

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100919\
 Data File : BF117358.D
 Acq On : 9 Oct 2019 16:38
 Operator : JU
 Sample : K5286-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

Quant Time: Oct 09 23:12:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	42662	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	170669	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	87922	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	126053	20.00	ng	0.00
76) Chrysene-d12	13.97	240	94210	20.00	ng	0.00
87) Perylene-d12	15.43	264	107770	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	252956	92.57	ng	0.00
7) Phenol-d6	6.45	99	354782	100.46	ng	0.00
23) Nitrobenzene-d5	7.36	82	218762	67.35	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	65892	89.67	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	365373	64.98	ng	0.00
79) Terphenyl-d14	12.91	244	275312	54.62	ng	0.00

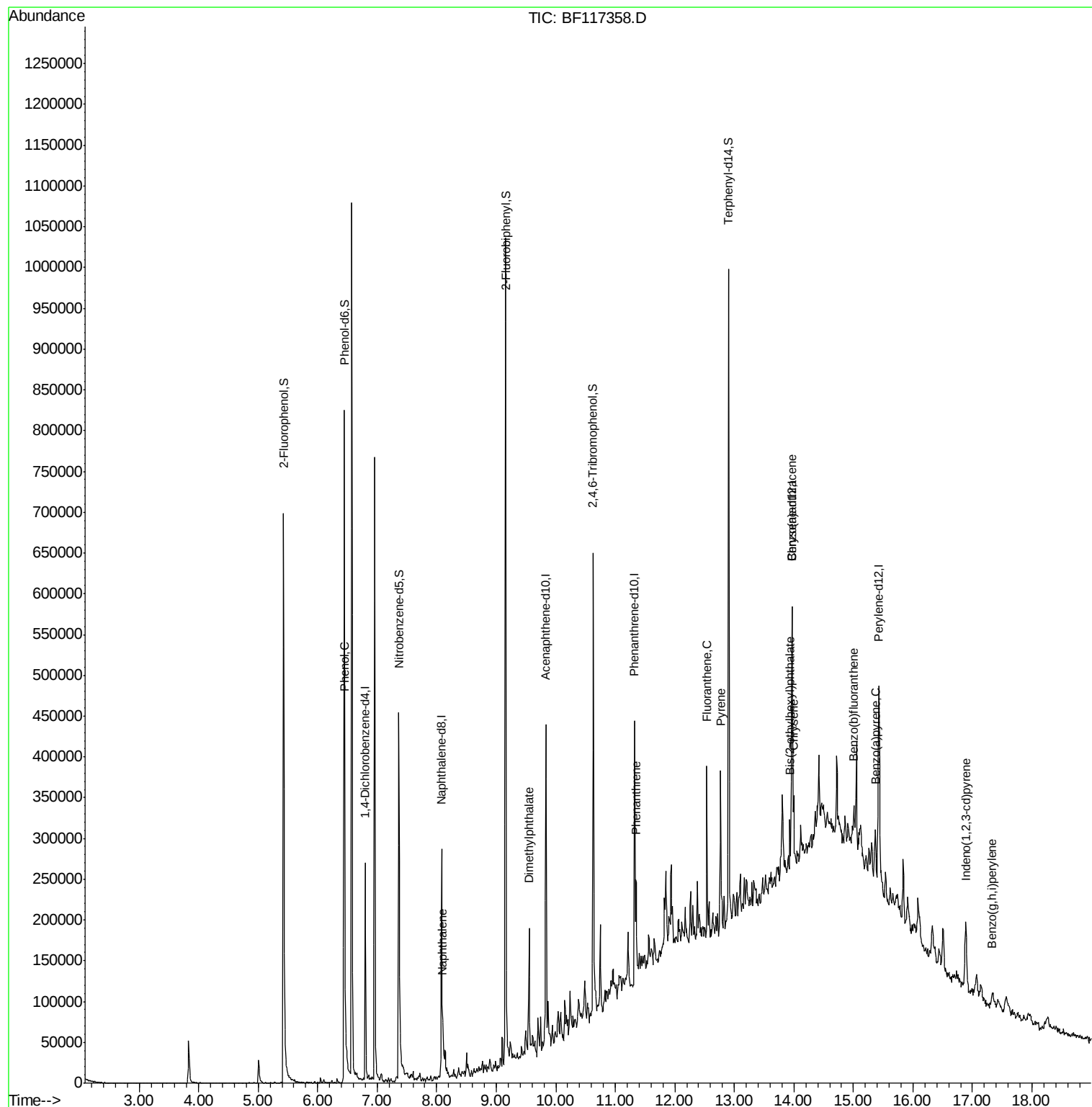
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	12454	3.199	ng	85
31) Naphthalene	8.10	128	23307	2.840	ng	97
50) Dimethylphthalate	9.55	163	52197	8.385	ng	96
71) Phenanthrene	11.35	178	48896	6.829	ng	98
75) Fluoranthene	12.54	202	77740	10.567	ng	97
78) Pyrene	12.77	202	79142	10.012	ng	96
81) Benzo(a)anthracene	13.96	228	33180	5.271	ng	# 91
83) Chrysene	14.00	228	33518	5.460	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.93	149	17134	3.558	ng	# 90
86) Indeno(1,2,3-cd)pyrene	16.90	276	9951	2.222	ng	# 78
88) Benzo(b)fluoranthene	15.01	252	28333m	4.340	ng	
90) Benzo(a)pyrene	15.37	252	21906	3.824	ng	# 80
92) Benzo(a,h,i)perylene	17.33	276	9522	2.094	ng	93

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

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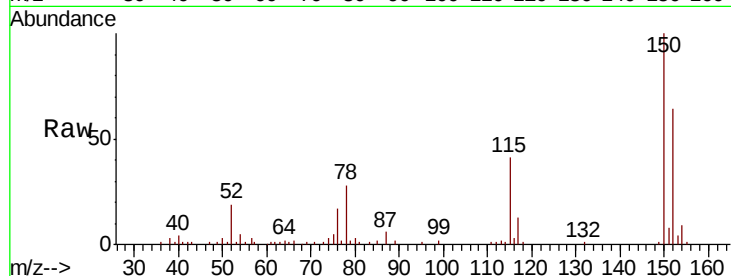


#1

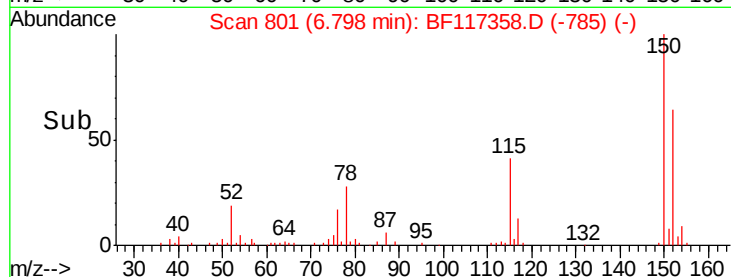
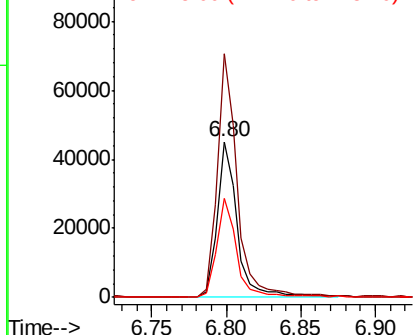
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Instrument :
BNA_F
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

Tot Ion:152 Resp: 42662
Ion Ratio Lower Upper
152 100
150 156.6 127.5 191.3
115 63.6 55.0 82.4



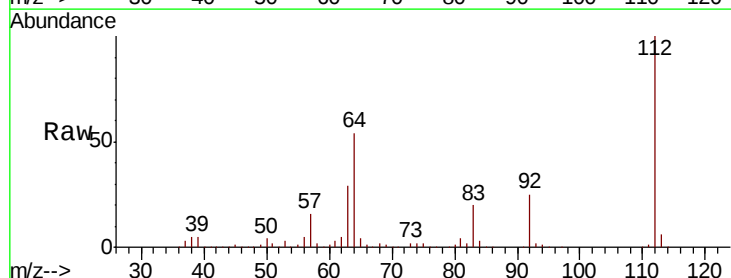
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



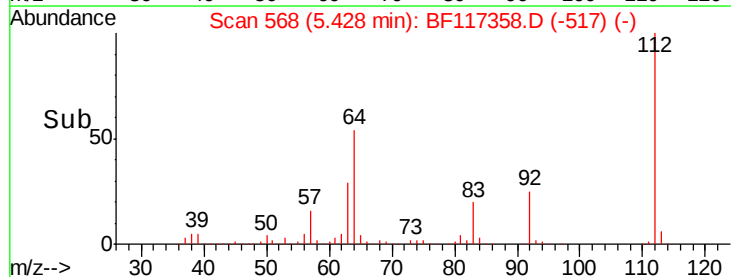
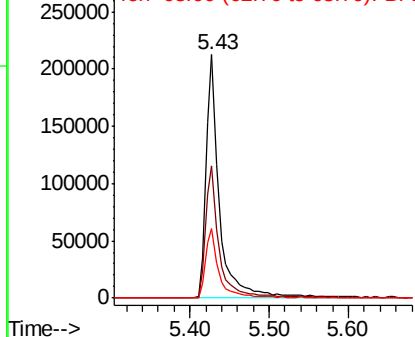
#5

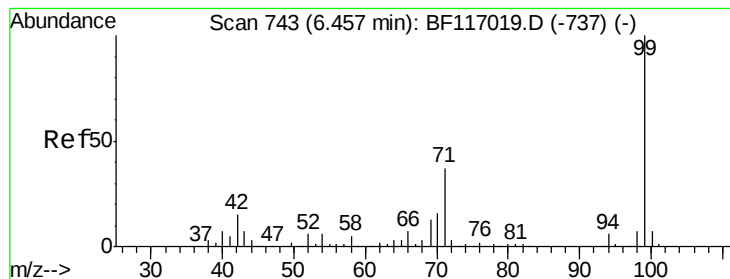
2-Fluorophenol
Concen: 92.571 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:112 Resp: 252956
Ion Ratio Lower Upper
112 100
64 54.5 45.7 68.5
63 28.8 24.9 37.3



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: 100.464 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

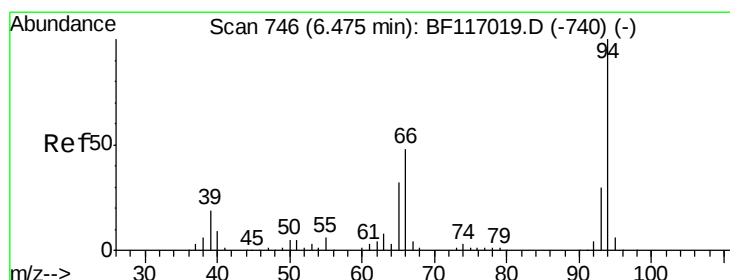
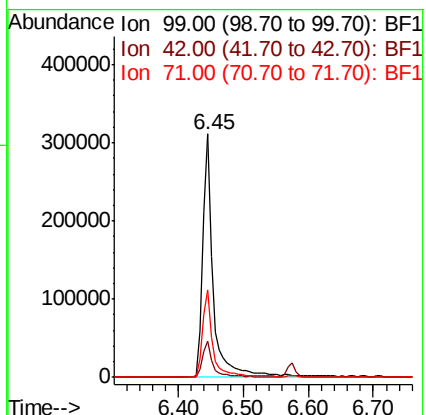
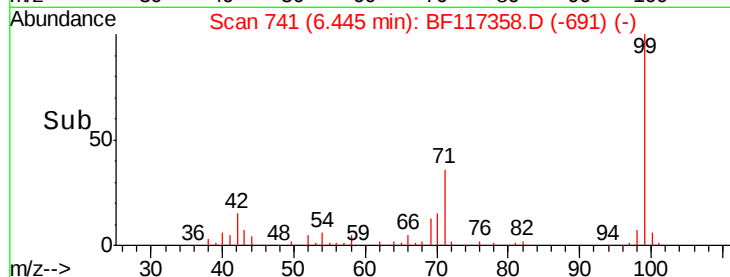
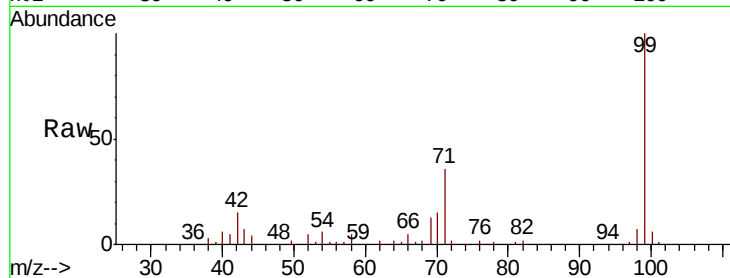
Tot Ion: 99 Resp: 354782

Ion Ratio Lower Upper

99 100

42 14.7 12.2 18.2

71 35.8 29.8 44.8



#10

Phenol

Concen: 3.199 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

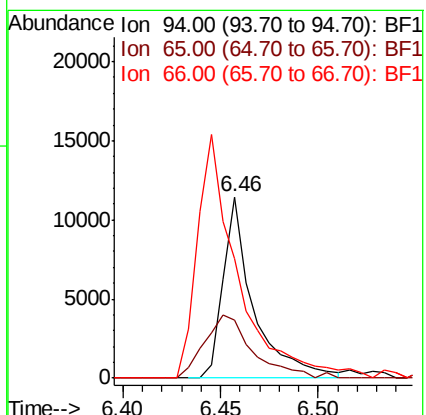
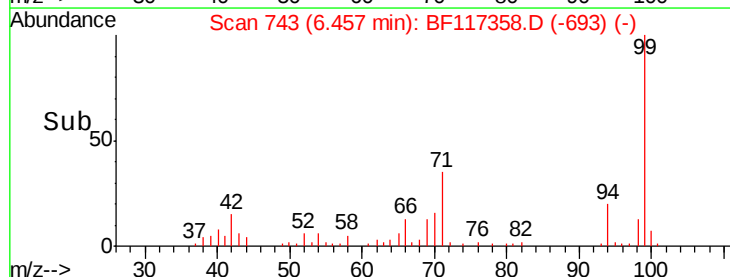
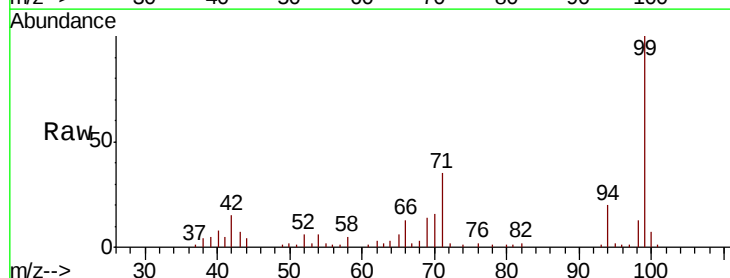
Tgt Ion: 94 Resp: 12454

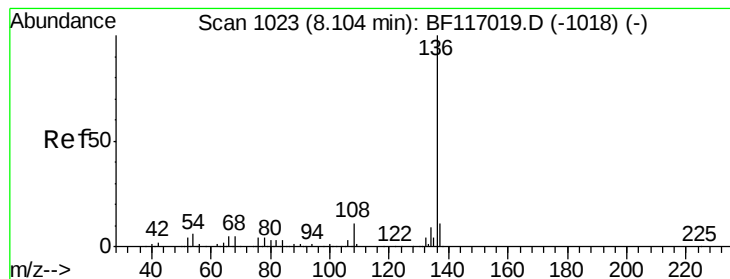
Ion Ratio Lower Upper

94 100

65 31.9 12.5 52.5

66 65.6 28.9 68.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

Tot Ion:136 Resp: 170669

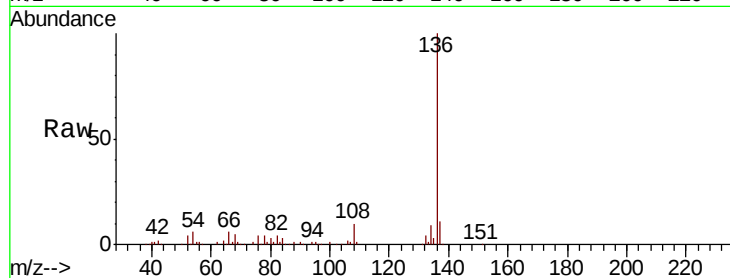
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.1 4.5 6.7

68 5.1 4.0 6.0

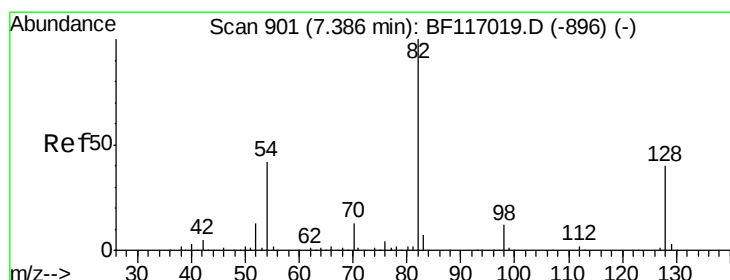
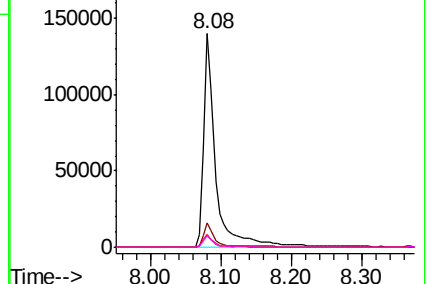
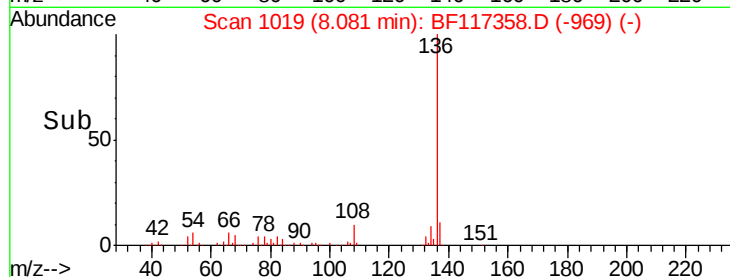


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.348 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

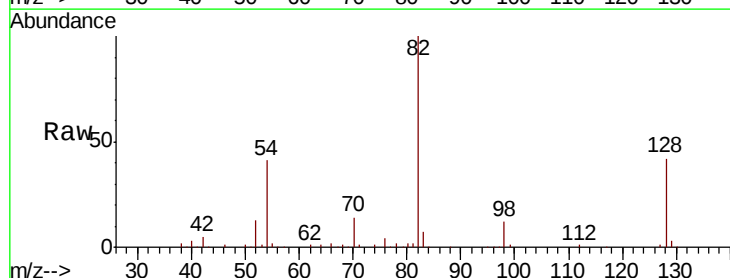
Tgt Ion: 82 Resp: 218762

Ion Ratio Lower Upper

82 100

128 41.9 32.3 48.5

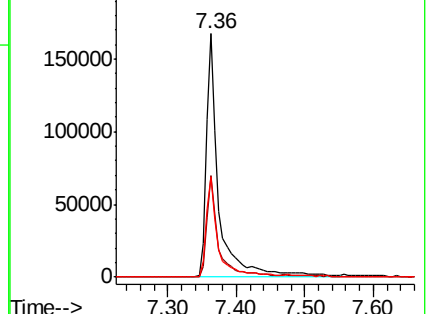
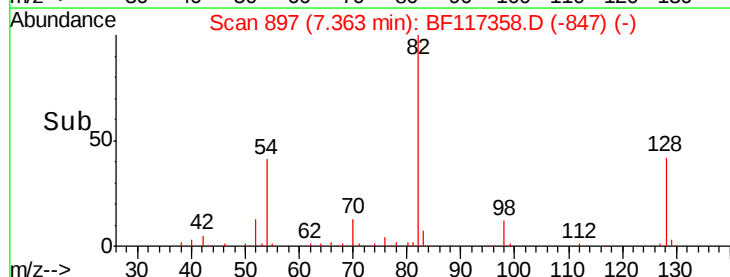
54 41.3 33.3 49.9

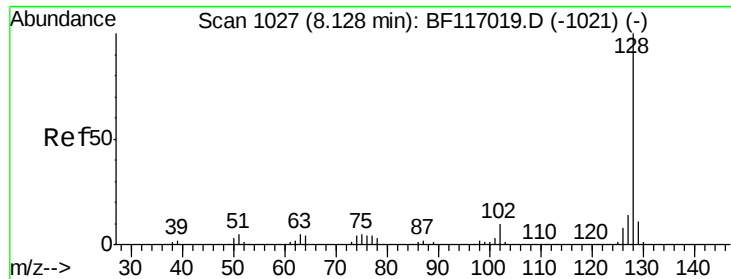


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

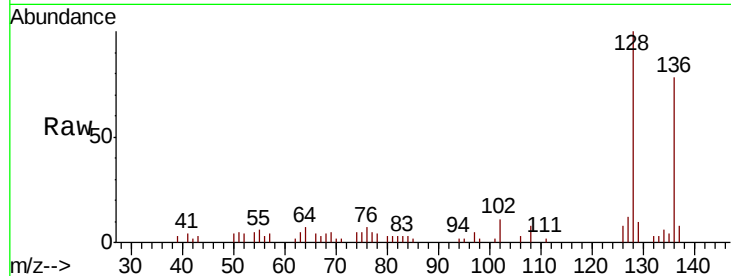




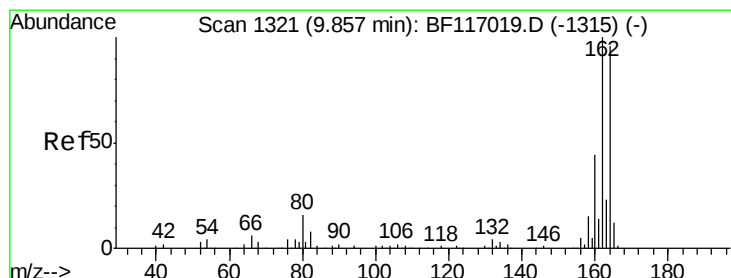
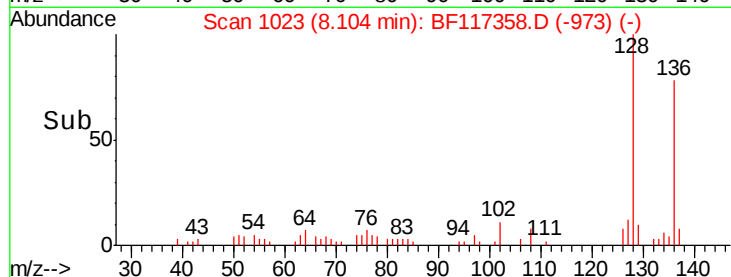
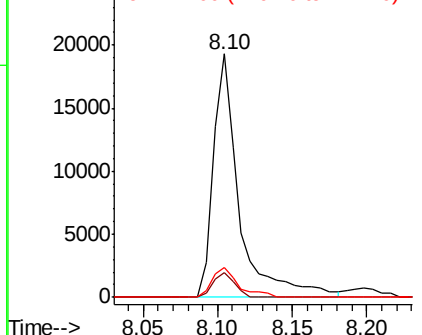
#31
Naphthalene
Concen: 2.840 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Instrument :
BNA_F
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E.OUTFALL-CREEK-SOIL-SP

Tot Ion:128 Resp: 23307
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.4
127 12.2 10.8 16.2

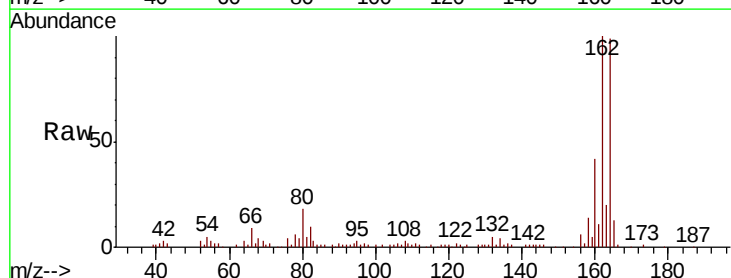


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

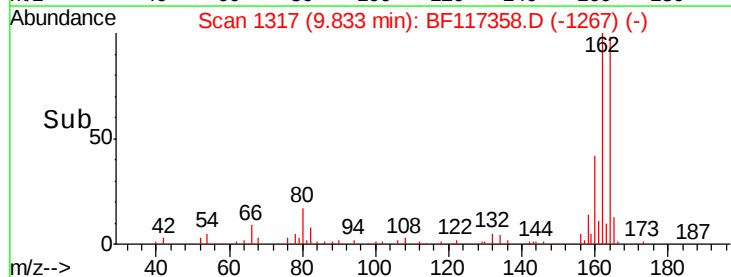
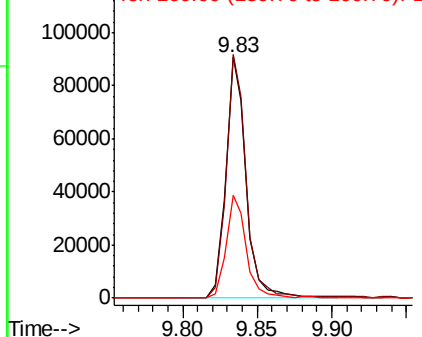


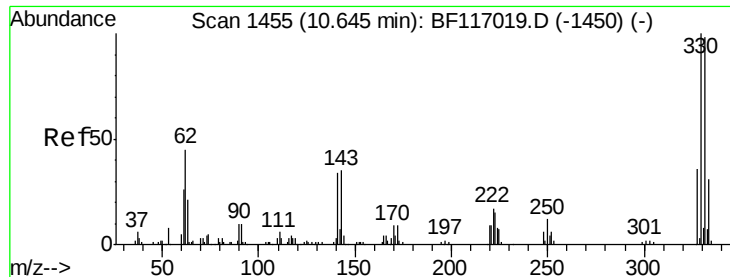
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:164 Resp: 87922
Ion Ratio Lower Upper
164 100
162 101.0 83.4 125.2
160 42.5 36.4 54.6



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

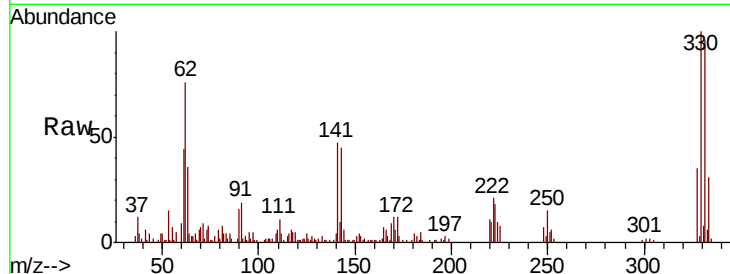




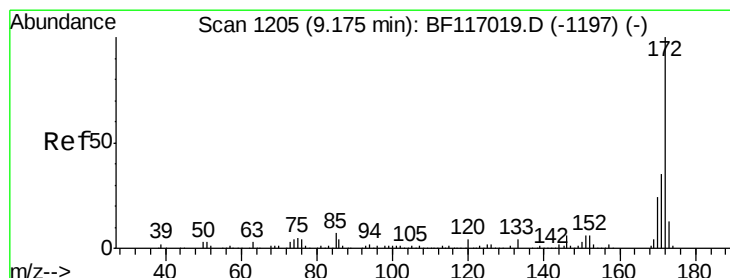
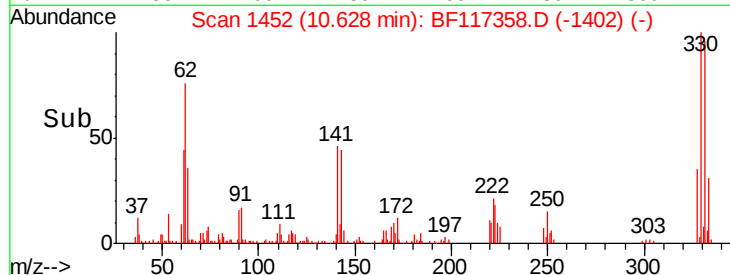
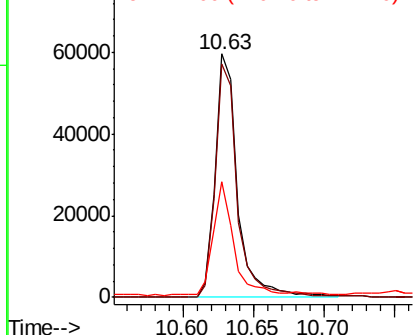
#42
 2,4,6-Tribromophenol
 Concen: 89.670 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

Tot Ion:330 Resp: 65892
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.0 117.0
 141 41.9 35.8 53.6

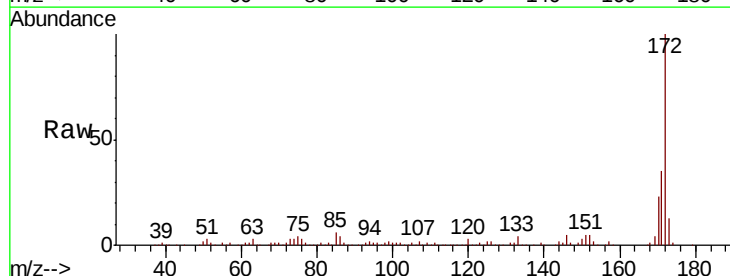


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

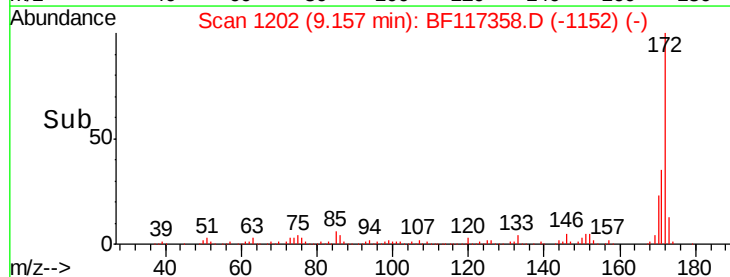
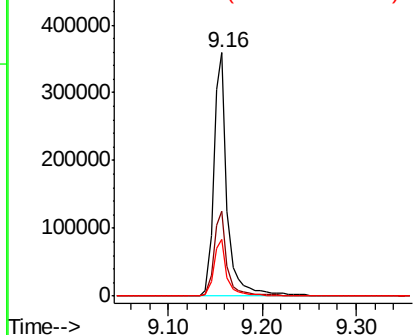


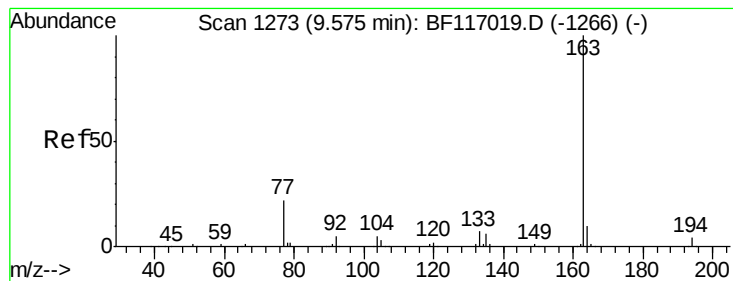
#45
 2-Fluorobiphenyl
 Concen: 64.977 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Tgt Ion:172 Resp: 365373
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.2
 170 23.1 18.9 28.3



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





#50

Dimethylphthalate

Concen: 8.385 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

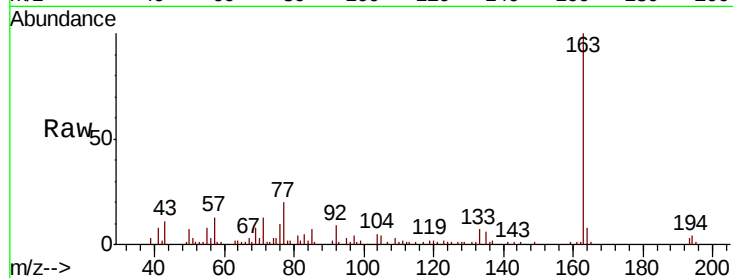
Tot Ion:163 Resp: 52197

Ion Ratio Lower Upper

163 100

194 4.2 2.9 4.3

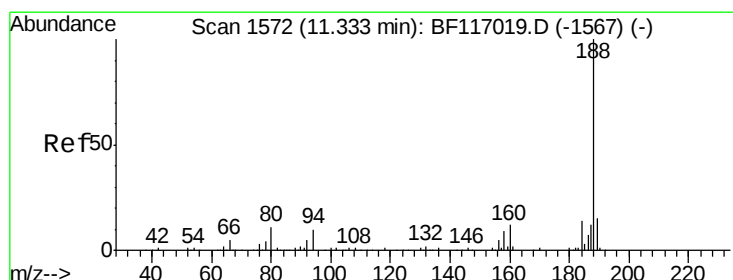
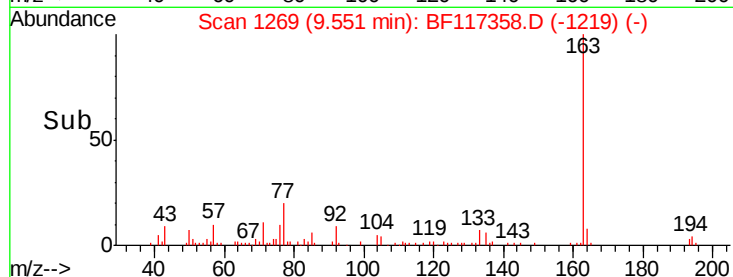
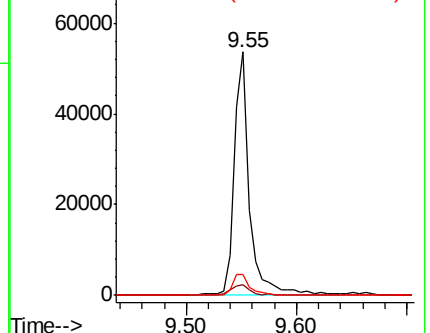
164 8.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

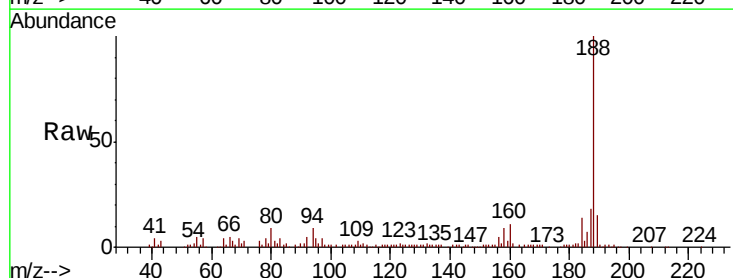
Tgt Ion:188 Resp: 126053

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

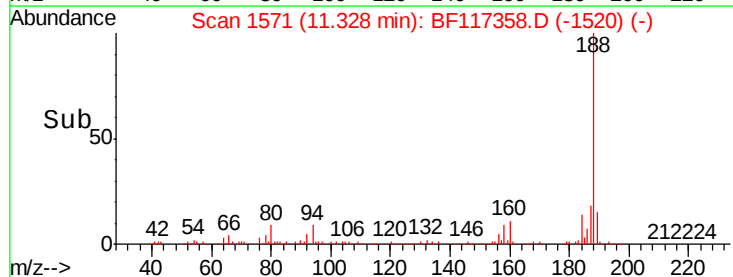
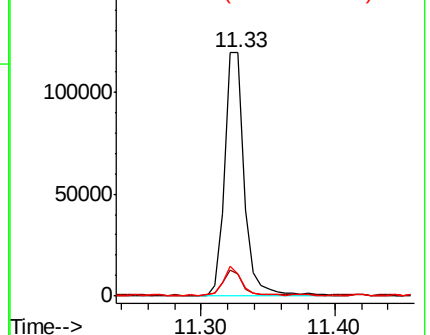
80 9.2 9.0 13.6

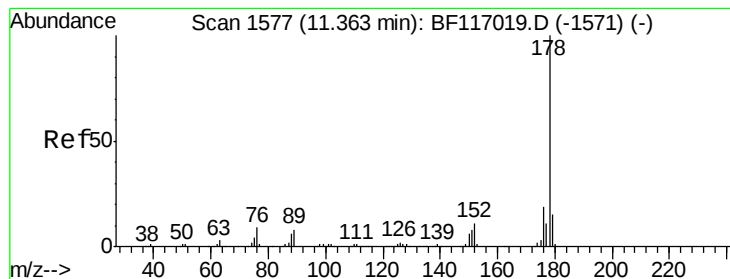


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.829 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

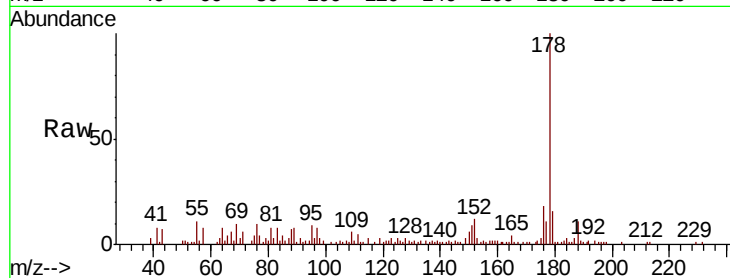
BNA_F

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

Tot Ion:178 Resp: 48896

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.0	12.4	18.6

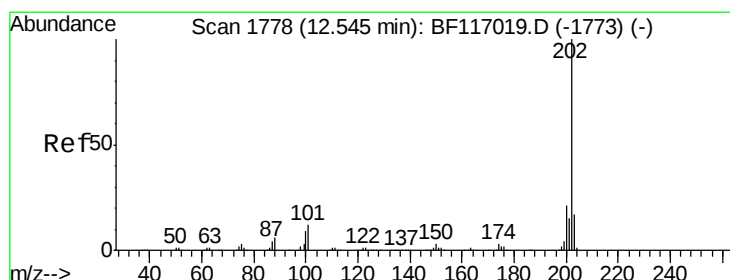
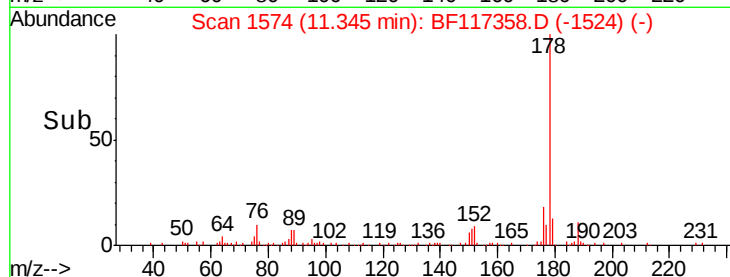
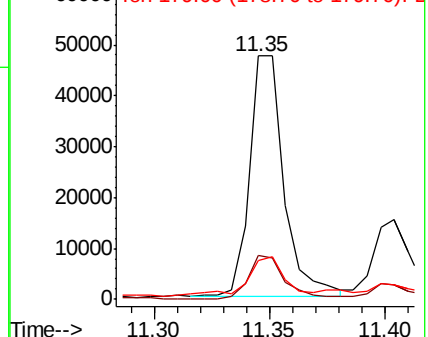


Abundance

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



#75

Fluoranthene

Concen: 10.567 ng

RT: 12.54 min Scan# 1777

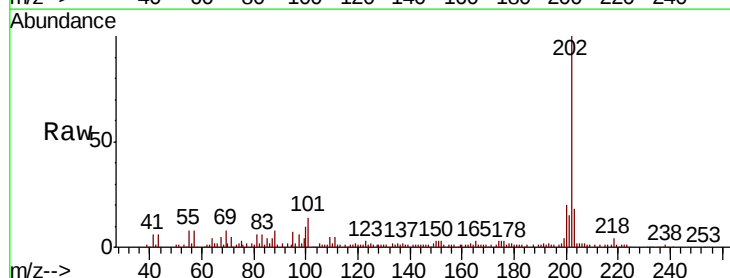
Delta R.T. 0.00 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Tgt Ion:202 Resp: 77740

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	32.3
203	17.8	0.0	37.1

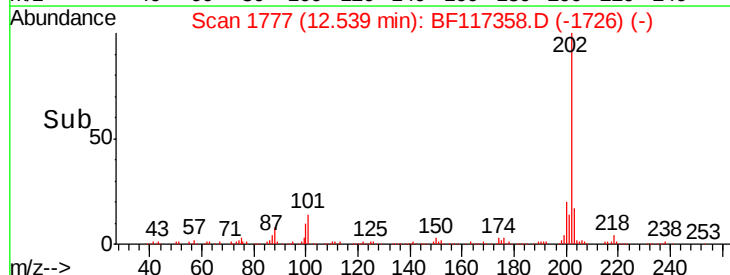
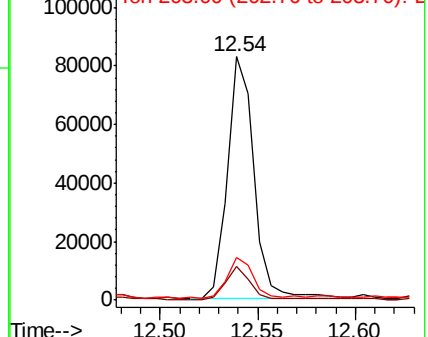


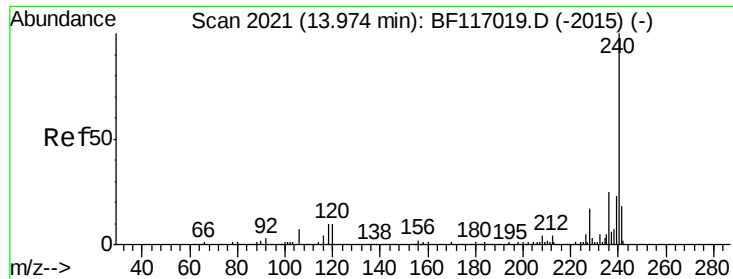
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

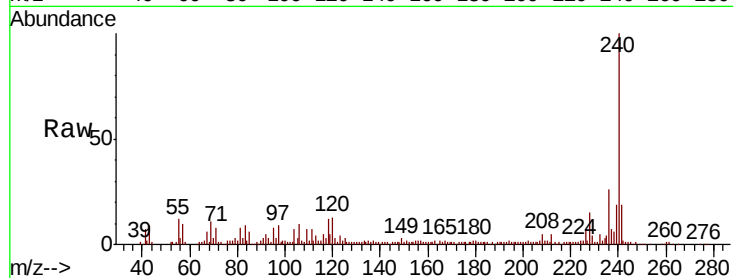




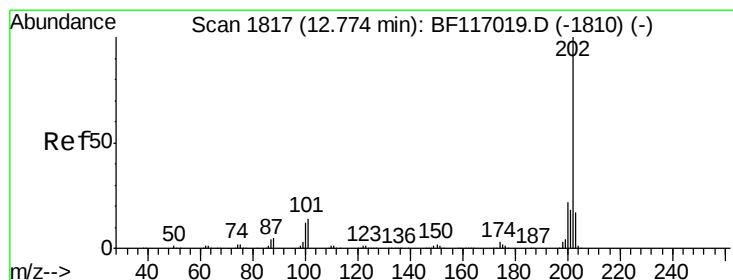
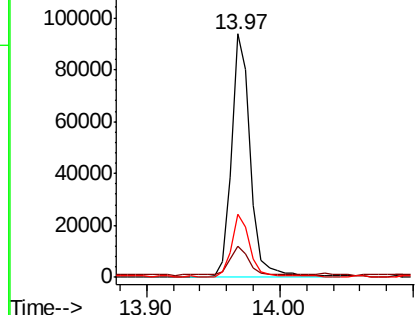
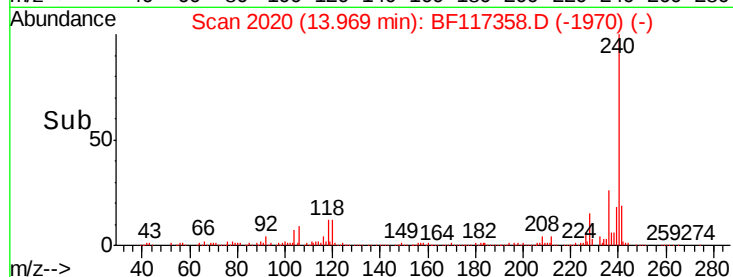
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Instrument :
BNA_F
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

Tot Ion:240 Resp: 94210
Ion Ratio Lower Upper
240 100
120 12.6 8.3 12.5#
236 25.9 20.3 30.5

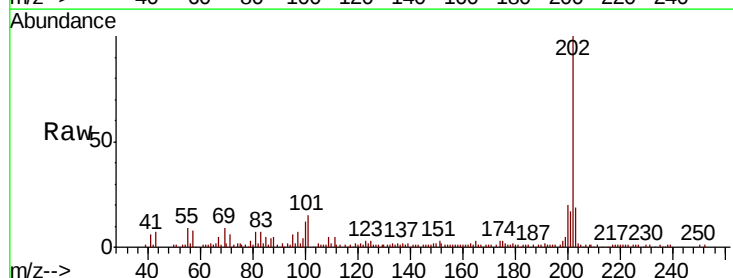


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

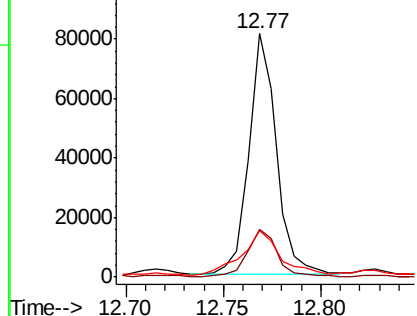
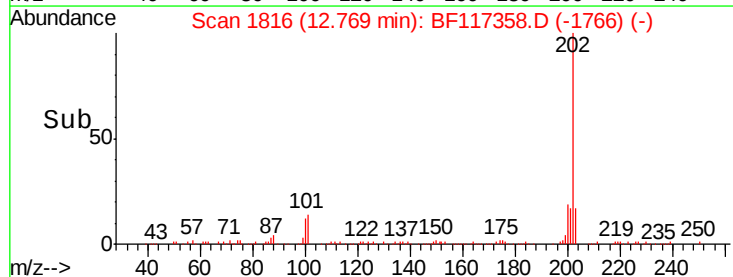


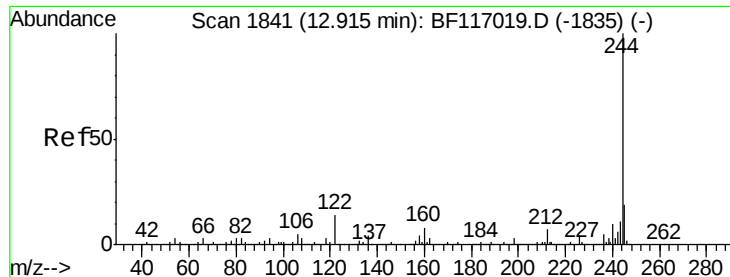
#78
Pyrene
Concen: 10.012 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:202 Resp: 79142
Ion Ratio Lower Upper
202 100
200 19.6 17.2 25.8
203 18.9 14.0 21.0



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: 54.625 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

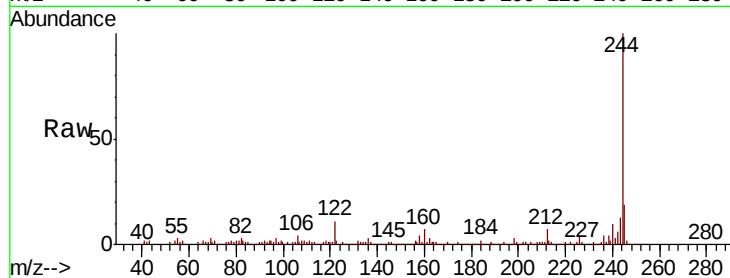
Tot Ion:244 Resp: 275312

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

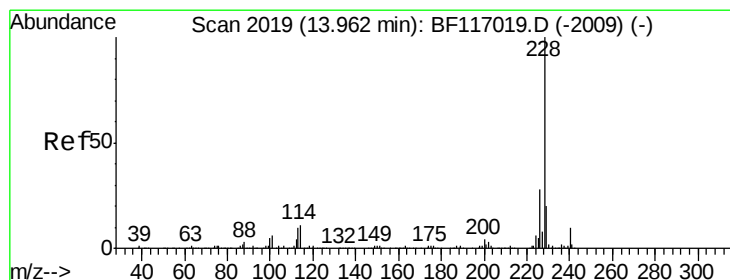
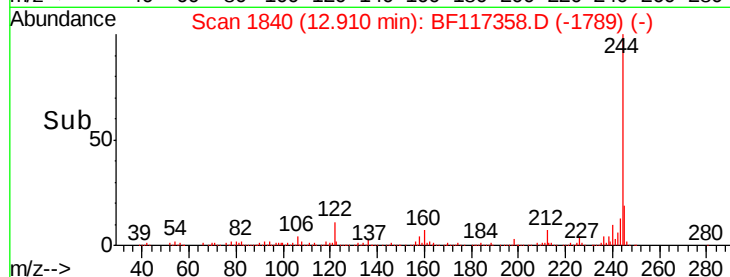
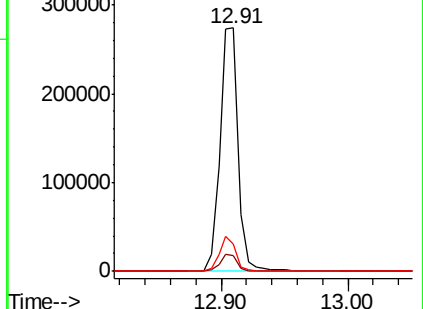
122 11.2 11.3 16.9#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.271 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

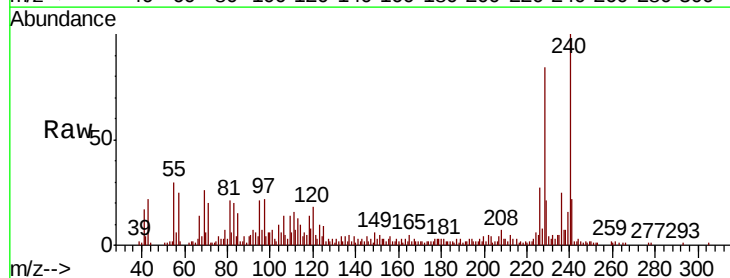
Tgt Ion:228 Resp: 33180

Ion Ratio Lower Upper

228 100

226 32.3 22.3 33.5

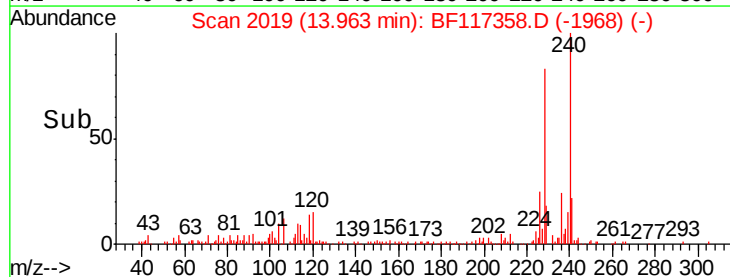
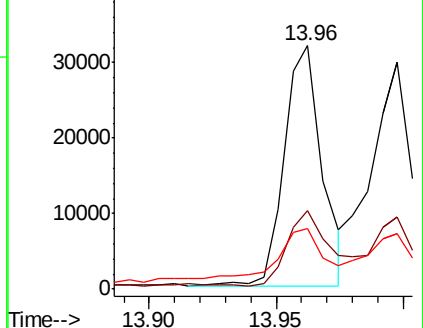
229 24.9 15.9 23.9#

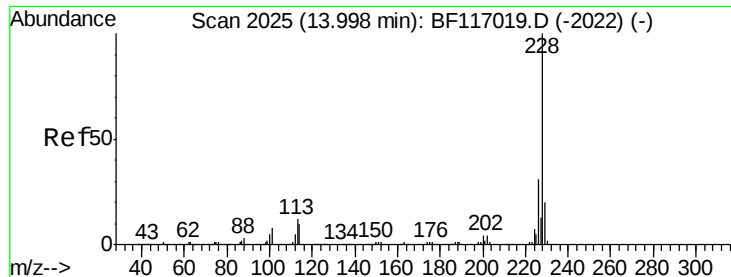


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

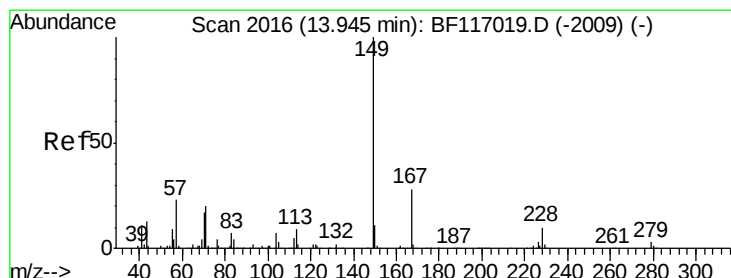
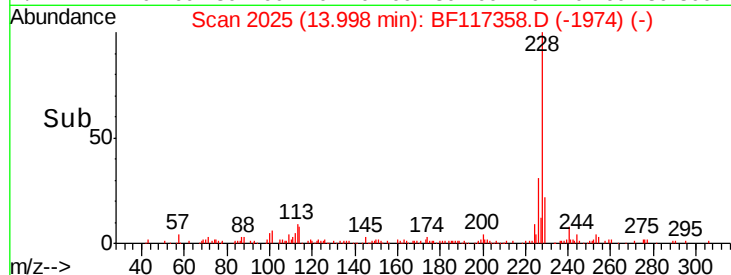
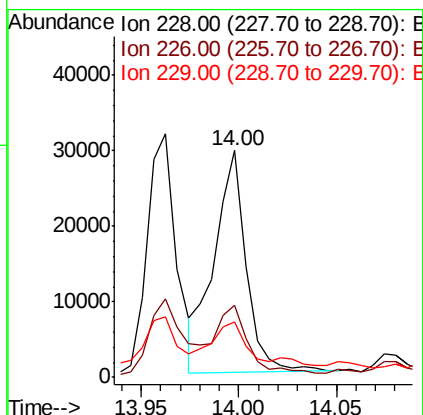
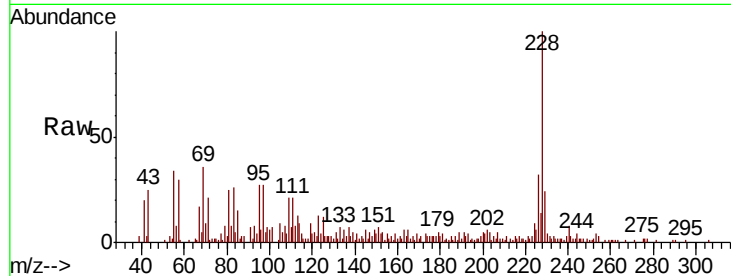




#83
Chrysene
Concen: 5.460 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

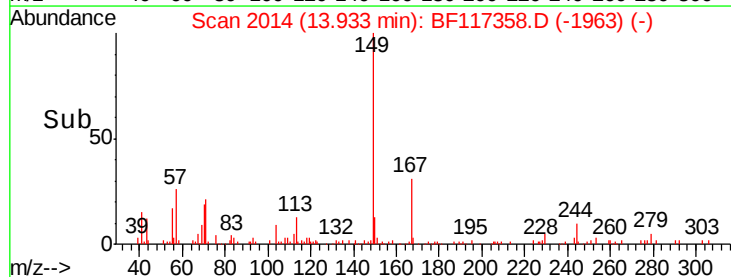
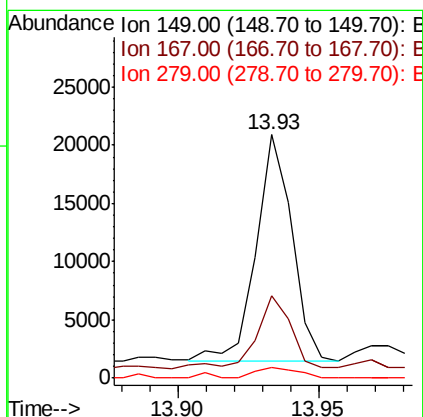
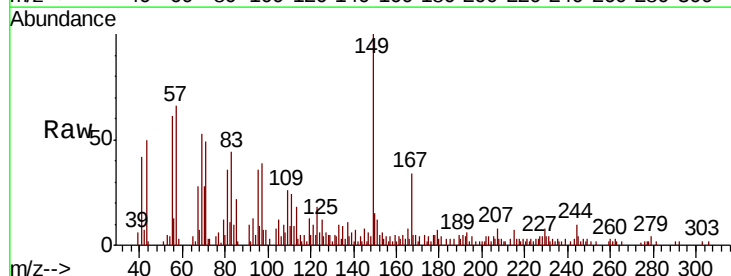
Instrument :
BNA_F
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

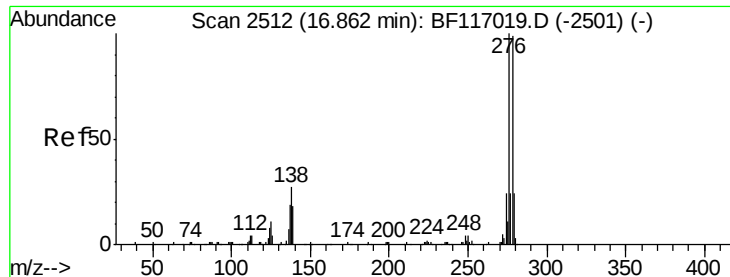
Tot Ion:228 Resp: 33518
Ion Ratio Lower Upper
228 100
226 32.0 24.8 37.2
229 24.4 15.8 23.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.558 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:149 Resp: 17134
Ion Ratio Lower Upper
149 100
167 33.6 22.2 33.2#
279 4.3 2.8 4.2#

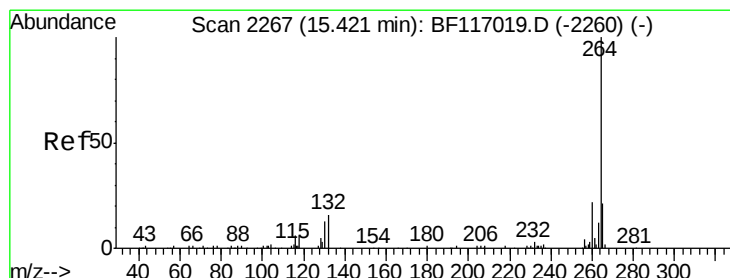
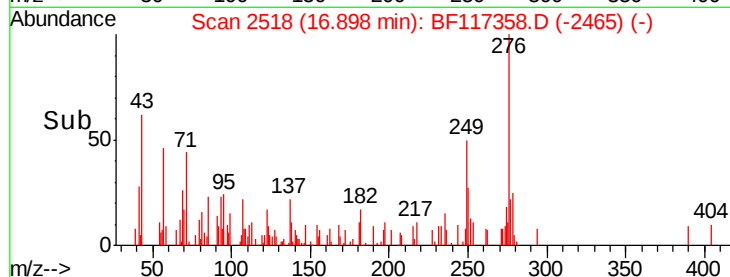
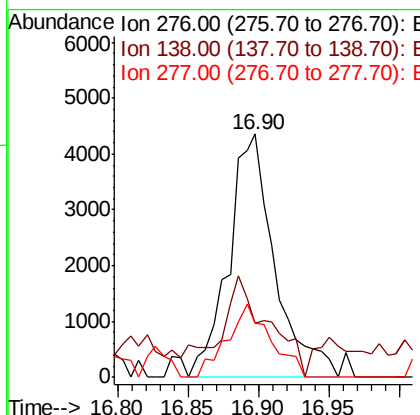
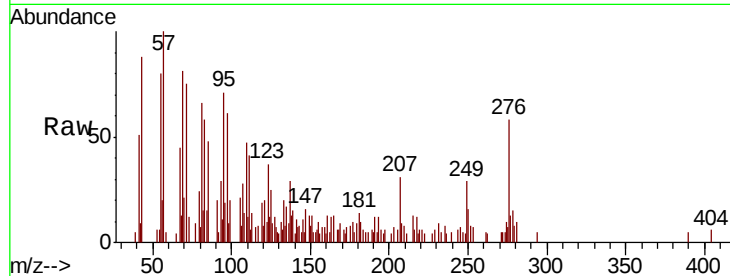




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.222 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

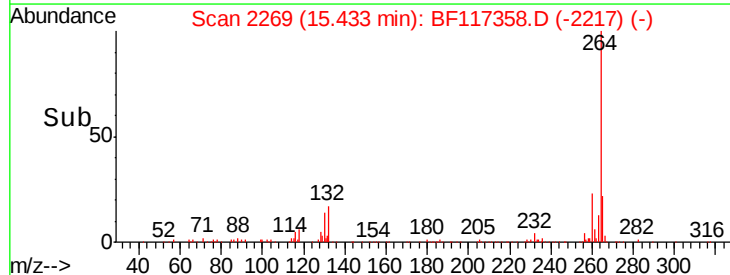
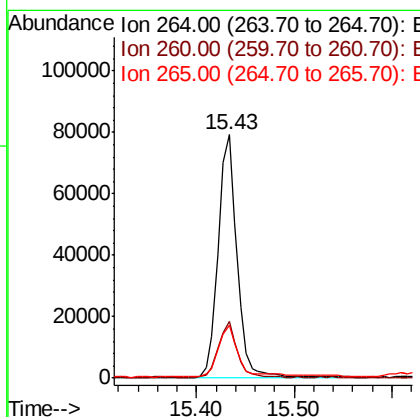
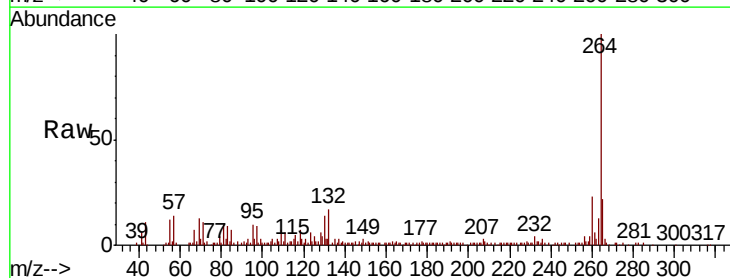
Instrument :
 BNA_F
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

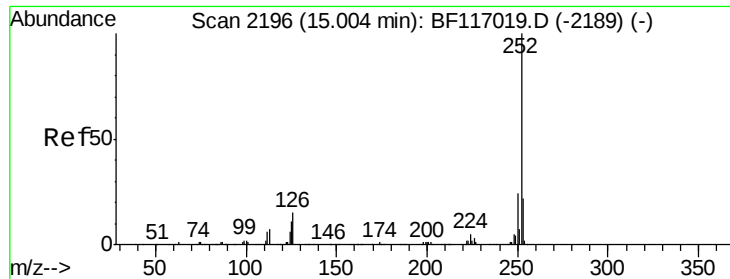
Tot Ion:276 Resp: 9951
 Ion Ratio Lower Upper
 276 100
 138 44.3 20.7 31.1#
 277 28.5 19.8 29.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Tgt Ion:264 Resp: 107770
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.6 26.4
 265 22.0 16.6 24.8

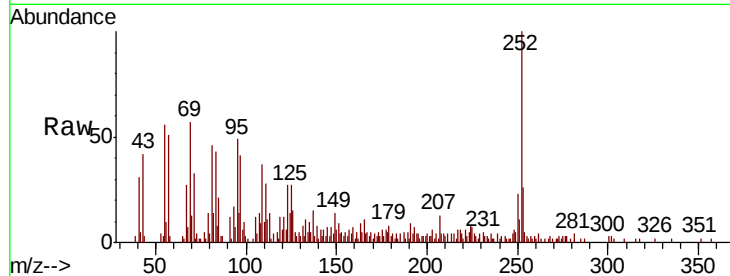




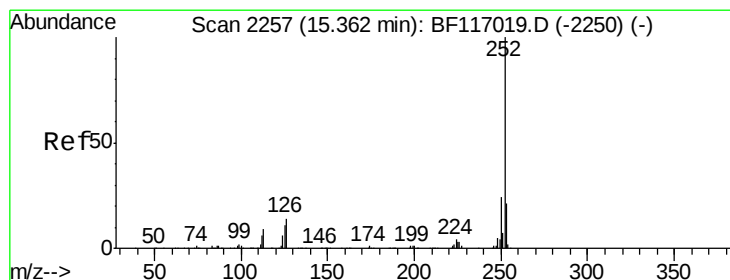
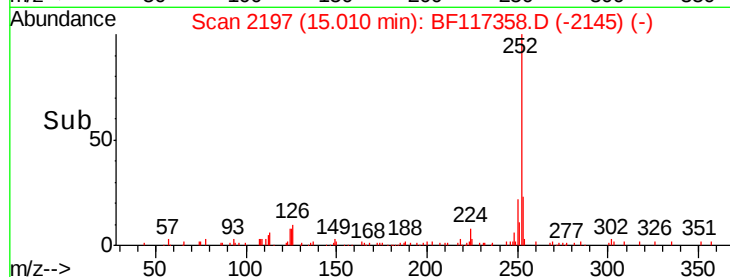
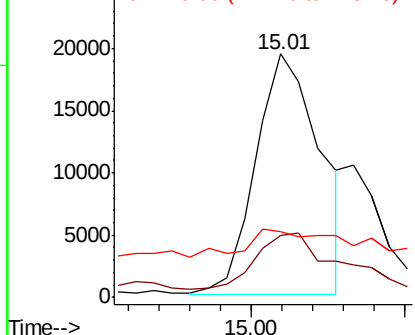
#88
Benzo(b)fluoranthene
Concen: 4.340 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Instrument :
BNA_F
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

Tot Ion:252 Resp: 28333
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 26.9 8.6 12.8#

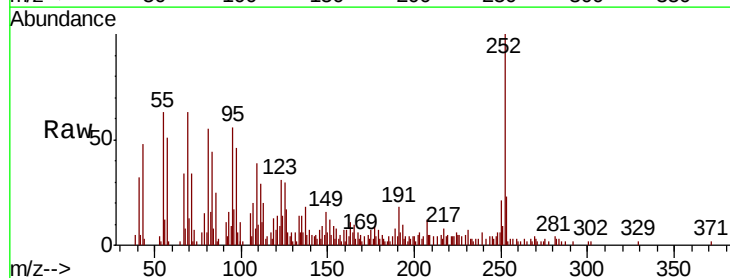


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

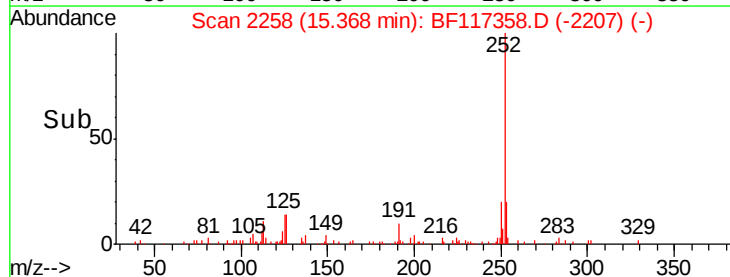
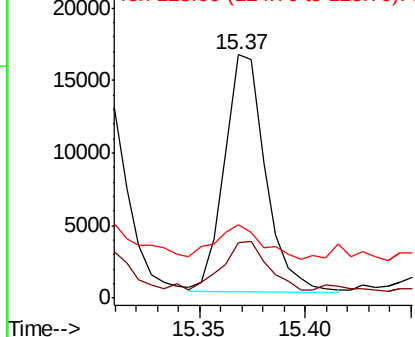


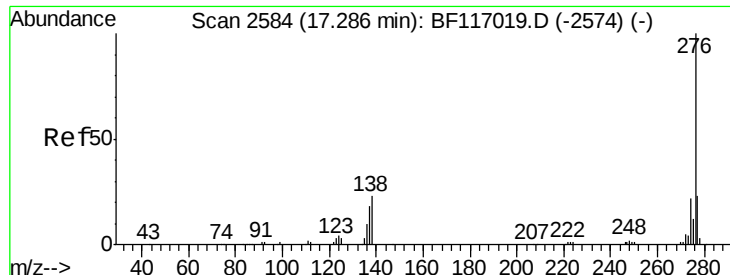
#90
Benzo(a)pyrene
Concen: 3.824 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:252 Resp: 21906
Ion Ratio Lower Upper
252 100
253 22.9 16.6 25.0
125 30.0 8.9 13.3#



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





#92

Benzo(a,h,i)perylene

Concen: 2.094 ng

RT: 17.33 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BF117358.D

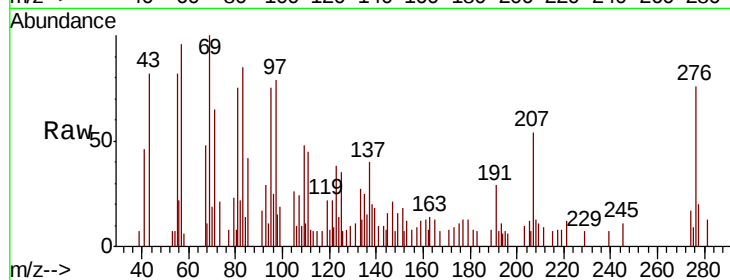
Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP



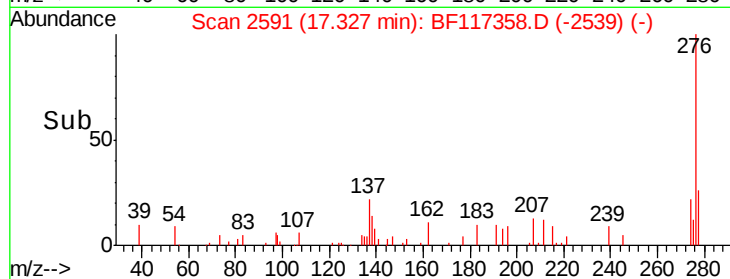
Tot Ion:276 Resp: 9522

Ion Ratio Lower Upper

276 100

277 25.9 18.6 27.8

138 26.5 18.0 27.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

