

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
 Data File : BF110082.D
 Acq On : 23 Oct 2018 17:25
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Manual Integrations
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 10/24/2018 5:11:56 PM

Quant Time: Oct 24 04:25:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	183771	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	775759	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	379769	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	746064	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	647942	20.00	ng	-0.02
87) Perylene-d12	15.67	264	585136	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1414832	125.37	ng	-0.02
7) Phenol-d6	6.59	99	1816483	125.84	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1078877	82.49	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	472046	125.48	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1945758	80.45	ng	-0.01
79) Terphenyl-d14	13.09	244	2048647	65.76	ng	-0.01

Target Compounds

						Qvalue
6) Aniline	6.63	93	13480	0.717	ng	# 53
8) 2-Chlorophenol	6.75	128	13740	1.056	ng	# 70
9) Benzaldehyde	6.52	77	8604	0.055	ng	88
10) Phenol	6.60	94	15756	1.021	ng	# 70
11) bis(2-Chloroethyl)ether	6.69	93	13867	1.092	ng	99
12) 1,3-Dichlorobenzene	6.90	146	15444m	1.079	ng	
13) 1,4-Dichlorobenzene	6.98	146	15360	1.061	ng	99
14) 1,2-Dichlorobenzene	7.13	146	14606	1.087	ng	97
15) Benzyl Alcohol	7.12	79	27211	2.451	ng	# 50
16) 2,2'-oxybis(1-Chloropropan	7.23	45	20455	1.008	ng	70
18) Hexachloroethane	7.47	117	5429	1.024	ng	89
24) Nitrobenzene	7.55	77	16942	1.255	ng	91
31) Naphthalene	8.27	128	42173	1.180	ng	98
34) Hexachlorobutadiene	8.38	225	6563	0.980	ng	93
37) 2-Methylnaphthalene	8.96	142	28690	1.213	ng	92
40) 1,2,4,5-Tetrachlorobenzene	9.12	216	11950	1.010	ng	97
46) 1,1'-Biphenyl	9.42	154	38839	1.131	ng	99
47) 2-Chloronaphthalene	9.45	162	26416	1.049	ng	98
48) 2-Nitroaniline	9.55	65	7076	0.927	ng	94
49) Acenaphthylene	9.87	152	40524	1.114	ng	98
50) Dimethylphthalate	9.71	163	29561	1.054	ng	# 99
51) 2,6-Dinitrotoluene	9.78	165	5314	0.880	ng	88
52) Acenaphthene	10.04	154	24902	1.035	ng	92
55) Dibenzofuran	10.21	168	37201	1.104	ng	96
58) Fluorene	10.56	166	29906	1.192	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.33	232	6041	0.919	ng	# 98
60) Diethylphthalate	10.42	149	28908	1.056	ng	99
63) Azobenzene	10.70	77	28552	1.051	ng	97
66) n-Nitrosodiphenylamine	10.66	169	24788	1.013	ng	93
67) 4-Bromophenyl-phenylether	11.04	248	7939	0.981	ng	88
68) Hexachlorobenzene	11.10	284	8858	1.032	ng	98
69) Atrazine	11.18	200	7932	1.026	ng	98
71) Phenanthrene	11.52	178	46504	1.191	ng	97
72) Anthracene	11.57	178	45989	1.175	ng	98

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Manual Integrations
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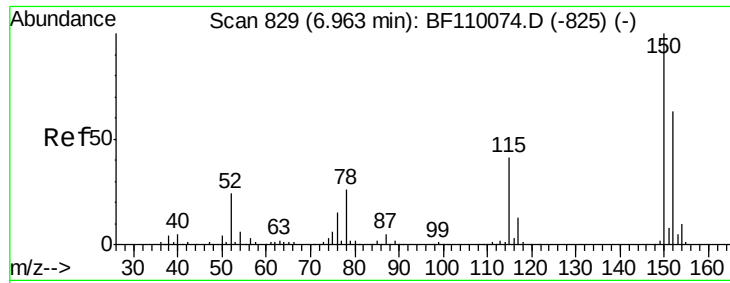
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Carbazole	11.73	167	39963	1.046	ng	97
74) Di-n-butylphthalate	12.05	149	44661	1.035	ng	98
75) Fluoranthene	12.72	202	46504	1.174	ng	98
78) Pyrene	12.94	202	46571	1.003	ng	98
80) Butylbenzylphthalate	13.55	149	17728	0.879	ng	97
81) Benzo(a)anthracene	14.13	228	43252	1.126	ng	100
83) Chrysene	14.17	228	41193	1.129	ng	98
84) Bis(2-ethylhexyl)phthalate	14.10	149	26151	0.959	ng	95
85) Di-n-octyl phthalate	14.73	149	40177	0.948	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.22	276	31965	1.056	ng	# 94
88) Benzo(b)fluoranthene	15.21	252	37771	1.118	ng	98
89) Benzo(k)fluoranthene	15.24	252	33173	0.999	ng	# 95
90) Benzo(a)pyrene	15.60	252	33261	1.070	ng	99
91) Dibenzo(a,h)anthracene	17.24	278	26600	0.992	ng	95
92) Benzo(g,h,i)perylene	17.69	276	25497	0.964	ng	# 89

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



#1

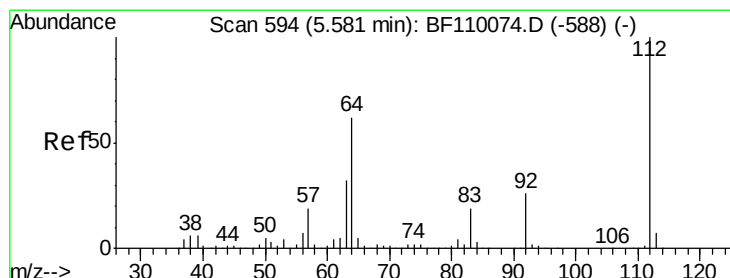
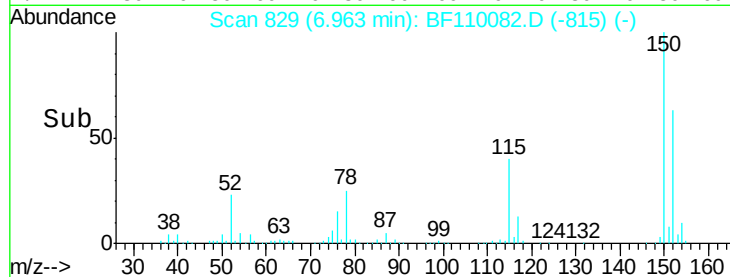
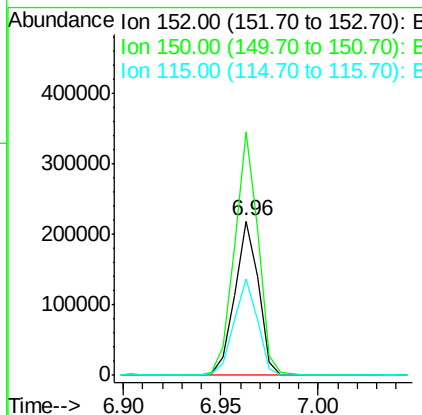
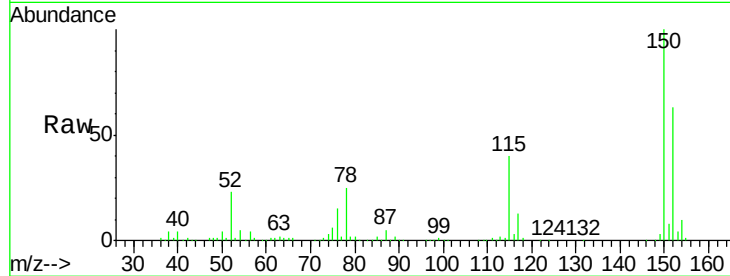
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.7	184.1
115	62.8	49.1	73.7

Manual Integrations
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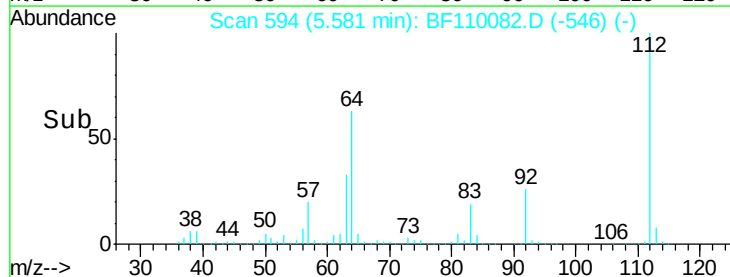
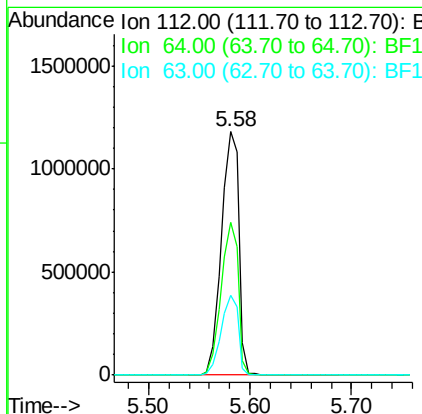
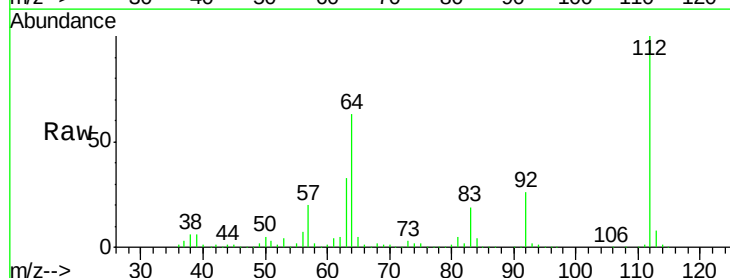
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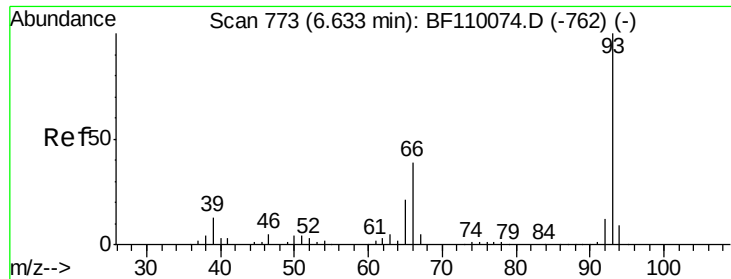


#5

2-Fluorophenol
Concen: 125.373 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	44.1	66.1
63	32.7	23.7	35.5





#6

Aniline

Concen: 0.717 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

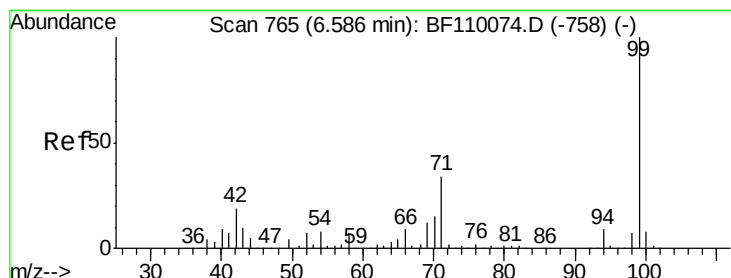
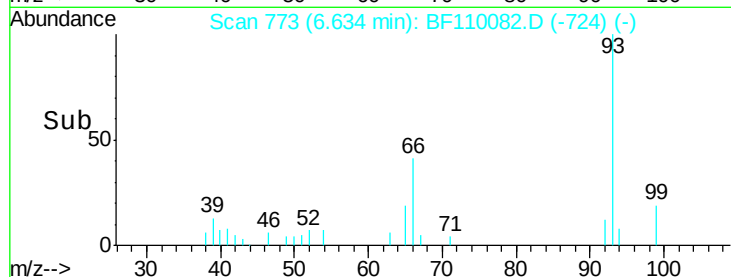
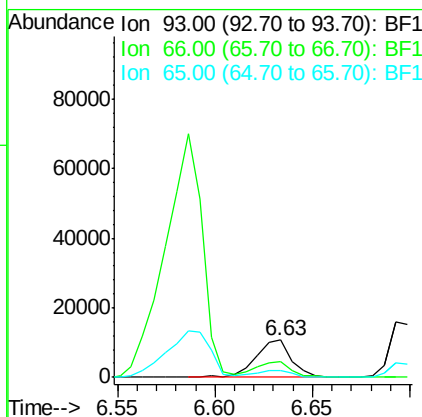
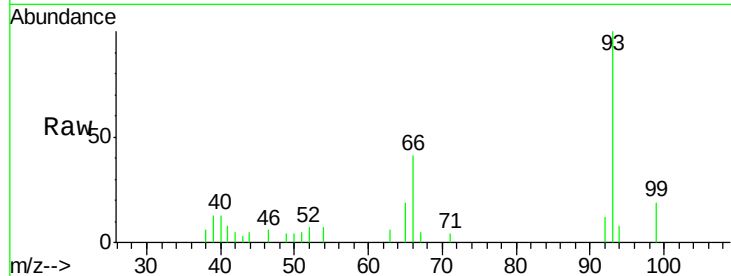
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	93	Resp:	13480
Ion	Ratio	Lower	Upper
93	100		
66	41.2	67.4	101.0#
65	19.0	41.0	61.4#

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#7

Phenol-d6

Concen: 125.844 ng

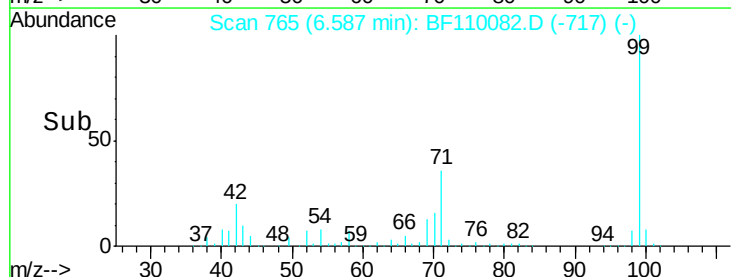
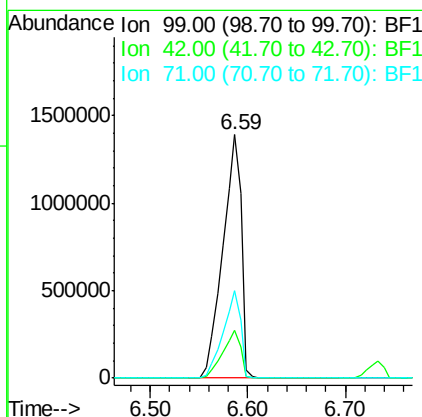
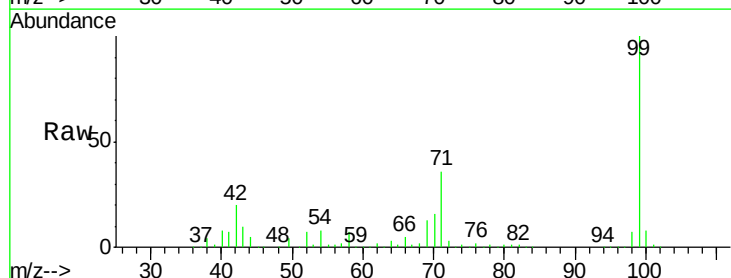
RT: 6.59 min Scan# 765

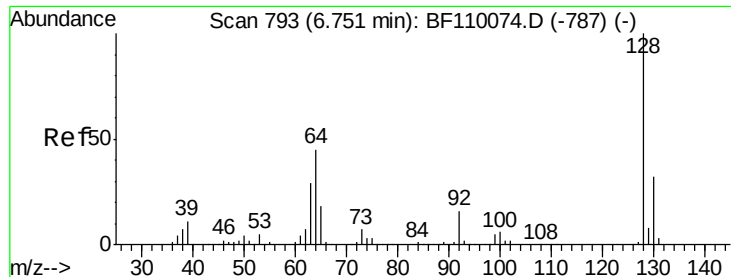
Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	99	Resp:	1816483
Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.8	23.6
71	35.8	28.0	42.0





#8

2-Chlorophenol

Concen: 1.056 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

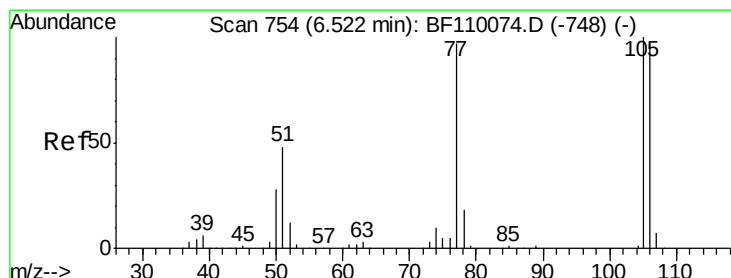
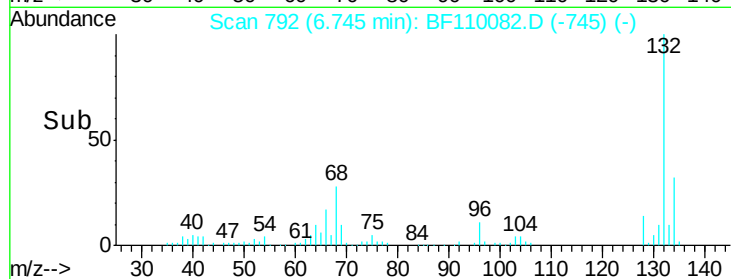
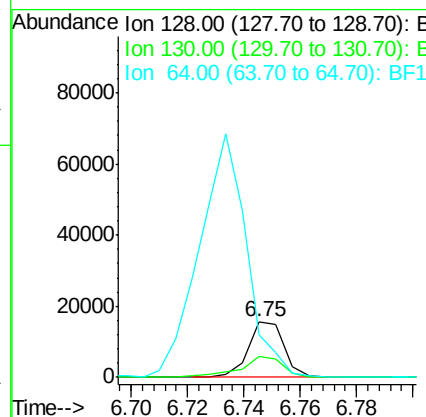
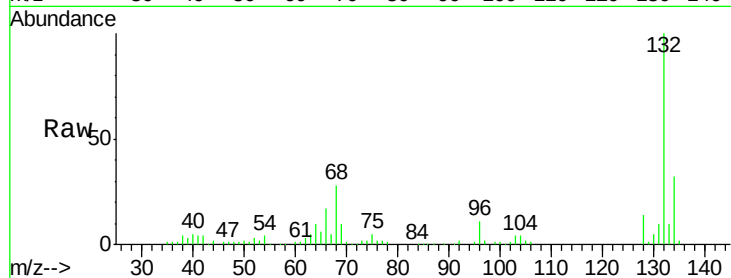
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	128	Resp:	13740
Ion Ratio	Lower	Upper	
128	100		
130	37.3	13.1	53.1
64	76.8	26.0	66.0#

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#9

Benzaldehyde

Concen: 0.055 ng

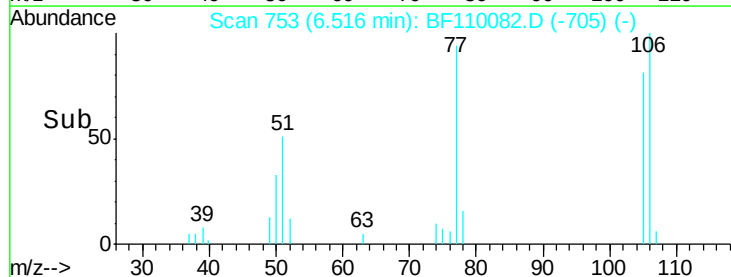
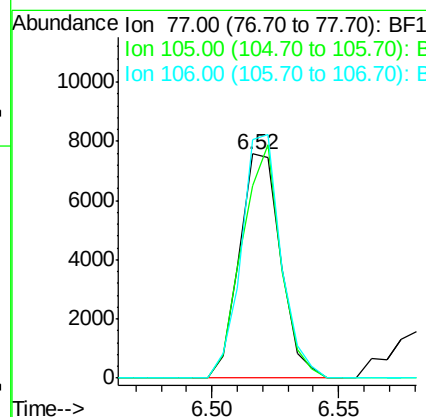
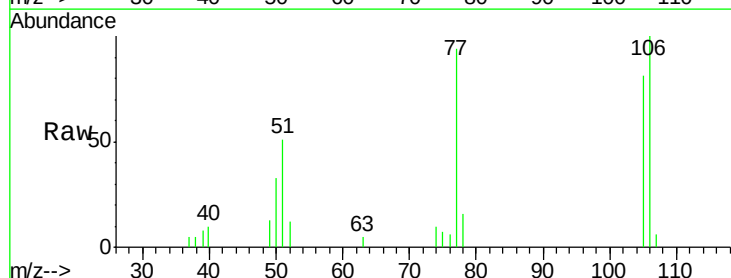
RT: 6.52 min Scan# 753

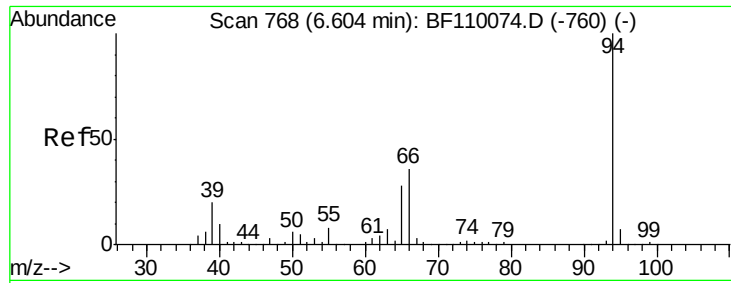
Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	77	Resp:	8604
Ion Ratio	Lower	Upper	
77	100		
105	85.9	78.6	118.6
106	106.1	74.8	114.8





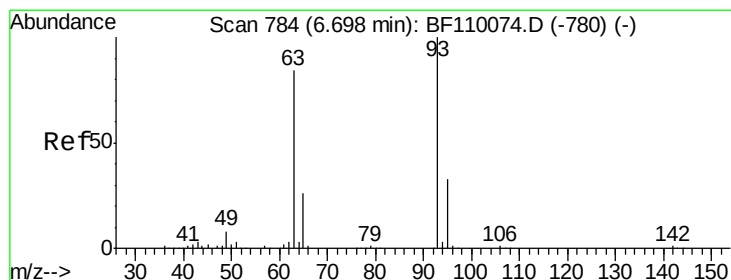
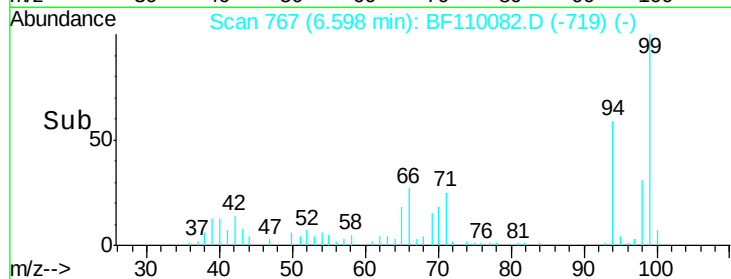
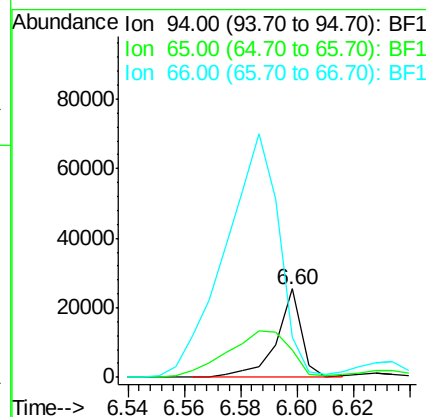
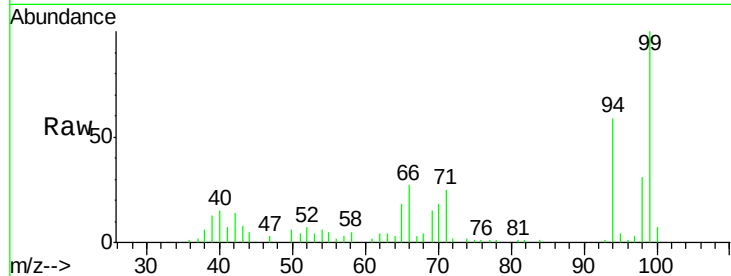
#10
Phenol
Concen: 1.021 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.0	25.3	65.3
66	44.8	54.5	94.5#

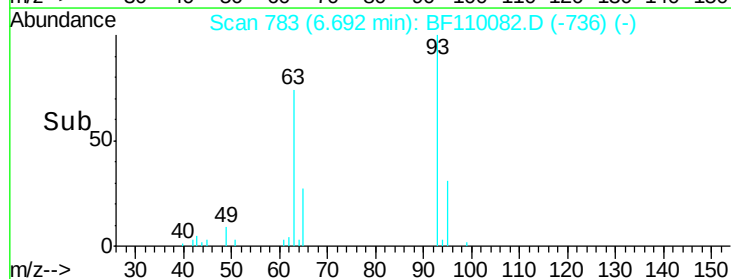
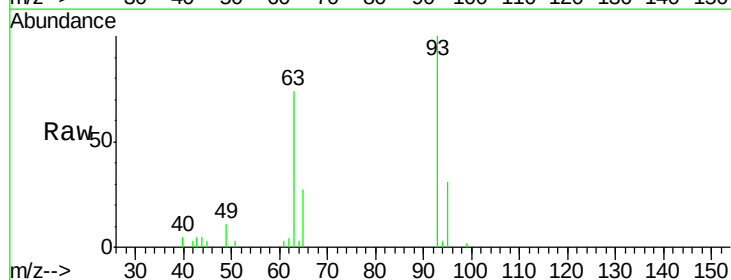
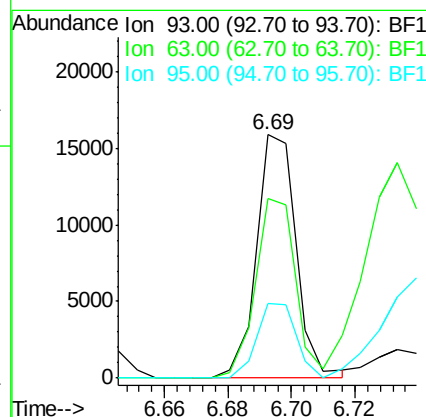
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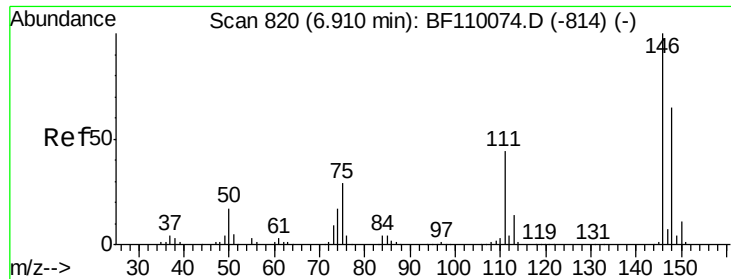
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#11
bis(2-Chloroethyl)ether
Concen: 1.092 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
93	100		
63	73.6	53.4	93.4
95	30.8	12.1	52.1





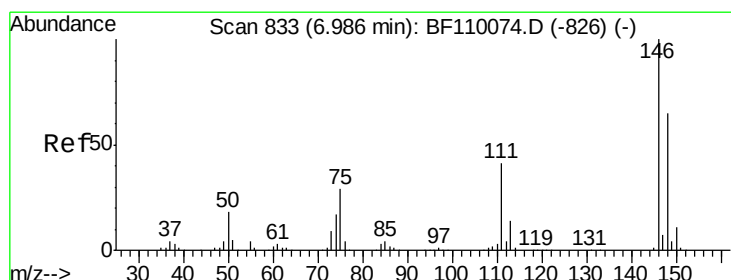
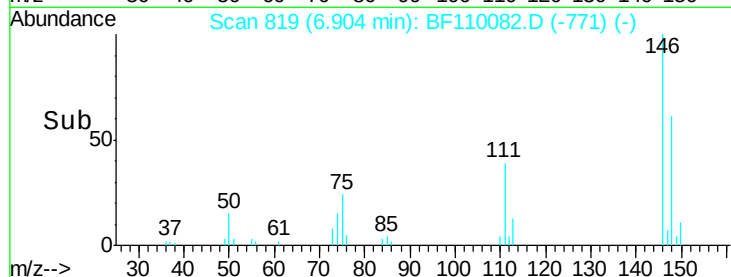
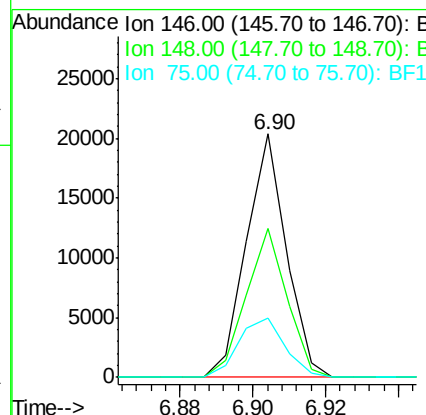
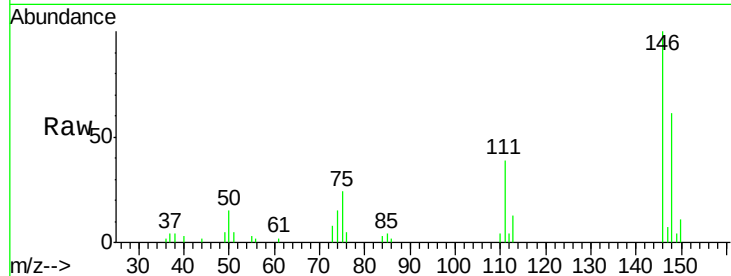
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 1,3-Dichlorobenzene
 Concen: 1.079 ng m
 RT: 6.90 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.2	50.4	75.6
75	24.2	25.8	38.6

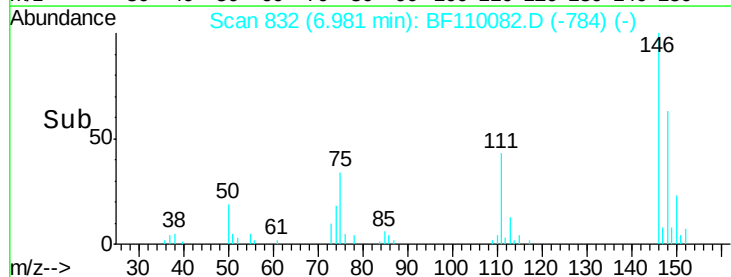
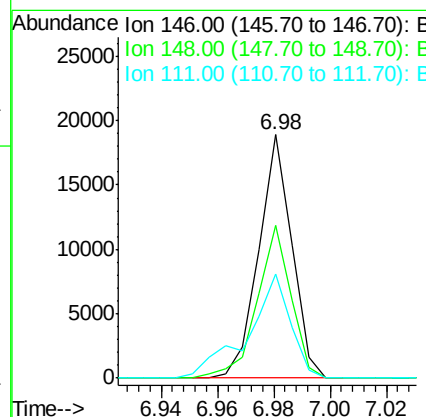
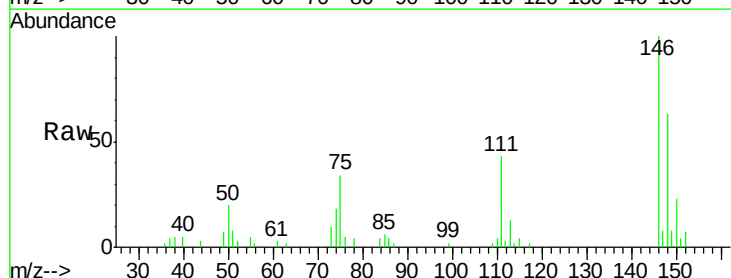
Manual Integrations
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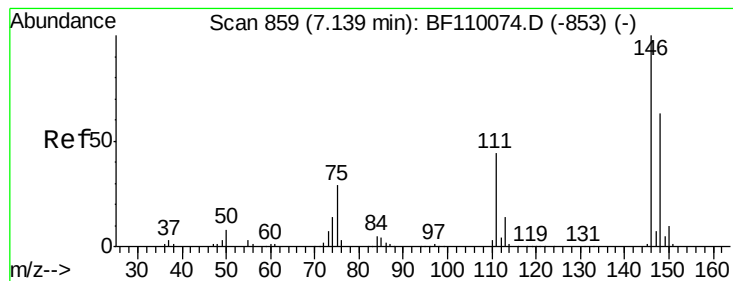
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#13
 1,4-Dichlorobenzene
 Concen: 1.061 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	42.6	32.7	49.1





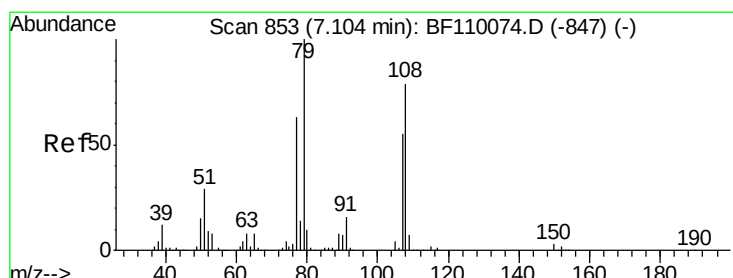
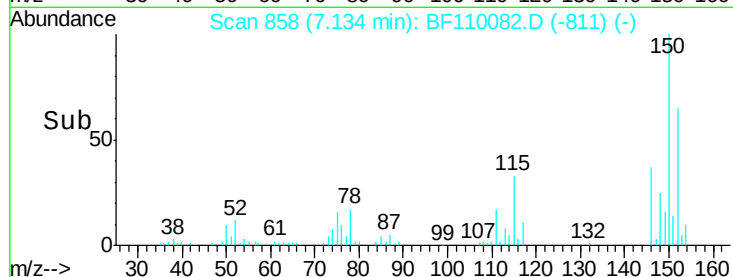
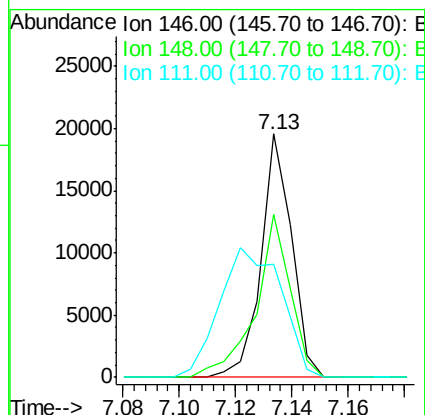
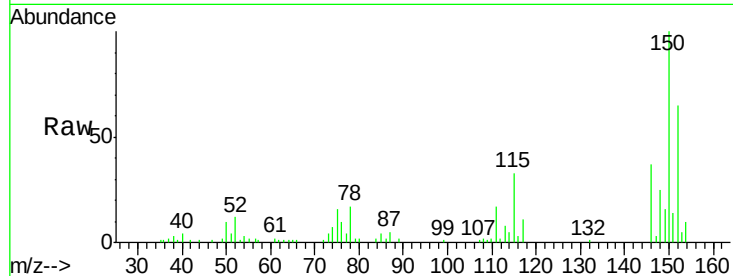
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1,2-Dichlorobenzene
Concen: 1.087 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.1	76.7
111	46.4	35.8	53.6

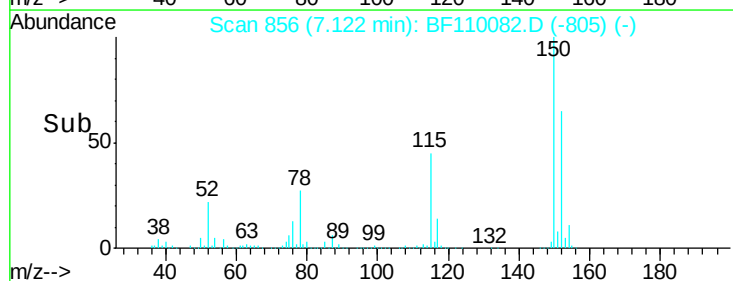
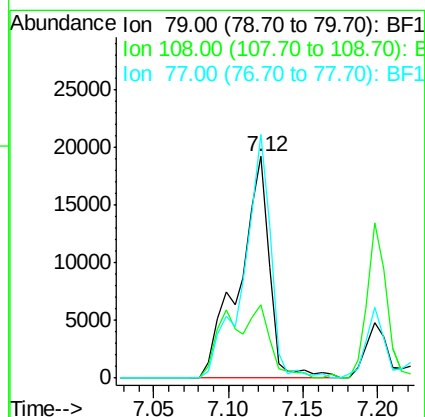
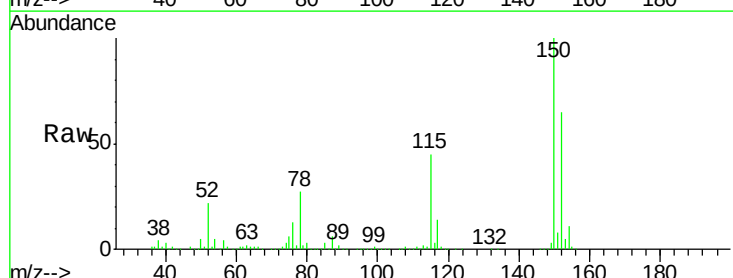
Manual Integrations
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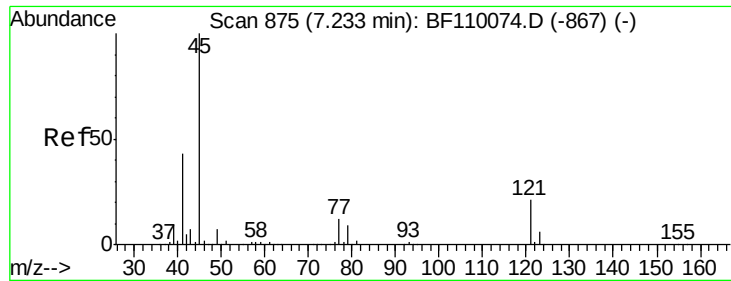
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#15
Benzyl Alcohol
Concen: 2.451 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.00 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
79	100		
108	33.0	56.3	84.5#
77	109.8	52.9	79.3#





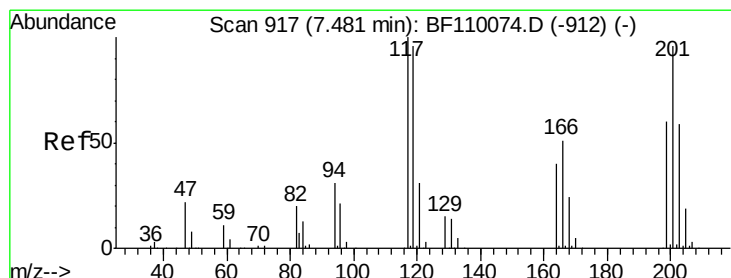
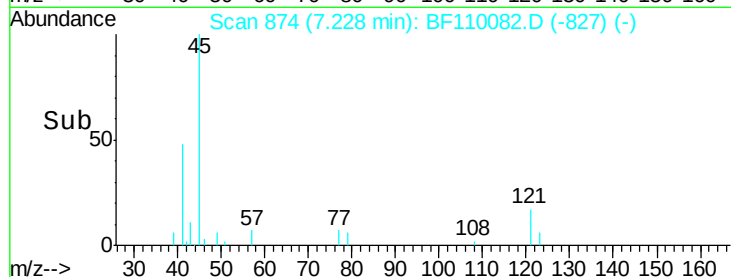
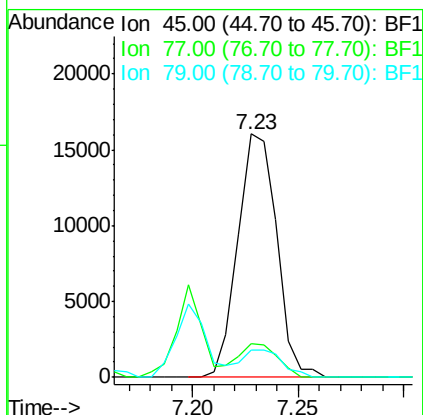
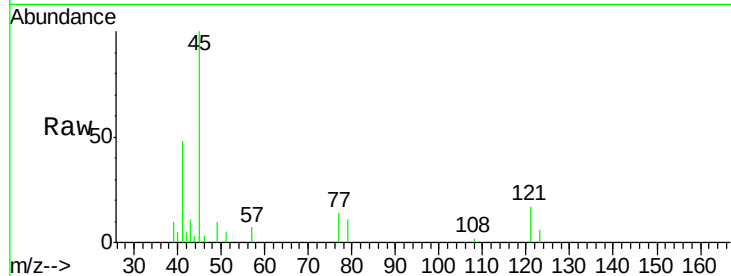
#16
2,2'-oxybis(1-chloropropane)
Concen: 1.008 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.7	10.0	50.0
79	11.0	6.1	46.1

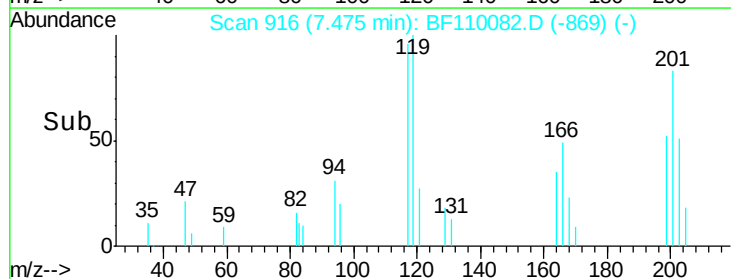
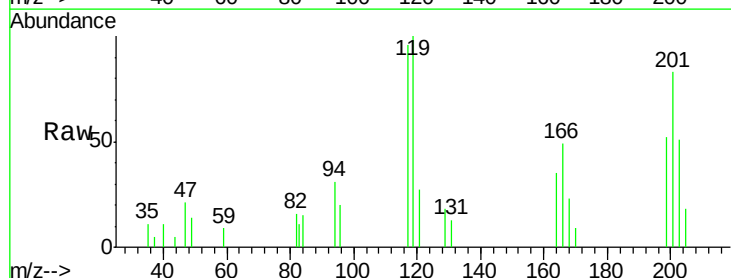
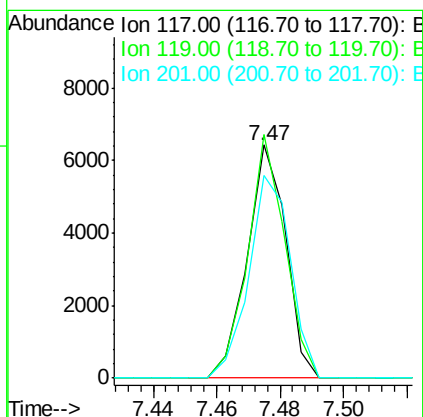
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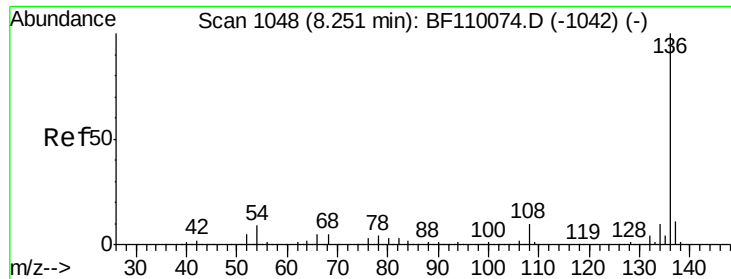
Sohil
10/24/2018 5:11:56 PM



#18
Hexachloroethane
Concen: 1.024 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.4	75.0	112.6
201	87.2	79.2	118.8





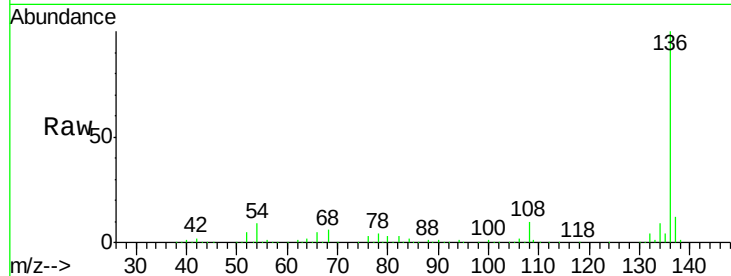
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

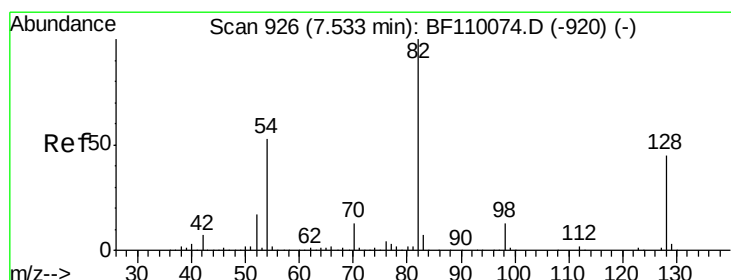
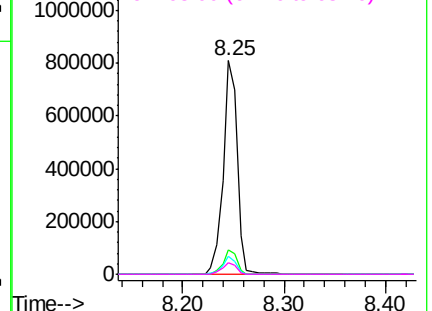
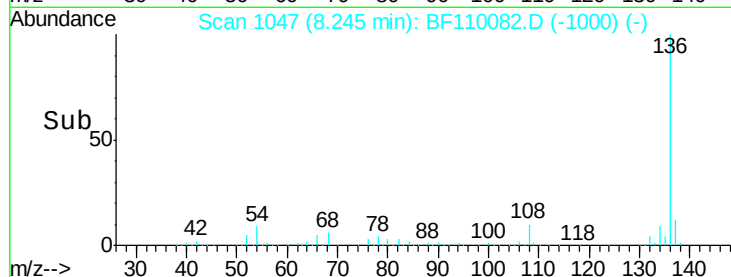
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	775759		
137	11.7	8.8	13.2	
54	8.7	5.4	8.2#	
68	5.7	4.2	6.2	

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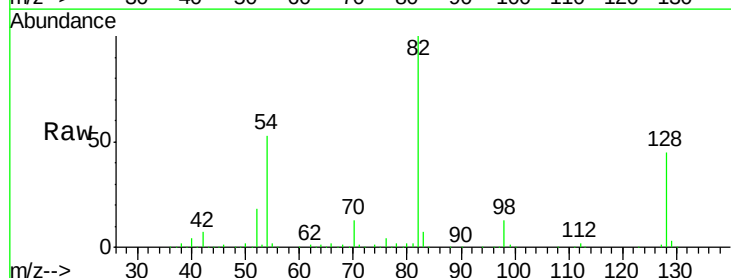


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

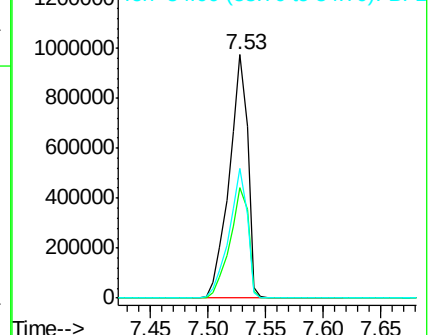
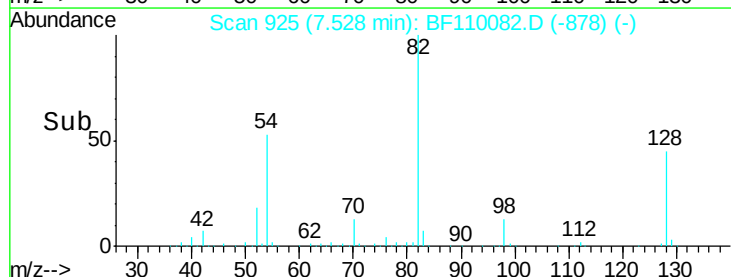


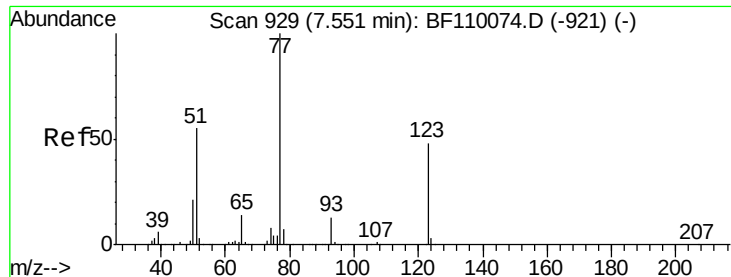
#23
Nitrobenzene-d5
Concen: 82.489 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1078877		
128	45.4	34.2	51.2	
54	53.3	38.6	58.0	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





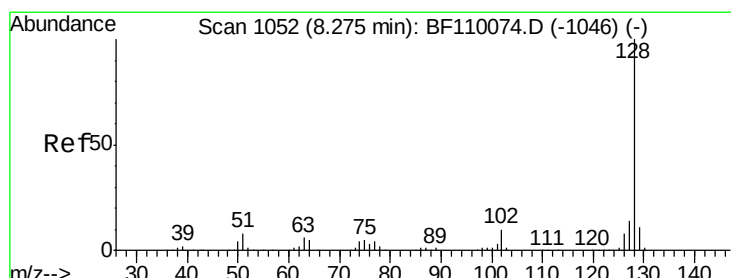
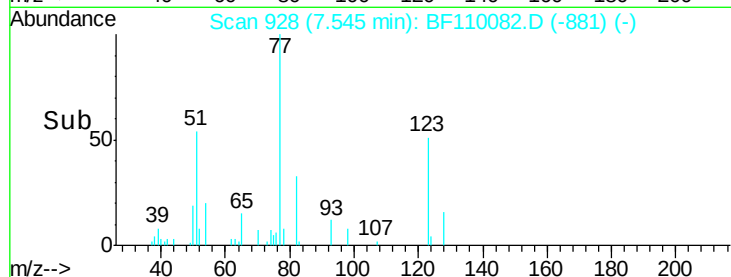
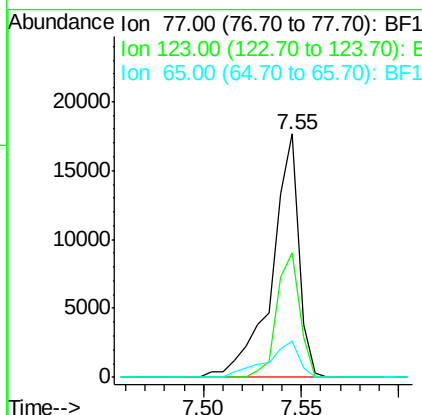
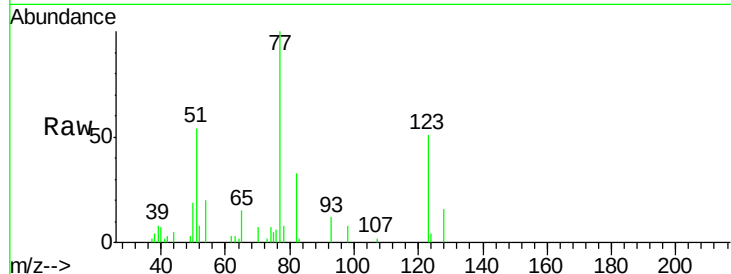
#24
Nitrobenzene
Concen: 1.255 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.0	35.7	53.5
65	15.0	10.7	16.1

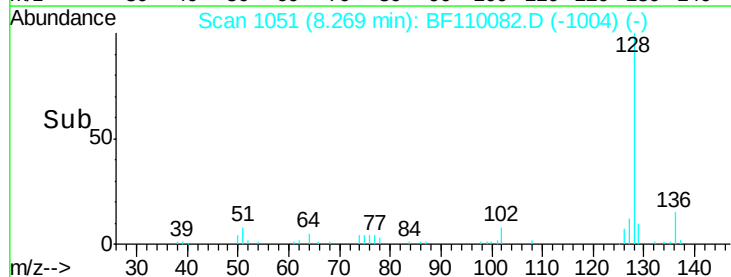
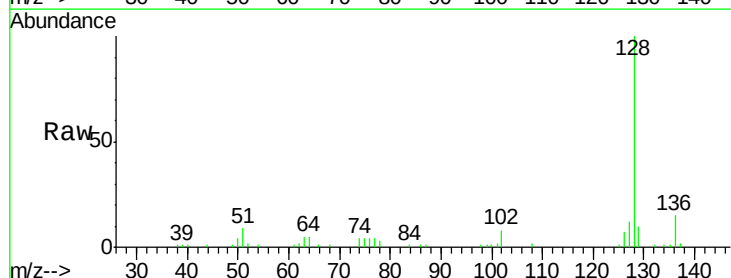
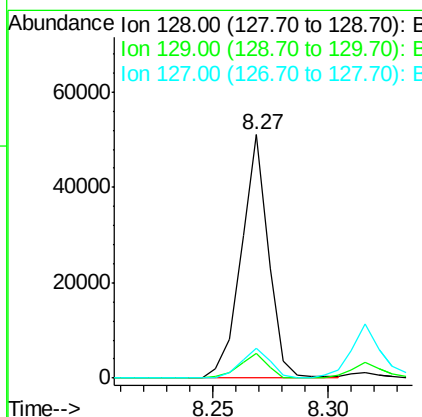
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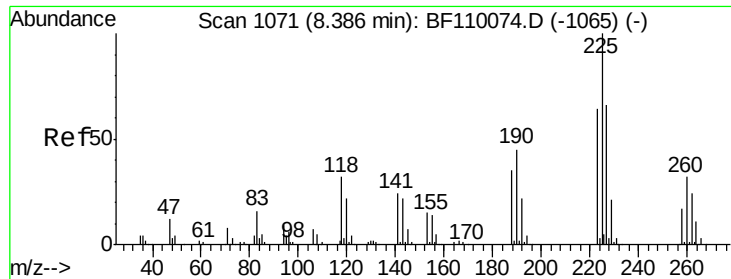
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#31
Naphthalene
Concen: 1.180 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.4	10.8	16.2





#34

Hexachlorobutadiene

Concen: 0.980 ng

RT: 8.38 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

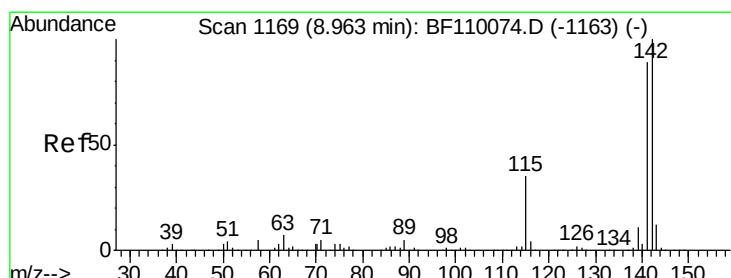
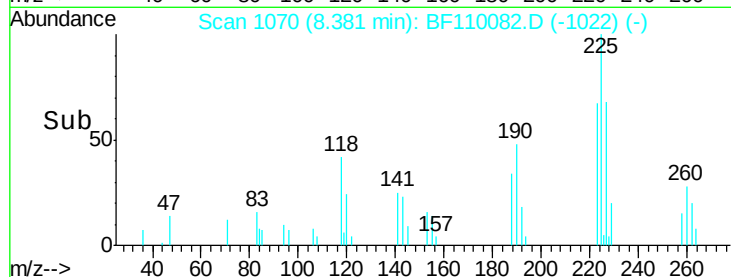
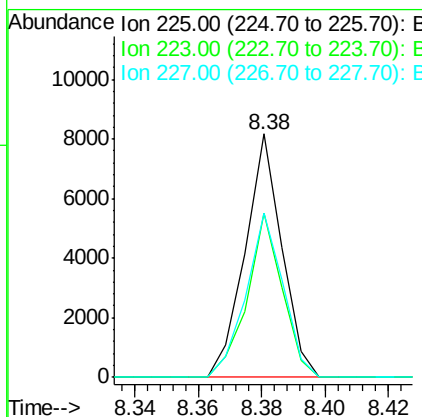
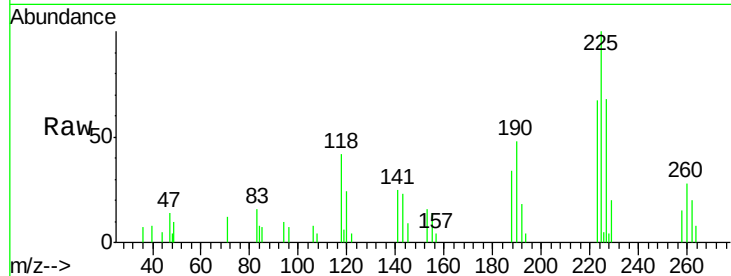
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	225	Resp:	6563
Ion Ratio	Lower	Upper	
225	100		
223	67.4	51.4	77.2
227	71.9	51.0	76.6

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#37

2-Methylnaphthalene

Concen: 1.213 ng

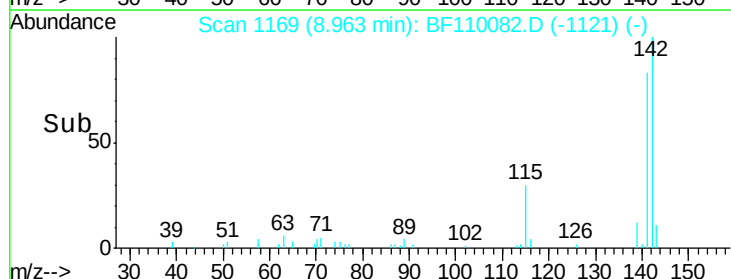
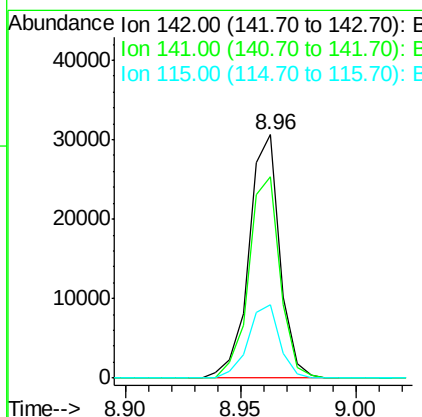
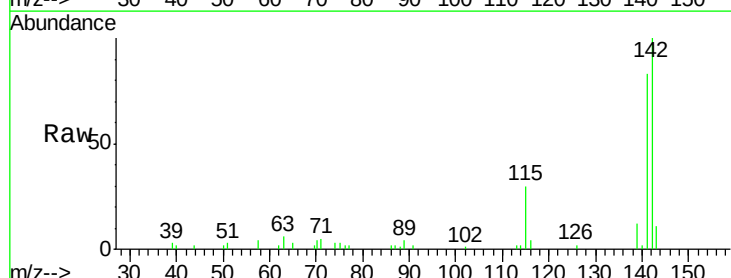
RT: 8.96 min Scan# 1169

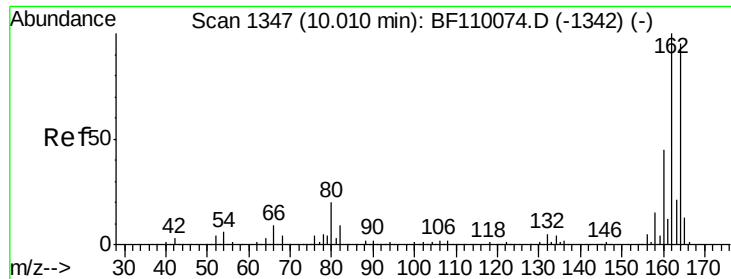
Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	142	Resp:	28690
Ion Ratio	Lower	Upper	
142	100		
141	82.6	71.4	107.2
115	30.3	28.7	43.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110082.D

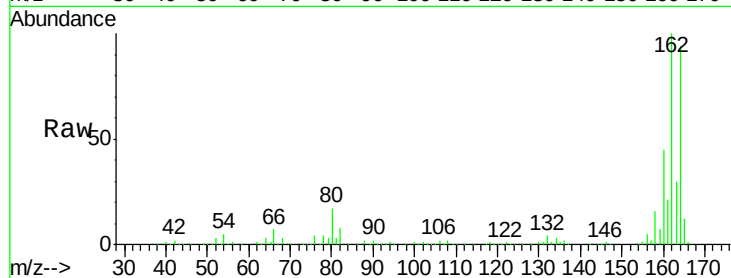
Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018



Tgt Ion:164 Resp: 379769

Ion Ratio Lower Upper

164 100

162 106.2 83.0 124.6

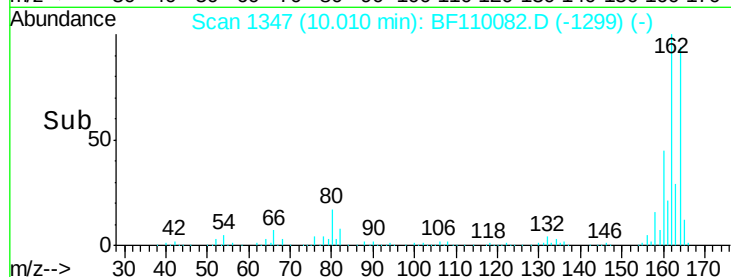
160 47.5 37.0 55.6

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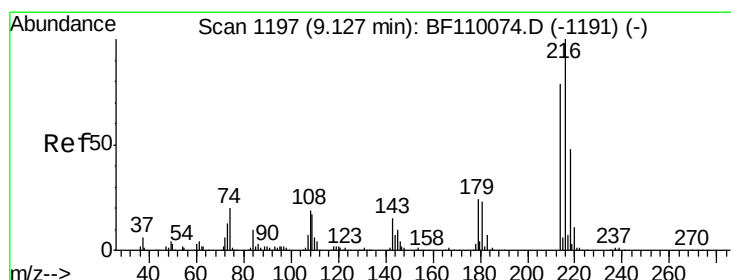
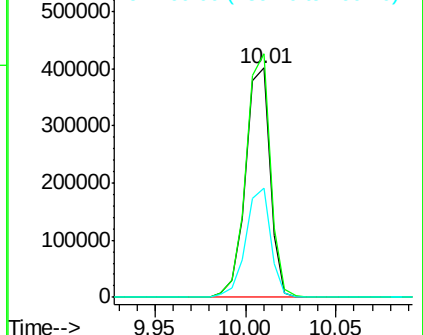
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 1.010 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:216 Resp: 11950

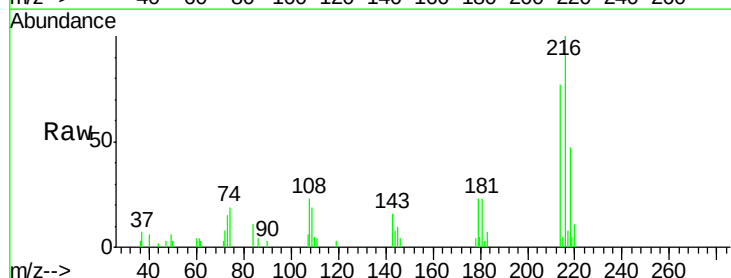
Ion Ratio Lower Upper

216 100

214 77.3 63.8 95.6

179 21.2 16.6 25.0

108 21.6 15.1 22.7

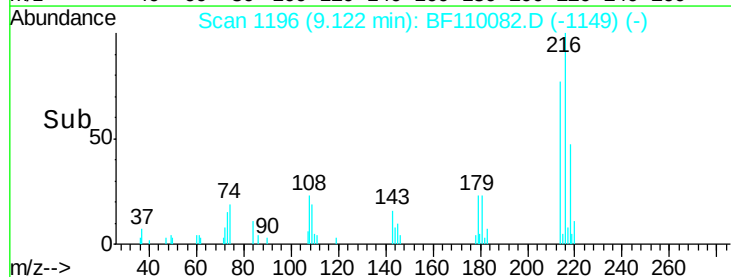
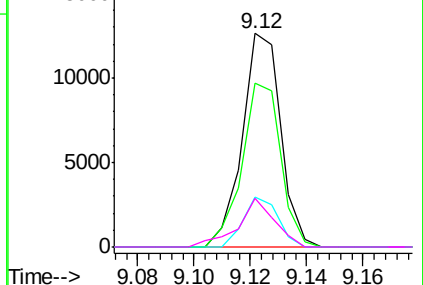


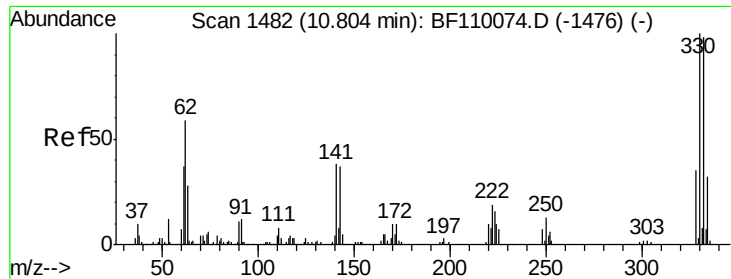
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#42

2,4,6-Tribromophenol

Concen: 125.482 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

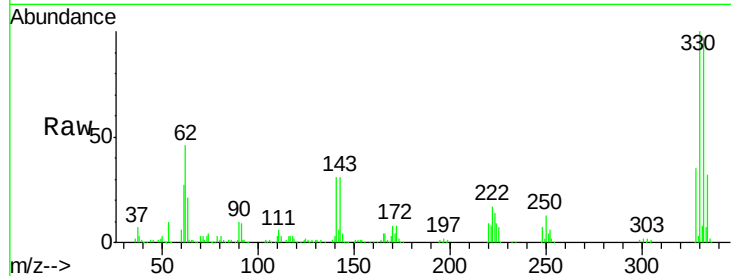
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

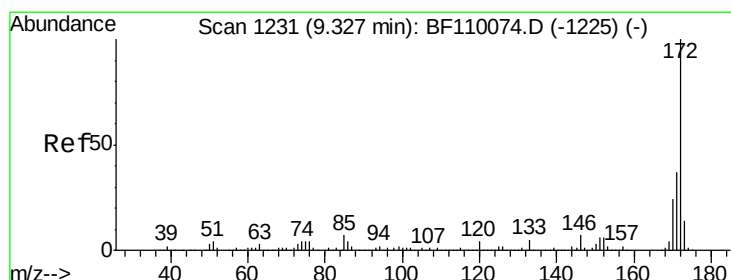
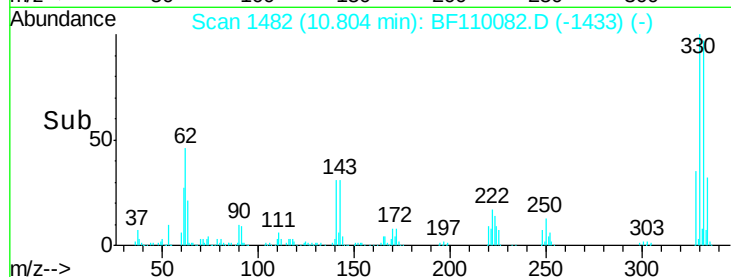
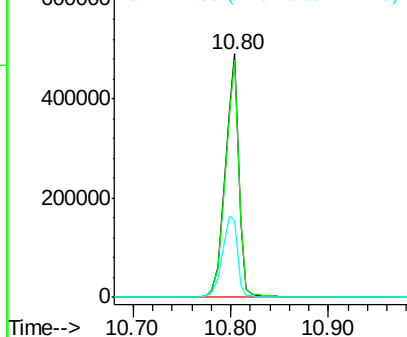
Tgt Ion:	330	Resp:	472046
Ion Ratio		Lower	Upper
330	100		
332	97.7	77.1	115.7
141	37.3	27.0	40.4

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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



#45

2-Fluorobiphenyl

Concen: 80.453 ng

RT: 9.33 min Scan# 1231

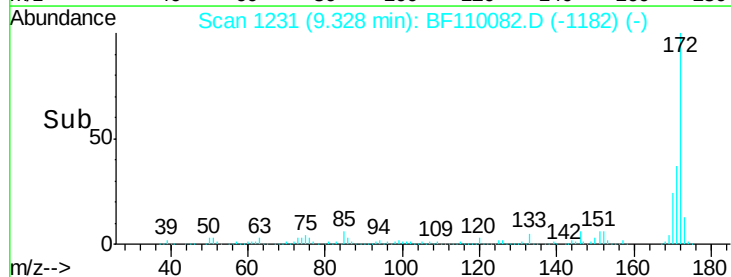
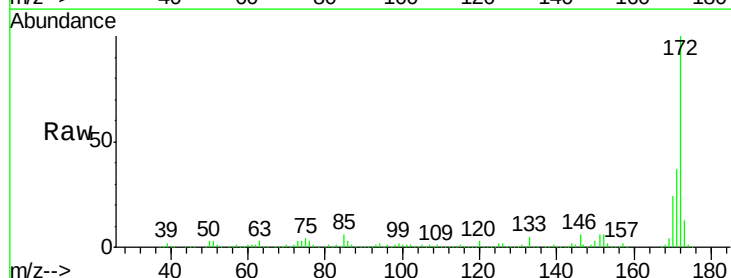
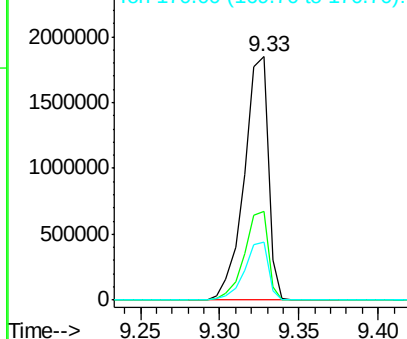
Delta R.T. -0.01 min

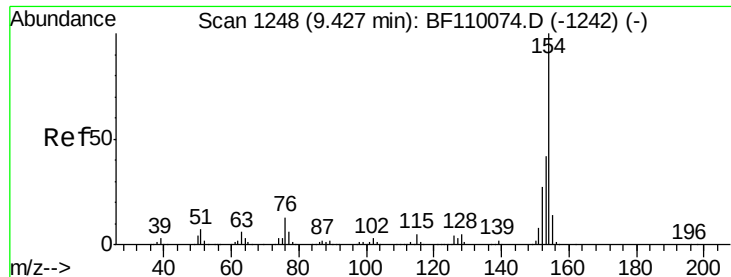
Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	172	Resp:	1945758
Ion Ratio		Lower	Upper
172	100		
171	36.5	28.6	43.0
170	23.9	19.7	29.5

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





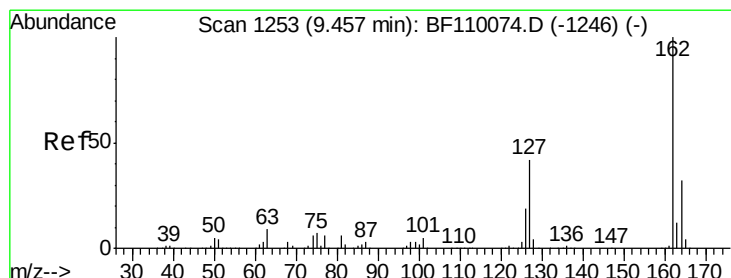
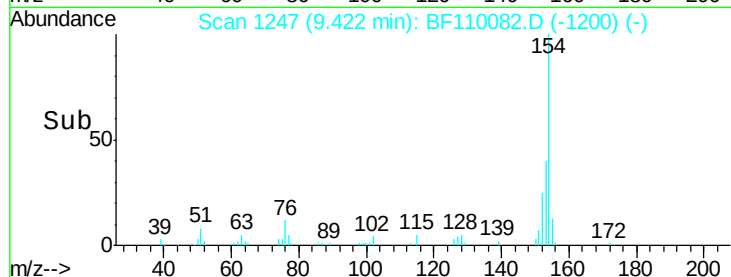
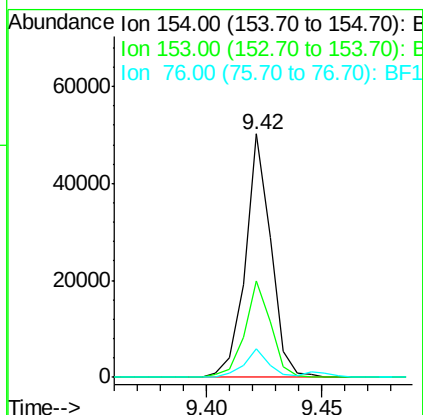
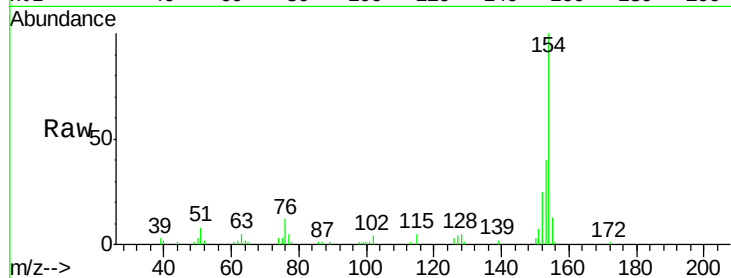
#46
 1,1'-Biphenyl
 Concen: 1.131 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	39.5	20.4	60.4
76	11.9	0.0	31.9

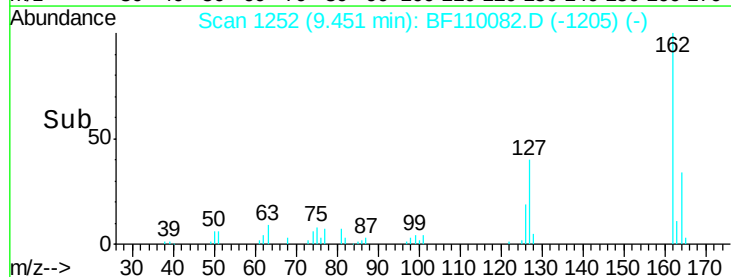
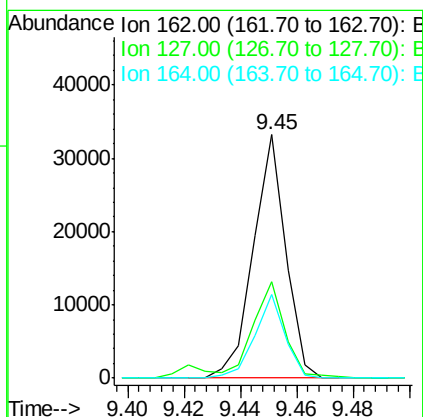
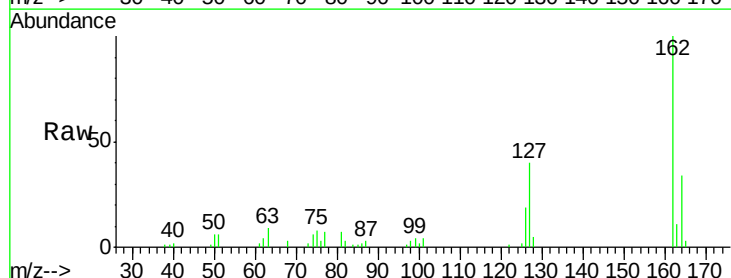
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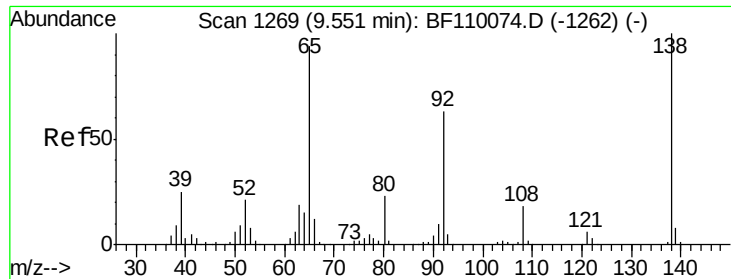
Sohil
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#47
 2-Chloronaphthalene
 Concen: 1.049 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
127	39.6	32.6	48.8
164	34.3	25.9	38.9





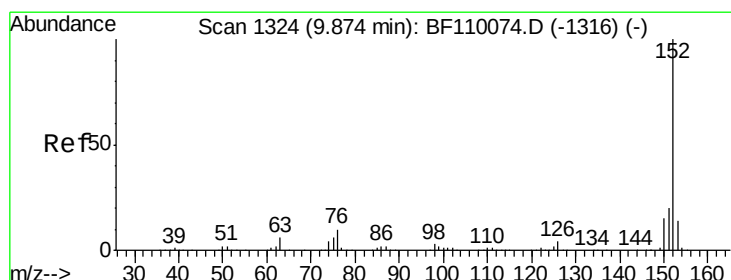
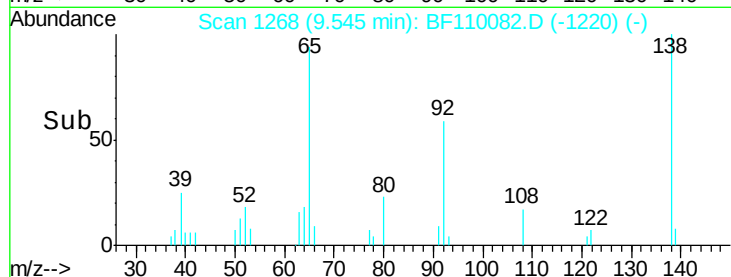
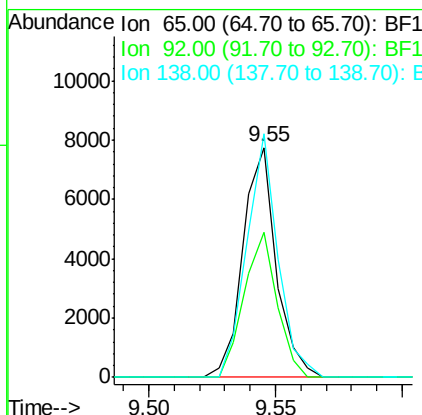
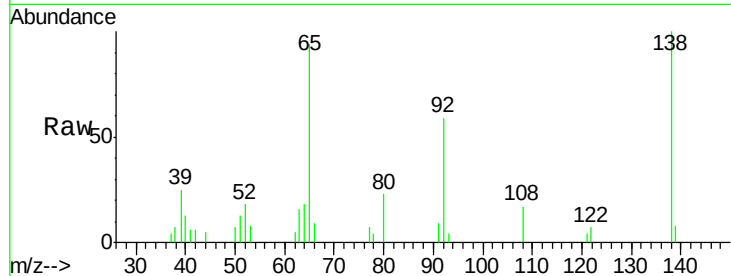
#48
2-Nitroaniline
Concen: 0.927 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 65 Resp: 7076
Ion Ratio Lower Upper
65 100
92 63.0 54.6 81.8
138 106.0 80.3 120.5

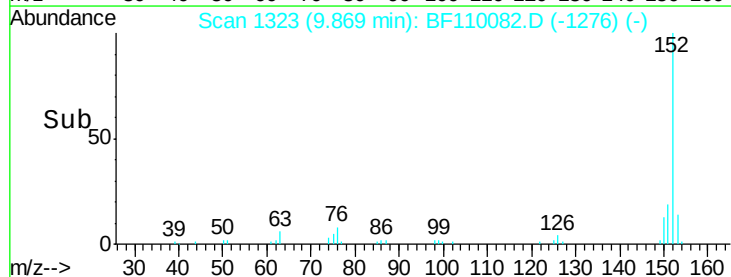
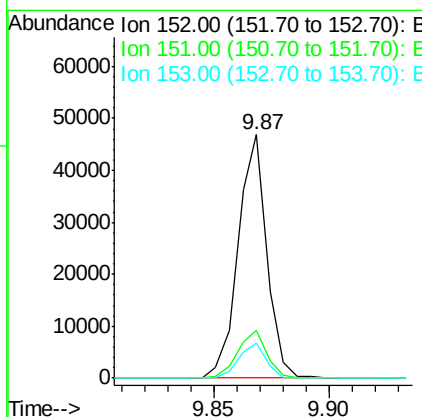
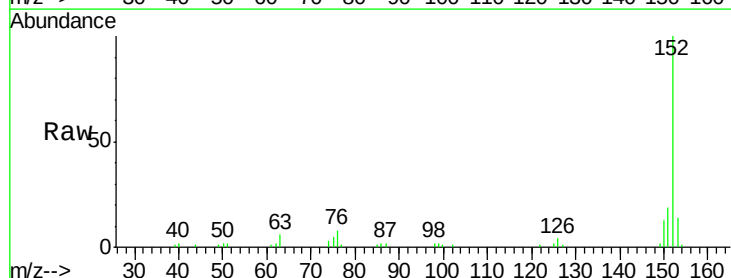
Manual Integrations
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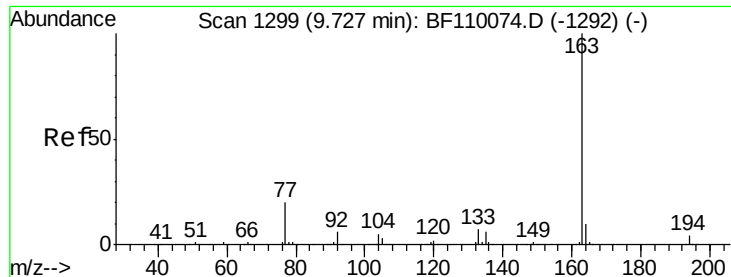
Sohil
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#49
Acenaphthylene
Concen: 1.114 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion: 152 Resp: 40524
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.8
153 14.1 10.4 15.6





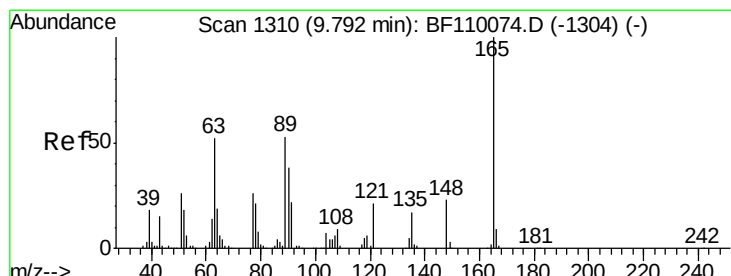
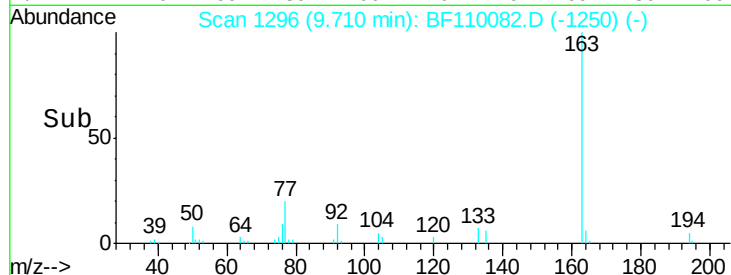
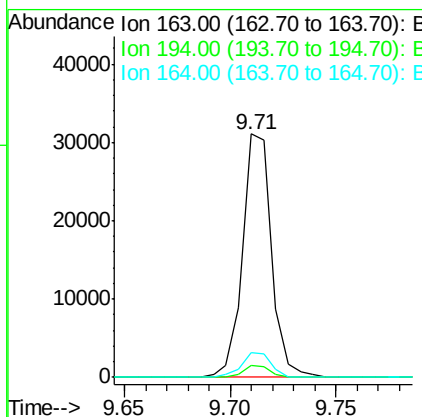
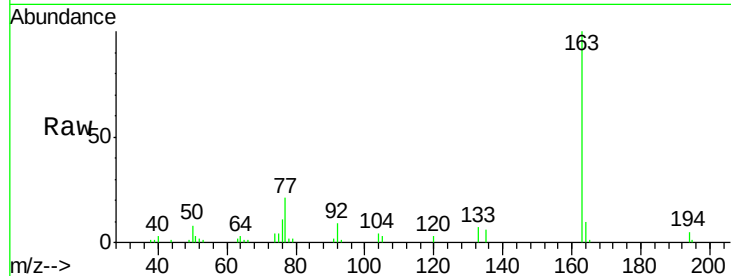
#50
Dimethylphthalate
Concen: 1.054 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	29561		
194	5.0	3.2	4.8#	
164	10.1	8.1	12.1	

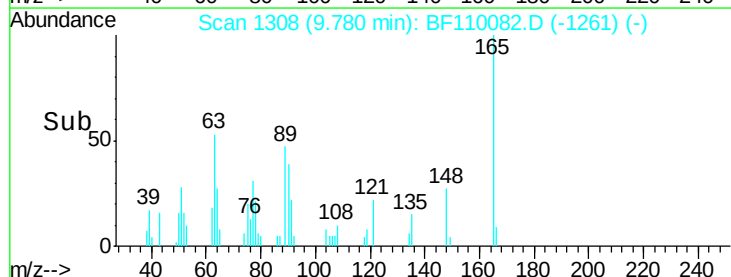
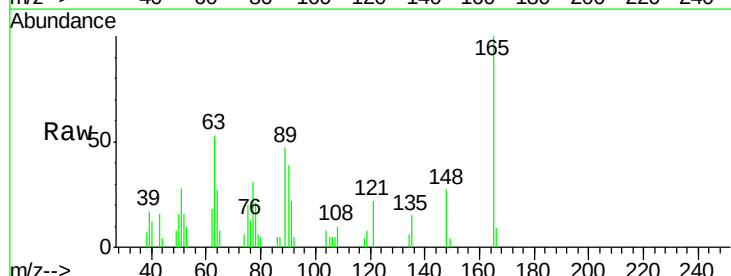
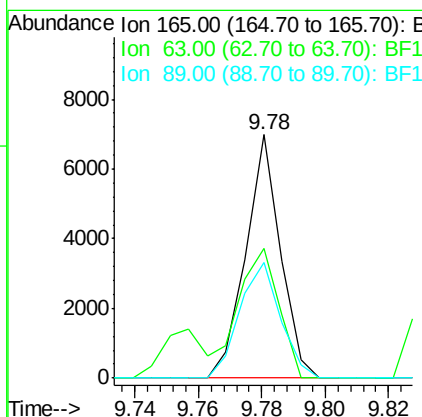
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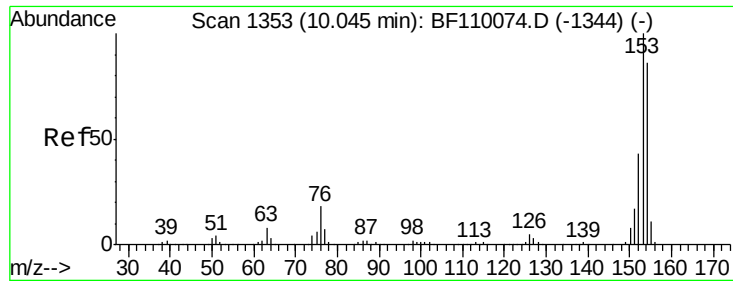
Sohil
10/24/2018 5:11:56 PM



#51
2,6-Dinitrotoluene
Concen: 0.880 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	5314		
63	53.3	48.9	73.3	
89	47.2	46.6	69.8	





#52

Acenaphthene

Concen: 1.035 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.02 min

Lab File: BF110082.D

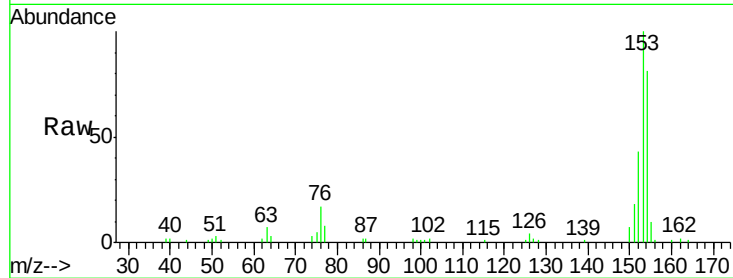
Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

ClientSampleId :

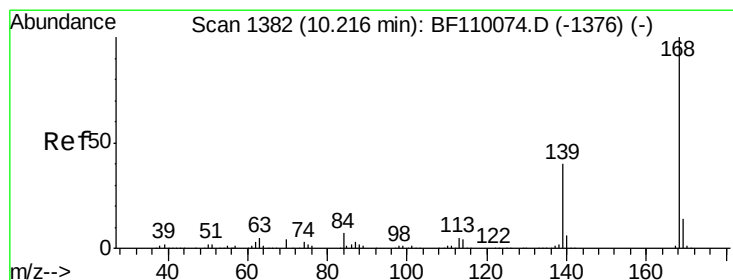
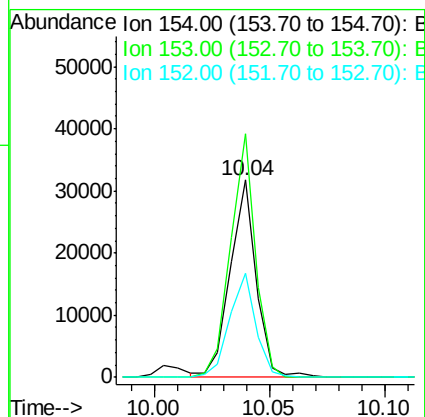
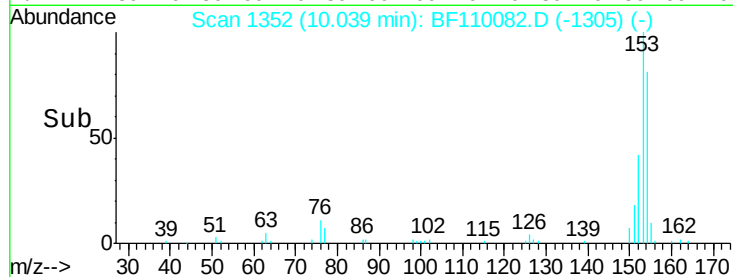
LOD-MDL-SOIL-01-QT4-2018



Tgt Ion:	154	Resp:	24902
Ion Ratio	Lower	Upper	
154	100		
153	123.5	90.1	135.1
152	52.7	43.4	65.2

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#55

Dibenzofuran

Concen: 1.104 ng

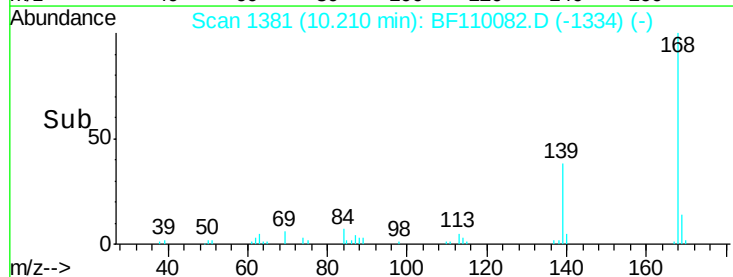
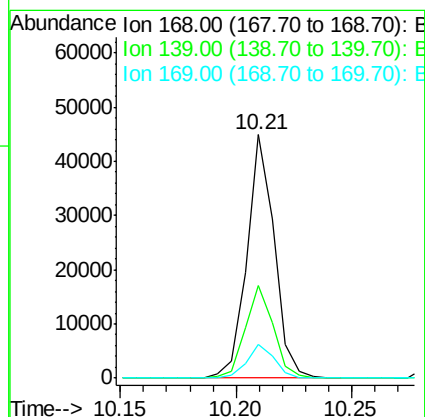
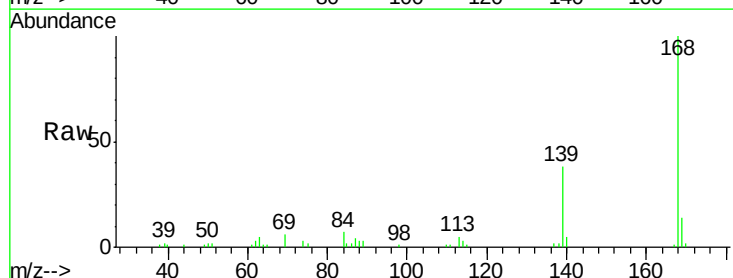
RT: 10.21 min Scan# 1381

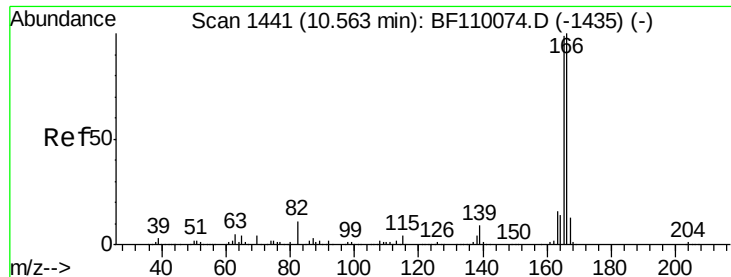
Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	168	Resp:	37201
Ion Ratio	Lower	Upper	
168	100		
139	38.3	33.0	49.6
169	13.8	11.3	16.9





#58

Fluorene

Concen: 1.192 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

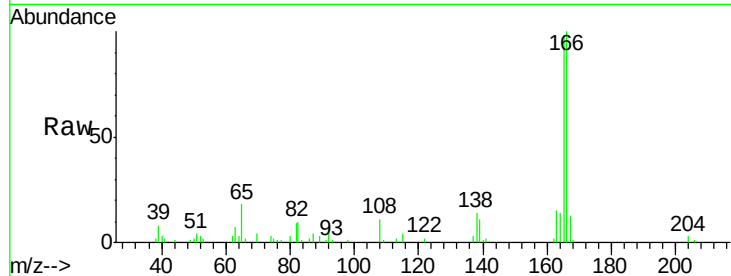
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

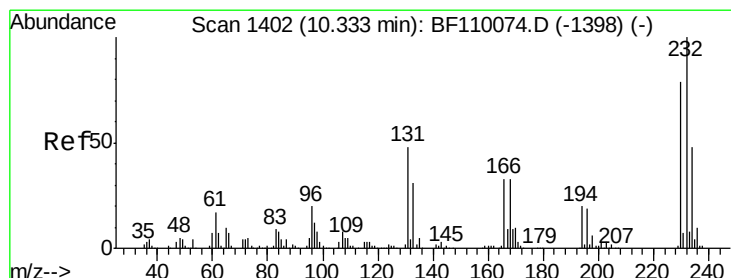
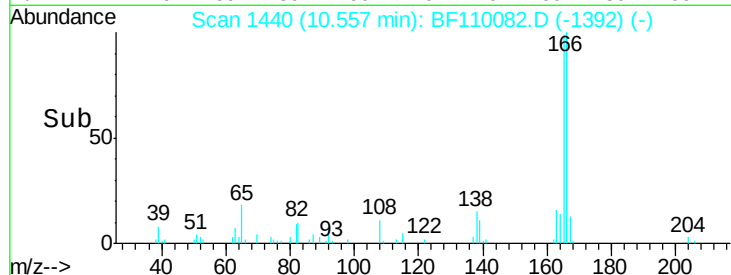
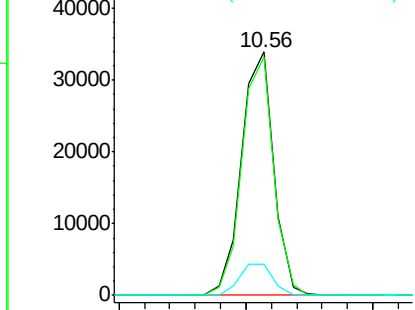
Tgt Ion:	166	Resp:	29906
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.6	117.8
167	12.7	10.8	16.2

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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



#59

2,3,4,6-Tetrachlorophenol

Concen: 0.919 ng

RT: 10.33 min Scan# 1401

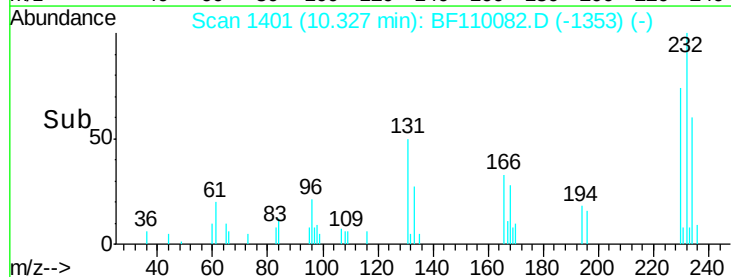
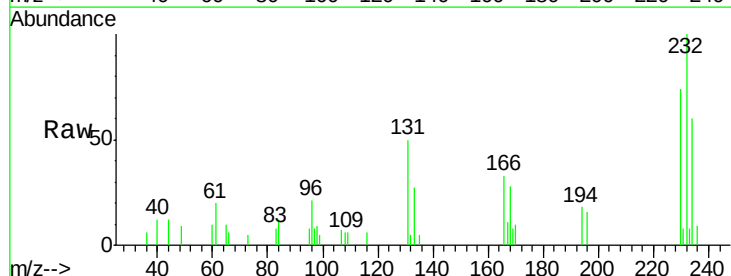
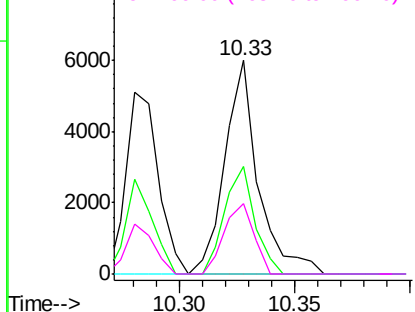
Delta R.T. -0.02 min

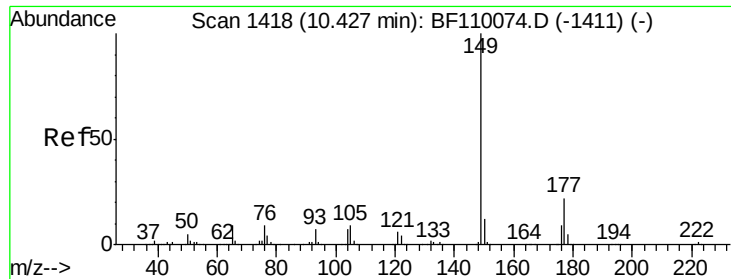
Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	232	Resp:	6041
Ion Ratio	Lower	Upper	
232	100		
131	45.4	37.0	55.4
130	0.0	1.8	2.6
166	29.2	22.0	33.0

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





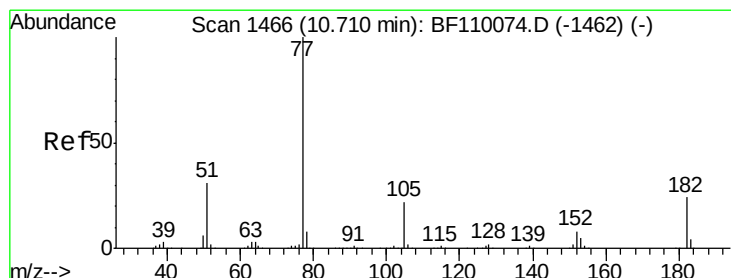
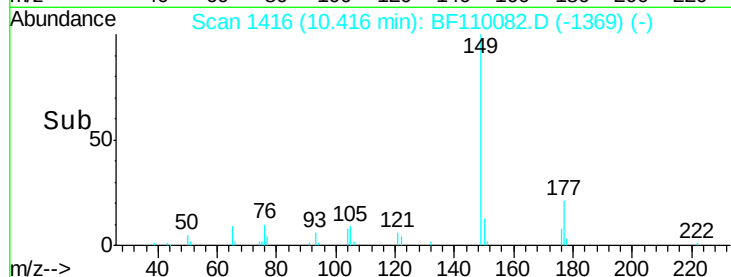
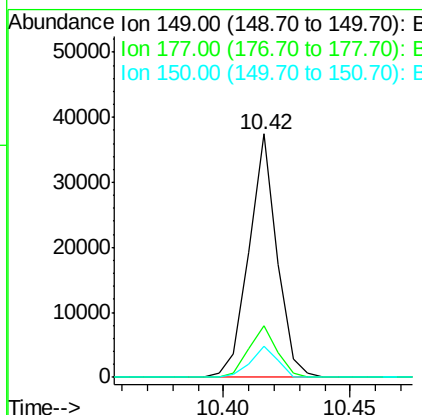
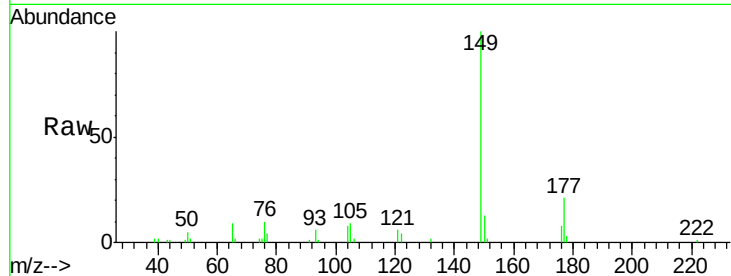
#60
Diethylphthalate
Concen: 1.056 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	28908		
177	21.1		17.4	26.2
150	12.6		9.8	14.8

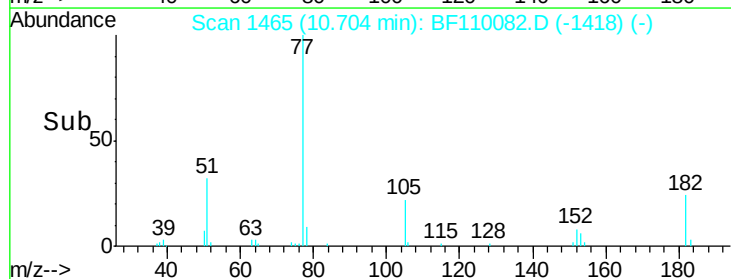
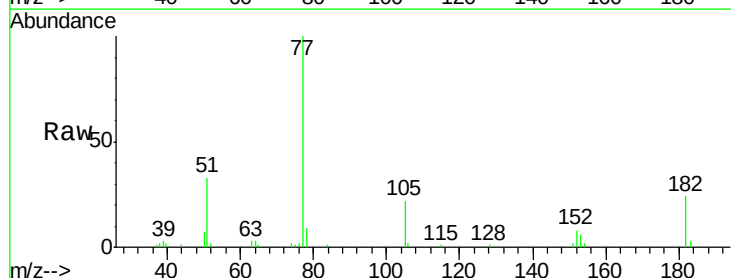
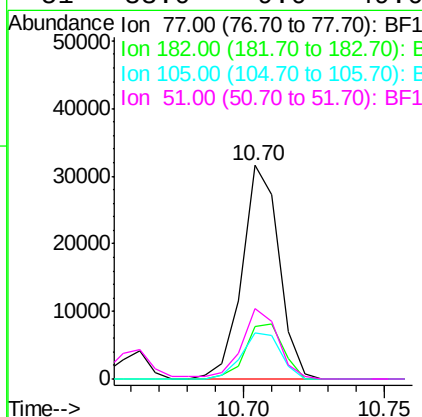
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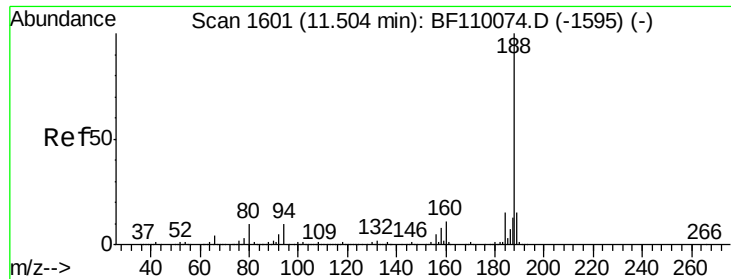
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#63
Azobenzene
Concen: 1.051 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	28552		
182	24.3		4.3	44.3
105	21.6		1.3	41.3
51	33.0		9.0	49.0





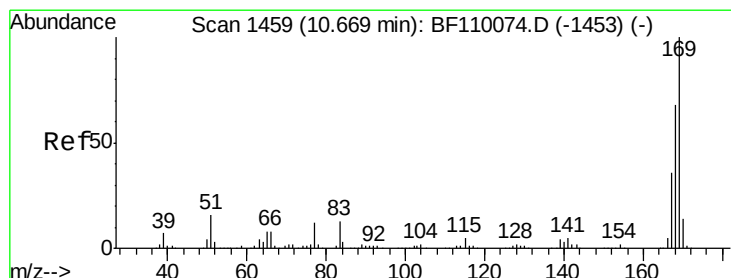
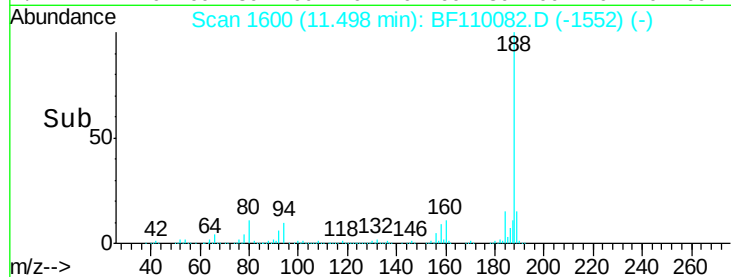
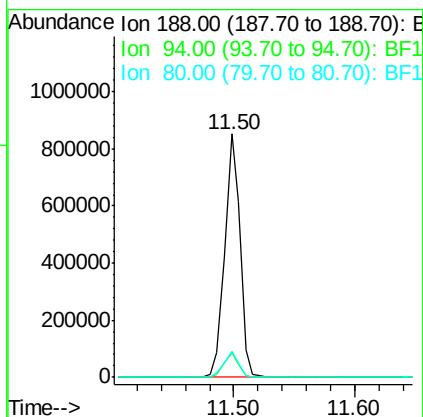
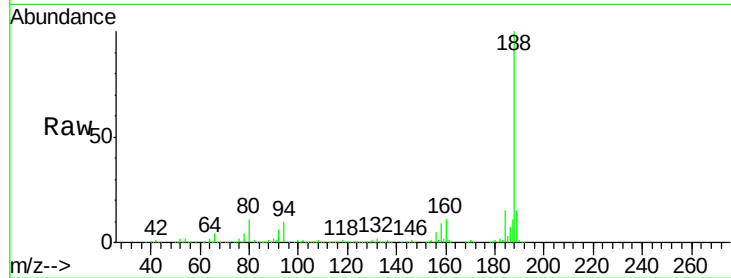
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	746064		
94	10.2		7.2	10.8
80	10.7		7.9	11.9

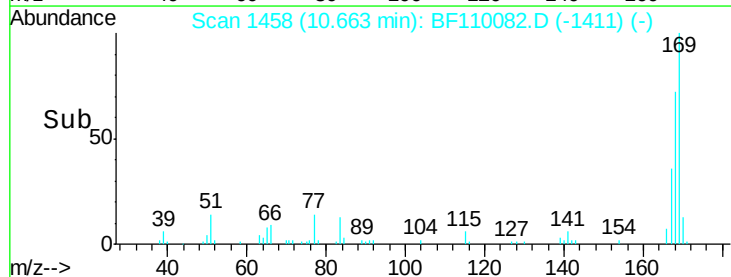
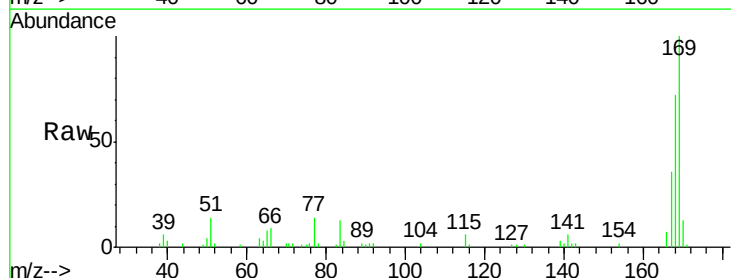
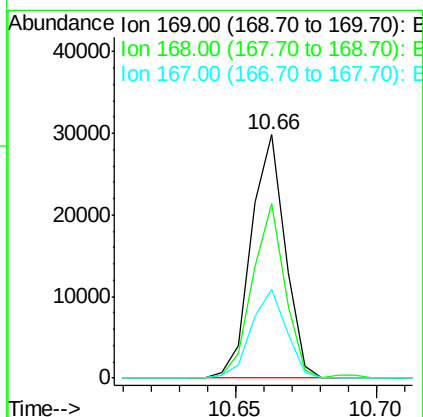
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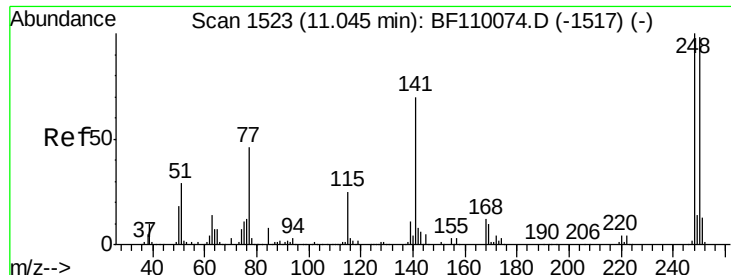
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#66
n-Nitrosodiphenylamine
Concen: 1.013 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	24788		
168	71.8		51.2	76.8
167	36.2		27.8	41.6





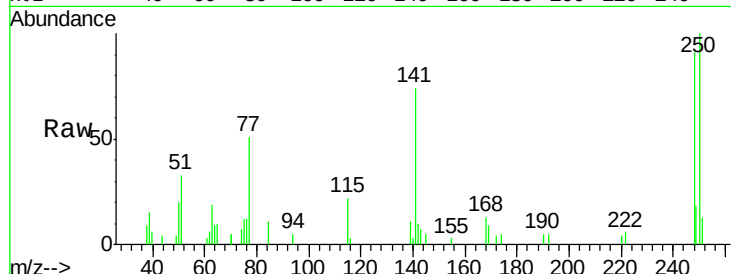
#67
 4-Bromophenyl-phenylether
 Concen: 0.981 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

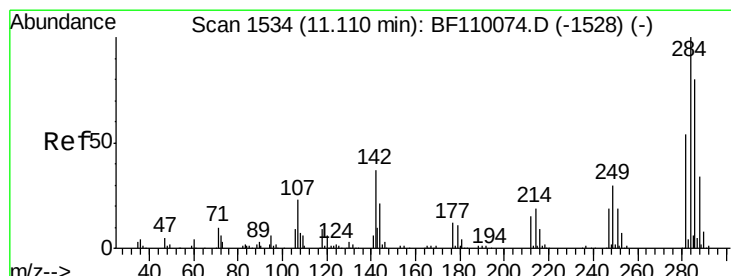
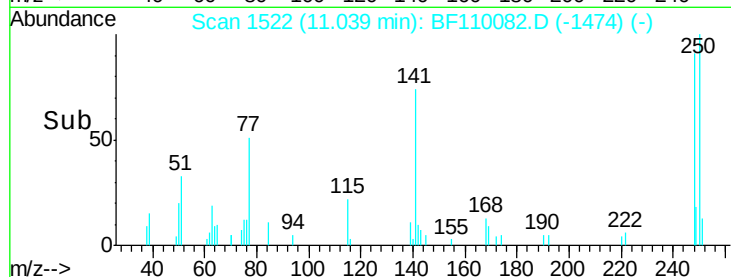
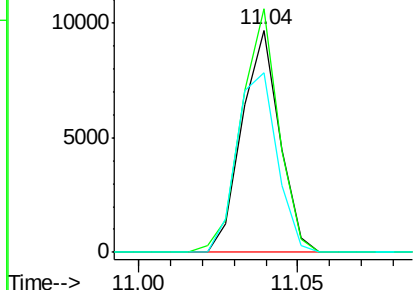
Tgt Ion	Ratio	Lower	Upper
248	100		
250	109.5	79.4	119.2
141	80.9	55.9	83.9

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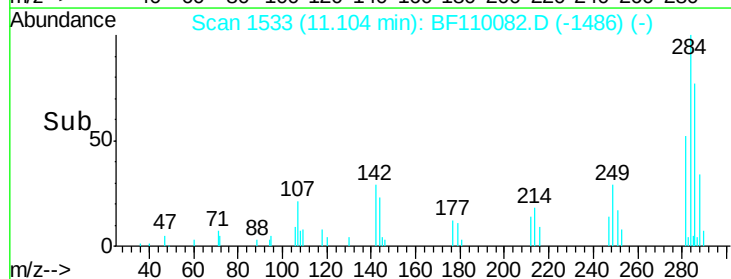
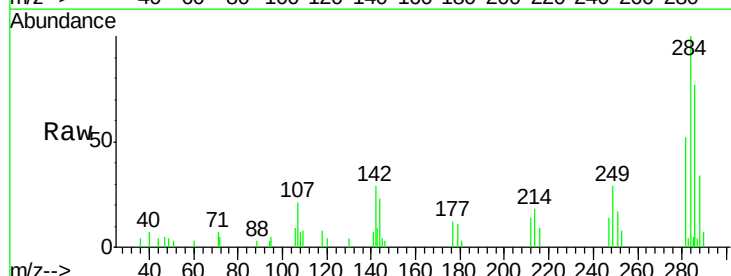
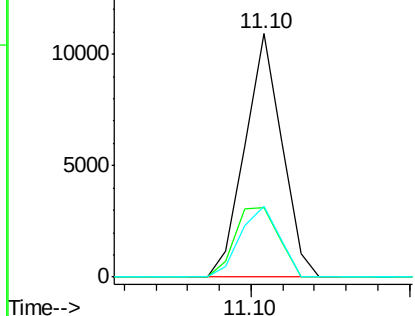
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

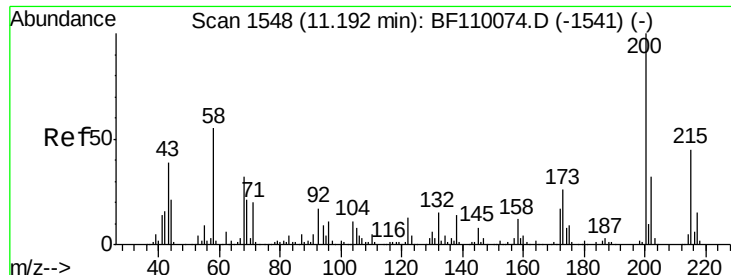


#68
 Hexachlorobenzene
 Concen: 1.032 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.5	23.9	35.9
249	29.3	24.2	36.2

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





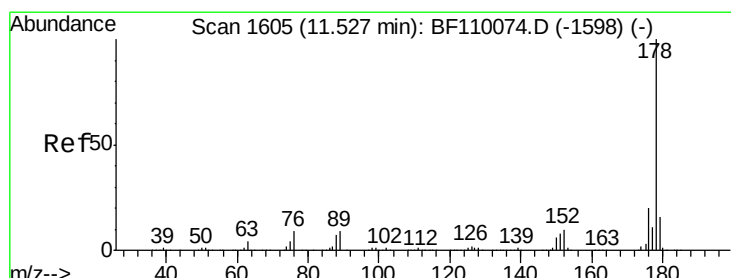
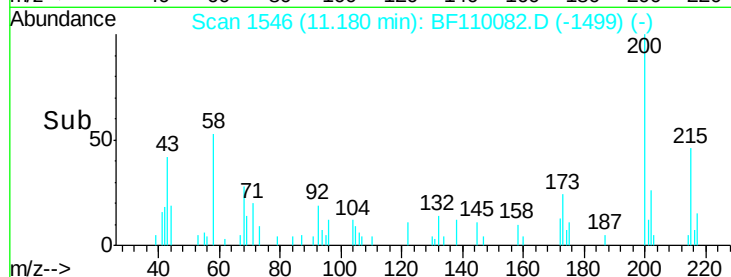
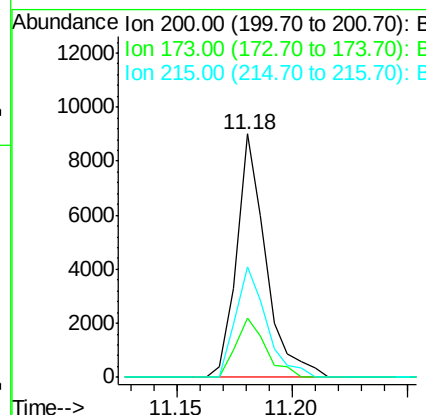
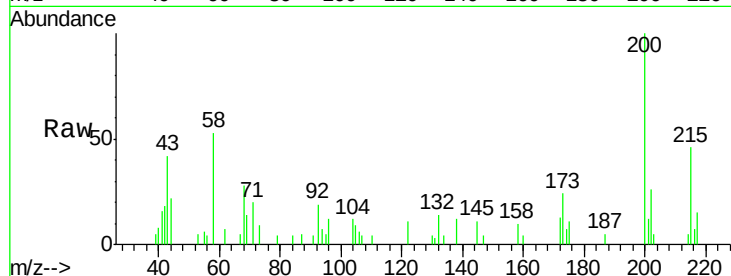
#69
Atrazine
Concen: 1.026 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.5	6.6	46.6
215	45.6	26.3	66.3

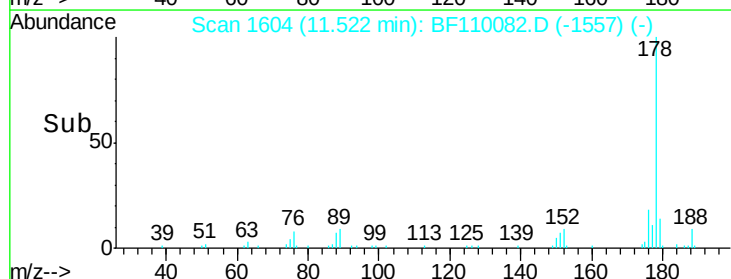
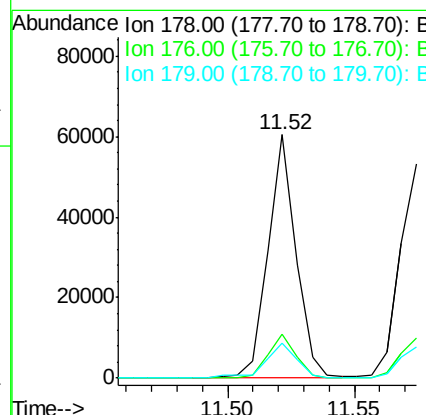
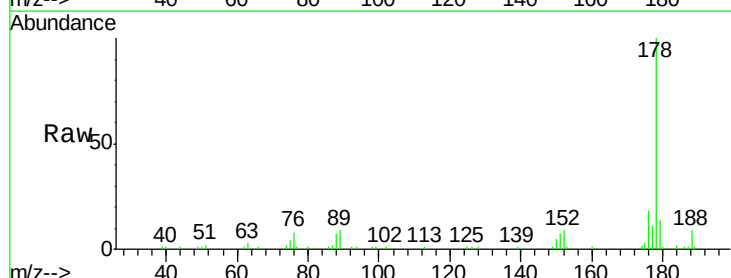
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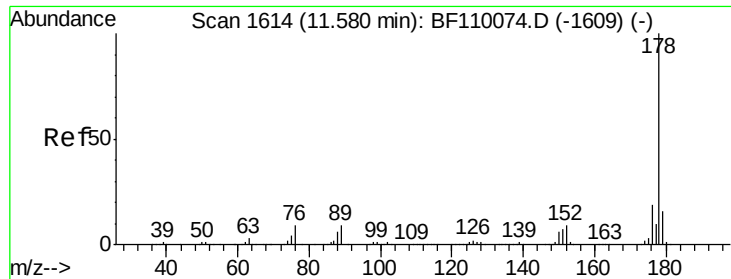
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#71
Phenanthrene
Concen: 1.191 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.5	23.3
179	14.5	12.5	18.7





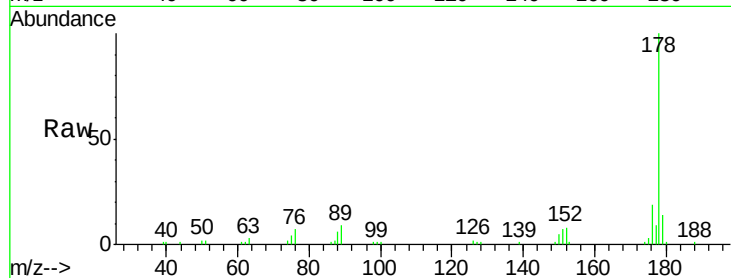
#72
 Anthracene
 Concen: 1.175 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

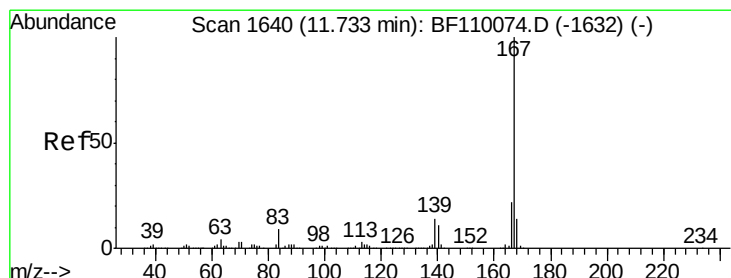
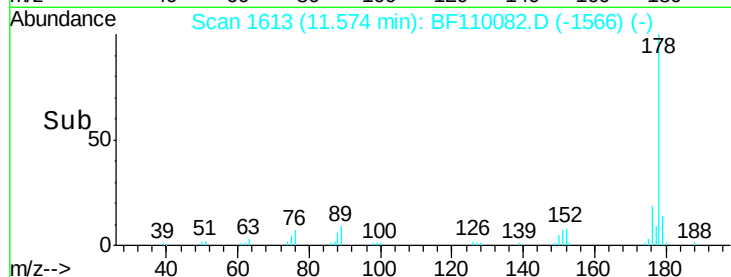
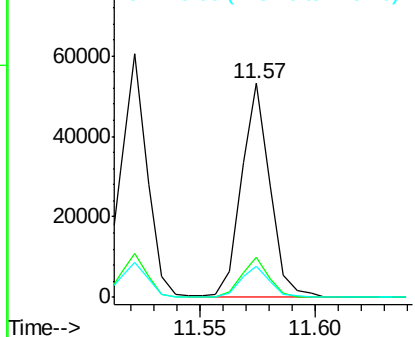
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.3	12.6	18.8

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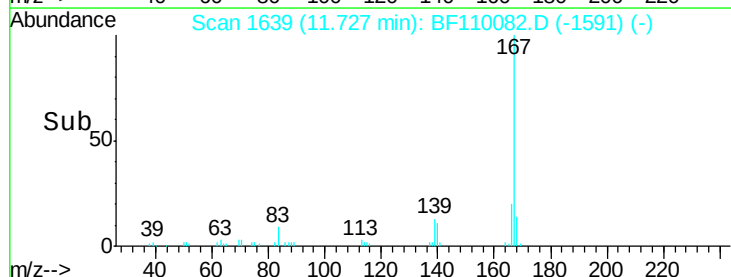
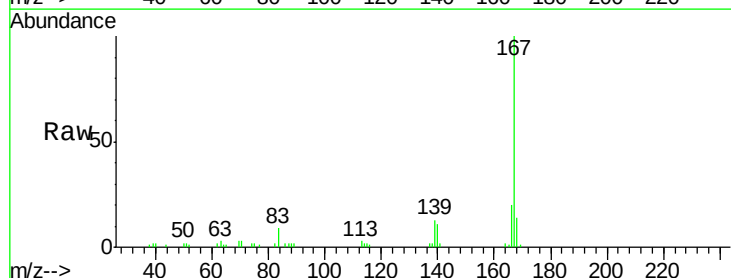
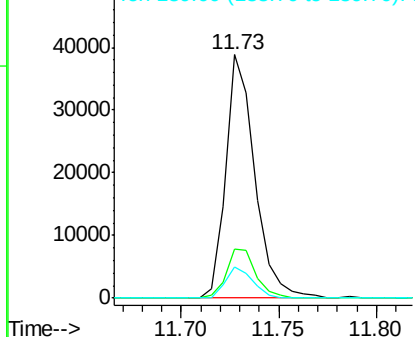
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

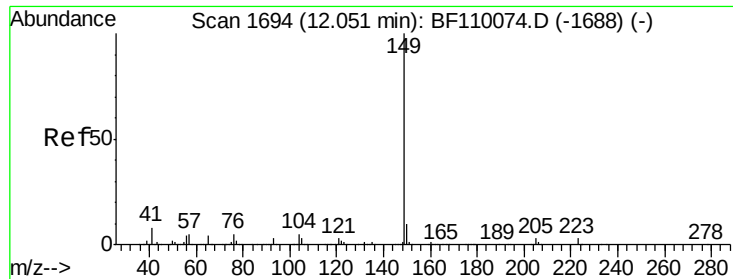


#73
 Carbazole
 Concen: 1.046 ng
 RT: 11.73 min Scan# 1639
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.4	26.0
139	12.7	10.9	16.3

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





#74

Di-n-butylphthalate

Concen: 1.035 ng

RT: 12.05 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

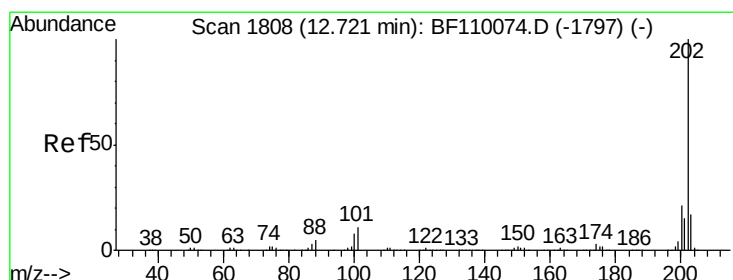
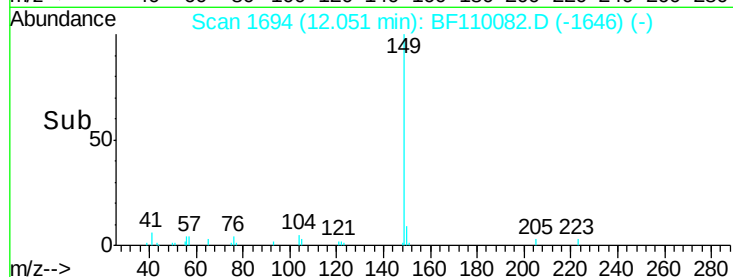
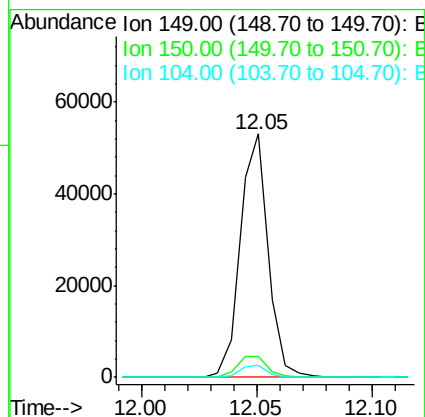
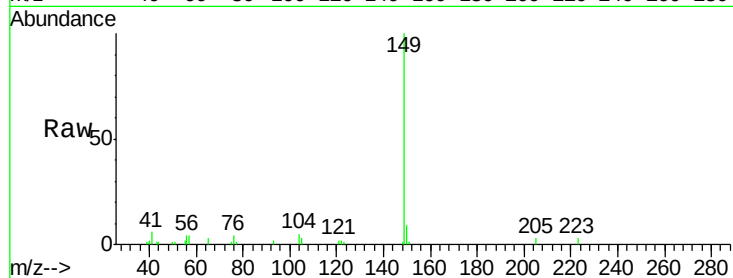
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	149	Resp:	44661
Ion Ratio	Lower	Upper	
149	100		
150	8.7	7.7	11.5
104	4.9	4.2	6.4

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#75

Fluoranthene

Concen: 1.174 ng

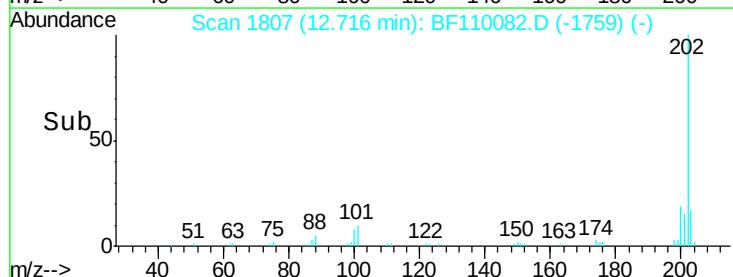
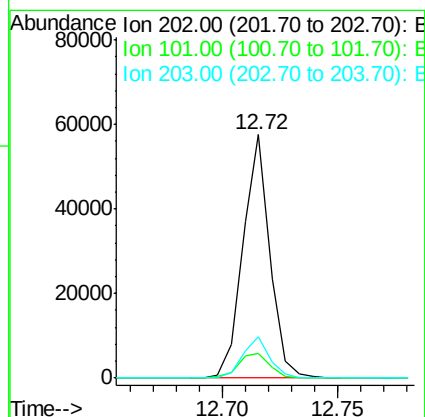
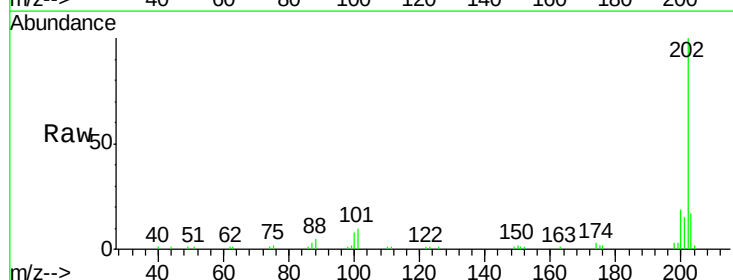
RT: 12.72 min Scan# 1807

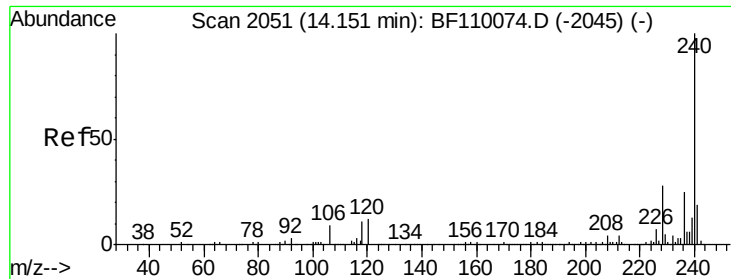
Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	202	Resp:	46504
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.4
203	17.0	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

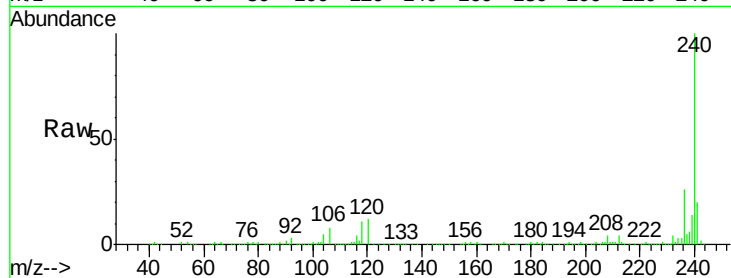
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	240	Resp:	647942
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.3	12.5
236	26.1	21.2	31.8

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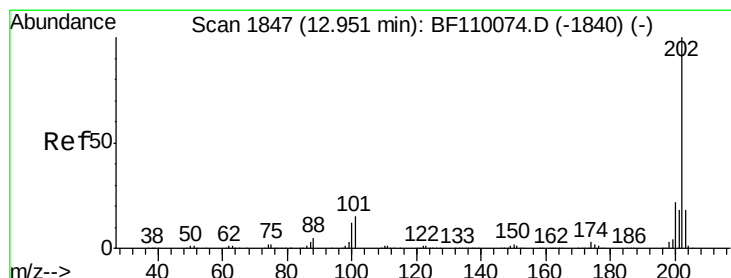
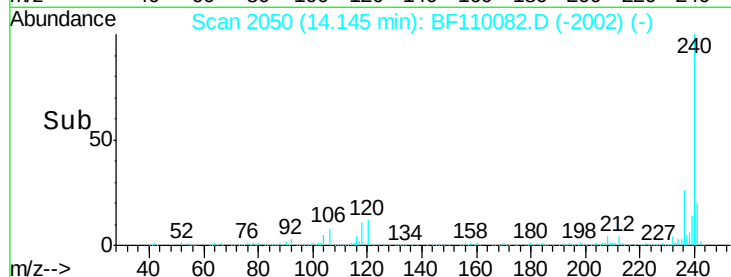
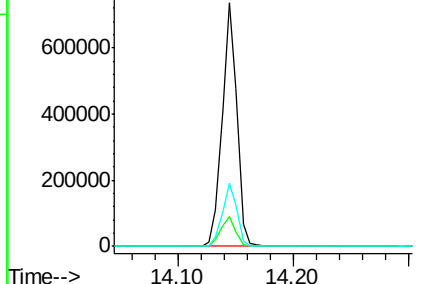
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 1.003 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110082.D

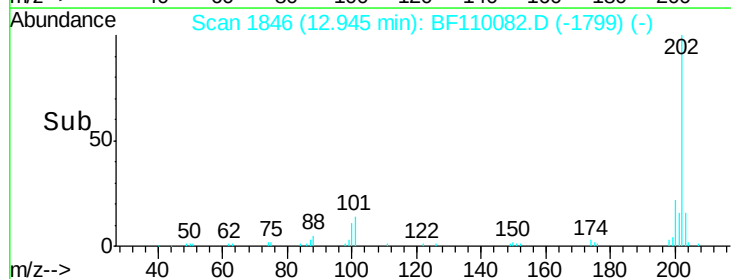
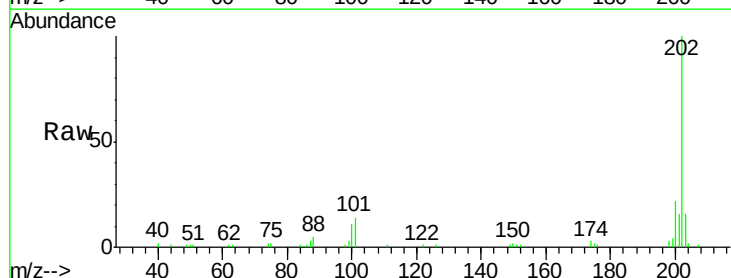
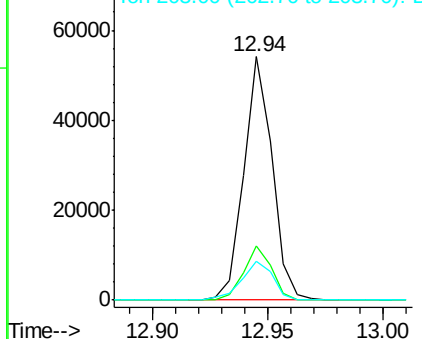
Acq: 23 Oct 2018 17:25

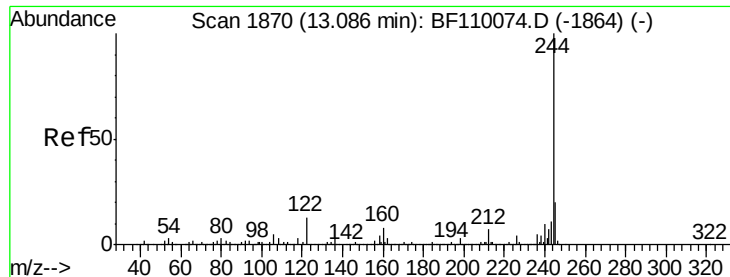
Tgt Ion:	202	Resp:	46571
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.8	26.6
203	16.0	14.2	21.4

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





#79

Terphenyl-d14

Concen: 65.756 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

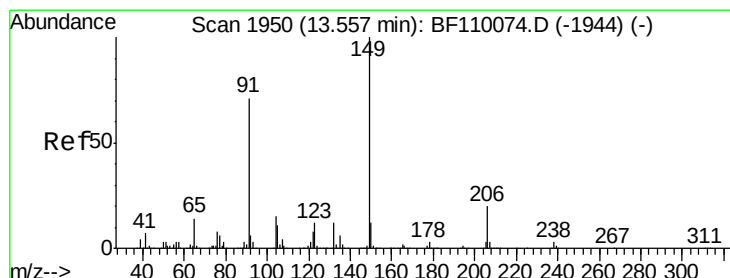
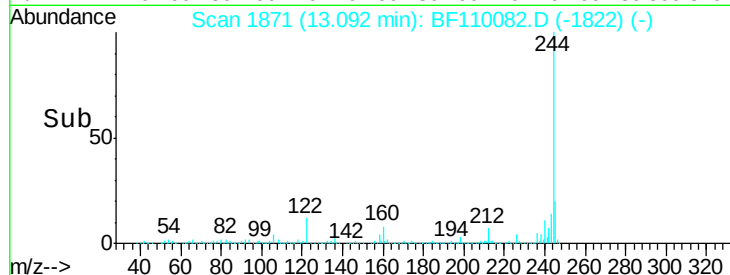
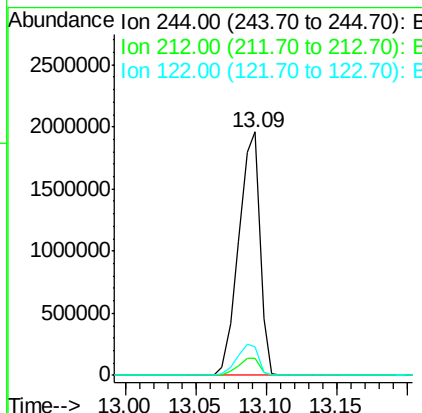
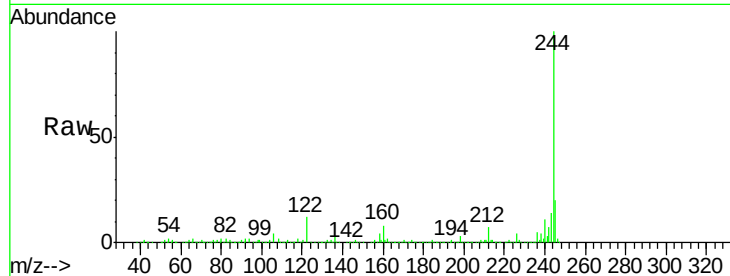
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	244	Resp:	2048647
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	11.7	8.7	13.1

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#80

Butylbenzylphthalate

Concen: 0.879 ng

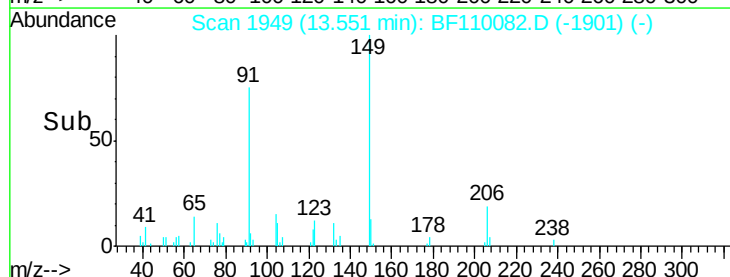
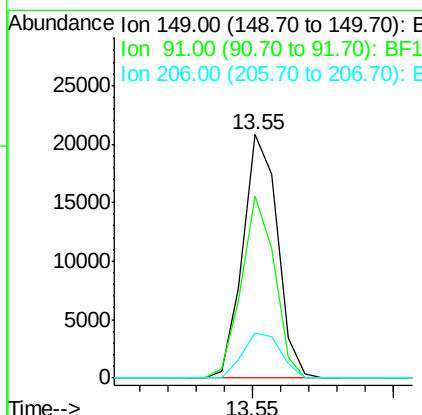
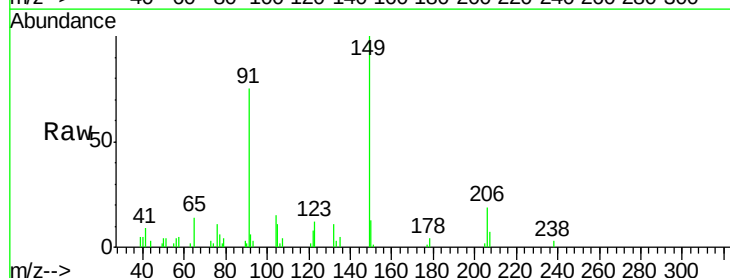
RT: 13.55 min Scan# 1949

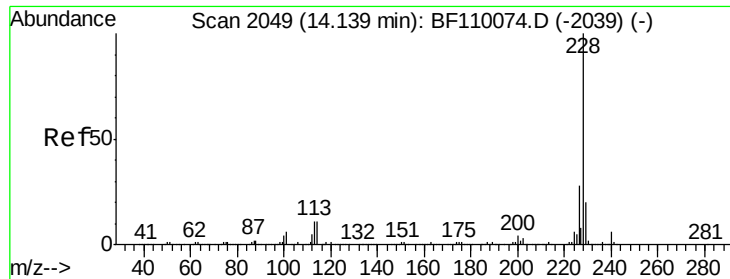
Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	149	Resp:	17728
Ion Ratio	Lower	Upper	
149	100		
91	74.8	57.2	85.8
206	18.8	15.7	23.5





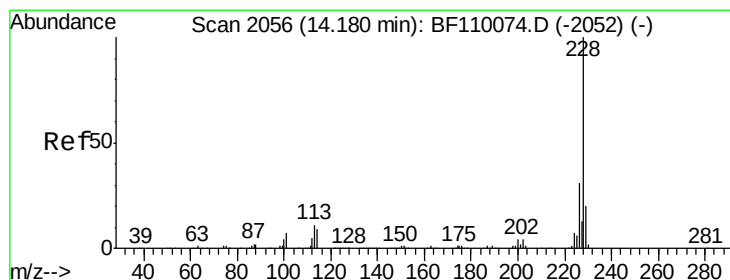
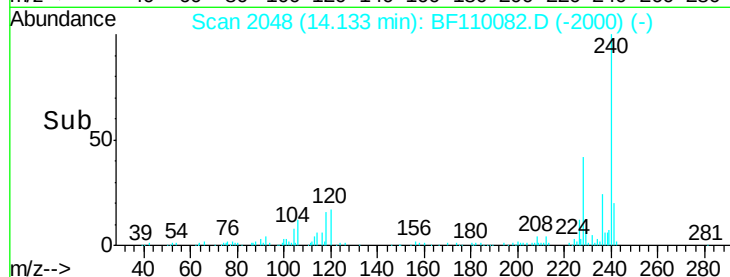
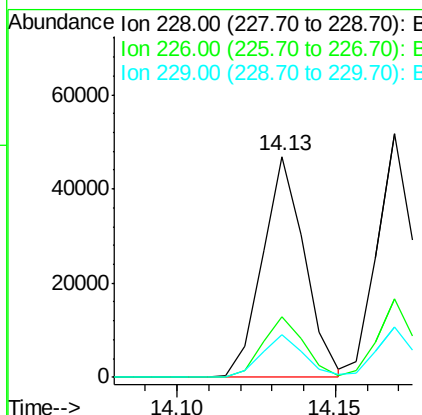
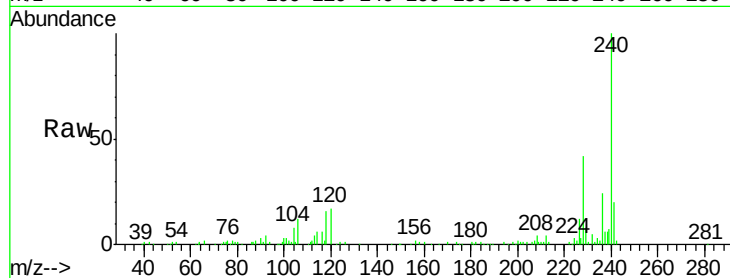
#81
Benzo(a)anthracene
Concen: 1.126 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.5	15.6	23.4

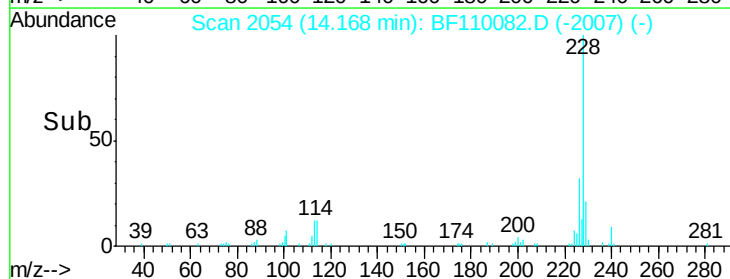
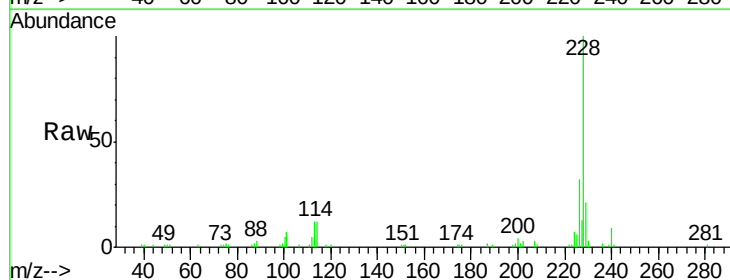
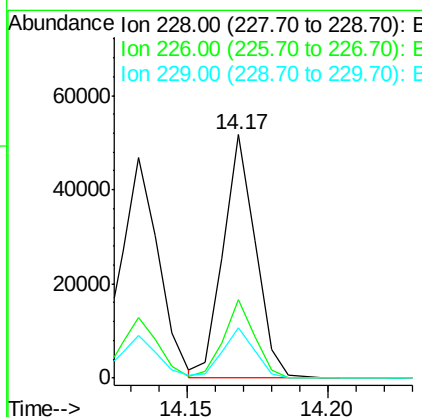
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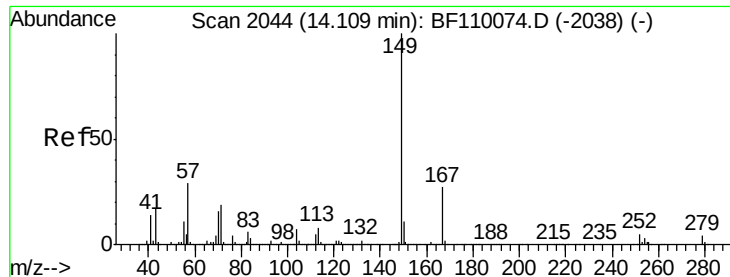
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#83
Chrysene
Concen: 1.129 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.7	37.1
229	20.9	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.959 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

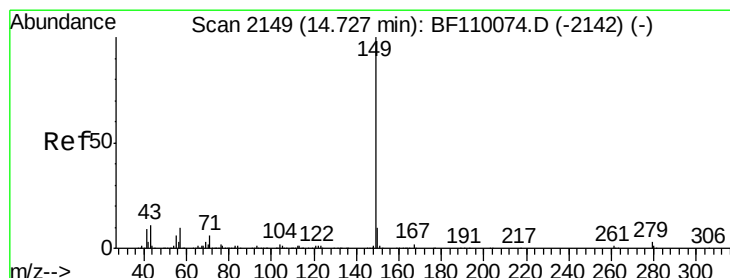
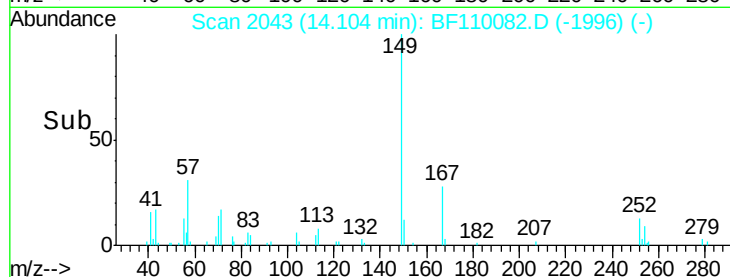
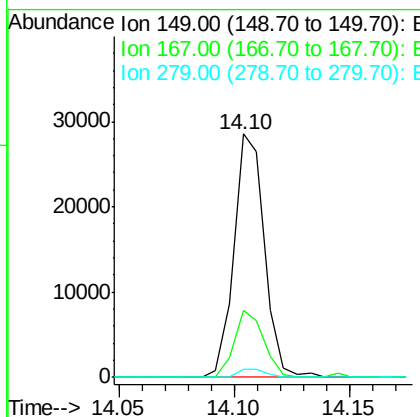
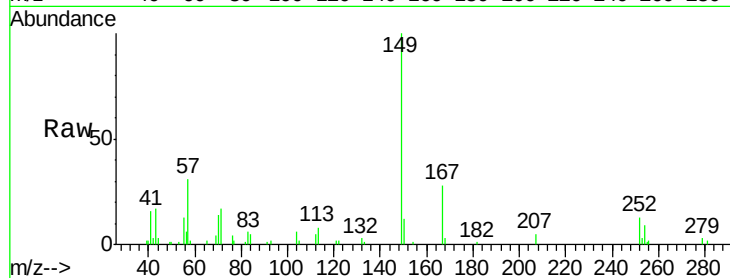
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	149	Resp:	26151
Ion Ratio	Lower	Upper	
149	100		
167	27.8	19.8	29.8
279	3.2	2.7	4.1

Manual Integrations
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#85

Di-n-octyl phthalate

Concen: 0.948 ng

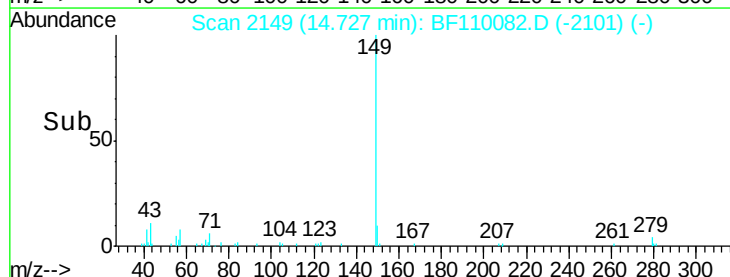
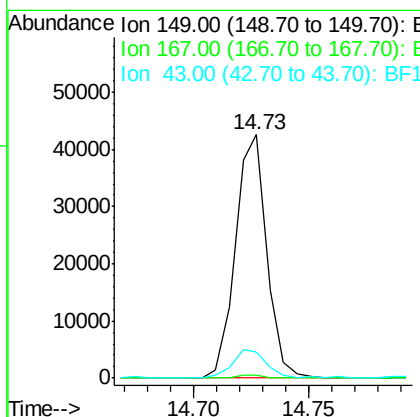
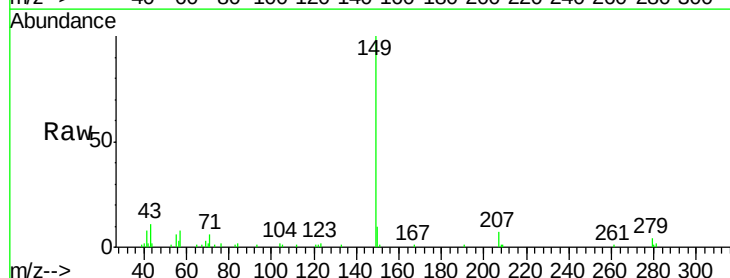
RT: 14.73 min Scan# 2149

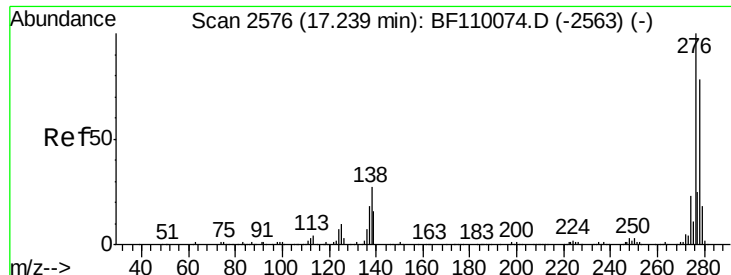
Delta R.T. -0.02 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	149	Resp:	40177
Ion Ratio	Lower	Upper	
149	100		
167	1.0	1.1	1.7#
43	12.4	7.8	11.8#





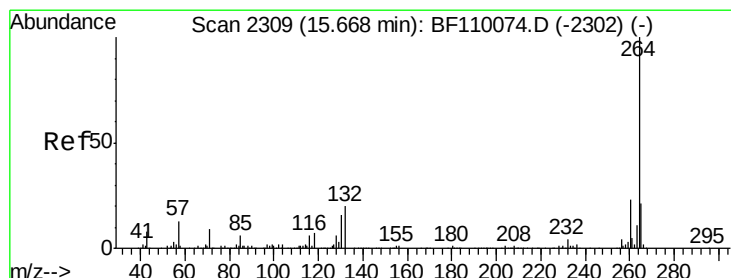
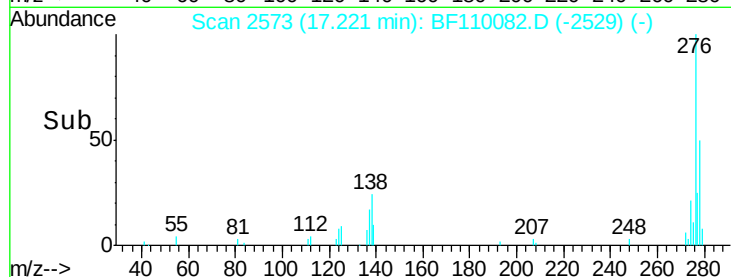
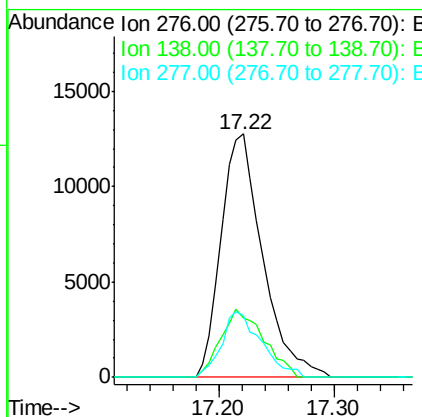
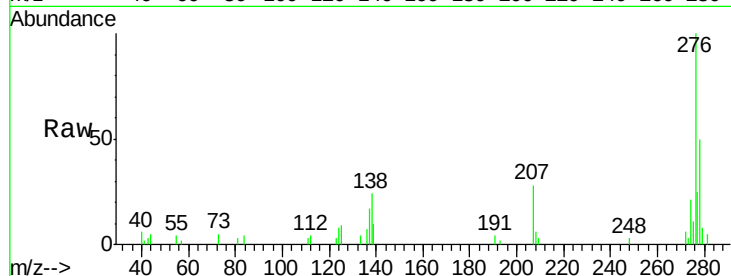
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.056 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.04 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.8	18.5	27.7#
277	25.8	20.0	30.0

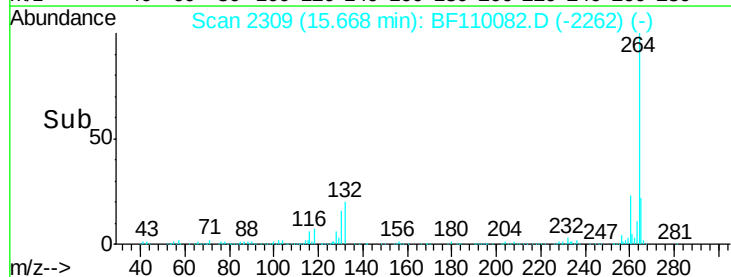
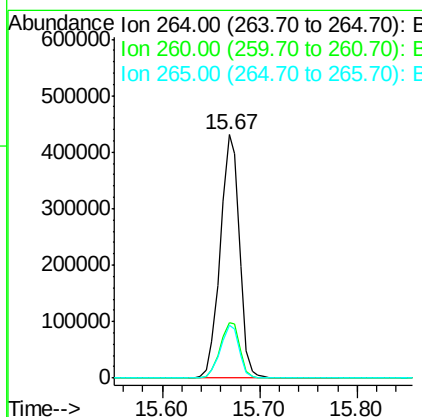
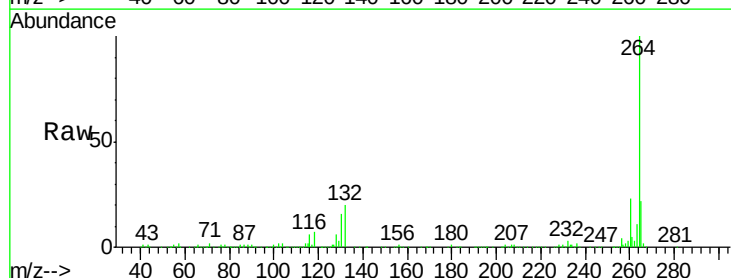
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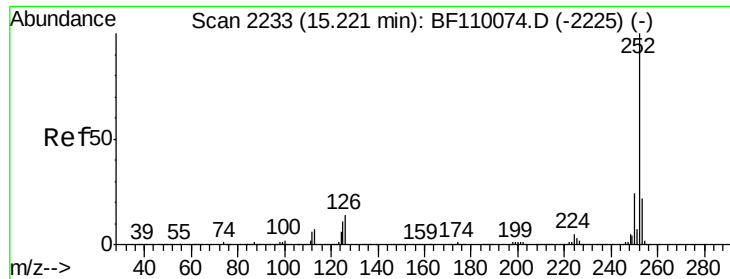
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.02 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	21.6	16.7	25.1





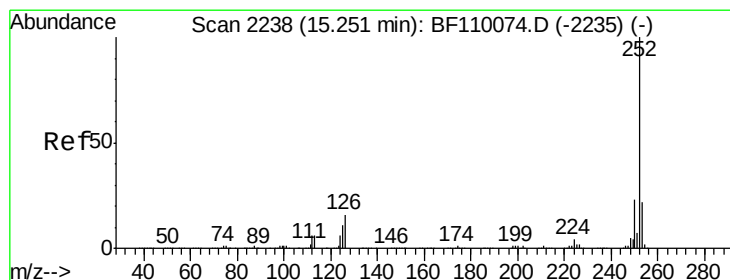
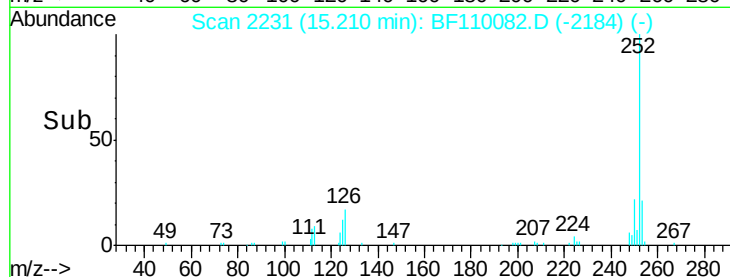
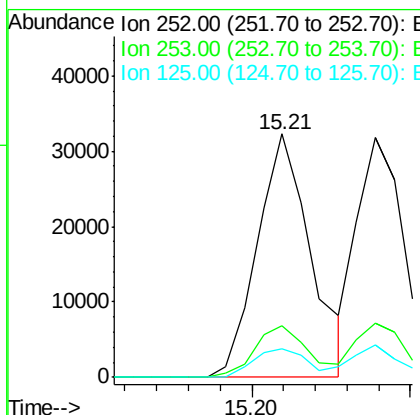
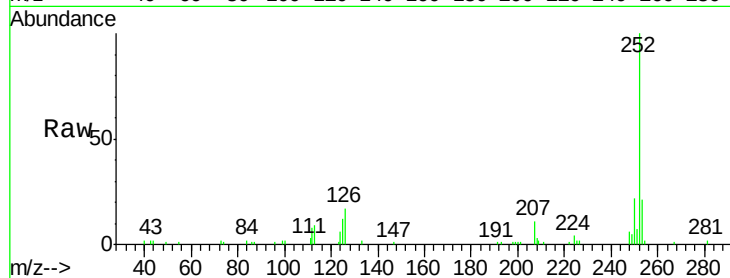
#88
Benzo(b)fluoranthene
Concen: 1.118 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.2	25.8
125	12.0	8.2	12.4

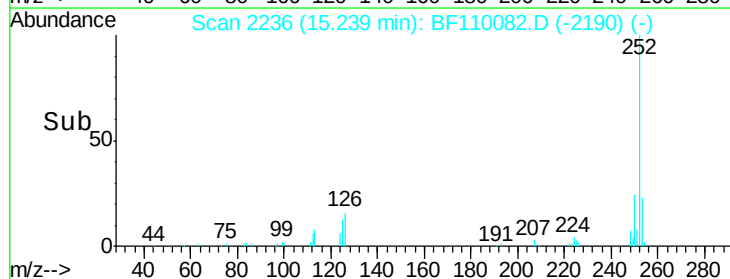
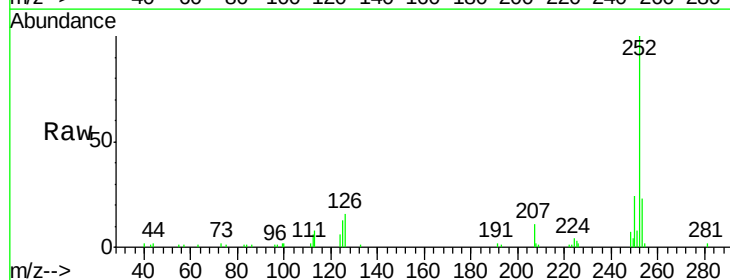
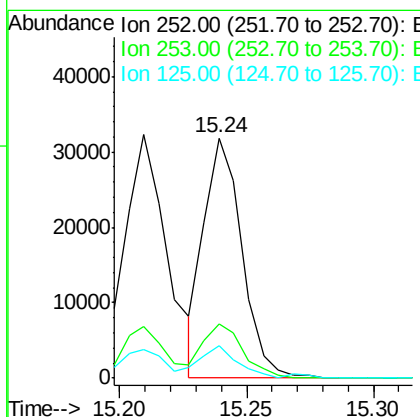
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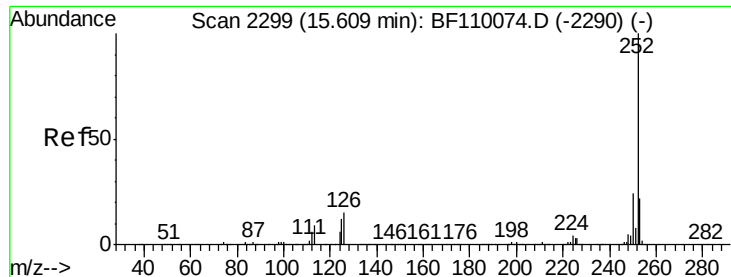
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#89
Benzo(k)fluoranthene
Concen: 0.999 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF110082.D
Acq: 23 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	13.2	7.4	11.0





#90

Benzo(a)pyrene

Concen: 1.070 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.03 min

Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Instrument :

BNA_F

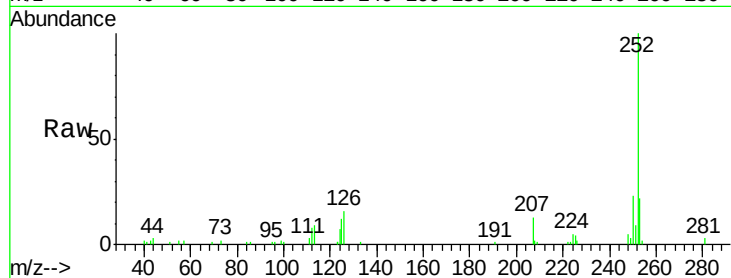
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

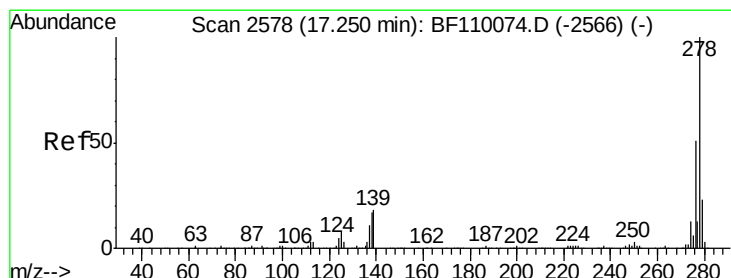
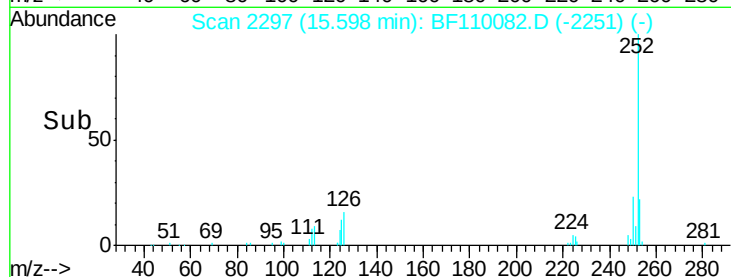
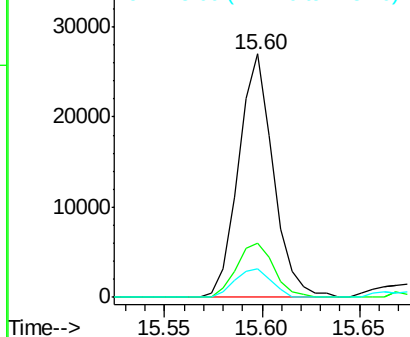
Tgt Ion:	252	Resp:	33261
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.4
125	12.0	9.0	13.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.992 ng

RT: 17.24 min Scan# 2576

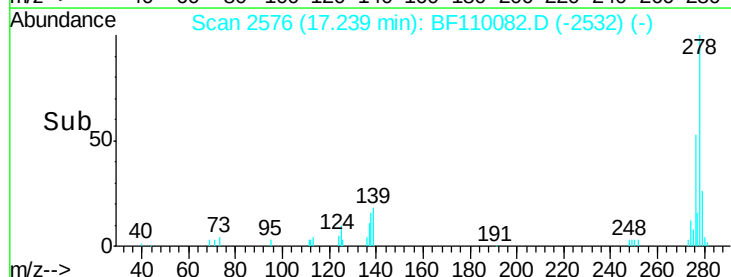
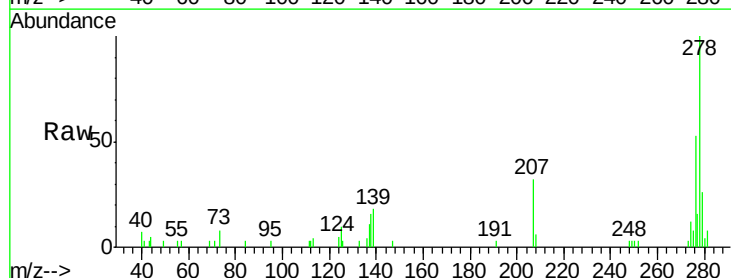
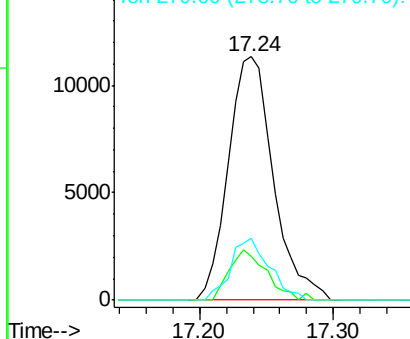
Delta R.T. -0.04 min

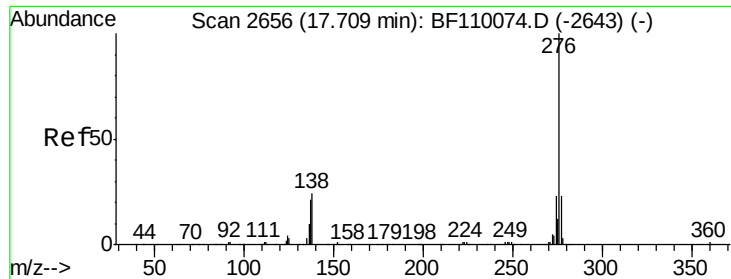
Lab File: BF110082.D

Acq: 23 Oct 2018 17:25

Tgt Ion:	278	Resp:	26600
Ion Ratio	Lower	Upper	
278	100		
139	18.3	12.7	19.1
279	25.6	19.0	28.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 0.964 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.05 min
 Lab File: BF110082.D
 Acq: 23 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
277	17.8	18.8	28.2#
138	24.9	16.0	24.0#

Manual Integrations
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