

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
 Data File : BF094193.D
 Acq On : 5 Apr 2017 17:01
 Operator : SJ/MA
 Sample : I2523-15MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Manual Integrations
 APPROVED

mohammad
 4/6/2017 3:38:33 PM

Quant Time: Apr 06 01:46:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.86	152	166501	20.00	ng	-0.04
21) Naphthalene-d8	7.37	136	680954	20.00	ng	-0.04
38) Acenaphthene-d10	9.51	164	306717	20.00	ng	-0.04
63) Phenanthrene-d10	11.33	188	539597	20.00	ng	-0.04
75) Chrysene-d12	14.59	240	416323	20.00	ng	-0.04
86) Perylene-d12	16.20	264	298044	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	4.40	112	1307997	132.69	ng	-0.03
7) Phenol-d6	5.48	99	1667335	136.72	ng	-0.03
23) Nitrobenzene-d5	6.52	82	1055725	88.48	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	355309	146.60	ng	-0.04
44) 2-Fluorobiphenyl	8.69	172	1864285	92.71	ng	-0.04
78) Terphenyl-d14	13.31	244	1556590	83.81	ng	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.23	88	176683	37.31	ng	97
3) Pyridine	2.73	79	300376	23.27	ng	98
4) n-Nitrosodimethylamine	2.69	42	250616	47.19	ng	93
6) Aniline	5.49	93	566072	33.37	ng	# 8
8) 2-Chlorophenol	5.63	128	540900	49.92	ng	97
9) Benzaldehyde	5.36	77	291867	35.44	ng	100
10) Phenol	5.49	94	653836	47.11	ng	82
11) bis(2-Chloroethyl)ether	5.57	93	506128	46.67	ng	99
12) 1,3-Dichlorobenzene	5.80	146	565045	46.49	ng	99
13) 1,4-Dichlorobenzene	5.89	146	569506	46.26	ng	98
14) 1,2-Dichlorobenzene	6.06	146	532063	46.93	ng	96
15) Benzyl Alcohol	6.04	79	445101	49.87	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.20	45	706787	42.29	ng	96
17) 2-Methylphenol	6.18	107	454830	49.01	ng	97
18) Hexachloroethane	6.46	117	204179	47.19	ng	# 86
19) n-Nitroso-di-n-propylamine	6.36	70	371345	47.38	ng	97
20) 3+4-Methylphenols	6.36	107	567822	50.52	ng	# 62
22) Acetophenone	6.34	105	763012	50.28	ng	# 87
24) Nitrobenzene	6.54	77	558049	47.42	ng	95
25) Isophorone	6.83	82	1012909	48.31	ng	95
26) 2-Nitrophenol	6.92	139	310946	55.41	ng	97
27) 2,4-Dimethylphenol	6.99	122	483852	50.04	ng	99
28) bis(2-Chloroethoxy)methane	7.09	93	661257	47.83	ng	99
29) 2,4-Dichlorophenol	7.21	162	471900	52.19	ng	96
30) 1,2,4-Trichlorobenzene	7.30	180	452585	48.60	ng	98
31) Naphthalene	7.40	128	1531490	46.77	ng	99
32) Benzoic acid	7.07	122	16197	2.52	ng	91
33) 4-Chloroaniline	7.46	127	553843	41.73	ng	94
34) Hexachlorobutadiene	7.55	225	226738	47.48	ng	99
35) Caprolactam	7.91	113	139689m	48.45	ng	
36) 4-Chloro-3-methylphenol	8.08	107	501594	53.09	ng	89
37) 2-Methylnaphthalene	8.24	142	1059282	48.53	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.45	216	386560	46.07	ng	99
40) Hexachlorocyclopentadiene	8.43	237	378809	96.48	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.59	196	311788	52.52	nq	94
43) 2,4,5-Trichlorophenol	8.65	196	320027	49.82	nq	92
45) 1,1'-Biphenyl	8.82	154	1183389	47.83	nq	97
46) 2-Chloronaphthalene	8.83	162	951635	49.14	nq	94
47) 2-Nitroaniline	8.96	65	301301	52.45	nq	# 80
48) Acenaphthylene	9.34	152	1492927	46.39	nq	99
49) Dimethylphthalate	9.20	163	1247818	57.23	nq	99
50) 2,6-Dinitrotoluene	9.27	165	258377	51.70	nq	90
51) Acenaphthene	9.55	154	883901	47.07	nq	99
52) 3-Nitroaniline	9.47	138	258713	44.08	nq	93
53) 2,4-Dinitrophenol	9.60	184	78619	32.34	nq	# 75
54) Dibenzofuran	9.76	168	1269508	49.66	nq	99
55) 4-Nitrophenol	9.72	139	426934	92.89	nq	# 70
56) 2,4-Dinitrotoluene	9.76	165	303197	48.29	nq	# 66
57) Fluorene	10.19	166	959673	45.27	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.92	232	229368	52.04	nq	97
59) Diethylphthalate	10.07	149	1077654	50.01	nq	99
60) 4-Chlorophenyl-phenylether	10.19	204	413350	45.77	nq	93
61) 4-Nitroaniline	10.23	138	296017	52.56	nq	94
62) Azobenzene	10.39	77	1063411	52.17	nq	97
64) 4,6-Dinitro-2-methylphenol	10.27	198	97847	29.61	nq	# 65
65) n-Nitrosodiphenylamine	10.35	169	913913	48.98	nq	98
66) 4-Bromophenyl-phenylether	10.79	248	263080	49.57	nq	98
67) Hexachlorobenzene	10.86	284	272040	50.64	nq	# 87
68) Atrazine	11.02	200	276824	49.53	nq	96
69) Pentachlorophenol	11.11	266	212292	63.49	nq	97
70) Phenanthrene	11.36	178	1430236	47.65	nq	99
71) Anthracene	11.43	178	1481499	47.94	nq	99
72) Carbazole	11.63	167	1412820	44.58	nq	98
73) Di-n-butylphthalate	12.08	149	1653229	50.16	nq	99
74) Fluoranthene	12.83	202	1469268	47.80	nq	99
76) Benzidine	12.99	184	187921	11.40	nq	95
77) Pyrene	13.10	202	1504655	49.80	nq	99
79) Butylbenzylphthalate	13.92	149	706250	54.86	nq	# 82
80) Benzo(a)anthracene	14.57	228	1207316	49.73	nq	99
81) 3,3'-Dichlorobenzidine	14.54	252	356213	41.05	nq	# 98
82) Chrysene	14.62	228	1061295	47.11	nq	99
83) Bis(2-ethylhexyl)phthalate	14.63	149	941281	53.59	nq	# 100
84) Di-n-octyl phthalate	15.39	149	1465987	49.96	nq	98
85) Indeno(1,2,3-cd)pyrene	17.54	276	865188	44.34	nq	100
87) Benzo(b)fluoranthene	15.80	252	926497	50.71	nq	98
88) Benzo(k)fluoranthene	15.83	252	899480	50.32	nq	97
89) Benzo(a)pyrene	16.15	252	843426	50.13	nq	99
90) Dibenzo(a,h)anthracene	17.56	278	705583	49.52	nq	99
91) Benzo(g,h,i)perylene	17.93	276	730919	50.90	nq	97

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

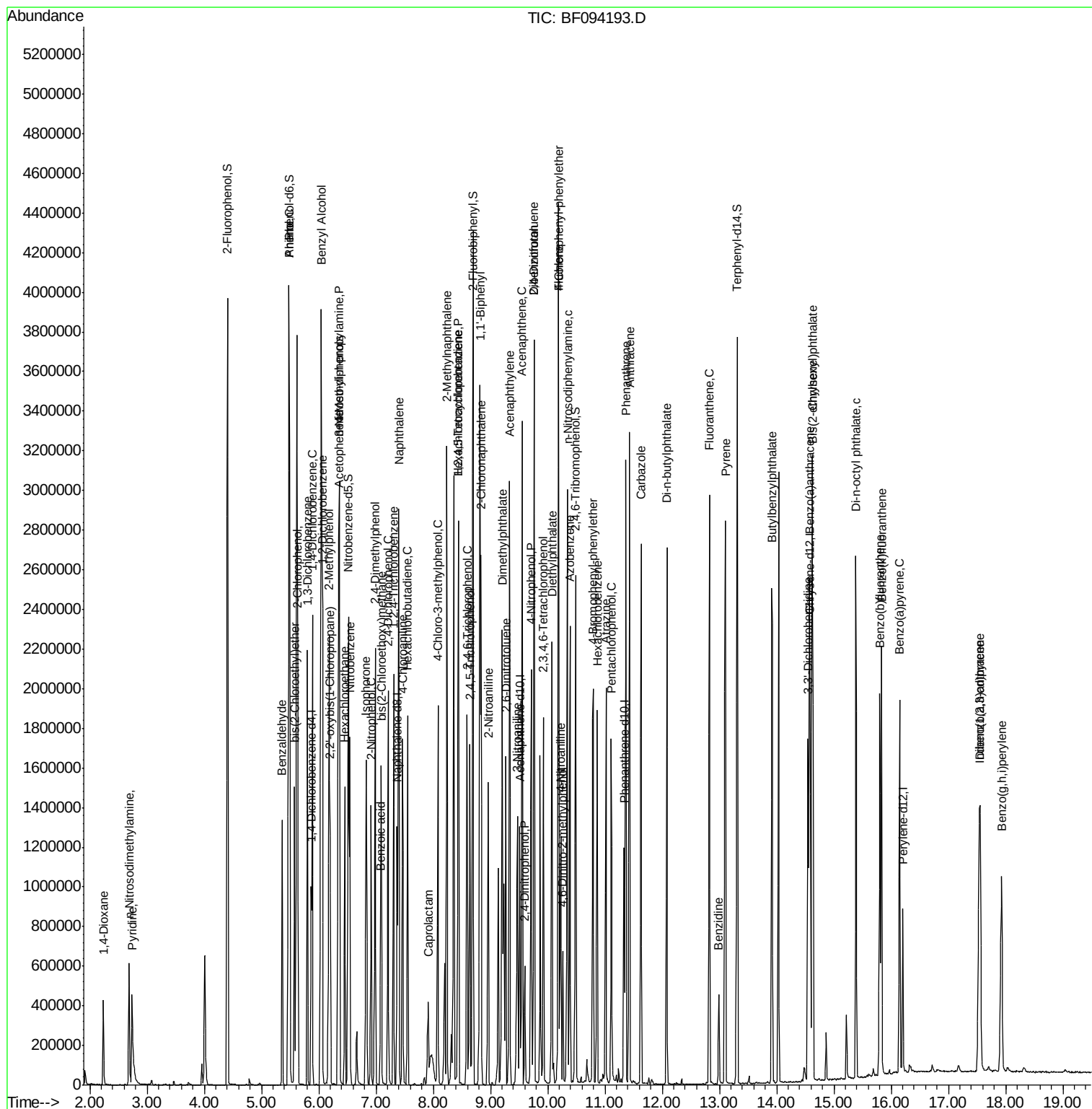
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
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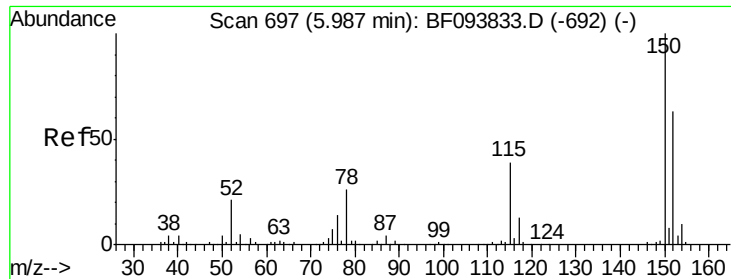
Instrument :
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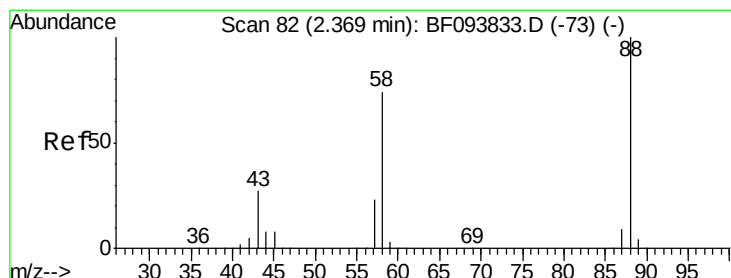
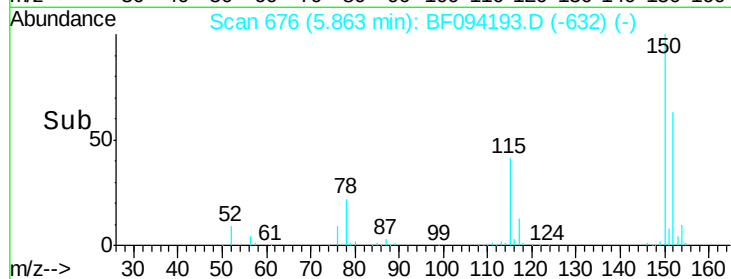
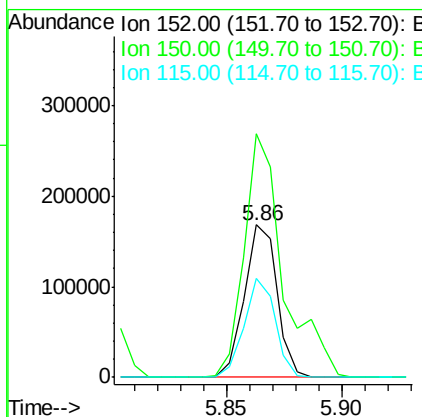
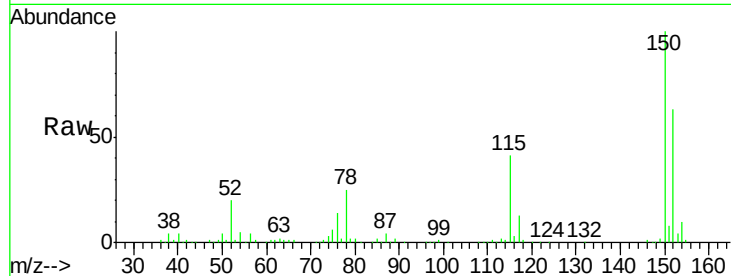
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.86 min Scan# 676
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	65.3	52.2	78.2

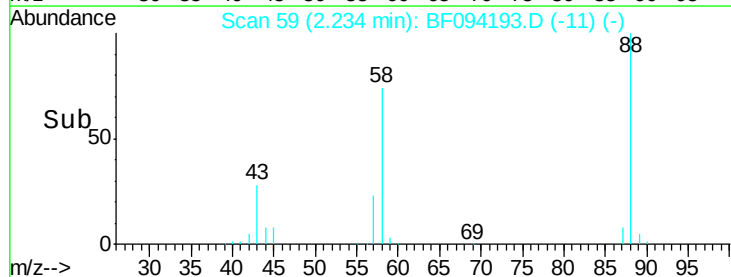
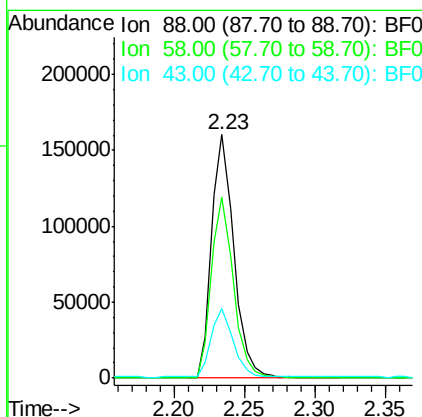
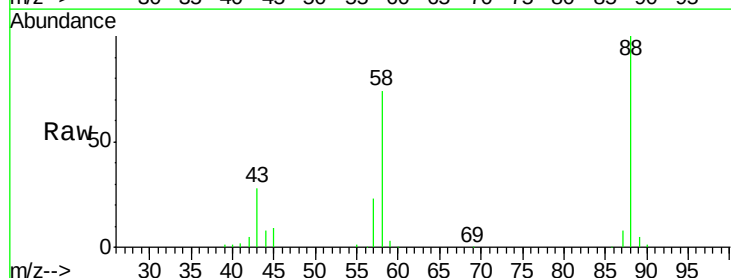
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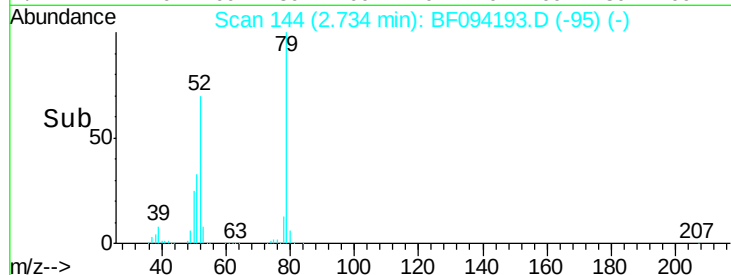
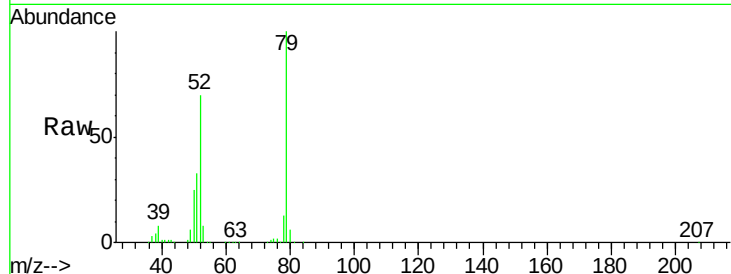
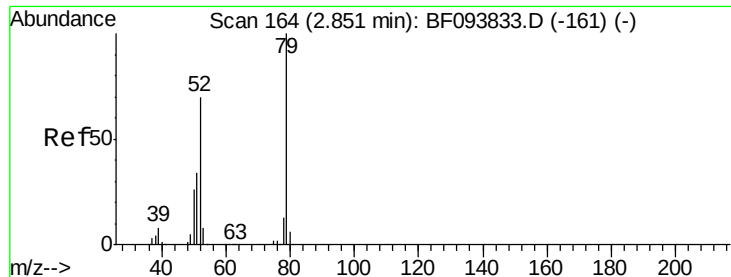
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#2
 1,4-Dioxane
 Concen: 37.31 ng
 RT: 2.23 min Scan# 59
 Delta R.T. -0.02 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.7	61.4	92.0
43	27.9	23.4	35.0





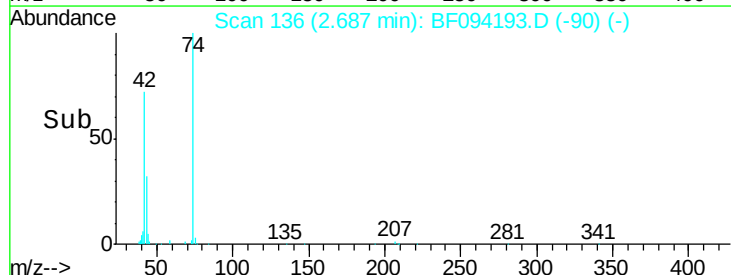
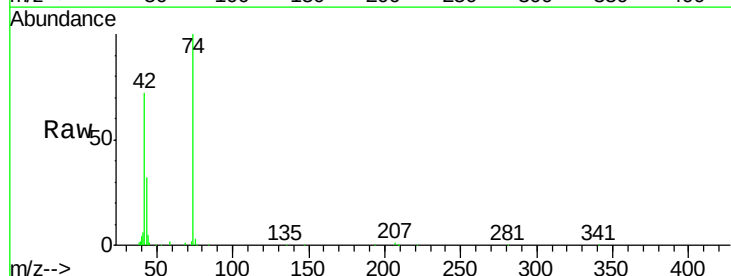
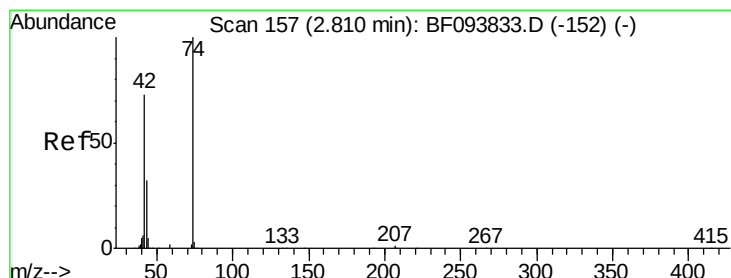
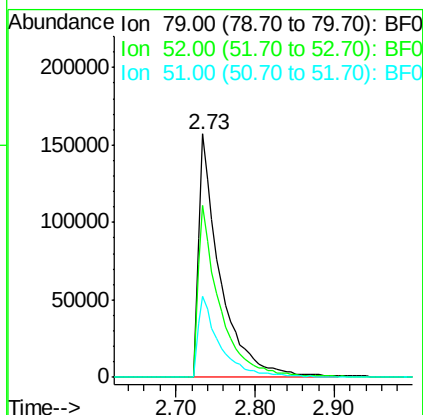
#3
 Pvridine
 Concen: 23.27 ng
 RT: 2.73 min Scan# 144
 Delta R.T. -0.01 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tot Ion	Ratio	Lower	Upper
79	100		
52	70.4	54.8	82.2
51	33.2	27.0	40.4

Instrument :
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 ClientSampleId :
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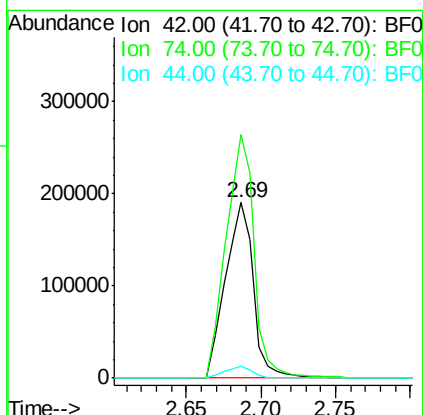
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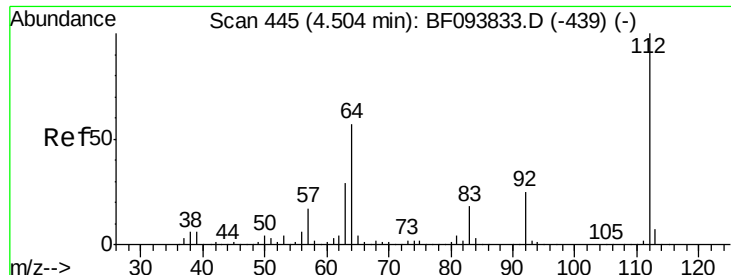
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#4
 n-Nitrosodimethylamine
 Concen: 47.19 ng
 RT: 2.69 min Scan# 136
 Delta R.T. -0.03 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.7	103.9	155.9
44	6.5	5.7	8.5





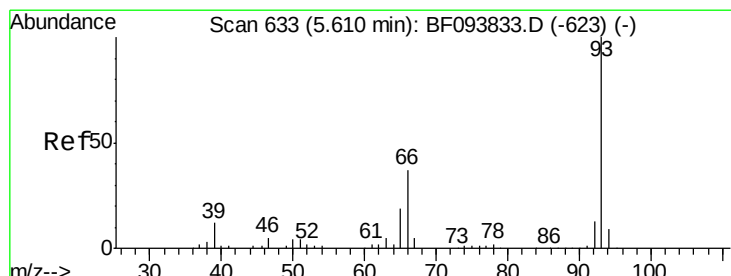
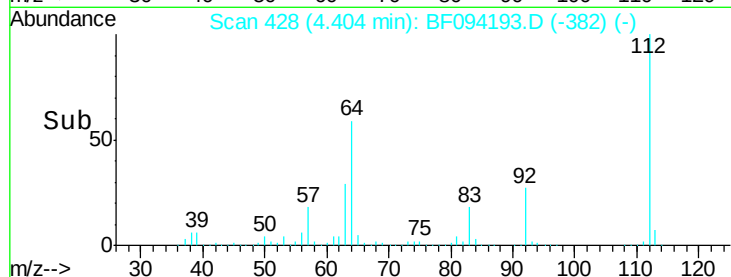
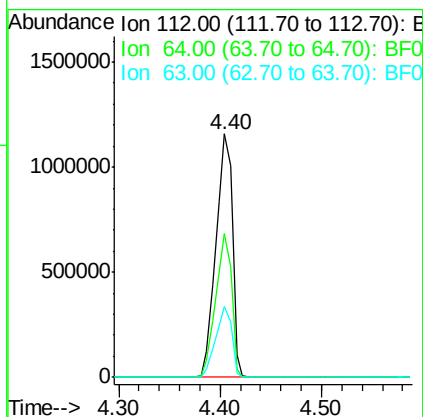
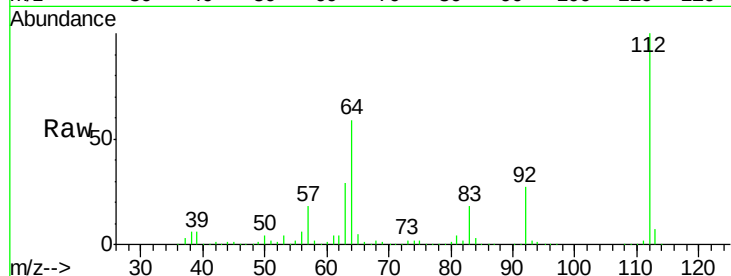
#5
 2-Fluorophenol
 Concen: 132.69 ng
 RT: 4.40 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.0	69.0
63	29.3	23.4	35.0

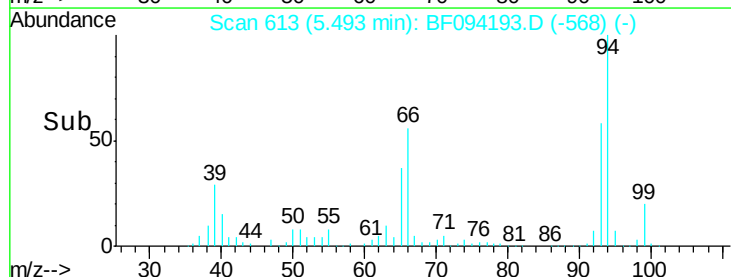
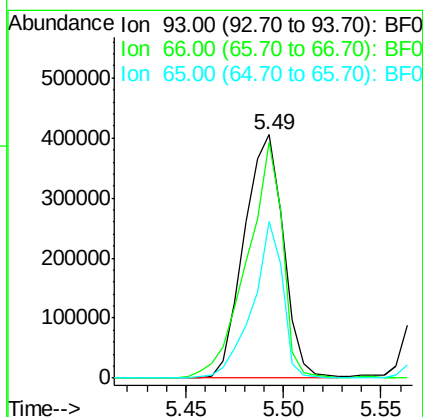
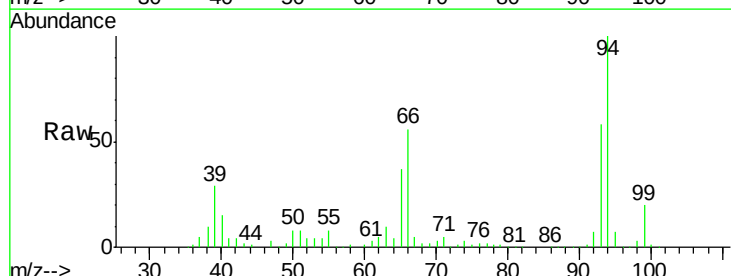
Manual Integrations
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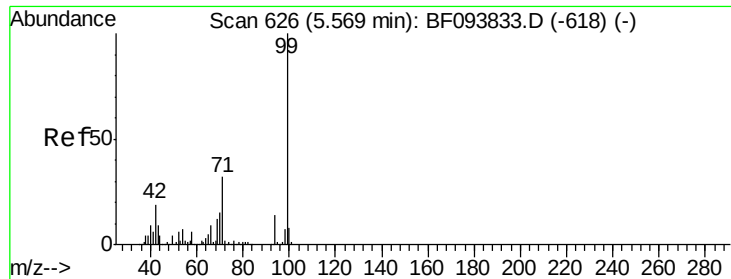
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#6
 Aniline
 Concen: 33.37 ng
 RT: 5.49 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
93	100		
66	97.0	32.9	49.3#
65	64.3	16.0	24.0#





#7

Phenol-d6

Concen: 136.72 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion: 99 Resp: 1667335

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

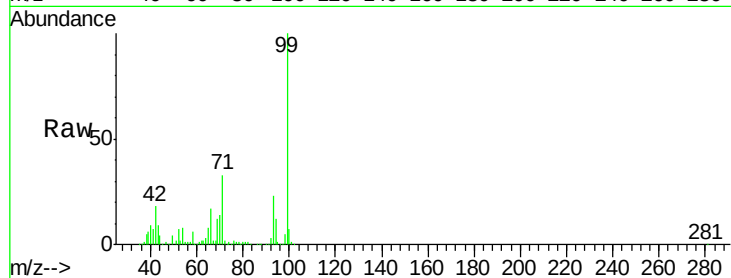
71 33.3 24.5 36.7

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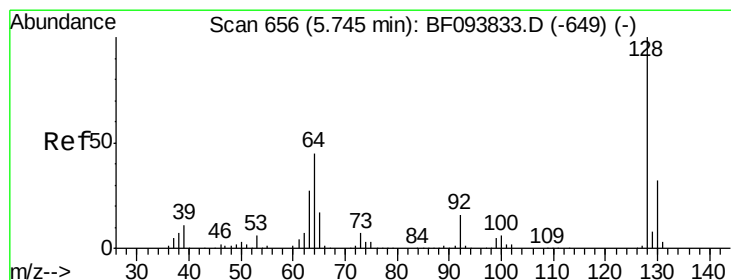
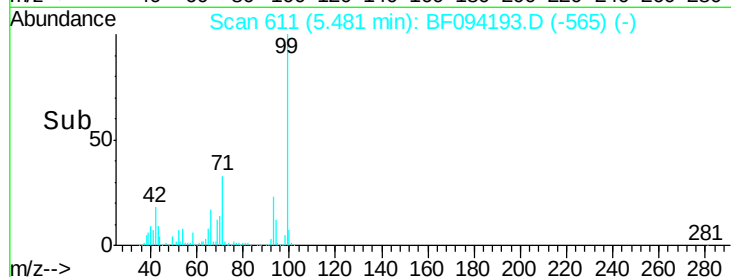
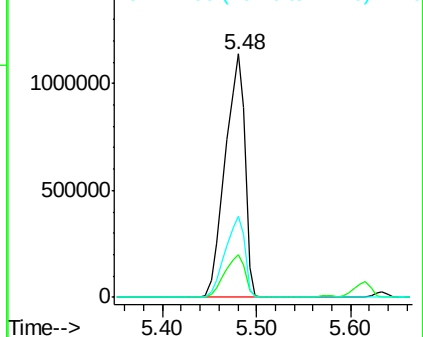
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 49.92 ng

RT: 5.63 min Scan# 637

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

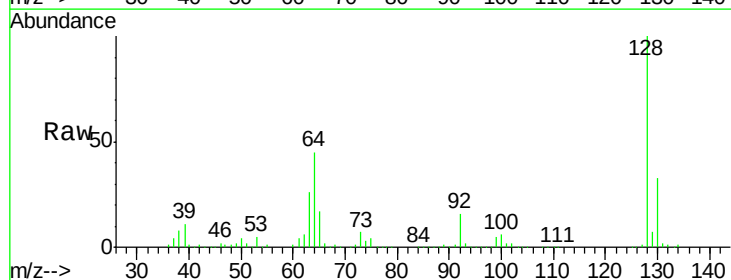
Tgt Ion: 128 Resp: 540900

Ion Ratio Lower Upper

128 100

130 33.1 12.9 52.9

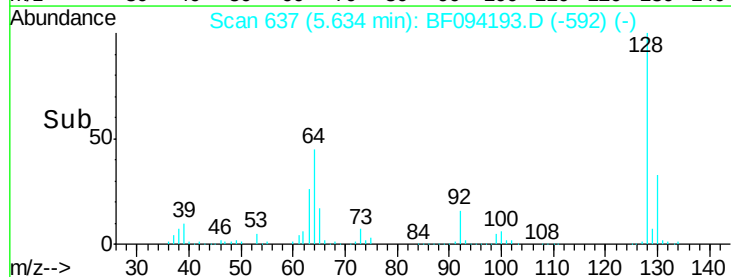
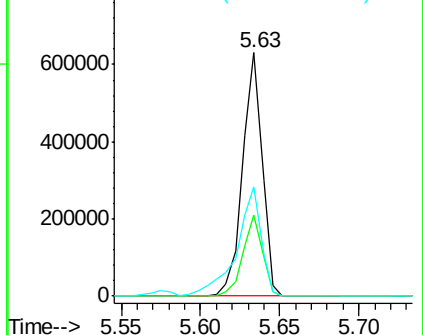
64 44.8 28.4 68.4

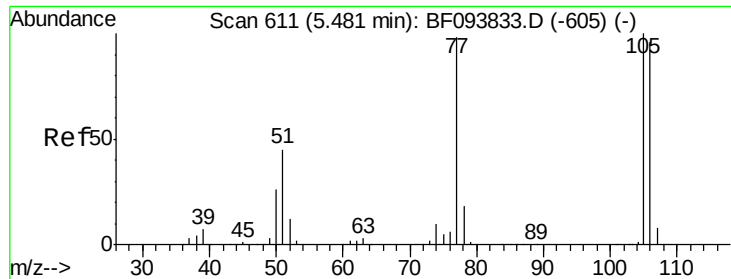


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 35.44 ng

RT: 5.36 min Scan# 590

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

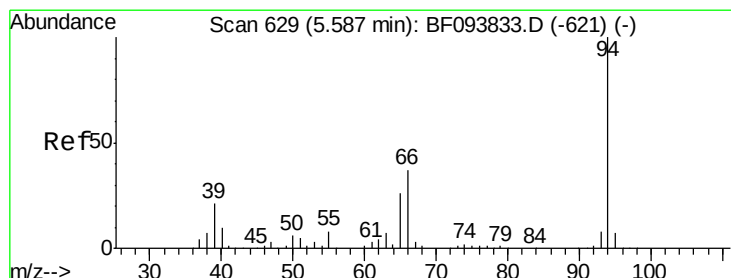
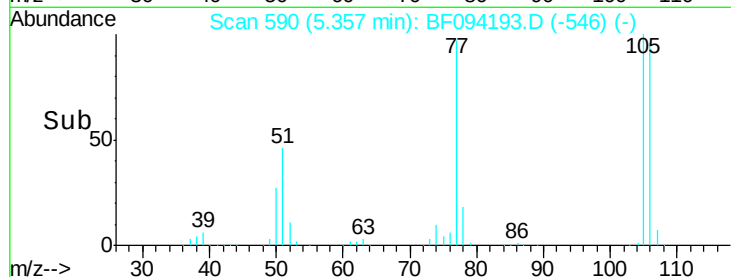
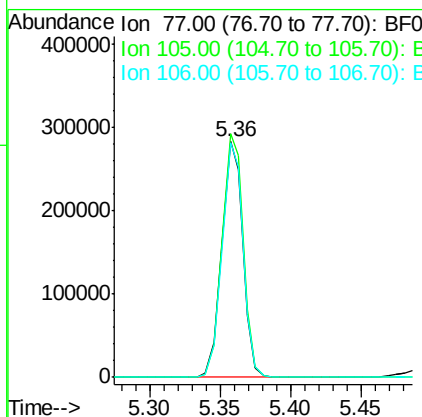
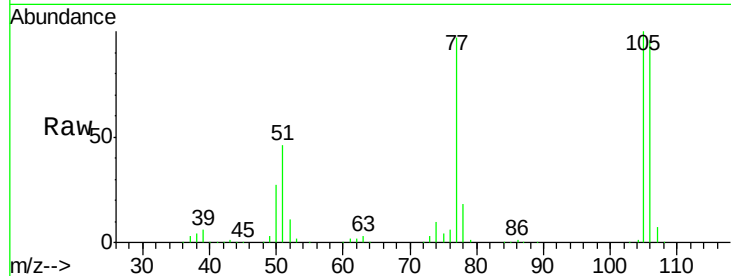
ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion:	77	Resp:	291867
Ion Ratio	Lower	Upper	
77	100		
105	103.4	83.8	123.8
106	99.7	79.1	119.1

Manual Integrations
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#10

Phenol

Concen: 47.11 ng

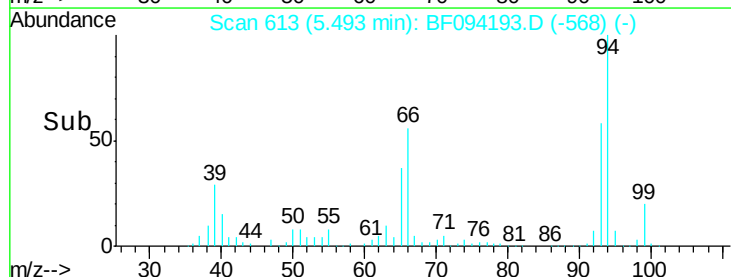
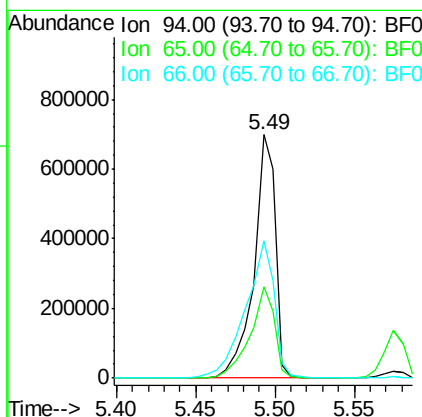
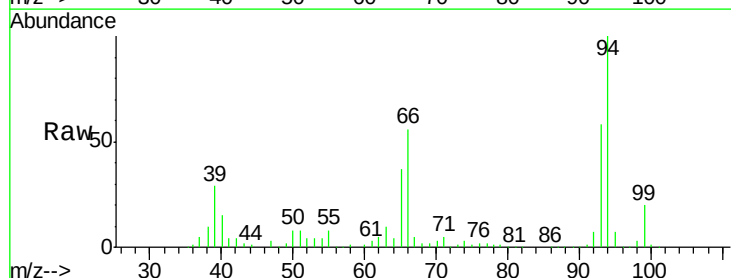
RT: 5.49 min Scan# 613

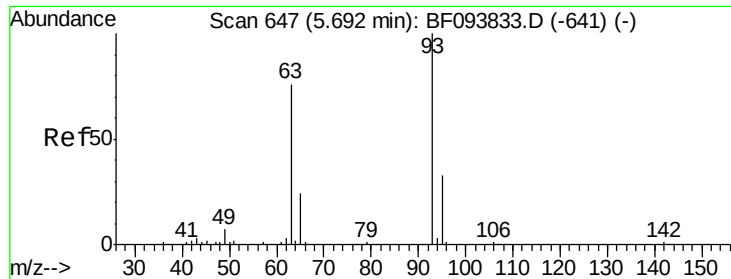
Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Tgt Ion:	94	Resp:	653836
Ion Ratio	Lower	Upper	
94	100		
65	37.3	9.9	49.9
66	56.3	23.1	63.1





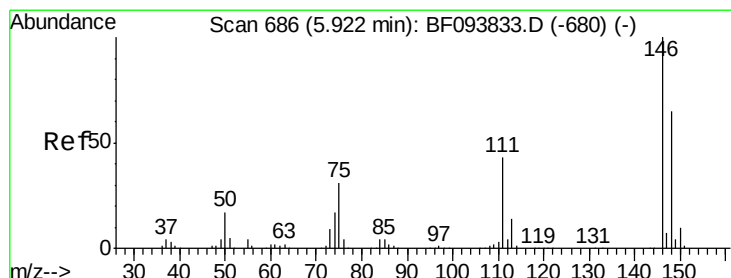
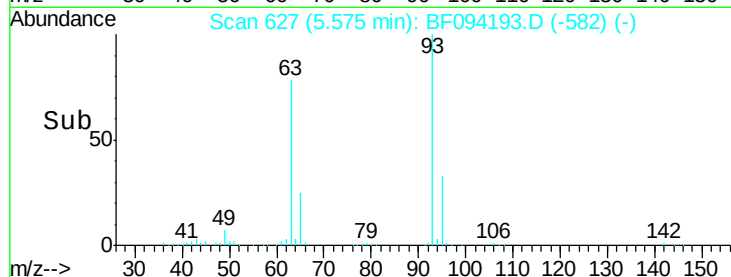
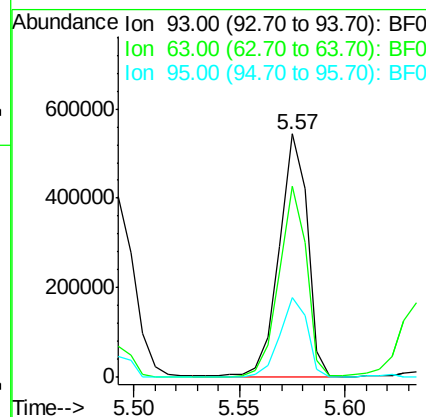
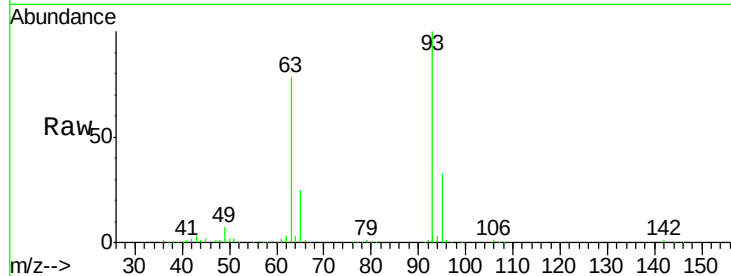
#11
bis(2-Chloroethyl)ether
Concen: 46.67 ng
RT: 5.57 min Scan# 627
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	93	Resp	506128
Ion Ratio	Lower	Upper	
93	100		
63	78.5	59.2	99.2
95	32.7	12.8	52.8

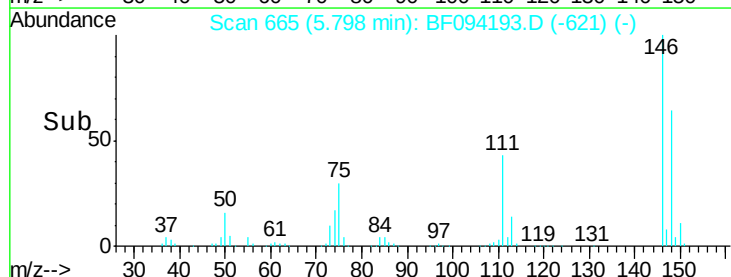
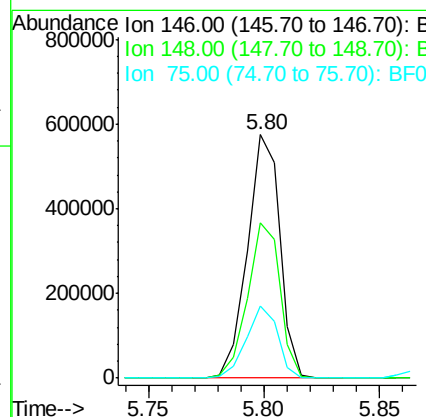
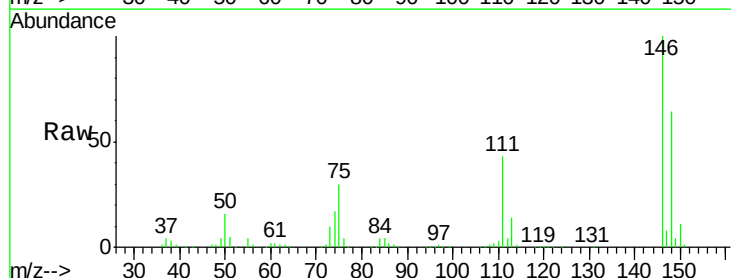
Manual Integrations
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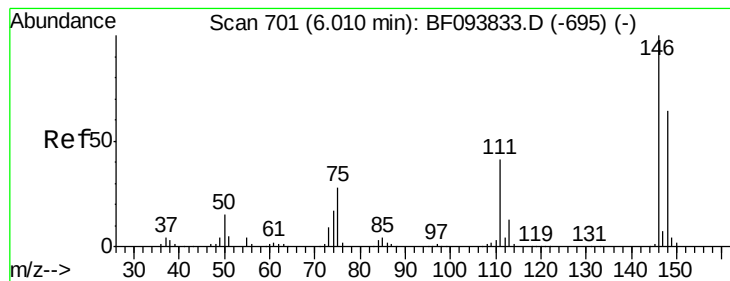
mohammad
4/6/2017 3:38:33 PM



#12
1,3-Dichlorobenzene
Concen: 46.49 ng
RT: 5.80 min Scan# 665
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	146	Resp	565045
Ion Ratio	Lower	Upper	
146	100		
148	63.7	51.8	77.6
75	29.8	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 46.26 ng

RT: 5.89 min Scan# 680

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

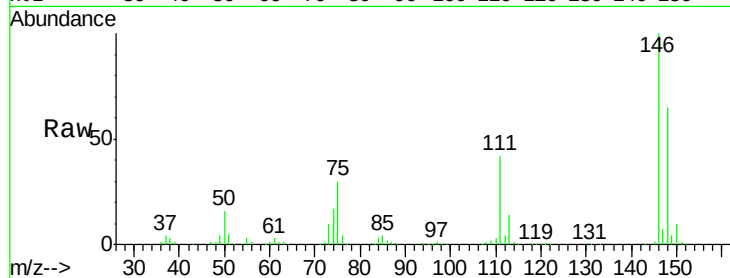
ClientSampleId :

CEMETERY-3(0-7)MSD

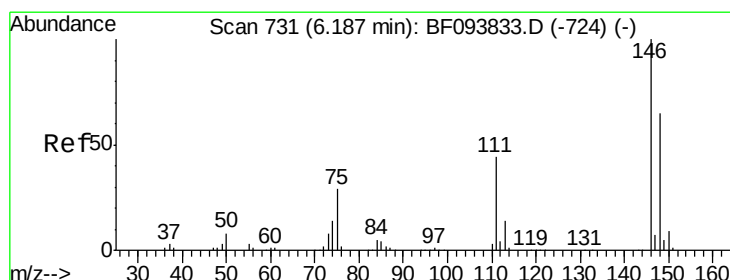
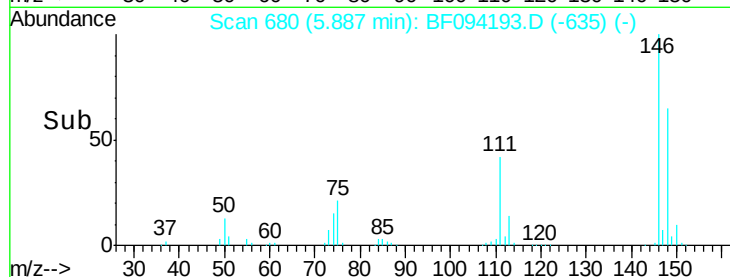
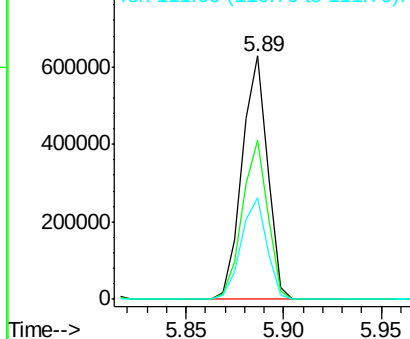
Tot Ion:	146	Resp:	569506
Ion Ratio	Lower	Upper	
146	100		
148	65.2	52.2	78.2
111	41.8	30.3	45.5

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 46.93 ng

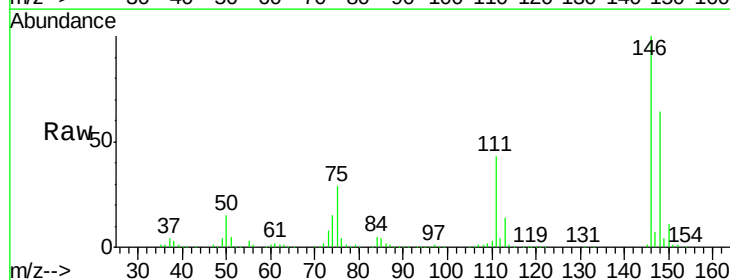
RT: 6.06 min Scan# 710

Delta R.T. -0.04 min

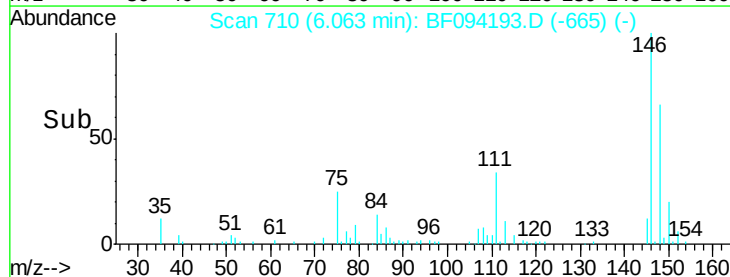
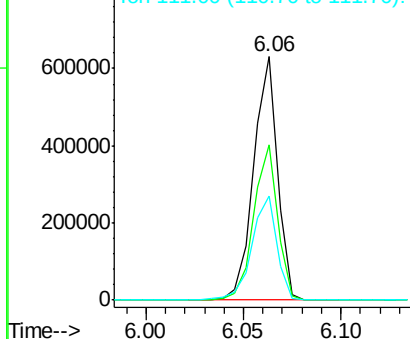
Lab File: BF094193.D

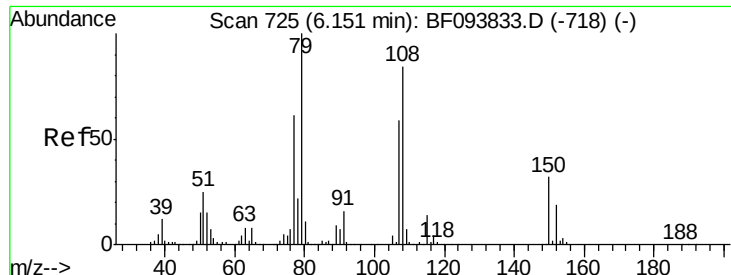
Acq: 5 Apr 2017 17:01

Tgt Ion:	146	Resp:	532063
Ion Ratio	Lower	Upper	
146	100		
148	63.9	50.4	75.6
111	42.7	38.2	57.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





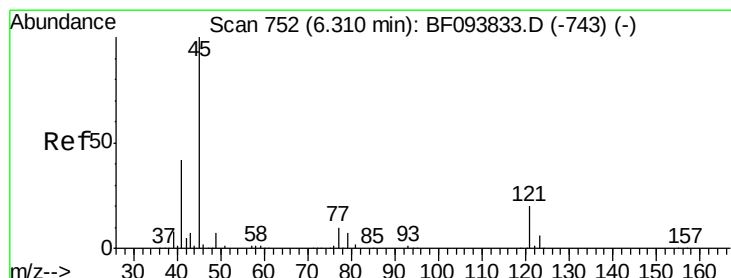
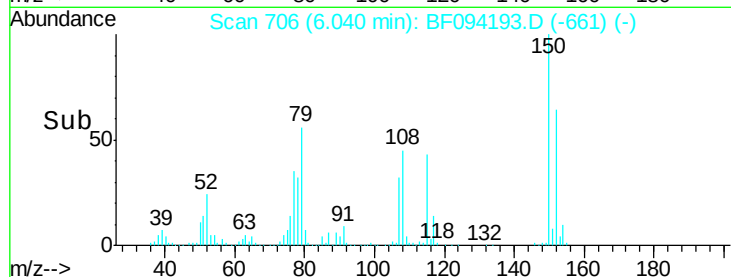
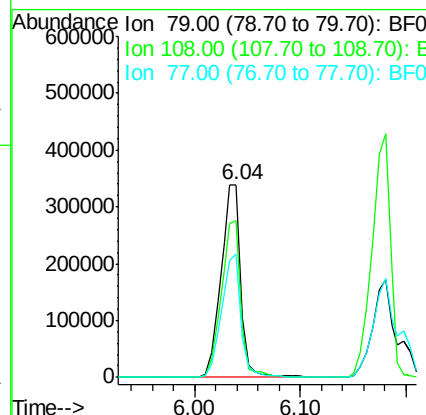
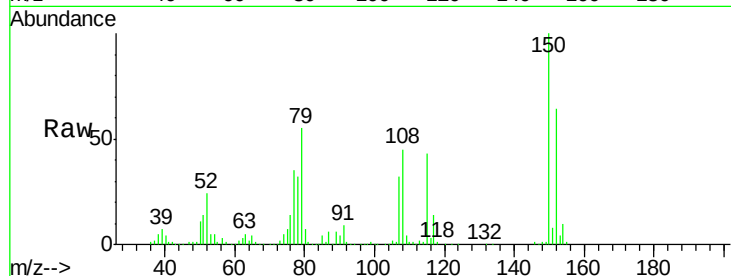
#15
Benzyl Alcohol
Concen: 49.87 ng
RT: 6.04 min Scan# 706
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
108	81.4	63.4	95.0		
77	63.8	49.2	73.8		

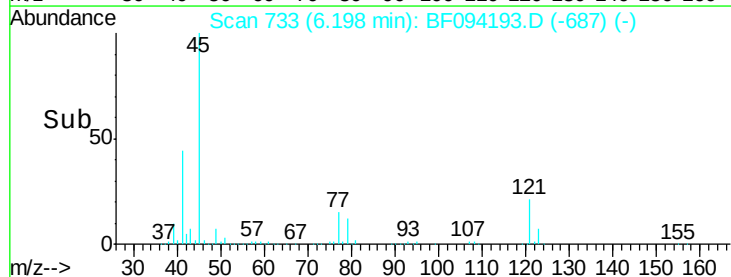
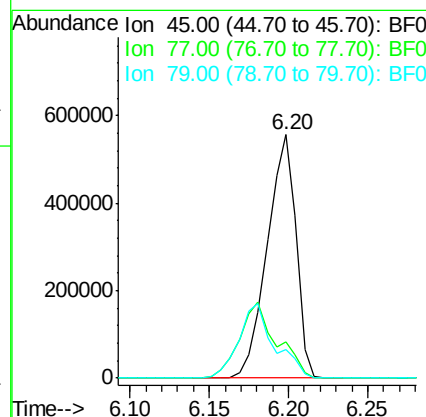
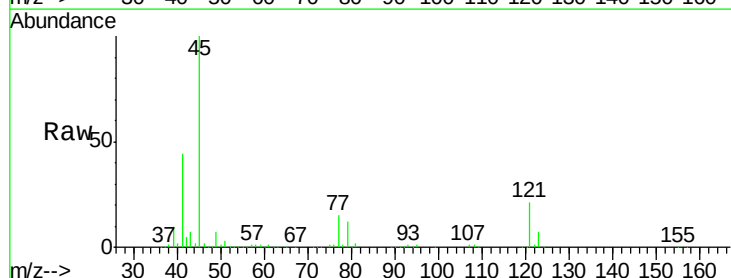
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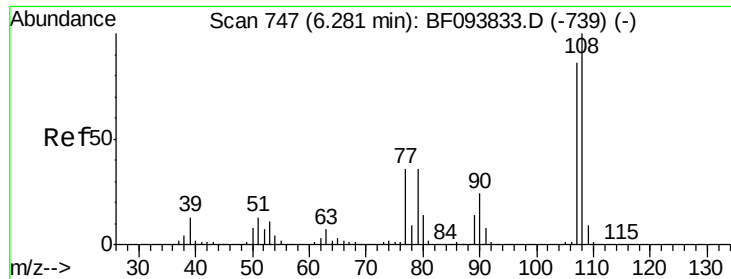
mohammad
4/6/2017 3:38:33 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.29 ng
RT: 6.20 min Scan# 733
Delta R.T. -0.03 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
77	14.6	0.0	33.2		
79	11.7	0.0	30.0		





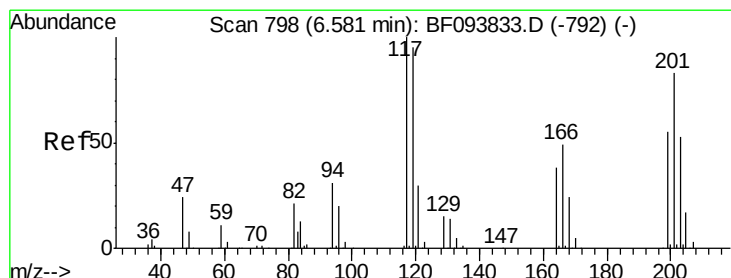
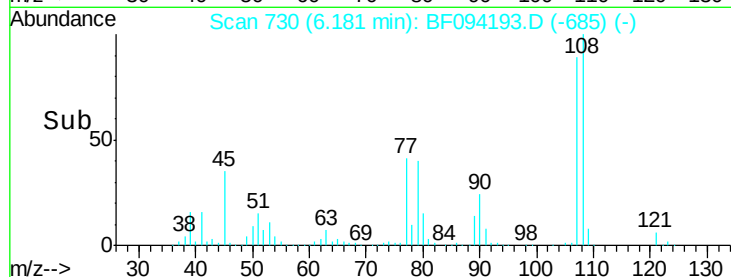
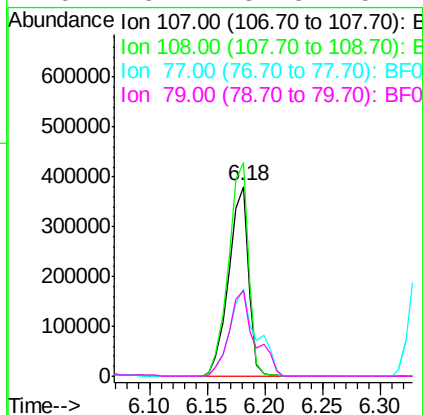
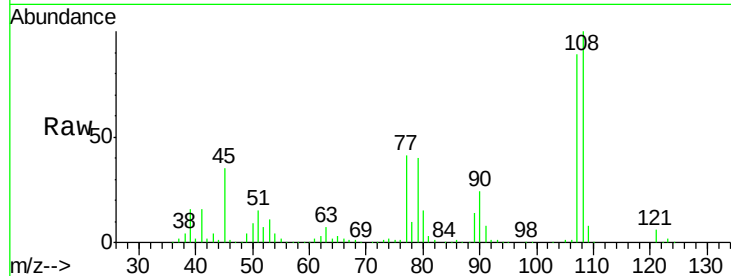
#17
2-Methylphenol
Concen: 49.01 ng
RT: 6.18 min Scan# 730
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	112.5	93.4	140.0		
77	45.6	35.8	53.6		
79	45.1	34.8	52.2		

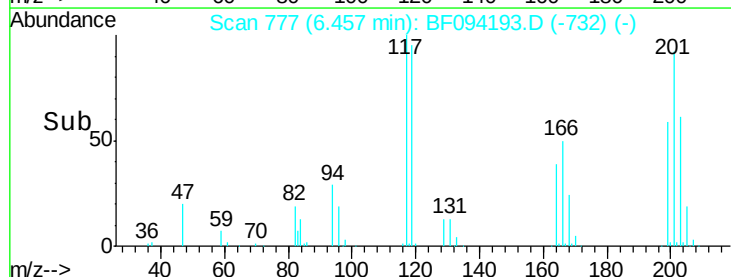
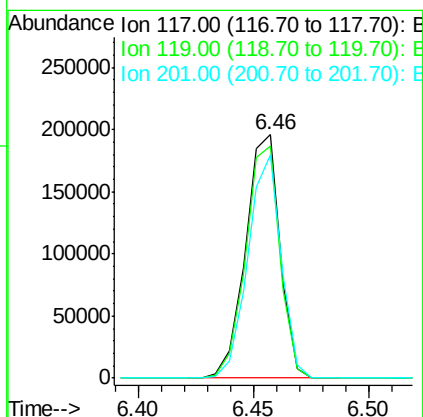
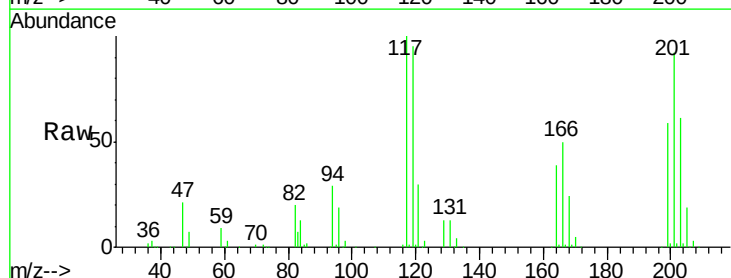
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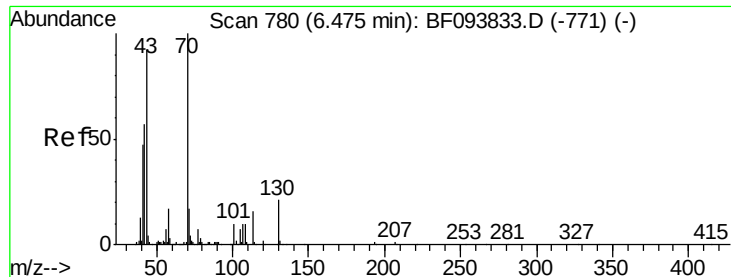
mohammad
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#18
Hexachloroethane
Concen: 47.19 ng
RT: 6.46 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	95.4	77.4	116.0		
201	91.7	94.6	141.8#		





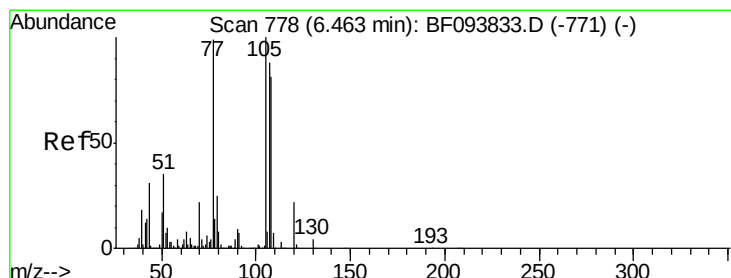
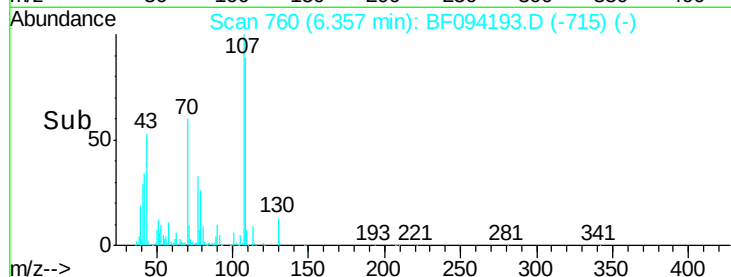
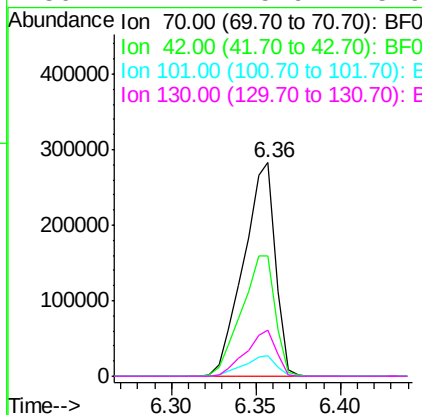
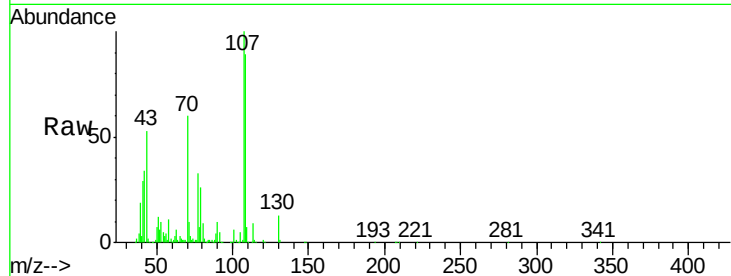
#19
n-Nitroso-di-n-propylamine
Concen: 47.38 ng
RT: 6.36 min Scan# 760
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.6	47.2	70.8	
101	9.8	7.2	10.8	
130	21.7	15.9	23.9	

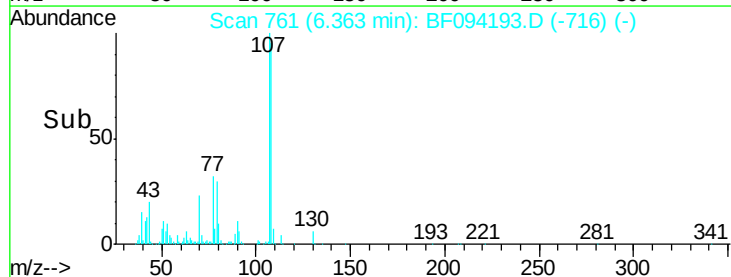
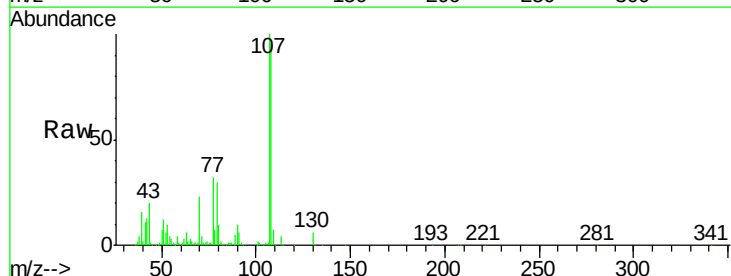
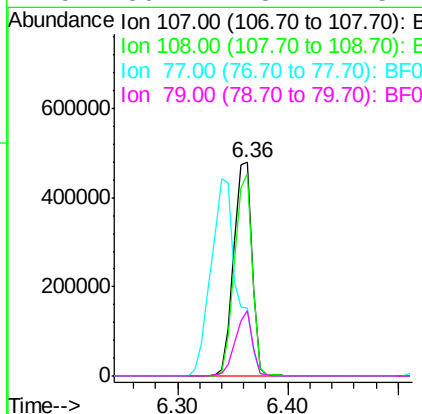
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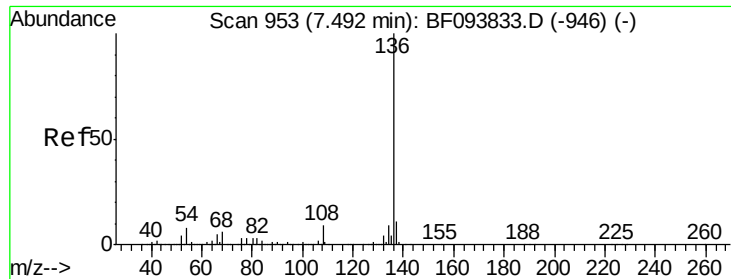
mohammad
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#20
3+4-Methylphenols
Concen: 50.52 ng
RT: 6.36 min Scan# 761
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	94.8	71.0	111.0	
77	32.0	90.5	130.5#	
79	30.4	8.4	48.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.37 min Scan# 932

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

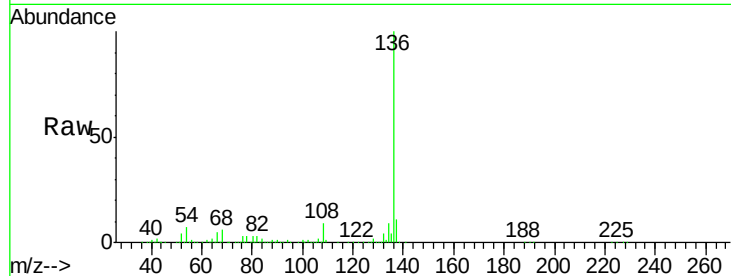
ClientSampleId :

CEMETERY-3(0-7)MSD

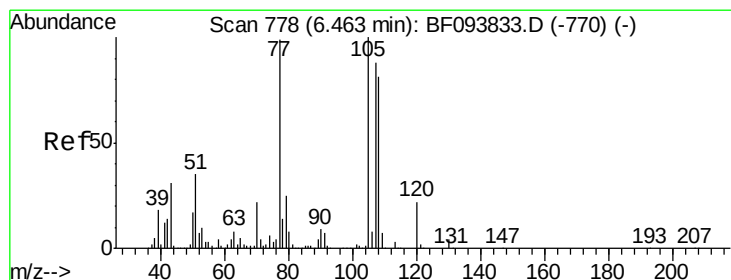
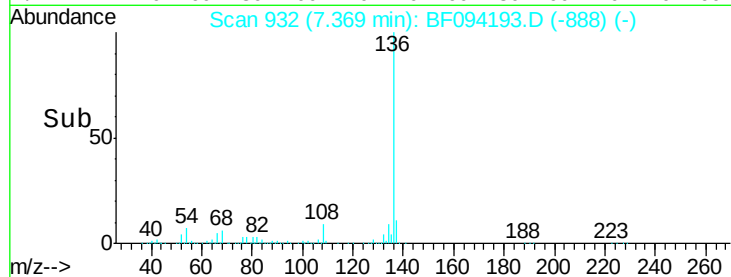
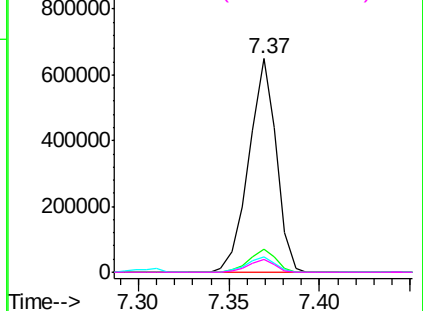
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.3	4.9	7.3
68	6.2	4.1	6.1#

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Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 50.28 ng

RT: 6.34 min Scan# 757

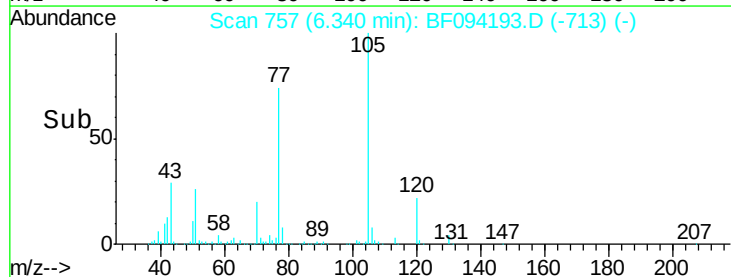
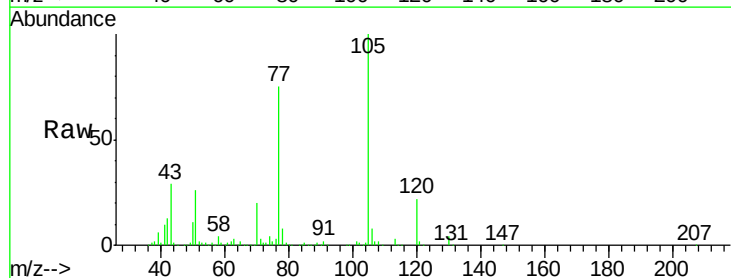
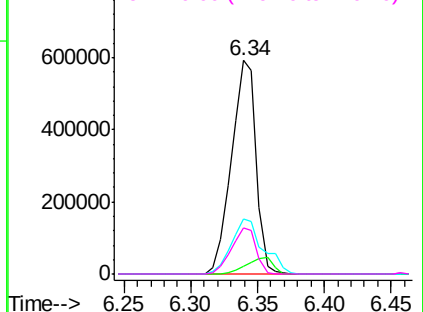
Delta R.T. -0.04 min

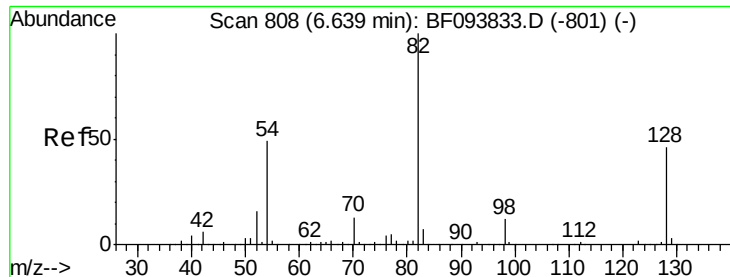
Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	3.5	2.8	4.2
51	25.7	30.7	46.1#
120	21.5	17.4	26.0

Abundance Ion 105.00 (104.70 to 105.70): E
800000
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 88.48 ng

RT: 6.52 min Scan# 788

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion: 82 Resp: 1055725

Ion Ratio Lower Upper

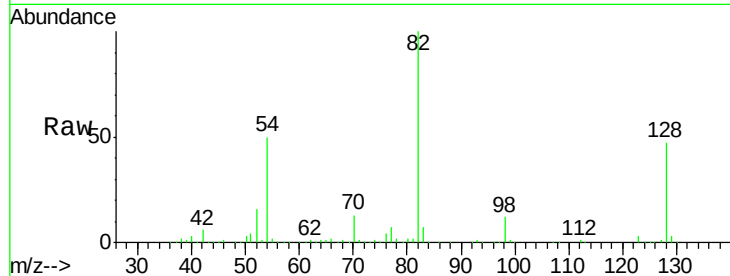
82 100

128 47.1 34.0 51.0

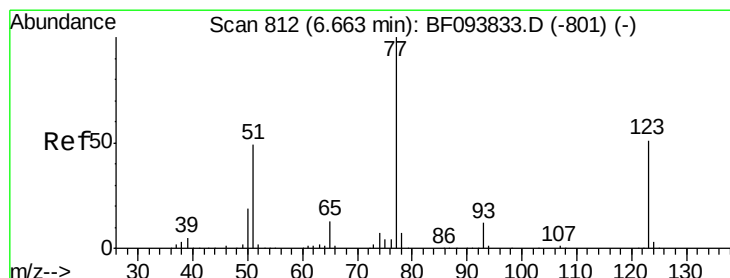
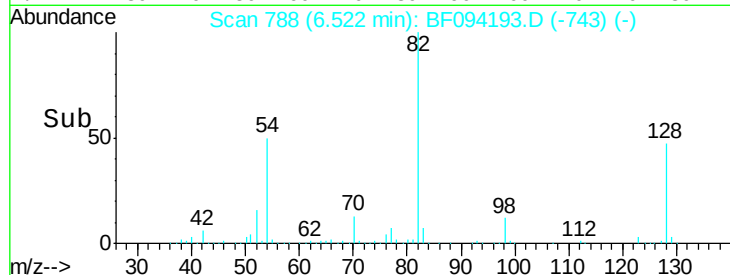
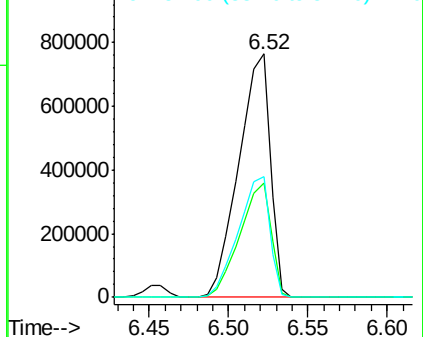
54 49.6 42.2 63.2

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 47.42 ng

RT: 6.54 min Scan# 791

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

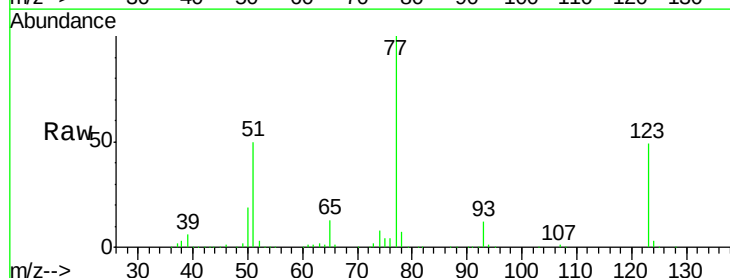
Tgt Ion: 77 Resp: 558049

Ion Ratio Lower Upper

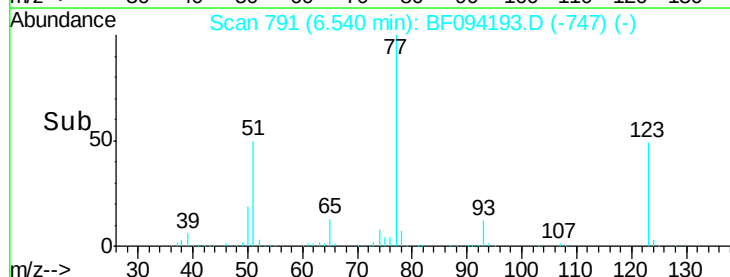
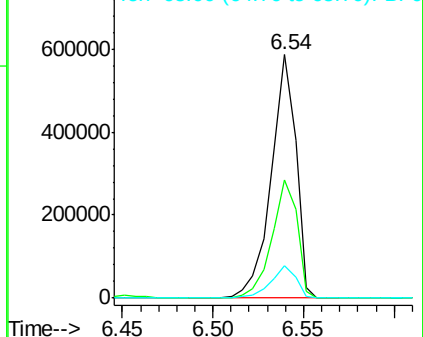
77 100

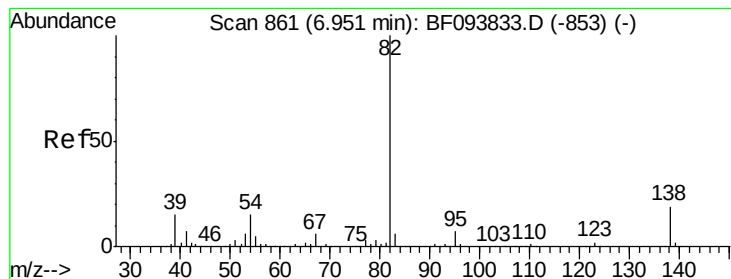
123 48.8 35.8 53.8

65 13.2 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.31 ng

RT: 6.83 min Scan# 840

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion: 82 Resp: 1012909

Ion Ratio Lower Upper

82 100

95 7.0 5.3 7.9

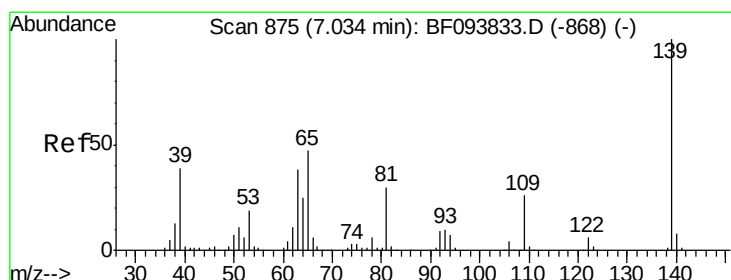
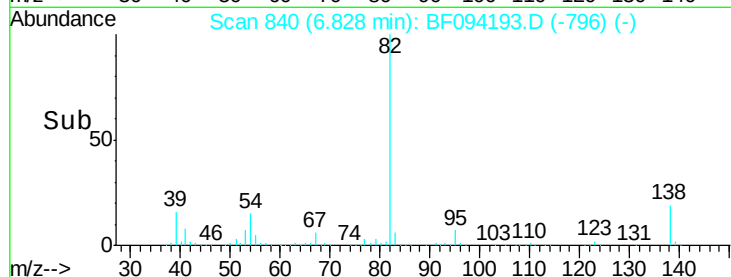
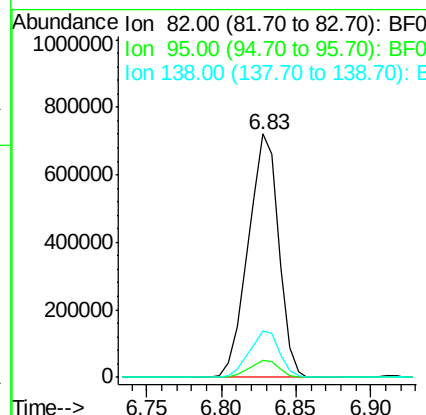
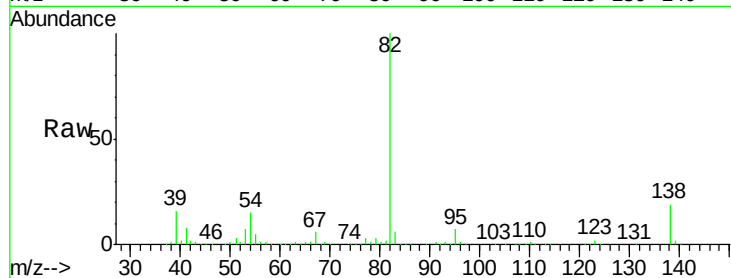
138 18.9 13.1 19.7

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#26

2-Nitrophenol

Concen: 55.41 ng

RT: 6.92 min Scan# 855

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

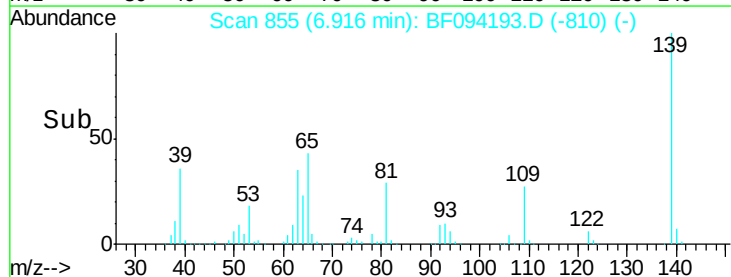
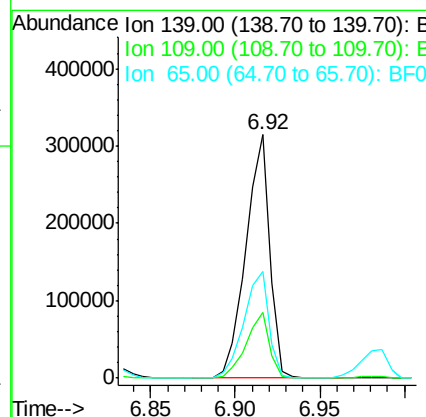
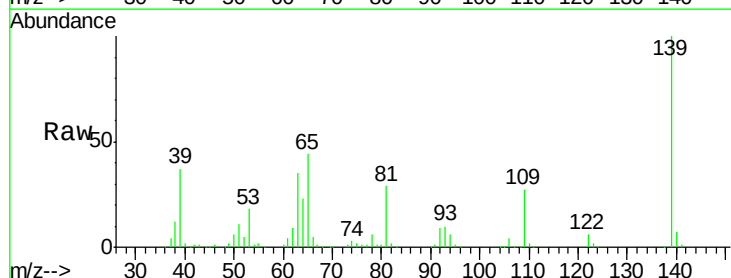
Tgt Ion:139 Resp: 310946

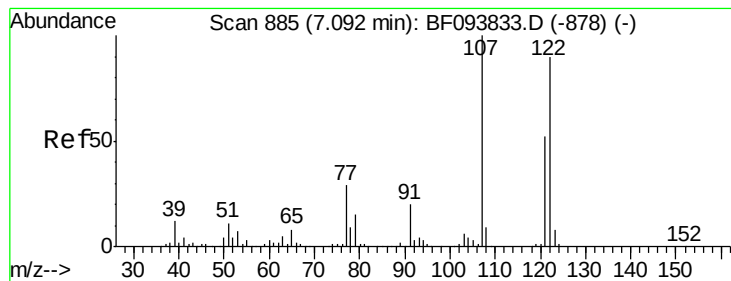
Ion Ratio Lower Upper

139 100

109 26.8 21.0 31.6

65 43.6 33.0 49.6





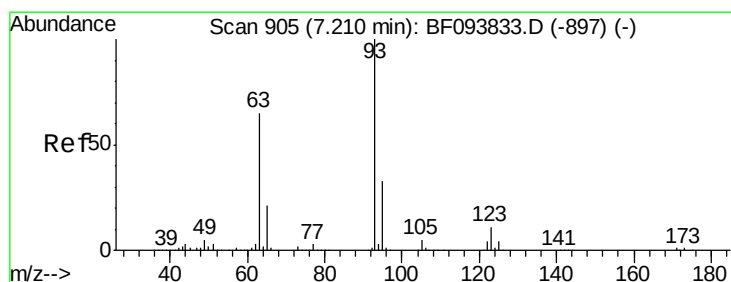
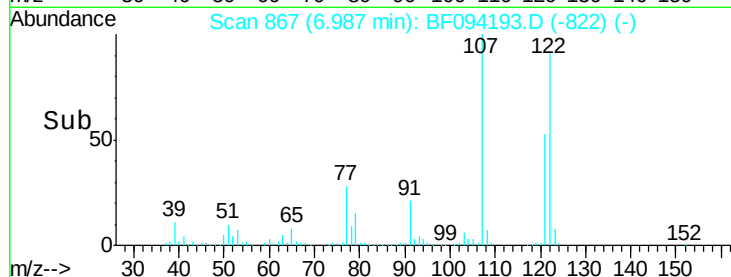
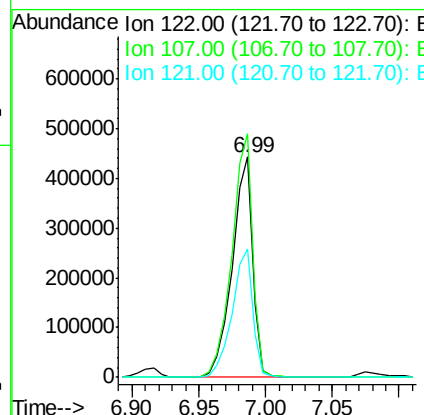
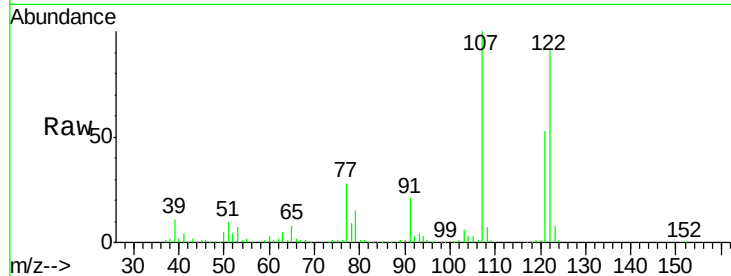
#27
2,4-Dimethylphenol
Concen: 50.04 ng
RT: 6.99 min Scan# 867
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	110.5	89.2	133.8		
121	58.1	45.2	67.8		

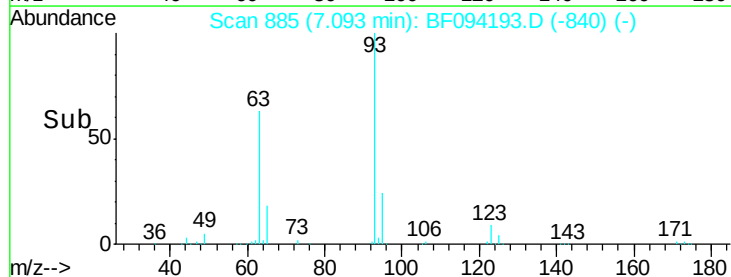
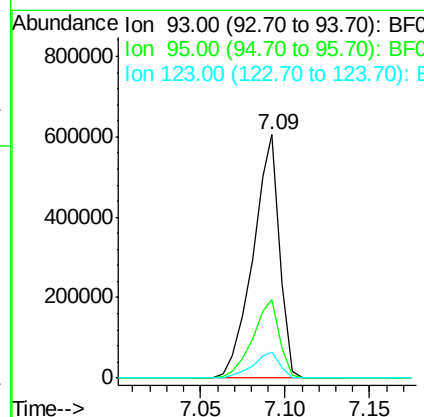
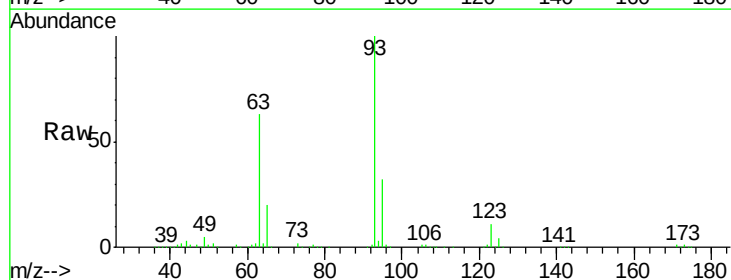
Manual Integrations
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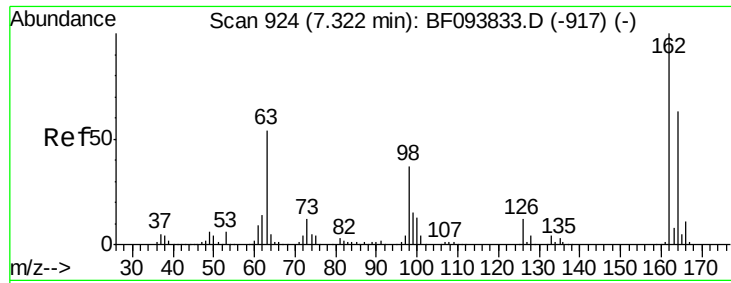
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 47.83 ng
RT: 7.09 min Scan# 885
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	32.2	26.5	39.7		
123	10.9	9.0	13.4		





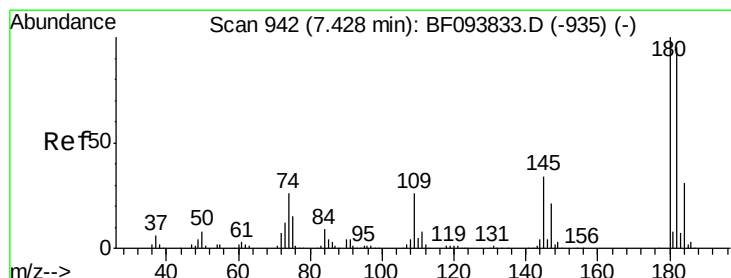
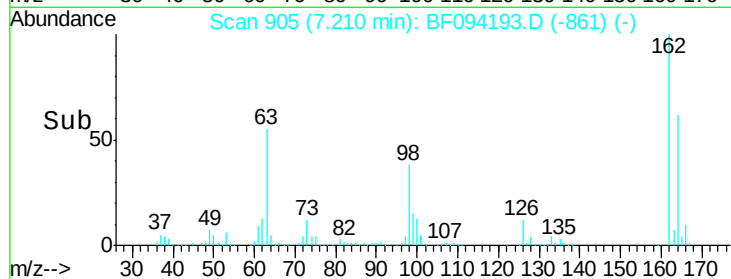
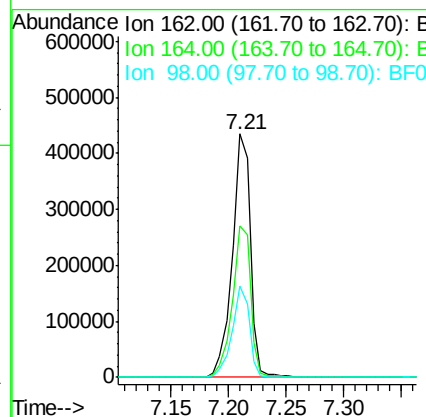
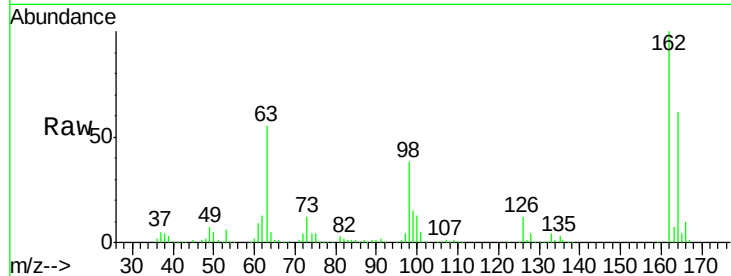
#29
 2,4-Dichlorophenol
 Concen: 52.19 ng
 RT: 7.21 min Scan# 905
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		471900		
164	62.2		44.6	84.6	
98	37.5		14.8	54.8	

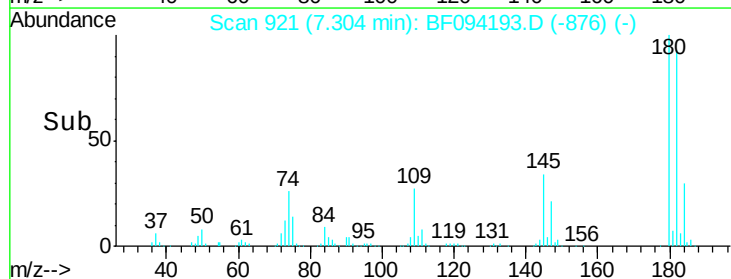
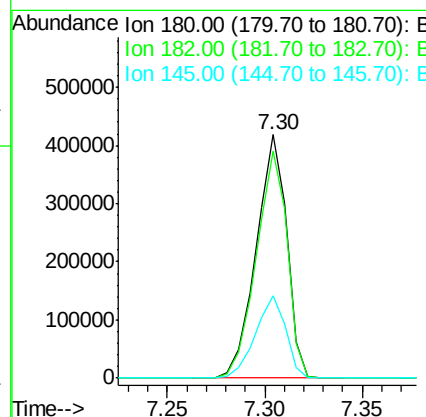
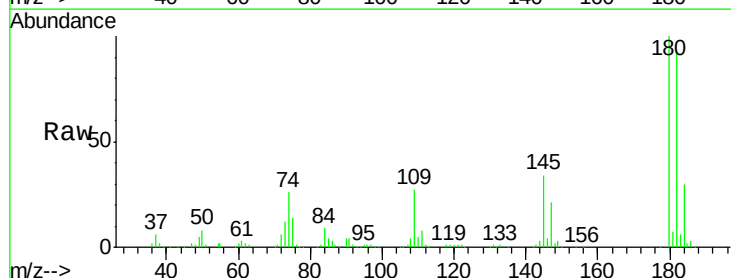
Manual Integrations
 APPROVED

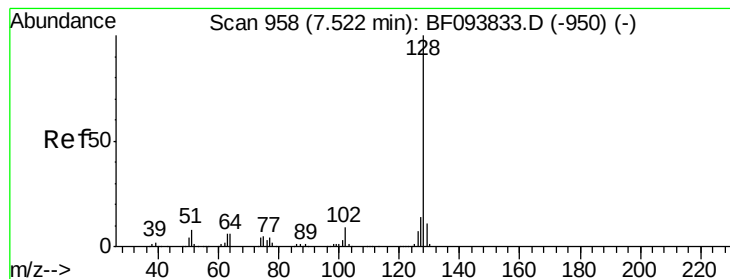
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 48.60 ng
 RT: 7.30 min Scan# 921
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		452585		
182	93.4		75.8	113.6	
145	33.7		25.3	37.9	





#31

Naphthalene

Concen: 46.77 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion:128 Resp: 1531490

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

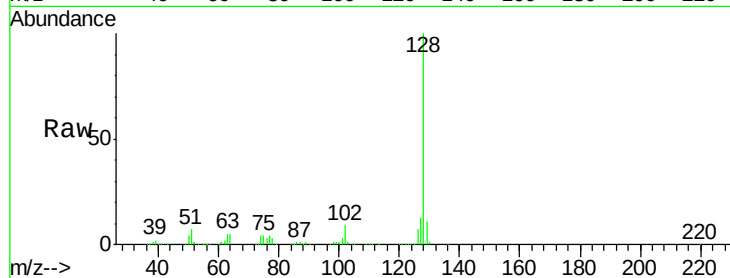
127 13.3 10.8 16.2

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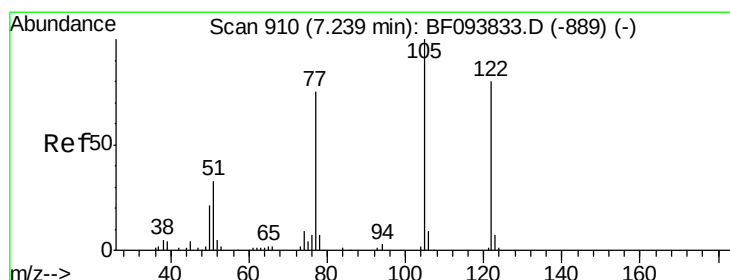
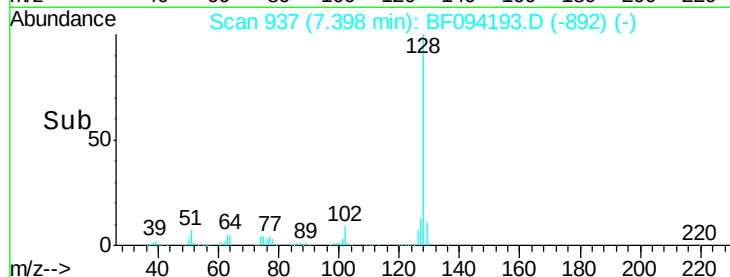
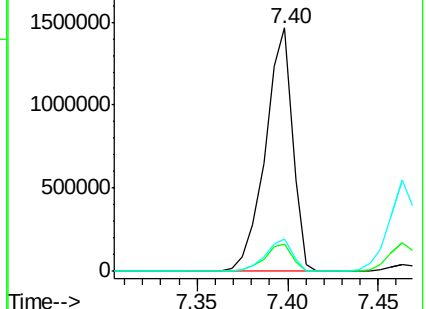
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.52 ng

RT: 7.07 min Scan# 882

Delta R.T. -0.11 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

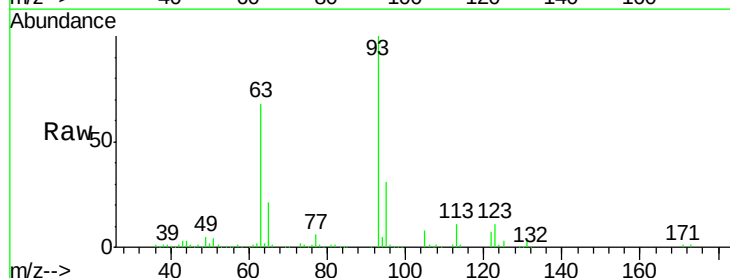
Tgt Ion:122 Resp: 16197

Ion Ratio Lower Upper

122 100

105 115.3 103.3 143.3

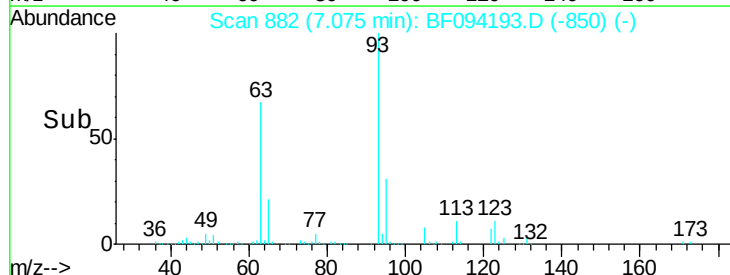
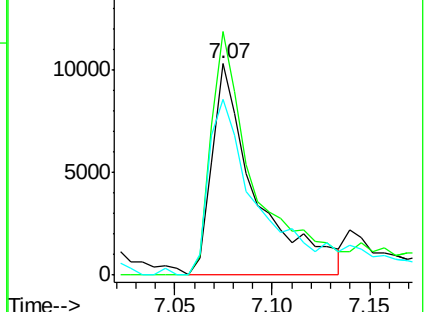
77 83.2 73.7 113.7

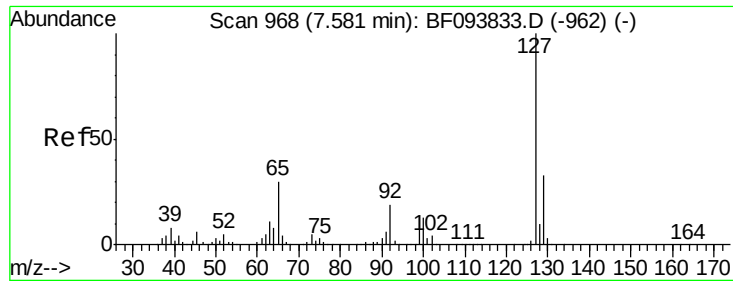


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





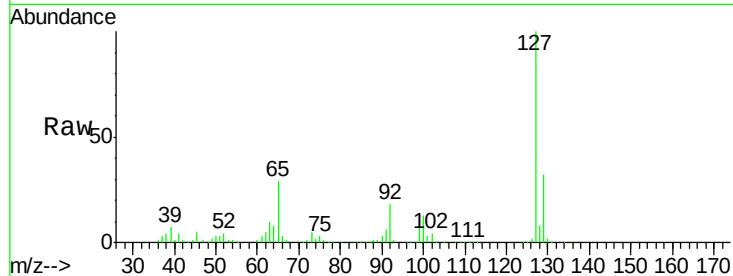
#33
4-Chloroaniline
Concen: 41.73 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

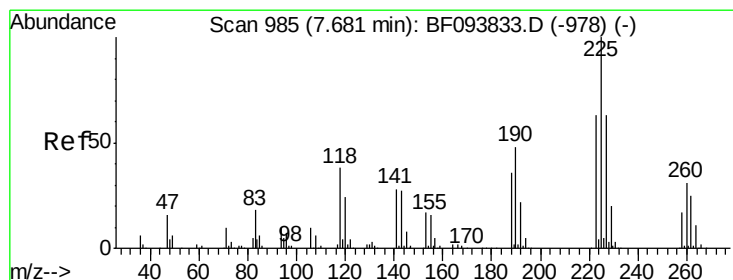
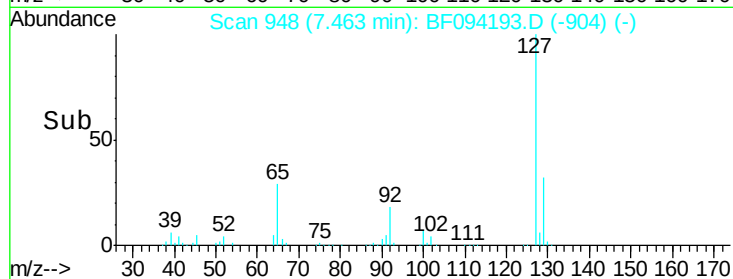
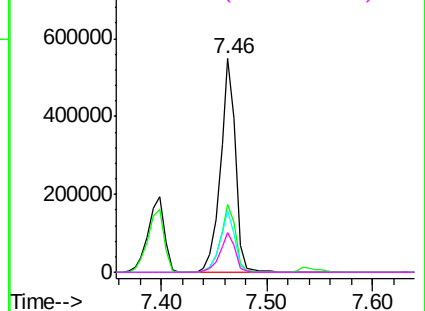
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.6	26.2	39.2		
65	28.7	27.8	41.8		
92	18.5	16.8	25.2		

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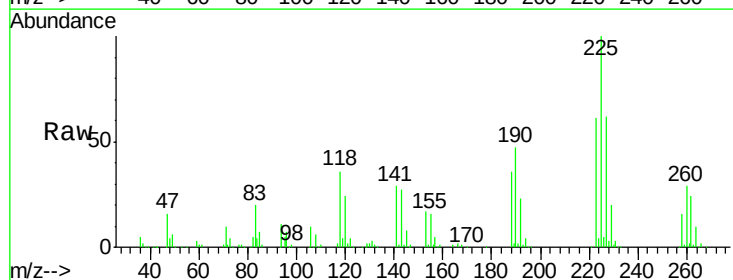


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

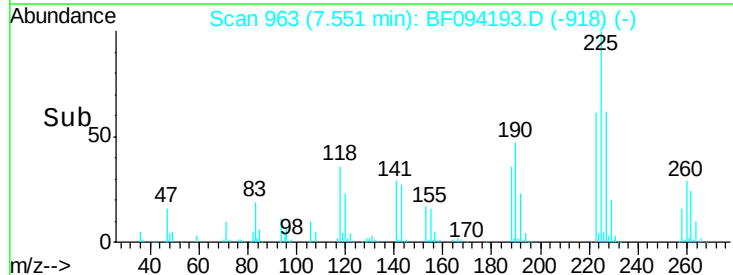
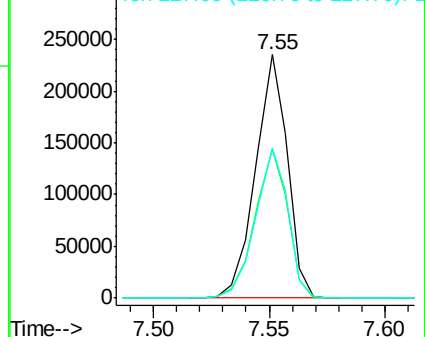


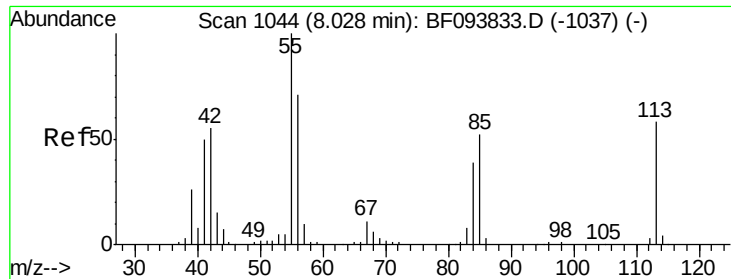
#34
Hexachlorobutadiene
Concen: 47.48 ng
RT: 7.55 min Scan# 963
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.2	48.8	73.2		
227	61.8	51.1	76.7		



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





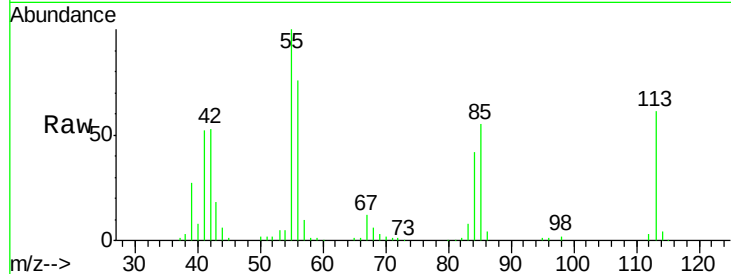
#35
 Caprolactam
 Concen: 48.45 ng/ml
 RT: 7.91 min Scan# 1024
 Delta R.T. -0.05 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

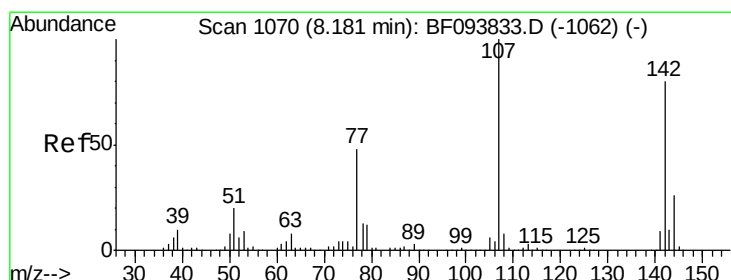
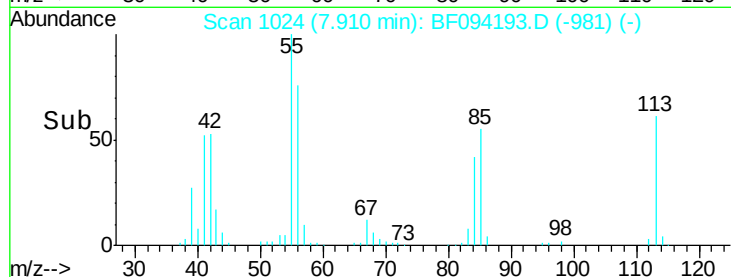
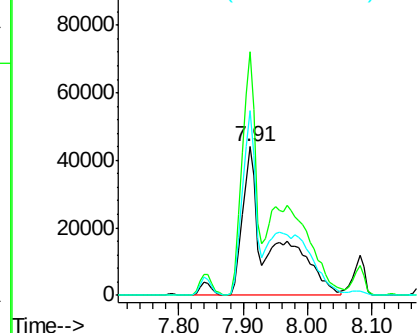
Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	163.7		150.2	190.2	
56	124.2		107.8	147.8	

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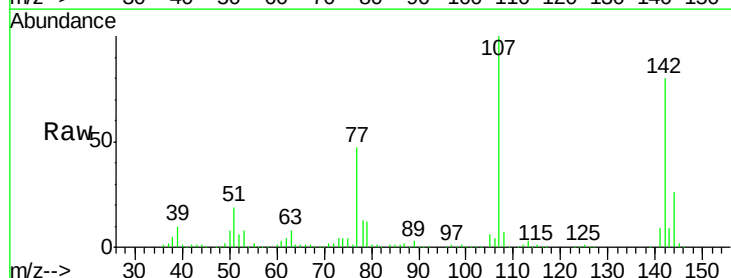


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

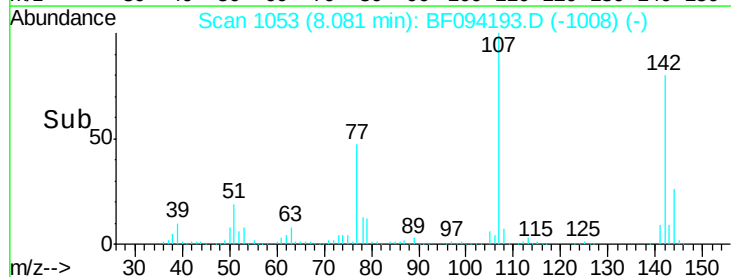
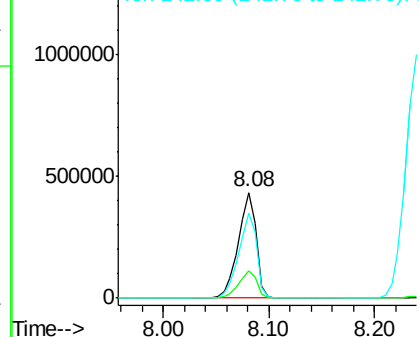


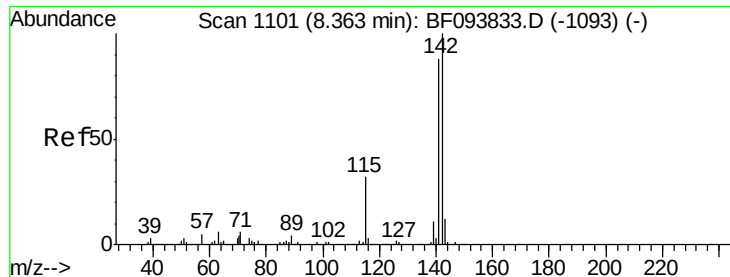
#36
 4-Chloro-3-methylphenol
 Concen: 53.09 ng/ml
 RT: 8.08 min Scan# 1053
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.9		24.2	36.4	
142	80.3		73.4	110.0	



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 48.53 ng

RT: 8.24 min Scan# 1080

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion:142 Resp: 1059282

Ion Ratio Lower Upper

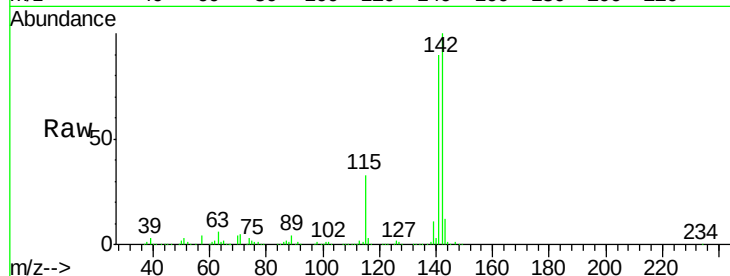
142 100

141 90.0 71.3 106.9

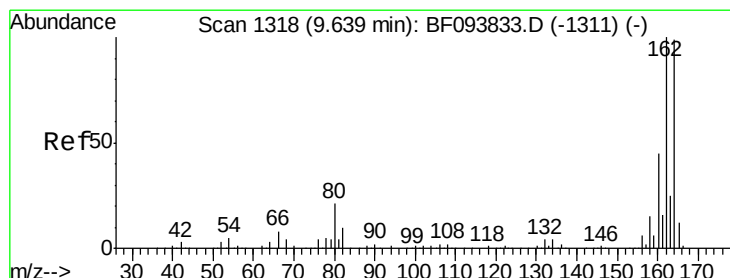
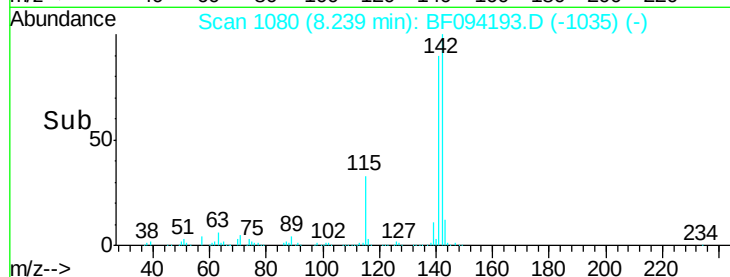
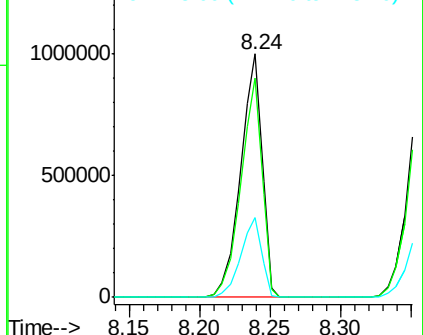
115 32.6 27.1 40.7

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

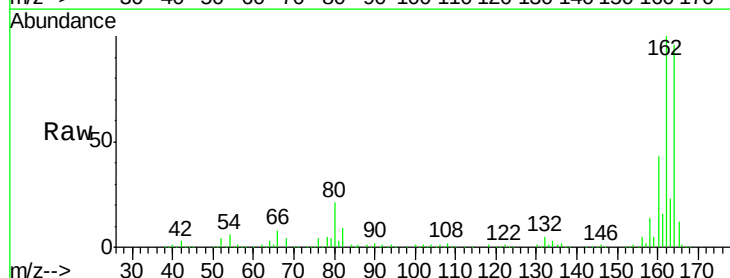
Tgt Ion:164 Resp: 306717

Ion Ratio Lower Upper

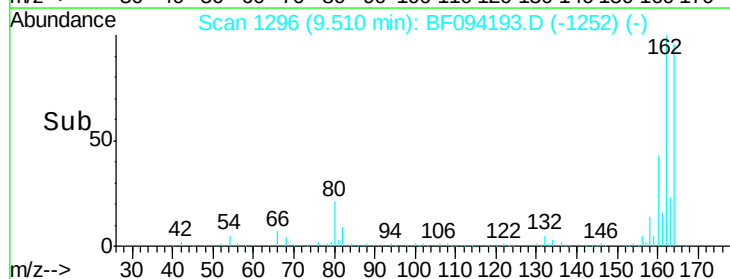
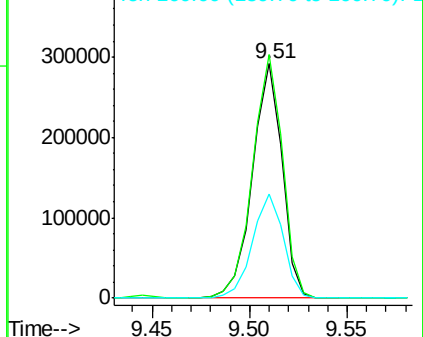
164 100

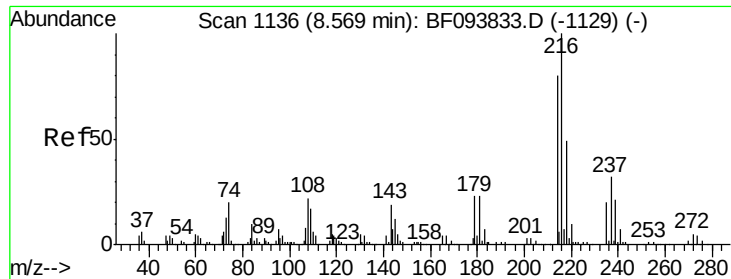
162 104.0 82.6 123.8

160 44.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





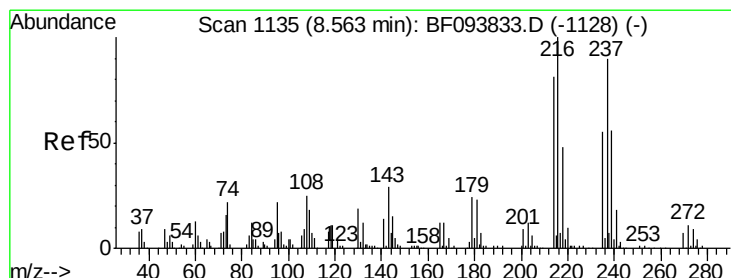
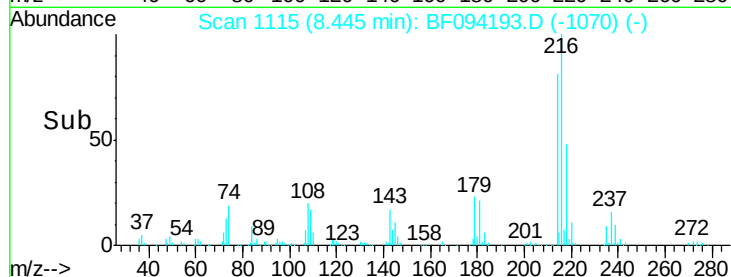
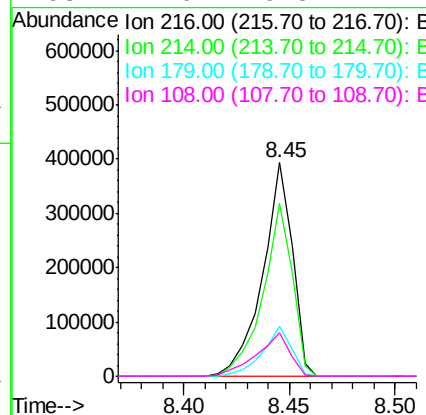
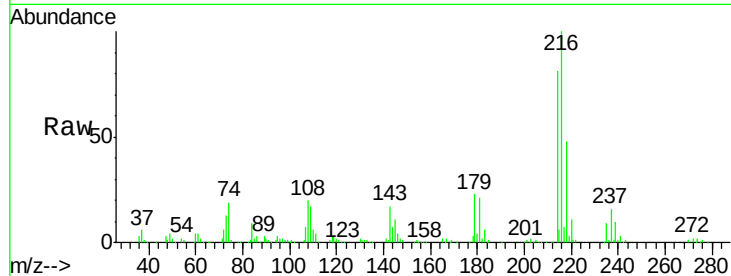
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.07 ng
 RT: 8.45 min Scan# 1115
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		386560		
214	79.7		63.4	95.2	
179	22.6		17.9	26.9	
108	22.6		16.5	24.7	

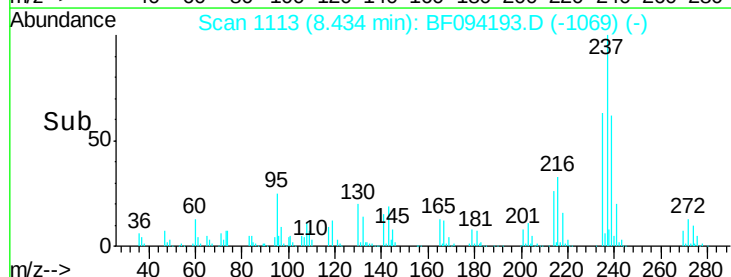
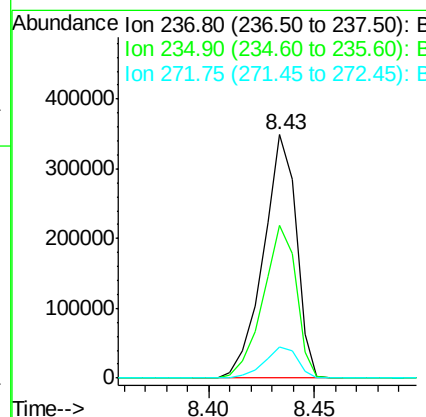
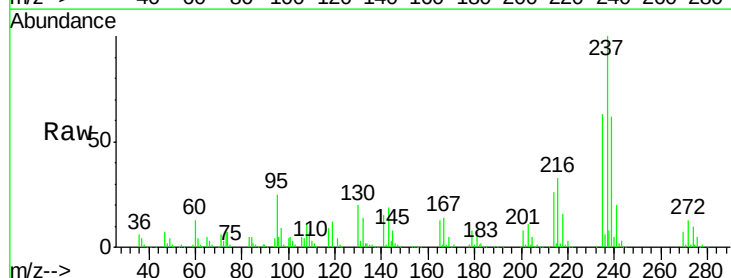
Manual Integrations
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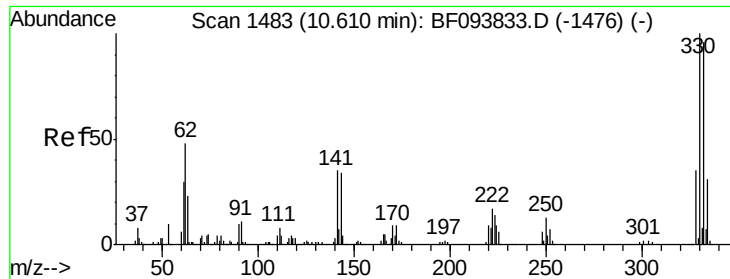
mohammad
 4/6/2017 3:38:33 PM



#40
 Hexachlorocyclopentadiene
 Concen: 96.48 ng
 RT: 8.43 min Scan# 1113
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		378809		
235	63.0		42.6	82.6	
272	12.9		0.0	31.9	





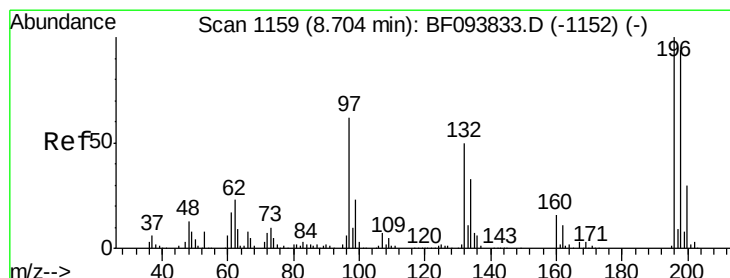
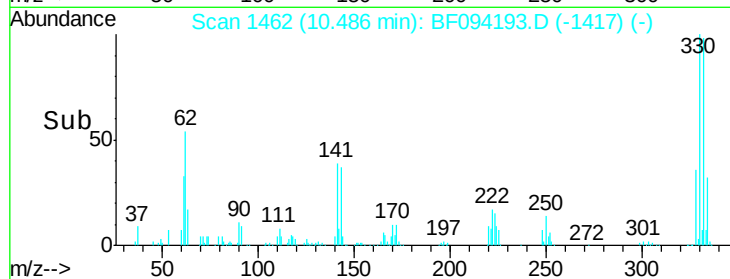
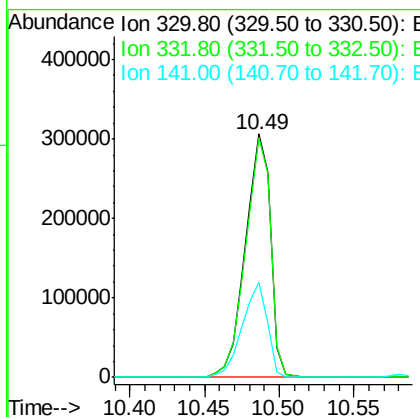
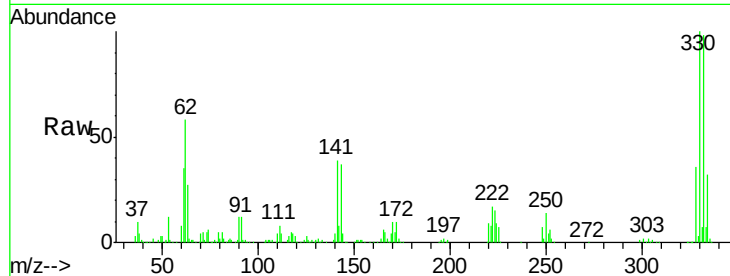
#41
 2,4,6-Tribromophenol
 Concen: 146.60 ng
 RT: 10.49 min Scan# 1462
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	355309		
332	98.8	76.6	115.0	
141	39.1	31.4	47.2	

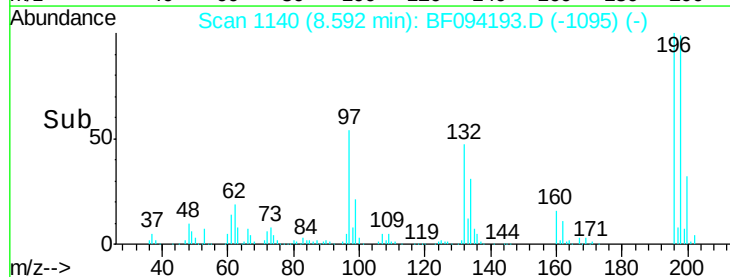
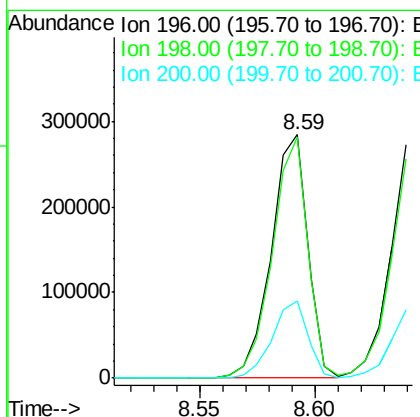
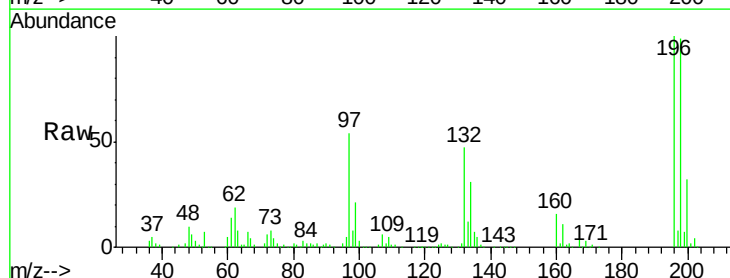
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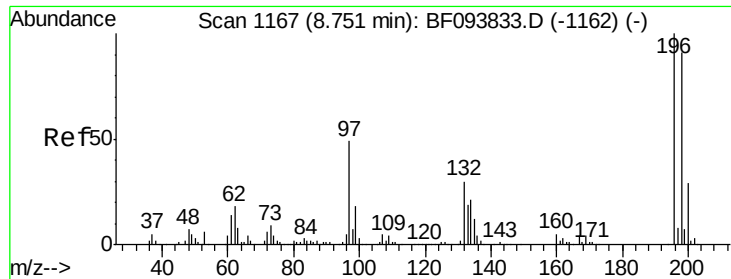
mohammad
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#42
 2,4,6-Trichlorophenol
 Concen: 52.52 ng
 RT: 8.59 min Scan# 1140
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	311788		
198	99.0	74.2	111.4	
200	32.0	24.0	36.0	





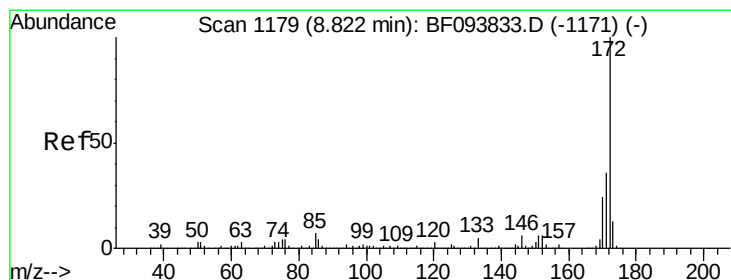
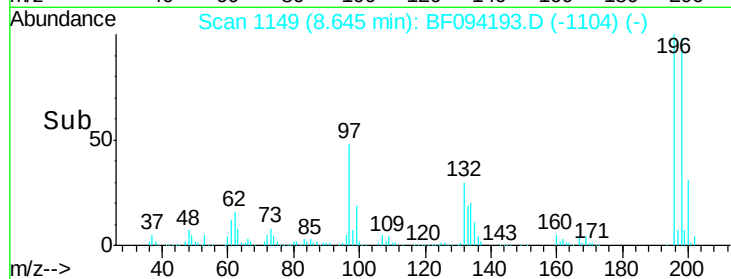
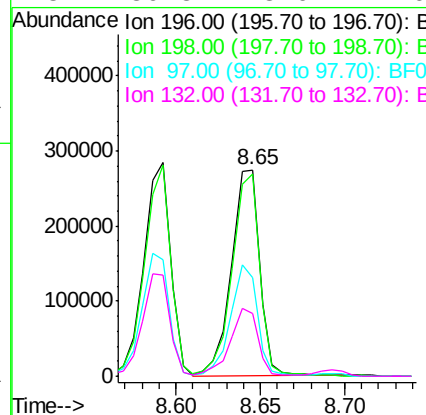
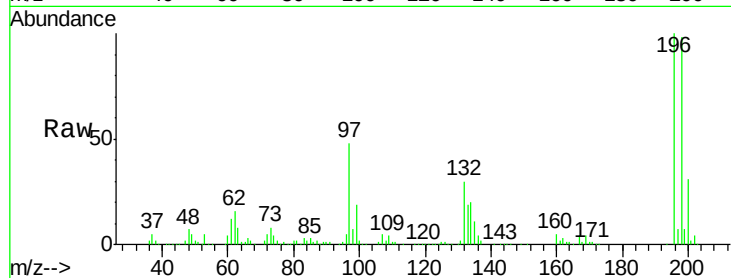
#43
 2,4,5-Trichlorophenol
 Concen: 49.82 ng
 RT: 8.65 min Scan# 1149
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		320027		
198	97.9	75.7	113.5		
97	47.8	47.7	71.5		
132	30.3	28.0	42.0		

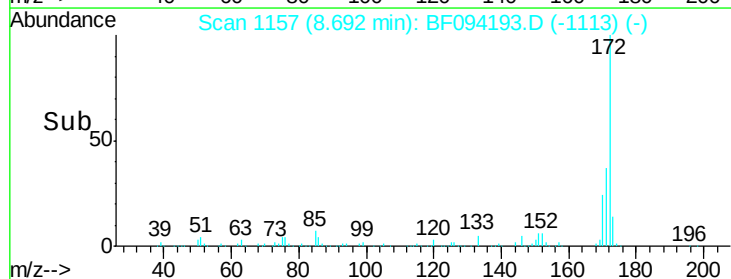
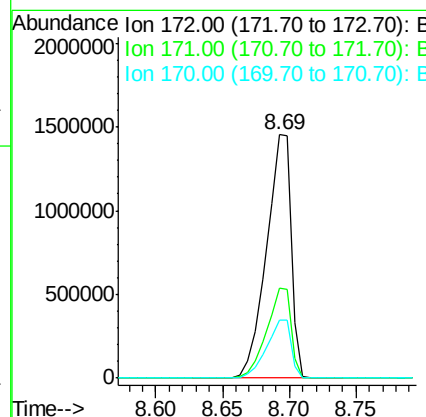
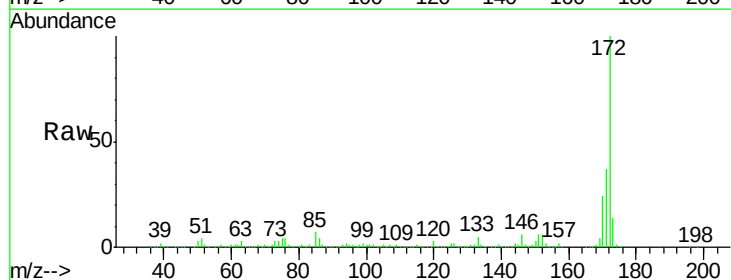
Manual Integrations
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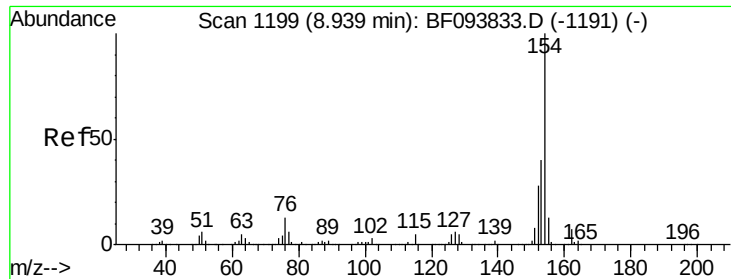
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 92.71 ng
 RT: 8.69 min Scan# 1157
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1864285		
171	36.7	29.6	44.4		
170	23.9	19.8	29.8		





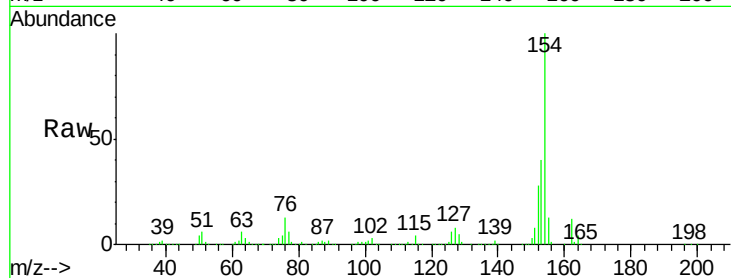
#45
 1,1'-Biphenyl
 Concen: 47.83 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.2	61.2
76	12.6	0.0	29.9

Manual Integrations
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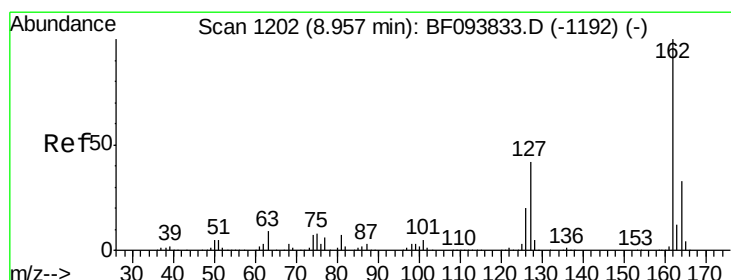
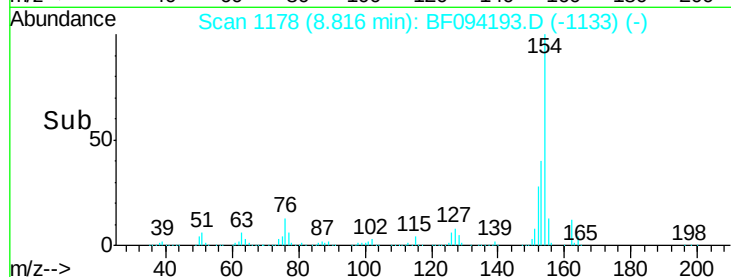
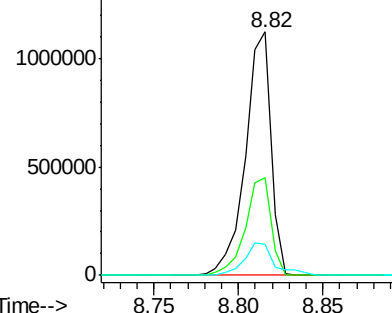


Abundance

Ion 154.00 (153.70 to 154.70): E

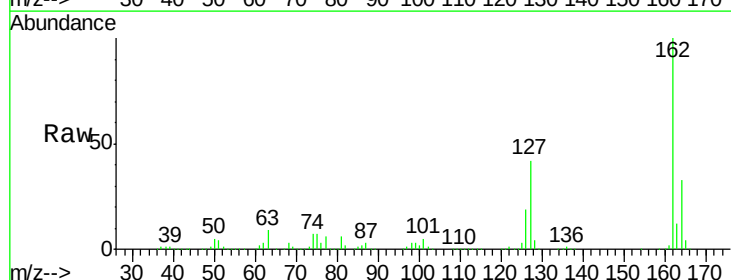
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46
 2-Chloronaphthalene
 Concen: 49.14 ng
 RT: 8.83 min Scan# 1181
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.5	28.3	42.5
164	33.1	27.0	40.4

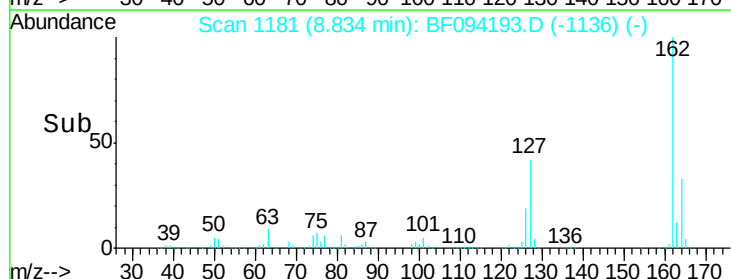
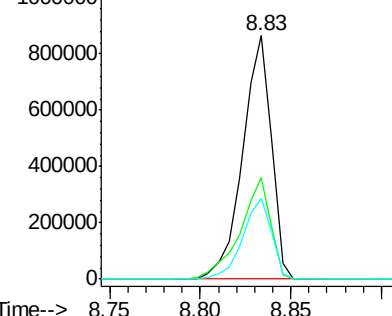


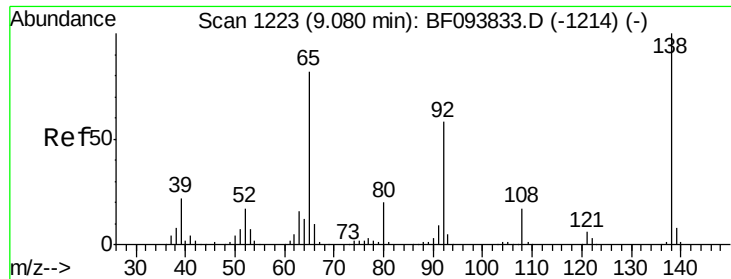
Abundance

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





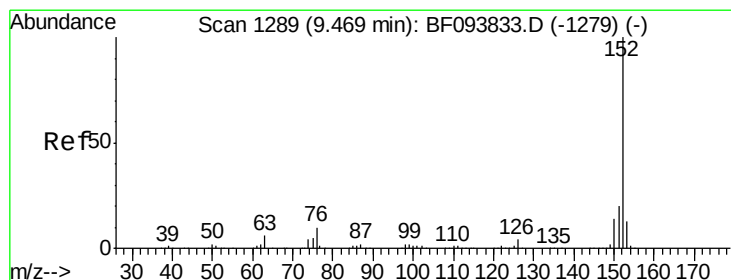
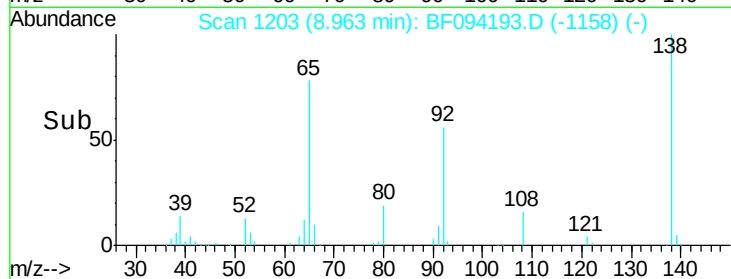
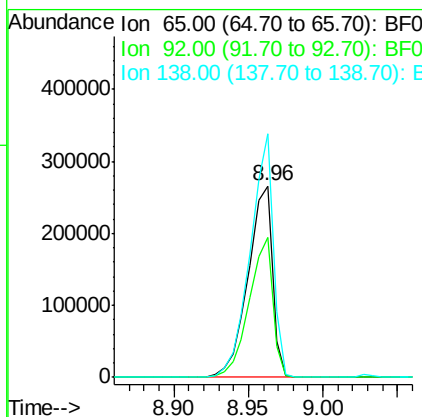
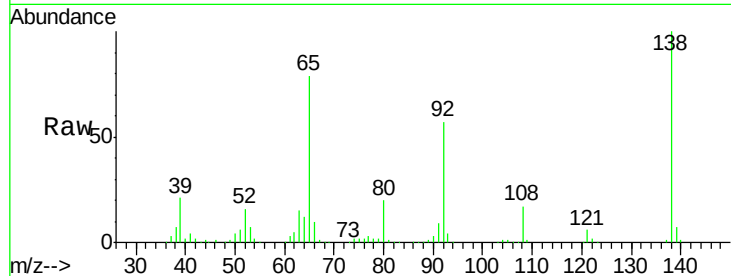
#47
2-Nitroaniline
Concen: 52.45 ng
RT: 8.96 min Scan# 1203
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	72.9	53.9	80.9
138	127.1	78.8	118.2

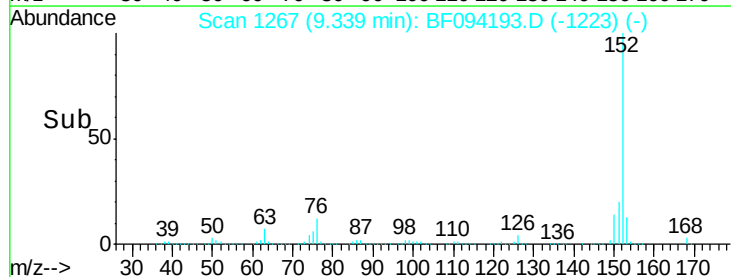
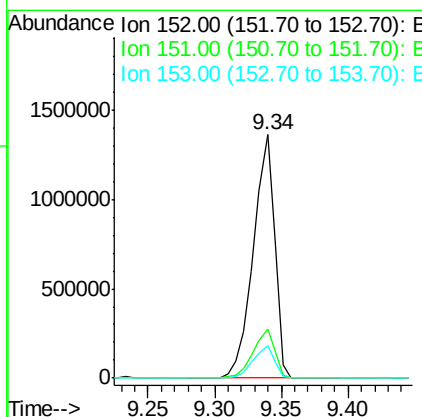
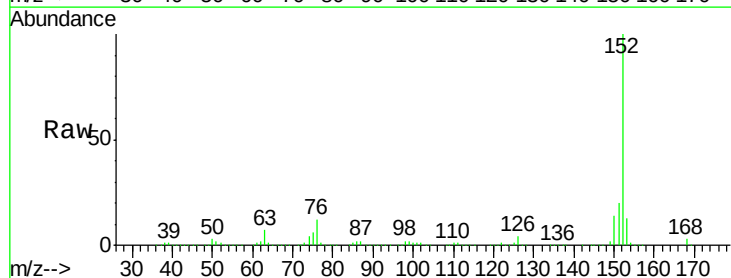
Manual Integrations
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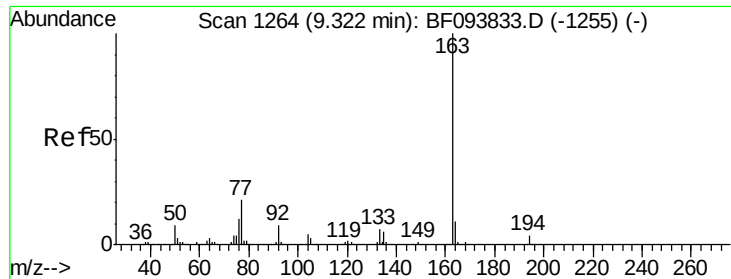
mohammad
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#48
Acenaphthylene
Concen: 46.39 ng
RT: 9.34 min Scan# 1267
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.2	10.8	16.2





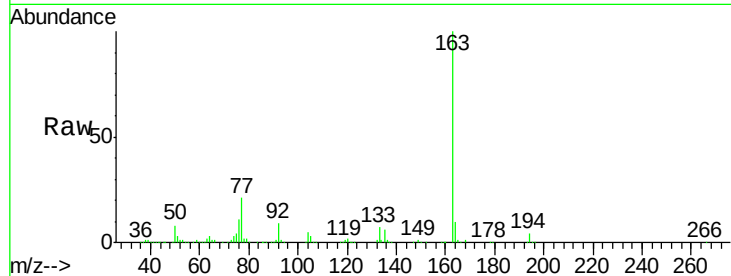
#49
Dimethylphthalate
Concen: 57.23 ng
RT: 9.20 min Scan# 1244
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

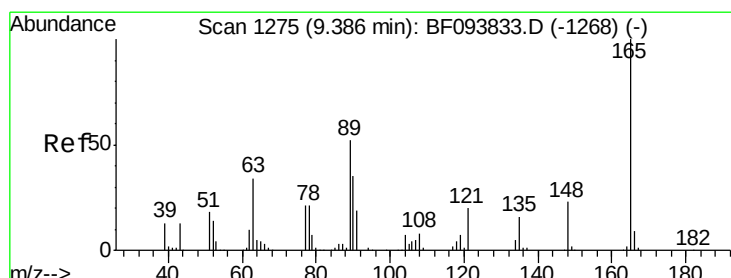
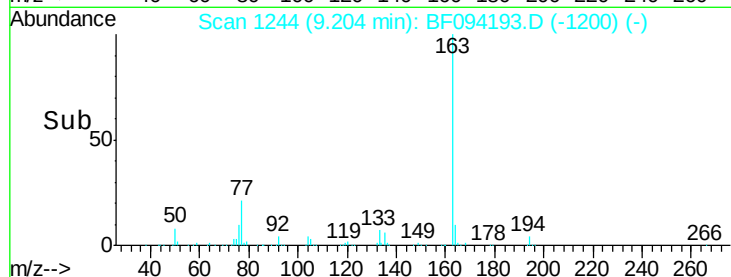
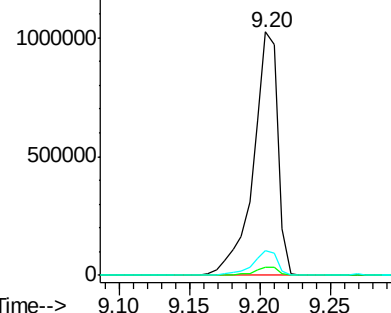
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.3	8.4	12.6

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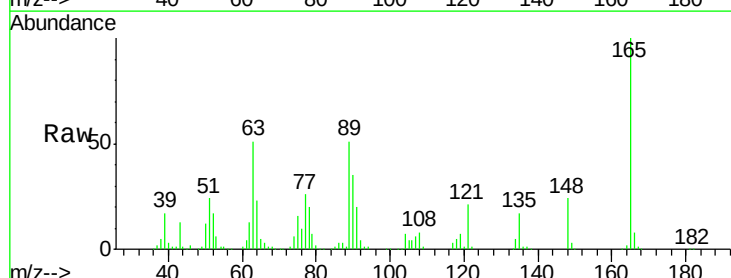


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

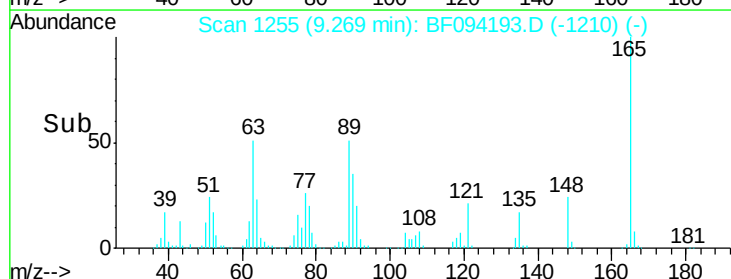
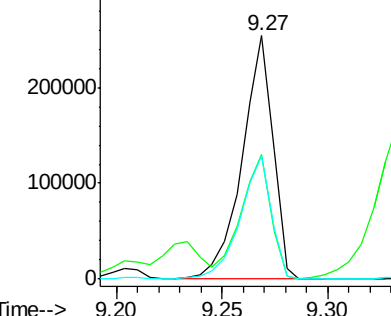


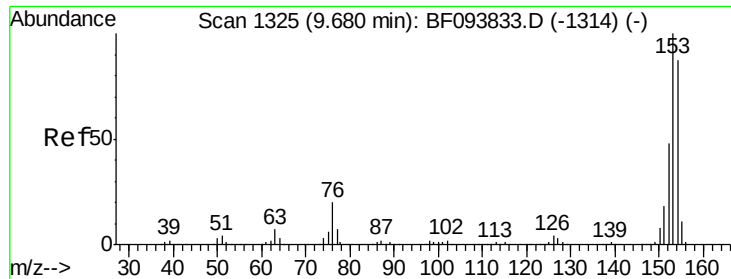
#50
2,6-Dinitrotoluene
Concen: 51.70 ng
RT: 9.27 min Scan# 1255
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	51.1	34.3	51.5
89	50.7	37.1	55.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





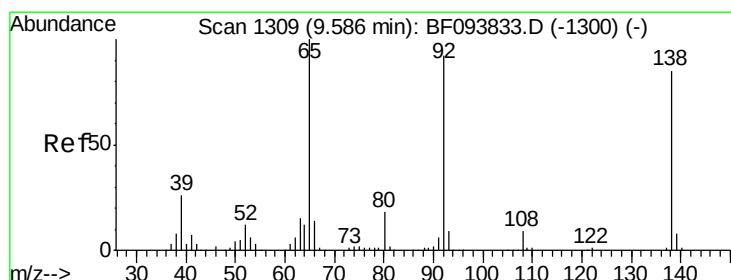
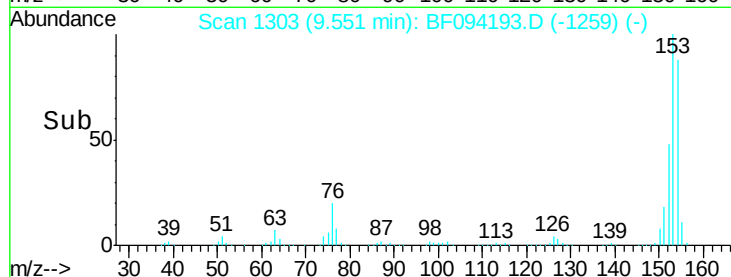
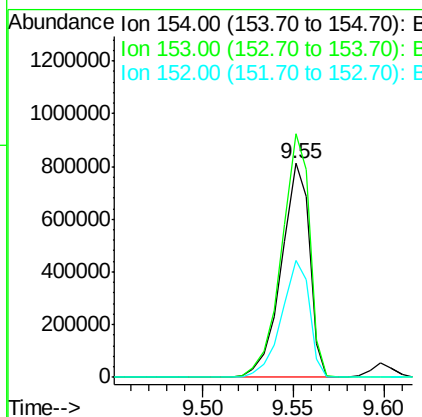
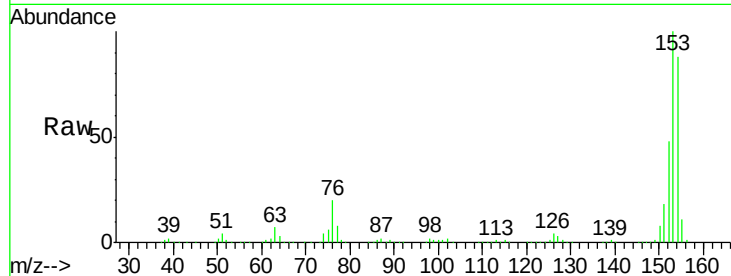
#51
Acenaphthene
Concen: 47.07 ng
RT: 9.55 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.5	135.7
152	54.5	43.6	65.4

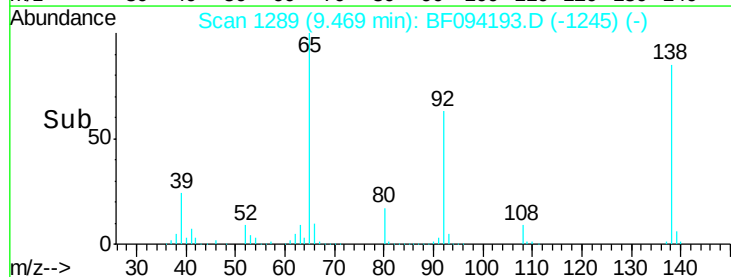
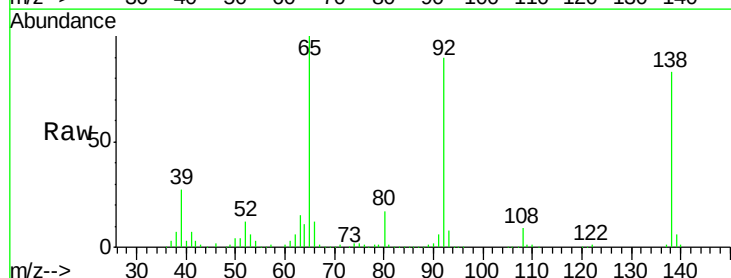
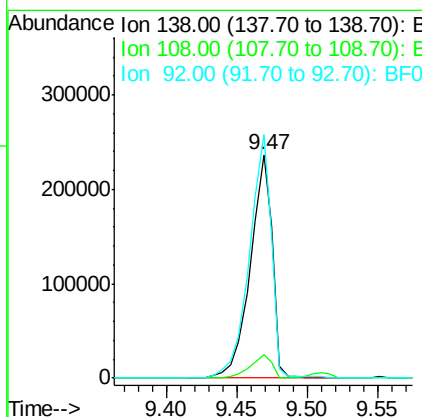
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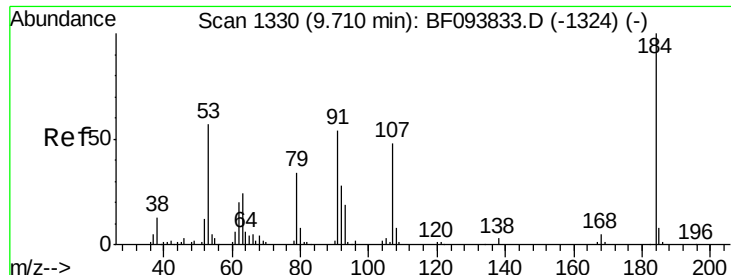
mohammad
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#52
3-Nitroaniline
Concen: 44.08 ng
RT: 9.47 min Scan# 1289
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.5	9.1	13.7
92	109.1	93.8	140.6





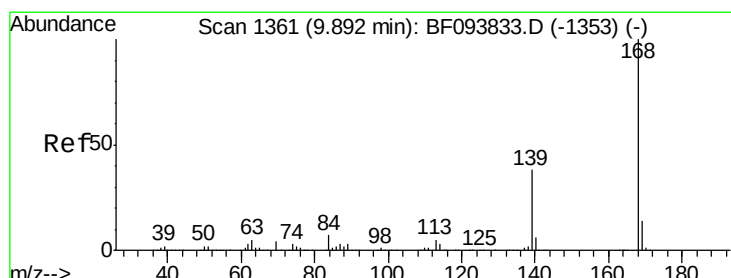
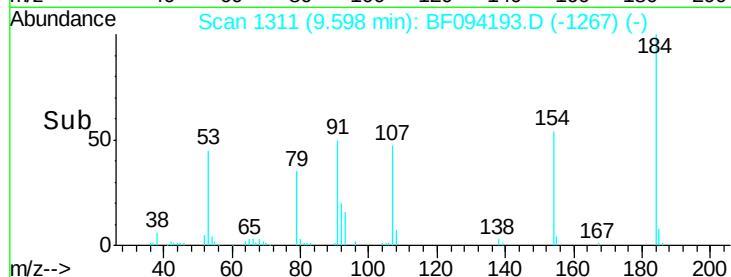
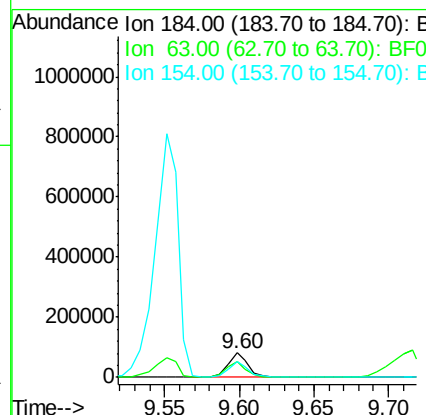
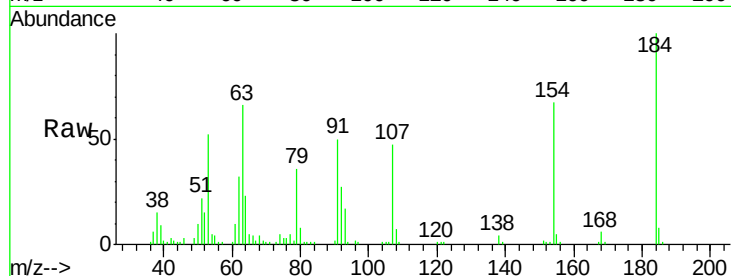
#53
2,4-Dinitrophenol
Concen: 32.34 ng
RT: 9.60 min Scan# 1311
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	66.4	62.7	94.1
154	66.7	81.1	121.7

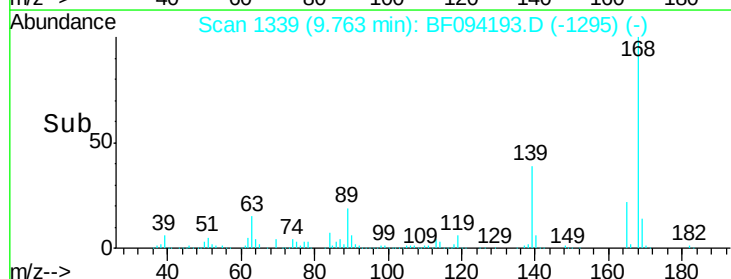
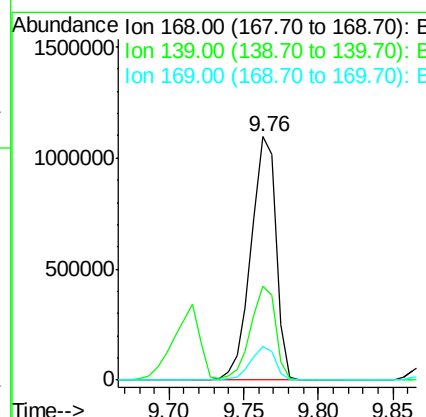
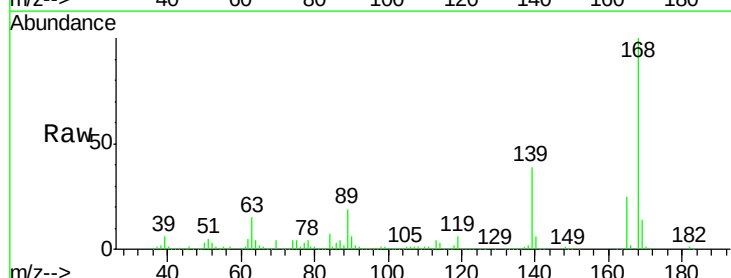
Manual Integrations
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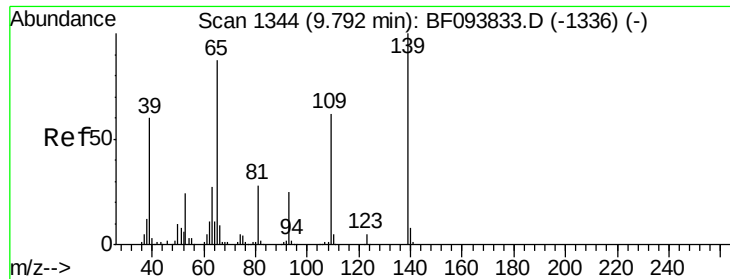
mohammad
4/6/2017 3:38:33 PM



#54
Dibenzofuran
Concen: 49.66 ng
RT: 9.76 min Scan# 1339
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.6	45.8
169	13.7	10.8	16.2





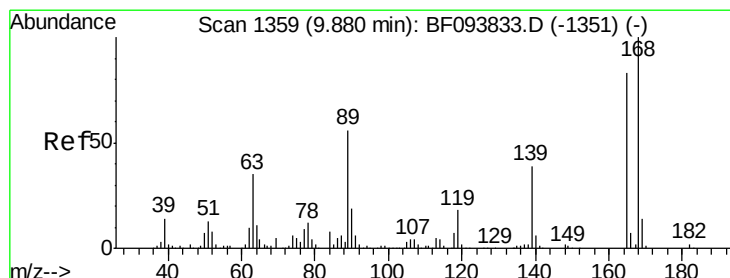
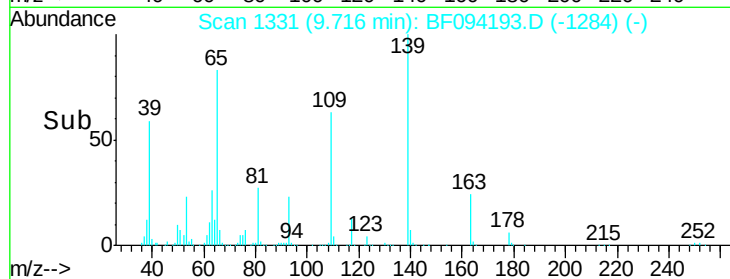
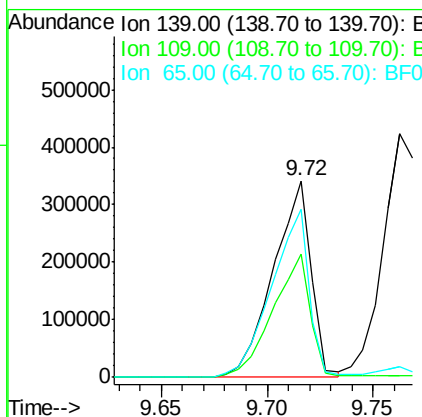
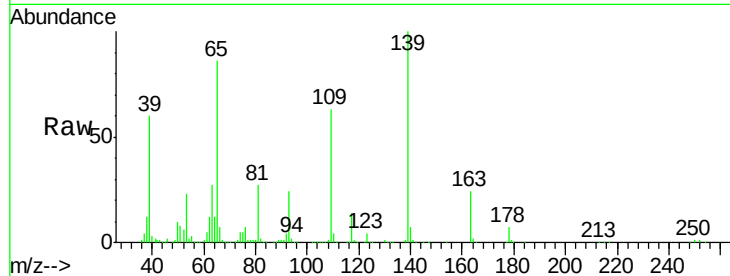
#55
4-Nitrophenol
Concen: 92.89 ng
RT: 9.72 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	62.7	34.1	74.1
65	85.8	31.4	71.4

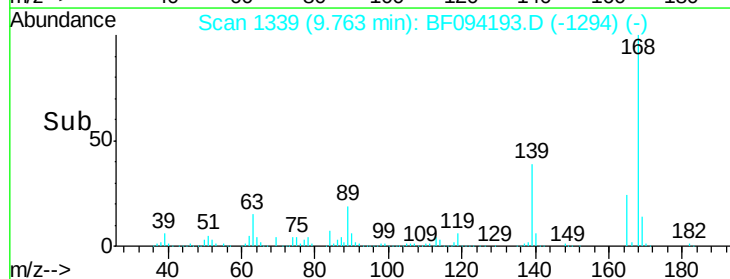
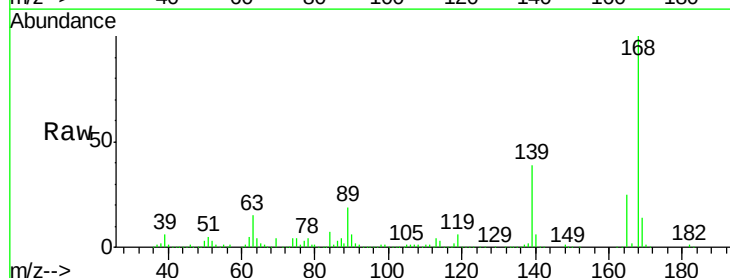
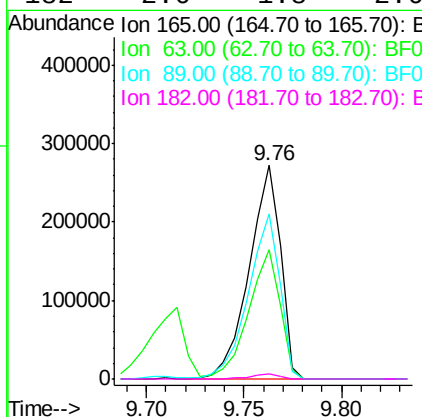
Manual Integrations
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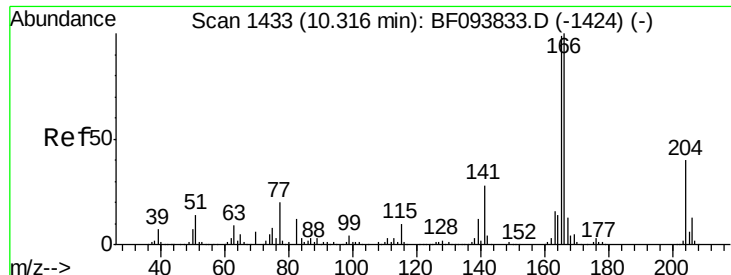
mohammad
4/6/2017 3:38:33 PM



#56
2,4-Dinitrotoluene
Concen: 48.29 ng
RT: 9.76 min Scan# 1339
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	60.6	25.4	38.0
89	77.2	46.4	69.6
182	2.6	1.8	2.6





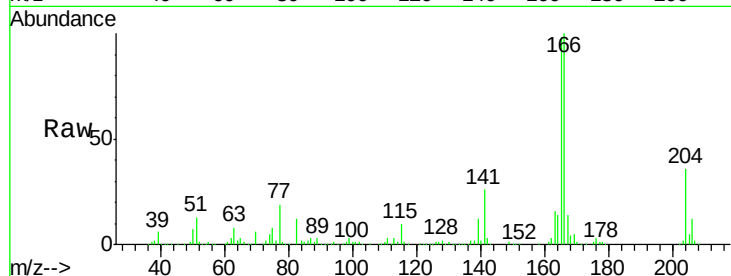
#57
 Fluorene
 Concen: 45.27 ng
 RT: 10.19 min Scan# 1411
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

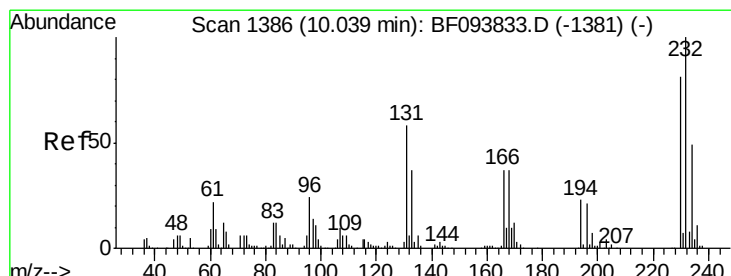
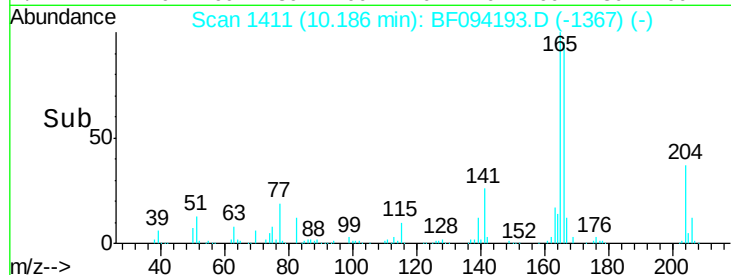
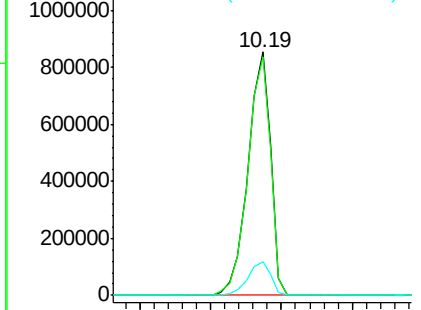
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.8	118.2
167	13.6	10.6	16.0

Manual Integrations
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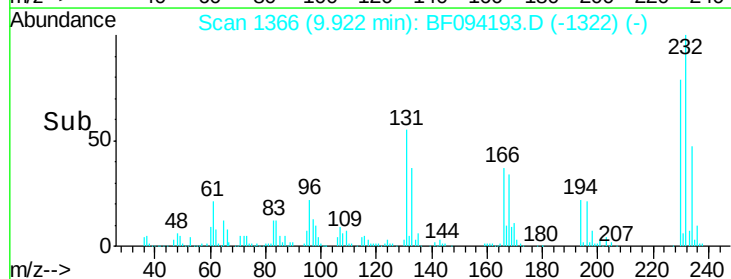
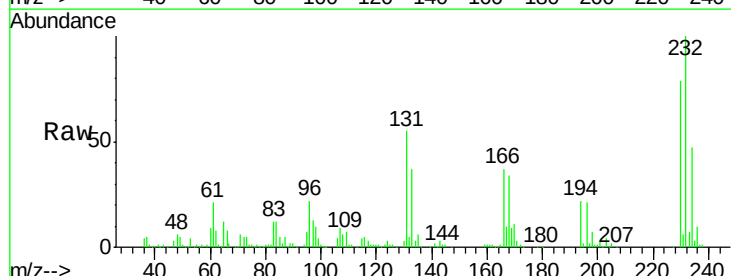
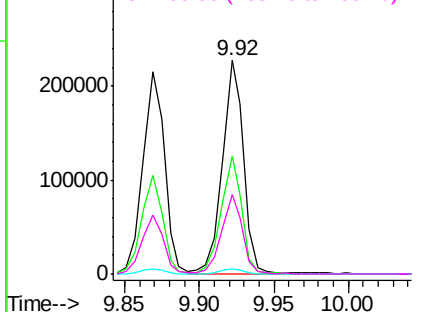
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

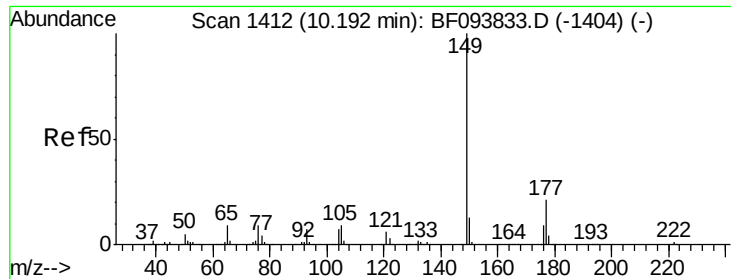


#58
 2,3,4,6-Tetrachlorophenol
 Concen: 52.04 ng
 RT: 9.92 min Scan# 1366
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
232	100		
131	53.2	44.8	67.2
130	2.5	2.3	3.5
166	37.0	29.0	43.4

Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E





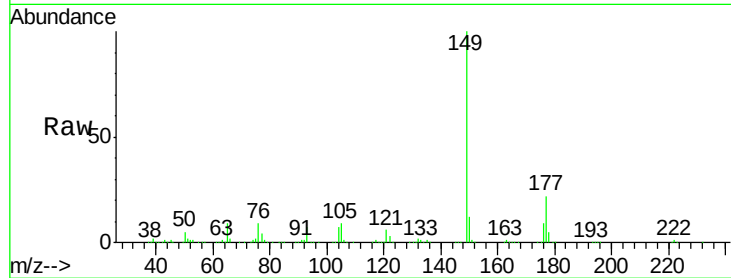
#59
Diethylphthalate
Concen: 50.01 ng
RT: 10.07 min Scan# 1392
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

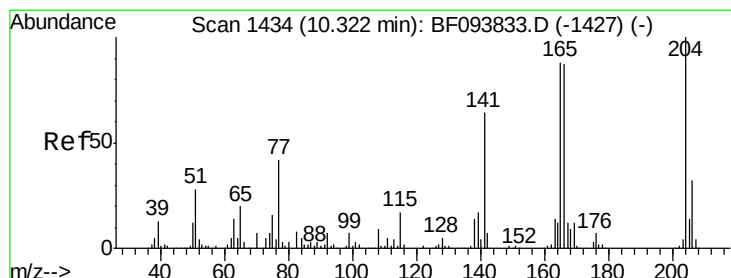
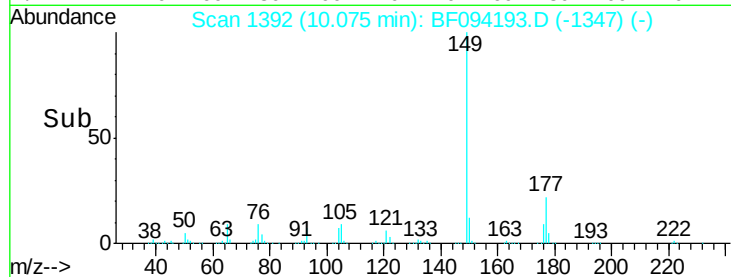
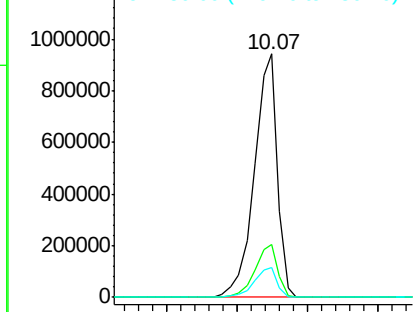
Tot Ion:149 Resp: 1077654
Ion Ratio Lower Upper
149 100
177 21.7 16.7 25.1
150 12.4 10.2 15.2

Manual Integrations
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mohammad
4/6/2017 3:38:33 PM



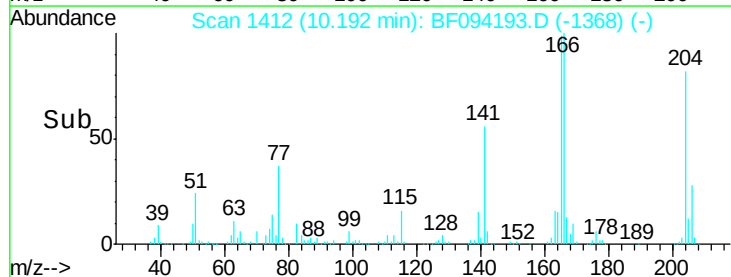
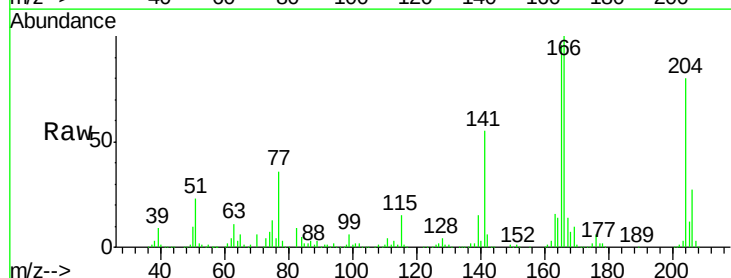
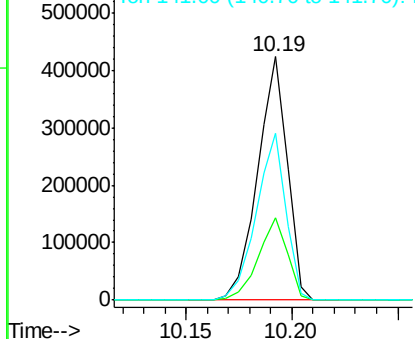
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

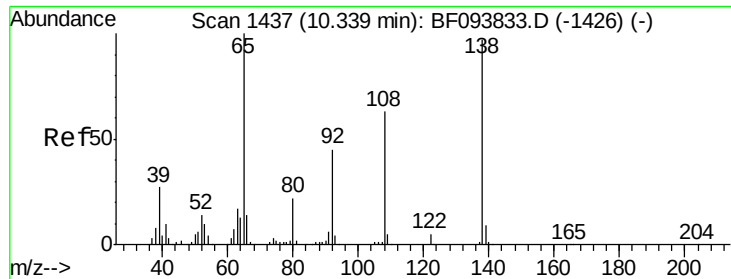


#60
4-Chlorophenyl-phenylether
Concen: 45.77 ng
RT: 10.19 min Scan# 1412
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion:204 Resp: 413350
Ion Ratio Lower Upper
204 100
206 33.8 26.2 39.2
141 68.3 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





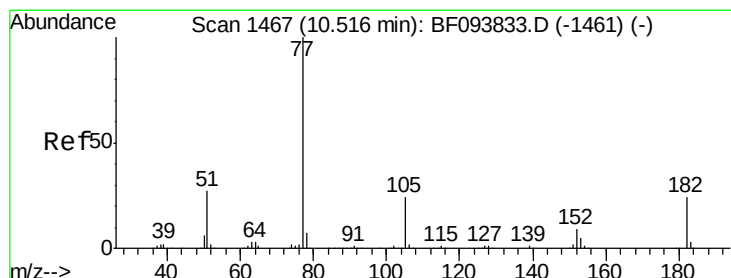
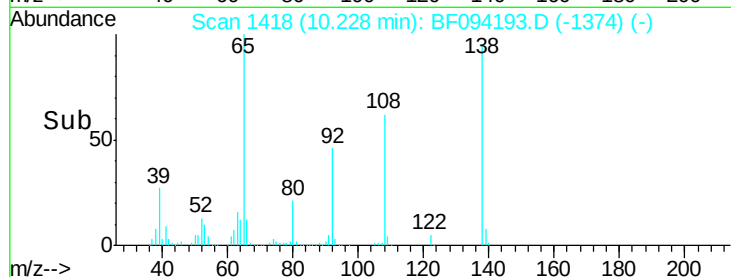
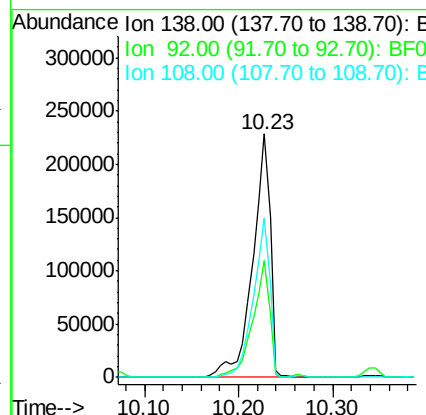
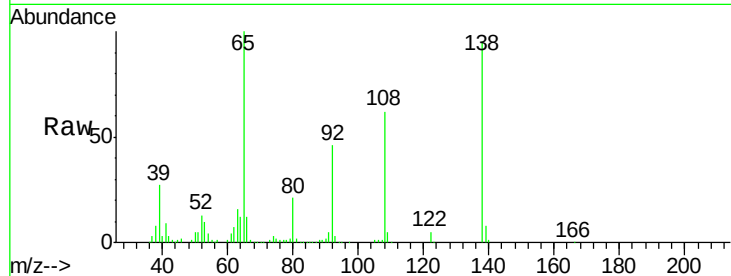
#61
4-Nitroaniline
Concen: 52.56 ng
RT: 10.23 min Scan# 1418
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	48.1	21.8	61.8
108	65.4	42.3	82.3

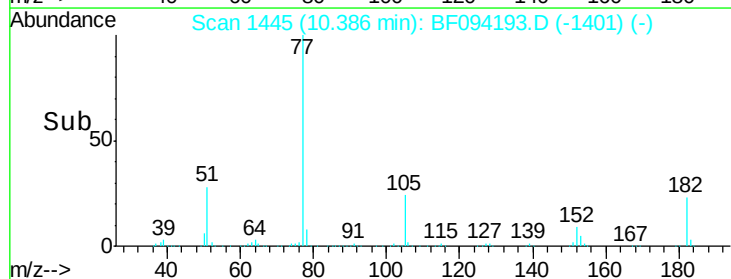
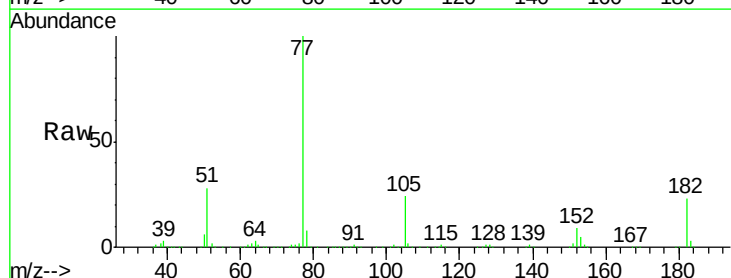
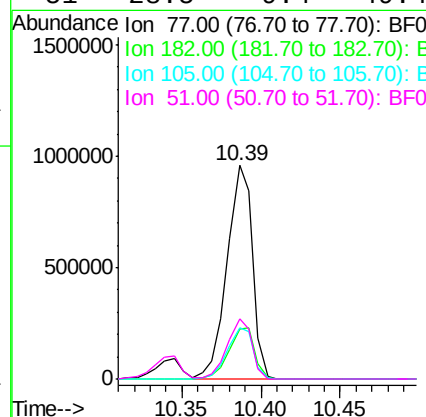
Manual Integrations
APPROVED

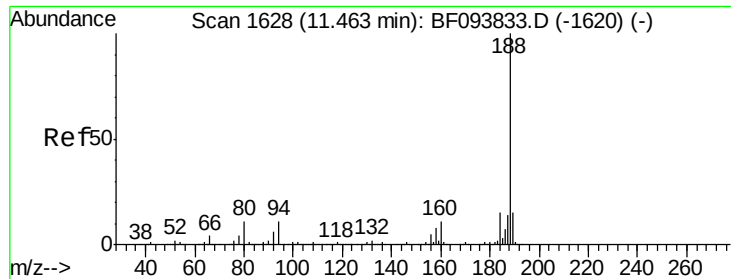
mohammad
4/6/2017 3:38:33 PM



#62
Azobenzene
Concen: 52.17 ng
RT: 10.39 min Scan# 1445
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.1	0.1	40.1
105	23.7	3.6	43.6
51	28.5	9.4	49.4





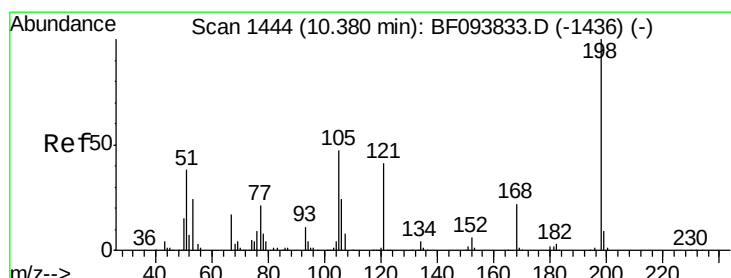
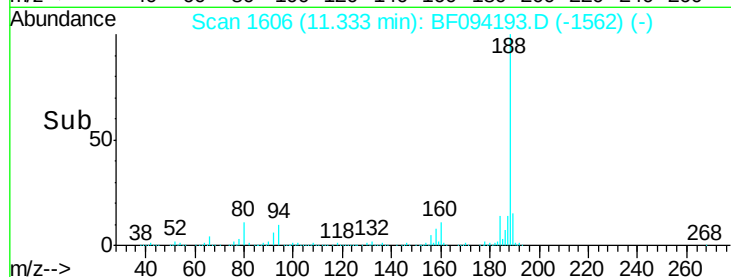
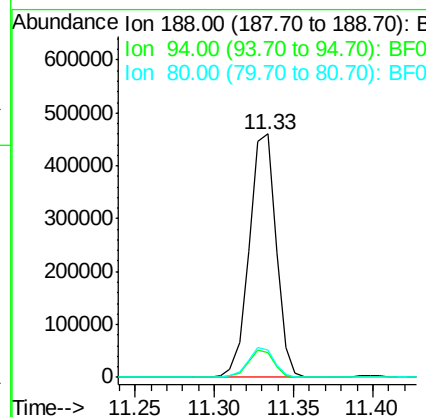
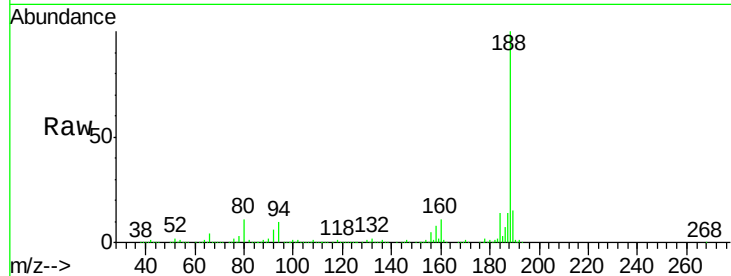
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1606
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.3		9.4	14.2
80	11.0		10.2	15.2

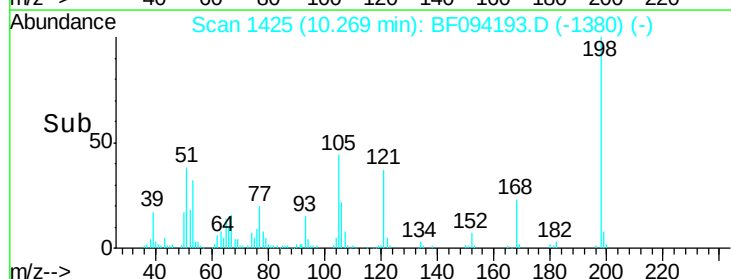
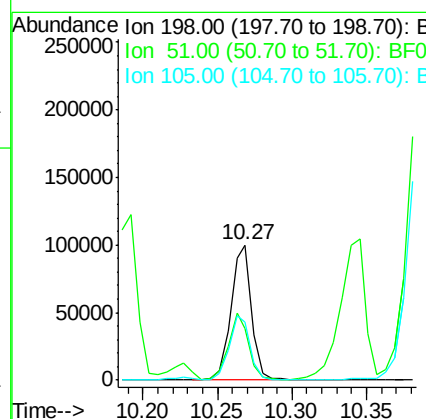
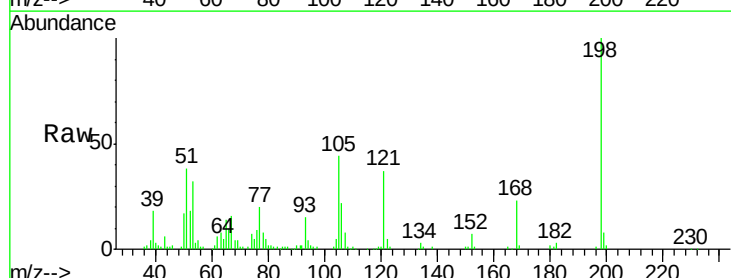
Manual Integrations
APPROVED

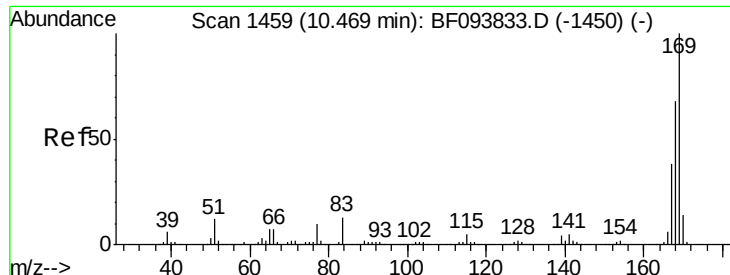
mohammad
4/6/2017 3:38:33 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 29.61 ng
RT: 10.27 min Scan# 1425
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	38.3		53.2	93.2#
105	43.5		45.8	85.8#





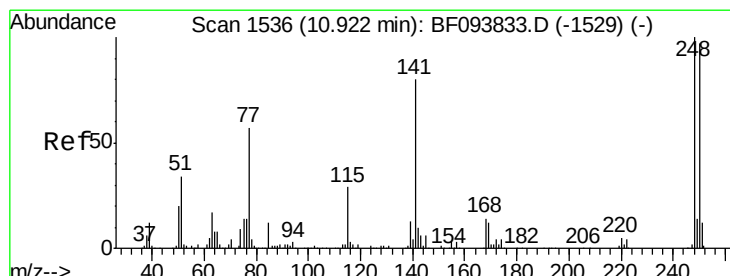
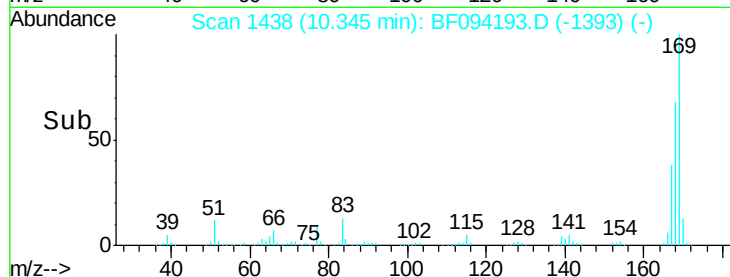
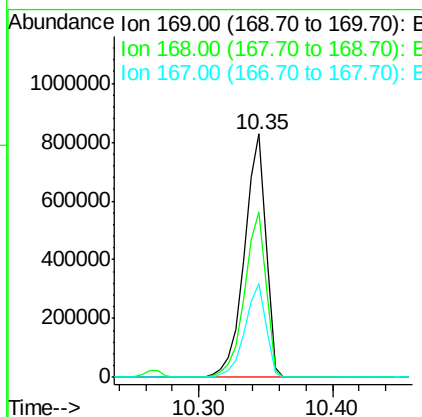
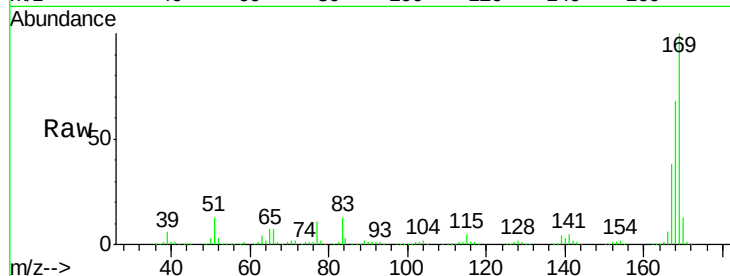
#65
 n-Nitrosodiphenylamine
 Concen: 48.98 ng
 RT: 10.35 min Scan# 1438
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	913913		
168	68.2	53.2	79.8	
167	38.3	29.5	44.3	

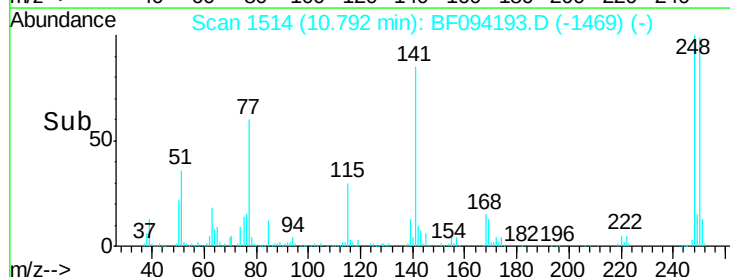
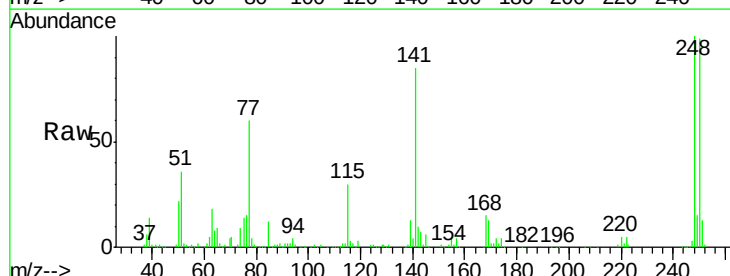
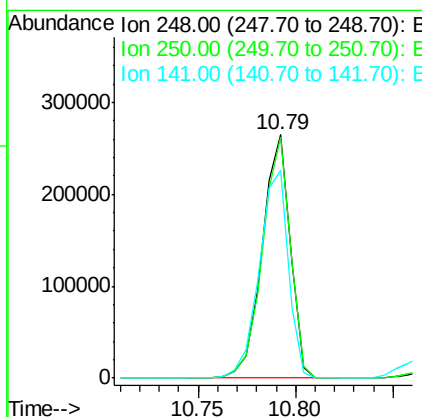
Manual Integrations
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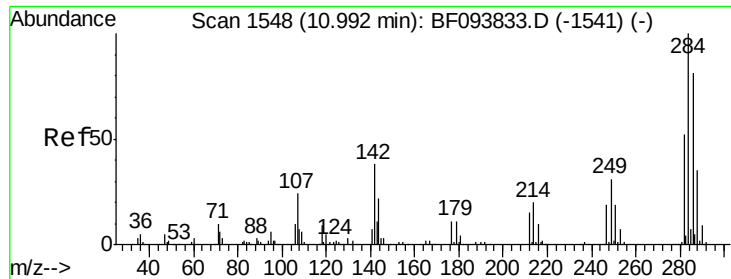
mohammad
 4/6/2017 3:38:33 PM



#66
 4-Bromophenyl-phenylether
 Concen: 49.57 ng
 RT: 10.79 min Scan# 1514
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	263080		
250	99.1	76.8	115.2	
141	85.1	68.6	103.0	





#67

Hexachlorobenzene

Concen: 50.64 ng

RT: 10.86 min Scan# 1526

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion:284 Resp: 272040

Ion Ratio Lower Upper

284 100

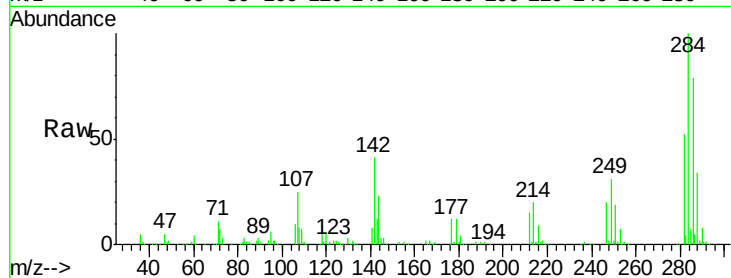
142 41.1 22.8 34.2#

249 31.1 24.0 36.0

Manual Integrations
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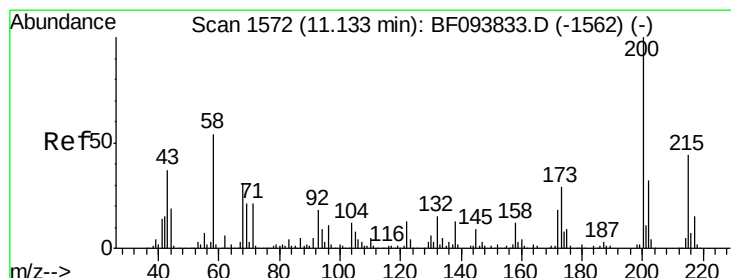
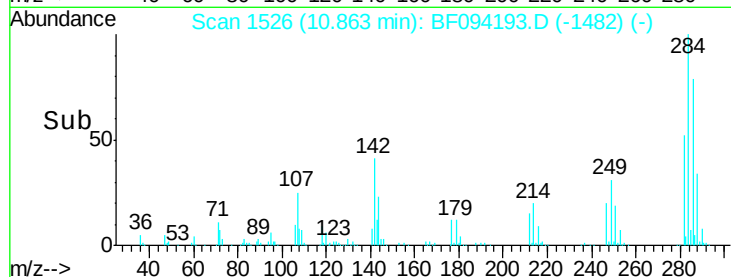
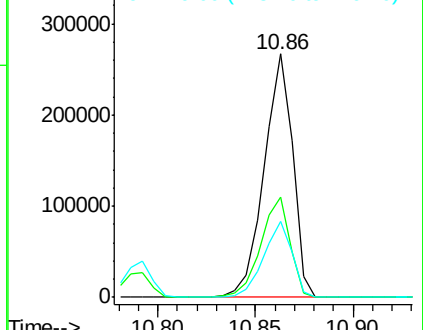
4/6/2017 3:38:33 PM



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 49.53 ng

RT: 11.02 min Scan# 1552

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

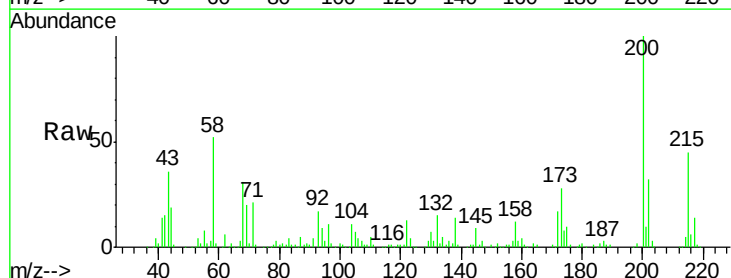
Tgt Ion:200 Resp: 276824

Ion Ratio Lower Upper

200 100

173 28.3 6.3 46.3

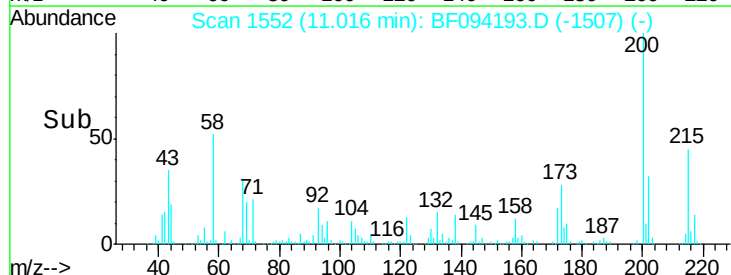
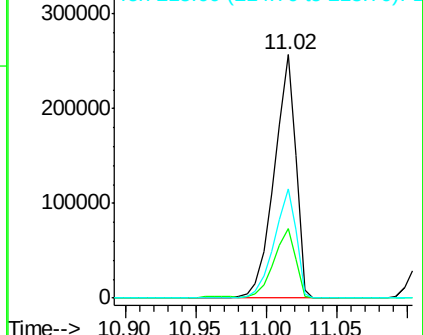
215 44.8 27.2 67.2

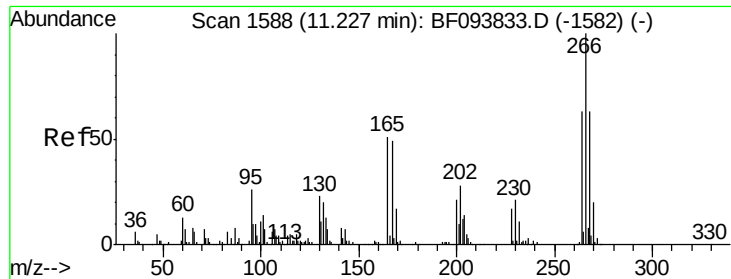


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





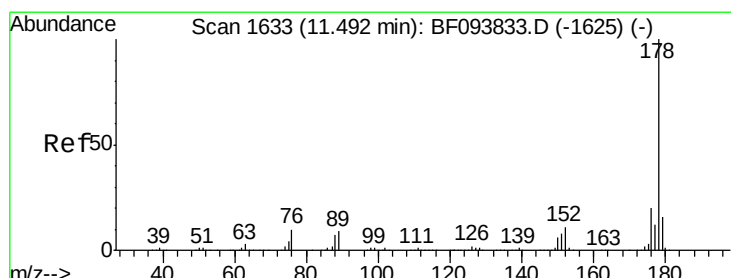
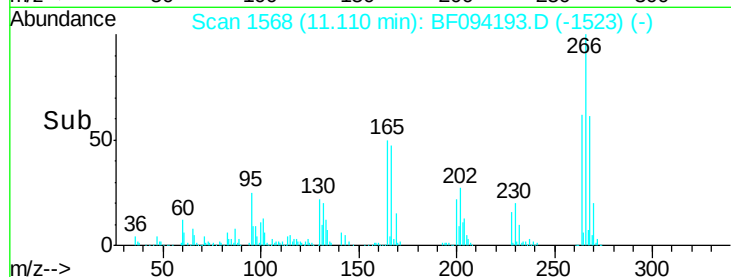
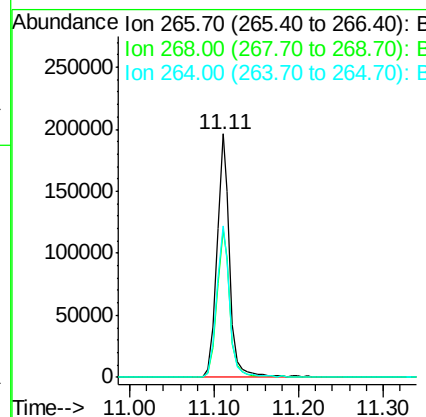
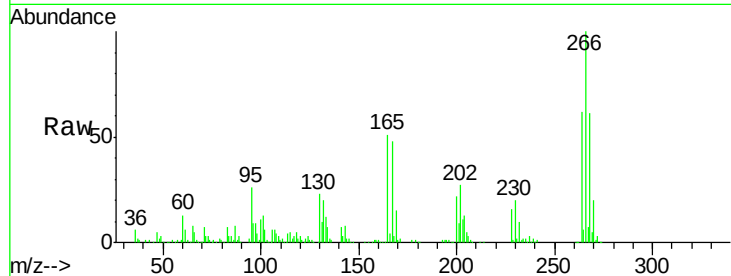
#69
 Pentachlorophenol
 Concen: 63.49 ng
 RT: 11.11 min Scan# 1568
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	212292		
268	60.8		51.1	76.7
264	62.3		51.7	77.5

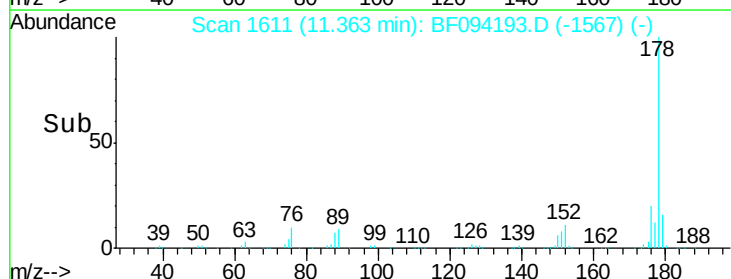
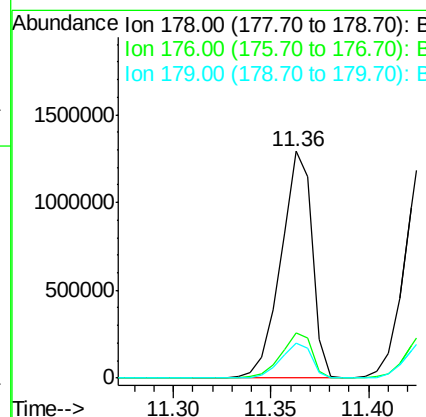
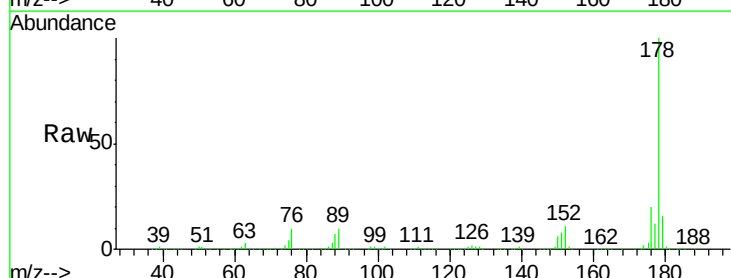
Manual Integrations
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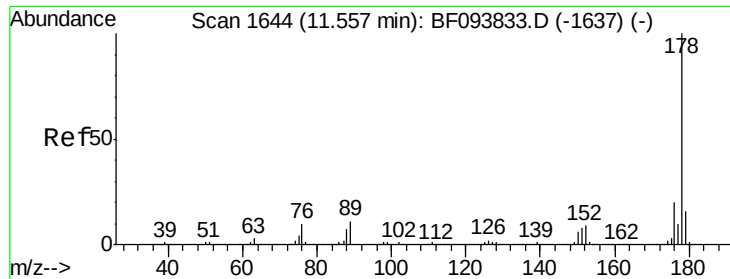
mohammad
 4/6/2017 3:38:33 PM



#70
 Phenanthrene
 Concen: 47.65 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1430236		
176	20.0		16.2	24.4
179	15.6		12.6	19.0





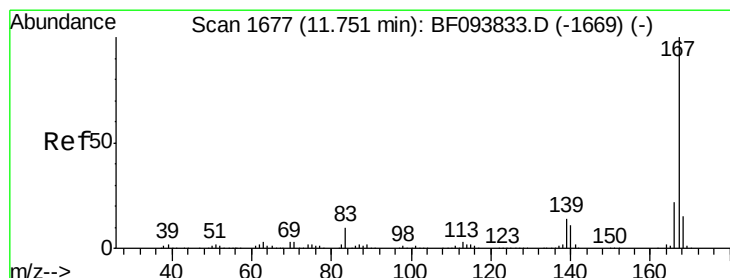
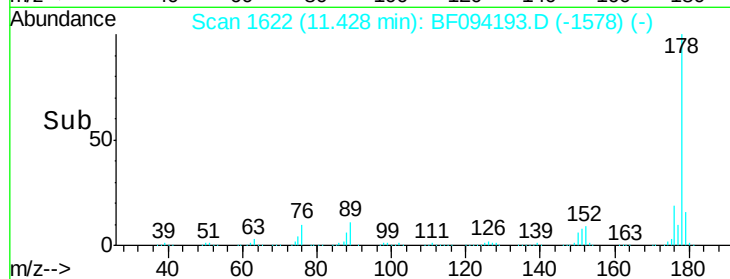
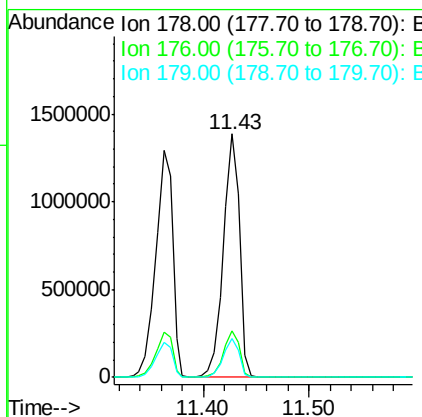
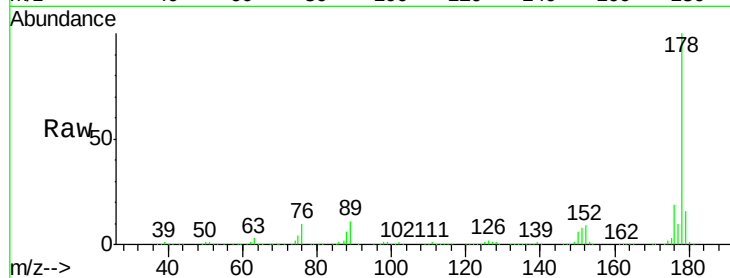
#71
 Anthracene
 Concen: 47.94 ng
 RT: 11.43 min Scan# 1622
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion:178 Resp: 1481499
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 16.0 12.7 19.1

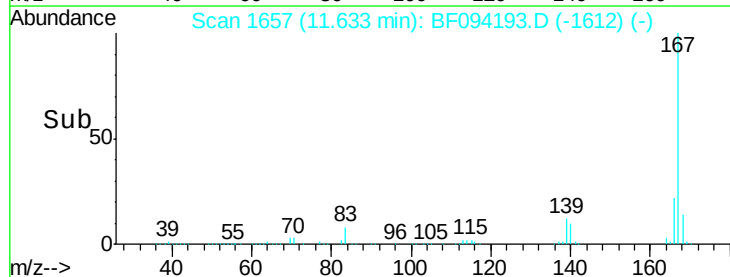
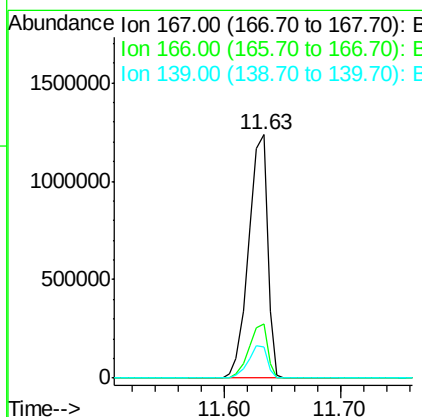
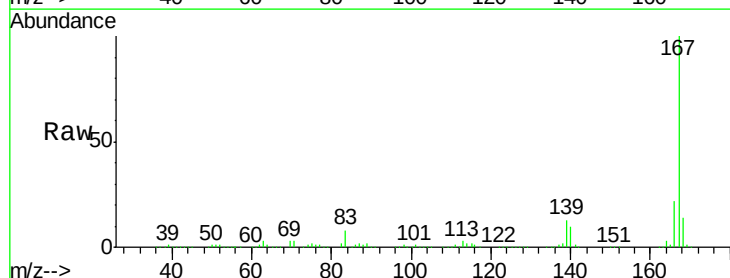
Manual Integrations
 APPROVED

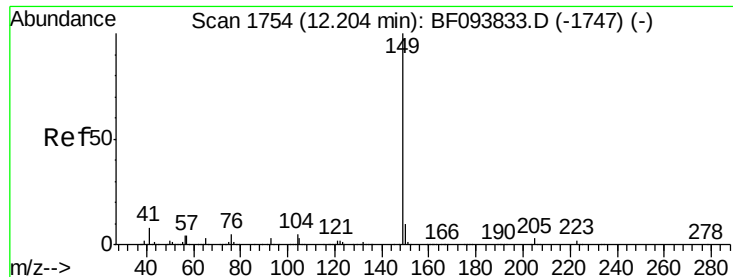
mohammad
 4/6/2017 3:38:33 PM



#72
 Carbazole
 Concen: 44.58 ng
 RT: 11.63 min Scan# 1657
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion:167 Resp: 1412820
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 13.0 11.7 17.5





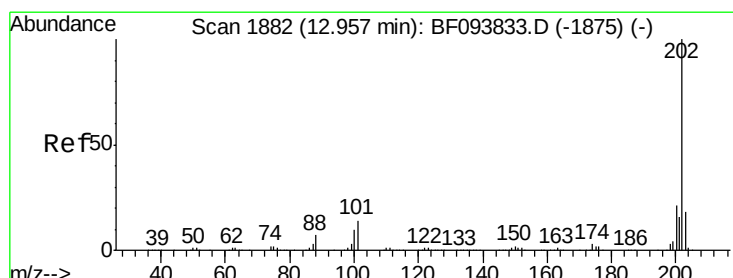
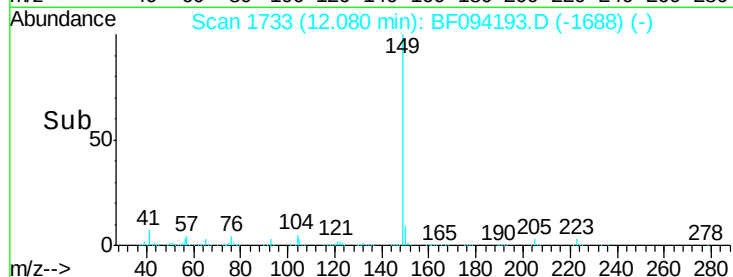
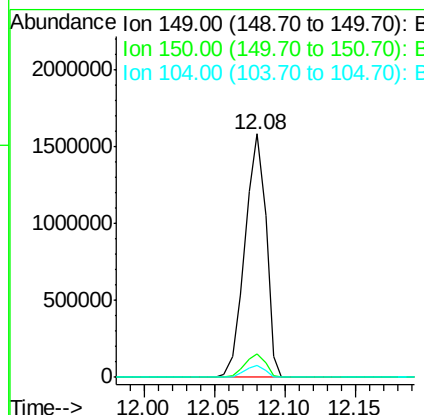
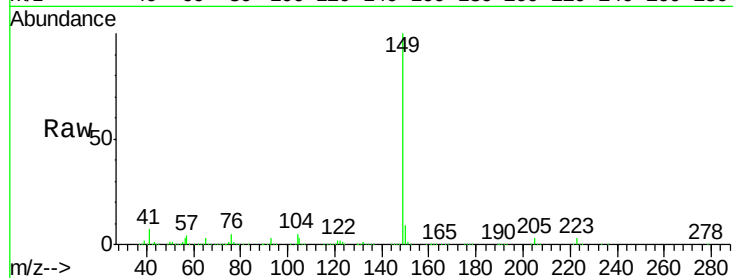
#73
Di-n-butylphthalate
Concen: 50.16 ng
RT: 12.08 min Scan# 1733
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	4.8	4.0	6.0

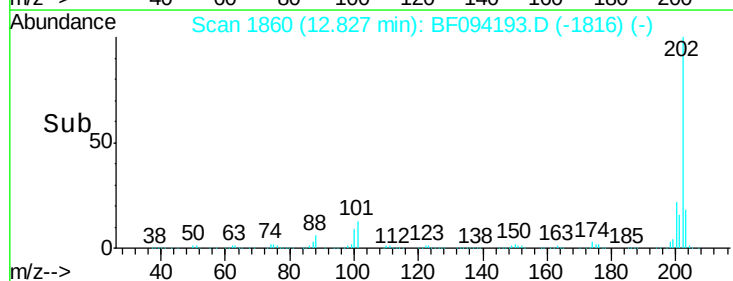
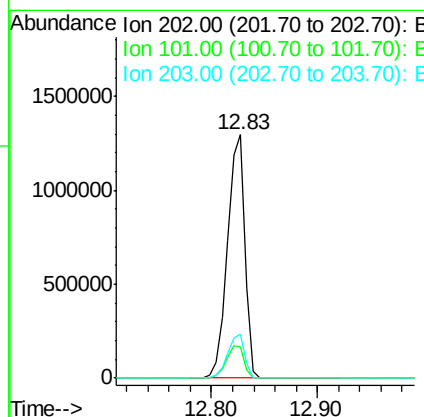
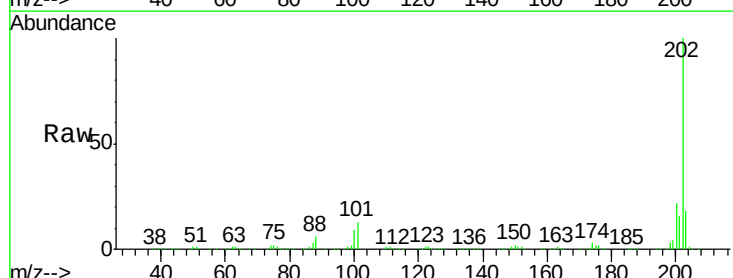
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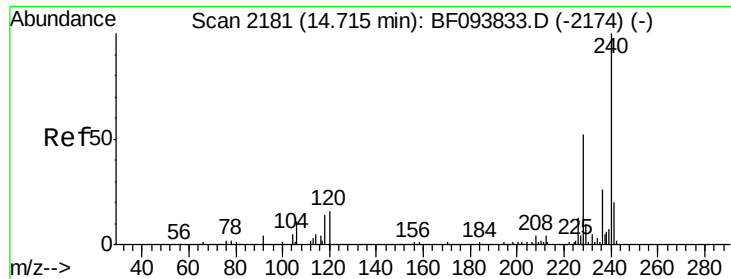
mohammad
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#74
Fluoranthene
Concen: 47.80 ng
RT: 12.83 min Scan# 1860
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.59 min Scan# 2159

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion:240 Resp: 416323

Ion Ratio Lower Upper

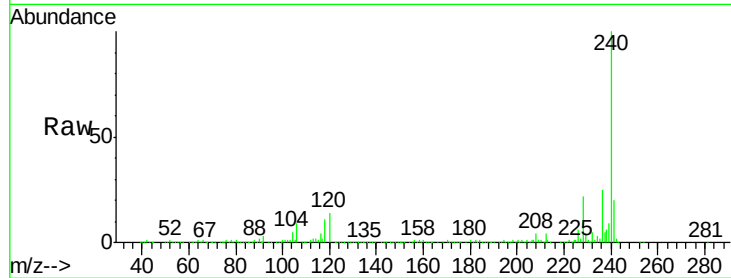
240 100

120 13.6 5.8 8.8#

236 25.4 20.5 30.7

Manual Integrations
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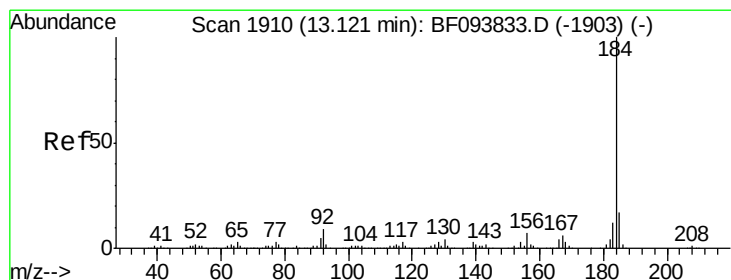
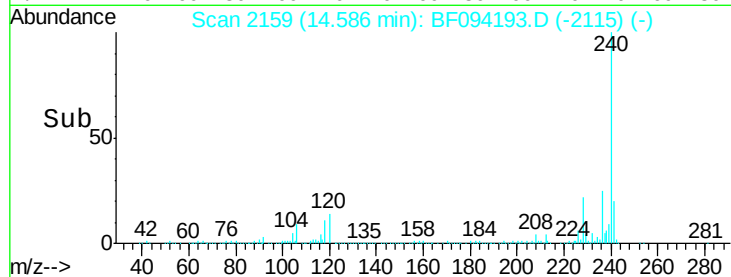
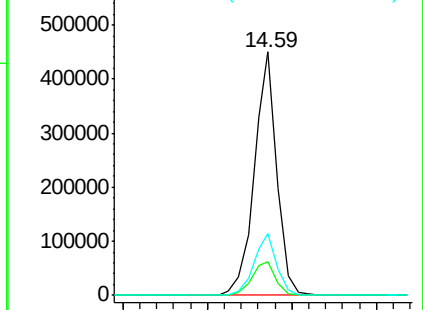
mohammad
4/6/2017 3:38:33 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 11.40 ng

RT: 12.99 min Scan# 1887

Delta R.T. -0.05 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Tgt Ion:184 Resp: 187921

Ion Ratio Lower Upper

184 100

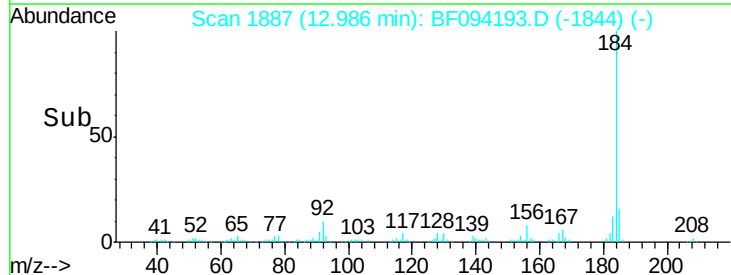
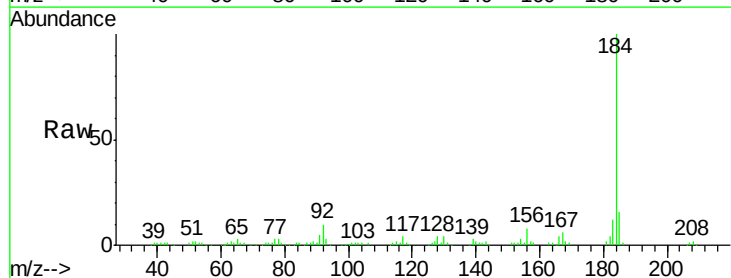
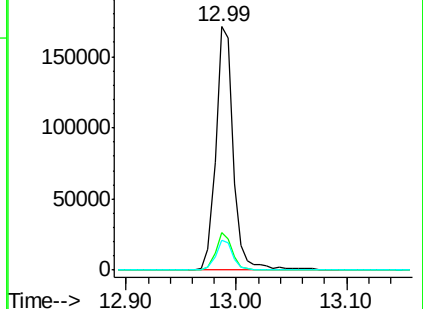
185 15.7 15.5 23.3

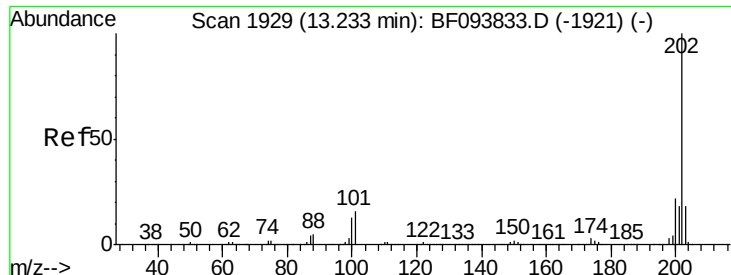
183 12.2 9.8 14.6

Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





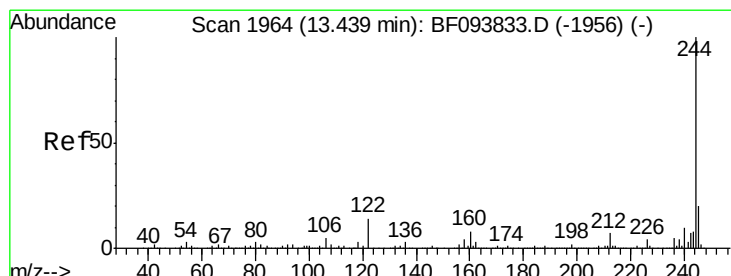
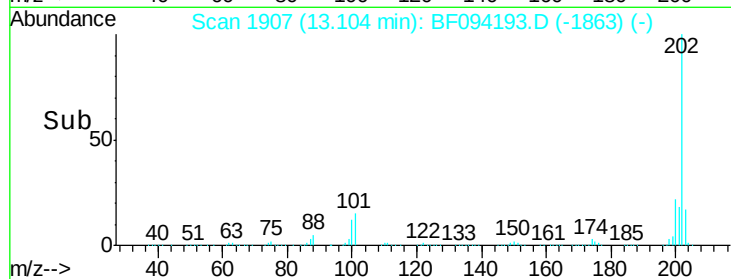
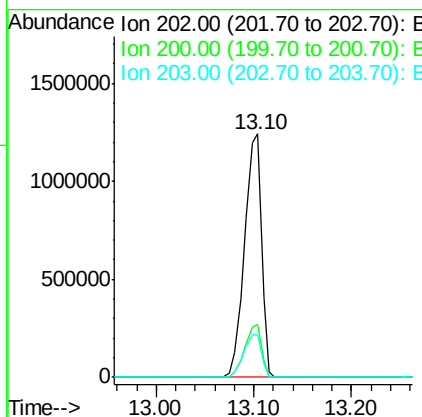
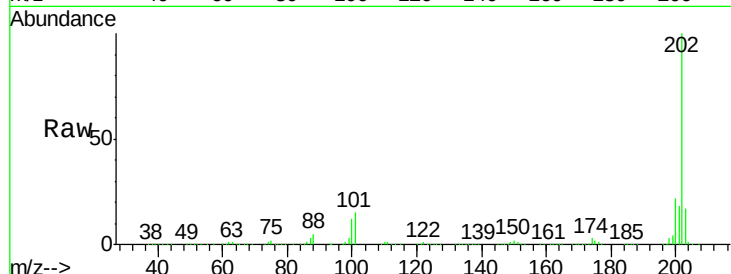
#77
Pvrene
Concen: 49.80 ng
RT: 13.10 min Scan# 1907
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.3	14.4	21.6

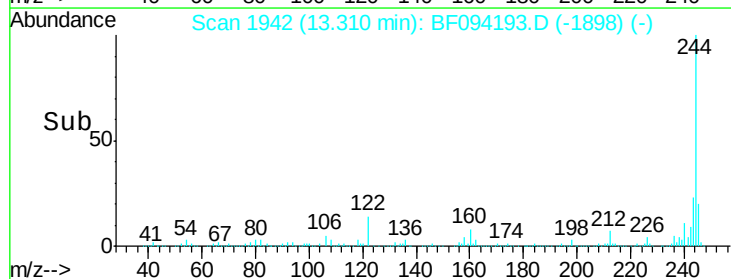
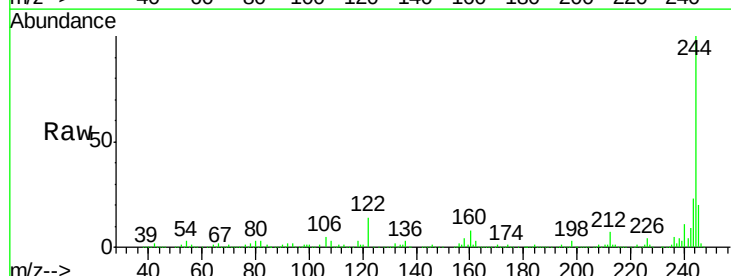
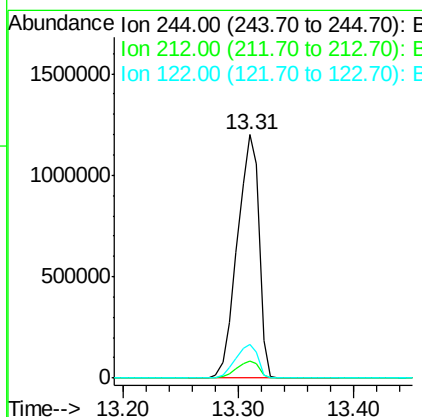
Manual Integrations
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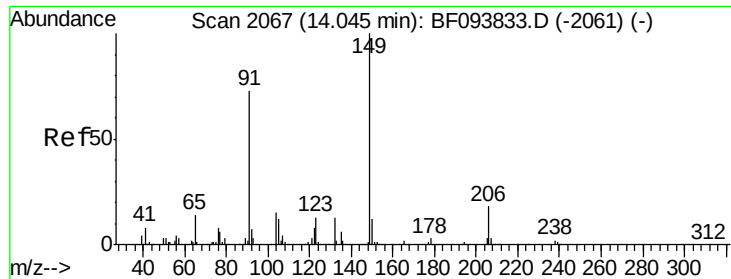
mohammad
4/6/2017 3:38:33 PM



#78
Terphenyl-d14
Concen: 83.81 ng
RT: 13.31 min Scan# 1942
Delta R.T. -0.04 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.9	10.3	15.5





#79

Butylbenzylphthalate

Concen: 54.86 ng

RT: 13.92 min Scan# 2045

Delta R.T. -0.04 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

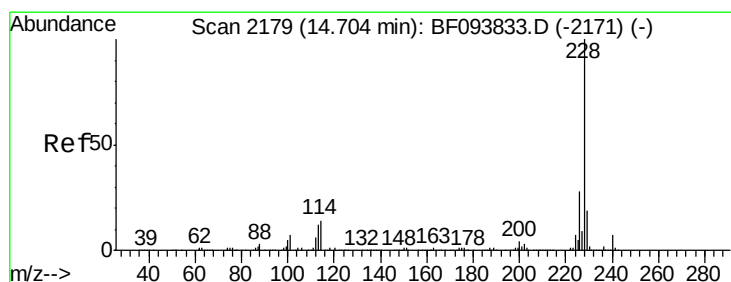
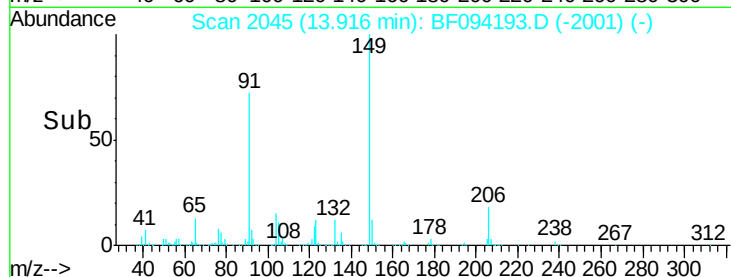
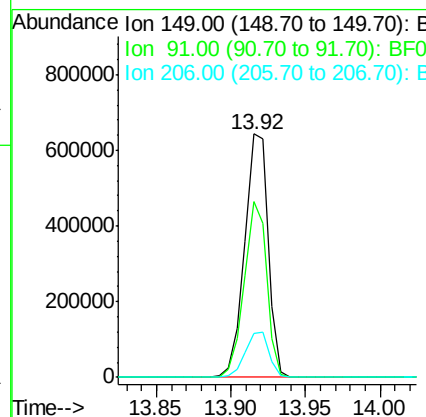
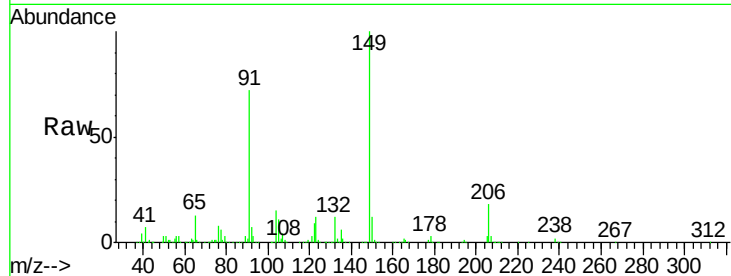
ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion:	149	Resp:	706250
Ion Ratio	Lower	Upper	
149	100		
91	72.0	45.0	67.4#
206	17.9	17.0	25.6

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 49.73 ng

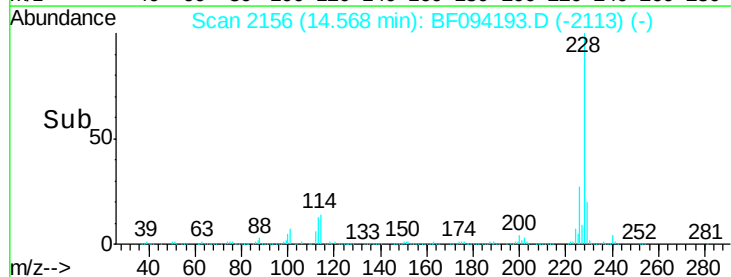
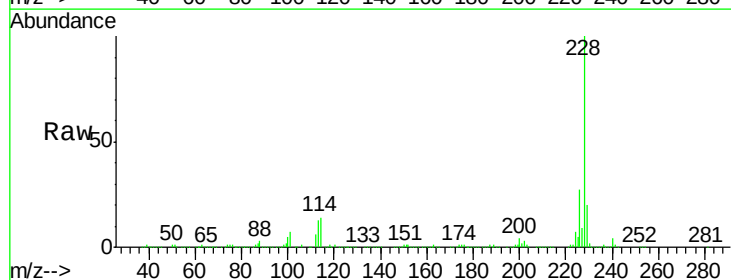
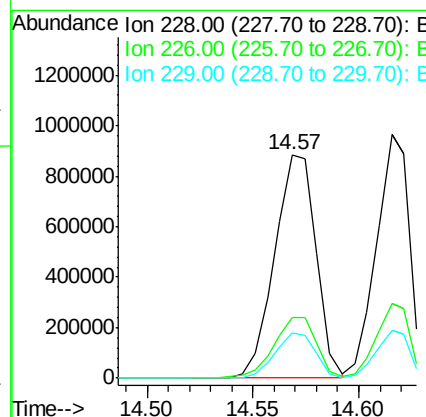
RT: 14.57 min Scan# 2156

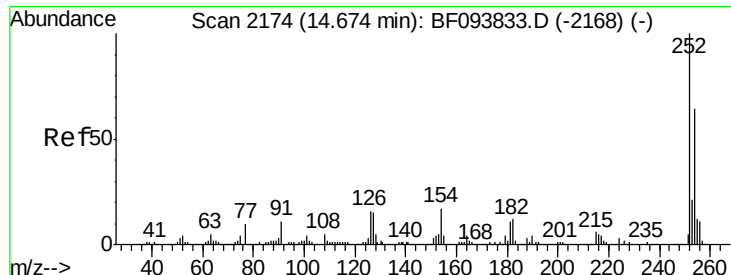
Delta R.T. -0.05 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Tgt Ion:	228	Resp:	1207316
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.6	33.8
229	20.0	16.3	24.5





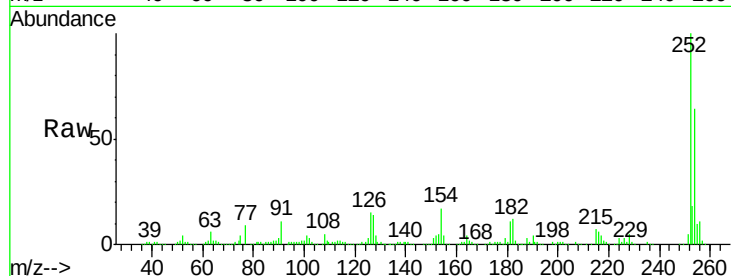
#81
 3,3'-Dichlorobenzidine
 Concen: 41.05 ng
 RT: 14.54 min Scan# 2152
 Delta R.T. -0.05 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

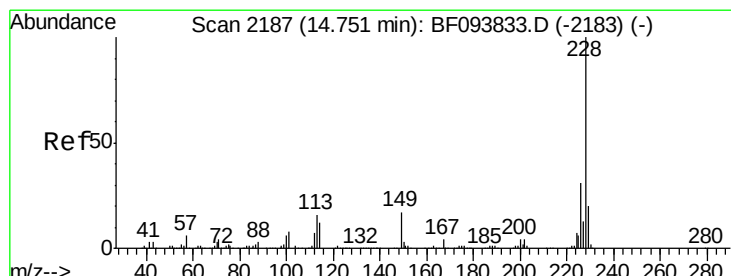
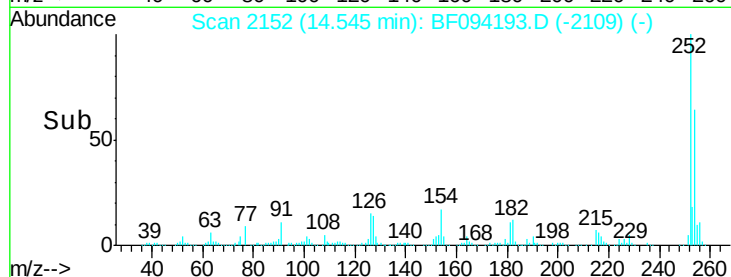
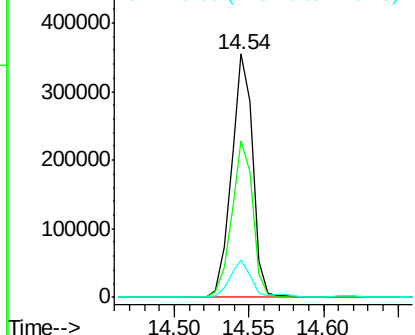
Tot Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	15.3	15.8	23.8

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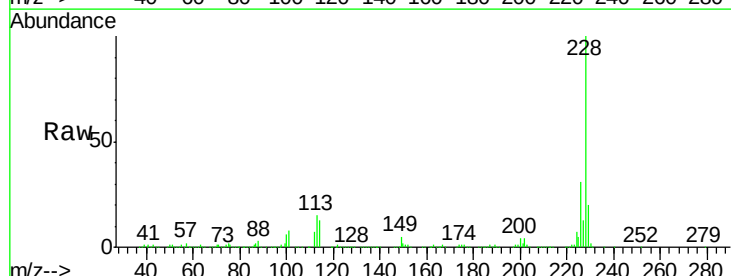


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

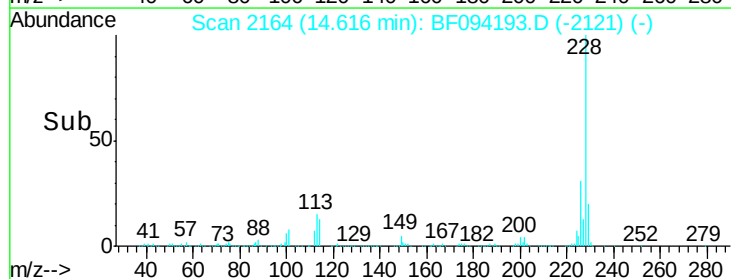
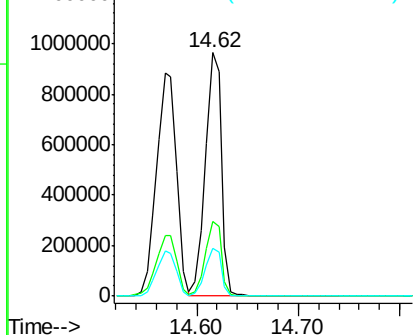


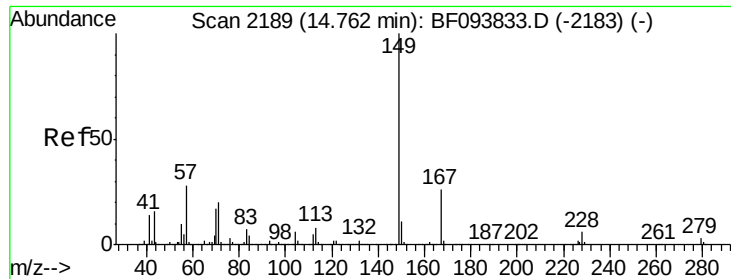
#82
 Chrysene
 Concen: 47.11 ng
 RT: 14.62 min Scan# 2164
 Delta R.T. -0.05 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	19.7	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





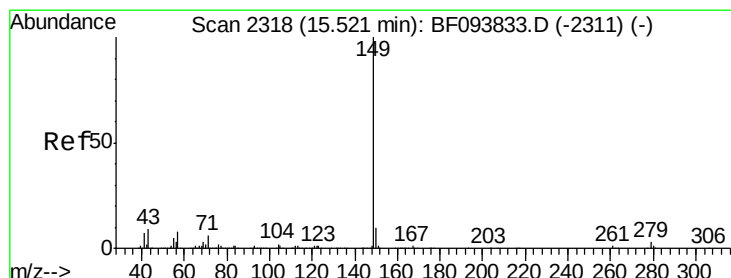
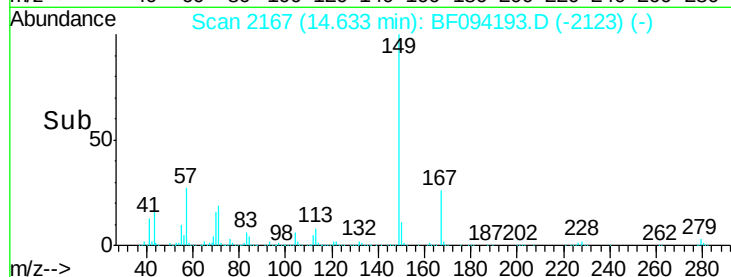
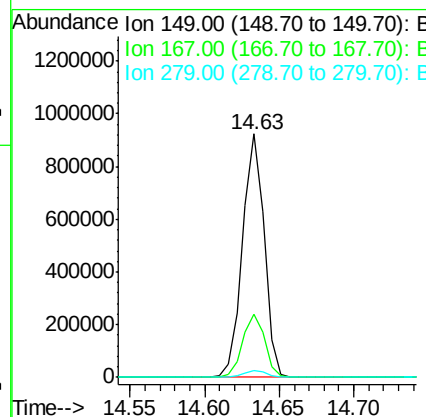
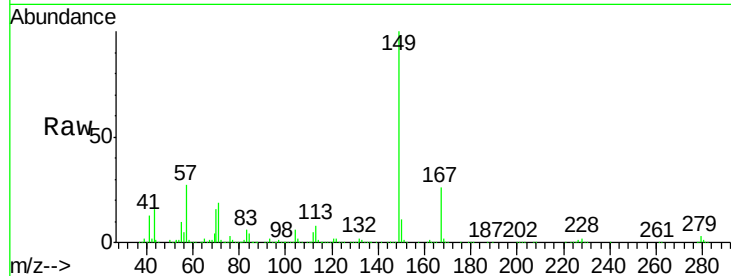
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.59 ng
 RT: 14.63 min Scan# 2167
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

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

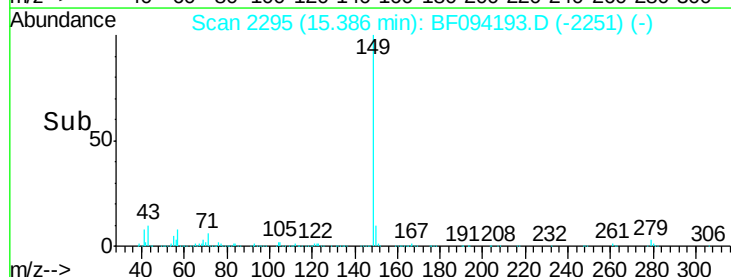
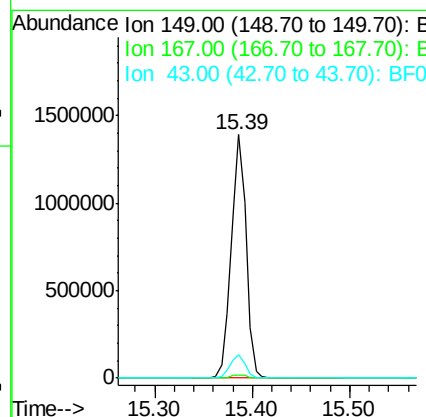
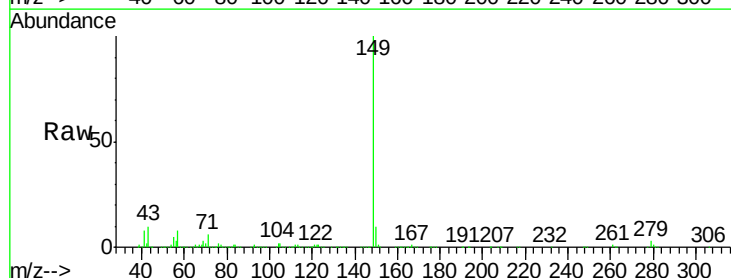
Manual Integrations
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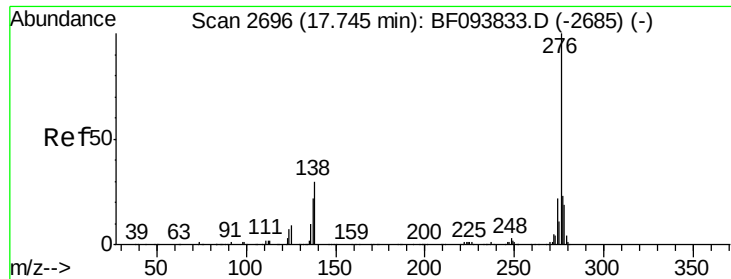
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 49.96 ng
 RT: 15.39 min Scan# 2295
 Delta R.T. -0.04 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.7	8.5	12.7





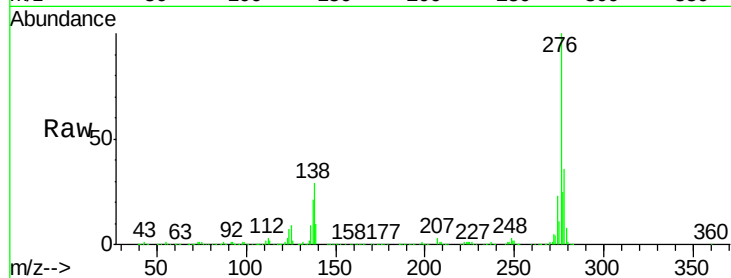
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.34 ng
 RT: 17.54 min Scan# 2661
 Delta R.T. -0.07 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

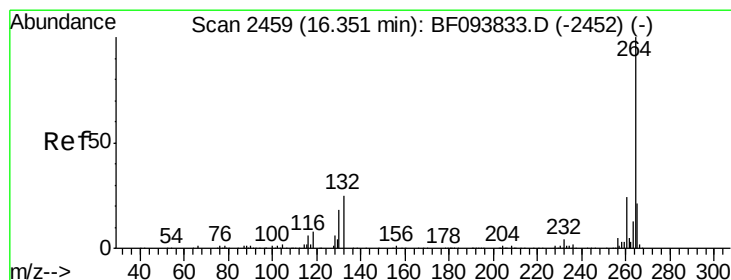
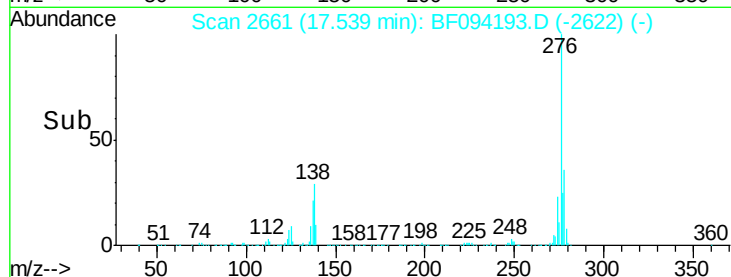
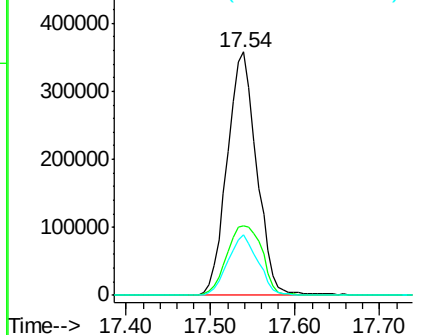
Tot Ion	Ratio	Lower	Upper
276	100		
138	34.6	27.8	41.6
277	25.4	20.2	30.4

Manual Integrations
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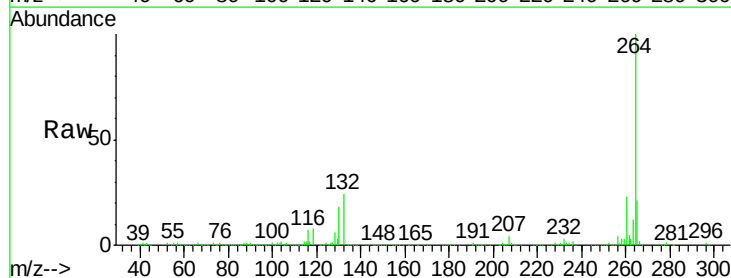


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

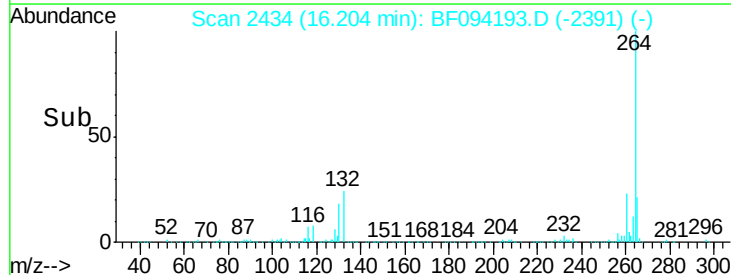
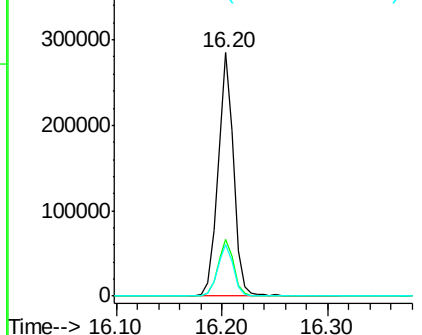


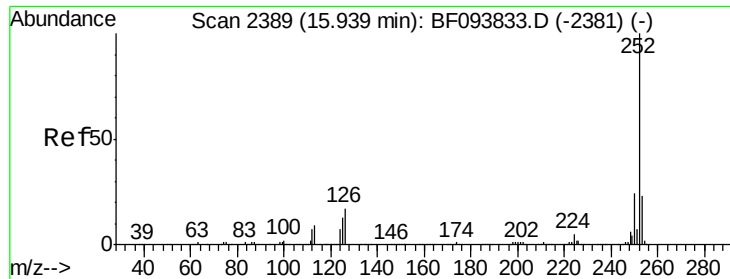
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 2434
 Delta R.T. -0.05 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.0	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 50.71 ng

RT: 15.80 min Scan# 2366

Delta R.T. -0.05 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Instrument :

BNA_F

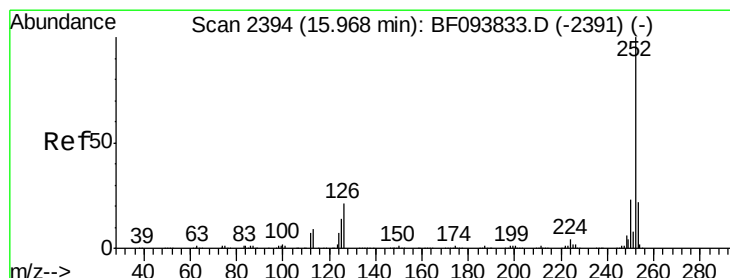
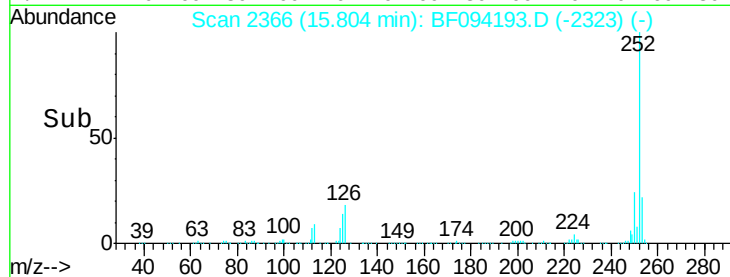
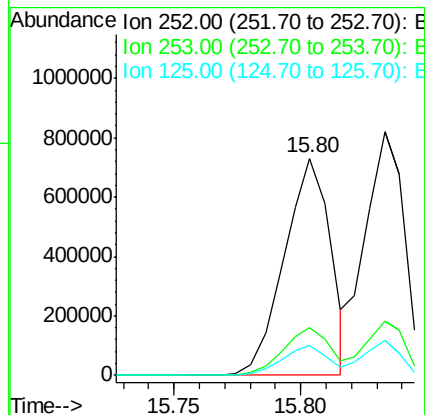
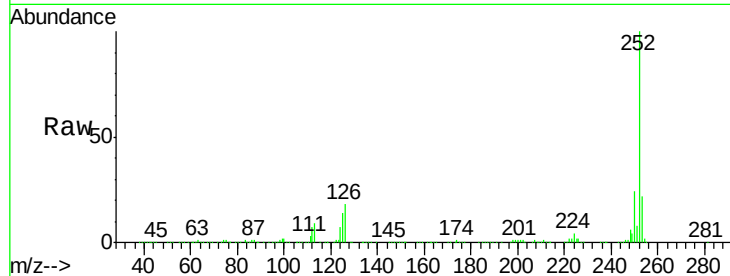
ClientSampleId :

CEMETERY-3(0-7)MSD

Tot Ion:	252	Resp:	926497
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	13.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 50.32 ng

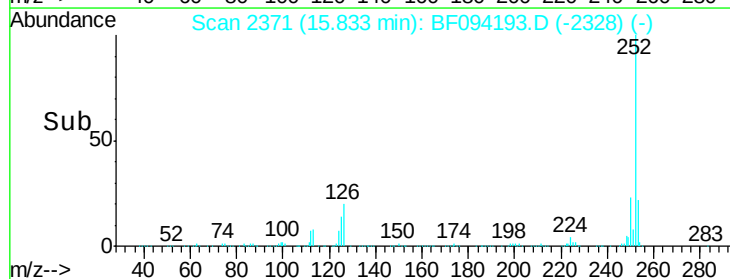
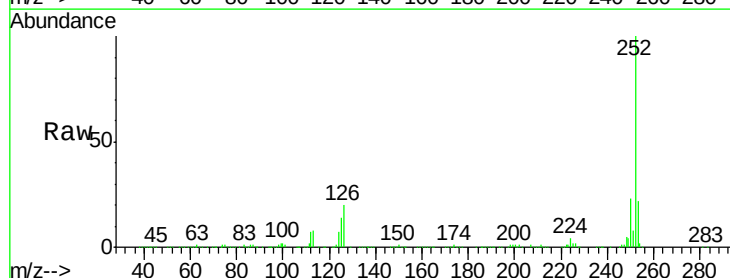
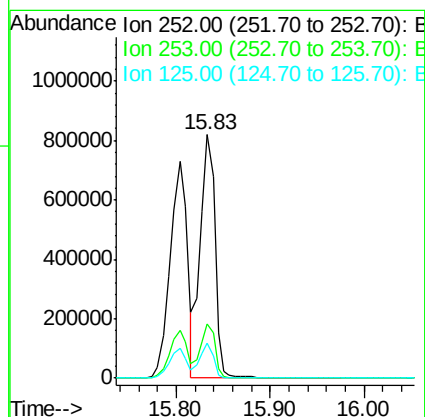
RT: 15.83 min Scan# 2371

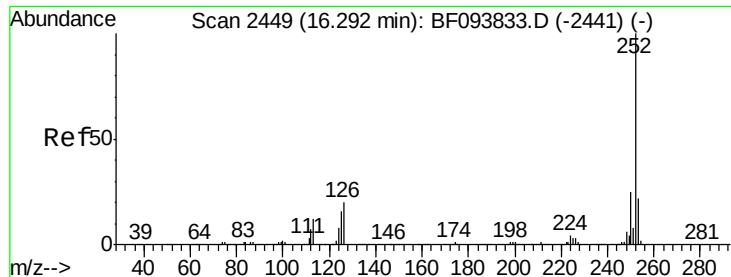
Delta R.T. -0.05 min

Lab File: BF094193.D

Acq: 5 Apr 2017 17:01

Tgt Ion:	252	Resp:	899480
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.4	27.6
125	14.1	13.1	19.7





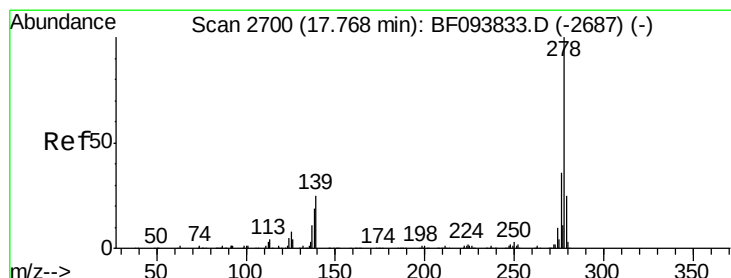
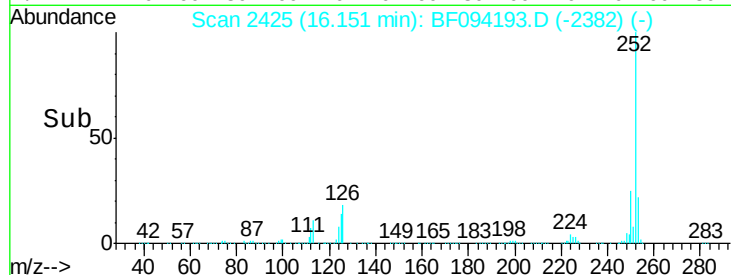
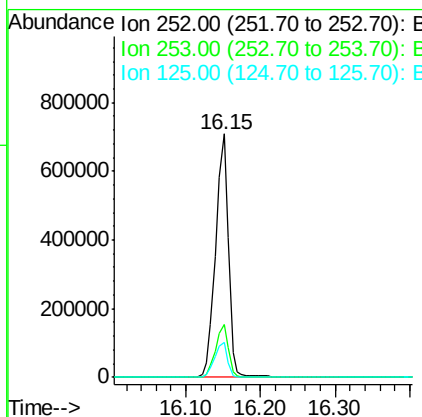
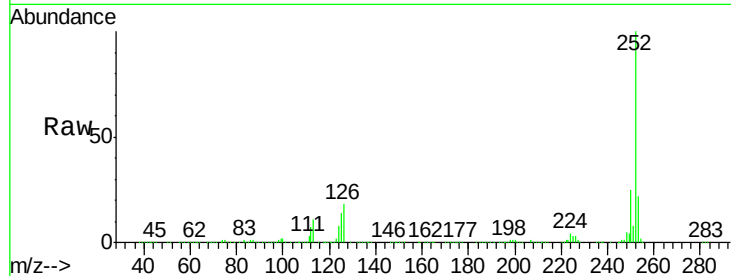
#89
Benzo(a)pyrene
Concen: 50.13 ng
RT: 16.15 min Scan# 2425
Delta R.T. -0.05 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :
CEMETERY-3(0-7)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	14.3	11.0	16.4

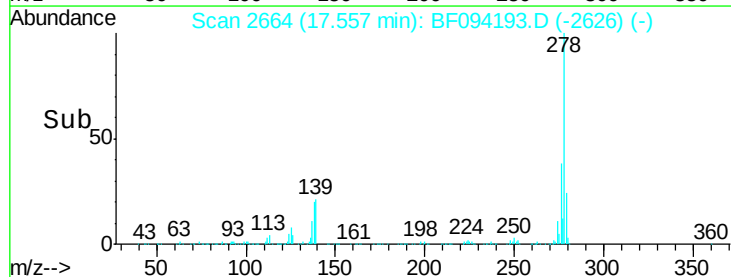
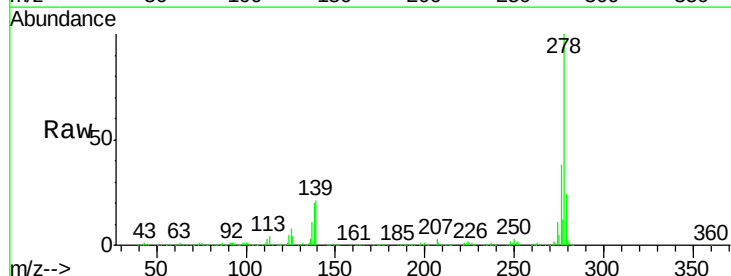
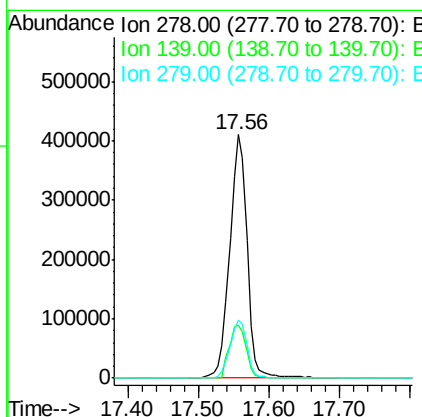
Manual Integrations
APPROVED

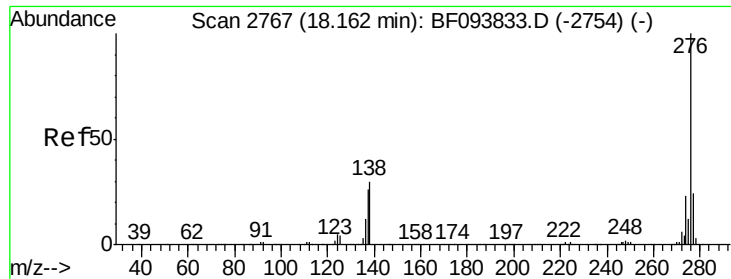
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 49.52 ng
RT: 17.56 min Scan# 2664
Delta R.T. -0.08 min
Lab File: BF094193.D
Acq: 5 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.5	16.6	24.8
279	24.0	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 50.90 ng
 RT: 17.93 min Scan# 2728
 Delta R.T. -0.08 min
 Lab File: BF094193.D
 Acq: 5 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :
 CEMETERY-3(0-7)MSD

Tot Ion:	276	Resp:	730919
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.6	28.0
138	28.5	25.4	38.0

Manual Integrations
 APPROVED

mohammad
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