

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096727.D
 Acq On : 13 Jul 2017 14:58
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 1PPM LOD
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Manual Integrations
 APPROVED

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Quant Time: Jul 14 16:22:50 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	112508	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	476640	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	209203	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	368737	20.00	ng	0.00
75) Chrysene-d12	13.77	240	273032	20.00	ng	0.00
86) Perylene-d12	15.15	264	185319	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	913839	122.13	ng	0.00
7) Phenol-d6	6.28	99	1094473	121.89	ng	0.00
23) Nitrobenzene-d5	7.20	82	745360	96.86	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	218362	122.28	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1196033	90.33	ng	0.00
78) Terphenyl-d14	12.73	244	997934	63.39	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.29	93	10691	0.967	ng	# 45
8) 2-Chlorophenol	6.42	128	8162	1.011	ng	# 76
9) Benzaldehyde	6.18	77	3877	0.747	ng	86
10) Phenol	6.29	94	10653	1.049	ng	85
11) bis(2-Chloroethyl)ether	6.37	93	7447	0.976	ng	# 82
12) 1,3-Dichlorobenzene	6.57	146	8925	1.040	ng	97
13) 1,4-Dichlorobenzene	6.65	146	9123	1.050	ng	91
14) 1,2-Dichlorobenzene	6.80	146	8316m	1.052	ng	
15) Benzyl Alcohol	6.79	79	17069	2.903	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	6.92	45	16662	1.058	ng	91
18) Hexachloroethane	7.15	117	2904	0.942	ng	84
24) Nitrobenzene	7.21	77	10578	1.329	ng	96
31) Naphthalene	7.93	128	23046	1.021	ng	# 94
34) Hexachlorobutadiene	8.06	225	3386	1.012	ng	96
37) 2-Methylnaphthalene	8.63	142	15551	1.080	ng	93
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	5786	1.023	ng	97
45) 1,1'-Biphenyl	9.09	154	22947	1.279	ng	94
46) 2-Chloronaphthalene	9.11	162	14762	1.117	ng	91
47) 2-Nitroaniline	9.20	65	4270	0.940	ng	# 83
48) Acenaphthylene	9.52	152	22344	1.061	ng	99
49) Dimethylphthalate	9.39	163	17321	1.100	ng	96
50) 2,6-Dinitrotoluene	9.45	165	3262	0.956	ng	# 81
51) Acenaphthene	9.70	154	13892	1.117	ng	96
54) Dibenzofuran	9.87	168	19747	1.133	ng	# 91
57) Fluorene	10.21	166	16580	1.288	ng	97
58) 2,3,4,6-Tetrachlorophenol	9.99	232	2474	0.848	ng	# 92
59) Diethylphthalate	10.09	149	16441	1.072	ng	96
62) Azobenzene	10.37	77	14132	1.045	ng	91
65) n-Nitrosodiphenylamine	10.32	169	13275	1.007	ng	90
66) 4-Bromophenyl-phenylether	10.69	248	3560	0.946	ng	97
67) Hexachlorobenzene	10.76	284	4267	1.018	ng	100
68) Atrazine	10.85	200	3367	0.897	ng	86
70) Phenanthrene	11.16	178	22631	1.129	ng	99
71) Anthracene	11.22	178	20520	1.012	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) Carbazole	11.37	167	21475	1.094	ng	96
73) Di-n-butylphthalate	11.72	149	25503	1.043	ng	99
74) Fluoranthene	12.35	202	21118	1.100	ng	97
77) Pyrene	12.57	202	22206	0.896	ng	96
79) Butylbenzylphthalate	13.20	149	10205	1.734	ng #	83
80) Benzo(a)anthracene	13.76	228	17313	1.018	ng	95
82) Chrysene	13.79	228	16833	1.005	ng	100
83) Bis(2-ethylhexyl)phthalate	13.77	149	14804	1.033	ng #	95
84) Di-n-octyl phthalate	14.38	149	21157	0.893	ng #	79
85) Indeno(1,2,3-cd)pyrene	16.45	276	13413	4.161	ng #	91
87) Benzo(b)fluoranthene	14.77	252	13530	1.211	ng	95
88) Benzo(k)fluoranthene	14.79	252	12512m	1.182	ng	
89) Benzo(a)pyrene	15.09	252	11027	1.076	ng #	95
90) Dibenzo(a,h)anthracene	16.47	278	11433	1.212	ng #	88
91) Benzo(g,h,i)perylene	16.84	276	11592	1.148	ng	98

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

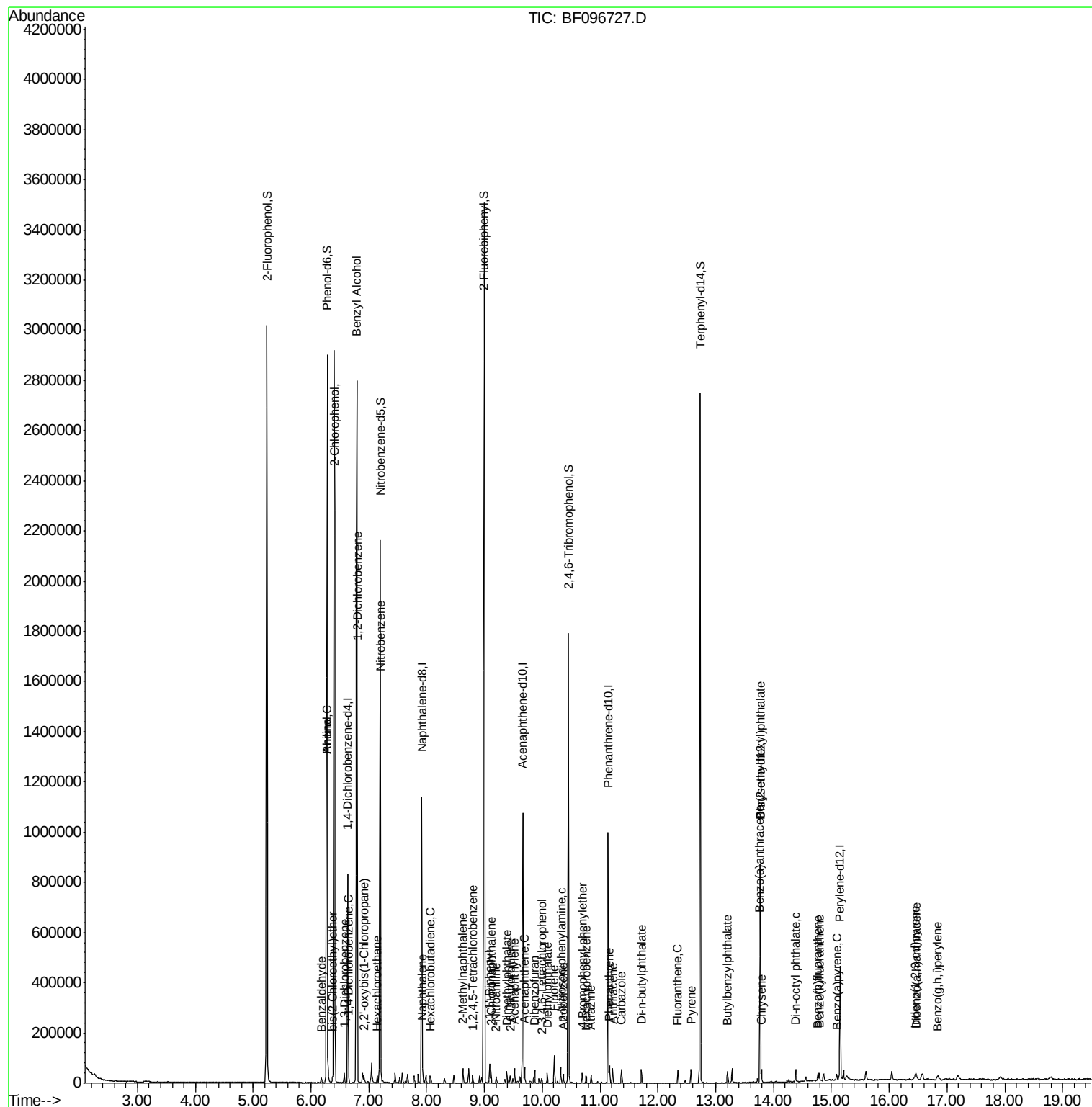
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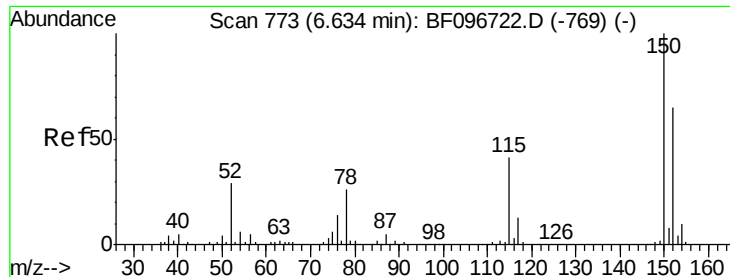
Instrument :
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LOD-SOIL-01-QT3-2017

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#1

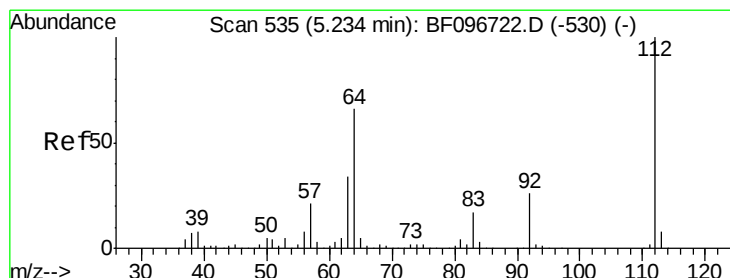
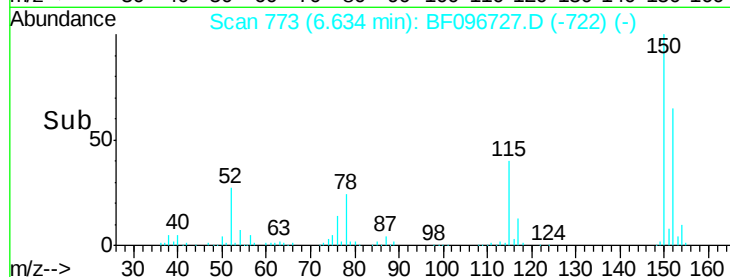
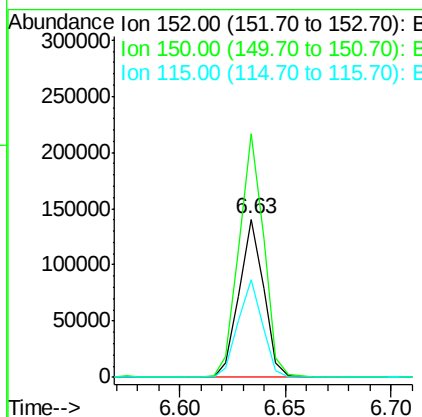
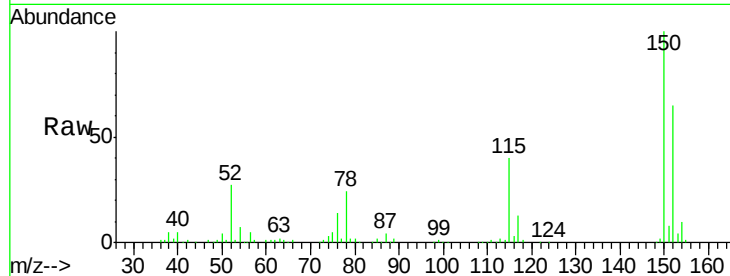
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.2	189.2
115	61.8	52.2	78.2

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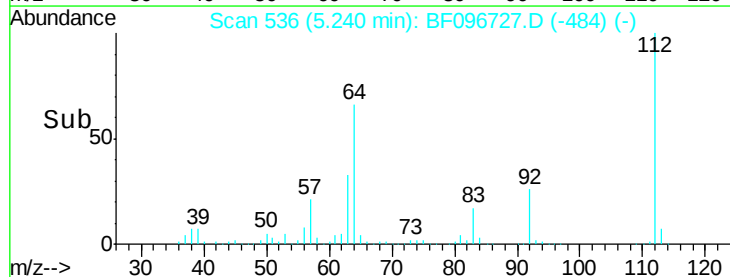
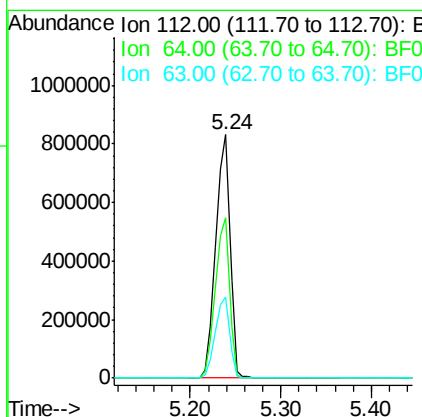
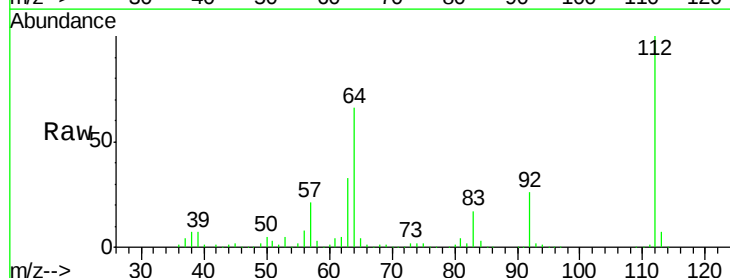
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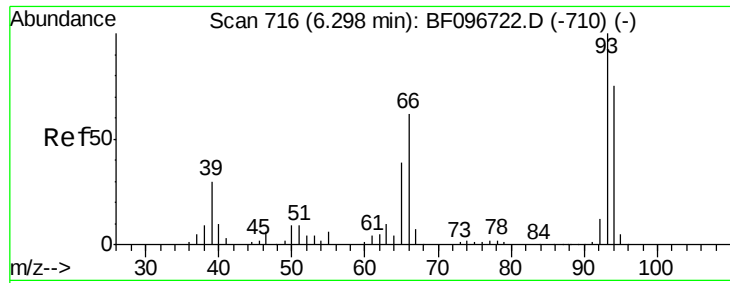


#5

2-Fluorophenol
Concen: 122.128 ng
RT: 5.24 min Scan# 536
Delta R.T. 0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	33.3	23.4	35.0





#6

Aniline

Concen: 0.967 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

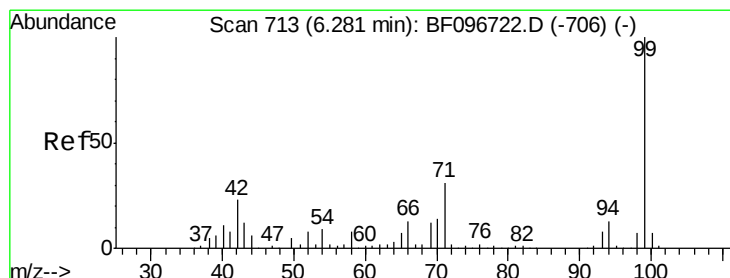
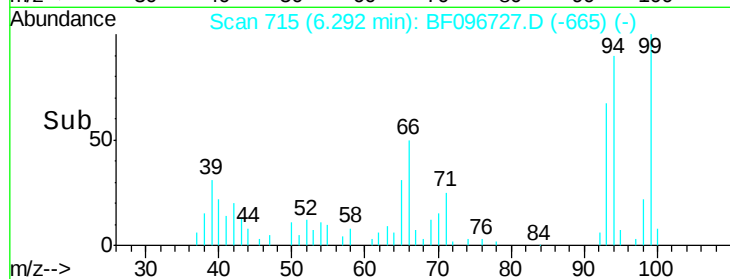
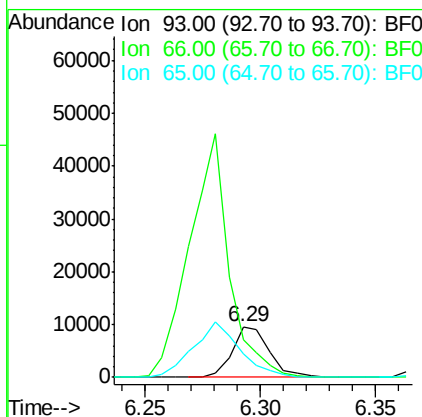
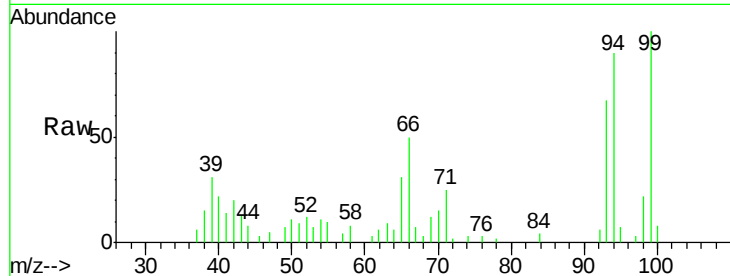
ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	93	Resp:	10691
Ion Ratio	Lower	Upper	
93	100		
66	74.5	32.9	49.3#
65	46.8	16.0	24.0#

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#7

Phenol-d6

Concen: 121.887 ng

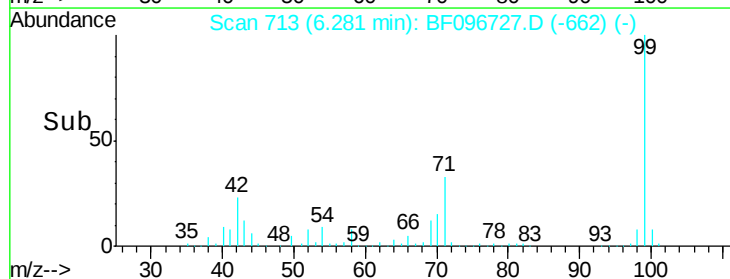
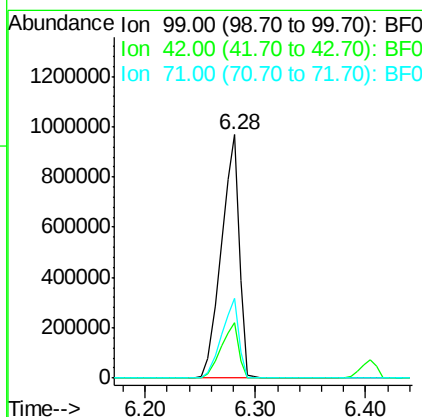
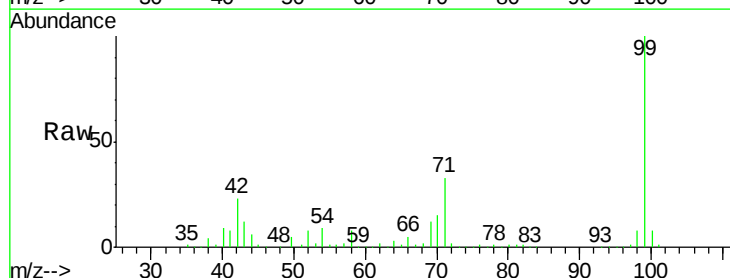
RT: 6.28 min Scan# 713

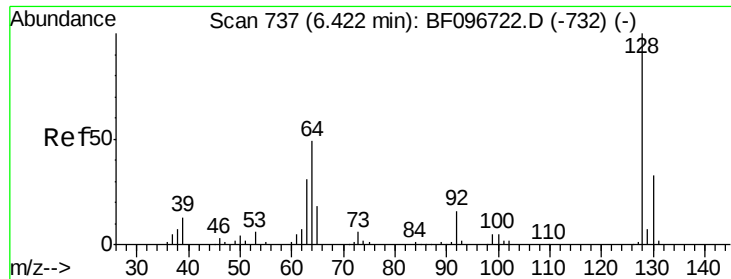
Delta R.T. -0.00 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion:	99	Resp:	1094473
Ion Ratio	Lower	Upper	
99	100		
42	22.9	13.5	20.3#
71	32.8	24.5	36.7





#8

2-Chlorophenol

Concen: 1.011 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

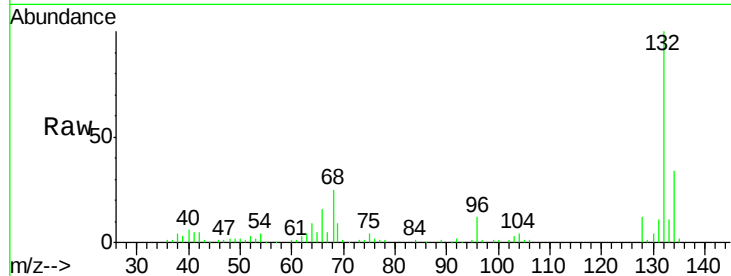
ClientSampleId :

LOD-SOIL-01-QT3-2017

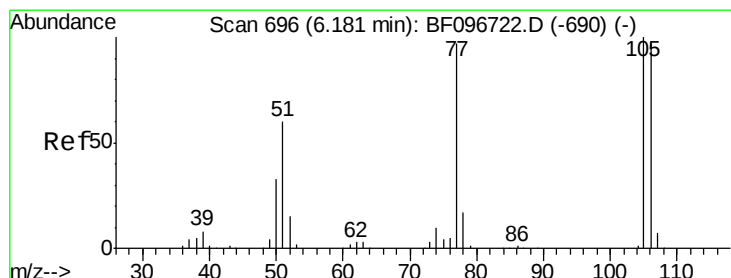
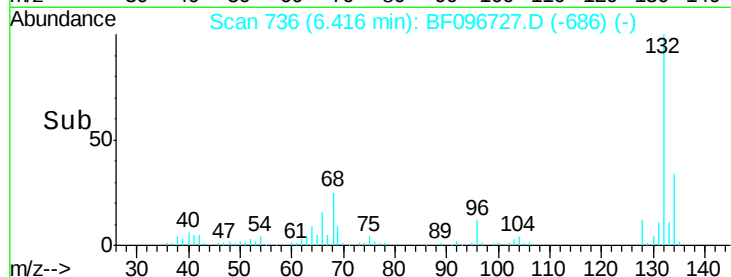
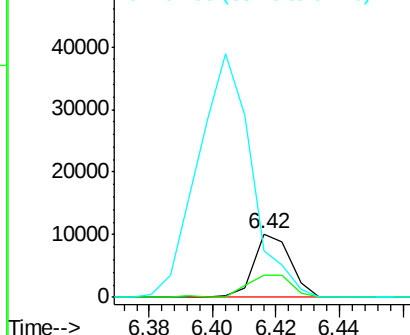
Tgt Ion:	128	Resp:	8162
Ion Ratio	Lower	Upper	
128	100		
130	34.6	12.9	52.9
64	73.9	28.4	68.4#

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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: 0.747 ng

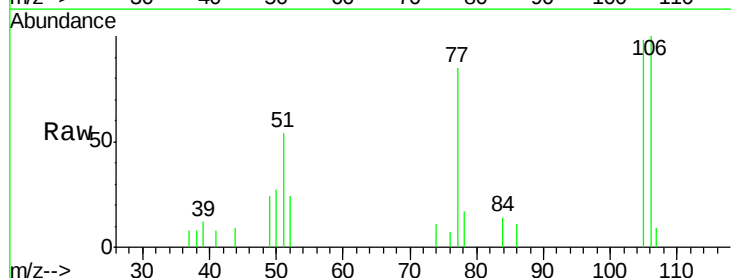
RT: 6.18 min Scan# 696

Delta R.T. -0.00 min

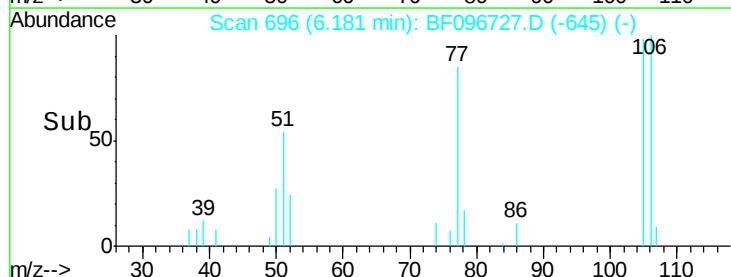
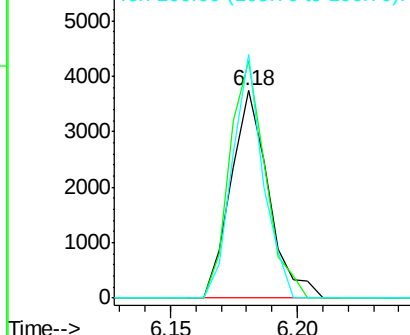
Lab File: BF096727.D

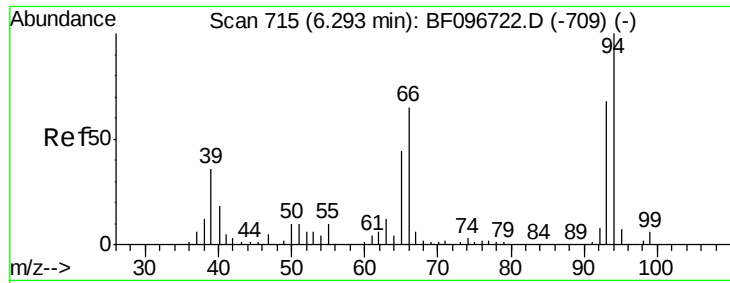
Acq: 13 Jul 2017 14:58

Tgt Ion:	77	Resp:	3877
Ion Ratio	Lower	Upper	
77	100		
105	114.6	83.8	123.8
106	117.4	79.1	119.1



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





#10

Phenol

Concen: 1.049 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

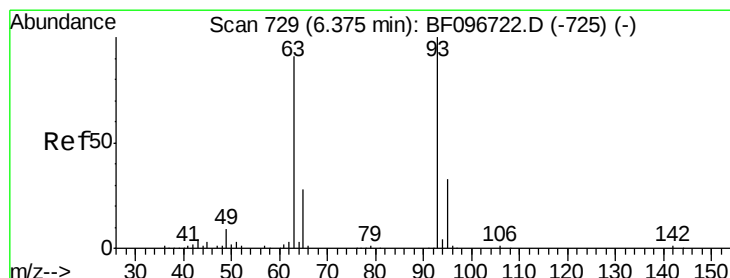
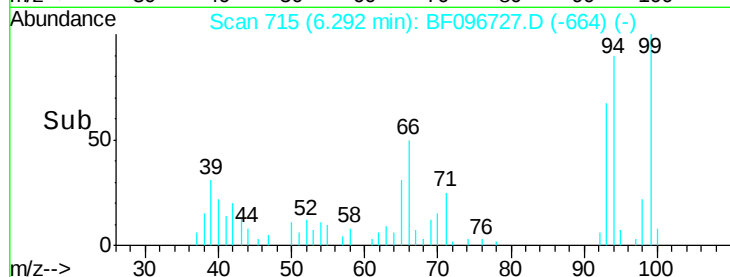
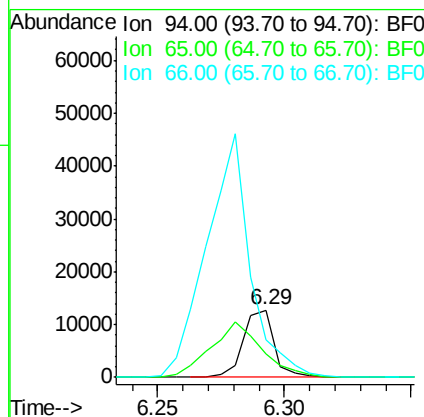
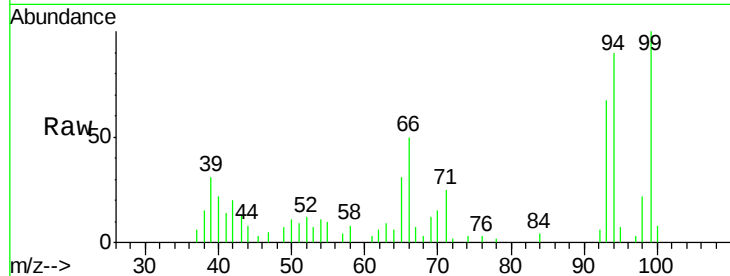
ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	94	Resp:	10653
Ion Ratio	Lower	Upper	
94	100		
65	34.9	9.9	49.9
66	55.5	23.1	63.1

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#11

bis(2-Chloroethyl)ether

Concen: 0.976 ng

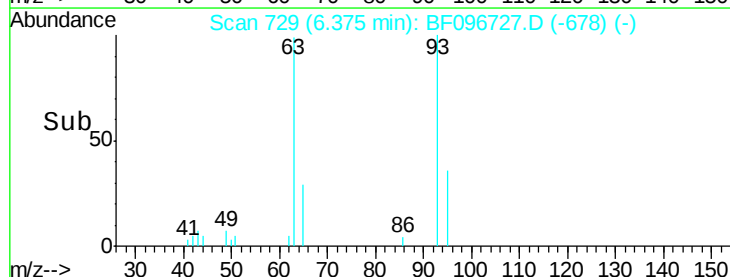
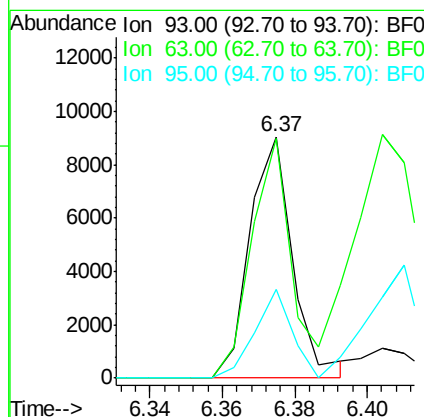
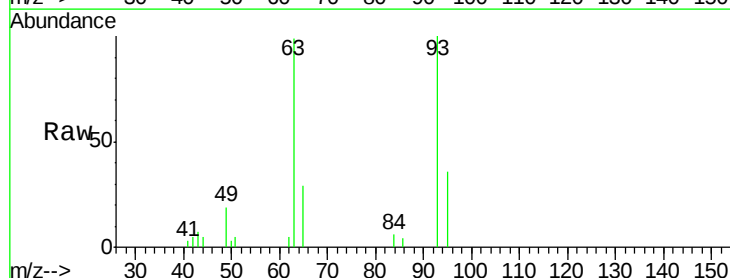
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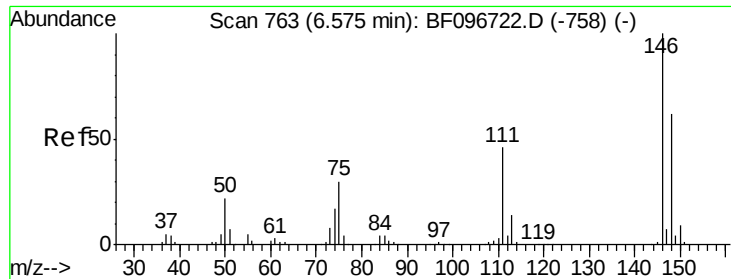
Delta R.T. -0.00 min

Lab File: BF096727.D

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Tgt Ion:	93	Resp:	7447
Ion Ratio	Lower	Upper	
93	100		
63	99.2	59.2	99.2#
95	36.5	12.8	52.8





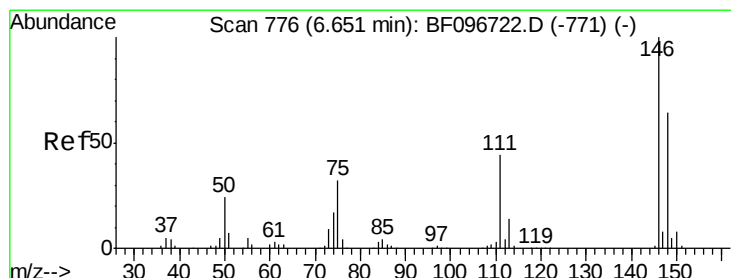
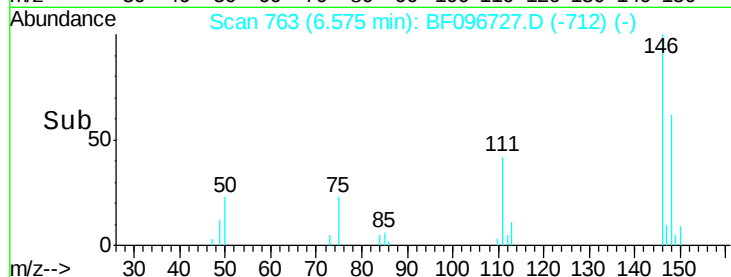
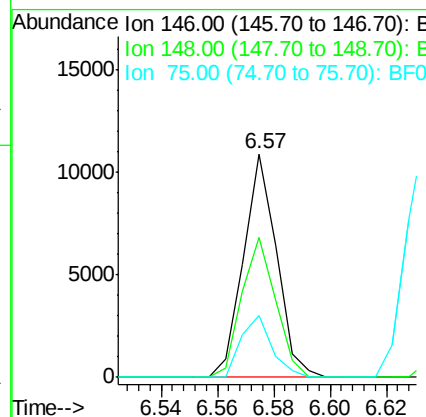
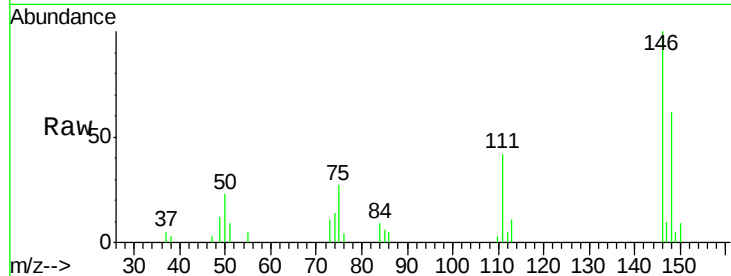
#12
 1,3-Dichlorobenzene
 Concen: 1.040 ng
 RT: 6.57 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.4	51.8	77.6
75	27.4	23.1	34.7

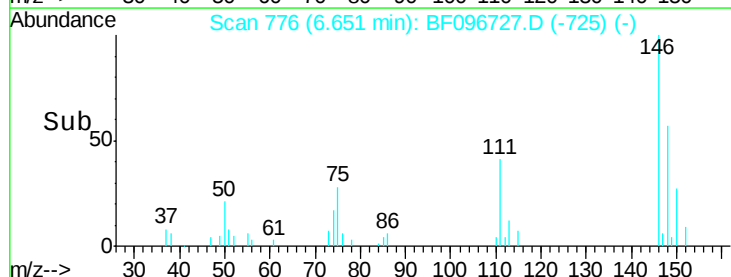
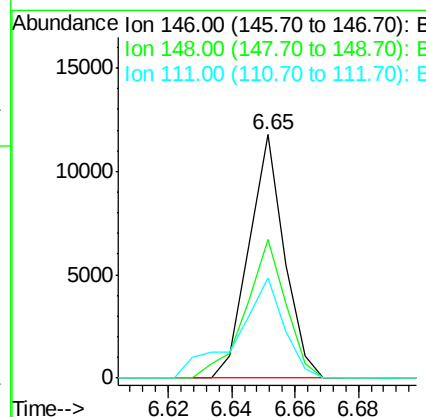
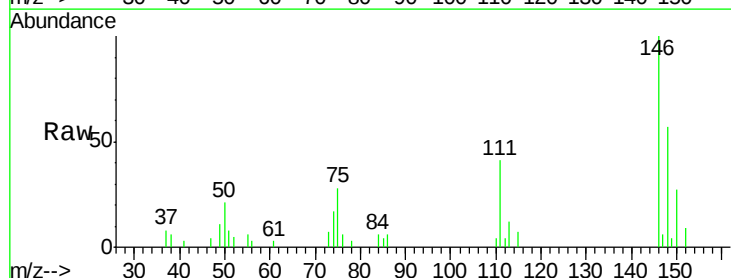
Manual Integrations
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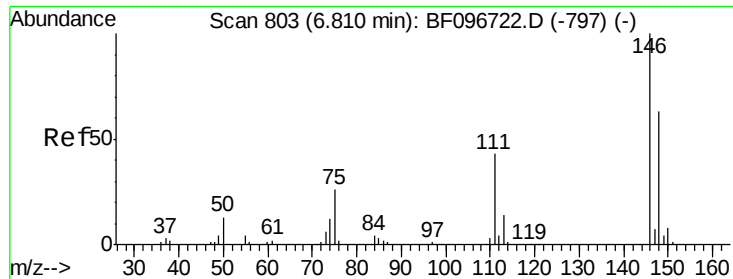
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#13
 1,4-Dichlorobenzene
 Concen: 1.050 ng
 RT: 6.65 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	56.8	52.2	78.2
111	41.4	30.3	45.5





#14

1,2-Dichlorobenzene

Concen: 1.052 ng m

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

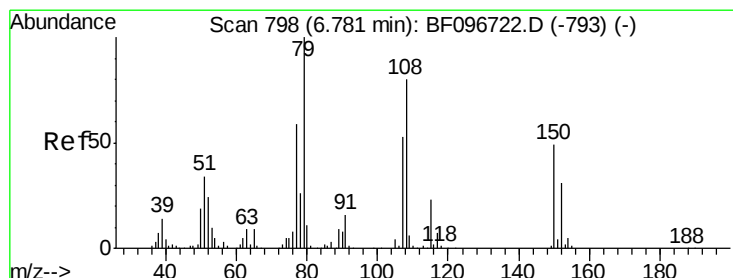
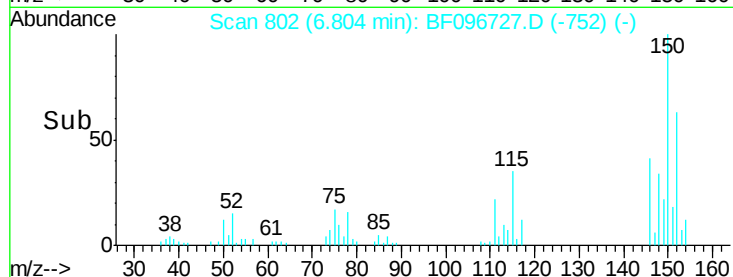
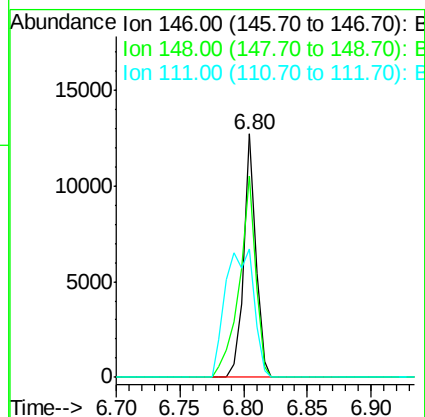
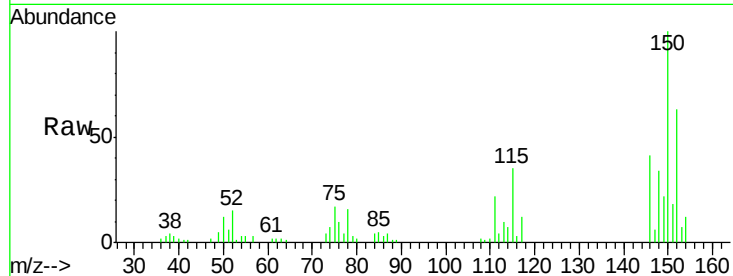
ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion: 146 Resp: 8316
 Ion Ratio Lower Upper
 146 100
 148 82.7 50.4 75.6#
 111 52.7 38.2 57.4

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#15

Benzyl Alcohol

Concen: 2.903 ng

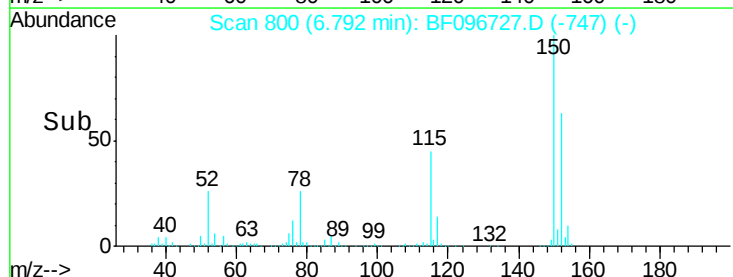
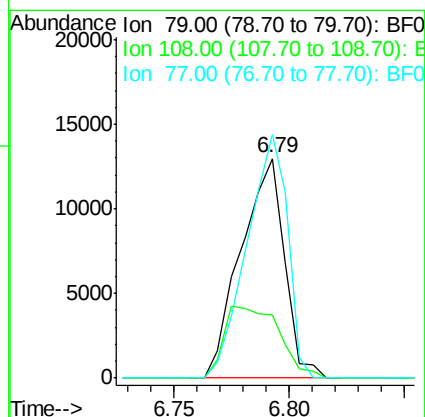
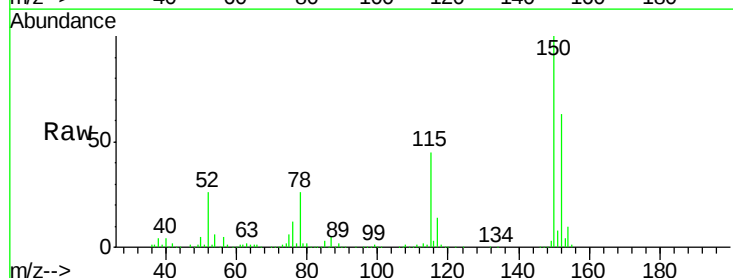
RT: 6.79 min Scan# 800

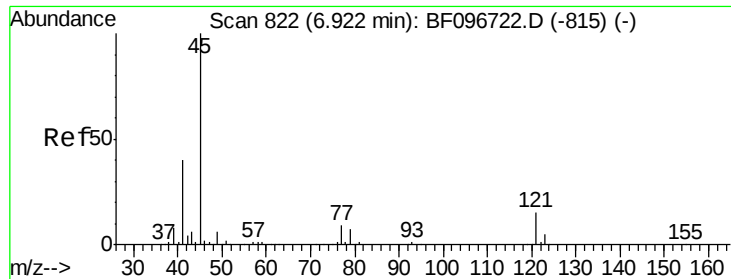
Delta R.T. 0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion: 79 Resp: 17069
 Ion Ratio Lower Upper
 79 100
 108 29.1 63.4 95.0#
 77 111.0 49.2 73.8#





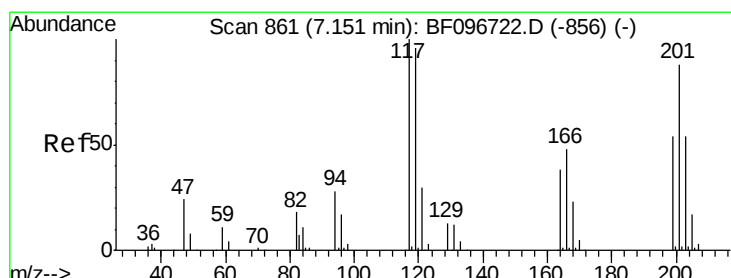
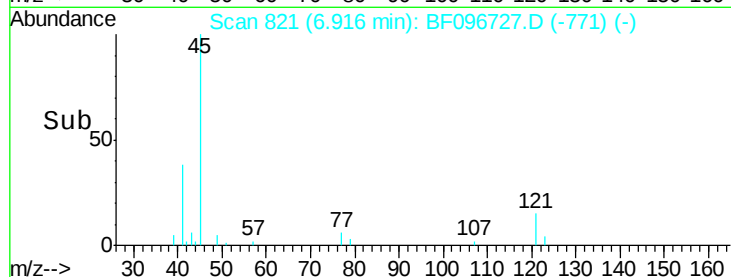
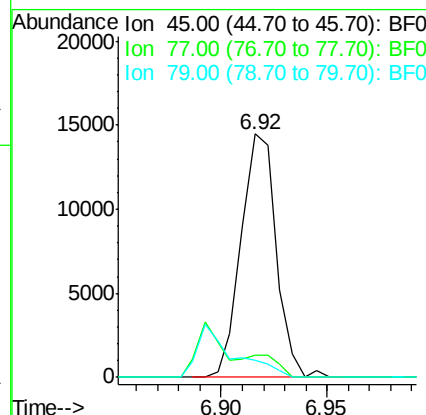
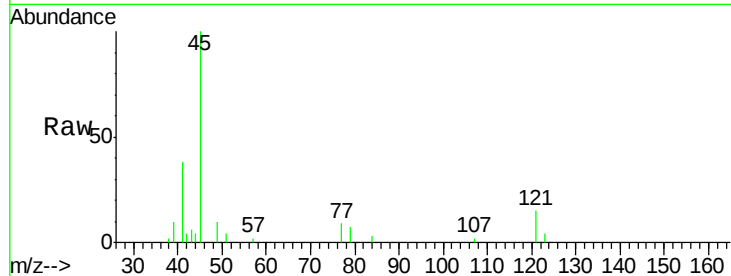
#16
2,2'-oxybis(1-Chloropropane)
Concen: 1.058 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	33.2
79	7.2	0.0	30.0

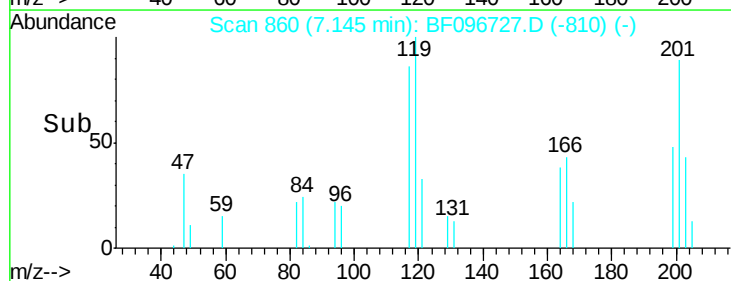
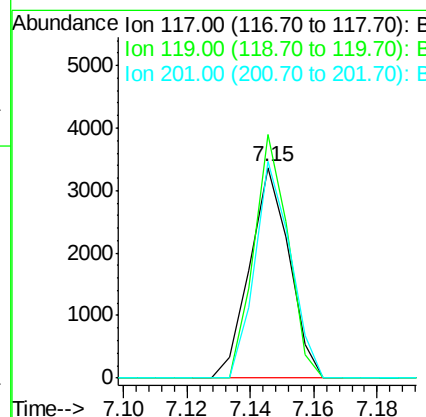
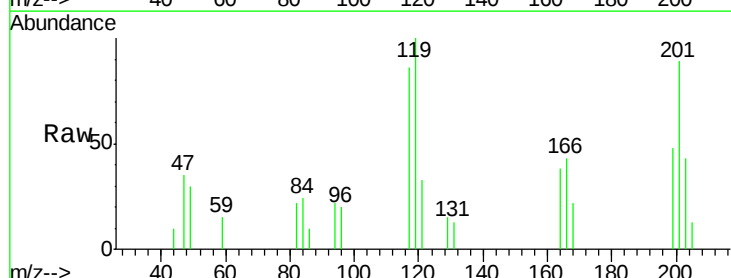
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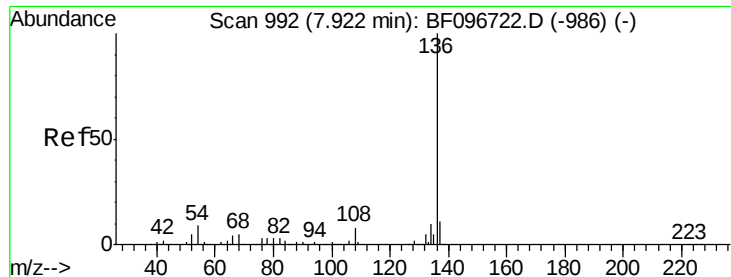
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#18
Hexachloroethane
Concen: 0.942 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	115.7	77.4	116.0
201	102.9	94.6	141.8





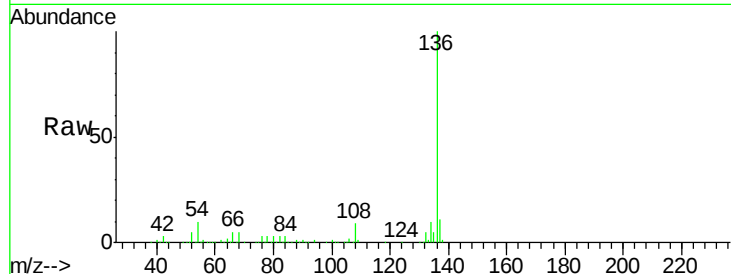
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

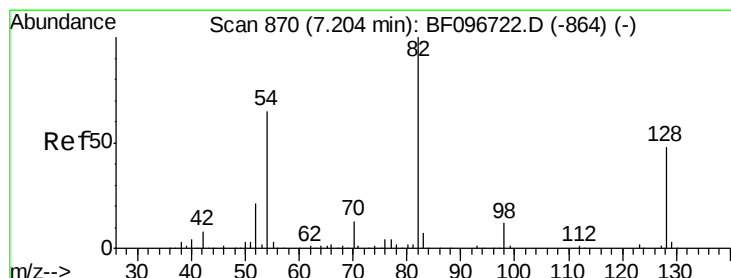
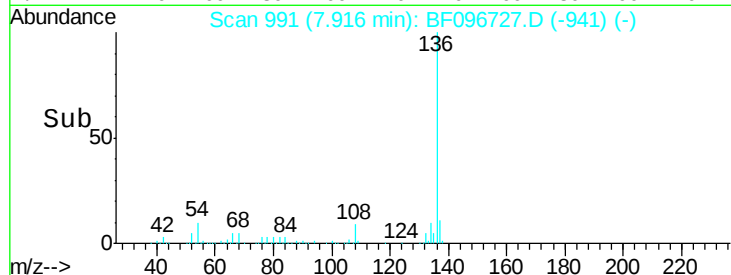
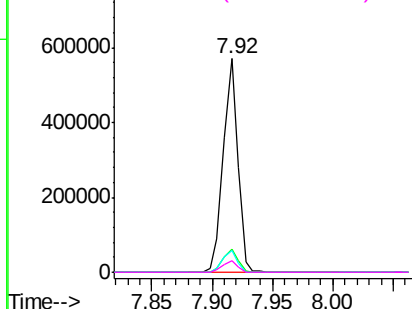
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	476640		
137	10.8	8.5	12.7	
54	10.2	4.9	7.3#	
68	5.2	4.1	6.1	

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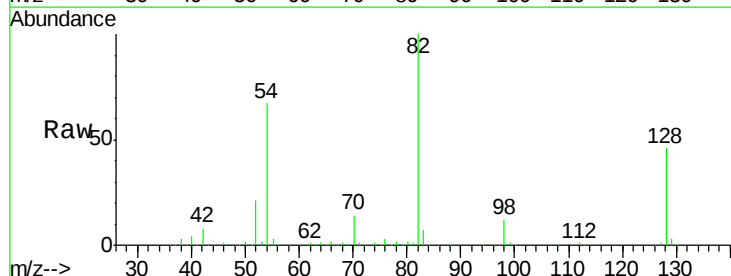


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

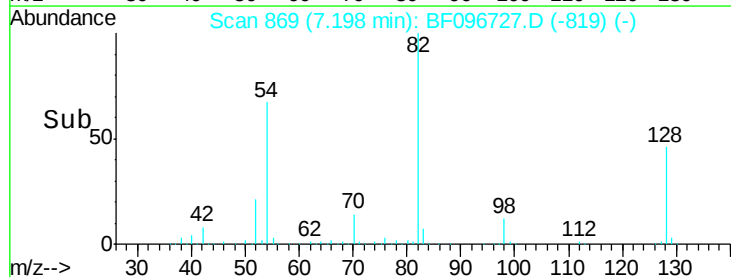
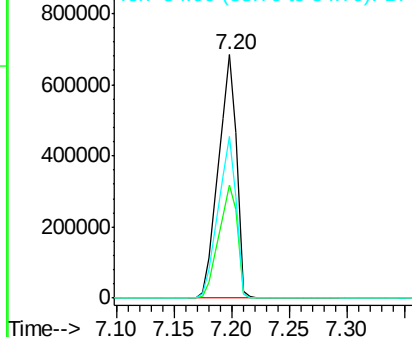


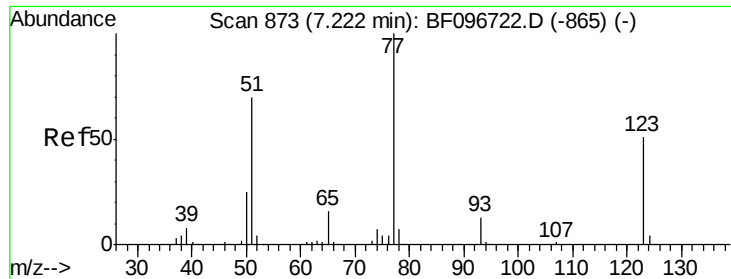
#23
Nitrobenzene-d5
Concen: 96.862 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	745360		
128	46.3	34.0	51.0	
54	66.6	42.2	63.2#	



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





#24

Nitrobenzene

Concen: 1.329 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

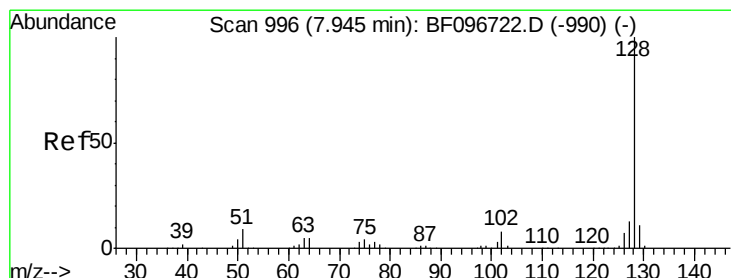
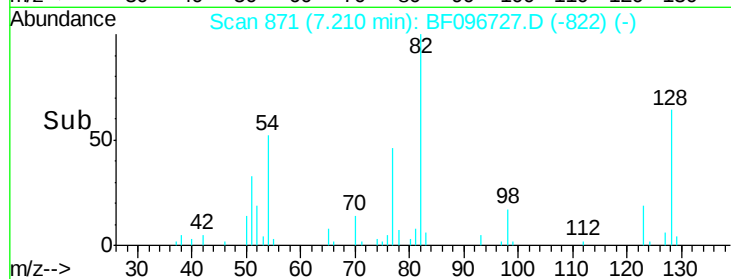
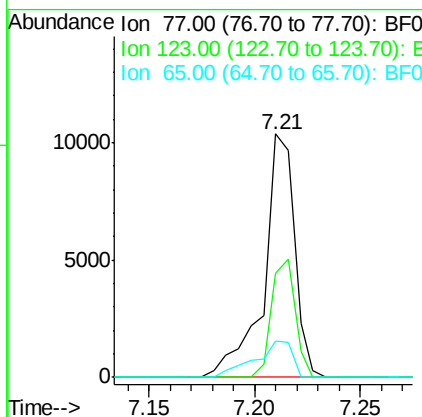
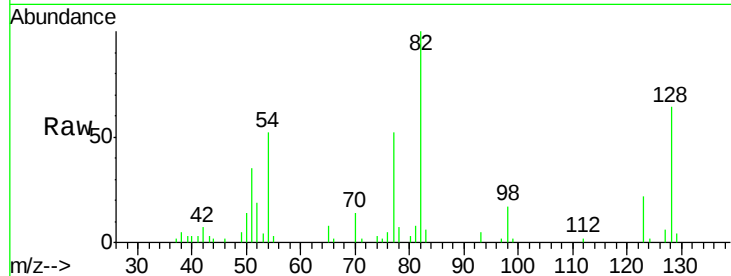
ClientSampleId :

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Tgt Ion:	77	Resp:	10578
Ion Ratio	Lower	Upper	
77	100		
123	42.5	35.8	53.8
65	15.0	10.6	15.8

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#31

Naphthalene

Concen: 1.021 ng

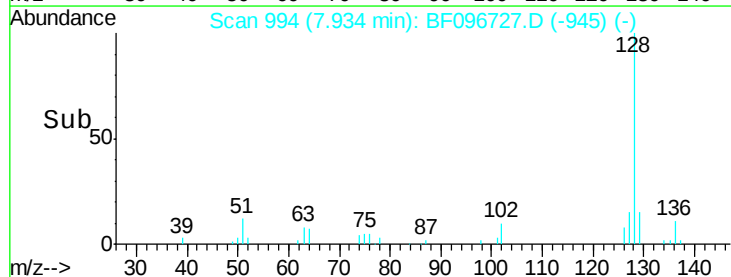
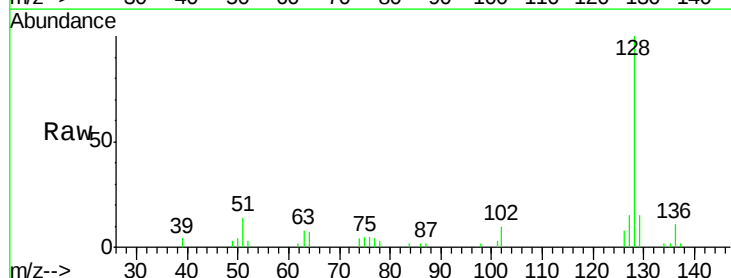
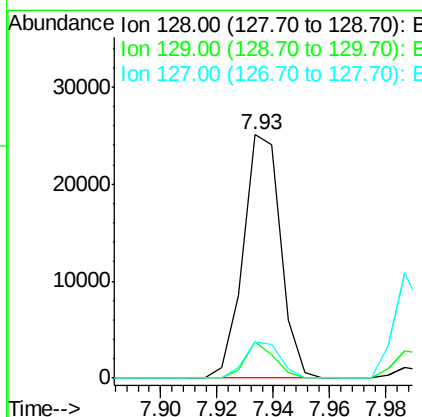
RT: 7.93 min Scan# 994

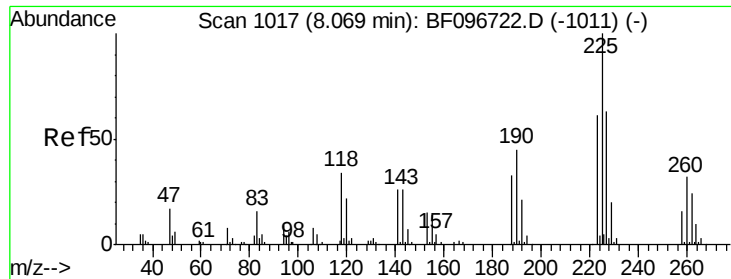
Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion:	128	Resp:	23046
Ion Ratio	Lower	Upper	
128	100		
129	14.8	9.0	13.6#
127	14.9	10.8	16.2





#34

Hexachlorobutadiene

Concen: 1.012 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

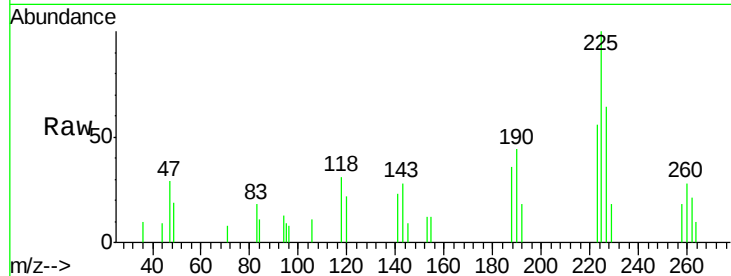
ClientSampleId :

LOD-SOIL-01-QT3-2017

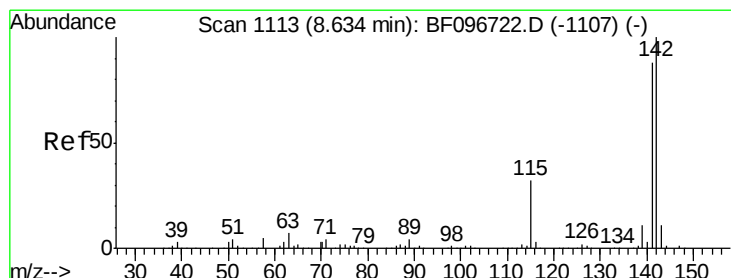
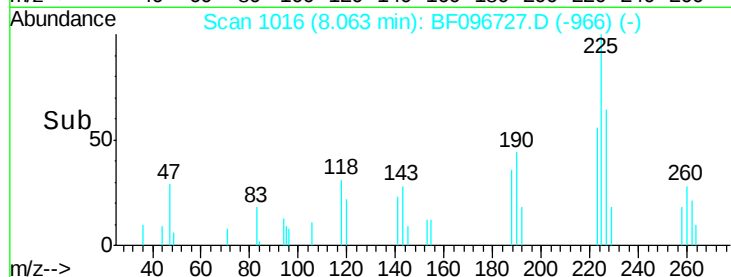
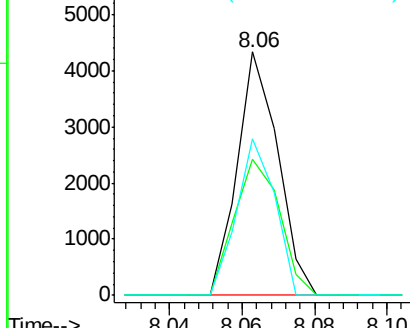
Tgt Ion:	225	Resp:	3386
Ion Ratio	Lower	Upper	
225	100		
223	55.8	48.8	73.2
227	64.3	51.1	76.7

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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



#37

2-Methylnaphthalene

Concen: 1.080 ng

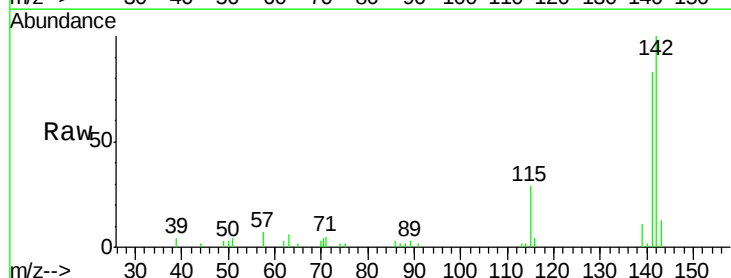
RT: 8.63 min Scan# 1112

Delta R.T. -0.01 min

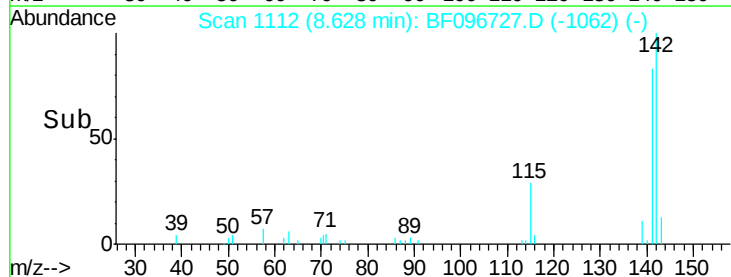
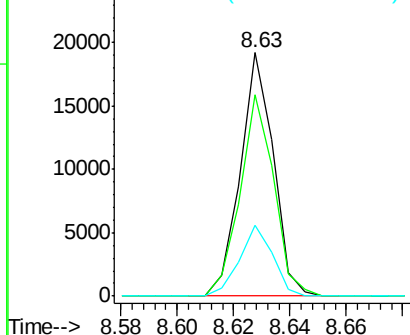
Lab File: BF096727.D

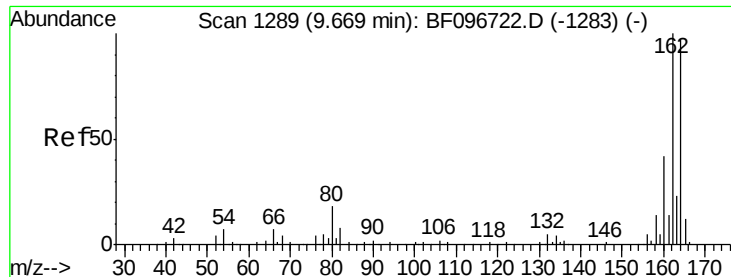
Acq: 13 Jul 2017 14:58

Tgt Ion:	142	Resp:	15551
Ion Ratio	Lower	Upper	
142	100		
141	82.9	71.3	106.9
115	29.1	27.1	40.7



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





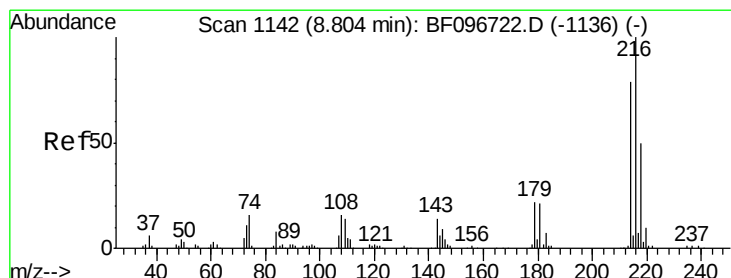
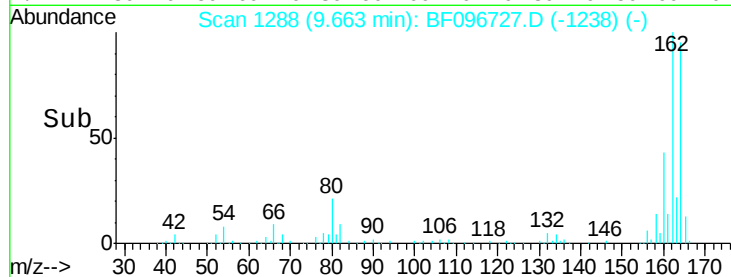
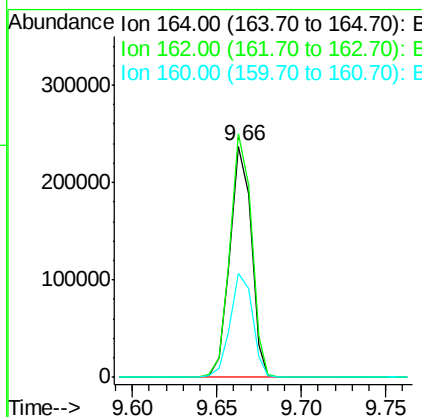
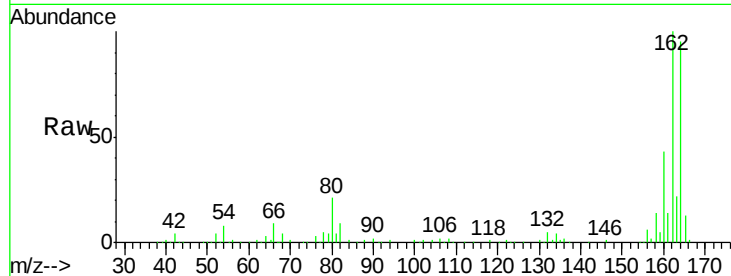
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209203		
162	105.5	82.6	123.8	
160	45.2	36.2	54.2	

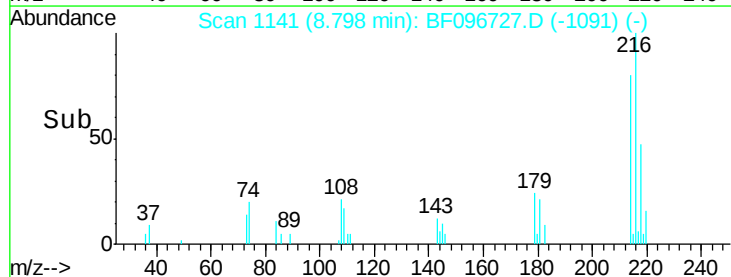
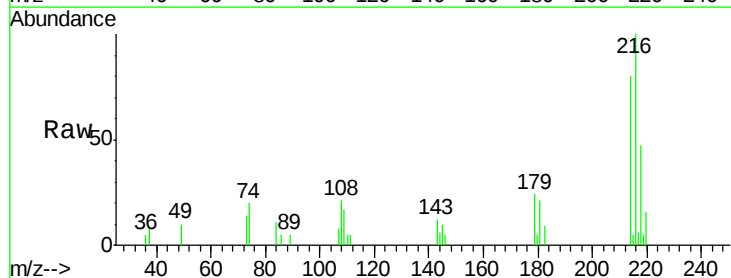
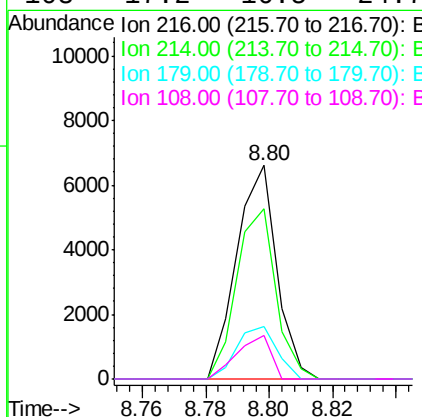
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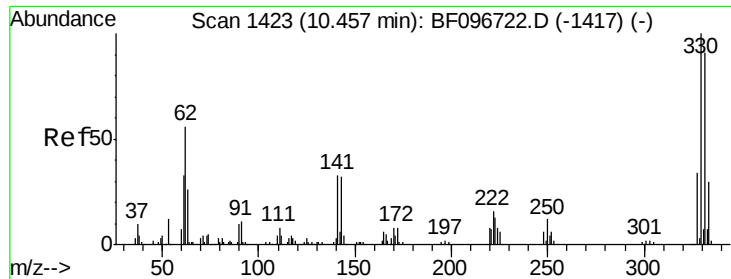
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 1.023 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	5786		
214	78.0	63.4	95.2	
179	24.6	17.9	26.9	
108	17.2	16.5	24.7	





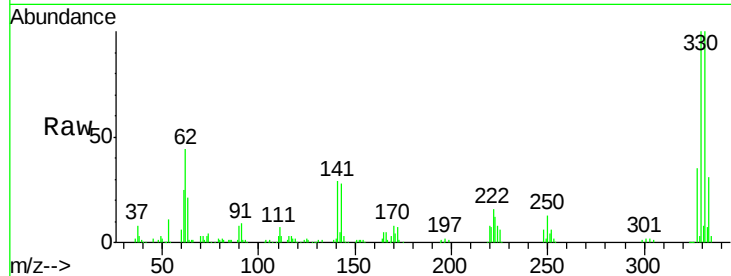
#41
 2,4,6-Tribromophenol
 Concen: 122.282 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	38.5	31.4	47.2

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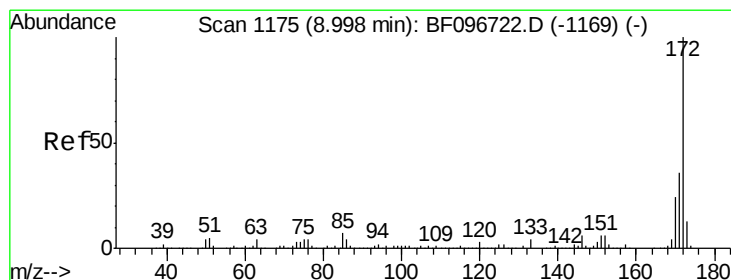
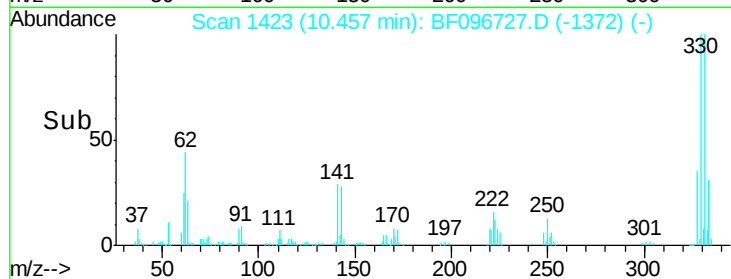
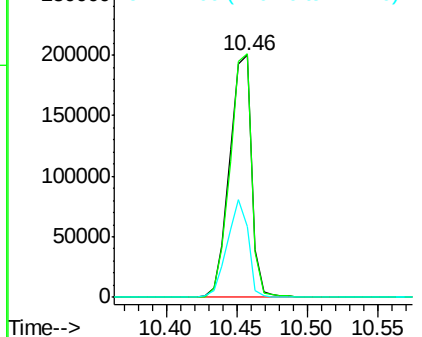


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 90.326 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

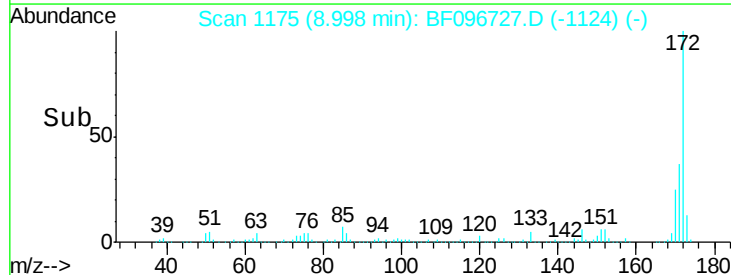
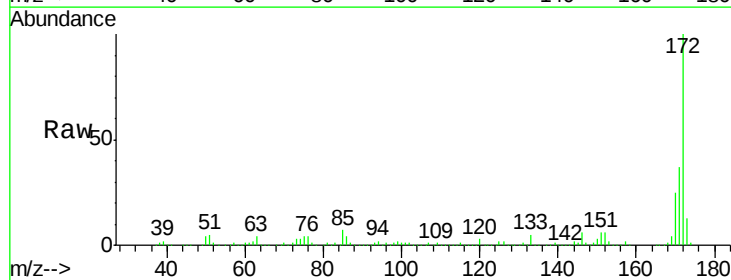
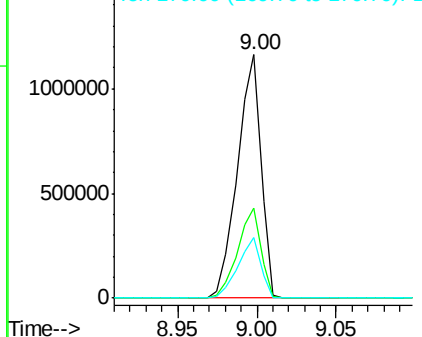
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.9	19.8	29.8

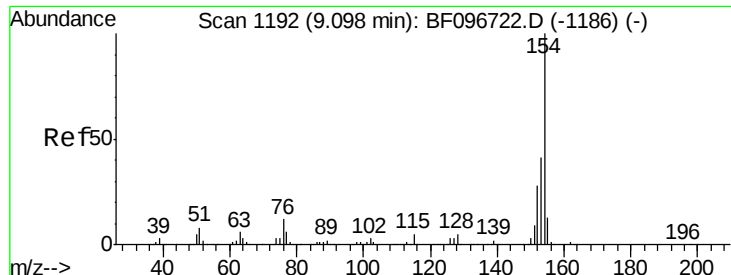
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





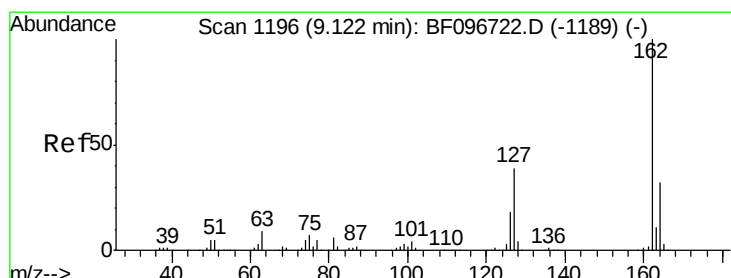
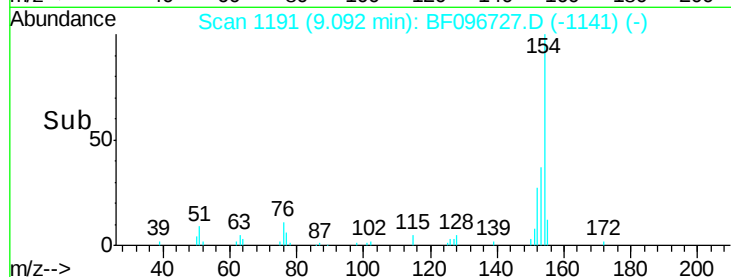
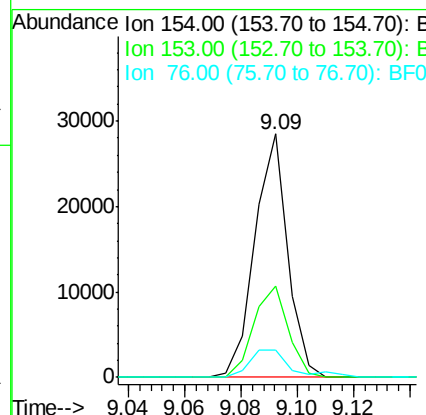
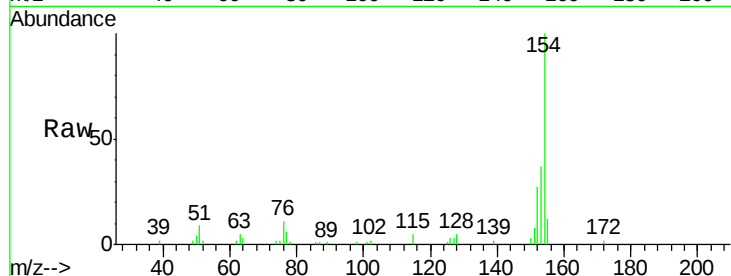
#45
1,1'-Biphenyl
Concen: 1.279 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	22947		
153	37.3	21.2	61.2	
76	11.1	0.0	29.9	

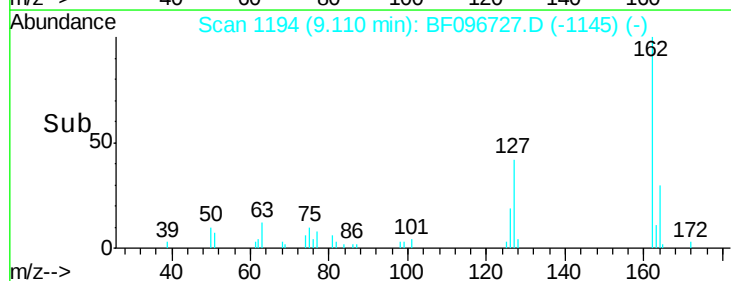
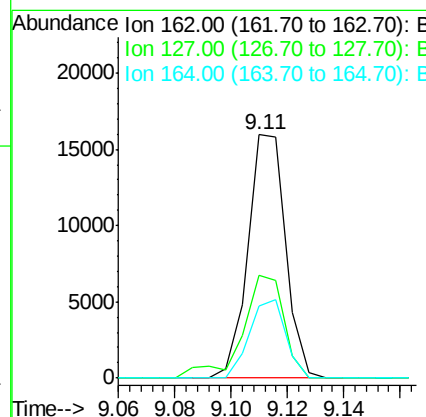
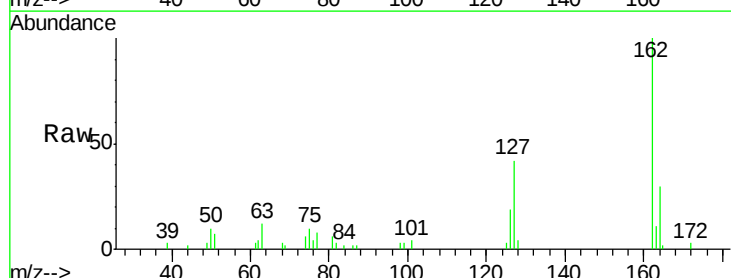
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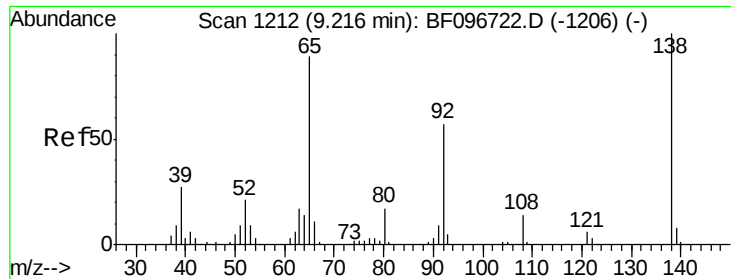
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#46
2-Chloronaphthalene
Concen: 1.117 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	14762		
127	42.1	28.3	42.5	
164	29.6	27.0	40.4	





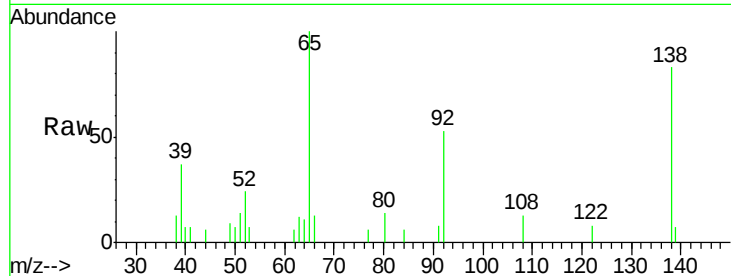
#47
2-Nitroaniline
Concen: 0.940 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

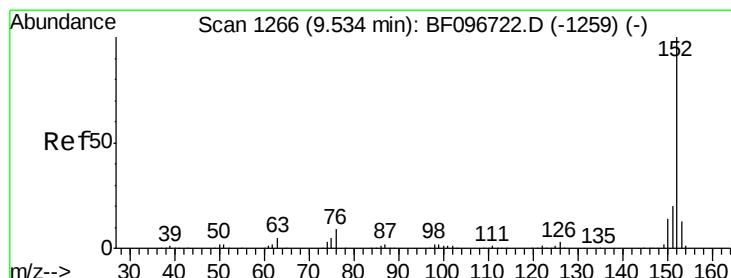
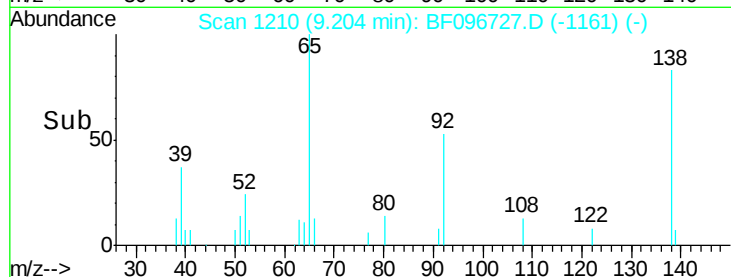
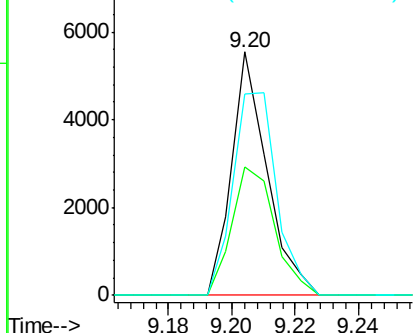
Tgt Ion: 65 Resp: 4270
Ion Ratio Lower Upper
65 100
92 52.6 53.9 80.9#
138 82.9 78.8 118.2

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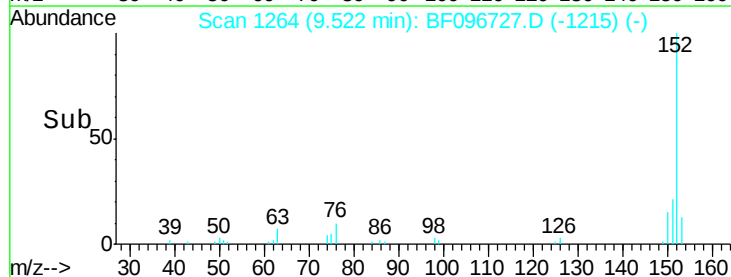
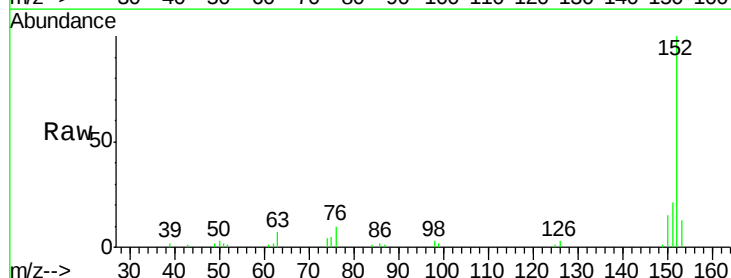
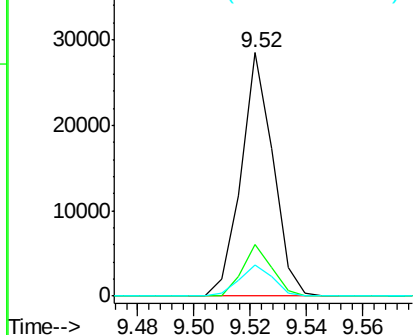
Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

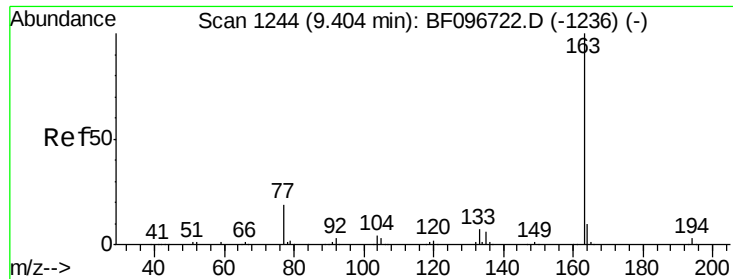


#48
Acenaphthylene
Concen: 1.061 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion: 152 Resp: 22344
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2
153 12.7 10.8 16.2

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





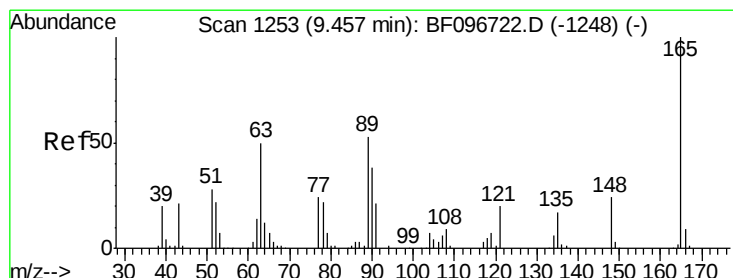
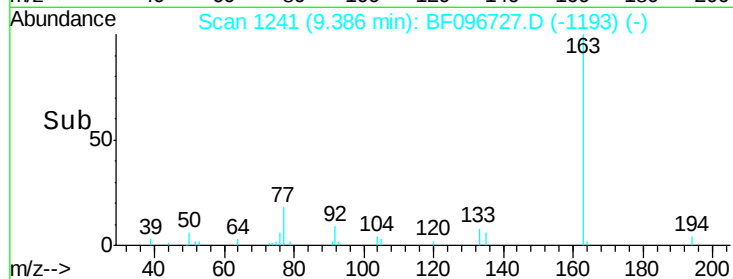
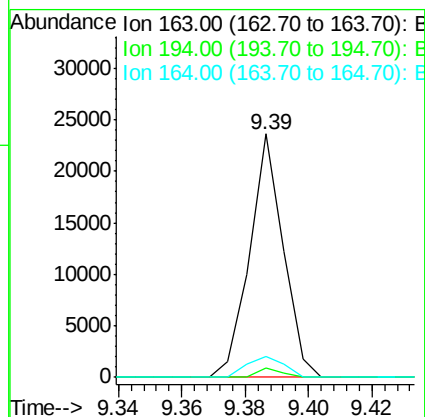
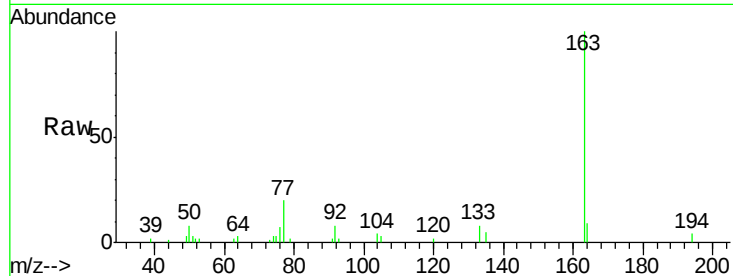
#49
Dimethylphthalate
Concen: 1.100 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	17321		
194	3.8	2.6	4.0	
164	8.8	8.4	12.6	

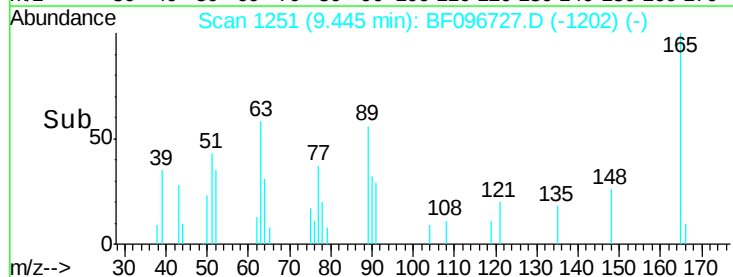
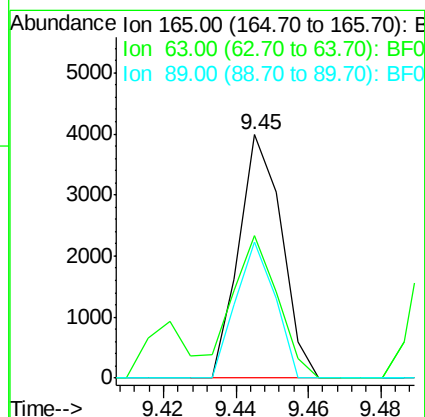
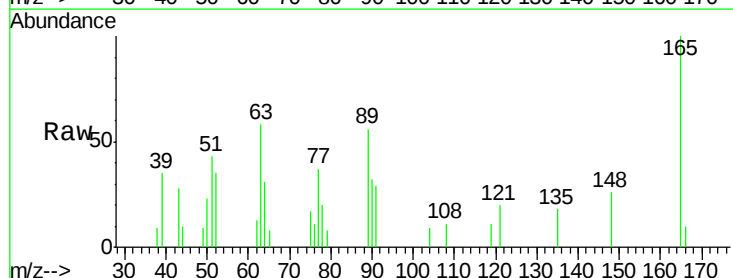
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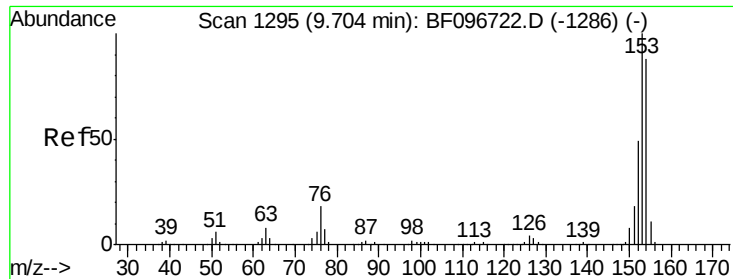
mohammad
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#50
2,6-Dinitrotoluene
Concen: 0.956 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	3262		
63	58.3	34.3	51.5#	
89	56.1	37.1	55.7#	





#51

Acenaphthene

Concen: 1.117 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096727.D

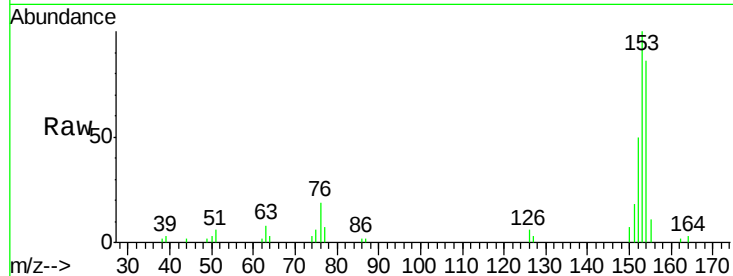
Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

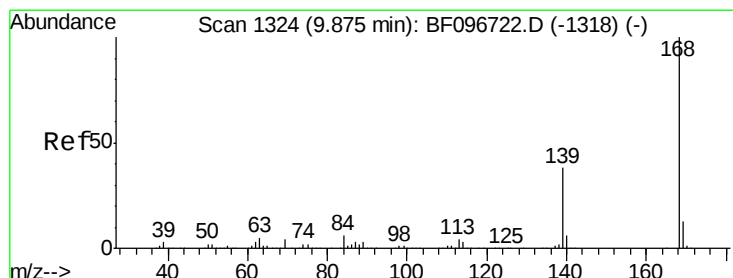
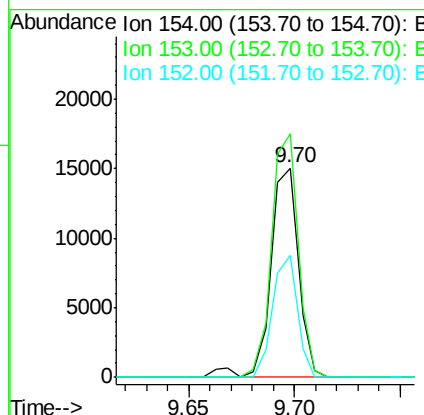
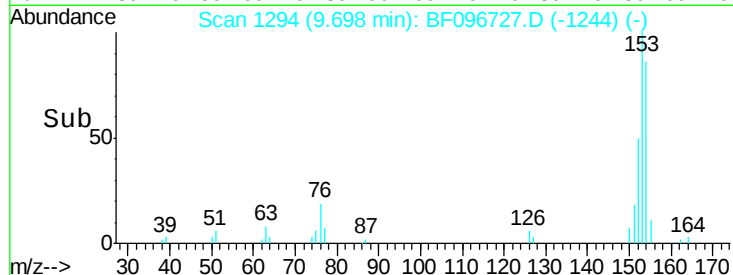
LOD-SOIL-01-QT3-2017



Tgt Ion:	154	Resp:	13892
Ion Ratio	Lower	Upper	
154	100		
153	116.3	90.5	135.7
152	58.3	43.6	65.4

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#54

Dibenzofuran

Concen: 1.133 ng

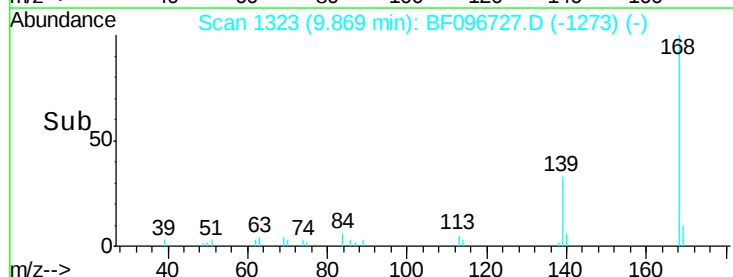
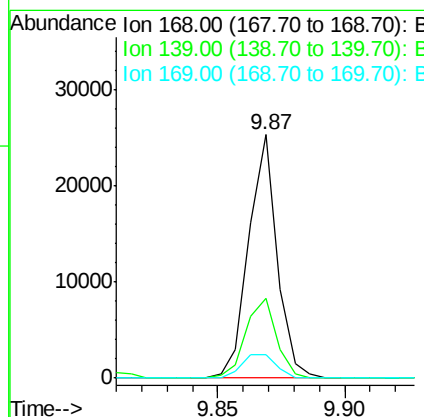
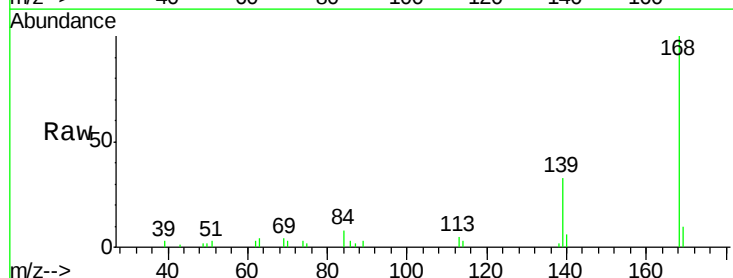
RT: 9.87 min Scan# 1323

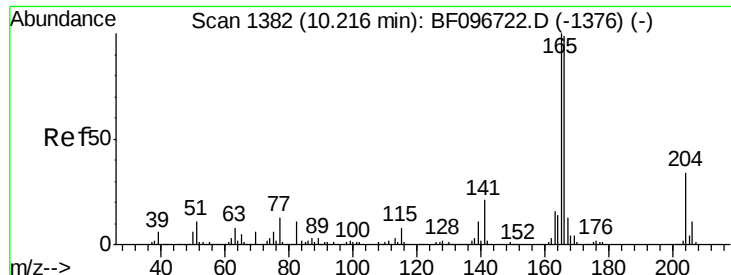
Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

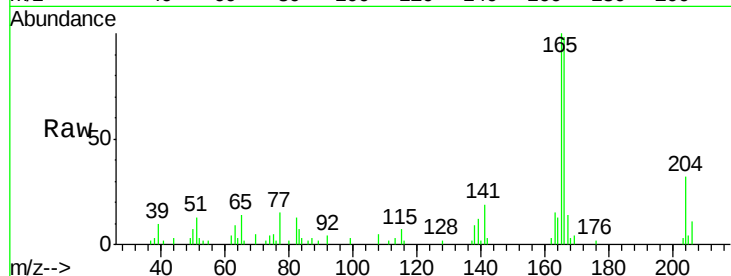
Tgt Ion:	168	Resp:	19747
Ion Ratio	Lower	Upper	
168	100		
139	32.7	30.6	45.8
169	9.9	10.8	16.2#





#57
Fluorene
 Concen: 1.288 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

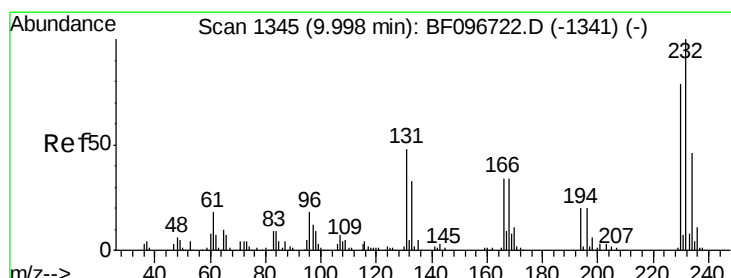
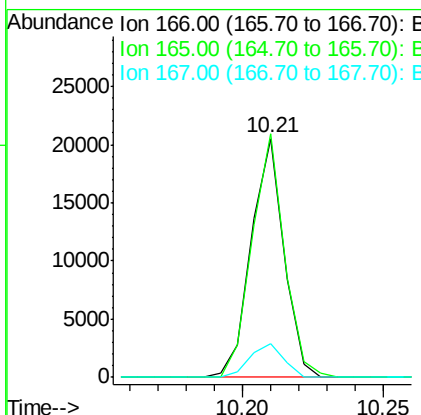
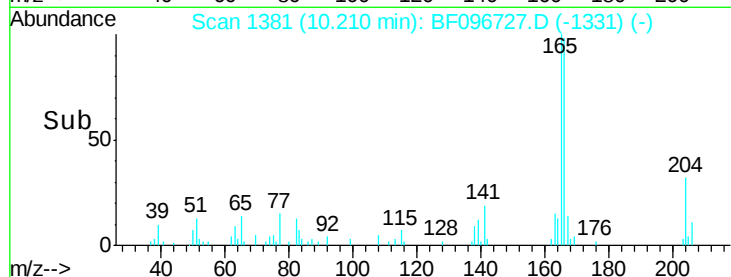
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017



Tgt Ion:166 Resp: 16580
 Ion Ratio Lower Upper
 166 100
 165 101.8 78.8 118.2
 167 14.2 10.6 16.0

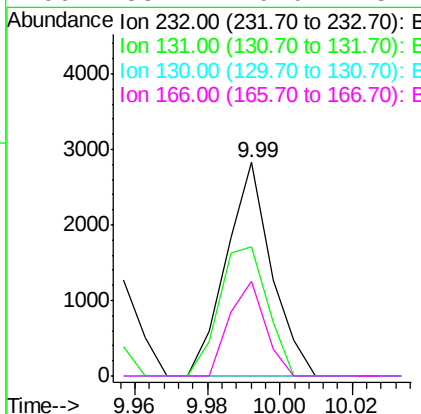
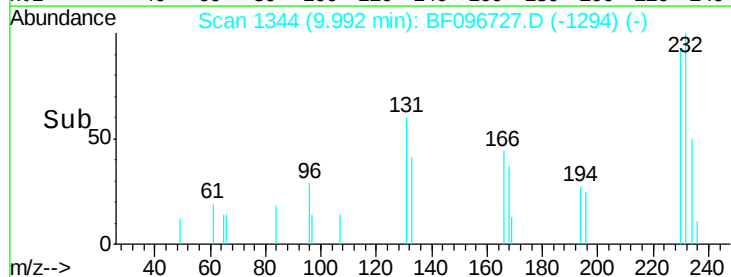
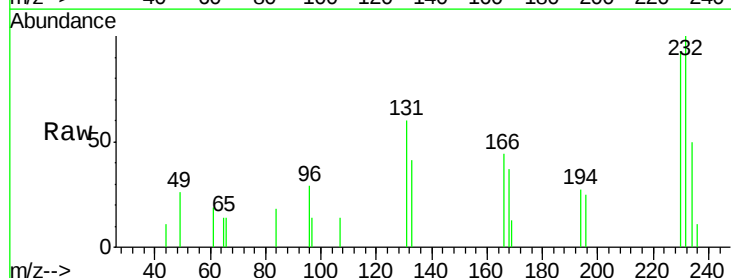
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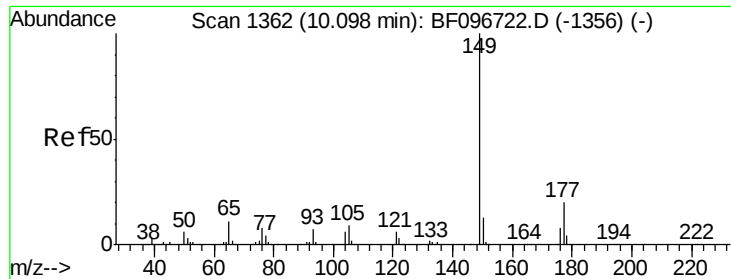
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 0.848 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:232 Resp: 2474
 Ion Ratio Lower Upper
 232 100
 131 64.3 44.8 67.2
 130 0.0 2.3 3.5#
 166 35.1 29.0 43.4





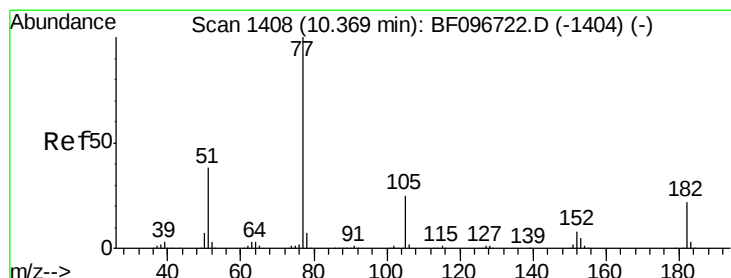
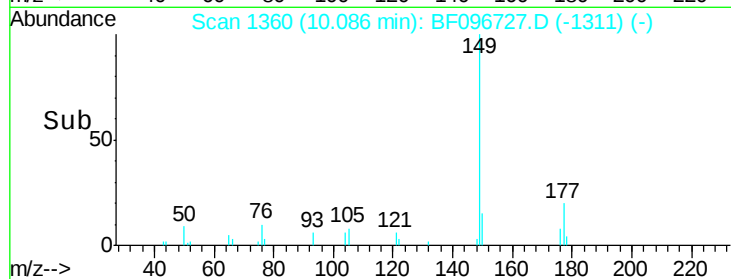
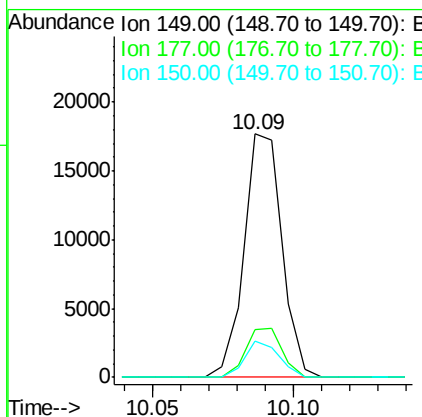
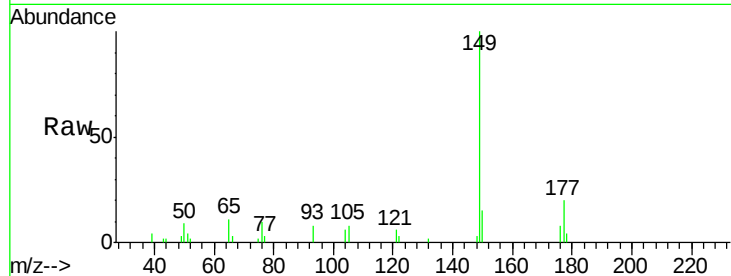
#59
Diethylphthalate
Concen: 1.072 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.6	16.7	25.1
150	14.9	10.2	15.2

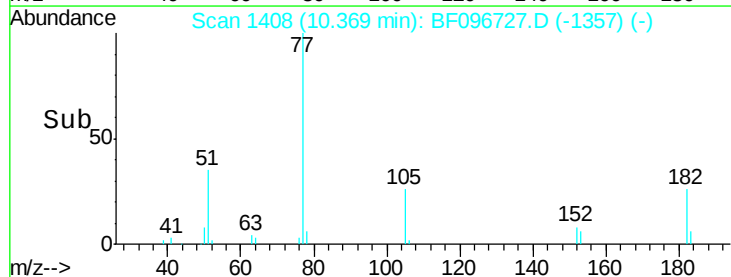
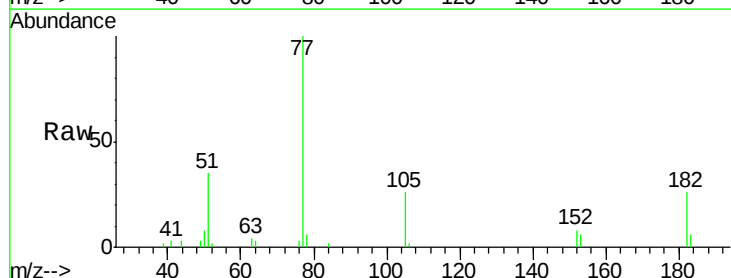
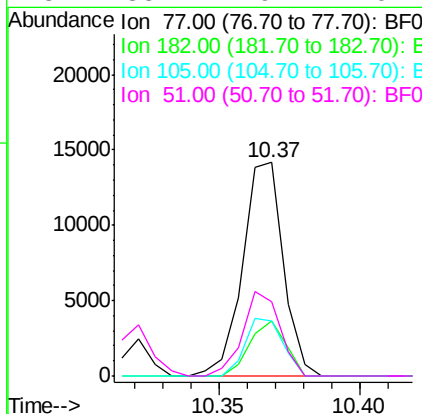
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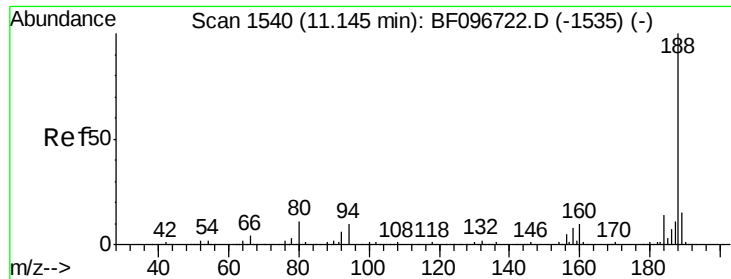
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#62
Azobenzene
Concen: 1.045 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.8	0.1	40.1
105	25.9	3.6	43.6
51	35.1	9.4	49.4





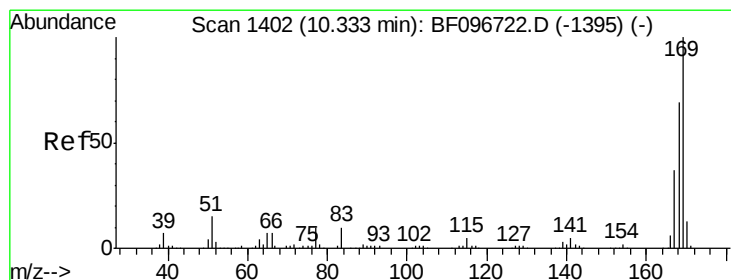
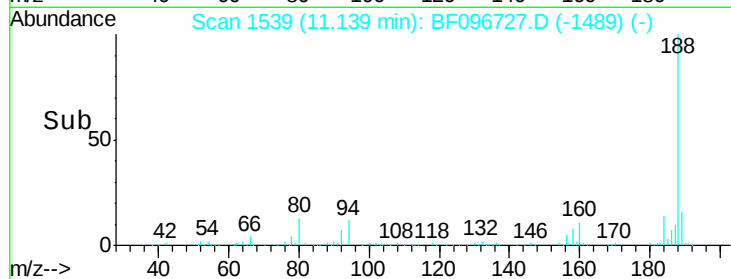
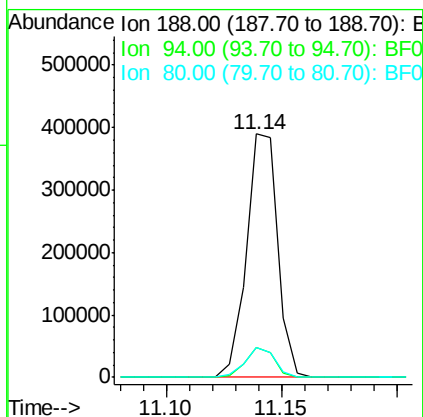
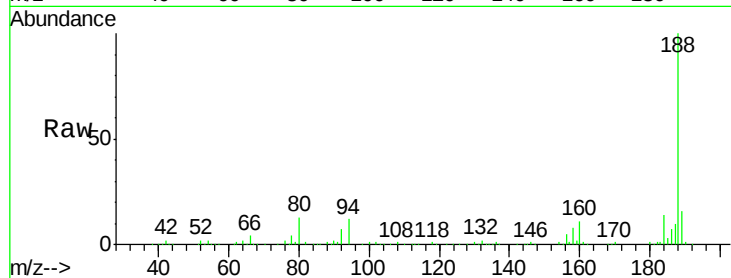
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.14 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	368737		
94	12.1		9.4	14.2
80	12.5		10.2	15.2

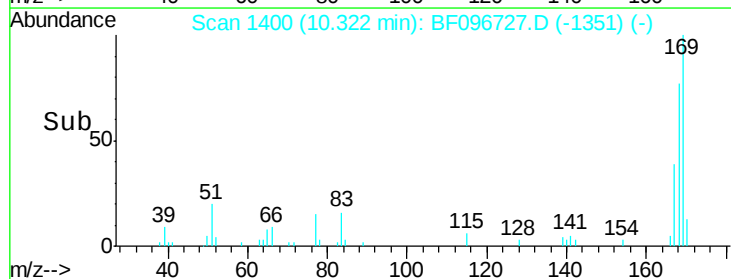
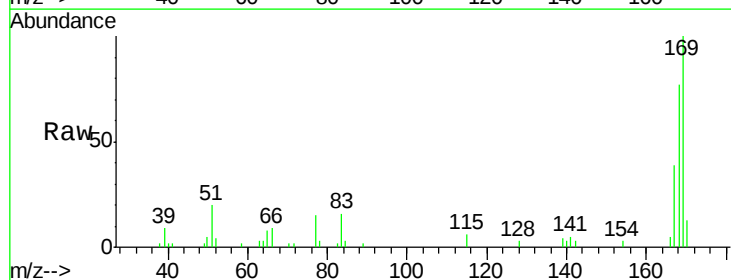
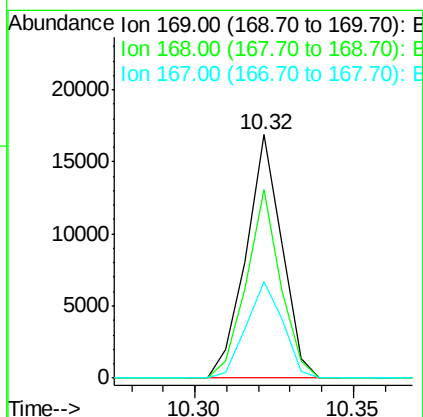
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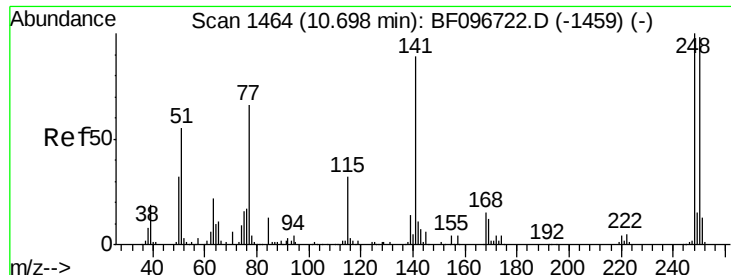
mohammad
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#65
n-Nitrosodiphenylamine
Concen: 1.007 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	13275		
168	77.3		53.2	79.8
167	39.5		29.5	44.3





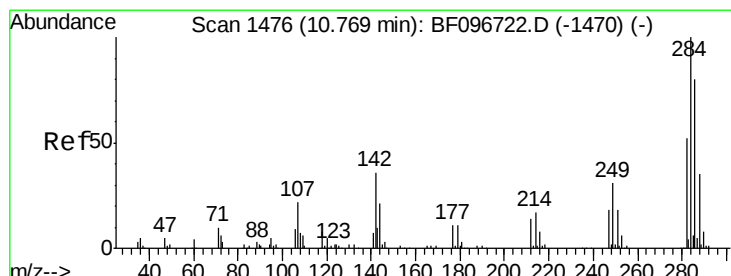
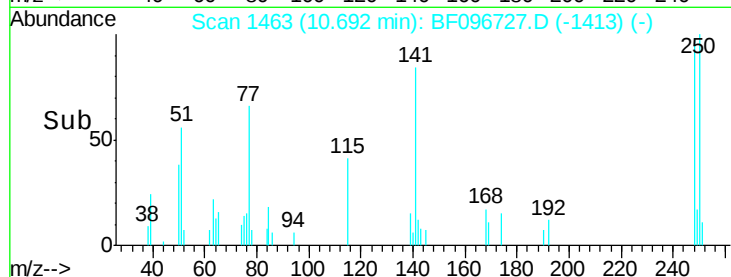
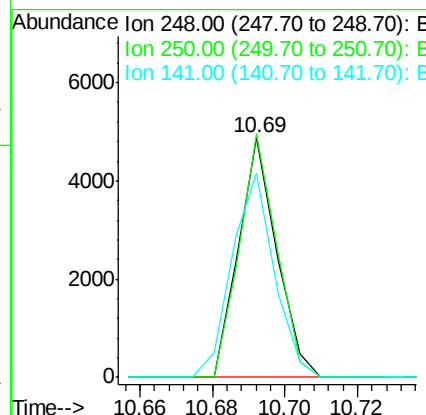
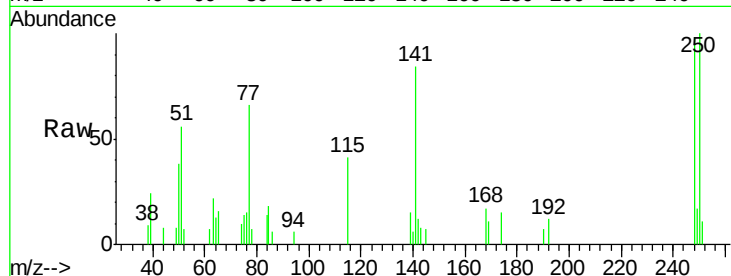
#66
 4-Bromophenyl-phenylether
 Concen: 0.946 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.7	76.8	115.2
141	85.5	68.6	103.0

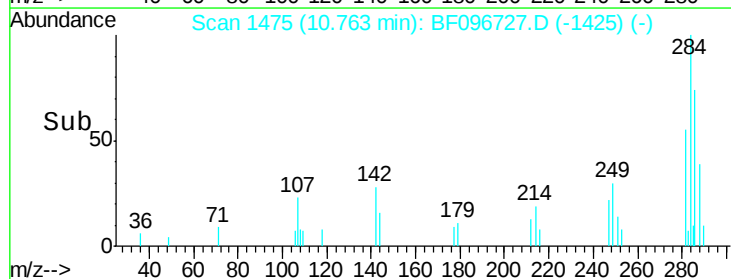
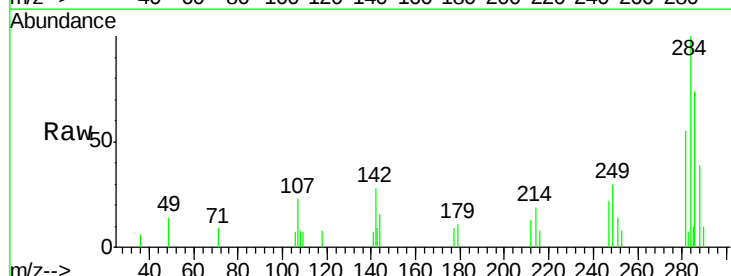
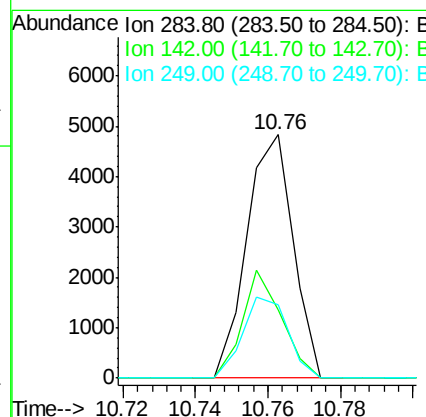
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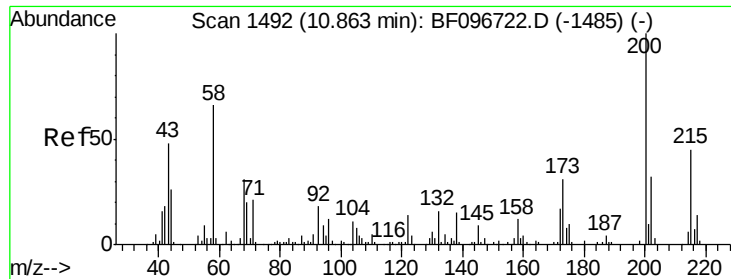
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#67
 Hexachlorobenzene
 Concen: 1.018 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.2	22.8	34.2
249	30.1	24.0	36.0





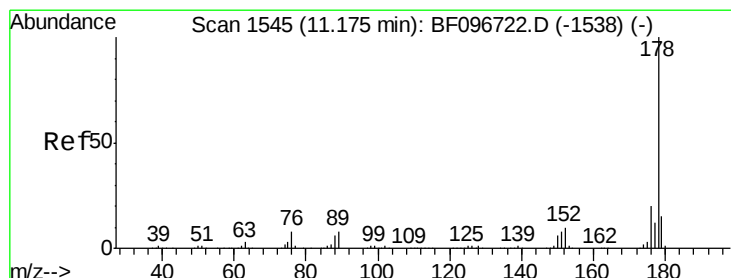
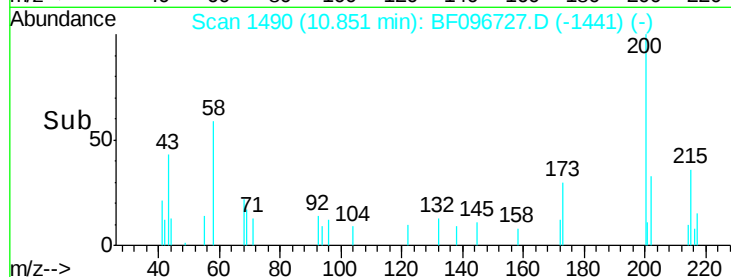
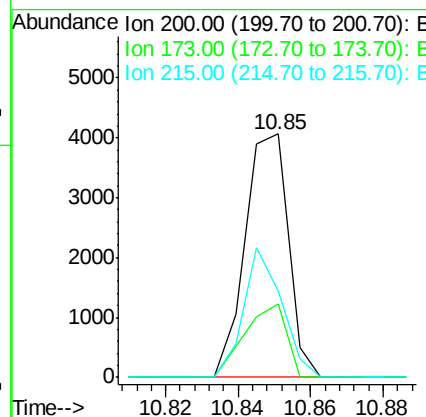
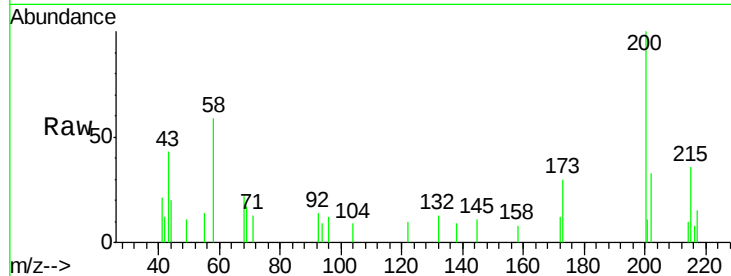
#68
 Atrazine
 Concen: 0.897 ng
 RT: 10.85 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.3	6.3	46.3
215	35.6	27.2	67.2

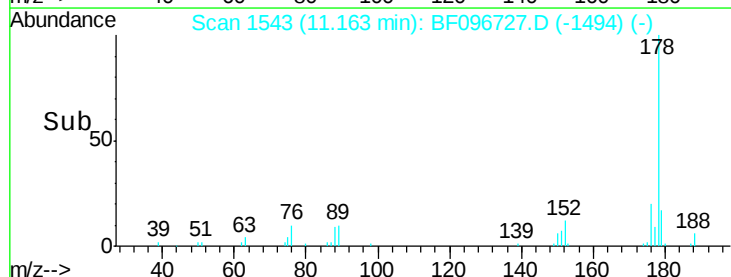
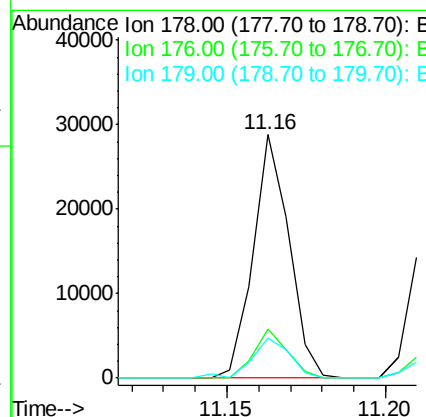
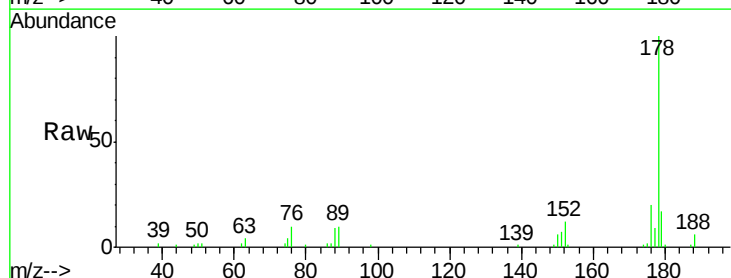
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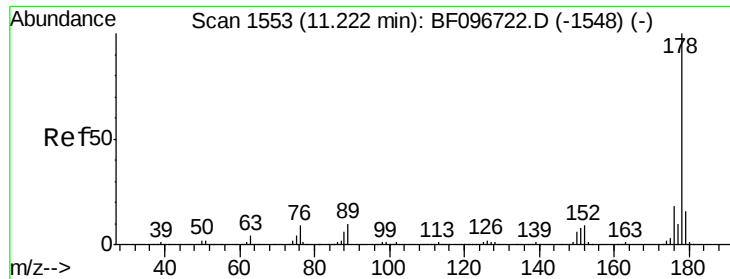
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#70
 Phenanthrene
 Concen: 1.129 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	16.5	12.6	19.0





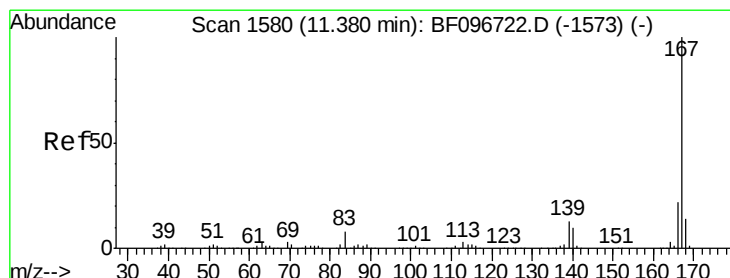
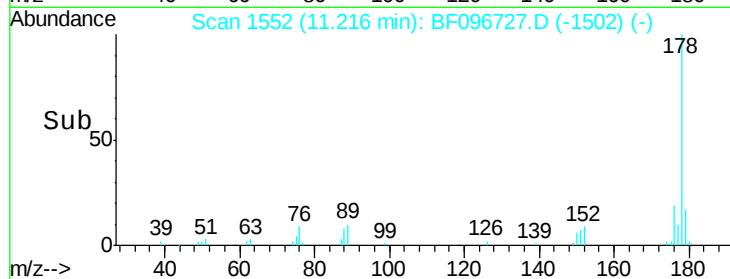
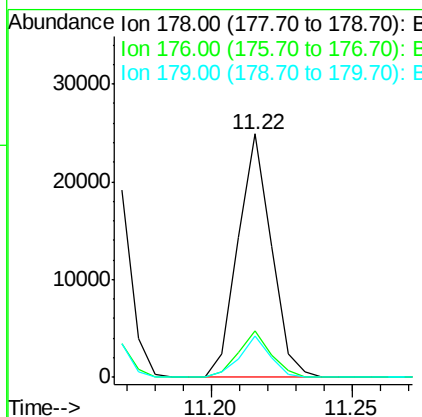
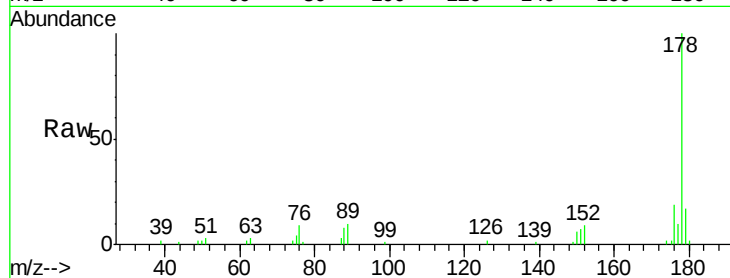
#71
 Anthracene
 Concen: 1.012 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.9	12.7	19.1

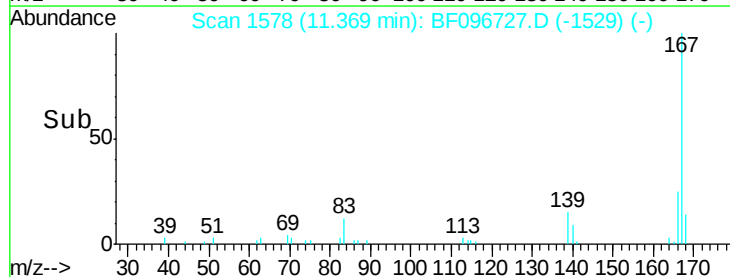
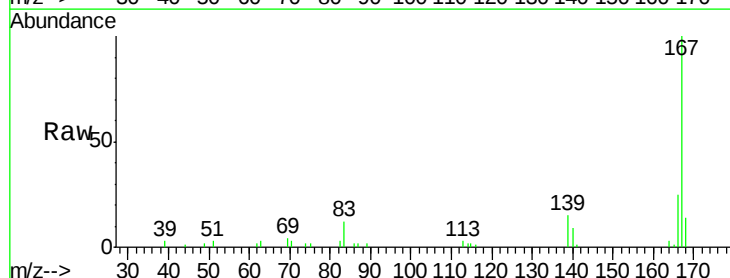
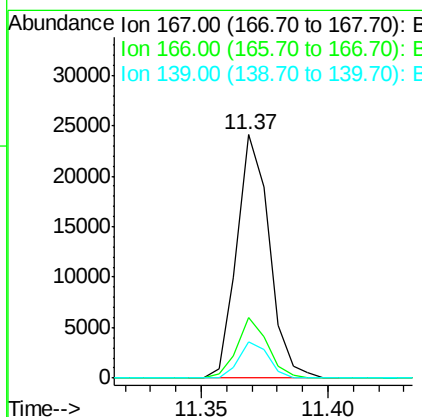
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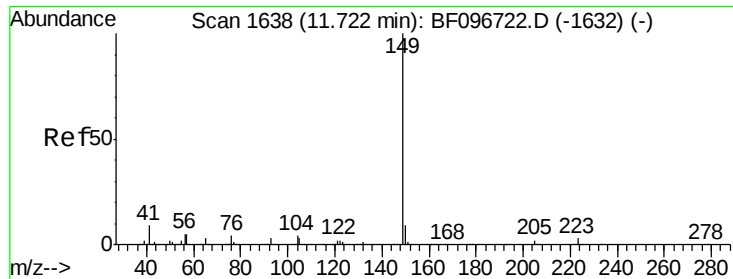
mohammad
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#72
 Carbazole
 Concen: 1.094 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.1	18.1	27.1
139	15.1	11.7	17.5





#73

Di-n-butylphthalate

Concen: 1.043 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

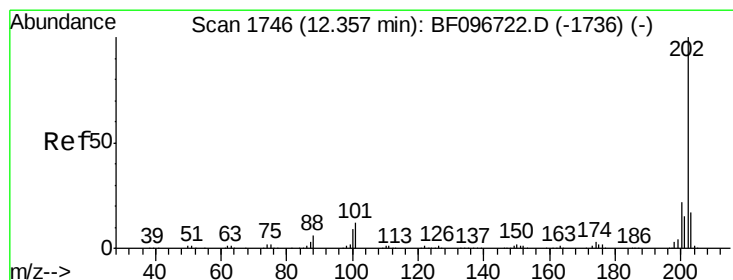
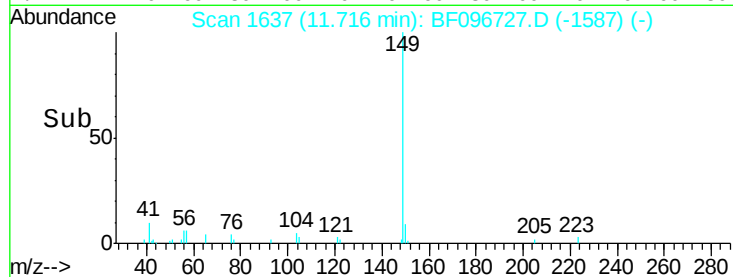
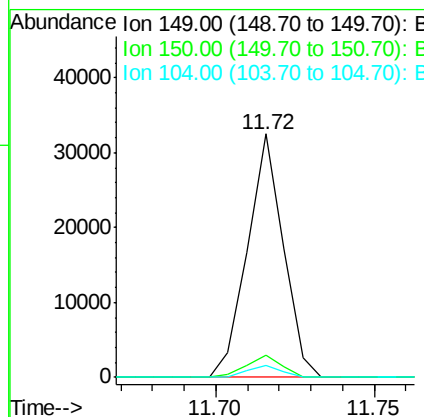
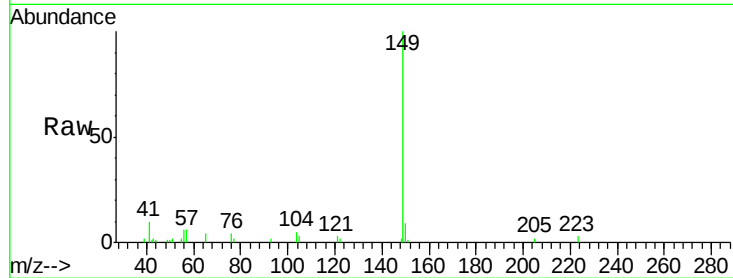
ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	149	Resp:	25503
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.7	11.5
104	5.1	4.0	6.0

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#74

Fluoranthene

Concen: 1.100 ng

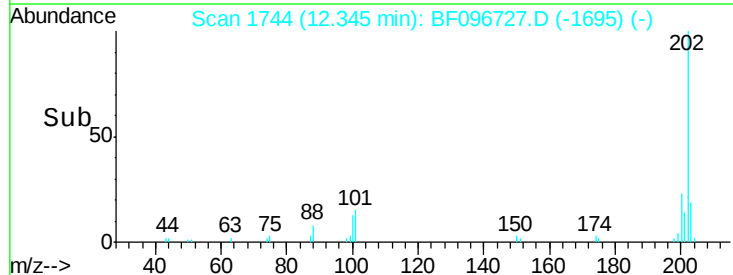
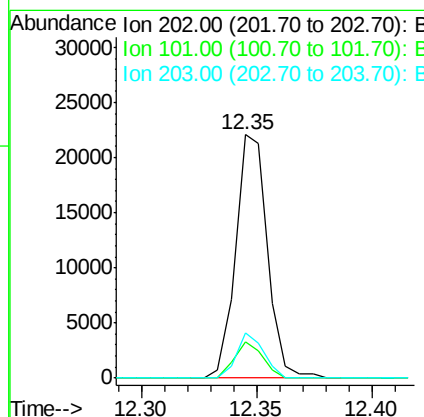
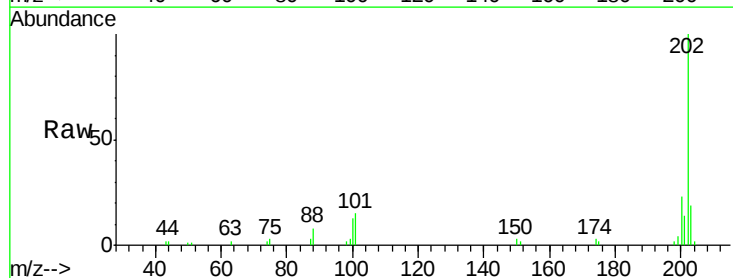
RT: 12.35 min Scan# 1744

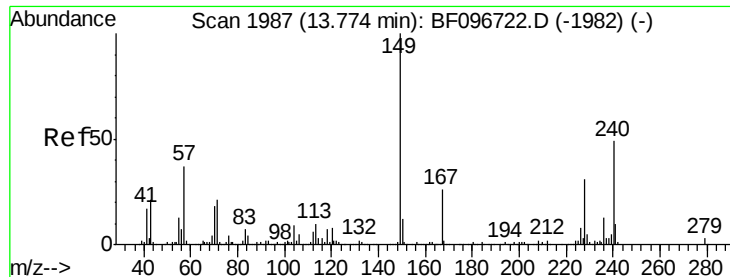
Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion:	202	Resp:	21118
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	33.2
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

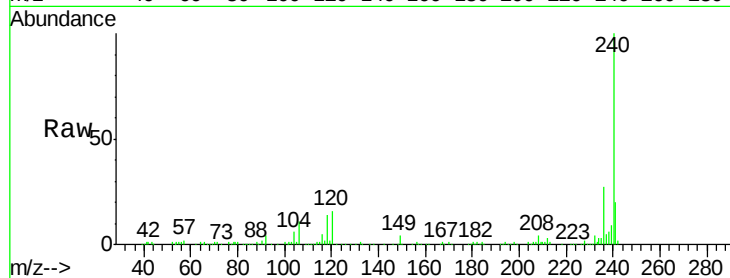
ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.7	5.8	8.8#
236	26.9	20.5	30.7

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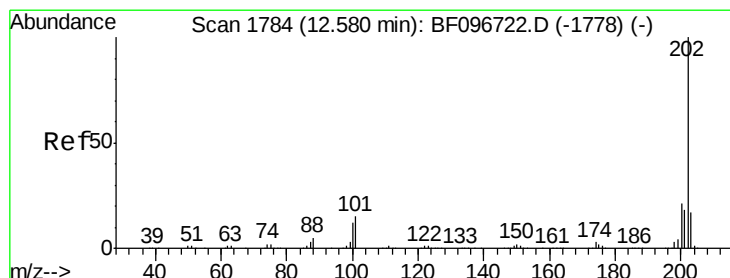
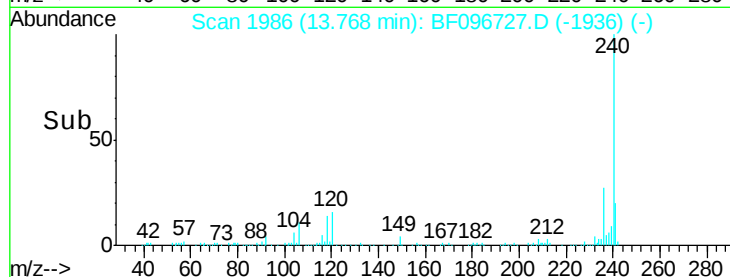
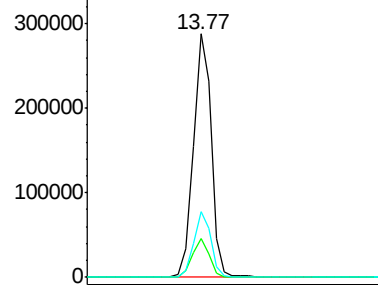
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 0.896 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF096727.D

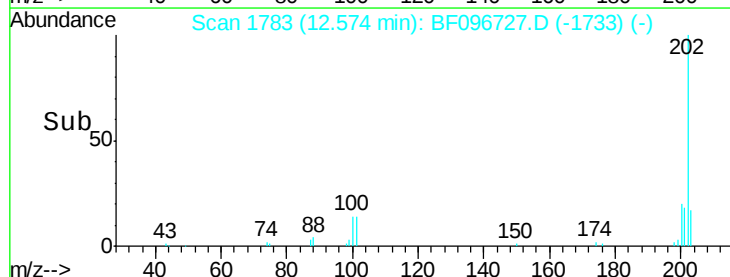
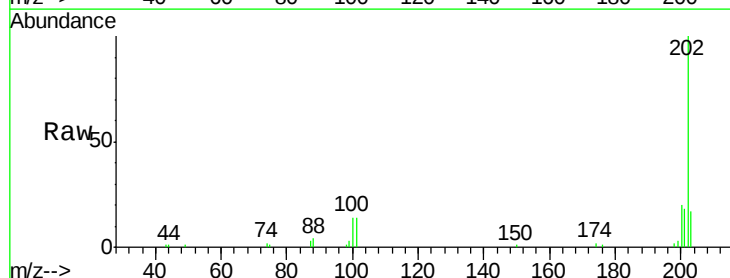
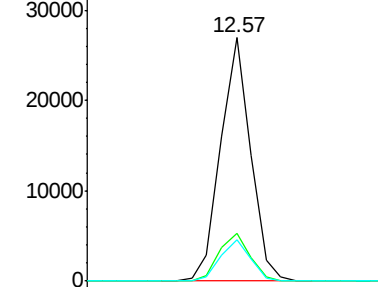
Acq: 13 Jul 2017 14:58

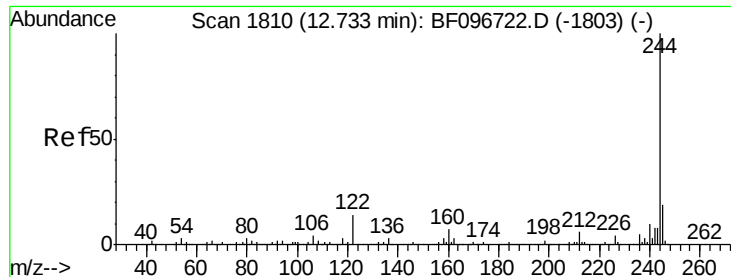
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.6	26.4
203	17.0	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.387 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

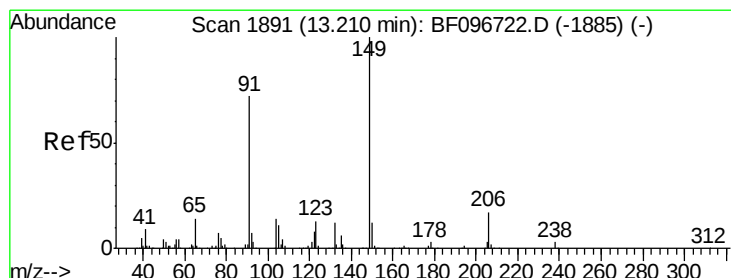
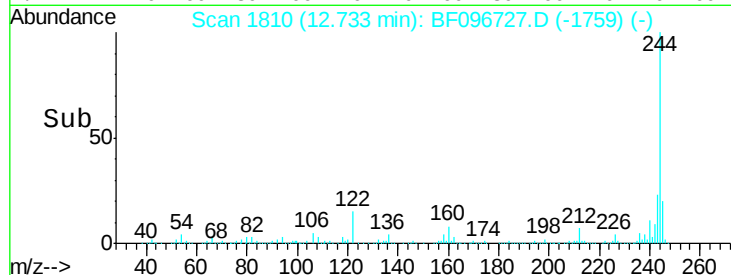
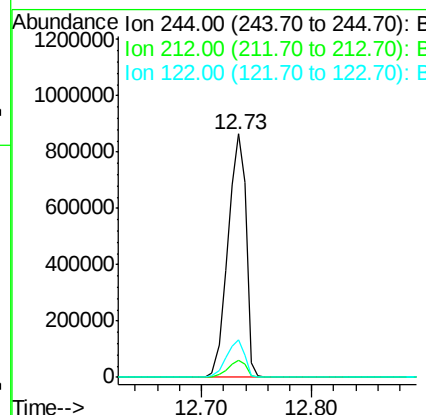
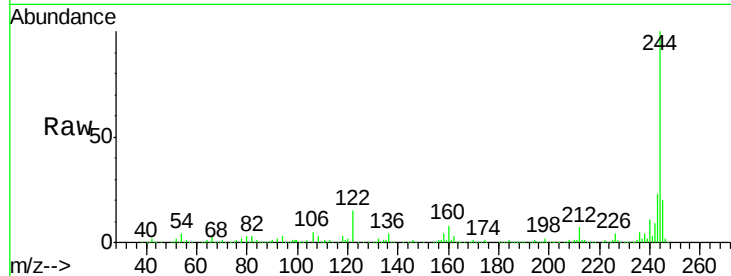
ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	244	Resp:	997934
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	15.4	10.3	15.5

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#79

Butylbenzylphthalate

Concen: 1.734 ng

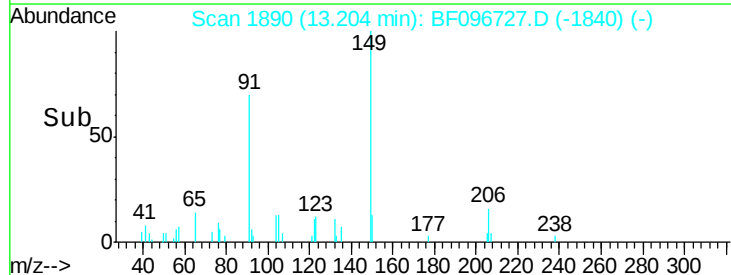
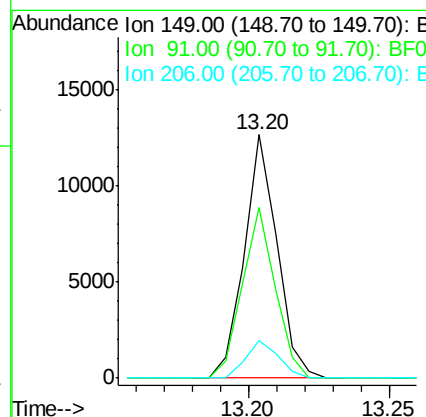
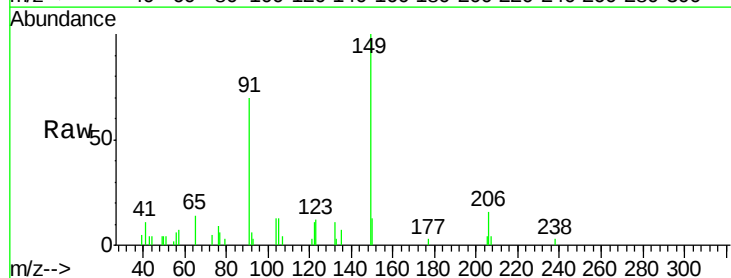
RT: 13.20 min Scan# 1890

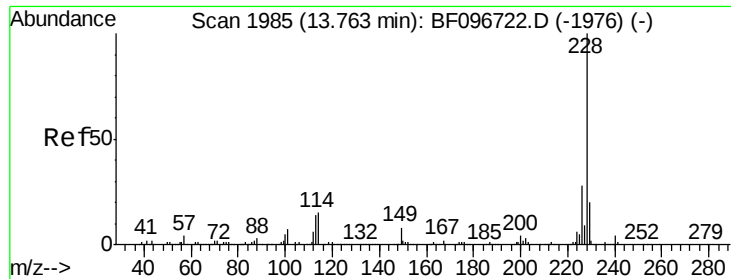
Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion:	149	Resp:	10205
Ion Ratio	Lower	Upper	
149	100		
91	70.0	45.0	67.4#
206	15.5	17.0	25.6#





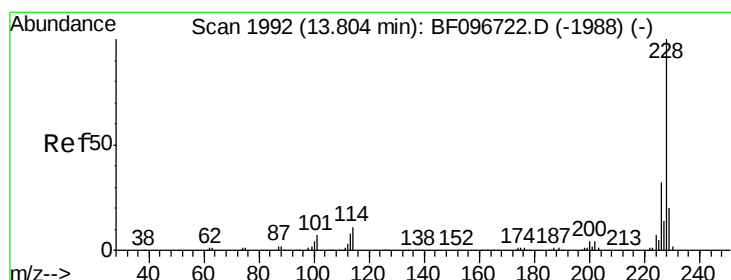
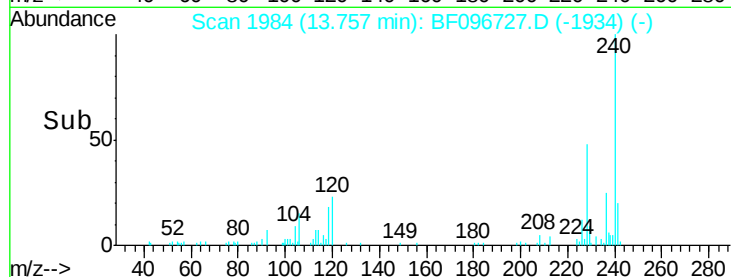
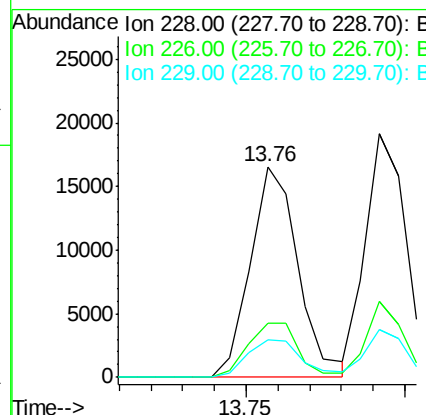
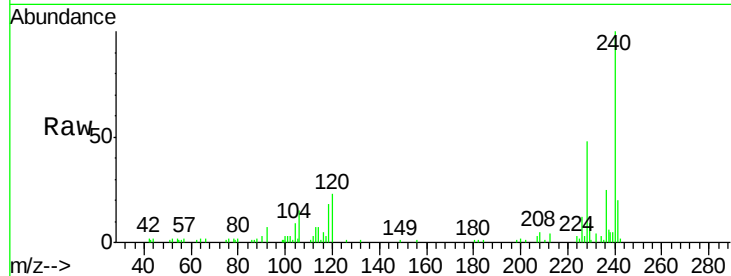
#80
Benzo(a)anthracene
Concen: 1.018 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.6	22.6	33.8
229	17.7	16.3	24.5

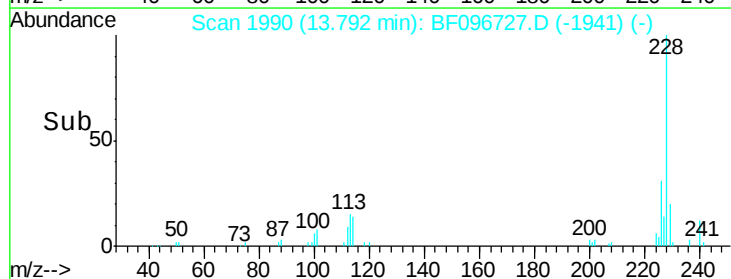
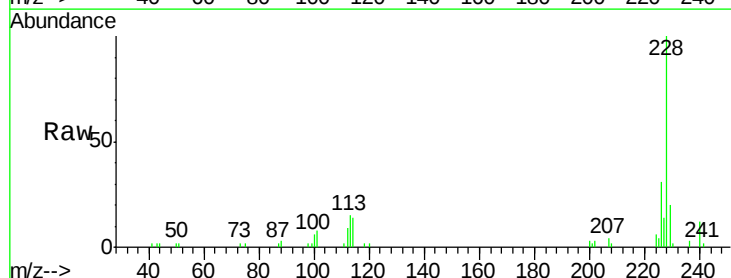
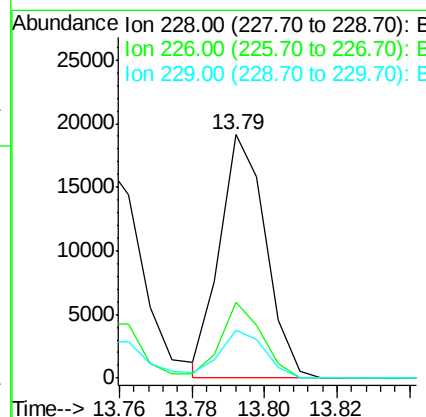
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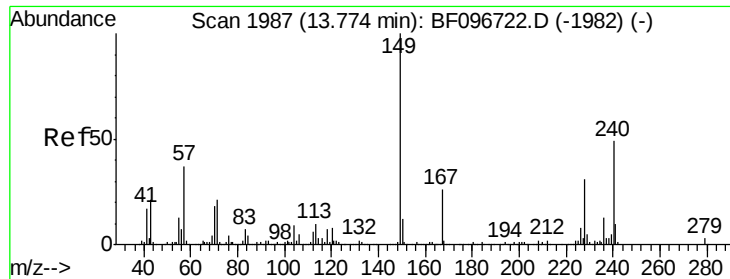
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#82
Chrysene
Concen: 1.005 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	19.6	15.8	23.6





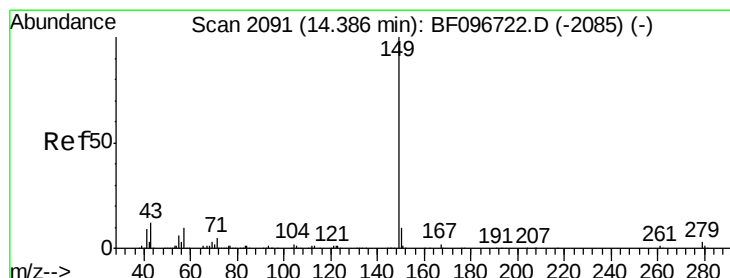
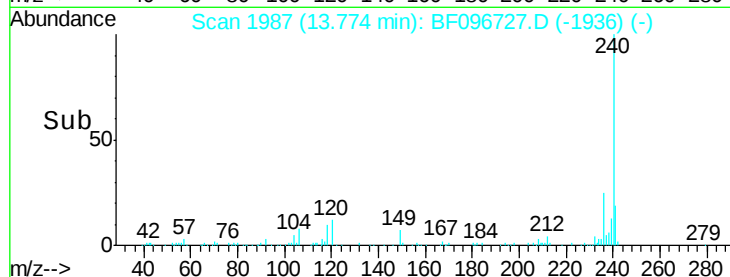
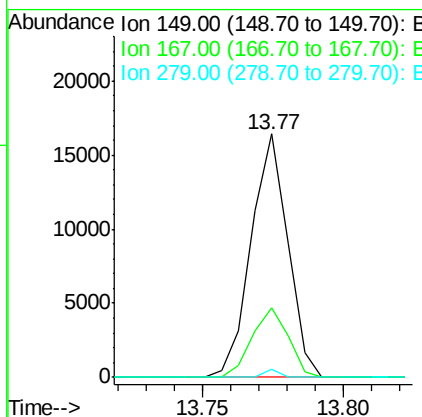
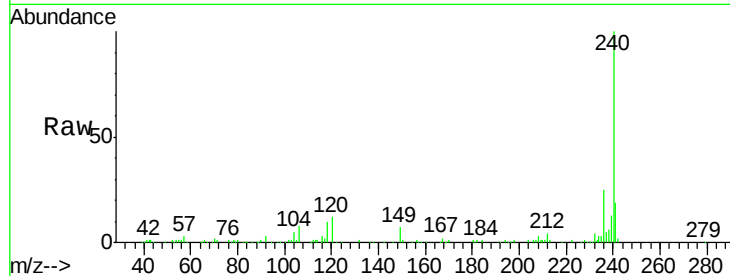
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.033 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	21.0	31.4
279	3.5	1.9	2.9#

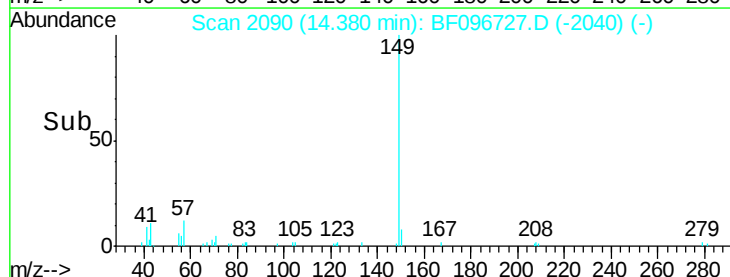
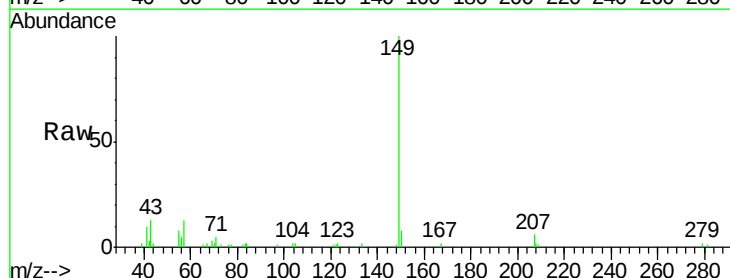
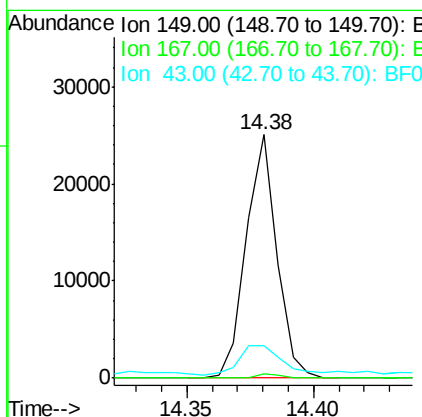
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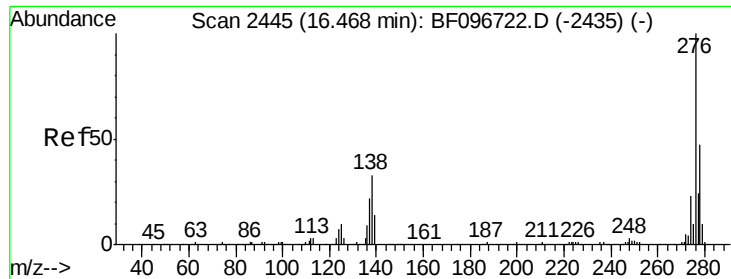
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#84
 Di-n-octyl phthalate
 Concen: 0.893 ng
 RT: 14.38 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	19.7	8.5	12.7#





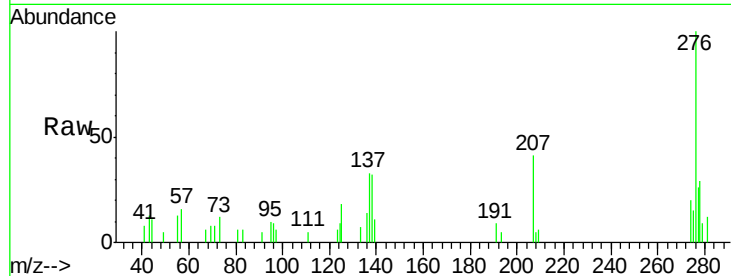
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.161 ng
 RT: 16.45 min Scan# 2442
 Delta R.T. -0.02 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

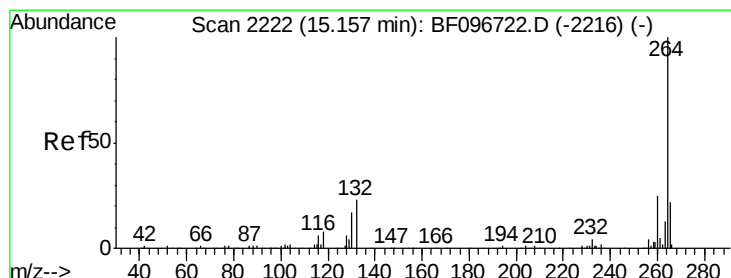
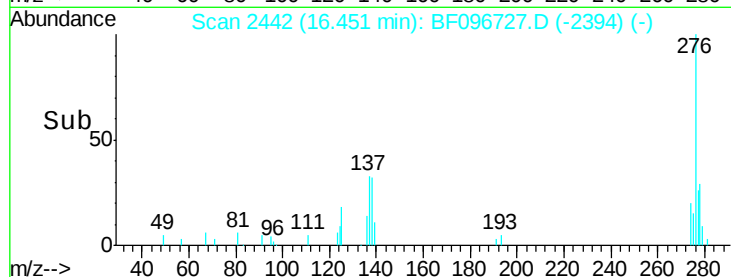
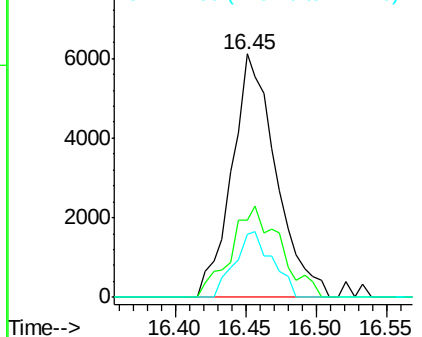
Tgt Ion	Ratio	Lower	Upper
276	100		
138	41.7	27.8	41.6#
277	22.7	20.2	30.4

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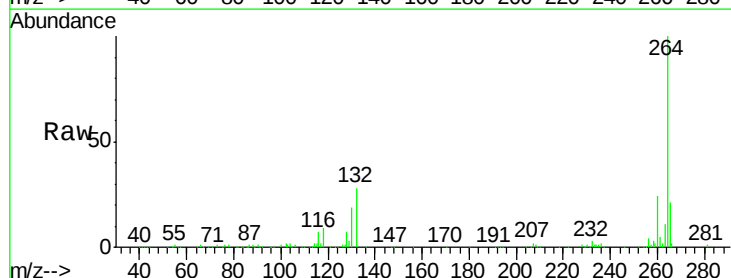


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

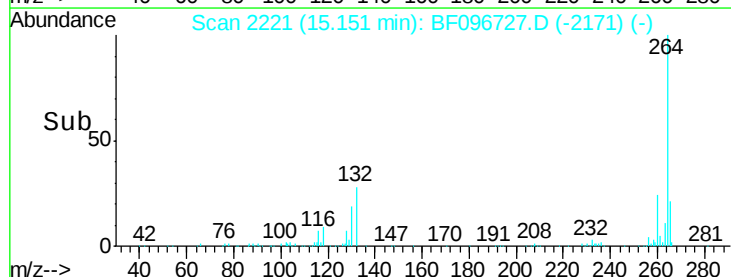
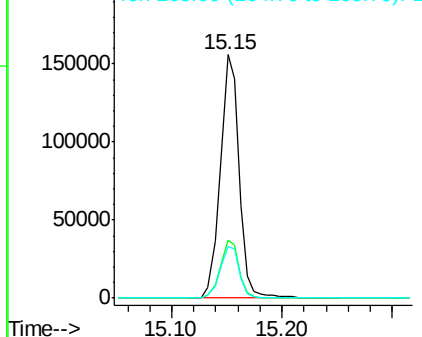


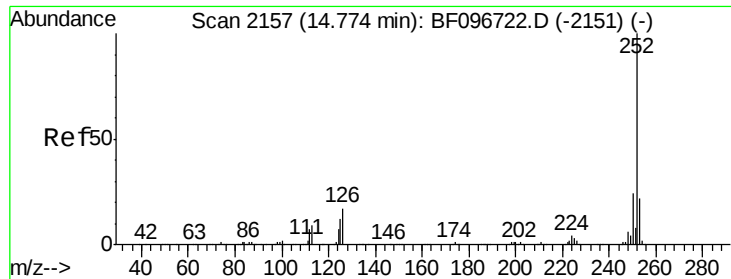
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.15 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.1	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





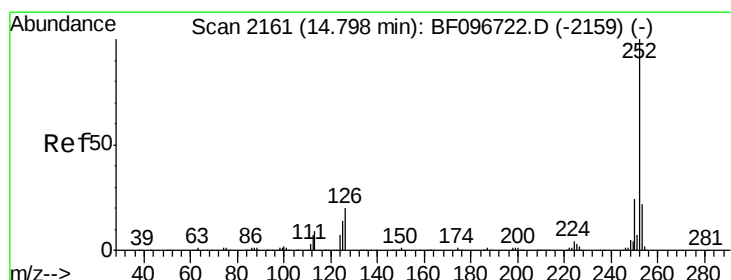
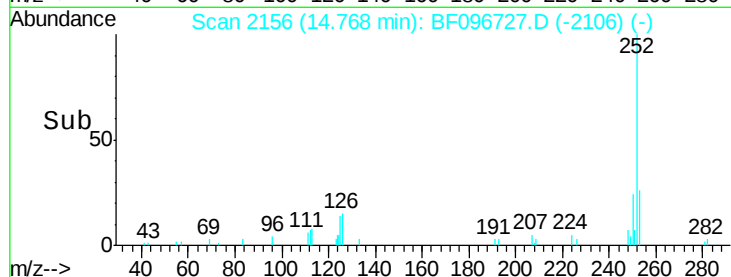
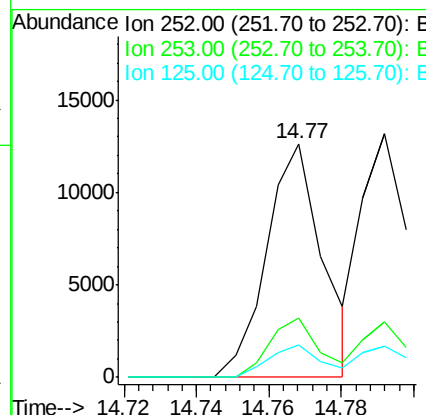
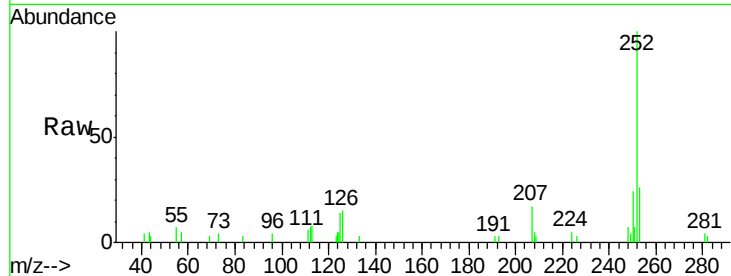
#87
Benzo(b)fluoranthene
Concen: 1.211 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	13.7	9.8	14.8

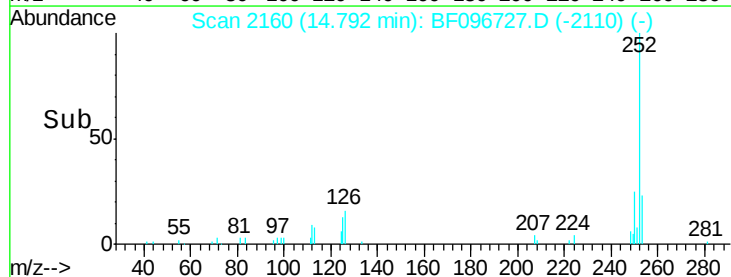
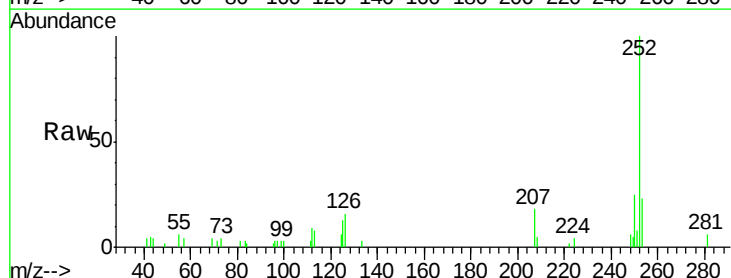
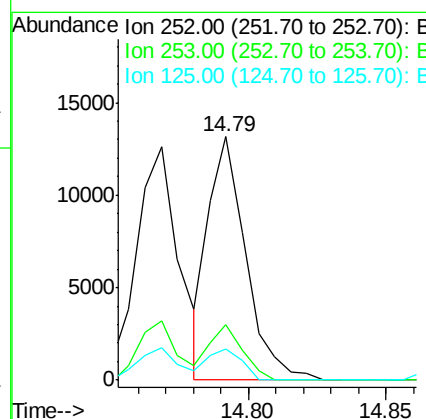
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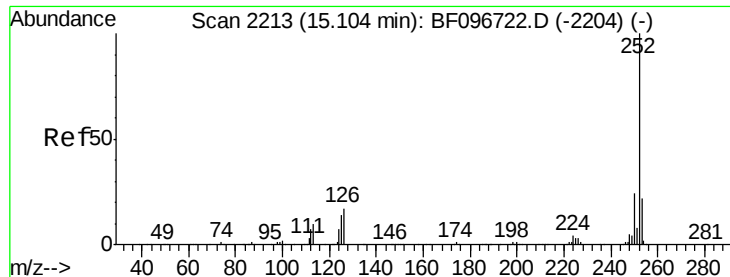
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#88
Benzo(k)fluoranthene
Concen: 1.182 ng m
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	12.7	13.1	19.7#





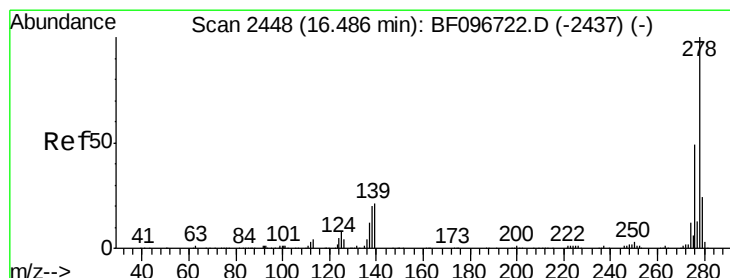
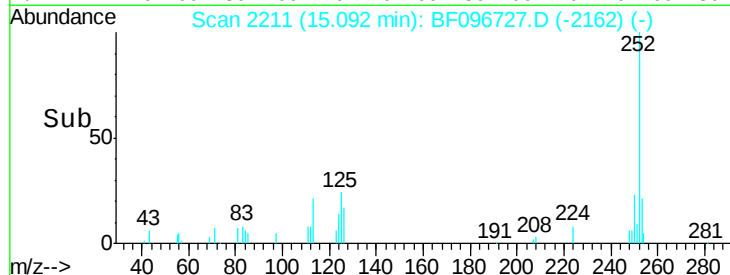
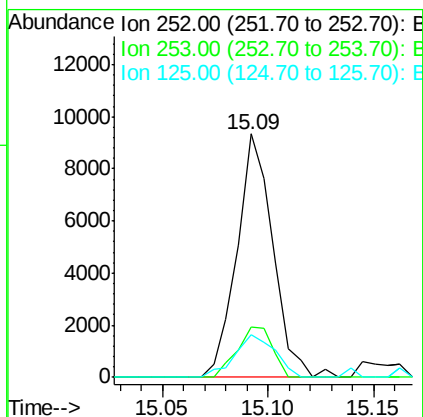
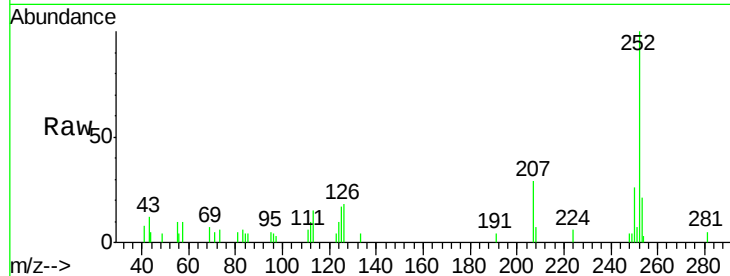
#89
Benzo(a)pyrene
Concen: 1.076 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.5	26.3
125	17.3	11.0	16.4

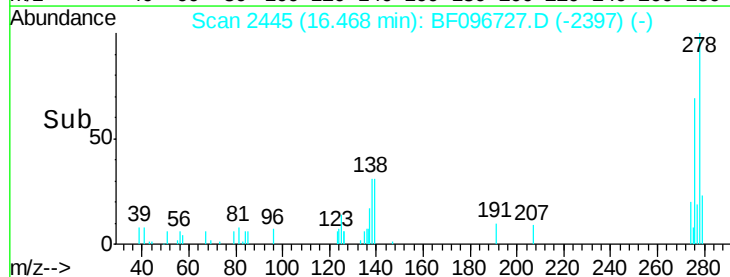
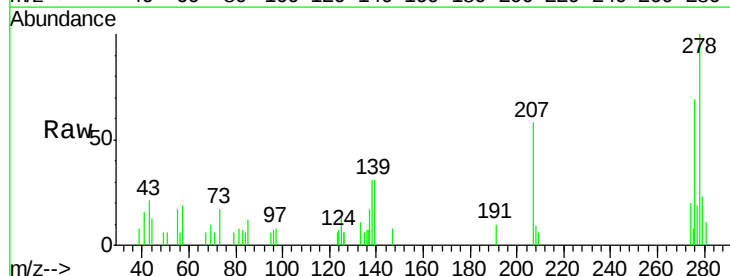
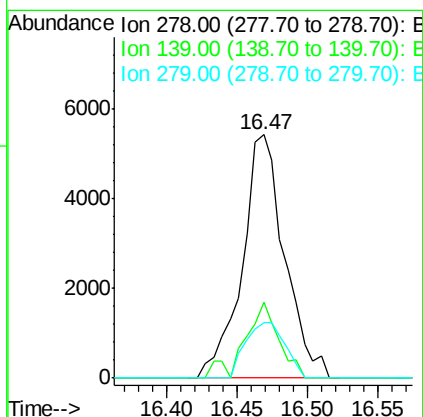
Manual Integrations
APPROVED

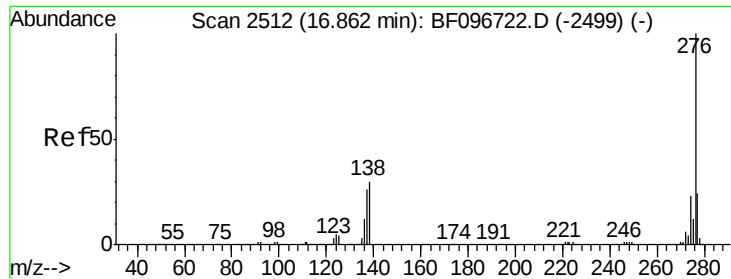
mohammad
7/17/2017 8:11:11 AM



#90
Dibenzo(a,h)anthracene
Concen: 1.212 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.4	16.6	24.8
279	22.7	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 1.148 ng
 RT: 16.84 min Scan# 2508
 Delta R.T. -0.02 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	31.2	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 7/17/2017 8:11:11 AM

