

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081926.D
 Acq On : 1 Oct 2015 3:25
 Operator : UM/IZ
 Sample : G3828-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-2-3.5-4

Quant Time: Oct 01 06:01:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 05:22:05 2015
 Response via : Initial Calibration

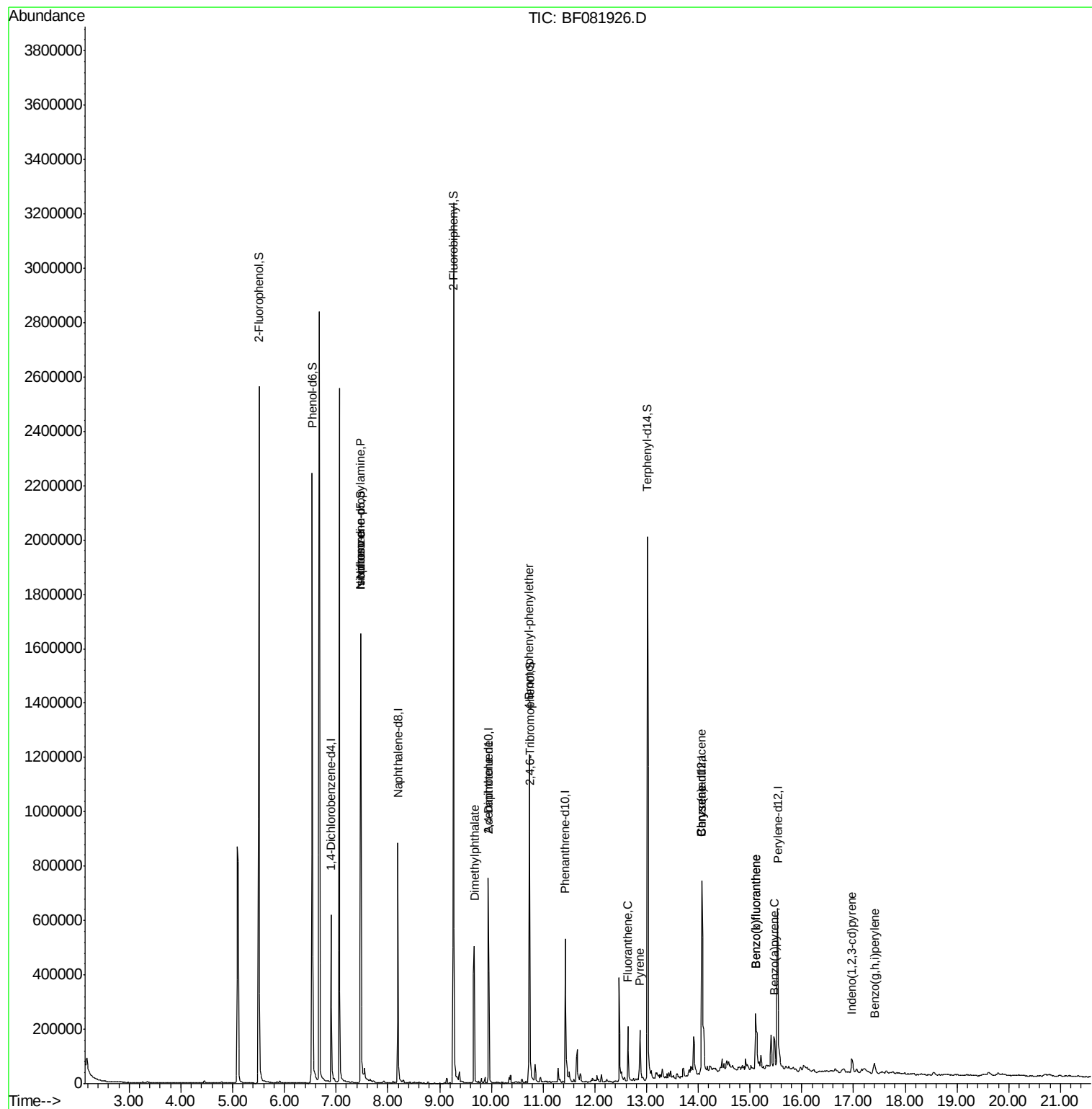
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	119221	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	453081	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	185752	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	290845	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	306368	20.00	ng	-0.01
86) Perylene-d12	15.53	264	309644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	801649	122.06	ng	0.01
7) Phenol-d6	6.54	99	981641	118.78	ng	0.00
23) Nitrobenzene-d5	7.47	82	659779	97.07	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	230920	122.75	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1077393	100.61	ng	0.00
78) Terphenyl-d14	13.02	244	853597	92.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	85448	17.01	ng	# 57
25) Isophorone	7.47	82	539724	40.06	ng	# 58
49) Dimethylphthalate	9.67	163	322774	25.17	ng	# 97
56) 2,4-Dinitrotoluene	9.94	165	23173	6.53	ng	# 33
57) Fluorene	10.49	166	1259	Below	Cal	# 93
66) 4-Bromophenyl-phenylether	10.73	248	14178	4.83	ng	# 1
73) Di-n-butylphthalate	11.99	149	5224	Below	Cal	# 90
74) Fluoranthene	12.64	202	108911	6.99	ng	95
77) Pyrene	12.87	202	113384	6.19	ng	97
80) Benzo(a)anthracene	14.07	228	95446	5.79	ng	# 91
82) Chrysene	14.07	228	95446	5.33	ng	93
85) Indeno(1,2,3-cd)pyrene	16.97	276	46628	3.61	ng	# 85
87) Benzo(b)fluoranthene	15.11	252	184164	10.42	ng	# 87
88) Benzo(k)fluoranthene	15.11	252	184164	11.37	ng	# 88
89) Benzo(a)pyrene	15.48	252	81986	5.35	ng	# 85
91) Benzo(g,h,i)perylene	17.41	276	40201	3.05	ng	# 74

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

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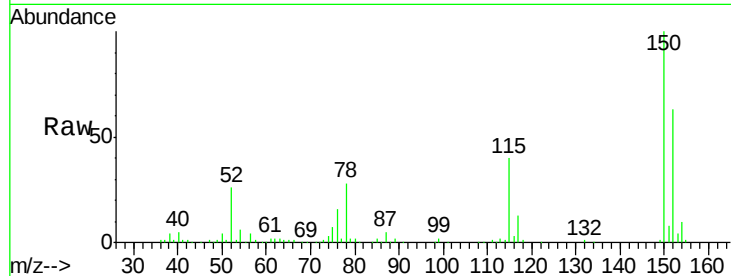


#1

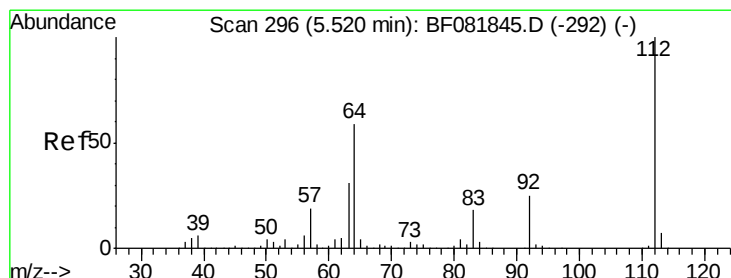
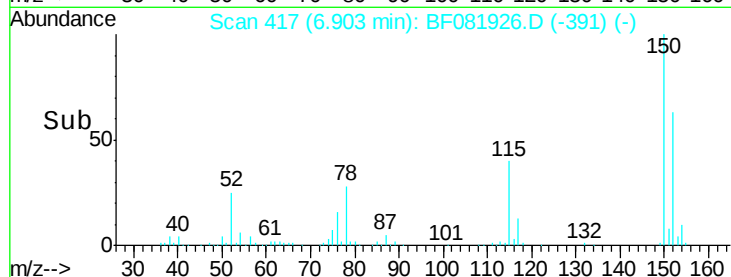
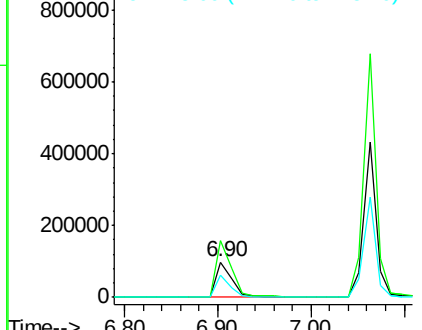
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-2-3.5-4

Tgt Ion:152 Resp: 119221
Ion Ratio Lower Upper
152 100
150 159.7 124.7 187.1
115 63.5 39.0 58.4#



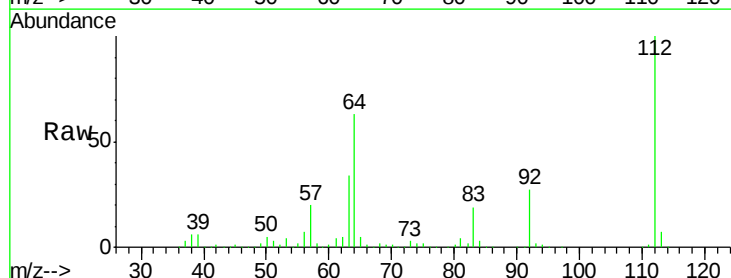
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



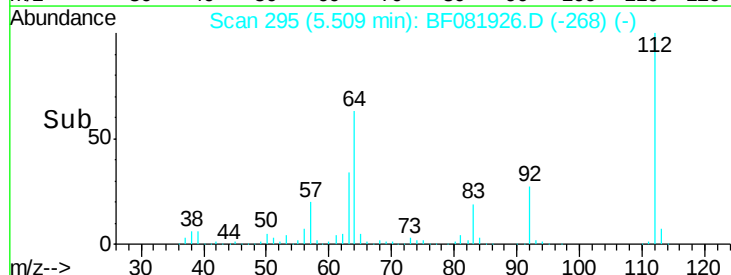
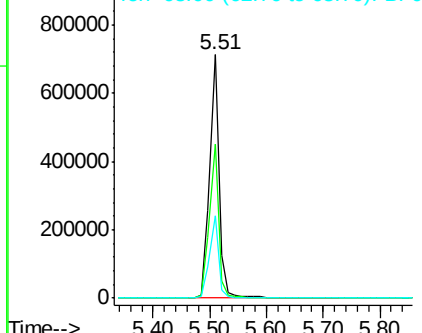
#5

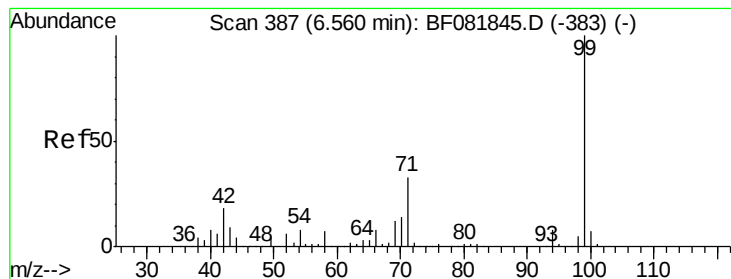
2-Fluorophenol
Concen: 122.06 ng
RT: 5.51 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Tgt Ion:112 Resp: 801649
Ion Ratio Lower Upper
112 100
64 63.4 39.7 59.5#
63 33.6 17.4 26.0#



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: 118.78 ng

RT: 6.54 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-2-3.5-4

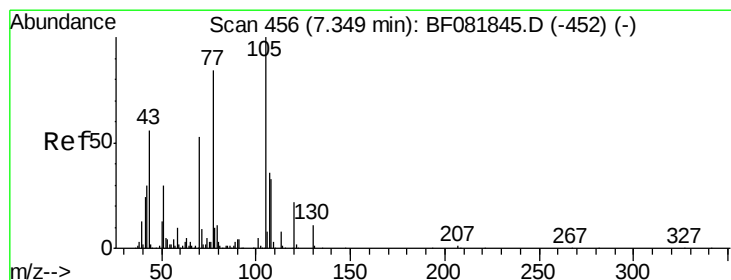
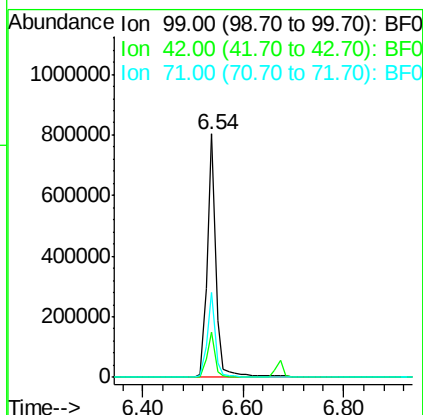
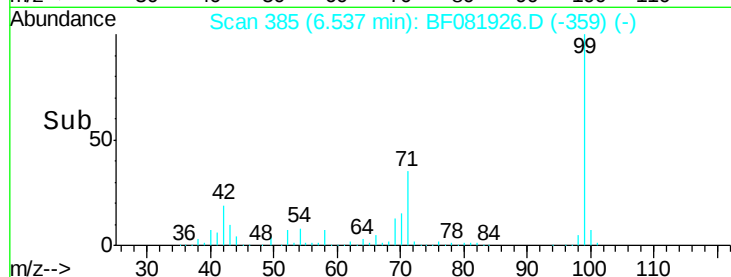
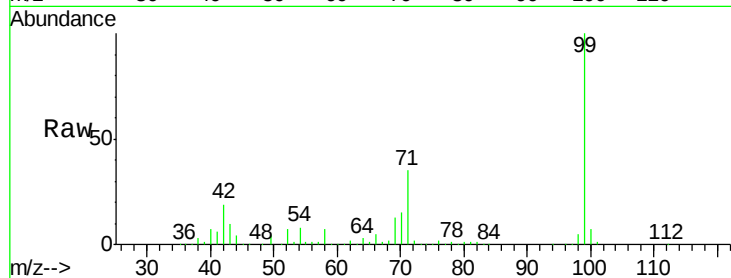
Tgt Ion: 99 Resp: 981641

Ion Ratio Lower Upper

99 100

42 18.5 13.7 20.5

71 34.7 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 17.01 ng

RT: 7.47 min Scan# 467

Delta R.T. 0.15 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

Tgt Ion: 70 Resp: 85448

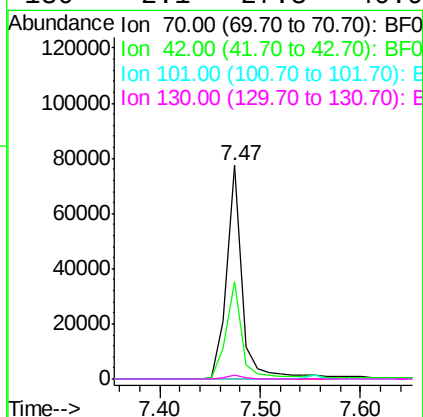
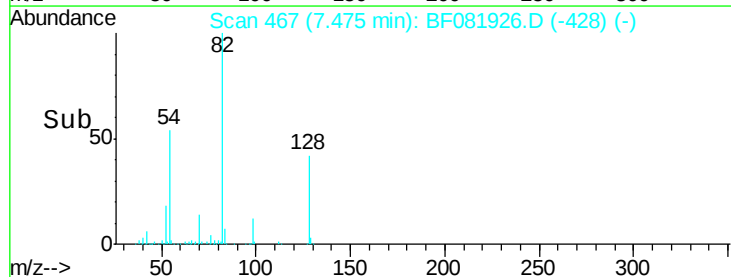
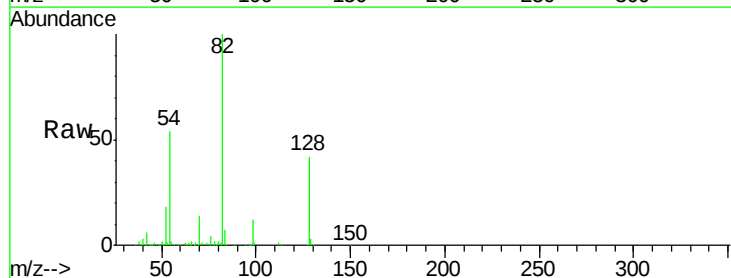
Ion Ratio Lower Upper

70 100

42 45.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

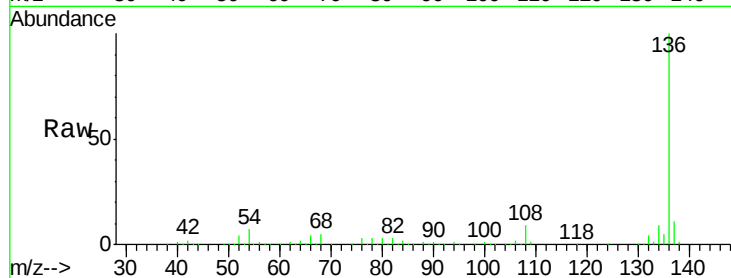




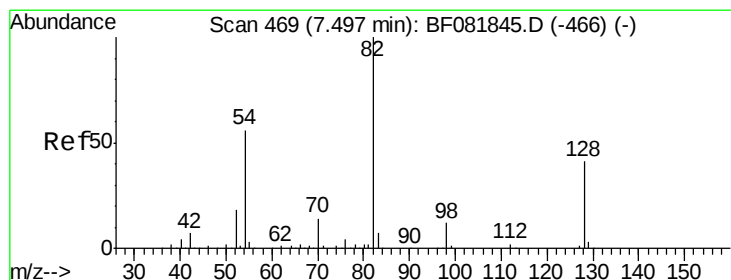
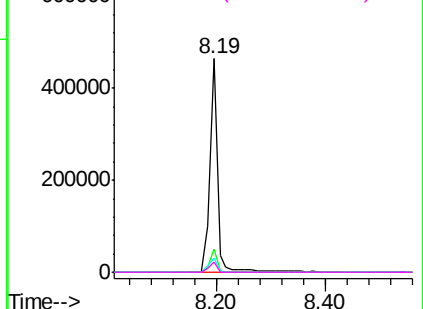
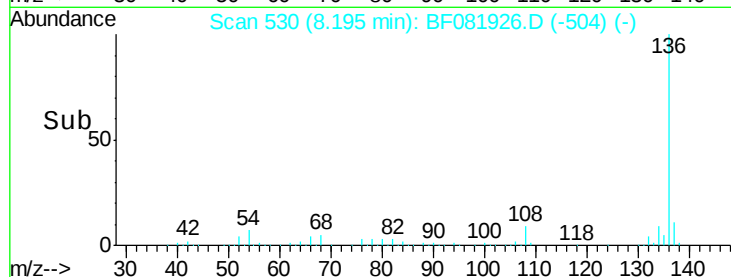
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-2-3.5-4

Tgt Ion: 136 Resp: 453081
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.8 8.2 12.2#
68 4.8 5.8 8.6#

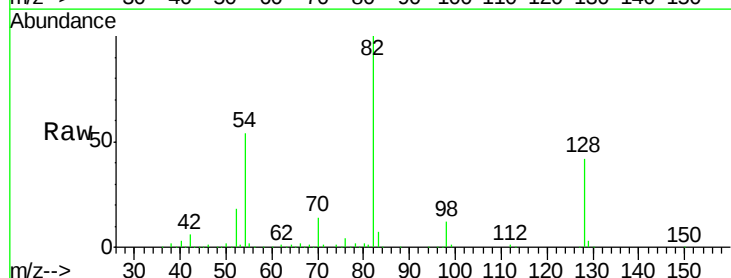


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

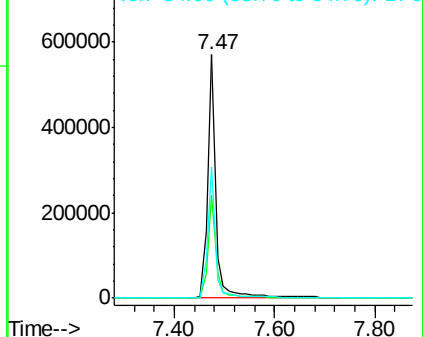
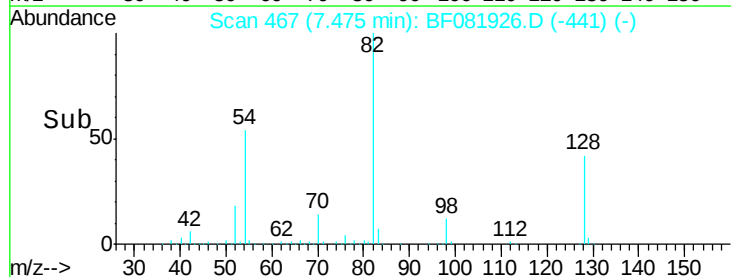


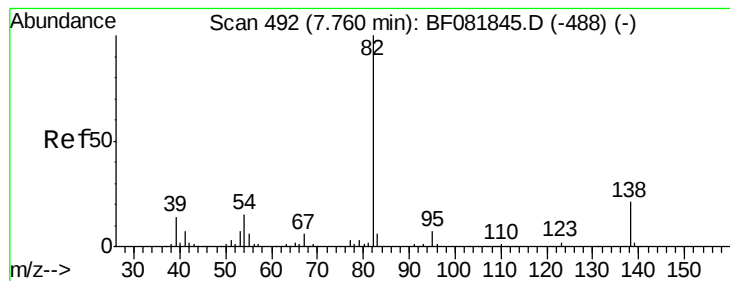
#23
Nitrobenzene-d5
Concen: 97.07 ng
RT: 7.47 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Tgt Ion: 82 Resp: 659779
Ion Ratio Lower Upper
82 100
128 42.4 51.0 76.6#
54 53.7 47.5 71.3



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: 40.06 ng

RT: 7.47 min Scan# 467

Delta R.T. -0.26 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-2-3.5-4

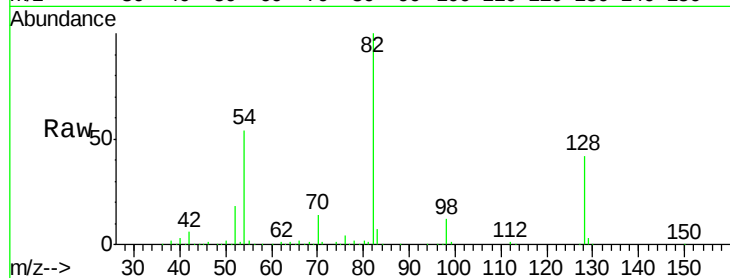
Tgt Ion: 82 Resp: 539724

Ion Ratio Lower Upper

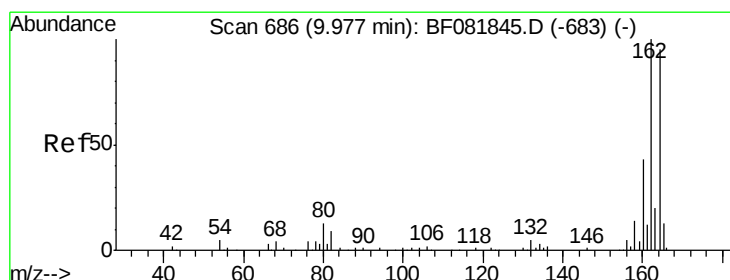
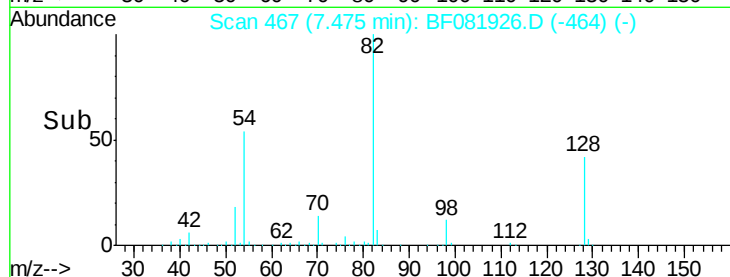
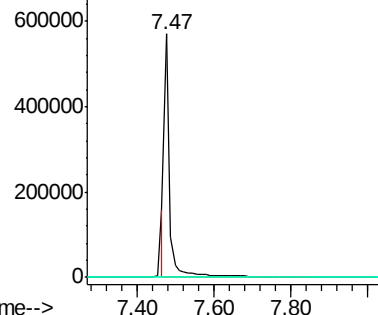
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

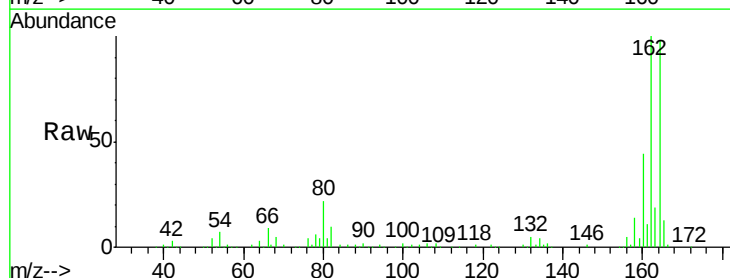
Tgt Ion: 164 Resp: 185752

Ion Ratio Lower Upper

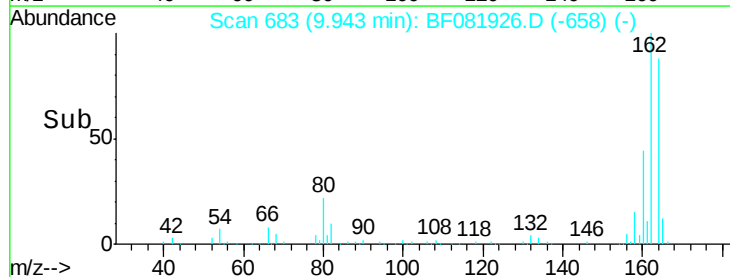
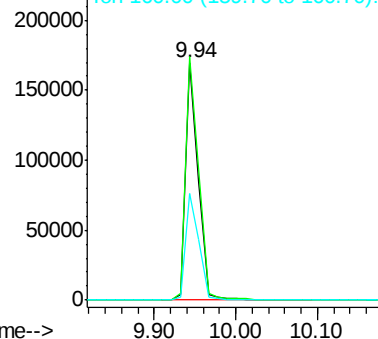
164 100

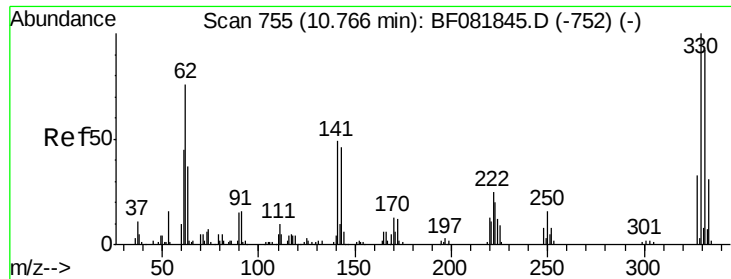
162 102.5 75.2 112.8

160 44.9 31.5 47.3



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

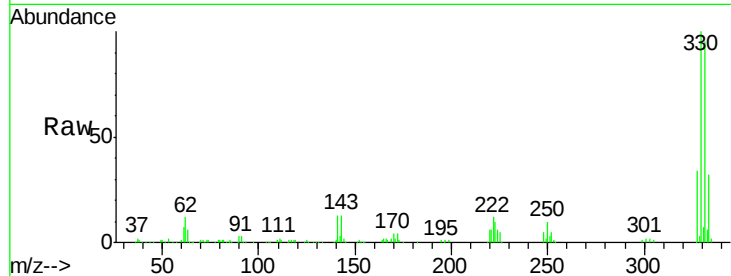




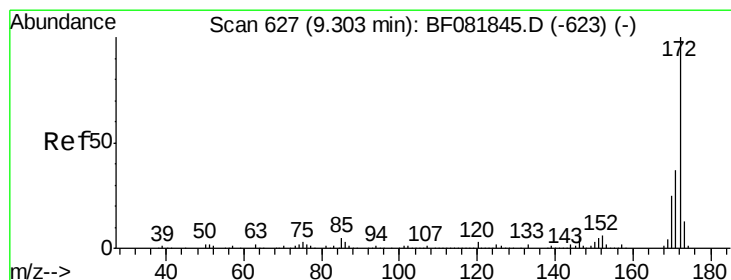
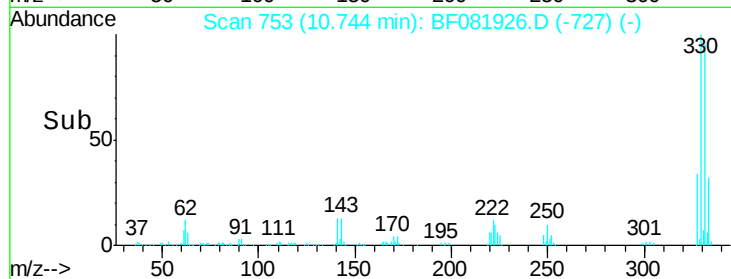
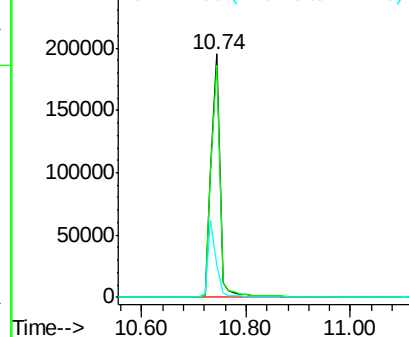
#41
 2,4,6-Tribromophenol
 Concen: 122.75 ng
 RT: 10.74 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BF081926.D
 Acq: 1 Oct 2015 3:25

Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-2-3.5-4

Tgt Ion:330 Resp: 230920
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 30.1 29.7 44.5

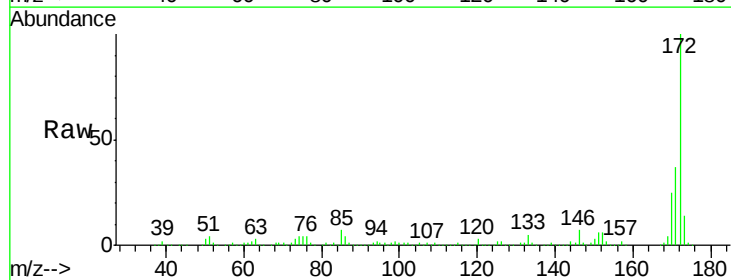


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

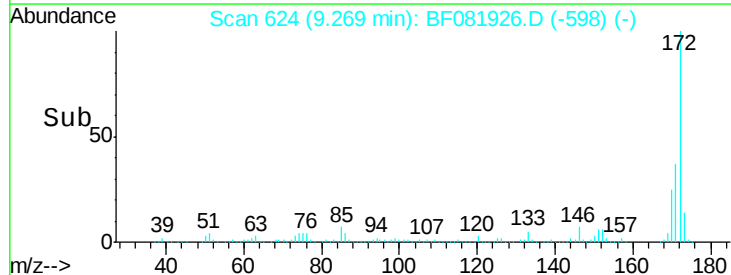
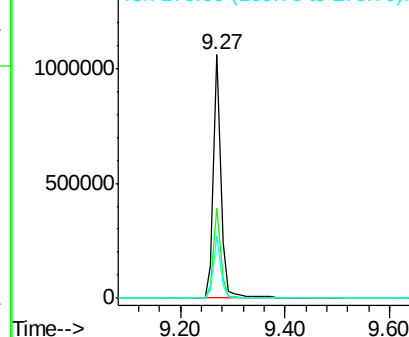


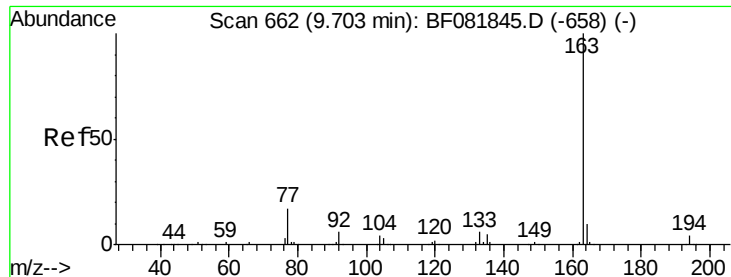
#44
 2-Fluorobiphenyl
 Concen: 100.61 ng
 RT: 9.27 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081926.D
 Acq: 1 Oct 2015 3:25

Tgt Ion:172 Resp: 1077393
 Ion Ratio Lower Upper
 172 100
 171 37.0 26.1 39.1
 170 25.3 17.4 26.2



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

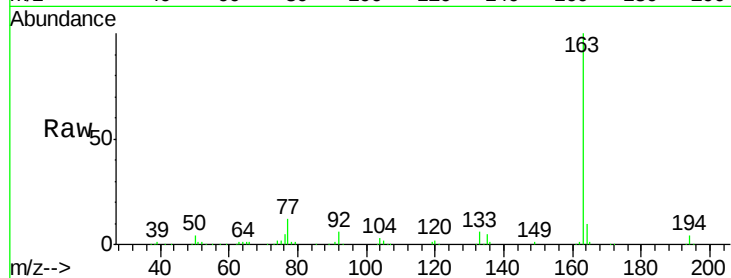




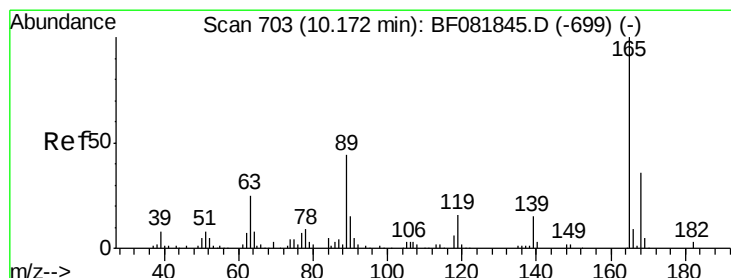
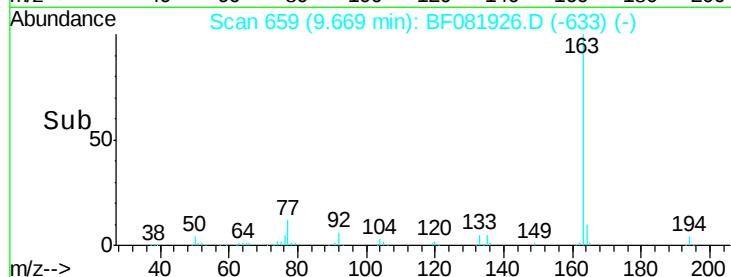
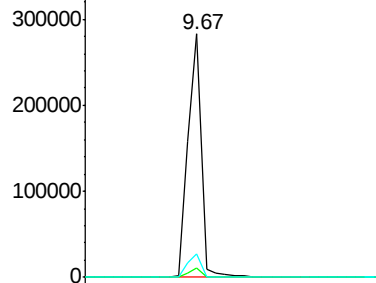
#49
Dimethylphthalate
Concen: 25.17 ng
RT: 9.67 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-2-3.5-4

Tgt Ion:163 Resp: 322774
Ion Ratio Lower Upper
163 100
194 4.0 4.4 6.6#
164 9.8 8.3 12.5

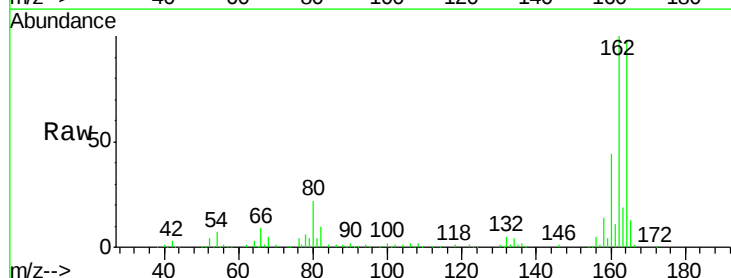


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

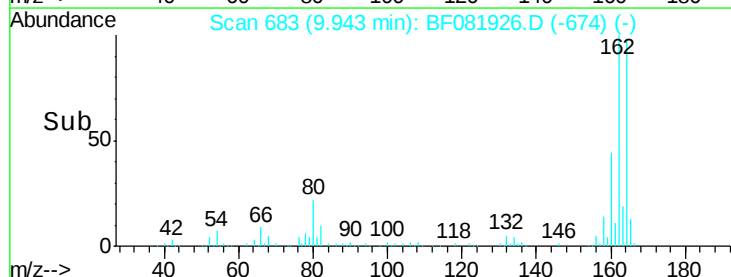
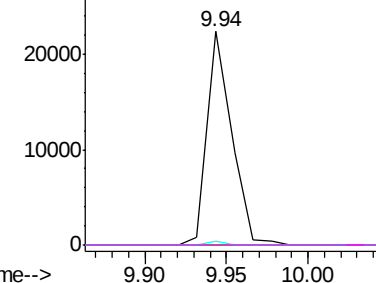


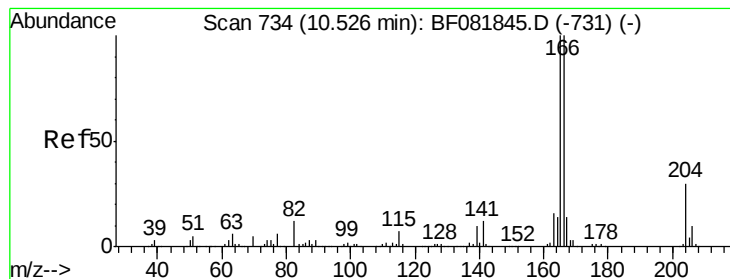
#56
2,4-Dinitrotoluene
Concen: 6.53 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.19 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Tgt Ion:165 Resp: 23173
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 1.7 44.5 66.7#
182 0.0 3.0 4.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.49 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-2-3.5-4

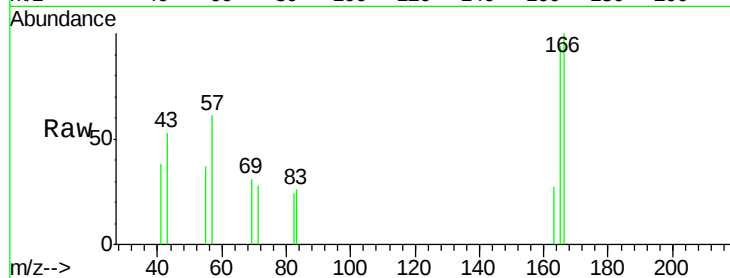
Tgt Ion:166 Resp: 1259

Ion Ratio Lower Upper

166 100

165 93.9 72.6 109.0

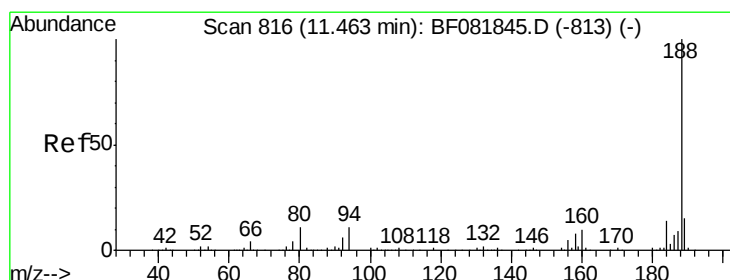
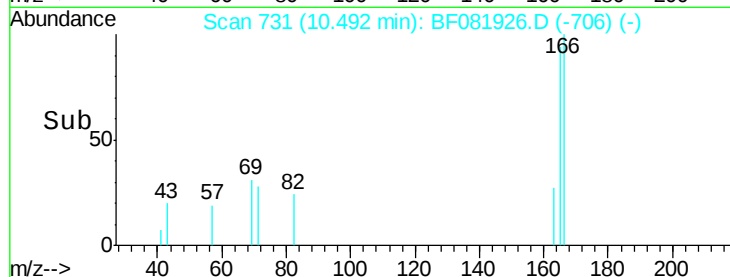
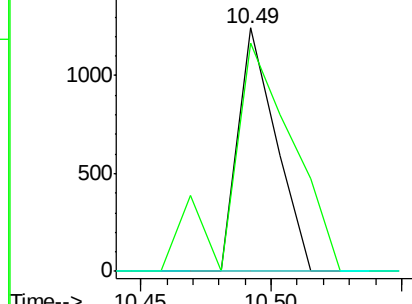
167 0.0 10.6 16.0#



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: 11.43 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

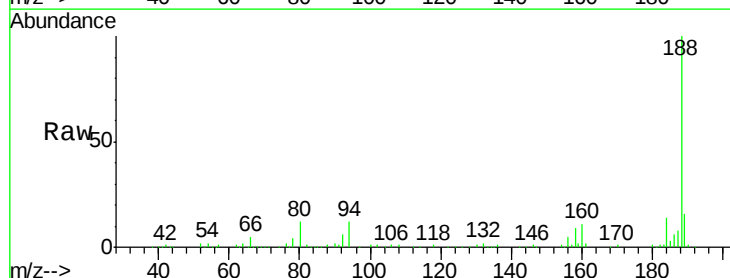
Tgt Ion:188 Resp: 290845

Ion Ratio Lower Upper

188 100

94 11.9 11.1 16.7

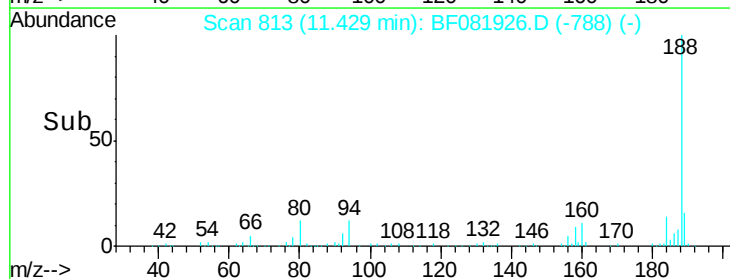
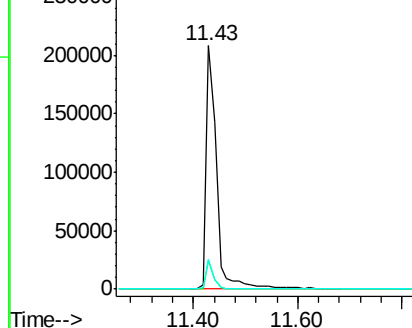
80 12.4 11.0 16.4

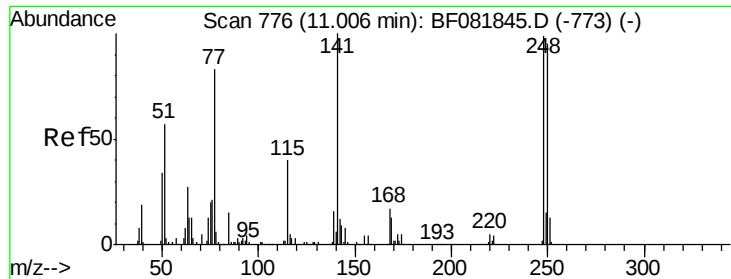


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

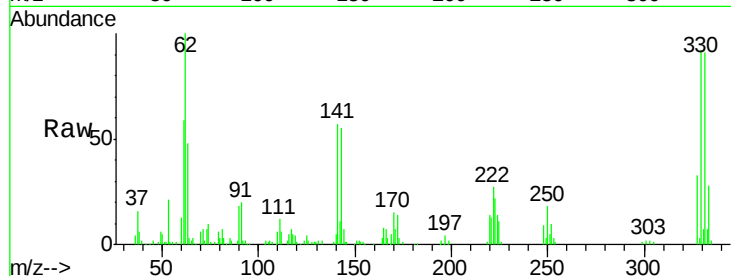




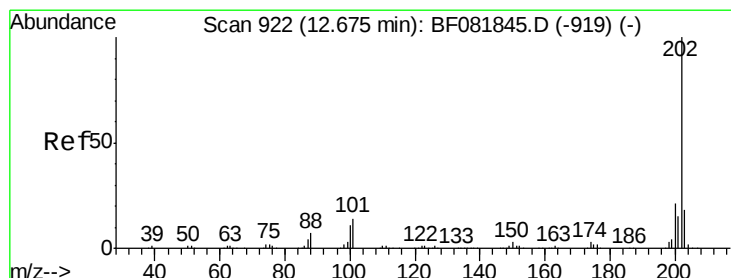
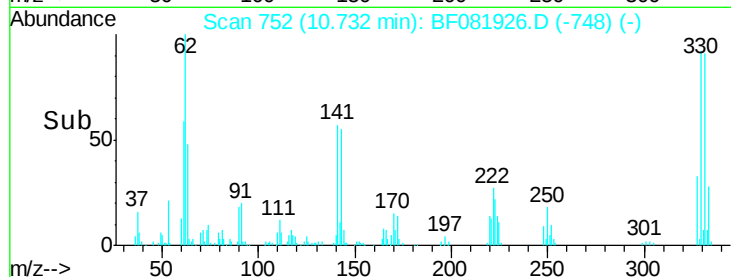
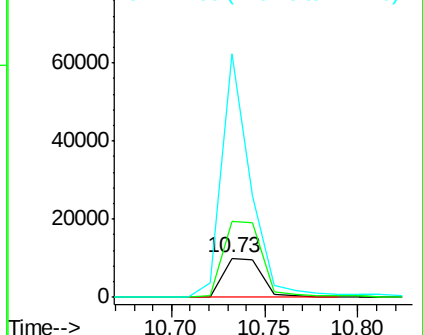
#66
4-Bromophenyl-phenylether
Concen: 4.83 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.25 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-2-3.5-4

Tgt Ion:248 Resp: 14178
Ion Ratio Lower Upper
248 100
250 194.2 78.5 117.7#
141 624.1 59.0 88.6#

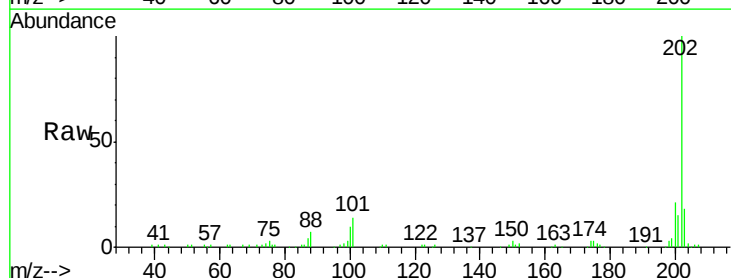


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

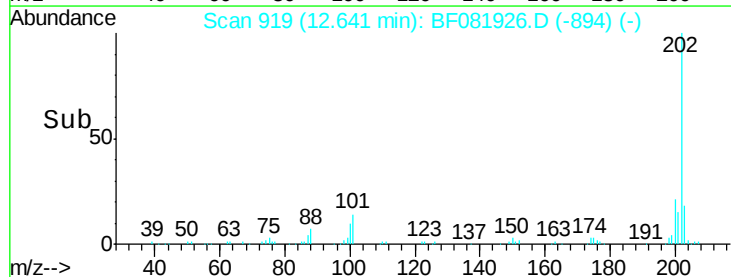
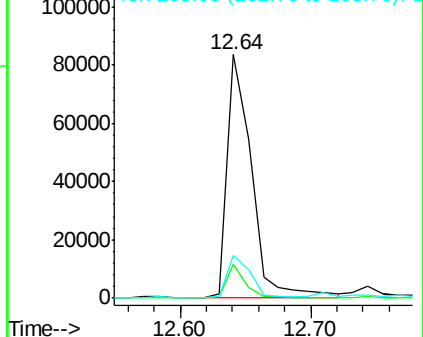


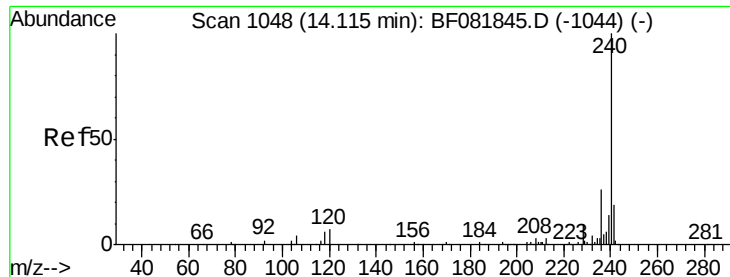
#74
Fluoranthene
Concen: 6.99 ng
RT: 12.64 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Tgt Ion:202 Resp: 108911
Ion Ratio Lower Upper
202 100
101 14.0 0.0 38.3
203 17.5 0.0 37.3



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: 14.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-2-3.5-4

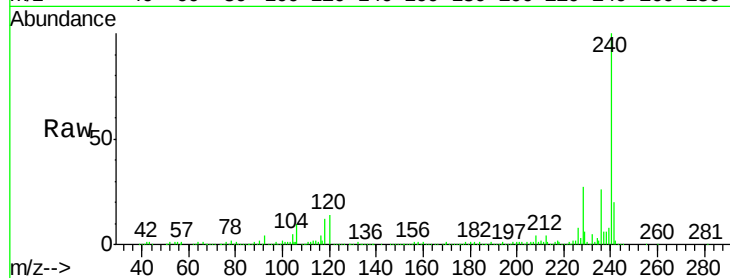
Tgt Ion:240 Resp: 306368

Ion Ratio Lower Upper

240 100

120 14.0 16.2 24.2#

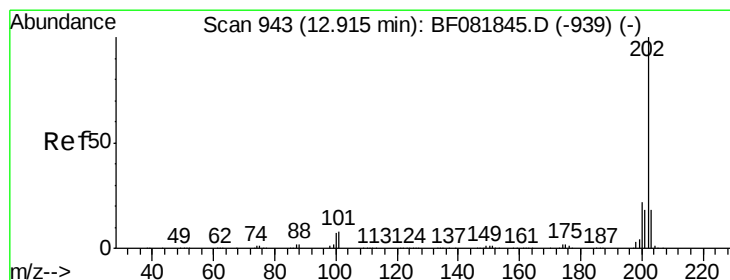
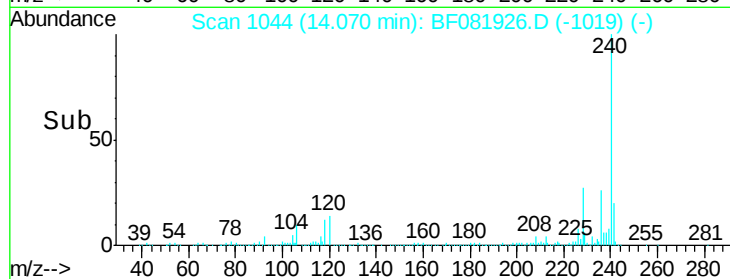
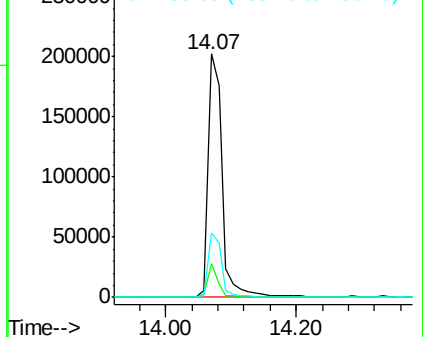
236 26.4 18.4 27.6



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: 6.19 ng

RT: 12.87 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

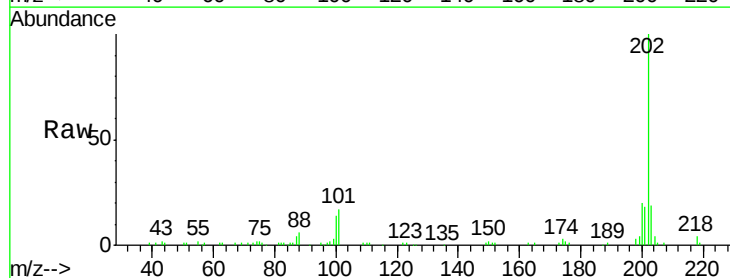
Tgt Ion:202 Resp: 113384

Ion Ratio Lower Upper

202 100

200 20.5 15.0 22.4

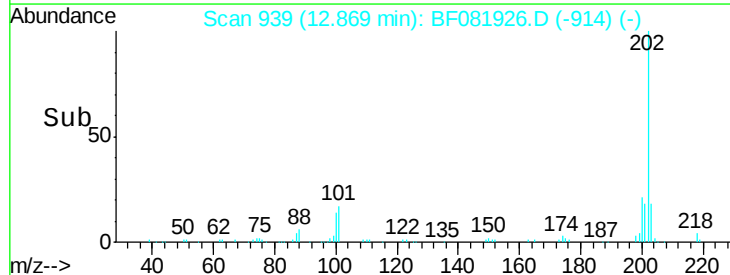
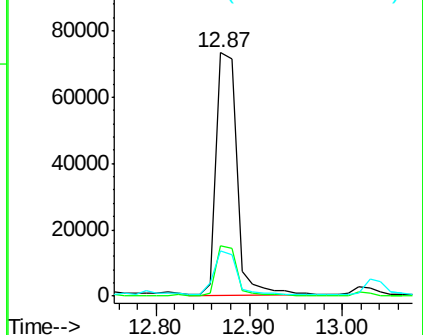
203 18.8 14.1 21.1

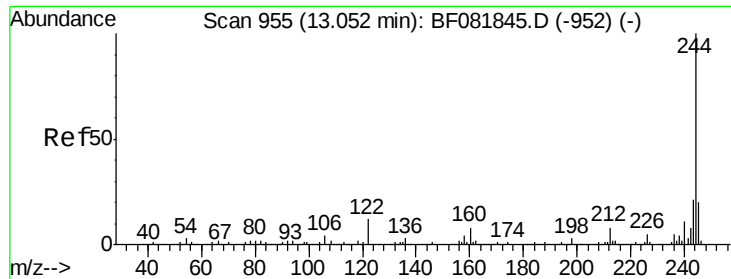


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

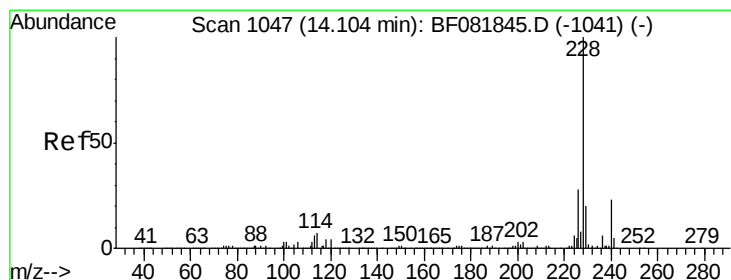
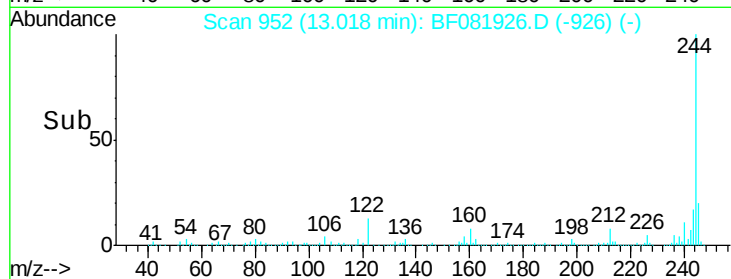
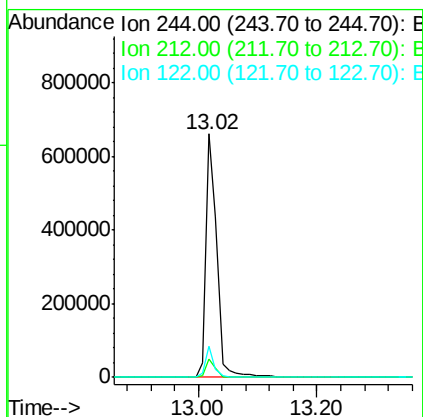
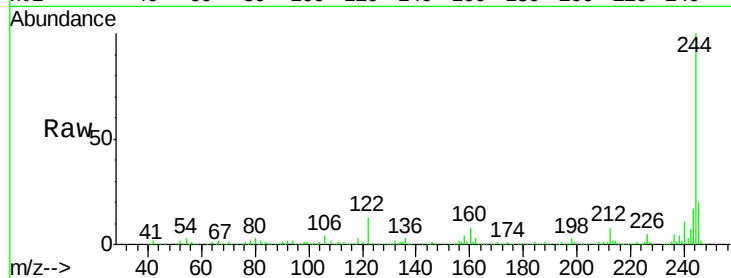




#78
 Terphenyl-d14
 Concen: 92.10 ng
 RT: 13.02 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: BF081926.D
 Acq: 1 Oct 2015 3:25

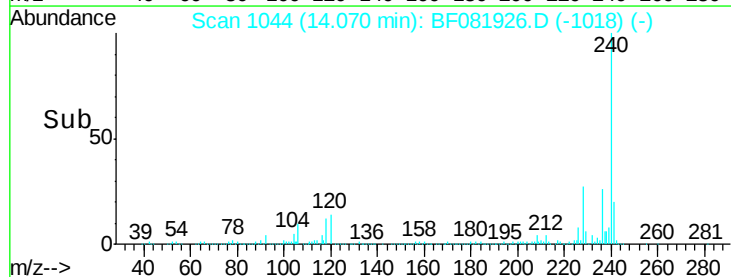
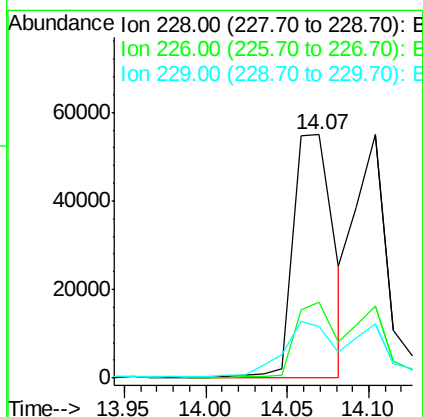
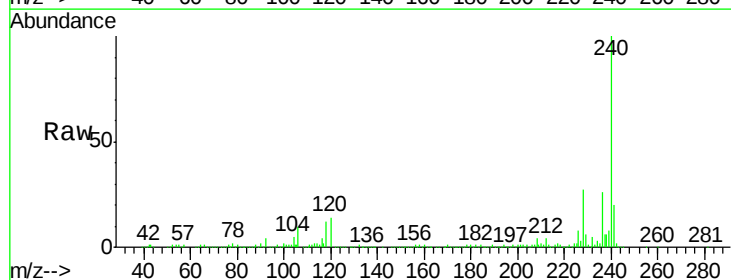
Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-2-3.5-4

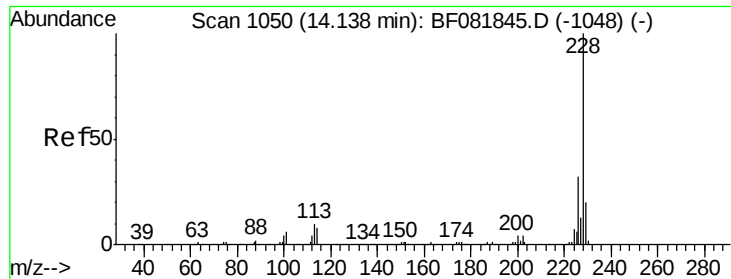
Tgt Ion: 244 Resp: 853597
 Ion Ratio Lower Upper
 244 100
 212 7.7 4.3 6.5#
 122 12.8 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 5.79 ng
 RT: 14.07 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF081926.D
 Acq: 1 Oct 2015 3:25

Tgt Ion: 228 Resp: 95446
 Ion Ratio Lower Upper
 228 100
 226 31.2 20.0 30.0#
 229 21.4 15.4 23.2





#82

Chrysene

Concen: 5.33 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-2-3.5-4

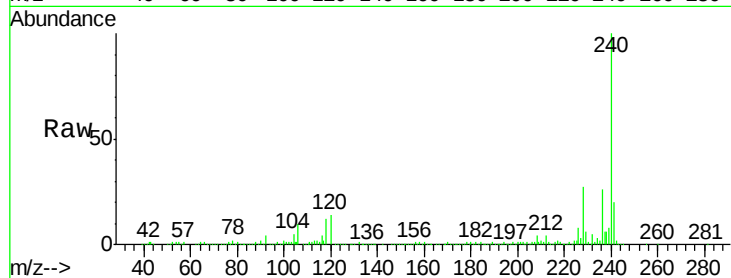
Tgt Ion:228 Resp: 95446

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

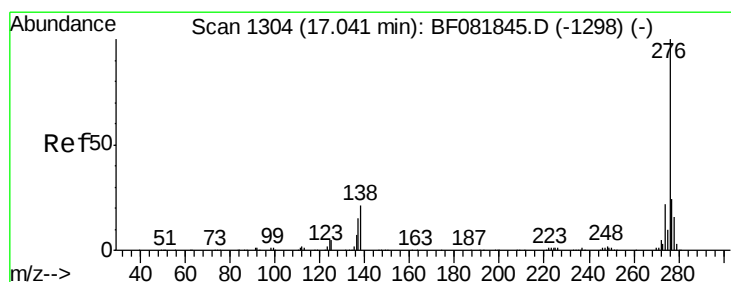
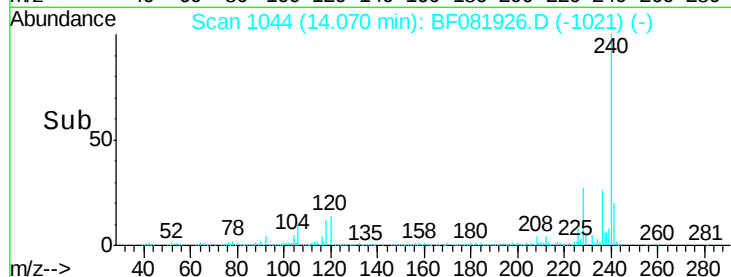
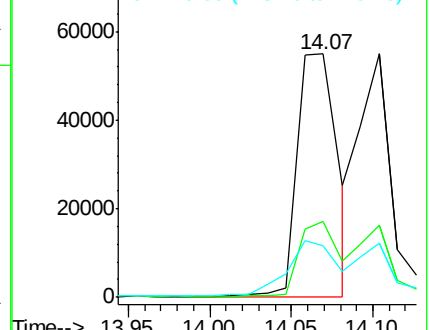
229 21.4 15.6 23.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.61 ng

RT: 16.97 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

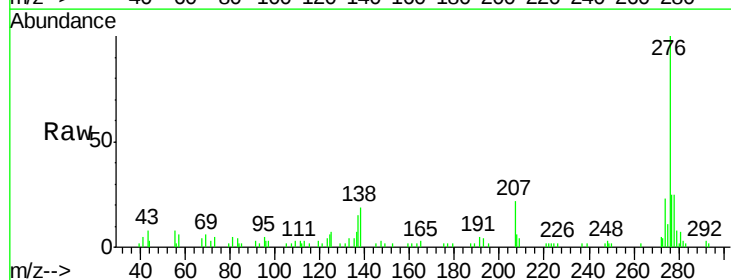
Tgt Ion:276 Resp: 46628

Ion Ratio Lower Upper

276 100

138 21.8 25.7 38.5#

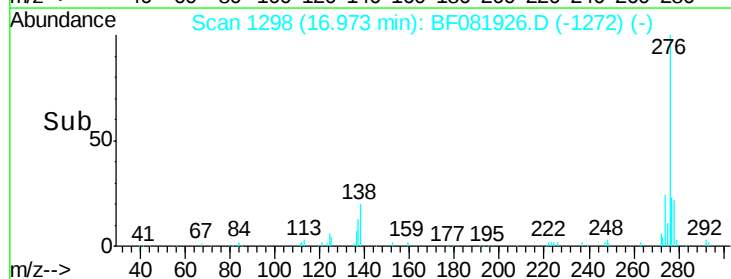
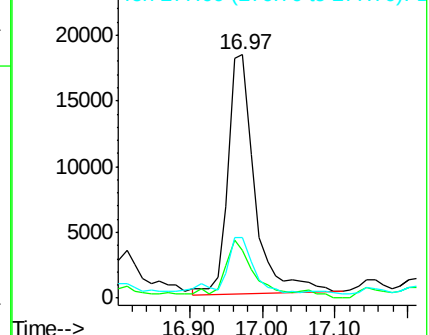
277 24.4 15.6 23.4#

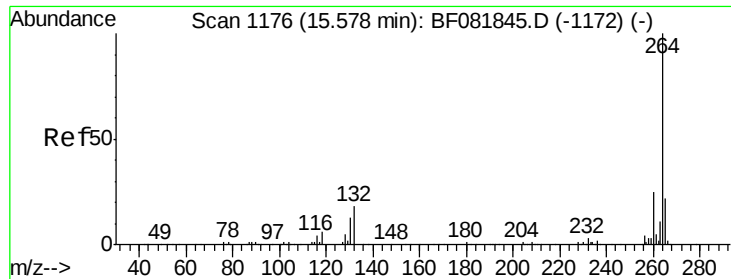


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

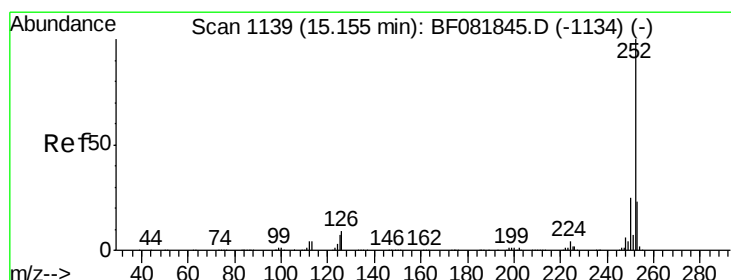
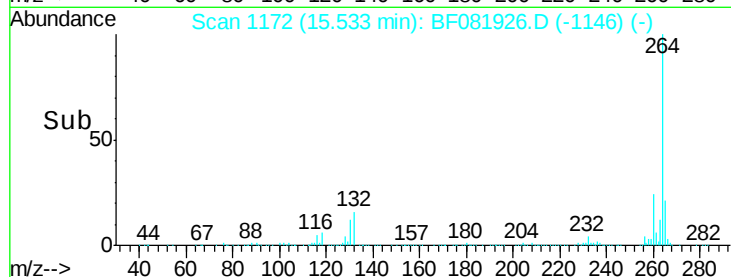
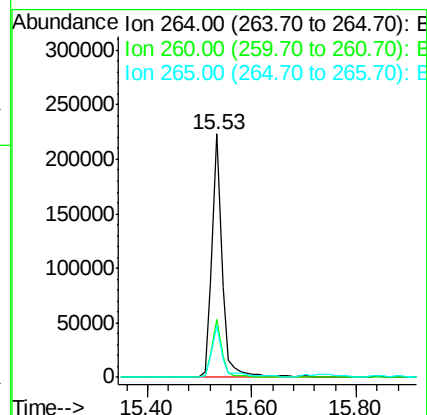
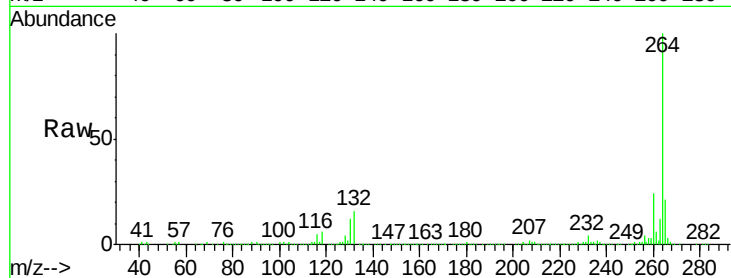




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

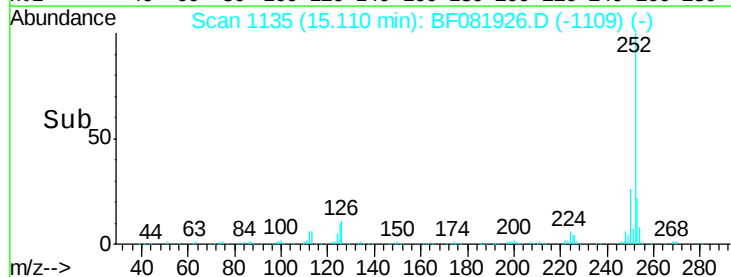
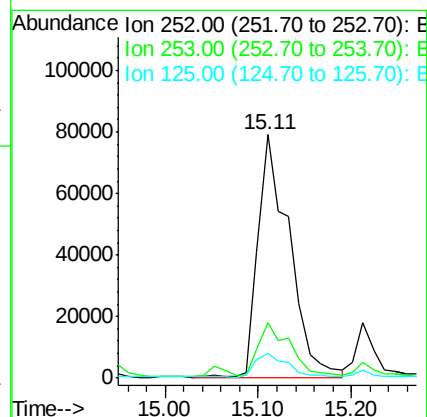
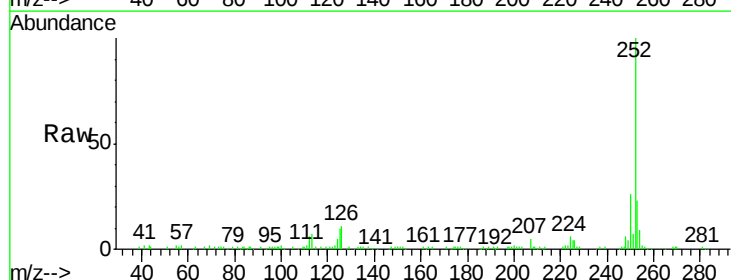
Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-2-3.5-4

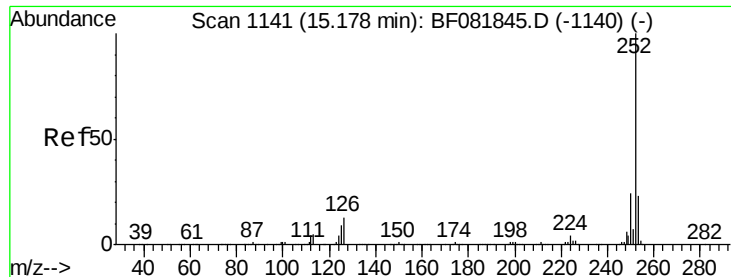
Tgt Ion: 264 Resp: 309644
Ion Ratio Lower Upper
264 100
260 23.9 16.7 25.1
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.42 ng
RT: 15.11 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Tgt Ion: 252 Resp: 184164
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.2 17.1 25.7#

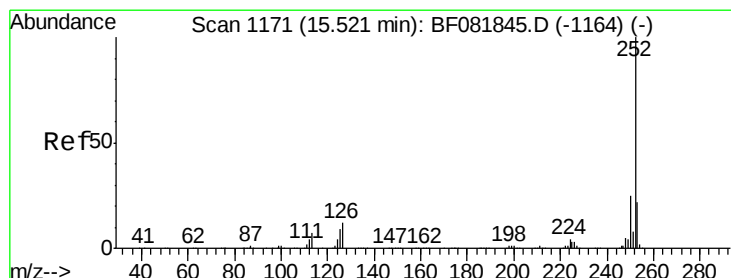
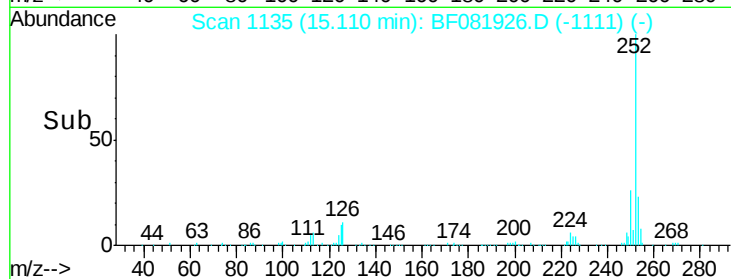
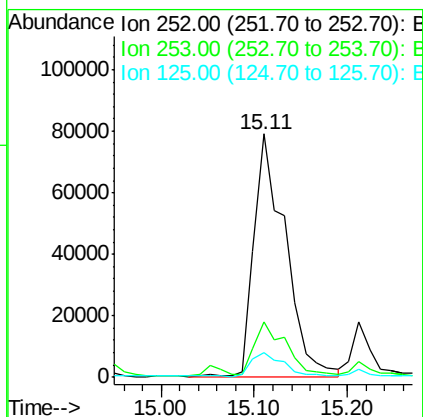
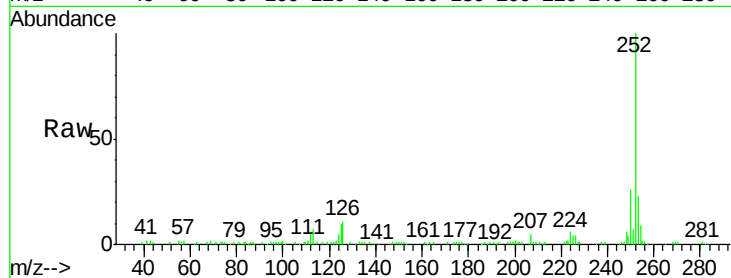




#88
Benzo(k)fluoranthene
Concen: 11.37 ng
RT: 15.11 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

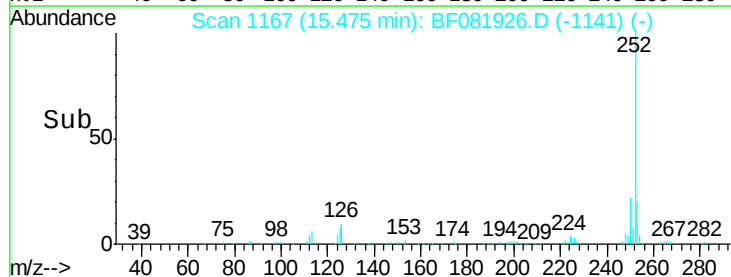
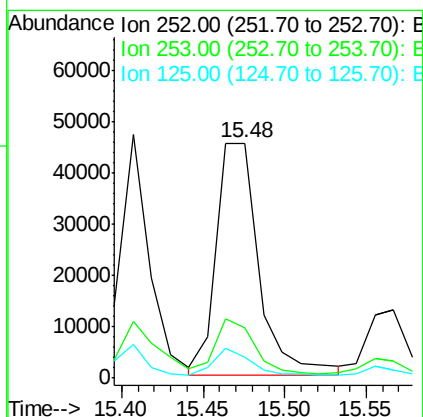
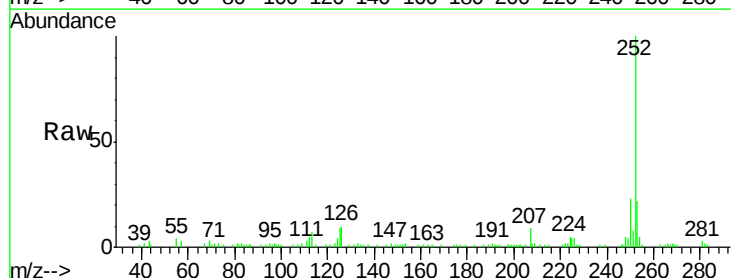
Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-2-3.5-4

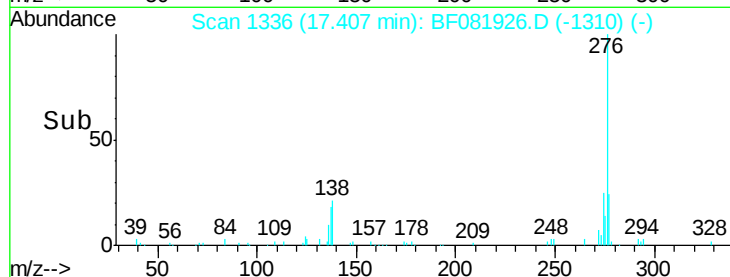
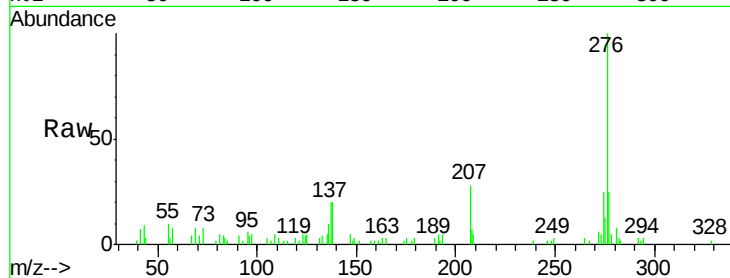
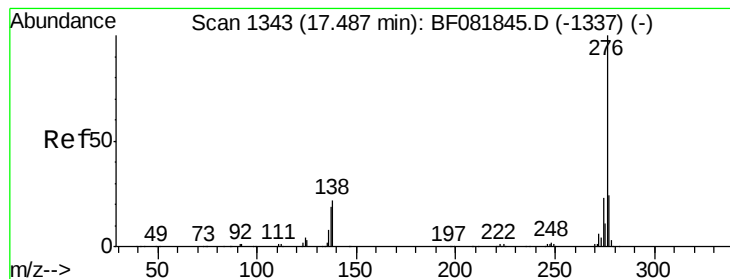
Tgt Ion:252 Resp: 184164
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 10.2 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 5.35 ng
RT: 15.48 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF081926.D
Acq: 1 Oct 2015 3:25

Tgt Ion:252 Resp: 81986
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 8.7 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 3.05 ng

RT: 17.41 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF081926.D

Acq: 1 Oct 2015 3:25

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-2-3.5-4

Tgt Ion: 276 Resp: 40201

Ion Ratio Lower Upper

276 100

277 25.4 17.8 26.6

138 20.4 34.6 51.8#

