

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101218\
 Data File : BF109845.D
 Acq On : 12 Oct 2018 20:29
 Operator : JU/SJ
 Sample : J5395-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PH-SOIL

Quant Time: Oct 12 22:22:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	91780	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	366735	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	158773	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	246037	20.00	ng	0.00
75) Chrysene-d12	13.83	240	162819	20.00	ng	0.00
86) Perylene-d12	15.23	264	148462	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	558544	108.02	ng	0.00
7) Phenol-d6	6.35	99	773138	111.93	ng	-0.01
23) Nitrobenzene-d5	7.26	82	511392	76.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	155479	89.87	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	865898	75.11	ng	0.00
78) Terphenyl-d14	12.78	244	525144	62.44	ng	0.00

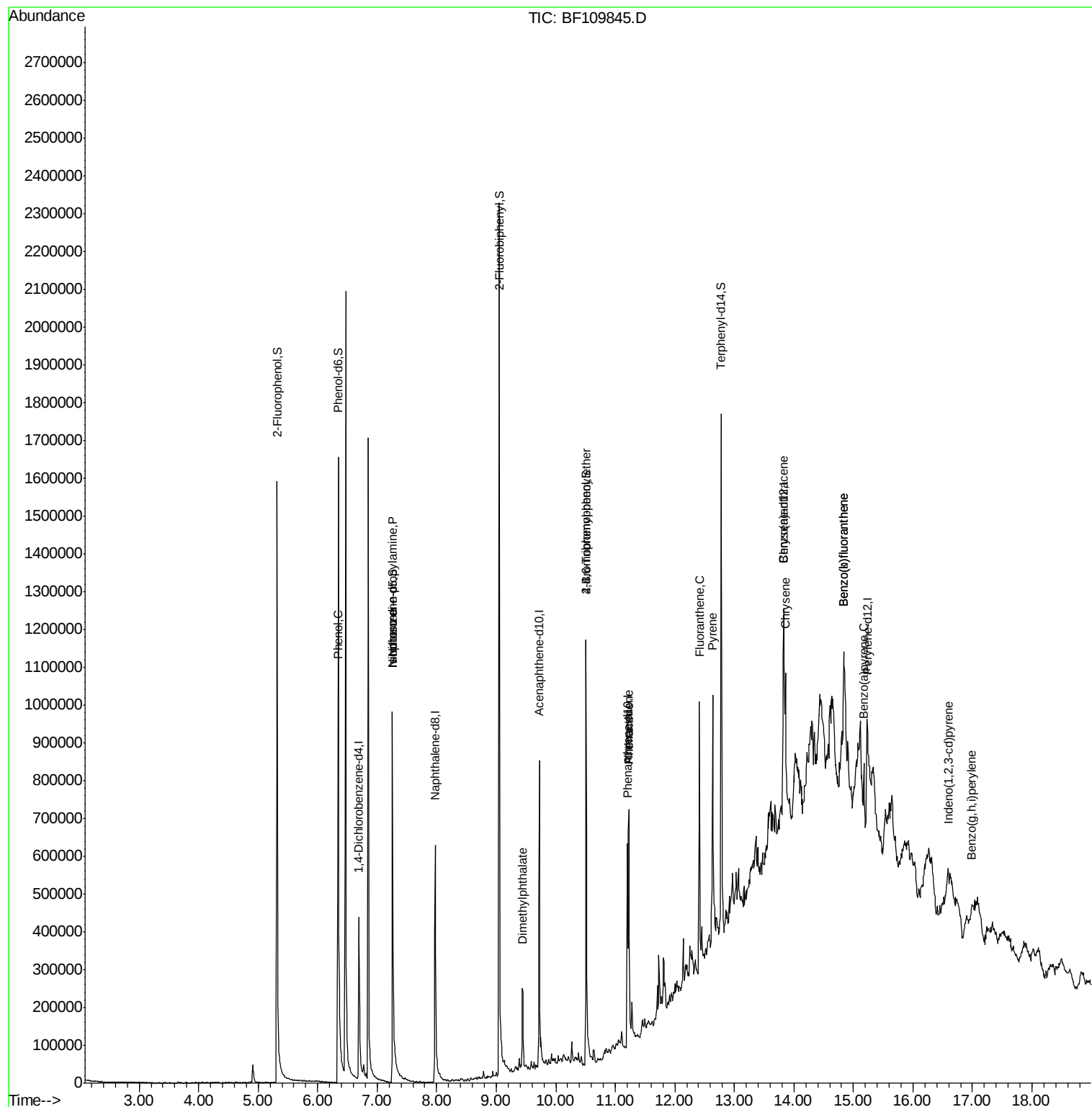
Target Compounds				Qvalue		
10) Phenol	6.36	94	26829	3.387	ng	89
19) n-Nitroso-di-n-propylamine	7.26	70	65196	13.459	ng	# 79
25) Isophorone	7.26	82	517215	46.817	ng	# 67
49) Dimethylphthalate	9.45	163	101587	8.724	ng	99
66) 4-Bromophenyl-phenylether	10.51	248	9557	3.381	ng	# 1
70) Phenanthrene	11.23	178	272480	22.130	ng	99
71) Anthracene	11.23	178	272480	21.408	ng	99
74) Fluoranthene	12.41	202	336426	26.155	ng	99
77) Pyrene	12.64	202	301722	25.293	ng	98
80) Benzo(a)anthracene	13.82	228	130975	14.577	ng	97
82) Chrysene	13.86	228	130281	13.804	ng	98
85) Indeno(1,2,3-cd)pyrene	16.59	276	42917	6.353	ng	95
87) Benzo(b)fluoranthene	14.84	252	166740	20.324	ng	# 81
88) Benzo(k)fluoranthene	14.84	252	166740	20.227	ng	# 81
89) Benzo(a)pyrene	15.18	252	90858	12.204	ng	# 88
91) Benzo(g,h,i)perylene	16.99	276	38980	6.384	ng	# 88

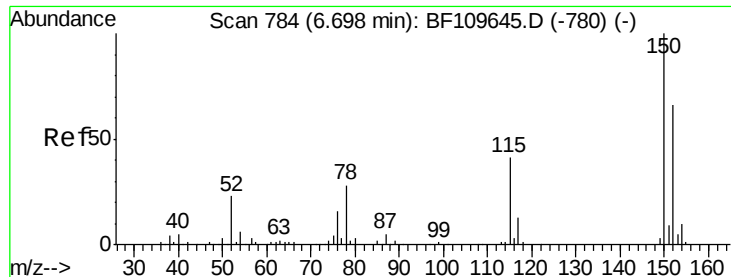
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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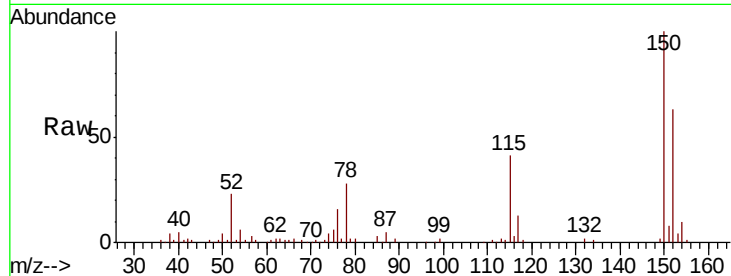


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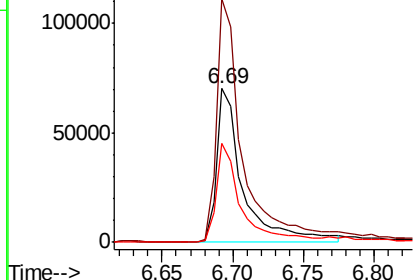
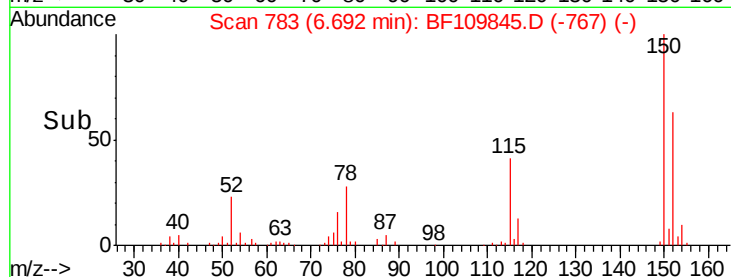
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampled :
PH-SOIL

Tgt Ion:152 Resp: 91780
Ion Ratio Lower Upper
152 100
150 158.6 122.7 184.1
115 64.4 49.1 73.7



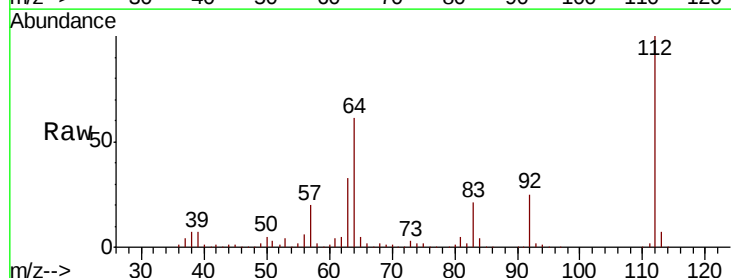
Abundance Ion 152.00 (151.70 to 152.70): E
150000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



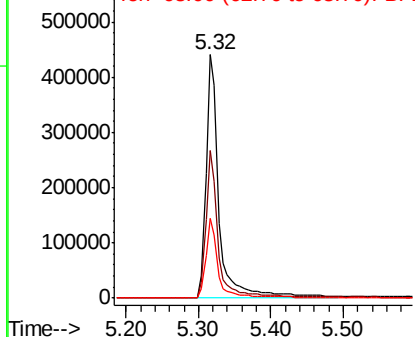
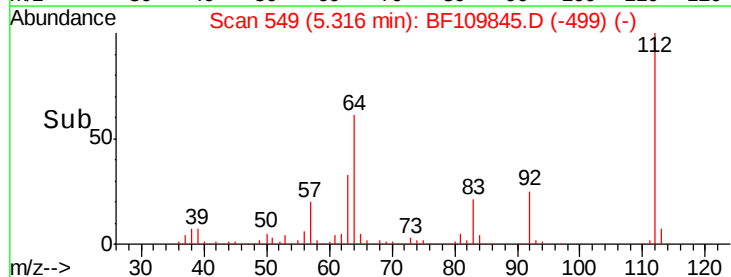
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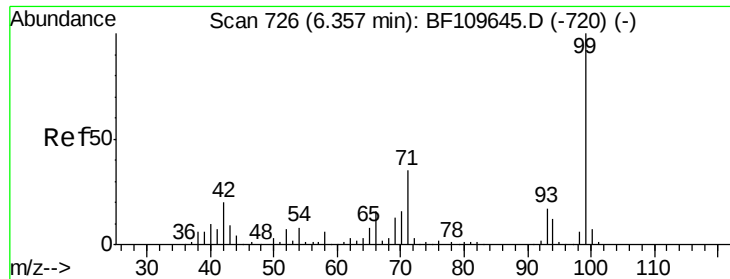
2-Fluorophenol
Concen: 108.023 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion:112 Resp: 558544
Ion Ratio Lower Upper
112 100
64 60.6 44.1 66.1
63 32.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
600000 Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 111.930 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampleId :

PH-SOIL

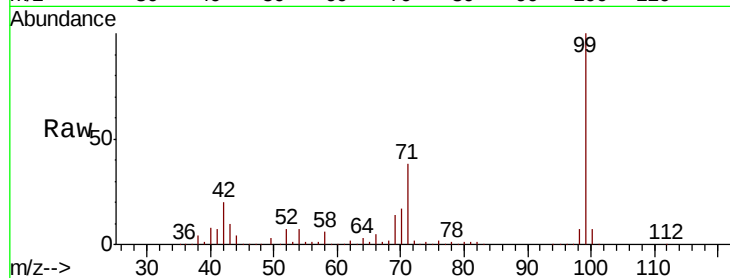
Tgt Ion: 99 Resp: 773138

Ion Ratio Lower Upper

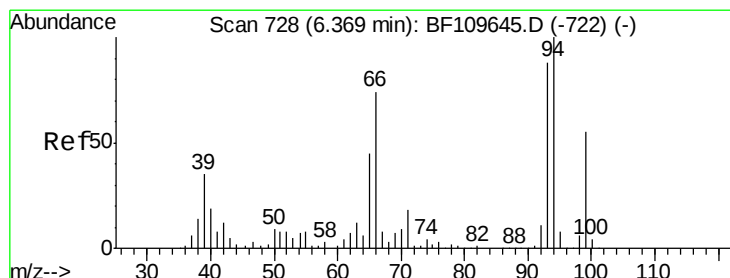
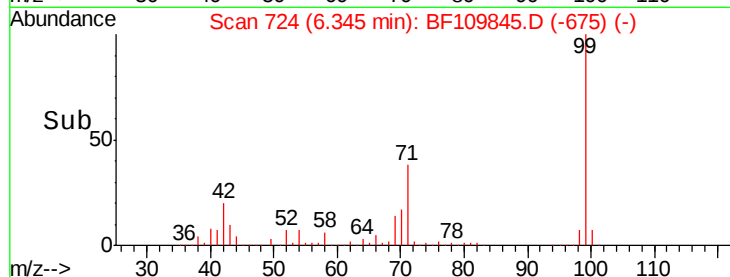
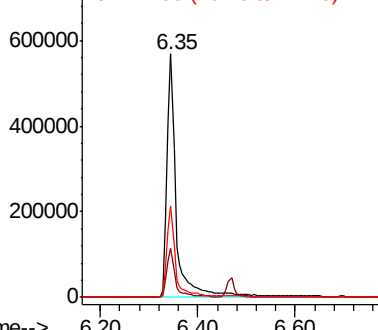
99 100

42 20.2 15.8 23.6

71 37.7 28.0 42.0



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: 3.387 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

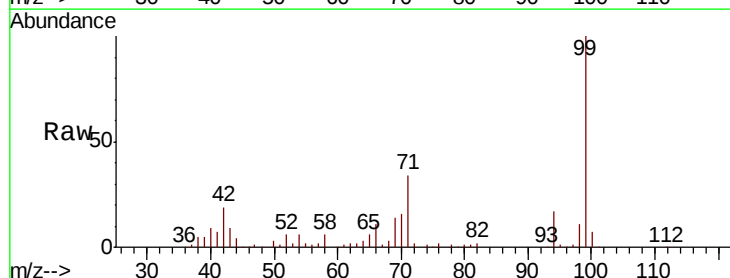
Tgt Ion: 94 Resp: 26829

Ion Ratio Lower Upper

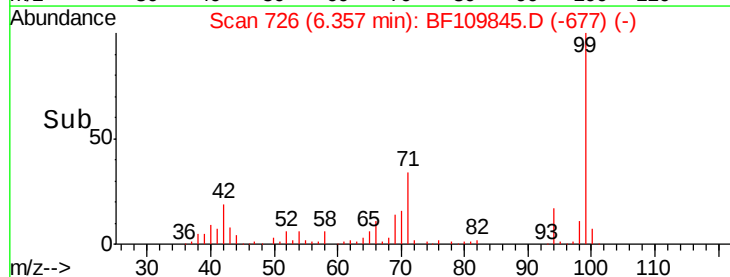
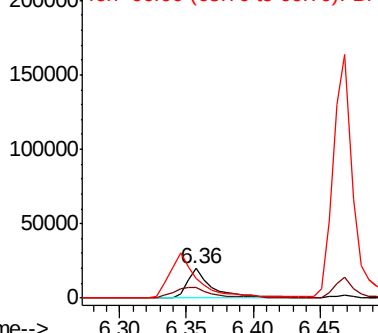
94 100

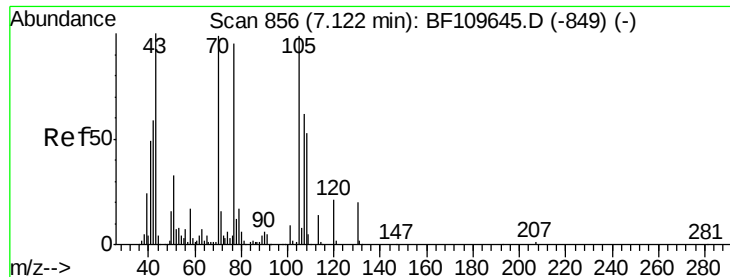
65 35.0 25.3 65.3

66 67.6 54.5 94.5



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

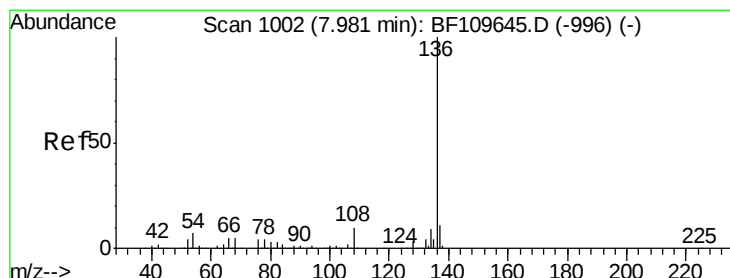
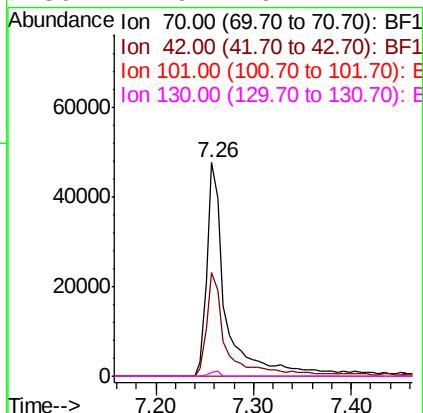
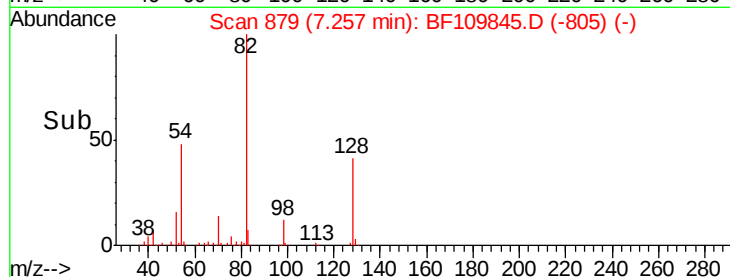
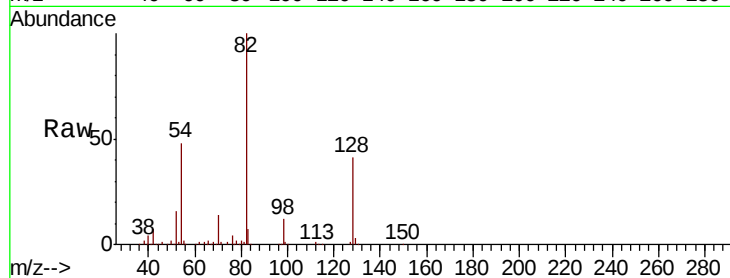




#19
n-Nitroso-di-n-propylamine
Concen: 13.459 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.14 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

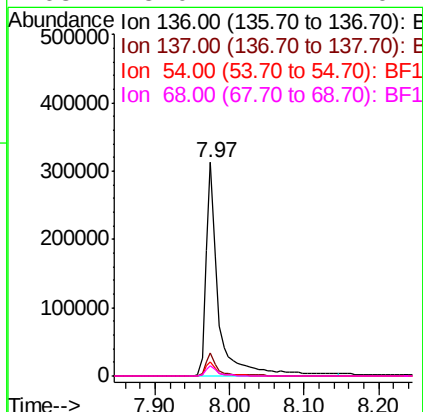
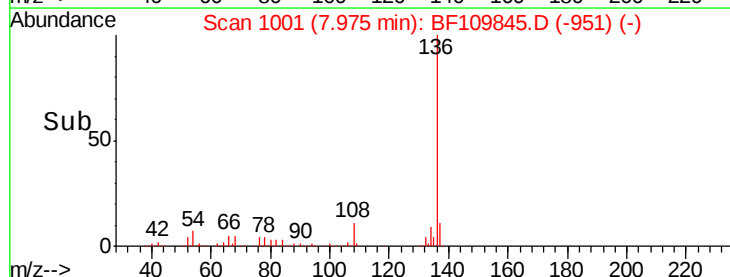
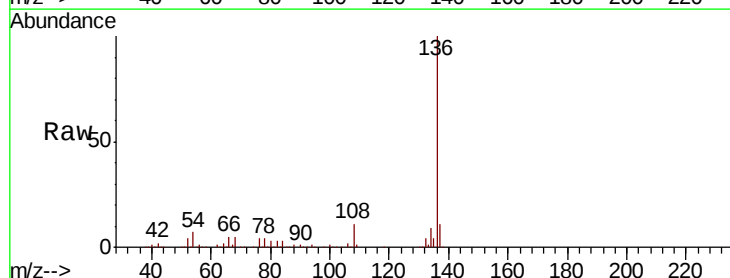
Instrument :
BNA_F
ClientSampled :
PH-SOIL

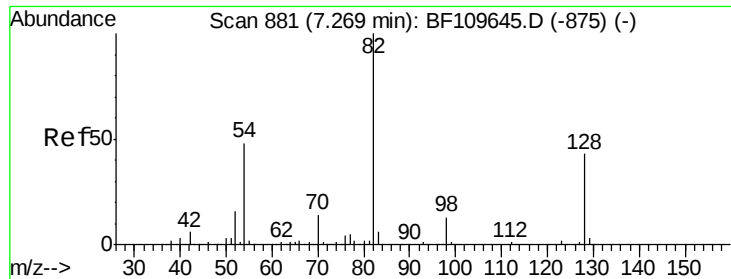
Tgt Ion: 70 Resp: 65196
Ion Ratio Lower Upper
70 100
42 48.4 47.4 71.2
101 0.0 7.3 10.9#
130 1.9 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion: 136 Resp: 366735
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.8 5.4 8.2
68 5.0 4.2 6.2

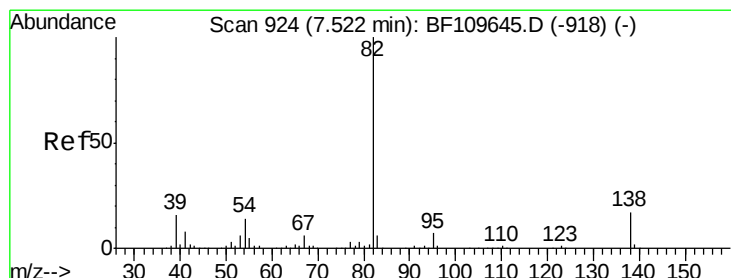
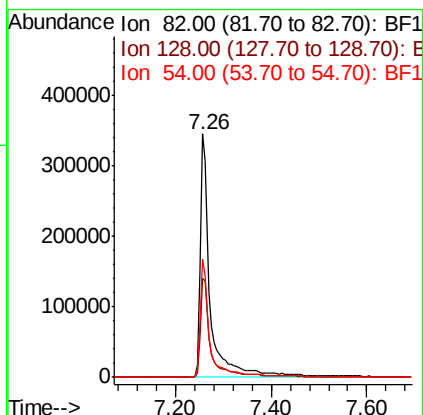
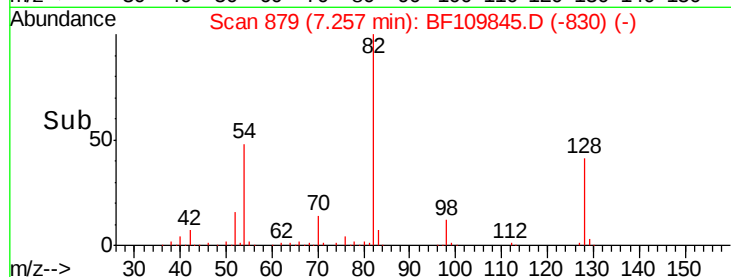
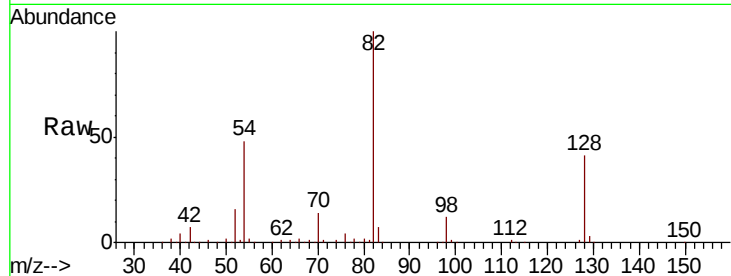




#23
 Nitrobenzene-d5
 Concen: 76.867 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

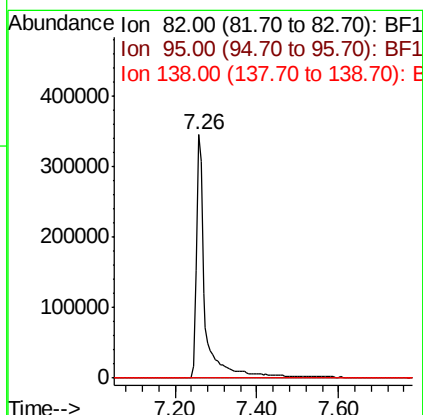
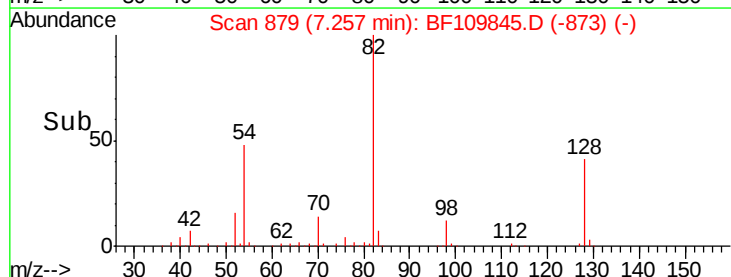
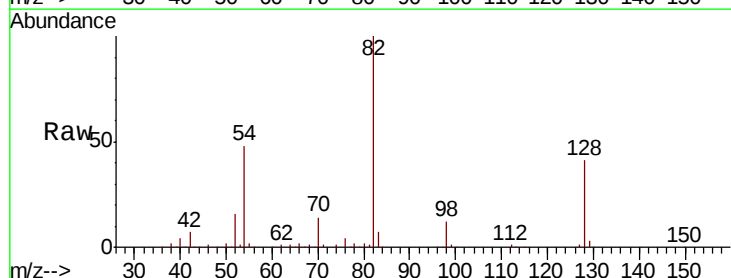
Instrument :
 BNA_F
 ClientSampled :
 PH-SOIL

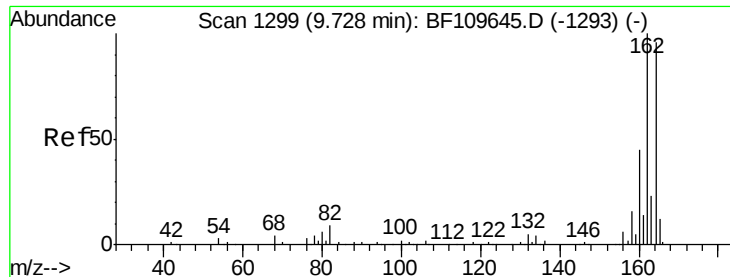
Tgt Ion: 82 Resp: 511392
 Ion Ratio Lower Upper
 82 100
 128 40.6 34.2 51.2
 54 48.3 38.6 58.0



#25
 Isophorone
 Concen: 46.817 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.26 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Tgt Ion: 82 Resp: 517215
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#

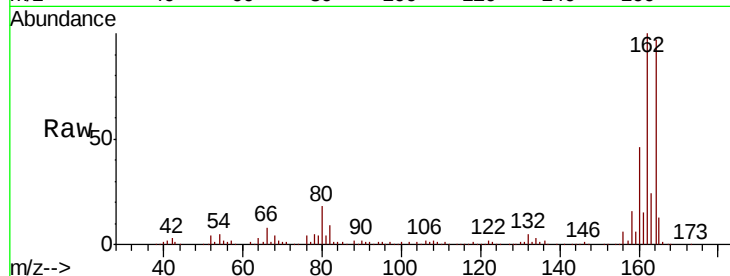




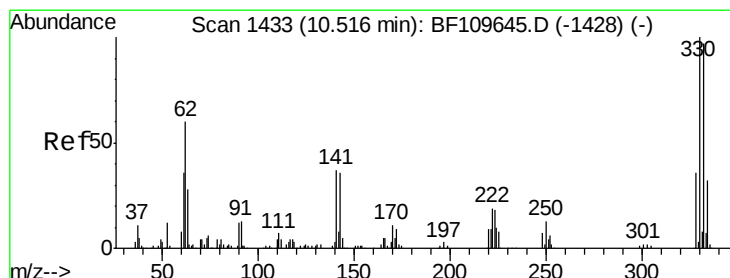
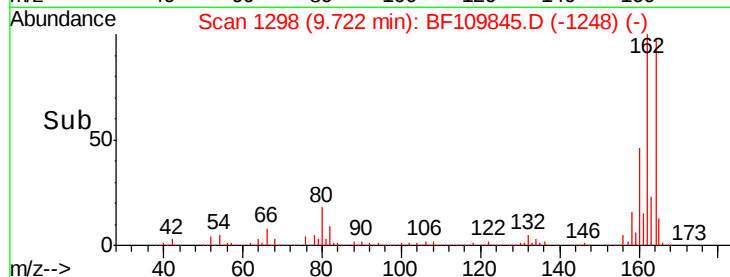
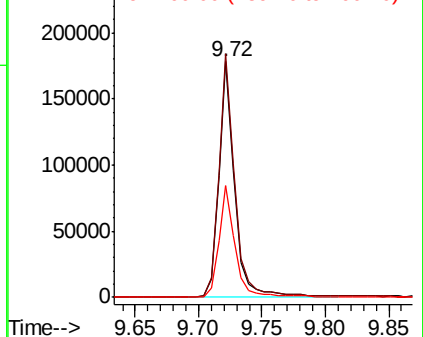
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :
 PH-SOIL

Tgt Ion:164 Resp: 158773
 Ion Ratio Lower Upper
 164 100
 162 103.4 83.0 124.6
 160 47.7 37.0 55.6

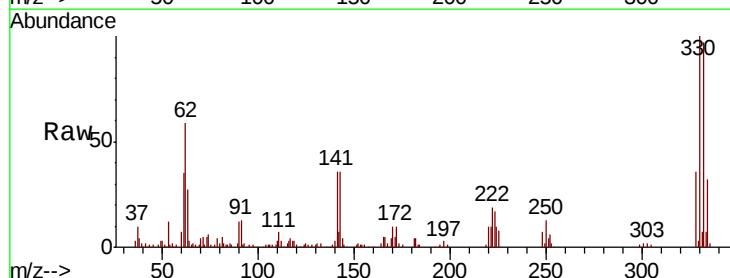


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

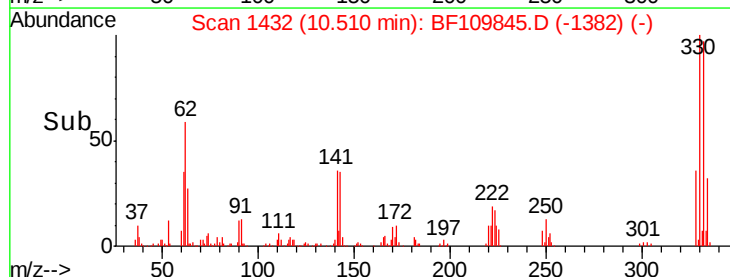
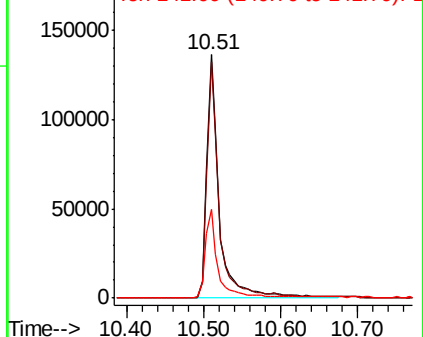


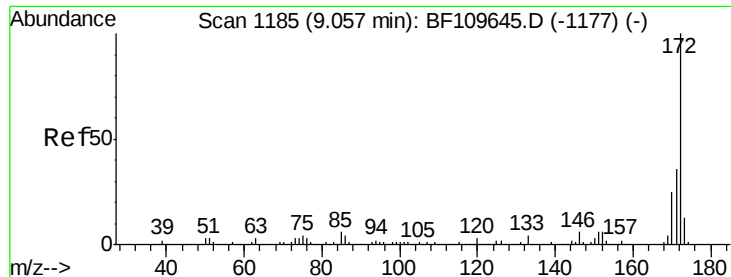
#41
 2,4,6-Tribromophenol
 Concen: 89.872 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Tgt Ion:330 Resp: 155479
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.1 115.7
 141 35.9 27.0 40.4



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

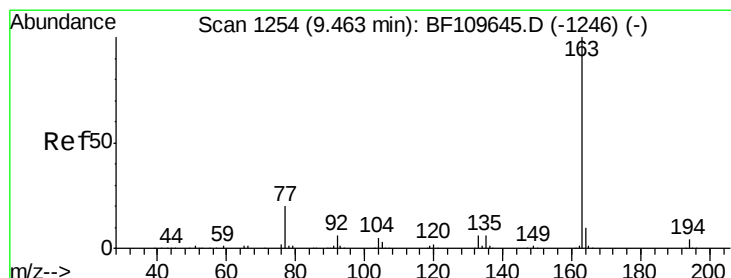
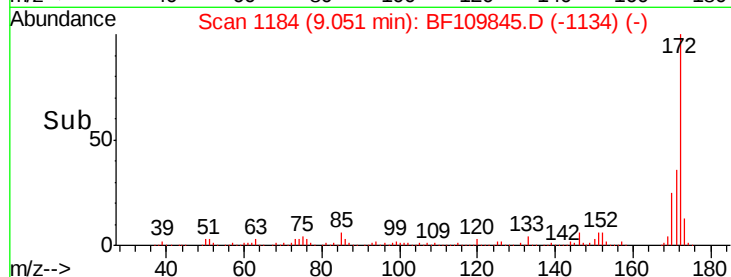
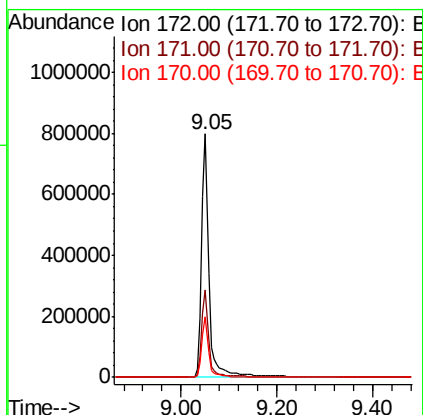
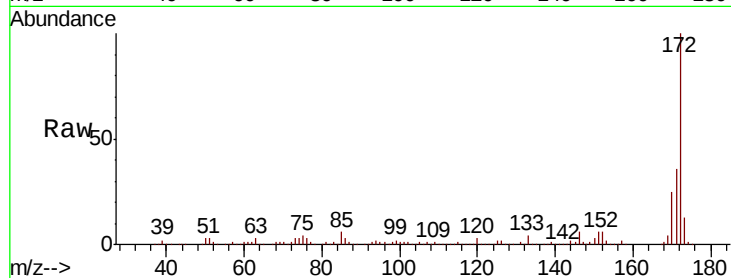




#44
 2-Fluorobiphenyl
 Concen: 75.111 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

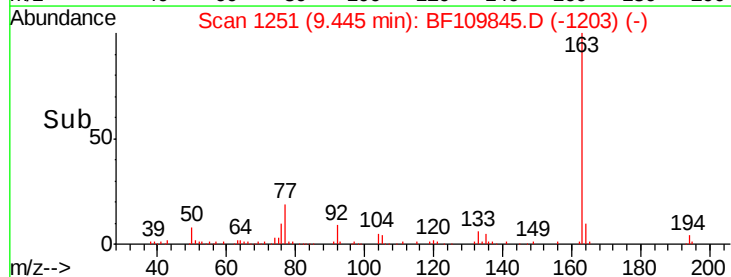
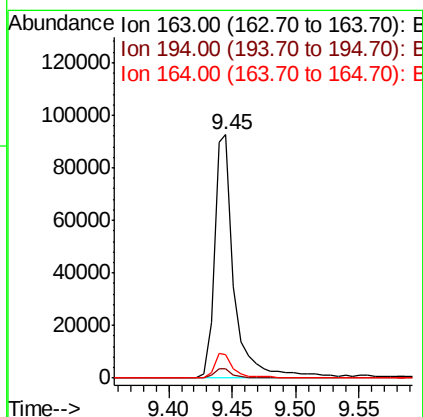
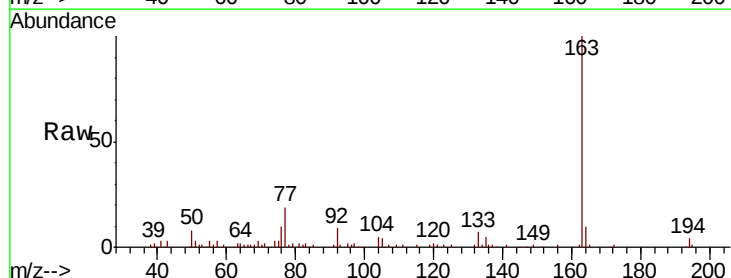
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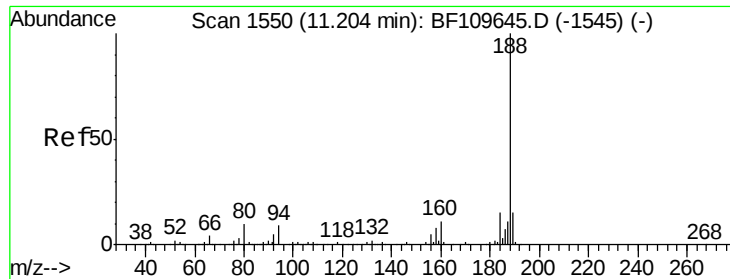
Tgt Ion:172 Resp: 865898
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.7 19.7 29.5



#49
 Dimethylphthalate
 Concen: 8.724 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Tgt Ion:163 Resp: 101587
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.2 4.8
 164 9.7 8.1 12.1

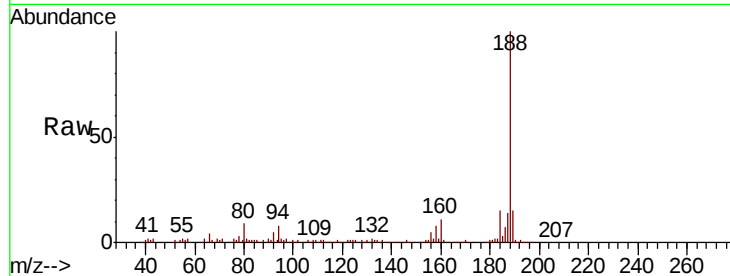




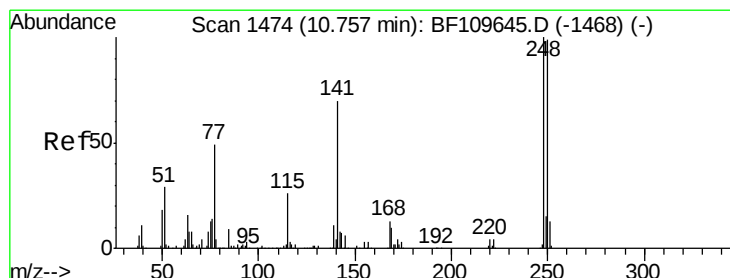
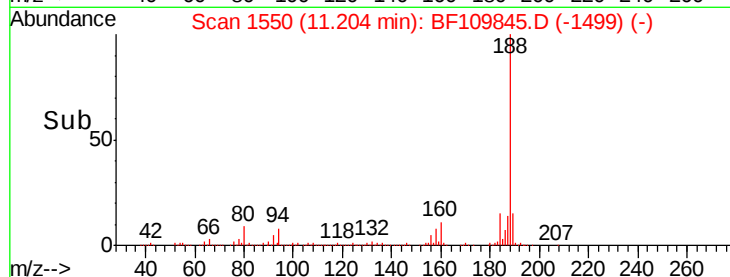
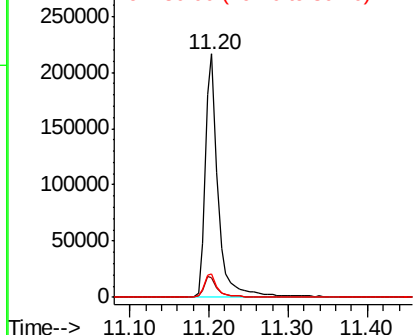
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

Tgt Ion:188 Resp: 246037
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 9.5 7.9 11.9

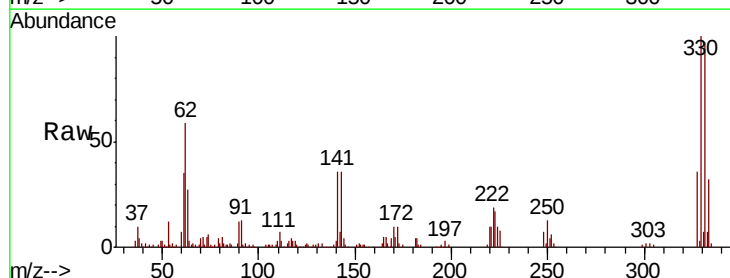


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

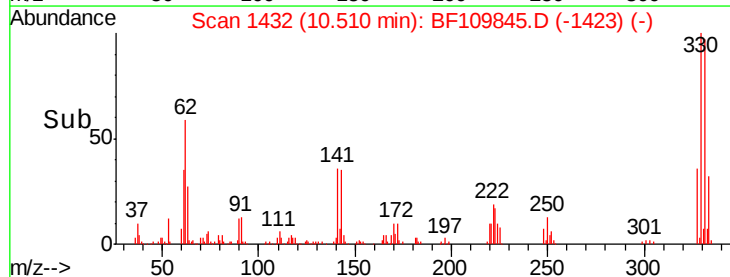
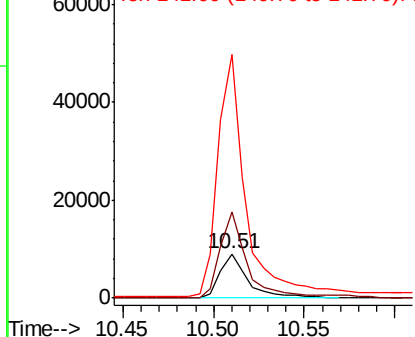


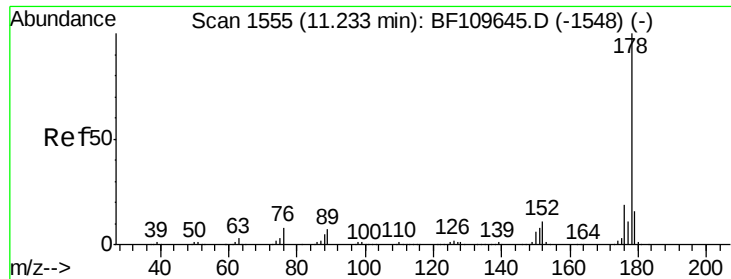
#66
4-Bromophenyl-phenylether
Concen: 3.381 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion:248 Resp: 9557
Ion Ratio Lower Upper
248 100
250 193.7 79.4 119.2#
141 546.4 55.9 83.9#



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

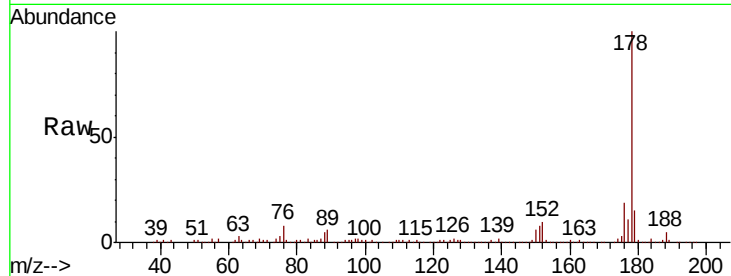




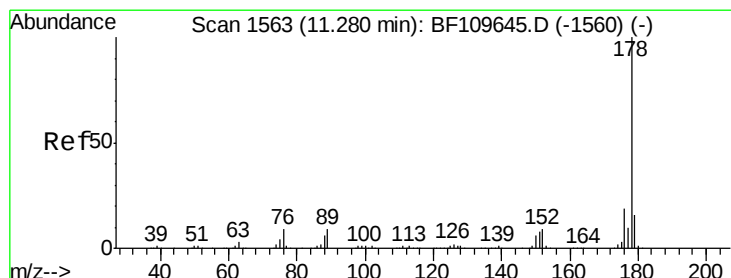
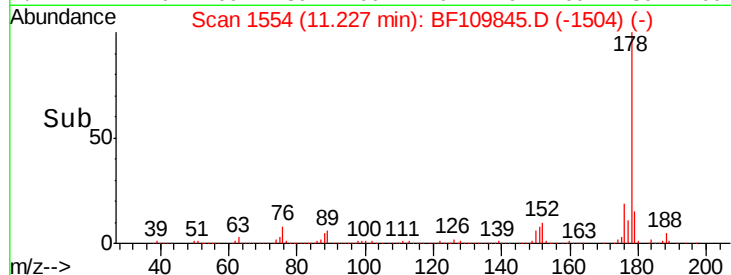
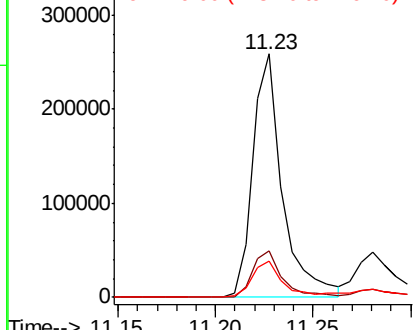
#70
Phenanthrene
Concen: 22.130 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

Tgt Ion:178 Resp: 272480
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.9 12.5 18.7

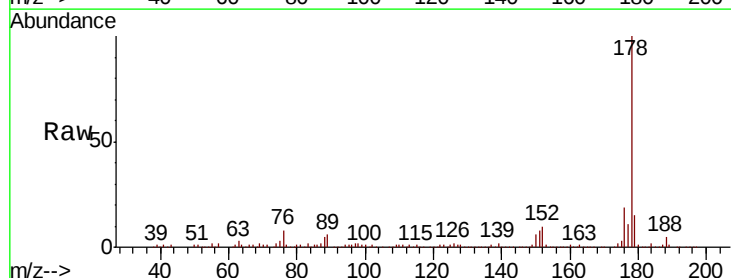


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

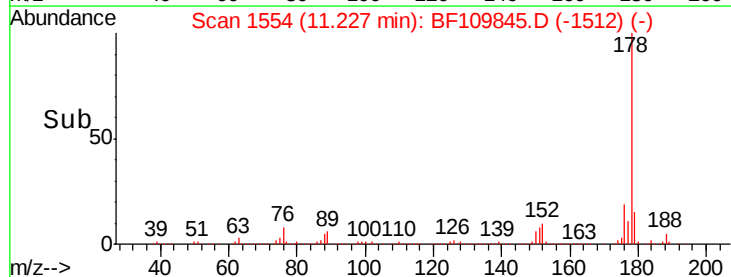
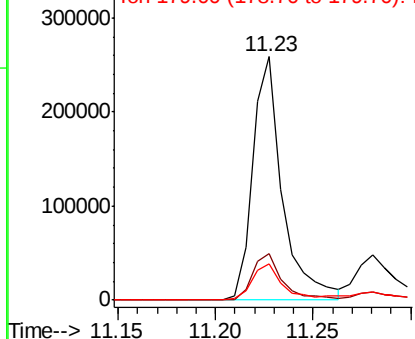


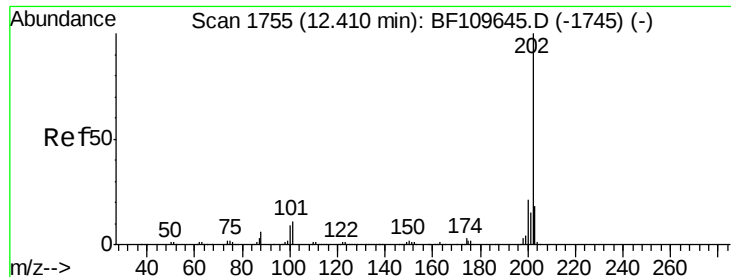
#71
Anthracene
Concen: 21.408 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.05 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion:178 Resp: 272480
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 14.9 12.6 18.8



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





#74

Fluoranthene

Concen: 26.155 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampleId :

PH-SOIL

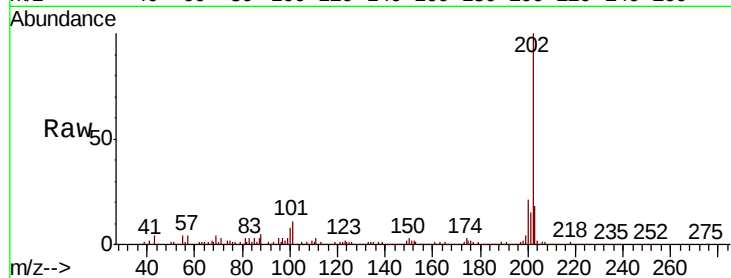
Tgt Ion:202 Resp: 336426

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

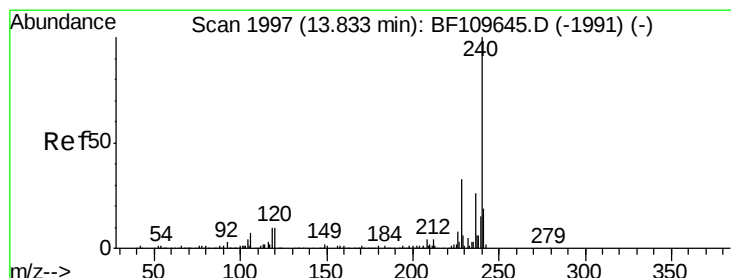
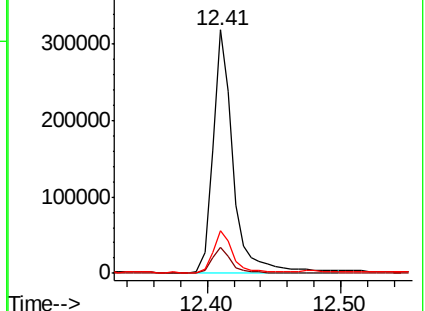
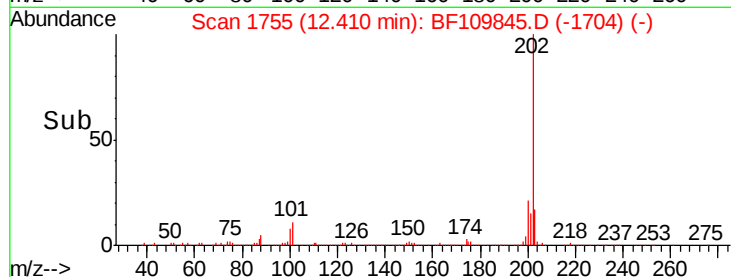
203 17.7 0.0 37.7



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

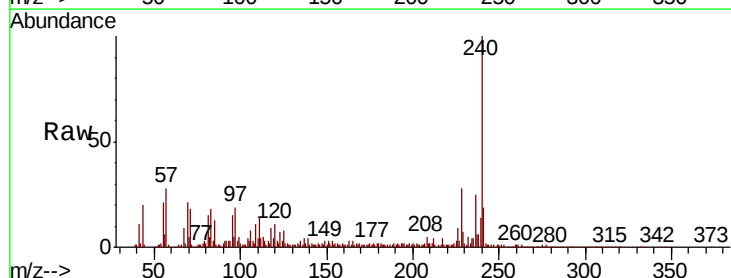
Tgt Ion:240 Resp: 162819

Ion Ratio Lower Upper

240 100

120 10.9 8.3 12.5

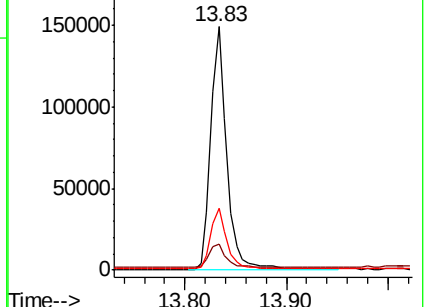
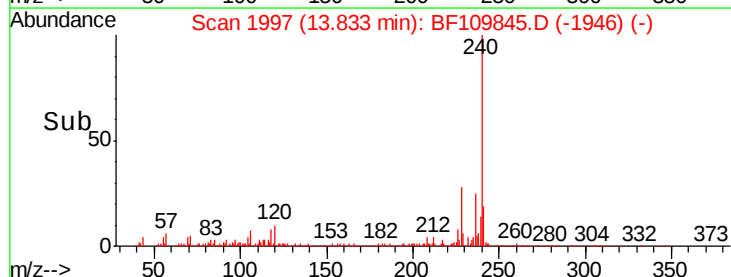
236 25.5 21.2 31.8

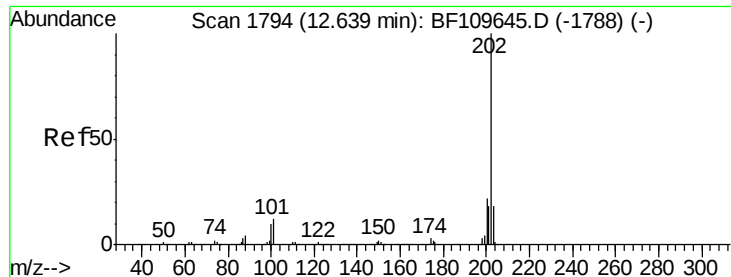


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 25.293 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampleId :

PH-SOIL

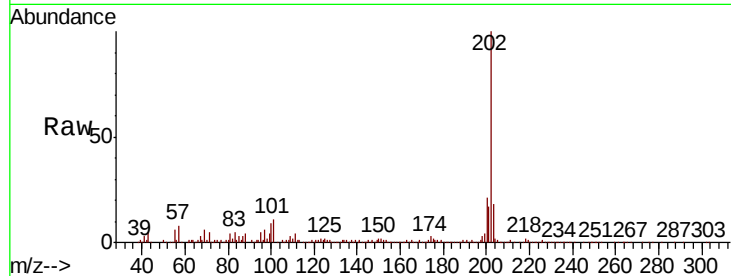
Tgt Ion:202 Resp: 301722

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

203 18.4 14.2 21.4

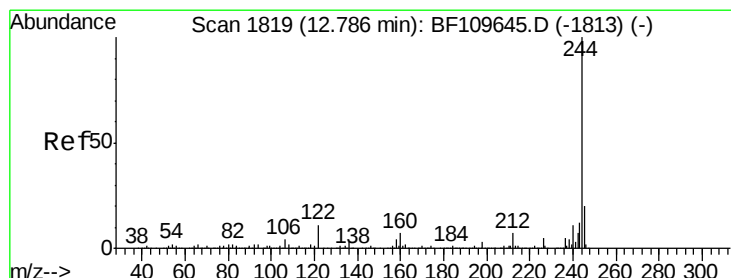
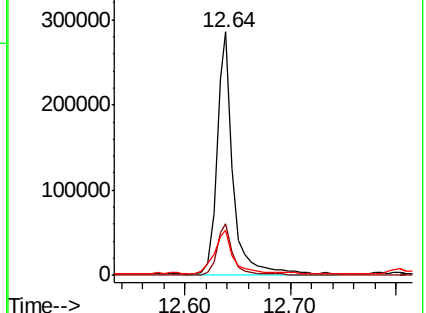
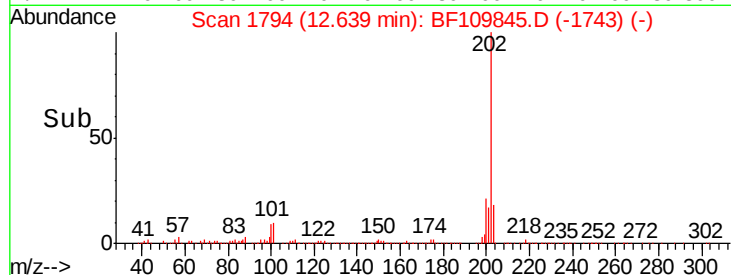


Abundance

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



#78

Terphenyl-d14

Concen: 62.437 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

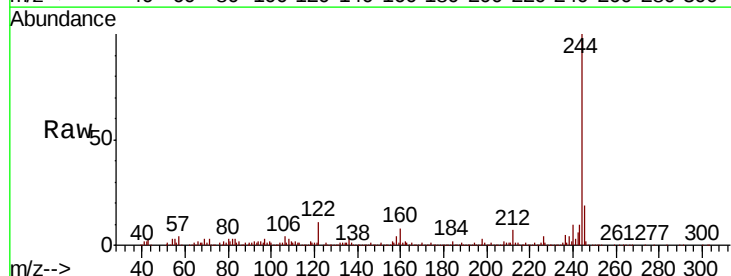
Tgt Ion:244 Resp: 525144

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 11.1 8.7 13.1

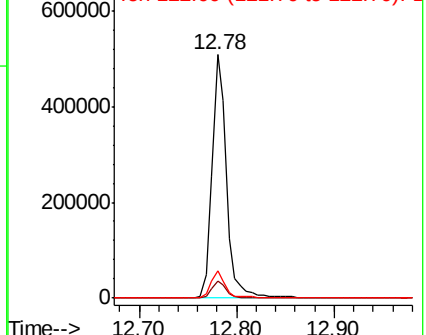
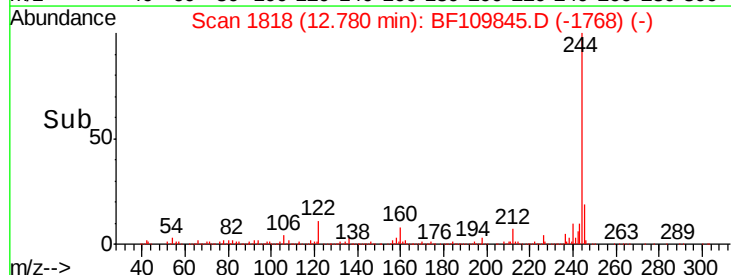


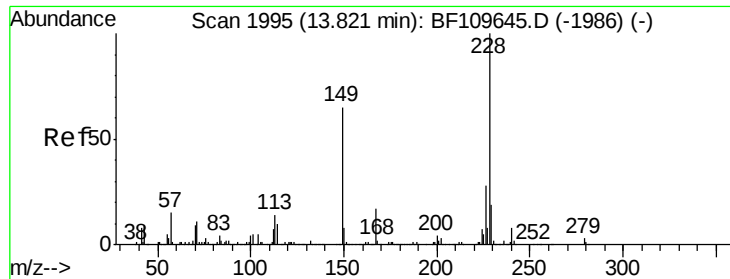
Abundance

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





#80

Benzo(a)anthracene

Concen: 14.577 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampleId :

PH-SOIL

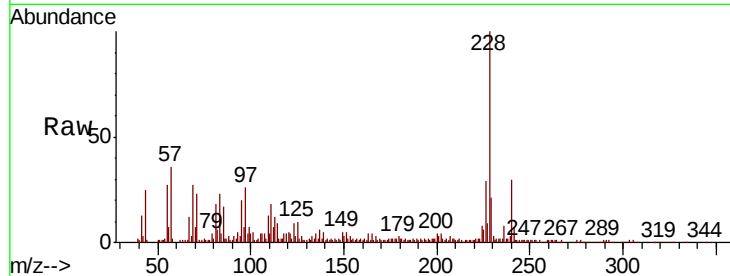
Tgt Ion:228 Resp: 130975

Ion Ratio Lower Upper

228 100

226 28.9 22.1 33.1

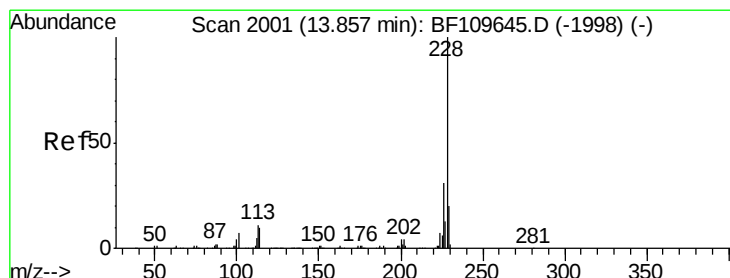
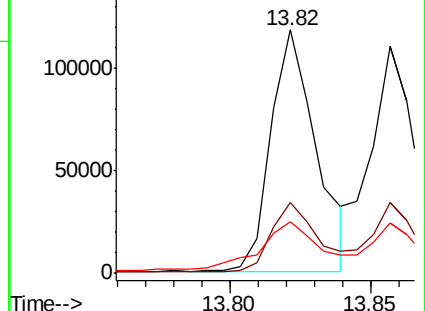
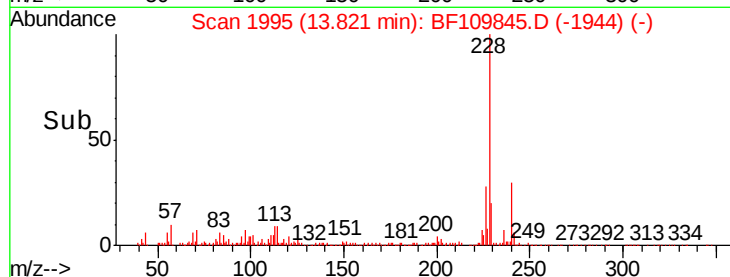
229 21.0 15.6 23.4



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



#82

Chrysene

Concen: 13.804 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

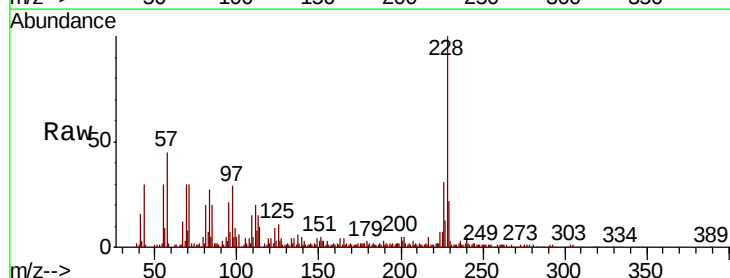
Tgt Ion:228 Resp: 130281

Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

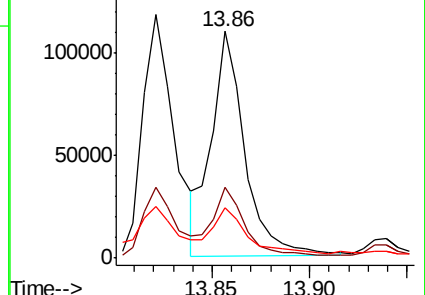
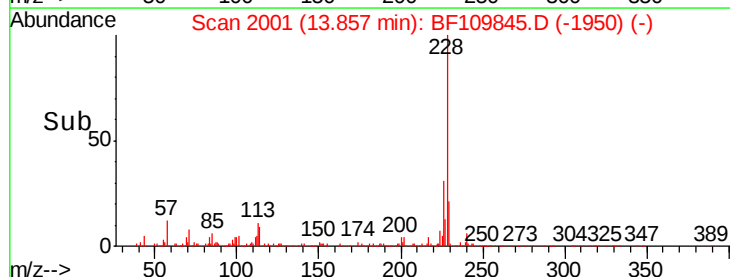
229 22.0 15.9 23.9

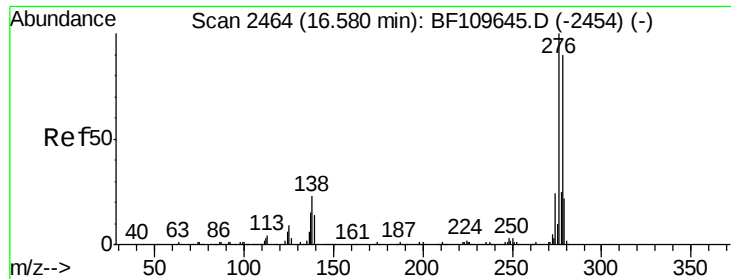


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.353 ng

RT: 16.59 min Scan# 2465

Delta R.T. 0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampled :

PH-SOIL

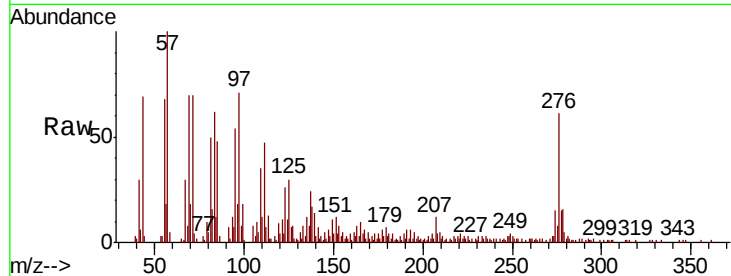
Tgt Ion:276 Resp: 42917

Ion Ratio Lower Upper

276 100

138 20.6 18.5 27.7

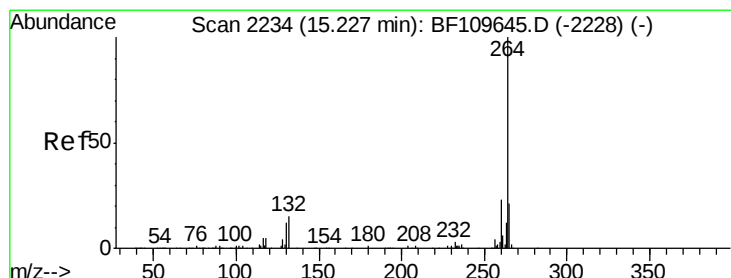
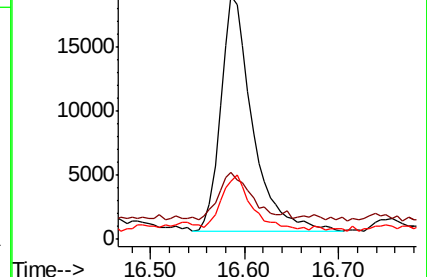
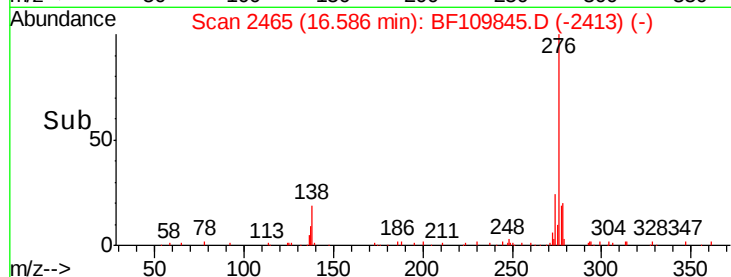
277 22.2 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

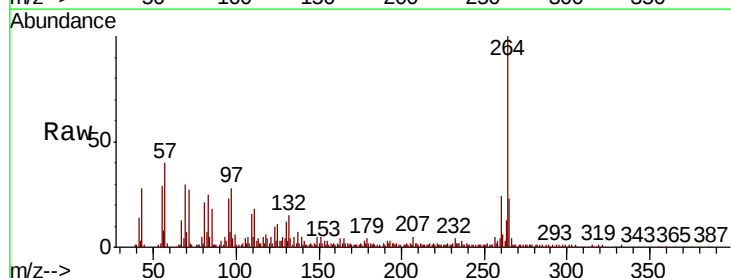
Tgt Ion:264 Resp: 148462

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

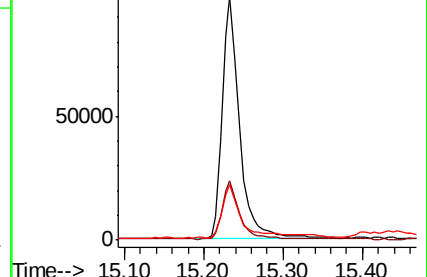
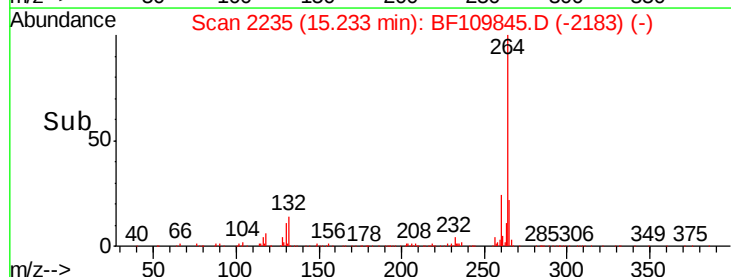
265 22.9 16.7 25.1

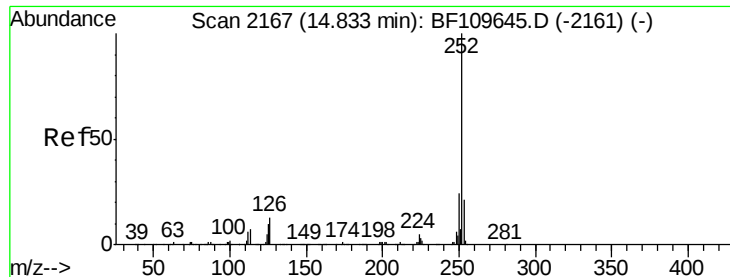


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.324 ng

RT: 14.84 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampleId :

PH-SOIL

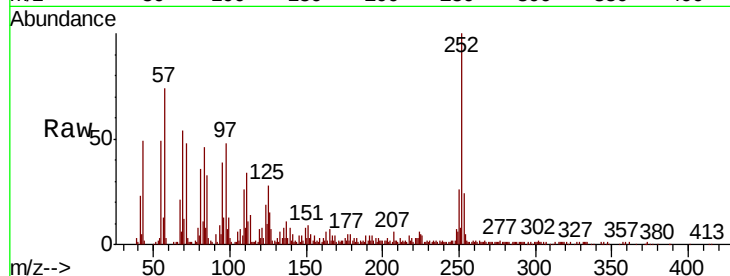
Tgt Ion:252 Resp: 166740

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

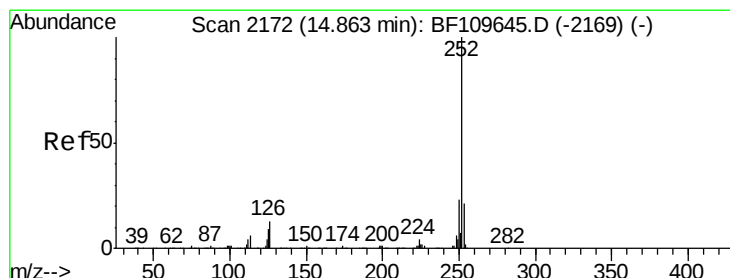
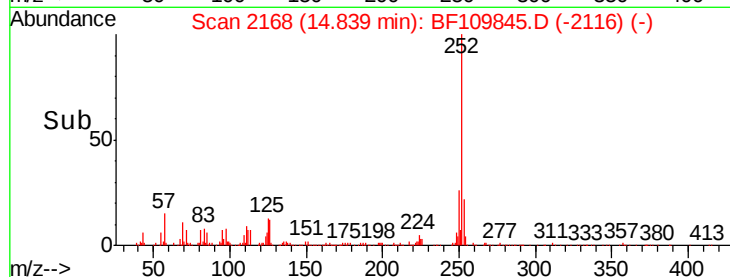
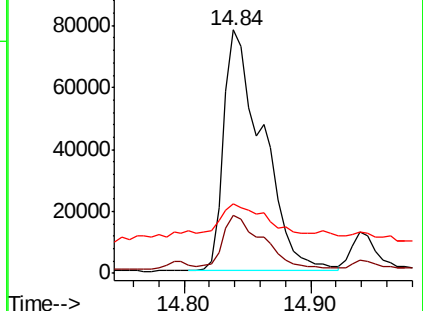
125 28.3 8.2 12.4#



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



#88

Benzo(k)fluoranthene

Concen: 20.227 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

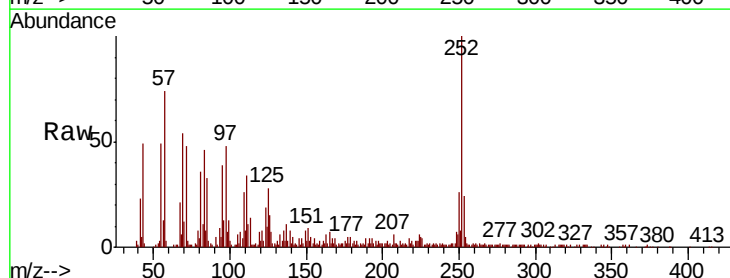
Tgt Ion:252 Resp: 166740

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

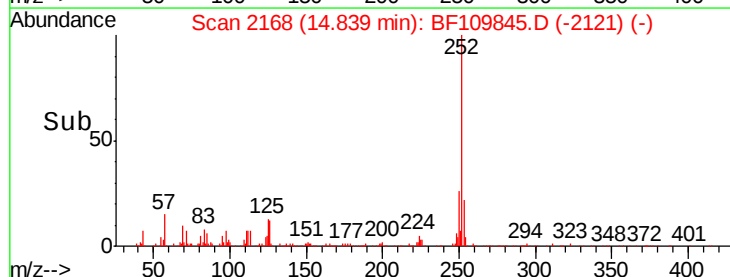
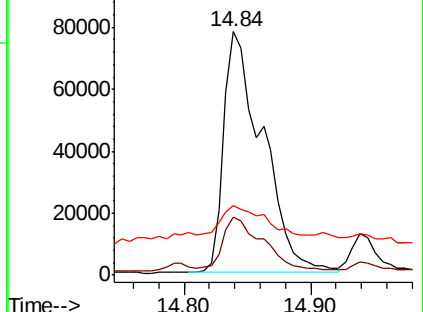
125 28.3 7.4 11.0#

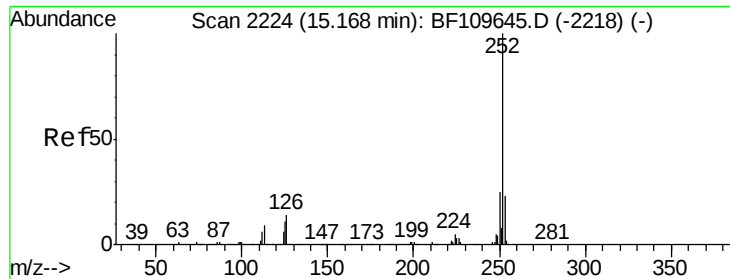


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.204 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampleId :

PH-SOIL

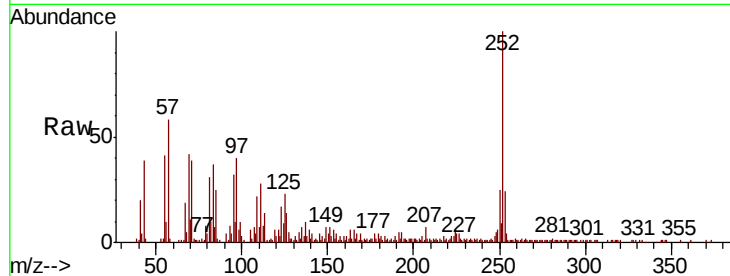
Tgt Ion:252 Resp: 90858

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.4

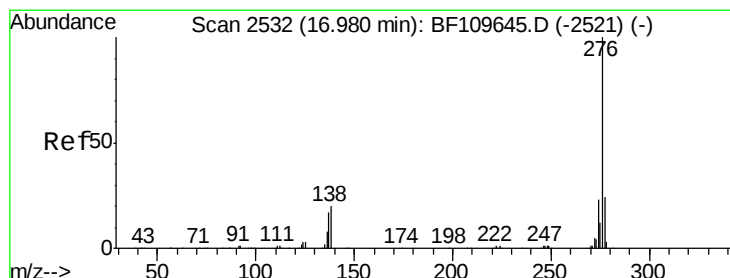
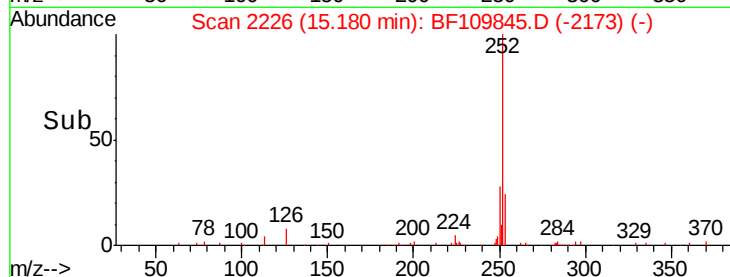
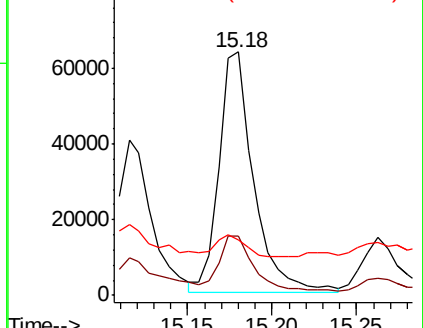
125 22.9 9.0 13.6#



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

Benzo(g,h,i)perylene

Concen: 6.384 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

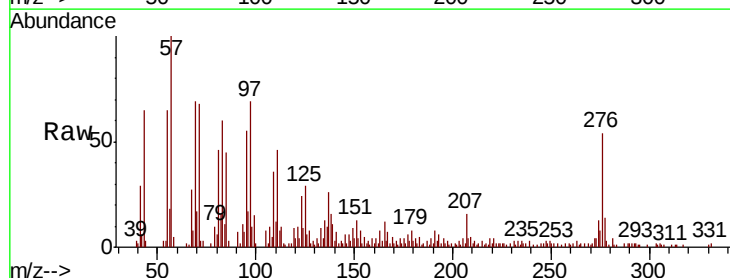
Tgt Ion:276 Resp: 38980

Ion Ratio Lower Upper

276 100

277 26.7 18.8 28.2

138 28.9 16.0 24.0#



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

