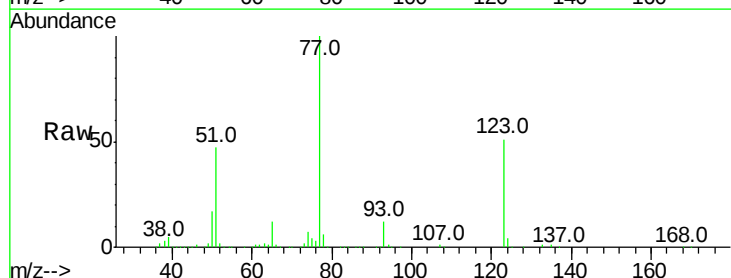
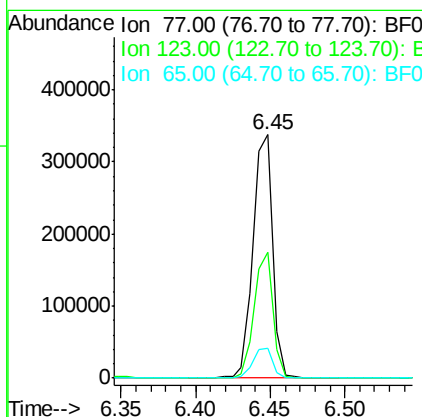
Manual Integrations
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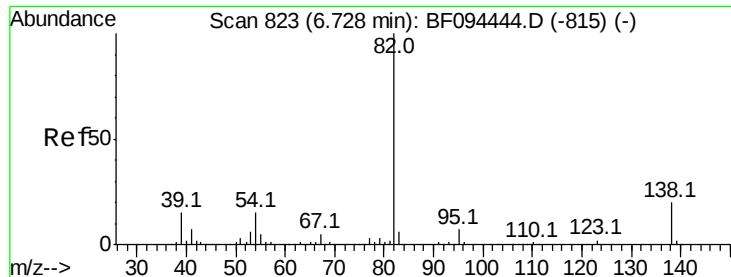
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#24
 Nitrobenzene
 Concen: 40.17 ng
 RT: 6.45 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	51.5	35.8	53.8	
65	12.4	10.6	15.8	





#25

Isophorone

Concen: 40.43 ng

RT: 6.73 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

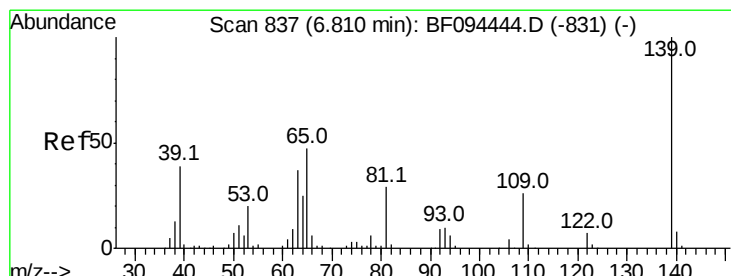
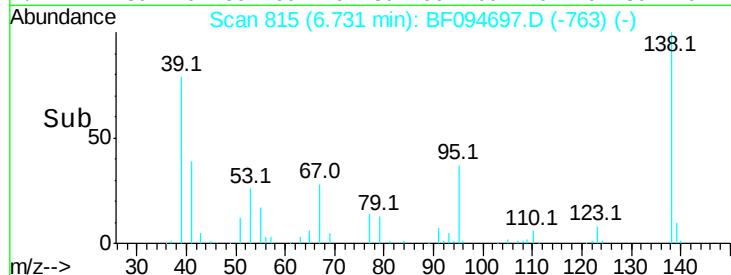
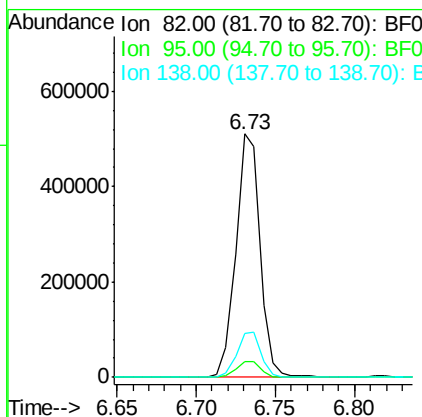
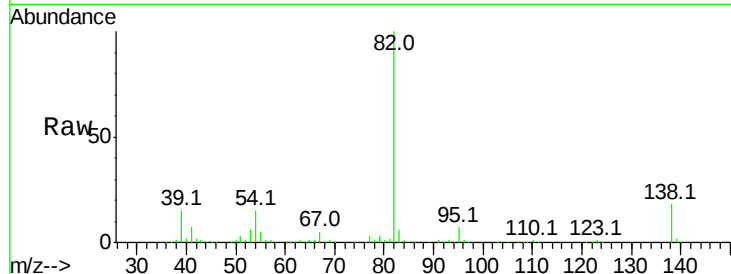
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:	82	Resp:	538400
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.3	7.9
138	18.2	13.1	19.7

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#26

2-Nitrophenol

Concen: 37.48 ng

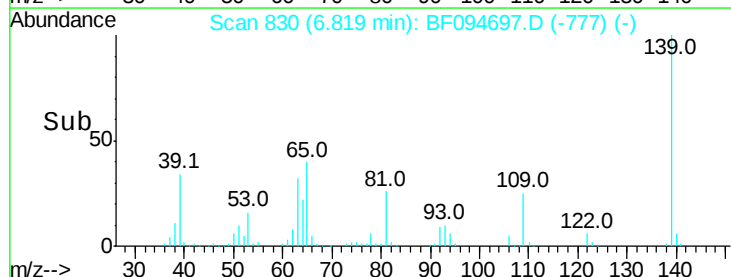
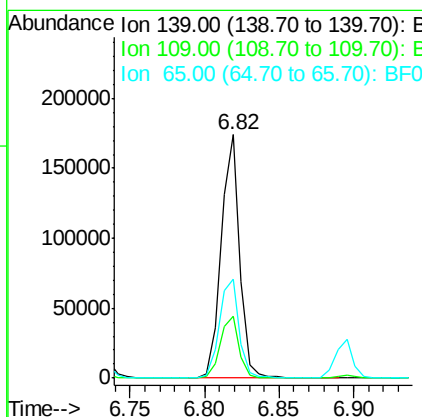
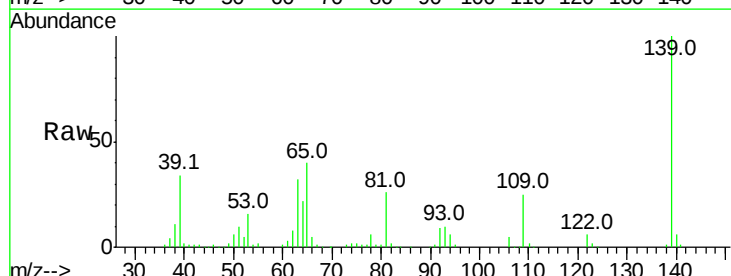
RT: 6.82 min Scan# 830

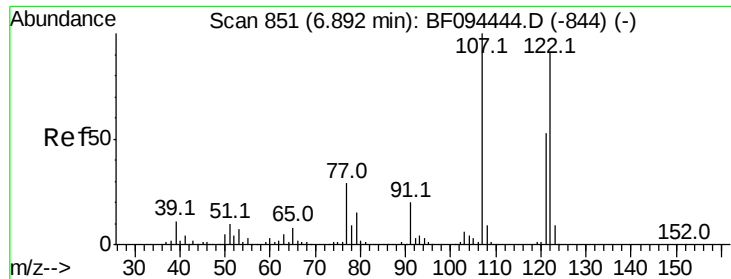
Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion:	139	Resp:	152312
Ion Ratio	Lower	Upper	
139	100		
109	25.2	21.0	31.6
65	40.5	33.0	49.6





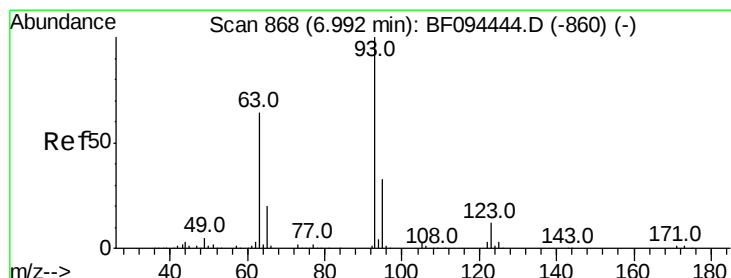
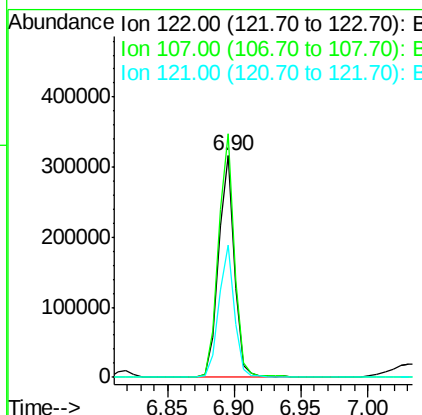
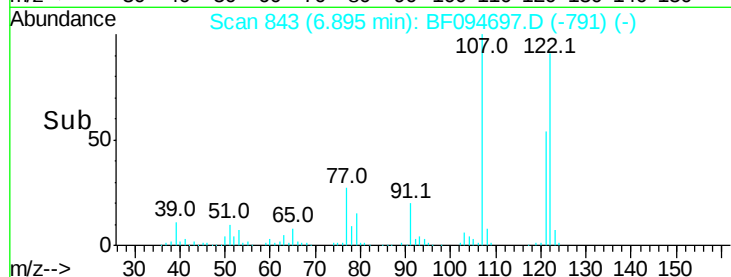
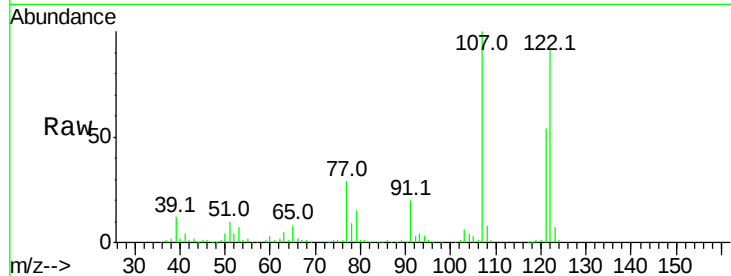
#27
 2,4-Dimethylphenol
 Concen: 40.30 ng
 RT: 6.90 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	266076		
107	109.9	89.2	133.8	
121	59.6	45.2	67.8	

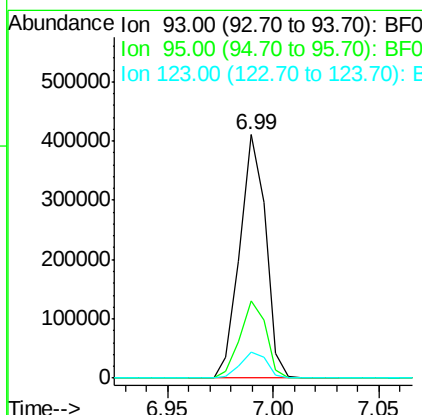
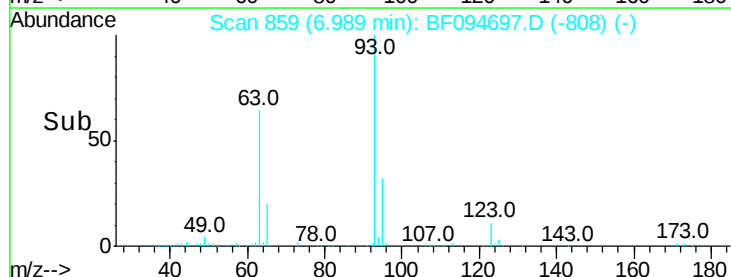
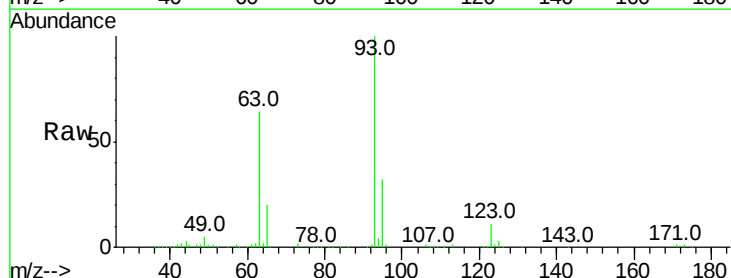
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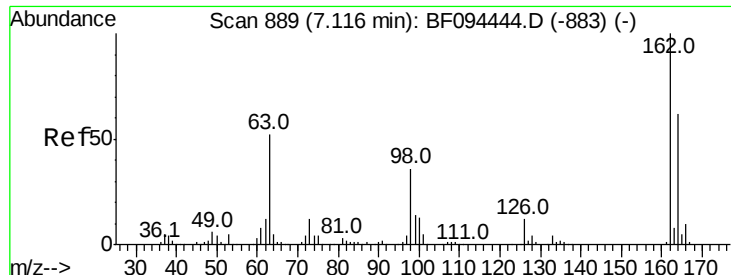
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#28
 bis(2-Chloroethoxy)methane
 Concen: 40.65 ng
 RT: 6.99 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	350167		
95	31.9	26.5	39.7	
123	10.8	9.0	13.4	





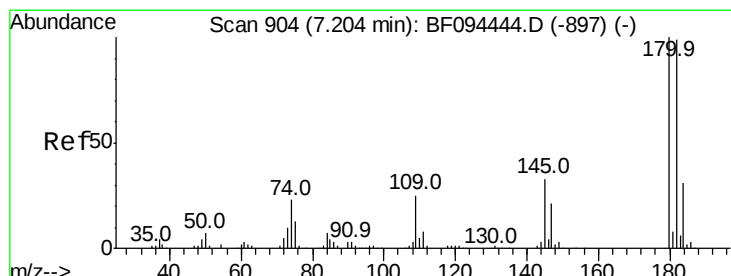
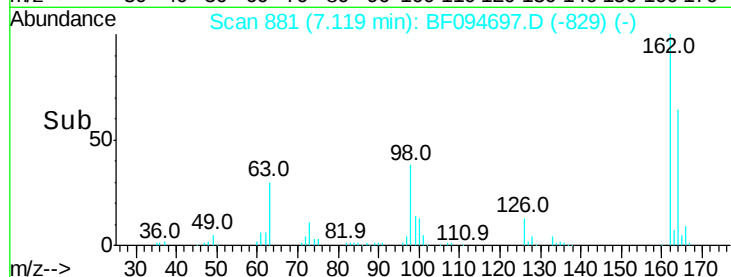
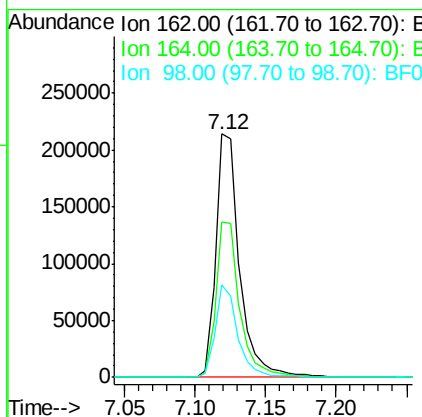
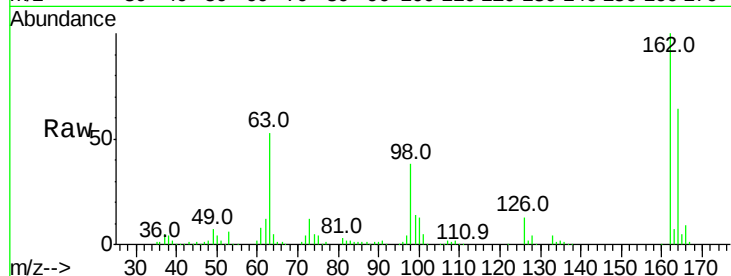
#29
 2,4-Dichlorophenol
 Concen: 40.73 ng
 RT: 7.12 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.8	44.6	84.6
98	37.8	14.8	54.8

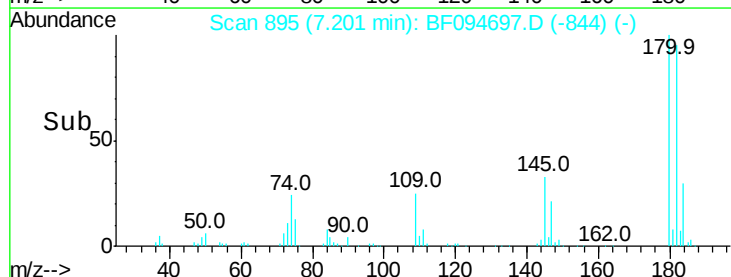
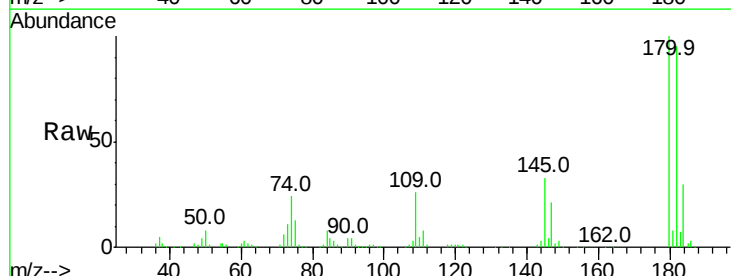
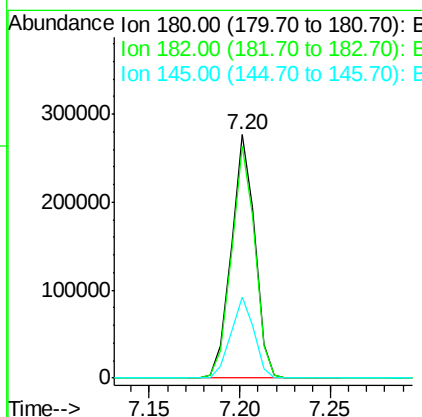
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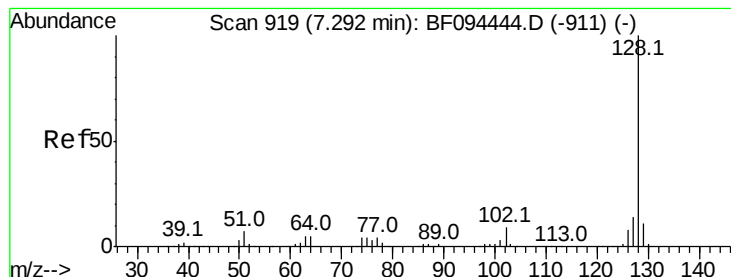
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#30
 1,2,4-Trichlorobenzene
 Concen: 39.38 ng
 RT: 7.20 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.1	75.8	113.6
145	33.5	25.3	37.9





#31

Naphthalene

Concen: 43.19 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

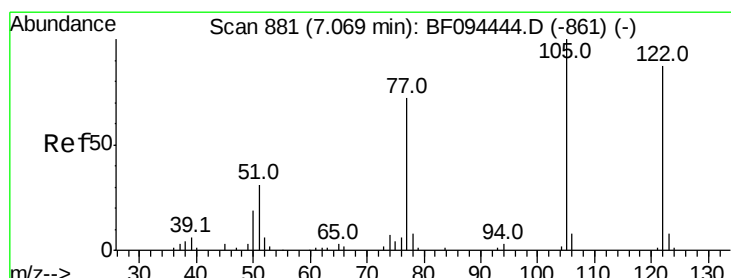
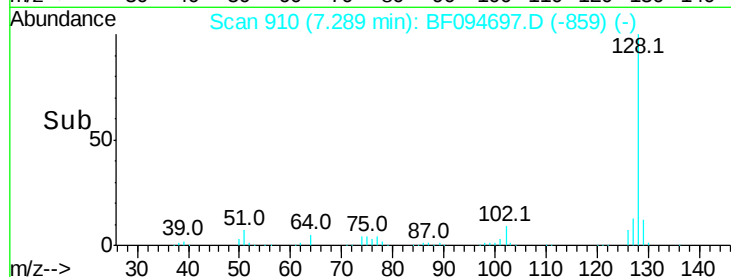
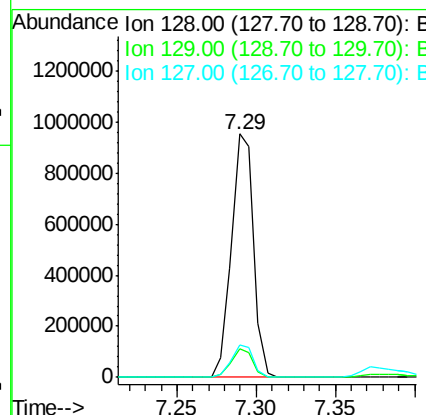
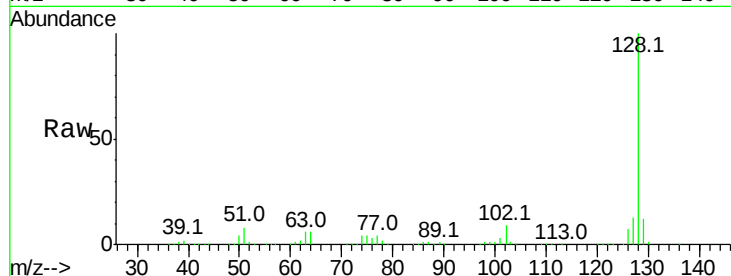
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:	128	Resp:	921029
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.5	10.8	16.2

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#32

Benzoic acid

Concen: 9.45 ng

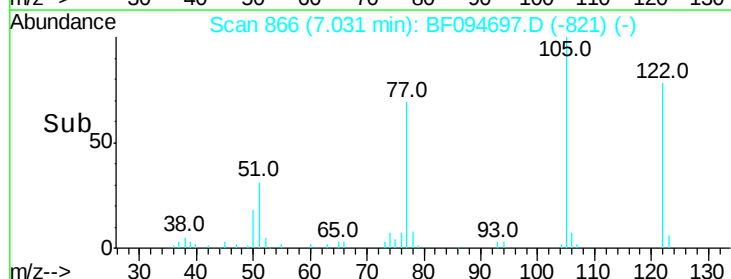
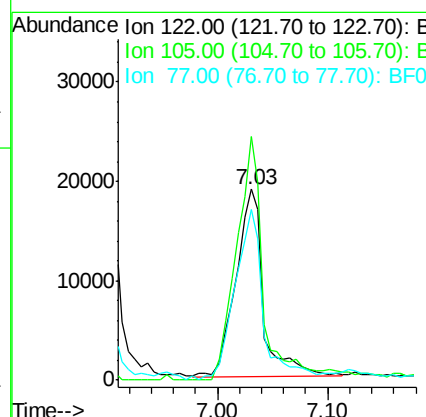
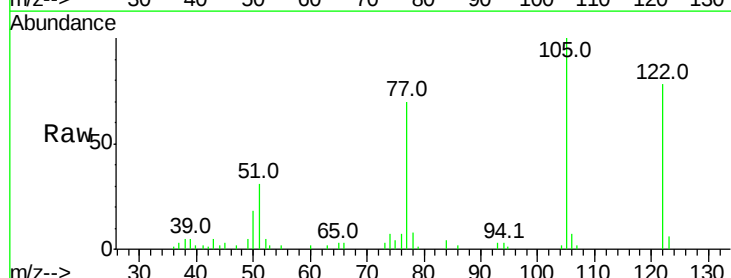
RT: 7.03 min Scan# 866

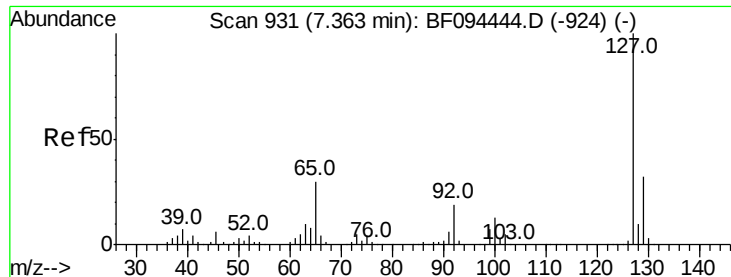
Delta R.T. -0.04 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion:	122	Resp:	32973
Ion	Ratio	Lower	Upper
122	100		
105	127.6	103.3	143.3
77	89.5	73.7	113.7





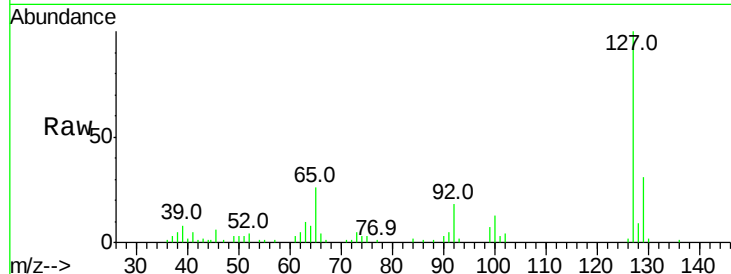
#33
4-Chloroaniline
Concen: 9.47 ng
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

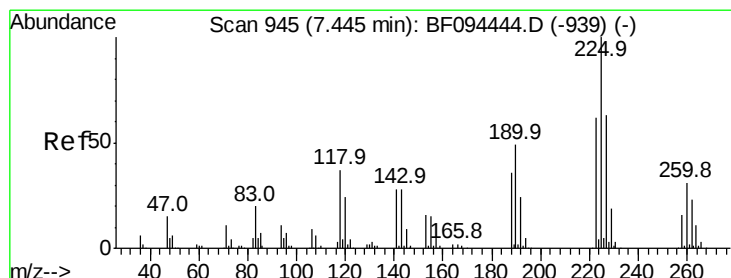
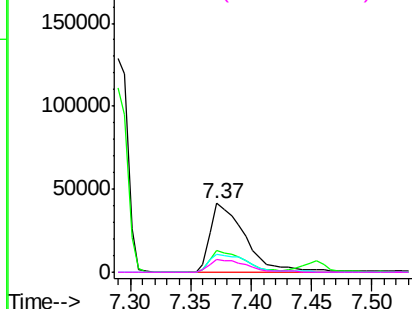
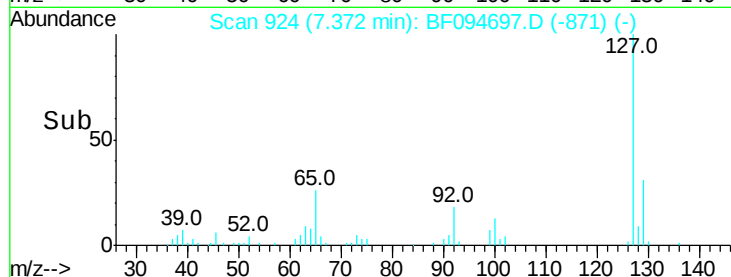
Tot Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.2	39.2
65	26.2	27.8	41.8
92	18.3	16.8	25.2

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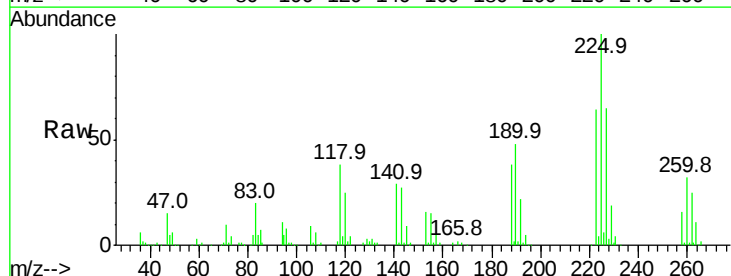


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

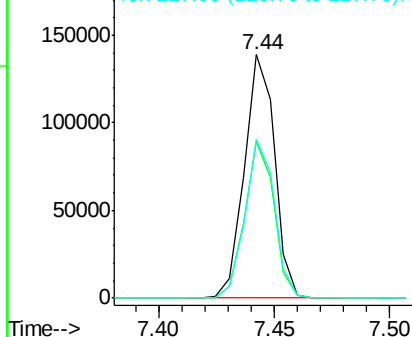
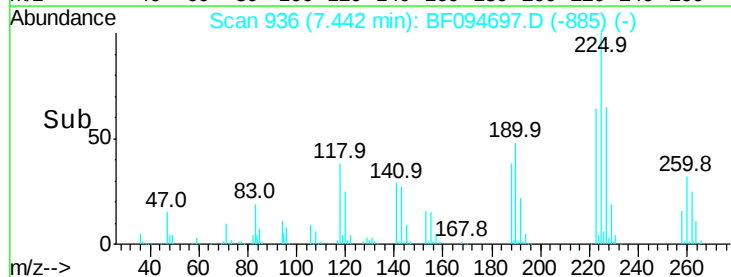


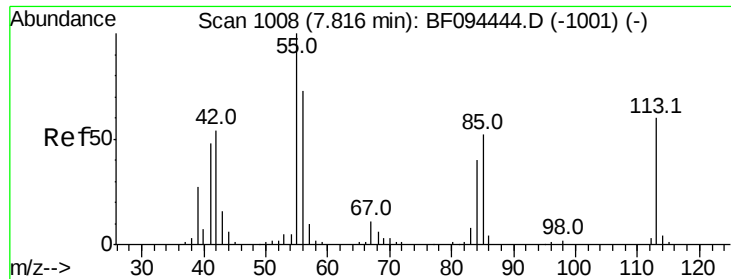
#34
Hexachlorobutadiene
Concen: 40.20 ng
RT: 7.44 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	48.8	73.2
227	65.3	51.1	76.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 38.24 ng/ml

RT: 7.82 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:113 Resp: 73770

Ion Ratio Lower Upper

113 100

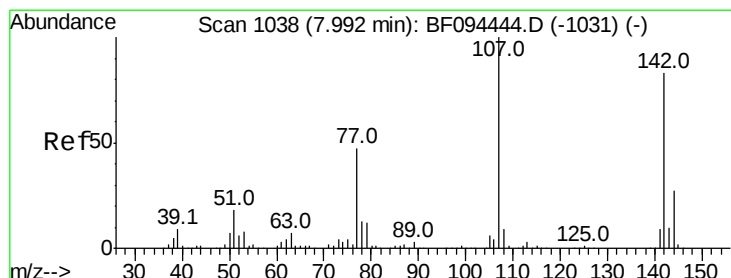
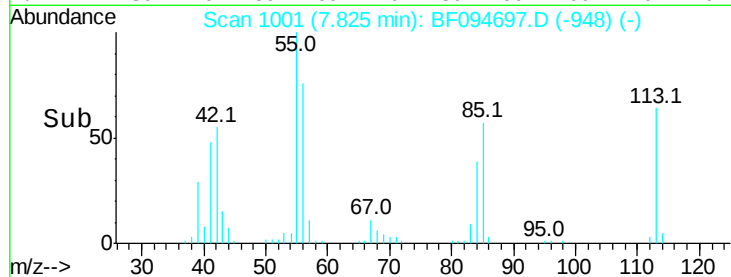
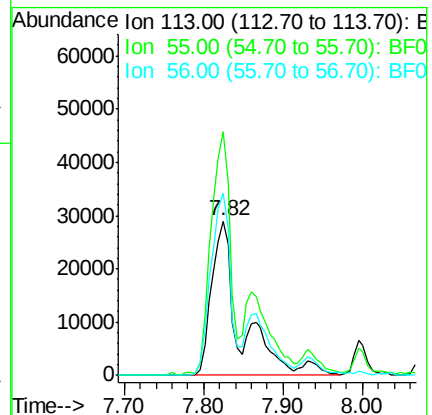
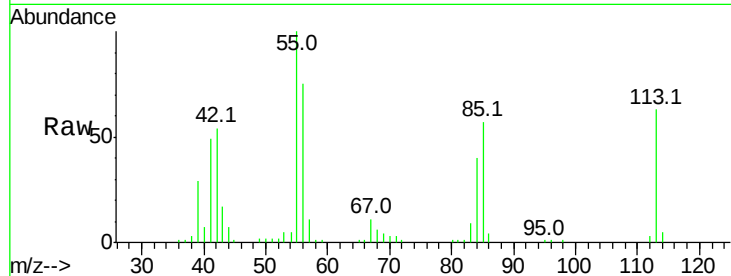
55 157.8 150.2 190.2

56 118.3 107.8 147.8

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#36

4-Chloro-3-methylphenol

Concen: 39.18 ng/ml

RT: 8.00 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

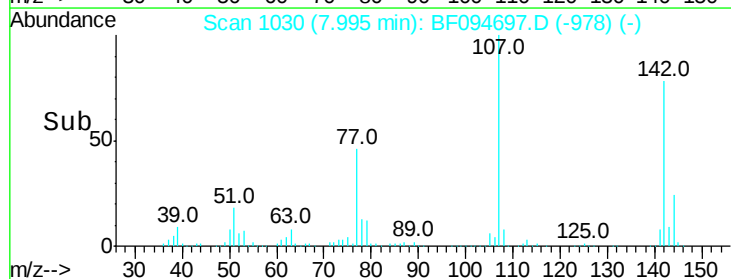
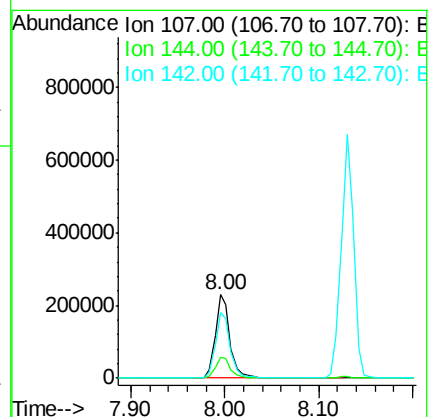
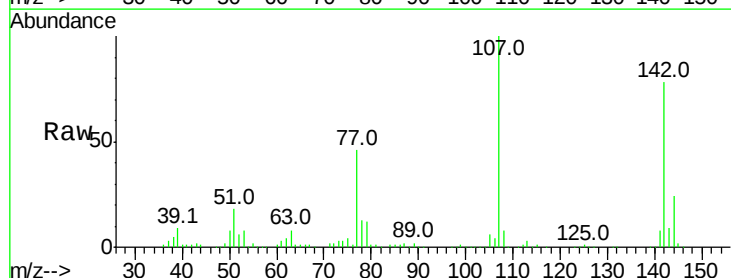
Tgt Ion:107 Resp: 252190

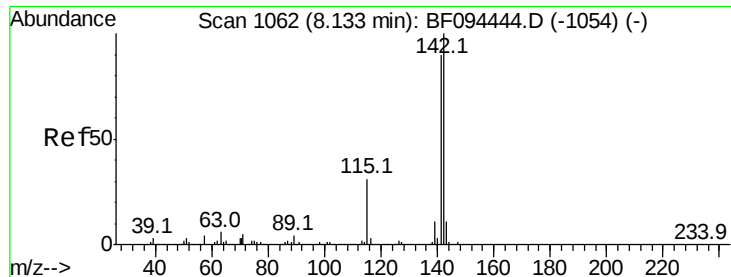
Ion Ratio Lower Upper

107 100

144 24.5 24.2 36.4

142 78.3 73.4 110.0





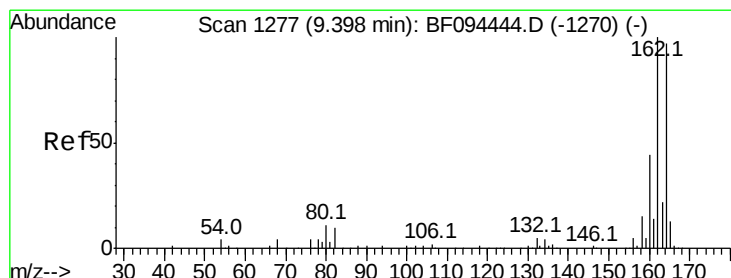
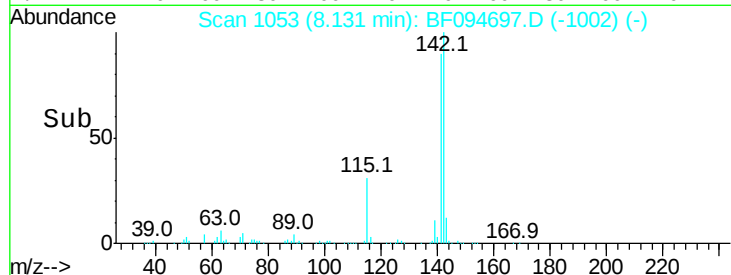
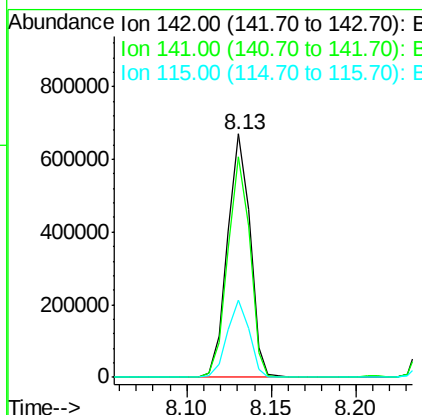
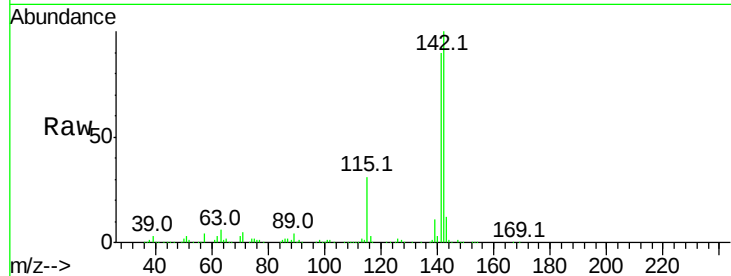
#37
2-Methylnaphthalene
Concen: 42.51 ng
RT: 8.13 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	620117		
141	90.5		71.3	106.9
115	31.5		27.1	40.7

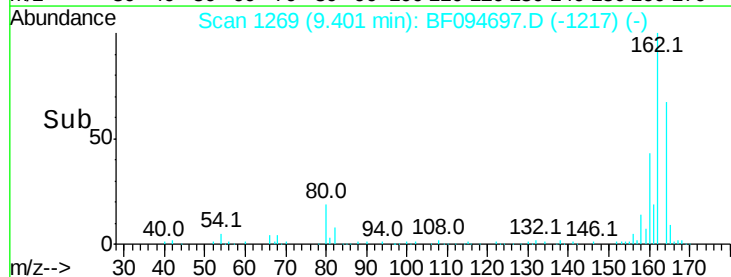
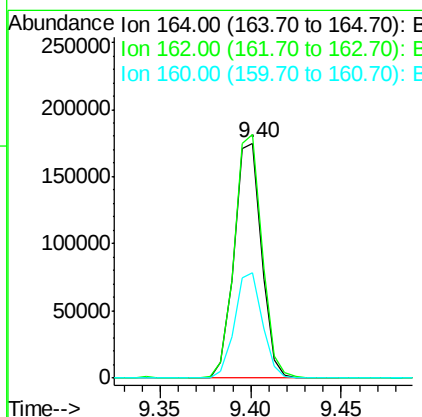
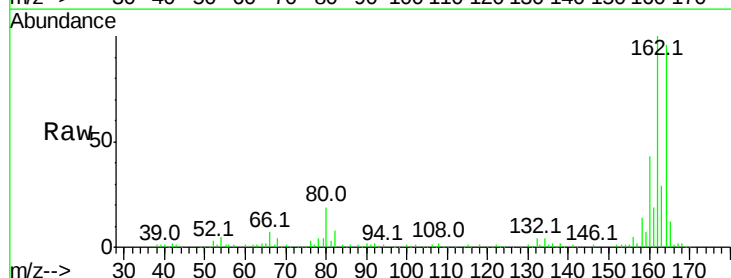
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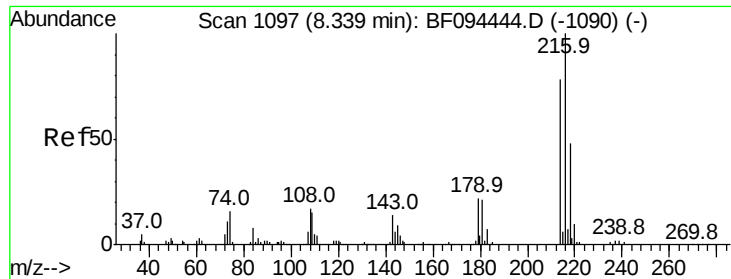
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	184261		
162	103.7		82.6	123.8
160	45.1		36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.07 ng

RT: 8.34 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

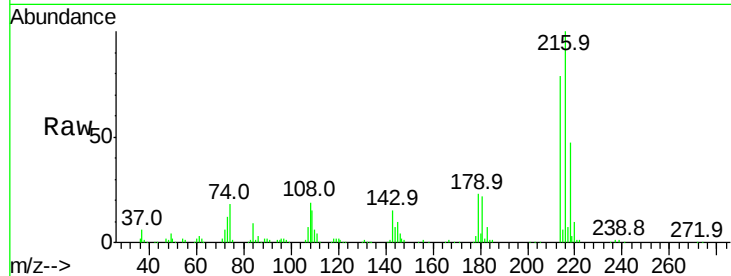
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	220743		
214	79.4		63.4	95.2
179	22.4		17.9	26.9
108	18.6		16.5	24.7

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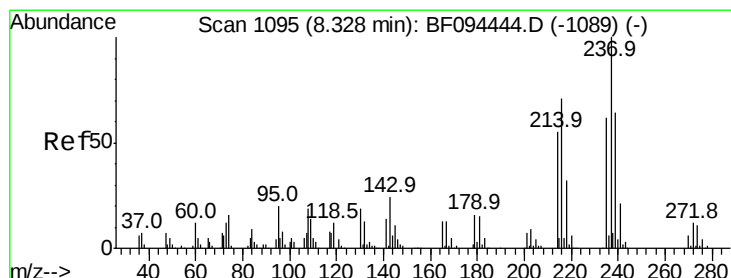
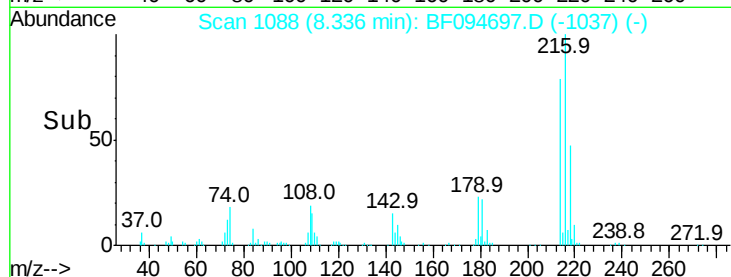
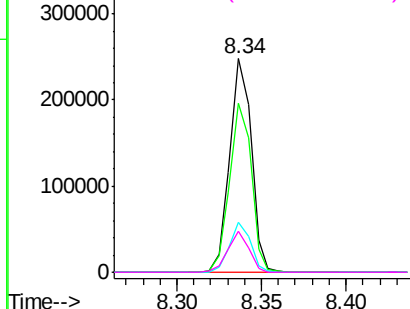


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 19.84 ng

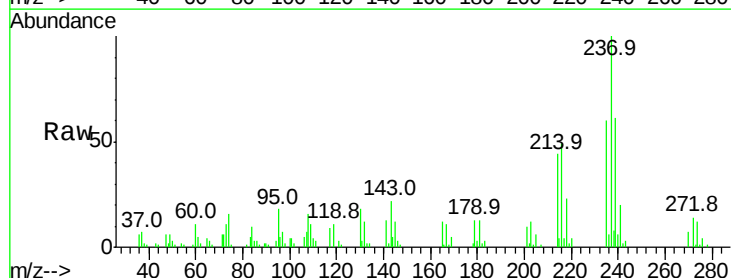
RT: 8.32 min Scan# 1086

Delta R.T. -0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

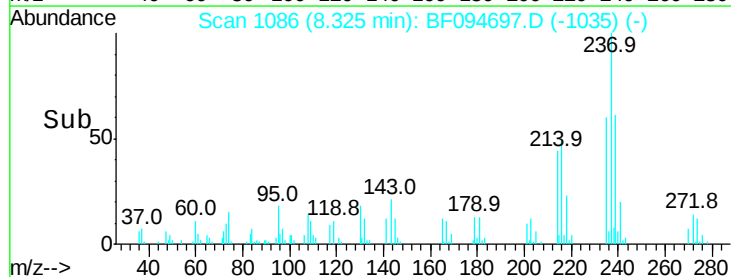
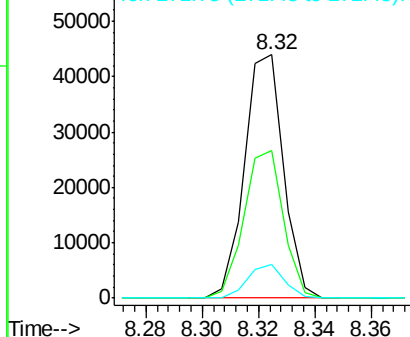
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	42113		
235	60.5		42.6	82.6
272	14.1		0.0	31.9

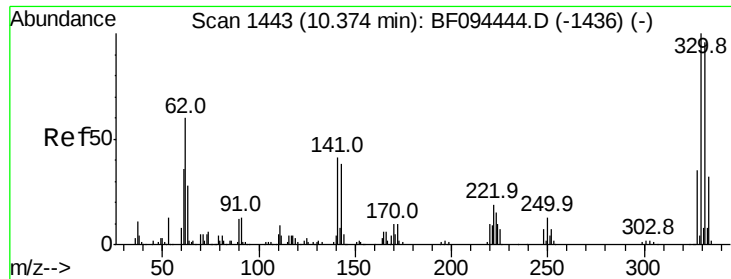


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





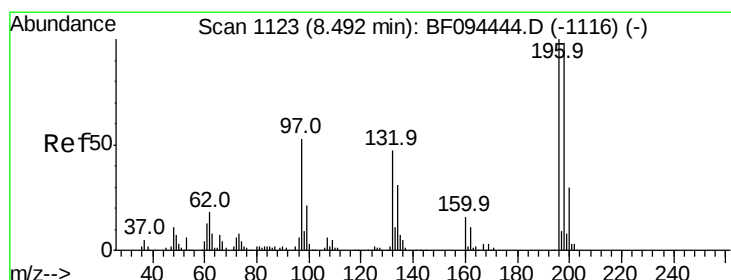
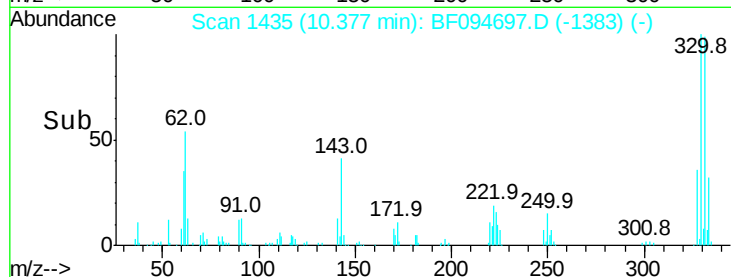
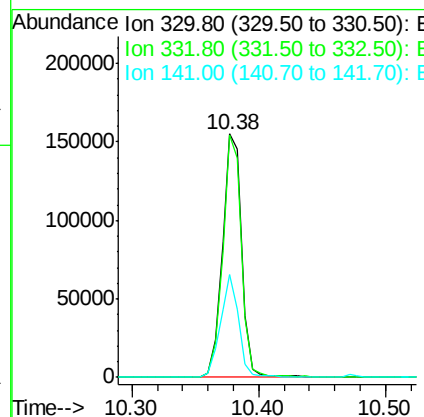
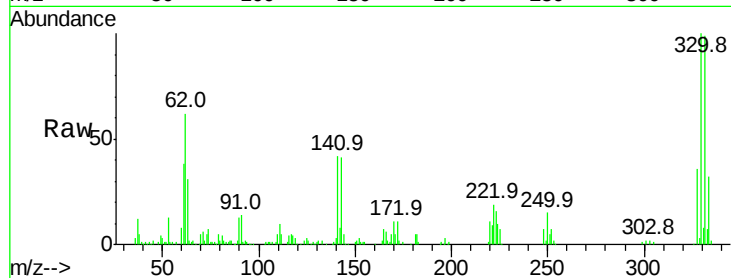
#41
 2,4,6-Tribromophenol
 Concen: 114.52 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	165055		
332	97.0	76.6	115.0	
141	39.8	31.4	47.2	

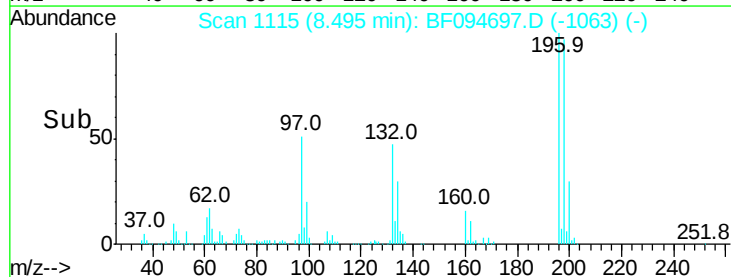
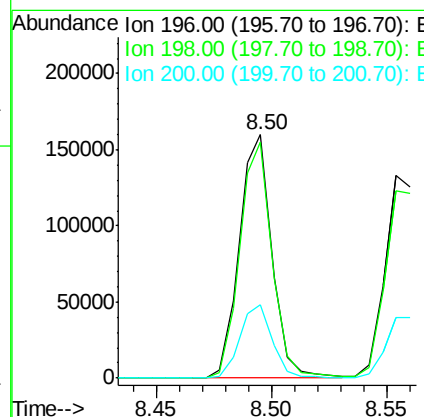
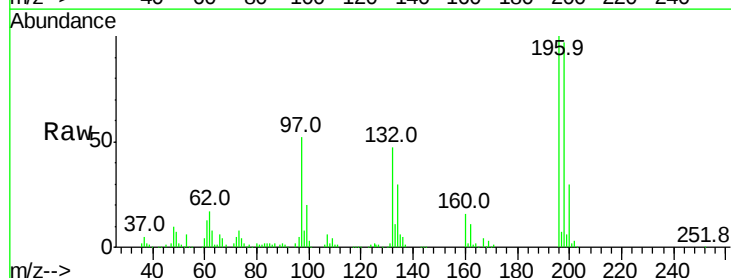
Manual Integrations
 APPROVED

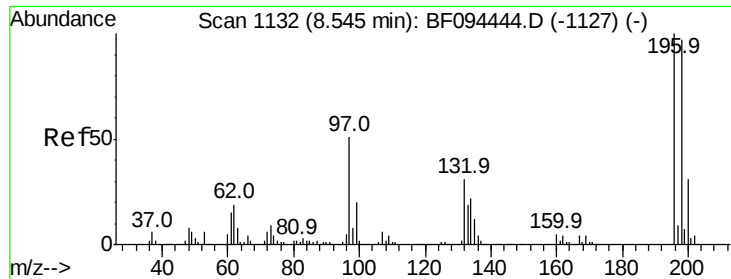
mohammad
 5/1/2017 6:40:36 PM



#42
 2,4,6-Trichlorophenol
 Concen: 42.82 ng
 RT: 8.50 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	157775		
198	96.7	74.2	111.4	
200	30.1	24.0	36.0	





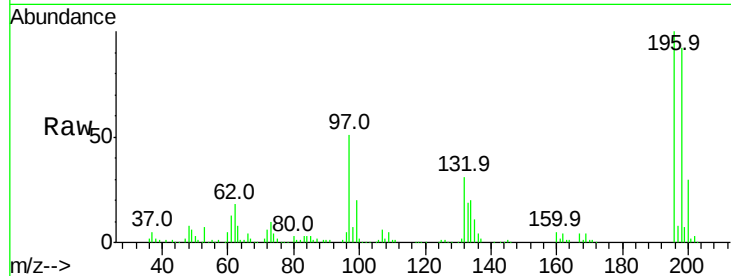
#43
 2,4,5-Trichlorophenol
 Concen: 42.68 ng
 RT: 8.55 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	196	Resp	161508
Ion Ratio	Lower	Upper	
196	100		
198	92.4	75.7	113.5
97	50.7	47.7	71.5
132	31.4	28.0	42.0

Manual Integrations
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mohammad
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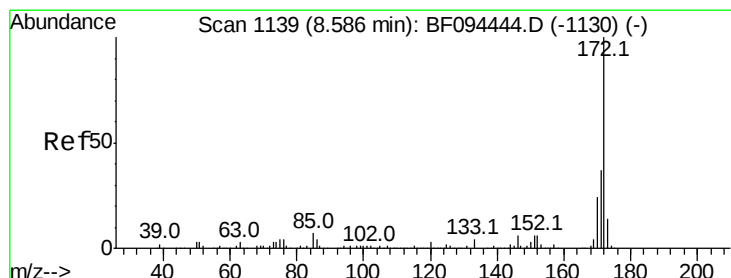
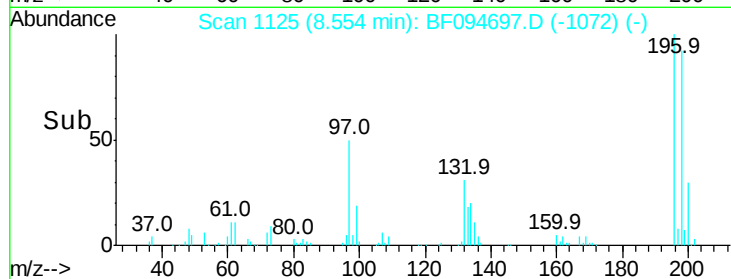
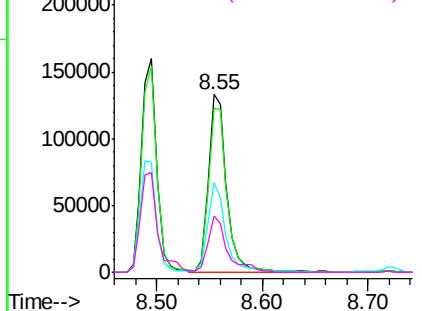
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

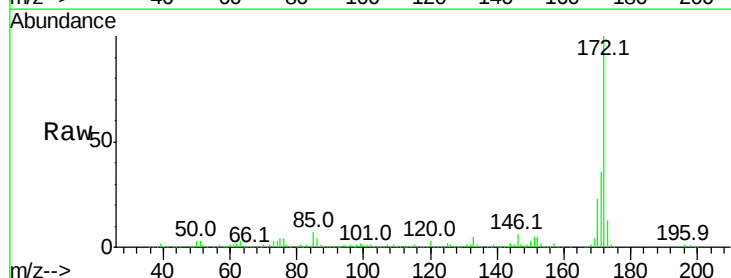
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 78.91 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	172	Resp	988197
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.6	44.4
170	23.5	19.8	29.8

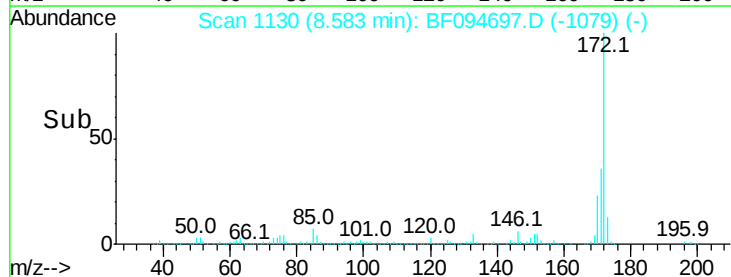
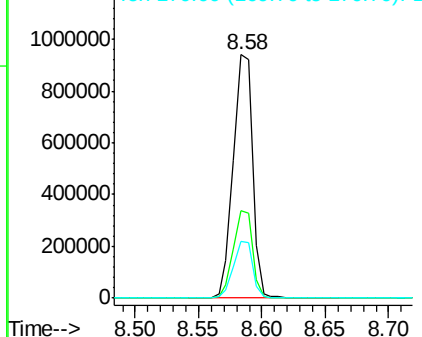


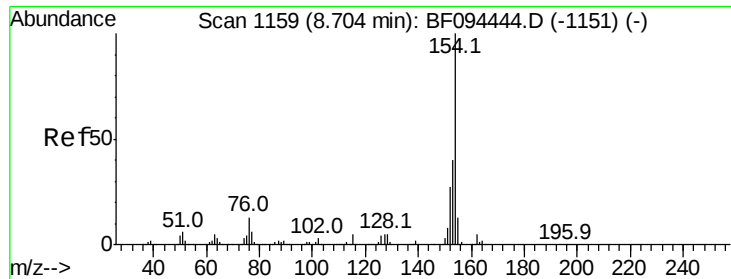
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





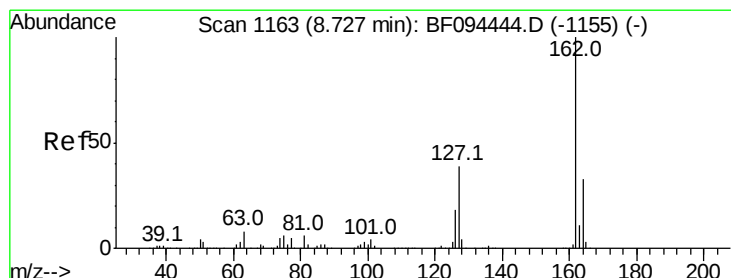
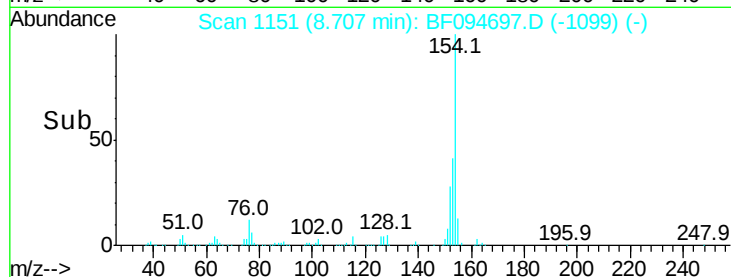
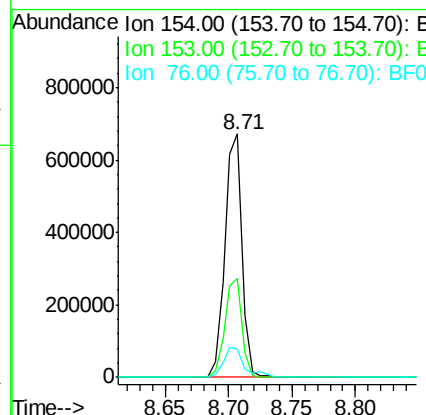
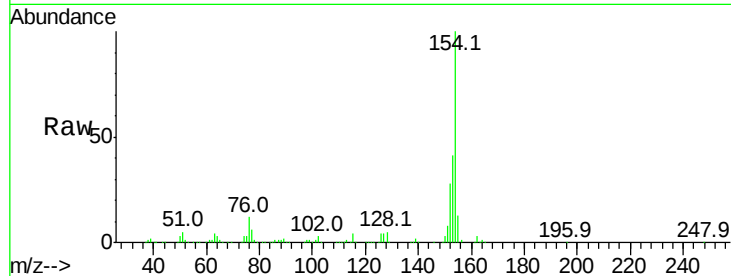
#45
 1,1'-Biphenyl
 Concen: 42.27 ng
 RT: 8.71 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.6	21.2	61.2	
76	11.9	0.0	29.9	

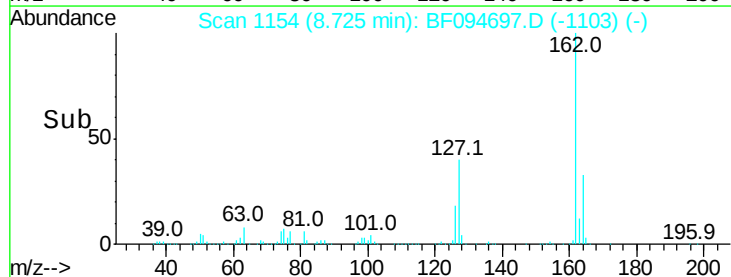
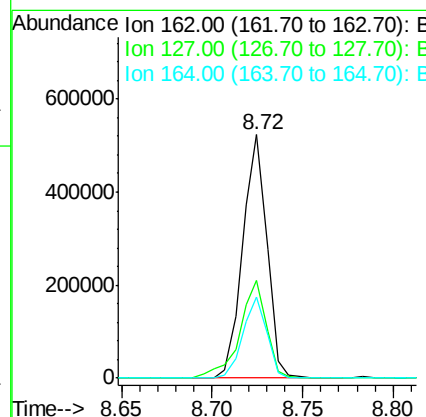
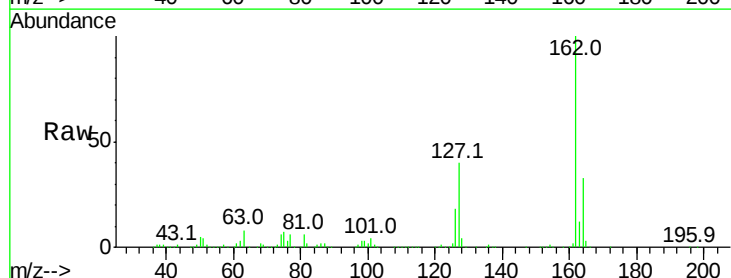
Manual Integrations
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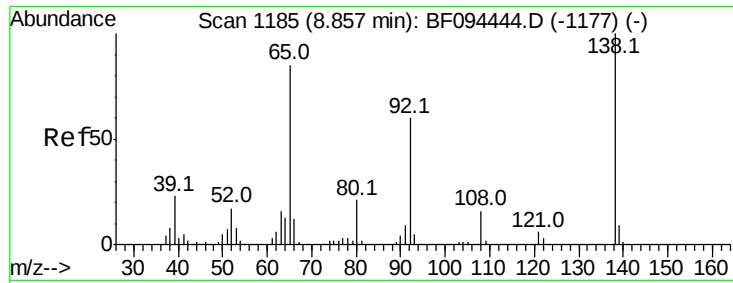
mohammad
 5/1/2017 6:40:36 PM



#46
 2-Chloronaphthalene
 Concen: 40.70 ng
 RT: 8.72 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.0	28.3	42.5	
164	33.4	27.0	40.4	





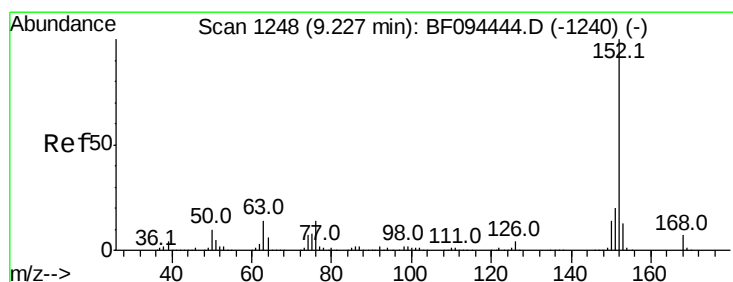
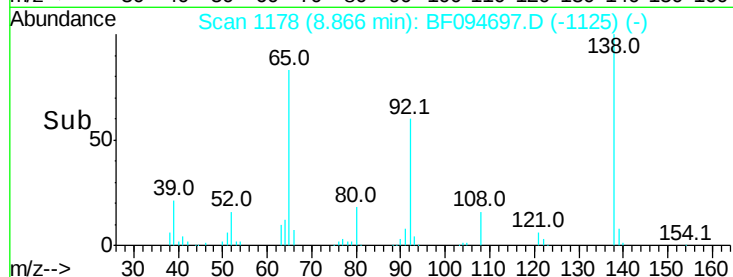
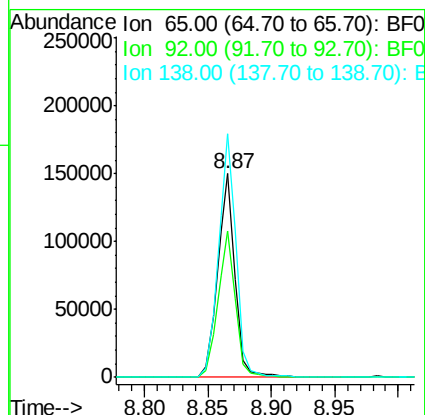
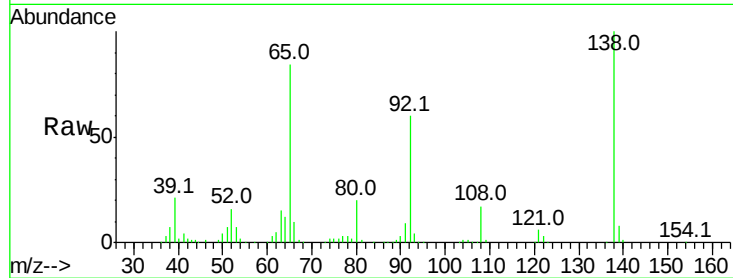
#47
2-Nitroaniline
Concen: 42.15 ng
RT: 8.87 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
65	100		
92	71.8	53.9	80.9
138	119.6	78.8	118.2

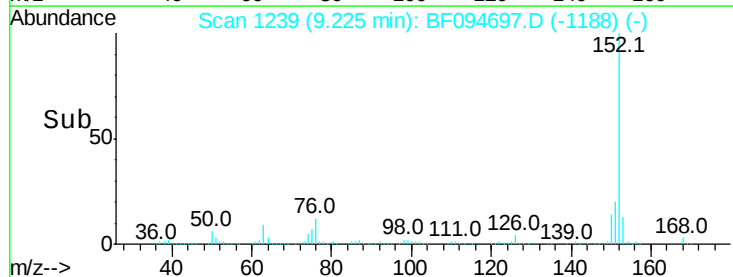
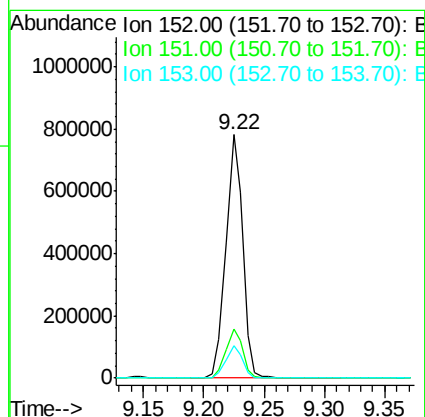
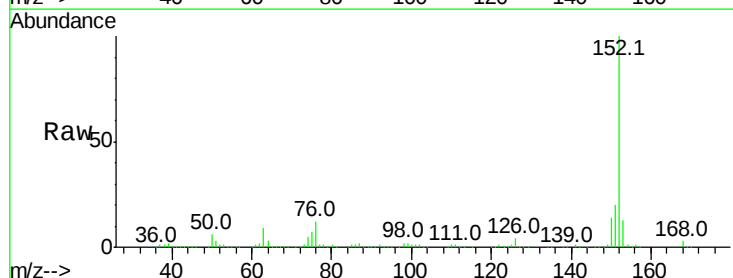
Manual Integrations
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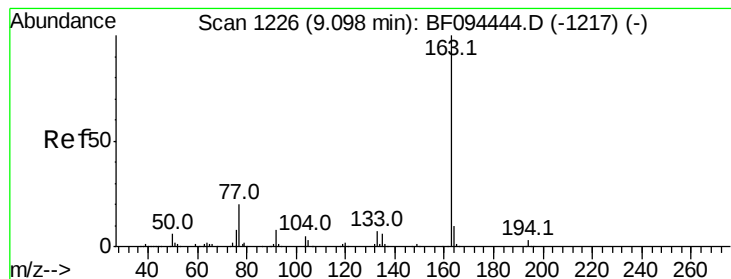
mohammad
5/1/2017 6:40:36 PM



#48
Acenaphthylene
Concen: 40.38 ng
RT: 9.22 min Scan# 1239
Delta R.T. -0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.1	10.8	16.2





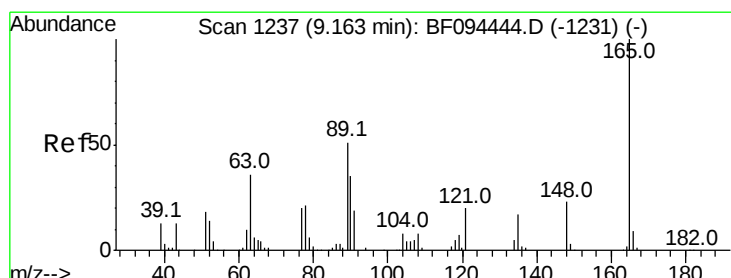
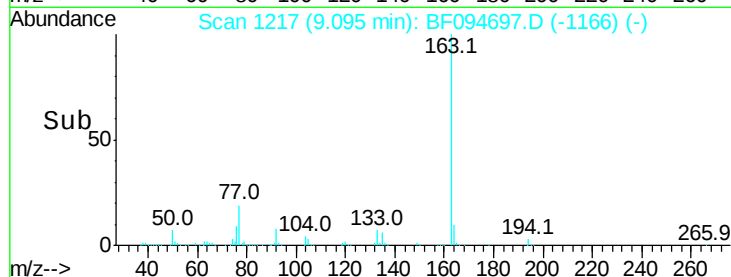
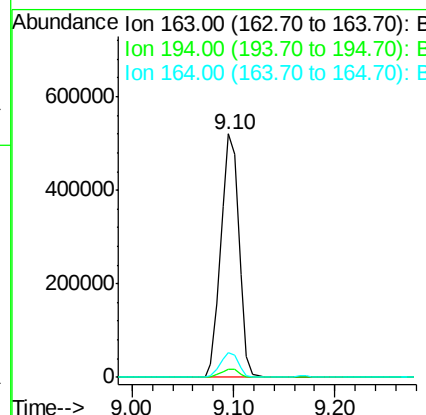
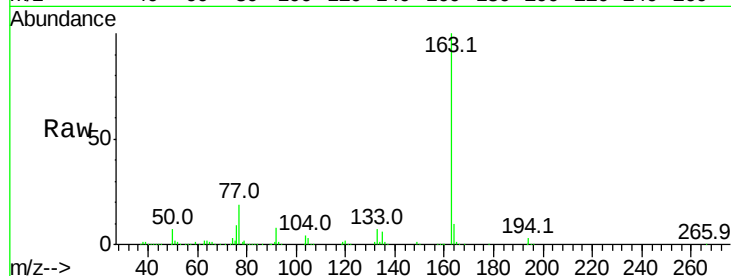
#49
Dimethylphthalate
Concen: 47.16 ng
RT: 9.10 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	647561		
194	3.4	2.6	4.0	
164	10.2	8.4	12.6	

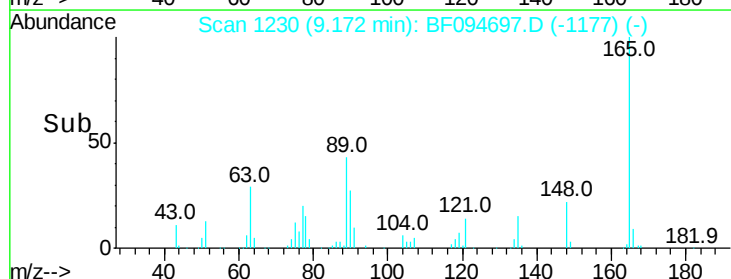
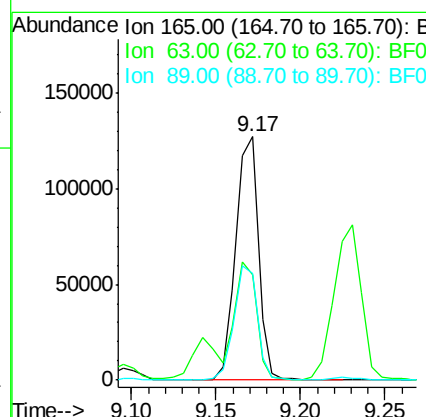
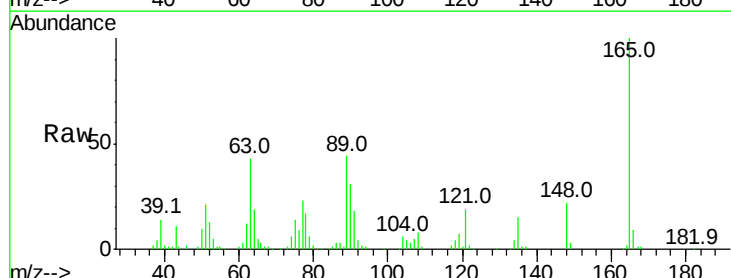
Manual Integrations
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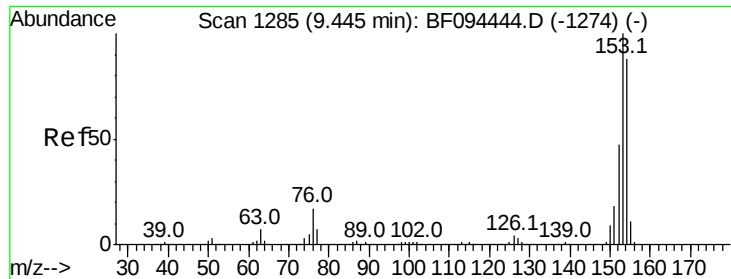
mohammad
5/1/2017 6:40:36 PM



#50
2,6-Dinitrotoluene
Concen: 38.63 ng
RT: 9.17 min Scan# 1230
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	119057		
63	43.2	34.3	51.5	
89	43.6	37.1	55.7	





#51

Acenaphthene

Concen: 41.84 ng

RT: 9.44 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

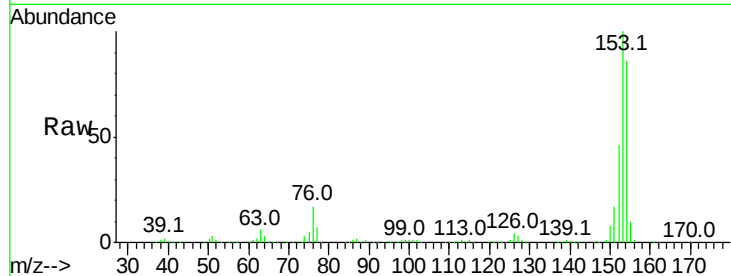
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.7	90.5	135.7
152	52.9	43.6	65.4

Manual Integrations
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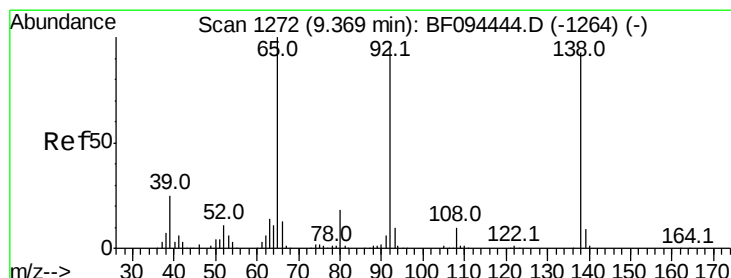
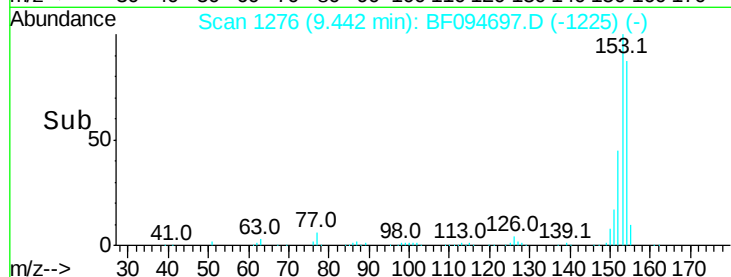
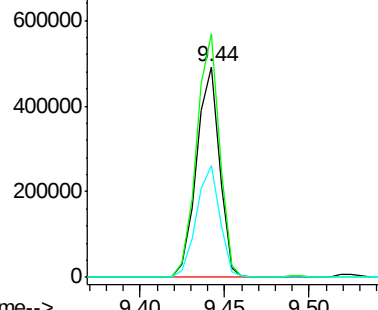
mohammad
5/1/2017 6:40:36 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.90 ng

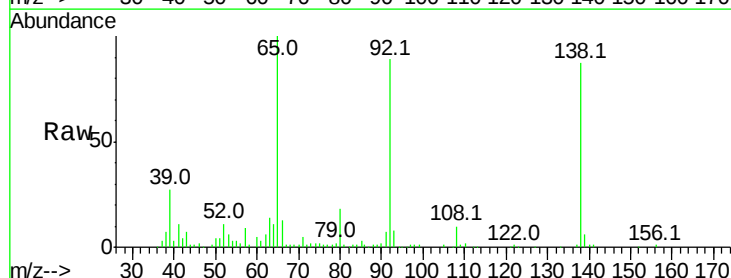
RT: 9.37 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

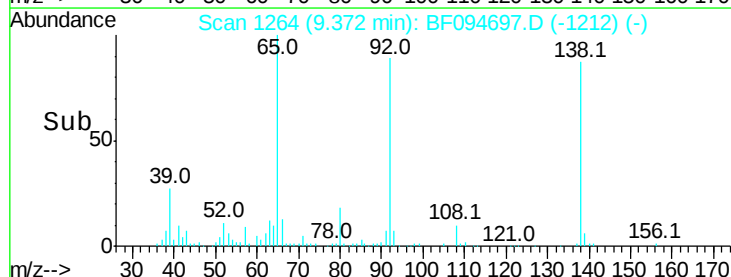
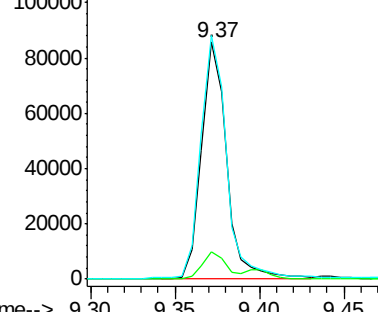
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.1	13.7
92	102.8	93.8	140.6

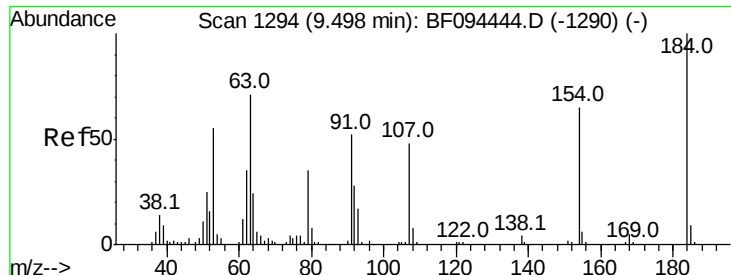


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





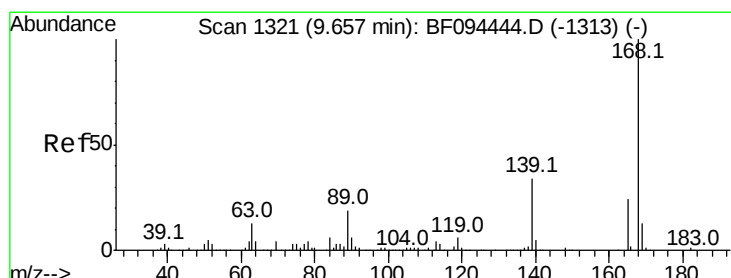
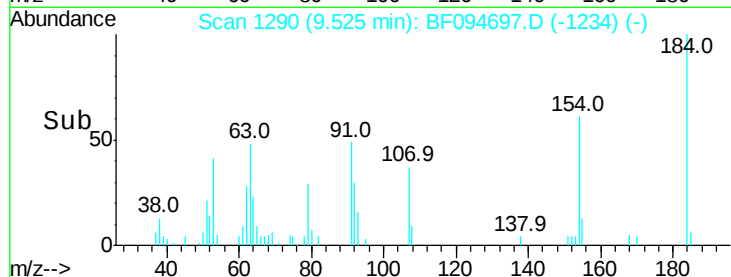
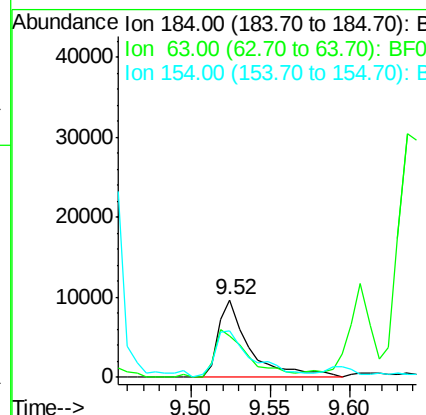
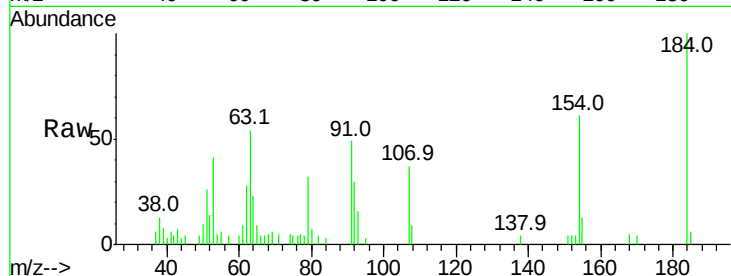
#53
 2,4-Dinitrophenol
 Concen: 13.09 ng
 RT: 9.52 min Scan# 1290
 Delta R.T. 0.03 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
184	100		
63	53.7	62.7	94.1#
154	60.5	81.1	121.7#

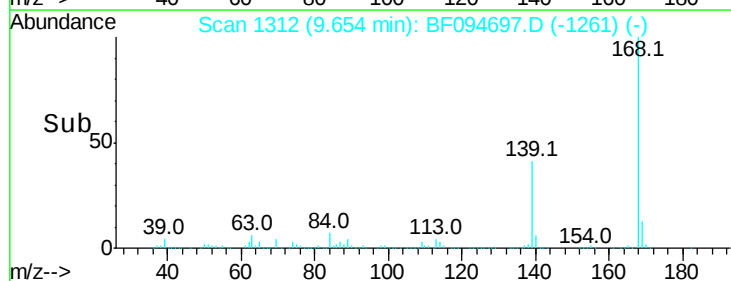
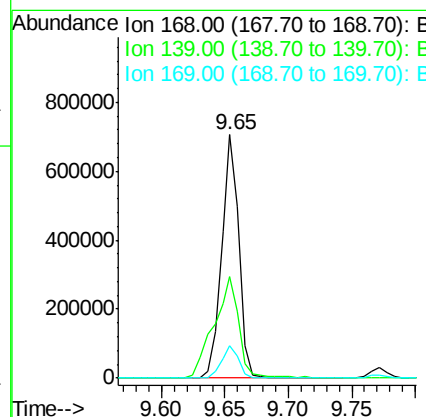
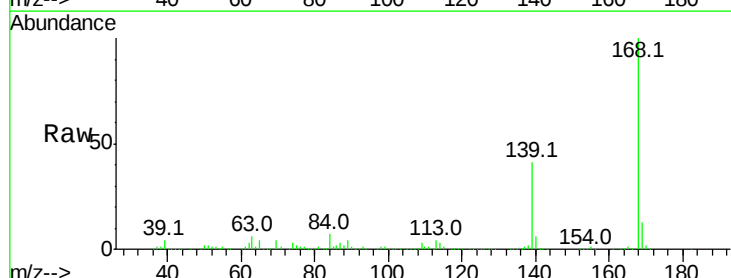
Manual Integrations
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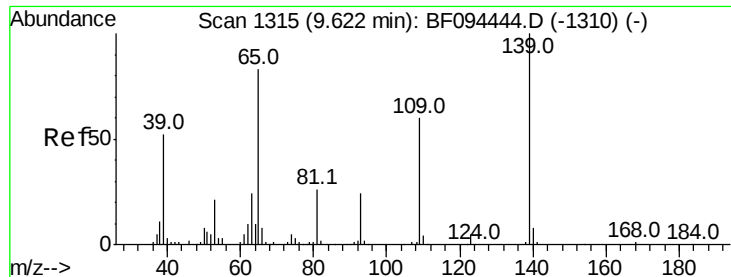
mohammad
 5/1/2017 6:40:36 PM



#54
 Dibenzofuran
 Concen: 41.35 ng
 RT: 9.65 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.5	30.6	45.8
169	13.1	10.8	16.2





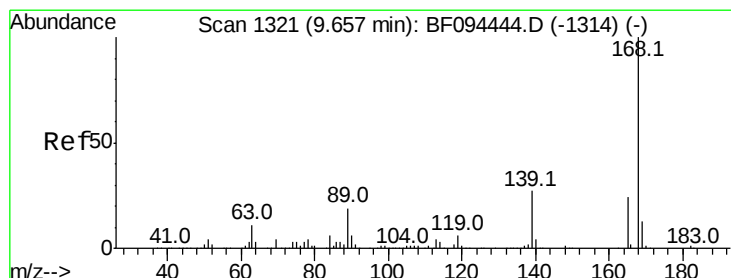
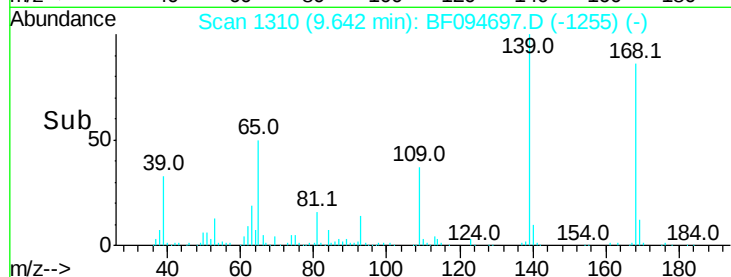
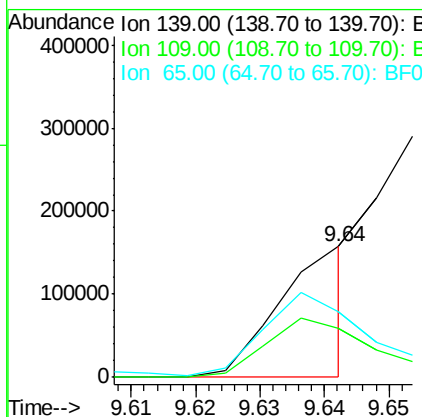
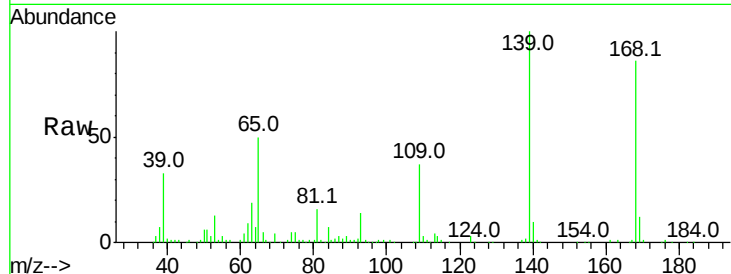
#55
4-Nitrophenol
Concen: 49.61 ng/mL
RT: 9.64 min Scan# 1310
Delta R.T. 0.02 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	124992		
109	37.3	34.1	74.1	
65	50.2	31.4	71.4	

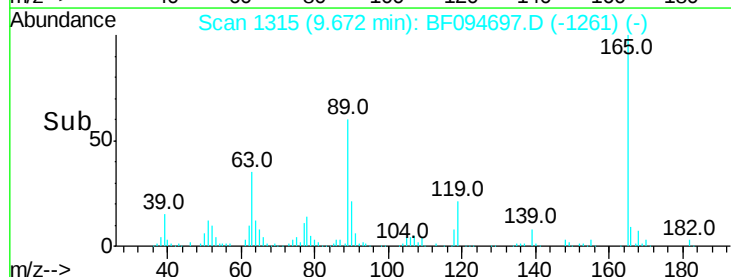
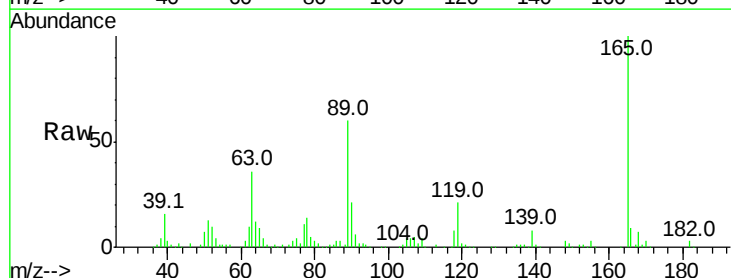
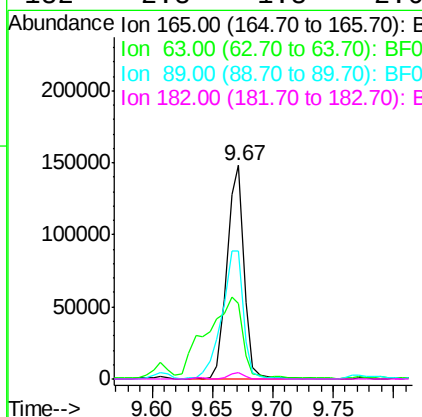
Manual Integrations
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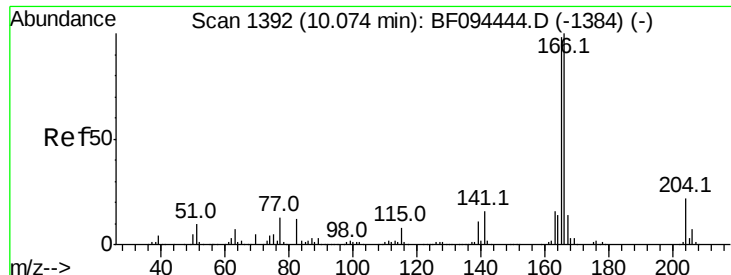
mohammad
5/1/2017 6:40:36 PM



#56
2,4-Dinitrotoluene
Concen: 38.46 ng/mL
RT: 9.67 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	145456		
63	35.5	25.4	38.0	
89	60.0	46.4	69.6	
182	2.8	1.8	2.6	





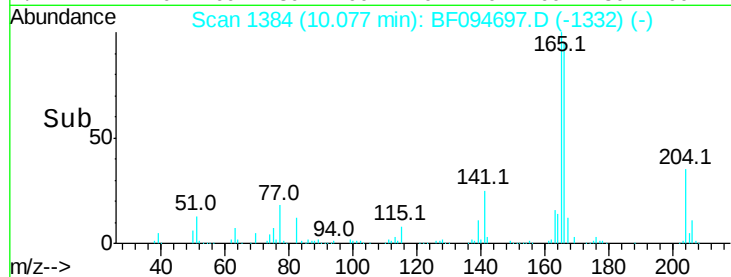
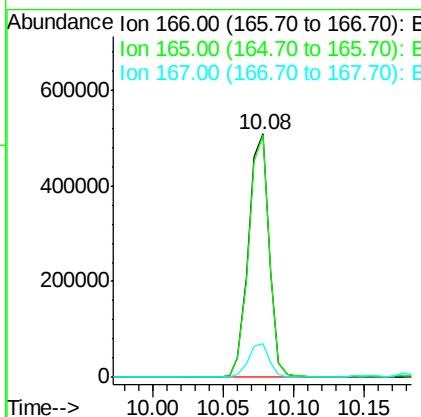
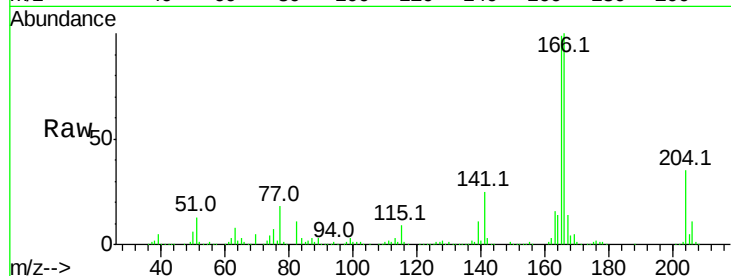
#57
 Fluorene
 Concen: 41.52 ng
 RT: 10.08 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.4	78.8	118.2	
167	13.8	10.6	16.0	

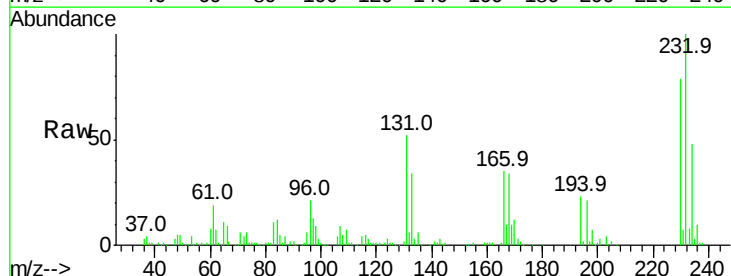
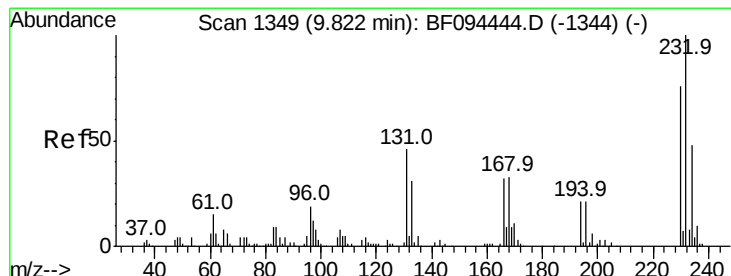
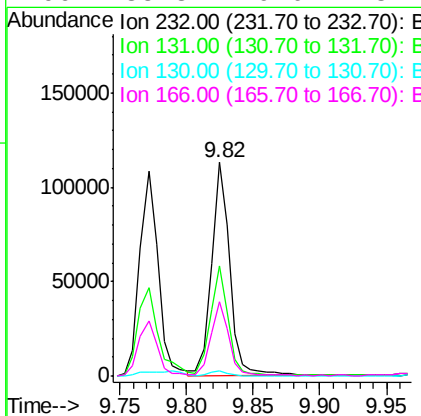
Manual Integrations
 APPROVED

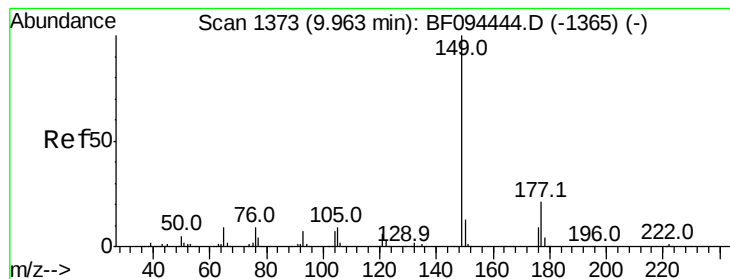
mohammad
 5/1/2017 6:40:36 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 40.15 ng
 RT: 9.82 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	50.4	44.8	67.2	
130	2.4	2.3	3.5	
166	35.3	29.0	43.4	





#59

Diethylphthalate

Concen: 41.94 ng

RT: 9.97 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

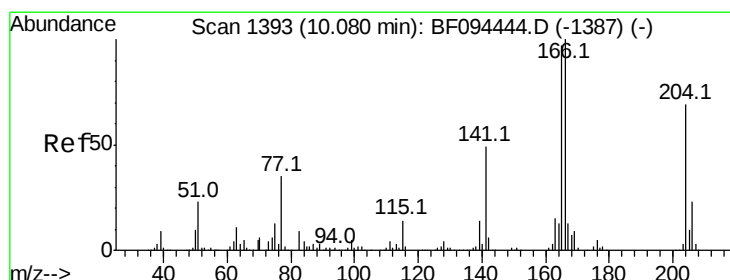
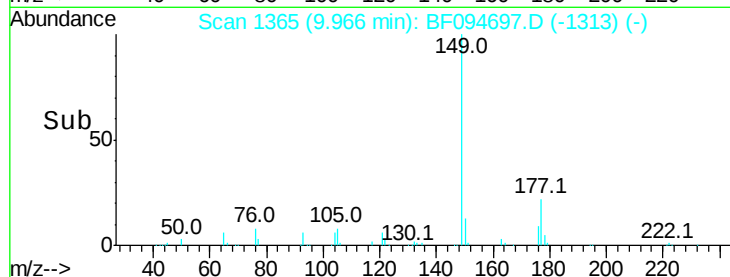
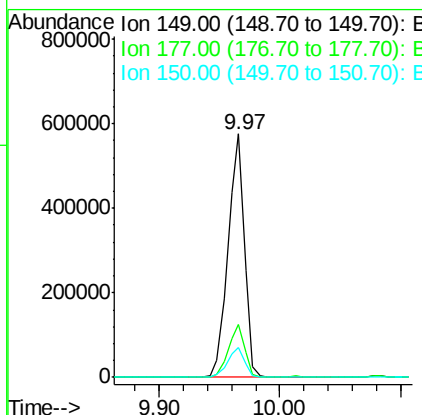
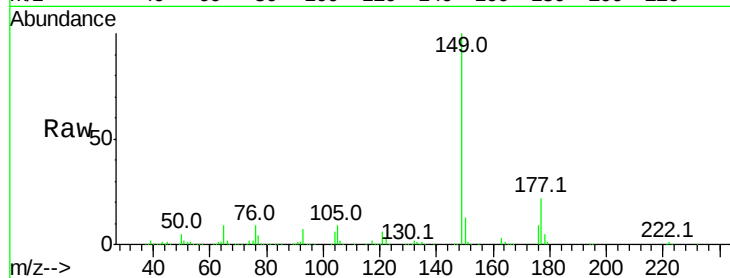
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:	149	Resp:	543341
Ion Ratio	Lower	Upper	
149	100		
177	21.8	16.7	25.1
150	12.5	10.2	15.2

Manual Integrations
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#60

4-Chlorophenyl-phenylether

Concen: 41.26 ng

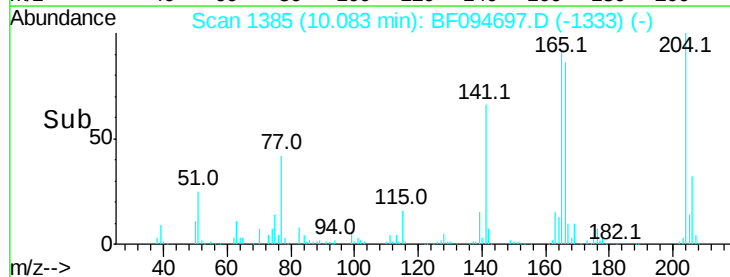
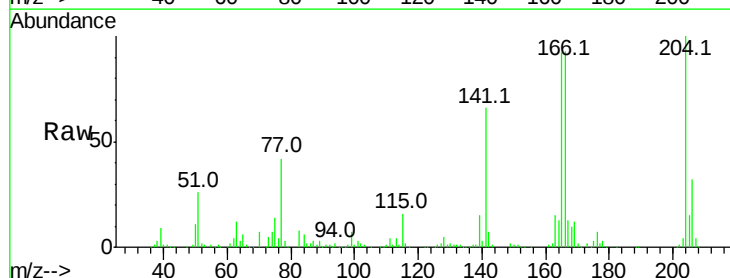
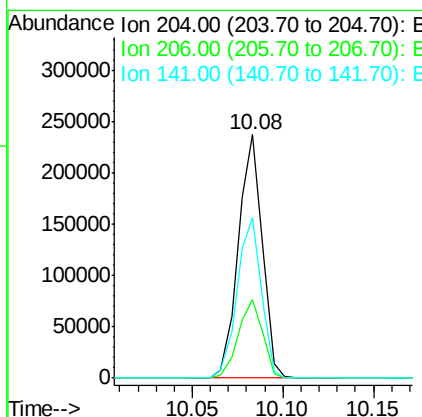
RT: 10.08 min Scan# 1385

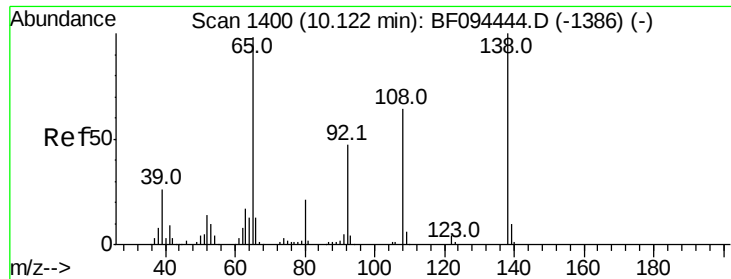
Delta R.T. 0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion:	204	Resp:	217215
Ion Ratio	Lower	Upper	
204	100		
206	32.0	26.2	39.2
141	66.0	60.8	91.2





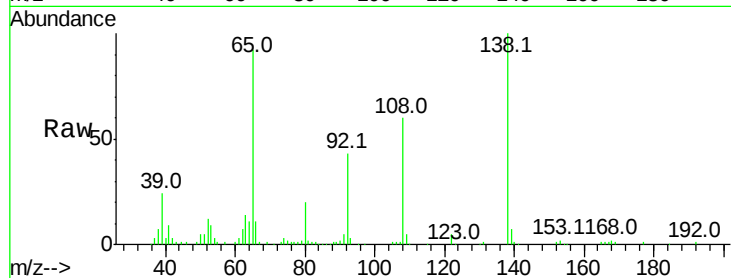
#61
4-Nitroaniline
Concen: 30.95 ng
RT: 10.13 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	43.1	21.8	61.8	
108	59.9	42.3	82.3	

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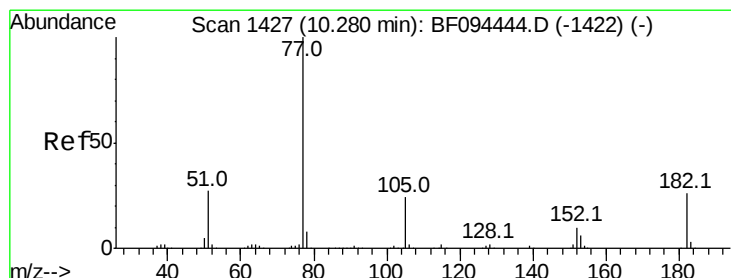
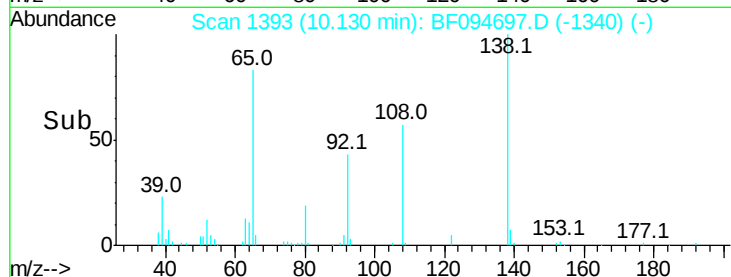
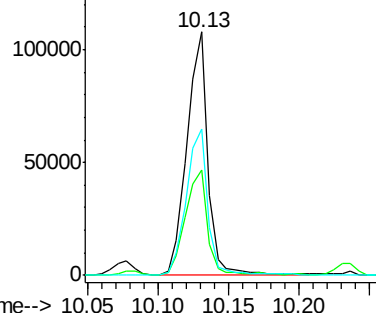


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62
Azobenzene
Concen: 38.51 ng
RT: 10.28 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	26.7	0.1	40.1	
105	24.5	3.6	43.6	
51	26.6	9.4	49.4	

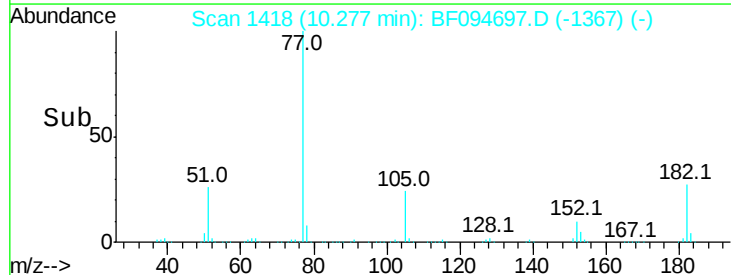
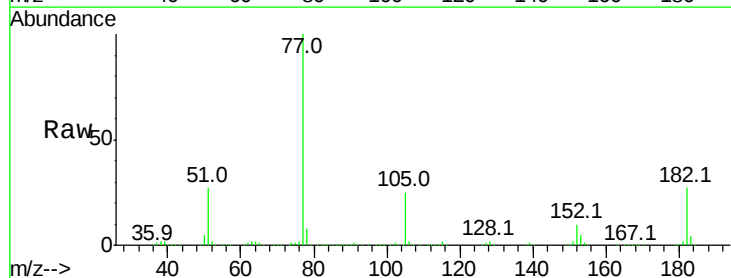
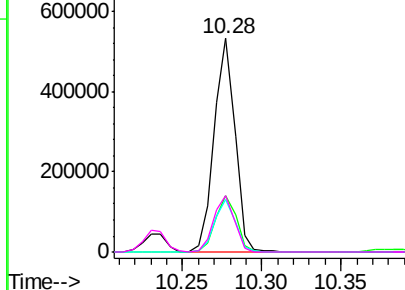
Abundance

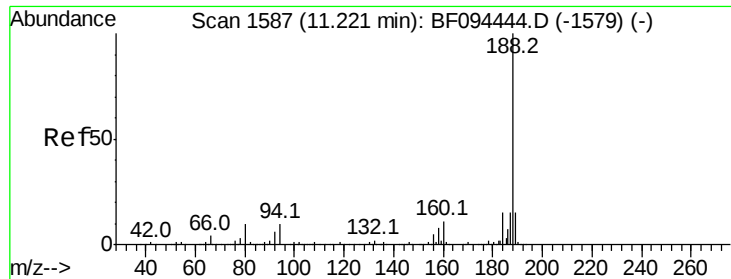
Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





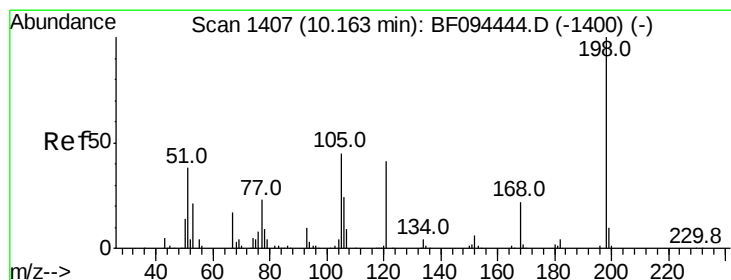
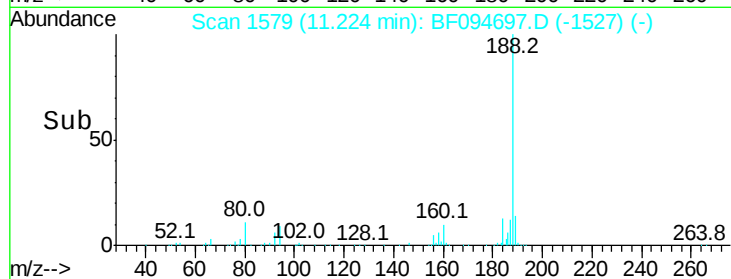
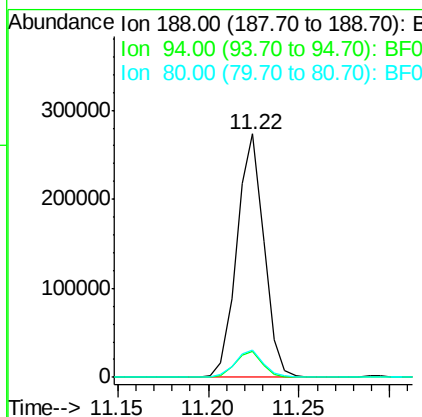
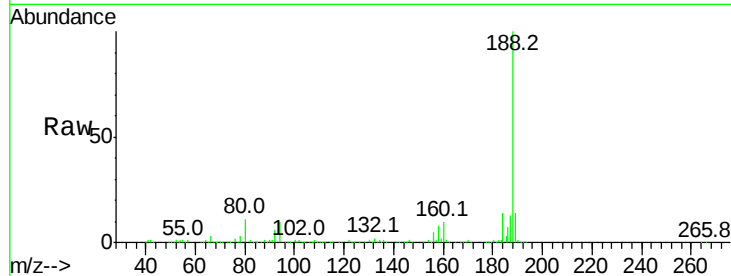
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	283841		
94	10.5		9.4	14.2
80	11.2		10.2	15.2

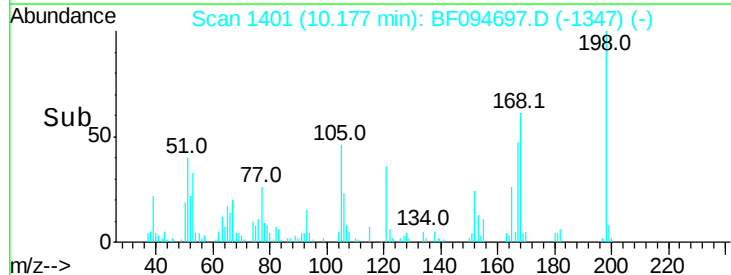
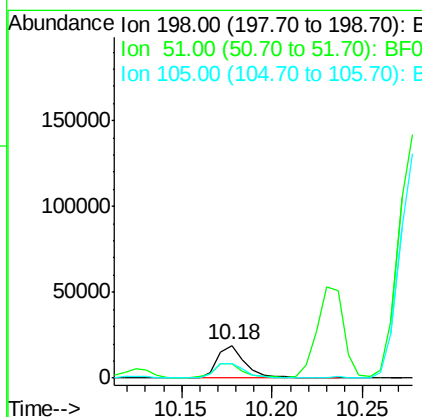
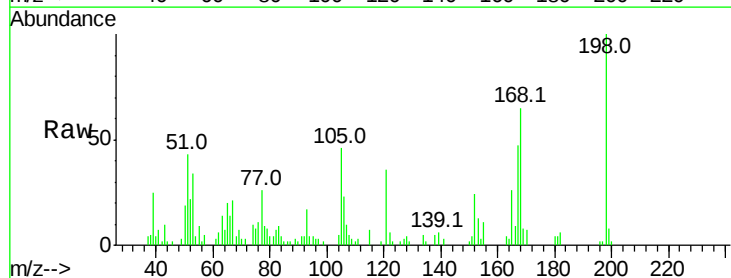
Manual Integrations
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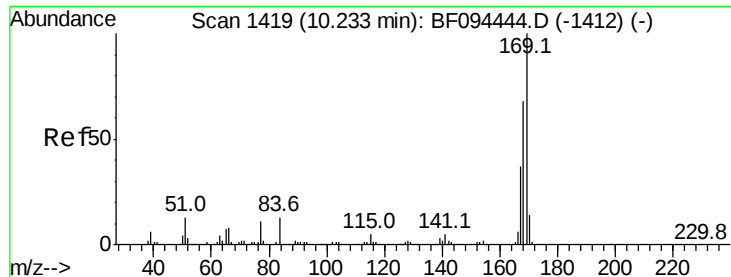
mohammad
5/1/2017 6:40:36 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 10.86 ng
RT: 10.18 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	20199		
51	42.9		53.2	93.2#
105	46.2		45.8	85.8





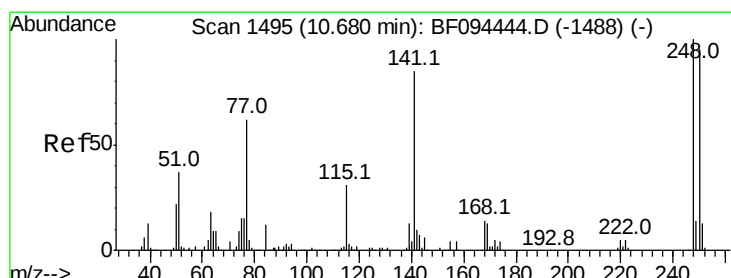
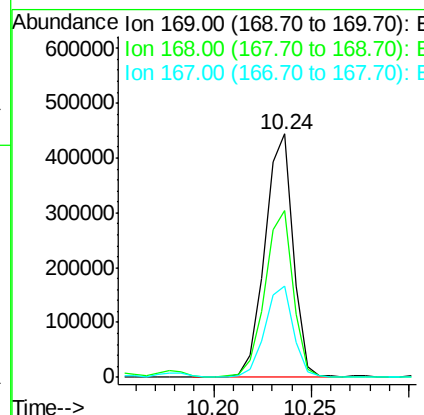
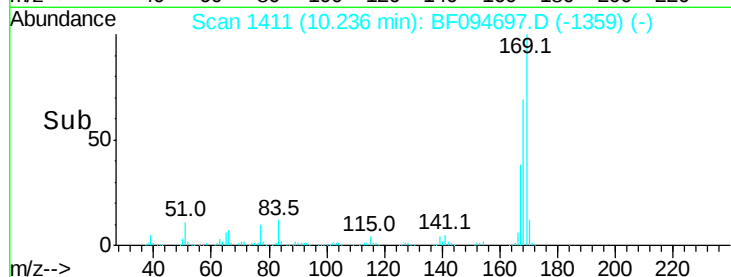
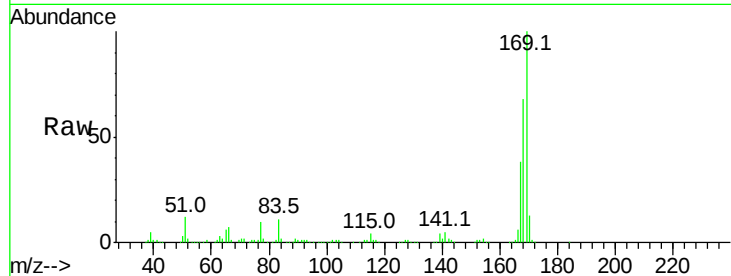
#65
n-Nitrosodiphenylamine
Concen: 44.71 ng
RT: 10.24 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	441318		
168	68.4	53.2	79.8	
167	37.7	29.5	44.3	

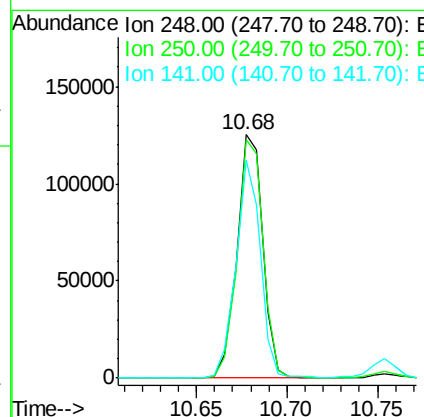
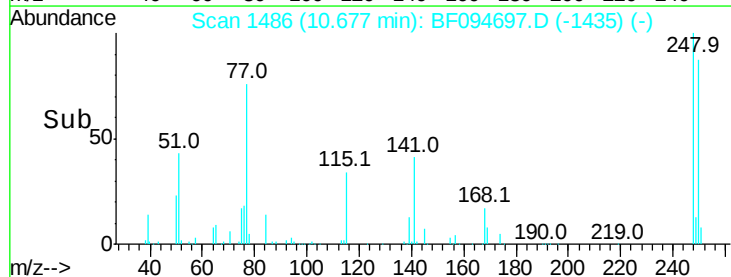
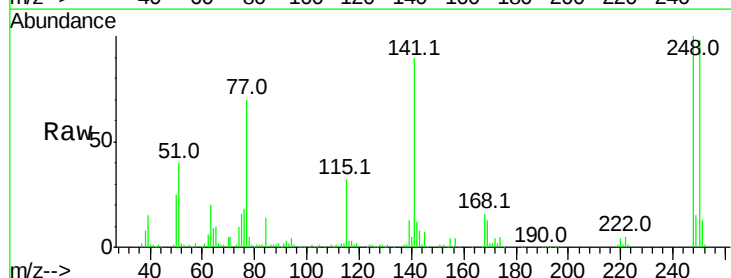
Manual Integrations
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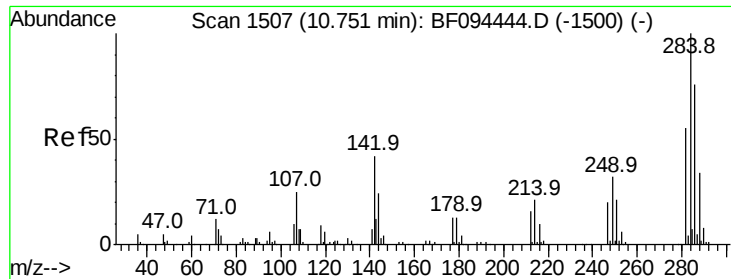
mohammad
5/1/2017 6:40:36 PM



#66
4-Bromophenyl-phenylether
Concen: 44.23 ng
RT: 10.68 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	124658		
250	98.2	76.8	115.2	
141	89.7	68.6	103.0	





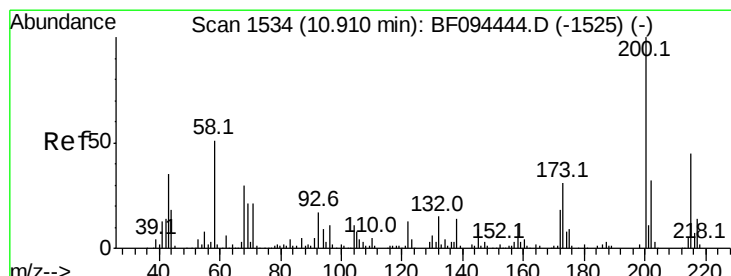
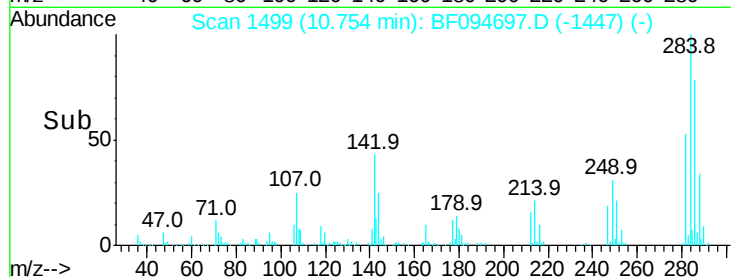
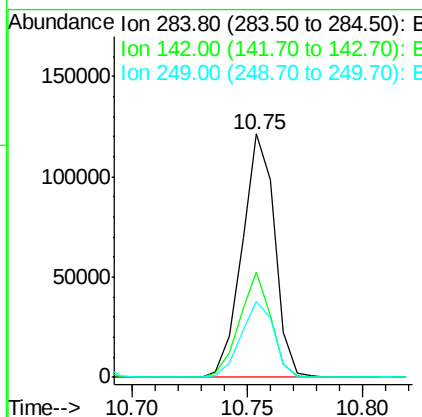
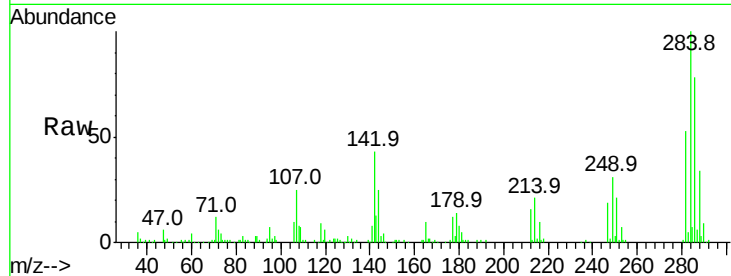
#67
Hexachlorobenzene
Concen: 42.06 ng
RT: 10.75 min Scan# 1499
Delta R.T. 0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	43.4	22.8	34.2	#
249	31.0	24.0	36.0	

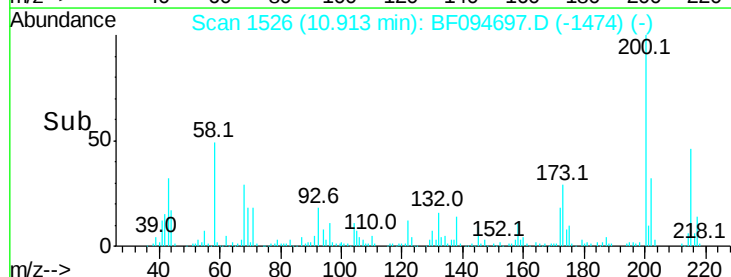
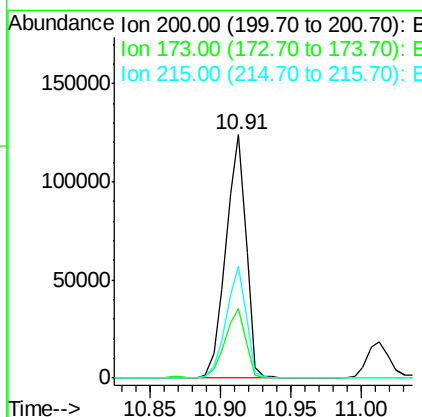
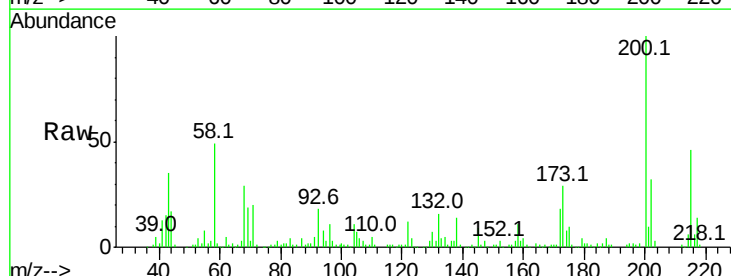
Manual Integrations
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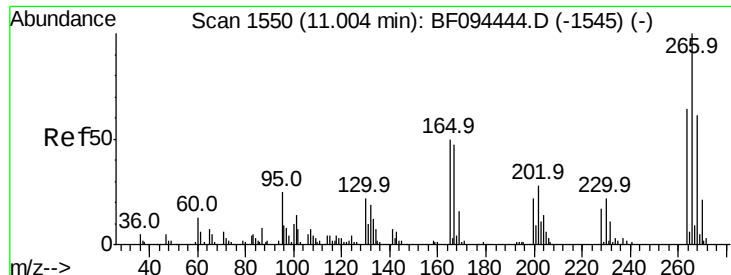
mohammad
5/1/2017 6:40:36 PM



#68
Atrazine
Concen: 42.00 ng
RT: 10.91 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.7	6.3	46.3	
215	45.9	27.2	67.2	





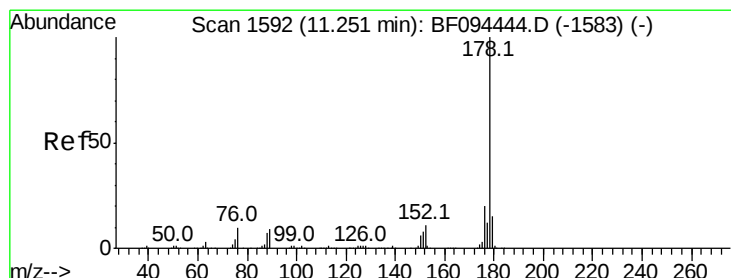
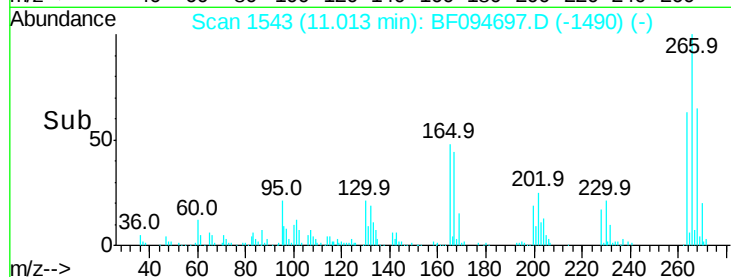
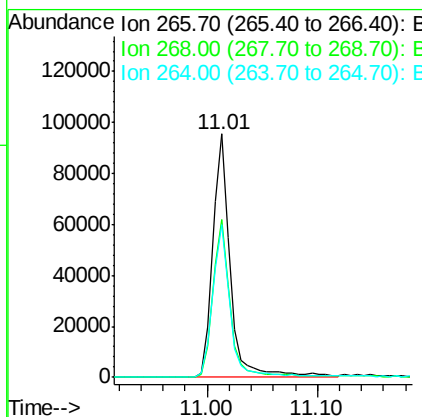
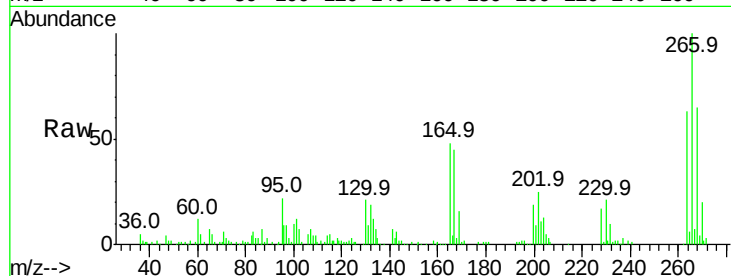
#69
 Pentachlorophenol
 Concen: 92.22 ng
 RT: 11.01 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	104007		
268	64.8		51.1	76.7
264	62.9		51.7	77.5

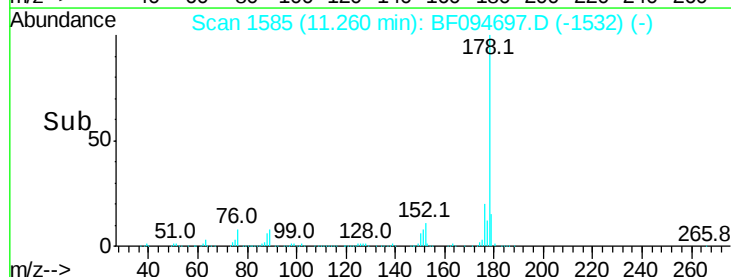
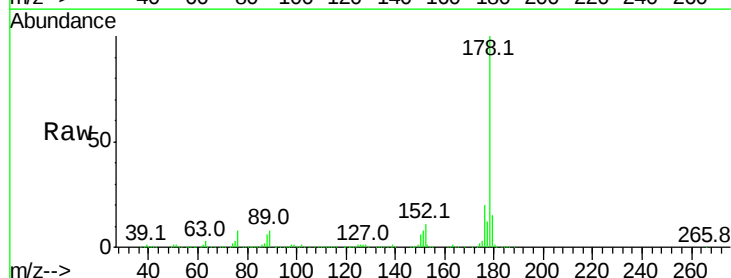
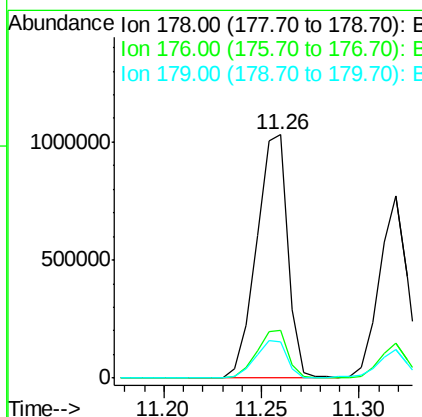
Manual Integrations
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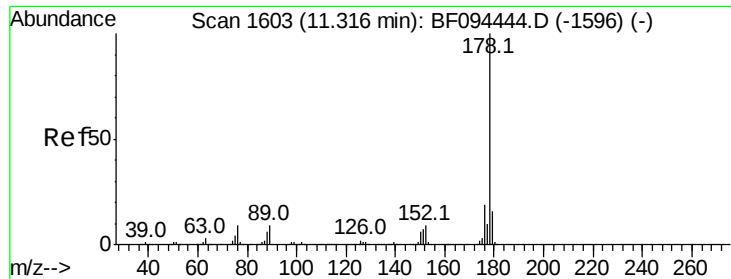
mohammad
 5/1/2017 6:40:36 PM



#70
 Phenanthrene
 Concen: 71.48 ng
 RT: 11.26 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1142462		
176	19.7		16.2	24.4
179	15.1		12.6	19.0





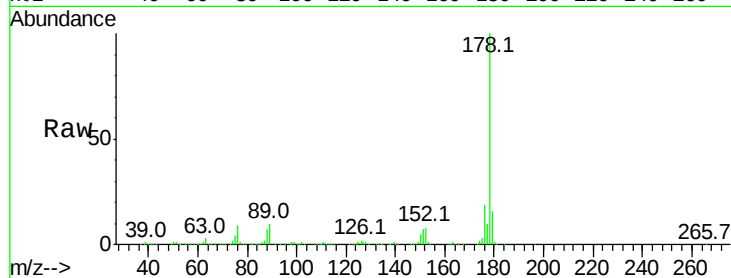
#71
 Anthracene
 Concen: 45.30 ng
 RT: 11.32 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

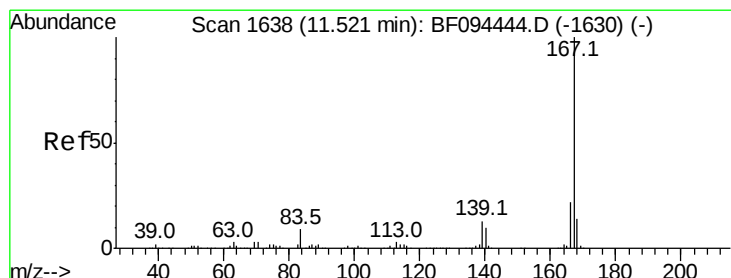
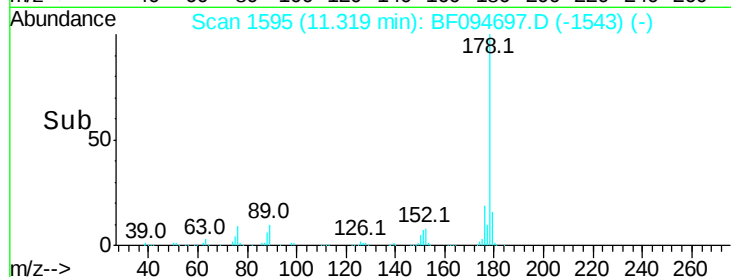
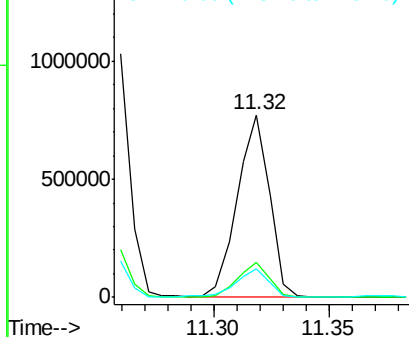
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.6	12.7	19.1

Manual Integrations
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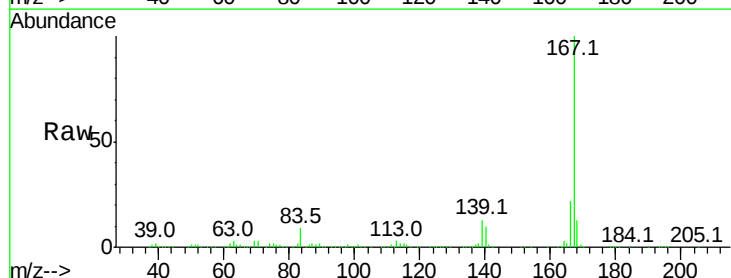


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

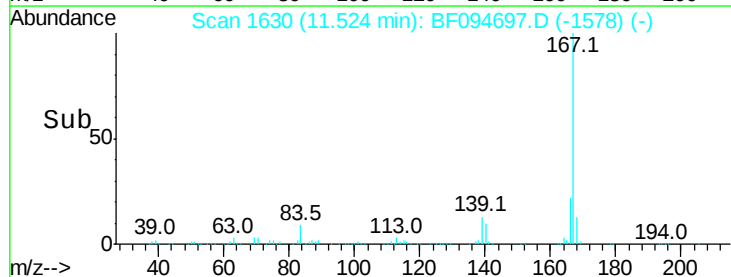
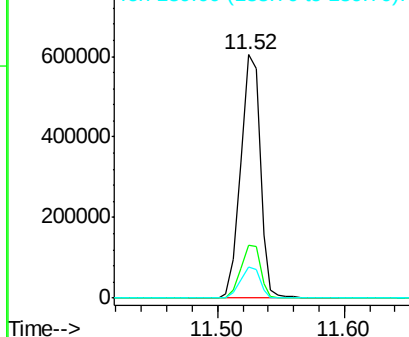


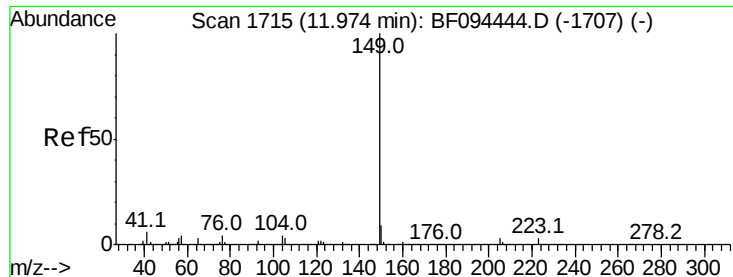
#72
 Carbazole
 Concen: 41.44 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	13.0	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 46.23 ng

RT: 11.97 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

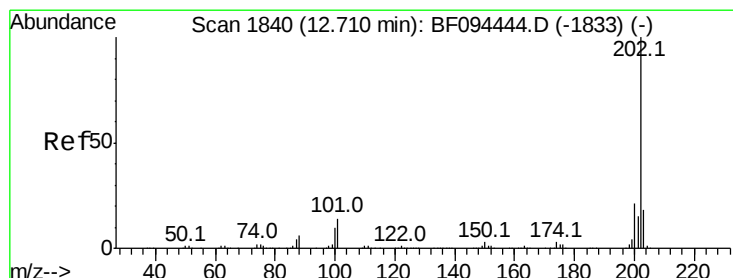
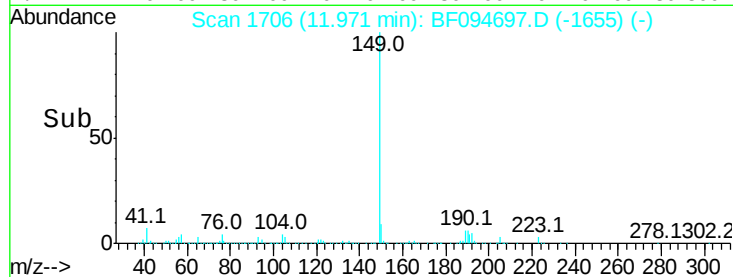
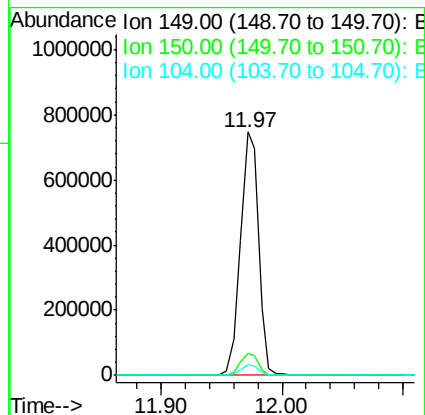
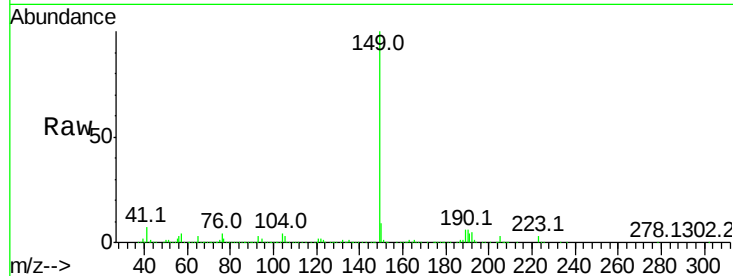
ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:	149	Resp:	789816
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.7	11.5
104	4.4	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 67.65 ng

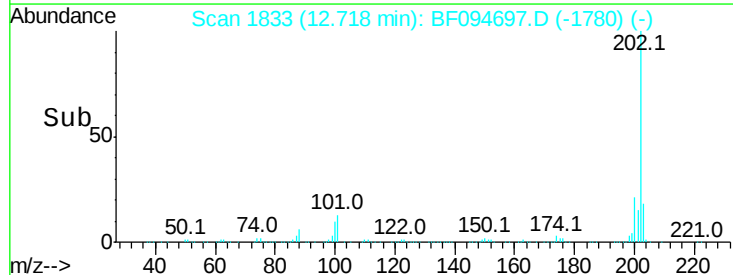
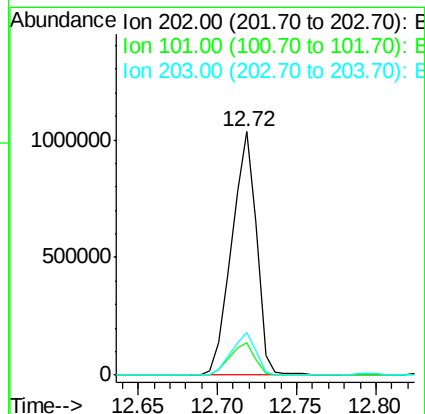
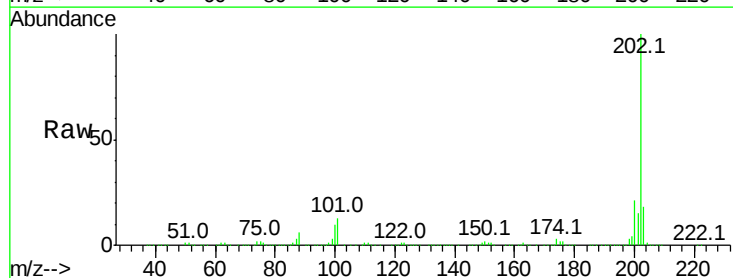
RT: 12.72 min Scan# 1833

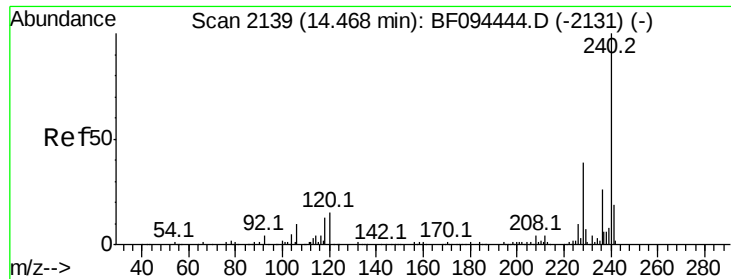
Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Tgt Ion:	202	Resp:	1120667
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.48 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:240 Resp: 214937
Ion Ratio Lower Upper

240 100

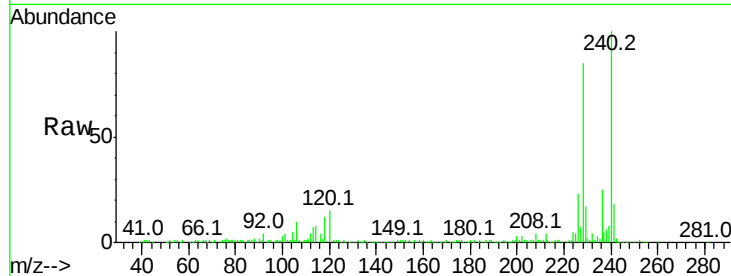
120 14.7 5.8 8.8#

236 25.3 20.5 30.7

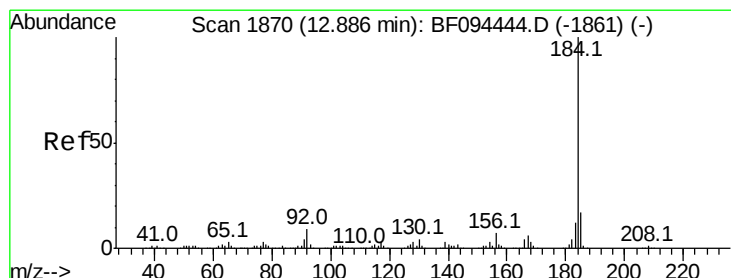
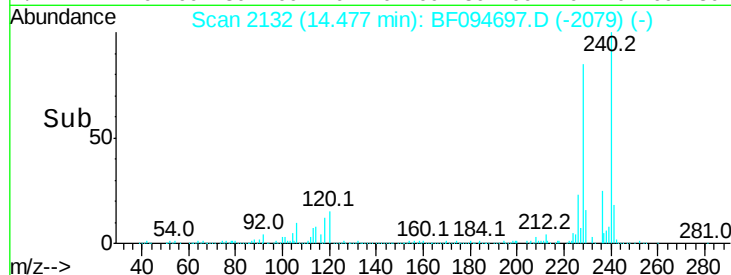
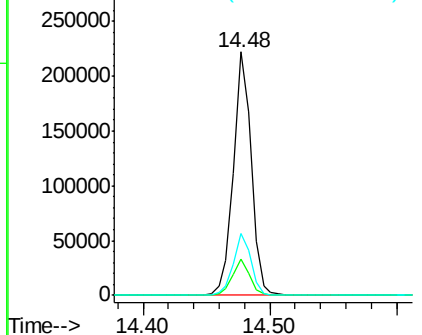
Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 33.05 ng

RT: 12.89 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BF094697.D

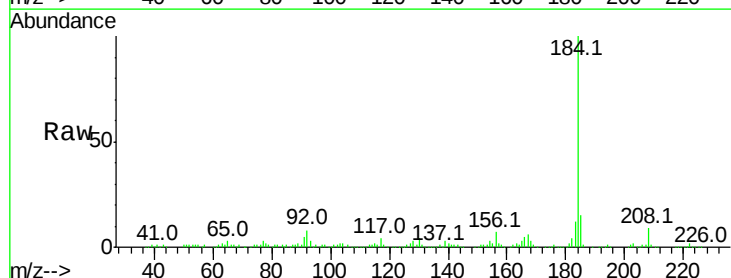
Acq: 28 Apr 2017 21:26

Tgt Ion:184 Resp: 287587
Ion Ratio Lower Upper

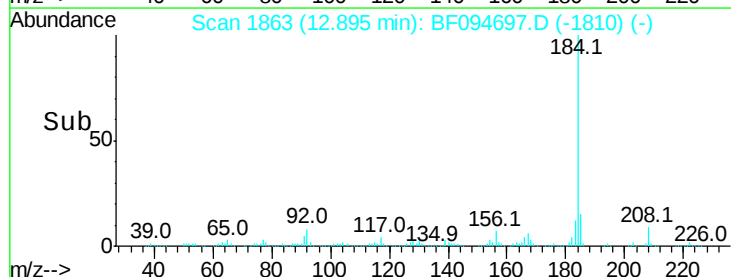
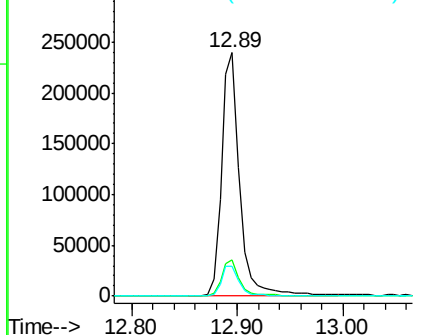
184 100

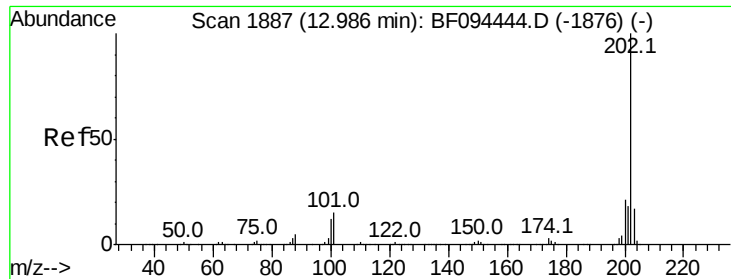
185 14.7 15.5 23.3#

183 12.3 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 72.41 ng

RT: 12.99 min Scan# 1880

Delta R.T. 0.01 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

Instrument :

BNA_F

ClientSampleId :

MANHOLE-9-COMPMS

Tot Ion:202 Resp: 1087374

Ion Ratio Lower Upper

202 100

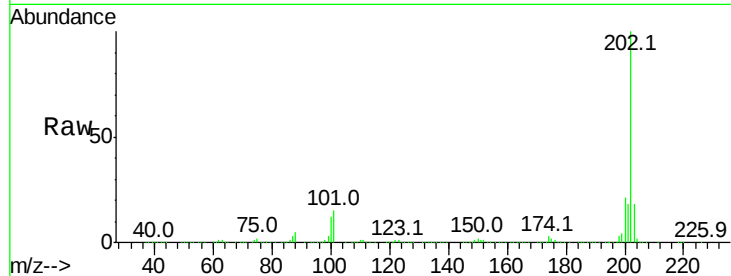
200 21.4 17.6 26.4

203 17.8 14.4 21.6

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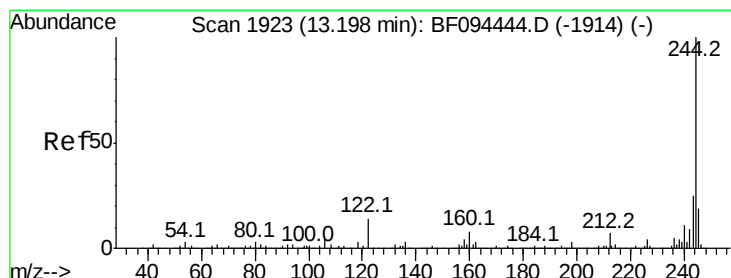
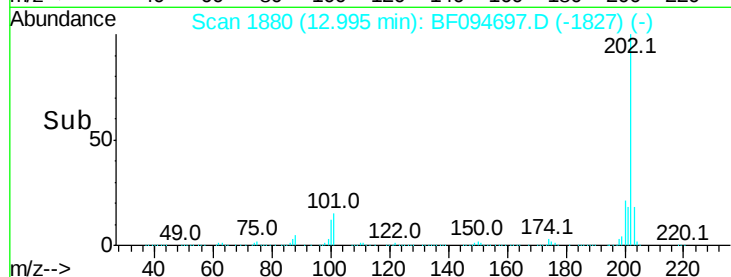
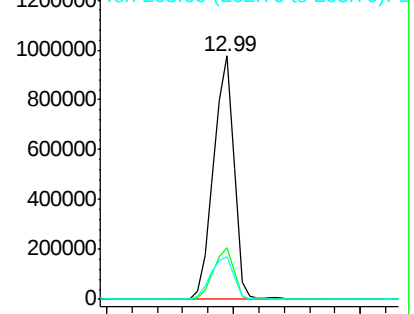
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 83.20 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094697.D

Acq: 28 Apr 2017 21:26

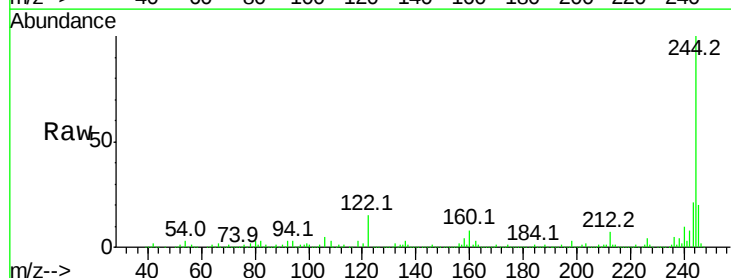
Tgt Ion:244 Resp: 669043

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

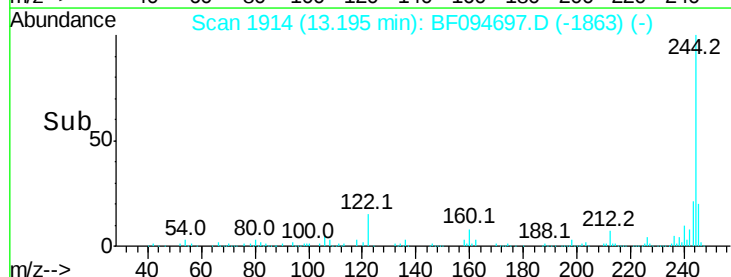
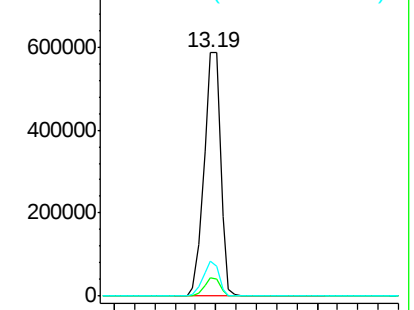
122 14.6 10.3 15.5

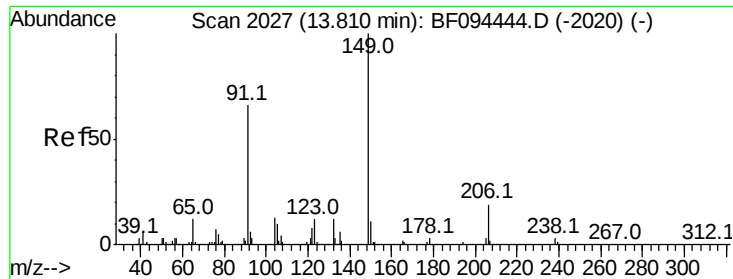


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





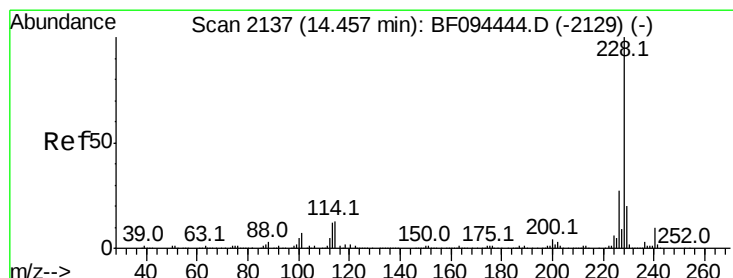
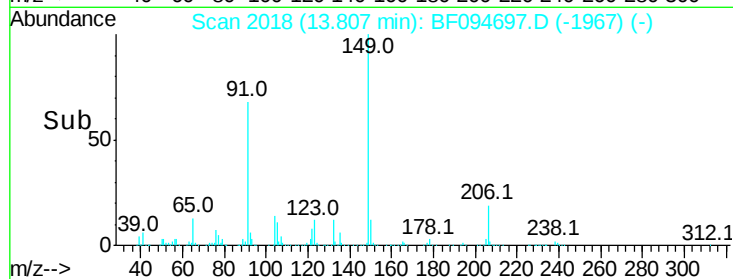
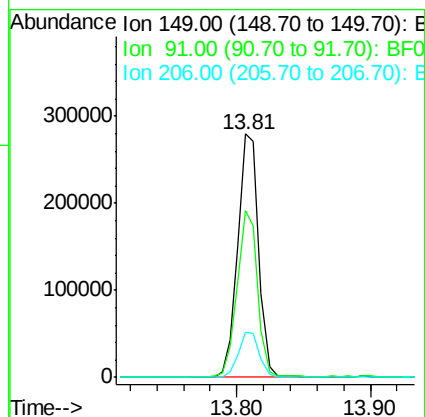
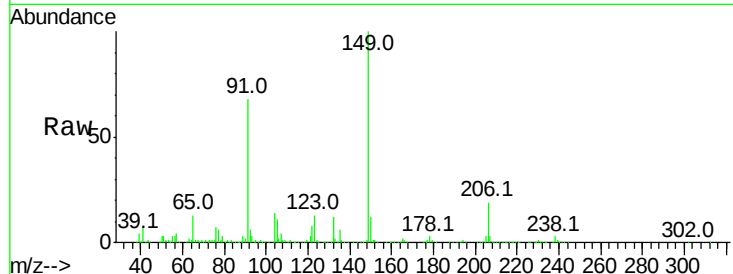
#79
Butylbenzylphthalate
Concen: 46.39 ng
RT: 13.81 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	305293		
91	68.3	45.0	67.4#	
206	18.7	17.0	25.6	

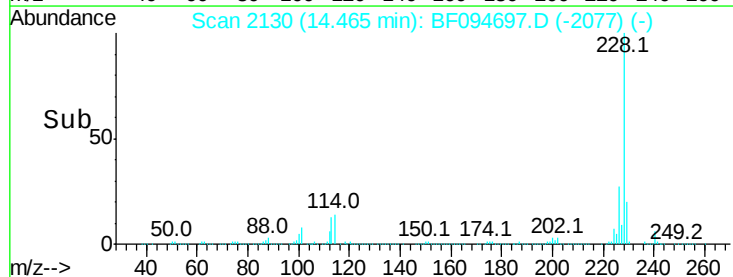
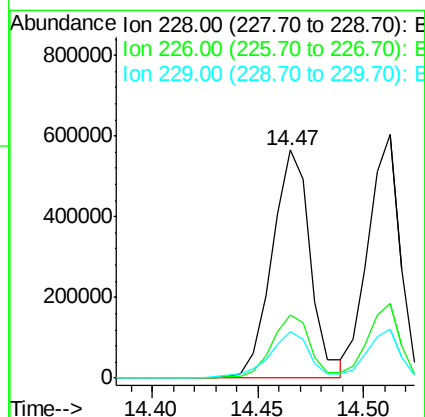
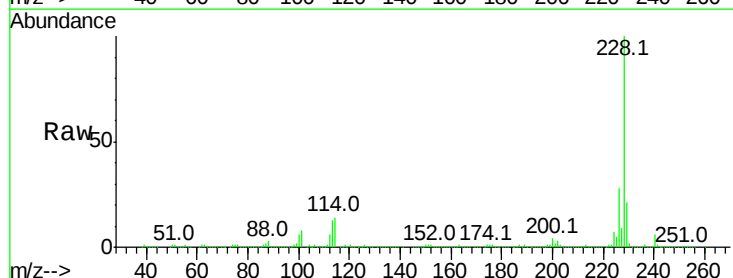
Manual Integrations
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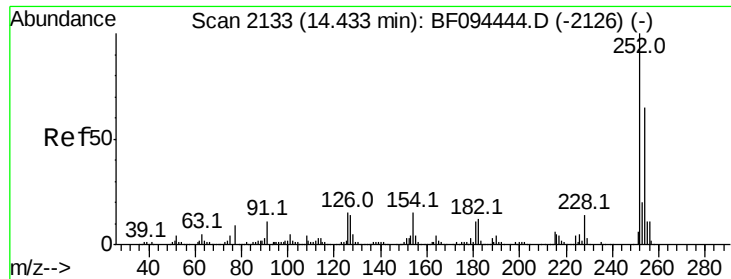
mohammad
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#80
Benzo(a)anthracene
Concen: 56.74 ng
RT: 14.47 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	708880		
226	27.6	22.6	33.8	
229	20.6	16.3	24.5	





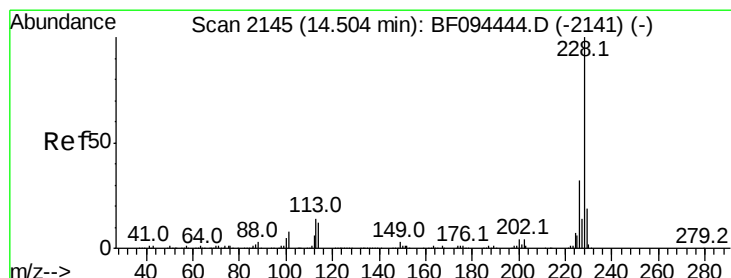
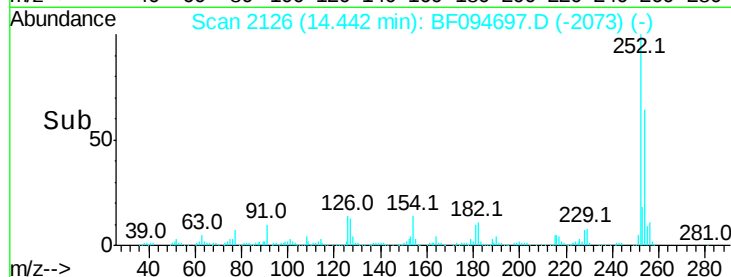
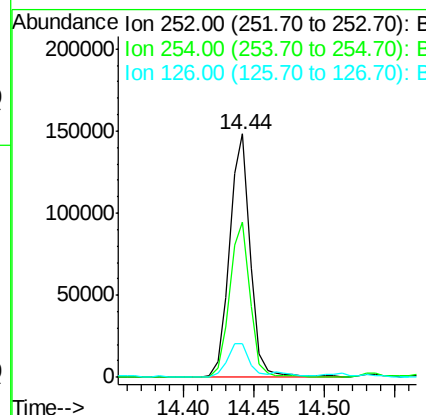
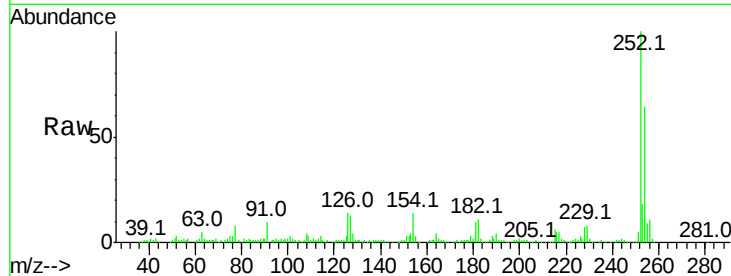
#81
 3,3'-Dichlorobenzidine
 Concen: 34.02 ng
 RT: 14.44 min Scan# 2126
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	63.7	51.5	77.3	
126	13.8	15.8	23.8	

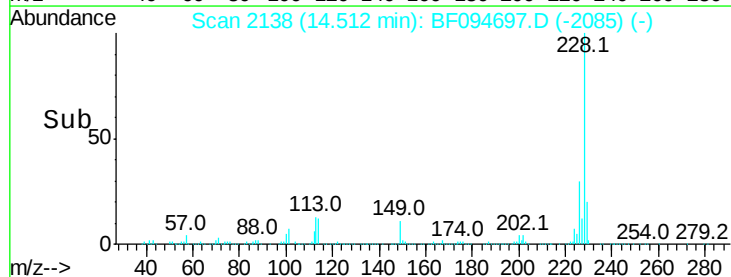
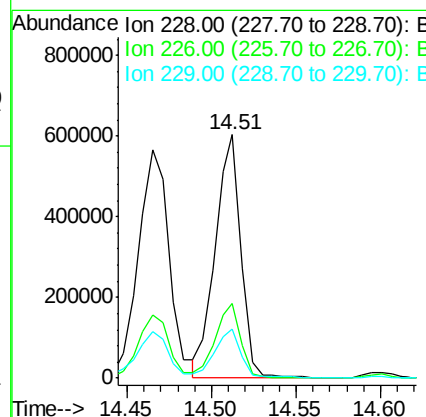
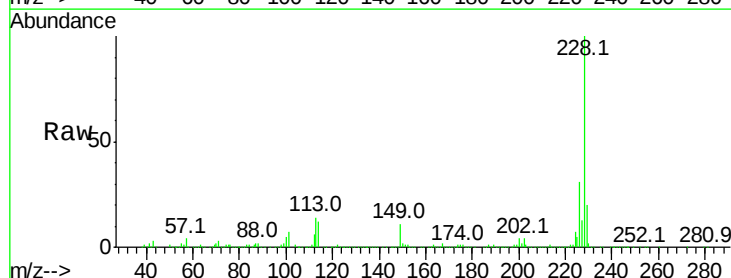
Manual Integrations
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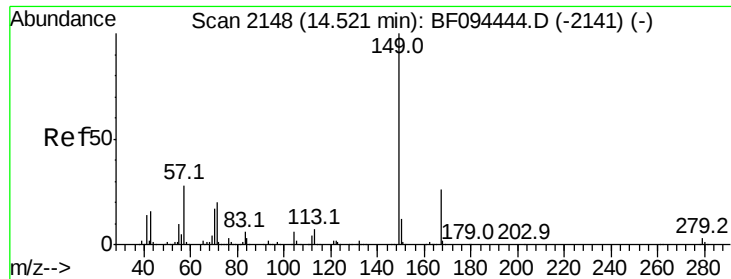
mohammad
 5/1/2017 6:40:36 PM



#82
 Chrysene
 Concen: 55.51 ng
 RT: 14.51 min Scan# 2138
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.5	24.9	37.3	
229	20.3	15.8	23.6	





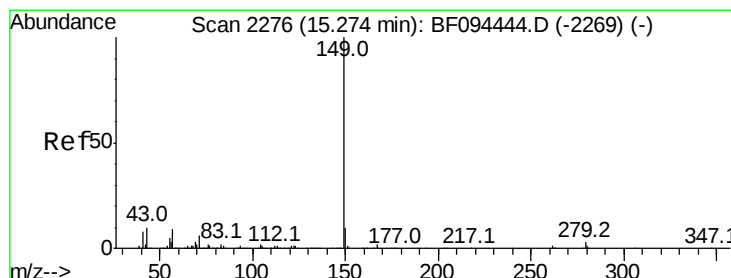
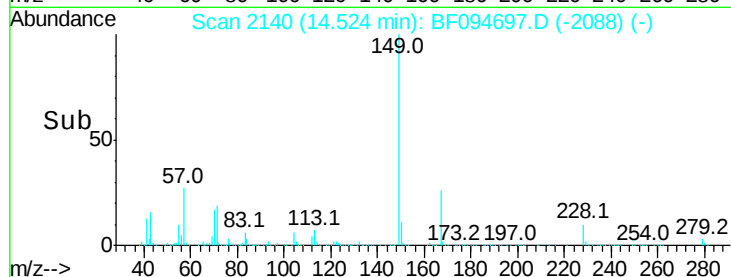
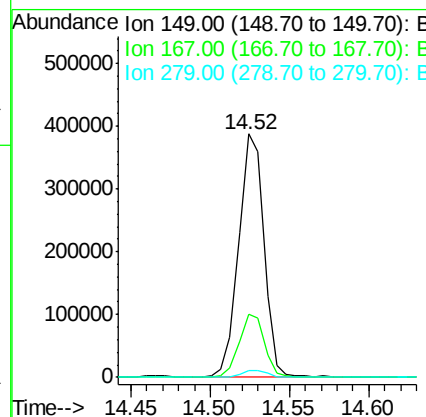
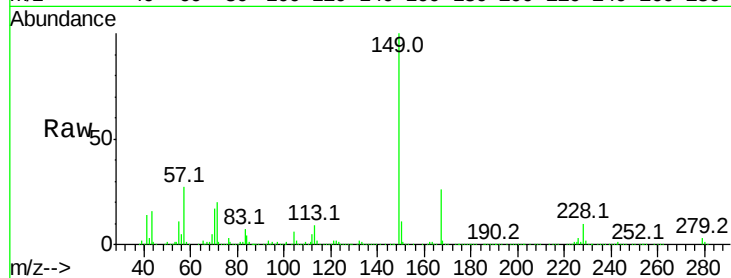
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.24 ng
 RT: 14.52 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	426271		
167	26.1	21.0	31.4	
279	3.0	1.9	2.9	

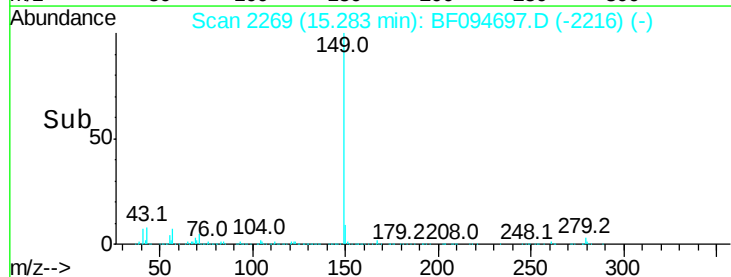
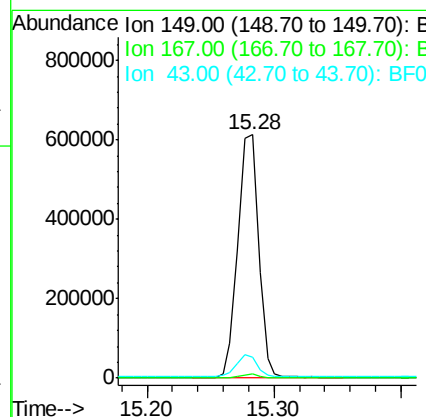
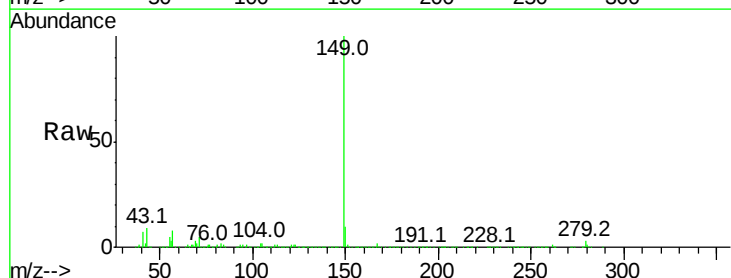
Manual Integrations
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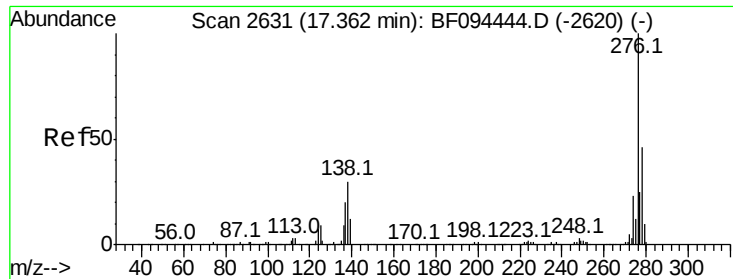
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#84
 Di-n-octyl phthalate
 Concen: 47.08 ng
 RT: 15.28 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	697828		
167	1.6	1.2	1.8	
43	9.1	8.5	12.7	





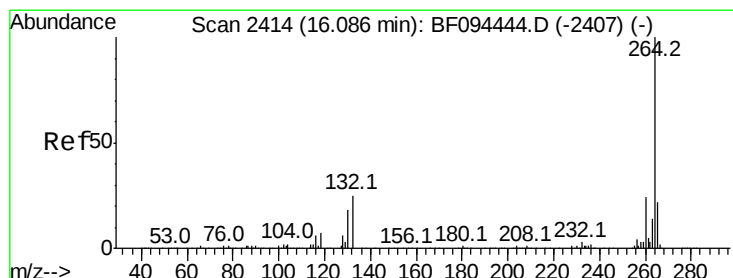
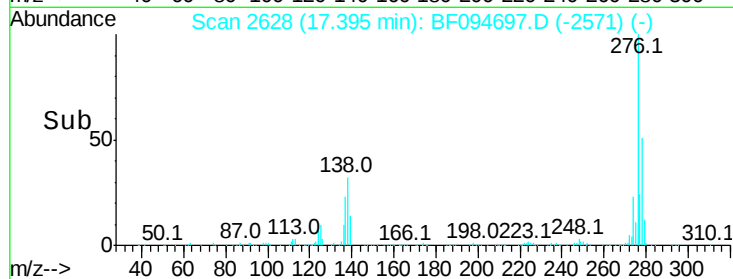
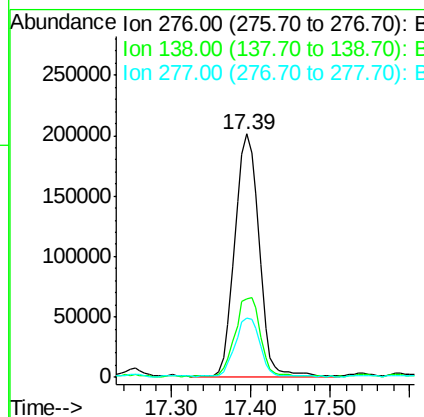
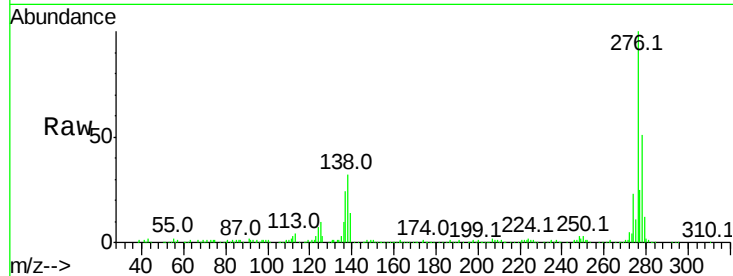
#85
Indeno(1,2,3-cd)pyrene
Concen: 39.21 ng
RT: 17.39 min Scan# 2628
Delta R.T. 0.03 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.5	27.8	41.6
277	24.9	20.2	30.4

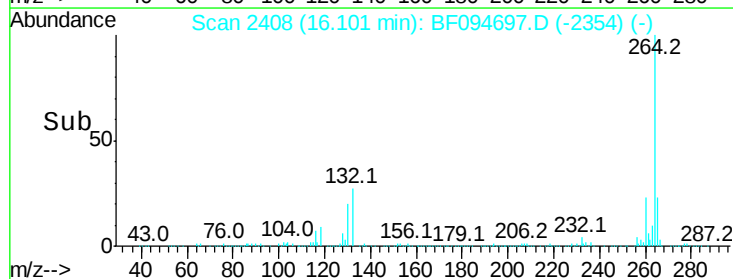
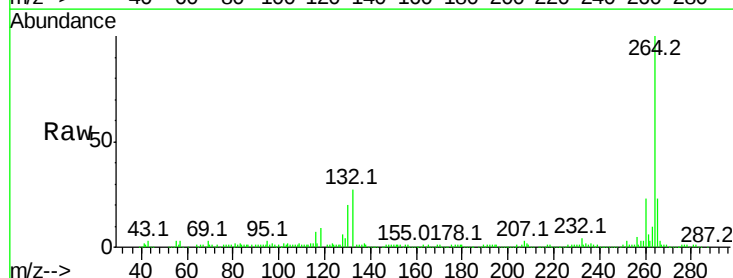
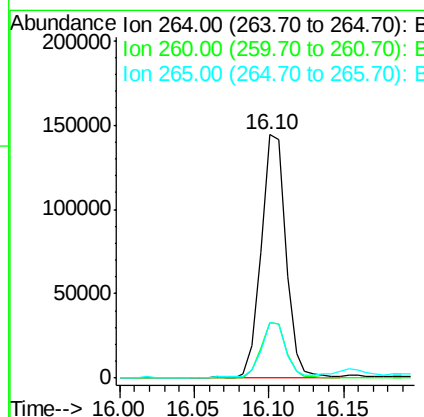
Manual Integrations
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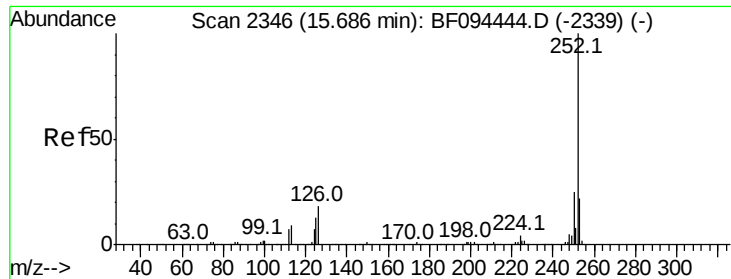
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.8	17.2	25.8





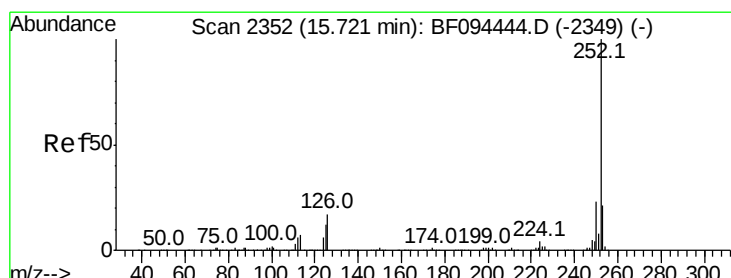
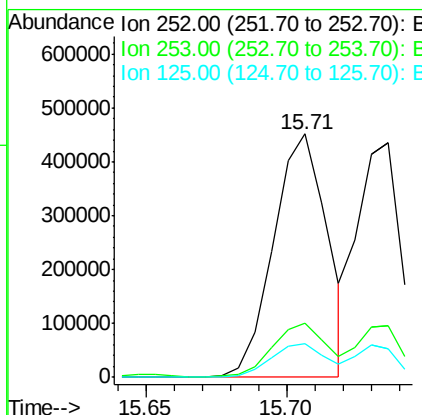
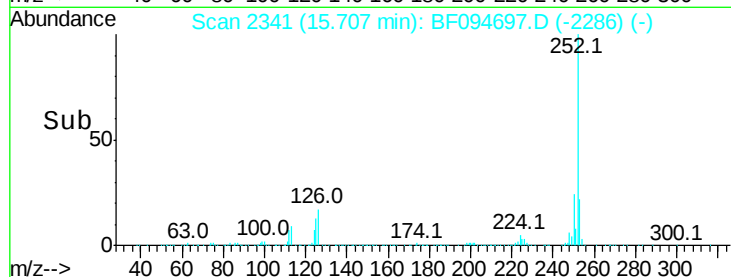
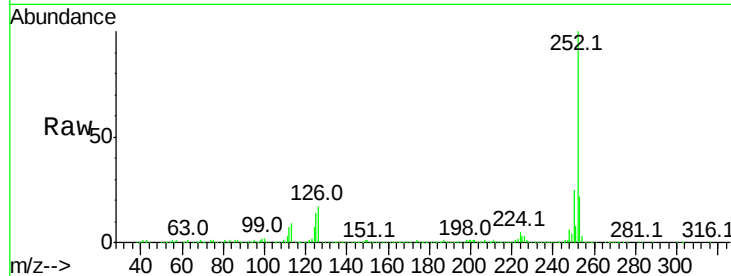
#87
Benzo(b)fluoranthene
Concen: 58.59 ng
RT: 15.71 min Scan# 2341
Delta R.T. 0.02 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.6	9.8	14.8

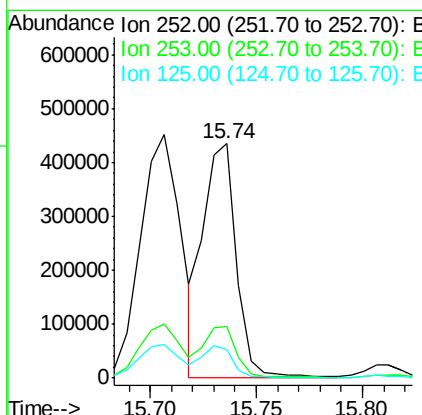
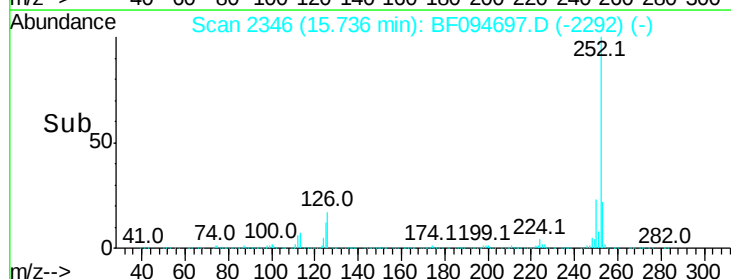
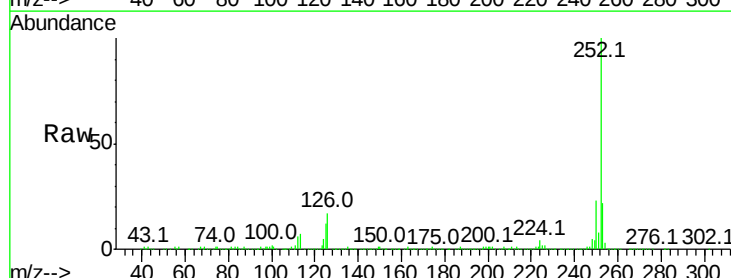
Manual Integrations
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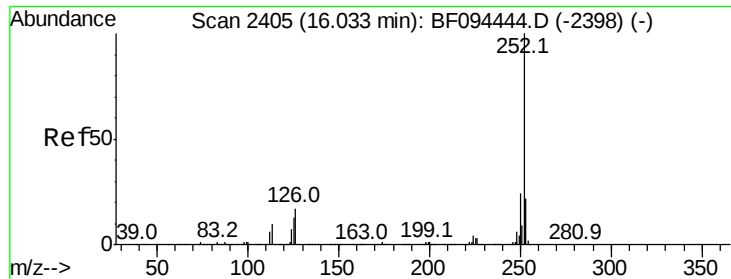
mohammad
5/1/2017 6:40:36 PM



#88
Benzo(k)fluoranthene
Concen: 49.54 ng m
RT: 15.74 min Scan# 2346
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	12.3	13.1	19.7#





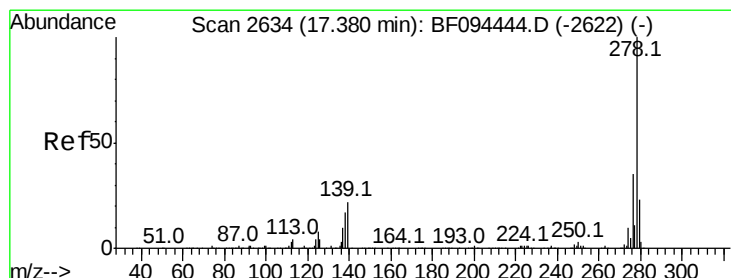
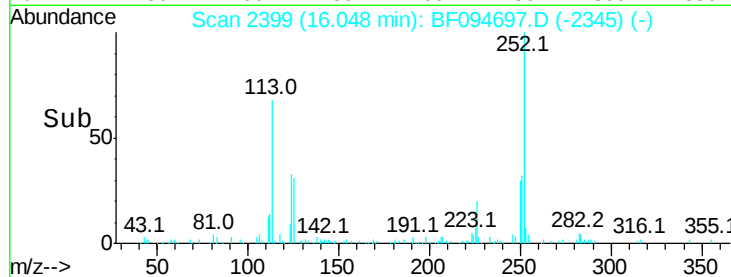
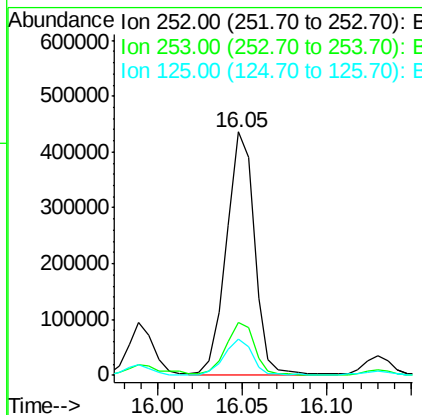
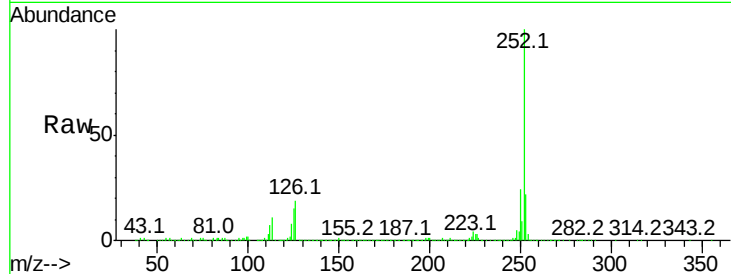
#89
Benzo(a)pyrene
Concen: 53.35 ng
RT: 16.05 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.1	11.0	16.4

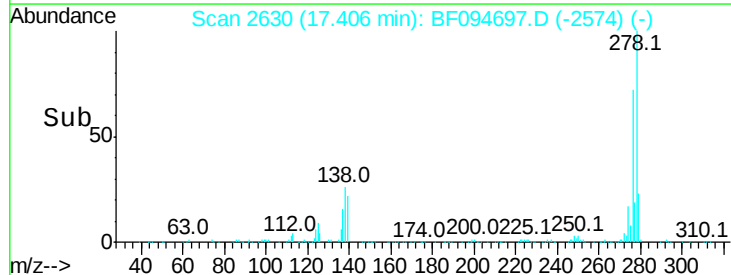
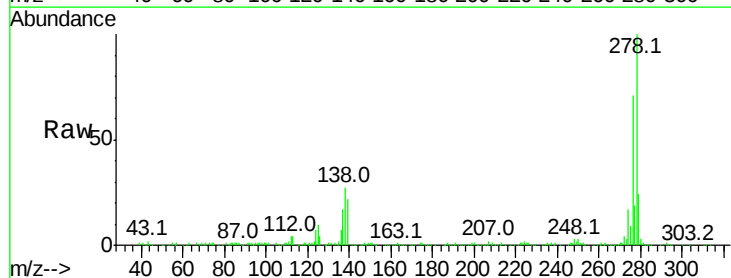
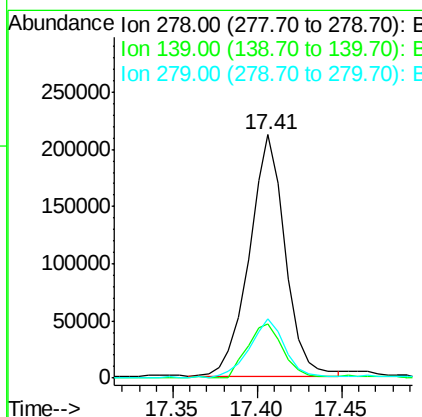
Manual Integrations
APPROVED

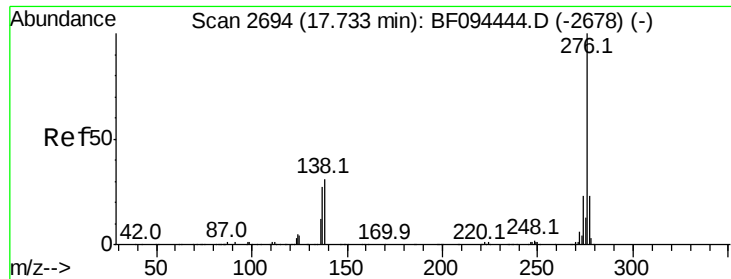
mohammad
5/1/2017 6:40:36 PM



#90
Dibenzo(a,h)anthracene
Concen: 39.58 ng
RT: 17.41 min Scan# 2630
Delta R.T. 0.03 min
Lab File: BF094697.D
Acq: 28 Apr 2017 21:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	16.6	24.8
279	24.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 44.86 ng
 RT: 17.77 min Scan# 2692
 Delta R.T. 0.04 min
 Lab File: BF094697.D
 Acq: 28 Apr 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-9-COMPMS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	29.3	25.4	38.0

Manual Integrations
 APPROVED

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 5/1/2017 6:40:36 PM

