

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
 Data File : BF085894.D
 Acq On : 30 Mar 2016 18:56
 Operator : UM/SJ
 Sample : H2025-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-PH3-SOIL-32816

Quant Time: Mar 30 23:46:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	104641	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	411723	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	184933	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	296395	20.00	ng	0.00
75) Chrysene-d12	13.97	240	184756	20.00	ng	0.00
86) Perylene-d12	15.39	264	223805	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	734329	116.87	ng	0.00
7) Phenol-d6	6.44	99	854285	106.94	ng	-0.01
23) Nitrobenzene-d5	7.36	82	526693	72.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	183427	104.39	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	869040	78.51	ng	0.00
78) Terphenyl-d14	12.91	244	504084	56.11	ng	0.00

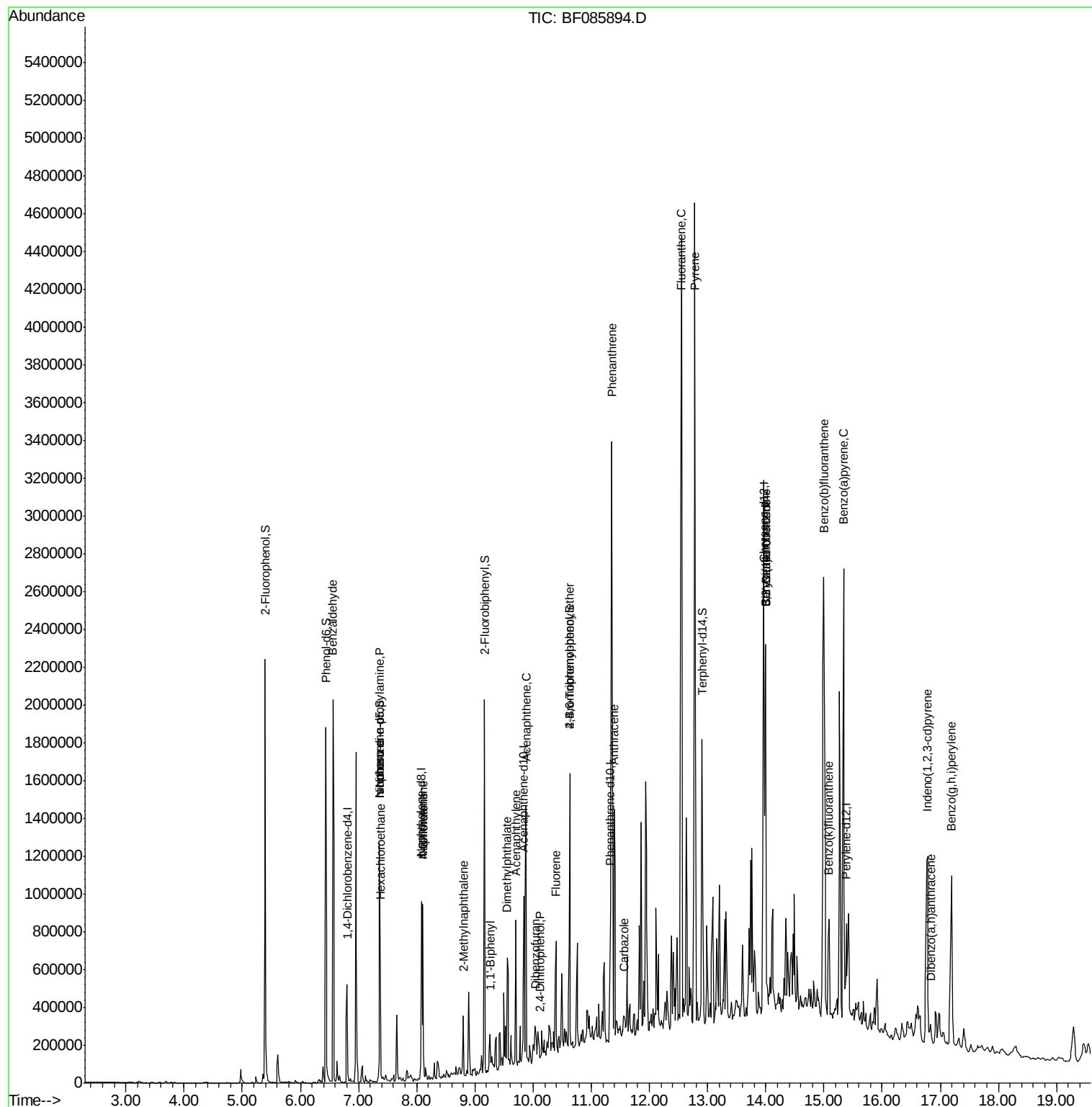
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	15626	3.25	ng	81
18) Hexachloroethane	7.37	117	6155	2.11	ng	# 9
19) n-Nitroso-di-n-propylamine	7.36	70	70848	14.81	ng	# 80
25) Isophorone	7.36	82	496282	35.24	ng	# 68
31) Naphthalene	8.10	128	382836	18.45	ng	99
33) 4-Chloroaniline	8.10	127	50987	6.02	ng	# 33
37) 2-Methylnaphthalene	8.80	142	104941	6.36	ng	99
45) 1,1'-Biphenyl	9.26	154	53236	3.41	ng	98
48) Acenaphthylene	9.70	152	437301	23.39	ng	98
49) Dimethylphthalate	9.56	163	164736	11.74	ng	100
51) Acenaphthene	9.88	154	358619	31.40	ng	98
53) 2,4-Dinitrophenol	10.13	184	542	6.37	ng	# 78
54) Dibenzofuran	10.05	168	39629	2.68	ng	# 94
57) Fluorene	10.39	166	247407	20.13	ng	99
66) 4-Bromophenyl-phenylether	10.63	248	12826	4.23	ng	# 1
70) Phenanthrene	11.35	178	1629414	107.07	ng	99
71) Anthracene	11.40	178	648370	40.58	ng	99
72) Carbazole	11.56	167	32427	2.42	ng	95
74) Fluoranthene	12.55	202	2210594	136.66	ng	93
77) Pyrene	12.78	202	2810267	185.04	ng	97
80) Benzo(a)anthracene	14.00	228	1006878	95.58	ng	94
81) 3,3'-Dichlorobenzidine	14.00	252	37162	5.08	ng	# 1
82) Chrysene	14.00	228	1007866	94.98	ng	98
85) Indeno(1,2,3-cd)pyrene	16.78	276	771653	94.17	ng	94
87) Benzo(b)fluoranthene	15.00	252	1980980	140.51	ng	100
88) Benzo(k)fluoranthene	15.09	252	314432	24.74	ng	98
89) Benzo(a)pyrene	15.34	252	1203610	96.15	ng	98
90) Dibenzo(a,h)anthracene	16.84	278	56420	4.85	ng	96
91) Benzo(g,h,i)perylene	17.19	276	782026	66.40	ng	99

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

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QLast Update : Wed Mar 30 12:31:18 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

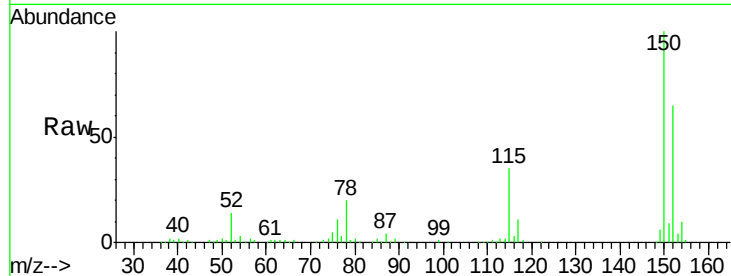
Tgt Ion:152 Resp: 104641

Ion Ratio Lower Upper

152 100

150 154.5 124.2 186.2

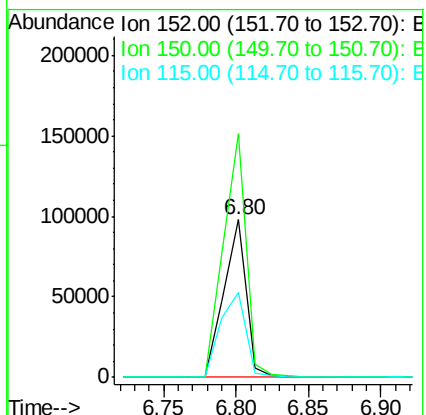
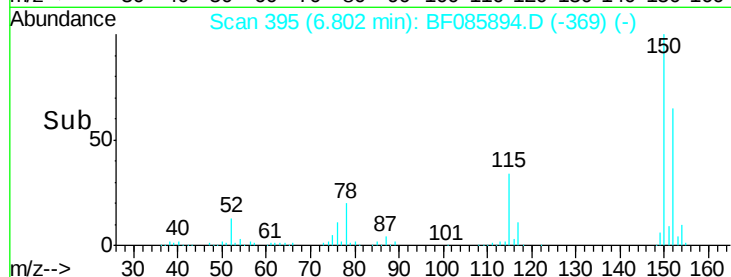
115 53.6 47.0 70.6



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: 116.87 ng

RT: 5.40 min Scan# 272

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

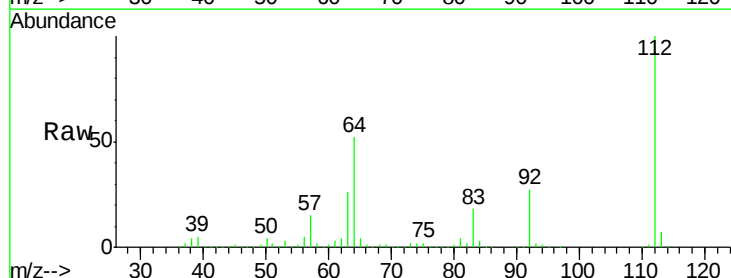
Tgt Ion:112 Resp: 734329

Ion Ratio Lower Upper

112 100

64 52.2 39.9 59.9

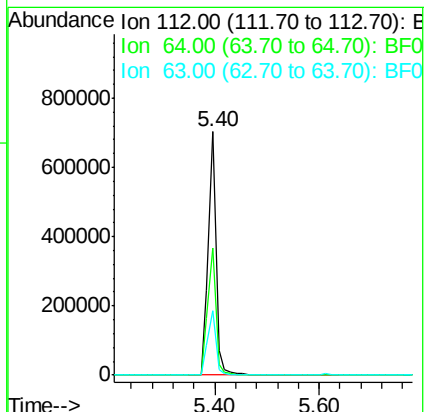
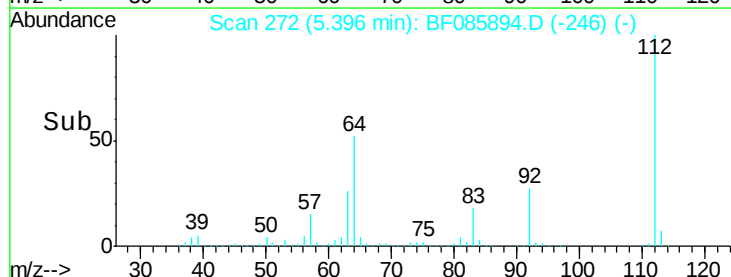
63 26.5 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.94 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

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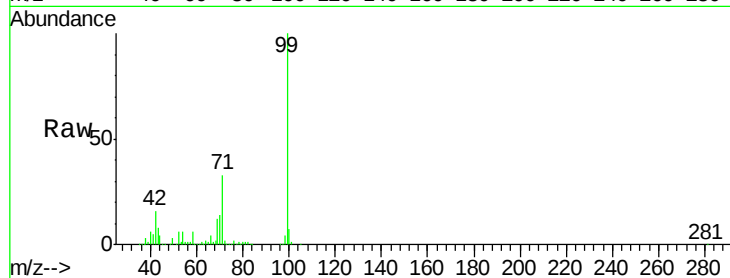
Tgt Ion: 99 Resp: 854285

Ion Ratio Lower Upper

99 100

42 15.9 11.1 16.7

71 33.2 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.44

800000

600000

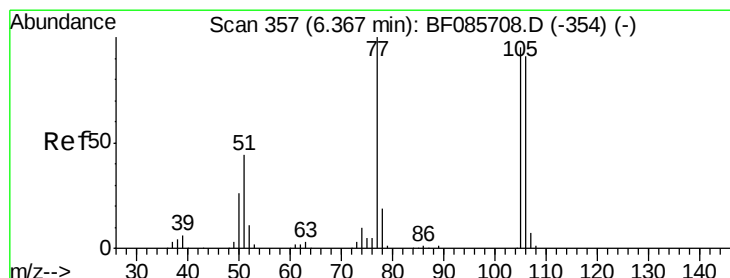
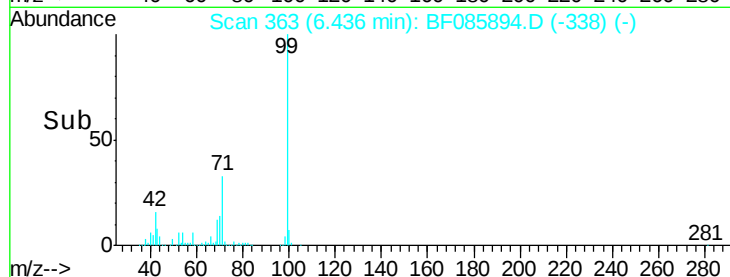
400000

200000

0

6.40 6.50 6.60

Time-->



#9

Benzaldehyde

Concen: 3.25 ng

RT: 6.56 min Scan# 374

Delta R.T. 0.22 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

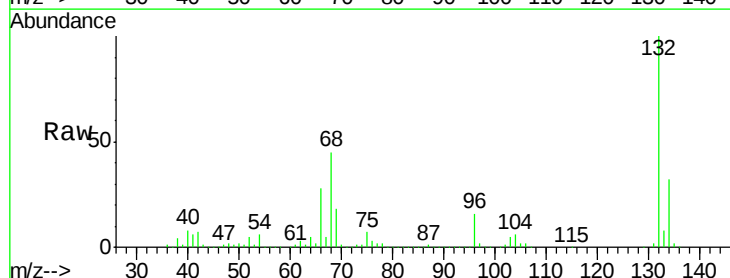
Tgt Ion: 77 Resp: 15626

Ion Ratio Lower Upper

77 100

105 80.8 80.1 120.1

106 76.3 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

15000

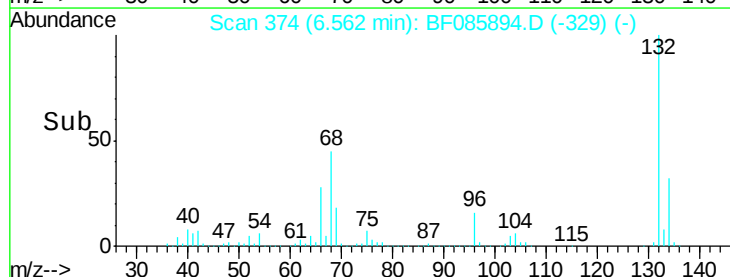
10000

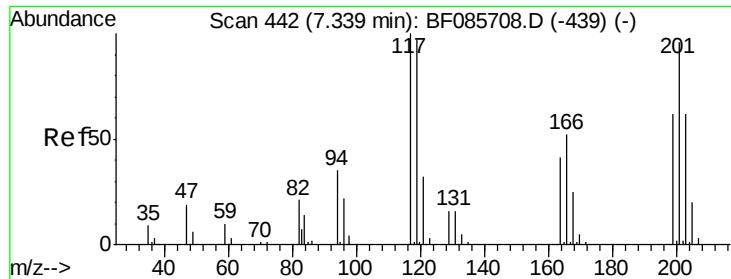
5000

0

6.52 6.54 6.56 6.58 6.60

Time-->

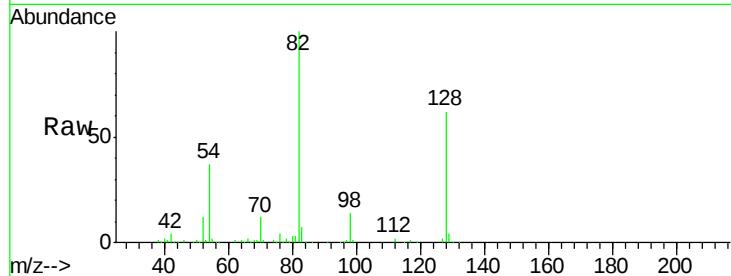




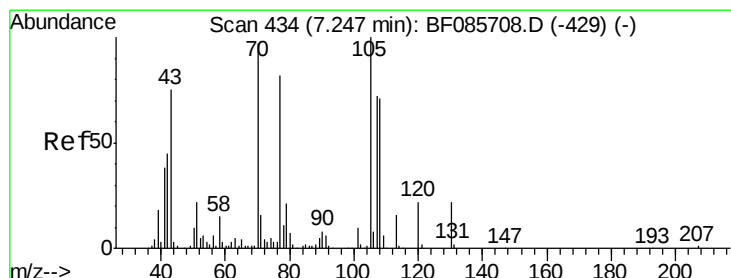
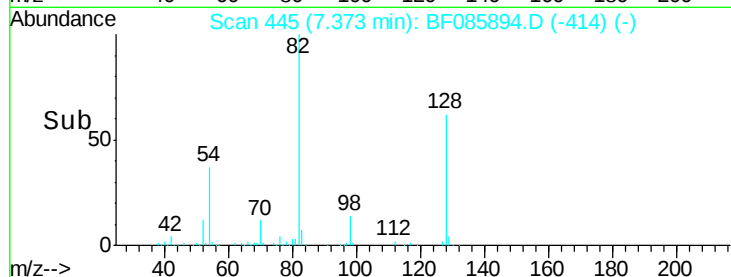
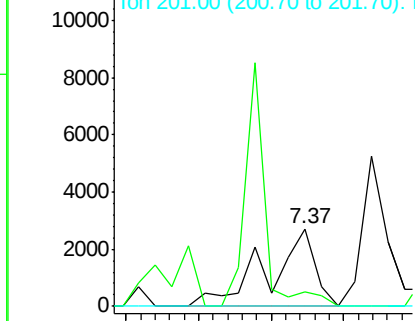
#18
Hexachloroethane
Concen: 2.11 ng
RT: 7.37 min Scan# 445
Delta R.T. 0.06 min
Lab File: BF085894.D
Acq: 30 Mar 2016 18:56

Instrument :
BNA_F
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CS-PH3-SOIL-32816

Tgt Ion: 117 Resp: 6155
Ion Ratio Lower Upper
117 100
119 19.2 76.7 115.1#
201 0.0 83.3 124.9#

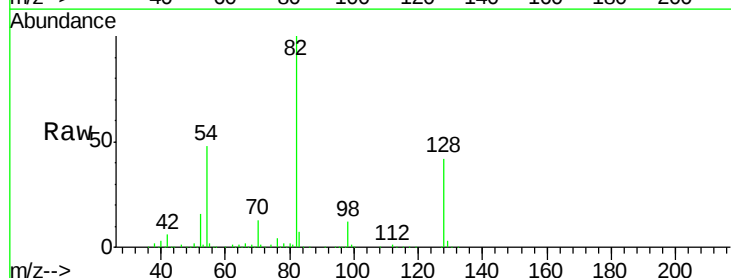


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

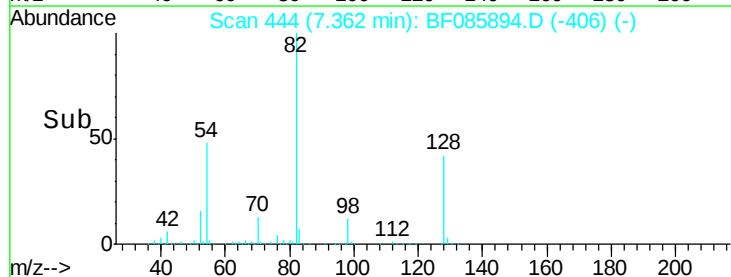
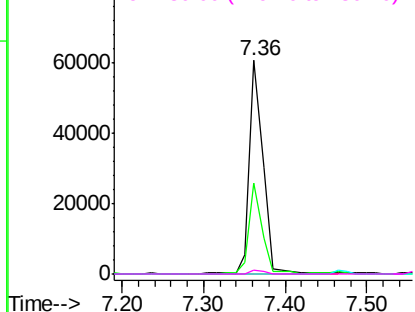


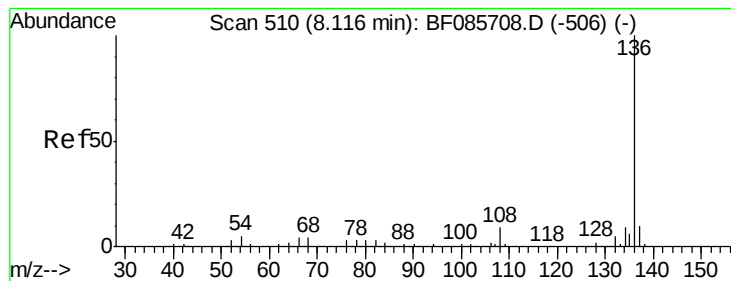
#19
n-Nitroso-di-n-propylamine
Concen: 14.81 ng
RT: 7.36 min Scan# 444
Delta R.T. 0.14 min
Lab File: BF085894.D
Acq: 30 Mar 2016 18:56

Tgt Ion: 70 Resp: 70848
Ion Ratio Lower Upper
70 100
42 42.7 37.1 55.7
101 0.0 8.6 12.8#
130 2.1 19.6 29.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

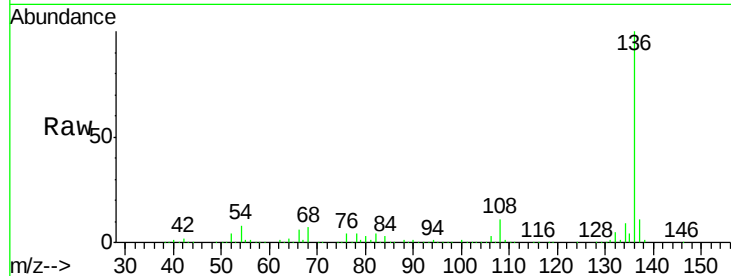




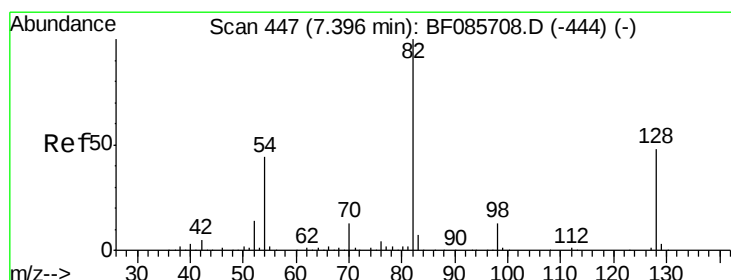
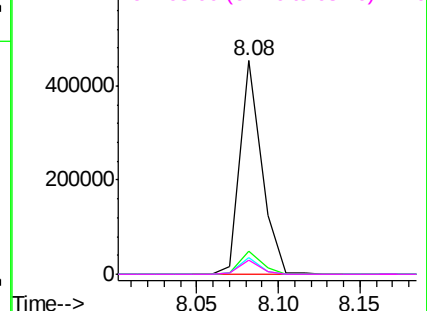
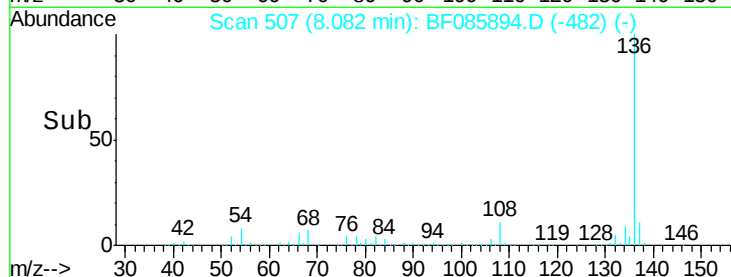
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF085894.D
Acq: 30 Mar 2016 18:56

Instrument :
BNA_F
ClientSampleId :
CS-PH3-SOIL-32816

Tgt Ion:	136	Resp:	411723
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.0	7.4	11.0
68	6.8	5.8	8.8

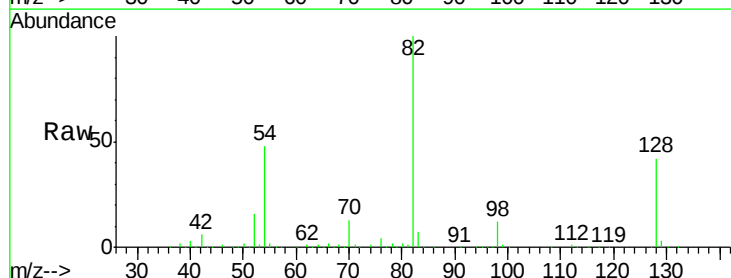


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

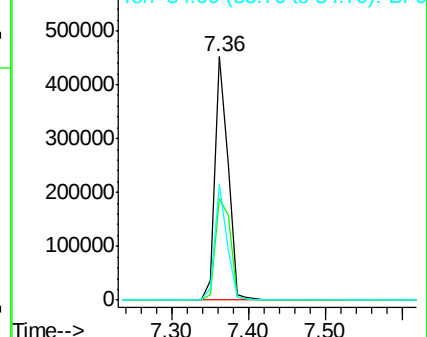
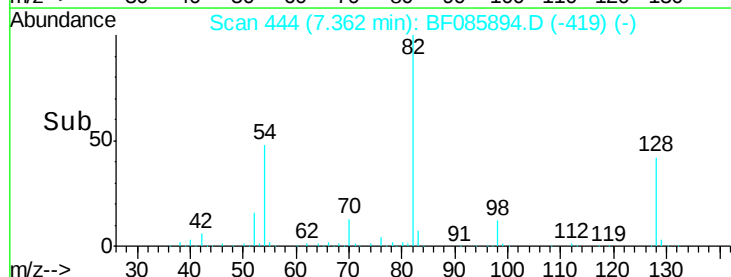


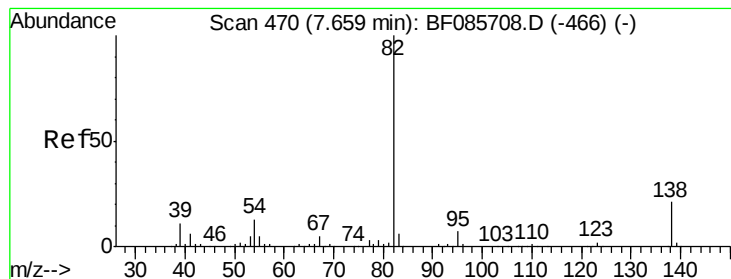
#23
Nitrobenzene-d5
Concen: 72.04 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085894.D
Acq: 30 Mar 2016 18:56

Tgt Ion:	82	Resp:	526693
Ion	Ratio	Lower	Upper
82	100		
128	41.5	41.8	62.8#
54	47.6	33.4	50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.24 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

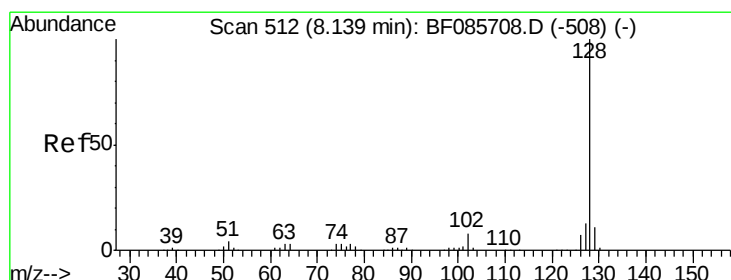
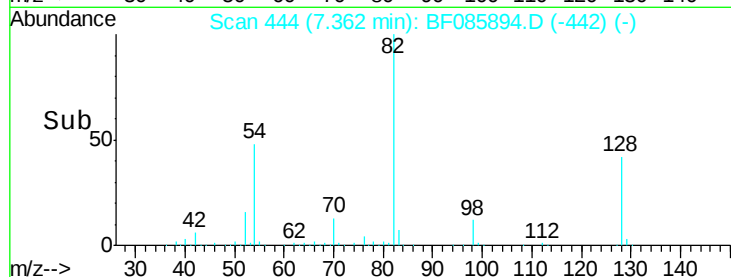
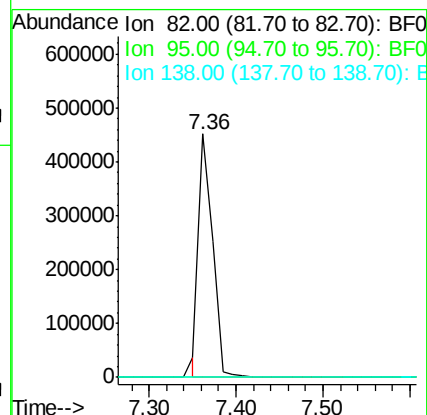
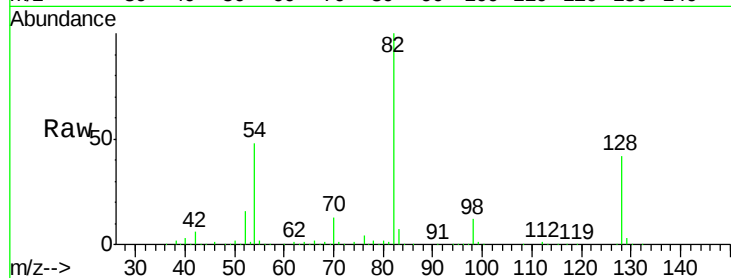
Tgt Ion: 82 Resp: 496282

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 12.9 19.3#



#31

Naphthalene

Concen: 18.45 ng

RT: 8.10 min Scan# 509

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

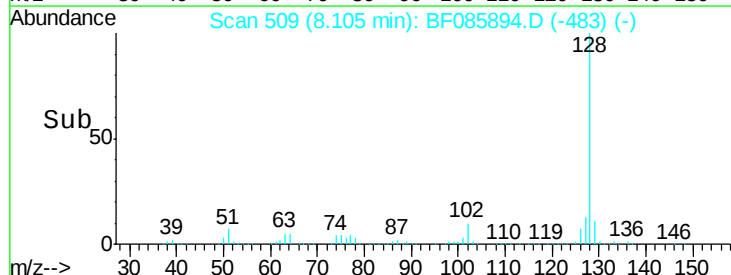
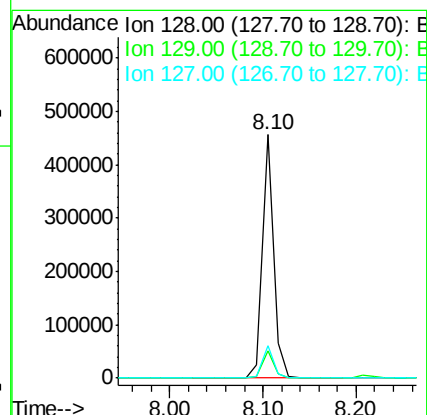
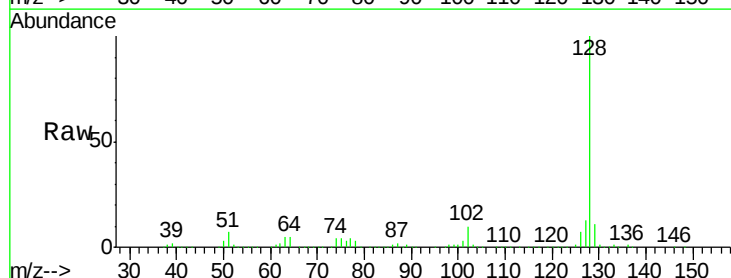
Tgt Ion: 128 Resp: 382836

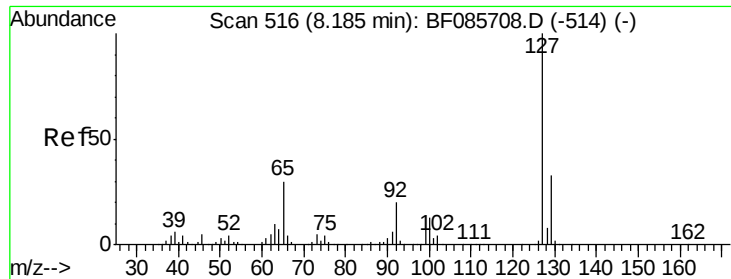
Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.0

127 13.3 11.0 16.6

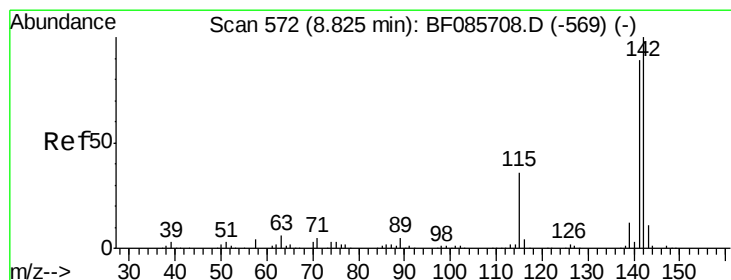
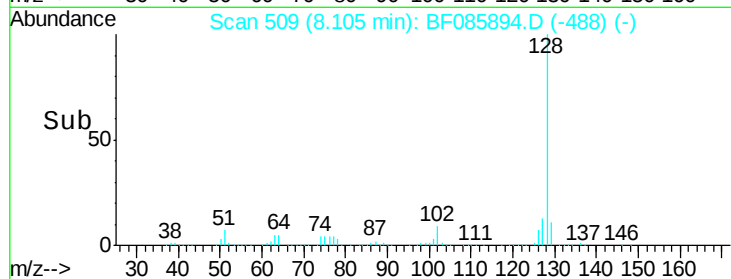
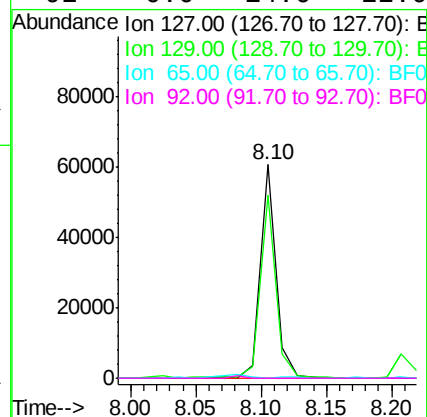
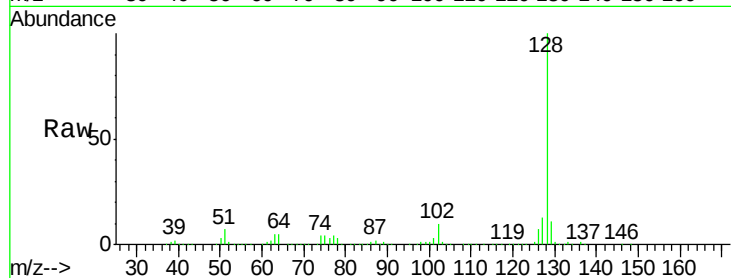




#33
4-Chloroaniline
Concen: 6.02 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.06 min
Lab File: BF085894.D
Acq: 30 Mar 2016 18:56

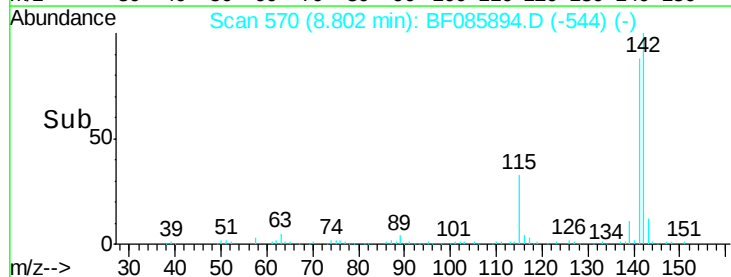
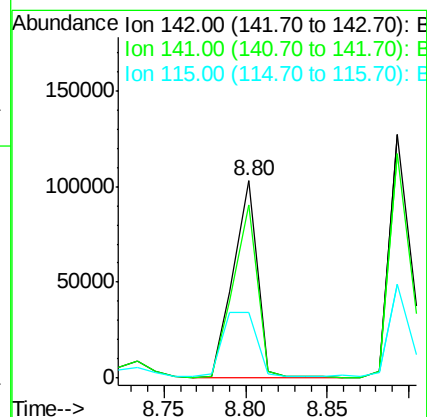
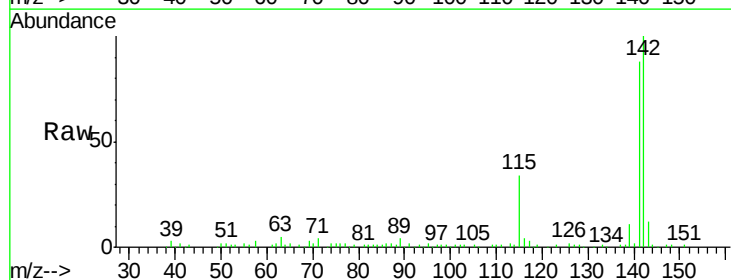
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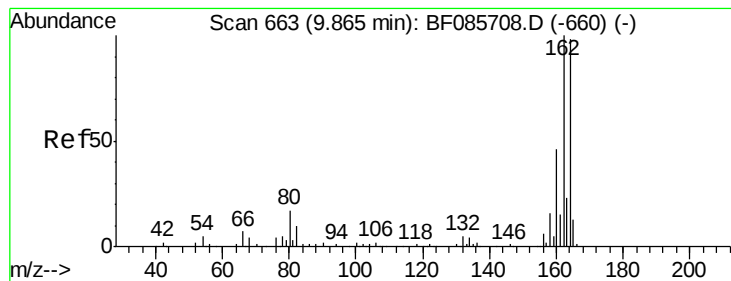
Tgt Ion:	127	Resp:	50987
Ion	Ratio	Lower	Upper
127	100		
129	85.8	26.1	39.1#
65	0.0	19.5	29.3#
92	0.0	14.6	22.0#



#37
2-Methylnaphthalene
Concen: 6.36 ng
RT: 8.80 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF085894.D
Acq: 30 Mar 2016 18:56

Tgt Ion:	142	Resp:	104941
Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.6	107.4
115	33.6	26.8	40.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

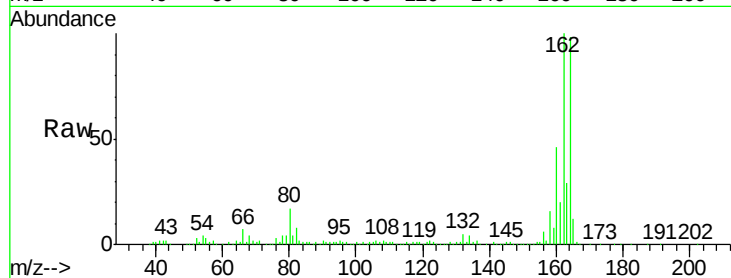
Tgt Ion:164 Resp: 184933

Ion Ratio Lower Upper

164 100

162 102.4 82.1 123.1

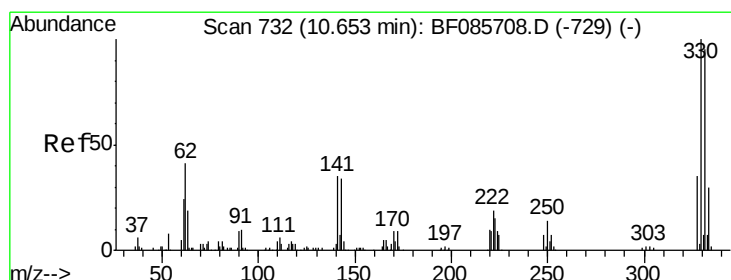
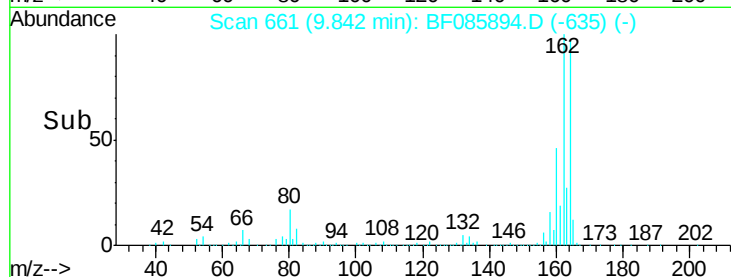
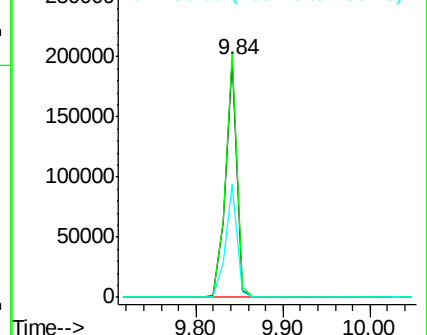
160 47.5 37.4 56.2



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: 104.39 ng

RT: 10.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

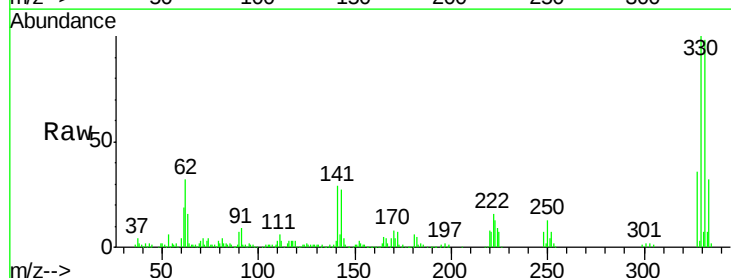
Tgt Ion:330 Resp: 183427

Ion Ratio Lower Upper

330 100

332 97.7 78.2 117.2

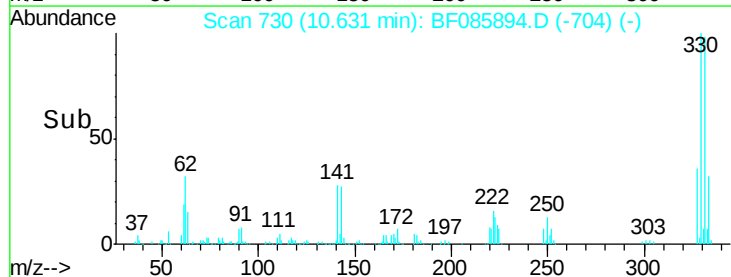
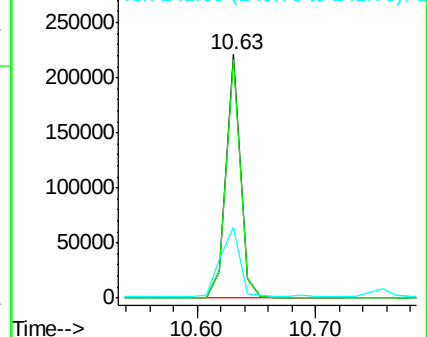
141 39.6 31.5 47.3

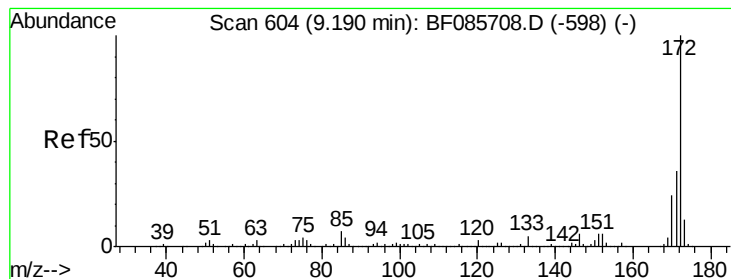


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 78.51 ng

RT: 9.17 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

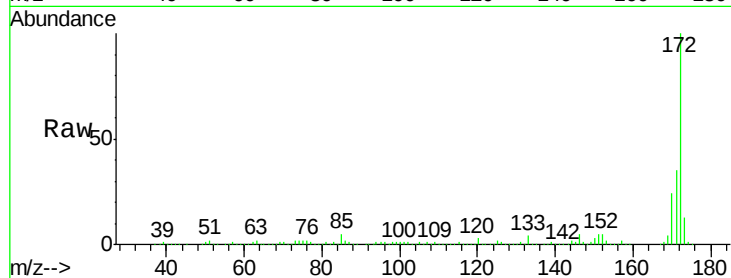
Tgt Ion:172 Resp: 869040

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.2

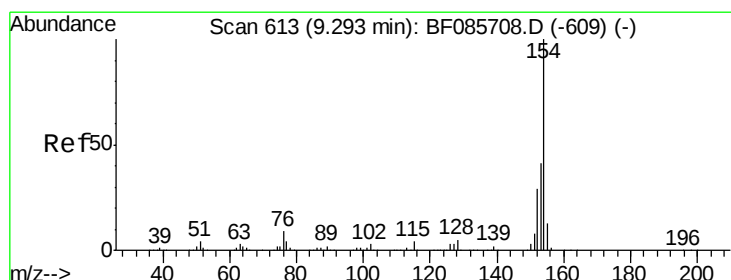
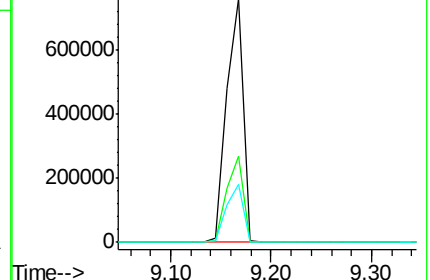
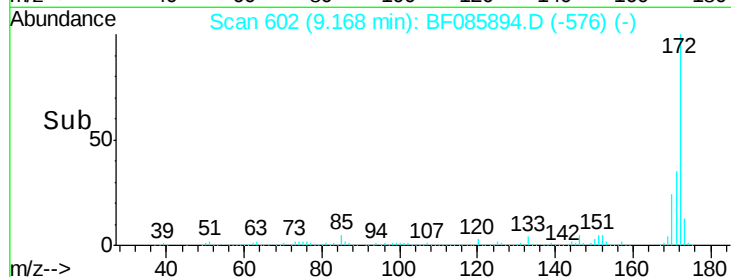
170 23.9 19.8 29.6



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



#45

1,1'-Biphenyl

Concen: 3.41 ng

RT: 9.26 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

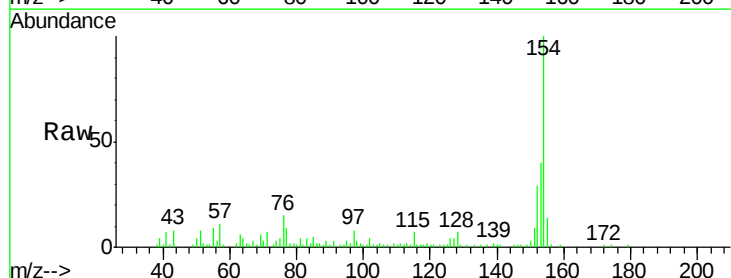
Tgt Ion:154 Resp: 53236

Ion Ratio Lower Upper

154 100

153 40.5 20.8 60.8

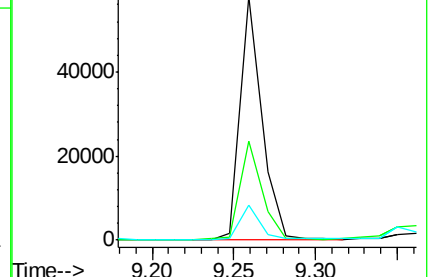
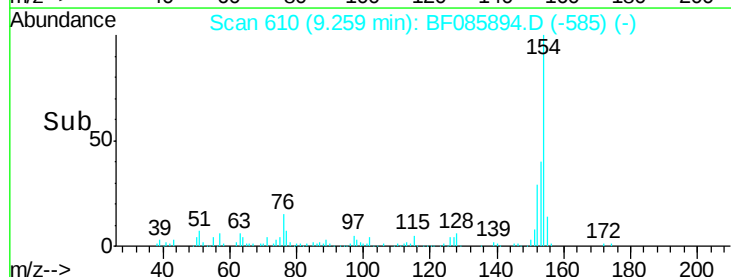
76 14.5 0.0 36.7

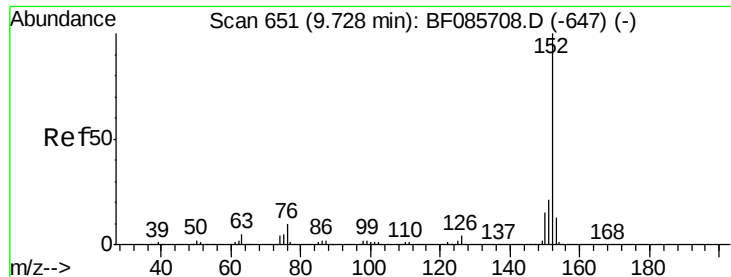


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 23.39 ng

RT: 9.70 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

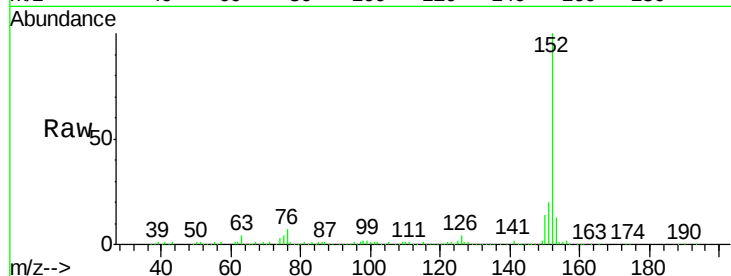
Tgt Ion:152 Resp: 437301

Ion Ratio Lower Upper

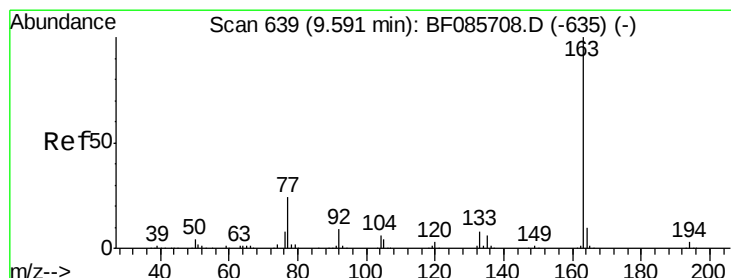
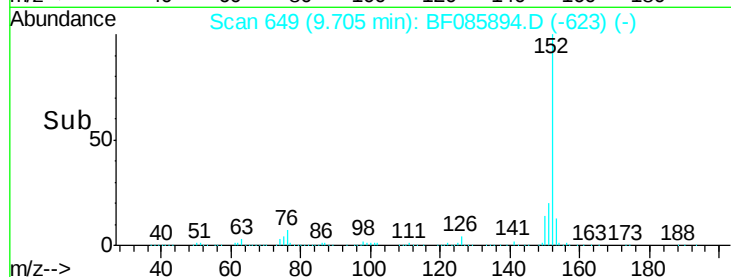
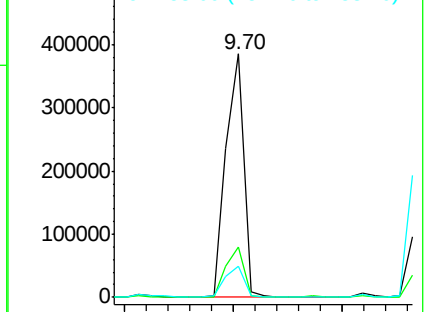
152 100

151 20.4 16.8 25.2

153 12.7 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.74 ng

RT: 9.56 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

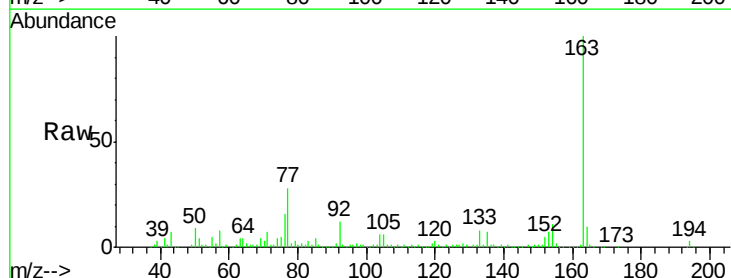
Tgt Ion:163 Resp: 164736

Ion Ratio Lower Upper

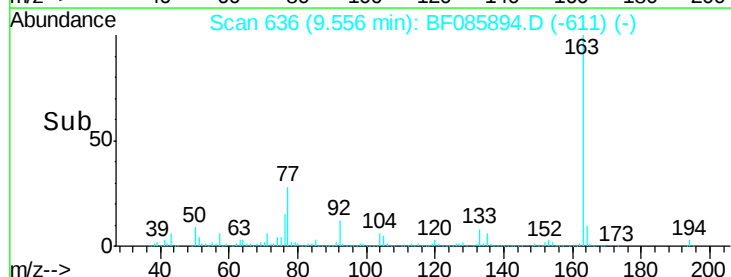
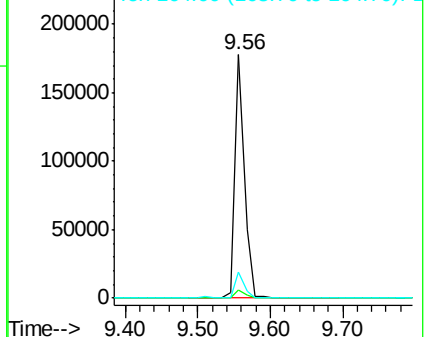
163 100

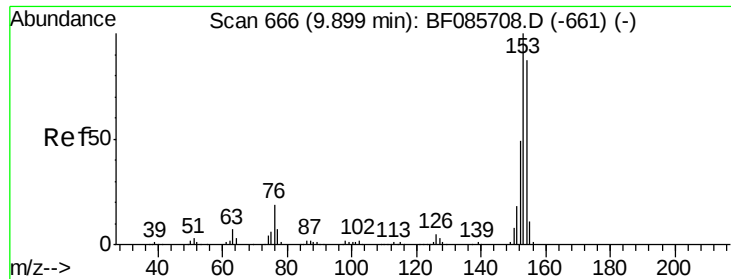
194 3.3 2.9 4.3

164 10.5 8.3 12.5



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





#51

Acenaphthene

Concen: 31.40 ng

RT: 9.88 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

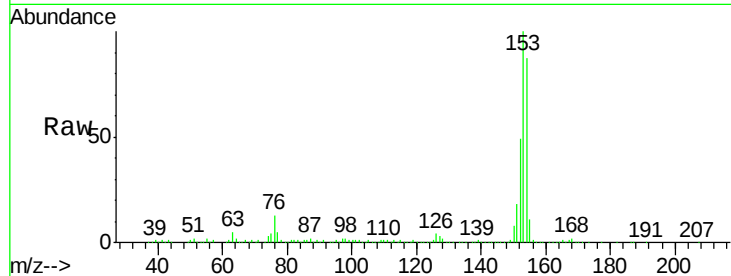
Tgt Ion:154 Resp: 358619

Ion Ratio Lower Upper

154 100

153 114.9 90.1 135.1

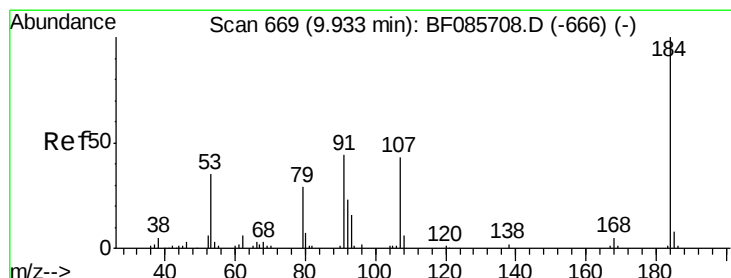
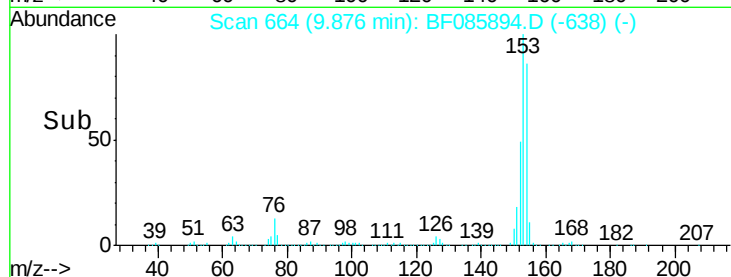
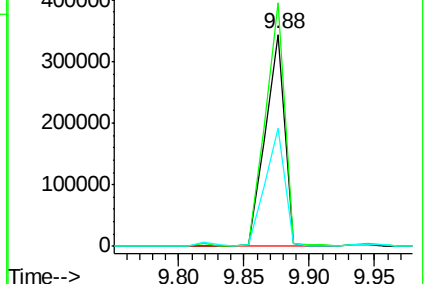
152 56.1 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 6.37 ng

RT: 10.13 min Scan# 686

Delta R.T. 0.21 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

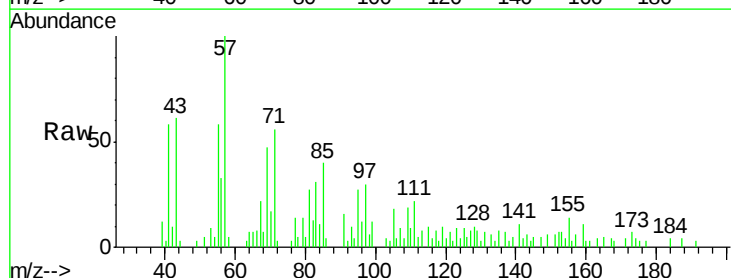
Tgt Ion:184 Resp: 542

Ion Ratio Lower Upper

184 100

63 75.3 69.5 104.3

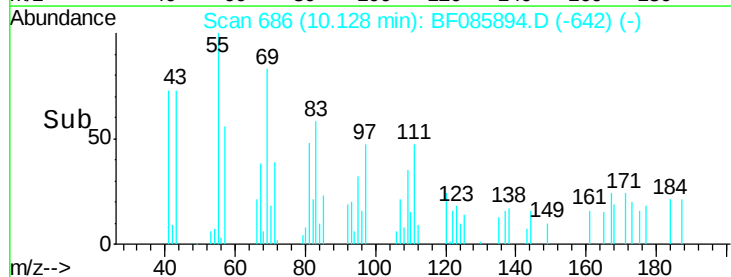
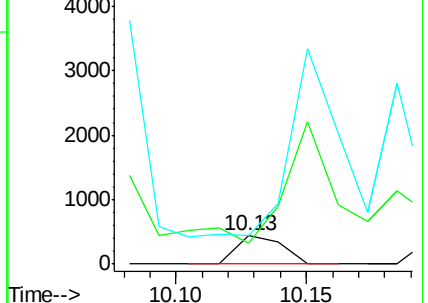
154 101.6 58.3 87.5#

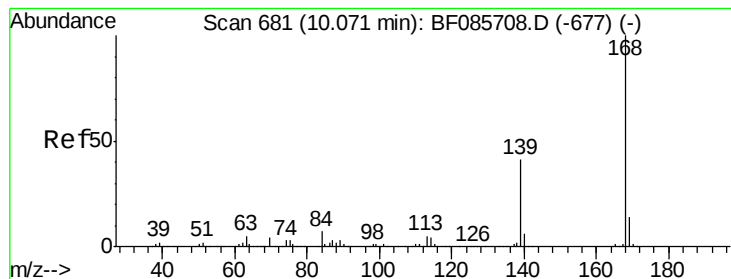


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.68 ng

RT: 10.05 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

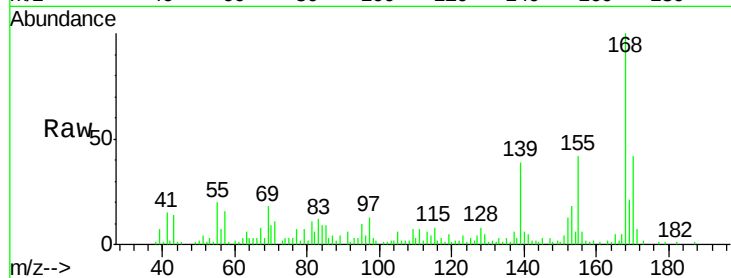
Tgt Ion:168 Resp: 39629

Ion Ratio Lower Upper

168 100

139 39.0 31.9 47.9

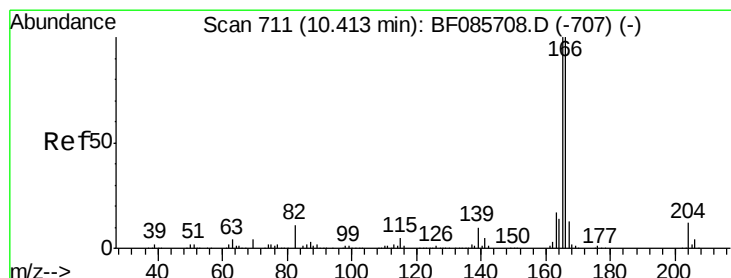
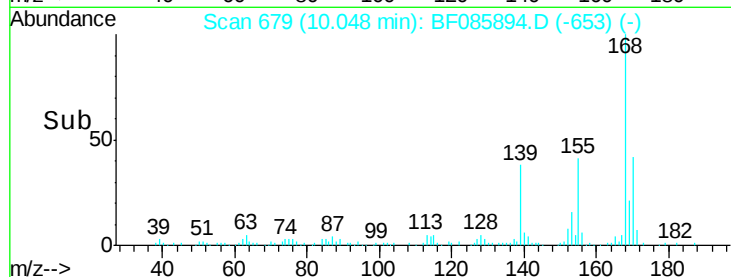
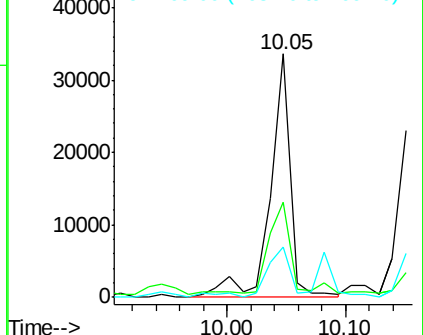
169 20.9 11.0 16.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 20.13 ng

RT: 10.39 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

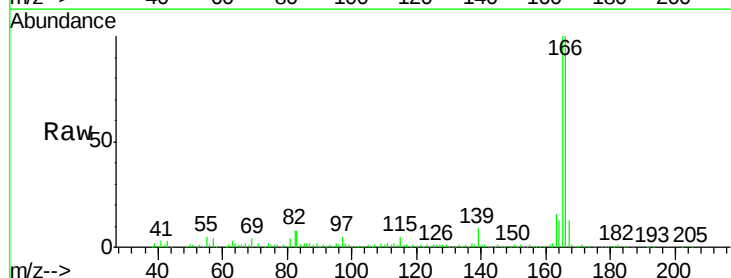
Tgt Ion:166 Resp: 247407

Ion Ratio Lower Upper

166 100

165 100.1 79.4 119.0

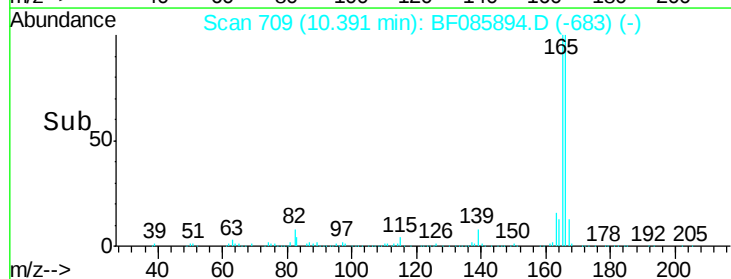
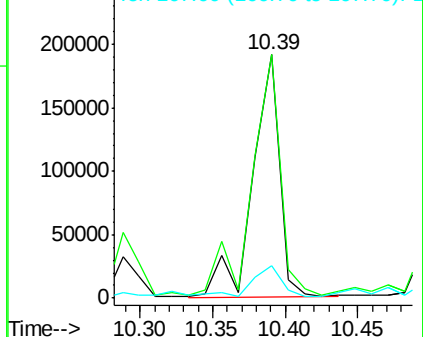
167 13.1 11.0 16.4

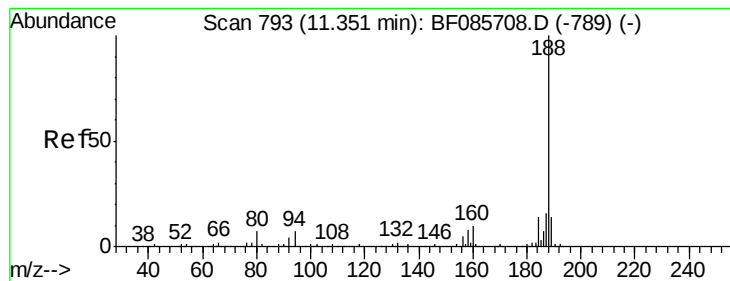


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

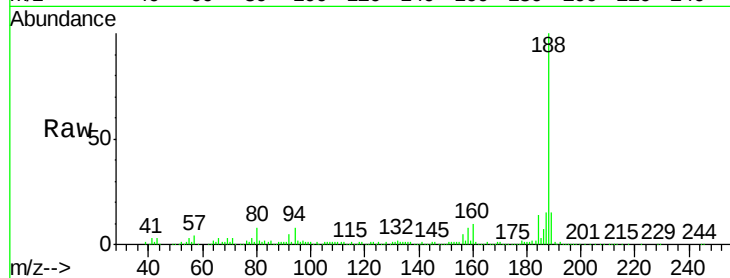
Tgt Ion:188 Resp: 296395

Ion Ratio Lower Upper

188 100

94 8.2 5.4 8.0#

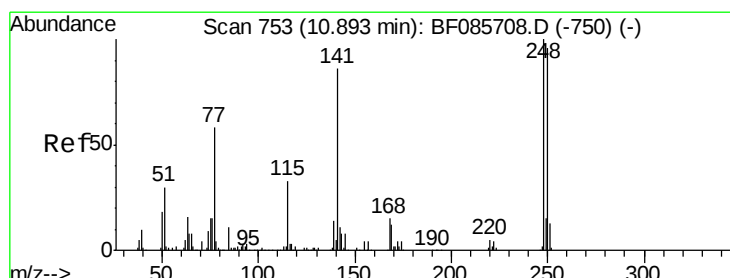
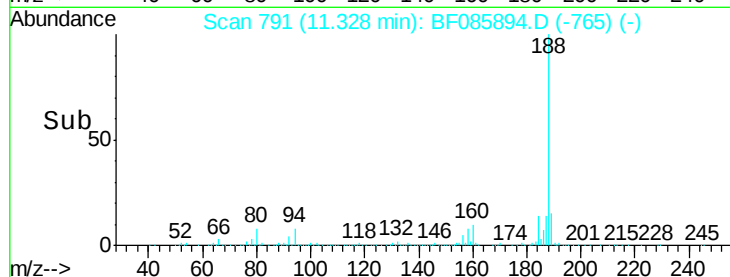
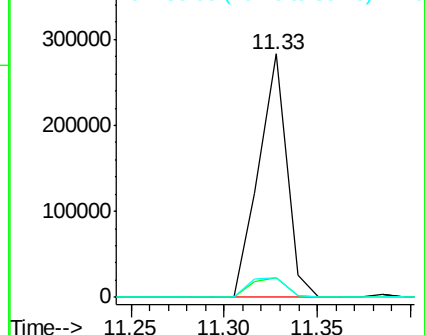
80 8.3 5.5 8.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 4.23 ng

RT: 10.63 min Scan# 730

Delta R.T. -0.24 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

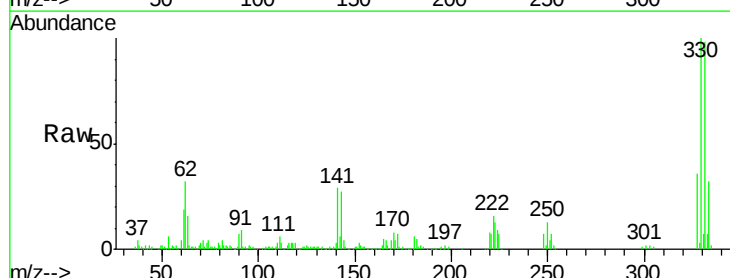
Tgt Ion:248 Resp: 12826

Ion Ratio Lower Upper

248 100

250 197.0 77.4 116.0#

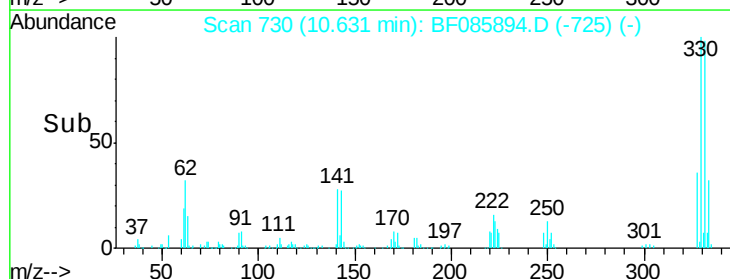
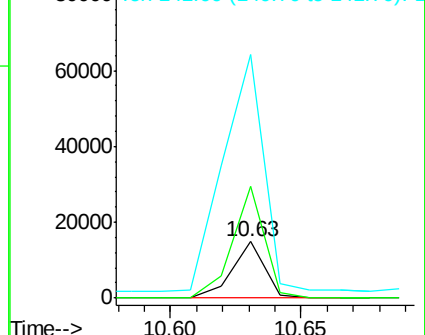
141 430.6 63.6 95.4#

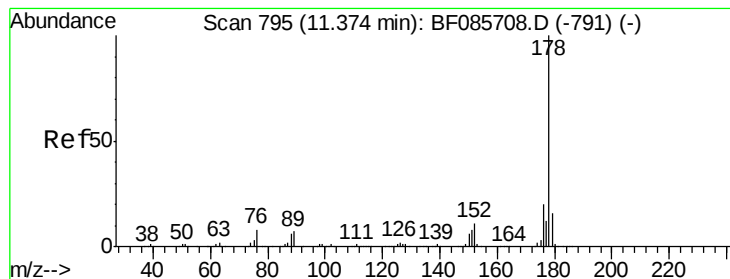


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 107.07 ng

RT: 11.35 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

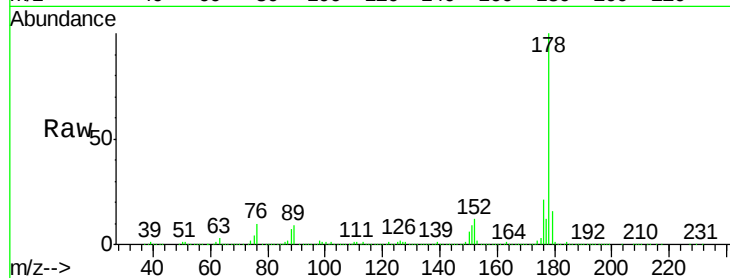
Tgt Ion:178 Resp: 1629414

Ion Ratio Lower Upper

178 100

176 20.7 16.3 24.5

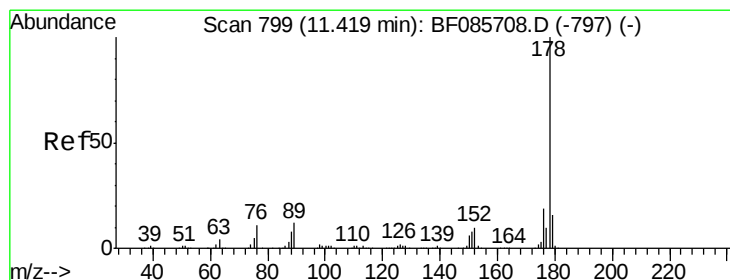
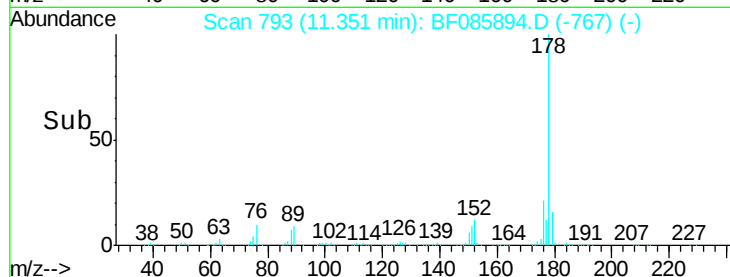
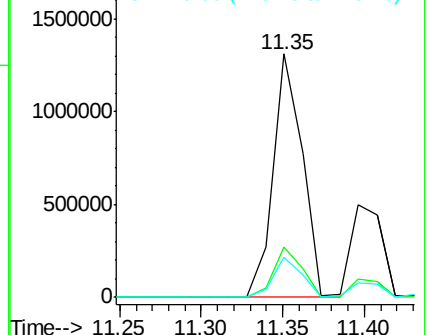
179 16.4 12.6 18.8



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



#71

Anthracene

Concen: 40.58 ng

RT: 11.40 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

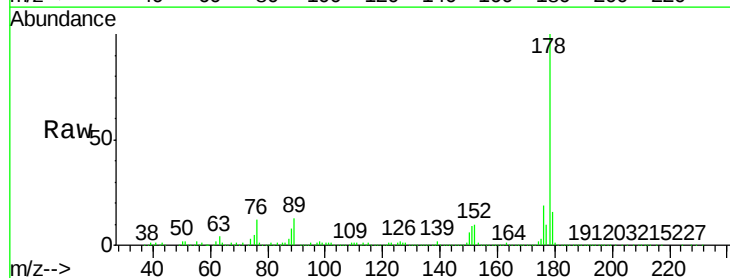
Tgt Ion:178 Resp: 648370

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

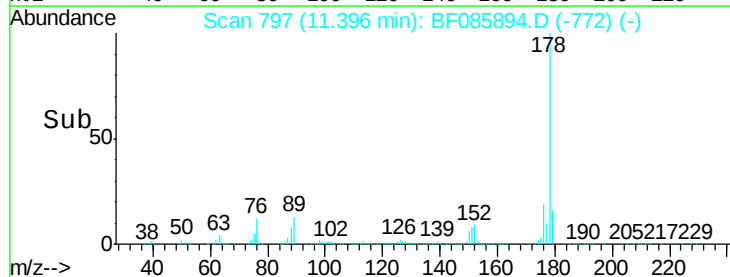
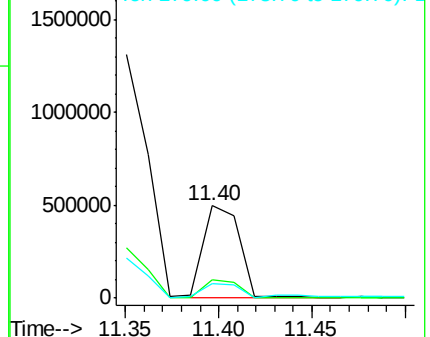
179 16.2 13.0 19.4

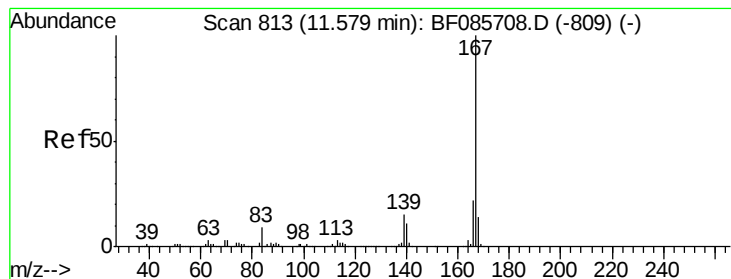


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.42 ng

RT: 11.56 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

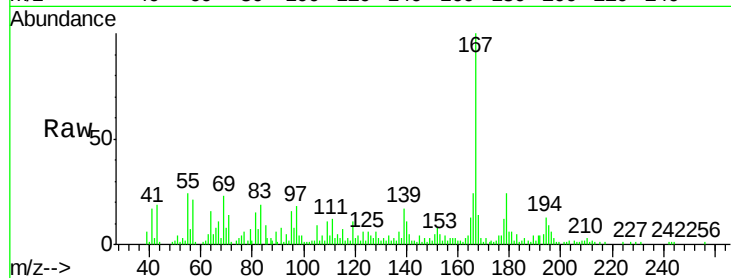
Tgt Ion:167 Resp: 32427

Ion Ratio Lower Upper

167 100

166 24.5 17.8 26.8

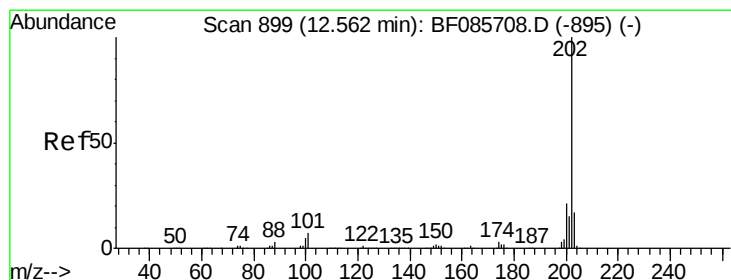
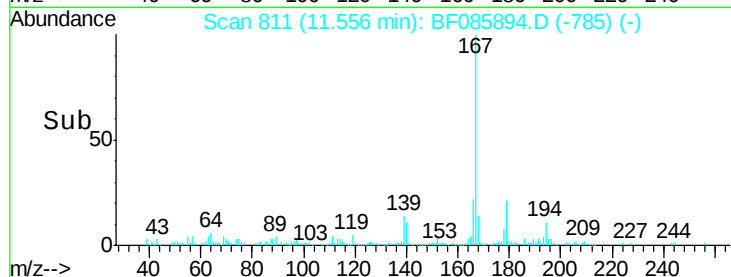
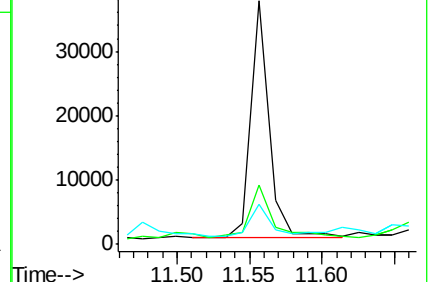
139 16.5 11.6 17.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 136.66 ng

RT: 12.55 min Scan# 898

Delta R.T. 0.01 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

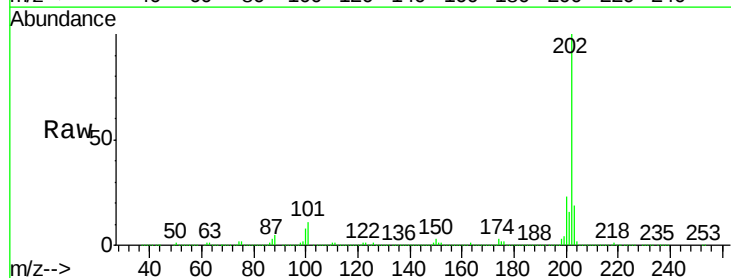
Tgt Ion:202 Resp: 2210594

Ion Ratio Lower Upper

202 100

101 10.6 0.0 36.6

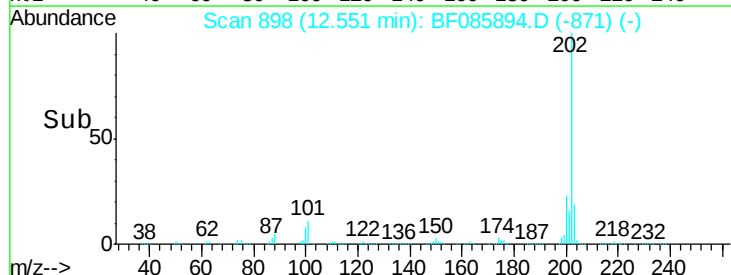
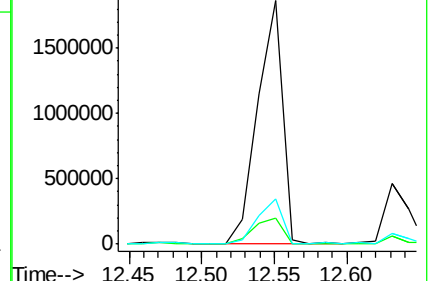
203 18.6 0.0 38.1

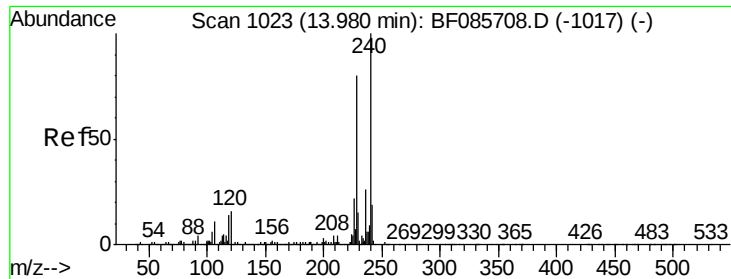


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

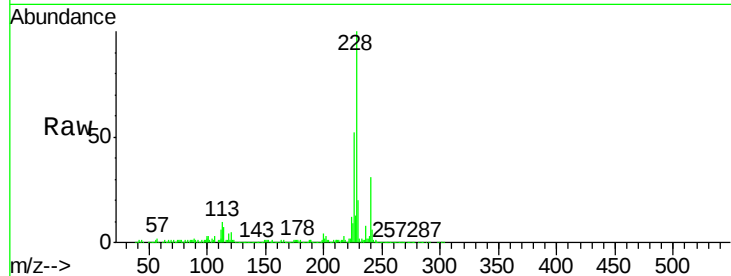
Tgt Ion:240 Resp: 184756

Ion Ratio Lower Upper

240 100

120 15.8 13.8 20.8

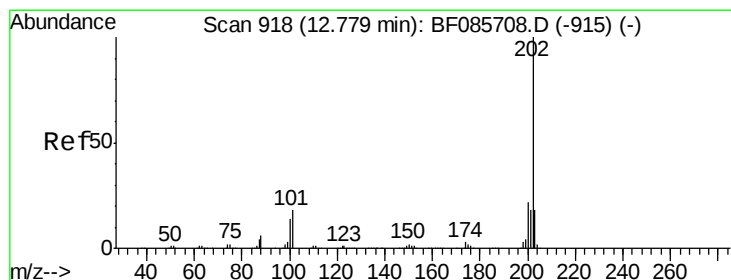
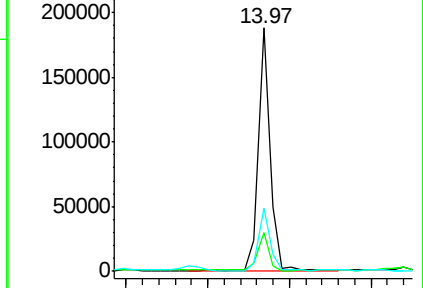
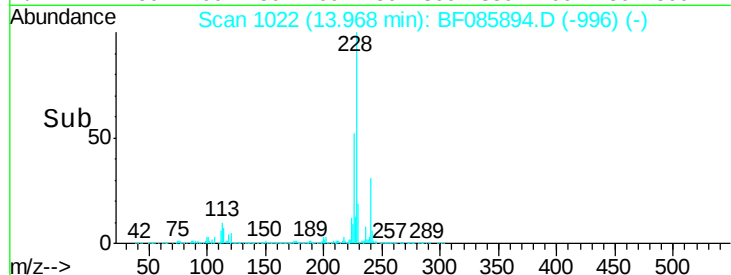
236 25.8 20.6 30.8



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: 185.04 ng

RT: 12.78 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

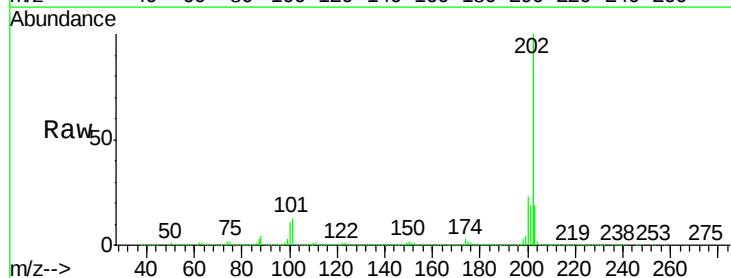
Tgt Ion:202 Resp: 2810267

Ion Ratio Lower Upper

202 100

200 23.3 17.6 26.4

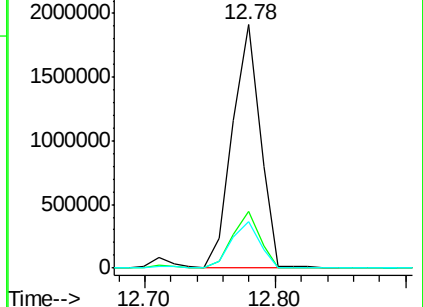
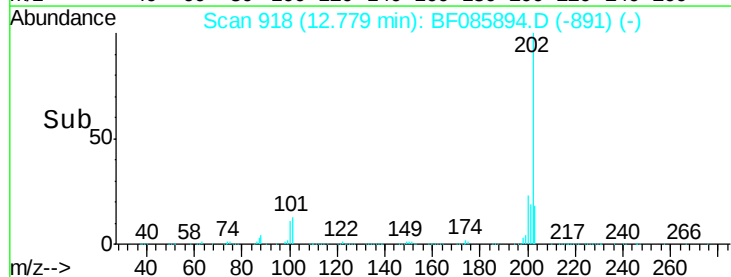
203 18.9 14.0 21.0

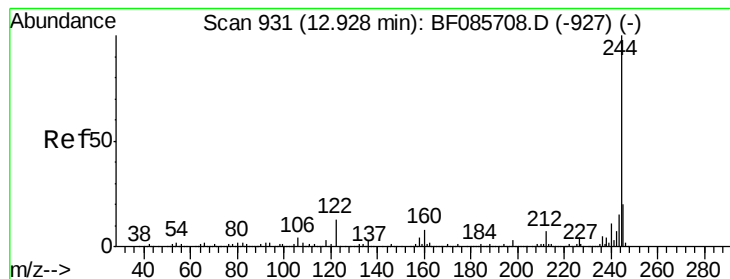


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.11 ng

RT: 12.91 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

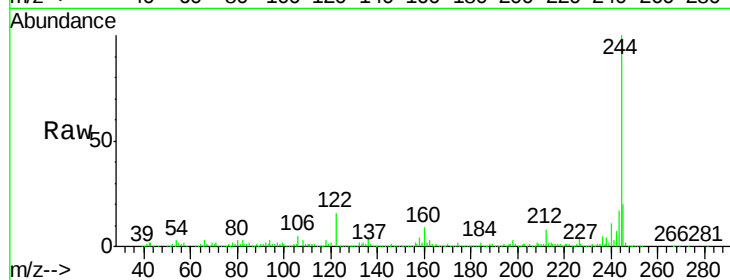
Tgt Ion:244 Resp: 504084

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

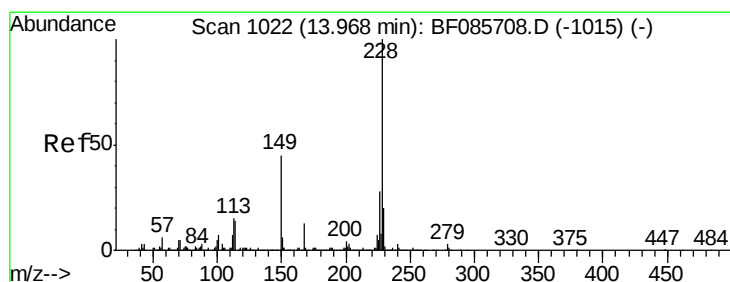
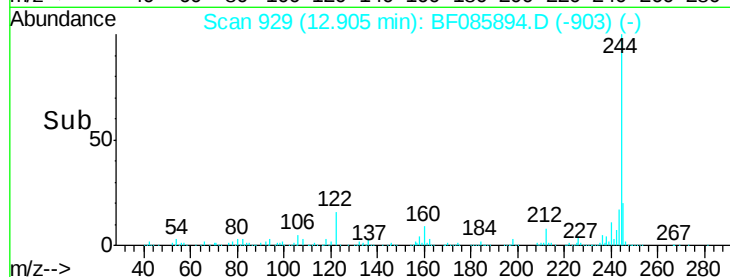
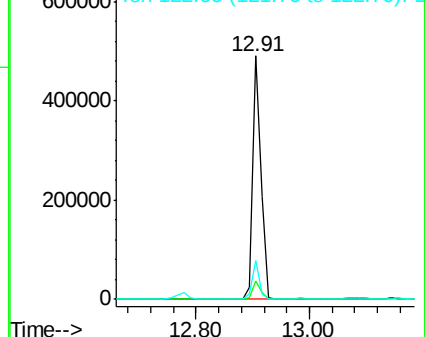
122 15.7 10.2 15.4#



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: 95.58 ng

RT: 14.00 min Scan# 1025

Delta R.T. 0.05 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

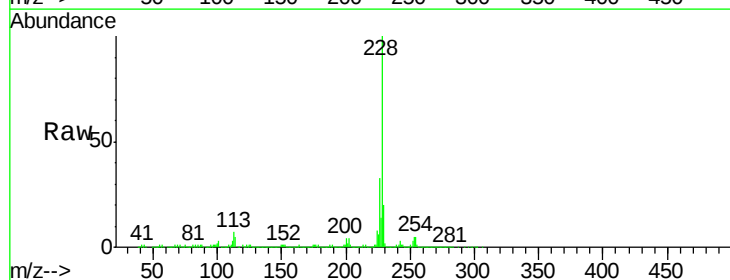
Tgt Ion:228 Resp: 1006878

Ion Ratio Lower Upper

228 100

226 32.6 22.1 33.1

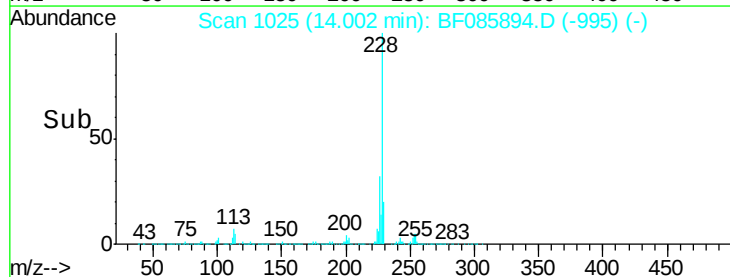
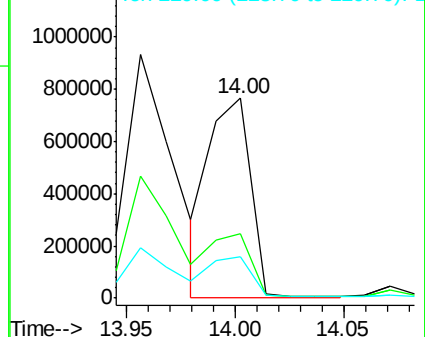
229 20.4 16.2 24.4

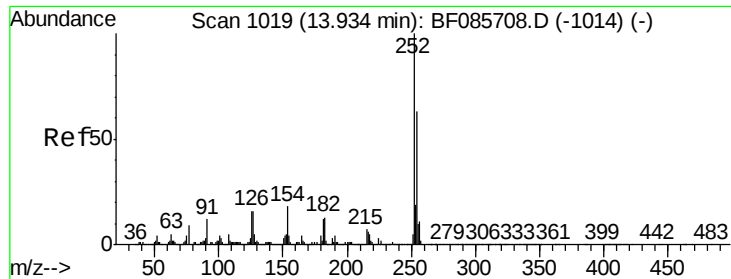


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

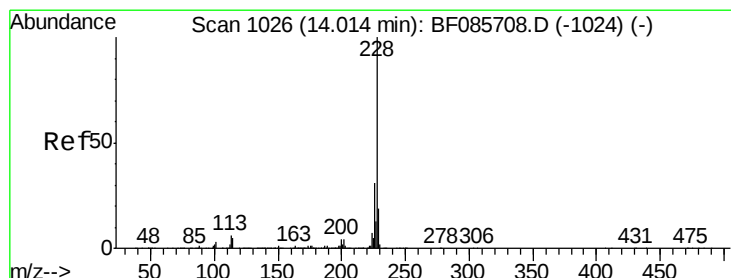
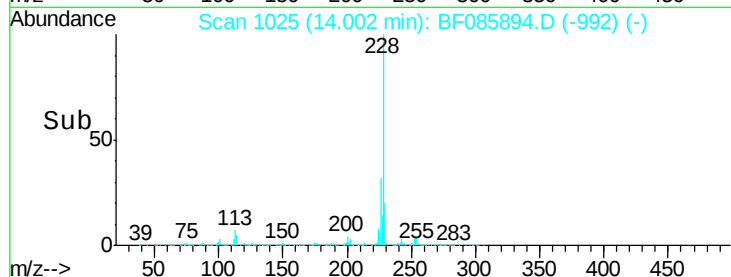
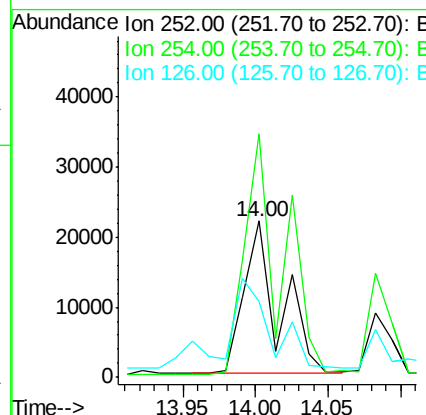
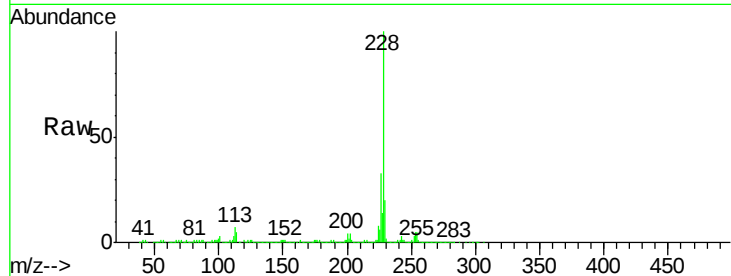




#81
 3,3'-Dichlorobenzidine
 Concen: 5.08 ng
 RT: 14.00 min Scan# 1025
 Delta R.T. 0.08 min
 Lab File: BF085894.D
 Acq: 30 Mar 2016 18:56

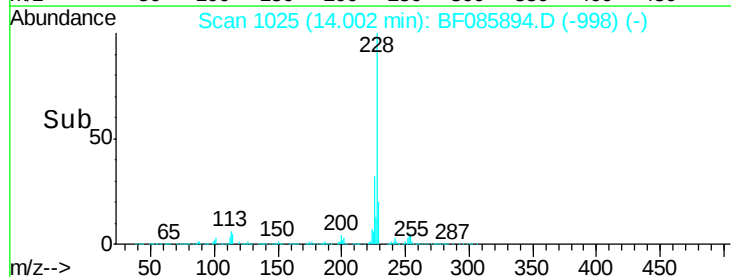
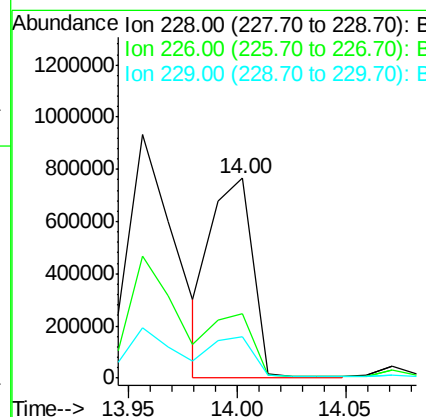
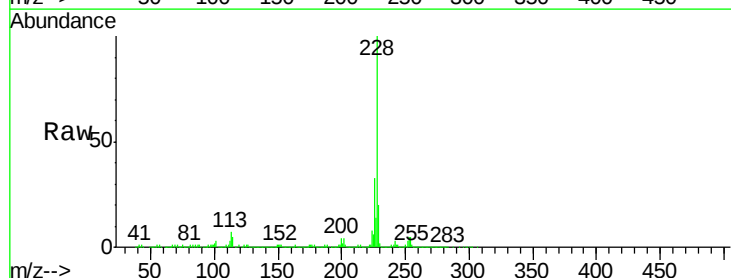
Instrument :
 BNA_F
 ClientSampleId :
 CS-PH3-SOIL-32816

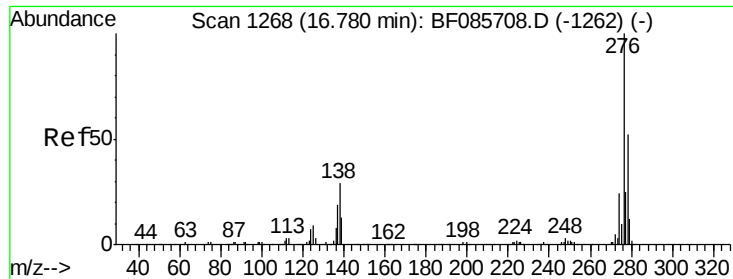
Tgt Ion:252 Resp: 37162
 Ion Ratio Lower Upper
 252 100
 254 155.9 50.7 76.1#
 126 48.5 11.8 17.6#



#82
 Chrysene
 Concen: 94.98 ng
 RT: 14.00 min Scan# 1025
 Delta R.T. 0.01 min
 Lab File: BF085894.D
 Acq: 30 Mar 2016 18:56

Tgt Ion:228 Resp: 1007866
 Ion Ratio Lower Upper
 228 100
 226 32.6 25.0 37.6
 229 20.4 15.7 23.5

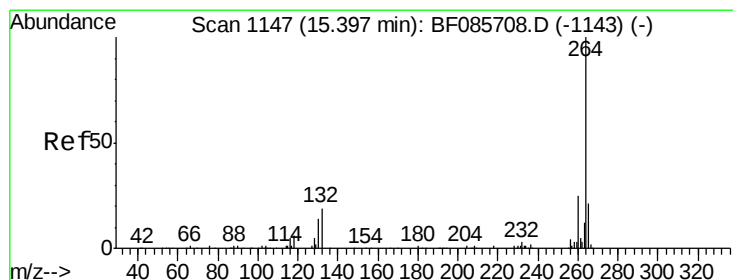
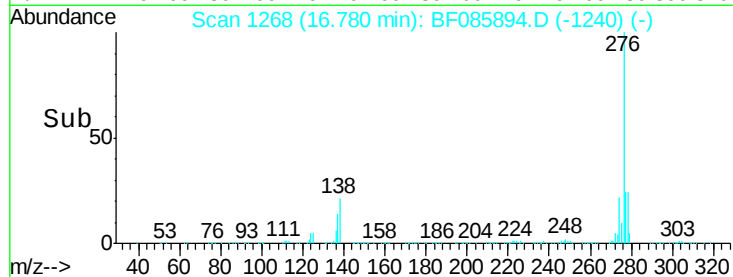
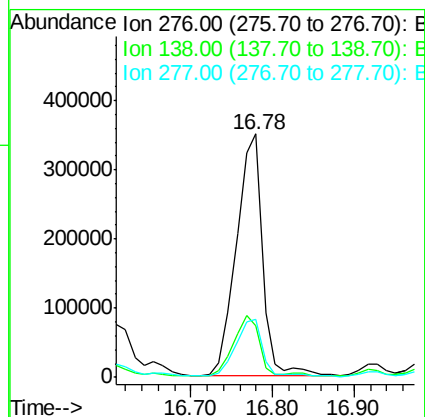
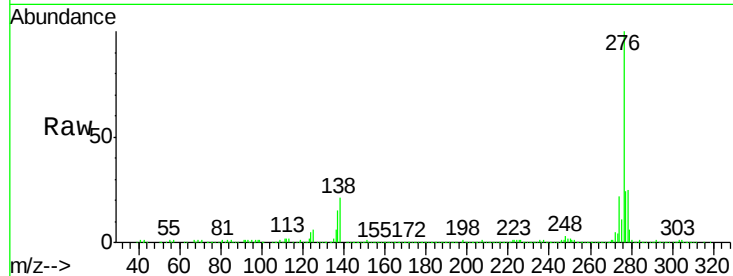




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 94.17 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. 0.02 min
 Lab File: BF085894.D
 Acq: 30 Mar 2016 18:56

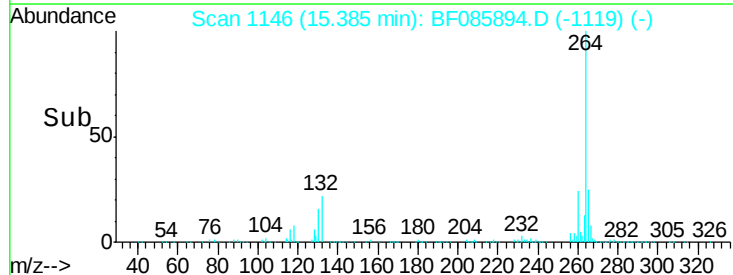
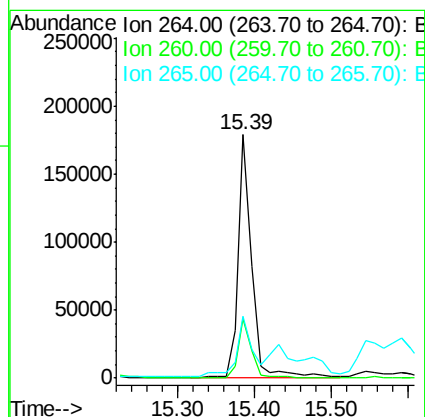
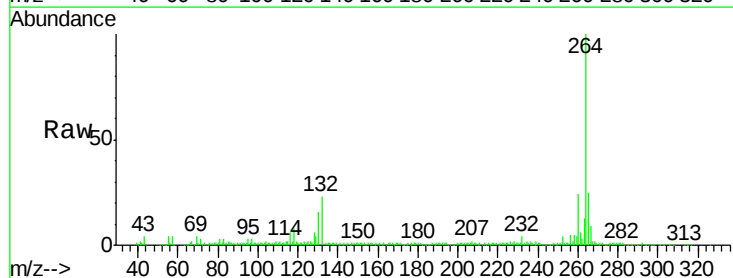
Instrument :
 BNA_F
 ClientSampleId :
 CS-PH3-SOIL-32816

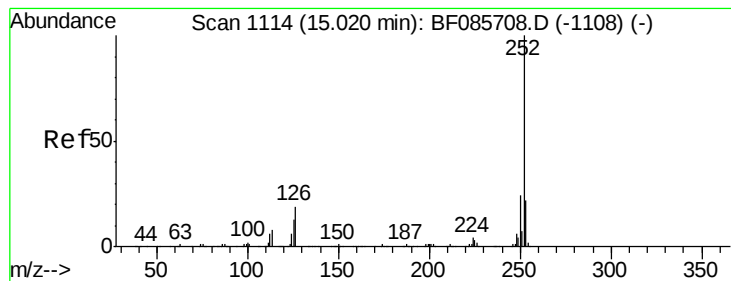
Tgt Ion:	276	Resp:	771653
Ion	Ratio	Lower	Upper
276	100		
138	24.6	24.2	36.4
277	24.4	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: BF085894.D
 Acq: 30 Mar 2016 18:56

Tgt Ion:	264	Resp:	223805
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	25.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 140.51 ng

RT: 15.00 min Scan# 1112

Delta R.T. 0.02 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

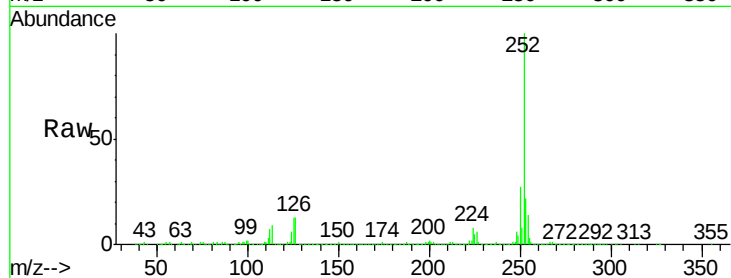
Tgt Ion:252 Resp: 1980980

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

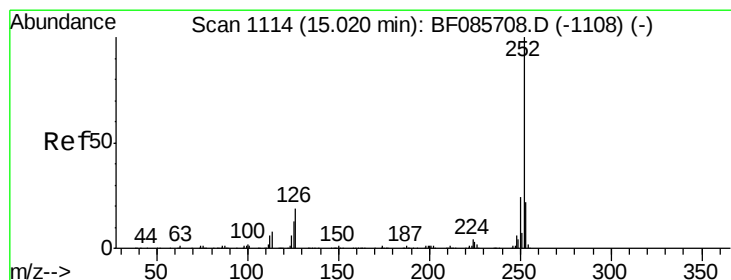
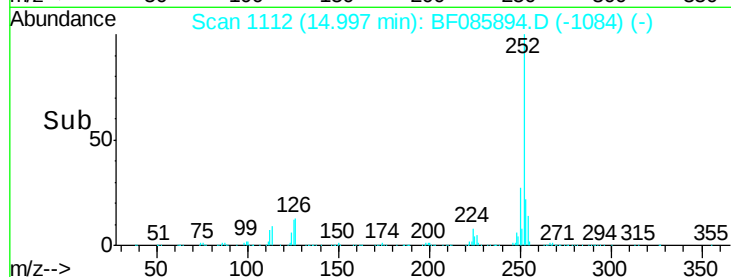
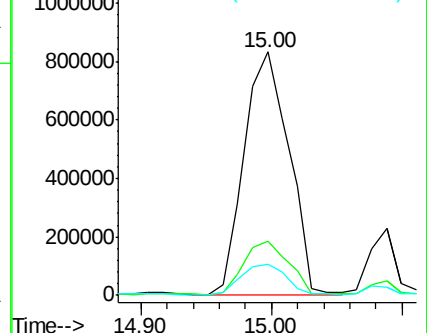
125 12.8 10.3 15.5



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



#88

Benzo(k)fluoranthene

Concen: 24.74 ng

RT: 15.09 min Scan# 1120

Delta R.T. 0.08 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

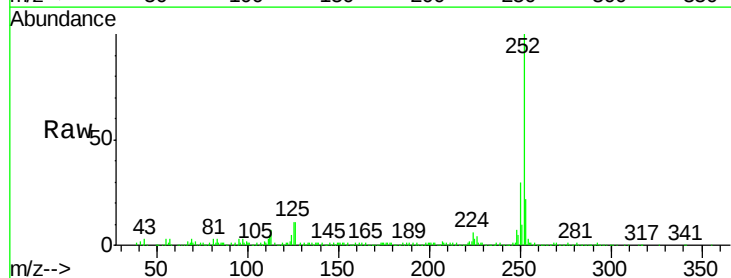
Tgt Ion:252 Resp: 314432

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

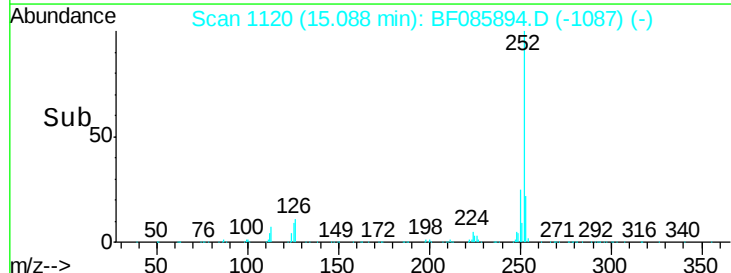
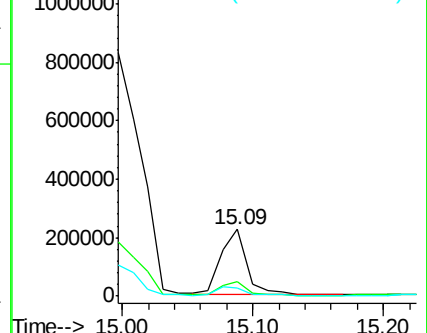
125 11.3 7.7 11.5

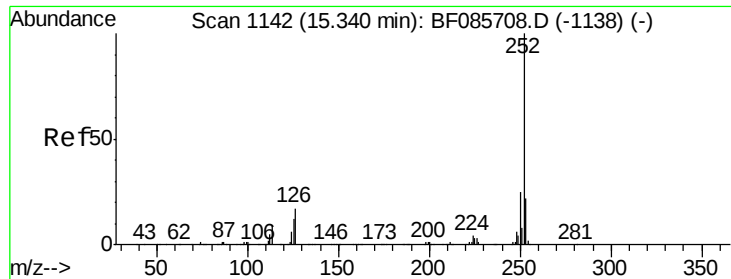


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 96.15 ng

RT: 15.34 min Scan# 1142

Delta R.T. 0.02 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

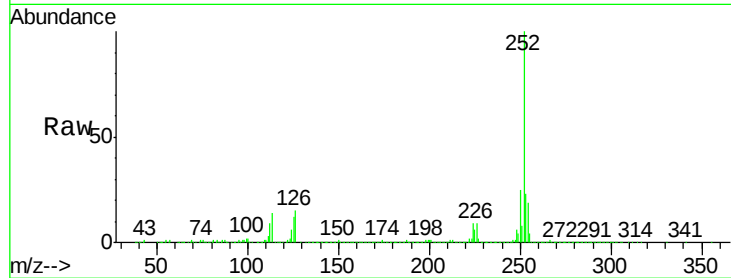
Tgt Ion:252 Resp: 1203610

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

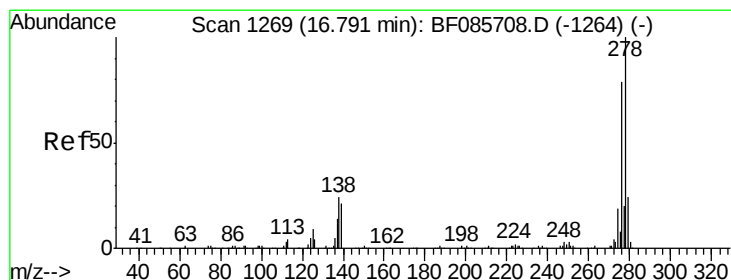
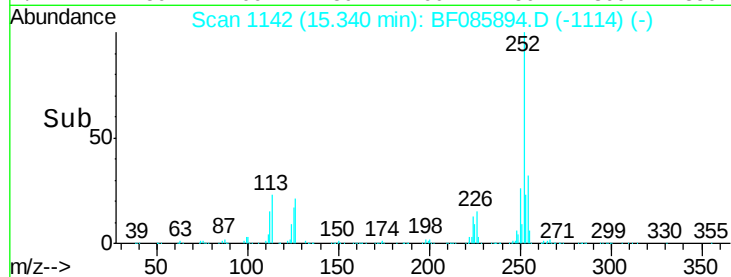
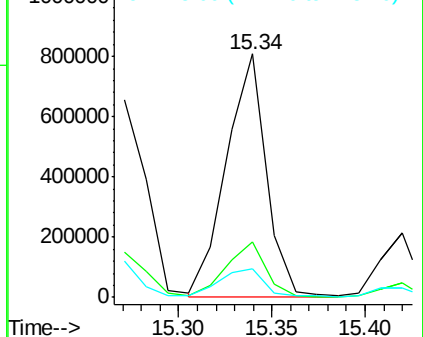
125 11.8 10.3 15.5



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



#90

Dibenzo(a,h)anthracene

Concen: 4.85 ng

RT: 16.84 min Scan# 1273

Delta R.T. 0.07 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

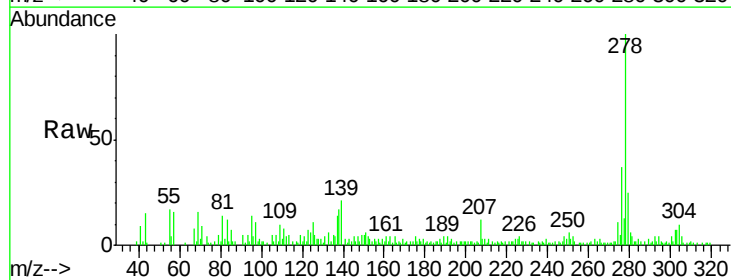
Tgt Ion:278 Resp: 56420

Ion Ratio Lower Upper

278 100

139 20.8 14.4 21.6

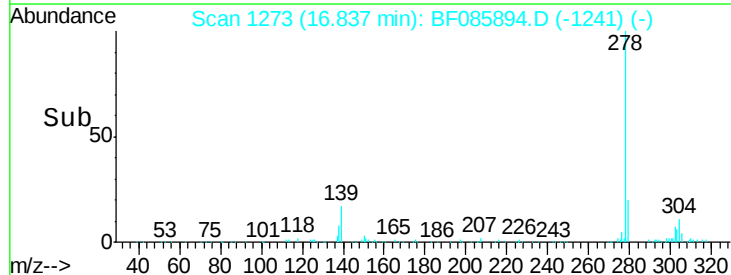
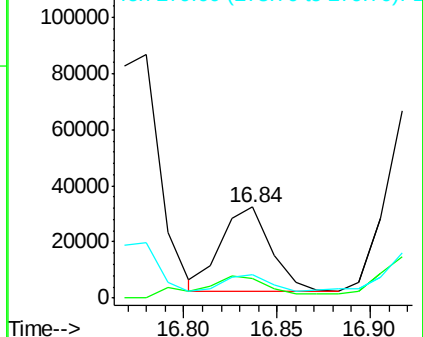
279 25.4 19.1 28.7

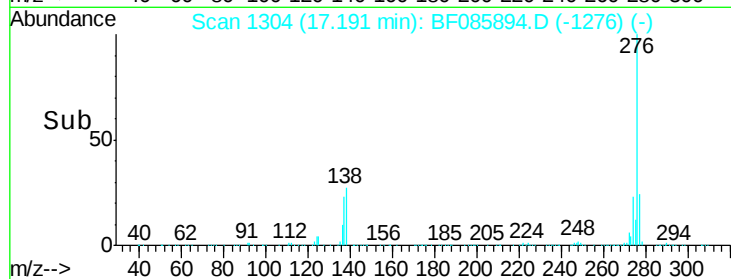
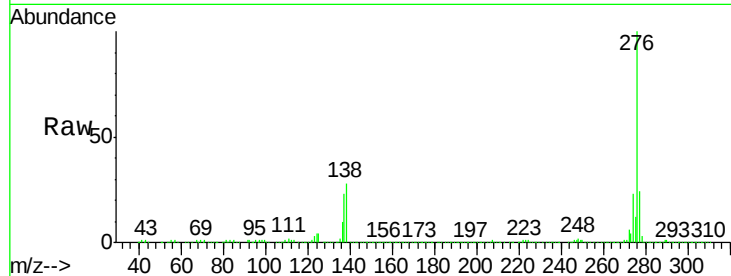
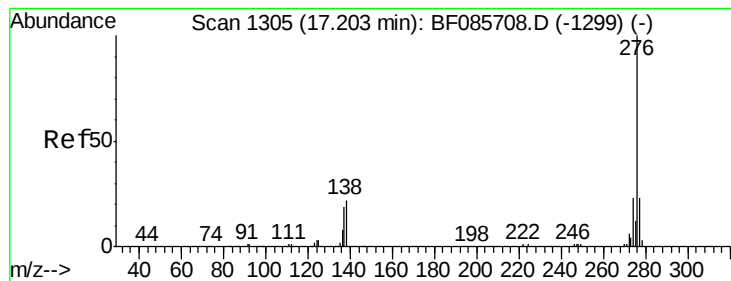


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 66.40 ng

RT: 17.19 min Scan# 1304

Delta R.T. 0.02 min

Lab File: BF085894.D

Acq: 30 Mar 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CS-PH3-SOIL-32816

Tgt Ion:276 Resp: 782026

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 27.6 22.6 34.0

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

