

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111724.D
 Acq On : 26 Dec 2018 20:09
 Operator : JU/SJ
 Sample : J6493-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUM

Quant Time: Dec 27 02:18:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	225777	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	806333	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	354366	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	556742	20.00	ng	0.00
76) Chrysene-d12	14.06	240	526220	20.00	ng	0.00
87) Perylene-d12	15.54	264	426637	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1263683	95.40	ng	0.02
7) Phenol-d6	6.54	99	1611185	95.58	ng	0.02
23) Nitrobenzene-d5	7.46	82	1025089	74.00	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	374133	89.35	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1728390	71.09	ng	0.00
79) Terphenyl-d14	13.00	244	1408794	50.77	ng	0.00

Target Compounds

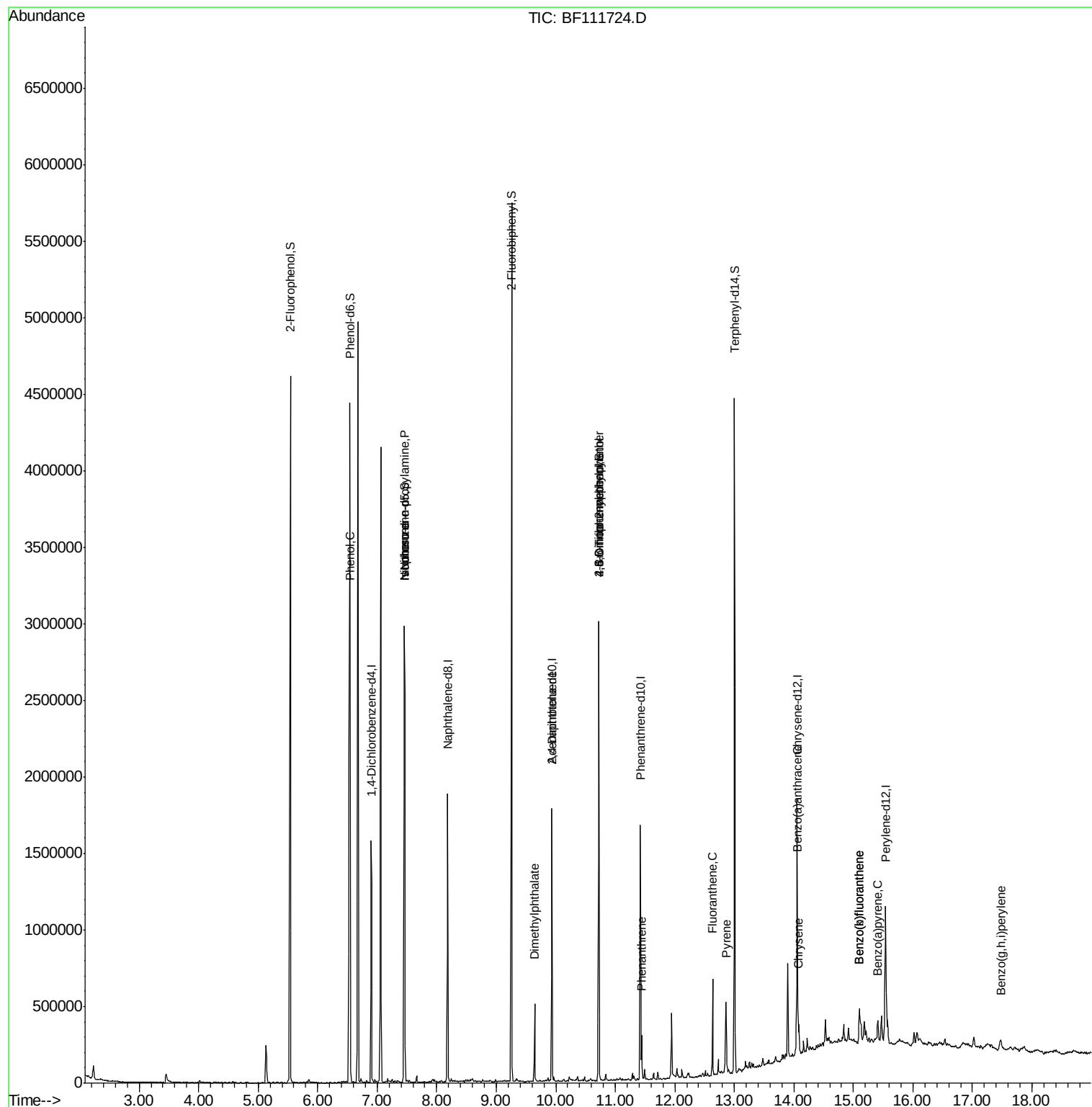
						Qvalue
10) Phenol	6.55	94	89905	4.727	ng	97
19) n-Nitroso-di-n-propylamine	7.46	70	142670	12.744	ng	# 77
25) Isophorone	7.46	82	1022630	41.583	ng	# 64
50) Dimethylphthalate	9.65	163	197159	7.608	ng	96
57) 2,4-Dinitrotoluene	9.93	165	45999	7.407	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.72	198	709	6.958	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	23364	3.383	ng	# 1
71) Phenanthrene	11.45	178	106382	3.603	ng	93
75) Fluoranthene	12.63	202	225070	7.528	ng	94
78) Pyrene	12.86	202	198319	5.337	ng	95
81) Benzo(a)anthracene	14.04	228	107007	3.563	ng	99
83) Chrysene	14.08	228	101013	3.422	ng	97
88) Benzo(b)fluoranthene	15.10	252	174216	6.987	ng	# 96
89) Benzo(k)fluoranthene	15.10	252	174216	7.339	ng	96
90) Benzo(a)pyrene	15.41	252	58552	2.585	ng	97
92) Benzo(g,h,i)perylene	17.47	276	47438	2.449	ng	# 86

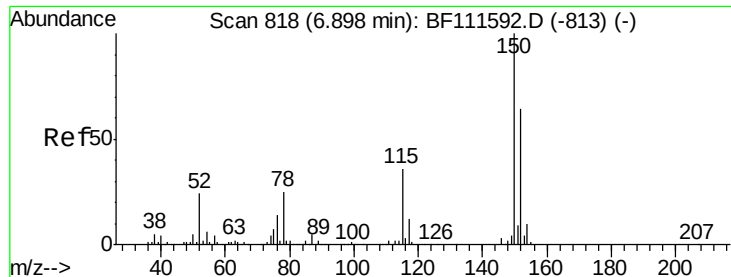
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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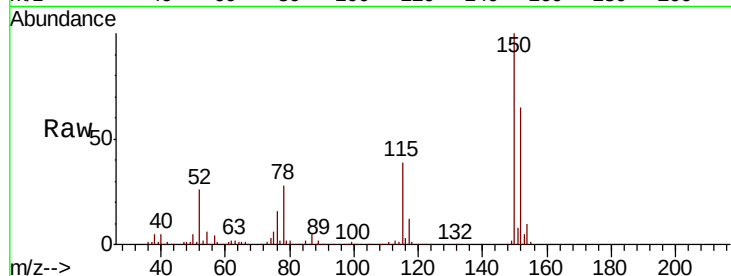


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.6	189.8
115	60.3	50.7	76.1

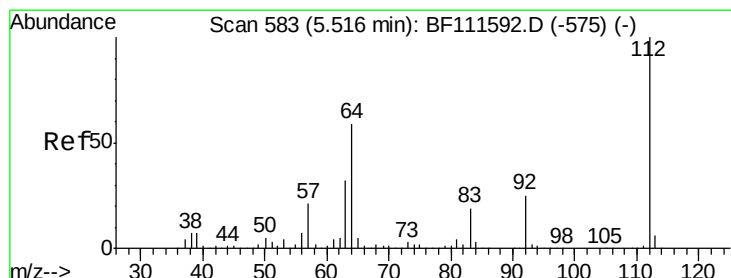
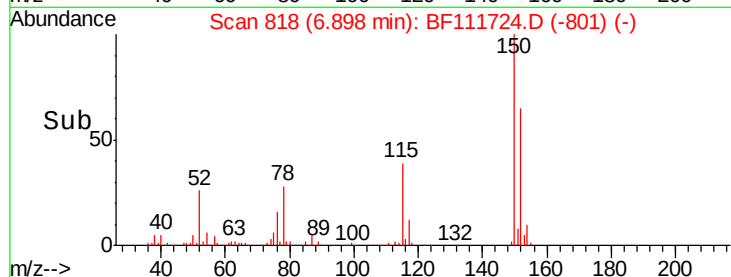
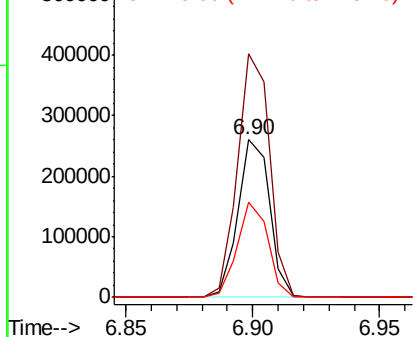


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

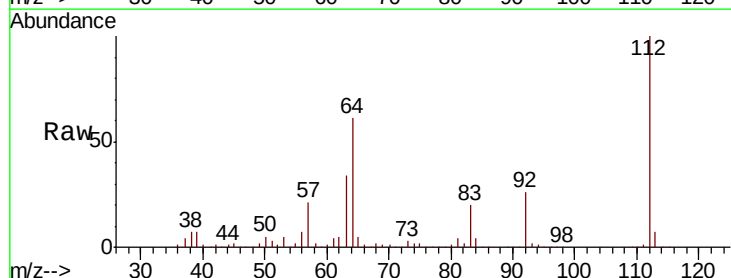
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.403 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.8	77.6
63	34.2	26.8	40.2

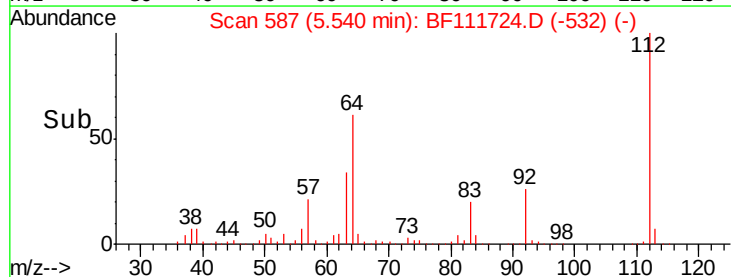
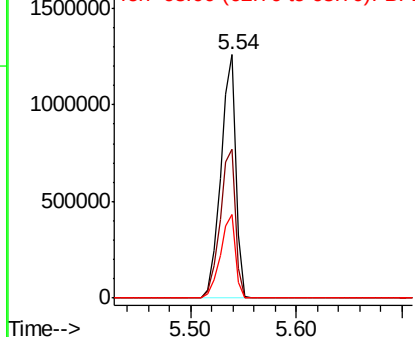


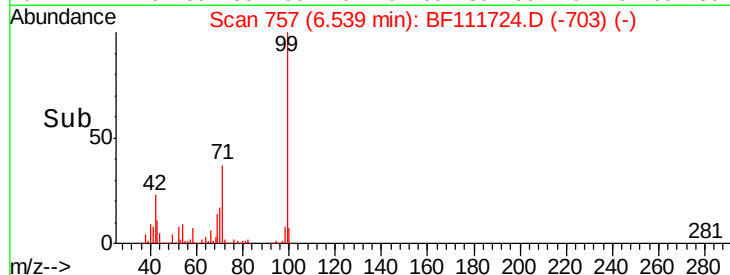
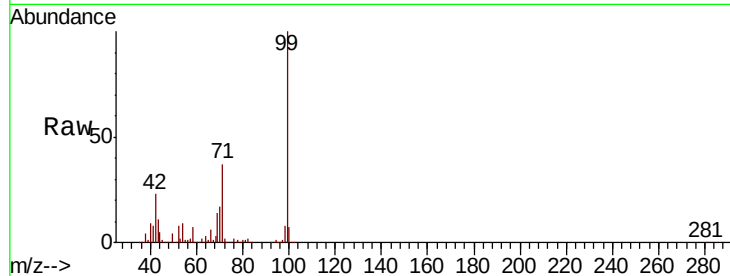
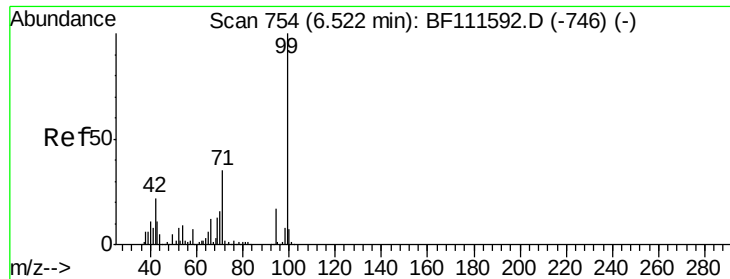
Abundance

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: 95.579 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUM

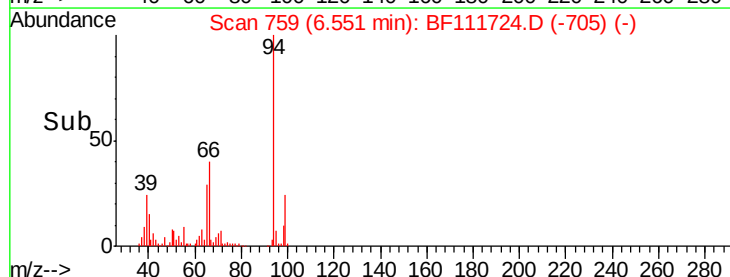
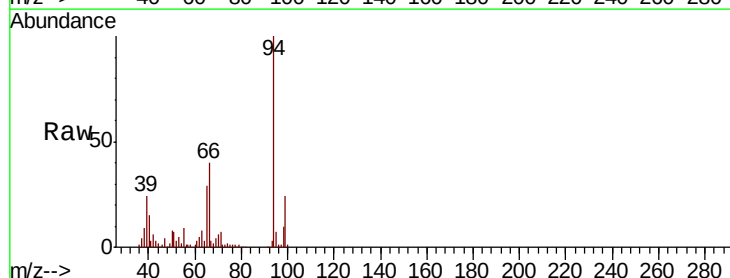
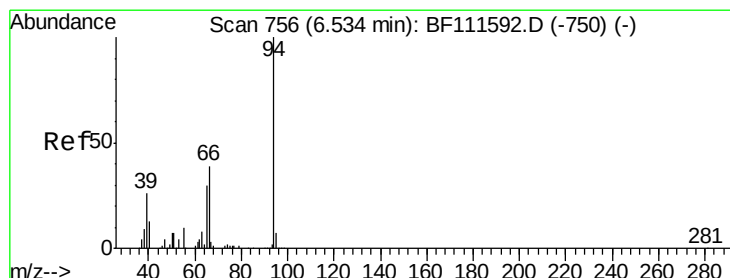
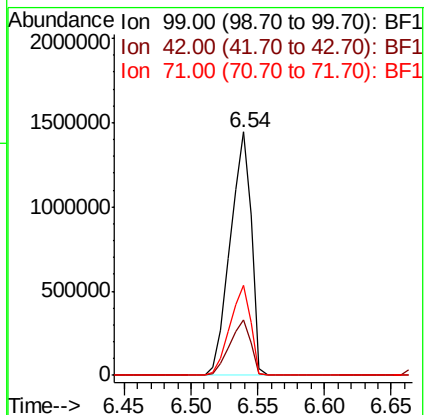
Tot Ion: 99 Resp: 1611185

Ion Ratio Lower Upper

99 100

42 22.9 17.4 26.0

71 37.1 26.1 39.1



#10

Phenol

Concen: 4.727 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

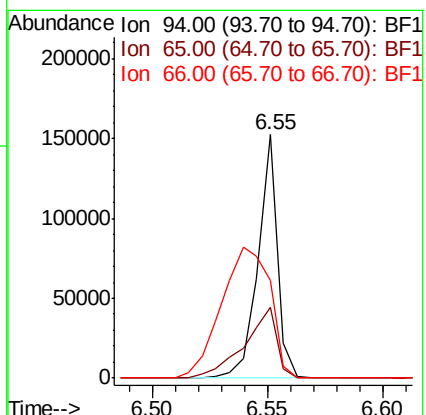
Tgt Ion: 94 Resp: 89905

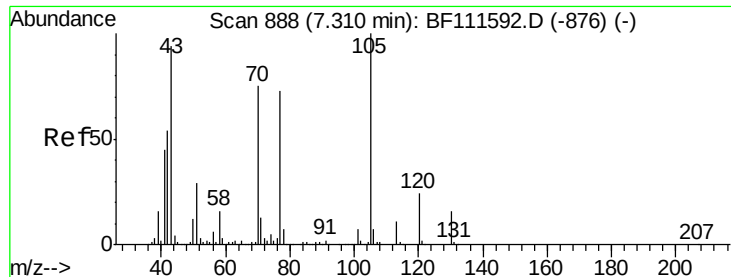
Ion Ratio Lower Upper

94 100

65 29.3 11.7 51.7

66 39.9 21.0 61.0

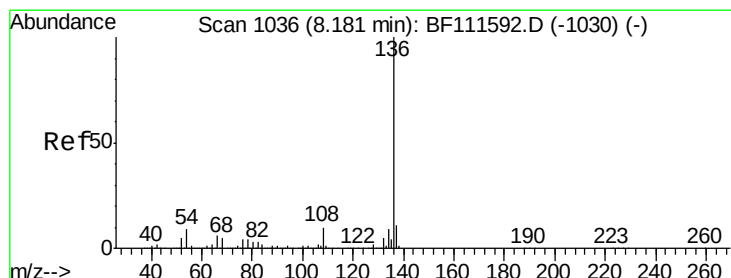
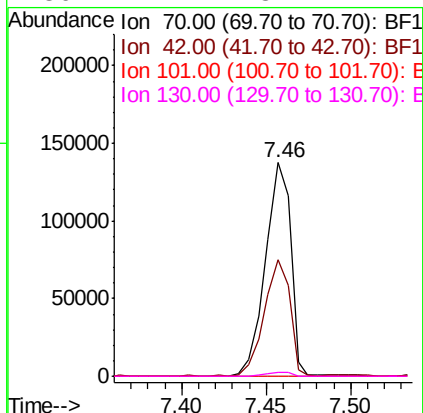
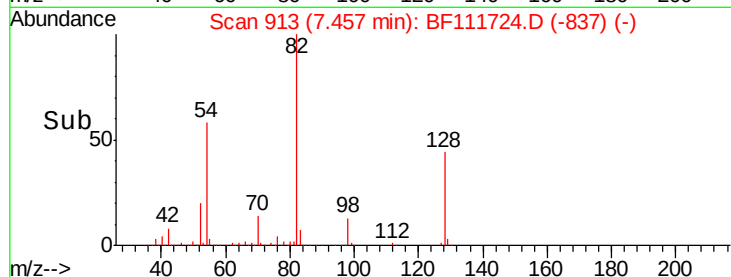
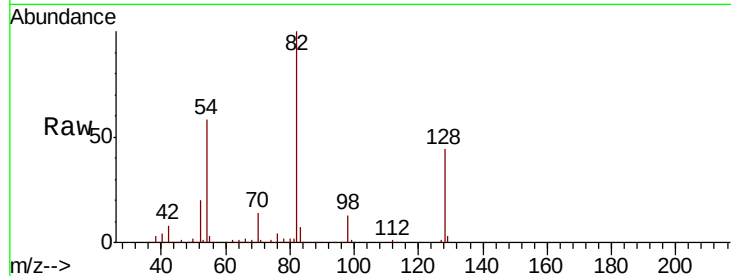




#19
n-Nitroso-di-n-propylamine
Concen: 12.744 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

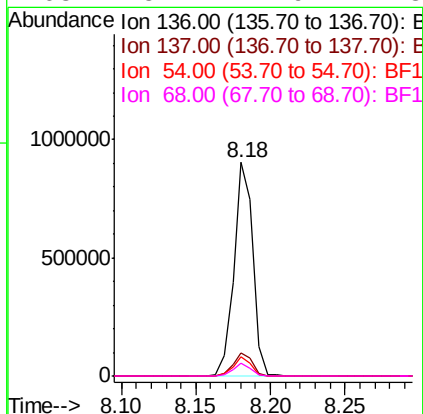
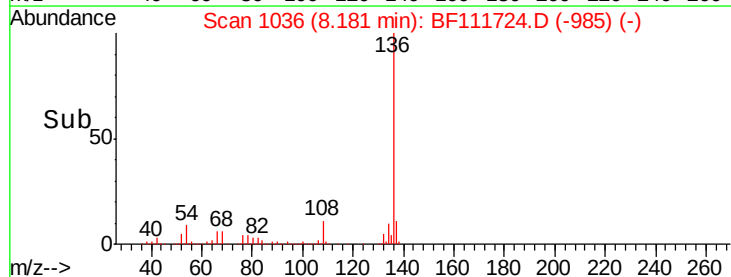
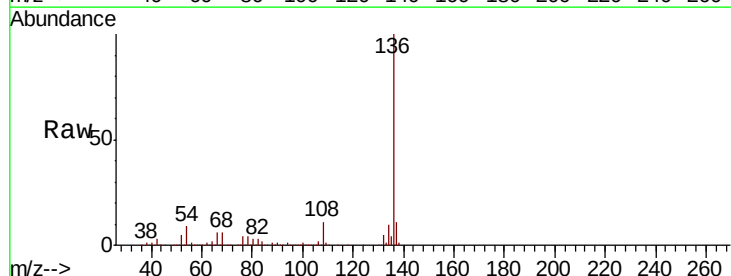
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

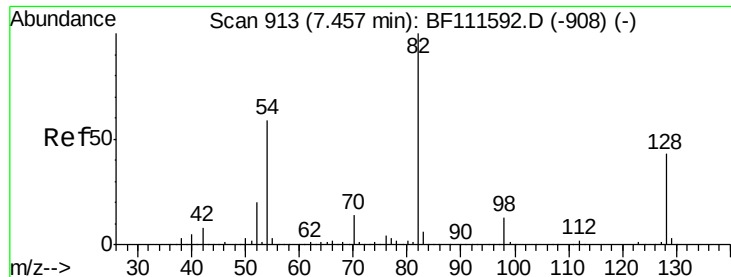
Tot Ion: 70 Resp: 142670
Ion Ratio Lower Upper
70 100
42 54.5 53.2 79.8
101 0.0 8.2 12.4#
130 2.1 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion:136 Resp: 806333
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 9.0 7.7 11.5
68 5.7 4.9 7.3

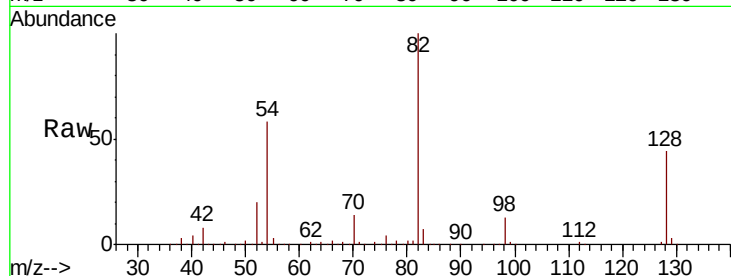




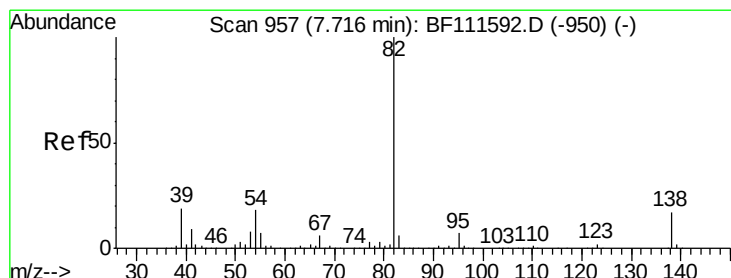
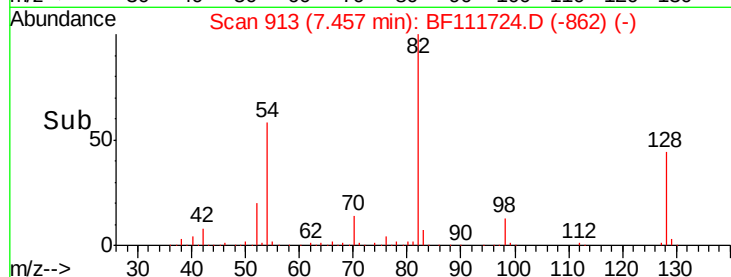
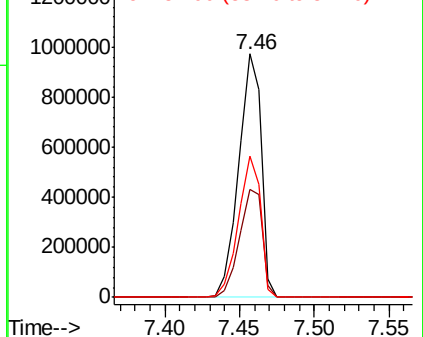
#23
Nitrobenzene-d5
Concen: 73.999 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion: 82 Resp: 1025089
Ion Ratio Lower Upper
82 100
128 44.1 37.4 56.2
54 58.2 47.6 71.4

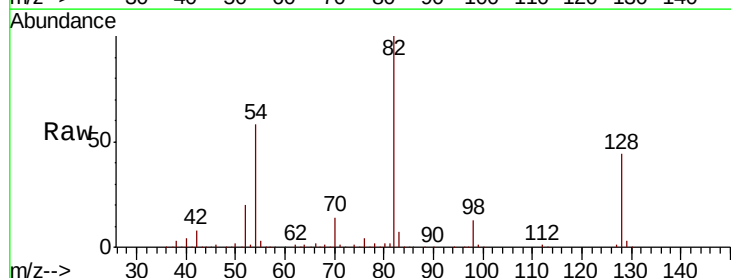


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

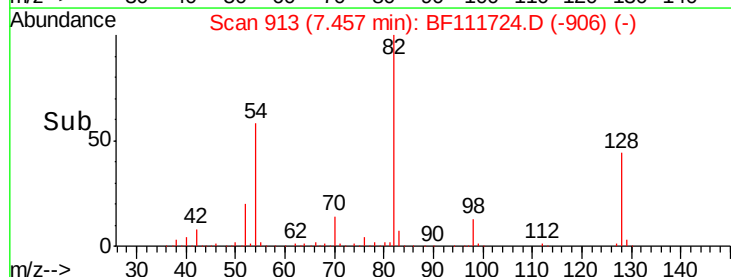
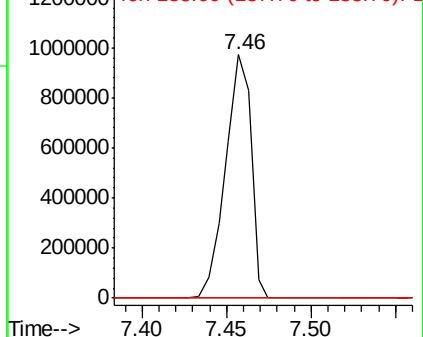


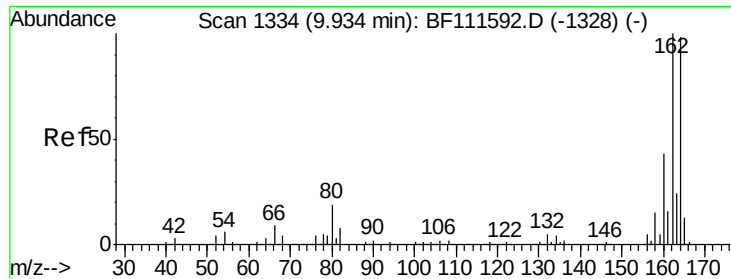
#25
Isophorone
Concen: 41.583 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion: 82 Resp: 1022630
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUM

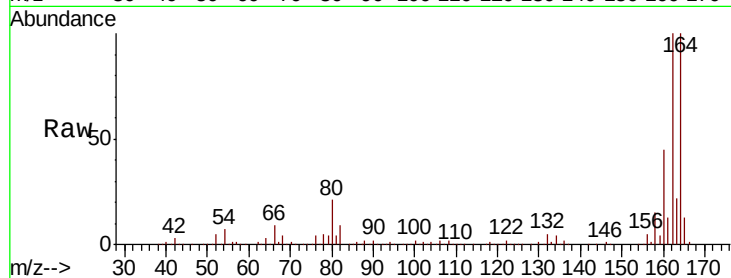
Tot Ion:164 Resp: 354366

Ion Ratio Lower Upper

164 100

162 99.8 81.4 122.0

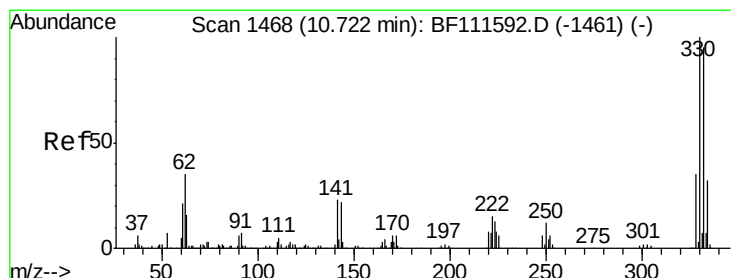
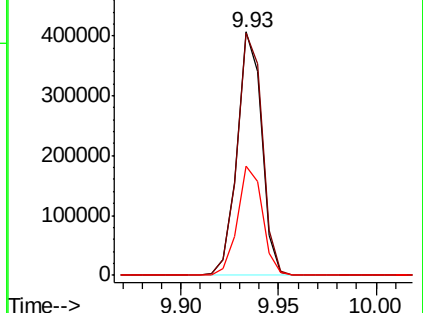
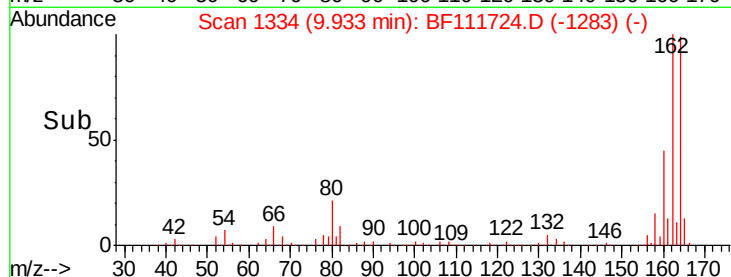
160 45.1 35.7 53.5



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: 89.354 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

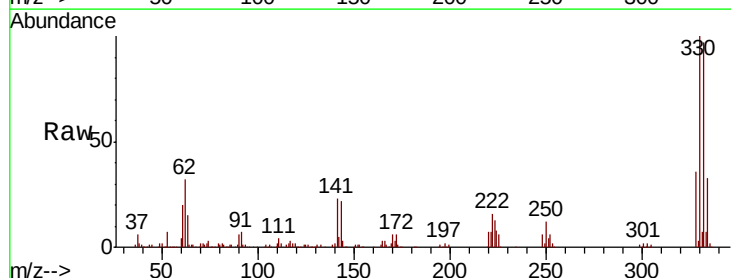
Tgt Ion:330 Resp: 374133

Ion Ratio Lower Upper

330 100

332 97.3 76.0 114.0

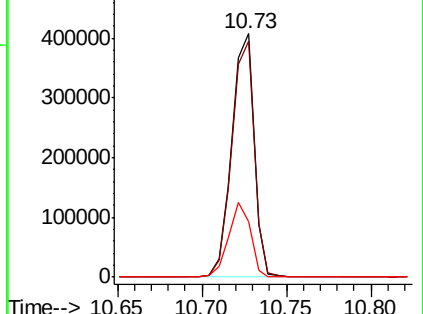
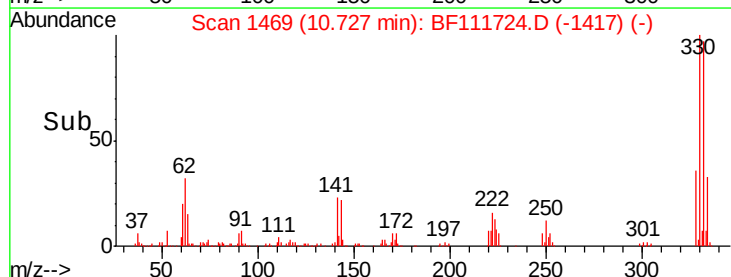
141 30.1 31.0 46.6#

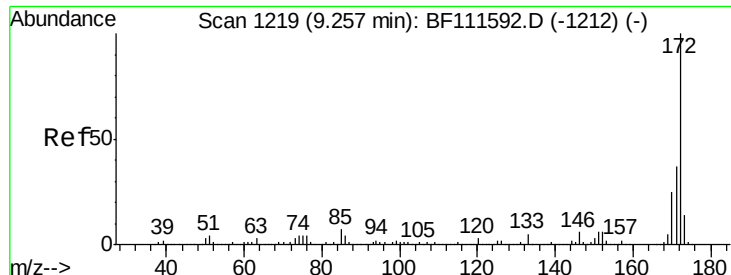


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

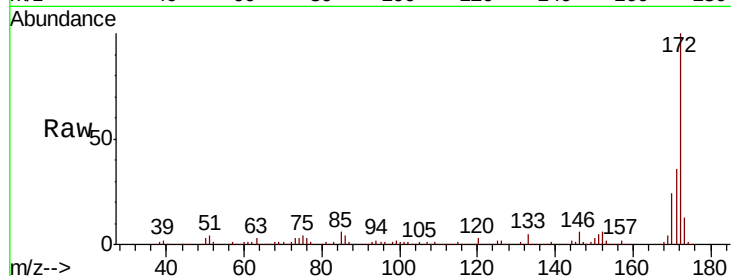




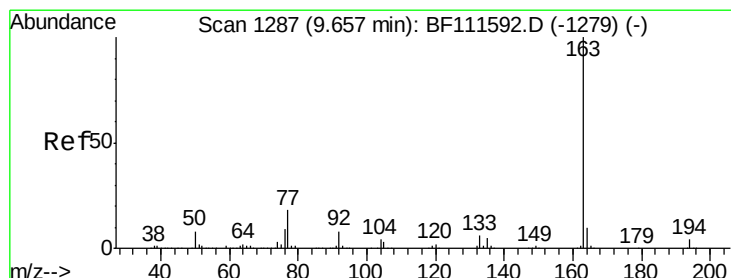
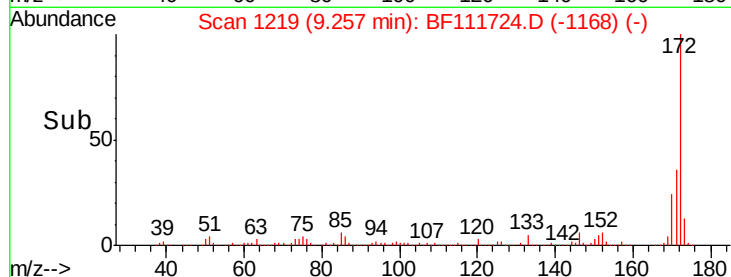
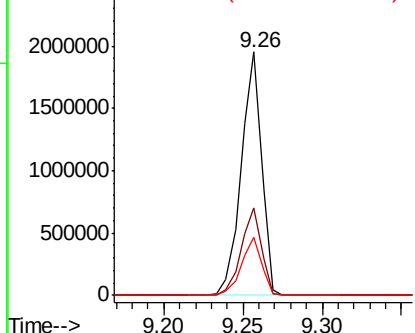
#45
2-Fluorobiphenyl
Concen: 71.092 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion:172 Resp: 1728390
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 23.9 22.3 33.5

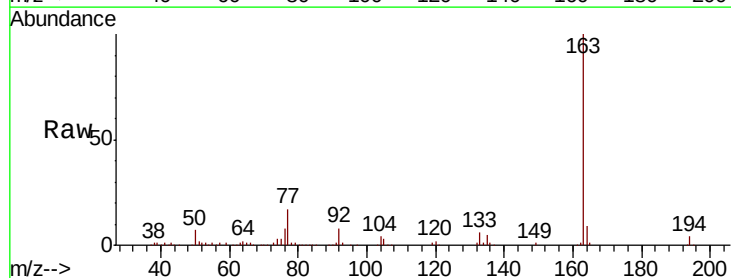


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

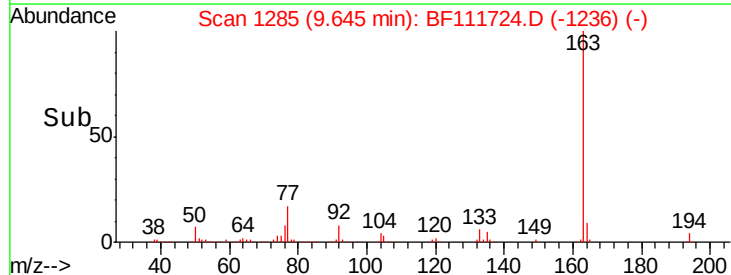
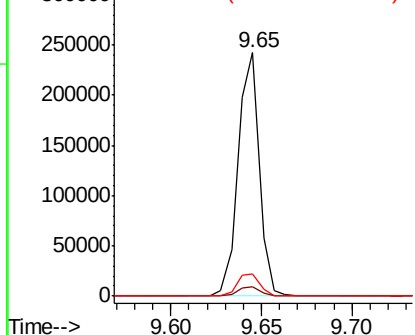


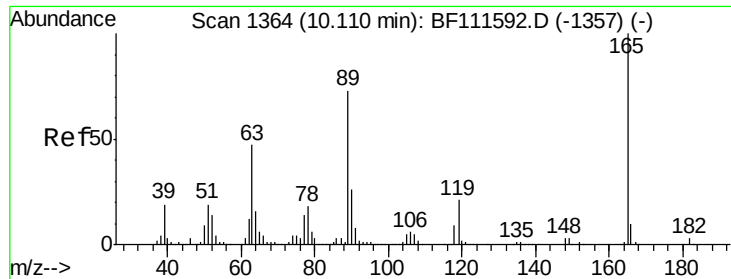
#50
Dimethylphthalate
Concen: 7.608 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion:163 Resp: 197159
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.2 8.9 13.3



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

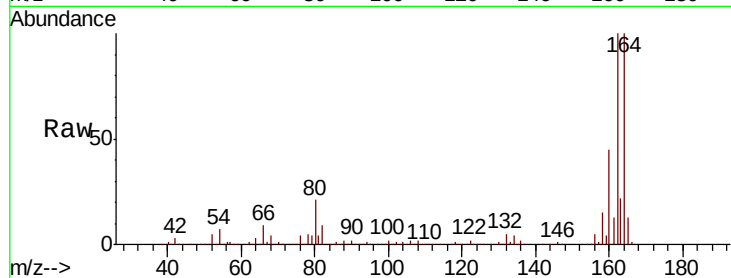




#57
 2,4-Dinitrotoluene
 Concen: 7.407 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111724.D
 Acq: 26 Dec 2018 20:09

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUM

Tot Ion:165	Resp:	45999
Ion Ratio	Lower	Upper
165	100	
63	1.2	34.6 52.0#
89	1.4	56.2 84.4#
182	0.0	1.8 2.6#

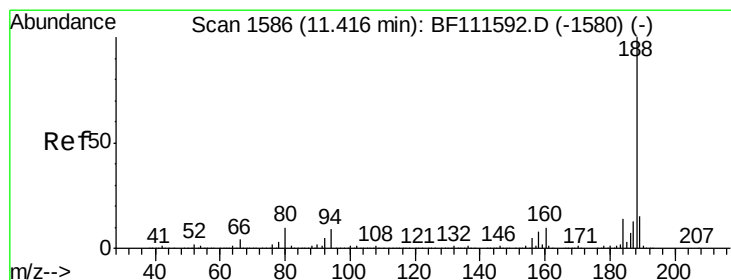
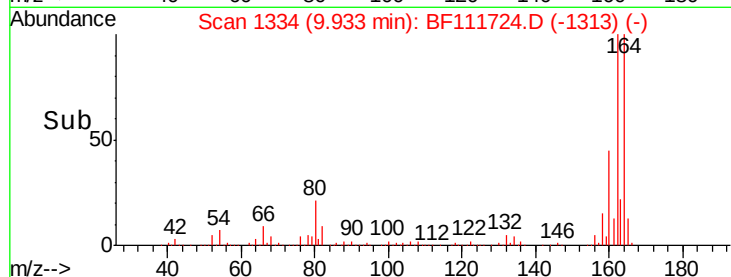
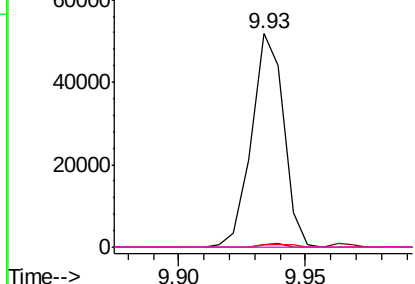


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

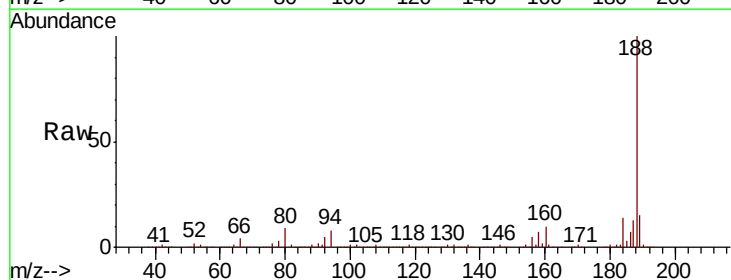
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF111724.D
 Acq: 26 Dec 2018 20:09

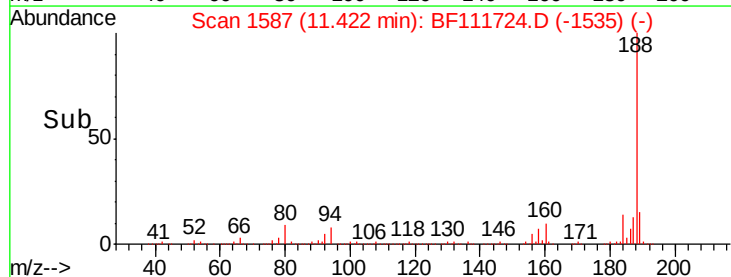
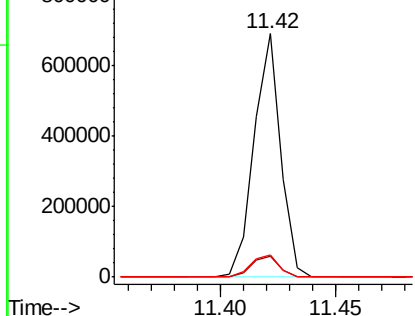
Tgt Ion:188	Resp:	556742
Ion Ratio	Lower	Upper
188	100	
94	8.4	9.6 14.4#
80	9.1	9.8 14.6#

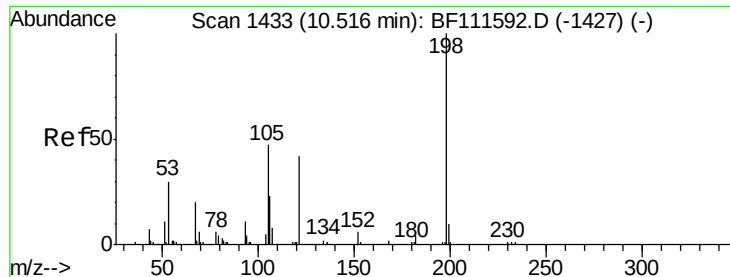


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 6.958 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.21 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUM

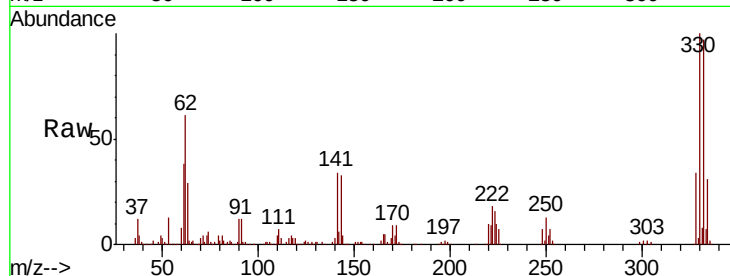
Tot Ion:198 Resp: 709

Ion Ratio Lower Upper

198 100

51 270.9 48.0 88.0#

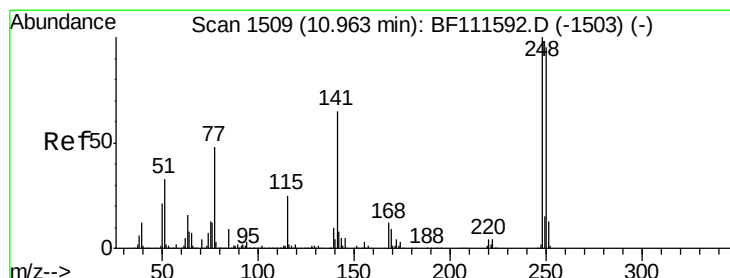
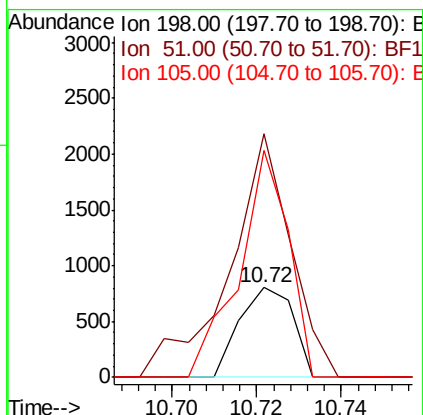
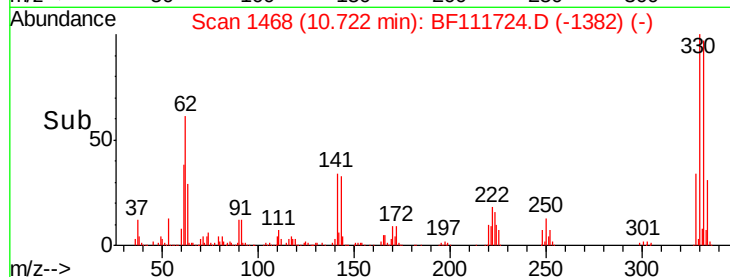
105 252.8 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.383 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

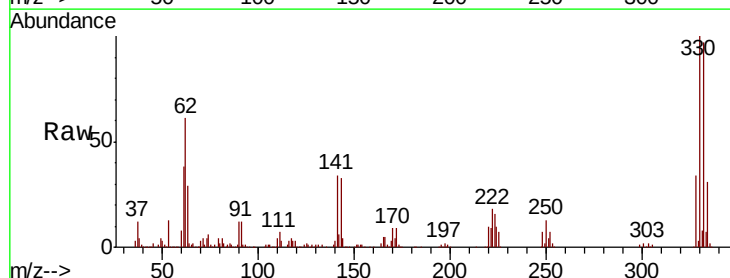
Tgt Ion:248 Resp: 23364

Ion Ratio Lower Upper

248 100

250 186.8 77.0 115.4#

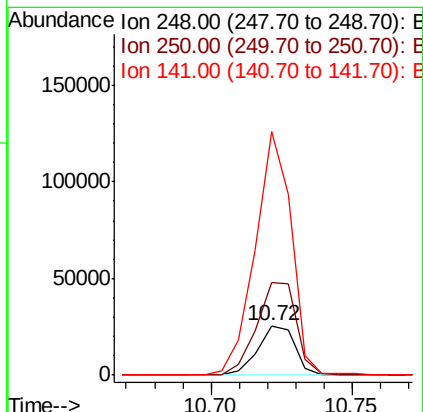
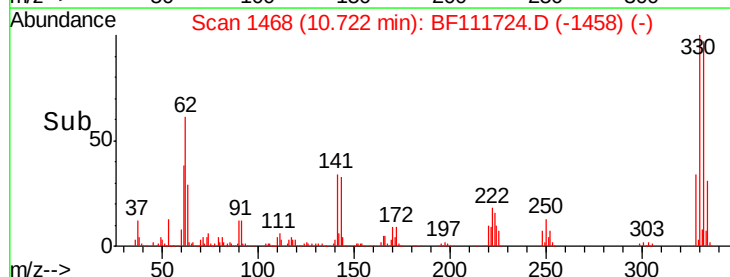
141 493.4 63.0 94.6#

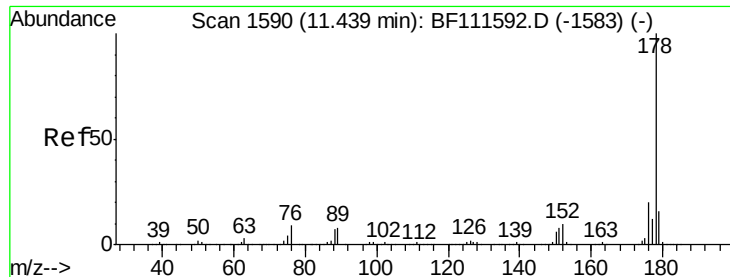


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 3.603 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUM

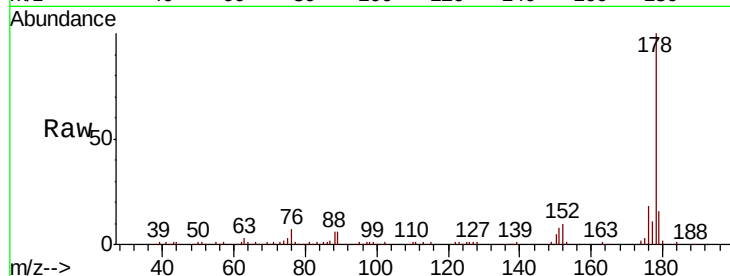
Tot Ion:178 Resp: 106382

Ion Ratio Lower Upper

178 100

176 18.2 18.1 27.1

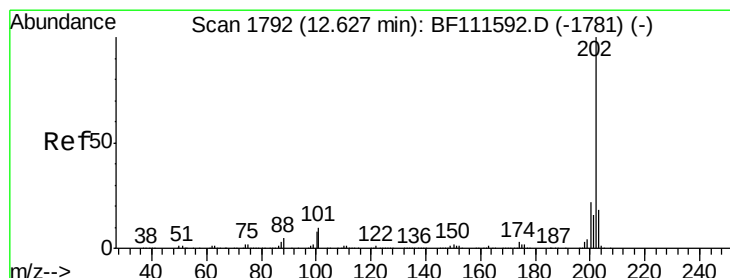
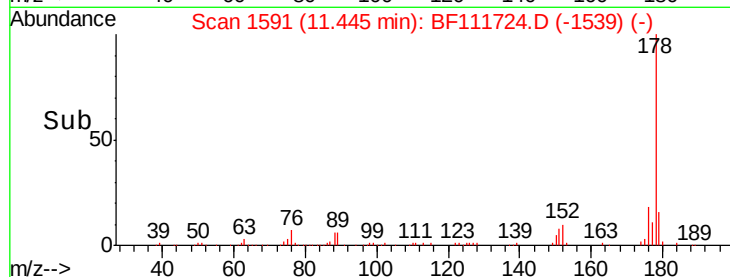
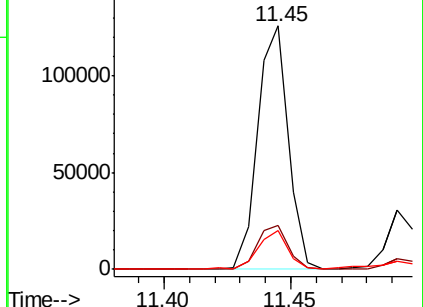
179 15.9 14.0 21.0



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: 7.528 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

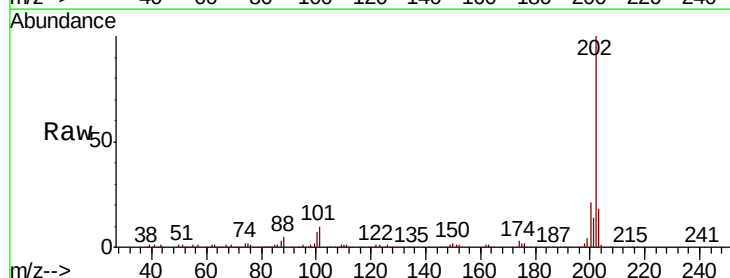
Tgt Ion:202 Resp: 225070

Ion Ratio Lower Upper

202 100

101 9.5 0.0 33.8

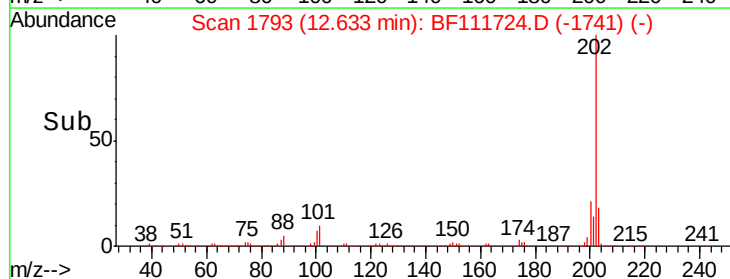
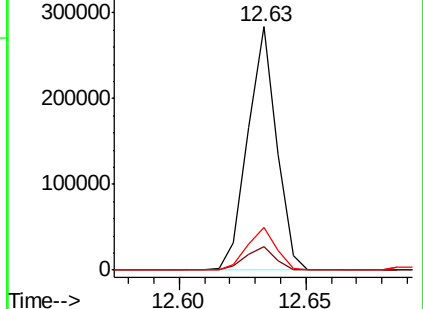
203 17.6 0.0 38.6

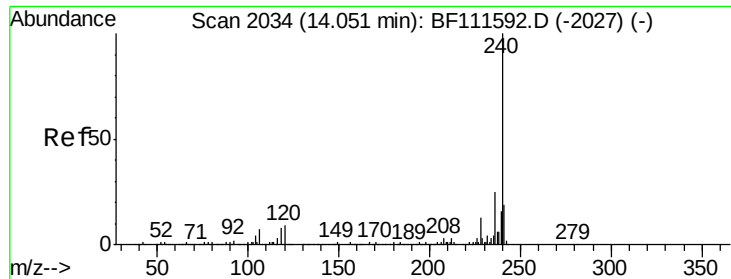


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

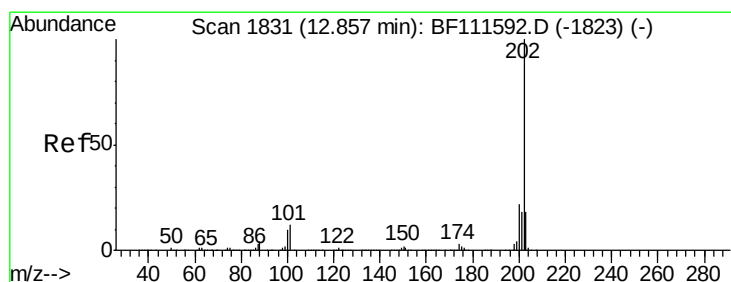
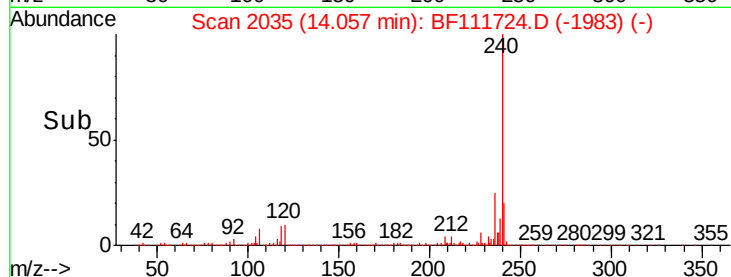
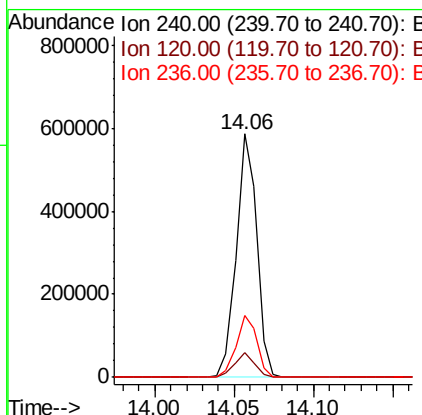
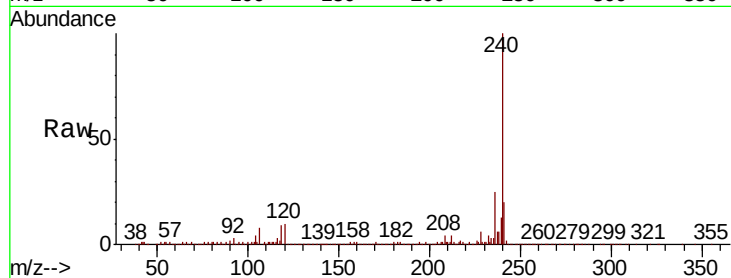




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

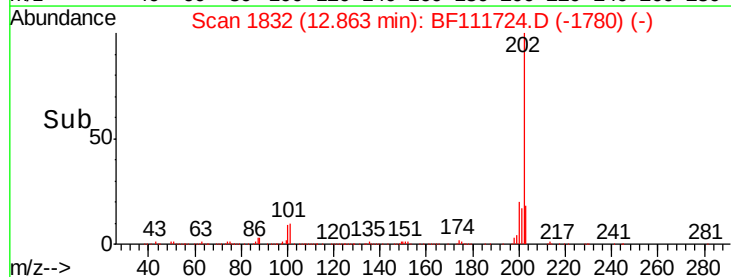
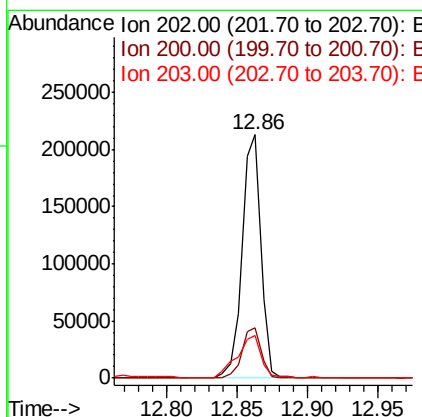
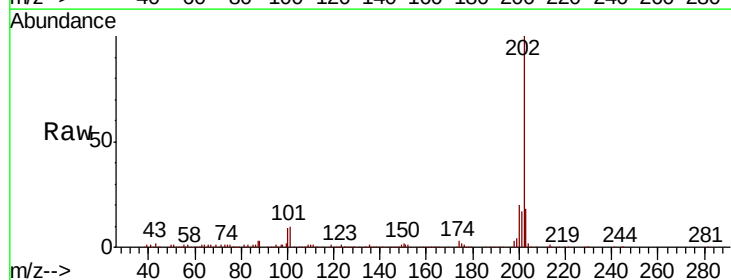
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

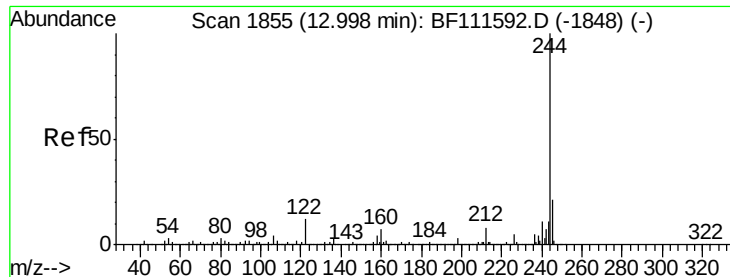
Tot Ion:240 Resp: 526220
Ion Ratio Lower Upper
240 100
120 10.0 12.2 18.2#
236 25.3 20.2 30.2



#78
Pyrene
Concen: 5.337 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion:202 Resp: 198319
Ion Ratio Lower Upper
202 100
200 20.4 19.0 28.4
203 17.7 15.2 22.8





#79

Terphenyl-d14

Concen: 50.771 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampled :

SOIL-DRUM

Tot Ion:244 Resp: 1408794

Ion Ratio Lower Upper

244 100

212 7.2

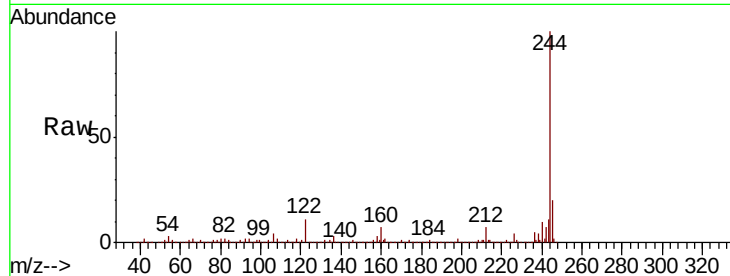
122 10.7

5.7

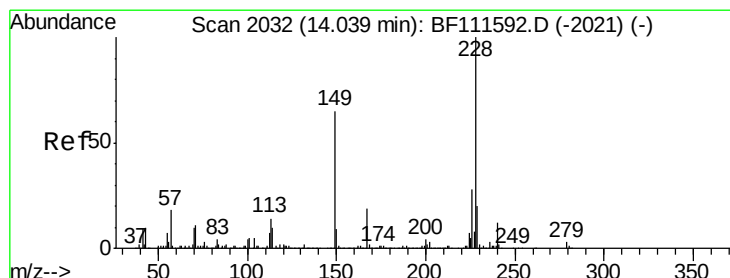
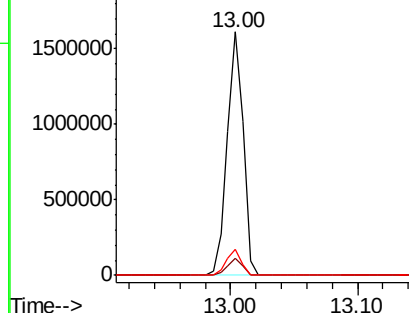
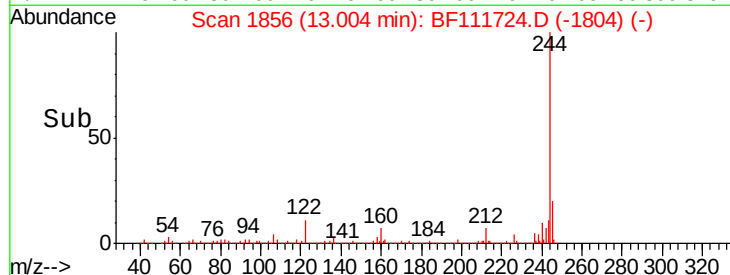
13.1

8.5

19.7#



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: 3.563 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Tgt Ion:228 Resp: 107007

Ion Ratio Lower Upper

228 100

226 27.5

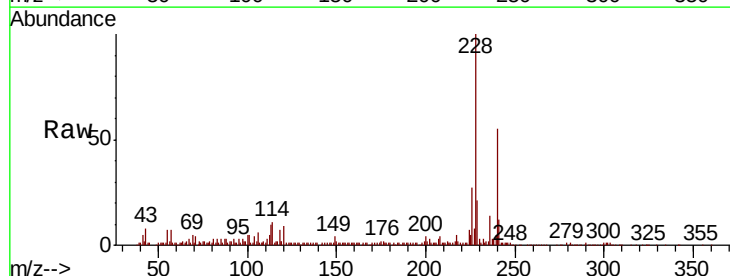
229 20.7

22.6

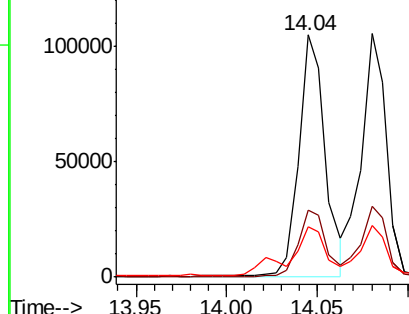
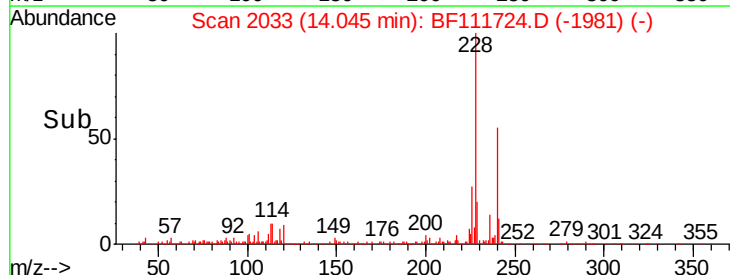
16.3

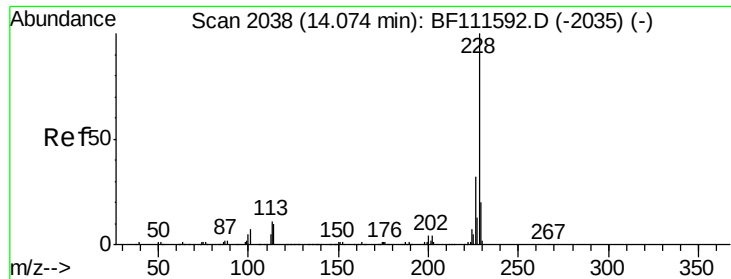
34.0

24.5



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

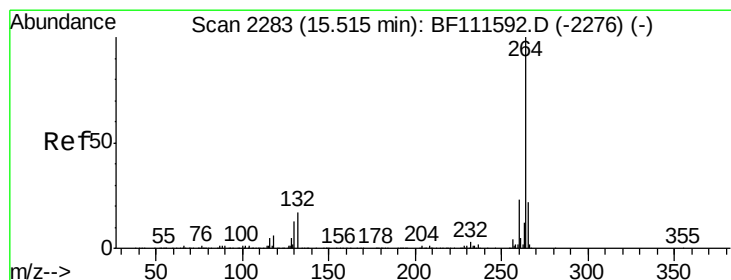
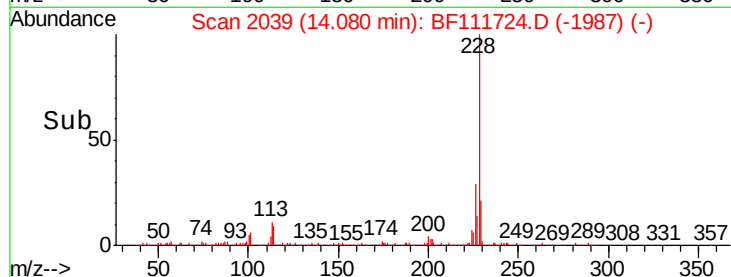
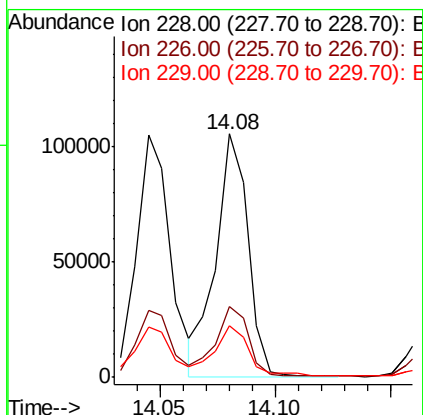
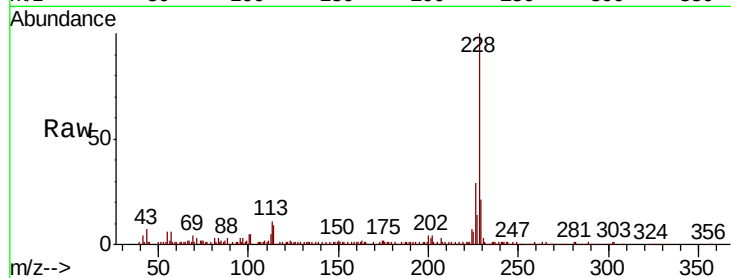




#83
Chrysene
Concen: 3.422 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

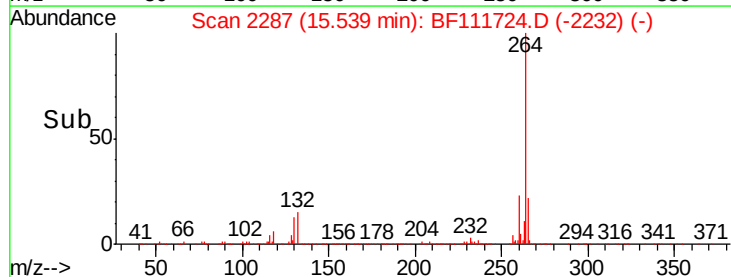
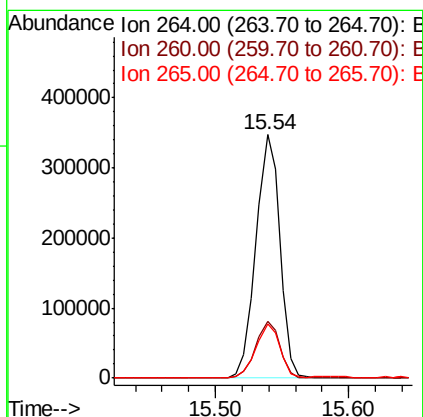
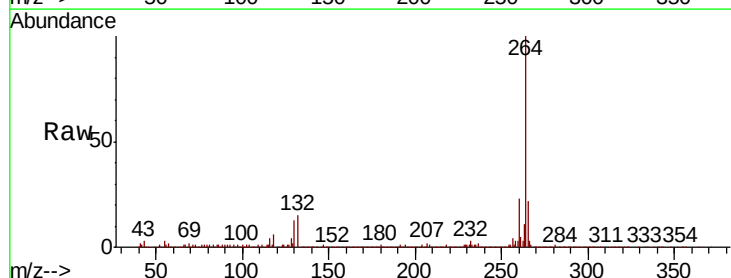
Instrument :
BNA_F
ClientSampled :
SOIL-DRUM

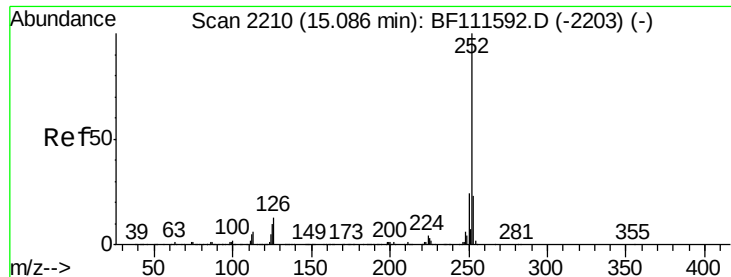
Tot Ion:228 Resp: 101013
Ion Ratio Lower Upper
228 100
226 29.3 25.3 37.9
229 21.3 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion:264 Resp: 426637
Ion Ratio Lower Upper
264 100
260 23.5 18.3 27.5
265 22.3 17.7 26.5

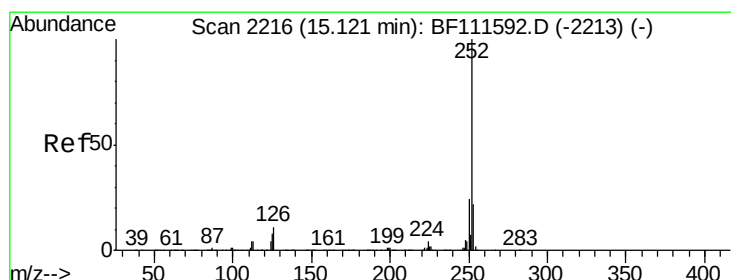
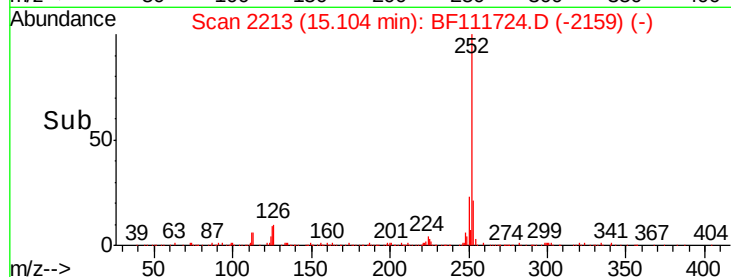
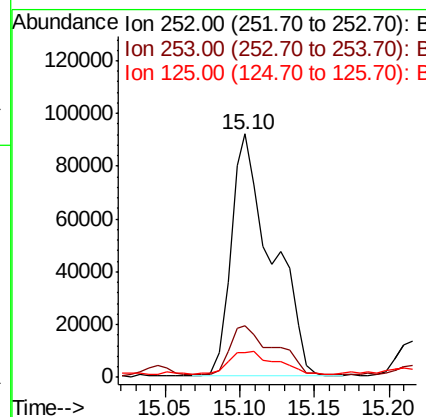
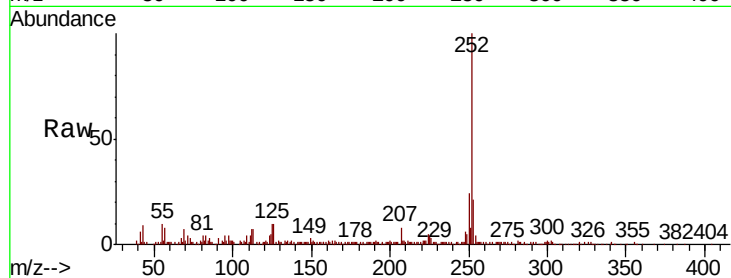




#88
Benzo(b)fluoranthene
Concen: 6.987 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

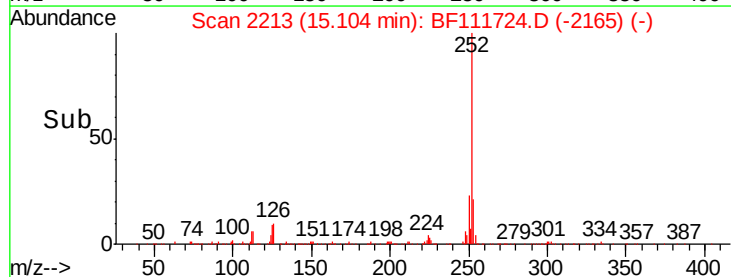
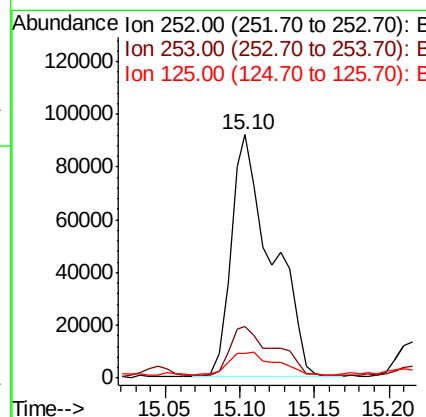
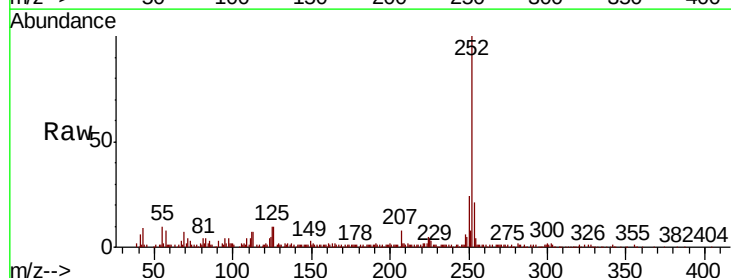
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

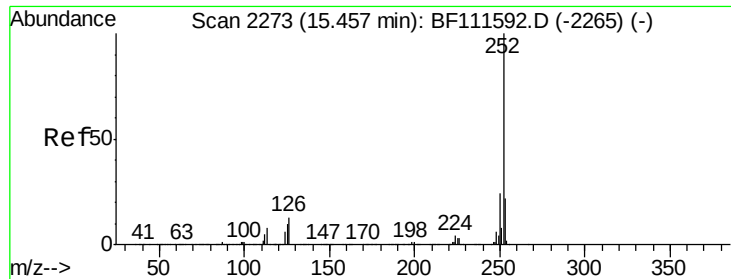
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	10.4	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 7.339 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	10.4	9.8	14.8

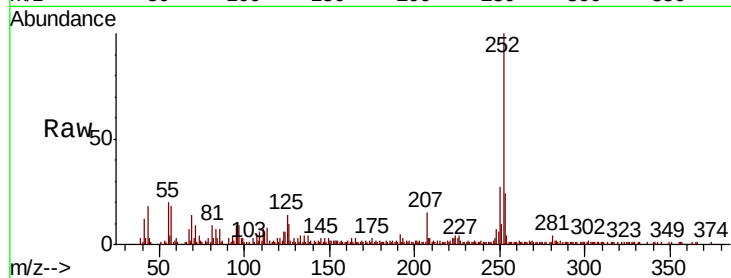




#90
Benzo(a)pyrene
Concen: 2.585 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	14.1	12.3	18.5

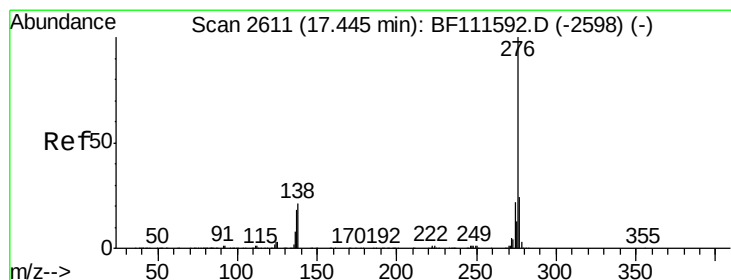
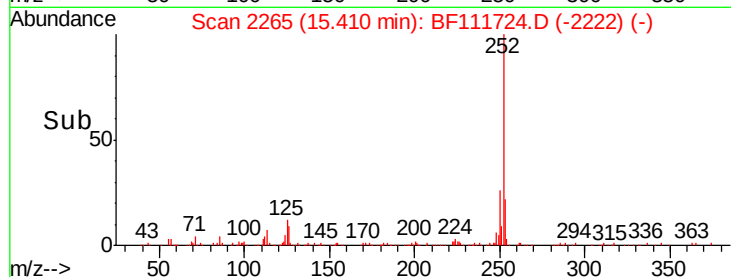
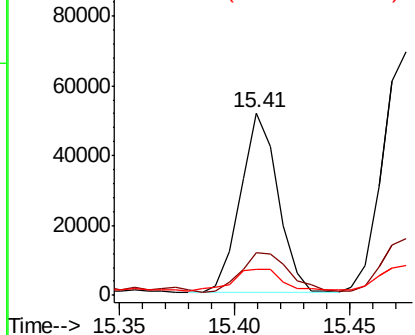


Abundance

Ion 252.00 (251.70 to 252.70): E

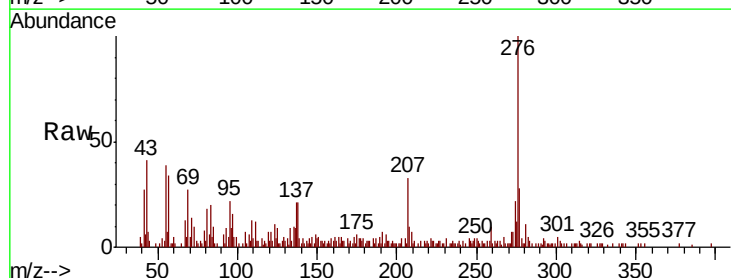
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.449 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.03 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.2	28.8
138	20.8	24.9	37.3



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

