

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094397.D
 Acq On : 13 Apr 2017 18:23
 Operator : SJ/MA
 Sample : I2670-03MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Manual Integrations
 APPROVED

mohammad
 4/14/2017 1:37:07 PM

Quant Time: Apr 14 02:06:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	150641	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	614048	20.00	ng	-0.04
38) Acenaphthene-d10	9.43	164	289003	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	492863	20.00	ng	-0.04
75) Chrysene-d12	14.50	240	388751	20.00	ng	-0.05
86) Perylene-d12	16.12	264	308004	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	4.36	112	1075651	120.60	ng	-0.02
7) Phenol-d6	5.43	99	1274158	115.48	ng	-0.04
23) Nitrobenzene-d5	6.45	82	980750	91.15	ng	-0.04
41) 2,4,6-Tribromophenol	10.41	330	337280	147.69	ng	-0.04
44) 2-Fluorobiphenyl	8.62	172	1795618	94.77	ng	-0.04
78) Terphenyl-d14	13.23	244	1511190	87.13	ng	-0.04

Target Compounds						Qvalue
2) 1,4-Dioxane	2.26	88	143879	33.58	ng	# 82
3) Pyridine	2.72	79	374602	32.08	ng	98
4) n-Nitrosodimethylamine	2.66	42	186765	38.87	ng	88
6) Aniline	5.42	93	216406	14.10	ng	# 76
8) 2-Chlorophenol	5.56	128	444512	45.34	ng	98
9) Benzaldehyde	5.28	77	96111	12.90	ng	97
10) Phenol	5.44	94	447632	35.65	ng	95
11) bis(2-Chloroethyl)ether	5.50	93	457906	46.67	ng	97
12) 1,3-Dichlorobenzene	5.72	146	482263	43.86	ng	99
13) 1,4-Dichlorobenzene	5.81	146	484309	43.48	ng	97
14) 1,2-Dichlorobenzene	5.99	146	443270	43.22	ng	96
15) Benzyl Alcohol	5.97	79	355378	44.01	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.12	45	569616	37.67	ng	# 27
17) 2-Methylphenol	6.12	107	356037	42.41	ng	# 87
18) Hexachloroethane	6.37	117	173572	44.34	ng	# 87
19) n-Nitroso-di-n-propylamine	6.28	70	335921	47.37	ng	96
20) 3+4-Methylphenols	6.30	107	501134	49.28	ng	# 63
22) Acetophenone	6.27	105	670330	48.98	ng	# 85
24) Nitrobenzene	6.46	77	471406	44.42	ng	95
25) Isophorone	6.75	82	865418	45.77	ng	97
26) 2-Nitrophenol	6.84	139	263837	52.13	ng	97
27) 2,4-Dimethylphenol	6.92	122	410968	47.13	ng	98
28) bis(2-Chloroethoxy)methane	7.02	93	563525	45.20	ng	99
29) 2,4-Dichlorophenol	7.15	162	399267	48.97	ng	98
30) 1,2,4-Trichlorobenzene	7.23	180	395569	47.11	ng	99
31) Naphthalene	7.32	128	1377227	46.65	ng	100
32) Benzoic acid	7.11	122	218747	37.68	ng	96
33) 4-Chloroaniline	7.39	127	174740	14.60	ng	# 93
34) Hexachlorobutadiene	7.47	225	200630	46.59	ng	98
35) Caprolactam	7.85	113	93816m	36.08	ng	
36) 4-Chloro-3-methylphenol	8.03	107	426386	50.05	ng	90
37) 2-Methylnaphthalene	8.16	142	943983	47.96	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.37	216	357068	45.16	ng	100
40) Hexachlorocyclopentadiene	8.35	237	335453	90.67	ng	99

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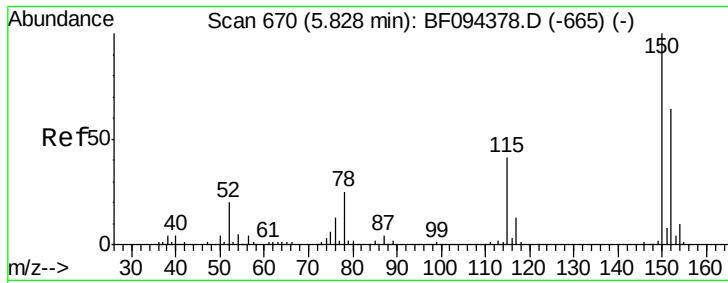
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.52	196	271771	48.59	nq	97
43) 2,4,5-Trichlorophenol	8.58	196	280772	46.39	nq	94
45) 1,1'-Biphenyl	8.73	154	1044561	44.81	nq	98
46) 2-Chloronaphthalene	8.75	162	837673	45.91	nq	95
47) 2-Nitroaniline	8.89	65	248863	45.97	nq	# 83
48) Acenaphthylene	9.26	152	1293717	42.66	nq	99
49) Dimethylphthalate	9.13	163	1011062	49.22	nq	100
50) 2,6-Dinitrotoluene	9.19	165	233071	49.49	nq	# 89
51) Acenaphthene	9.47	154	794482	44.90	nq	99
52) 3-Nitroaniline	9.39	138	134184	24.26	nq	91
53) 2,4-Dinitrophenol	9.53	184	233793	92.03	nq	# 73
54) Dibenzofuran	9.69	168	1134937	47.11	nq	99
55) 4-Nitrophenol	9.66	139	374016m	86.36	nq	
56) 2,4-Dinitrotoluene	9.69	165	272957	46.14	nq	# 88
57) Fluorene	10.10	166	882662	44.19	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.85	232	201547	48.53	nq	97
59) Diethylphthalate	10.00	149	971113	47.83	nq	99
60) 4-Chlorophenyl-phenylether	10.11	204	378417	44.47	nq	96
61) 4-Nitroaniline	10.16	138	227356	42.84	nq	96
62) Azobenzene	10.31	77	912935	47.53	nq	94
64) 4,6-Dinitro-2-methylphenol	10.20	198	160155	53.06	nq	# 64
65) n-Nitrosodiphenylamine	10.27	169	817115	47.94	nq	99
66) 4-Bromophenyl-phenylether	10.71	248	235865	48.66	nq	98
67) Hexachlorobenzene	10.78	284	238202	48.54	nq	# 85
68) Atrazine	10.95	200	244270	47.85	nq	96
69) Pentachlorophenol	11.04	266	218845	71.65	nq	98
70) Phenanthrene	11.29	178	1287822	46.97	nq	98
71) Anthracene	11.35	178	1319191	46.73	nq	99
72) Carbazole	11.56	167	1262340	43.61	nq	98
73) Di-n-butylphthalate	12.00	149	1478852	49.12	nq	98
74) Fluoranthene	12.74	202	1297584	46.22	nq	99
76) Benzidine	12.91	184	329460	21.41	nq	# 93
77) Pyrene	13.02	202	1305197	46.26	nq	99
79) Butylbenzylphthalate	13.84	149	624585	51.96	nq	88
80) Benzo(a)anthracene	14.49	228	1074368	47.39	nq	98
81) 3,3'-Dichlorobenzidine	14.46	252	181625	22.41	nq	# 96
82) Chrysene	14.53	228	963591	45.80	nq	99
83) Bis(2-ethylhexyl)phthalate	14.55	149	873101	53.24	nq	# 100
84) Di-n-octyl phthalate	15.30	149	1428928	52.15	nq	97
85) Indeno(1,2,3-cd)pyrene	17.41	276	823344	45.19	nq	99
87) Benzo(b)fluoranthene	15.72	252	891308	47.21	nq	99
88) Benzo(k)fluoranthene	15.75	252	860055m	46.56	nq	
89) Benzo(a)pyrene	16.06	252	819317	47.13	nq	100
90) Dibenzo(a,h)anthracene	17.43	278	693250	47.08	nq	98
91) Benzo(g,h,i)perylene	17.79	276	694343	46.79	nq	98

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



#1

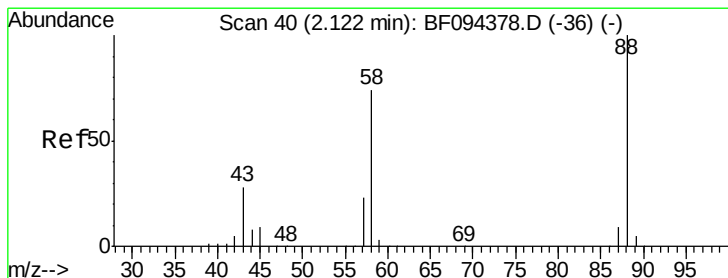
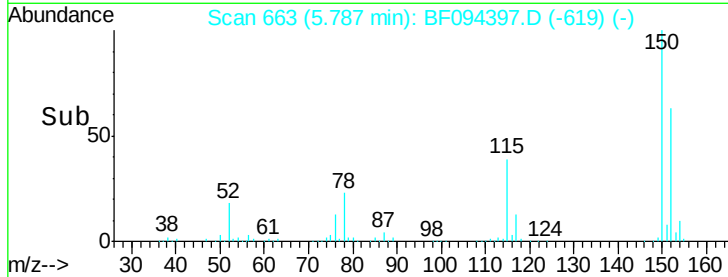
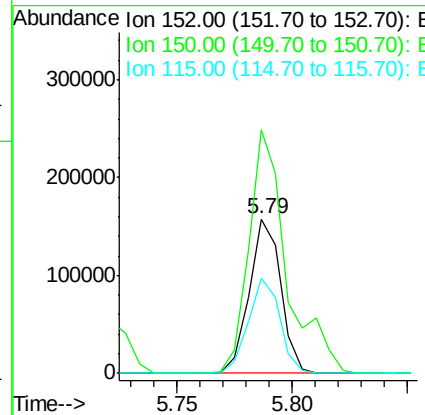
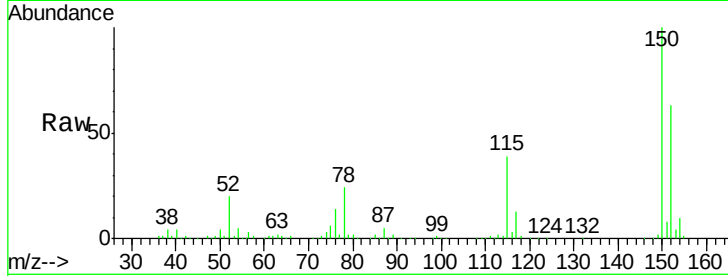
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	62.0	52.2	78.2

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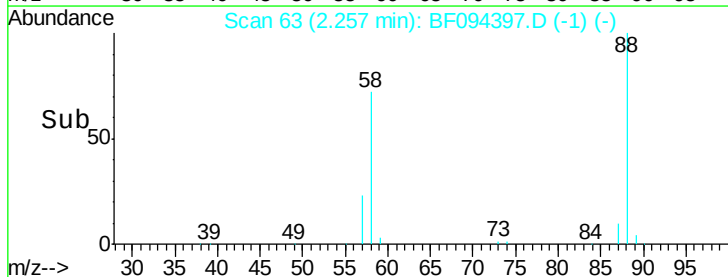
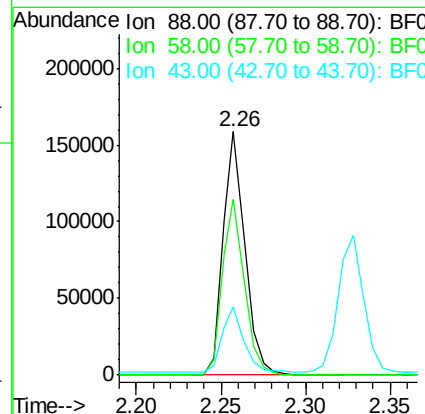
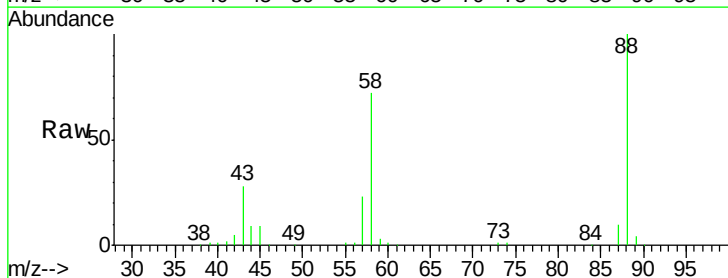
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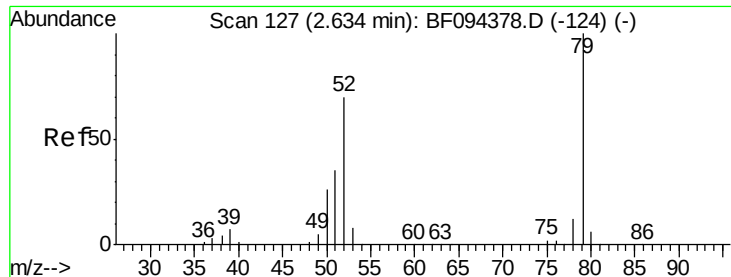


#2

1,4-Dioxane
Concen: 33.58 ng
RT: 2.26 min Scan# 63
Delta R.T. 0.14 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.6	61.4	92.0
43	0.0	23.4	35.0





#3

Pvridine

Concen: 32.08 ng

RT: 2.72 min Scan# 142

Delta R.T. 0.09 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

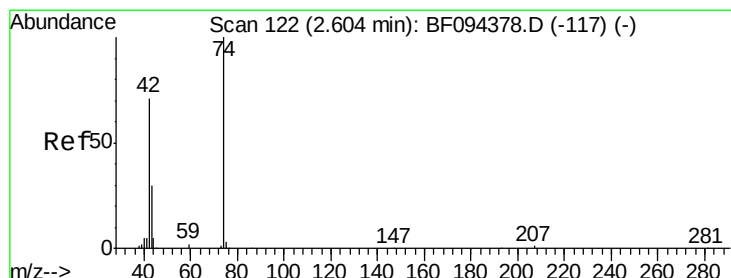
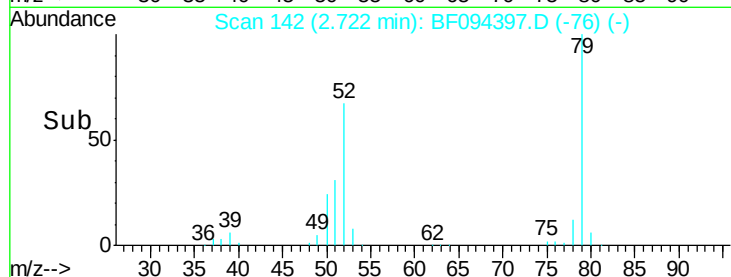
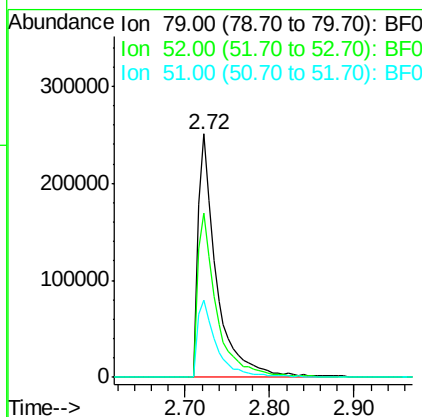
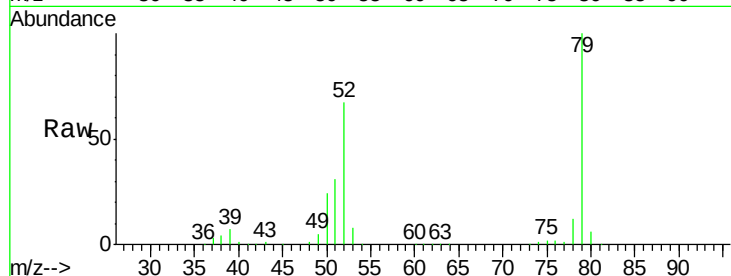
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:	79	Resp:	374602
Ion	Ratio	Lower	Upper
79	100		
52	67.3	54.8	82.2
51	31.5	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 38.87 ng

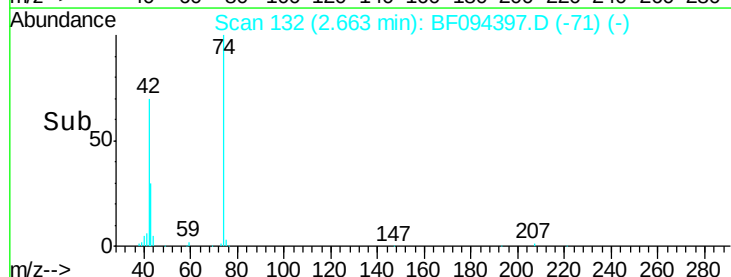
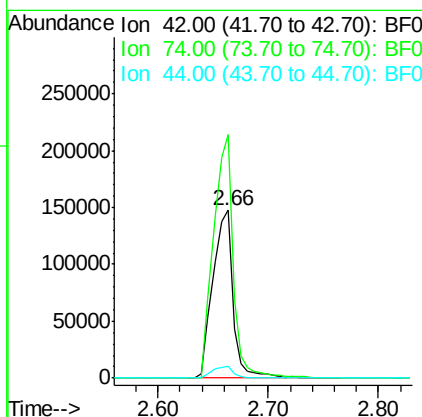
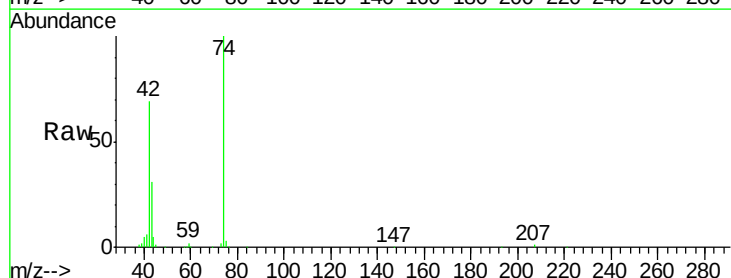
RT: 2.66 min Scan# 132

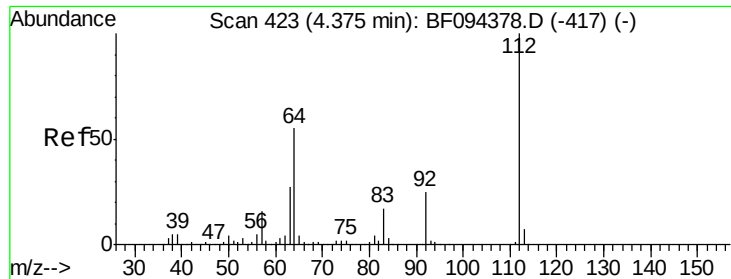
Delta R.T. 0.06 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion:	42	Resp:	186765
Ion	Ratio	Lower	Upper
42	100		
74	145.2	103.9	155.9
44	7.4	5.7	8.5





#5

2-Fluorophenol

Concen: 120.60 ng

RT: 4.36 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

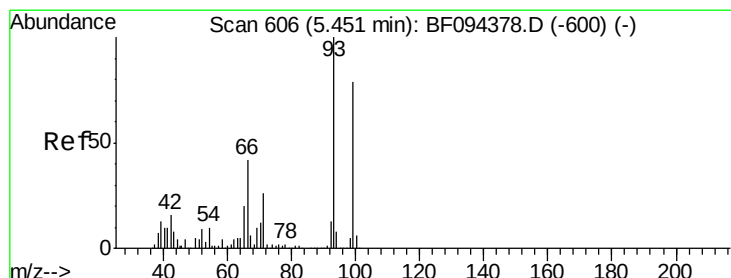
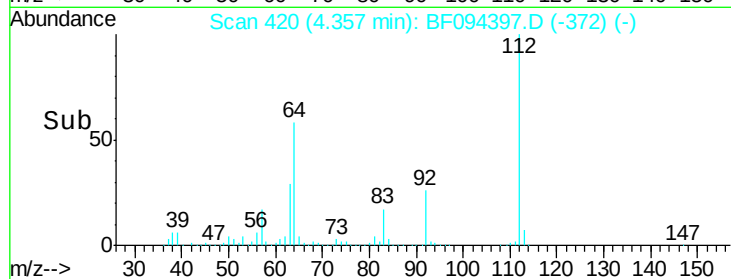
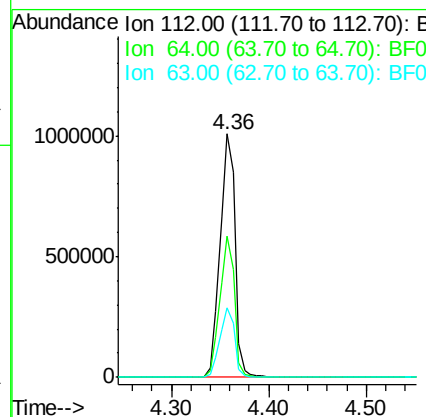
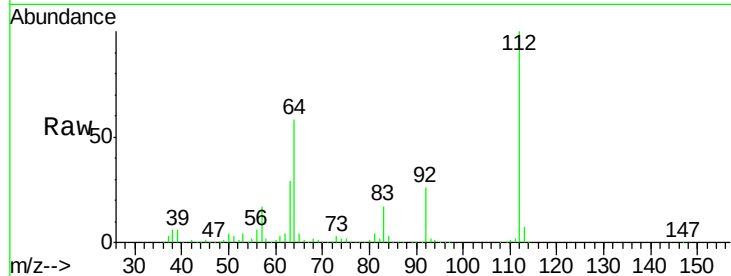
ClientSampled :

ROLL-OFF-R4MS

Tot Ion:	112	Resp:	1075651
Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.0	69.0
63	28.8	23.4	35.0

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#6

Aniline

Concen: 14.10 ng

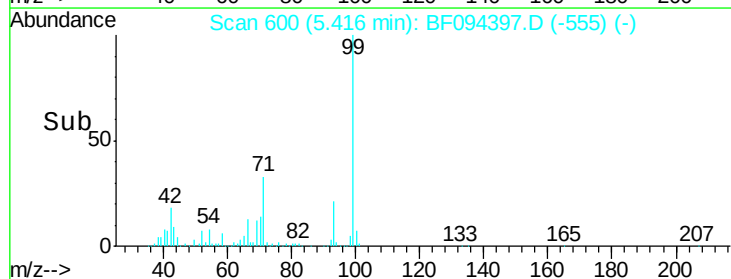
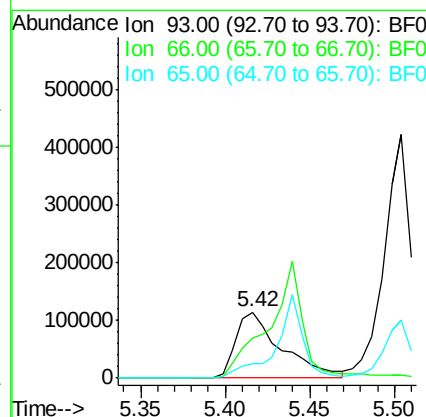
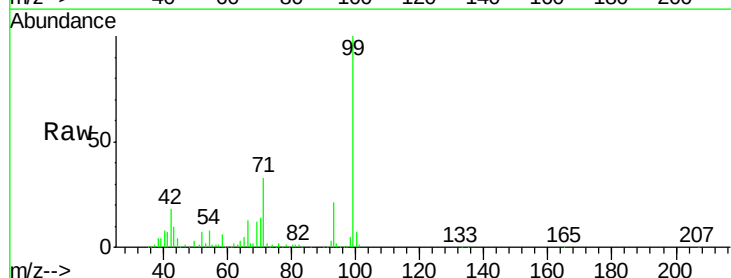
RT: 5.42 min Scan# 600

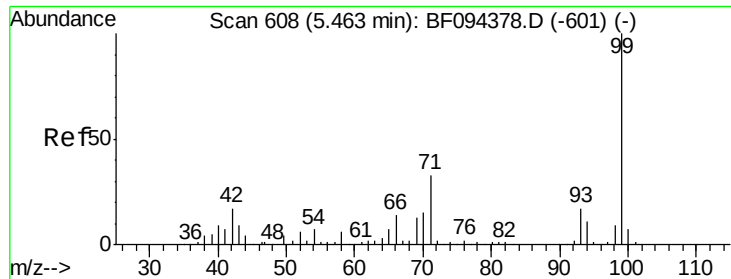
Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion:	93	Resp:	216406
Ion	Ratio	Lower	Upper
93	100		
66	61.3	32.9	49.3#
65	22.6	16.0	24.0





#7

Phenol-d6

Concen: 115.48 ng

RT: 5.43 min Scan# 602

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MS

Tot Ion: 99 Resp: 1274158

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

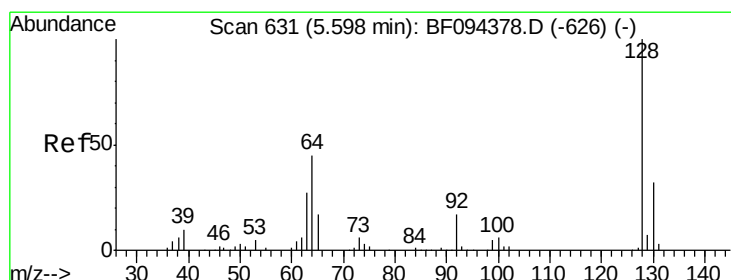
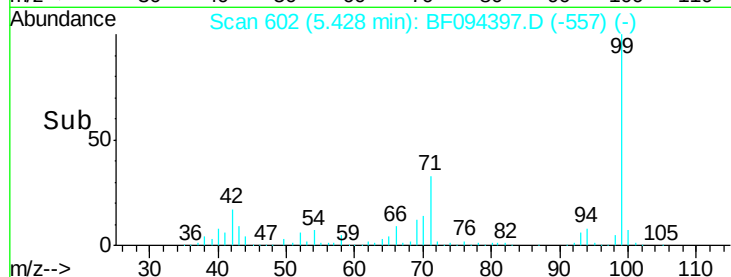
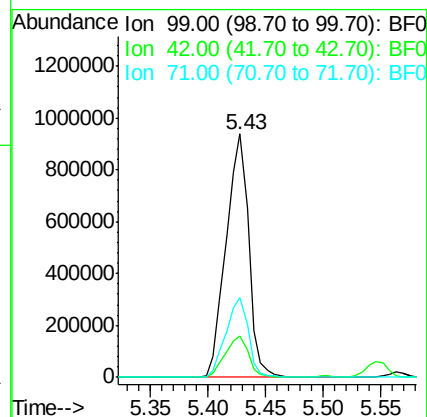
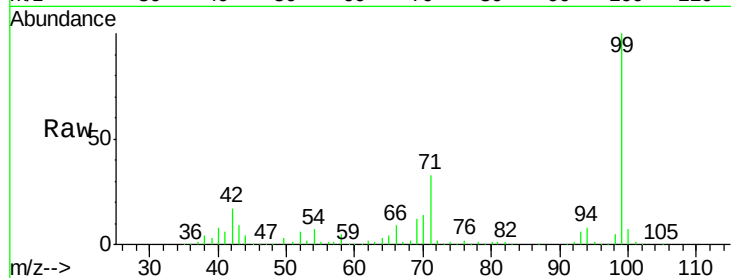
71 33.0 24.5 36.7

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#8

2-Chlorophenol

Concen: 45.34 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

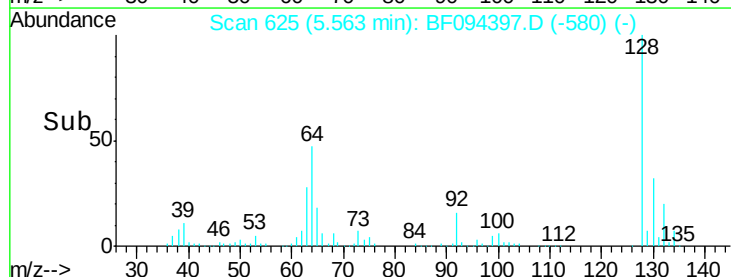
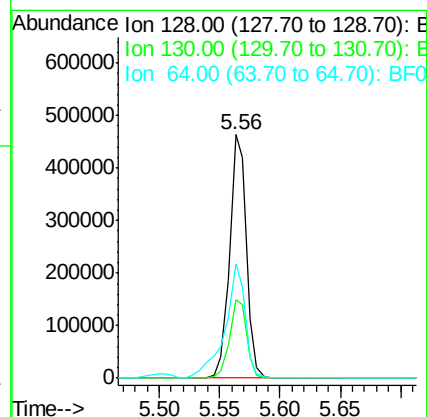
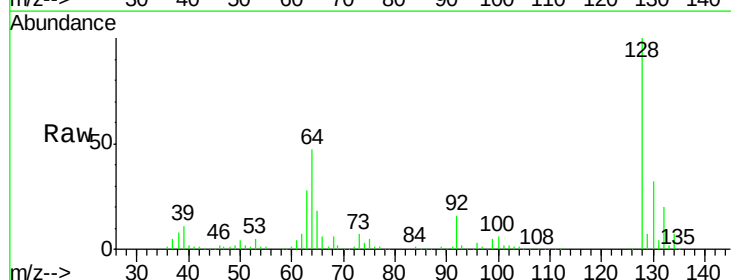
Tgt Ion: 128 Resp: 444512

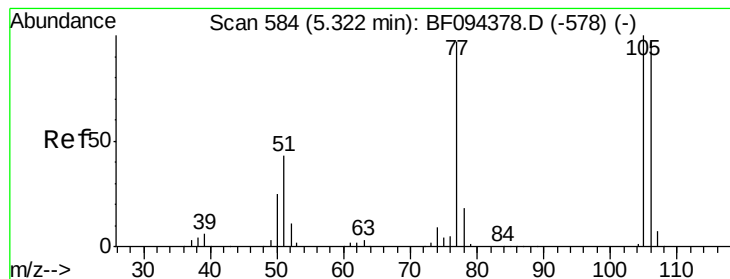
Ion Ratio Lower Upper

128 100

130 32.3 12.9 52.9

64 47.2 28.4 68.4





#9

Benzaldehyde

Concen: 12.90 ng

RT: 5.28 min Scan# 577

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

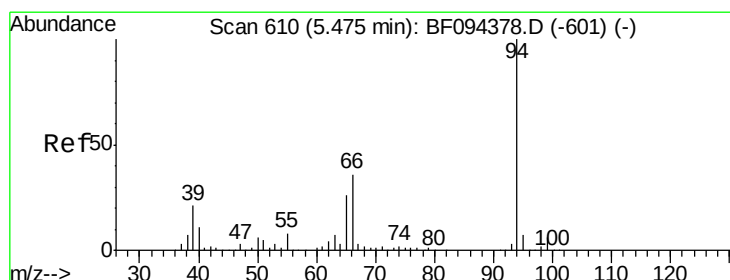
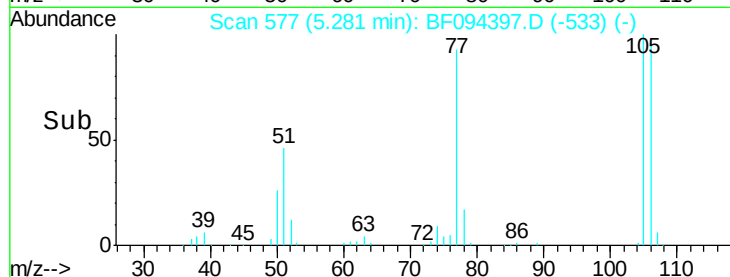
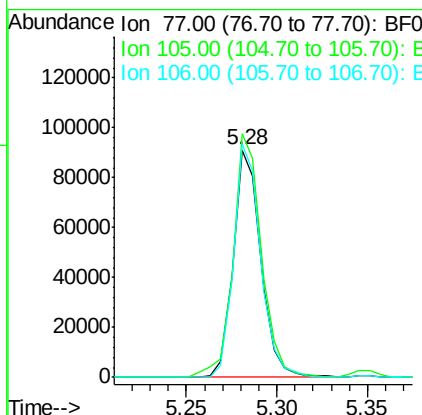
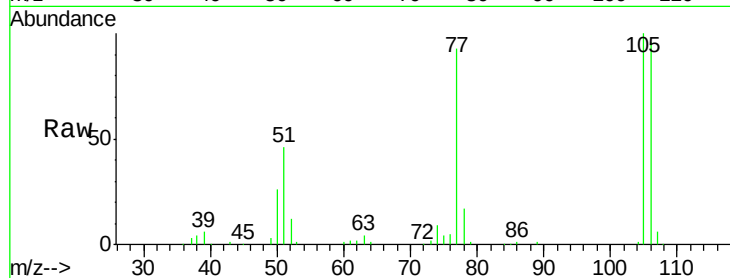
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	107.1	83.8	123.8		
106	102.4	79.1	119.1		

Manual Integrations
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#10

Phenol

Concen: 35.65 ng

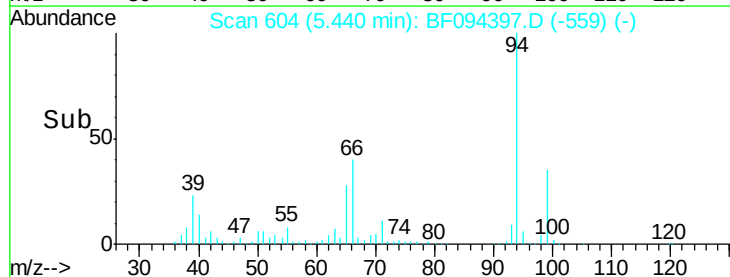
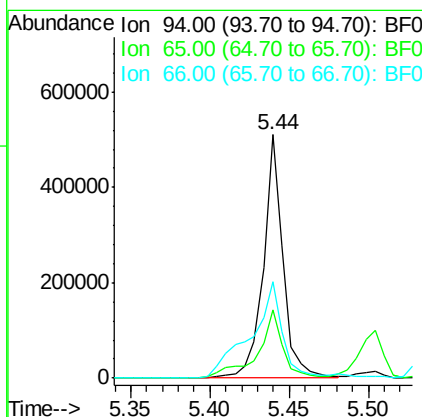
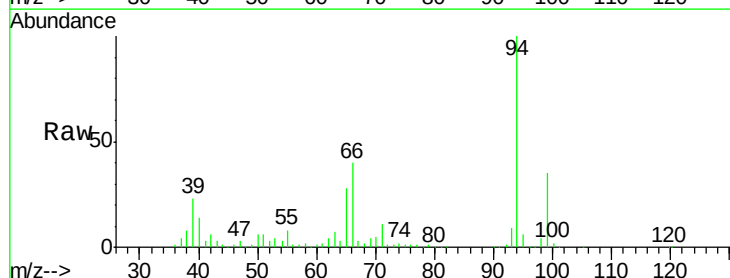
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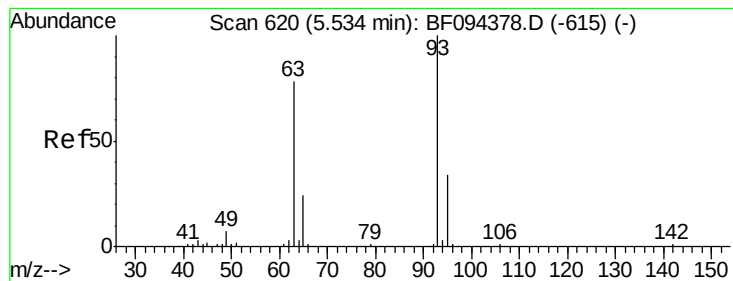
Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	28.2	9.9	49.9		
66	39.6	23.1	63.1		





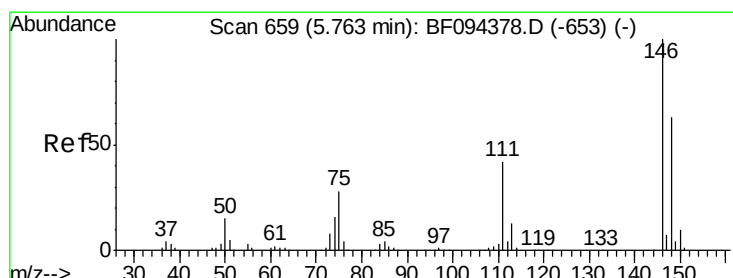
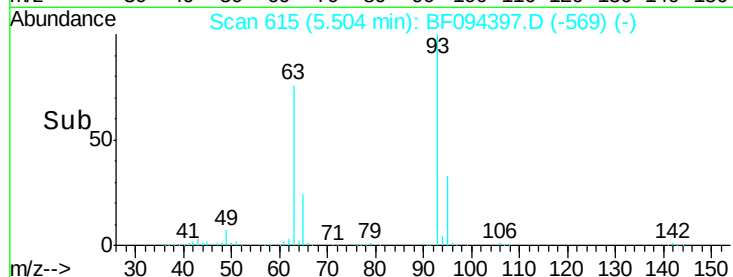
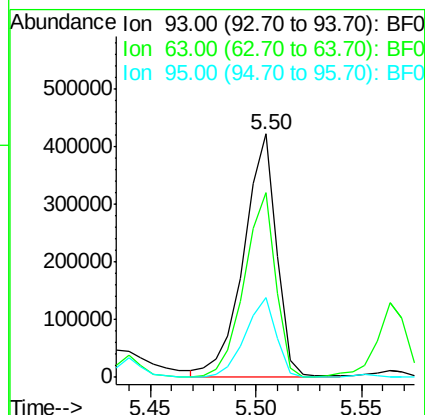
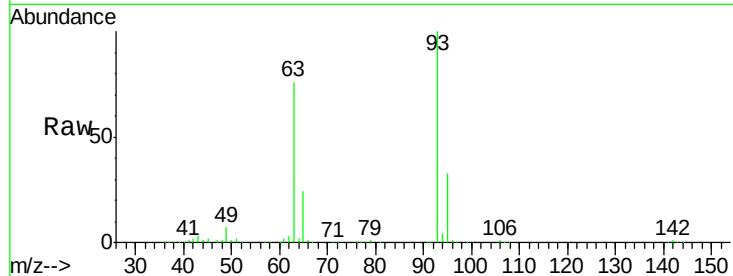
#11
bis(2-Chloroethyl)ether
Concen: 46.67 ng
RT: 5.50 min Scan# 615
Delta R.T. -0.03 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.0	59.2	99.2
95	32.5	12.8	52.8

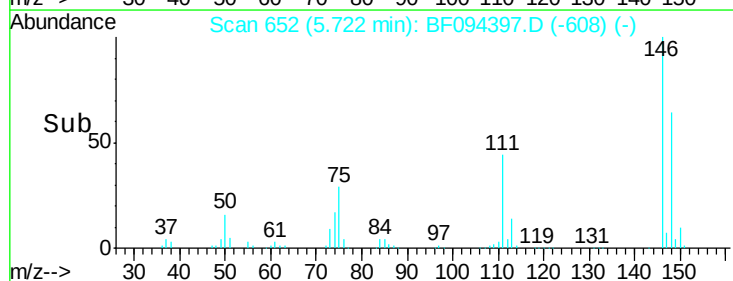
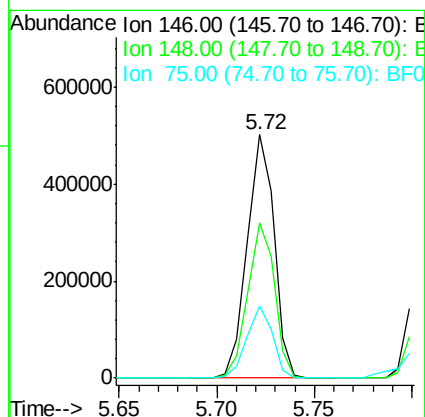
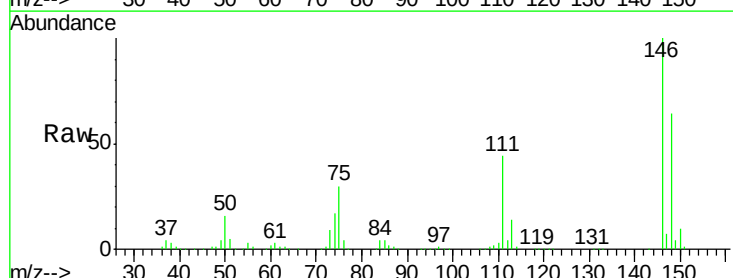
Manual Integrations
APPROVED

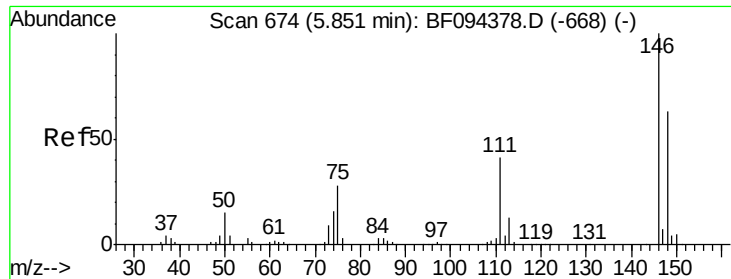
mohammad
4/14/2017 1:37:07 PM



#12
1,3-Dichlorobenzene
Concen: 43.86 ng
RT: 5.72 min Scan# 652
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	29.6	23.1	34.7





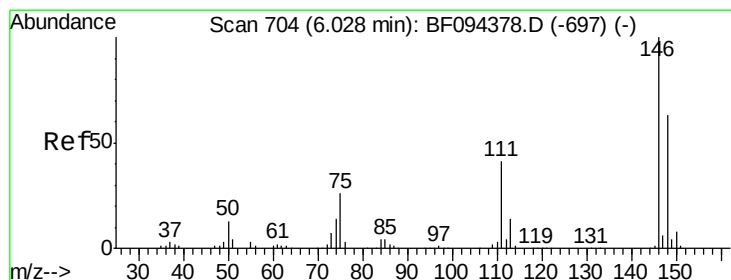
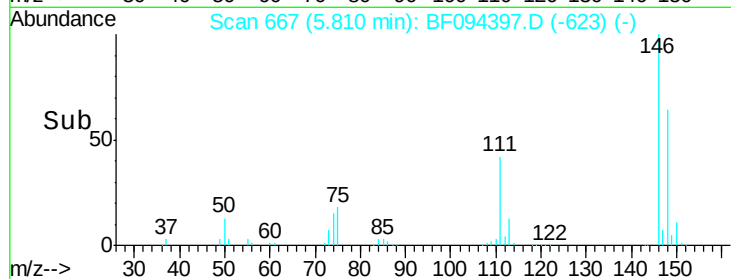
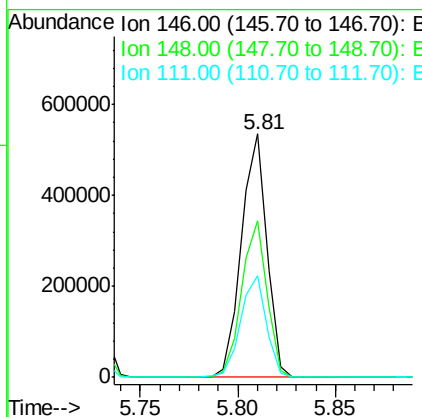
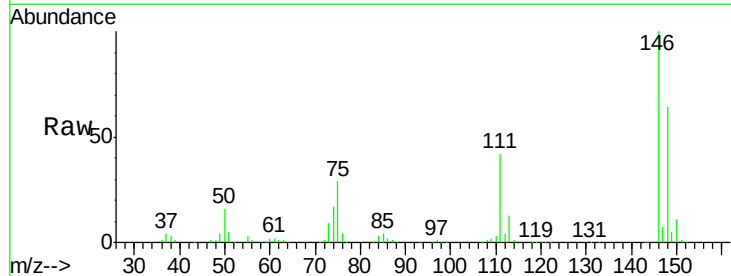
#13
 1,4-Dichlorobenzene
 Concen: 43.48 ng
 RT: 5.81 min Scan# 667
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.2	78.2
111	41.6	30.3	45.5

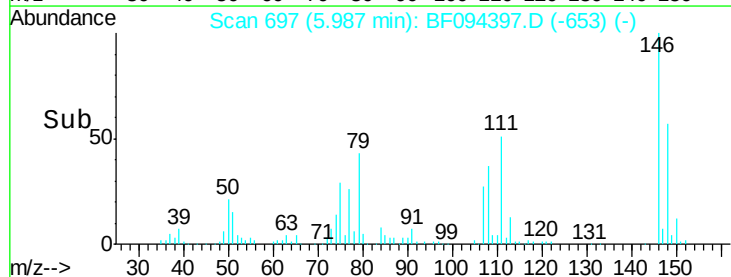
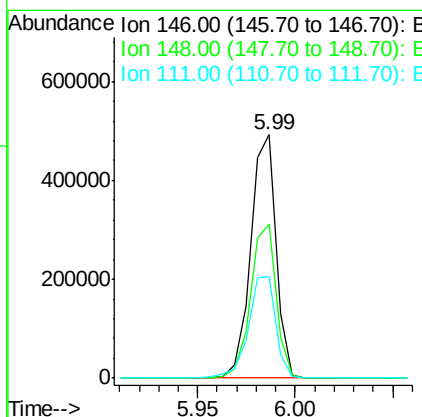
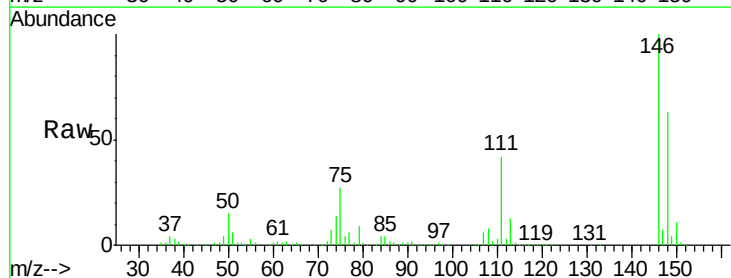
Manual Integrations
 APPROVED

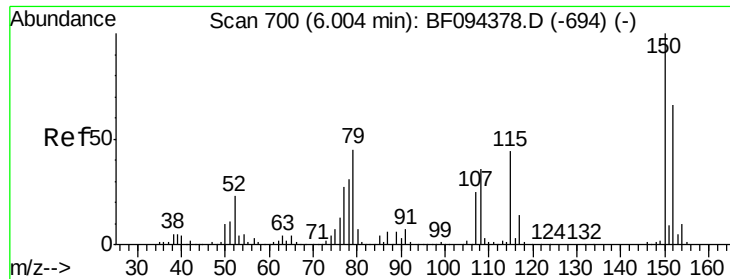
mohammad
 4/14/2017 1:37:07 PM



#14
 1,2-Dichlorobenzene
 Concen: 43.22 ng
 RT: 5.99 min Scan# 697
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.4	75.6
111	41.6	38.2	57.4





#15

Benzyl Alcohol

Concen: 44.01 ng

RT: 5.97 min Scan# 694

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MS

Tot Ion: 79 Resp: 355378

Ion Ratio Lower Upper

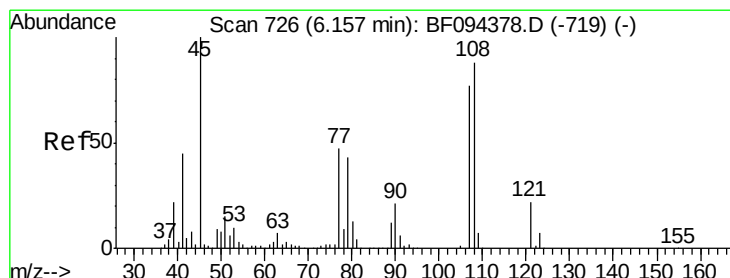
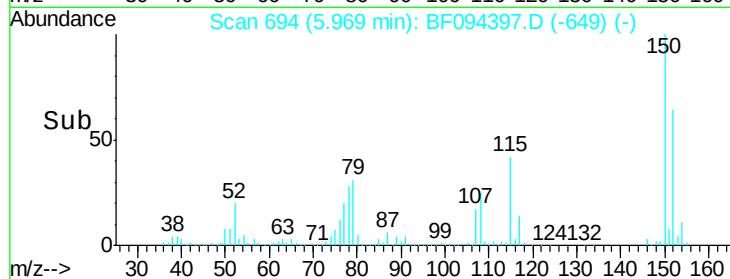
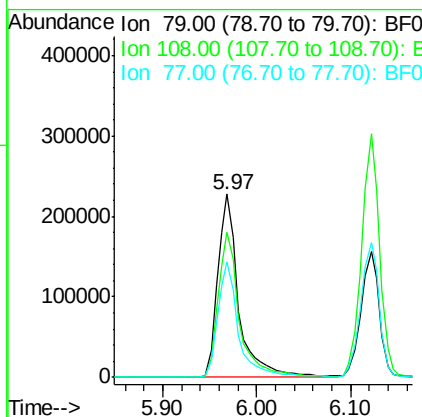
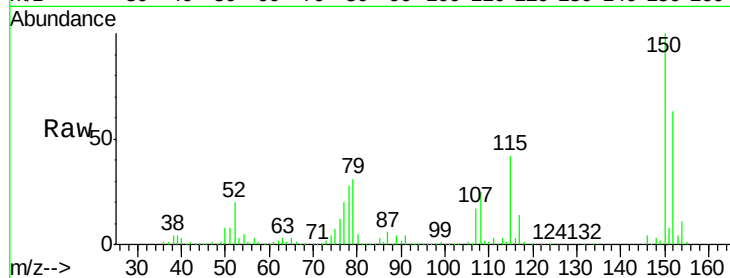
79 100

108 79.2 63.4 95.0

77 62.9 49.2 73.8

Manual Integrations
APPROVED

mohammad
4/14/2017 1:37:07 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.67 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

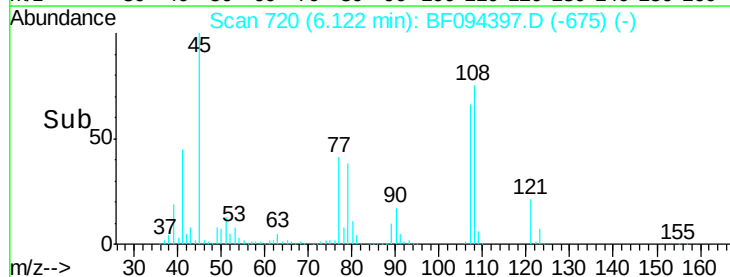
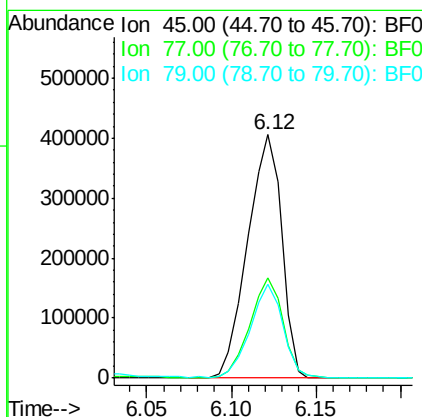
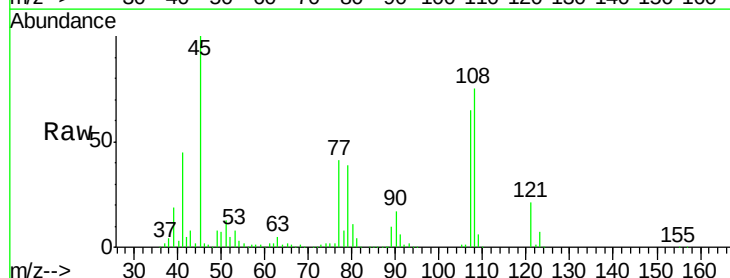
Tgt Ion: 45 Resp: 569616

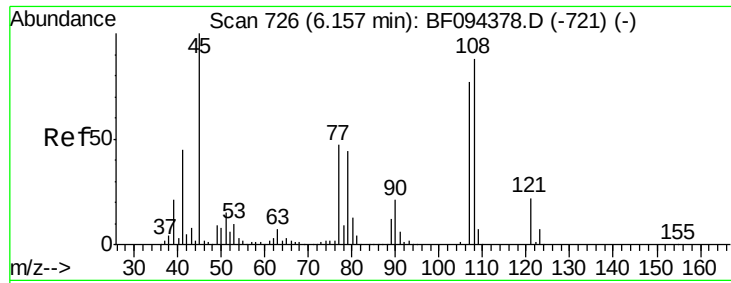
Ion Ratio Lower Upper

45 100

77 41.1 0.0 33.2#

79 38.6 0.0 30.0#





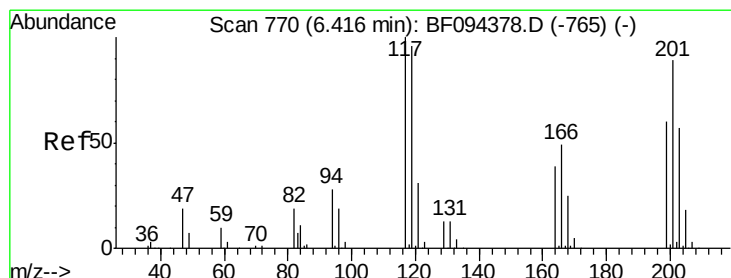
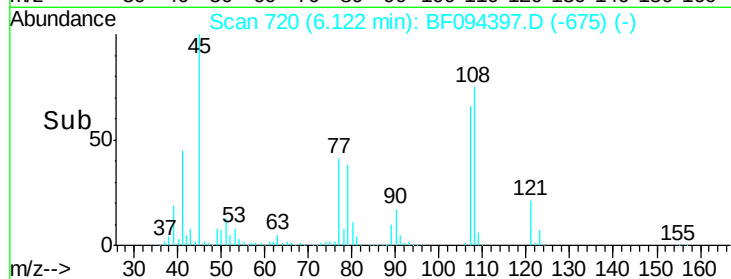
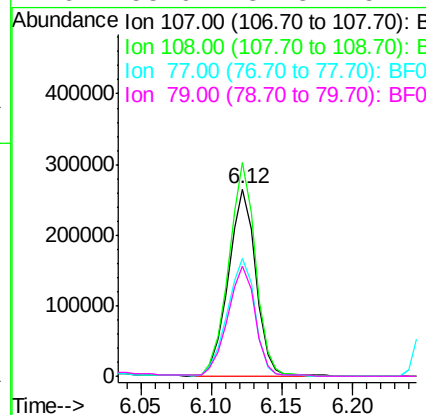
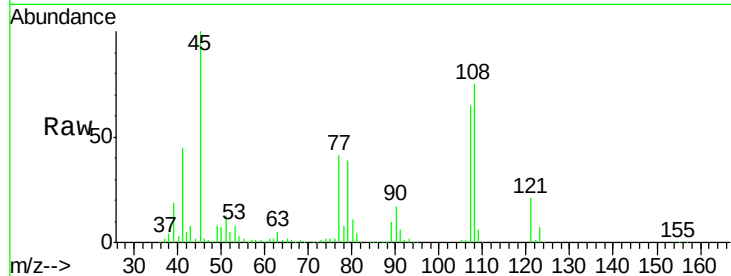
#17
2-Methylphenol
Concen: 42.41 ng
RT: 6.12 min Scan# 720
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.9	93.4	140.0	
77	62.8	35.8	53.6#	
79	58.9	34.8	52.2#	

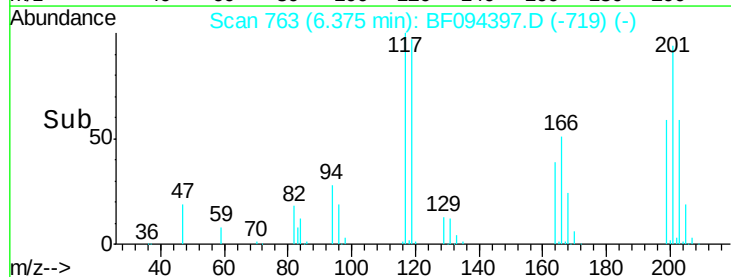
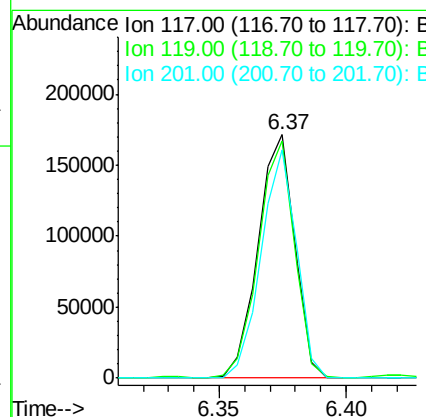
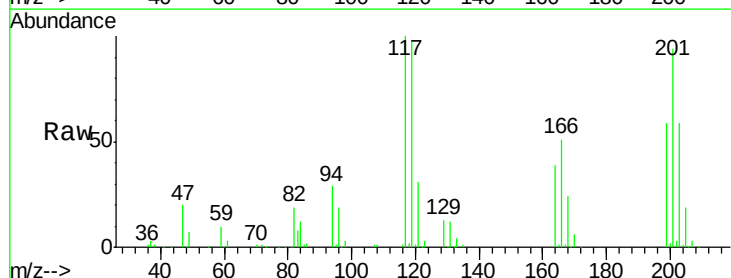
Manual Integrations
APPROVED

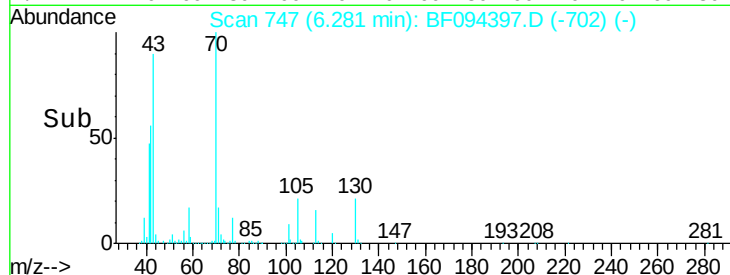
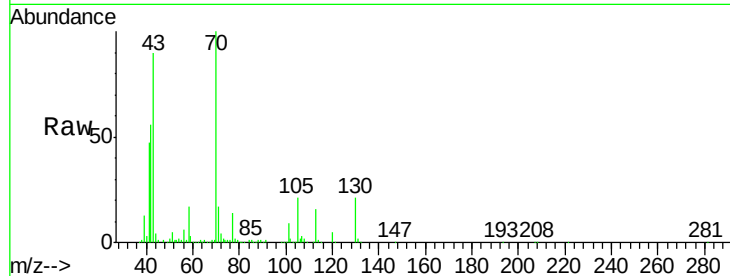
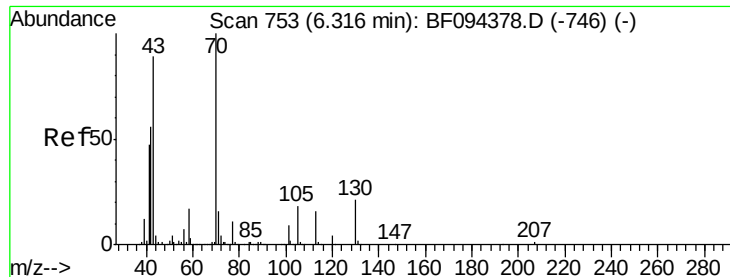
mohammad
4/14/2017 1:37:07 PM



#18
Hexachloroethane
Concen: 44.34 ng
RT: 6.37 min Scan# 763
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.6	77.4	116.0	
201	93.6	94.6	141.8#	





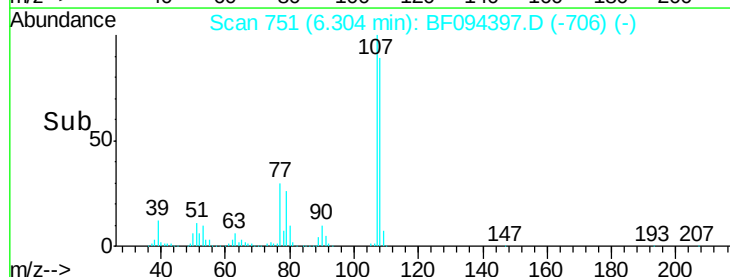
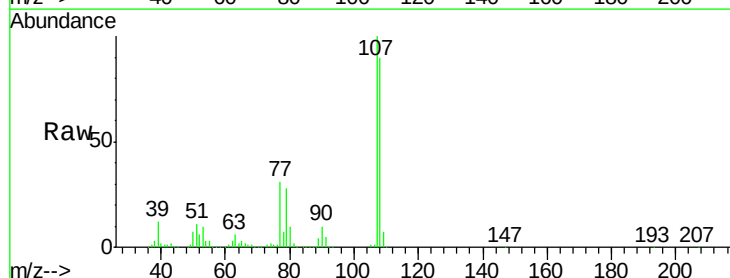
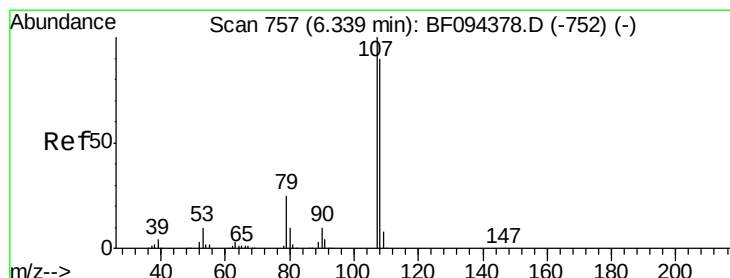
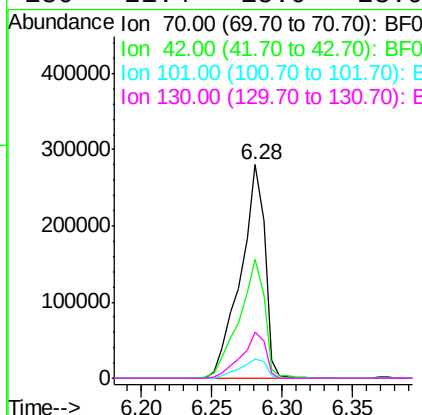
#19
n-Nitroso-di-n-propylamine
Concen: 47.37 ng
RT: 6.28 min Scan# 747
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.9	47.2	70.8	
101	9.1	7.2	10.8	
130	21.4	15.9	23.9	

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

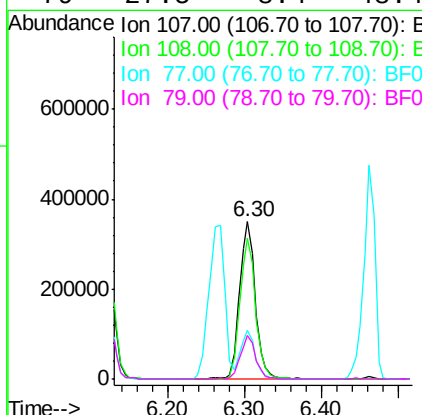
Manual Integrations
APPROVED

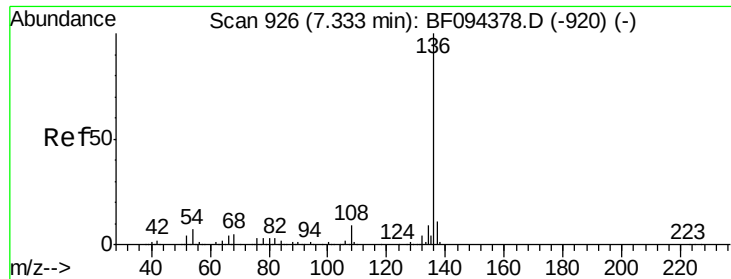
mohammad
4/14/2017 1:37:07 PM



#20
3+4-Methylphenols
Concen: 49.28 ng
RT: 6.30 min Scan# 751
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.7	71.0	111.0	
77	30.6	90.5	130.5#	
79	27.5	8.4	48.4	





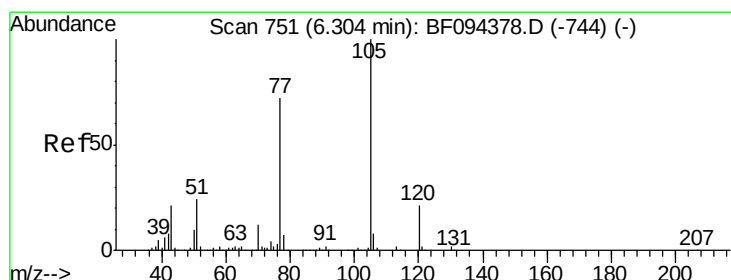
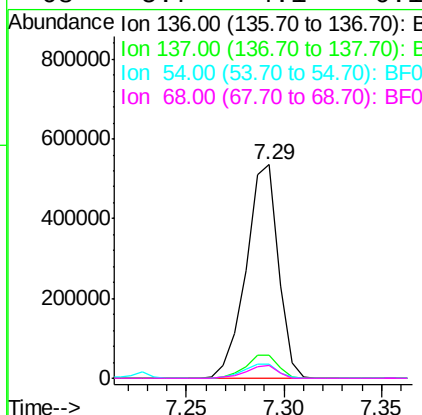
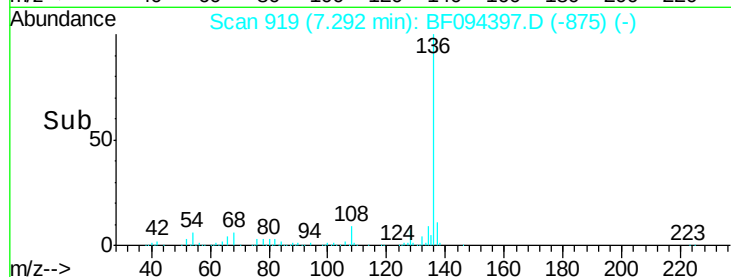
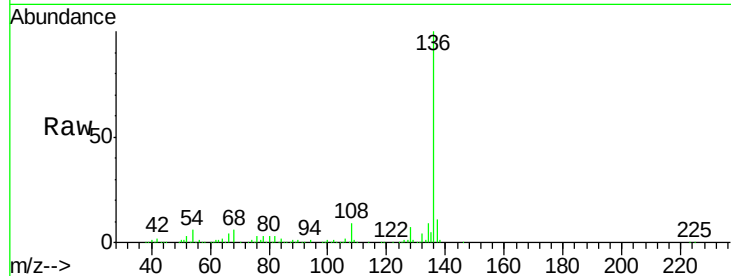
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.29 min Scan# 919
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		614048		
137	11.0		8.5	12.7	
54	6.5		4.9	7.3	
68	5.7		4.1	6.1	

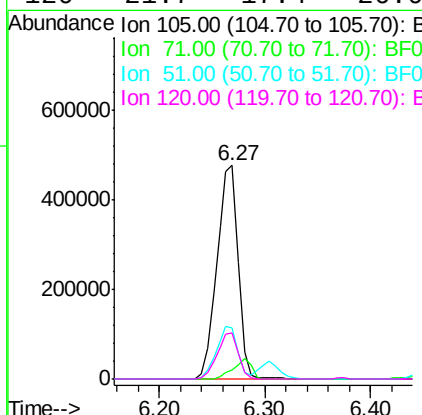
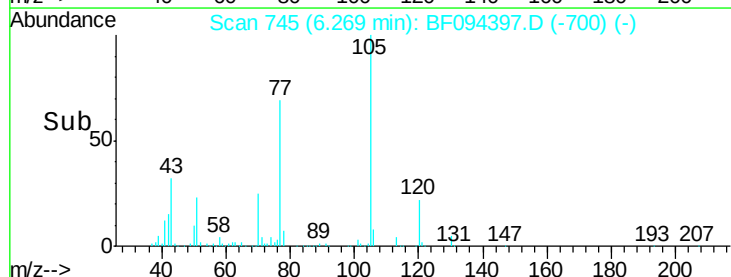
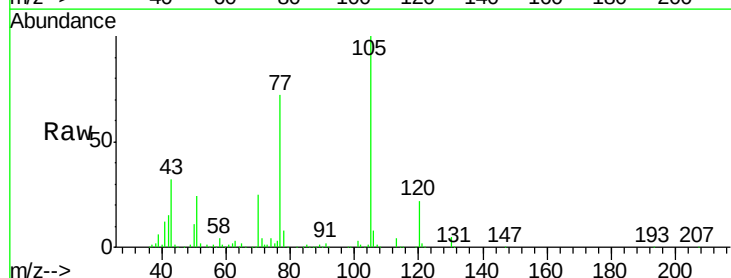
Manual Integrations
APPROVED

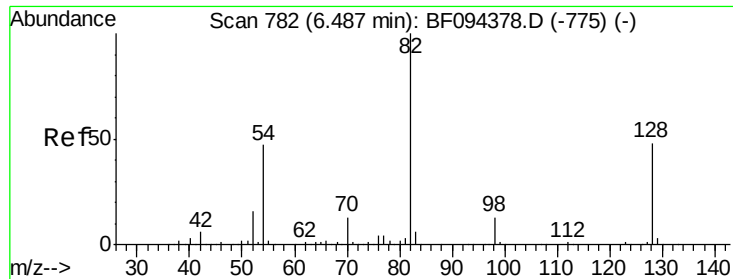
mohammad
4/14/2017 1:37:07 PM



#22
Acetophenone
Concen: 48.98 ng
RT: 6.27 min Scan# 745
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		670330		
71	4.3		2.8	4.2#	
51	24.0		30.7	46.1#	
120	21.7		17.4	26.0	





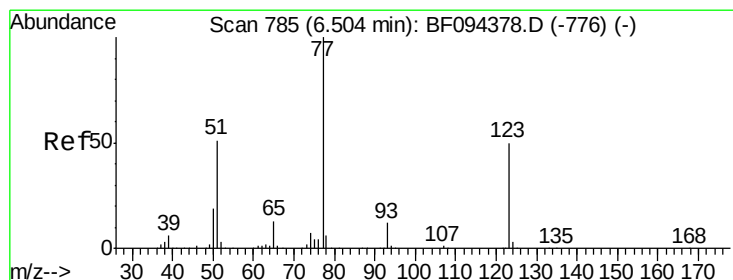
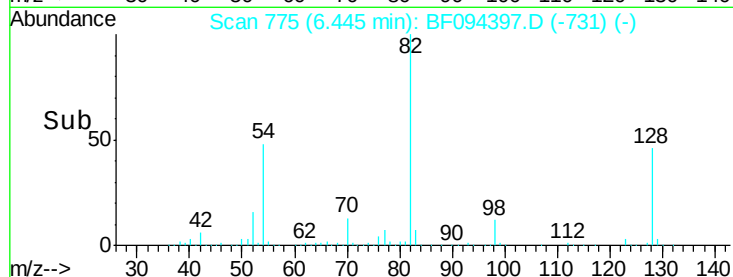
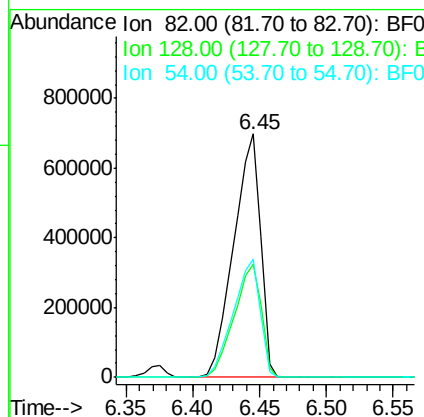
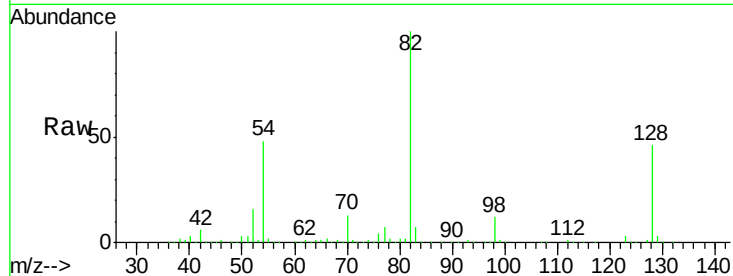
#23
 Nitrobenzene-d5
 Concen: 91.15 ng
 RT: 6.45 min Scan# 775
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion:	82	Resp:	980750
Ion Ratio	Lower	Upper	
82	100		
128	46.4	34.0	51.0
54	48.4	42.2	63.2

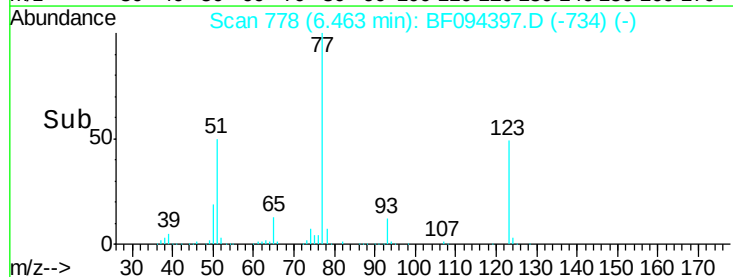
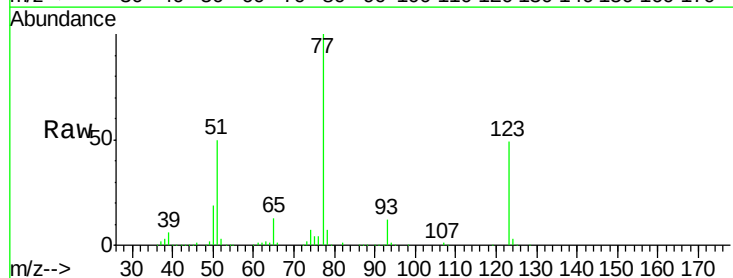
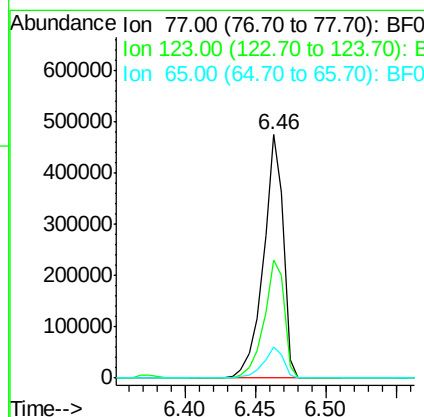
Manual Integrations
 APPROVED

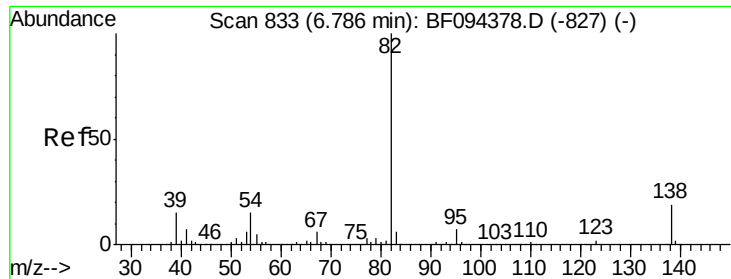
mohammad
 4/14/2017 1:37:07 PM



#24
 Nitrobenzene
 Concen: 44.42 ng
 RT: 6.46 min Scan# 778
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion:	77	Resp:	471406
Ion Ratio	Lower	Upper	
77	100		
123	48.7	35.8	53.8
65	12.7	10.6	15.8





#25

Isophorone

Concen: 45.77 ng

RT: 6.75 min Scan# 827

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

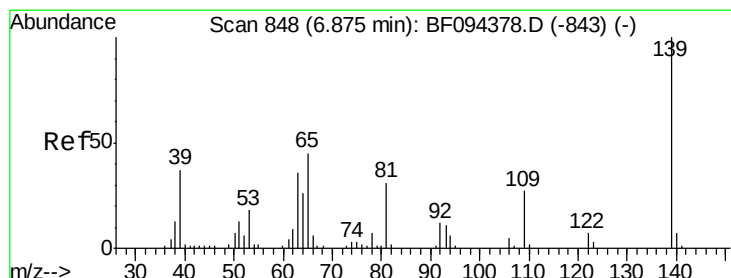
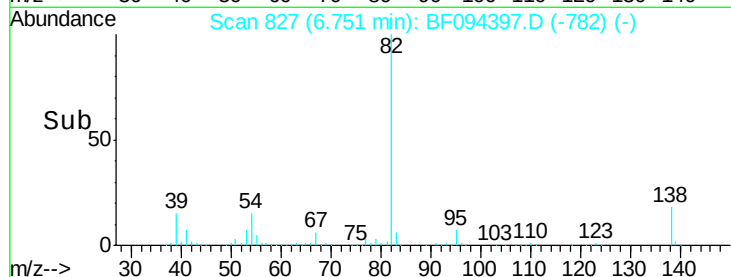
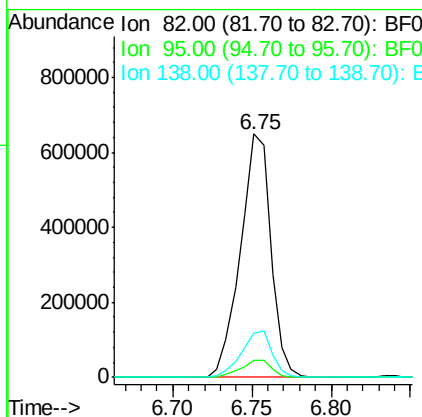
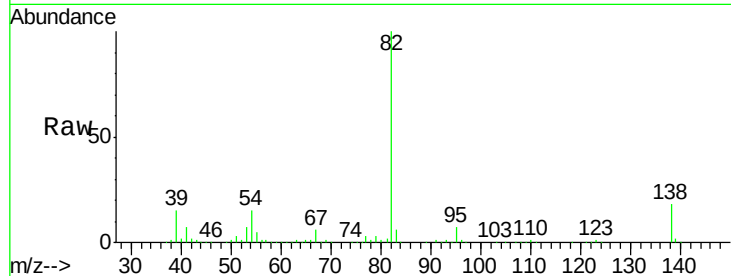
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:	82	Resp:	865418
Ion Ratio		Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.3	13.1	19.7

Manual Integrations
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4/14/2017 1:37:07 PM



#26

2-Nitrophenol

Concen: 52.13 ng

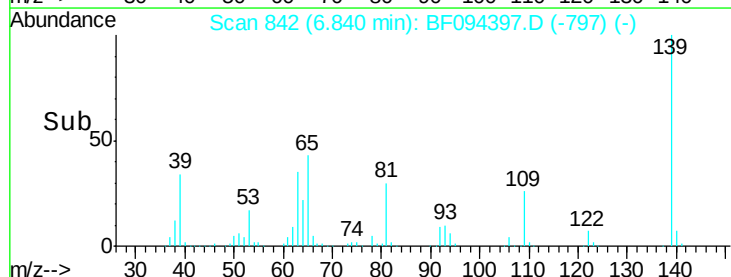
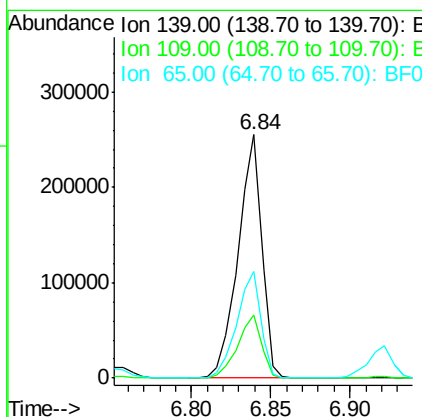
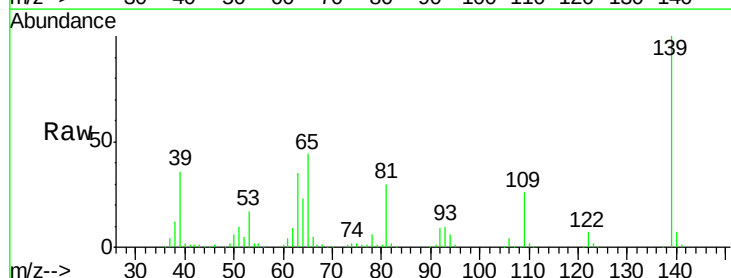
RT: 6.84 min Scan# 842

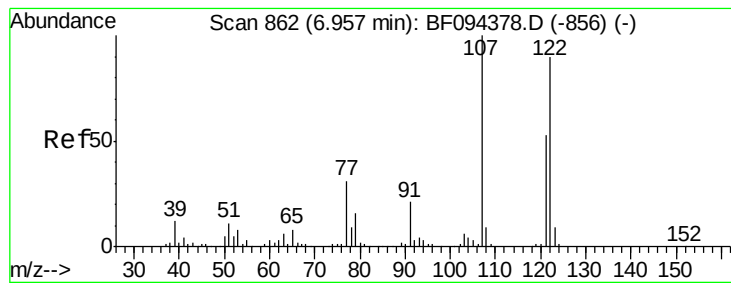
Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion:	139	Resp:	263837
Ion Ratio		Lower	Upper
139	100		
109	25.8	21.0	31.6
65	43.7	33.0	49.6





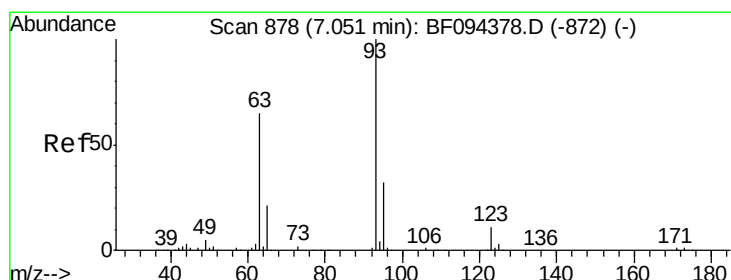
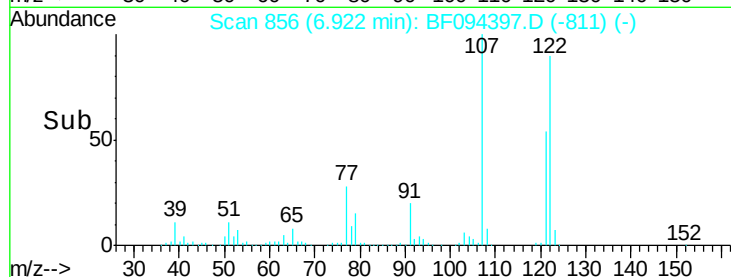
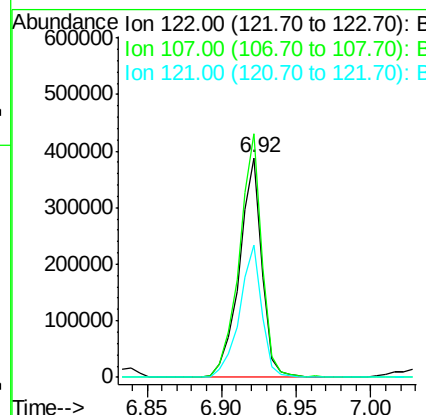
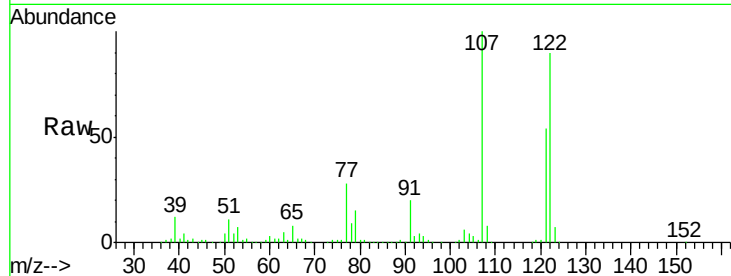
#27
2,4-Dimethylphenol
Concen: 47.13 ng
RT: 6.92 min Scan# 856
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.2	133.8
121	60.2	45.2	67.8

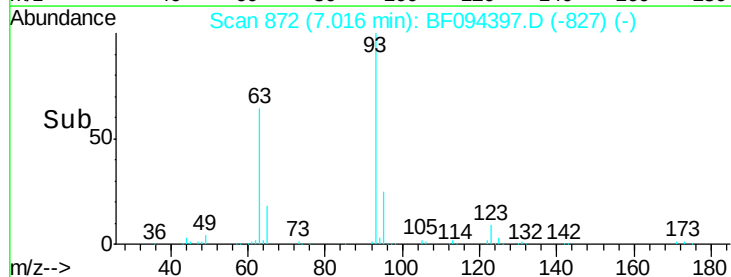
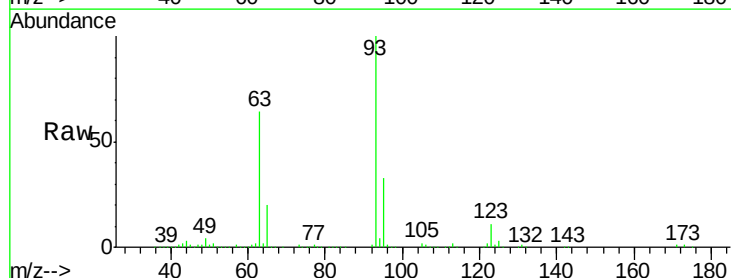
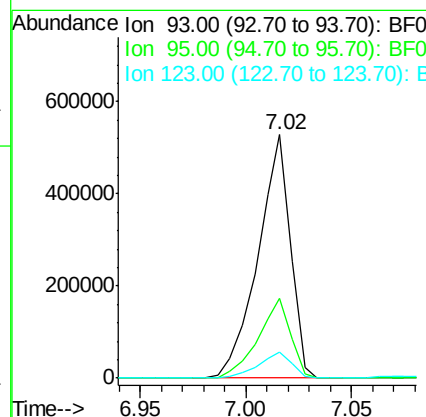
Manual Integrations
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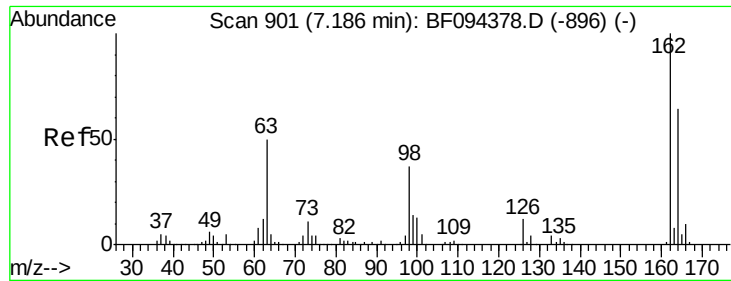
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 45.20 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	10.7	9.0	13.4





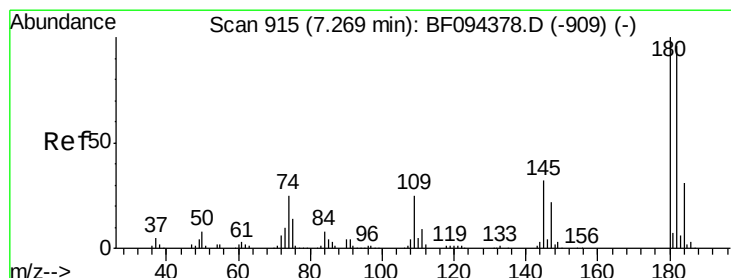
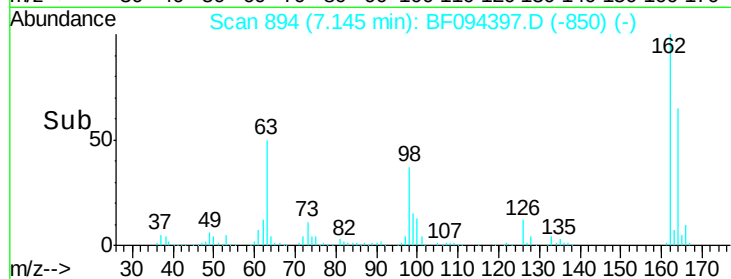
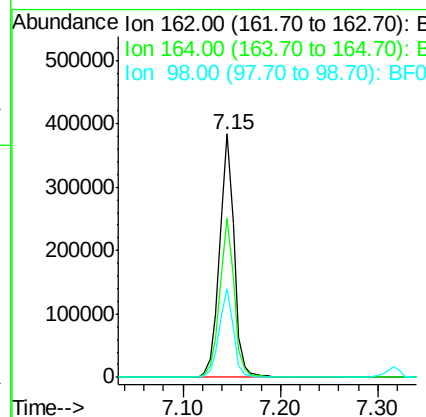
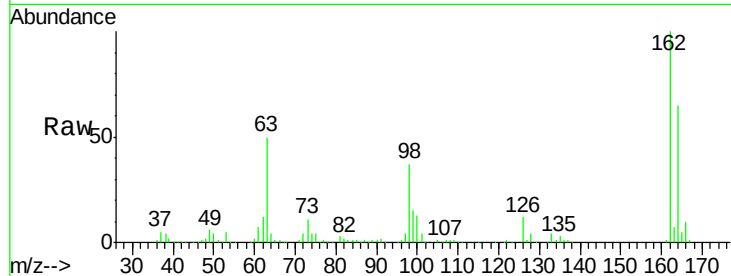
#29
 2,4-Dichlorophenol
 Concen: 48.97 ng
 RT: 7.15 min Scan# 894
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion:	162	Resp:	399267
Ion Ratio		Lower	Upper
162	100		
164	65.2	44.6	84.6
98	36.6	14.8	54.8

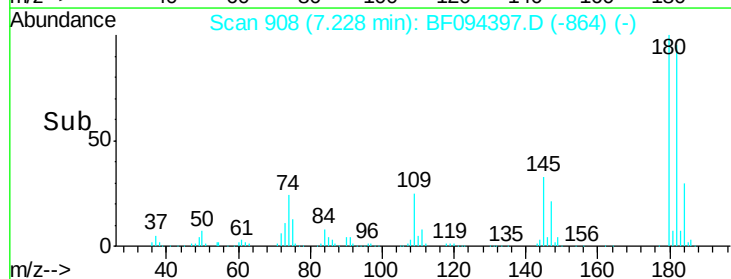
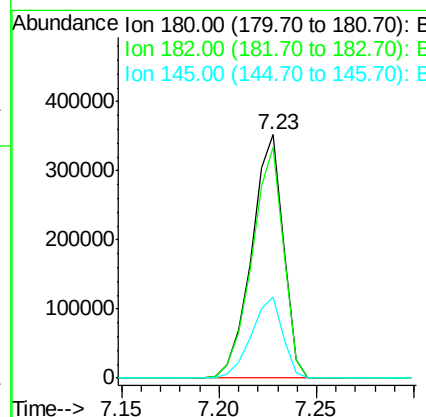
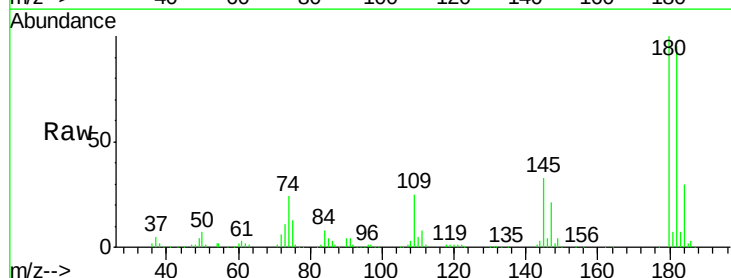
Manual Integrations
 APPROVED

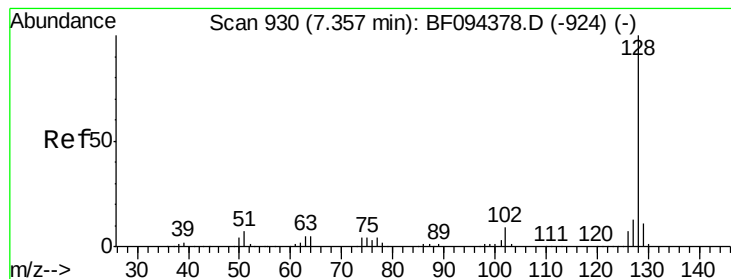
mohammad
 4/14/2017 1:37:07 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 47.11 ng
 RT: 7.23 min Scan# 908
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion:	180	Resp:	395569
Ion Ratio		Lower	Upper
180	100		
182	94.7	75.8	113.6
145	33.2	25.3	37.9





#31

Naphthalene

Concen: 46.65 ng

RT: 7.32 min Scan# 923

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:128 Resp: 1377227

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

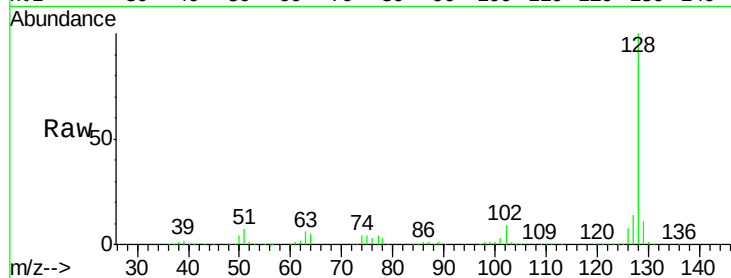
127 13.7 10.8 16.2

Manual Integrations

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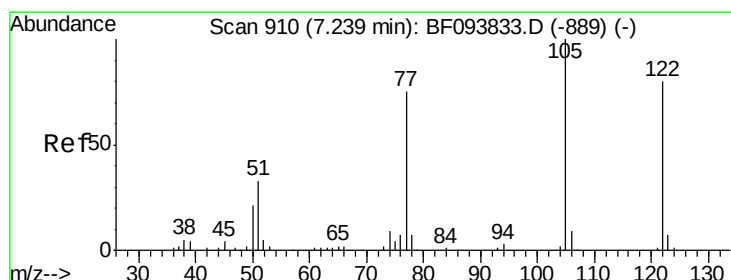
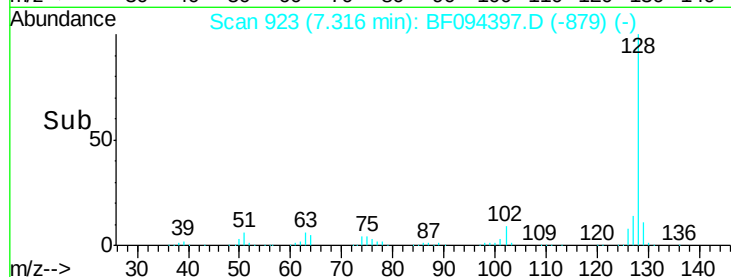
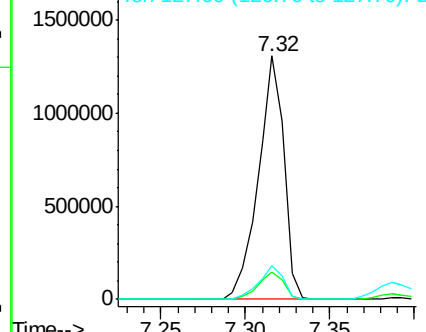
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 37.68 ng

RT: 7.11 min Scan# 888

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

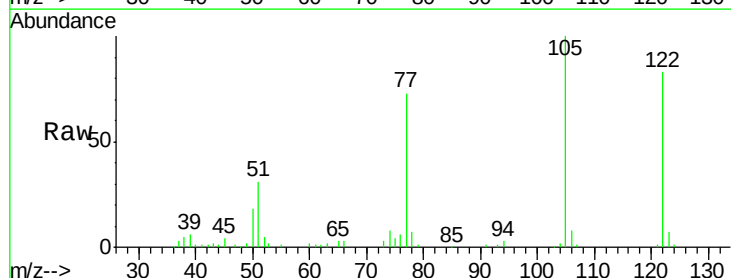
Tgt Ion:122 Resp: 218747

Ion Ratio Lower Upper

122 100

105 120.5 103.3 143.3

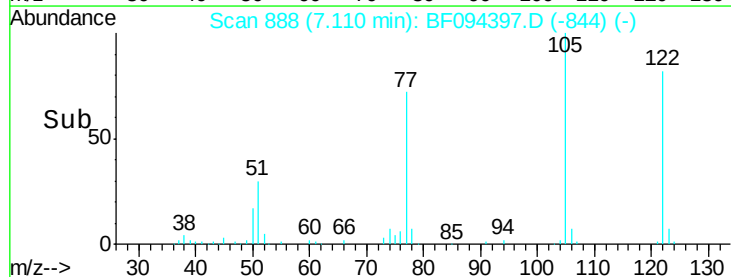
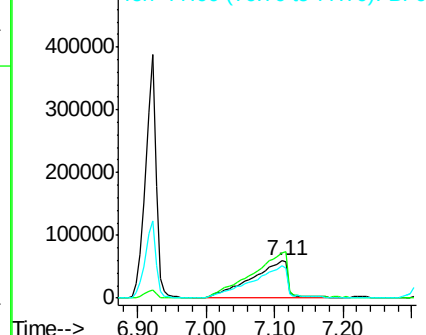
77 87.8 73.7 113.7

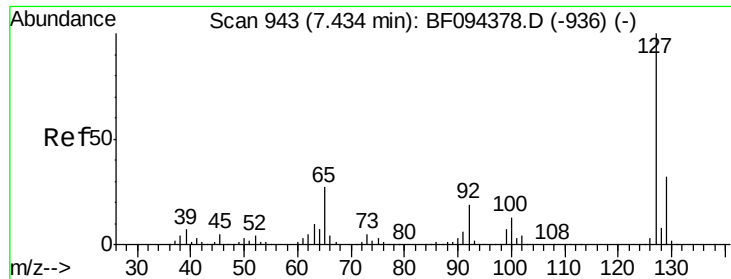


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





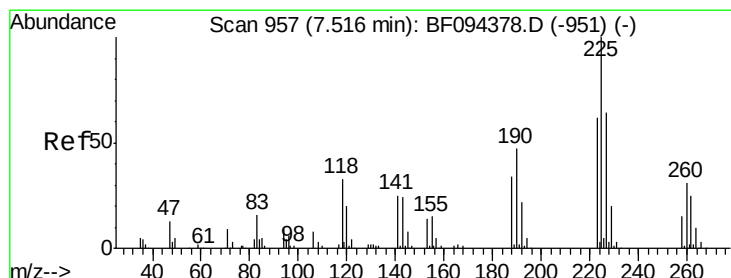
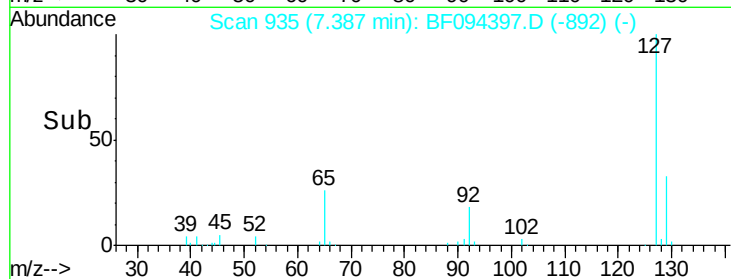
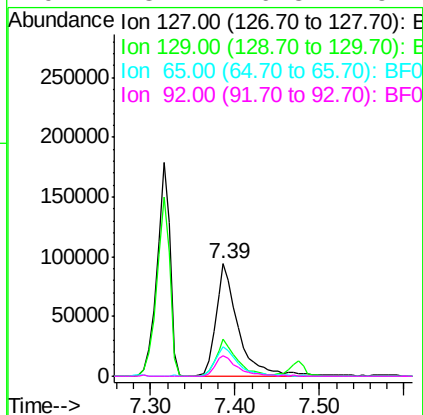
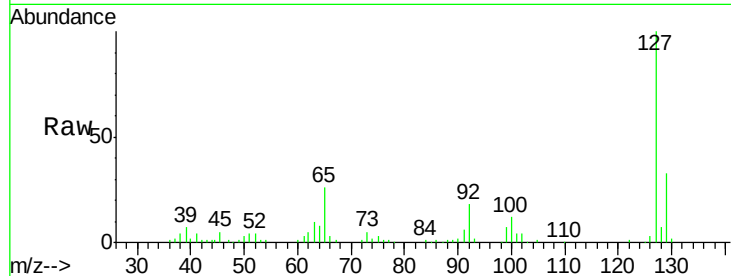
#33
4-Chloroaniline
Concen: 14.60 ng
RT: 7.39 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.5	26.2	39.2		
65	26.4	27.8	41.8		
92	18.2	16.8	25.2		

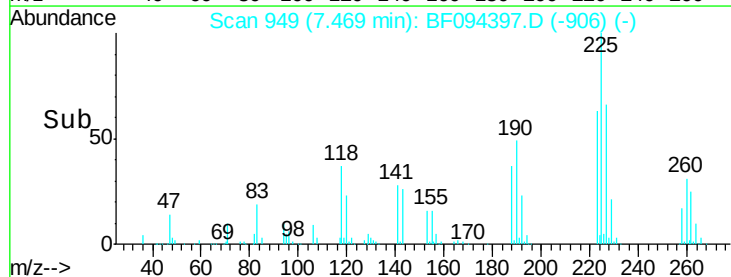
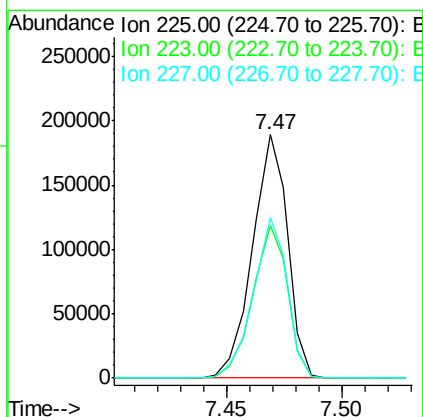
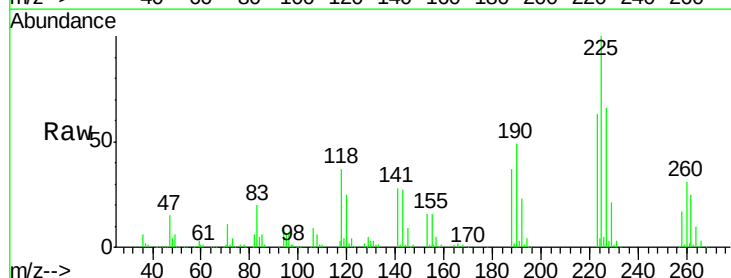
Manual Integrations
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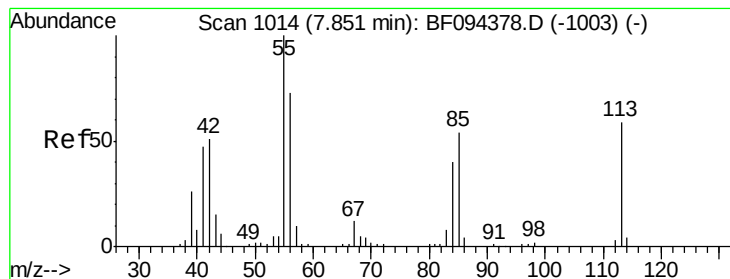
mohammad
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#34
Hexachlorobutadiene
Concen: 46.59 ng
RT: 7.47 min Scan# 949
Delta R.T. -0.05 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	48.8	73.2		
227	65.7	51.1	76.7		





#35

Caprolactam

Concen: 36.08 ng/mL

RT: 7.85 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

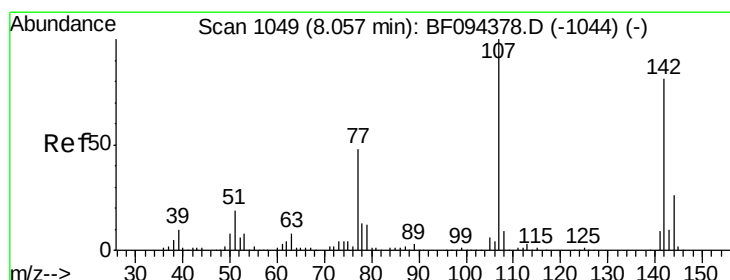
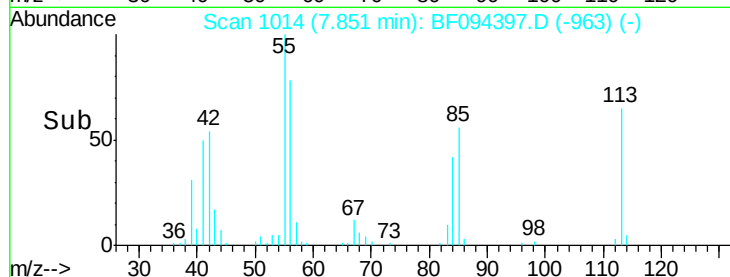
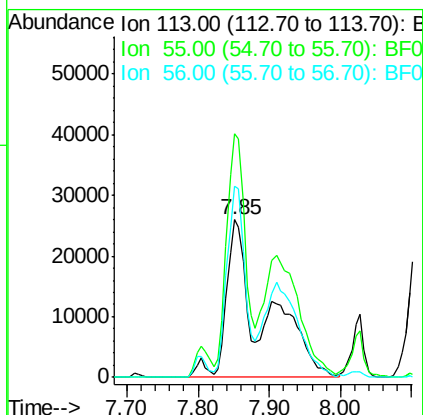
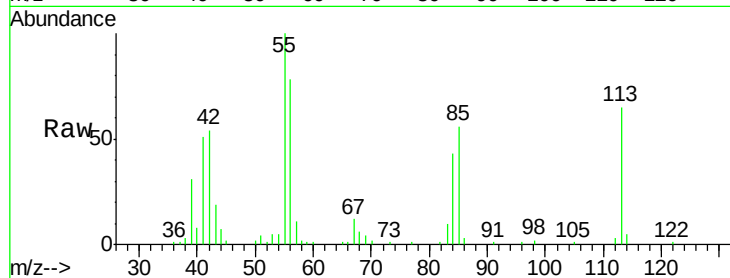
ClientSampleID :

ROLL-OFF-R4MS

Tot Ion:	113	Resp:	93816
Ion	Ratio	Lower	Upper
113	100		
55	154.8	150.2	190.2
56	121.5	107.8	147.8

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 50.05 ng/mL

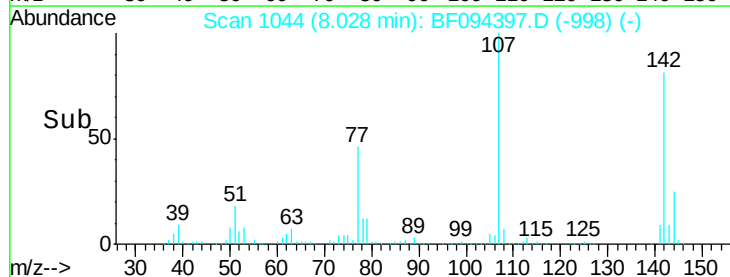
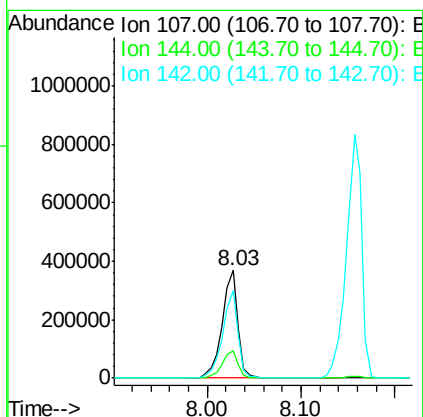
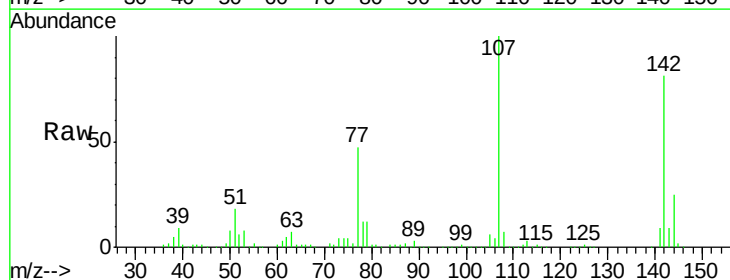
RT: 8.03 min Scan# 1044

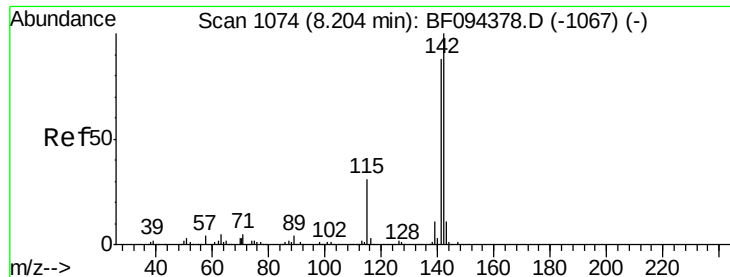
Delta R.T. -0.03 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion:	107	Resp:	426386
Ion	Ratio	Lower	Upper
107	100		
144	25.0	24.2	36.4
142	81.5	73.4	110.0





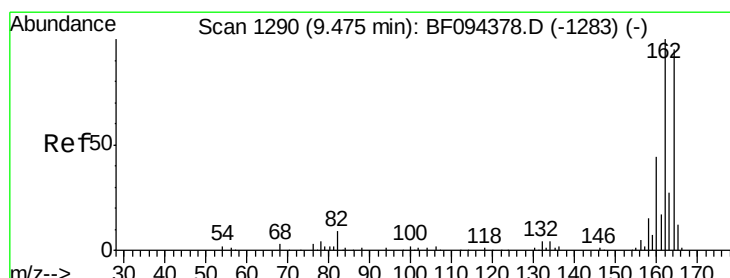
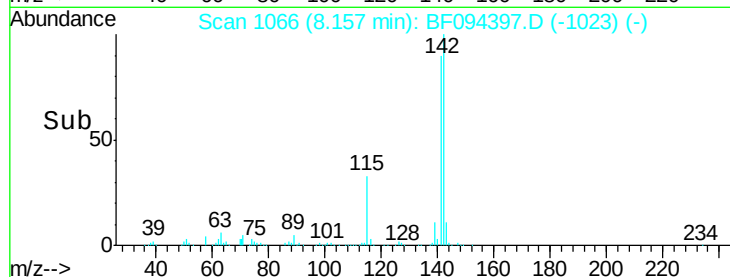
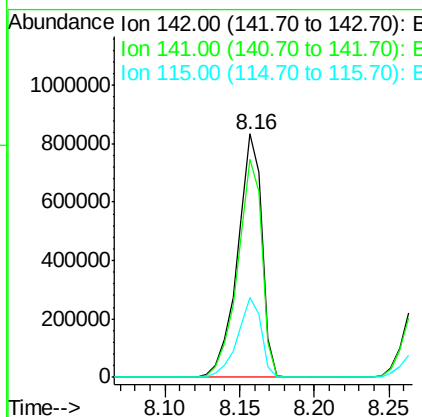
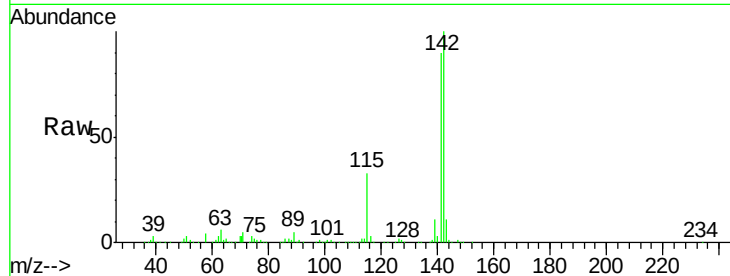
#37
 2-Methylnaphthalene
 Concen: 47.96 ng
 RT: 8.16 min Scan# 1066
 Delta R.T. -0.05 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	33.0	27.1	40.7

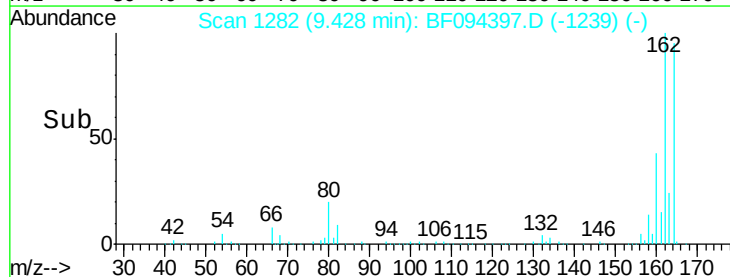
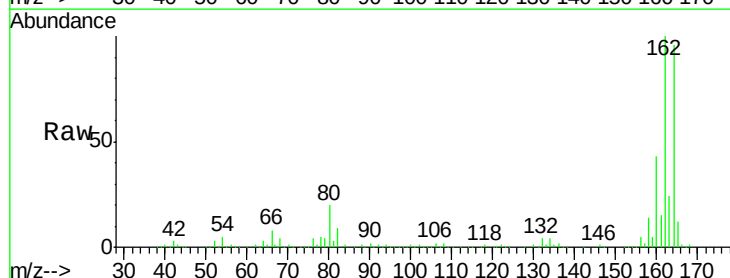
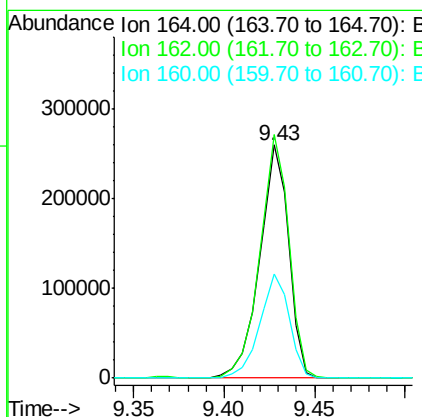
Manual Integrations
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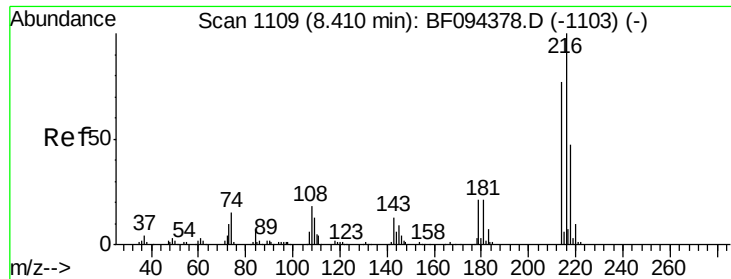
mohammad
 4/14/2017 1:37:07 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.43 min Scan# 1282
 Delta R.T. -0.05 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.6	123.8
160	44.6	36.2	54.2





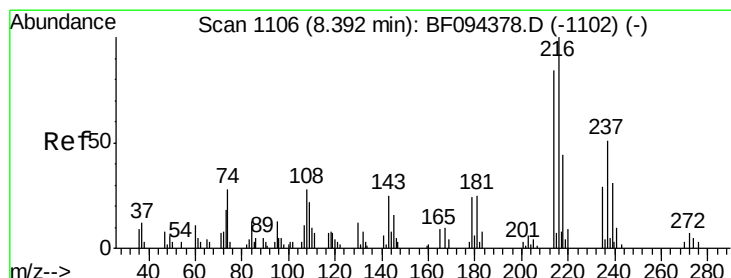
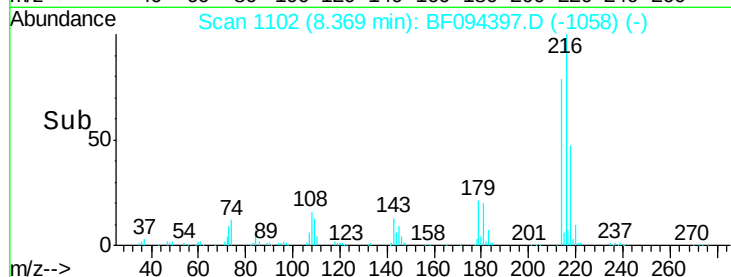
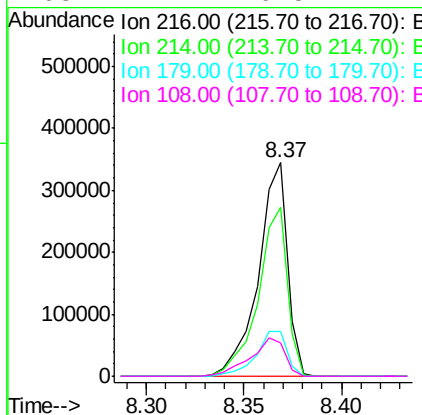
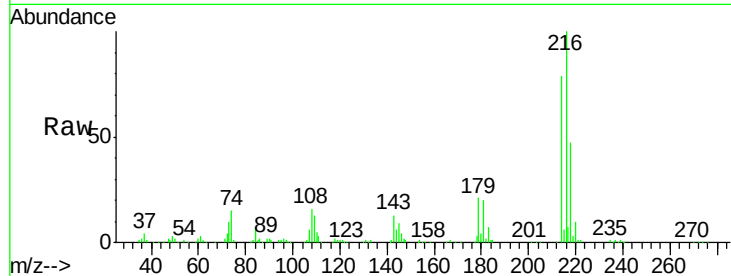
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.16 ng
 RT: 8.37 min Scan# 1102
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		357068		
214	79.0	63.4	95.2		
179	22.2	17.9	26.9		
108	21.1	16.5	24.7		

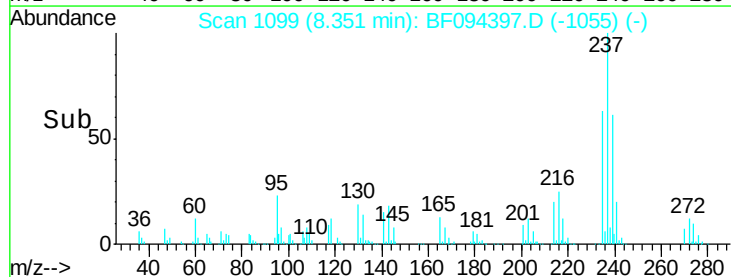
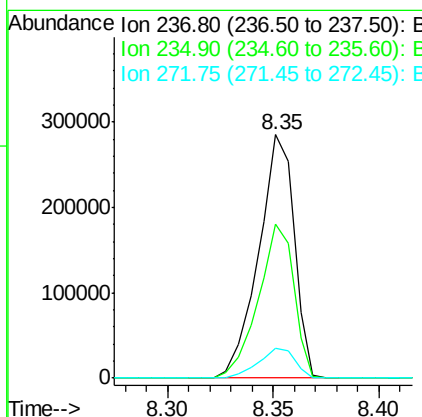
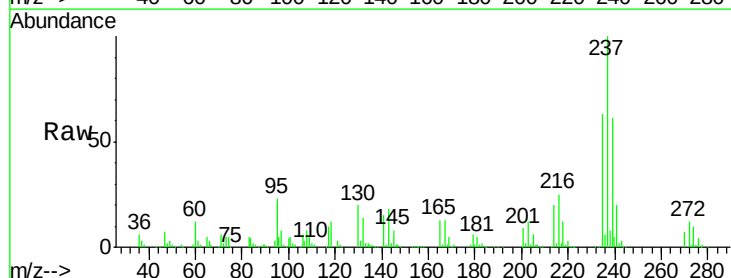
Manual Integrations
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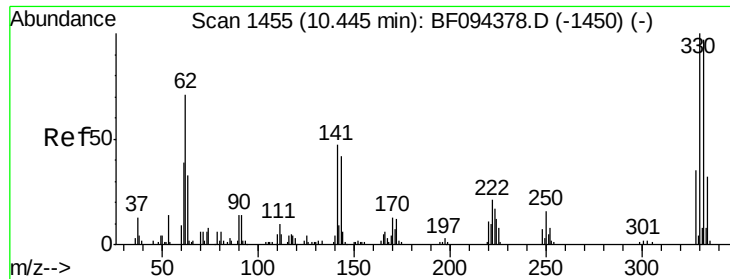
mohammad
 4/14/2017 1:37:07 PM



#40
 Hexachlorocyclopentadiene
 Concen: 90.67 ng
 RT: 8.35 min Scan# 1099
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		335453		
235	63.1	42.6	82.6		
272	12.3	0.0	31.9		





#41

2,4,6-Tribromophenol

Concen: 147.69 ng

RT: 10.41 min Scan# 1449

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

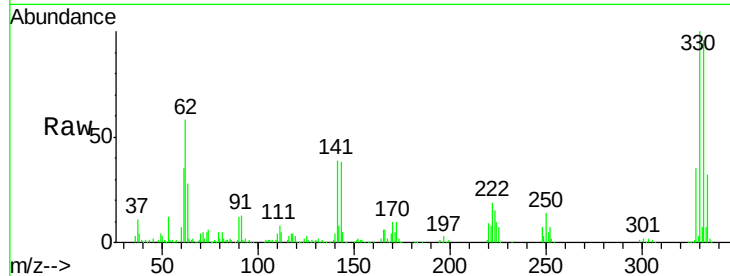
ClientSampleId :

ROLL-OFF-R4MS

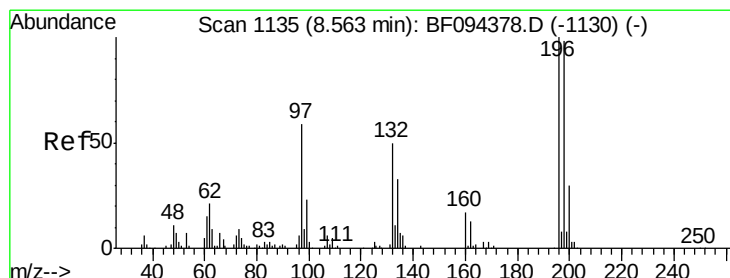
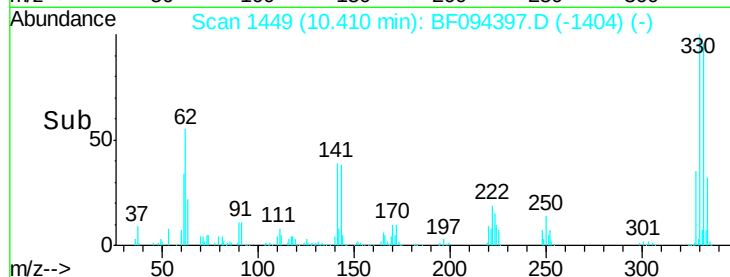
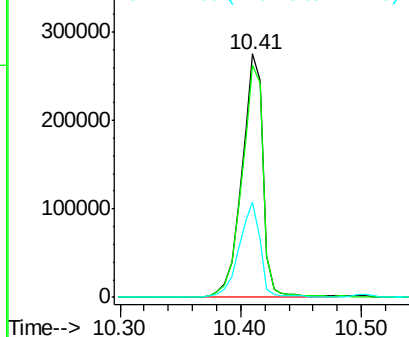
Tot Ion:	330	Resp:	337280
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.6	115.0
141	39.1	31.4	47.2

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 48.59 ng

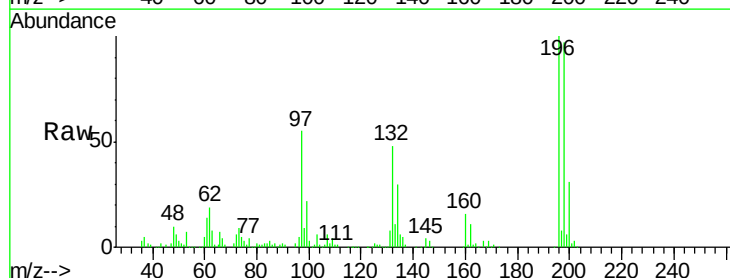
RT: 8.52 min Scan# 1128

Delta R.T. -0.04 min

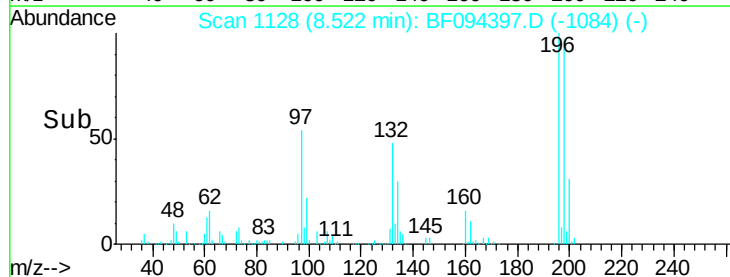
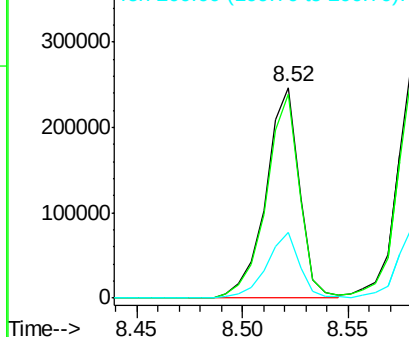
Lab File: BF094397.D

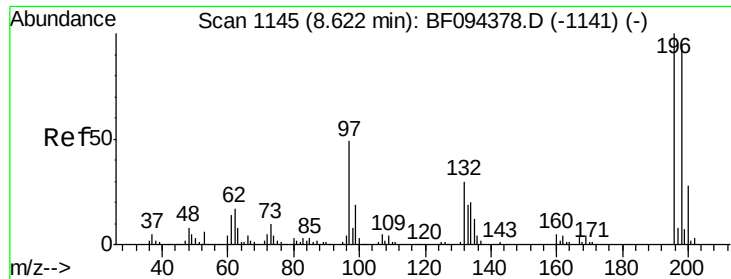
Acq: 13 Apr 2017 18:23

Tgt Ion:	196	Resp:	271771
Ion Ratio	Lower	Upper	
196	100		
198	96.6	74.2	111.4
200	31.0	24.0	36.0



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





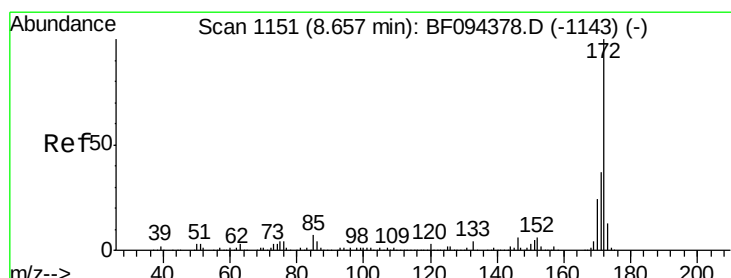
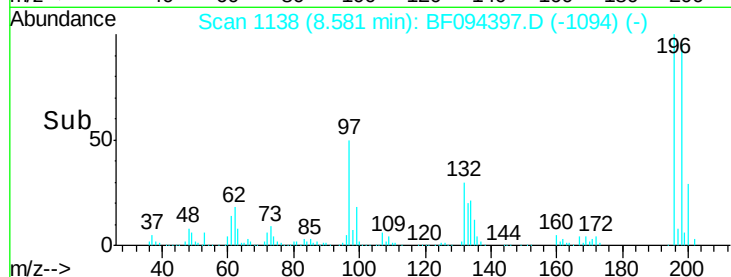
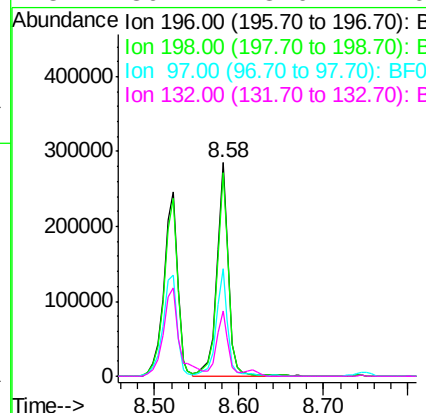
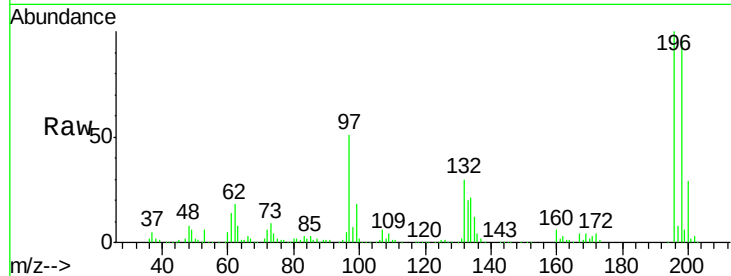
#43
 2,4,5-Trichlorophenol
 Concen: 46.39 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		280772		
198	95.5	75.7	113.5		
97	50.6	47.7	71.5		
132	30.4	28.0	42.0		

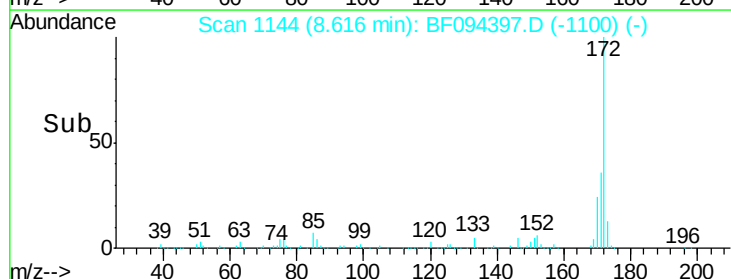
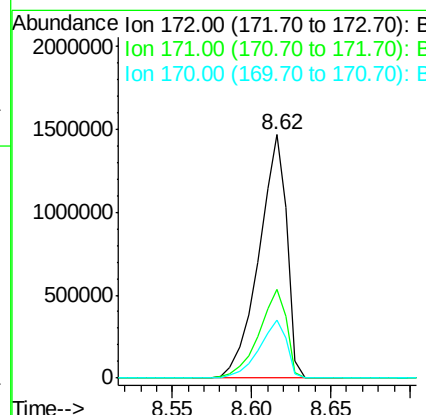
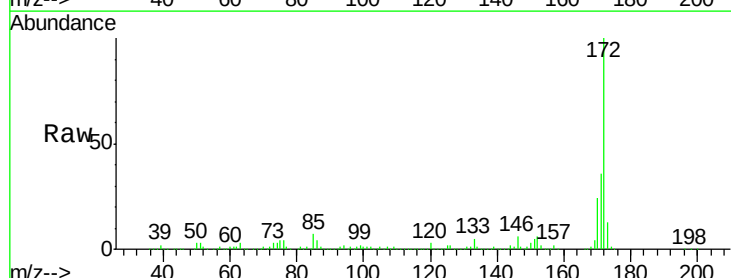
Manual Integrations
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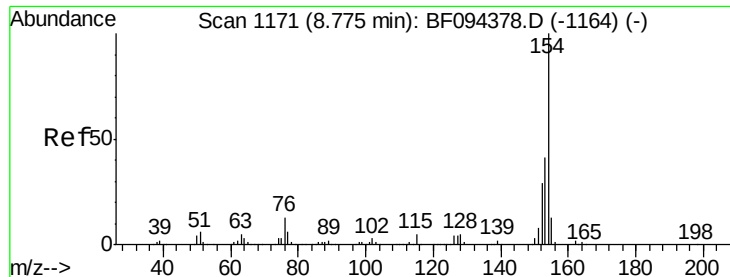
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 94.77 ng
 RT: 8.62 min Scan# 1144
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1795618		
171	36.5	29.6	44.4		
170	24.0	19.8	29.8		





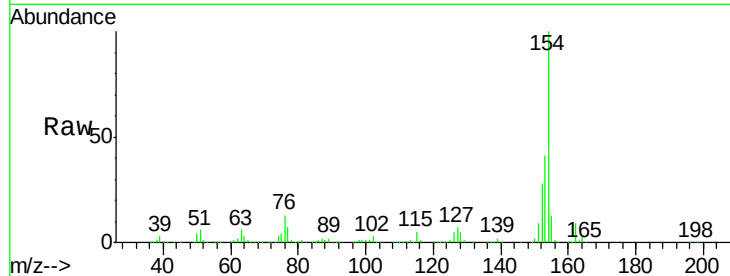
#45
 1,1'-Biphenyl
 Concen: 44.81 ng
 RT: 8.73 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

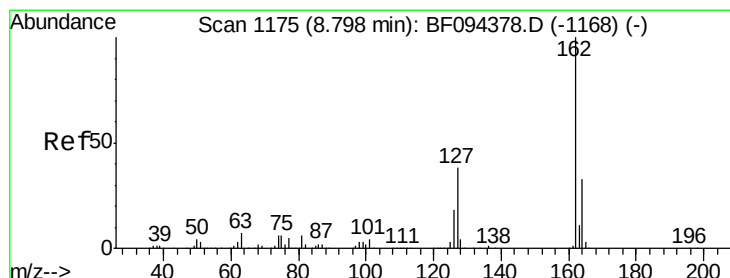
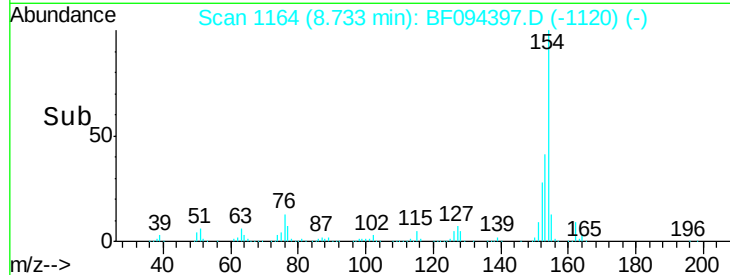
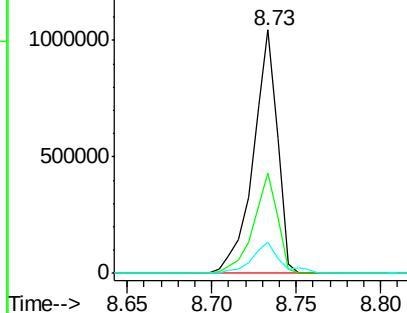
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.2	61.2
76	13.0	0.0	29.9

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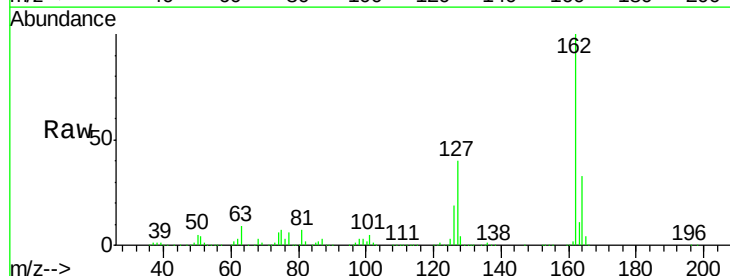


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

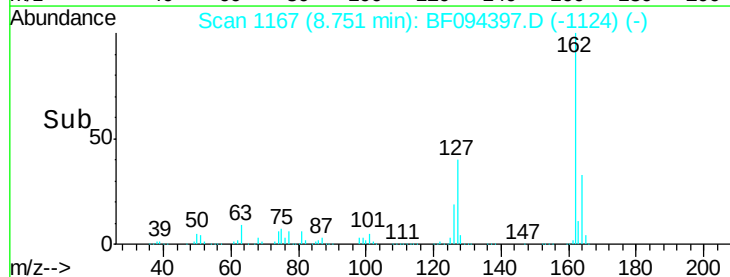
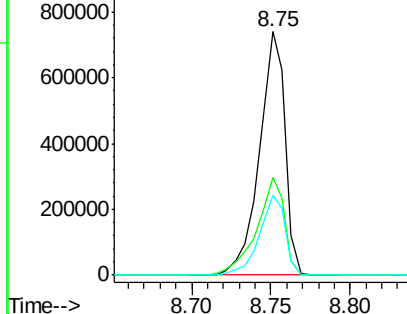


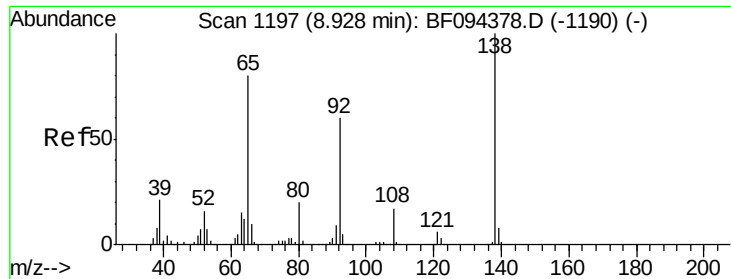
#46
 2-Chloronaphthalene
 Concen: 45.91 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.05 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.2	28.3	42.5
164	32.9	27.0	40.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





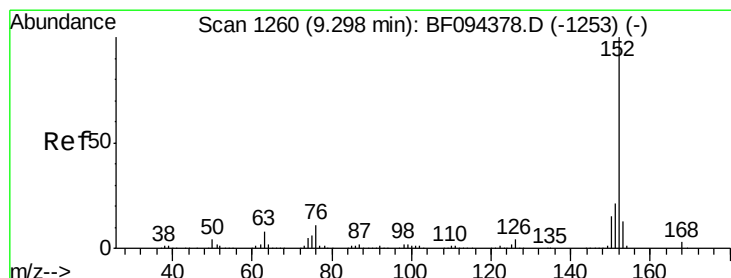
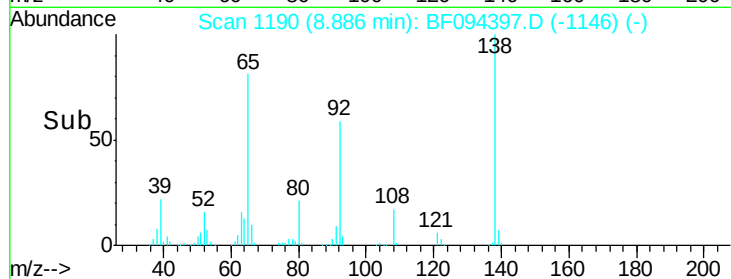
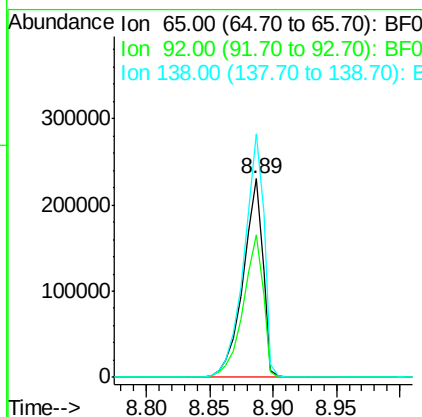
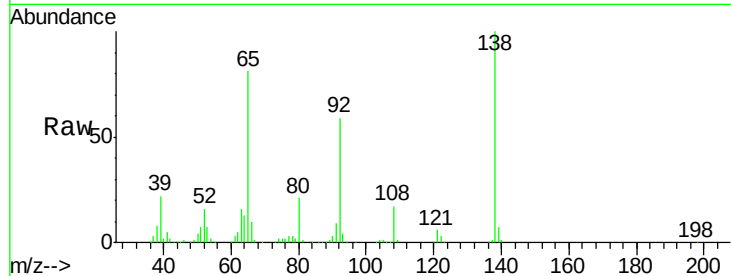
#47
2-Nitroaniline
Concen: 45.97 ng
RT: 8.89 min Scan# 1190
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	248863		
92	71.8	53.9	80.9	
138	122.7	78.8	118.2#	

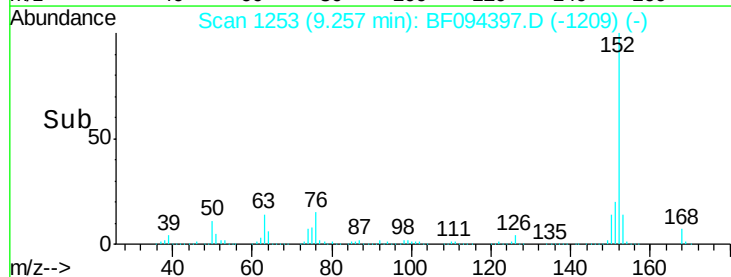
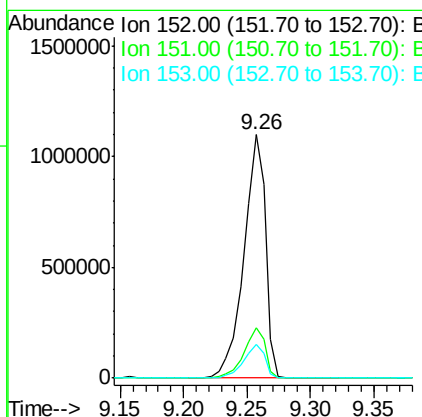
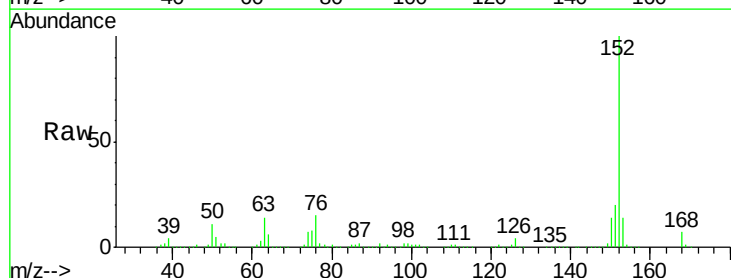
Manual Integrations
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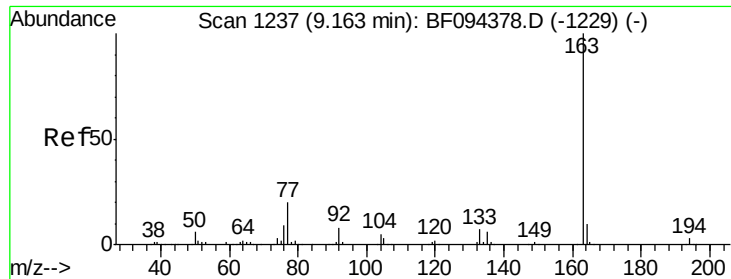
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#48
Acenaphthylene
Concen: 42.66 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1293717		
151	20.5	16.8	25.2	
153	13.7	10.8	16.2	





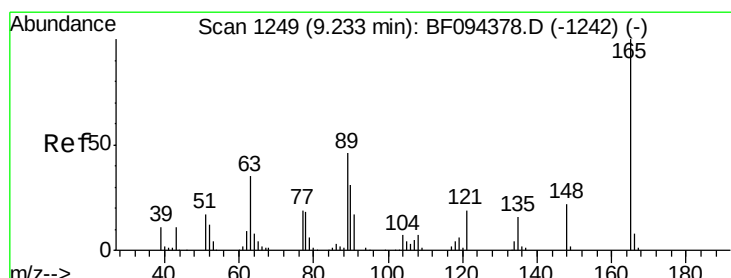
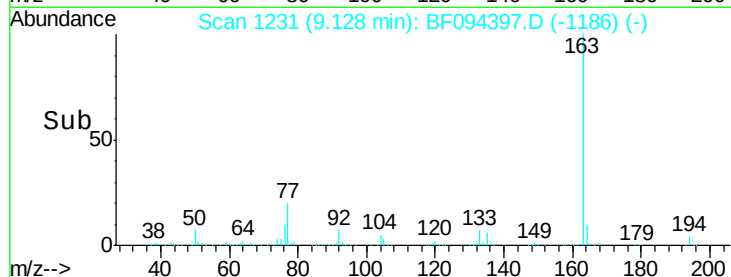
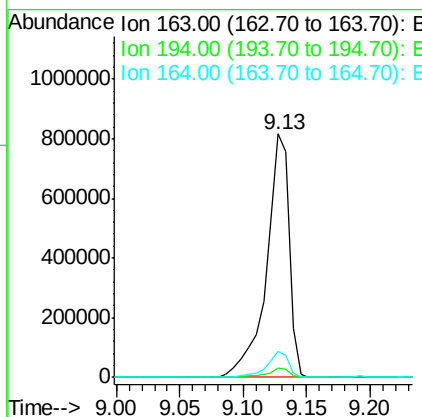
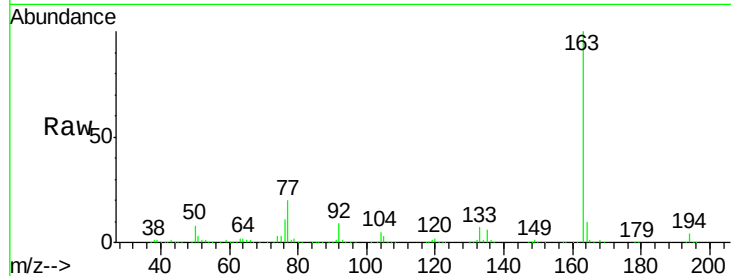
#49
Dimethylphthalate
Concen: 49.22 ng
RT: 9.13 min Scan# 1231
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion:163 Resp: 1011062
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.4 8.4 12.6

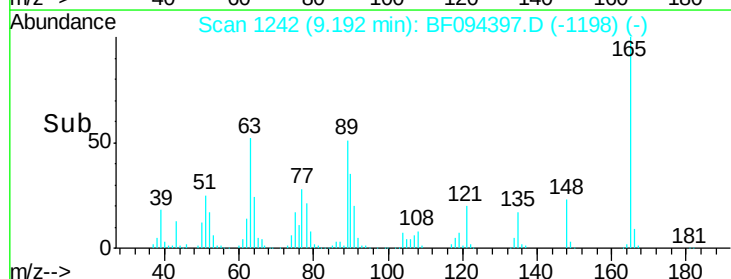
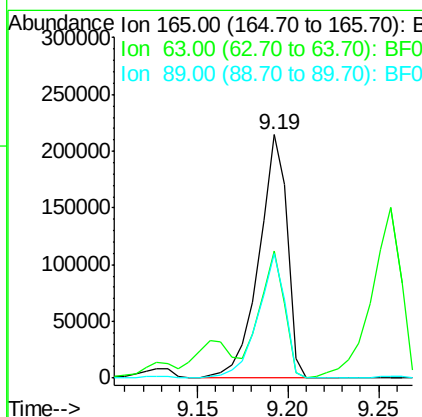
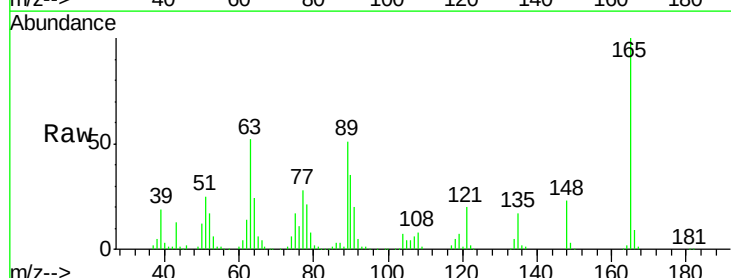
Manual Integrations
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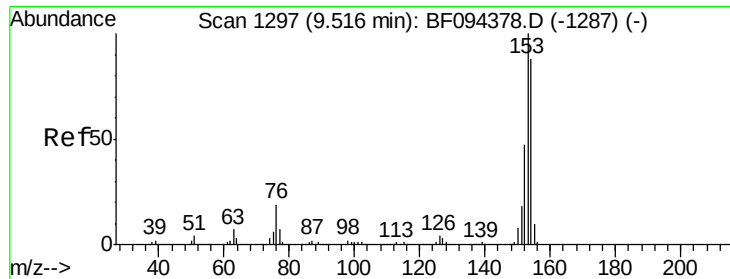
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#50
2,6-Dinitrotoluene
Concen: 49.49 ng
RT: 9.19 min Scan# 1242
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion:165 Resp: 233071
Ion Ratio Lower Upper
165 100
63 52.3 34.3 51.5#
89 51.1 37.1 55.7





#51

Acenaphthene

Concen: 44.90 ng

RT: 9.47 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

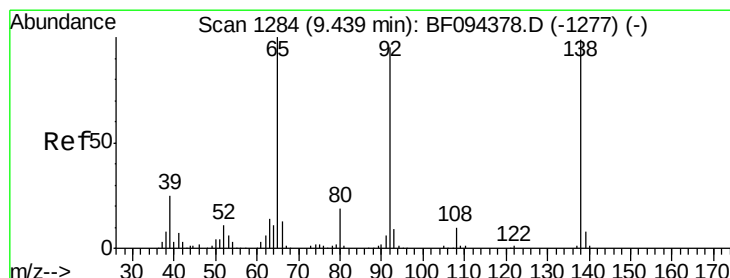
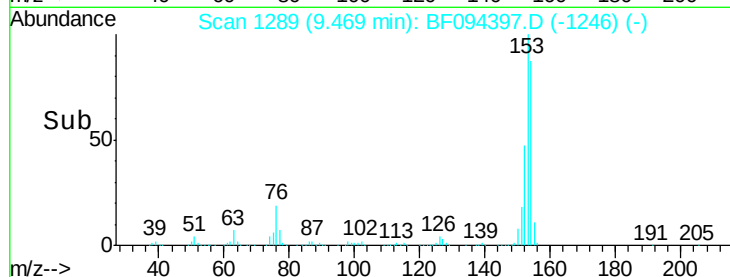
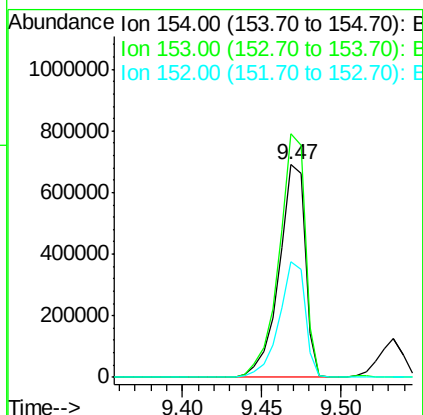
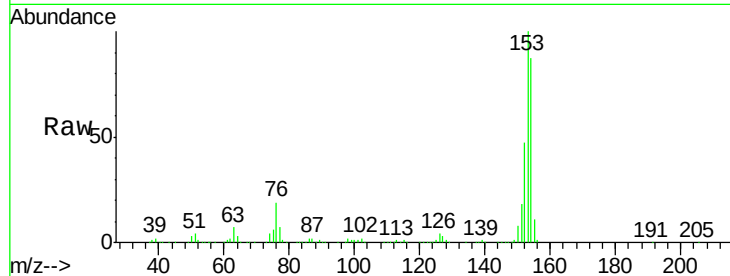
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:	154	Resp:	794482
Ion Ratio	Lower	Upper	
154	100		
153	114.6	90.5	135.7
152	54.2	43.6	65.4

Manual Integrations
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#52

3-Nitroaniline

Concen: 24.26 ng

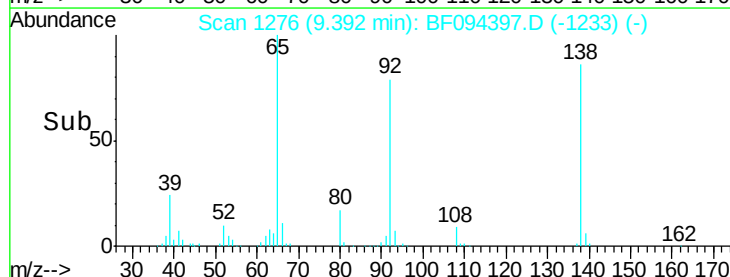
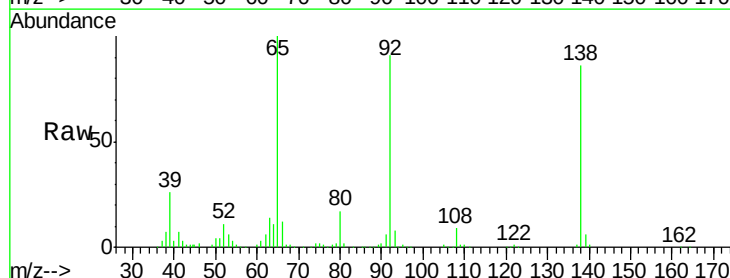
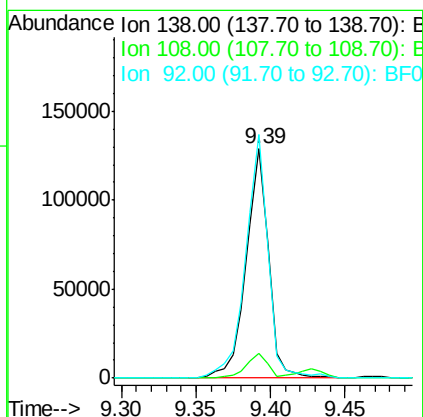
RT: 9.39 min Scan# 1276

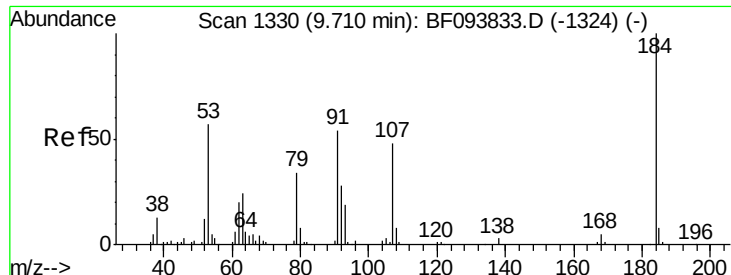
Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion:	138	Resp:	134184
Ion Ratio	Lower	Upper	
138	100		
108	10.8	9.1	13.7
92	106.2	93.8	140.6





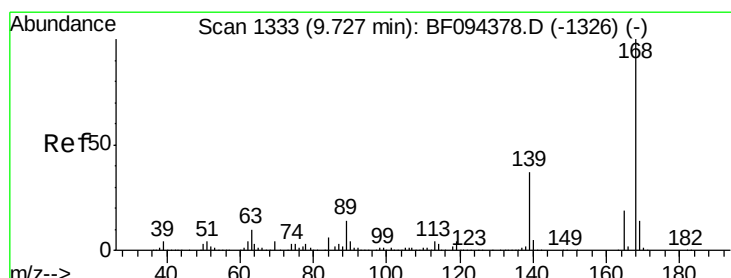
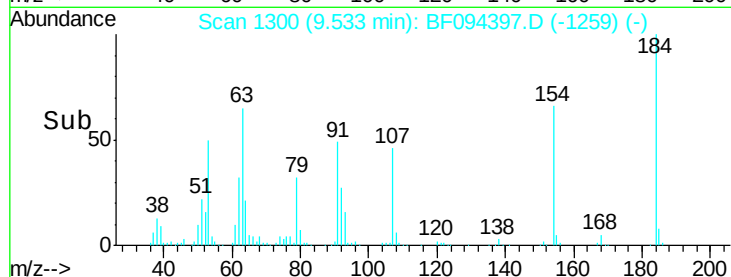
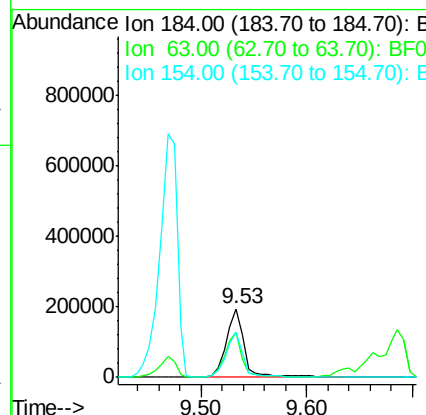
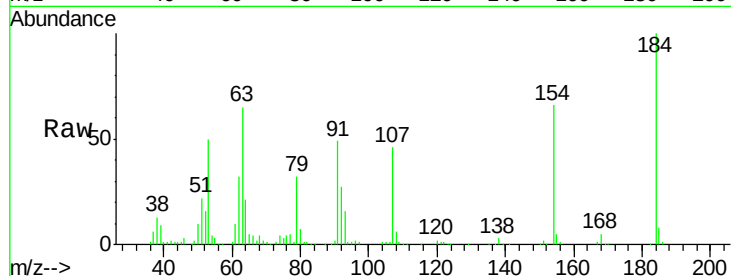
#53
 2,4-Dinitrophenol
 Concen: 92.03 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.06 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
184	100		
63	65.3	62.7	94.1
154	65.6	81.1	121.7#

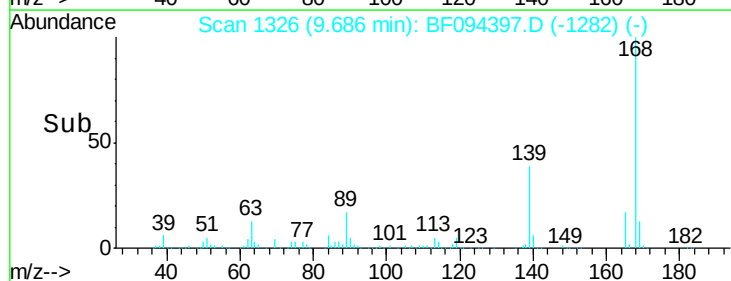
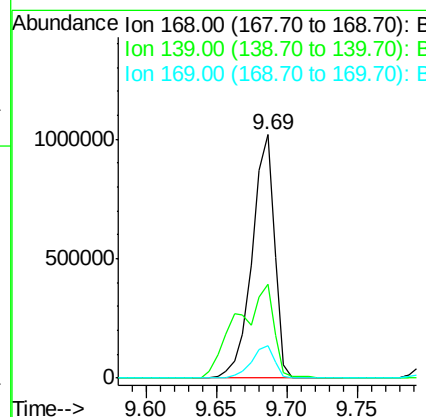
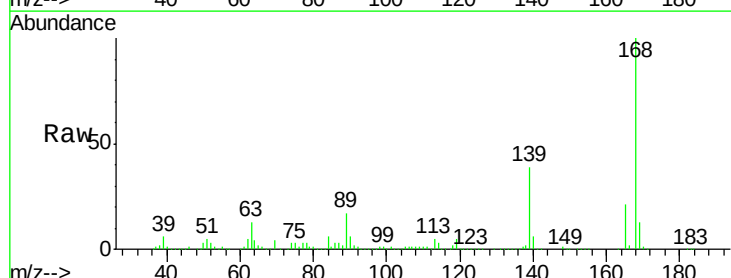
Manual Integrations
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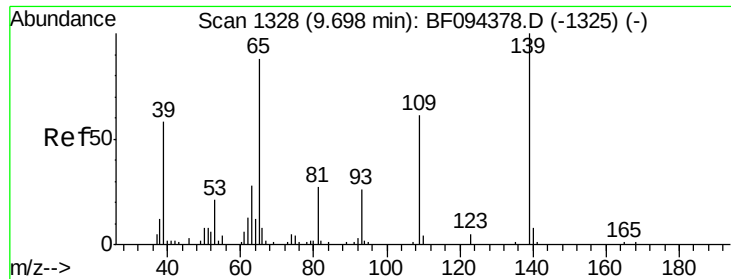
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#54
 Dibenzofuran
 Concen: 47.11 ng
 RT: 9.69 min Scan# 1326
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.6	45.8
169	13.3	10.8	16.2





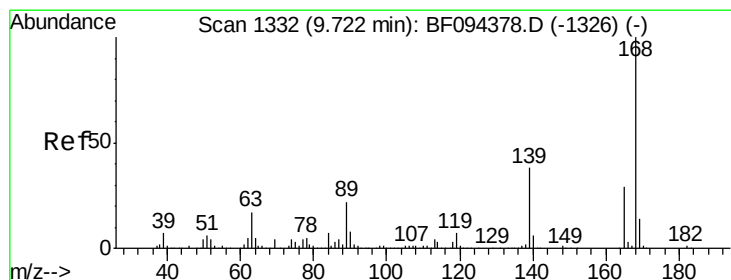
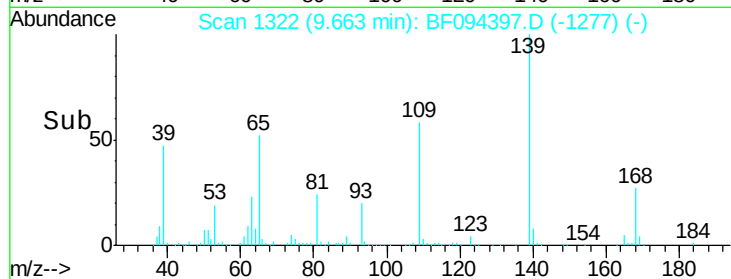
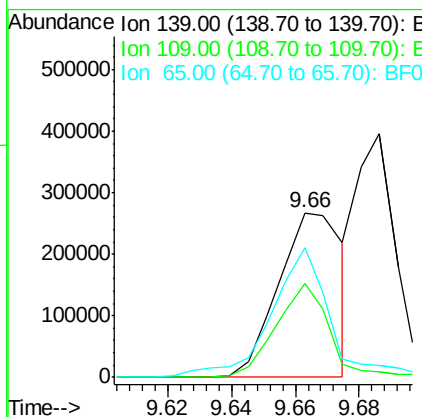
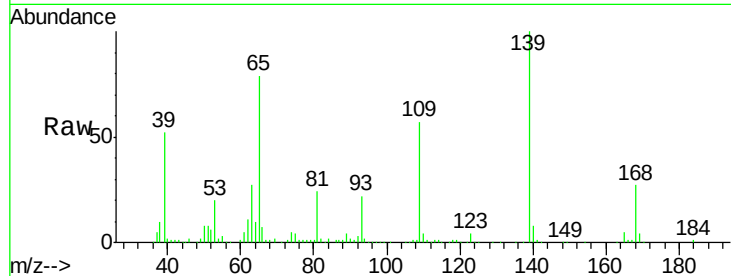
#55
4-Nitrophenol
Concen: 86.36 ng/ml
RT: 9.66 min Scan# 1322
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	56.8	34.1	74.1	
65	78.7	31.4	71.4	

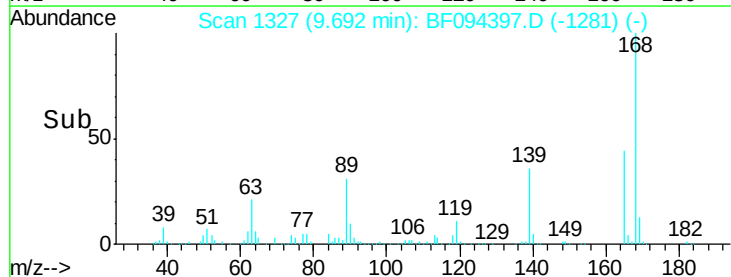
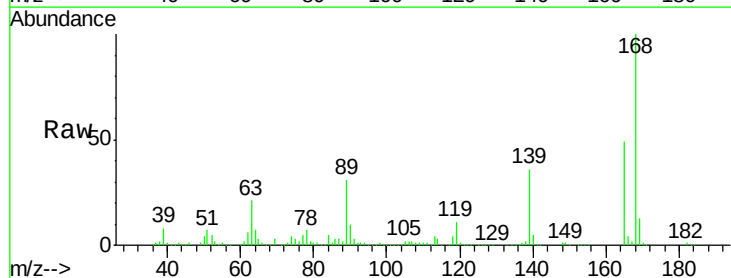
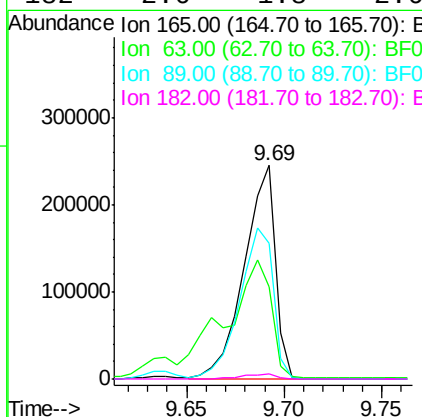
Manual Integrations
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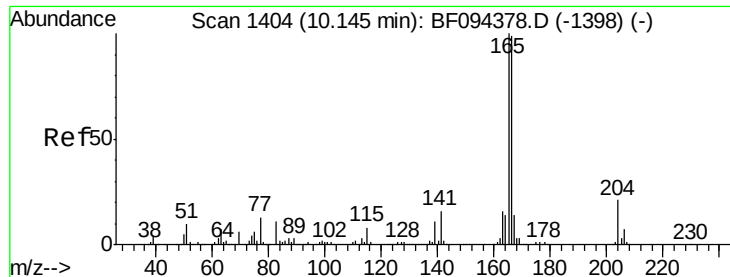
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#56
2,4-Dinitrotoluene
Concen: 46.14 ng/ml
RT: 9.69 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	43.0	25.4	38.0	
89	63.5	46.4	69.6	
182	2.6	1.8	2.6	





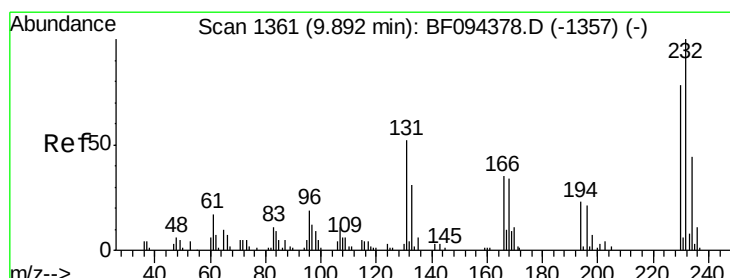
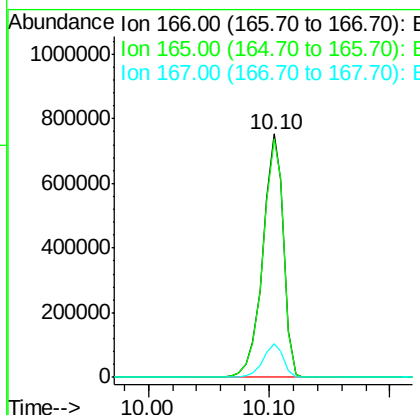
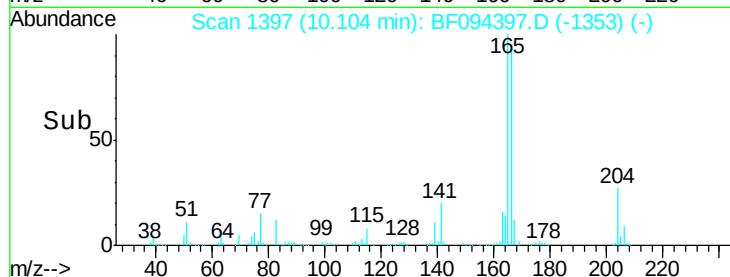
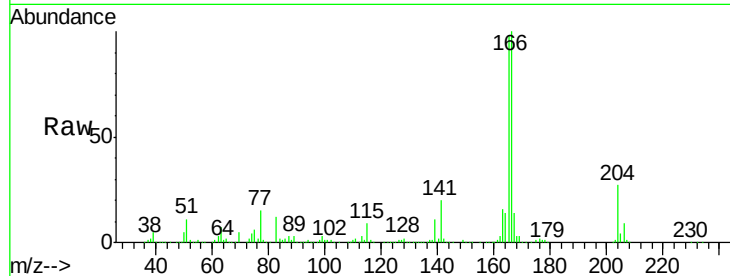
#57
 Fluorene
 Concen: 44.19 ng
 RT: 10.10 min Scan# 1397
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion:	166	Resp:	882662
Ion Ratio	Lower	Upper	
166	100		
165	98.0	78.8	118.2
167	13.7	10.6	16.0

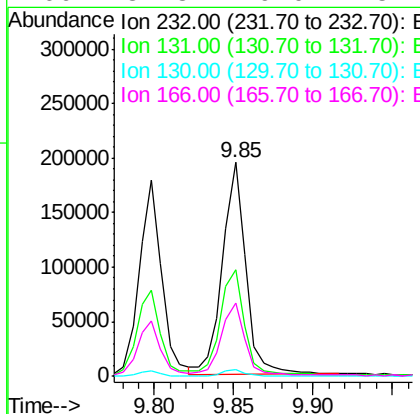
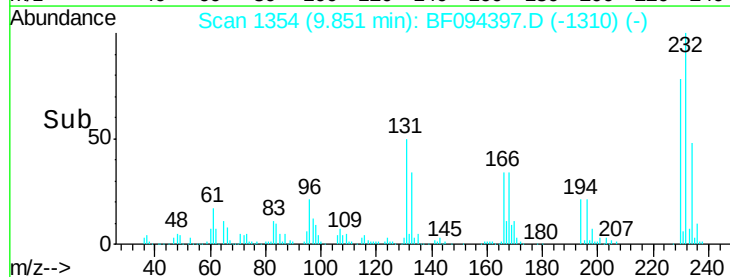
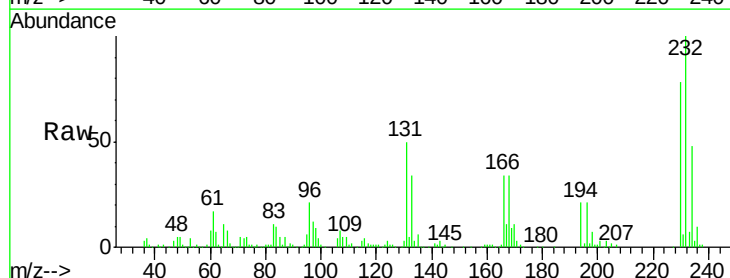
Manual Integrations
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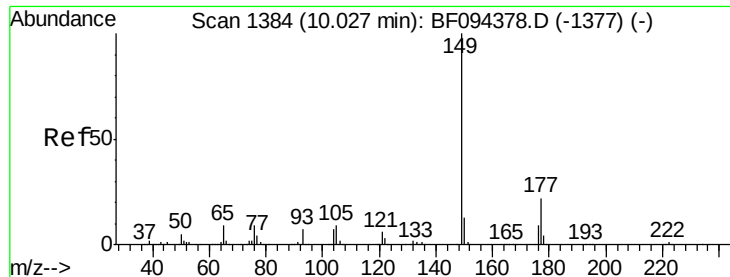
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 48.53 ng
 RT: 9.85 min Scan# 1354
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion:	232	Resp:	201547
Ion Ratio	Lower	Upper	
232	100		
131	53.2	44.8	67.2
130	2.8	2.3	3.5
166	34.8	29.0	43.4





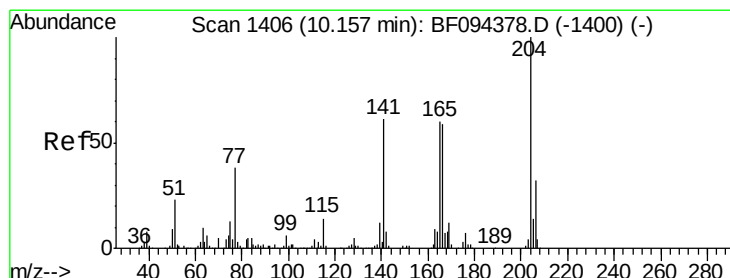
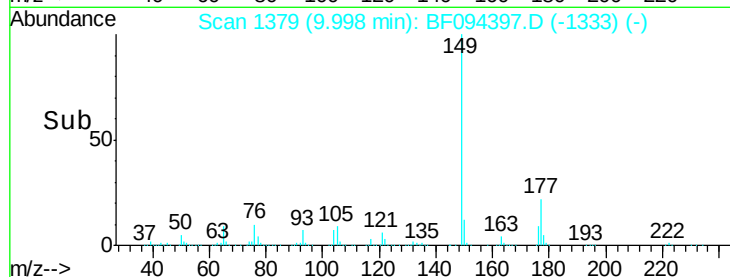
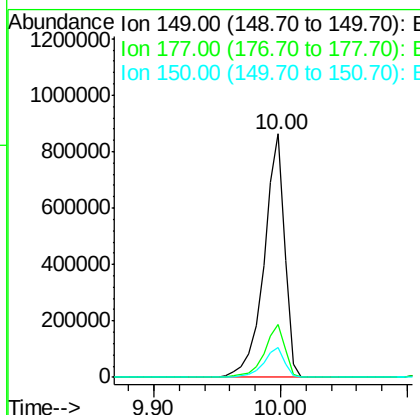
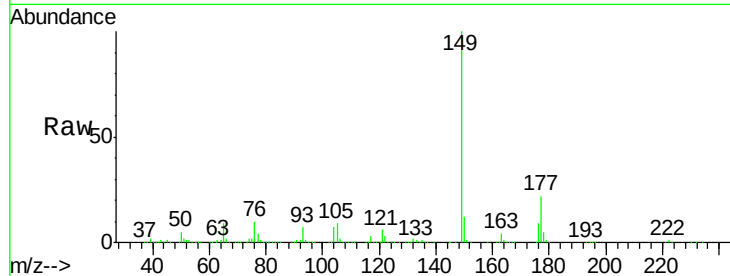
#59
Diethylphthalate
Concen: 47.83 ng
RT: 10.00 min Scan# 1379
Delta R.T. -0.03 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion:	149	Resp:	971113
Ion Ratio	Lower	Upper	
149	100		
177	21.7	16.7	25.1
150	12.5	10.2	15.2

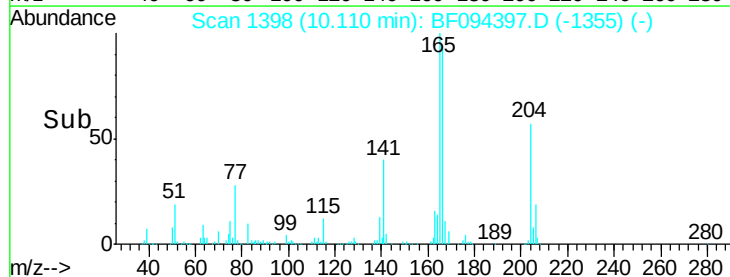
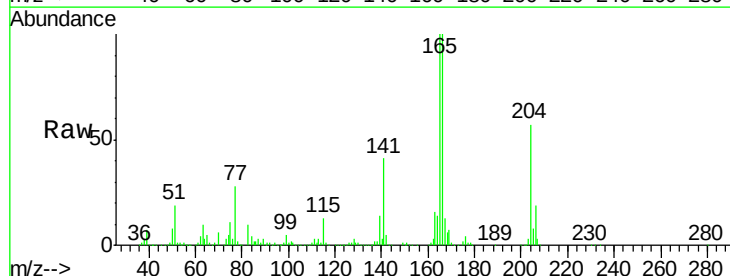
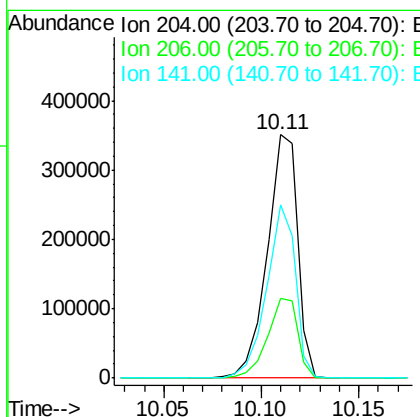
Manual Integrations
APPROVED

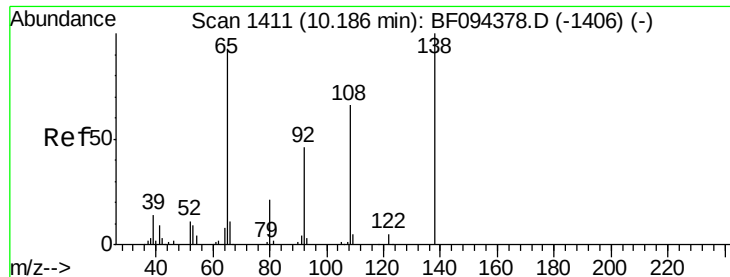
mohammad
4/14/2017 1:37:07 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.47 ng
RT: 10.11 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion:	204	Resp:	378417
Ion Ratio	Lower	Upper	
204	100		
206	32.8	26.2	39.2
141	70.9	60.8	91.2





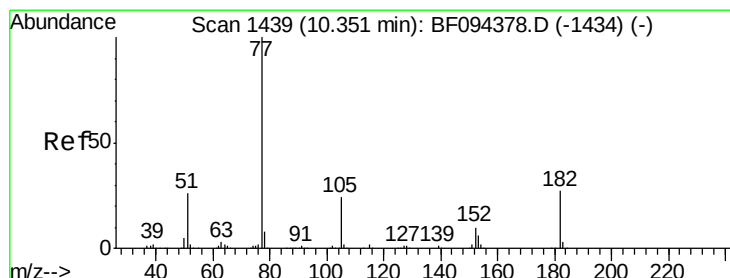
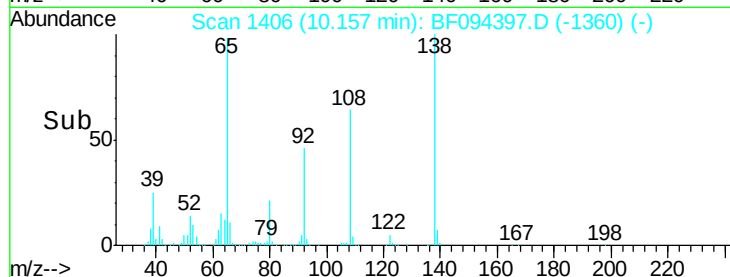
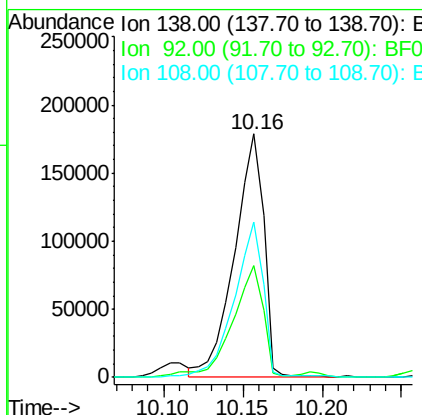
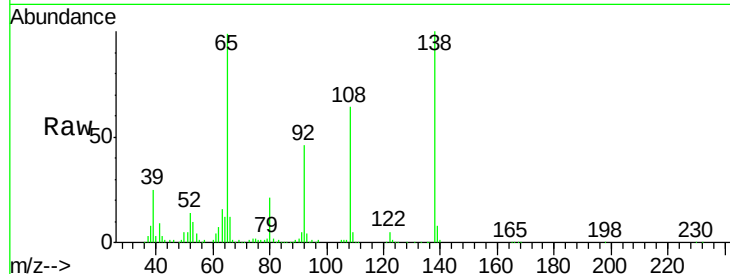
#61
4-Nitroaniline
Concen: 42.84 ng
RT: 10.16 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion:	138	Resp:	227356
Ion Ratio	Lower	Upper	
138	100		
92	45.8	21.8	61.8
108	63.8	42.3	82.3

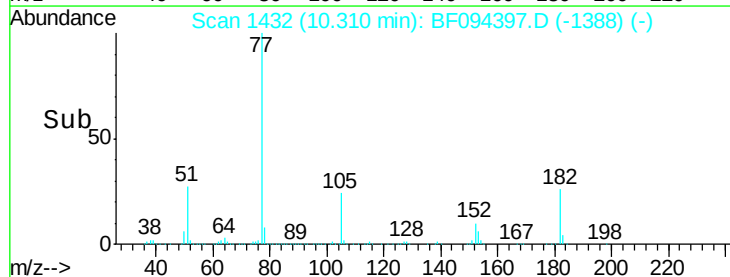
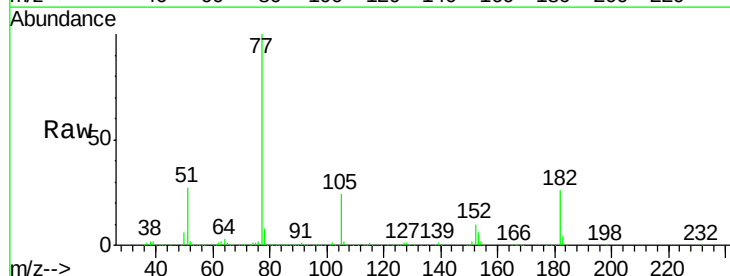
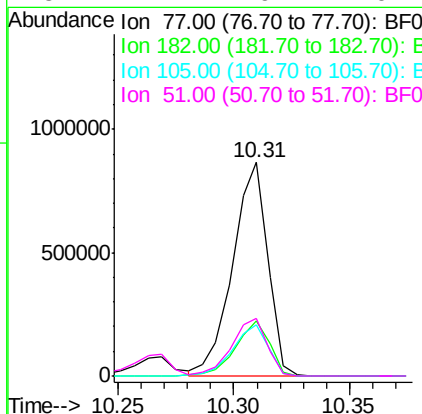
Manual Integrations
APPROVED

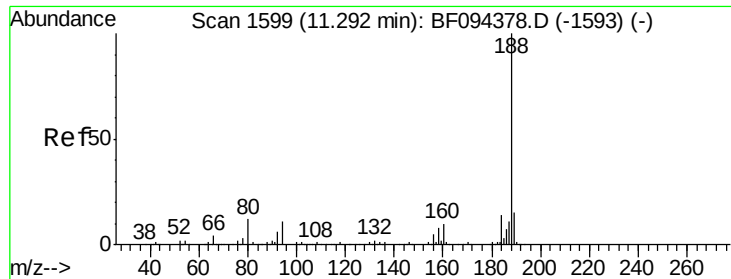
mohammad
4/14/2017 1:37:07 PM



#62
Azobenzene
Concen: 47.53 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion:	77	Resp:	912935
Ion Ratio	Lower	Upper	
77	100		
182	25.9	0.1	40.1
105	24.2	3.6	43.6
51	27.1	9.4	49.4





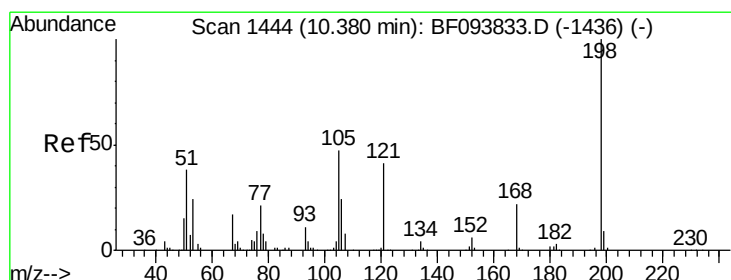
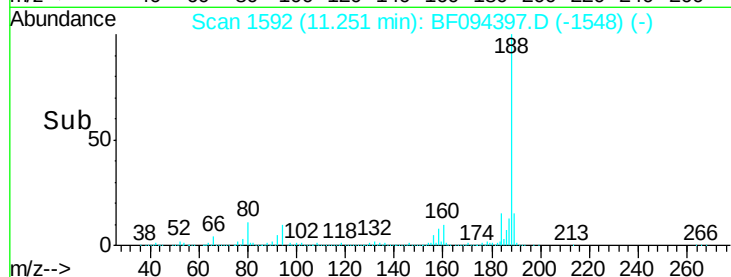
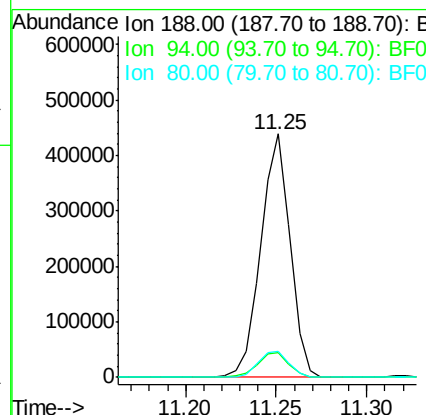
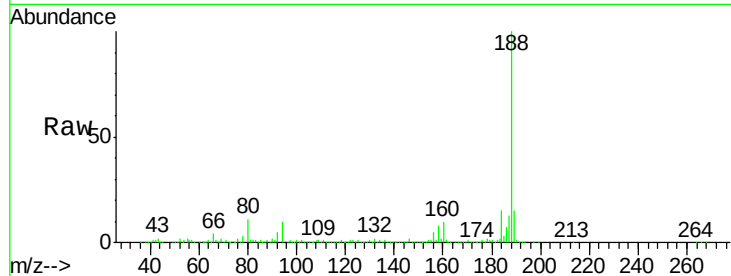
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1592
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	492863		
94	10.4		9.4	14.2
80	10.9		10.2	15.2

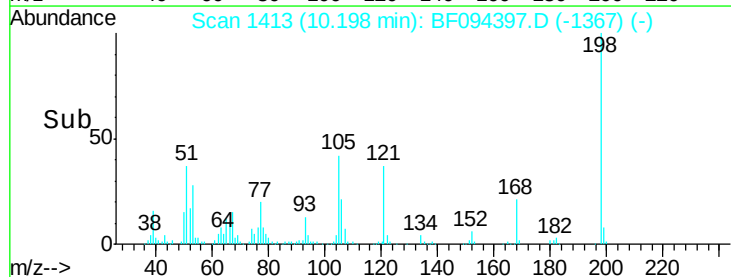
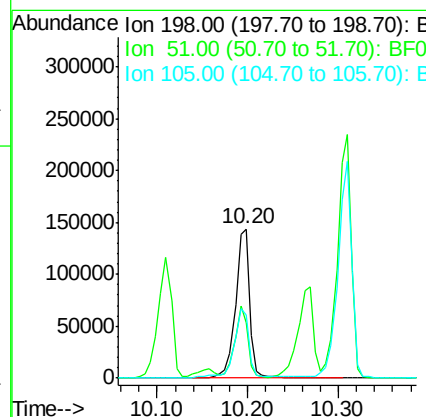
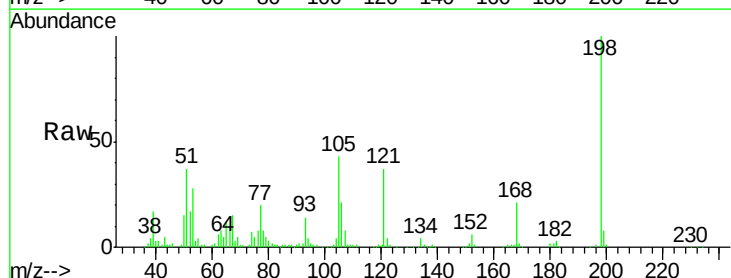
Manual Integrations
APPROVED

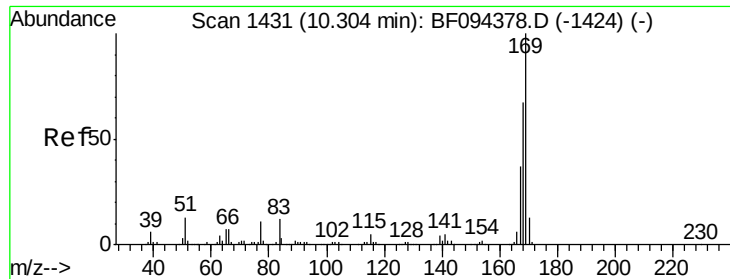
mohammad
4/14/2017 1:37:07 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 53.06 ng
RT: 10.20 min Scan# 1413
Delta R.T. -0.03 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	160155		
51	37.1		53.2	93.2#
105	42.6		45.8	85.8#





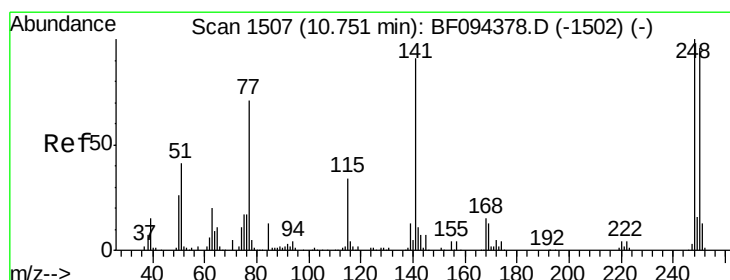
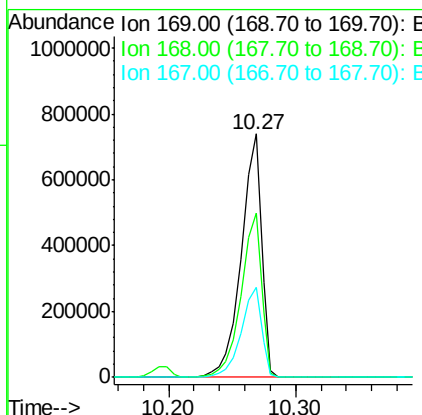
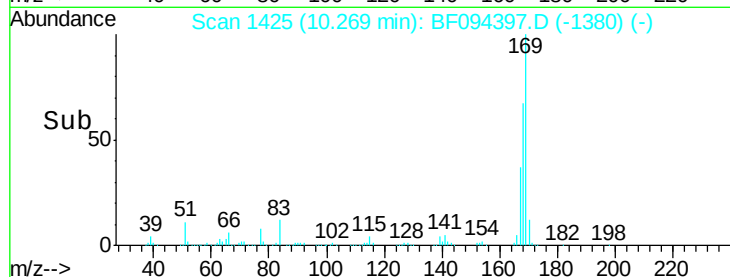
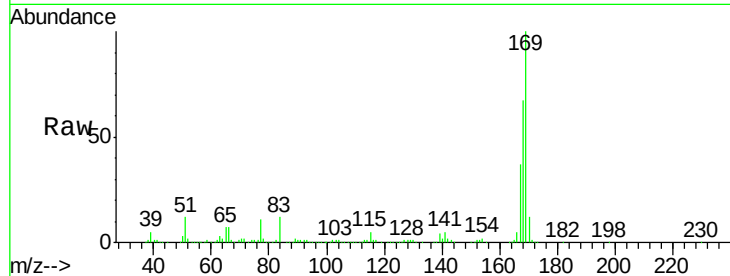
#65
 n-Nitrosodiphenylamine
 Concen: 47.94 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.2	79.8
167	36.8	29.5	44.3

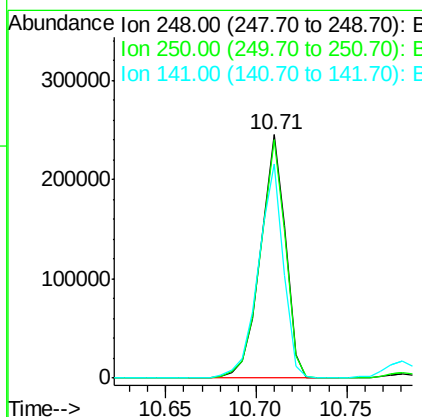
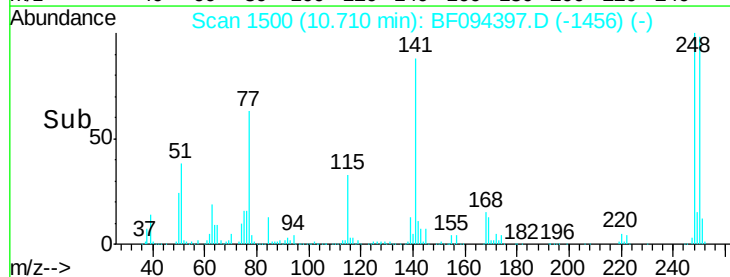
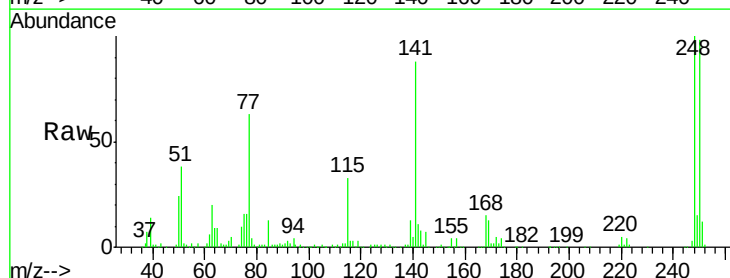
Manual Integrations
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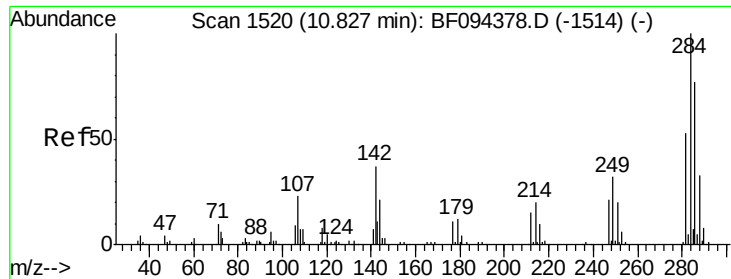
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#66
 4-Bromophenyl-phenylether
 Concen: 48.66 ng
 RT: 10.71 min Scan# 1500
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.8	115.2
141	88.1	68.6	103.0





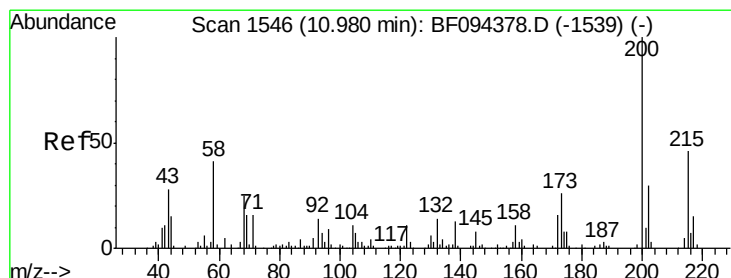
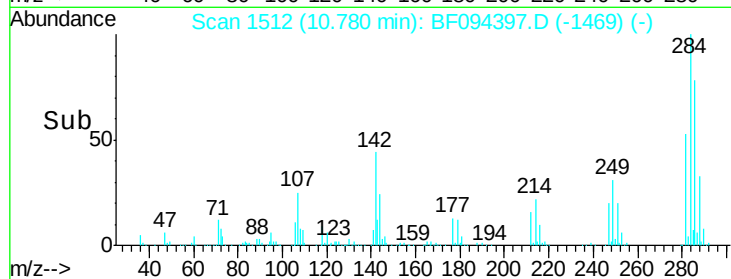
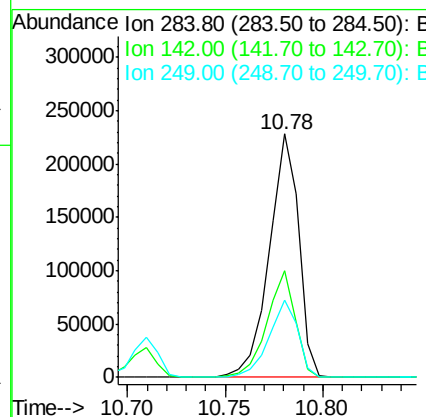
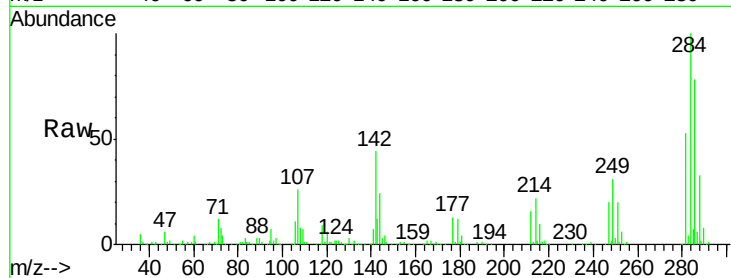
#67
Hexachlorobenzene
Concen: 48.54 ng
RT: 10.78 min Scan# 1512
Delta R.T. -0.05 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	238202		
142	43.6	22.8	34.2	
249	31.5	24.0	36.0	

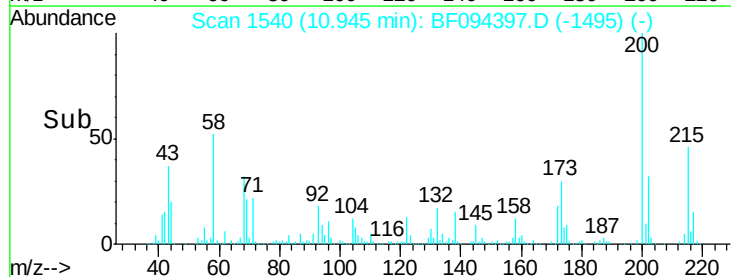
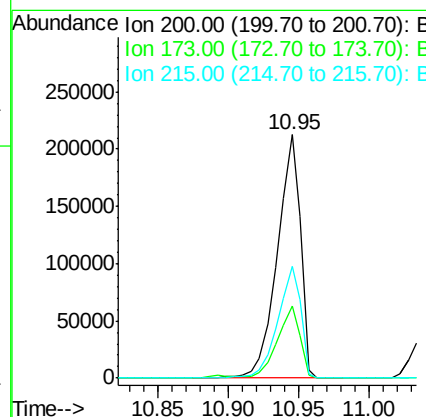
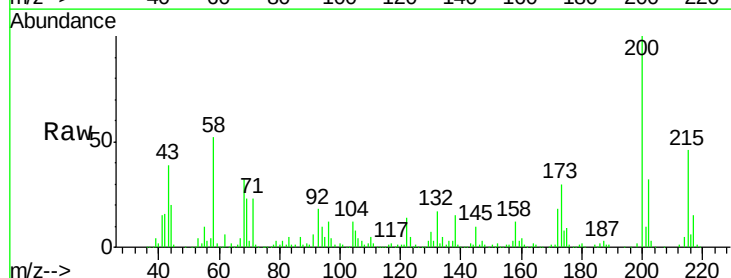
Manual Integrations
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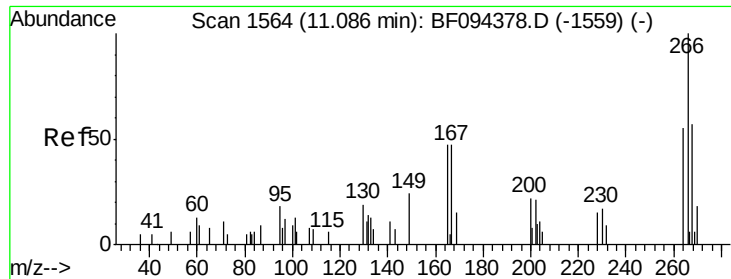
mohammad
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#68
Atrazine
Concen: 47.85 ng
RT: 10.95 min Scan# 1540
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	244270		
173	29.6	6.3	46.3	
215	45.9	27.2	67.2	





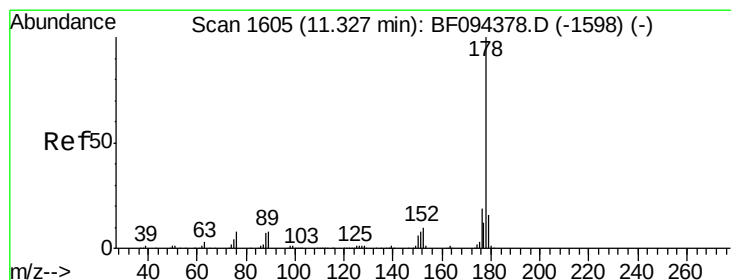
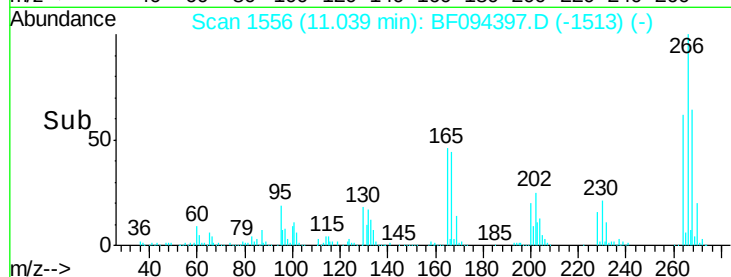
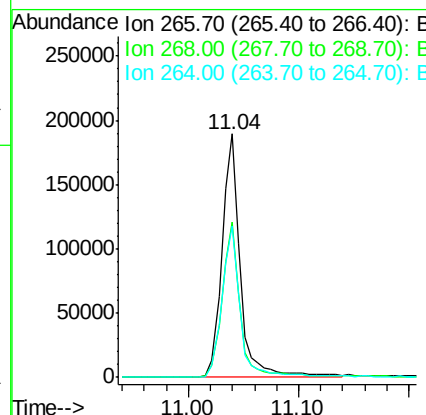
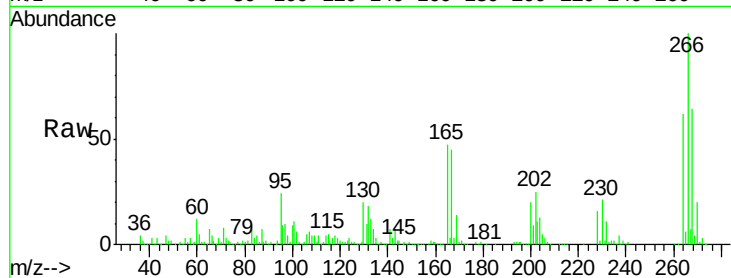
#69
 Pentachlorophenol
 Concen: 71.65 ng
 RT: 11.04 min Scan# 1556
 Delta R.T. -0.05 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.1	76.7
264	62.4	51.7	77.5

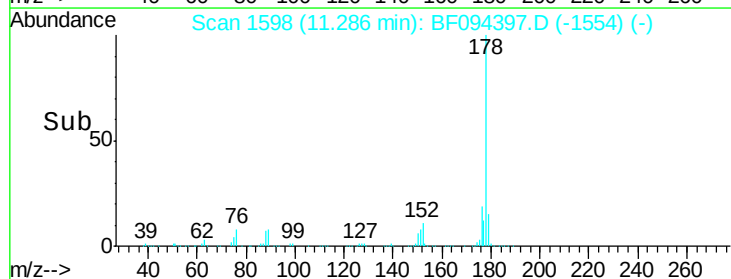
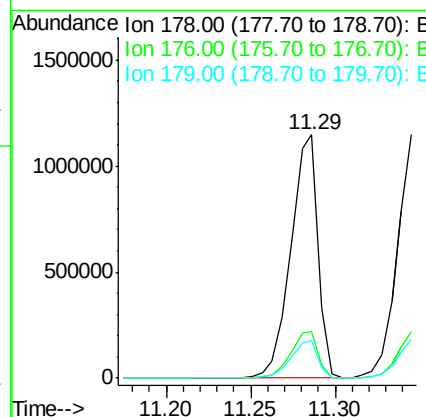
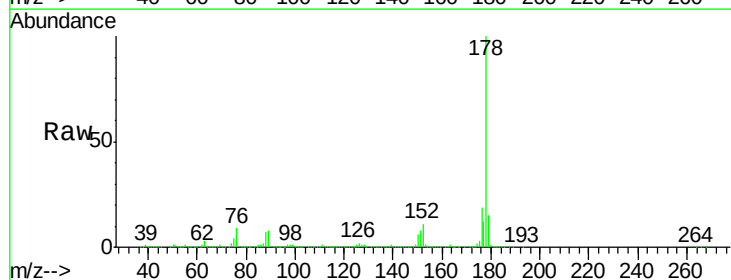
Manual Integrations
 APPROVED

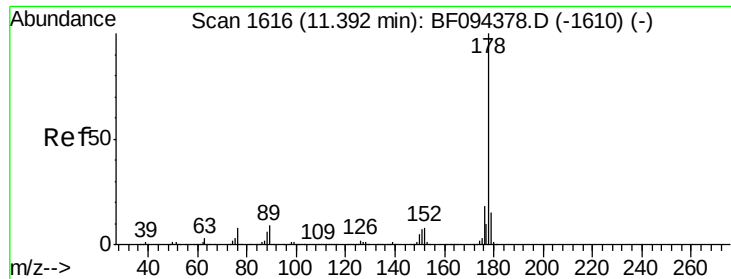
mohammad
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#70
 Phenanthrene
 Concen: 46.97 ng
 RT: 11.29 min Scan# 1598
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.3	12.6	19.0





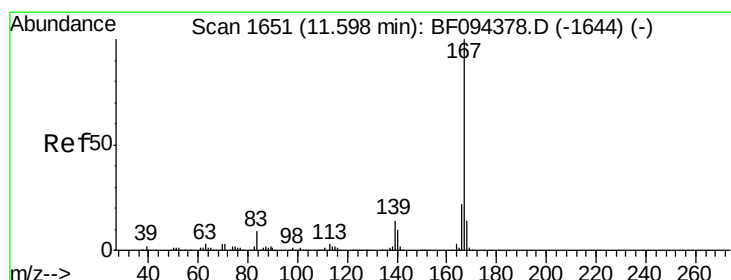
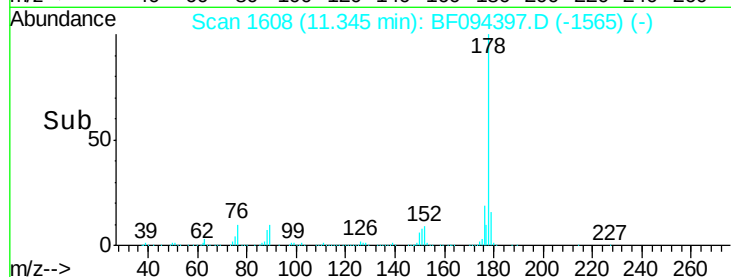
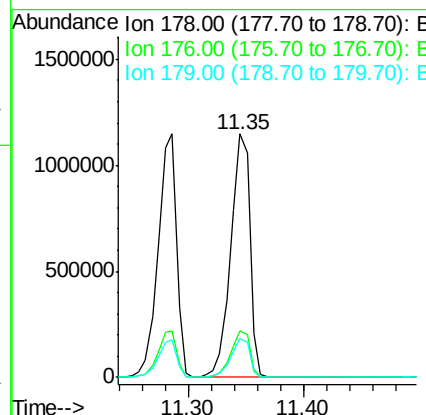
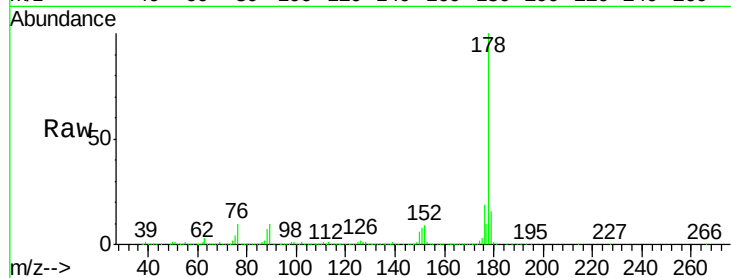
#71
 Anthracene
 Concen: 46.73 ng
 RT: 11.35 min Scan# 1608
 Delta R.T. -0.05 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion:178 Resp: 1319191
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 16.0 12.7 19.1

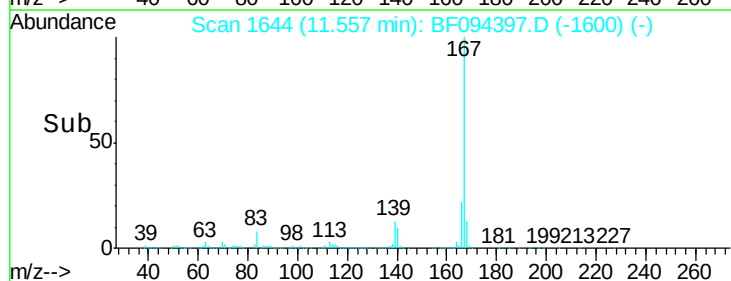
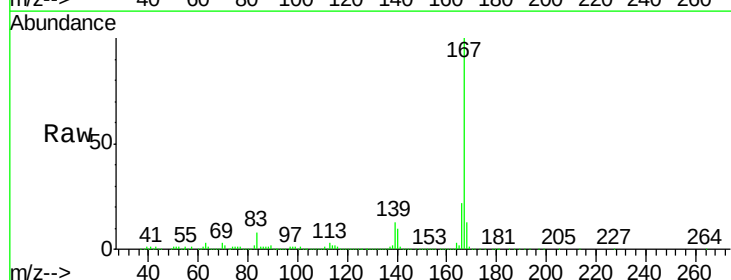
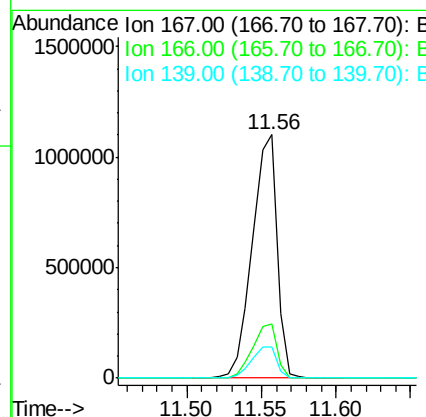
Manual Integrations
 APPROVED

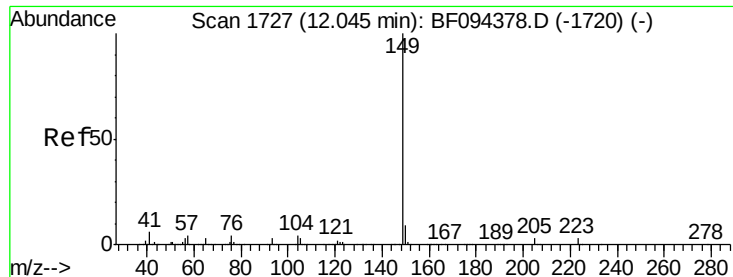
mohammad
 4/14/2017 1:37:07 PM



#72
 Carbazole
 Concen: 43.61 ng
 RT: 11.56 min Scan# 1644
 Delta R.T. -0.04 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion:167 Resp: 1262340
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.1 27.1
 139 12.9 11.7 17.5





#73

Di-n-butylphthalate

Concen: 49.12 ng

RT: 12.00 min Scan# 1720

Delta R.T. -0.04 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:149 Resp: 1478852

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

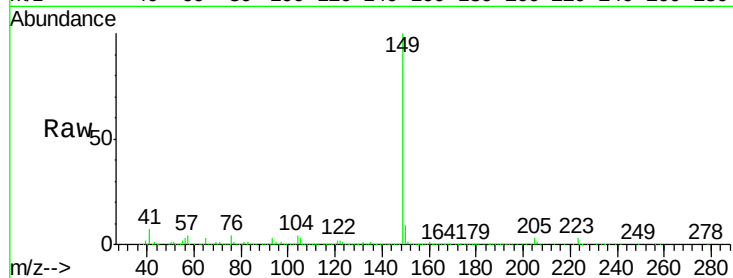
104 4.2 4.0 6.0

Manual Integrations

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mohammad

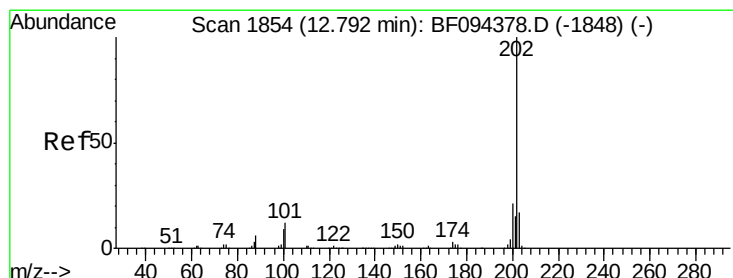
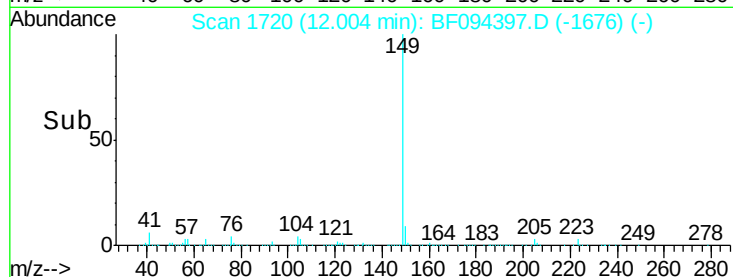
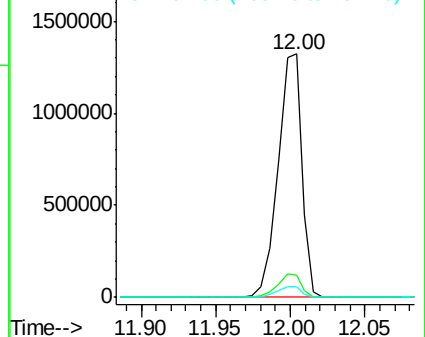
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.22 ng

RT: 12.74 min Scan# 1846

Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

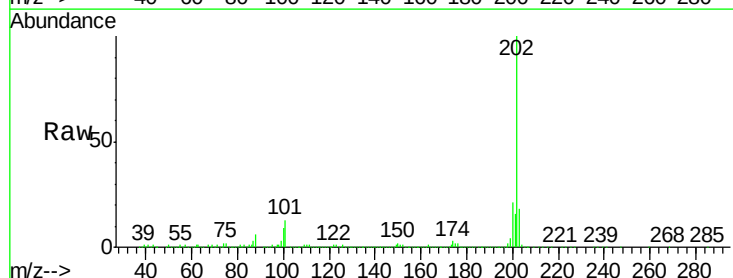
Tgt Ion:202 Resp: 1297584

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

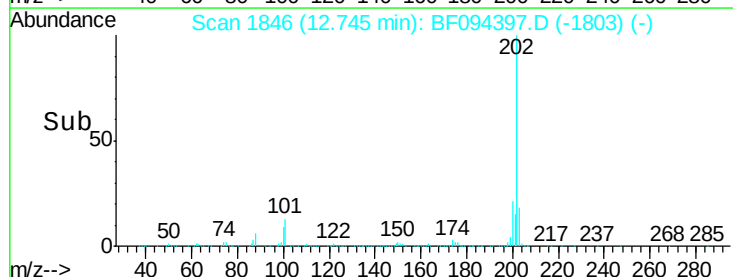
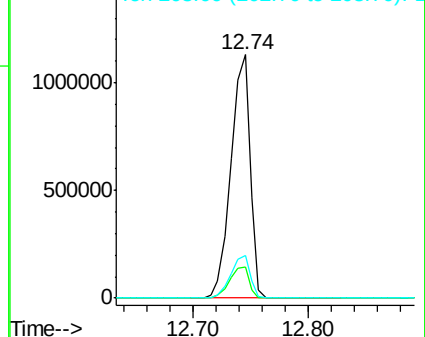
203 17.7 0.0 38.1

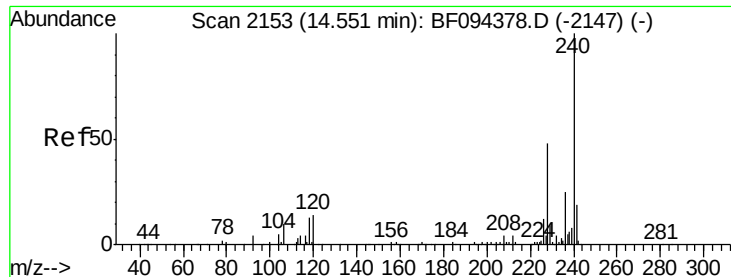


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.50 min Scan# 2145

Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

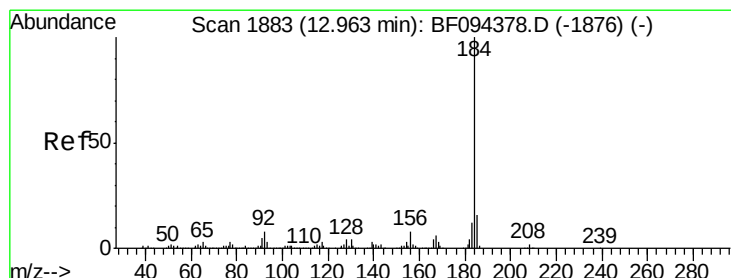
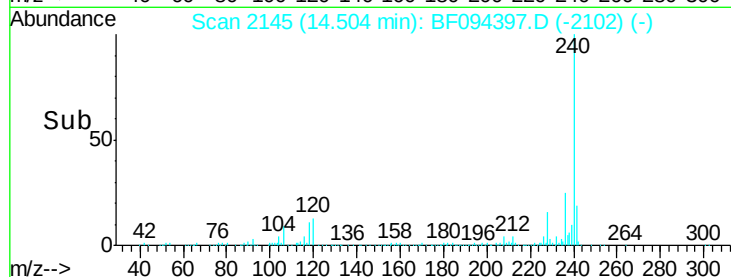
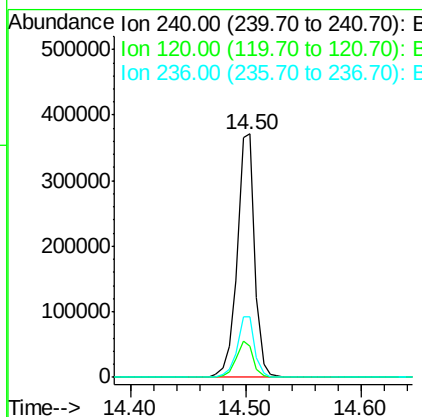
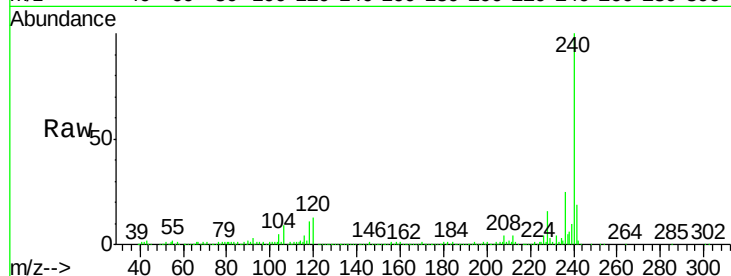
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	25.1	20.5	30.7

Manual Integrations
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#76

Benzidine

Concen: 21.41 ng

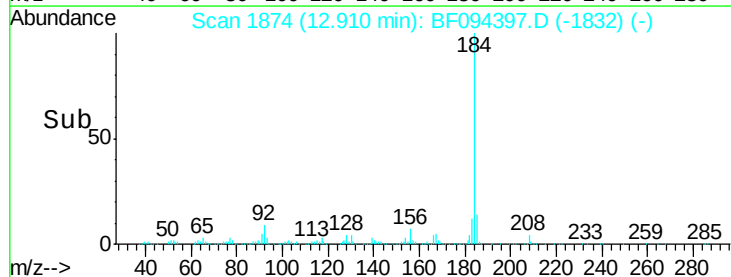
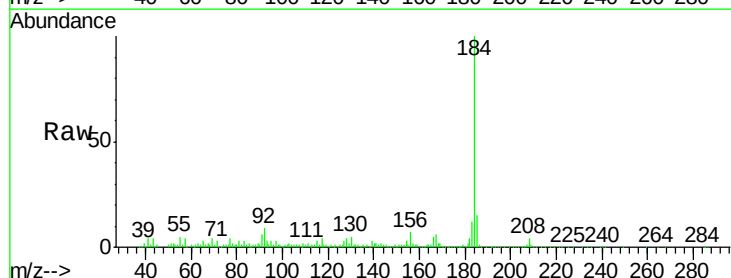
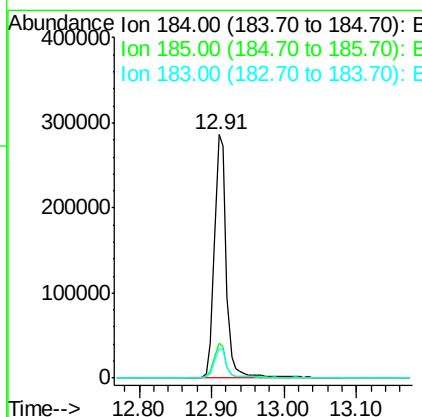
RT: 12.91 min Scan# 1874

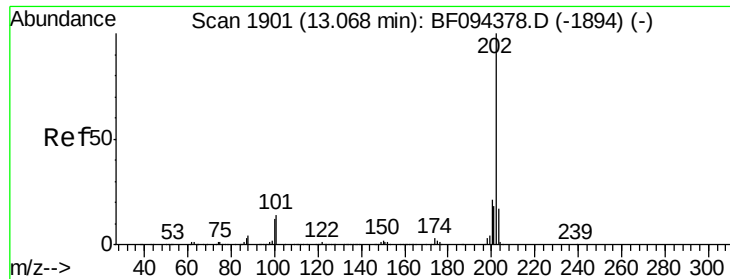
Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.5	15.5	23.3#
183	12.5	9.8	14.6





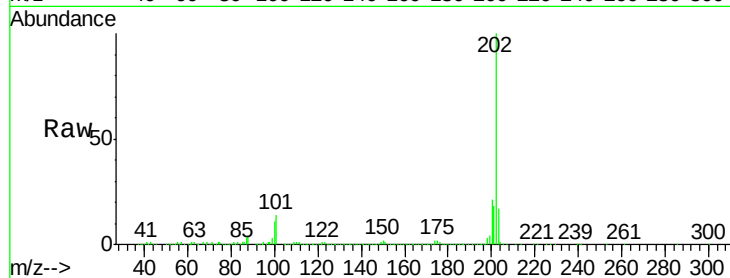
#77
Pvrene
Concen: 46.26 ng
RT: 13.02 min Scan# 1893
Delta R.T. -0.05 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.4	14.4	21.6

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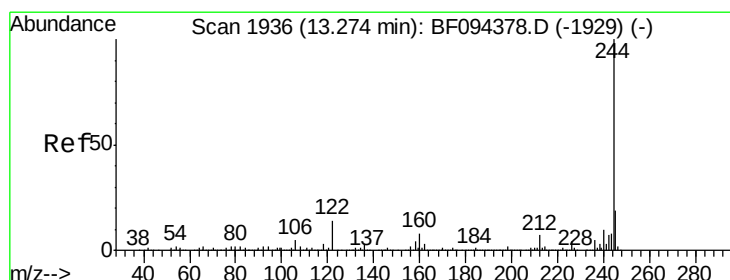
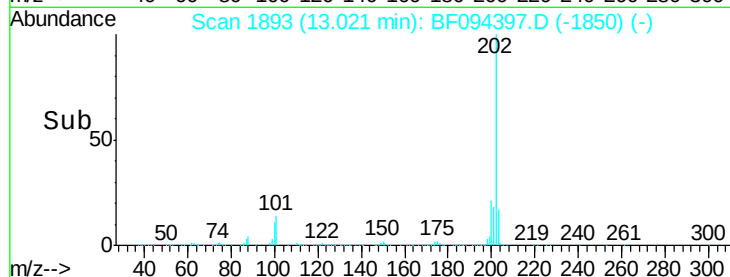
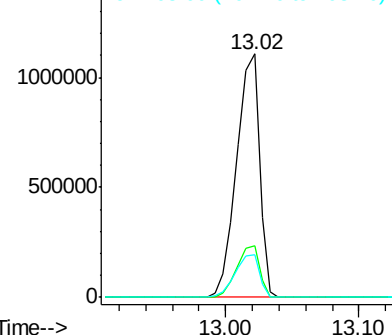


Abundance

Ion 202.00 (201.70 to 202.70): E

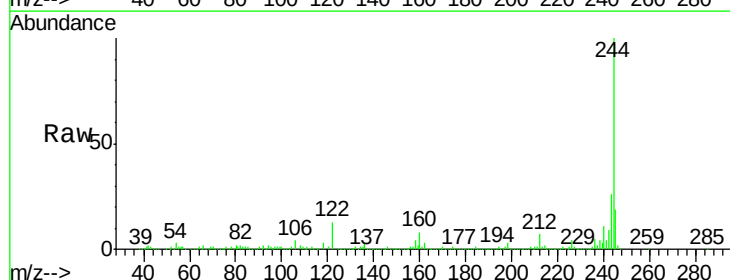
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 87.13 ng
RT: 13.23 min Scan# 1929
Delta R.T. -0.04 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.0	10.3	15.5

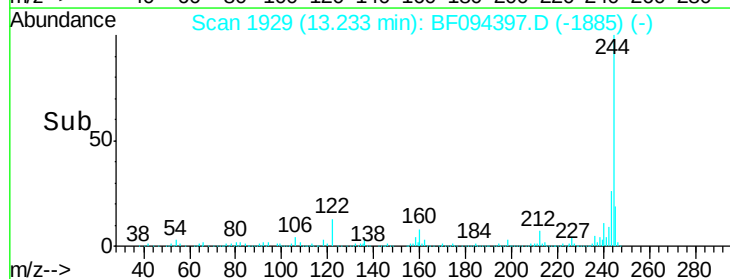
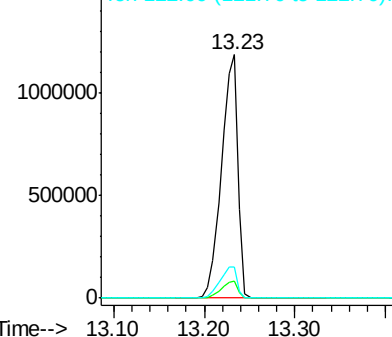


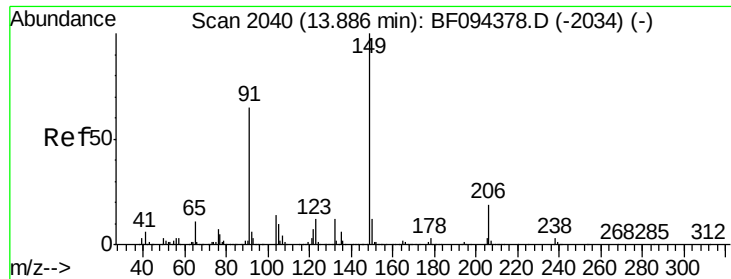
Abundance

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: 51.96 ng

RT: 13.84 min Scan# 2032

Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

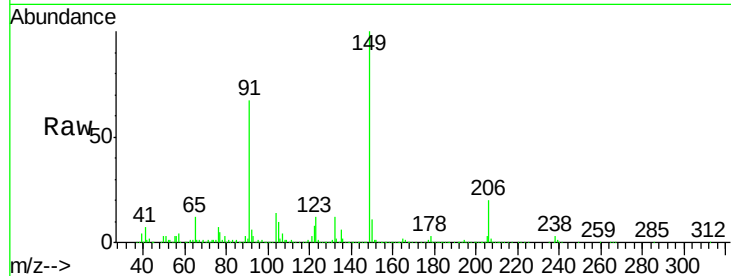
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:	149	Resp:	624585
Ion Ratio	Lower	Upper	
149	100		
91	66.9	45.0	67.4
206	19.6	17.0	25.6

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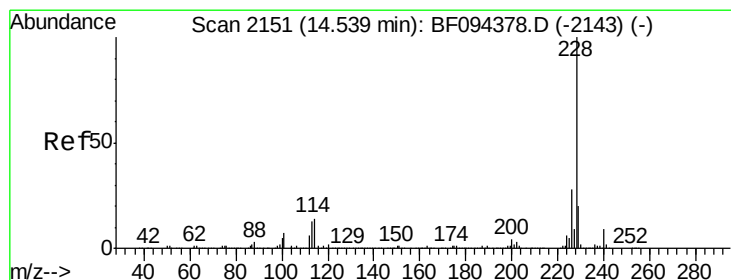
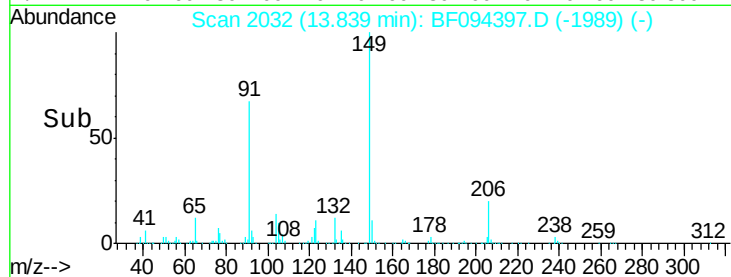
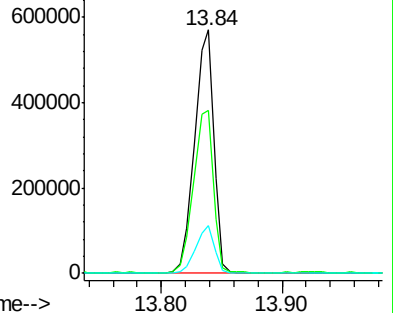
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.39 ng

RT: 14.49 min Scan# 2142

Delta R.T. -0.05 min

Lab File: BF094397.D

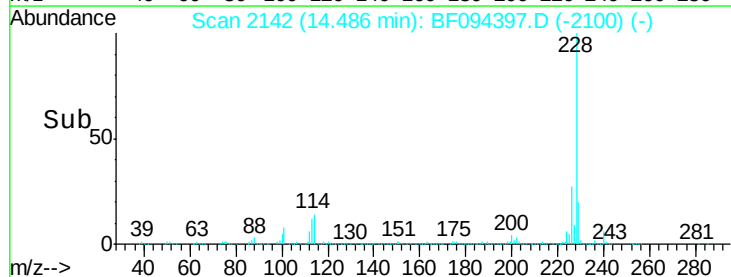
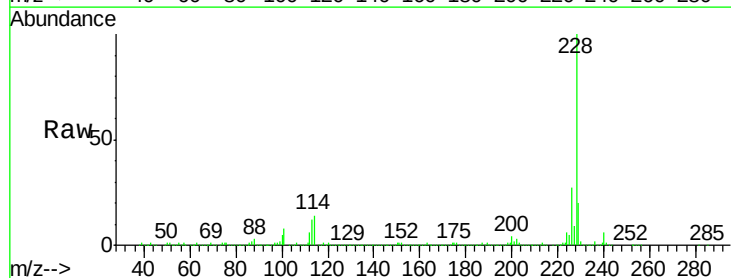
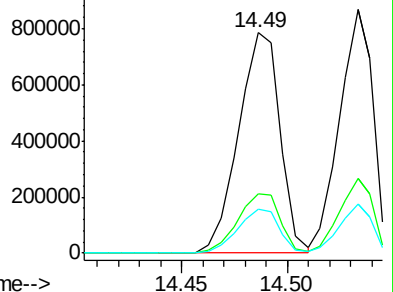
Acq: 13 Apr 2017 18:23

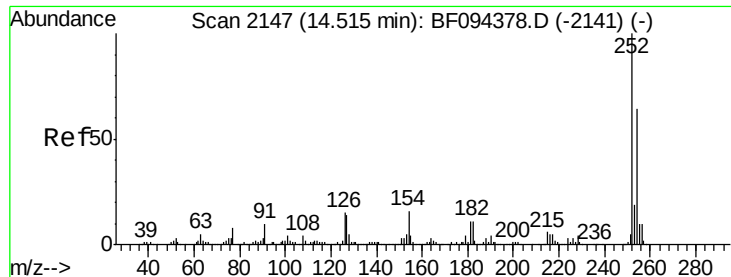
Tgt Ion:	228	Resp:	1074368
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	19.9	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 22.41 ng

RT: 14.46 min Scan# 2138

Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

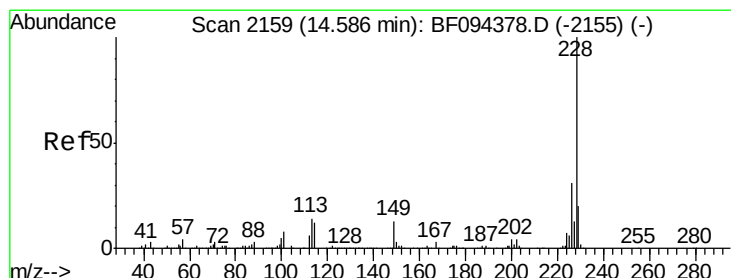
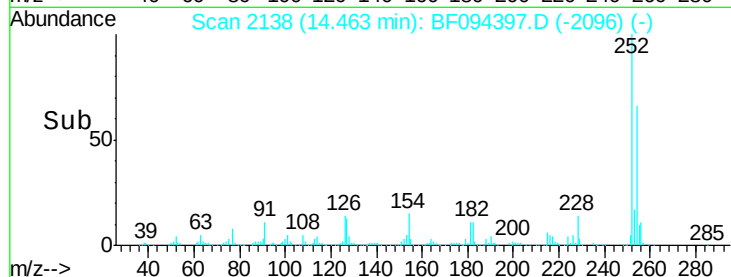
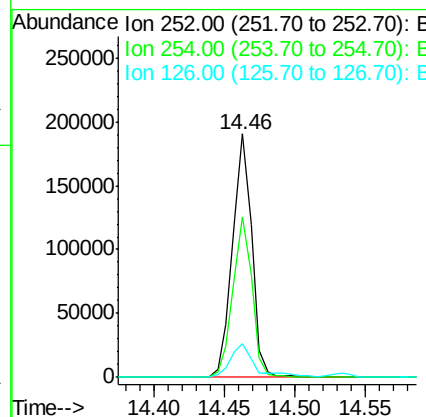
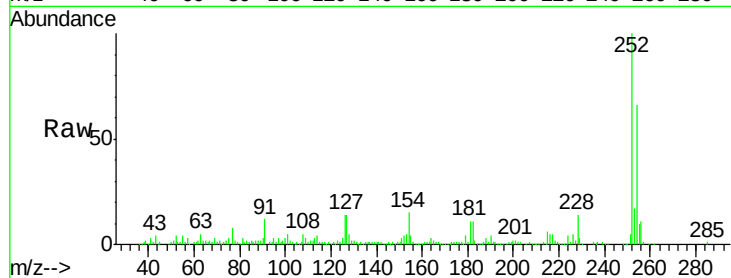
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:	252	Resp:	181625
Ion Ratio		Lower	Upper
252	100		
254	65.8	51.5	77.3
126	14.0	15.8	23.8#

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#82

Chrysene

Concen: 45.80 ng

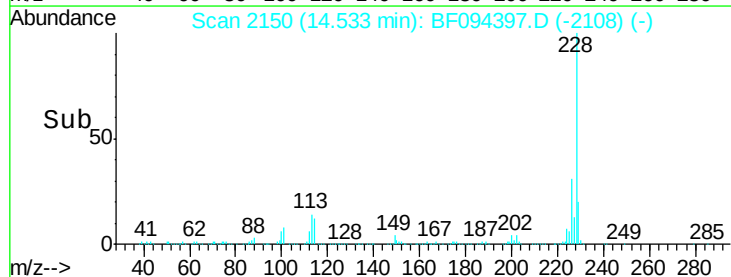
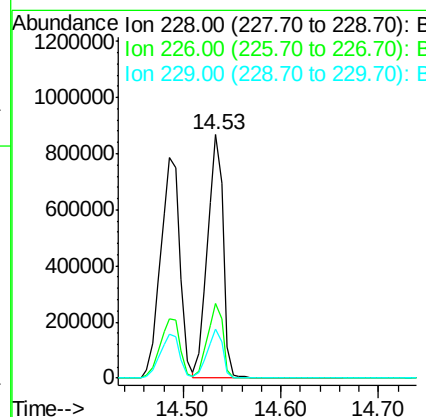
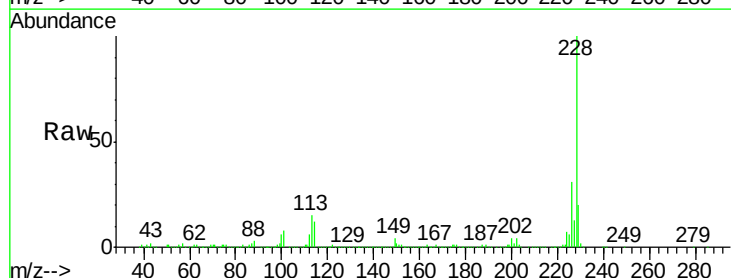
RT: 14.53 min Scan# 2150

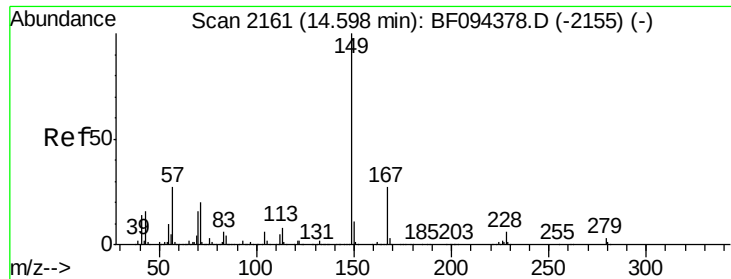
Delta R.T. -0.05 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion:	228	Resp:	963591
Ion Ratio		Lower	Upper
228	100		
226	30.5	24.9	37.3
229	20.1	15.8	23.6





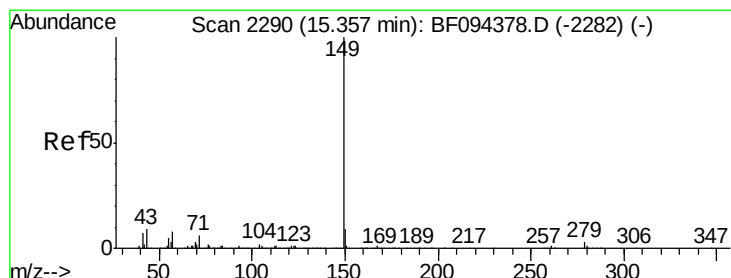
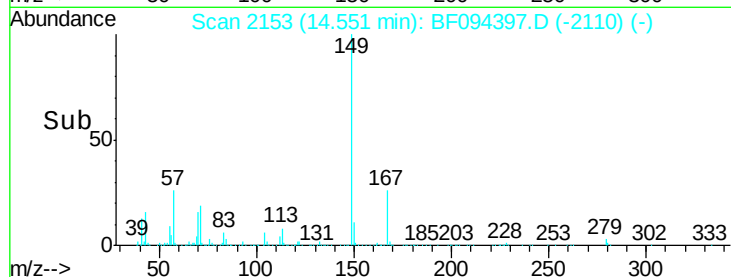
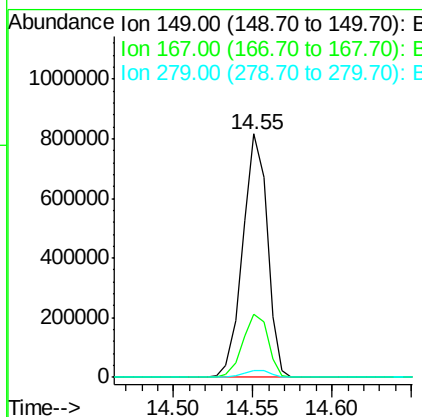
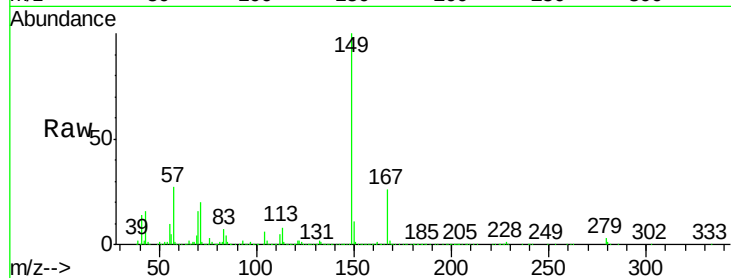
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.24 ng
 RT: 14.55 min Scan# 2153
 Delta R.T. -0.05 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleID :
 ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	3.1	1.9	2.9

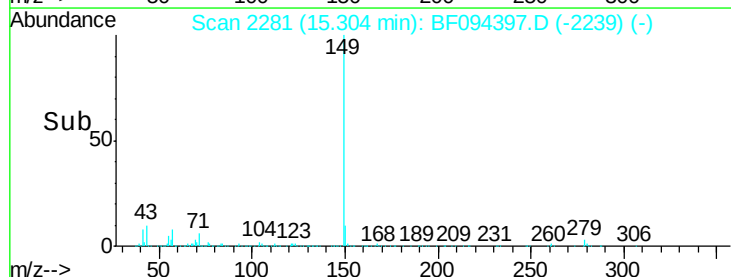
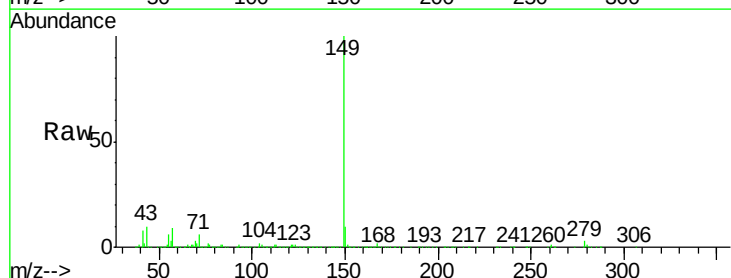
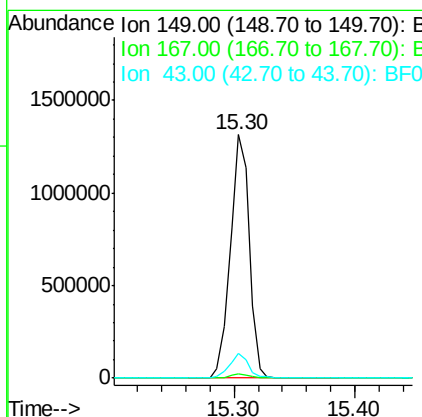
Manual Integrations
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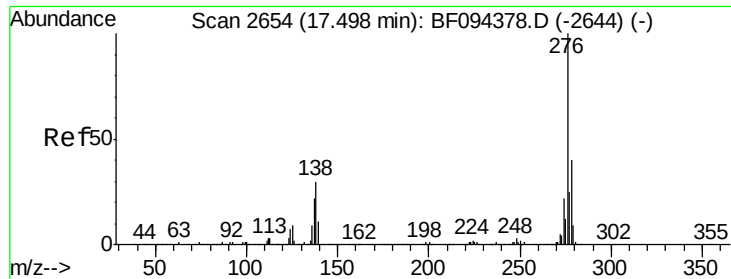
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#84
 Di-n-octyl phthalate
 Concen: 52.15 ng
 RT: 15.30 min Scan# 2281
 Delta R.T. -0.05 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.4	8.5	12.7





#85

Indeno(1,2,3-cd)pyrene

Concen: 45.19 ng

RT: 17.41 min Scan# 2639

Delta R.T. -0.09 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Instrument :

BNA_F

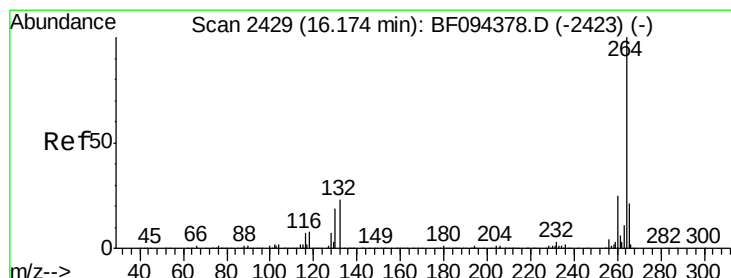
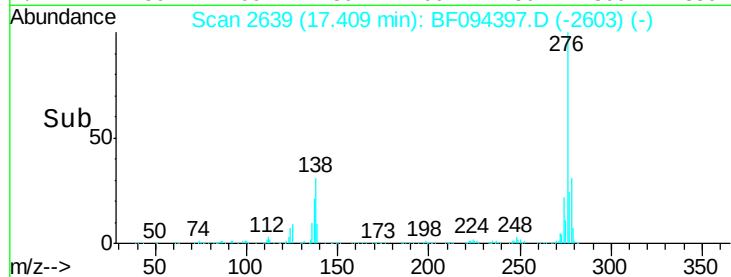
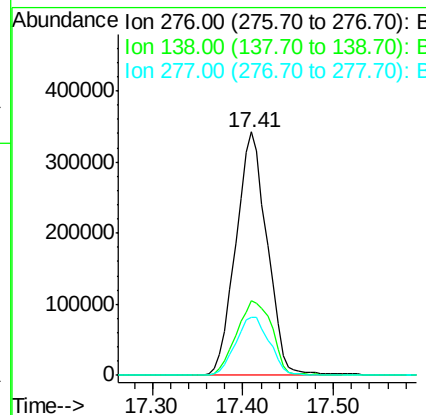
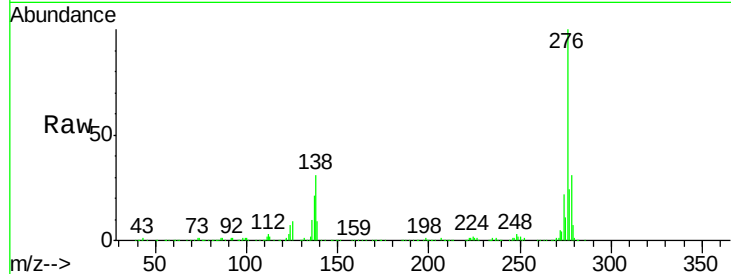
ClientSampleId :

ROLL-OFF-R4MS

Tot Ion:	276	Resp:	823344
Ion Ratio	Lower	Upper	
276	100		
138	34.8	27.8	41.6
277	25.9	20.2	30.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

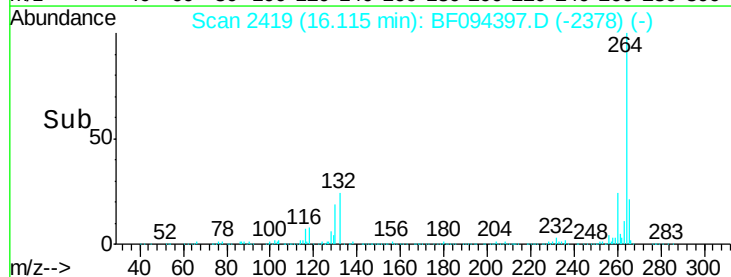
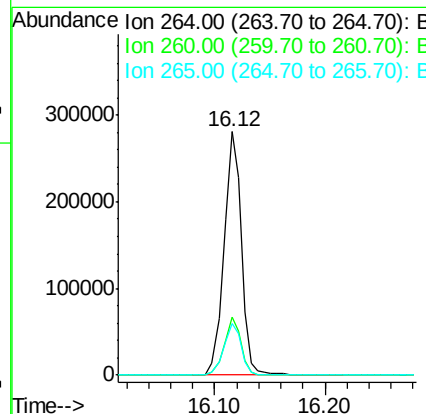
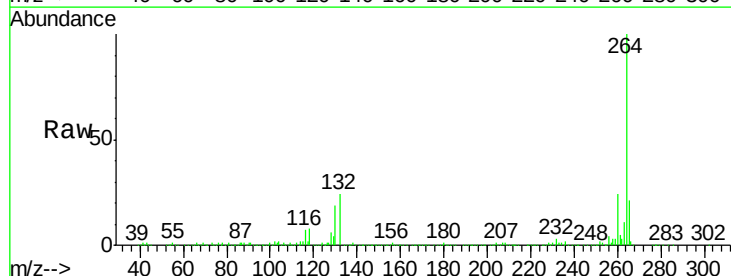
RT: 16.12 min Scan# 2419

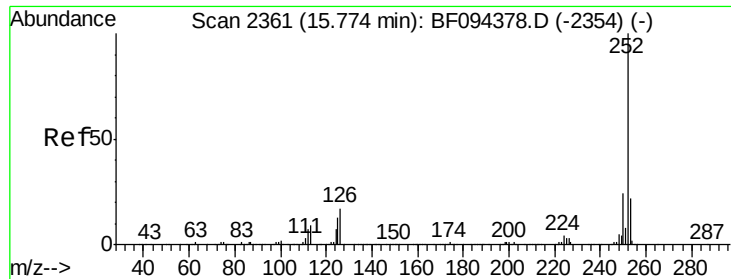
Delta R.T. -0.06 min

Lab File: BF094397.D

Acq: 13 Apr 2017 18:23

Tgt Ion:	264	Resp:	308004
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	21.1	17.2	25.8





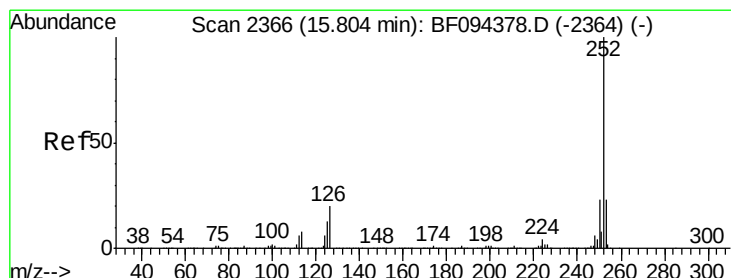
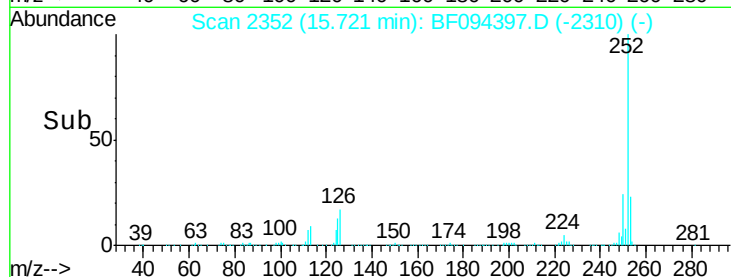
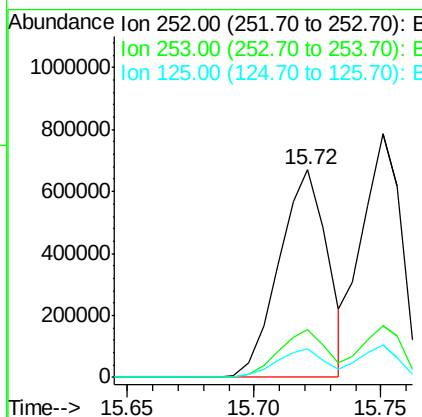
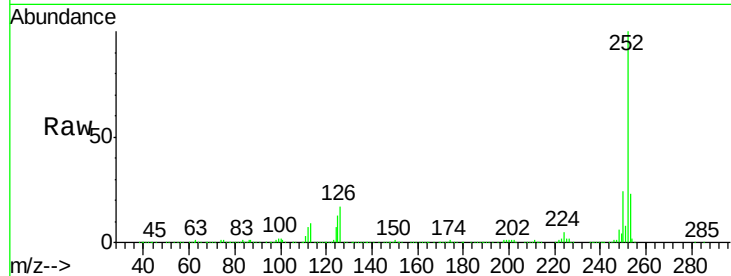
#87
Benzo(b)fluoranthene
Concen: 47.21 ng
RT: 15.72 min Scan# 2352
Delta R.T. -0.05 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.5	9.8	14.8

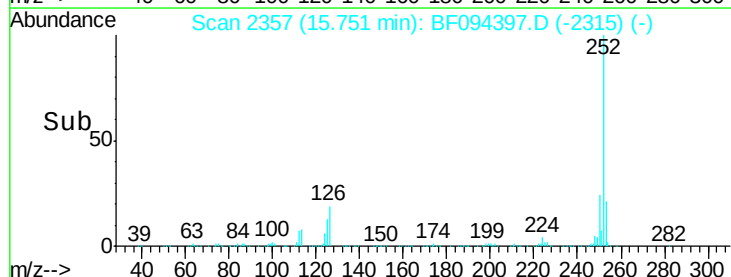
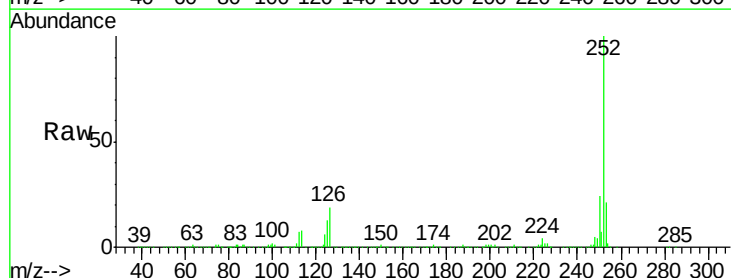
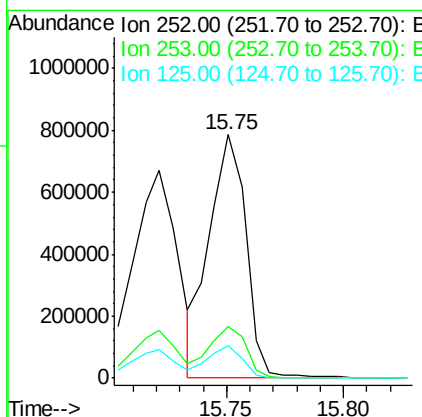
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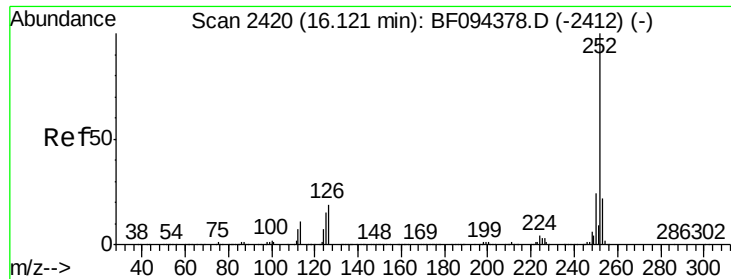
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#88
Benzo(k)fluoranthene
Concen: 46.56 ng m
RT: 15.75 min Scan# 2357
Delta R.T. -0.05 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.4	27.6
125	13.1	13.1	19.7#





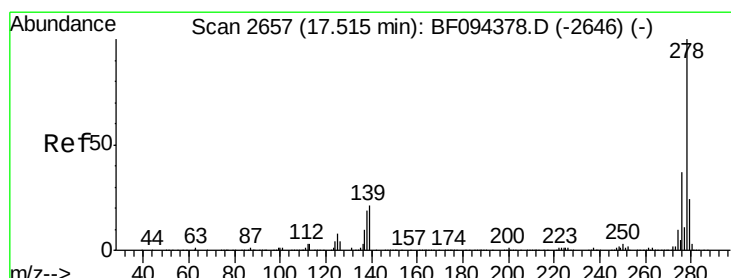
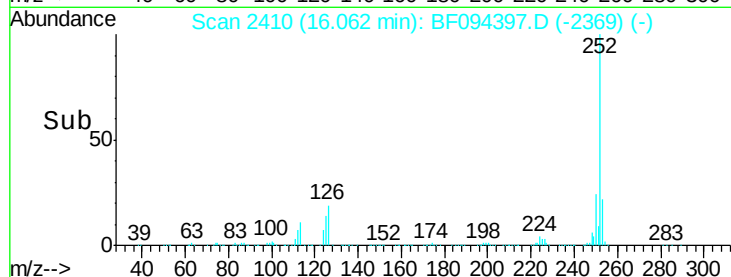
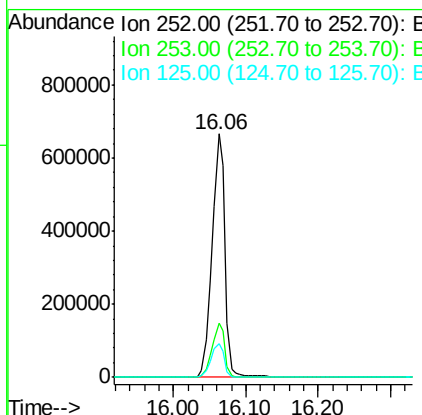
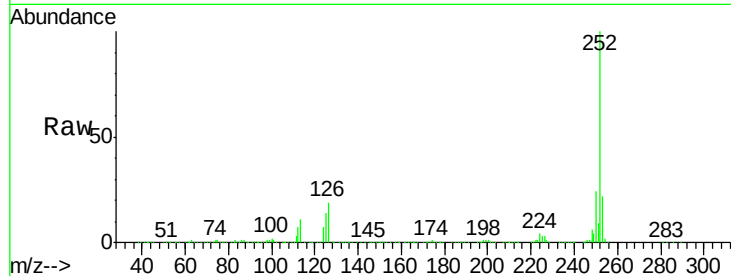
#89
Benzo(a)pyrene
Concen: 47.13 ng
RT: 16.06 min Scan# 2410
Delta R.T. -0.06 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MS

Tot Ion:	252	Resp:	819317
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.5	26.3
125	14.0	11.0	16.4

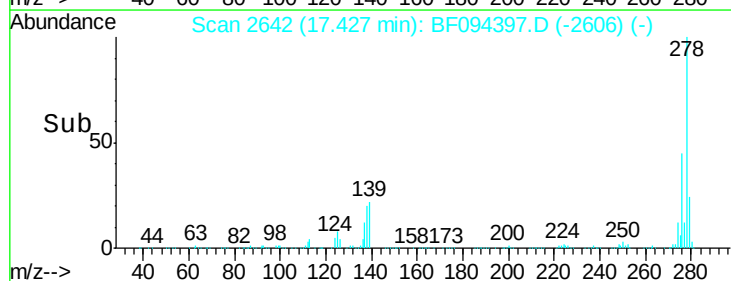
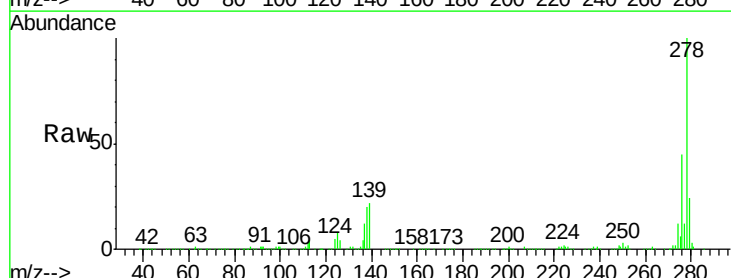
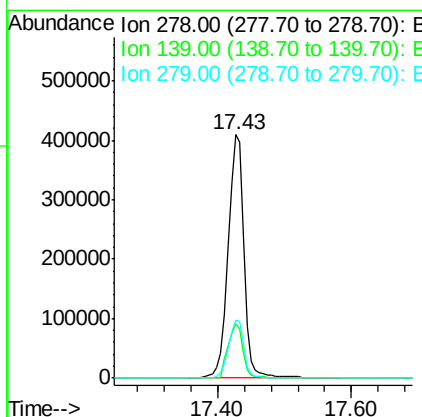
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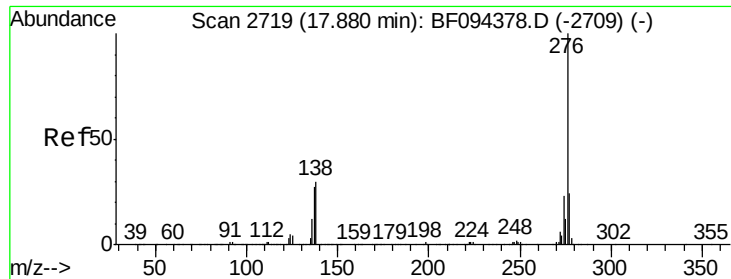
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#90
Dibenzo(a,h)anthracene
Concen: 47.08 ng
RT: 17.43 min Scan# 2642
Delta R.T. -0.09 min
Lab File: BF094397.D
Acq: 13 Apr 2017 18:23

Tgt Ion:	278	Resp:	693250
Ion Ratio	Lower	Upper	
278	100		
139	22.2	16.6	24.8
279	23.9	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 46.79 ng
 RT: 17.79 min Scan# 2704
 Delta R.T. -0.09 min
 Lab File: BF094397.D
 Acq: 13 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	29.9	25.4	38.0

Manual Integrations
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