

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
 Data File : BF118439.D
 Acq On : 2 Jan 2020 16:58
 Operator : JU
 Sample : K6469-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 174-NC-TOPSOIL-001

Manual Integrations
 APPROVED

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 1/3/2020 11:04:12 AM

Quant Time: Jan 03 02:52:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	123558	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	492250	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	253229	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	425571	20.00	ng	0.00
76) Chrysene-d12	14.04	240	280809	20.00	ng	0.00
87) Perylene-d12	15.53	264	298062	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	758815	104.83	ng	0.00
7) Phenol-d6	6.49	99	972298	108.28	ng	0.00
23) Nitrobenzene-d5	7.42	82	568919	66.10	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	295381	94.46	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1089611	65.68	ng	-0.01
79) Terphenyl-d14	12.98	244	1014296	59.92	ng	0.00
Target Compounds						
10) Phenol	6.50	94	29515	2.924	ng	91
20) 3+4-Methylphenols	7.27	107	44921	5.338	ng	# 50
32) Benzoic acid	7.93	122	6538	6.773	ng	# 33
50) Dimethylphthalate	9.60	163	78118	4.110	ng	99
71) Phenanthrene	11.41	178	407354	17.558	ng	99
72) Anthracene	11.46	178	101395	4.366	ng	99
75) Fluoranthene	12.61	202	433699	18.523	ng	97
78) Pyrene	12.84	202	385050	16.792	ng	99
81) Benzo(a)anthracene	14.03	228	188202	9.575	ng	99
83) Chrysene	14.07	228	163811	8.704	ng	99
86) Indeno(1,2,3-cd)pyrene	17.04	276	56610	3.530	ng	95
88) Benzo(b)fluoranthene	15.10	252	175653m	8.878	ng	
89) Benzo(k)fluoranthene	15.12	252	50559m	2.661	ng	
90) Benzo(a)pyrene	15.47	252	109507	6.283	ng	# 92
92) Benzo(a,h,i)perylene	17.51	276	51902	3.552	ng	# 92

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

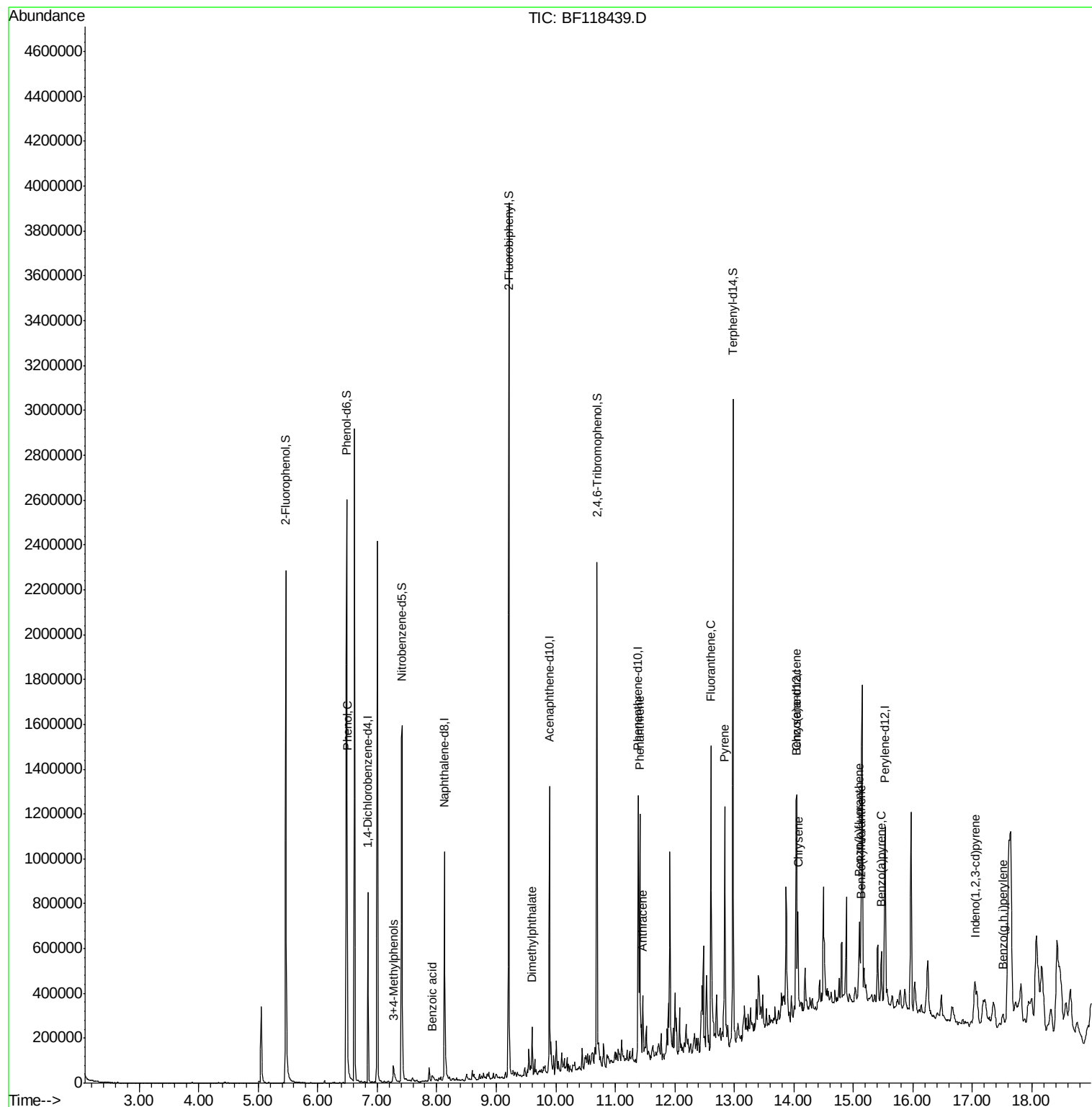
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
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ALS Vial : 10 Sample Multiplier: 1

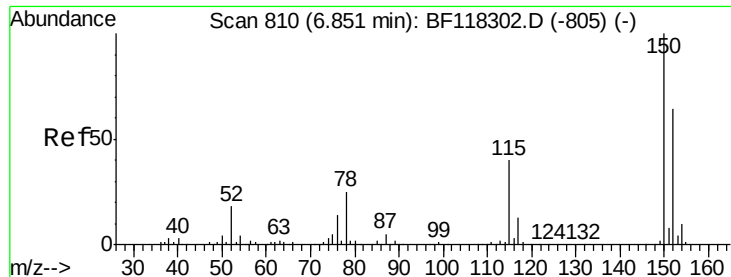
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
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#1

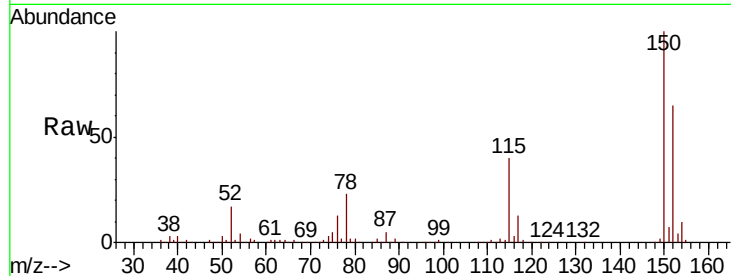
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Instrument :
BNA_F
ClientSampleId :
174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.4	188.2
115	61.8	50.2	75.4

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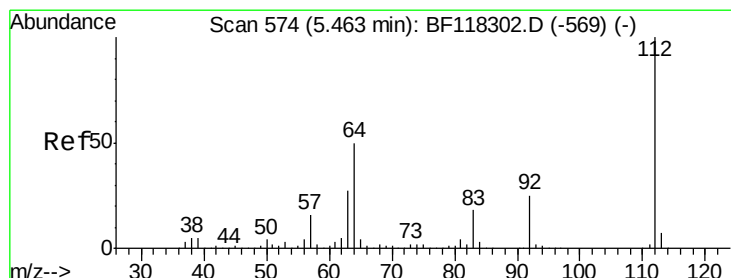
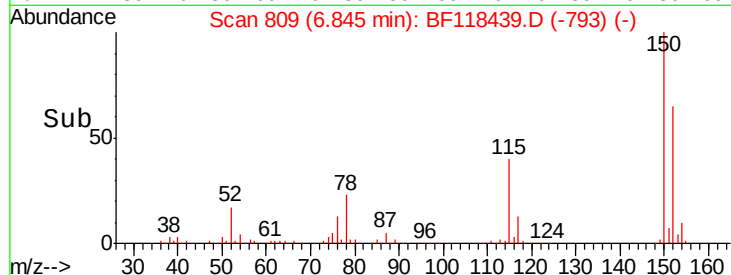
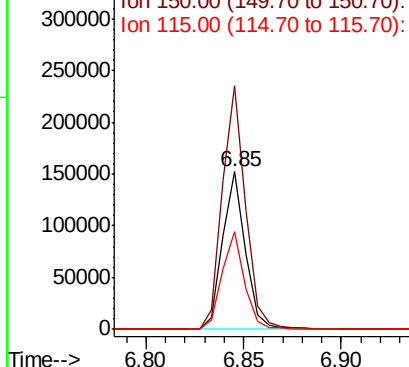


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

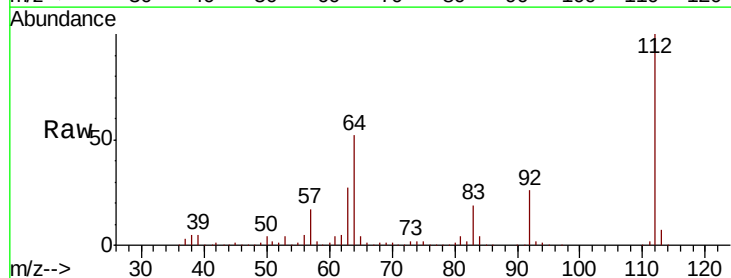
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.832 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	39.7	59.5
63	27.3	21.7	32.5

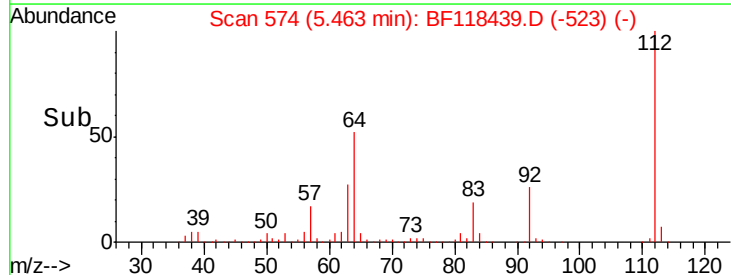
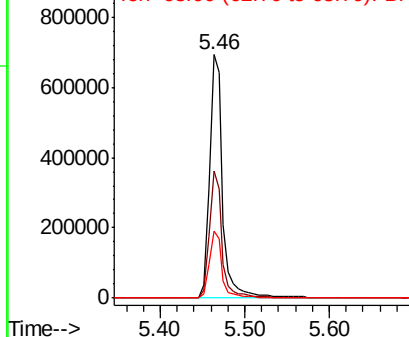


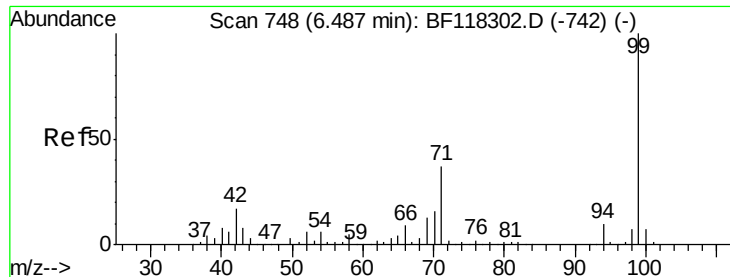
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.281 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Instrument :

BNA_F

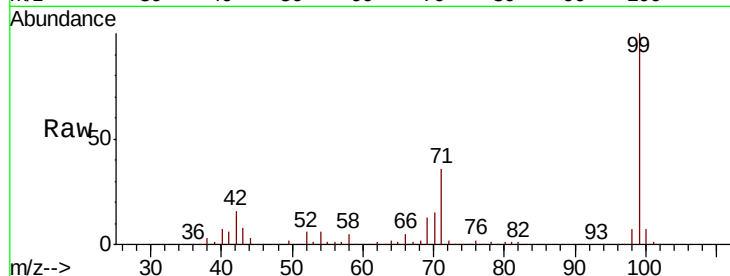
ClientSampleId :

174-NC-TOPSOIL-001

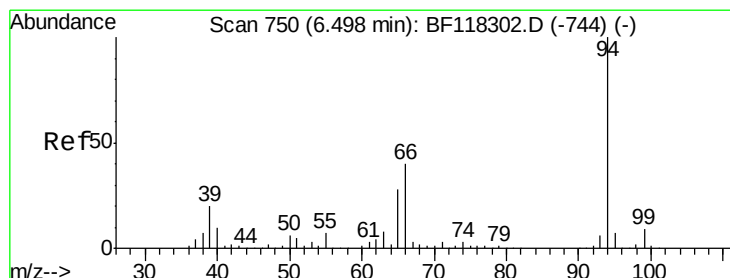
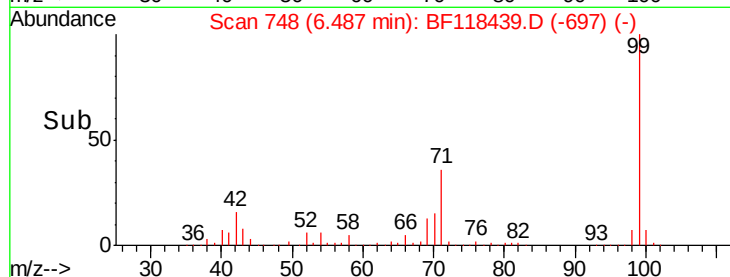
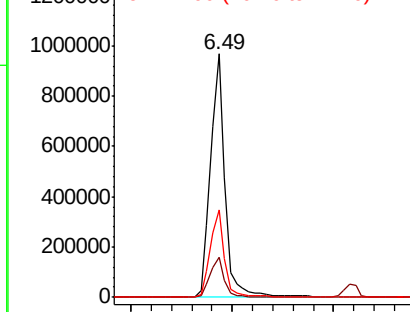
Tot Ion:	99	Resp:	972298
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	35.7	29.4	44.2

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.924 ng

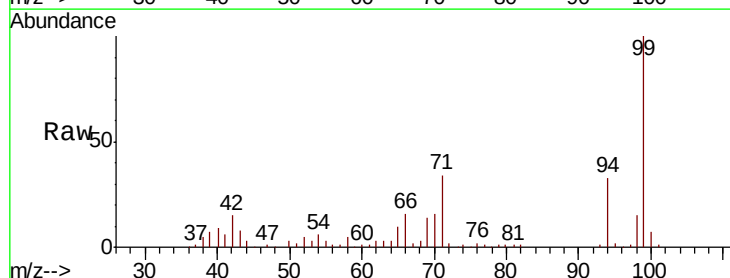
RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

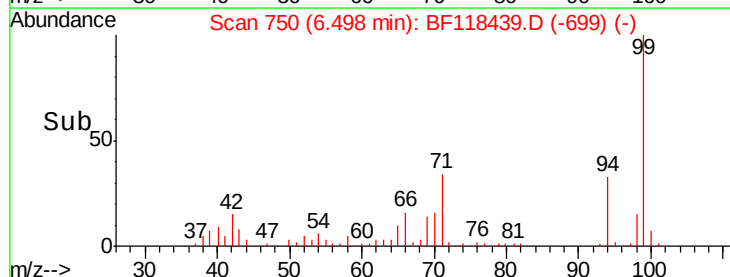
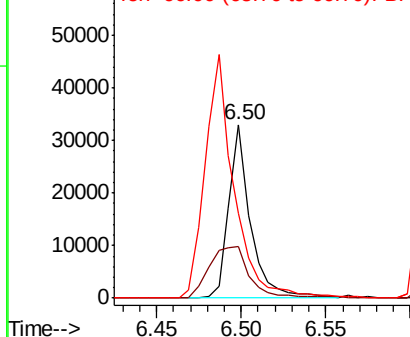
Lab File: BF118439.D

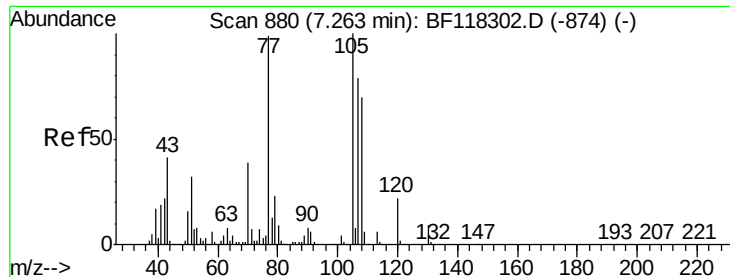
Acq: 2 Jan 2020 16:58

Tgt Ion:	94	Resp:	29515
Ion Ratio	Lower	Upper	
94	100		
65	29.8	7.8	47.8
66	48.7	20.4	60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#20

3+4-Methylphenols

Concen: 5.338 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Instrument :

BNA_F

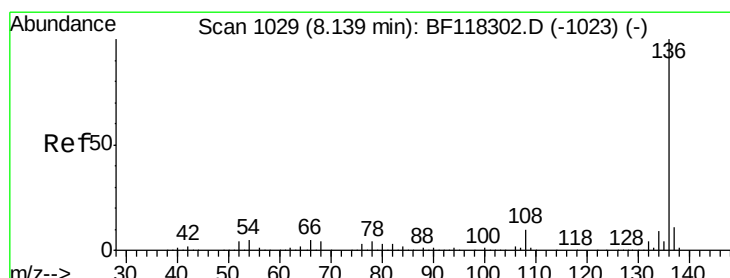
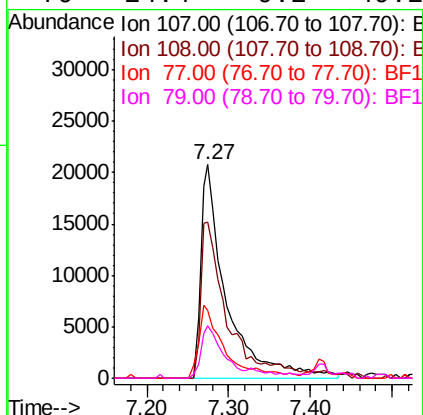
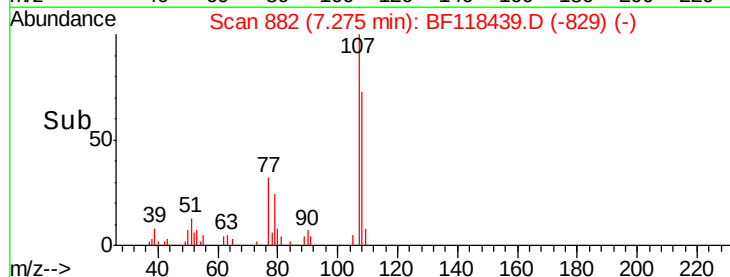
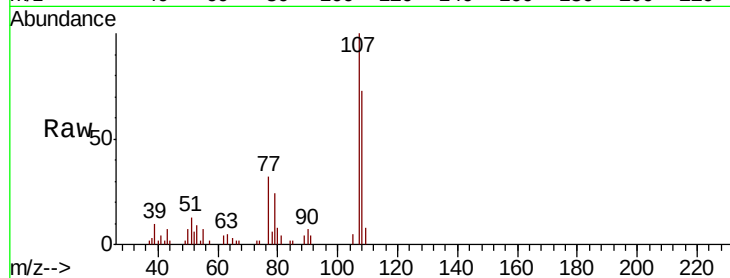
ClientSampleId :

174-NC-TOPSOIL-001

Tot Ion	107	Resp	44921
Ion Ratio	Lower	Upper	
107	100		
108	73.0	69.3	109.3
77	31.8	105.9	145.9#
79	24.4	9.2	49.2

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#21

Naphthalene-d8

Concen: 20.000 ng

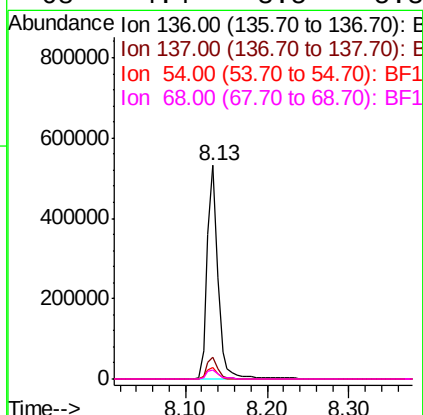
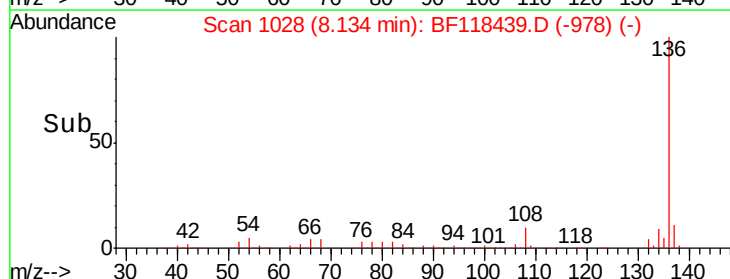
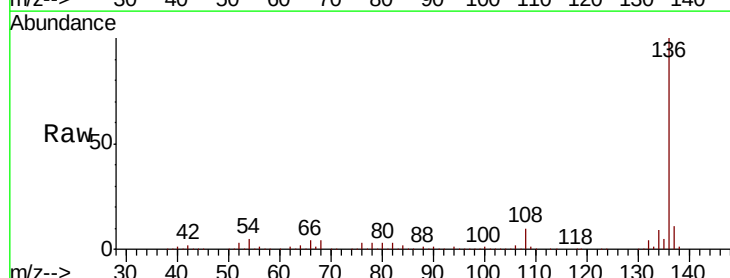
RT: 8.13 min Scan# 1028

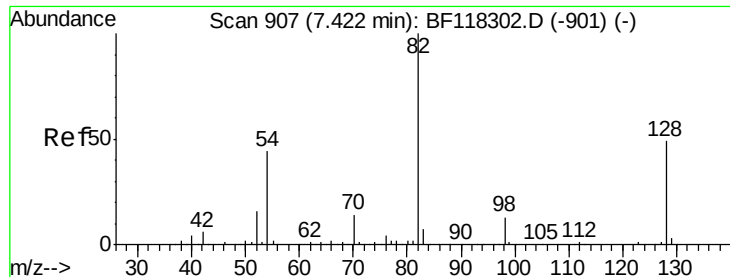
Delta R.T. -0.01 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Tgt Ion	136	Resp	492250
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	5.3	4.2	6.4
68	4.4	3.5	5.3





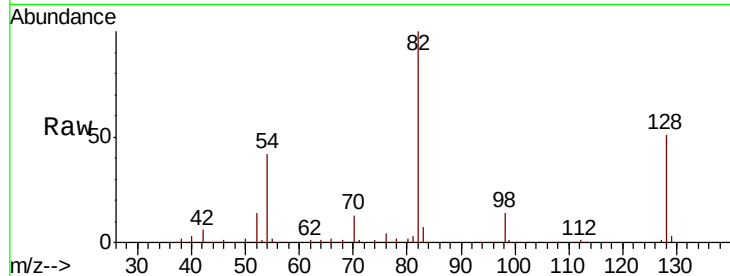
#23
 Nitrobenzene-d5
 Concen: 66.103 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF118439.D
 Acq: 2 Jan 2020 16:58

Instrument :
 BNA_F
 ClientSampleId :
 174-NC-TOPSOIL-001

Tot Ion	Ratio	Resp	Lower	Upper
82	100	568919		
128	50.7		39.6	59.4
54	41.6		34.9	52.3

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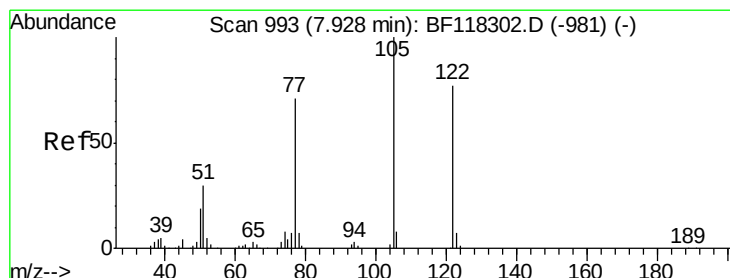
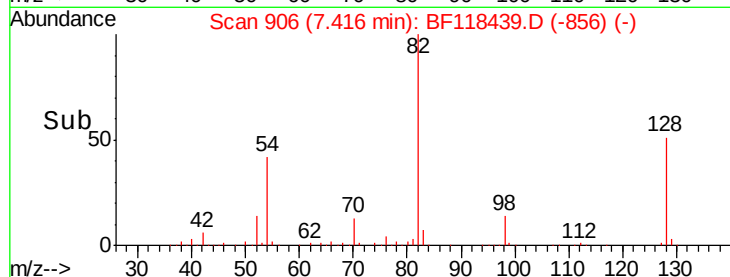
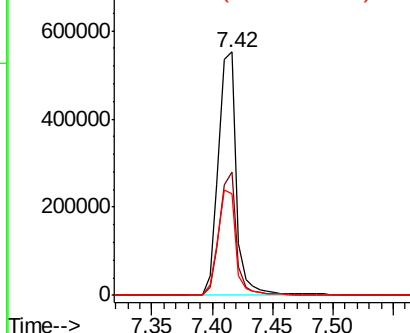


Abundance

Ion 82.00 (81.70 to 82.70): BF1

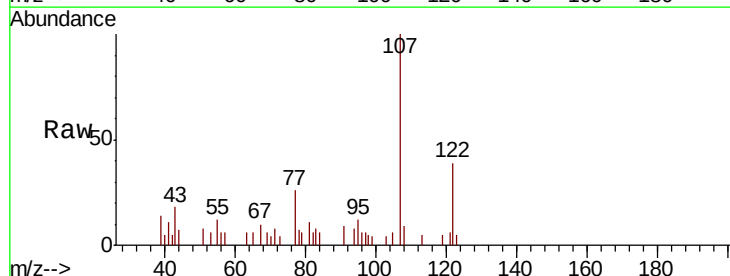
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#32
 Benzoic acid
 Concen: 6.773 ng
 RT: 7.93 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: BF118439.D
 Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	6538		
105	15.4		106.8	146.8#
77	67.0		70.4	110.4#

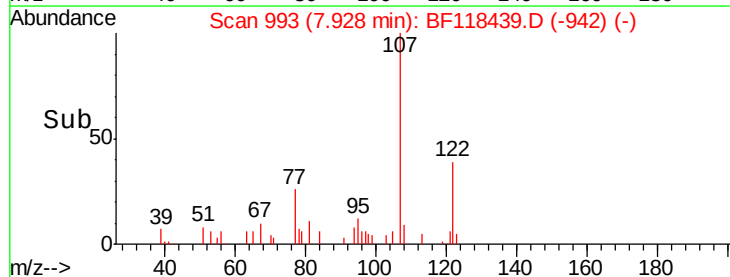
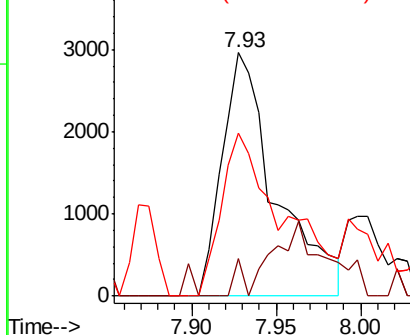


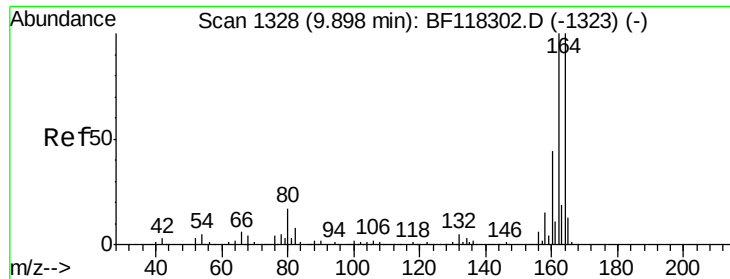
Abundance

Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





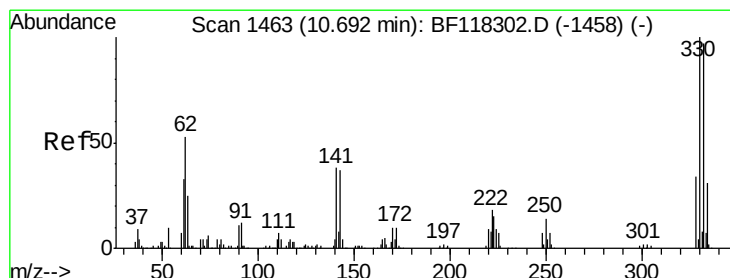
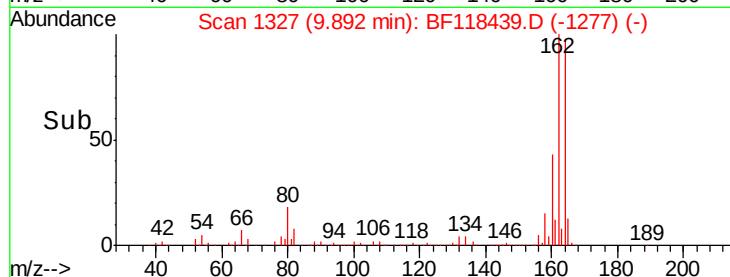
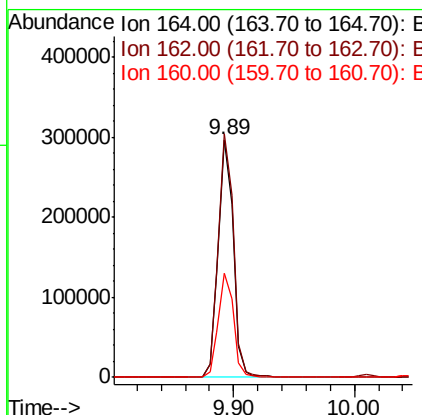
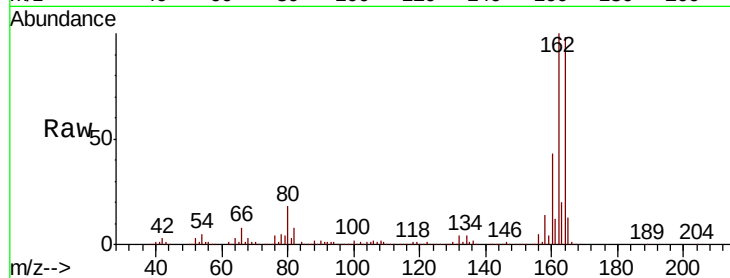
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF118439.D
 Acq: 2 Jan 2020 16:58

Instrument :
 BNA_F
 ClientSampleId :
 174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.0	120.0
160	44.1	34.8	52.2

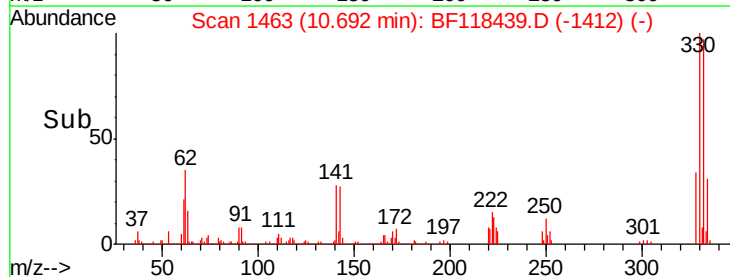
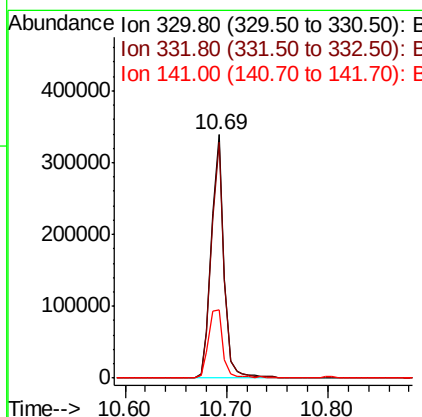
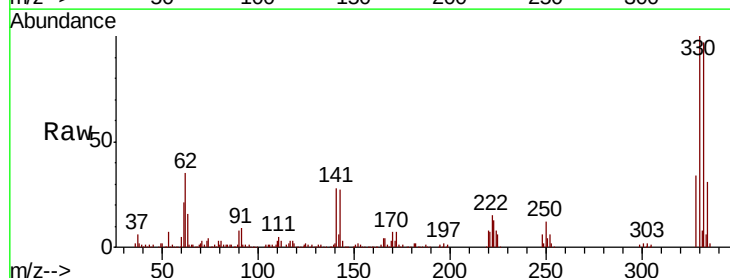
Manual Integrations
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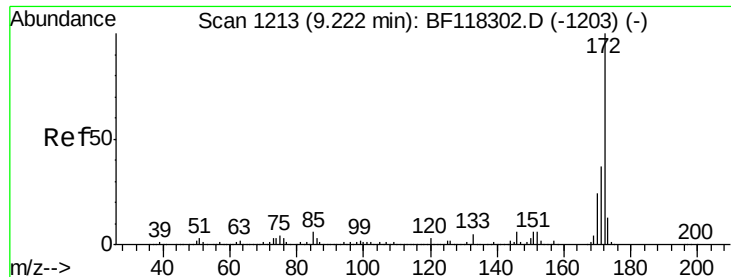
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#42
 2,4,6-Tribromophenol
 Concen: 94.456 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118439.D
 Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	31.9	26.0	39.0





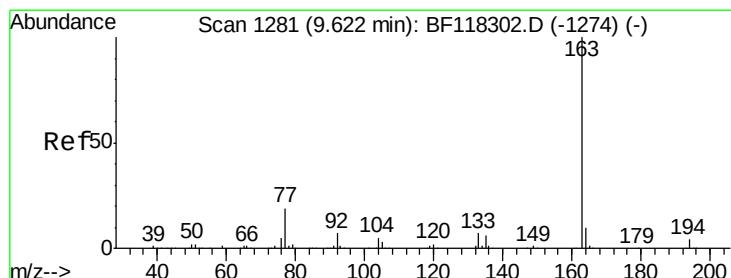
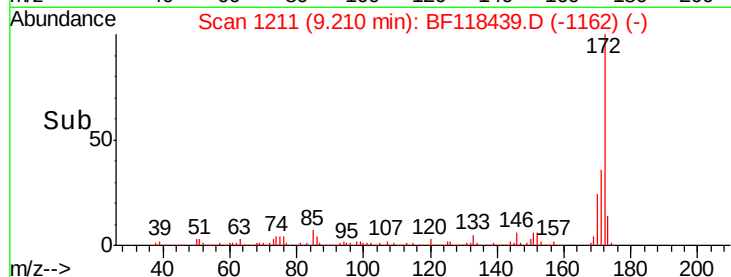
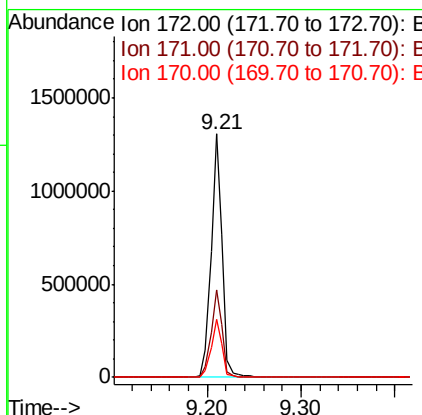
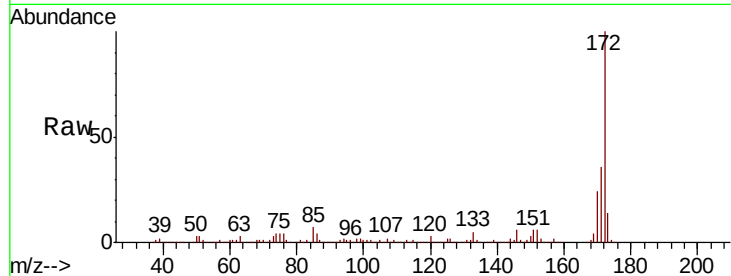
#45
2-Fluorobiphenyl
Concen: 65.682 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Instrument :
BNA_F
ClientSampleId :
174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.3	43.9
170	23.9	19.2	28.8

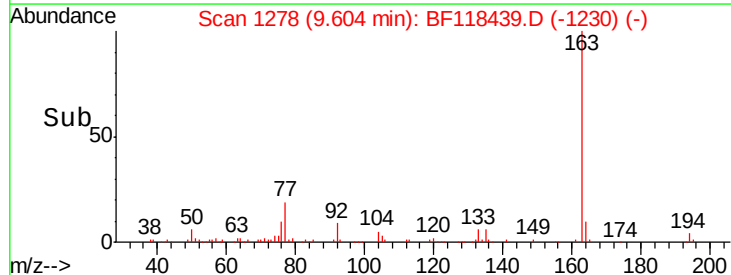
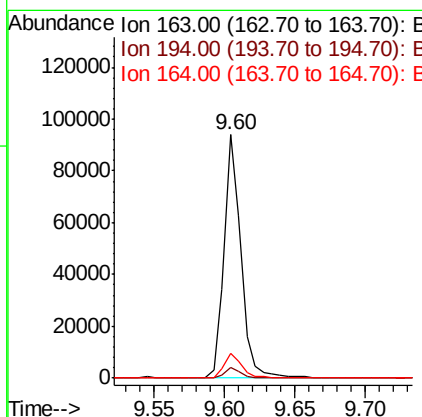
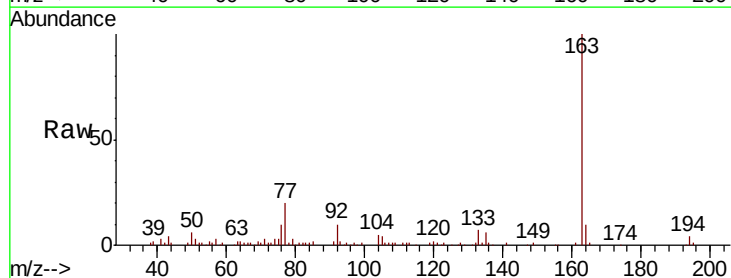
Manual Integrations
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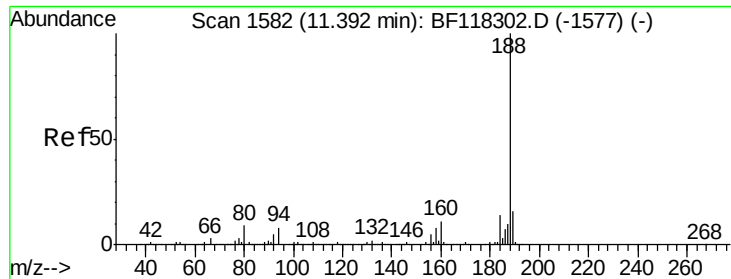
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#50
Dimethylphthalate
Concen: 4.110 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	10.3	7.9	11.9





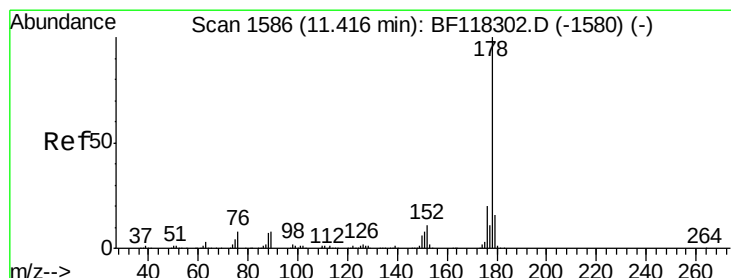
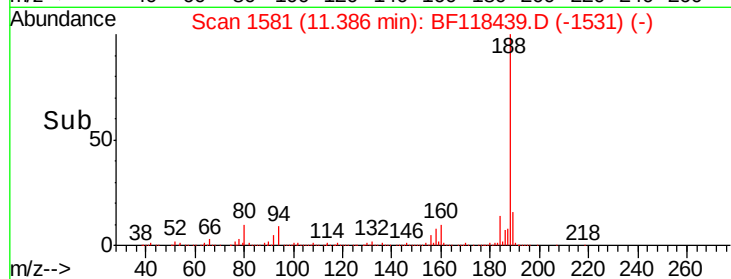
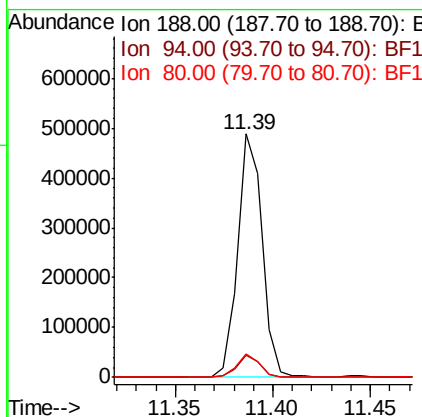
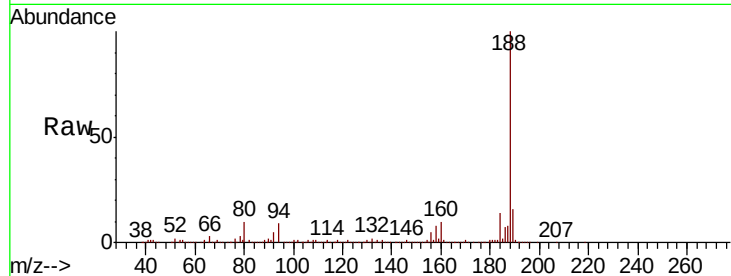
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Instrument :
BNA_F
ClientSampleId :
174-NC-TOPSOIL-001

Tot Ion	Ratio	Resp	Lower	Upper
188	100	425571		
94	9.3	6.7	10.1	
80	9.8	7.2	10.8	

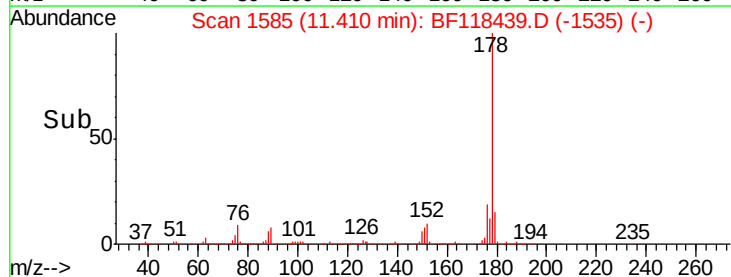
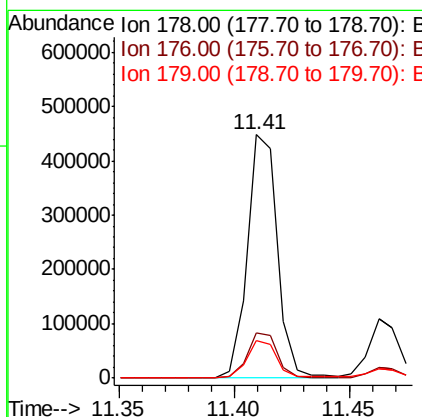
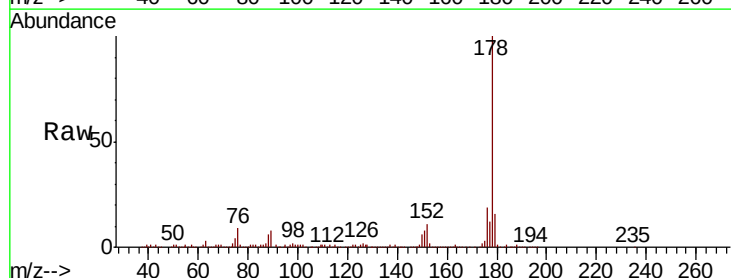
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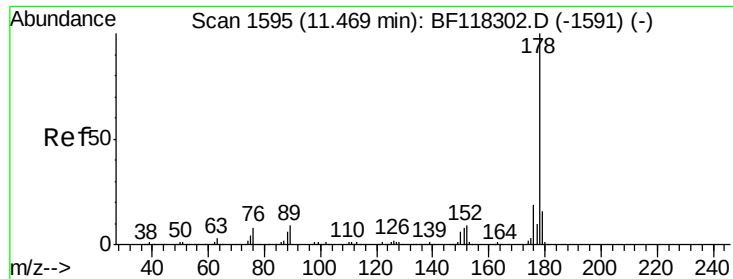
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#71
Phenanthrene
Concen: 17.558 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	407354		
176	18.7	15.6	23.4	
179	15.6	12.6	19.0	





#72

Anthracene

Concen: 4.366 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Instrument :

BNA_F

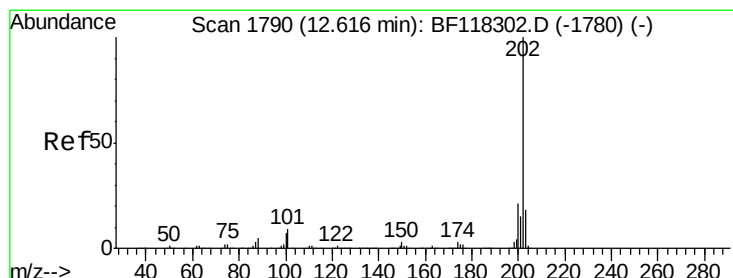
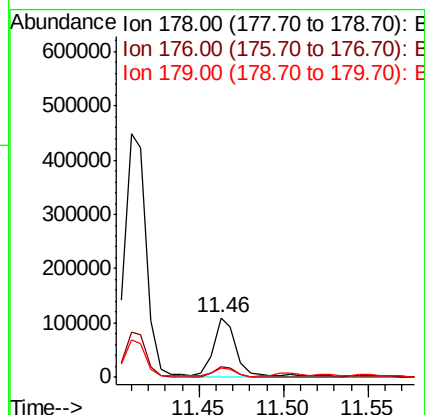
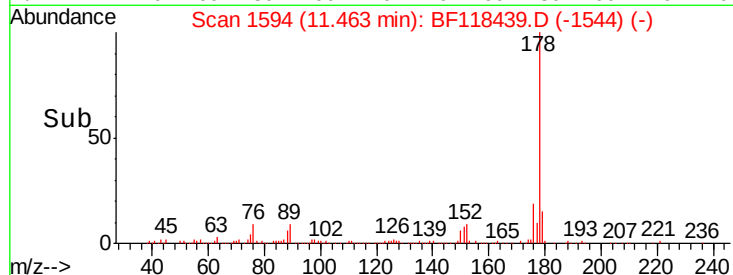
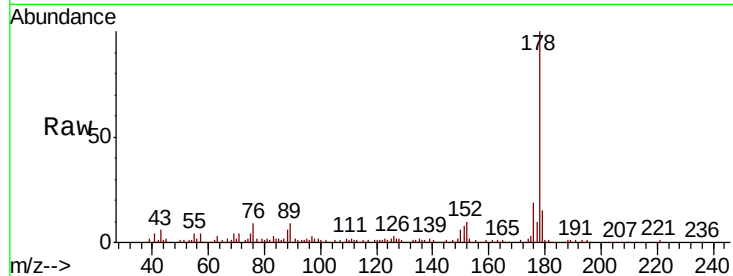
ClientSampleId :

174-NC-TOPSOIL-001

Tot Ion:	178	Resp:	101395
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.0	12.9	19.3

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#75

Fluoranthene

Concen: 18.523 ng

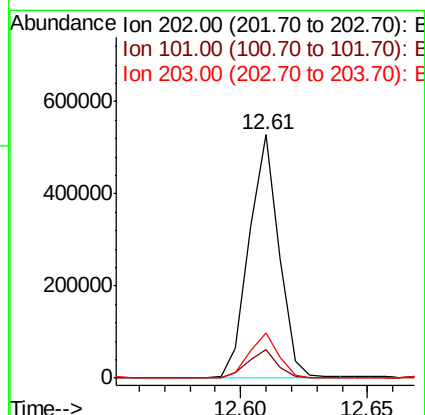
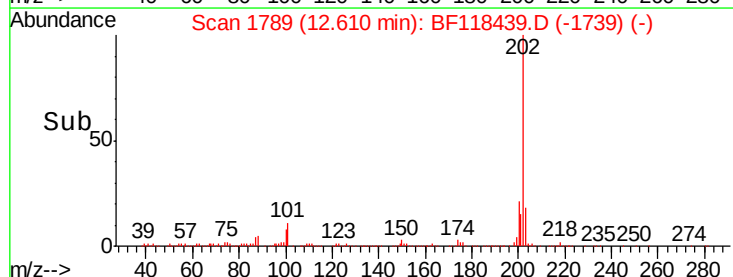
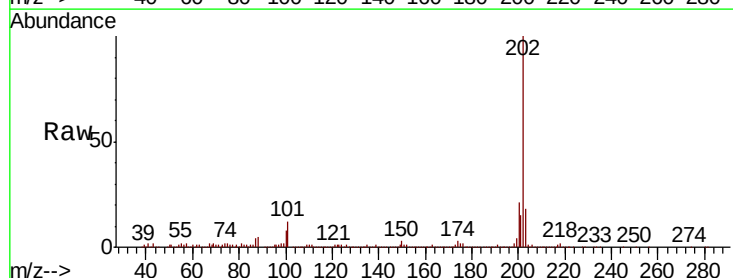
RT: 12.61 min Scan# 1789

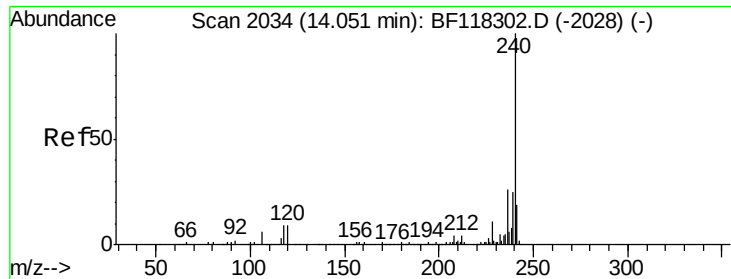
Delta R.T. -0.01 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Tgt Ion:	202	Resp:	433699
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	29.5
203	18.3	0.0	37.6





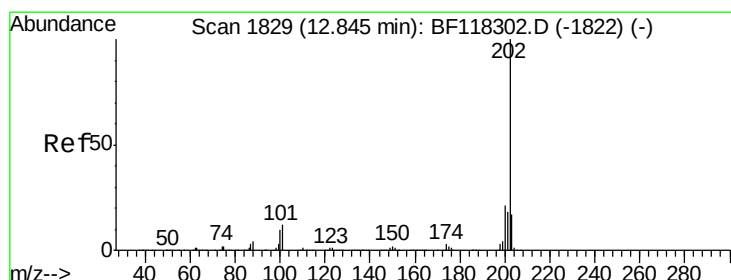
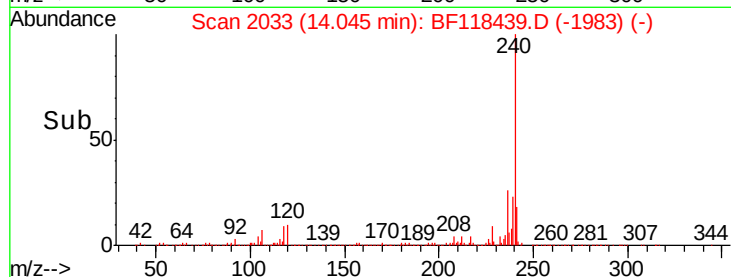
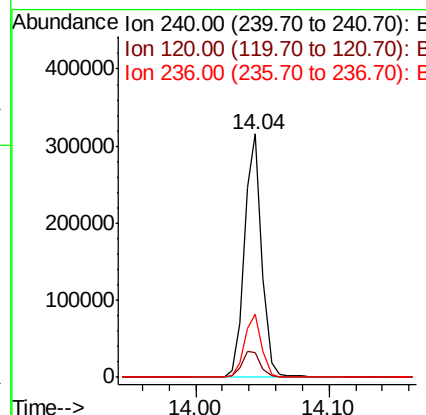
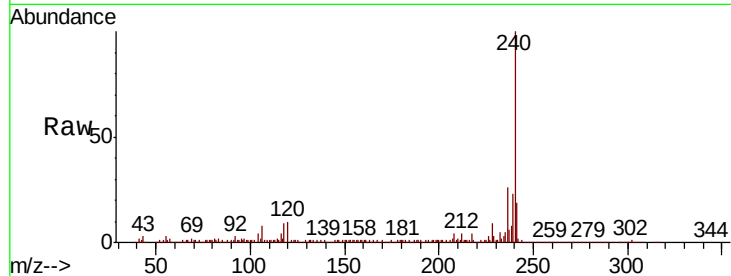
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Instrument :
BNA_F
ClientSampleId :
174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.1	10.7
236	26.2	21.0	31.6

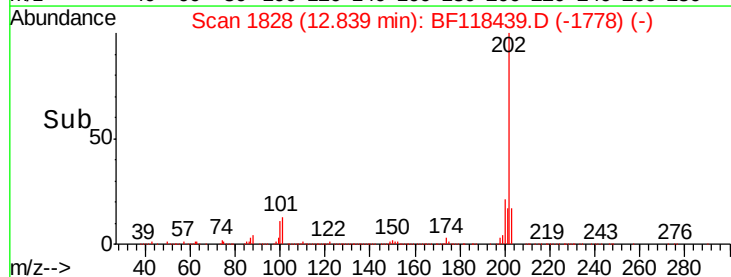
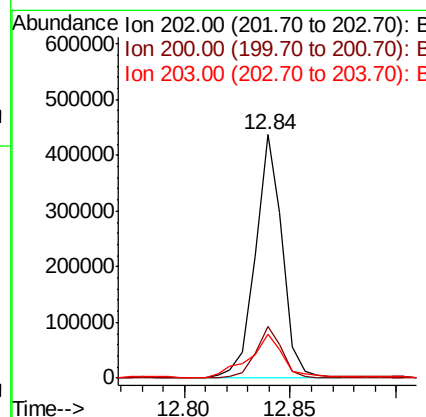
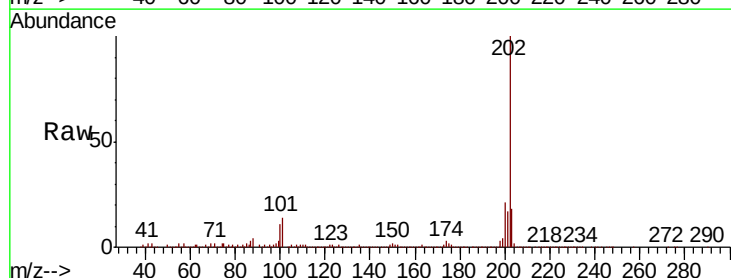
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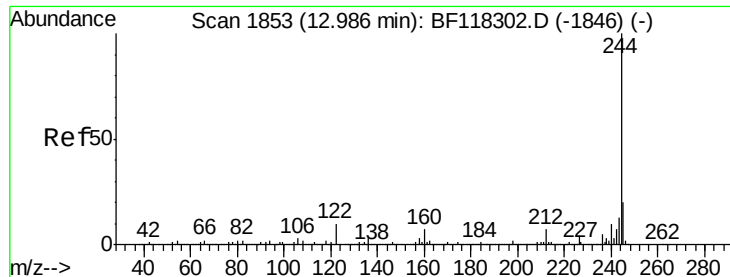
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#78
Pyrene
Concen: 16.792 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	18.1	13.9	20.9





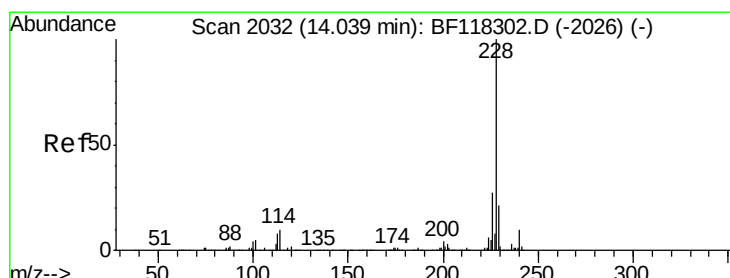
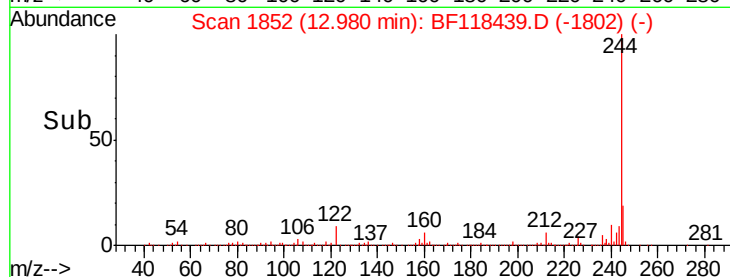
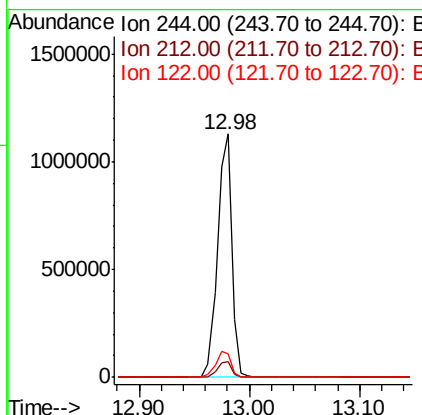
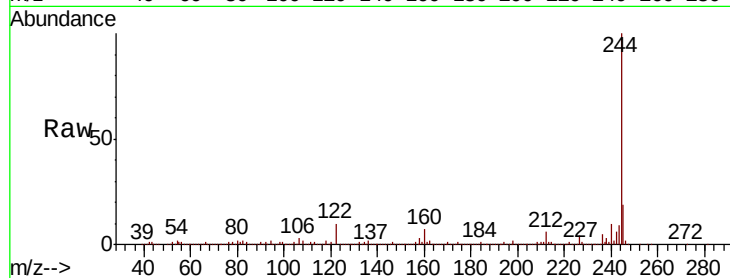
#79
 Terphenyl-d14
 Concen: 59.925 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF118439.D
 Acq: 2 Jan 2020 16:58

Instrument :
 BNA_F
 ClientSampleId :
 174-NC-TOPSOIL-001

Tot Ion:244 Resp: 1014296
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 9.5 7.8 11.8

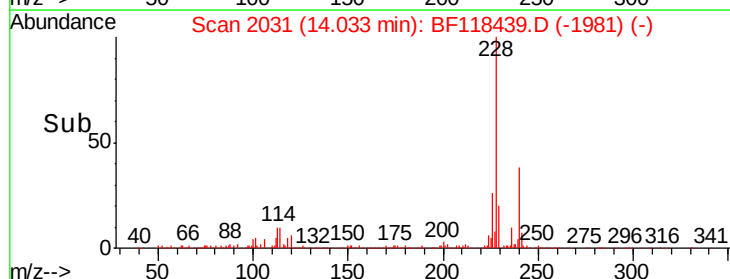
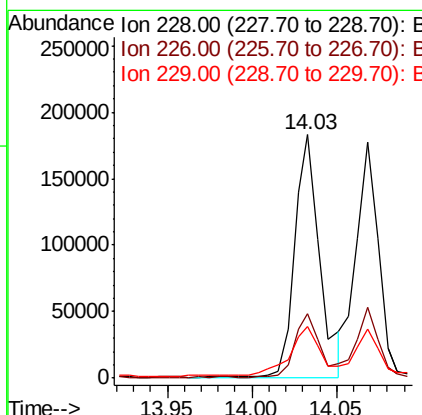
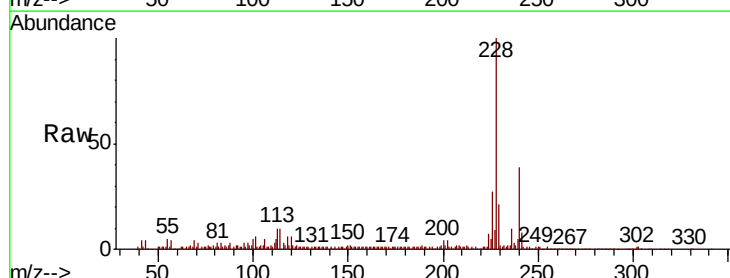
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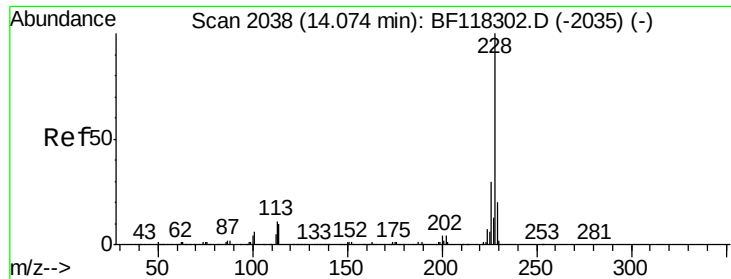
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#81
 Benzo(a)anthracene
 Concen: 9.575 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118439.D
 Acq: 2 Jan 2020 16:58

Tgt Ion:228 Resp: 188202
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.0 33.0
 229 21.1 16.6 24.8





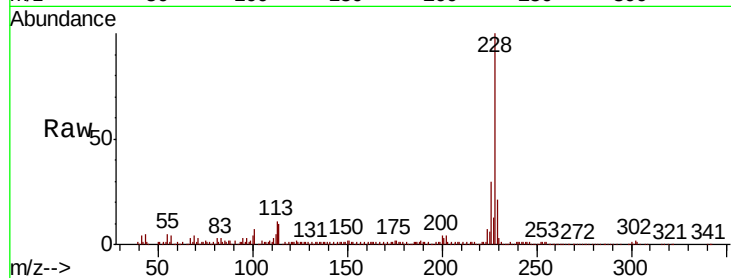
#83
Chrysene
Concen: 8.704 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Instrument :
BNA_F
ClientSampleId :
174-NC-TOPSOIL-001

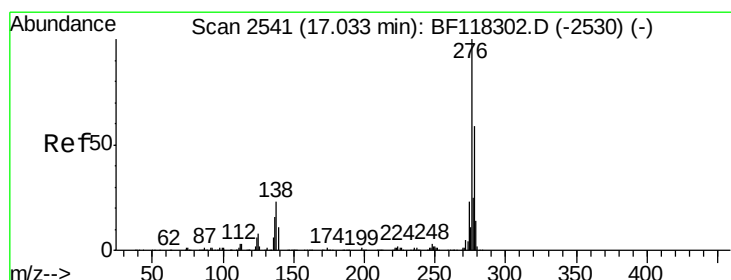
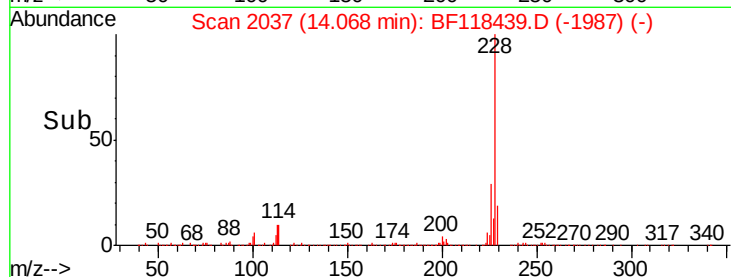
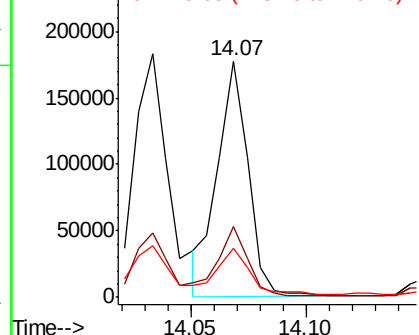
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	20.9	16.1	24.1

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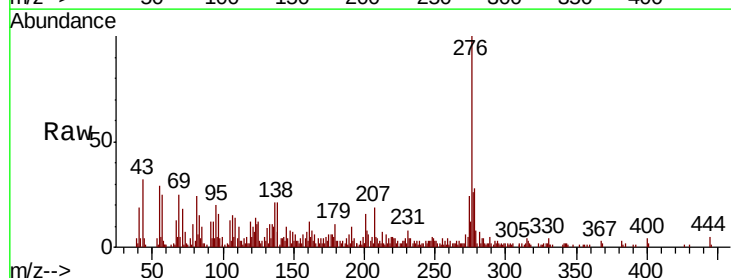


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

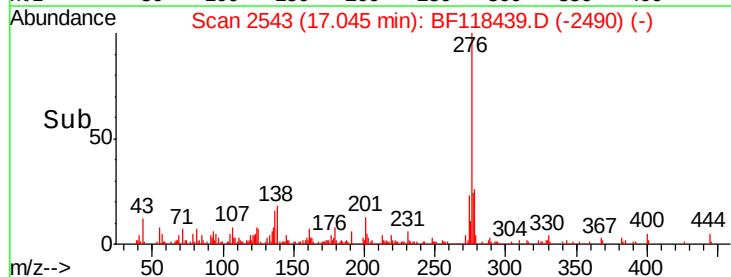
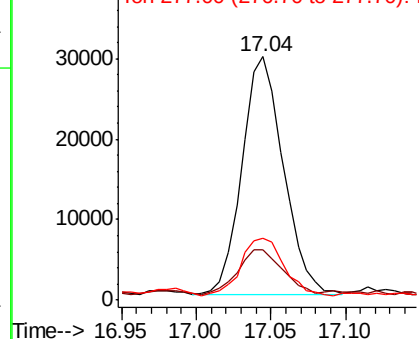


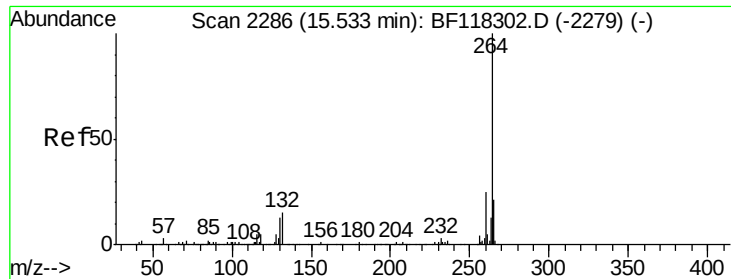
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.530 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.5	29.3
277	26.1	20.6	30.8



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Instrument :

BNA_F

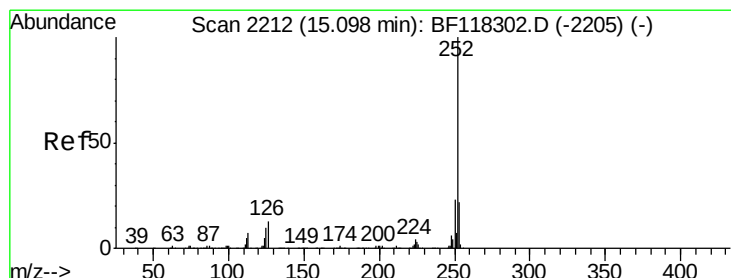
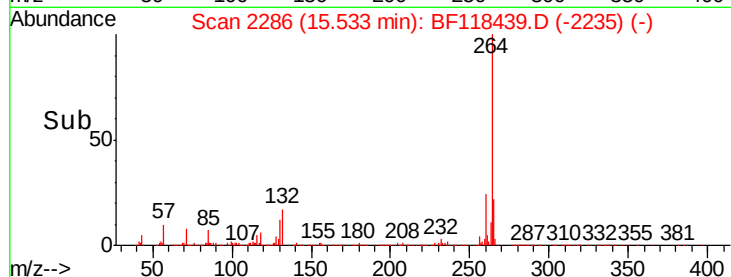
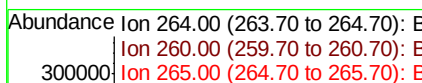
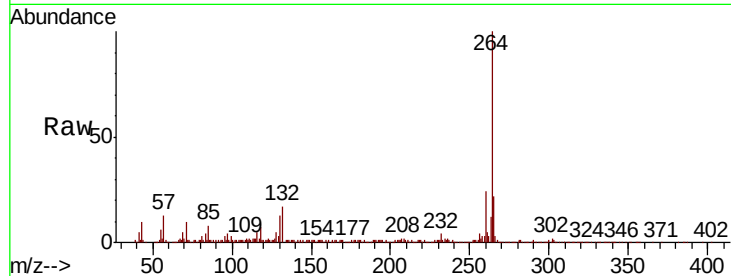
ClientSampleId :

174-NC-TOPSOIL-001

Tot Ion:	264	Resp:	298062
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.8	29.6
265	22.0	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 8.878 ng m

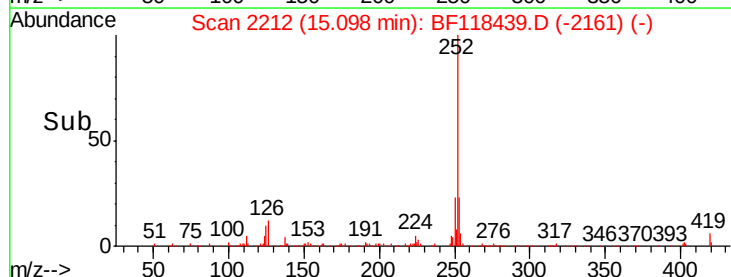
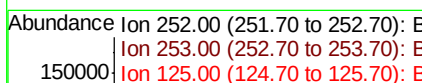
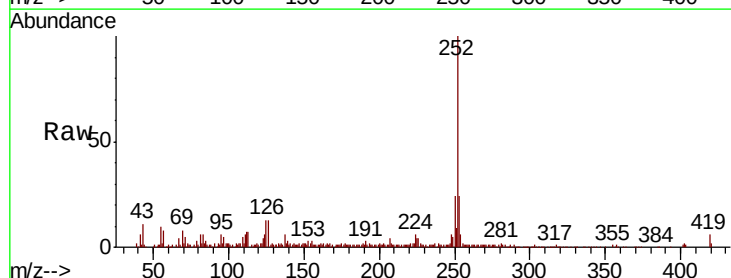
RT: 15.10 min Scan# 2212

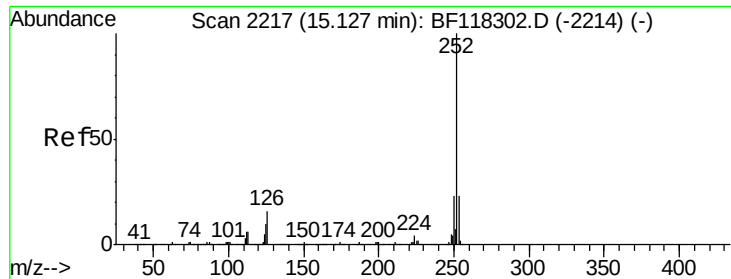
Delta R.T. 0.00 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Tgt Ion:	252	Resp:	175653
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.5	26.3
125	13.3	7.7	11.5#





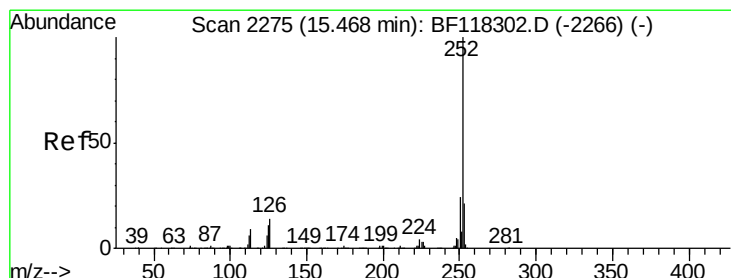
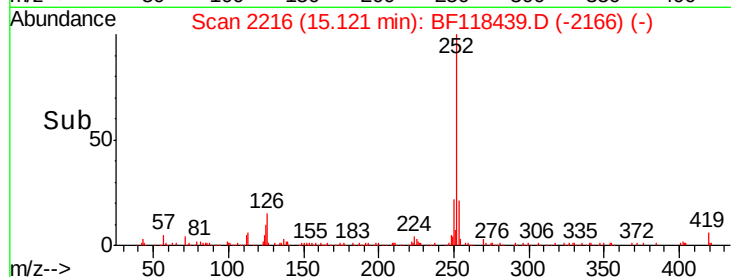
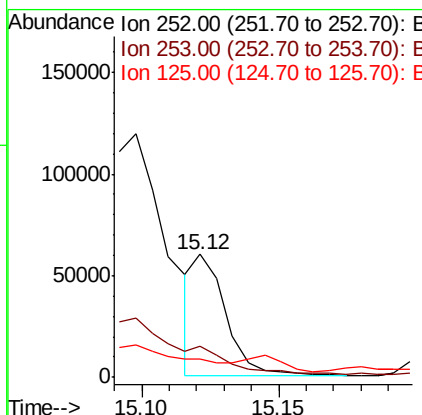
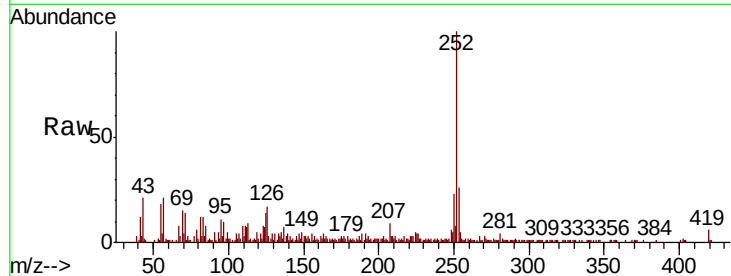
#89
Benzo(k)fluoranthene
Concen: 2.661 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Instrument :
BNA_F
ClientSampleId :
174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	14.4	8.0	12.0

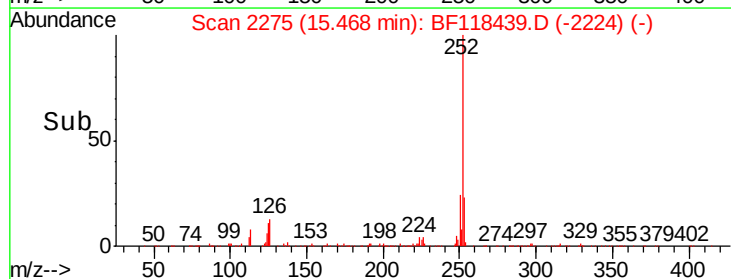
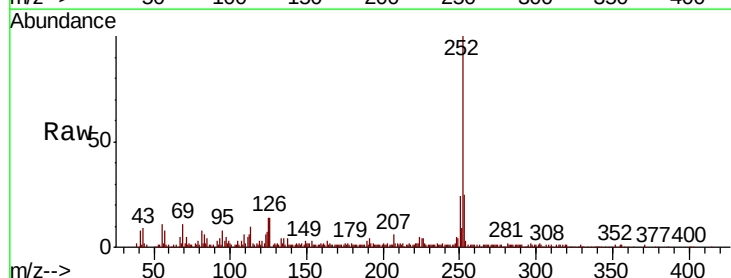
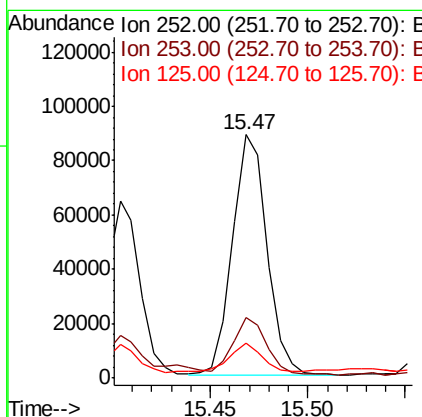
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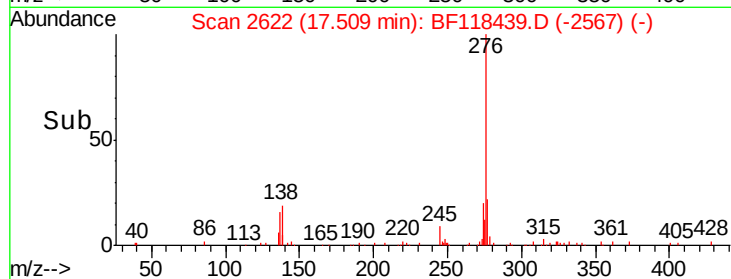
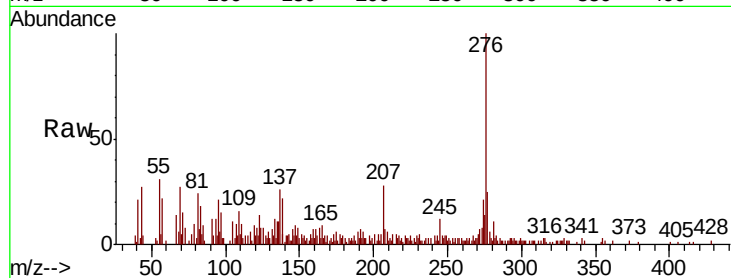
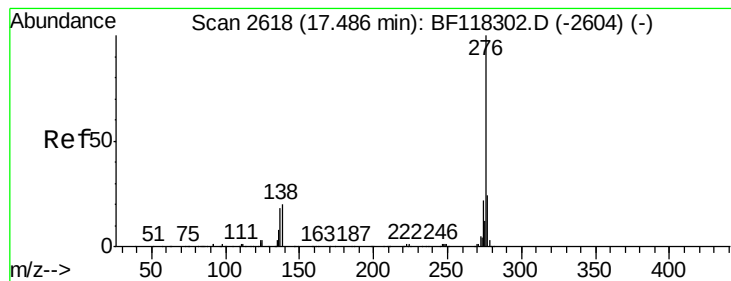
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#90
Benzo(a)pyrene
Concen: 6.283 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF118439.D
Acq: 2 Jan 2020 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	14.4	9.0	13.4





#92

Benzo(a,h,i)perylene

Concen: 3.552 ng

RT: 17.51 min Scan# 2622

Delta R.T. 0.02 min

Lab File: BF118439.D

Acq: 2 Jan 2020 16:58

Instrument :

BNA_F

ClientSampleId :

174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.1	28.7
138	27.0	16.1	24.1

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