

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094398.D
 Acq On : 13 Apr 2017 18:50
 Operator : SJ/MA
 Sample : I2670-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Manual Integrations
 APPROVED

mohammad
 4/14/2017 1:37:04 PM

Quant Time: Apr 14 02:08:05 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	157324	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	647153	20.00	ng	-0.05
38) Acenaphthene-d10	9.43	164	299025	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	523685	20.00	ng	-0.04
75) Chrysene-d12	14.50	240	404916	20.00	ng	-0.05
86) Perylene-d12	16.12	264	323112	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	4.36	112	1093200	117.36	ng	-0.01
7) Phenol-d6	5.43	99	1278193	110.93	ng	-0.04
23) Nitrobenzene-d5	6.44	82	937200	82.65	ng	-0.05
41) 2,4,6-Tribromophenol	10.41	330	332644	140.78	ng	-0.04
44) 2-Fluorobiphenyl	8.62	172	1789489	91.28	ng	-0.04
78) Terphenyl-d14	13.23	244	1503409	83.22	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.27	88	148510	33.19	ng	# 83
3) Pyridine	2.74	79	330145	27.07	ng	98
4) n-Nitrosodimethylamine	2.67	42	199987	39.85	ng	86
6) Aniline	5.42	93	107696	6.72	ng	# 61
8) 2-Chlorophenol	5.56	128	461690	45.09	ng	98
9) Benzaldehyde	5.29	77	113308	14.56	ng	97
10) Phenol	5.44	94	471113	35.93	ng	93
11) bis(2-Chloroethyl)ether	5.50	93	469241	45.79	ng	96
12) 1,3-Dichlorobenzene	5.72	146	495795	43.17	ng	99
13) 1,4-Dichlorobenzene	5.80	146	500994	43.07	ng	96
14) 1,2-Dichlorobenzene	5.98	146	453212	42.31	ng	98
15) Benzyl Alcohol	5.97	79	372985	44.22	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.12	45	587940	37.23	ng	# 25
17) 2-Methylphenol	6.12	107	373820	42.63	ng	# 88
18) Hexachloroethane	6.37	117	178243	43.60	ng	# 82
19) n-Nitroso-di-n-propylamine	6.28	70	350414	47.32	ng	95
20) 3+4-Methylphenols	6.30	107	527241	49.65	ng	# 63
22) Acetophenone	6.26	105	680087	47.15	ng	# 86
24) Nitrobenzene	6.46	77	491948	43.99	ng	92
25) Isophorone	6.75	82	903195	45.33	ng	95
26) 2-Nitrophenol	6.83	139	275618	51.68	ng	95
27) 2,4-Dimethylphenol	6.92	122	438047	47.66	ng	97
28) bis(2-Chloroethoxy)methane	7.02	93	589502	44.86	ng	98
29) 2,4-Dichlorophenol	7.15	162	420511	48.94	ng	99
30) 1,2,4-Trichlorobenzene	7.22	180	412018	46.56	ng	98
31) Naphthalene	7.32	128	1437531	46.20	ng	99
32) Benzoic acid	7.11	122	236273	38.62	ng	89
33) 4-Chloroaniline	7.39	127	84227	6.68	ng	# 93
34) Hexachlorobutadiene	7.47	225	207496	45.72	ng	99
35) Caprolactam	7.86	113	105622m	38.55	ng	
36) 4-Chloro-3-methylphenol	8.03	107	445545	49.62	ng	88
37) 2-Methylnaphthalene	8.16	142	997525	48.09	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.36	216	371197	45.38	ng	99
40) Hexachlorocyclopentadiene	8.35	237	346077	90.41	ng	99

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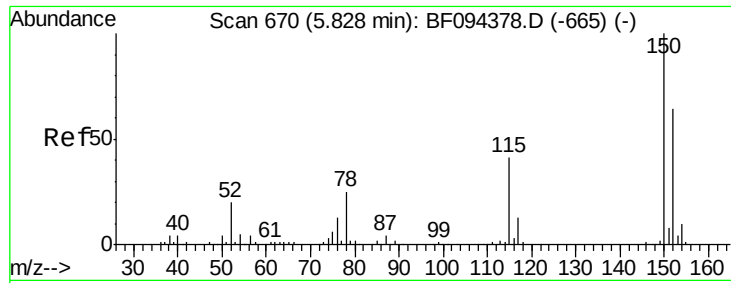
Manual Integrations
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 4/14/2017 1:37:04 PM

Quant Time: Apr 14 02:08:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.52	196	286661	49.53	nq	98
43) 2,4,5-Trichlorophenol	8.58	196	288607	46.09	nq	94
45) 1,1'-Biphenyl	8.73	154	1112796	46.14	nq	98
46) 2-Chloronaphthalene	8.75	162	874314	46.31	nq	95
47) 2-Nitroaniline	8.89	65	259963	46.42	nq	# 85
48) Acenaphthylene	9.26	152	1364123	43.47	nq	100
49) Dimethylphthalate	9.13	163	1062174	49.97	nq	100
50) 2,6-Dinitrotoluene	9.19	165	238278	48.90	nq	# 89
51) Acenaphthene	9.47	154	838300	45.79	nq	99
52) 3-Nitroaniline	9.39	138	87581	15.31	nq	89
53) 2,4-Dinitrophenol	9.53	184	255013	96.76	nq	# 72
54) Dibenzofuran	9.69	168	1174975	47.14	nq	99
55) 4-Nitrophenol	9.67	139	410463	91.60	nq	89
56) 2,4-Dinitrotoluene	9.69	165	287782	47.02	nq	# 85
57) Fluorene	10.10	166	918741	44.45	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.85	232	219912	51.18	nq	94
59) Diethylphthalate	10.00	149	1009048	48.03	nq	99
60) 4-Chlorophenyl-phenylether	10.11	204	397118	45.10	nq	96
61) 4-Nitroaniline	10.16	138	229939	41.88	nq	94
62) Azobenzene	10.31	77	955200	48.06	nq	95
64) 4,6-Dinitro-2-methylphenol	10.20	198	166614	51.95	nq	# 68
65) n-Nitrosodiphenylamine	10.27	169	851474	47.02	nq	99
66) 4-Bromophenyl-phenylether	10.71	248	248862	48.32	nq	98
67) Hexachlorobenzene	10.78	284	248988	47.76	nq	# 86
68) Atrazine	10.94	200	251302	46.33	nq	97
69) Pentachlorophenol	11.04	266	228636	70.45	nq	98
70) Phenanthrene	11.28	178	1353354	46.46	nq	99
71) Anthracene	11.34	178	1381134	46.05	nq	99
72) Carbazole	11.56	167	1318307	42.86	nq	98
73) Di-n-butylphthalate	12.00	149	1561209	48.81	nq	99
74) Fluoranthene	12.74	202	1353412	45.37	nq	99
76) Benzidine	12.91	184	98209	6.13	nq	# 92
77) Pyrene	13.02	202	1371210	46.66	nq	100
79) Butylbenzylphthalate	13.84	149	657936	52.55	nq	# 87
80) Benzo(a)anthracene	14.49	228	1120174	47.44	nq	100
81) 3,3'-Dichlorobenzidine	14.46	252	203782	24.15	nq	# 97
82) Chrysene	14.53	228	996357	45.47	nq	99
83) Bis(2-ethylhexyl)phthalate	14.55	149	910583	53.31	nq	100
84) Di-n-octyl phthalate	15.31	149	1503318	52.68	nq	97
85) Indeno(1,2,3-cd)pyrene	17.41	276	888220	46.81	nq	99
87) Benzo(b)fluoranthene	15.72	252	939209	47.42	nq	99
88) Benzo(k)fluoranthene	15.76	252	915900	47.26	nq	# 94
89) Benzo(a)pyrene	16.06	252	856746	46.97	nq	98
90) Dibenzo(a,h)anthracene	17.43	278	734304	47.54	nq	99
91) Benzo(g,h,i)perylene	17.79	276	733695	47.13	nq	97

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



#1

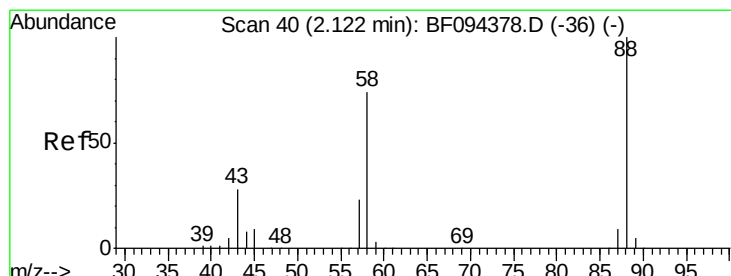
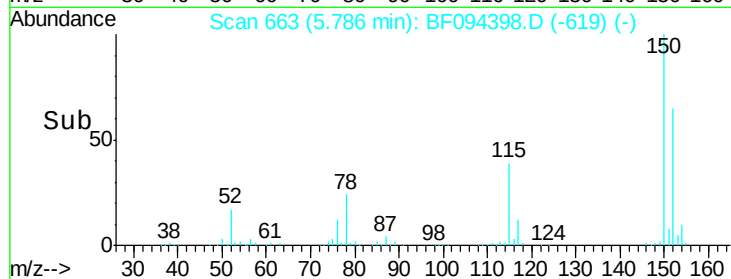
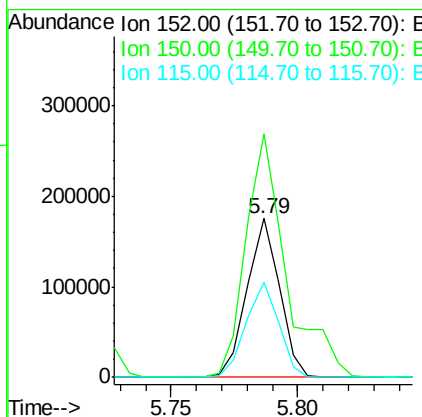
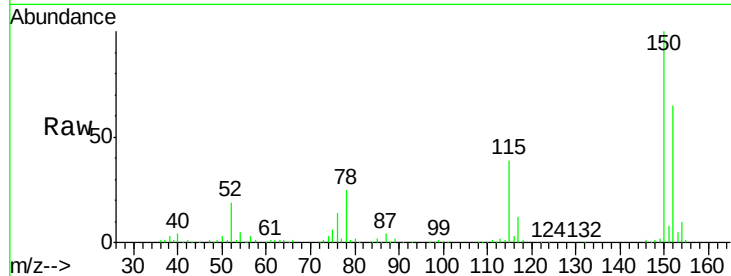
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	60.0	52.2	78.2

Manual Integrations
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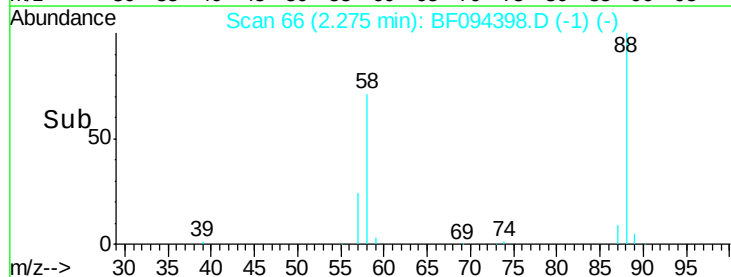
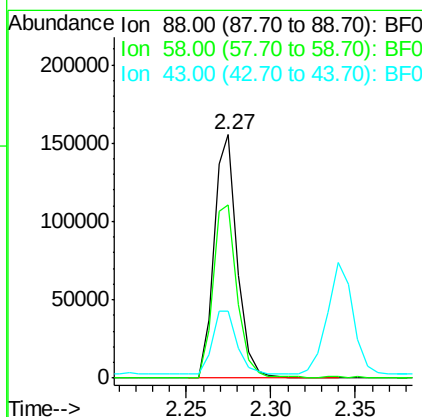
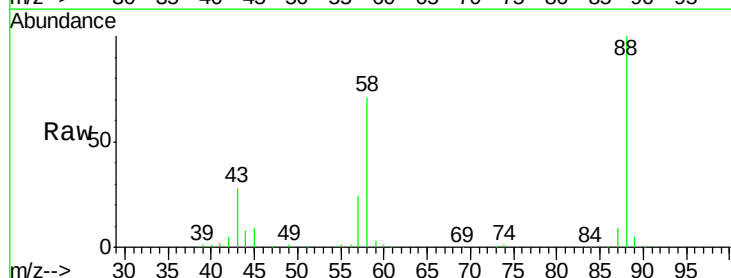
mohammad
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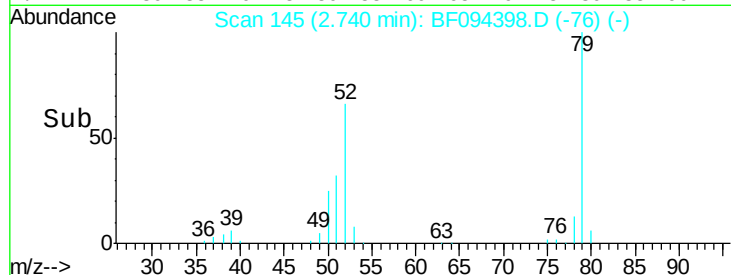
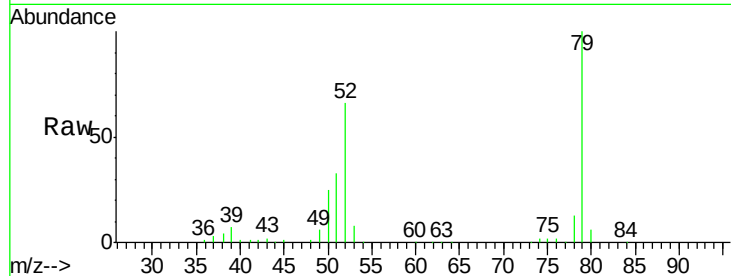
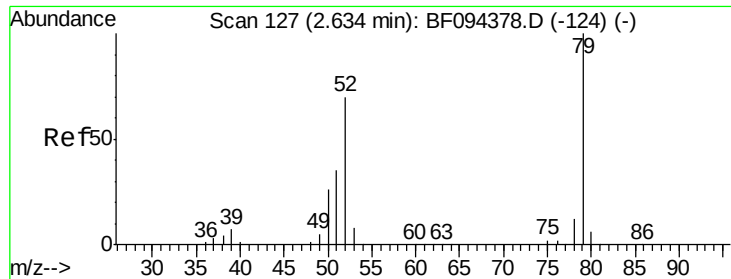


#2

1,4-Dioxane
Concen: 33.19 ng
RT: 2.27 min Scan# 66
Delta R.T. 0.15 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.7	61.4	92.0
43	0.0	23.4	35.0





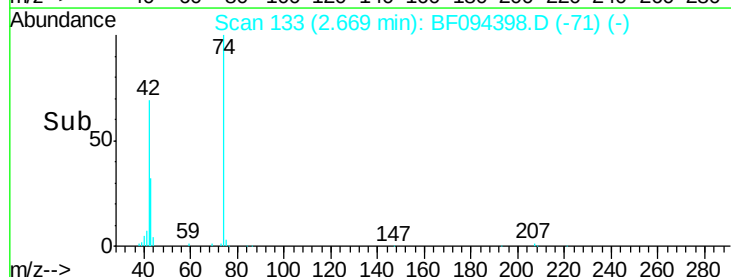
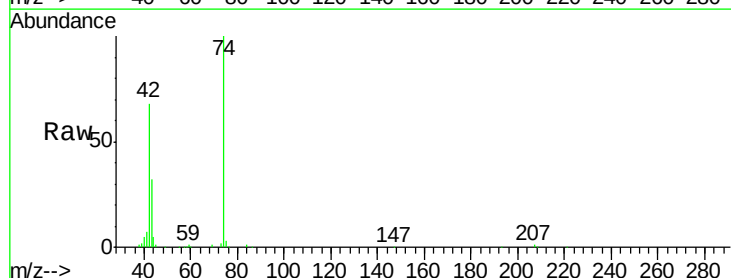
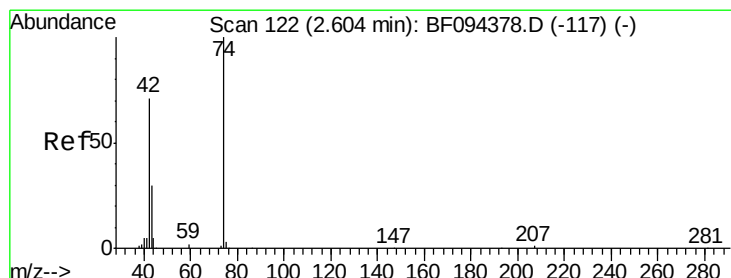
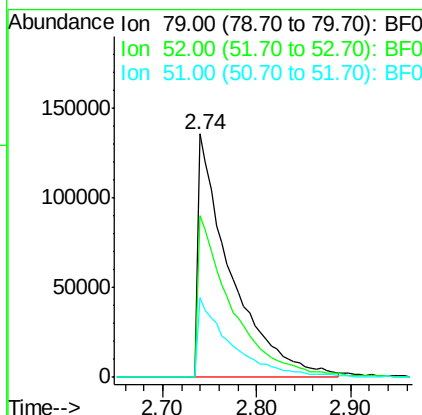
#3
 Pvridine
 Concen: 27.07 ng
 RT: 2.74 min Scan# 145
 Delta R.T. 0.11 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		330145		
52	66.4	54.8	82.2		
51	32.7	27.0	40.4		

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

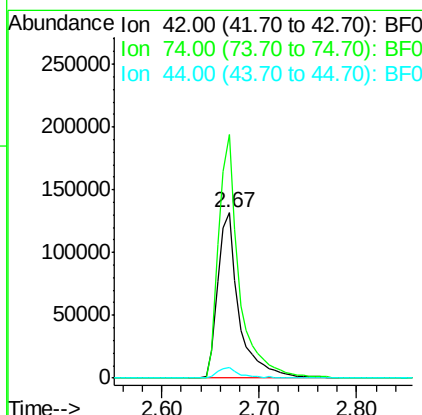
Manual Integrations
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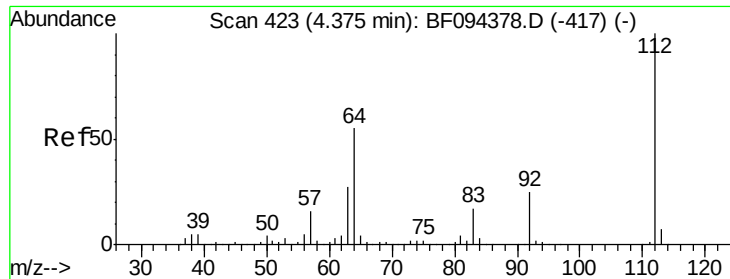
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 4/14/2017 1:37:04 PM



#4
 n-Nitrosodimethylamine
 Concen: 39.85 ng
 RT: 2.67 min Scan# 133
 Delta R.T. 0.06 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		199987		
74	147.2	103.9	155.9		
44	6.7	5.7	8.5		





#5

2-Fluorophenol

Concen: 117.36 ng

RT: 4.36 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:112 Resp: 1093200

Ion Ratio Lower Upper

112 100

64 56.1 46.0 69.0

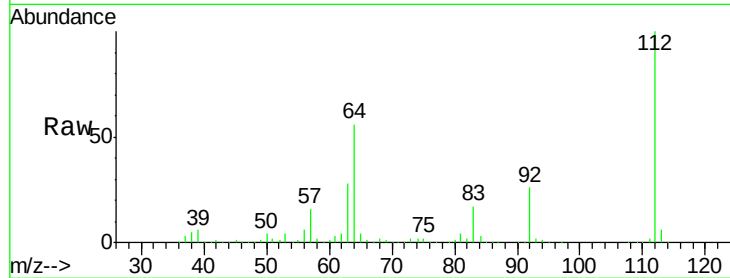
63 27.9 23.4 35.0

Manual Integrations

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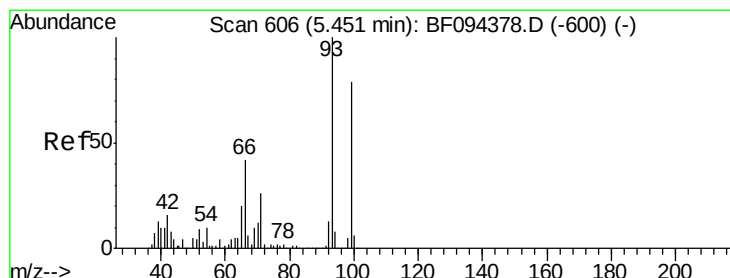
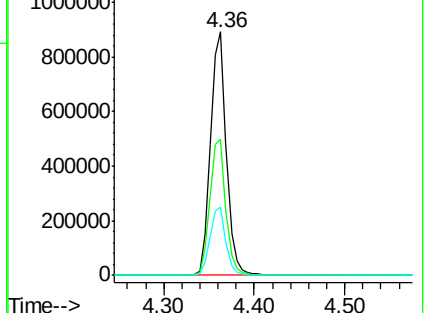
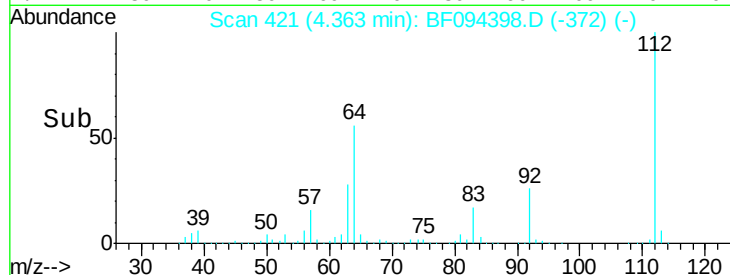
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 6.72 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

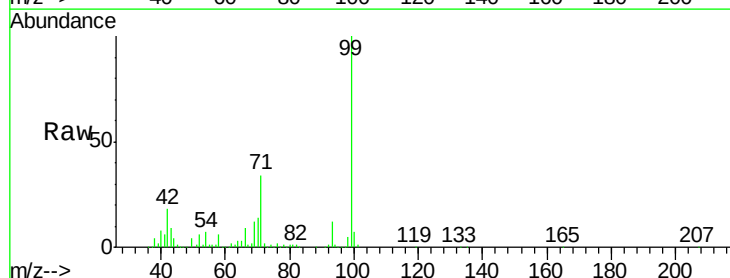
Tgt Ion: 93 Resp: 107696

Ion Ratio Lower Upper

93 100

66 74.7 32.9 49.3#

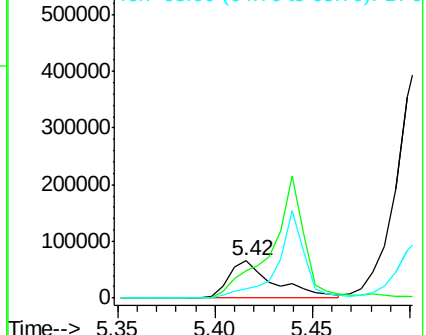
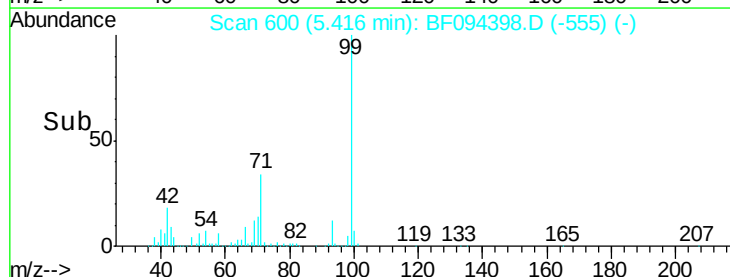
65 24.5 16.0 24.0#

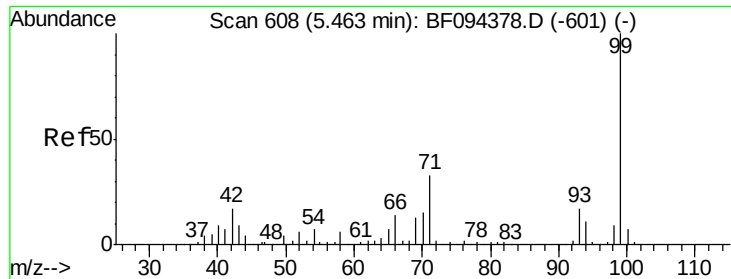


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.93 ng

RT: 5.43 min Scan# 602

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion: 99 Resp: 1278193

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

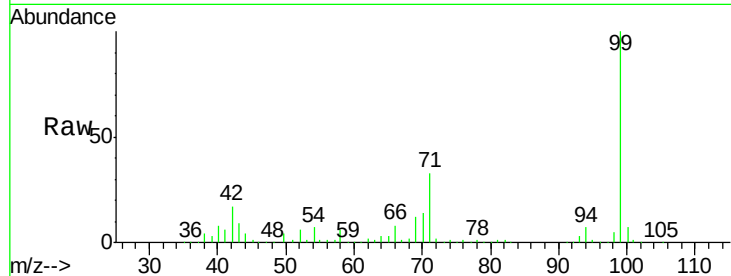
71 33.4 24.5 36.7

Manual Integrations

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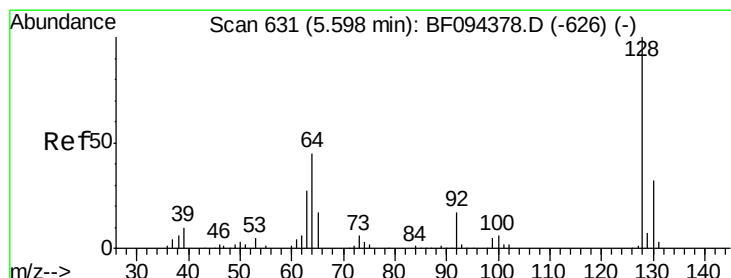
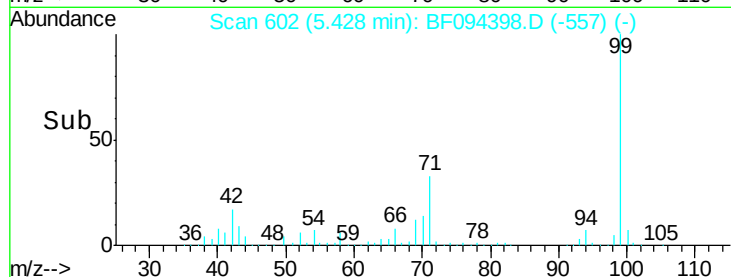
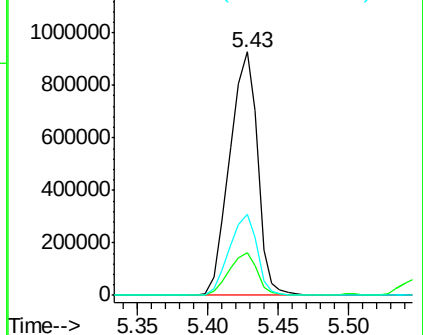
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 45.09 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

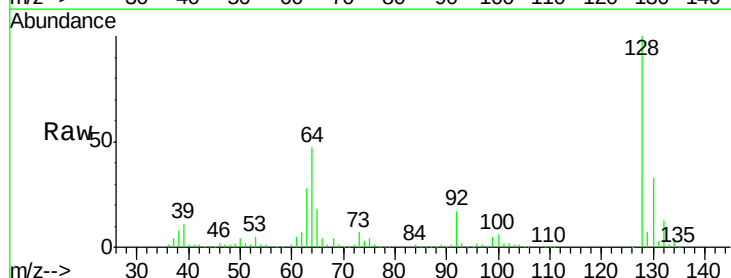
Tgt Ion: 128 Resp: 461690

Ion Ratio Lower Upper

128 100

130 32.6 12.9 52.9

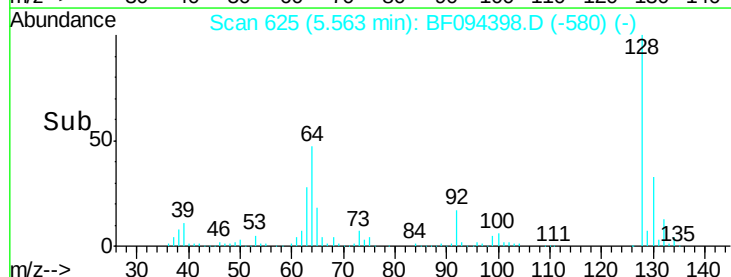
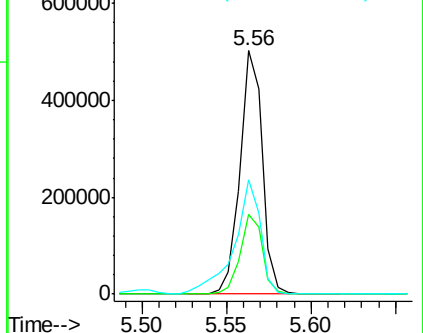
64 46.8 28.4 68.4

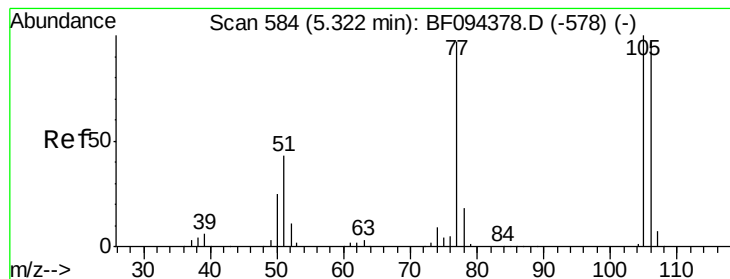


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 14.56 ng

RT: 5.29 min Scan# 578

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

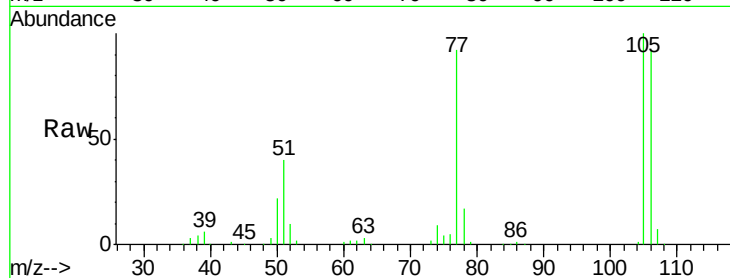
ClientSampleId :

ROLL-OFF-R4MSD

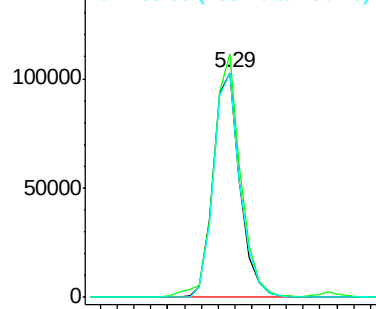
Tot Ion:	77	Resp:	113308
Ion	Ratio	Lower	Upper
77	100		
105	108.4	83.8	123.8
106	100.2	79.1	119.1

Manual Integrations
APPROVED

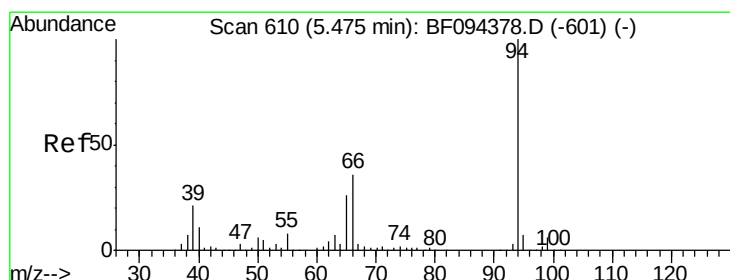
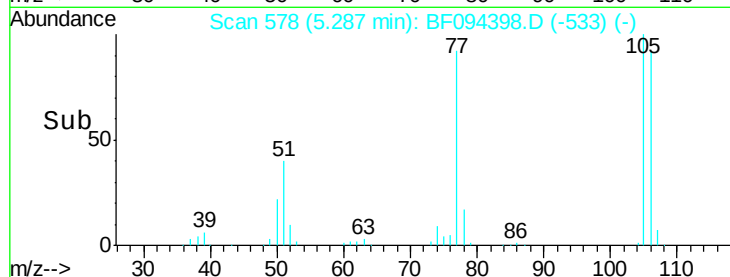
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Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0



Time-->



#10

Phenol

Concen: 35.93 ng

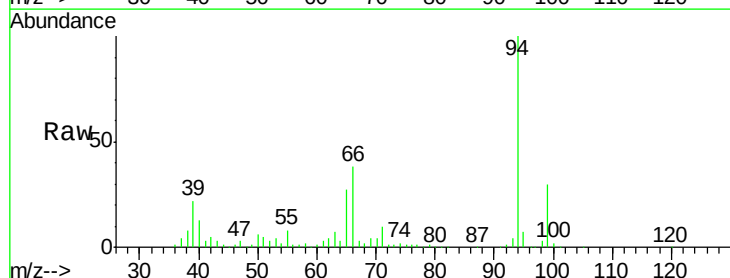
RT: 5.44 min Scan# 604

Delta R.T. -0.04 min

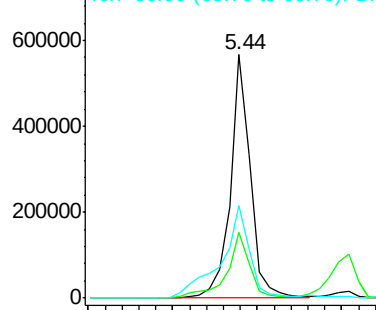
Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

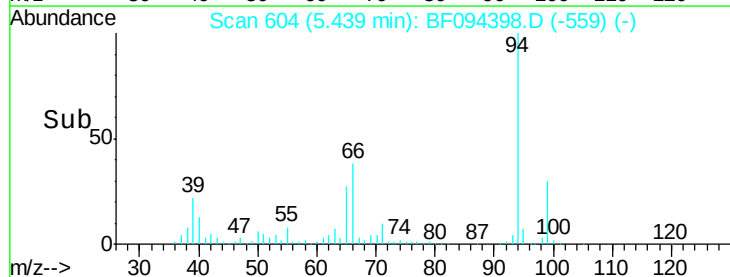
Tgt Ion:	94	Resp:	471113
Ion	Ratio	Lower	Upper
94	100		
65	27.2	9.9	49.9
66	38.0	23.1	63.1

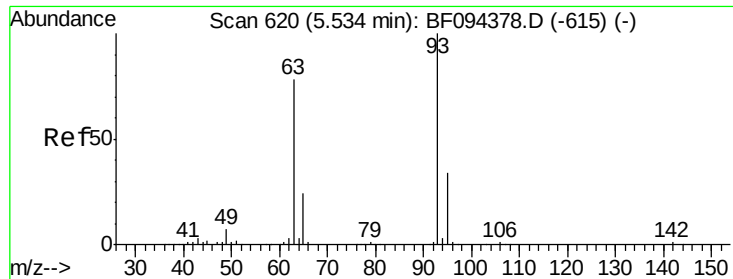


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



Time-->





#11

bis(2-Chloroethyl)ether

Concen: 45.79 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.03 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

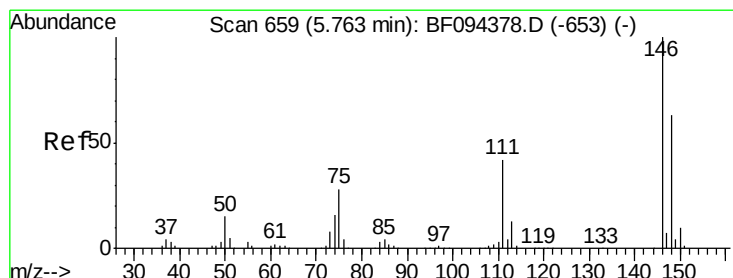
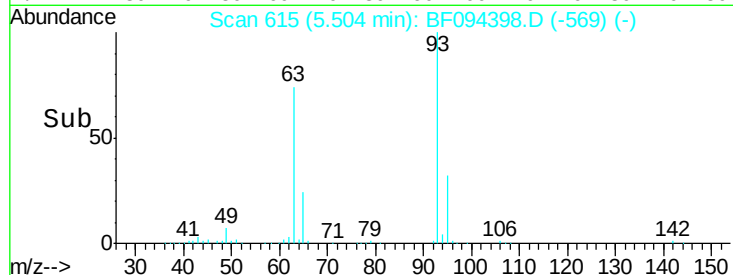
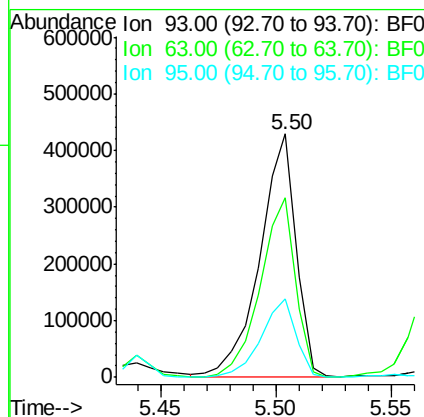
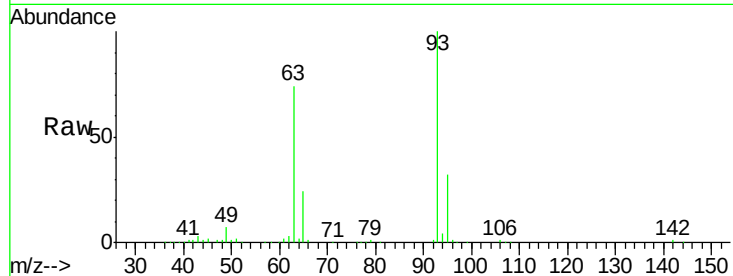
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	93	Resp:	469241
Ion Ratio	Lower	Upper	
93	100		
63	74.0	59.2	99.2
95	32.4	12.8	52.8

Manual Integrations
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mohammad
4/14/2017 1:37:04 PM



#12

1,3-Dichlorobenzene

Concen: 43.17 ng

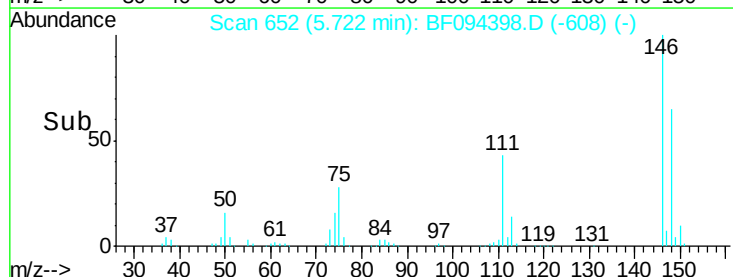
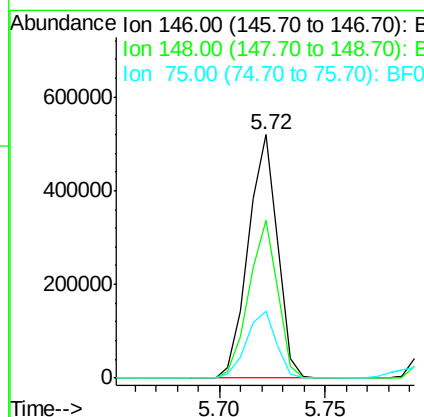
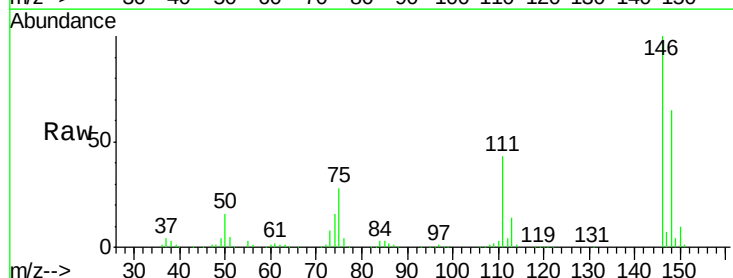
RT: 5.72 min Scan# 652

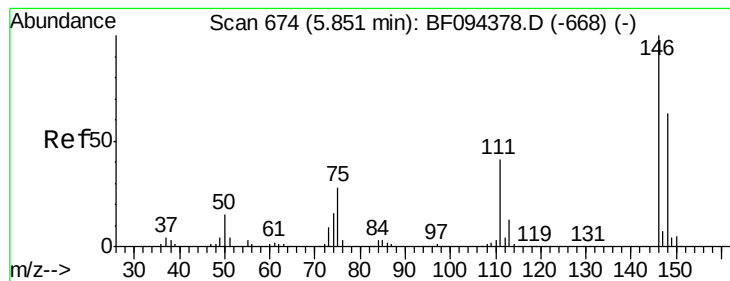
Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	146	Resp:	495795
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.8	77.6
75	27.6	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 43.07 ng

RT: 5.80 min Scan# 666

Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

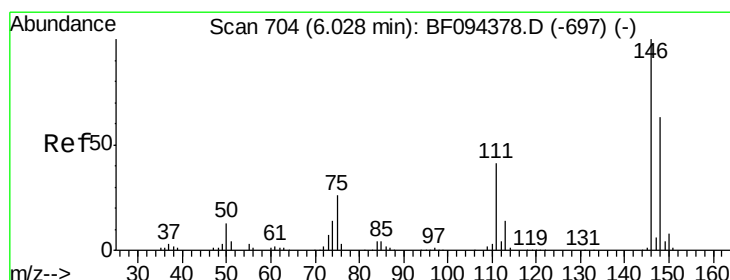
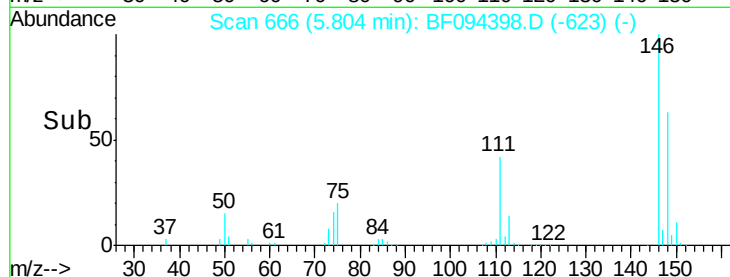
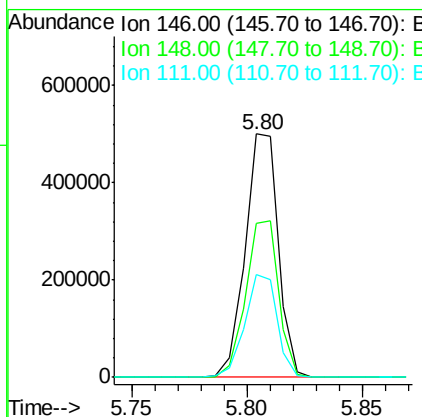
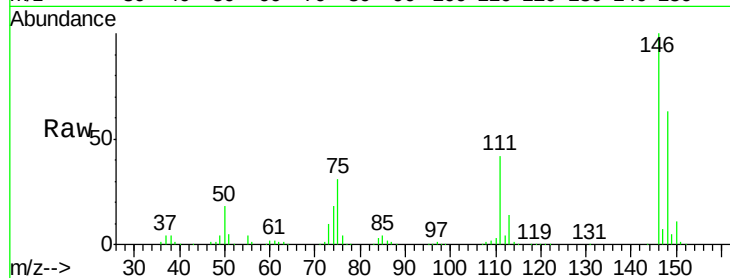
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	146	Resp:	500994
Ion Ratio	Lower	Upper	
146	100		
148	63.3	52.2	78.2
111	42.1	30.3	45.5

Manual Integrations
APPROVED

mohammad
4/14/2017 1:37:04 PM



#14

1,2-Dichlorobenzene

Concen: 42.31 ng

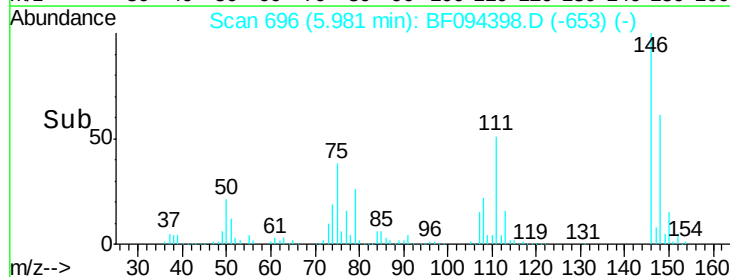
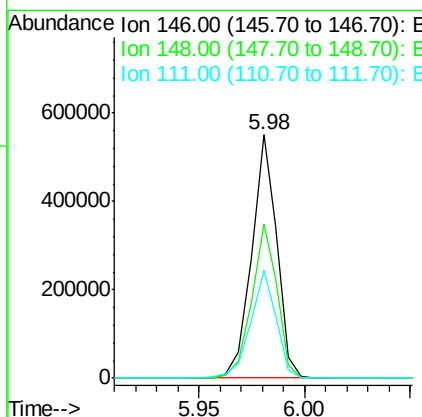
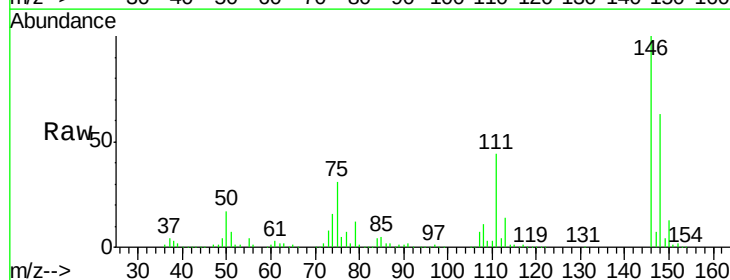
RT: 5.98 min Scan# 696

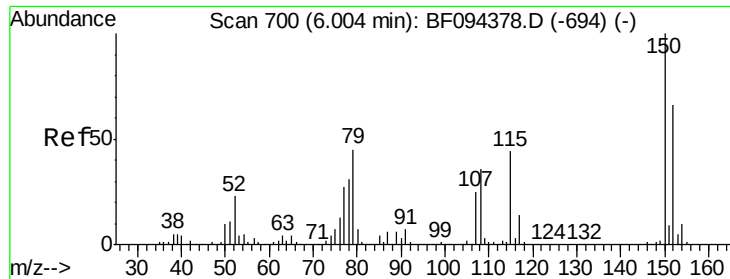
Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	146	Resp:	453212
Ion Ratio	Lower	Upper	
146	100		
148	63.2	50.4	75.6
111	44.4	38.2	57.4





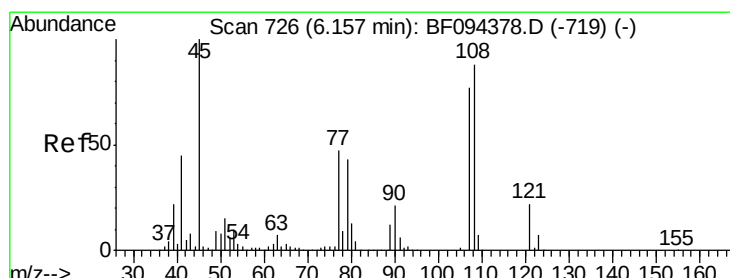
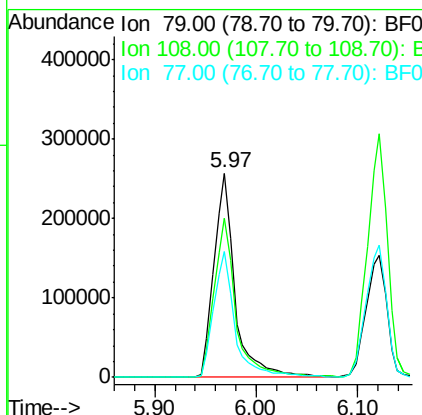
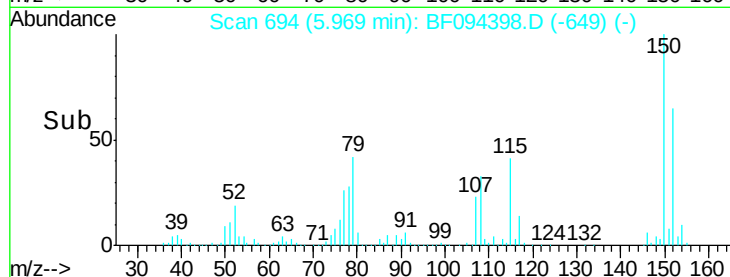
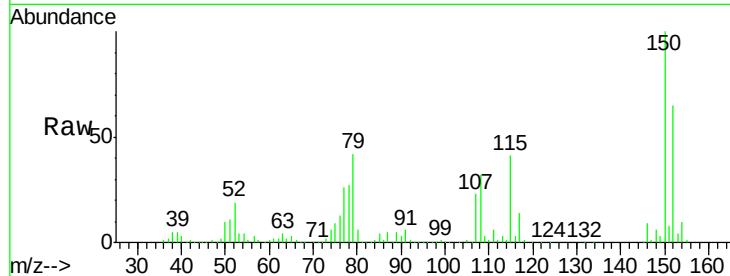
#15
Benzyl Alcohol
Concen: 44.22 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.2	63.4	95.0
77	61.7	49.2	73.8

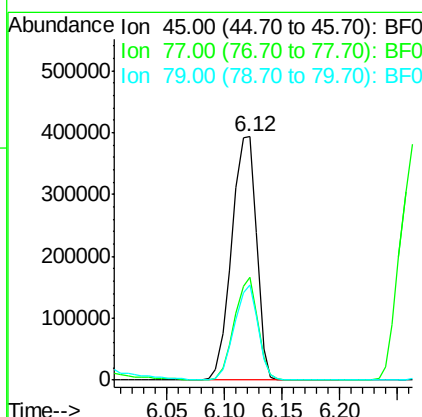
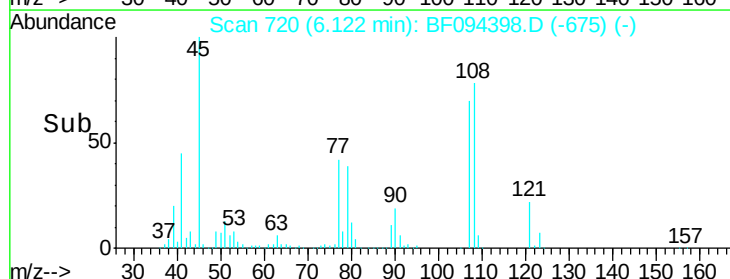
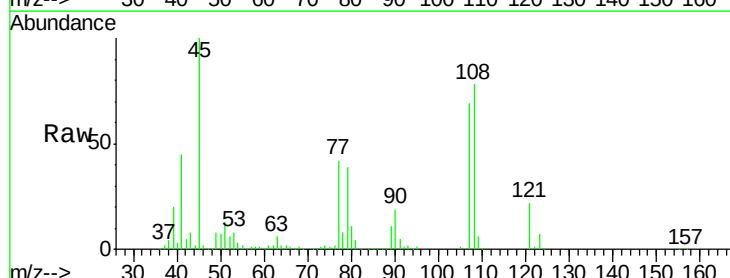
Manual Integrations
APPROVED

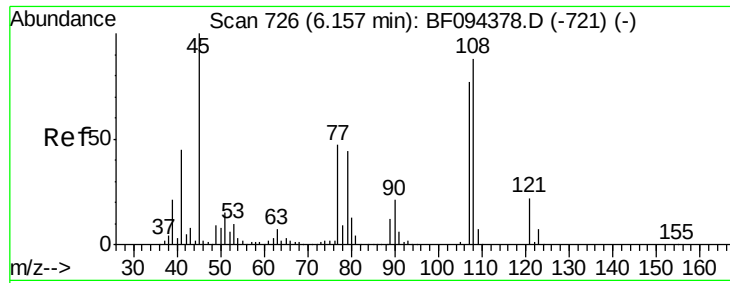
mohammad
4/14/2017 1:37:04 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.23 ng
RT: 6.12 min Scan# 720
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
45	100		
77	42.3	0.0	33.2#
79	38.9	0.0	30.0#





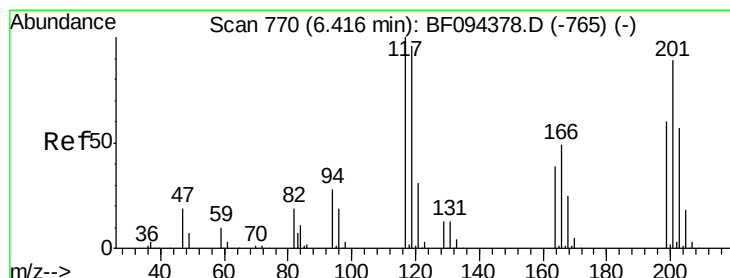
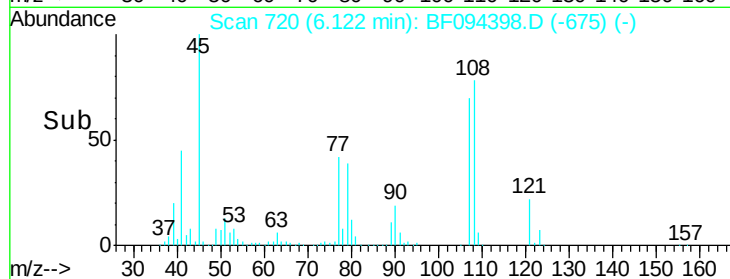
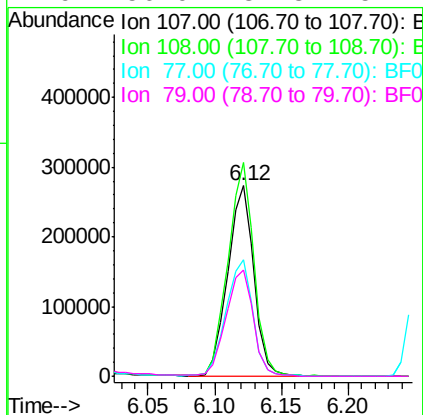
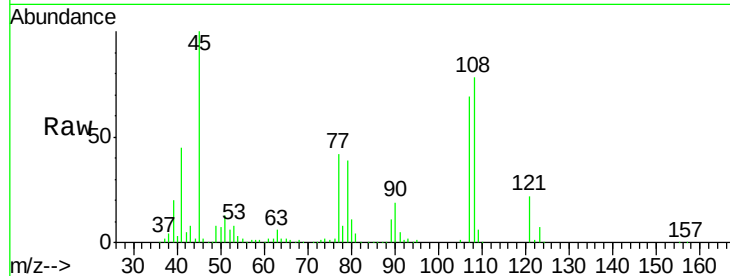
#17
2-Methylphenol
Concen: 42.63 ng
RT: 6.12 min Scan# 720
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.2	93.4	140.0	
77	60.9	35.8	53.6#	
79	56.0	34.8	52.2#	

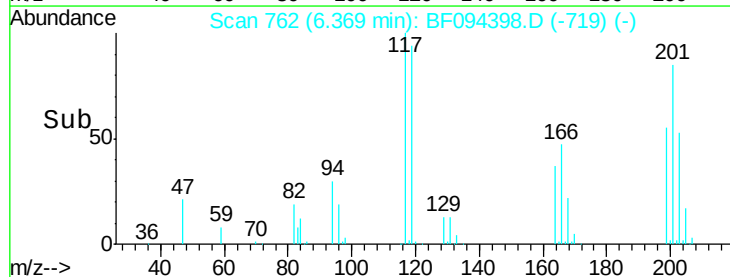
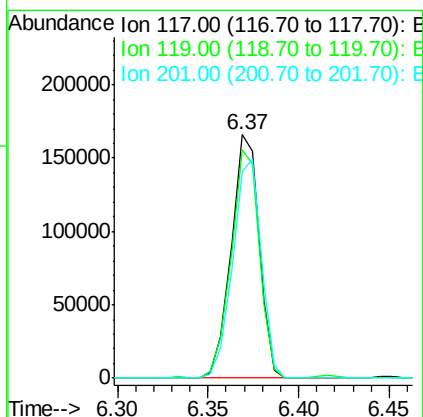
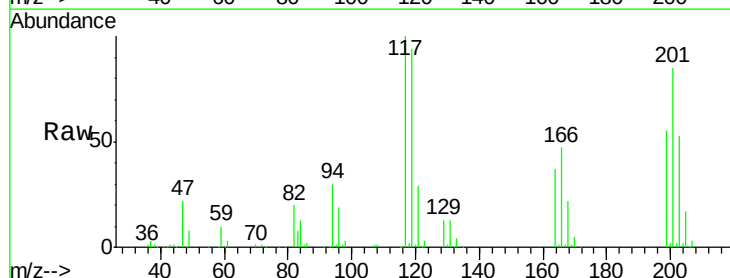
Manual Integrations
APPROVED

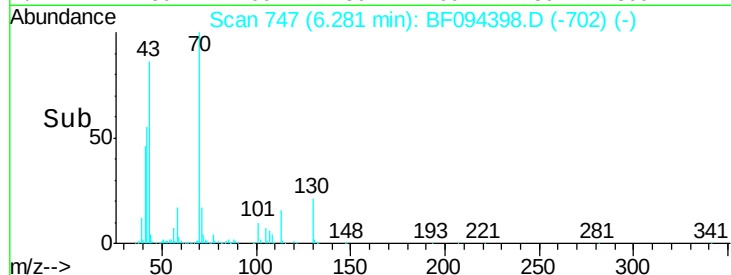
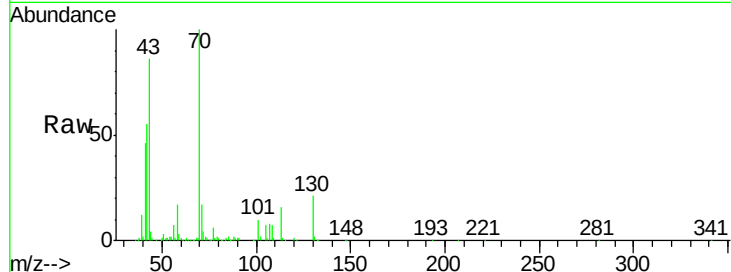
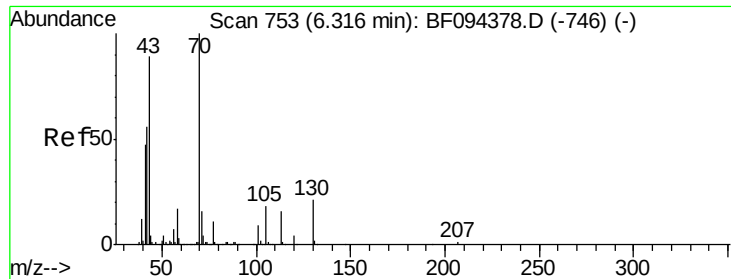
mohammad
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#18
Hexachloroethane
Concen: 43.60 ng
RT: 6.37 min Scan# 762
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.8	77.4	116.0	
201	84.9	94.6	141.8#	





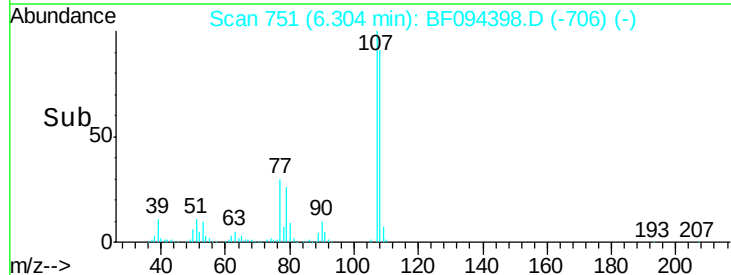
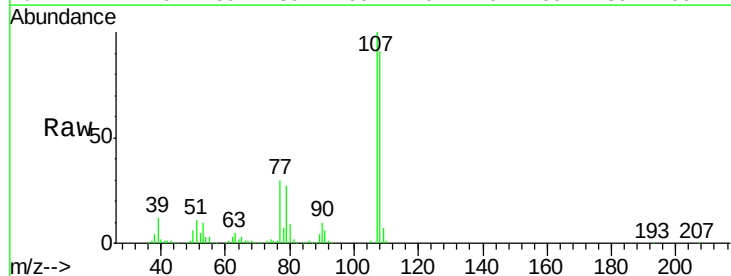
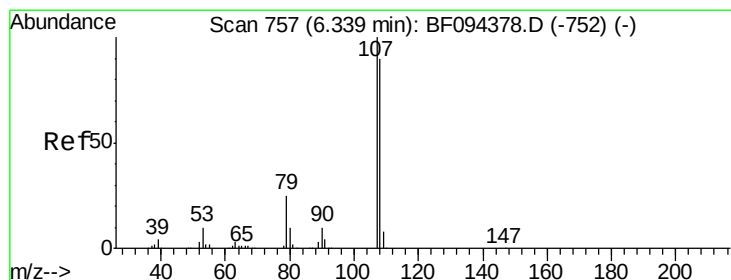
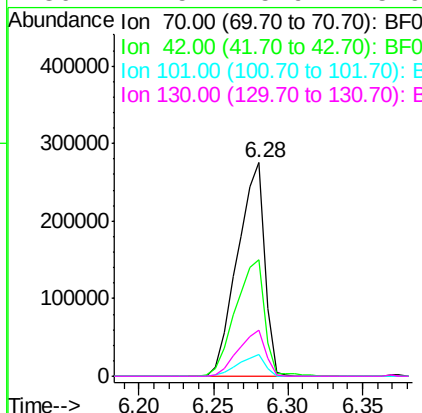
#19
n-Nitroso-di-n-propylamine
Concen: 47.32 ng
RT: 6.28 min Scan# 747
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	54.6	47.2	70.8	
101	10.3	7.2	10.8	
130	21.5	15.9	23.9	

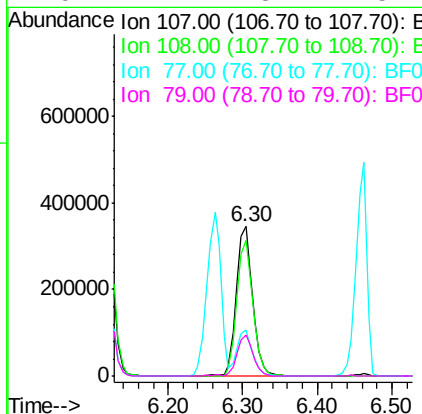
Manual Integrations
APPROVED

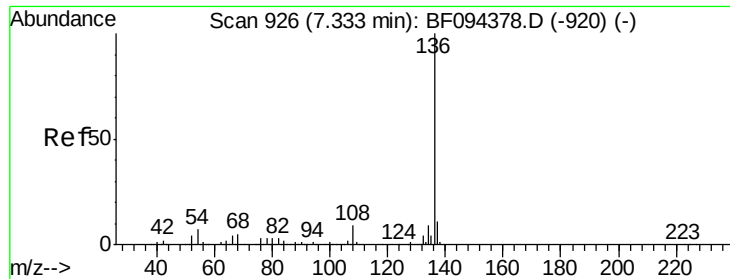
mohammad
4/14/2017 1:37:04 PM



#20
3+4-Methylphenols
Concen: 49.65 ng
RT: 6.30 min Scan# 751
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.9	71.0	111.0	
77	30.5	90.5	130.5#	
79	27.4	8.4	48.4	





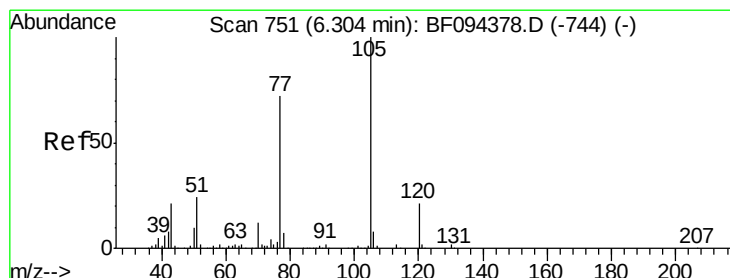
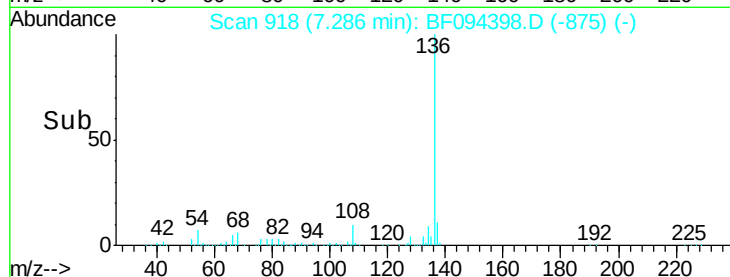
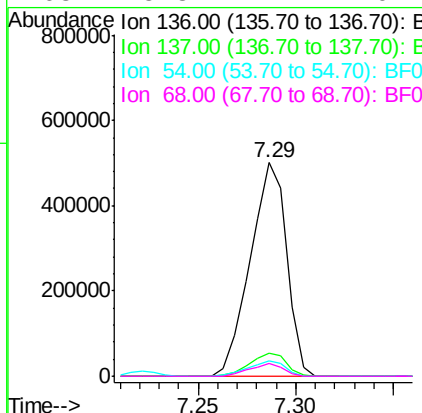
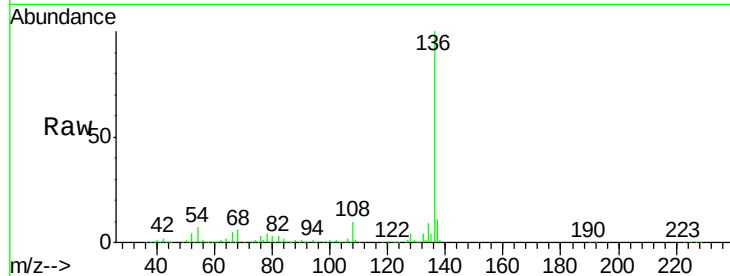
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.29 min Scan# 918
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	647153		
137	11.0		8.5	12.7
54	7.3		4.9	7.3
68	5.8		4.1	6.1

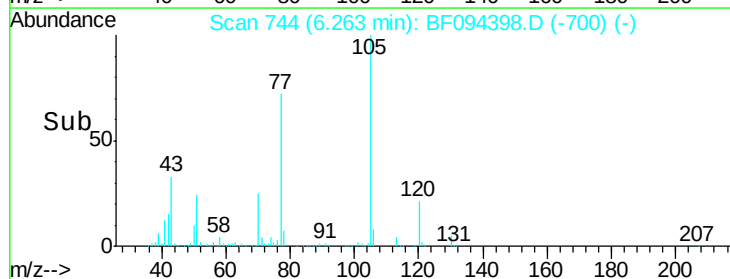
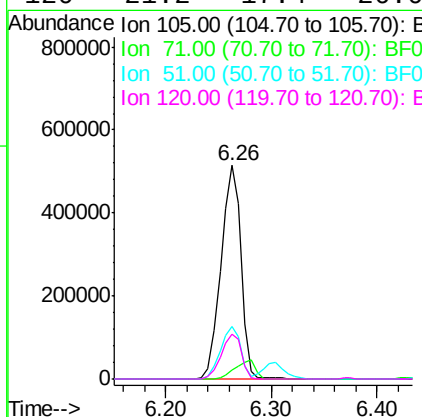
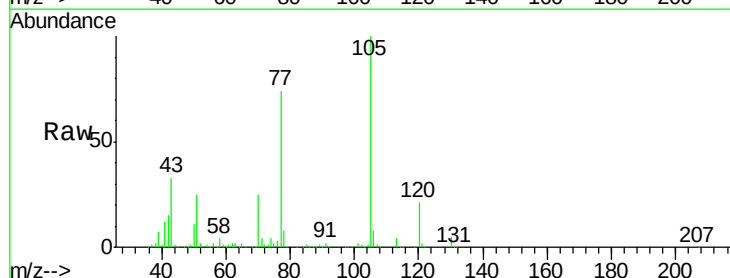
Manual Integrations
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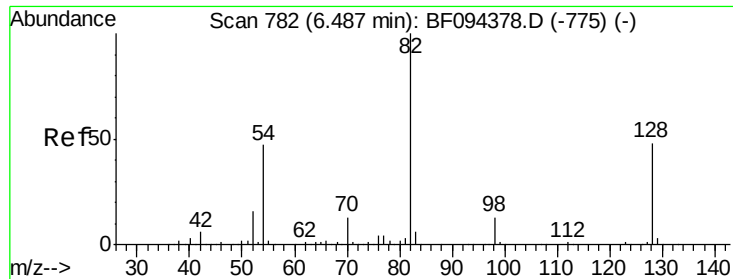
mohammad
4/14/2017 1:37:04 PM



#22
Acetophenone
Concen: 47.15 ng
RT: 6.26 min Scan# 744
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	680087		
71	4.1		2.8	4.2
51	24.6		30.7	46.1#
120	21.2		17.4	26.0





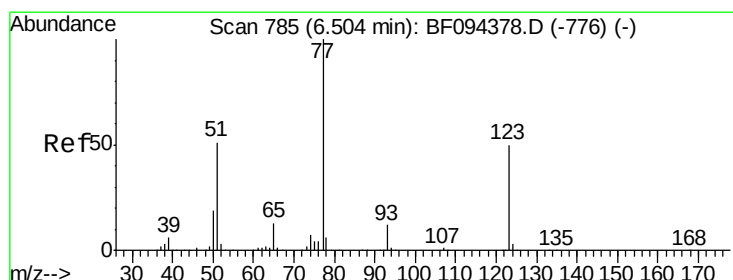
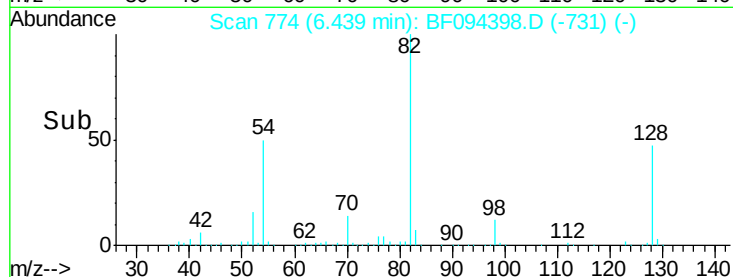
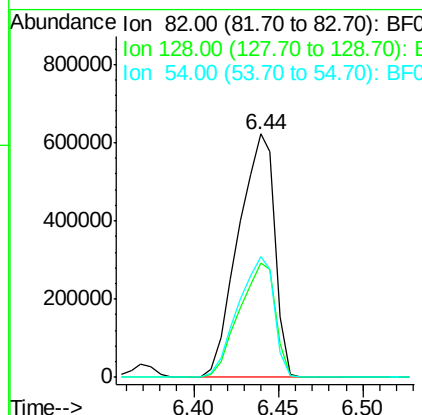
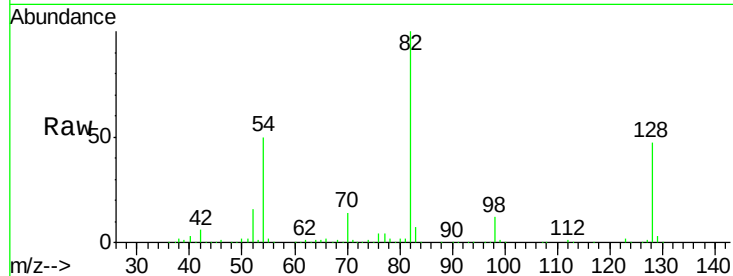
#23
 Nitrobenzene-d5
 Concen: 82.65 ng
 RT: 6.44 min Scan# 774
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	49.7	42.2	63.2

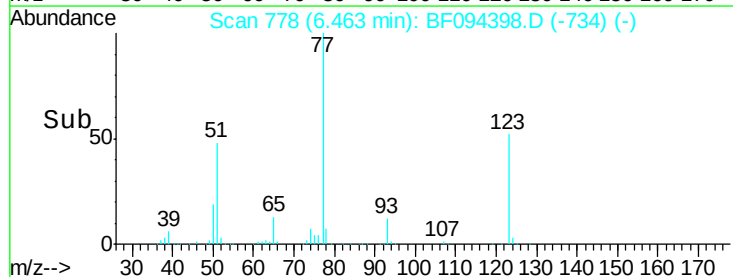
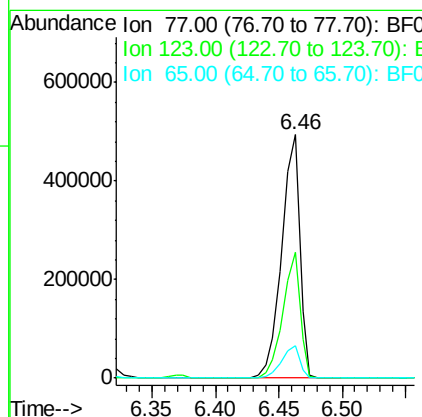
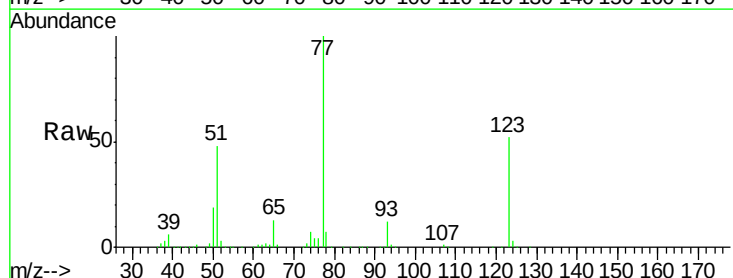
Manual Integrations
 APPROVED

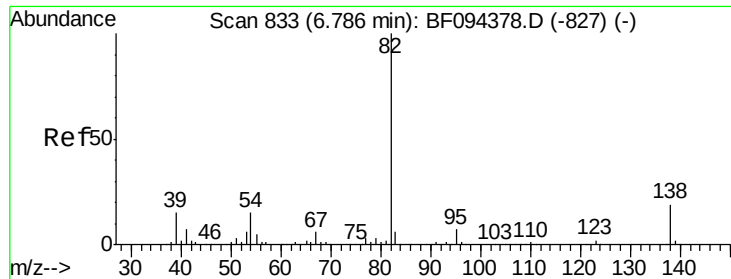
mohammad
 4/14/2017 1:37:04 PM



#24
 Nitrobenzene
 Concen: 43.99 ng
 RT: 6.46 min Scan# 778
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.7	35.8	53.8
65	13.4	10.6	15.8





#25

Isophorone

Concen: 45.33 ng

RT: 6.75 min Scan# 827

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

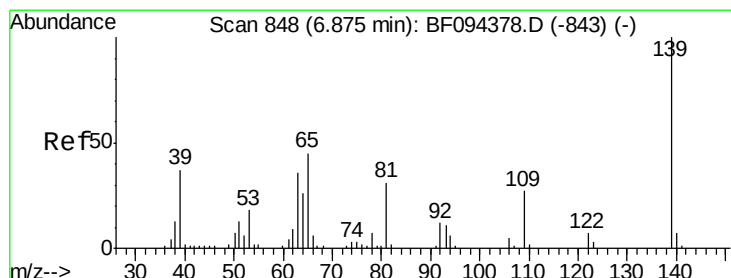
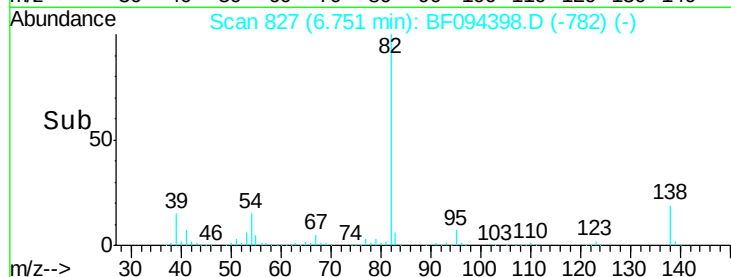
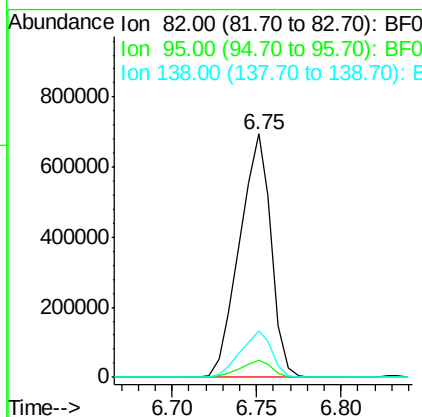
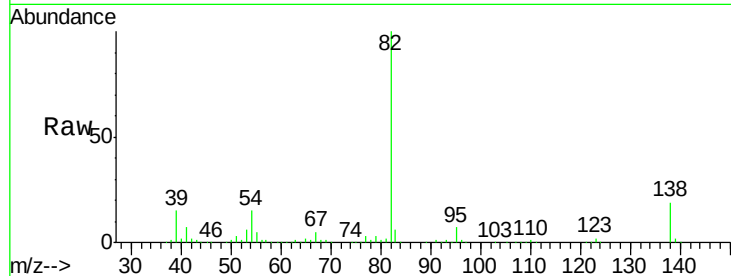
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	82	Resp:	903195
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.3	7.9
138	19.1	13.1	19.7

Manual Integrations
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4/14/2017 1:37:04 PM



#26

2-Nitrophenol

Concen: 51.68 ng

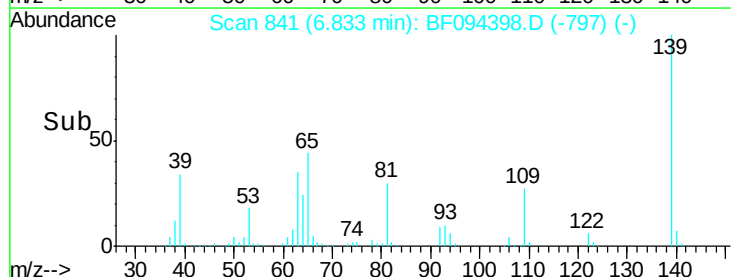
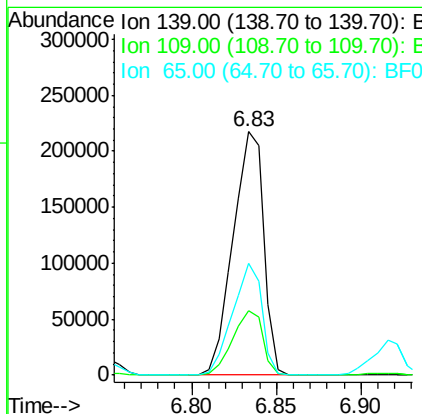
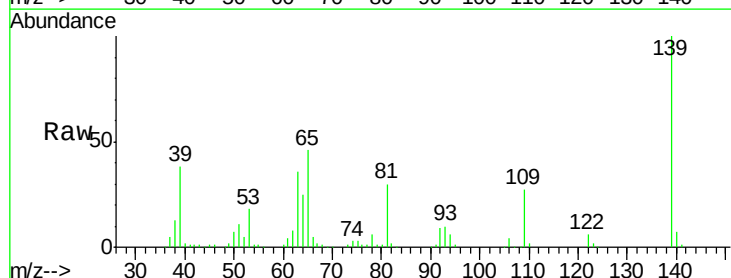
RT: 6.83 min Scan# 841

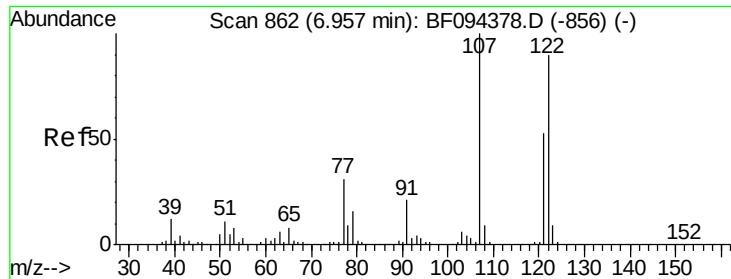
Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	139	Resp:	275618
Ion Ratio		Lower	Upper
139	100		
109	26.7	21.0	31.6
65	45.8	33.0	49.6





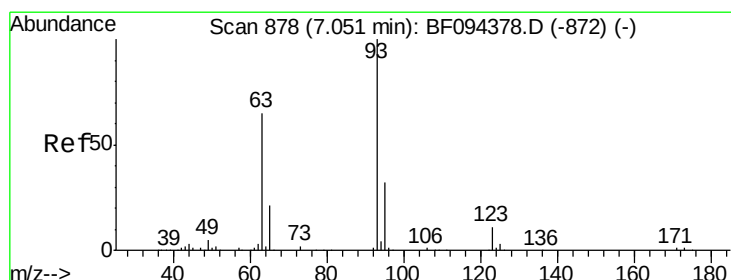
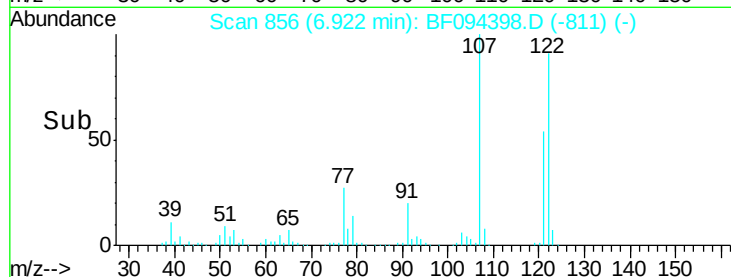
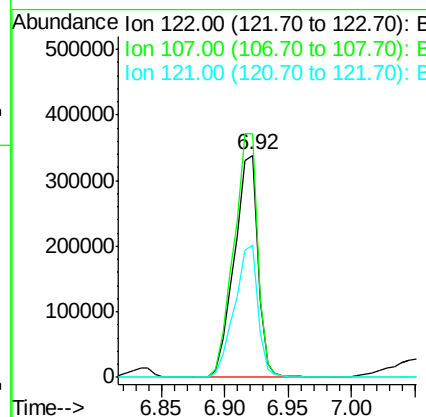
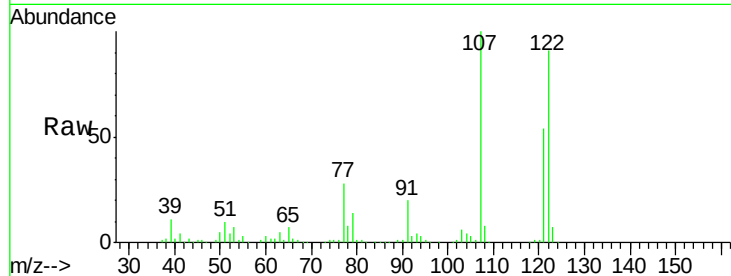
#27
 2,4-Dimethylphenol
 Concen: 47.66 ng
 RT: 6.92 min Scan# 856
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.4	89.2	133.8
121	59.4	45.2	67.8

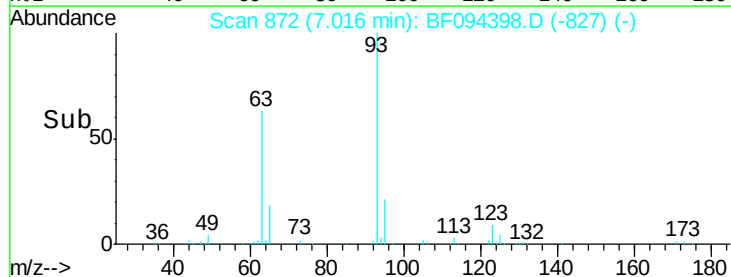
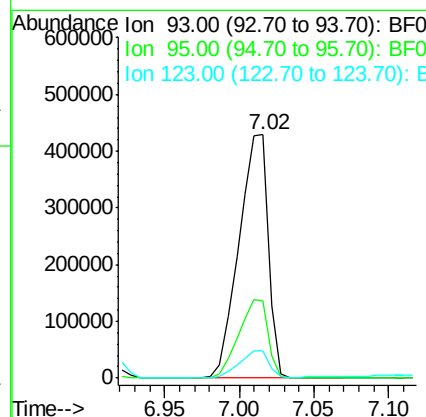
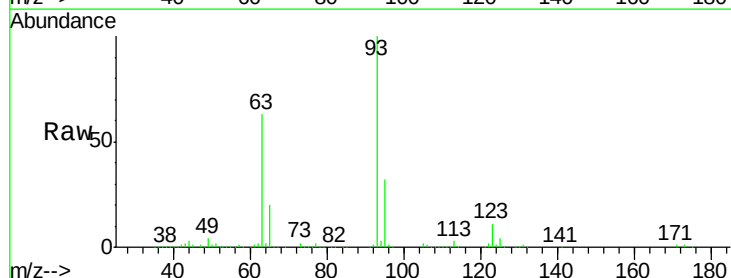
Manual Integrations
 APPROVED

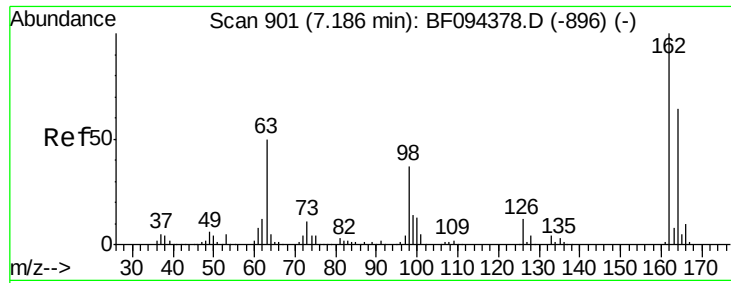
mohammad
 4/14/2017 1:37:04 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.86 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.5	39.7
123	11.3	9.0	13.4





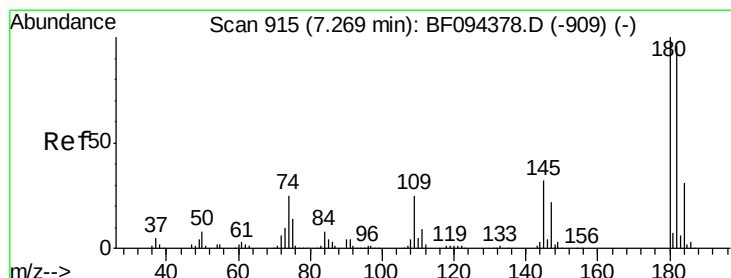
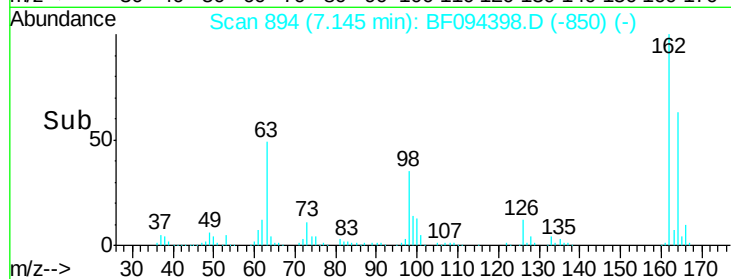
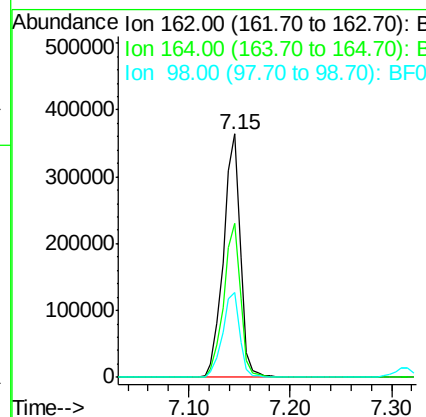
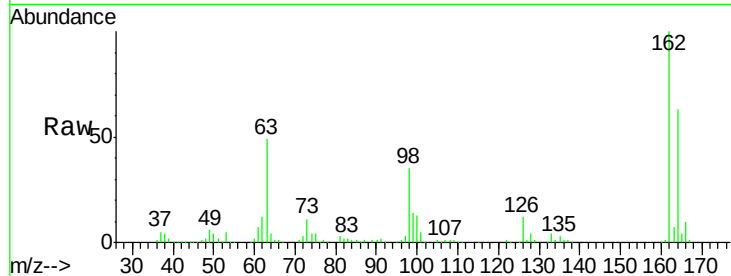
#29
 2,4-Dichlorophenol
 Concen: 48.94 ng
 RT: 7.15 min Scan# 894
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Tot Ion:	162	Resp:	420511
Ion Ratio	Lower	Upper	
162	100		
164	63.2	44.6	84.6
98	35.0	14.8	54.8

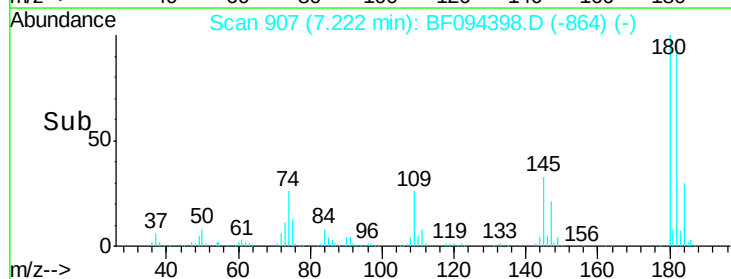
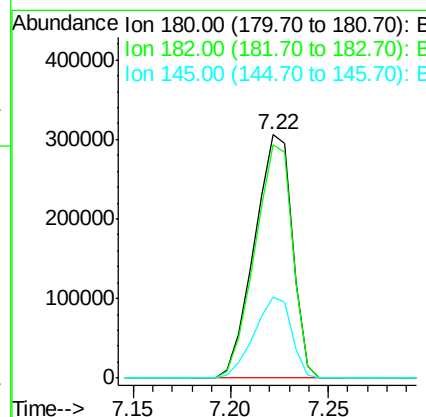
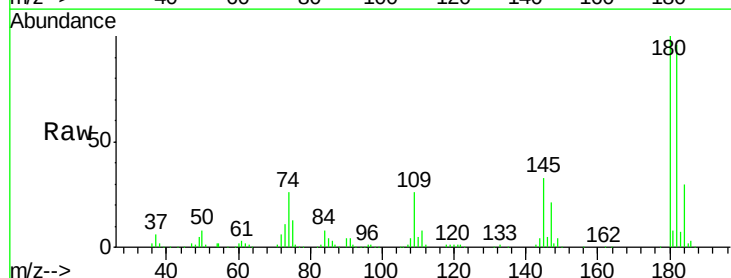
Manual Integrations
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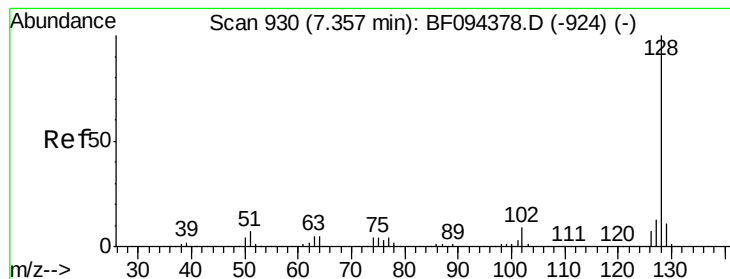
mohammad
 4/14/2017 1:37:04 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 46.56 ng
 RT: 7.22 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion:	180	Resp:	412018
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.8	113.6
145	33.3	25.3	37.9





#31

Naphthalene

Concen: 46.20 ng

RT: 7.32 min Scan# 923

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:128 Resp: 1437531

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

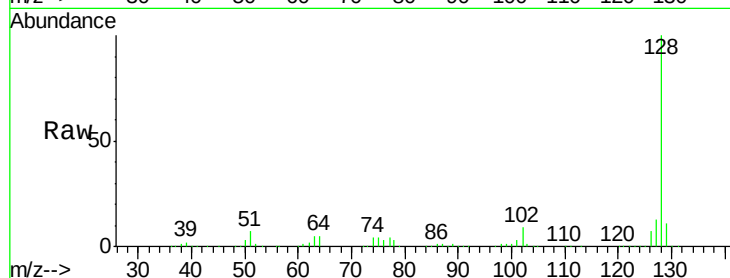
127 13.2 10.8 16.2

Manual Integrations

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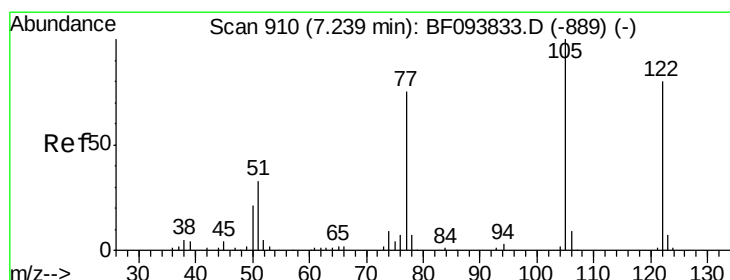
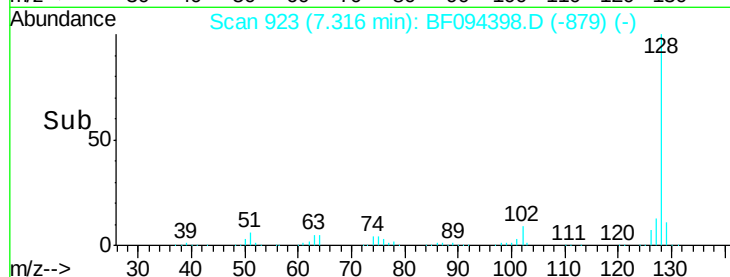
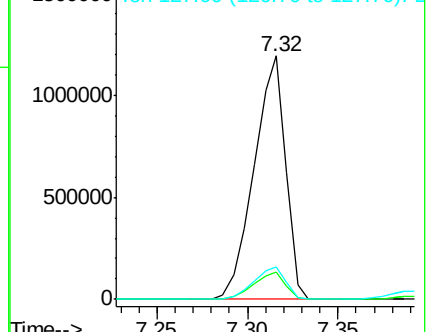
4/14/2017 1:37:04 PM



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: 38.62 ng

RT: 7.11 min Scan# 888

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

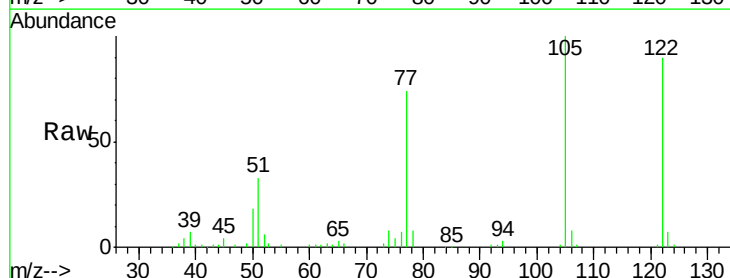
Tgt Ion:122 Resp: 236273

Ion Ratio Lower Upper

122 100

105 111.3 103.3 143.3

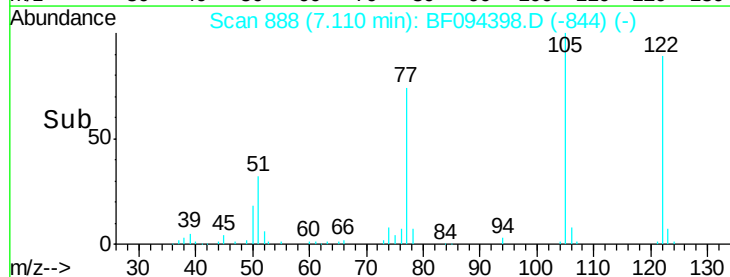
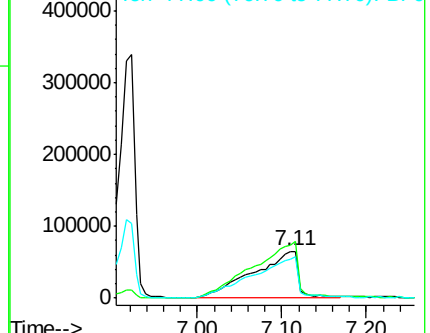
77 82.9 73.7 113.7

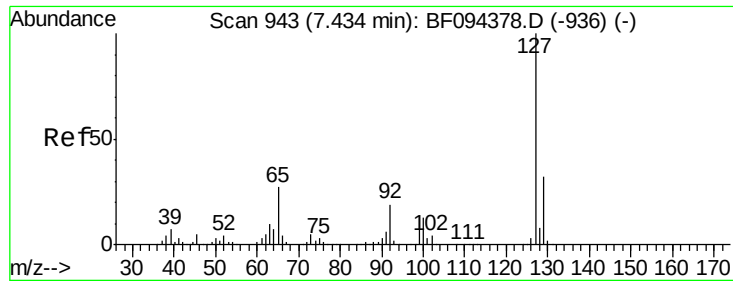


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





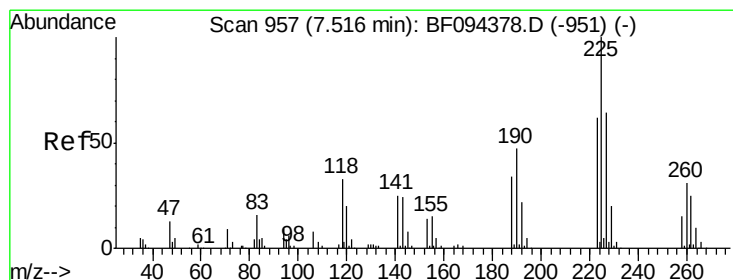
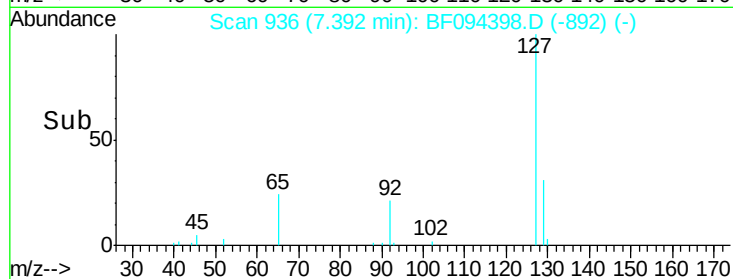
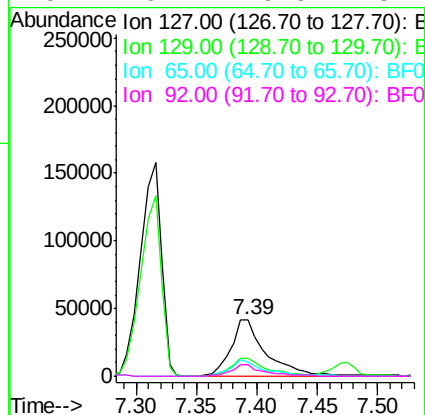
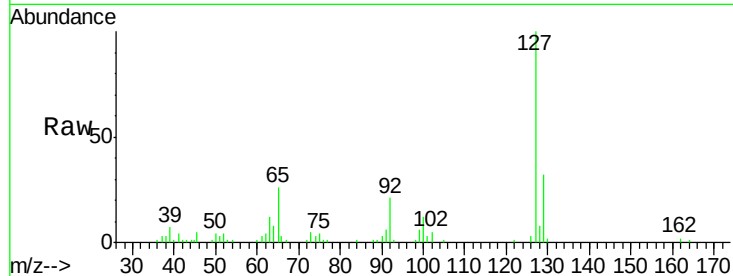
#33
4-Chloroaniline
Concen: 6.68 ng
RT: 7.39 min Scan# 936
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion:	127	Resp:	84227
Ion Ratio	Lower	Upper	
127	100		
129	31.6	26.2	39.2
65	25.5	27.8	41.8
92	20.7	16.8	25.2

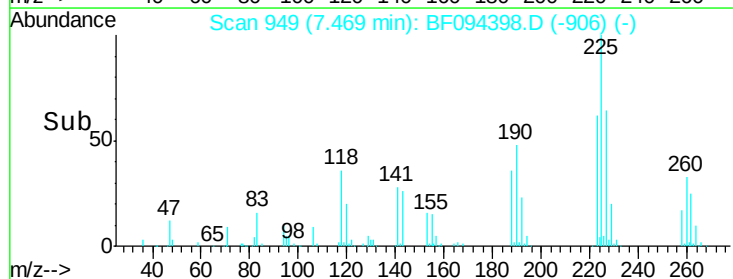
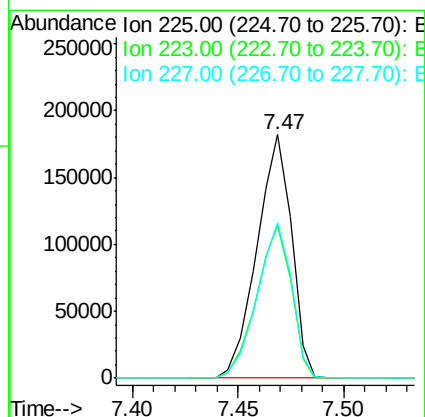
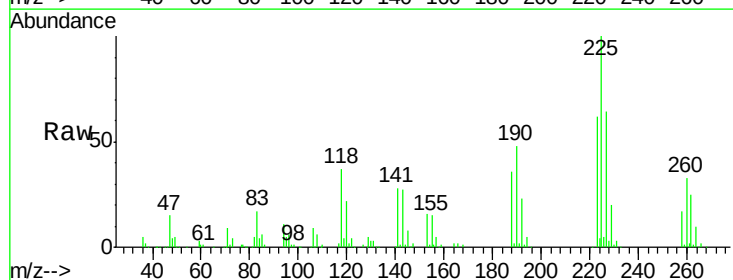
Manual Integrations
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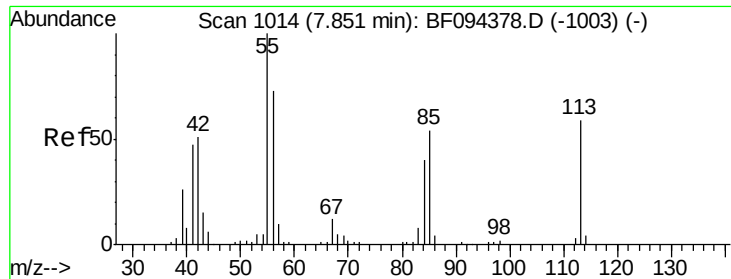
mohammad
4/14/2017 1:37:04 PM



#34
Hexachlorobutadiene
Concen: 45.72 ng
RT: 7.47 min Scan# 949
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion:	225	Resp:	207496
Ion Ratio	Lower	Upper	
225	100		
223	62.5	48.8	73.2
227	64.0	51.1	76.7





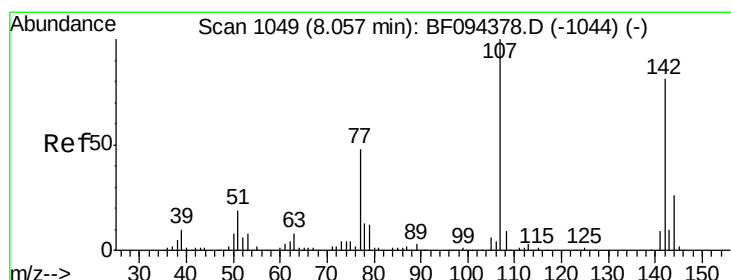
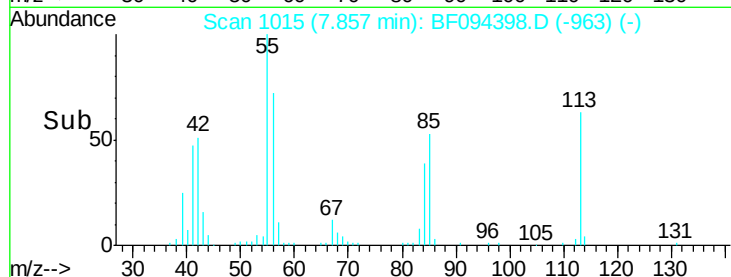
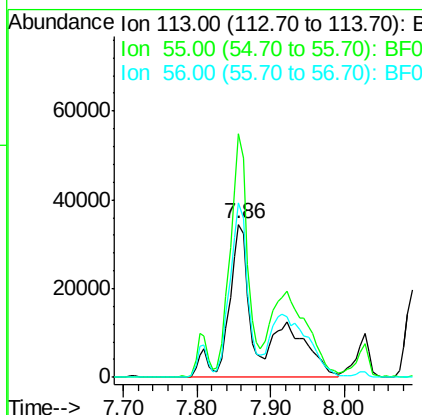
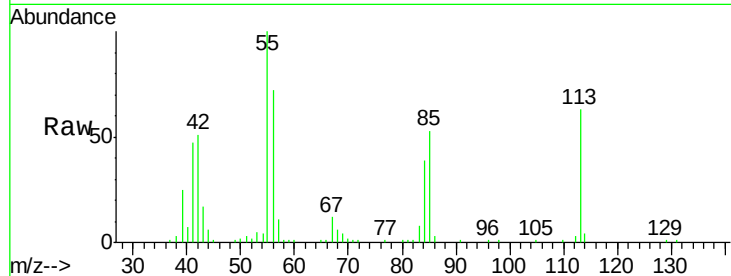
#35
 Caprolactam
 Concen: 38.55 ng/ml
 RT: 7.86 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	158.9	150.2	190.2
56	114.0	107.8	147.8

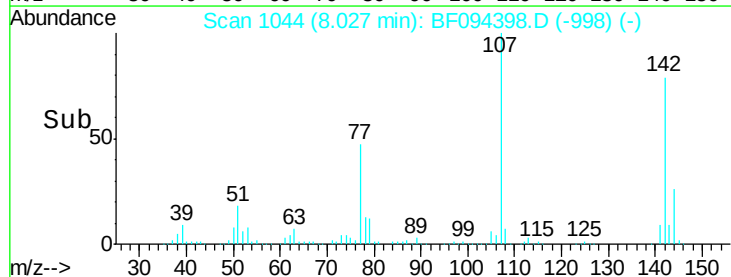
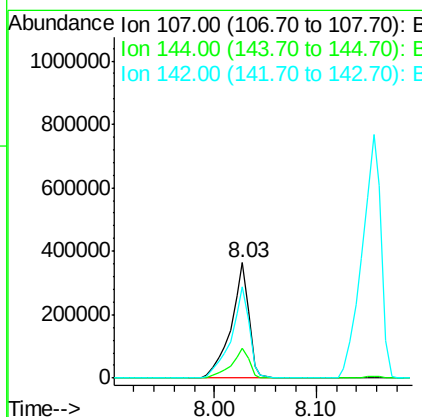
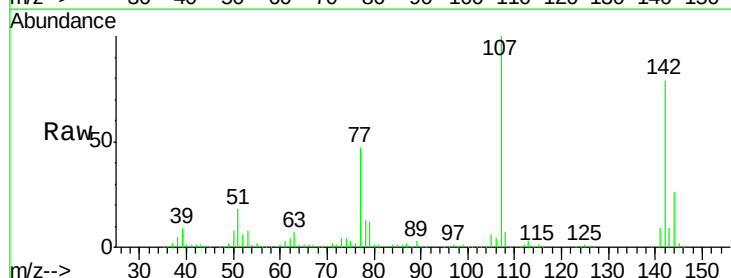
Manual Integrations
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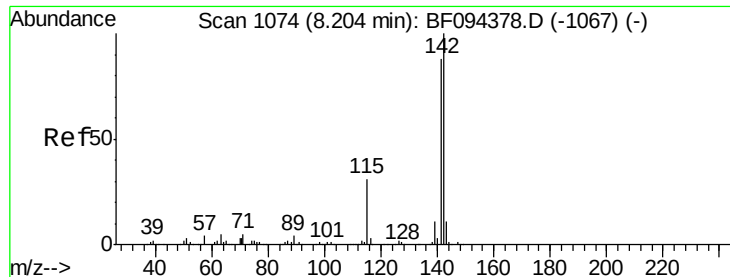
mohammad
 4/14/2017 1:37:04 PM



#36
 4-Chloro-3-methylphenol
 Concen: 49.62 ng/ml
 RT: 8.03 min Scan# 1044
 Delta R.T. -0.03 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	24.2	36.4
142	79.4	73.4	110.0





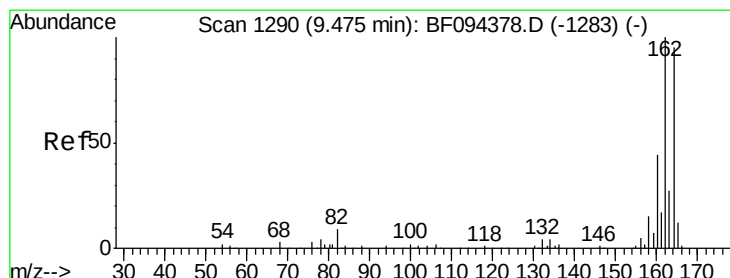
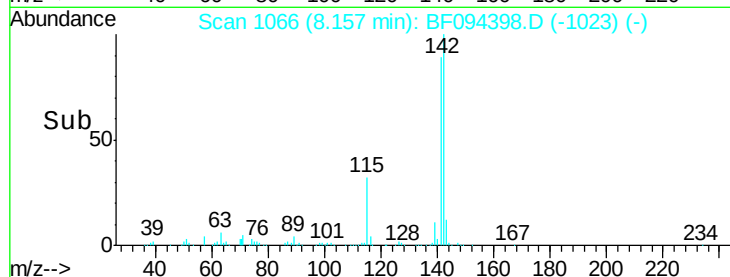
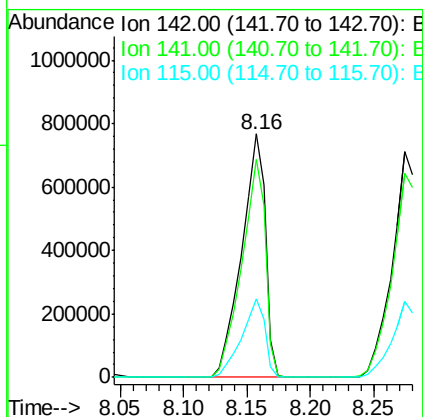
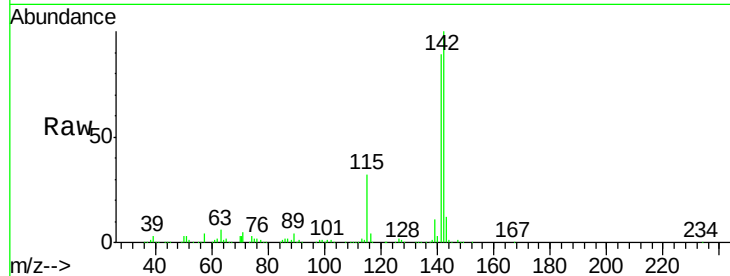
#37
2-Methylnaphthalene
Concen: 48.09 ng
RT: 8.16 min Scan# 1066
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.3	106.9
115	32.3	27.1	40.7

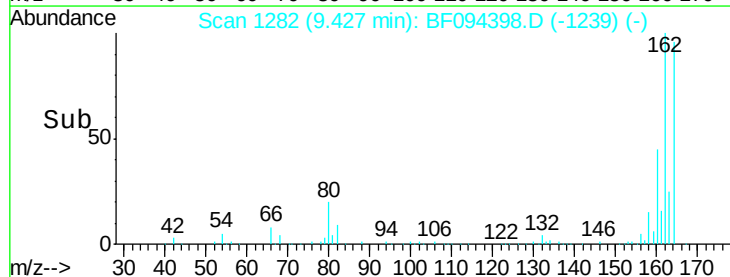
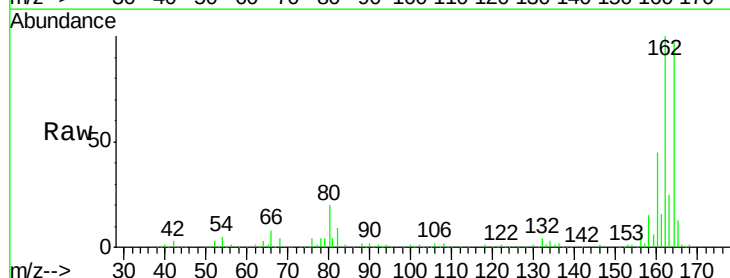
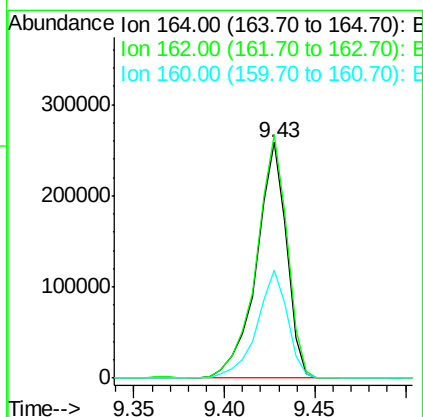
Manual Integrations
APPROVED

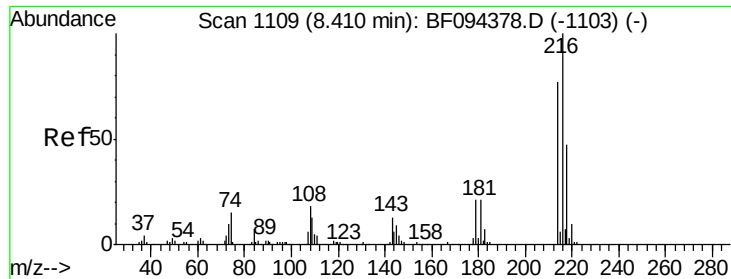
mohammad
4/14/2017 1:37:04 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.43 min Scan# 1282
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	46.1	36.2	54.2





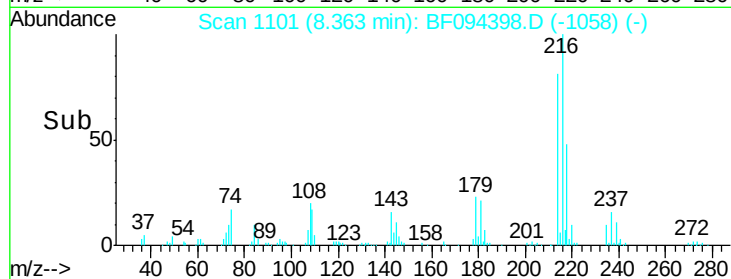
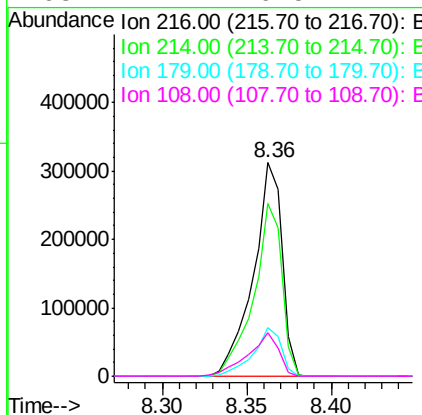
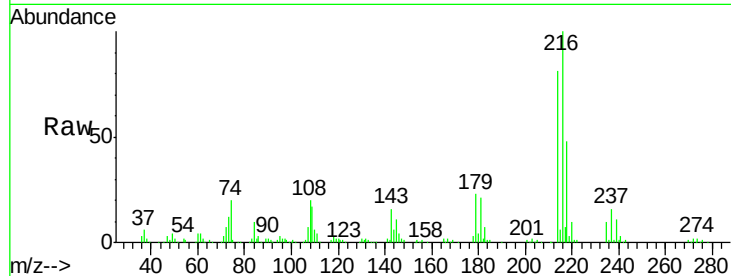
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.38 ng
 RT: 8.36 min Scan# 1101
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		371197		
214	78.9	63.4	95.2		
179	22.2	17.9	26.9		
108	21.7	16.5	24.7		

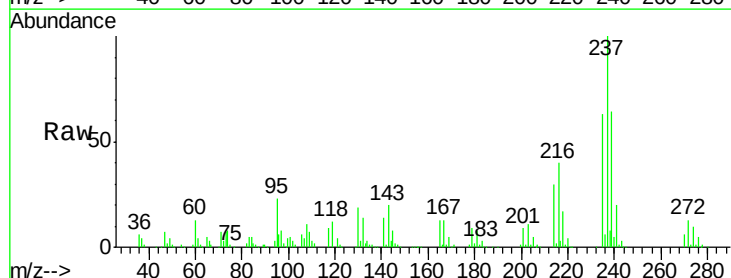
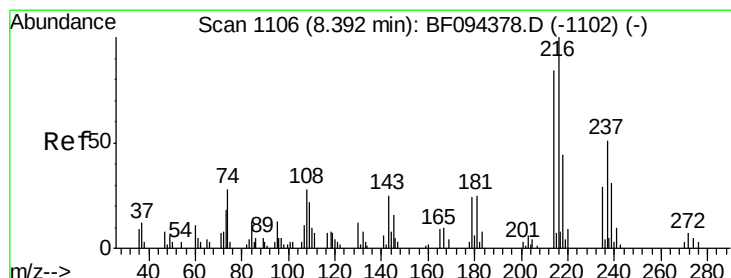
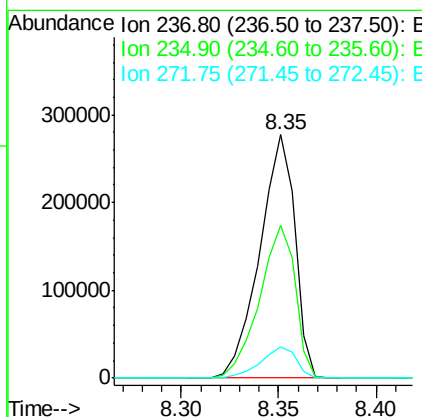
Manual Integrations
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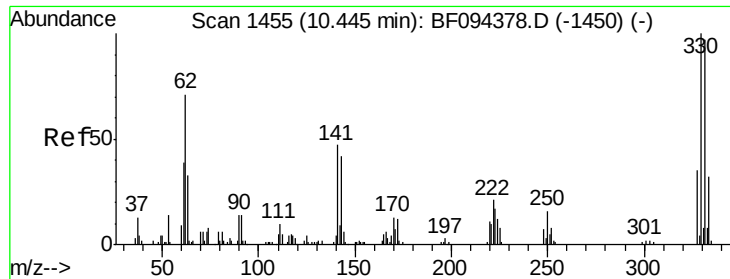
mohammad
 4/14/2017 1:37:04 PM



#40
 Hexachlorocyclopentadiene
 Concen: 90.41 ng
 RT: 8.35 min Scan# 1099
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		346077		
235	62.5	42.6	82.6		
272	12.9	0.0	31.9		





#41

2,4,6-Tribromophenol

Concen: 140.78 ng

RT: 10.41 min Scan# 1449

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

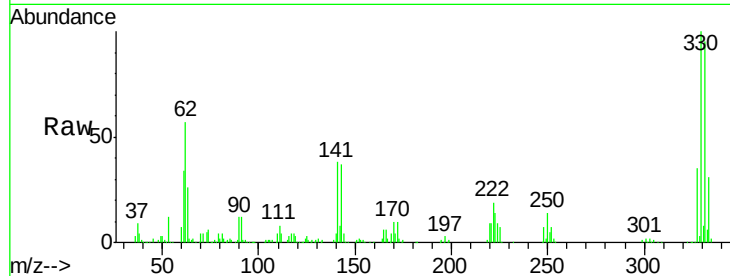
ClientSampleId :

ROLL-OFF-R4MSD

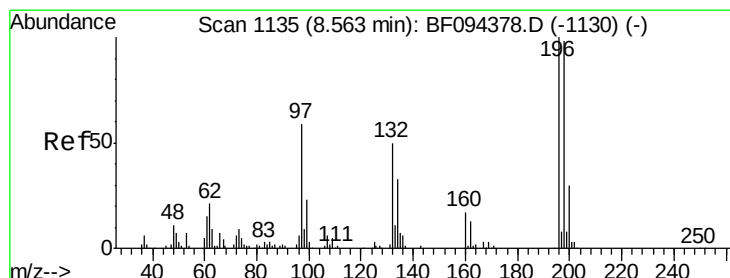
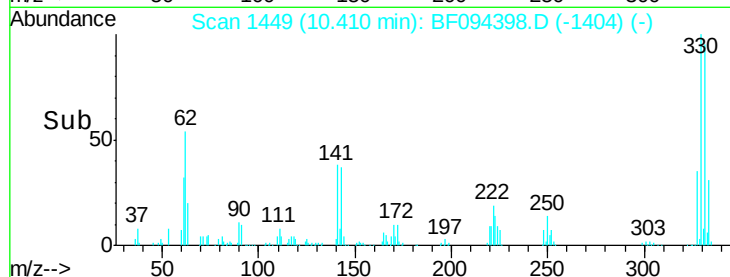
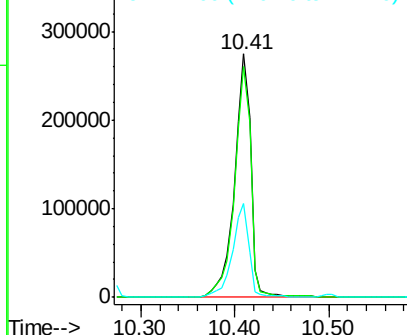
Tot Ion:	330	Resp:	332644
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.6	115.0
141	39.2	31.4	47.2

Manual Integrations
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mohammad
4/14/2017 1:37:04 PM



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: 49.53 ng

RT: 8.52 min Scan# 1128

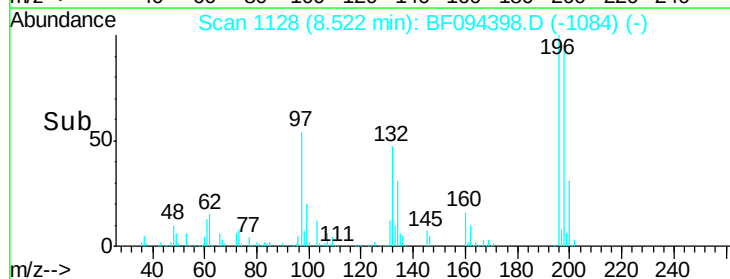
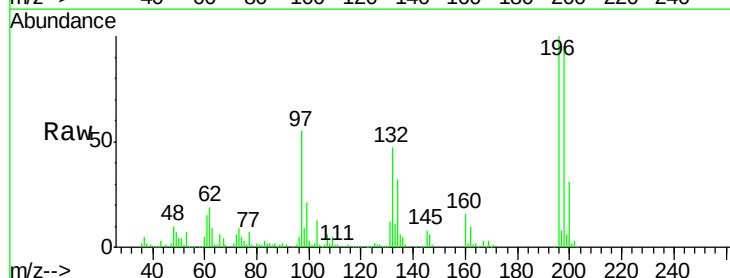
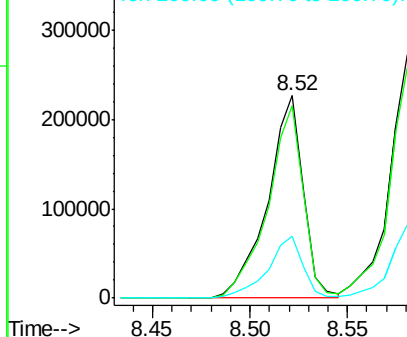
Delta R.T. -0.04 min

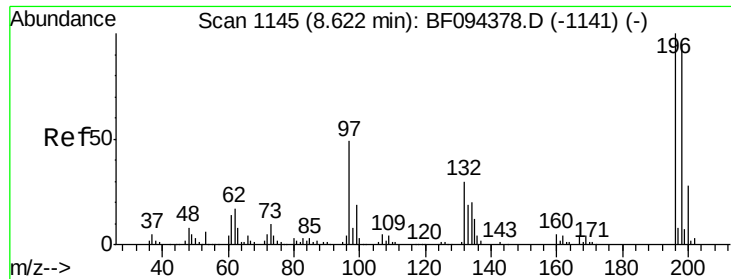
Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	196	Resp:	286661
Ion Ratio	Lower	Upper	
196	100		
198	94.8	74.2	111.4
200	30.8	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





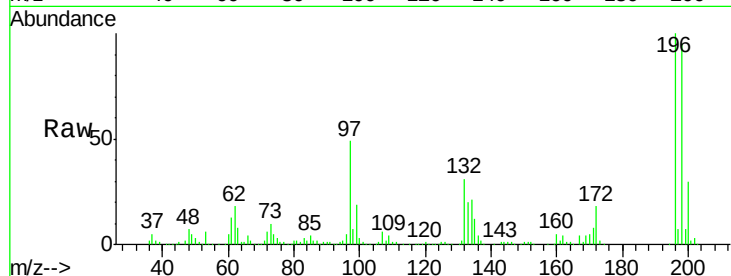
#43
 2,4,5-Trichlorophenol
 Concen: 46.09 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

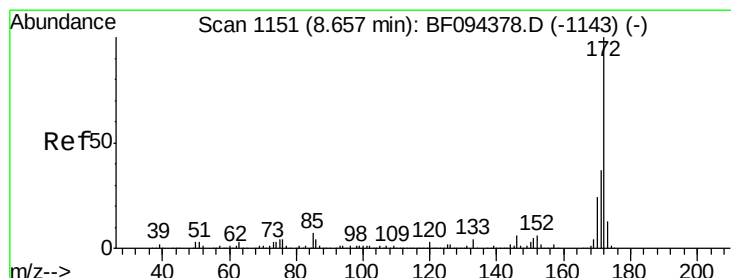
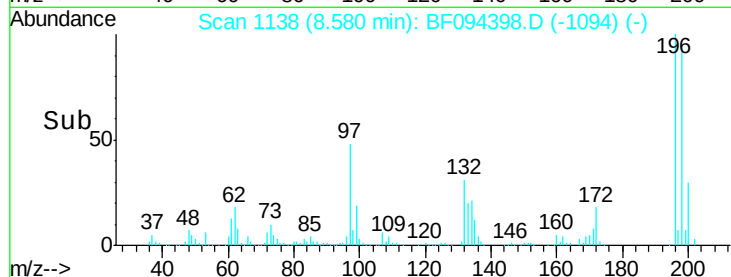
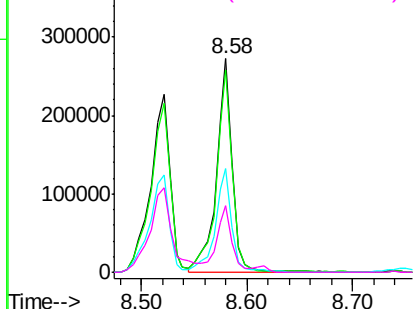
Tot Ion	Ratio	Resp	Lower	Upper
196	100	288607		
198	94.9		75.7	113.5
97	48.7		47.7	71.5
132	31.3		28.0	42.0

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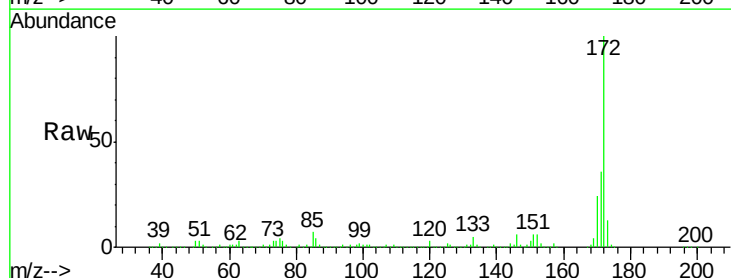


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

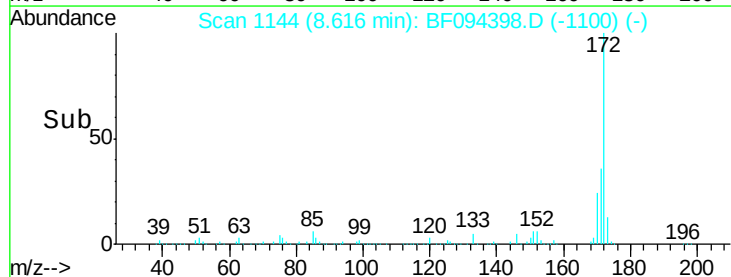
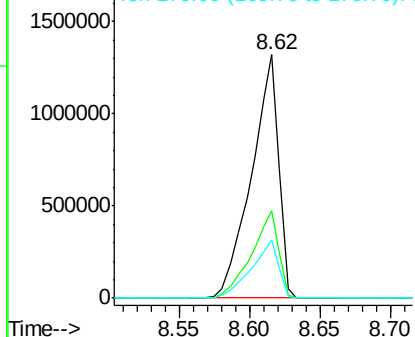


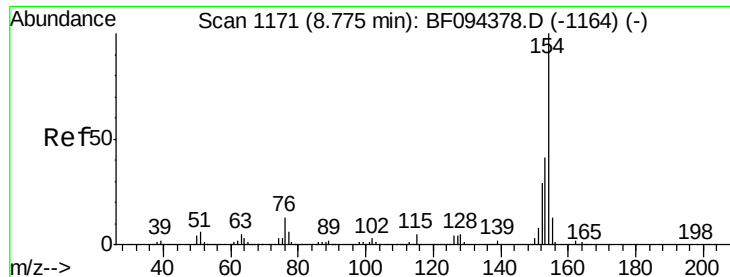
#44
 2-Fluorobiphenyl
 Concen: 91.28 ng
 RT: 8.62 min Scan# 1144
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1789489		
171	36.0		29.6	44.4
170	23.8		19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 46.14 ng

RT: 8.73 min Scan# 1164

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:154 Resp: 1112796

Ion Ratio Lower Upper

154 100

153 41.0 21.2 61.2

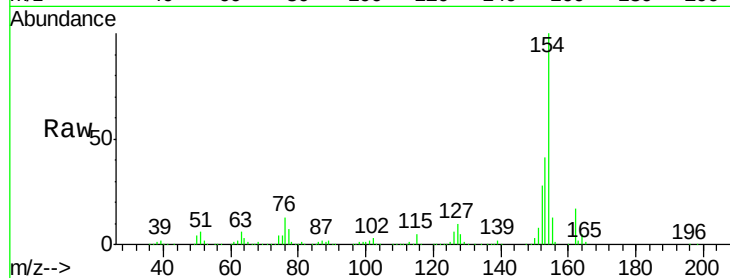
76 12.5 0.0 29.9

Manual Integrations

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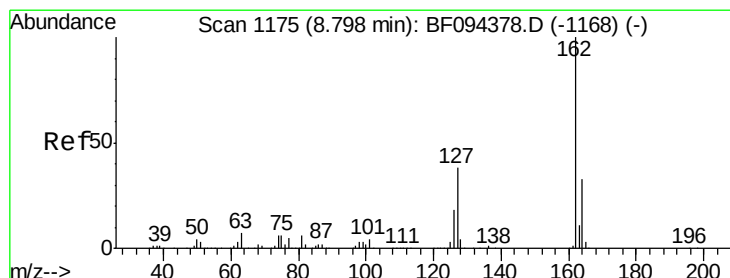
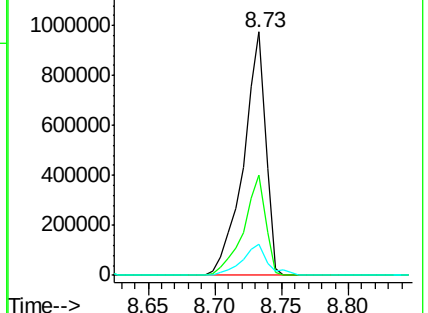
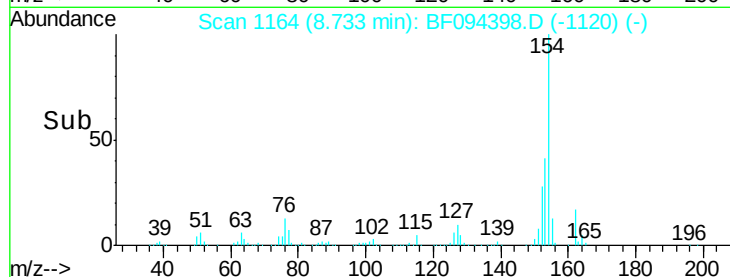
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 46.31 ng

RT: 8.75 min Scan# 1167

Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

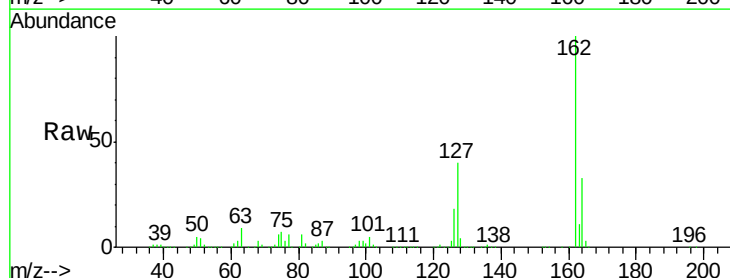
Tgt Ion:162 Resp: 874314

Ion Ratio Lower Upper

162 100

127 40.1 28.3 42.5

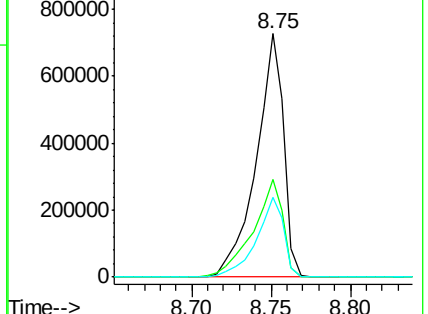
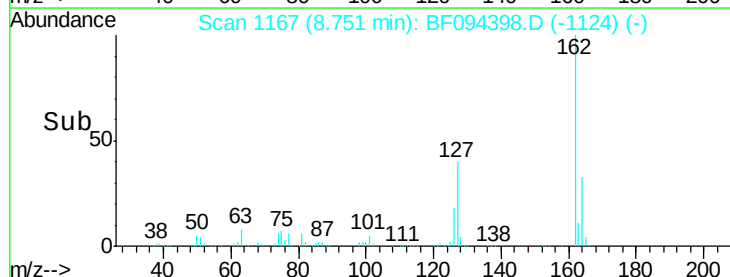
164 32.6 27.0 40.4

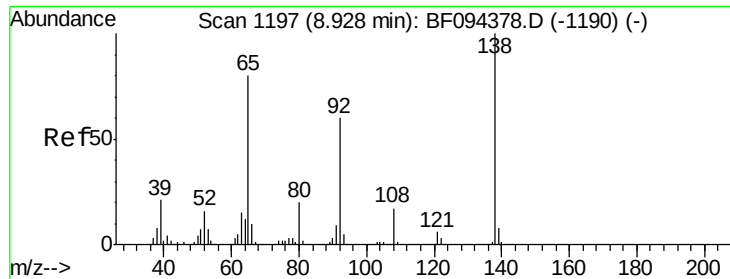


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





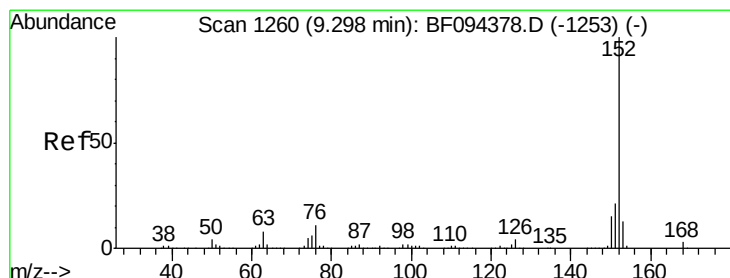
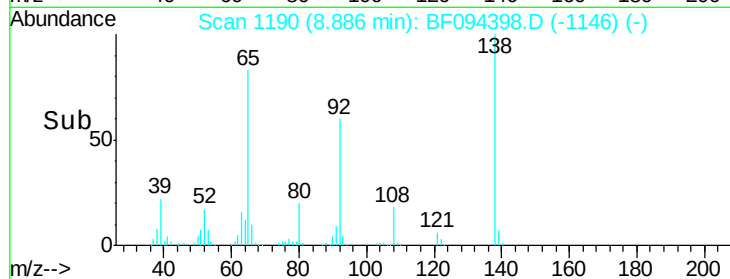
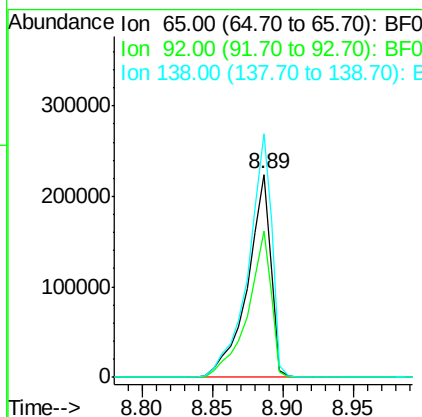
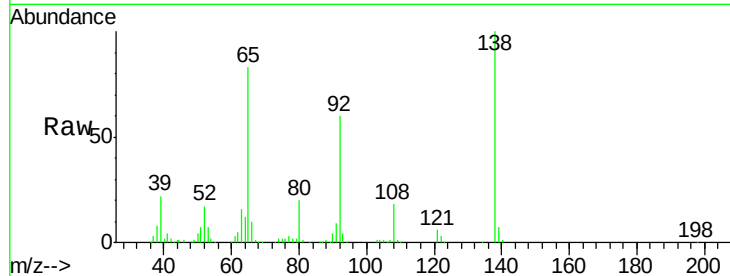
#47
2-Nitroaniline
Concen: 46.42 ng
RT: 8.89 min Scan# 1190
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	72.0	53.9	80.9
138	120.0	78.8	118.2

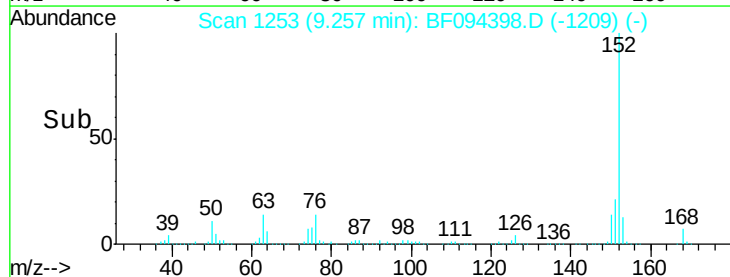
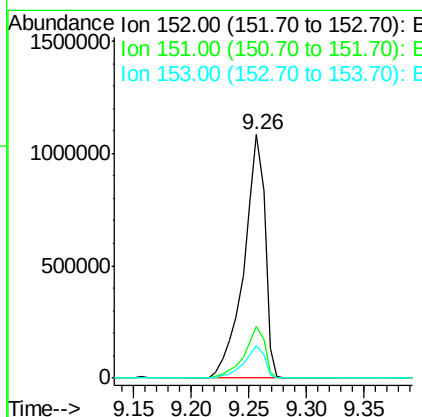
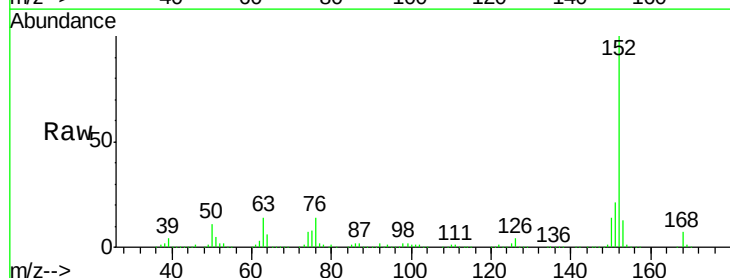
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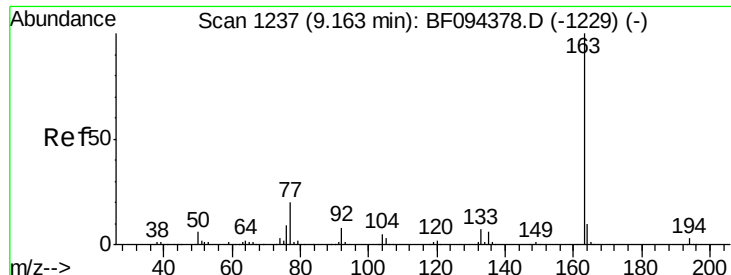
mohammad
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#48
Acenaphthylene
Concen: 43.47 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2
153	13.3	10.8	16.2





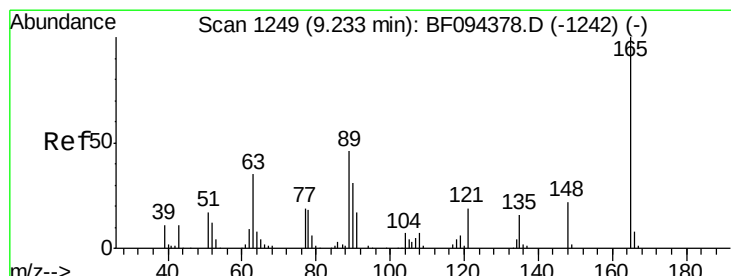
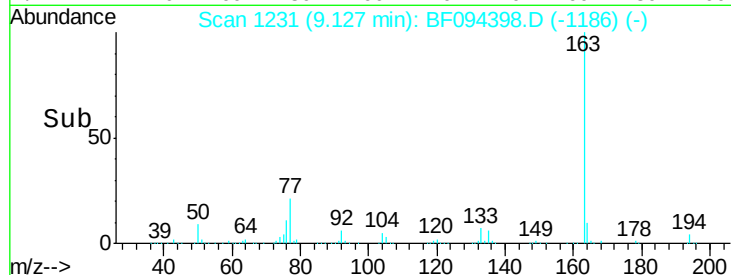
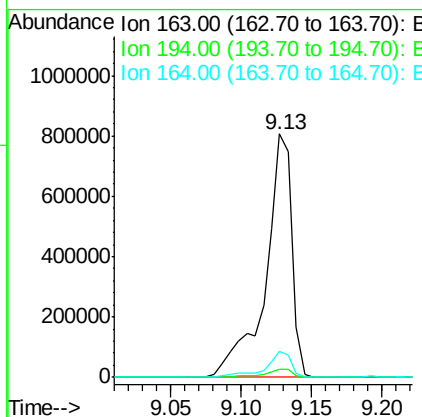
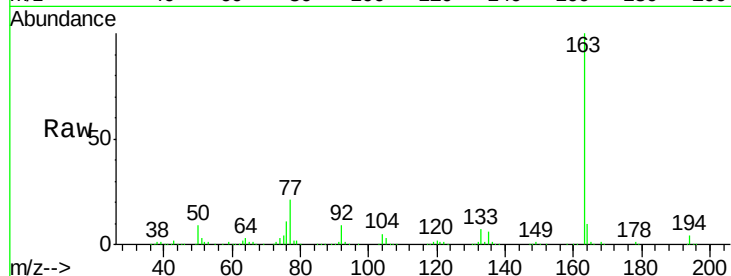
#49
Dimethylphthalate
Concen: 49.97 ng
RT: 9.13 min Scan# 1231
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion:163 Resp: 1062174
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.4 8.4 12.6

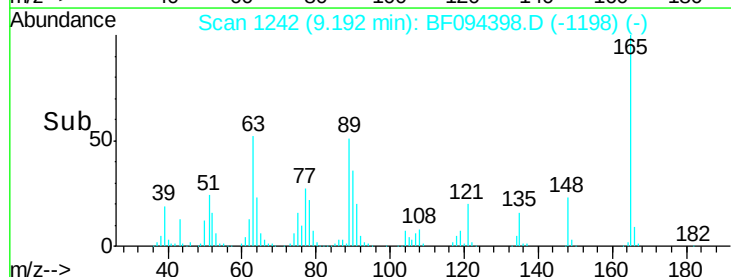
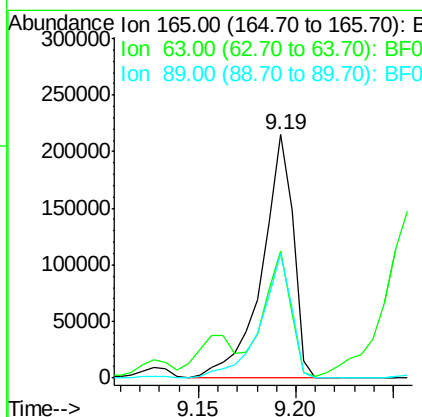
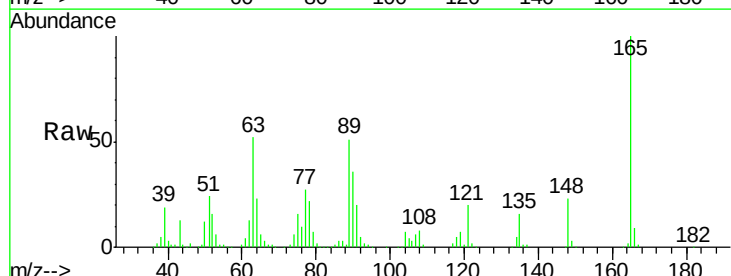
Manual Integrations
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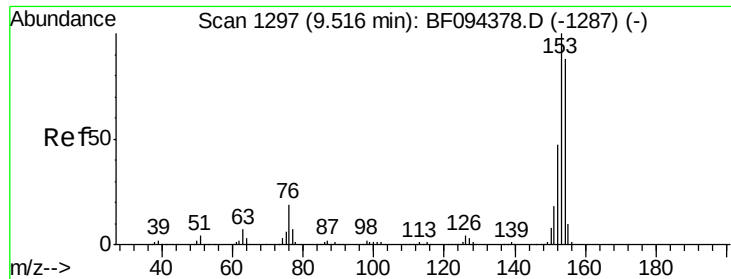
mohammad
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#50
2,6-Dinitrotoluene
Concen: 48.90 ng
RT: 9.19 min Scan# 1242
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion:165 Resp: 238278
Ion Ratio Lower Upper
165 100
63 52.5 34.3 51.5#
89 51.3 37.1 55.7





#51

Acenaphthene

Concen: 45.79 ng

RT: 9.47 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

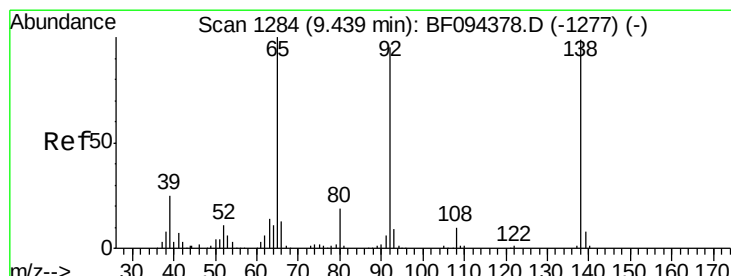
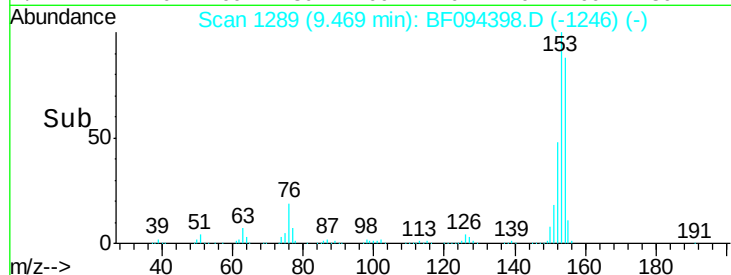
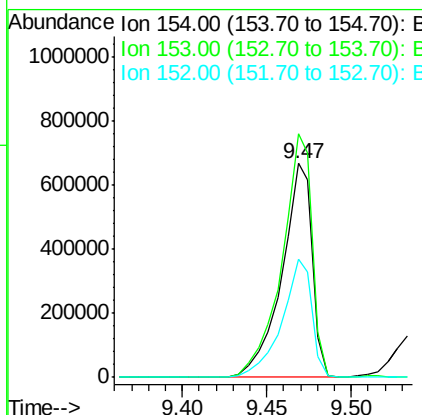
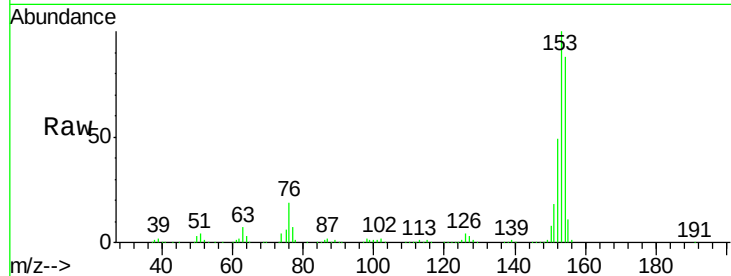
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	154	Resp:	838300
Ion Ratio	Lower	Upper	
154	100		
153	113.7	90.5	135.7
152	55.2	43.6	65.4

Manual Integrations
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#52

3-Nitroaniline

Concen: 15.31 ng

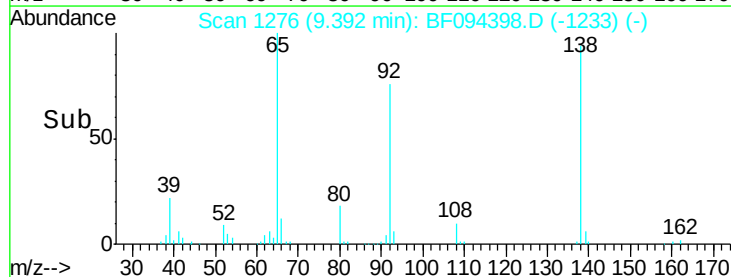
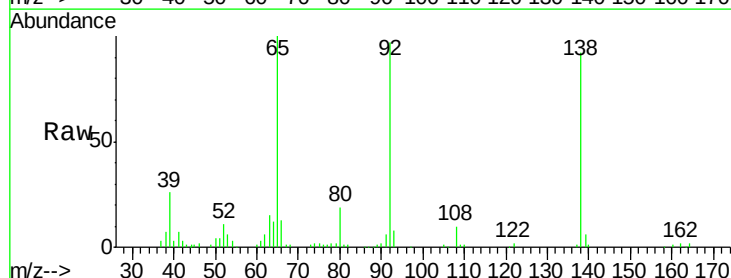
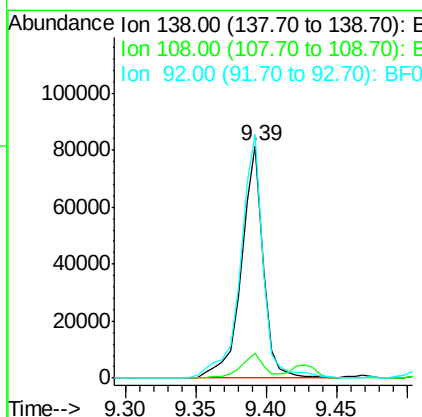
RT: 9.39 min Scan# 1276

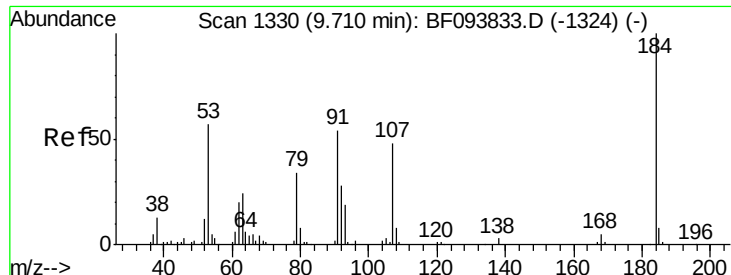
Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	138	Resp:	87581
Ion Ratio	Lower	Upper	
138	100		
108	10.4	9.1	13.7
92	104.8	93.8	140.6





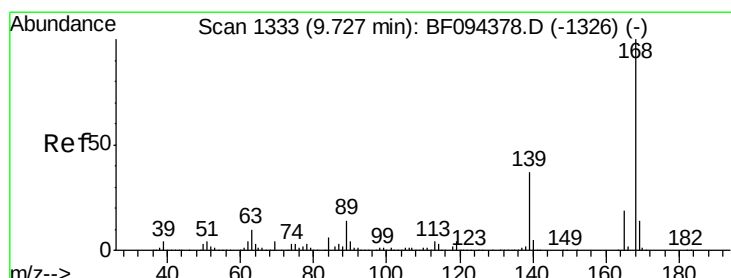
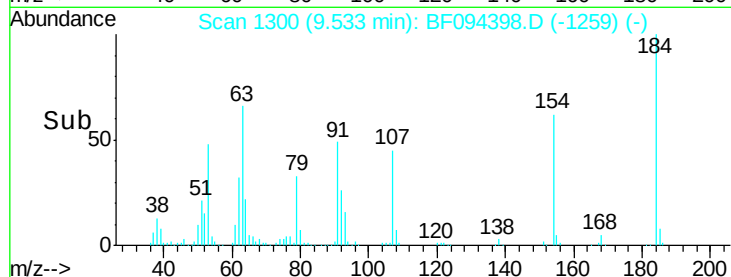
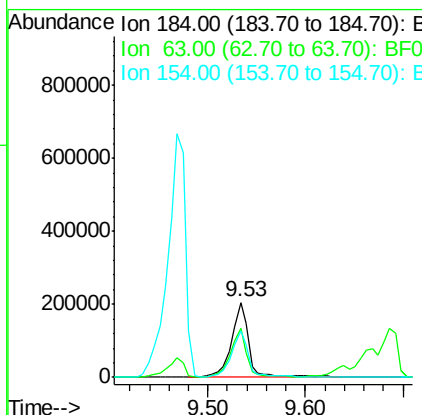
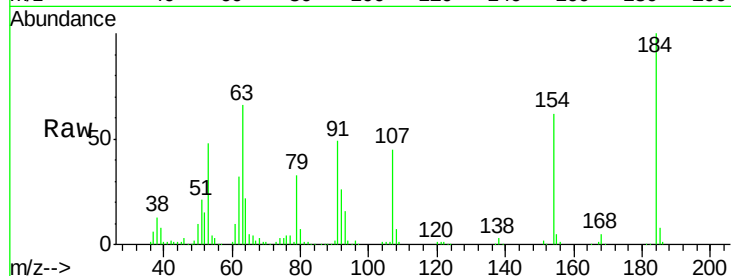
#53
2,4-Dinitrophenol
Concen: 96.76 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.06 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	65.8	62.7	94.1
154	62.2	81.1	121.7

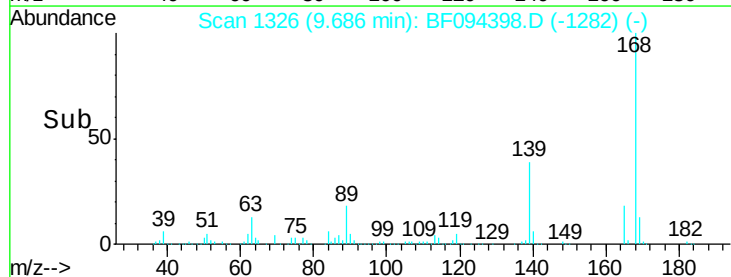
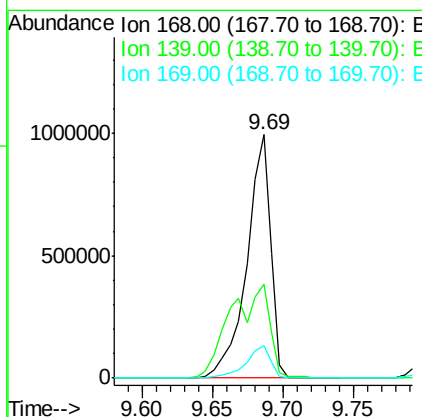
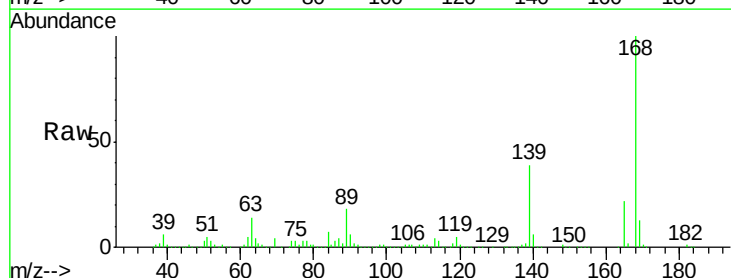
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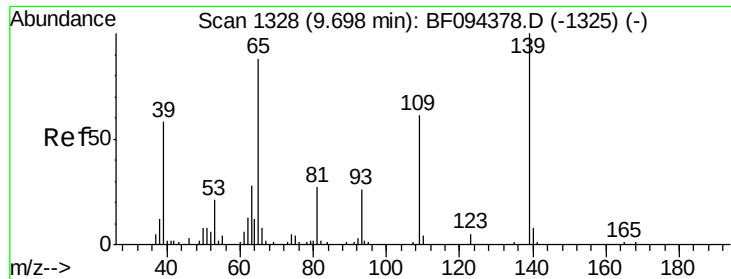
mohammad
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#54
Dibenzofuran
Concen: 47.14 ng
RT: 9.69 min Scan# 1326
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.6	45.8
169	13.3	10.8	16.2





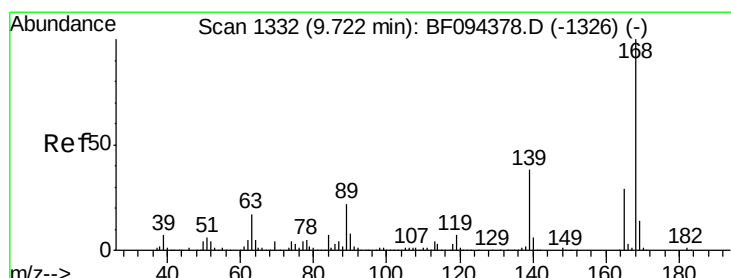
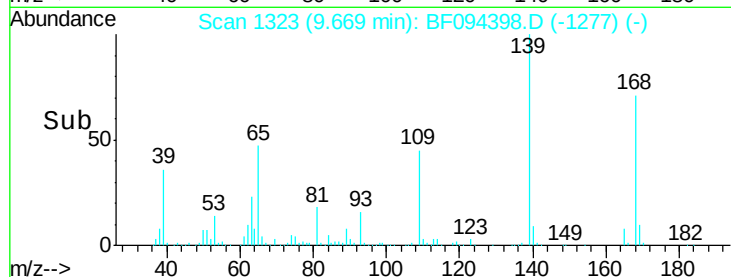
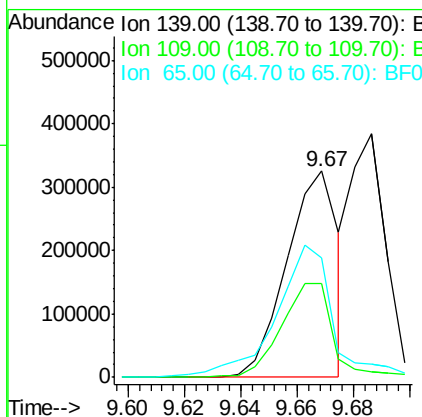
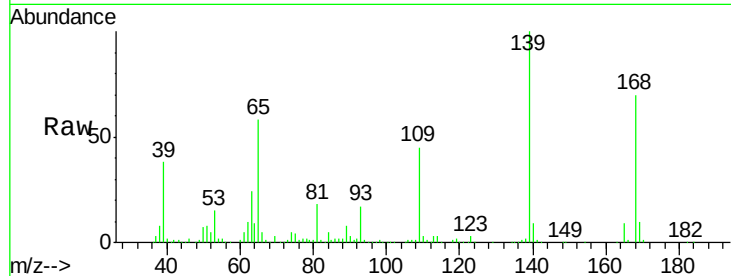
#55
4-Nitrophenol
Concen: 91.60 ng
RT: 9.67 min Scan# 1323
Delta R.T. -0.03 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	45.2	34.1	74.1
65	57.6	31.4	71.4

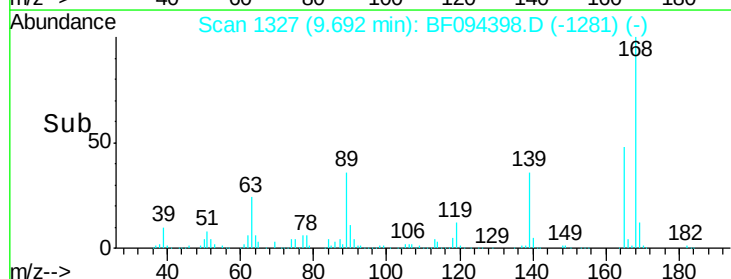
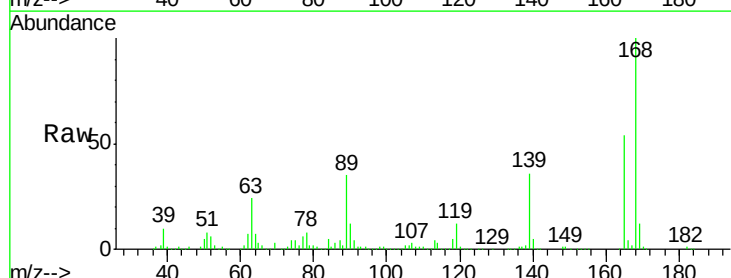
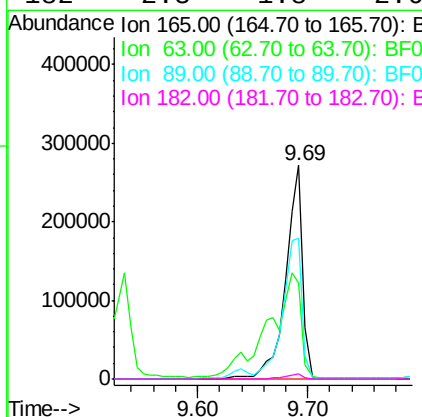
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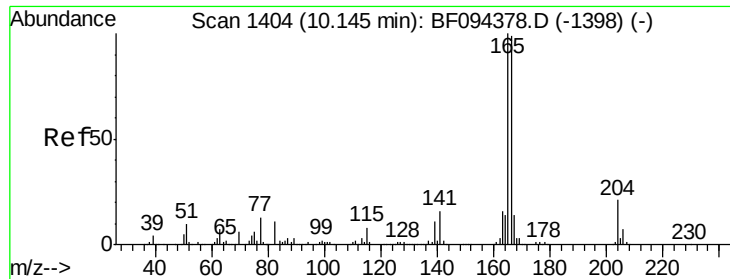
mohammad
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#56
2,4-Dinitrotoluene
Concen: 47.02 ng
RT: 9.69 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.7	25.4	38.0#
89	66.2	46.4	69.6
182	2.3	1.8	2.6





#57

Fluorene

Concen: 44.45 ng

RT: 10.10 min Scan# 1397

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

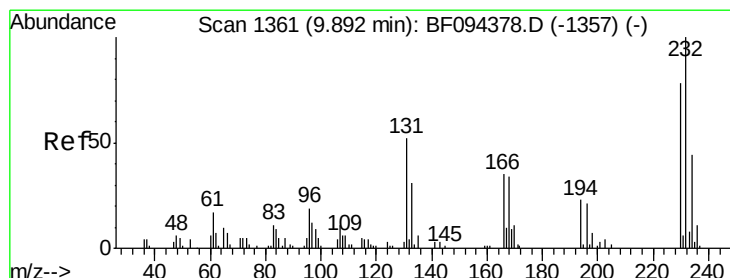
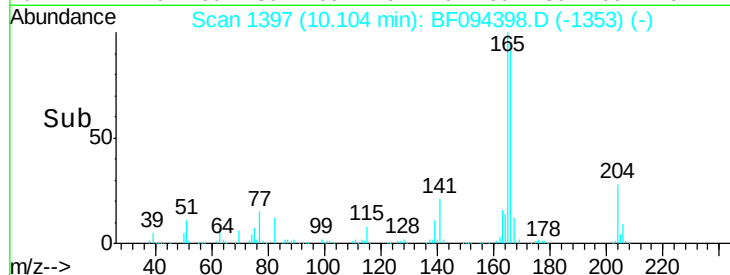
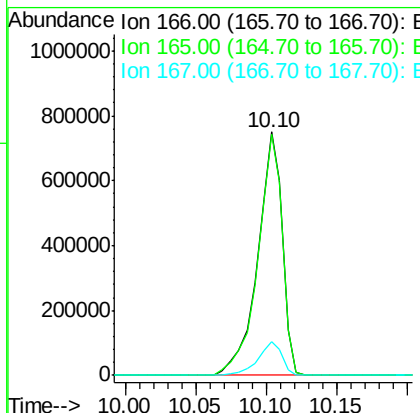
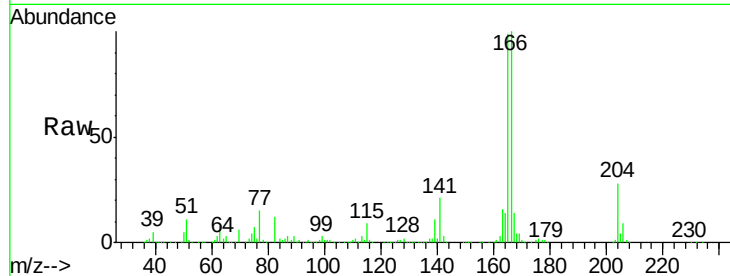
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	166	Resp:	918741
Ion Ratio	Lower	Upper	
166	100		
165	98.9	78.8	118.2
167	13.7	10.6	16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 51.18 ng

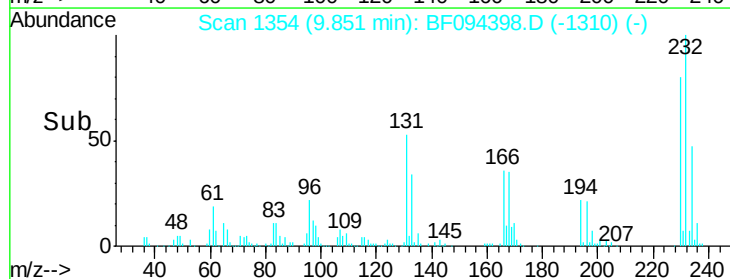
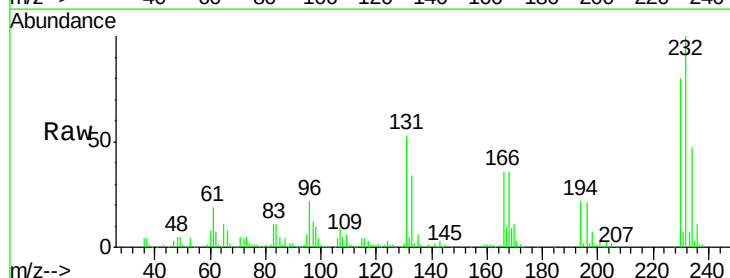
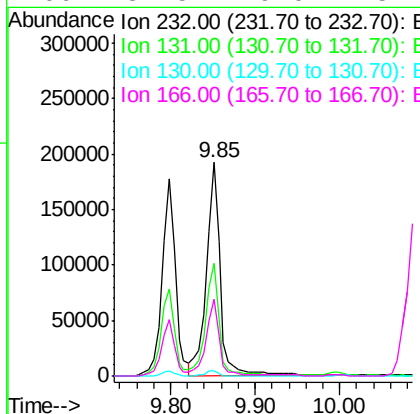
RT: 9.85 min Scan# 1354

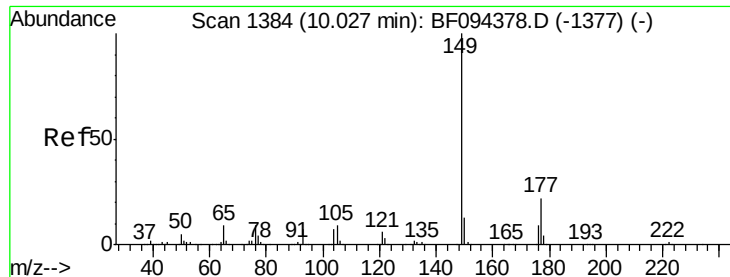
Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	232	Resp:	219912
Ion Ratio	Lower	Upper	
232	100		
131	51.1	44.8	67.2
130	2.3	2.3	3.5
166	32.5	29.0	43.4





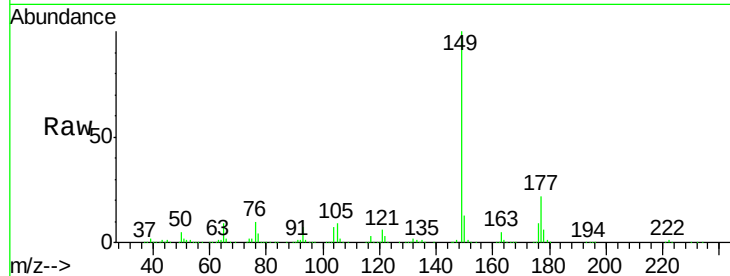
#59
Diethylphthalate
Concen: 48.03 ng
RT: 10.00 min Scan# 1379
Delta R.T. -0.03 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

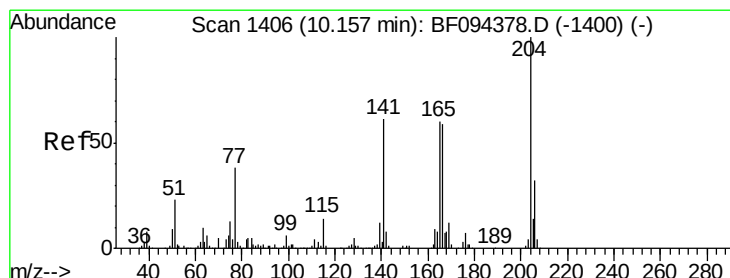
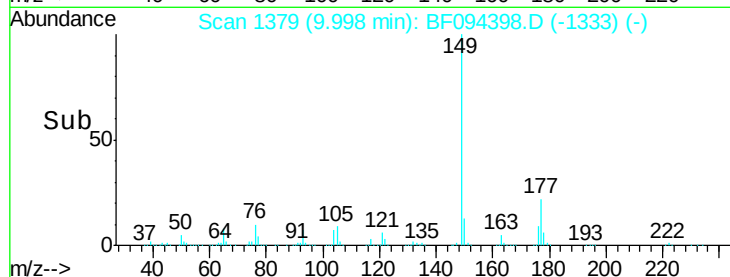
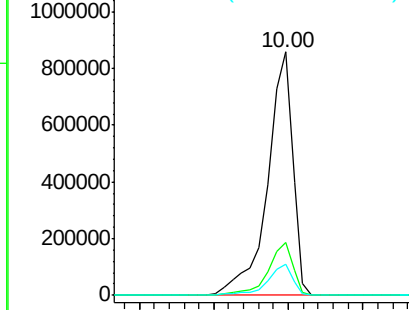
Tot Ion:149 Resp: 1009048
Ion Ratio Lower Upper
149 100
177 21.9 16.7 25.1
150 12.6 10.2 15.2

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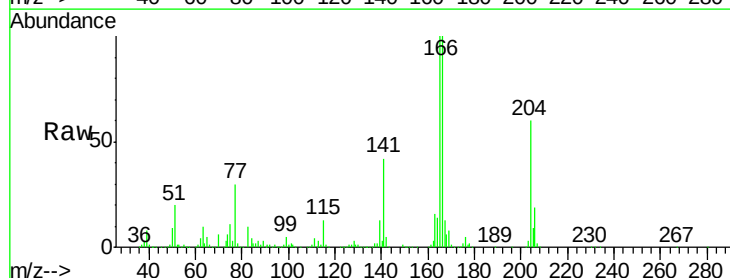


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

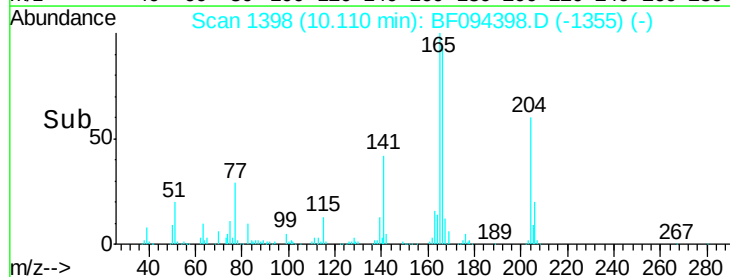
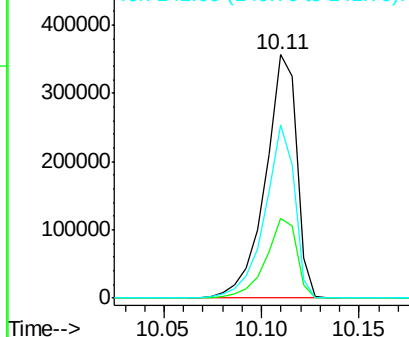


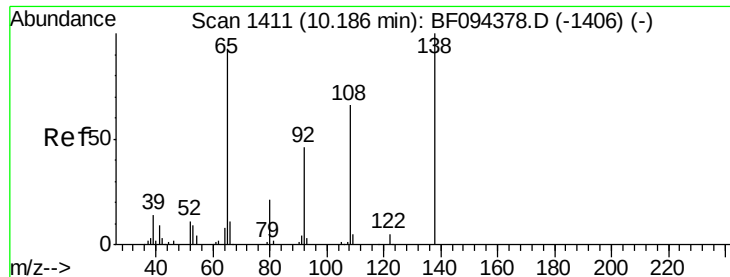
#60
4-Chlorophenyl-phenylether
Concen: 45.10 ng
RT: 10.11 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion:204 Resp: 397118
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 71.0 60.8 91.2



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.88 ng

RT: 10.16 min Scan# 1406

Delta R.T. -0.03 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

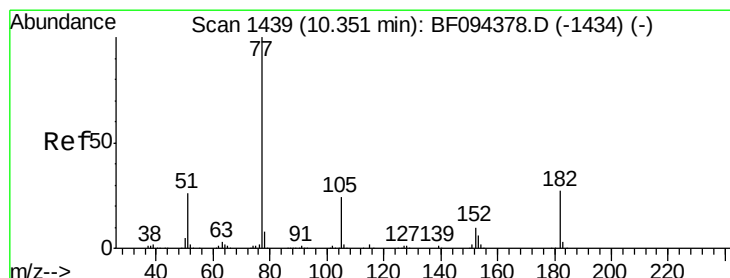
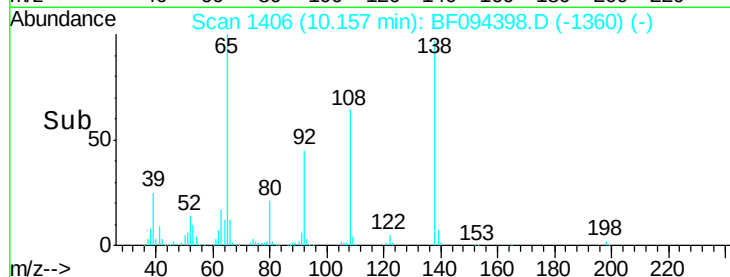
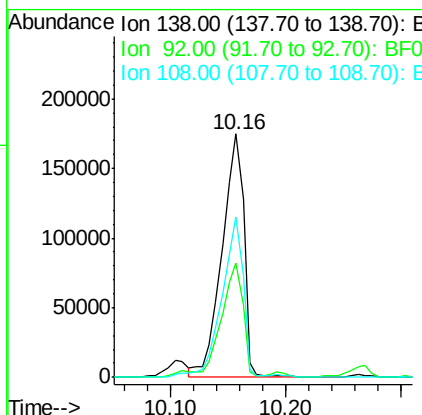
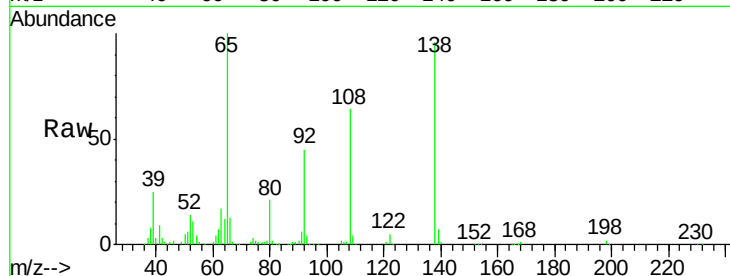
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	138	Resp:	229939
Ion Ratio	Lower	Upper	
138	100		
92	46.8	21.8	61.8
108	65.9	42.3	82.3

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#62

Azobenzene

Concen: 48.06 ng

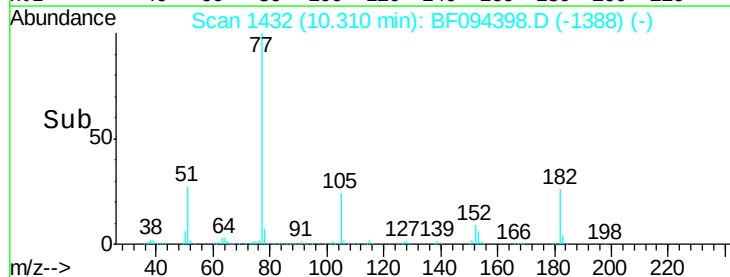
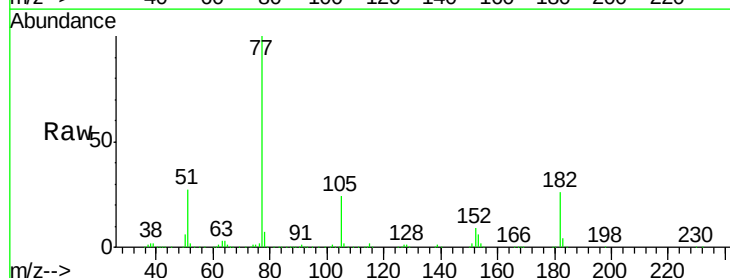
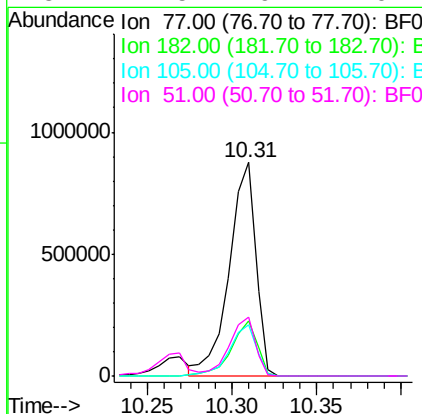
RT: 10.31 min Scan# 1432

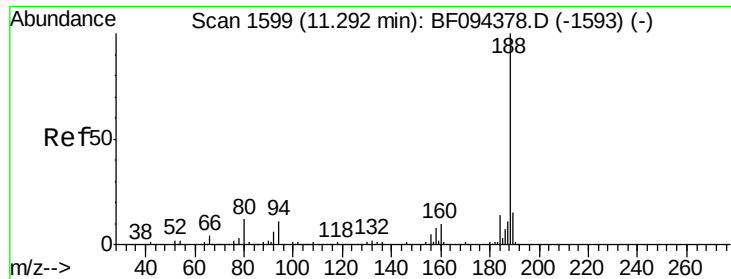
Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	77	Resp:	955200
Ion Ratio	Lower	Upper	
77	100		
182	25.8	0.1	40.1
105	24.0	3.6	43.6
51	27.5	9.4	49.4





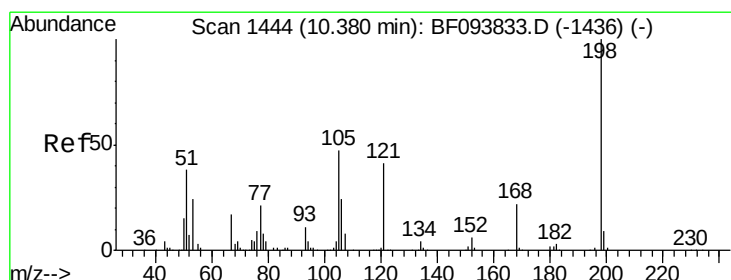
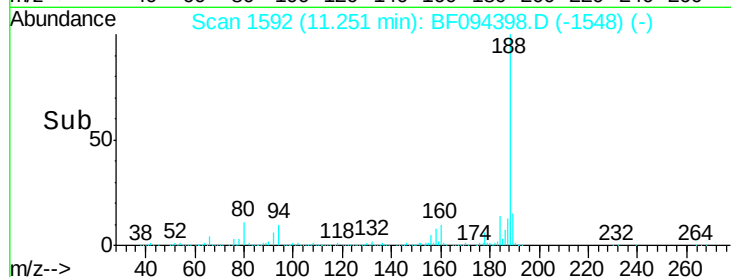
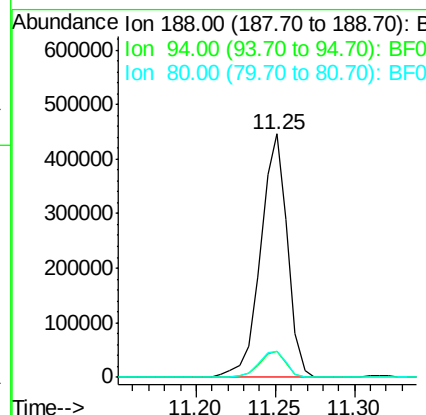
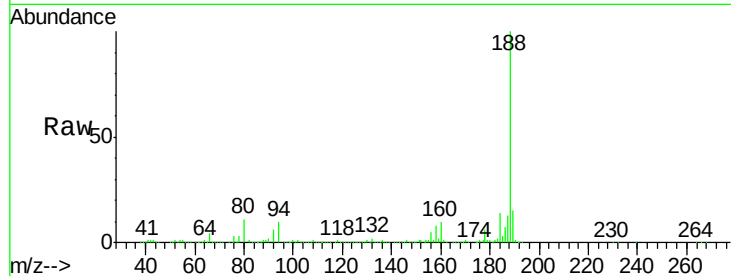
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1592
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	523685		
94	10.5		9.4	14.2
80	10.9		10.2	15.2

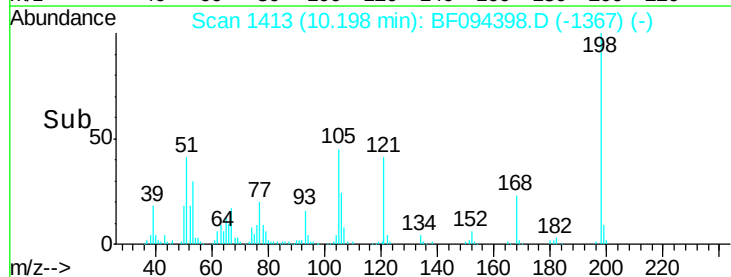
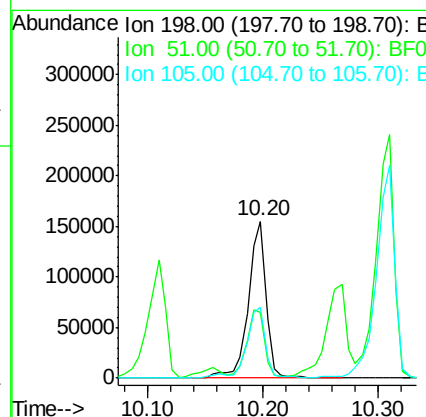
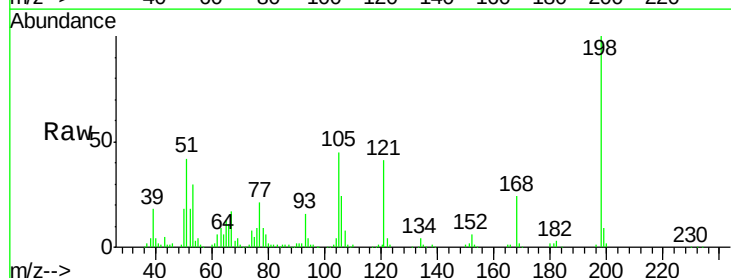
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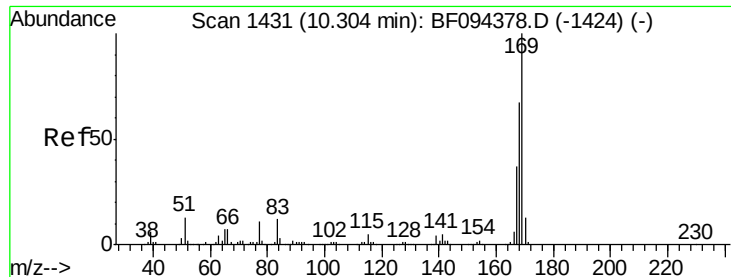
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#64
4,6-Dinitro-2-methylphenol
Concen: 51.95 ng
RT: 10.20 min Scan# 1413
Delta R.T. -0.03 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	166614		
51	41.5		53.2	93.2#
105	44.9		45.8	85.8#





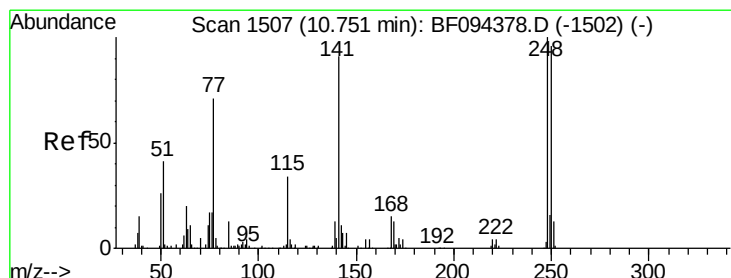
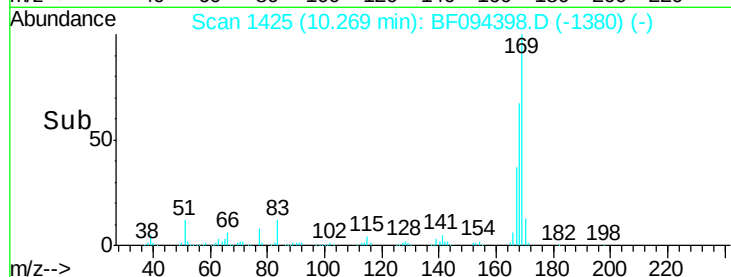
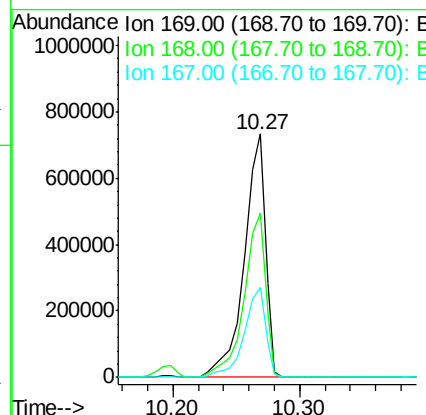
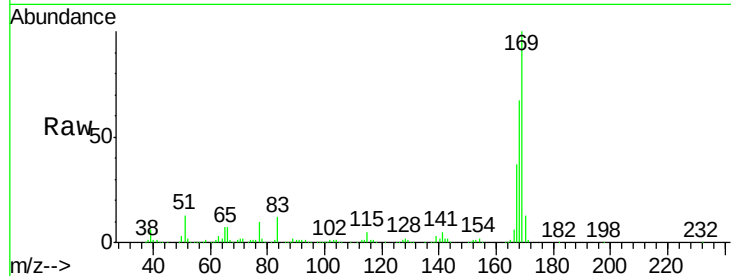
#65
n-Nitrosodiphenylamine
Concen: 47.02 ng
RT: 10.27 min Scan# 1425
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	851474		
168	67.3	53.2	79.8	
167	37.2	29.5	44.3	

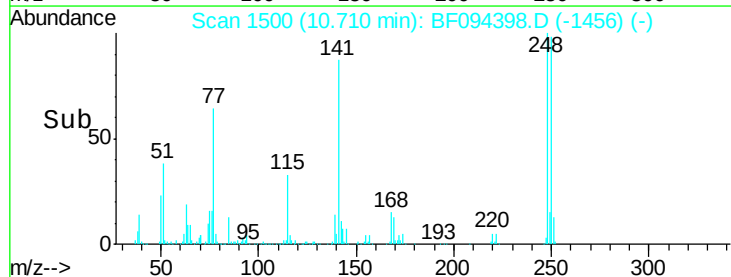
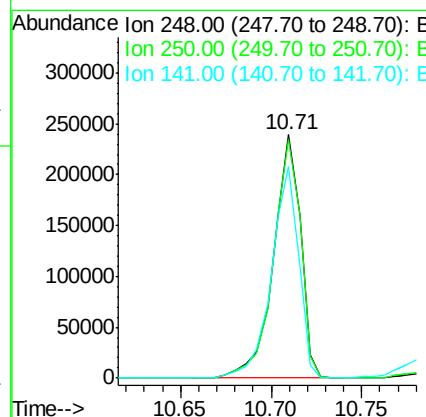
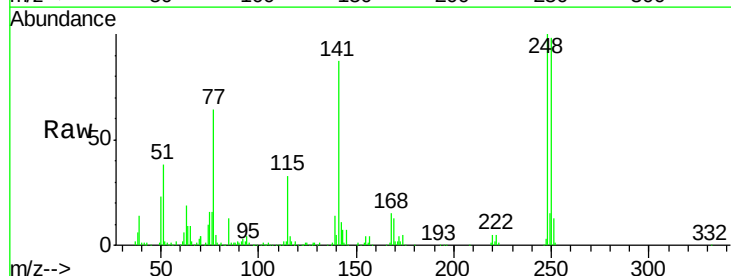
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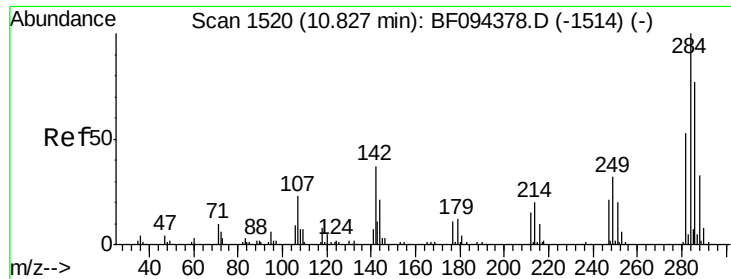
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#66
4-Bromophenyl-phenylether
Concen: 48.32 ng
RT: 10.71 min Scan# 1500
Delta R.T. -0.04 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	248862		
250	98.1	76.8	115.2	
141	87.2	68.6	103.0	





#67

Hexachlorobenzene

Concen: 47.76 ng

RT: 10.78 min Scan# 1512

Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

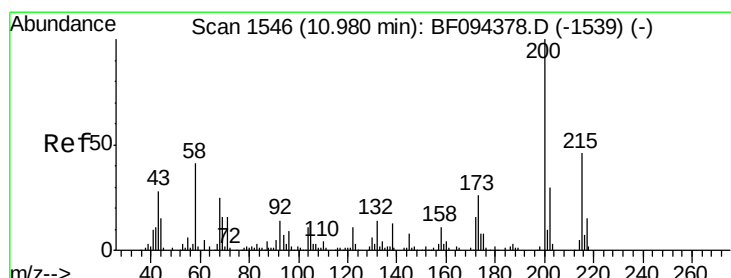
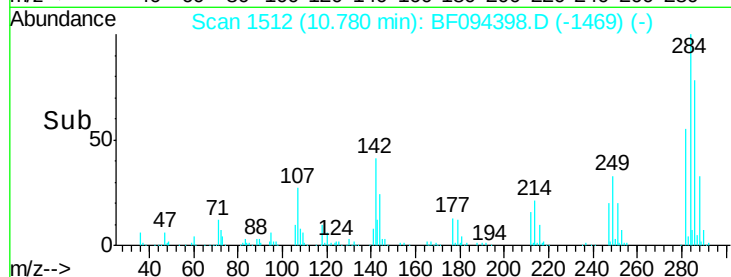
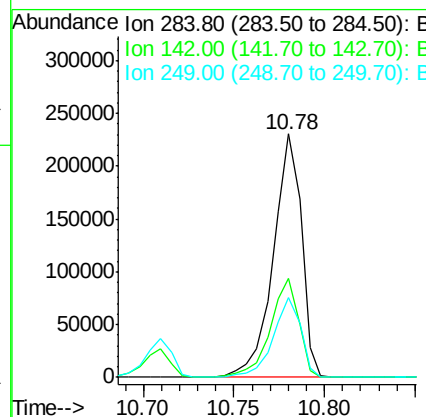
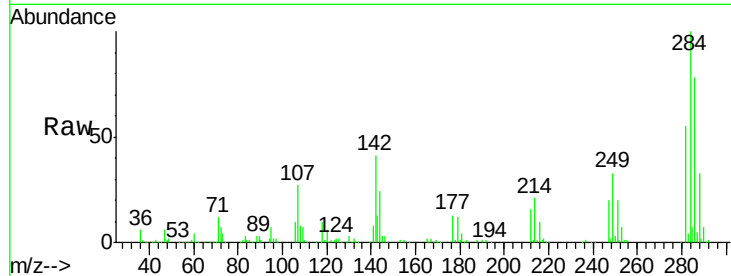
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	284	Resp:	248988
Ion Ratio	Lower	Upper	
284	100		
142	40.9	22.8	34.2#
249	32.8	24.0	36.0

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#68

Atrazine

Concen: 46.33 ng

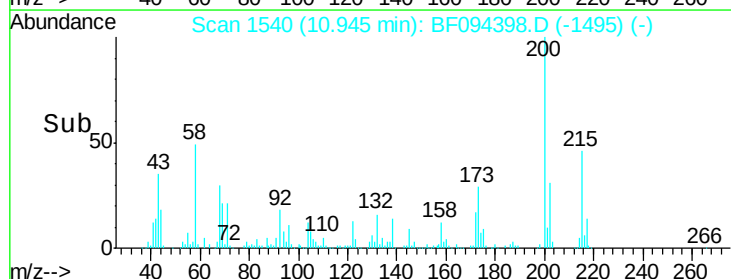
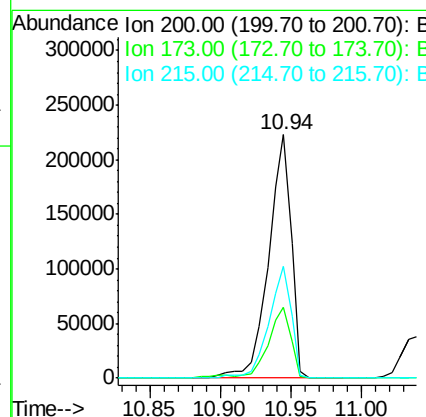
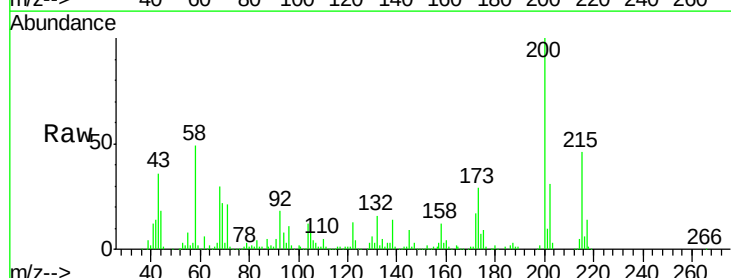
RT: 10.94 min Scan# 1540

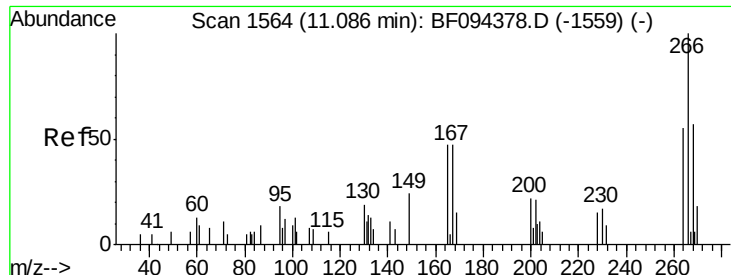
Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	200	Resp:	251302
Ion Ratio	Lower	Upper	
200	100		
173	29.3	6.3	46.3
215	46.1	27.2	67.2





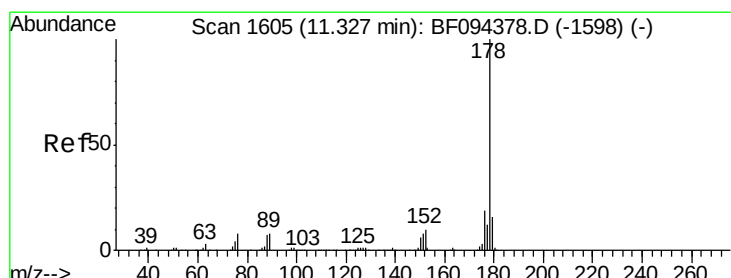
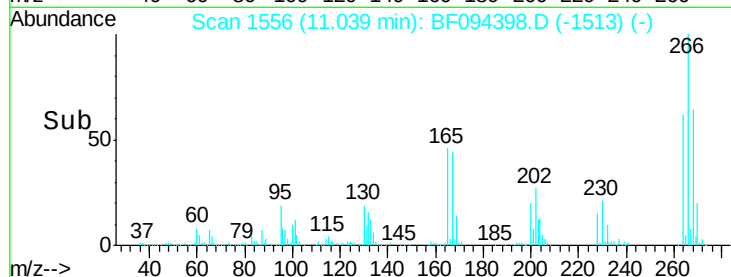
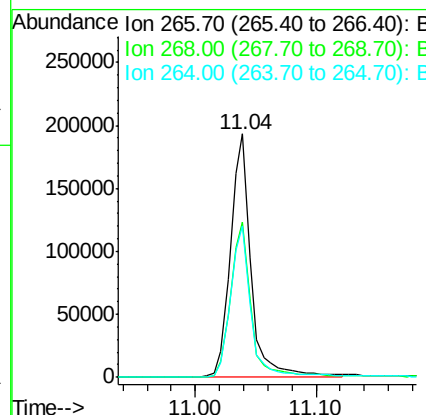
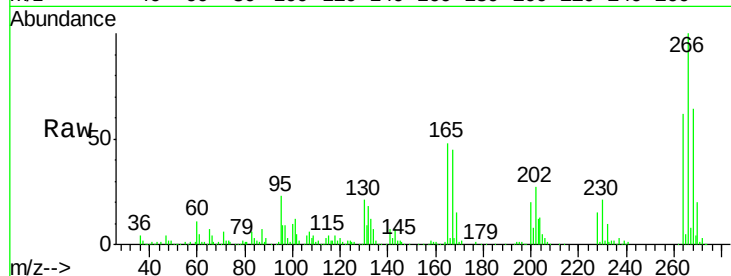
#69
 Pentachlorophenol
 Concen: 70.45 ng
 RT: 11.04 min Scan# 1556
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

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

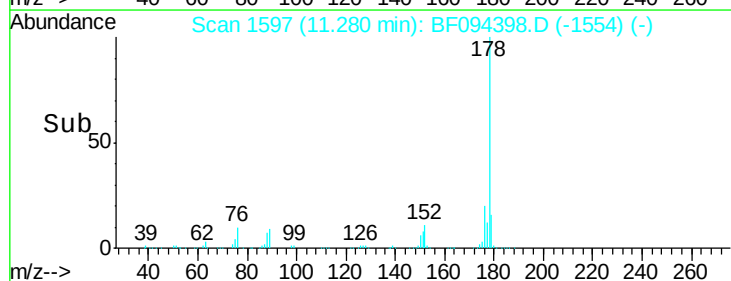
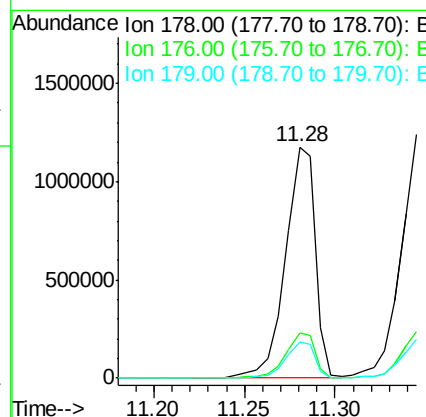
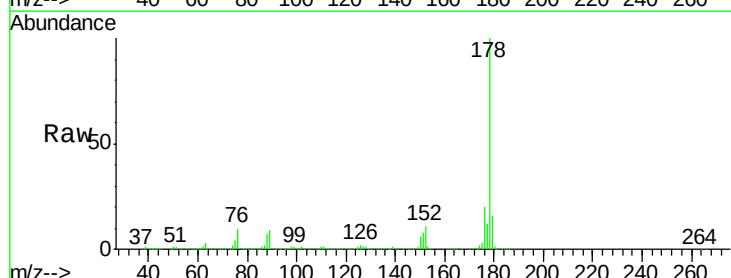
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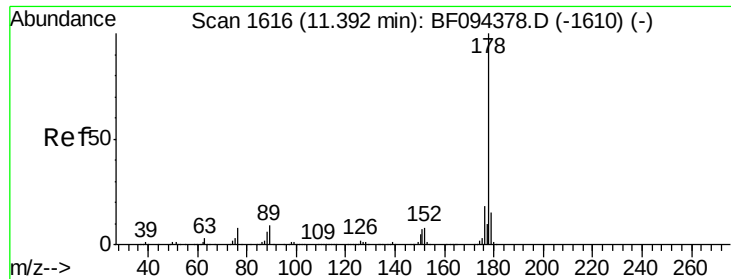
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#70
 Phenanthrene
 Concen: 46.46 ng
 RT: 11.28 min Scan# 1597
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.6	12.6	19.0





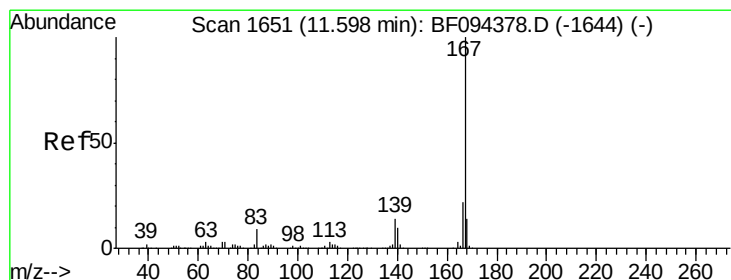
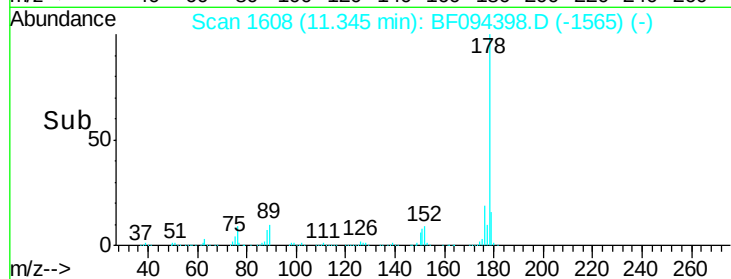
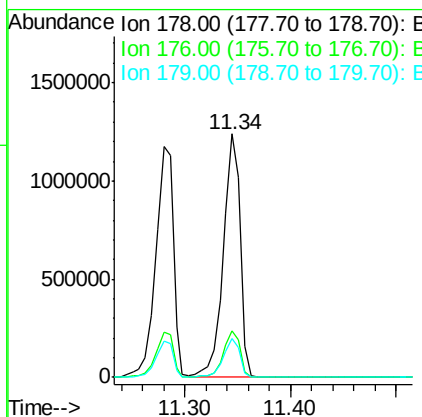
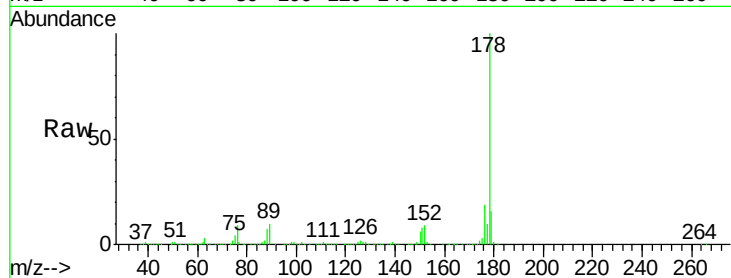
#71
 Anthracene
 Concen: 46.05 ng
 RT: 11.34 min Scan# 1608
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Tot Ion:178 Resp: 1381134
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.7 12.7 19.1

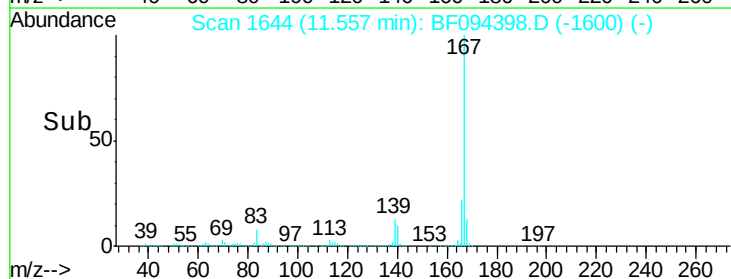
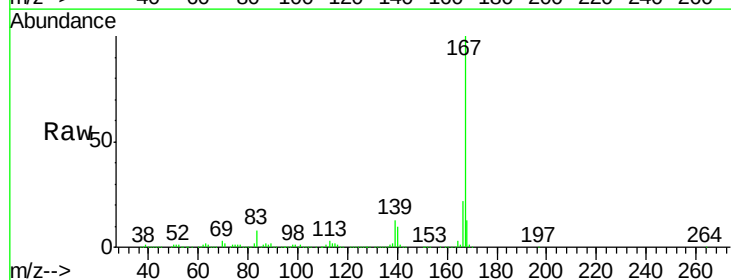
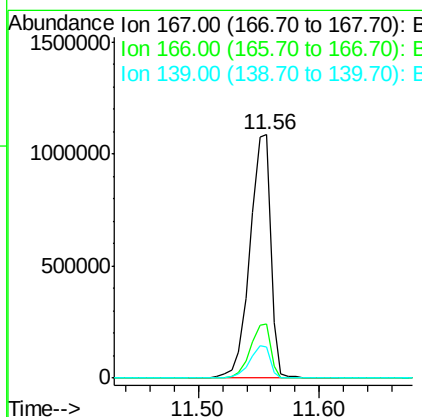
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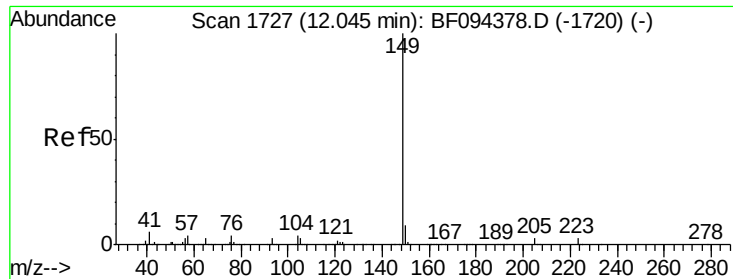
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#72
 Carbazole
 Concen: 42.86 ng
 RT: 11.56 min Scan# 1644
 Delta R.T. -0.04 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion:167 Resp: 1318307
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.1 27.1
 139 12.8 11.7 17.5





#73

Di-n-butylphthalate

Concen: 48.81 ng

RT: 12.00 min Scan# 1720

Delta R.T. -0.04 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:149 Resp: 1561209

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

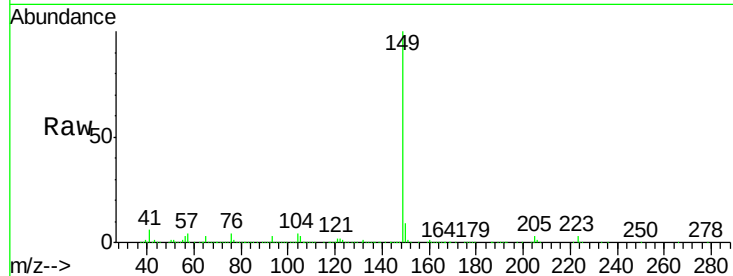
104 4.4 4.0 6.0

Manual Integrations

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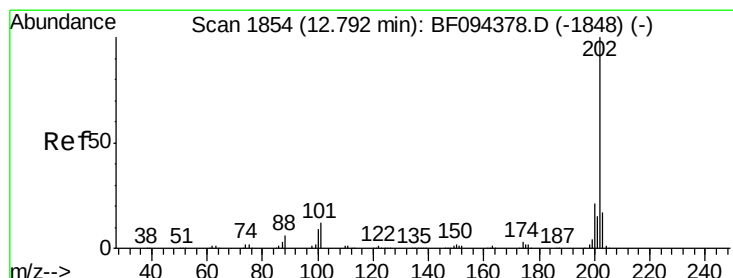
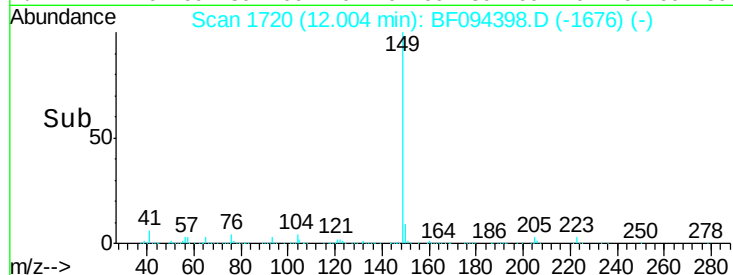
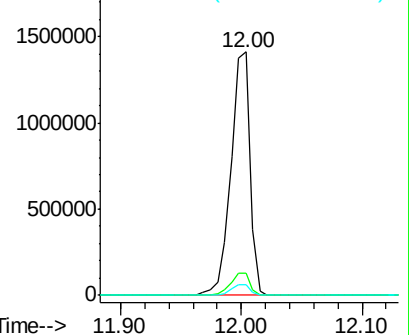
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.37 ng

RT: 12.74 min Scan# 1845

Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

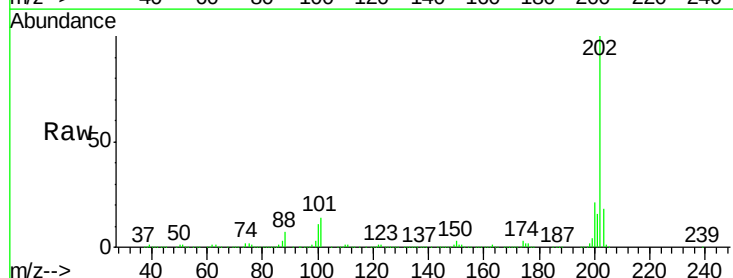
Tgt Ion:202 Resp: 1353412

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

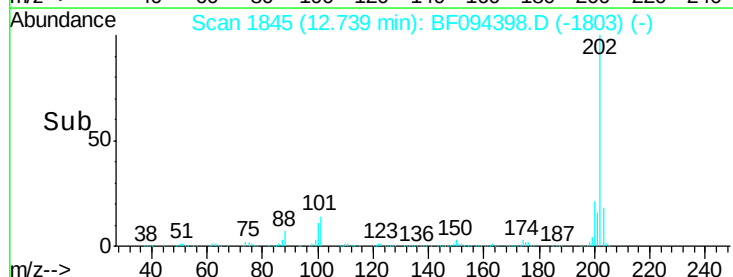
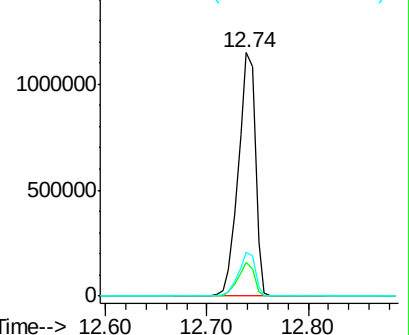
203 17.9 0.0 38.1

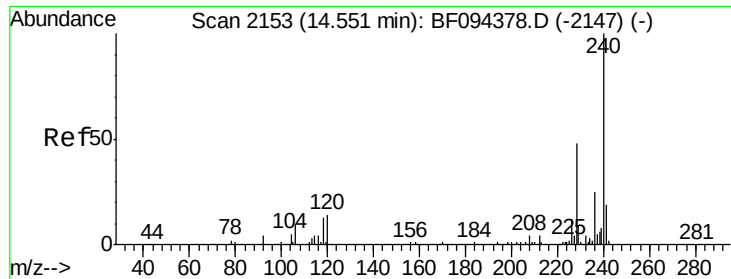


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

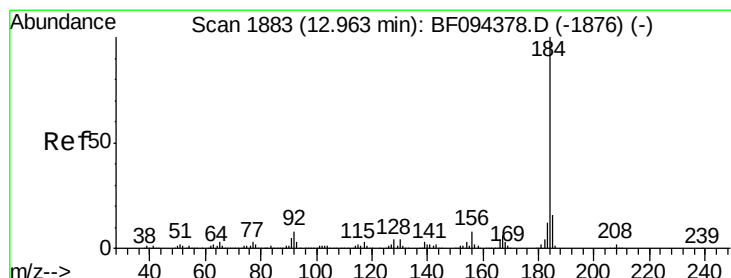
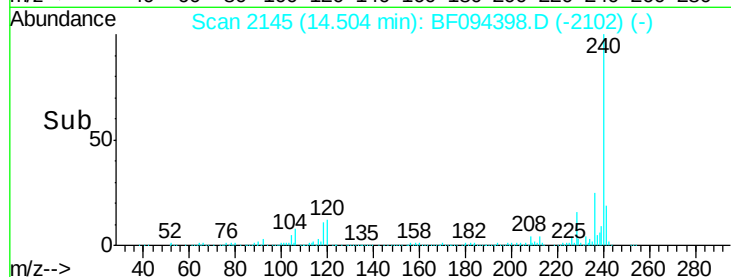
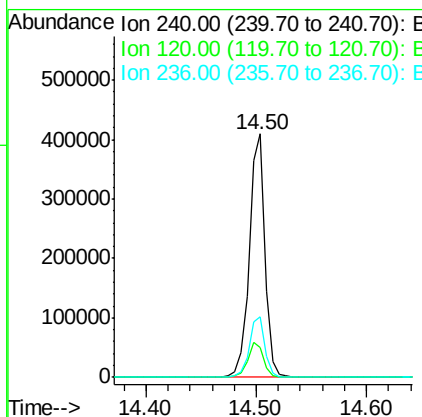
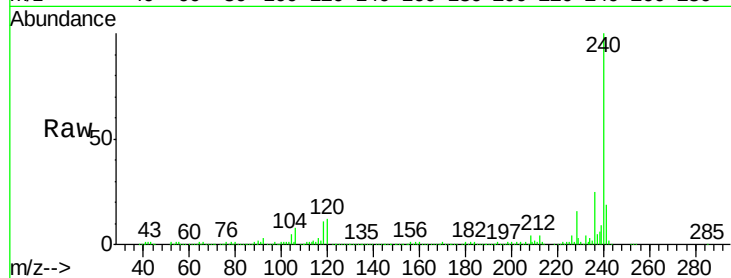
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	5.8	8.8#
236	25.0	20.5	30.7

Manual Integrations
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#76

Benzidine

Concen: 6.13 ng

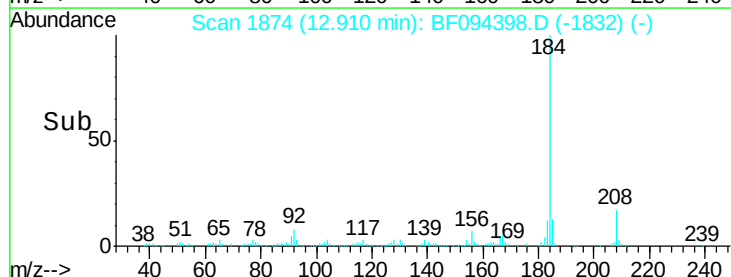
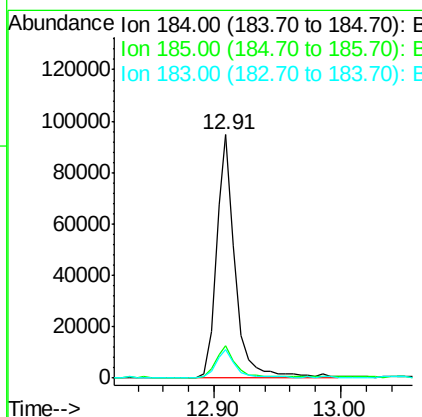
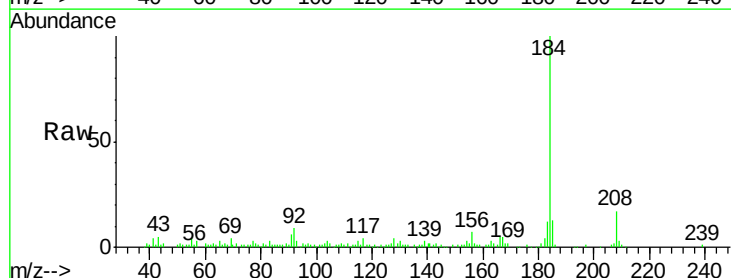
RT: 12.91 min Scan# 1874

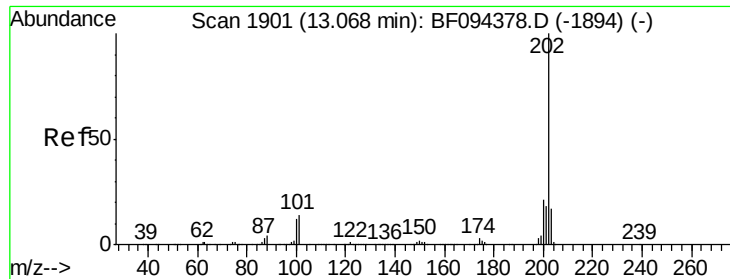
Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.3	15.5	23.3#
183	12.0	9.8	14.6





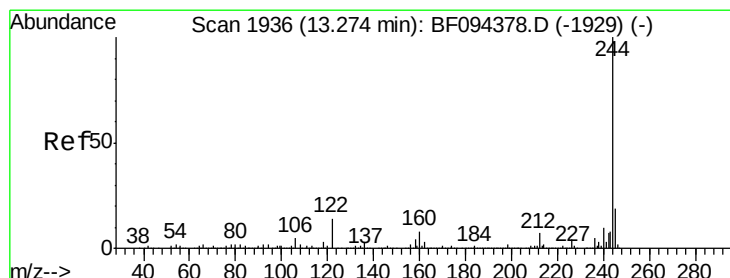
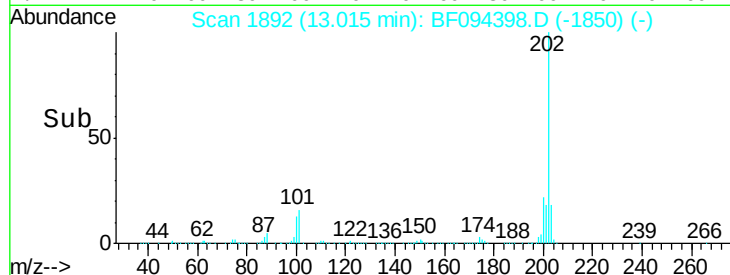
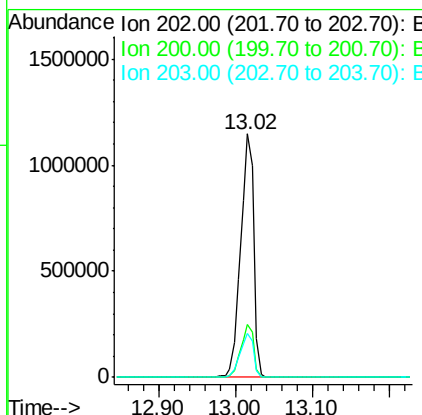
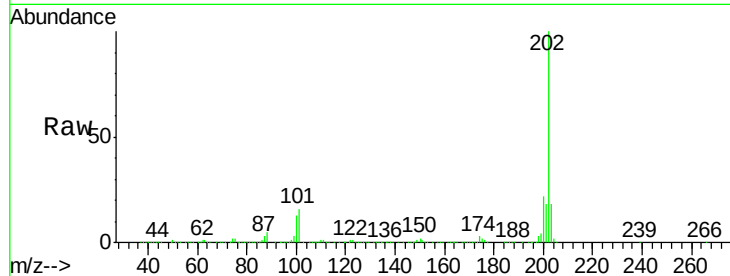
#77
Pvrene
Concen: 46.66 ng
RT: 13.02 min Scan# 1892
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion:202 Resp: 1371210
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 18.1 14.4 21.6

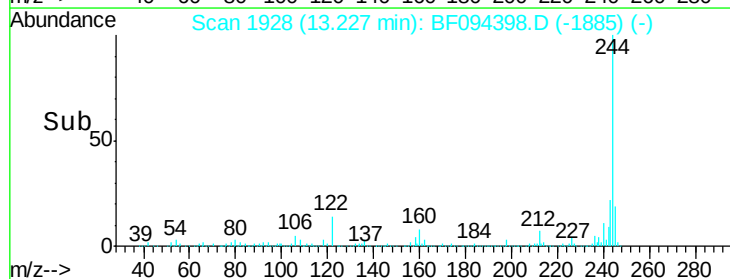
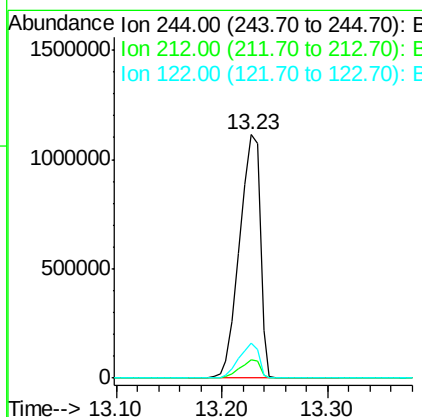
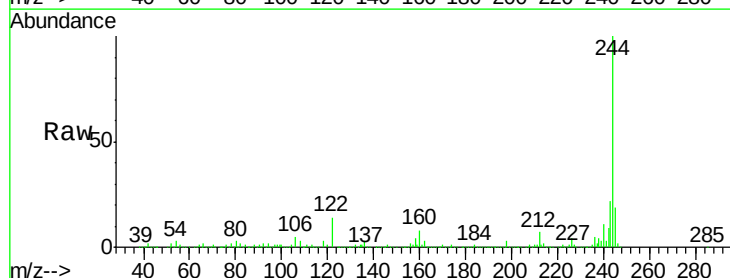
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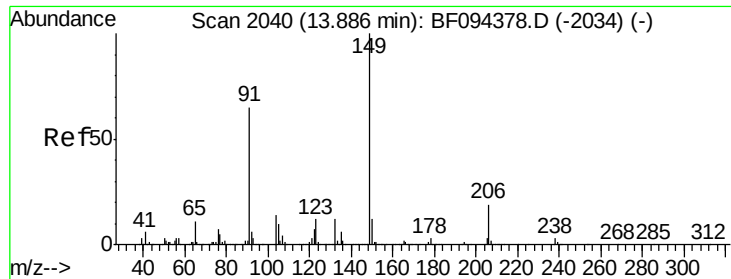
mohammad
4/14/2017 1:37:04 PM



#78
Terphenyl-d14
Concen: 83.22 ng
RT: 13.23 min Scan# 1928
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion:244 Resp: 1503409
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 14.2 10.3 15.5





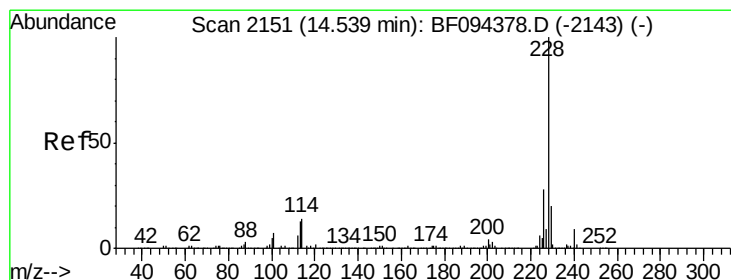
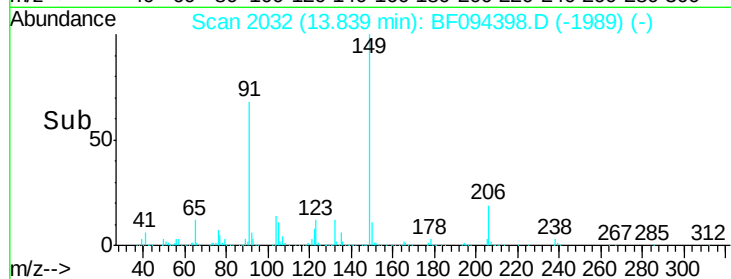
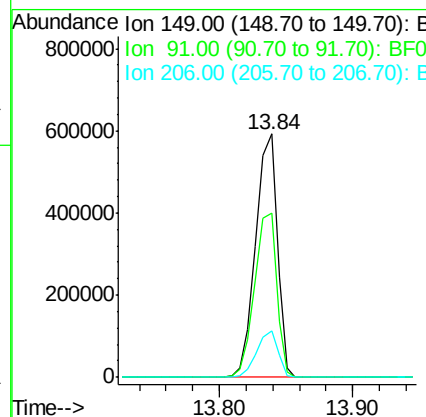
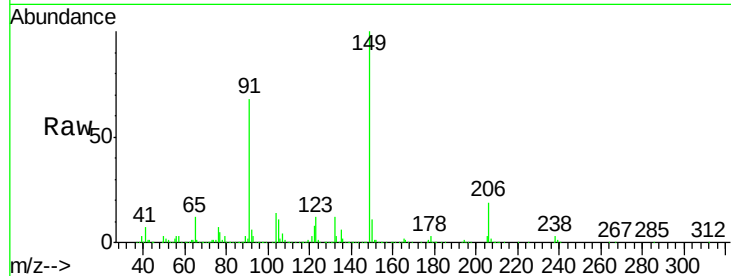
#79
Butylbenzylphthalate
Concen: 52.55 ng
RT: 13.84 min Scan# 2032
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	67.7	45.0	67.4#
206	19.1	17.0	25.6

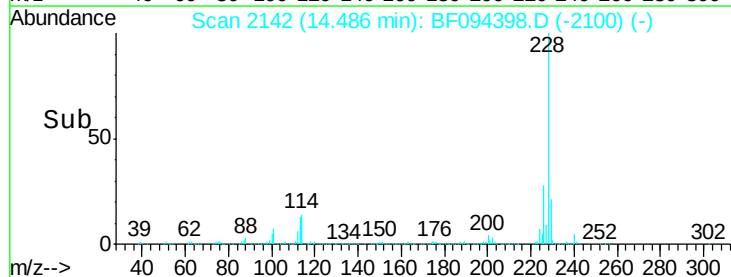
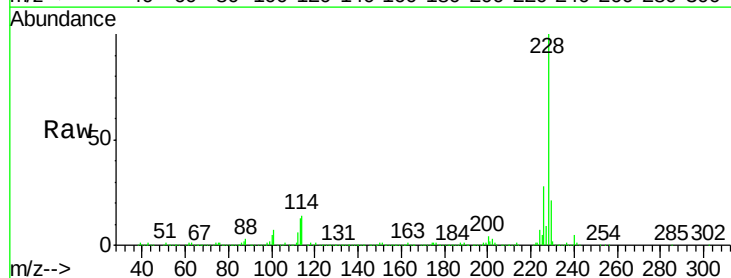
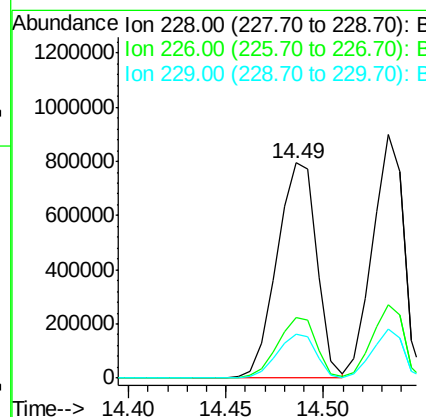
Manual Integrations
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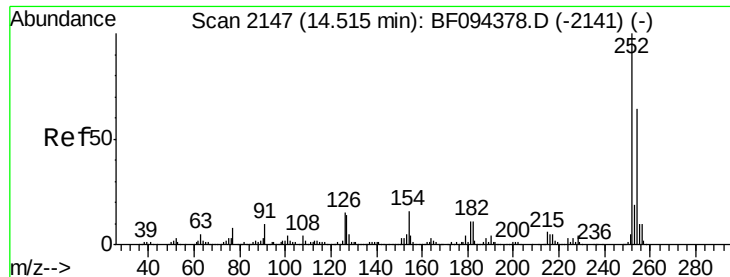
mohammad
4/14/2017 1:37:04 PM



#80
Benzo(a)anthracene
Concen: 47.44 ng
RT: 14.49 min Scan# 2142
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.6	16.3	24.5





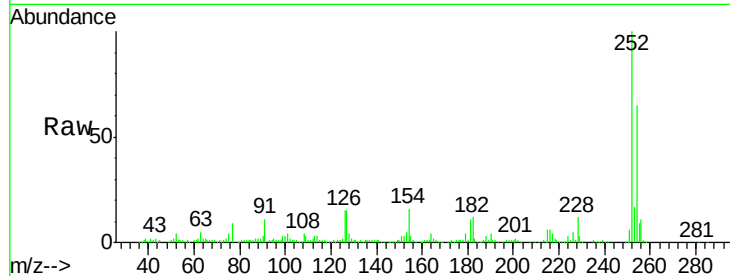
#81
 3,3'-Dichlorobenzidine
 Concen: 24.15 ng
 RT: 14.46 min Scan# 2138
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

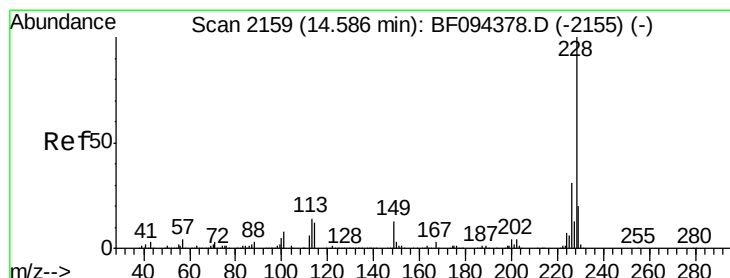
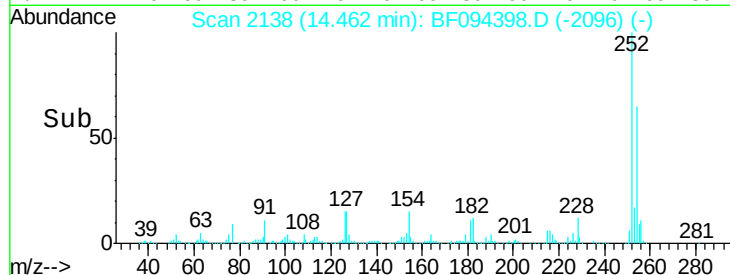
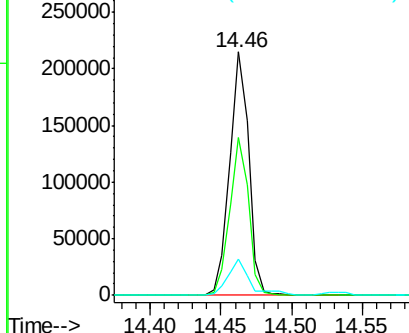
Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.0	51.5	77.3
126	15.0	15.8	23.8

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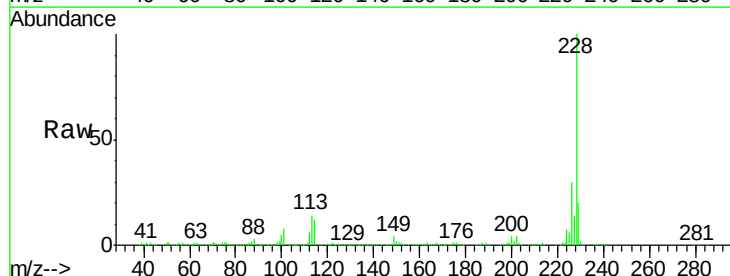


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

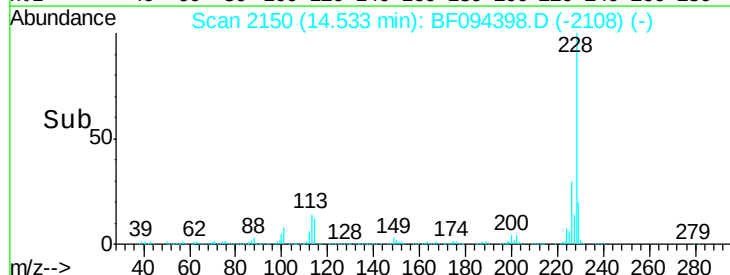
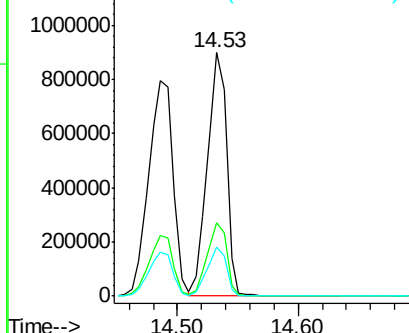


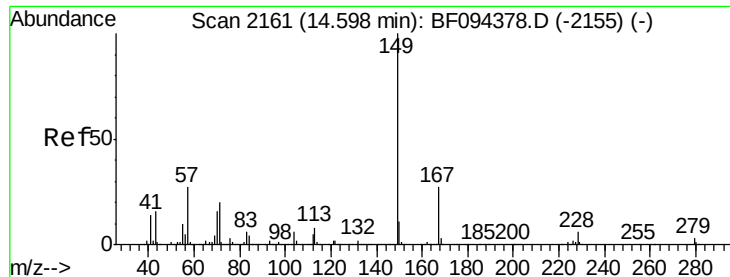
#82
 Chrysene
 Concen: 45.47 ng
 RT: 14.53 min Scan# 2150
 Delta R.T. -0.05 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.1	24.9	37.3
229	19.9	15.8	23.6



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 53.31 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Instrument :

BNA_F

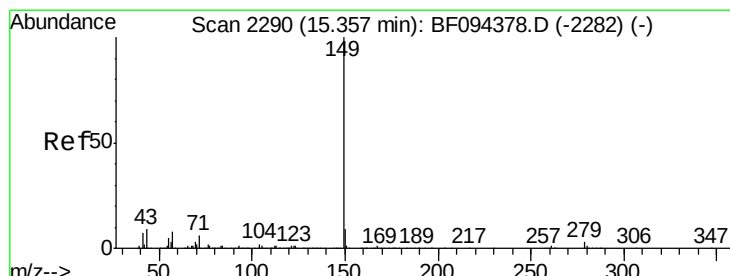
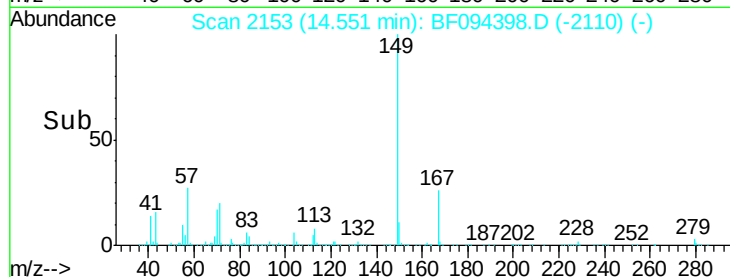
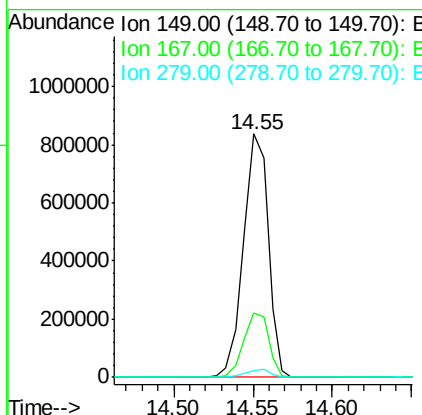
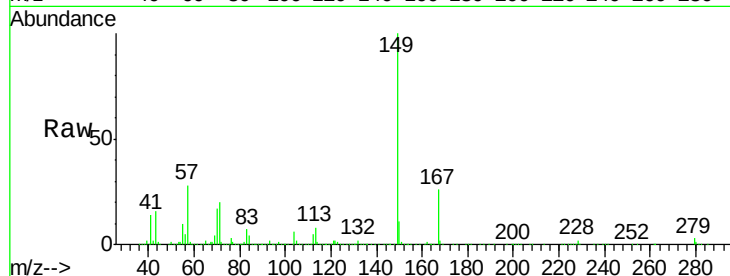
ClientSampleId :

ROLL-OFF-R4MSD

Tot Ion:	149	Resp:	910583
Ion Ratio		Lower	Upper
149	100		
167	26.3	21.0	31.4
279	2.9	1.9	2.9

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#84

Di-n-octyl phthalate

Concen: 52.68 ng

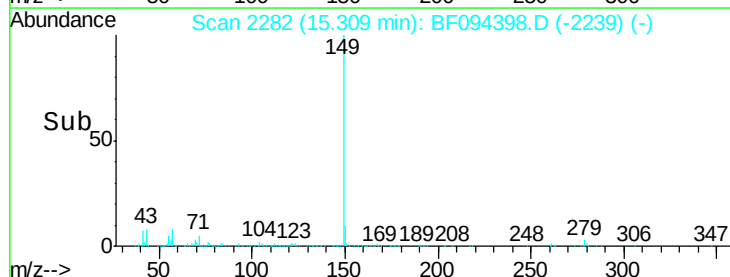
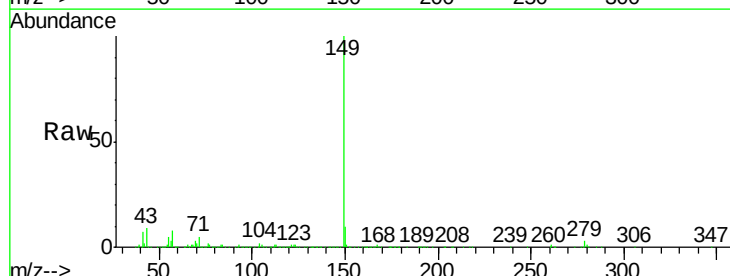
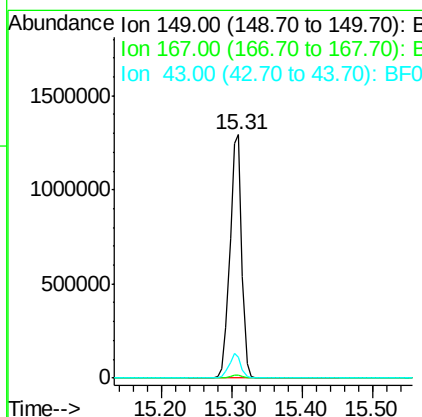
RT: 15.31 min Scan# 2282

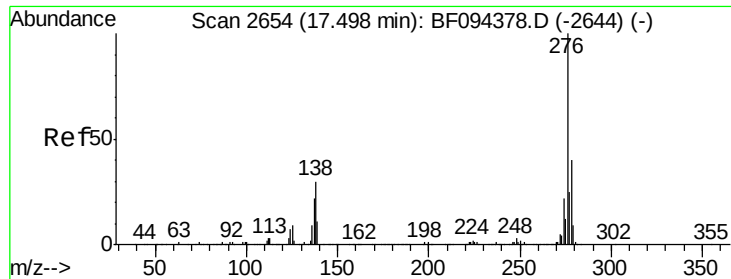
Delta R.T. -0.05 min

Lab File: BF094398.D

Acq: 13 Apr 2017 18:50

Tgt Ion:	149	Resp:	1503318
Ion Ratio		Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.5	8.5	12.7





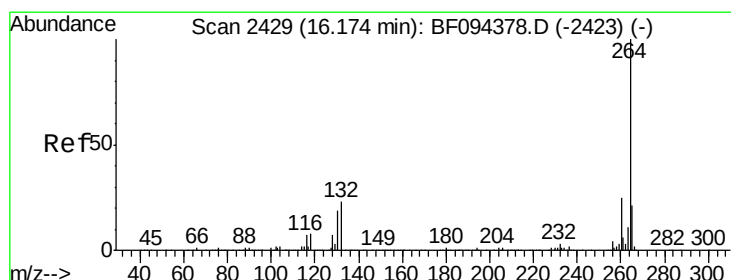
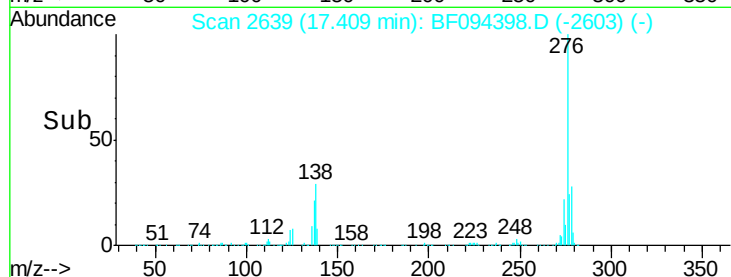
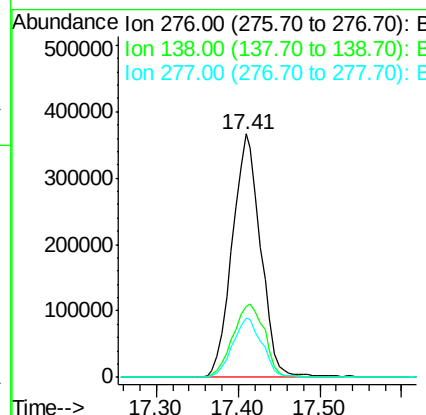
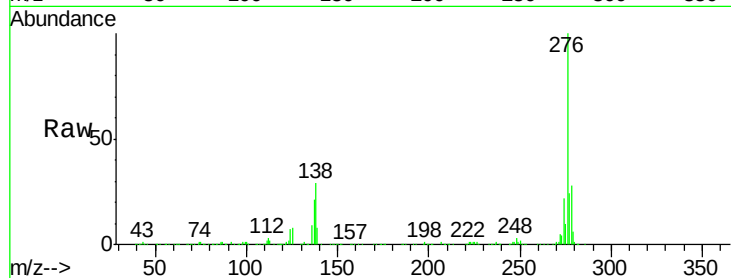
#85
Indeno(1,2,3-cd)pyrene
Concen: 46.81 ng
RT: 17.41 min Scan# 2639
Delta R.T. -0.09 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	27.8	41.6
277	25.4	20.2	30.4

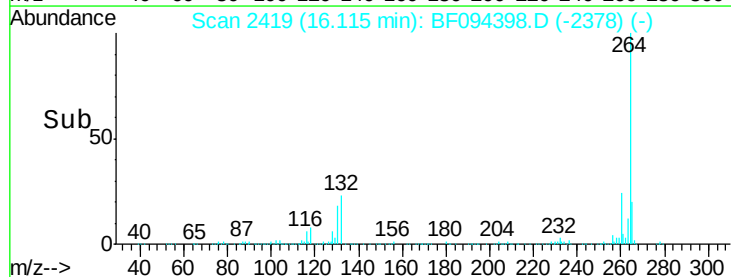
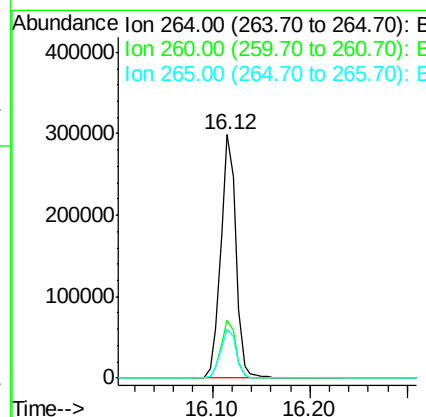
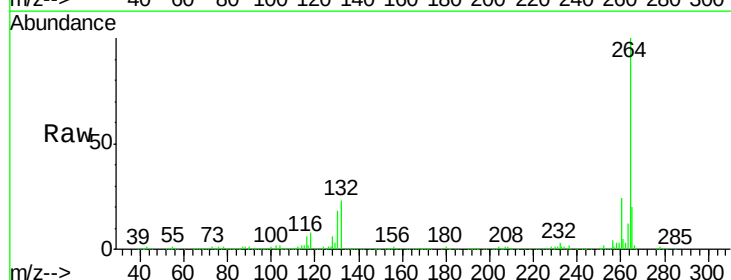
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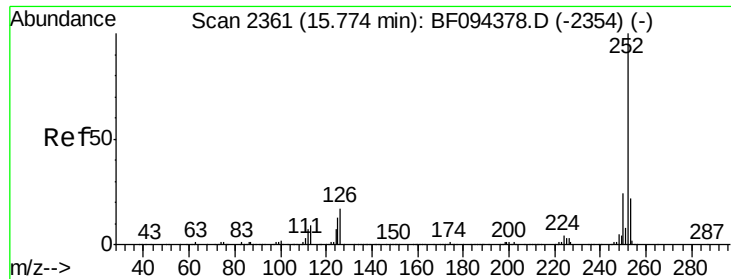
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.06 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	20.4	17.2	25.8





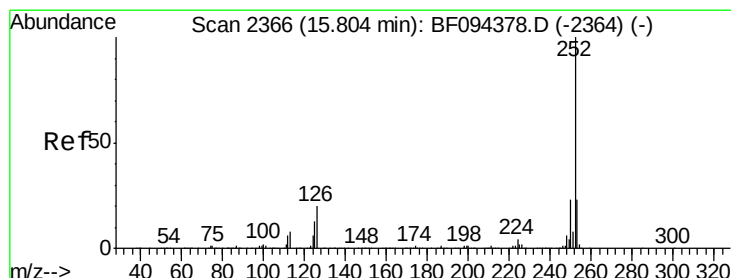
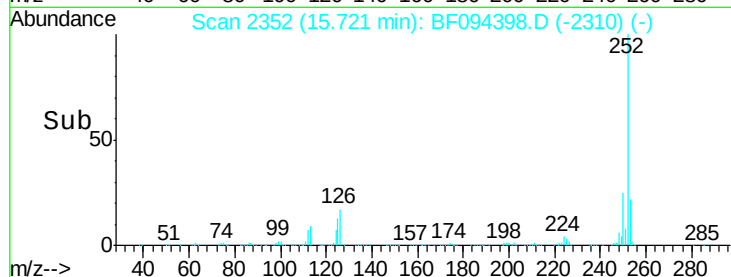
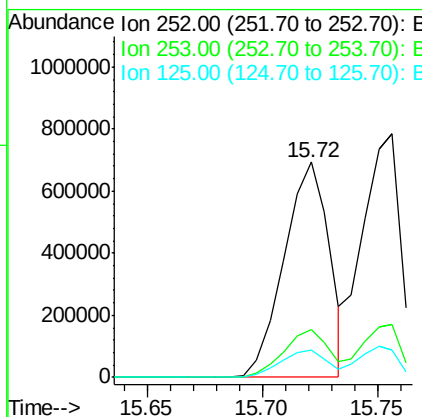
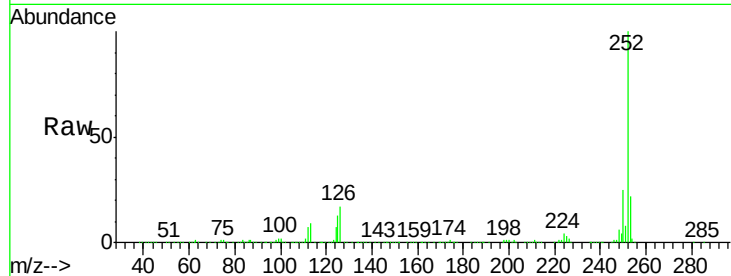
#87
Benzo(b)fluoranthene
Concen: 47.42 ng
RT: 15.72 min Scan# 2352
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	12.8	9.8	14.8

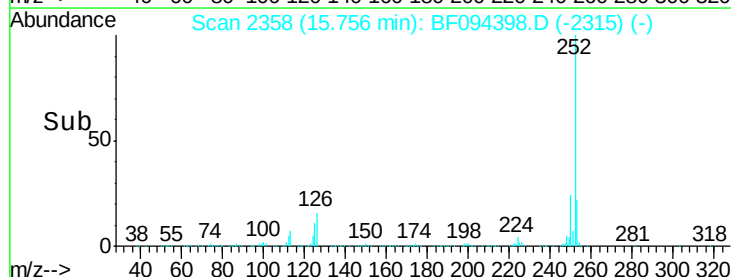
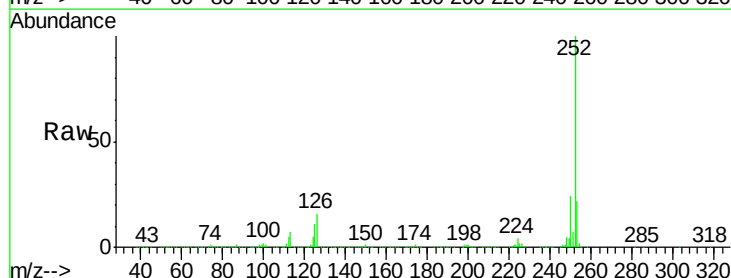
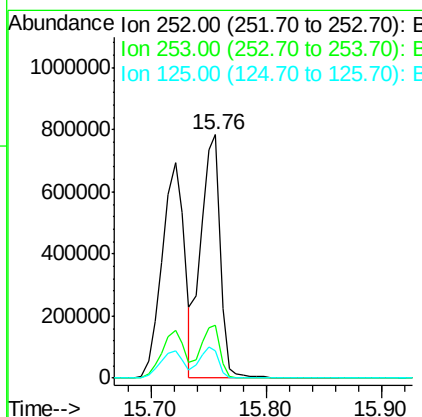
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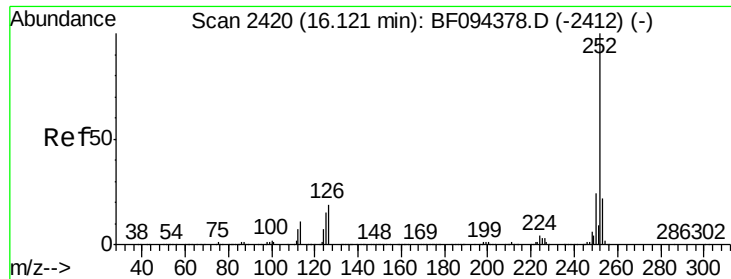
mohammad
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#88
Benzo(k)fluoranthene
Concen: 47.26 ng
RT: 15.76 min Scan# 2358
Delta R.T. -0.05 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	11.2	13.1	19.7#





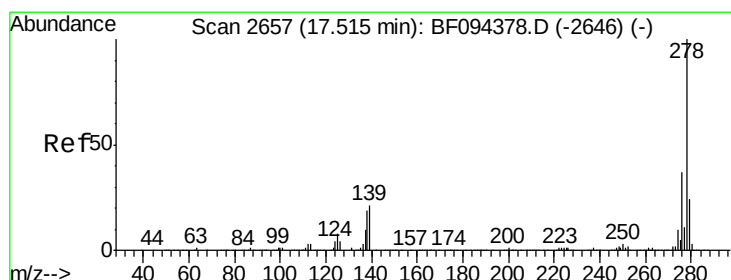
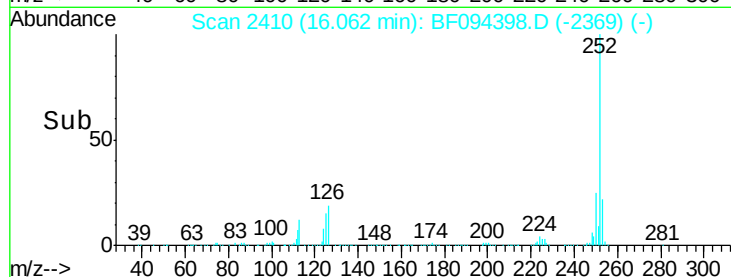
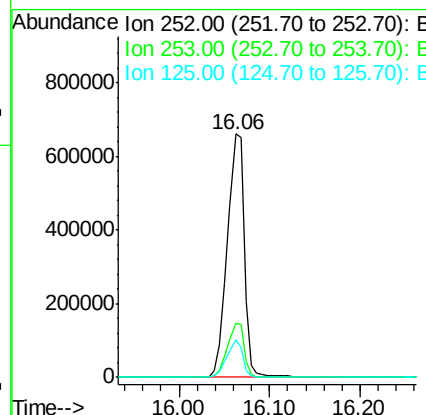
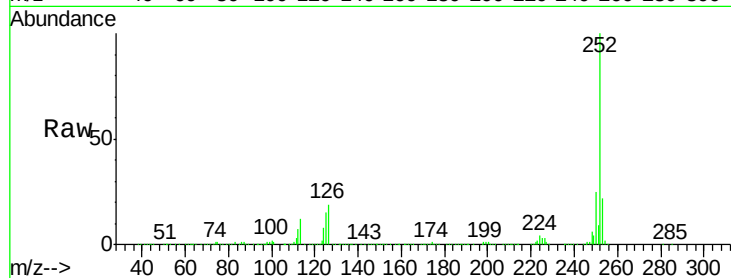
#89
Benzo(a)pyrene
Concen: 46.97 ng
RT: 16.06 min Scan# 2410
Delta R.T. -0.06 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	15.2	11.0	16.4

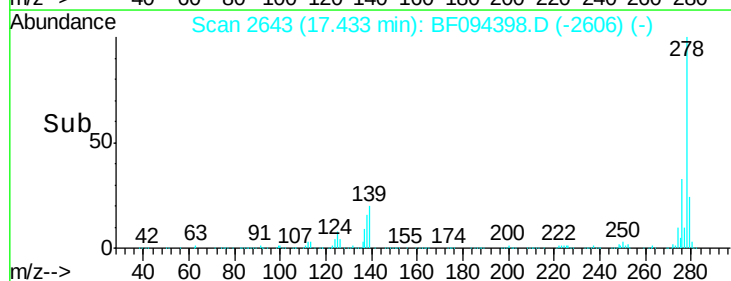
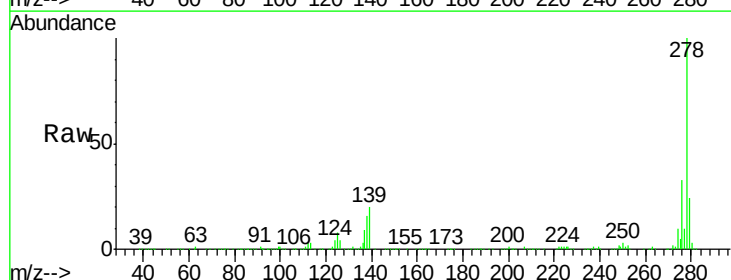
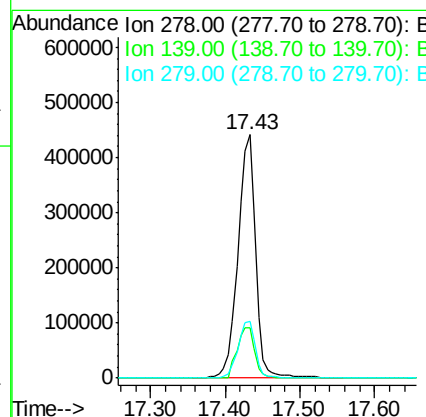
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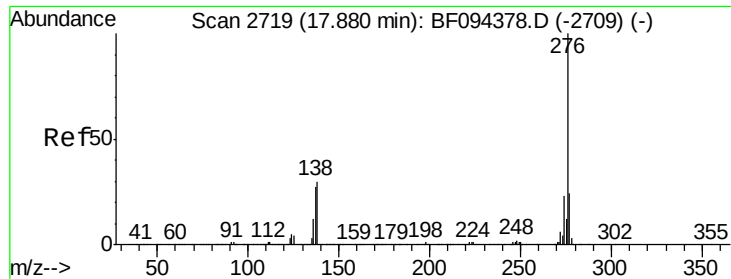
mohammad
4/14/2017 1:37:04 PM



#90
Dibenzo(a,h)anthracene
Concen: 47.54 ng
RT: 17.43 min Scan# 2643
Delta R.T. -0.08 min
Lab File: BF094398.D
Acq: 13 Apr 2017 18:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.6	24.8
279	23.5	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 47.13 ng
 RT: 17.79 min Scan# 2704
 Delta R.T. -0.09 min
 Lab File: BF094398.D
 Acq: 13 Apr 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R4MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	29.5	25.4	38.0

Manual Integrations
 APPROVED

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