

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090889.D
 Acq On : 28 Oct 2016 1:35
 Operator : UM/SJ
 Sample : H5423-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

Quant Time: Oct 28 02:02:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

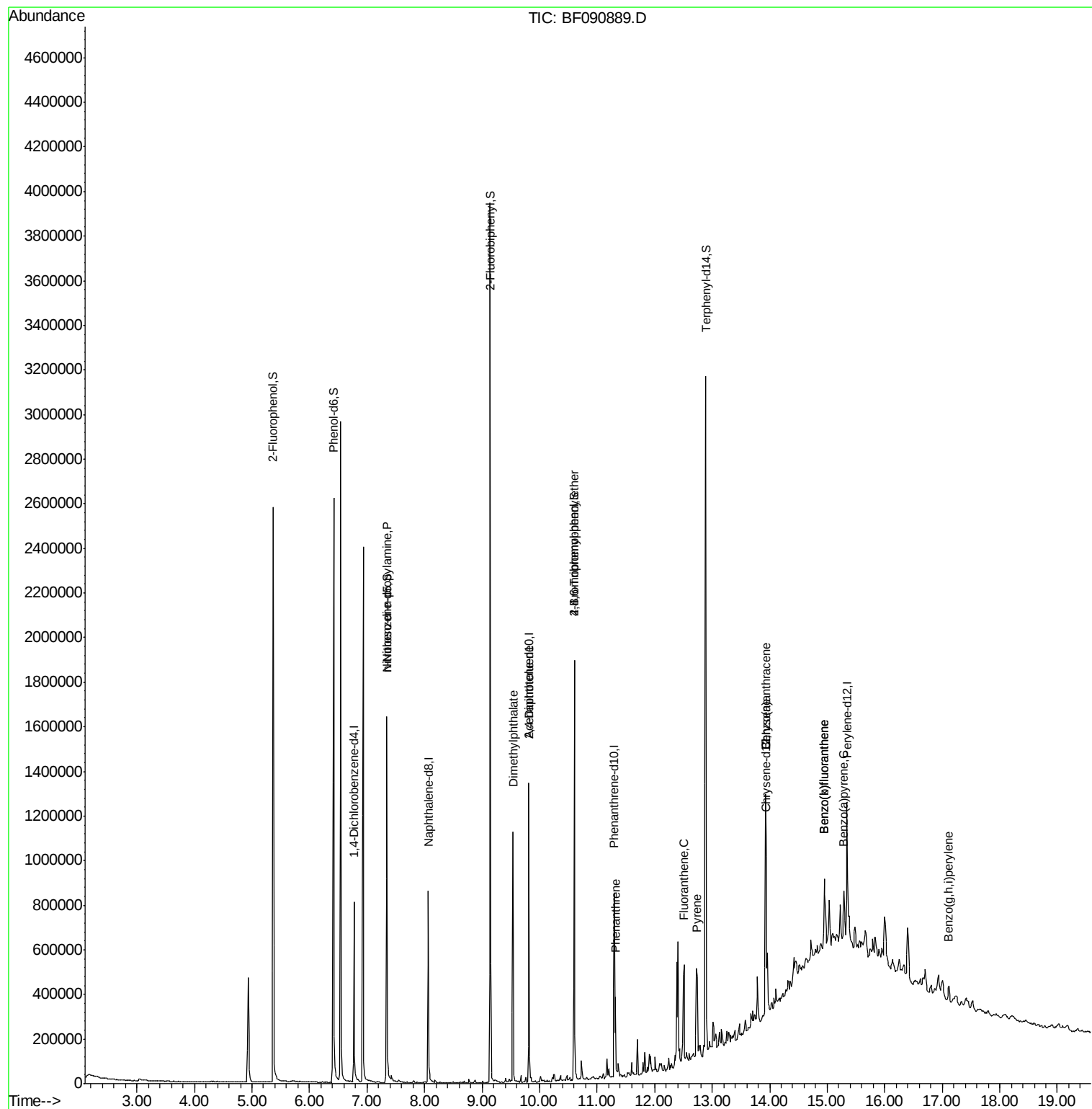
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	140880	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	549136	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	272118	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	364006	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	341409	20.00	ng	-0.01
86) Perylene-d12	15.35	264	265069	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	864196	107.25	ng	0.00
7) Phenol-d6	6.42	99	1237116	113.80	ng	0.00
23) Nitrobenzene-d5	7.34	82	747543	89.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	237436	84.91	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1234570	79.67	ng	-0.01
78) Terphenyl-d14	12.89	244	1036407	76.48	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	94902	15.10	ng	# 48
49) Dimethylphthalate	9.54	163	521100	28.66	ng	# 98
56) 2,4-Dinitrotoluene	9.81	165	35768	7.17	ng	# 33
66) 4-Bromophenyl-phenylether	10.60	248	16151	4.05	ng	# 1
70) Phenanthrene	11.32	178	157225	8.48	ng	98
74) Fluoranthene	12.51	202	233361	11.50	ng	90
77) Pyrene	12.74	202	224449	10.39	ng	98
80) Benzo(a)anthracene	13.93	228	134274	7.41	ng	# 90
82) Chrysene	13.93	228	134274	7.33	ng	# 91
87) Benzo(b)fluoranthene	14.95	252	202524	11.36	ng	92
88) Benzo(k)fluoranthene	14.95	252	202524	14.38	ng	# 92
89) Benzo(a)pyrene	15.29	252	104054	6.79	ng	# 90
91) Benzo(g,h,i)perylene	17.12	276	48725	3.99	ng	# 80

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

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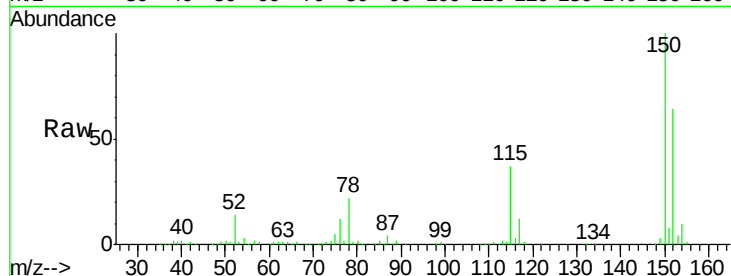




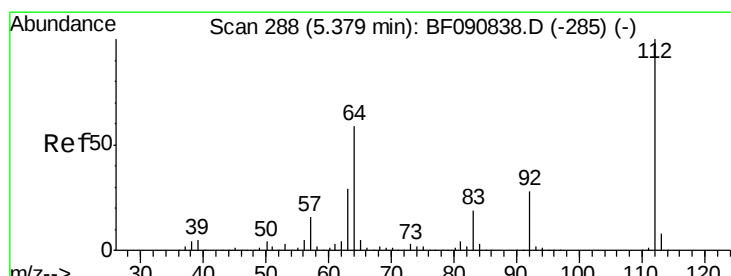
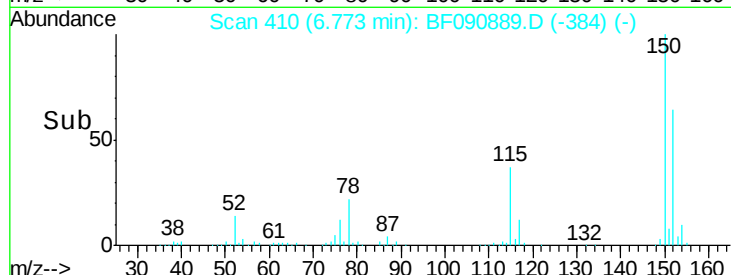
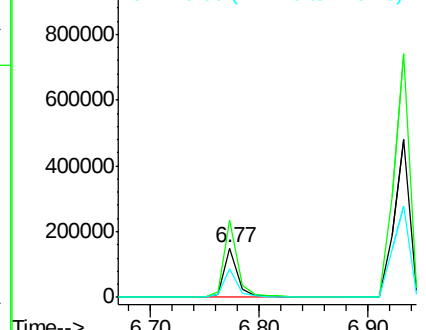
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

Tgt Ion:152 Resp: 140880
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.7 187.1
 115 57.8 39.0 58.4

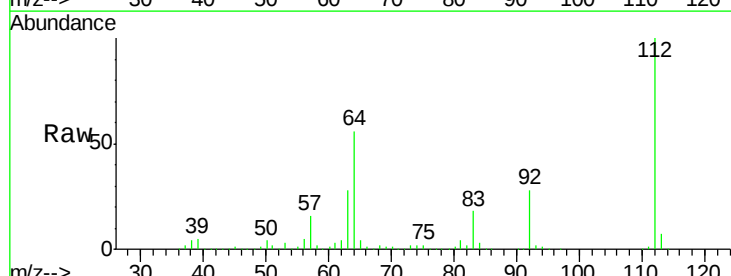


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

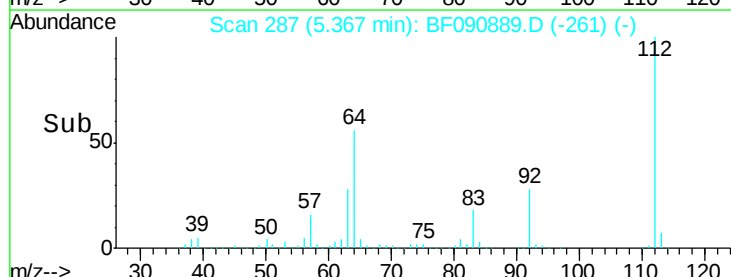
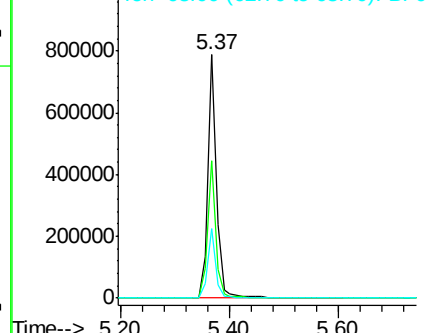


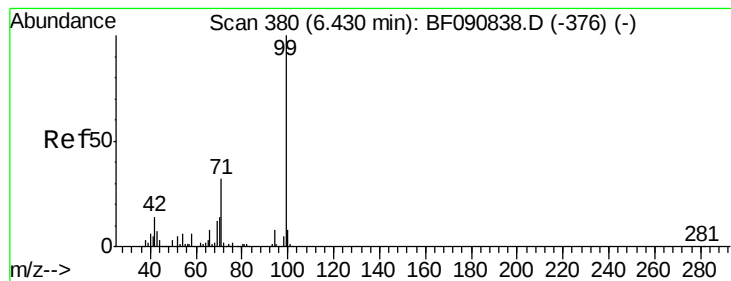
#5
 2-Fluorophenol
 Concen: 107.25 ng
 RT: 5.37 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Tgt Ion:112 Resp: 864196
 Ion Ratio Lower Upper
 112 100
 64 56.5 39.7 59.5
 63 28.4 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: 113.80 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-5COMP(0-16FEET)

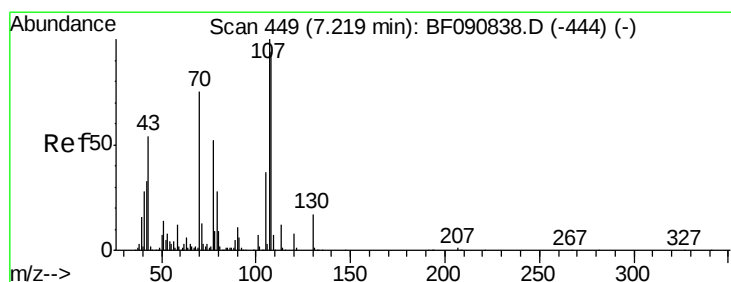
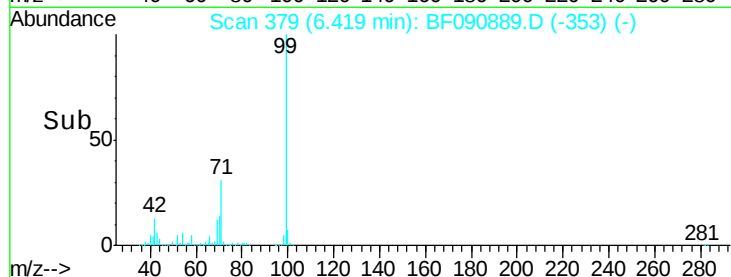
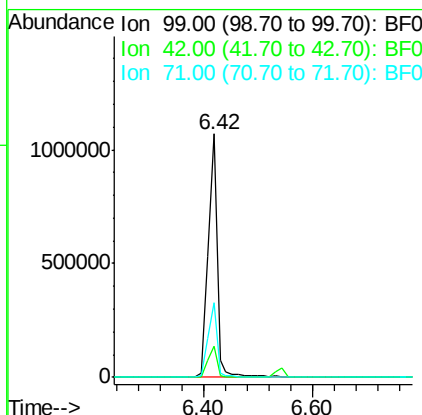
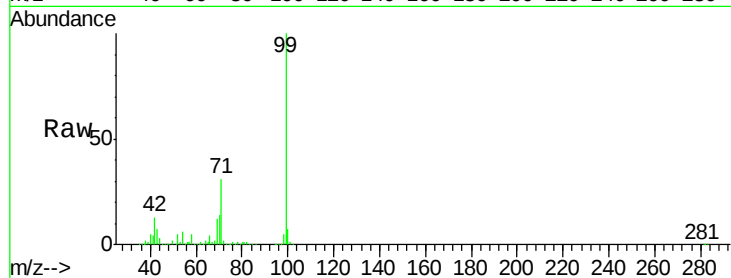
Tgt Ion: 99 Resp: 1237116

Ion Ratio Lower Upper

99 100

42 12.6 13.7 20.5#

71 30.7 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 15.10 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Tgt Ion: 70 Resp: 94902

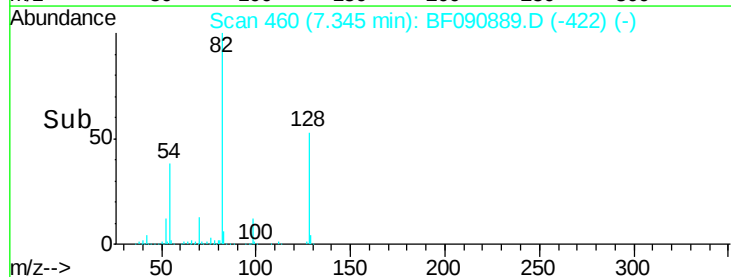
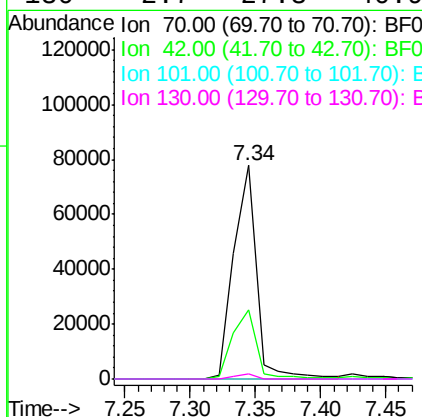
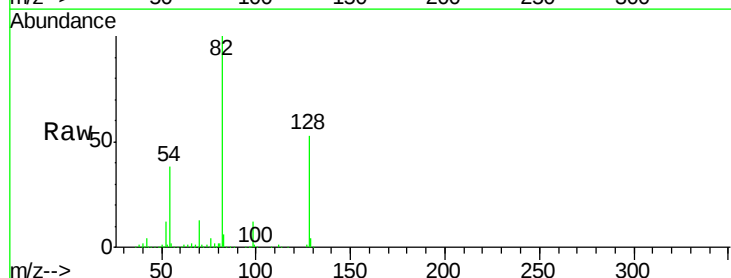
Ion Ratio Lower Upper

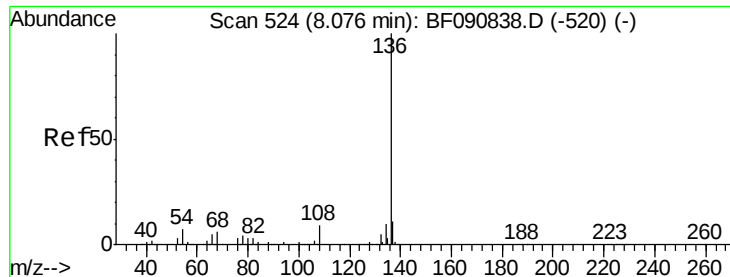
70 100

42 32.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.7 27.3 40.9#

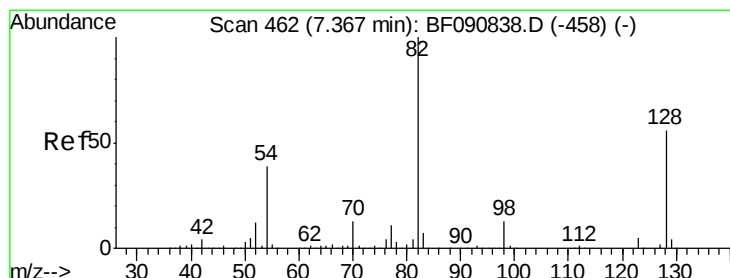
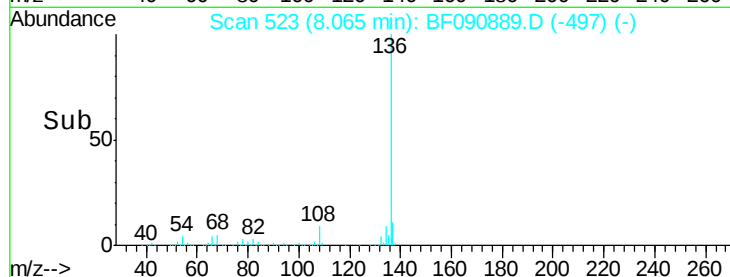
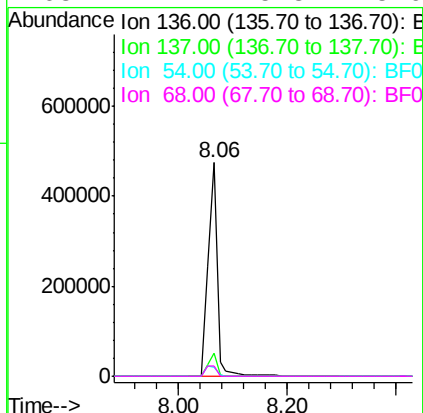
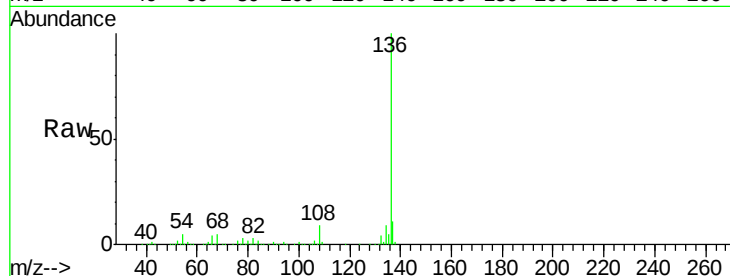




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

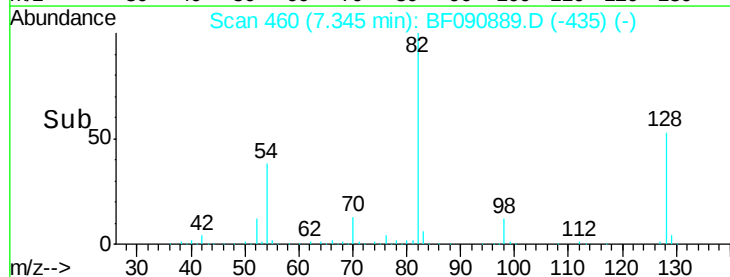
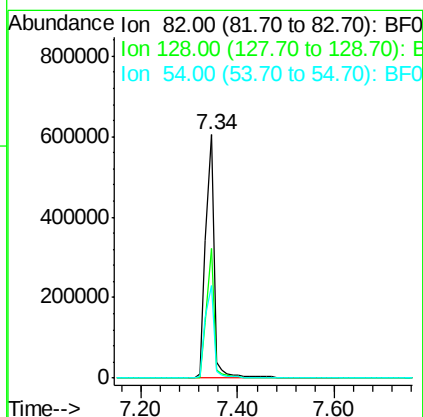
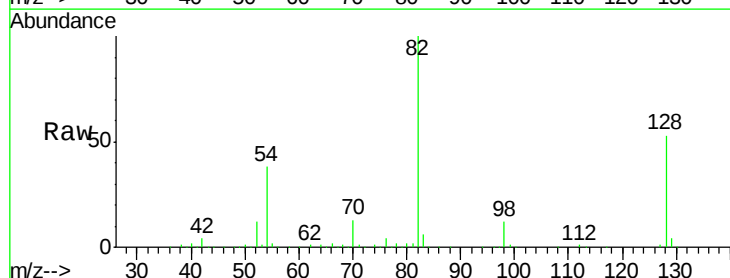
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SB-5COMP(0-16FEET)

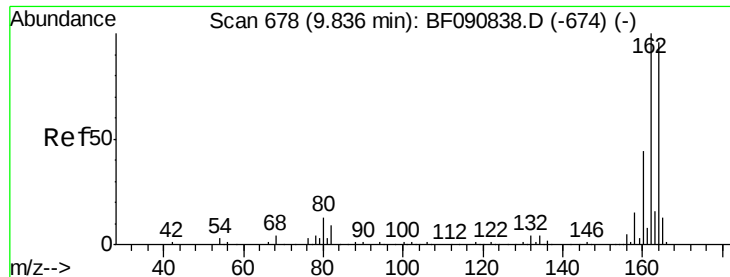
Tgt Ion:	136	Resp:	549136
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.6
54	4.5	8.2	12.2#
68	4.7	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 89.12 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion:	82	Resp:	747543
Ion Ratio	Lower	Upper	
82	100		
128	53.2	51.0	76.6
54	38.0	47.5	71.3#

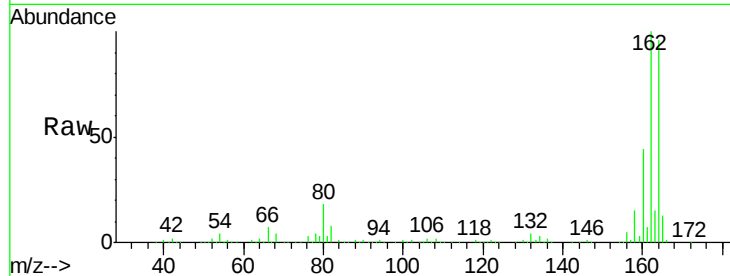




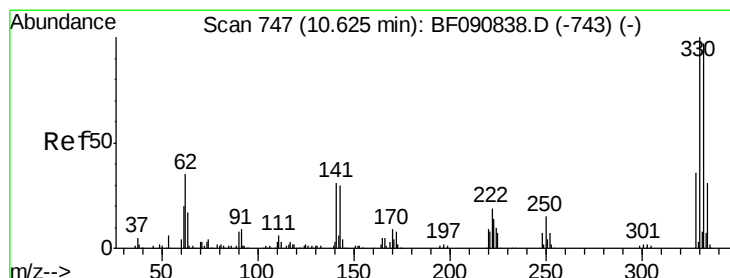
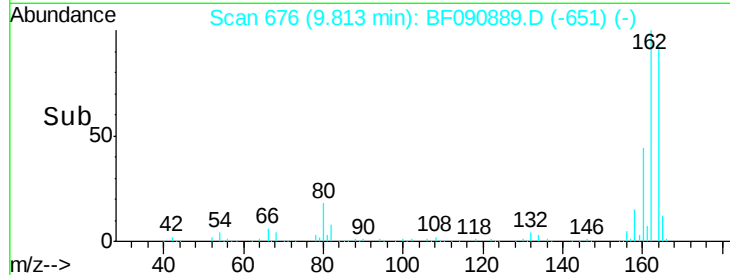
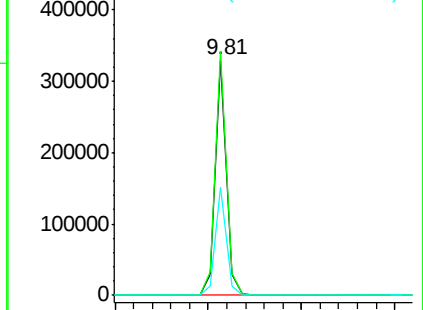
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-5COMP(0-16FEET)

Tgt Ion:164 Resp: 272118
Ion Ratio Lower Upper
164 100
162 103.7 75.2 112.8
160 45.8 31.5 47.3

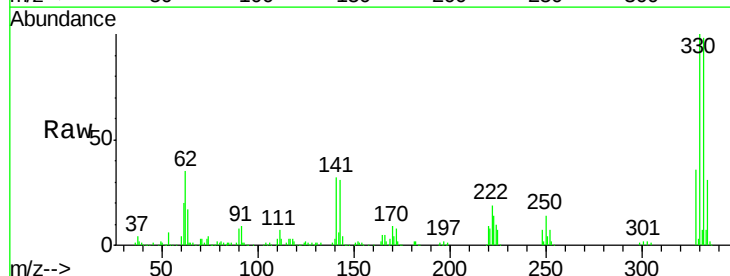


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

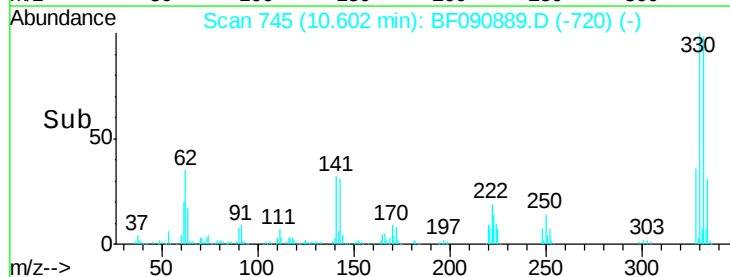
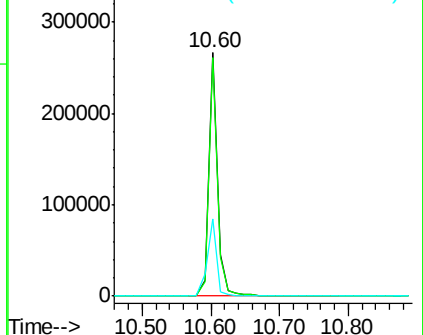


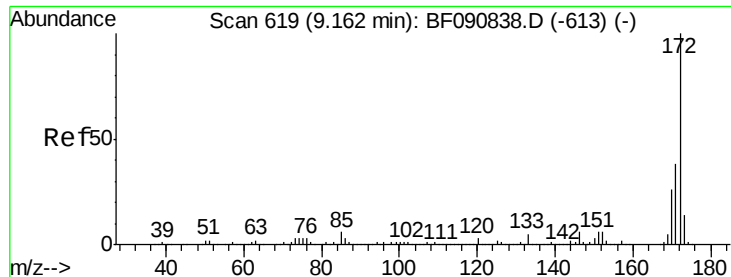
#41
2,4,6-Tribromophenol
Concen: 84.91 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion:330 Resp: 237436
Ion Ratio Lower Upper
330 100
332 96.8 76.6 114.8
141 34.6 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

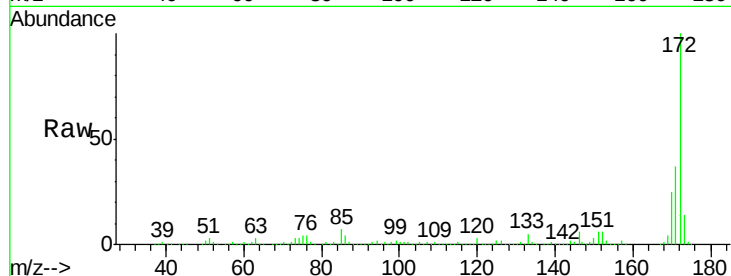




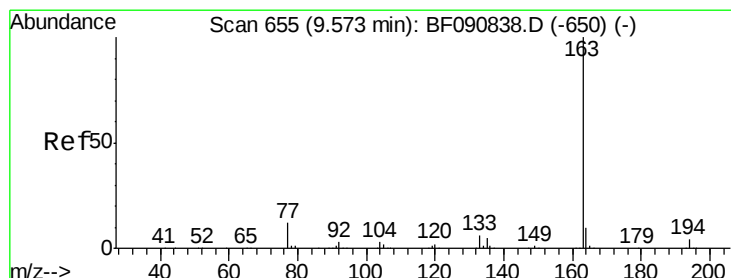
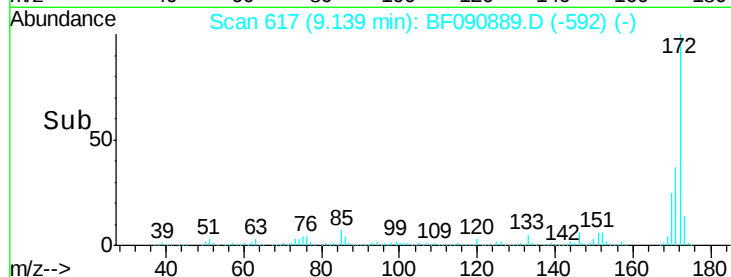
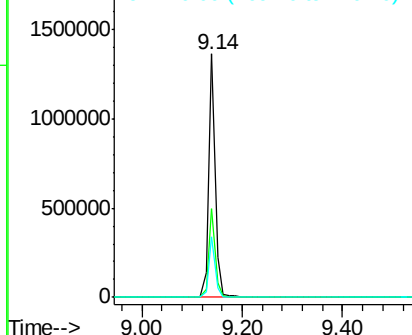
#44
2-Fluorobiphenyl
Concen: 79.67 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

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Tgt Ion:172 Resp: 1234570
Ion Ratio Lower Upper
172 100
171 36.7 26.1 39.1
170 24.6 17.4 26.2

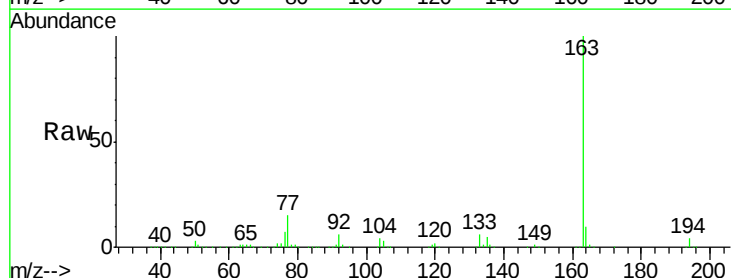


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

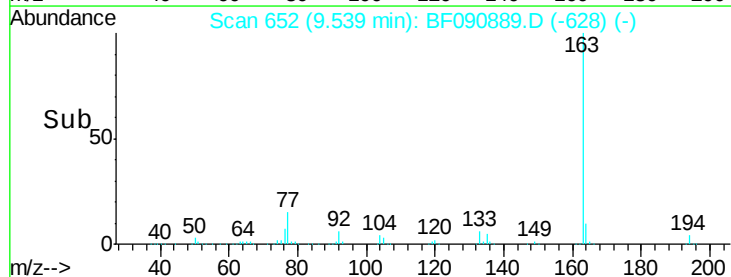
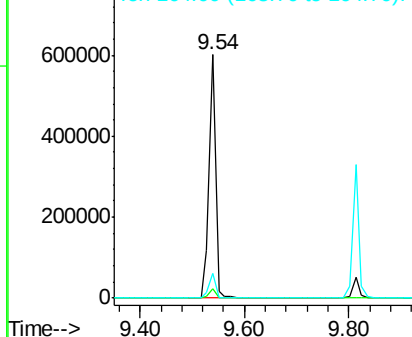


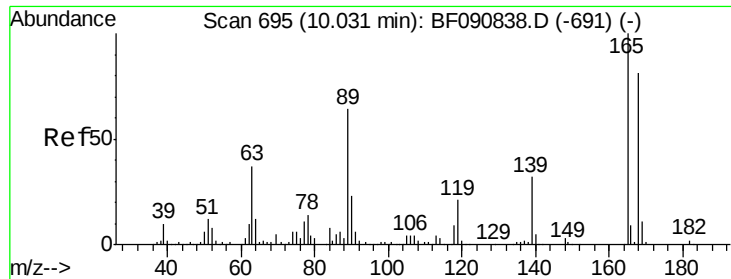
#49
Dimethylphthalate
Concen: 28.66 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion:163 Resp: 521100
Ion Ratio Lower Upper
163 100
194 3.8 4.4 6.6#
164 10.2 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

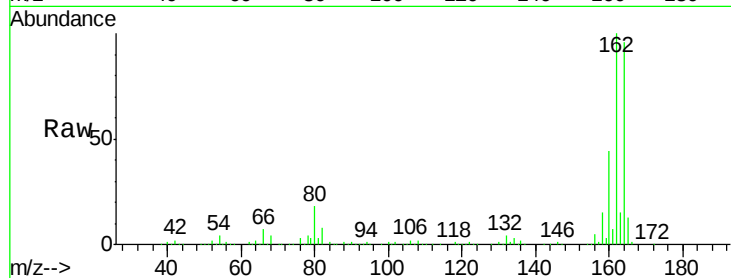




#56
 2,4-Dinitrotoluene
 Concen: 7.17 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.21 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

Tgt Ion:	165	Resp:	35768
Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.8	44.6#
89	0.8	44.5	66.7#
182	0.0	3.0	4.4#

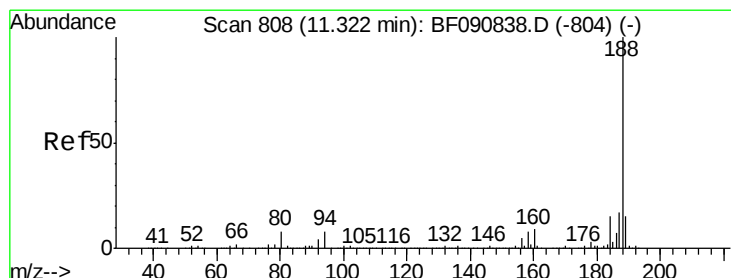
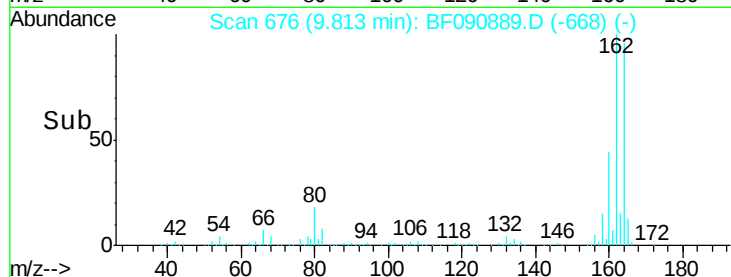
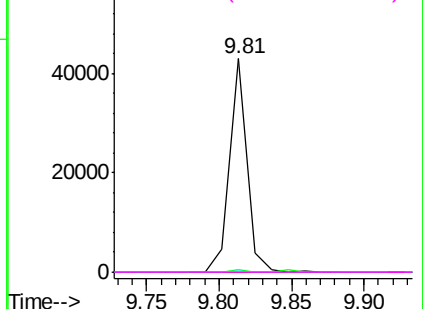


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

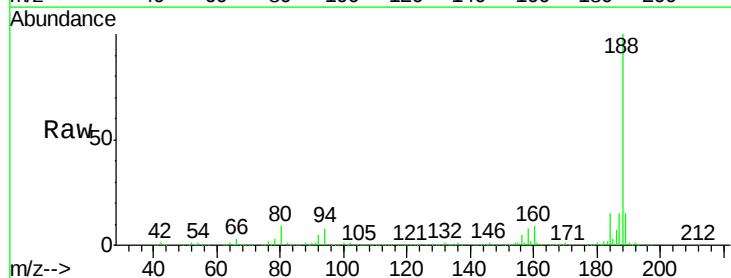
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

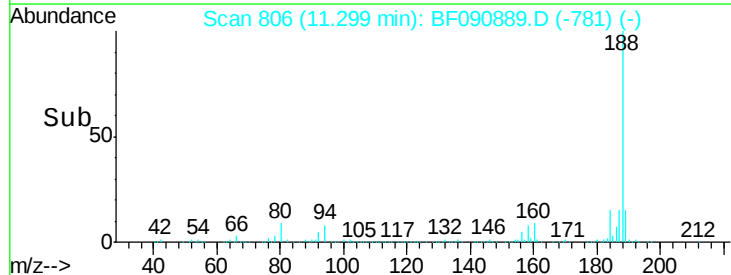
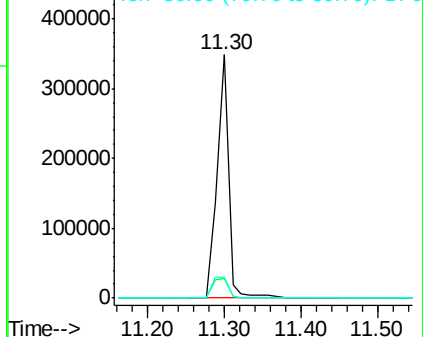
Tgt Ion:	188	Resp:	364006
Ion	Ratio	Lower	Upper
188	100		
94	7.9	11.1	16.7#
80	8.7	11.0	16.4#

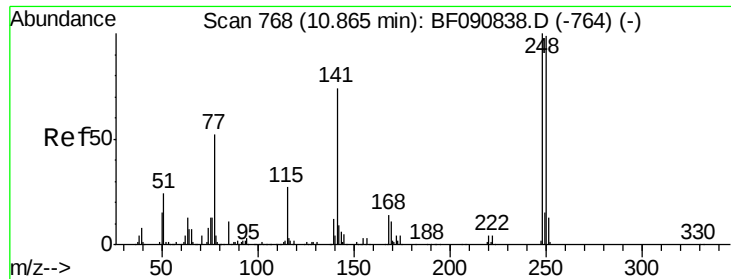


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

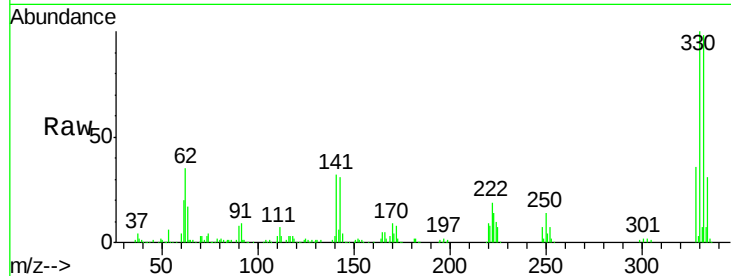




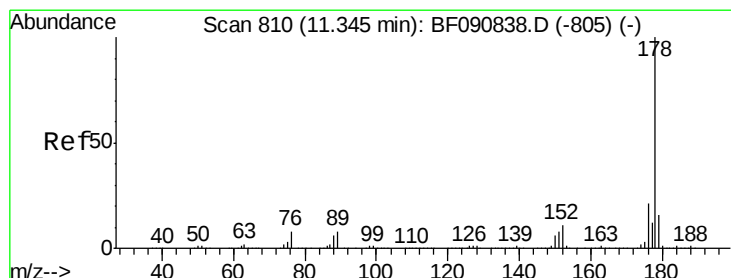
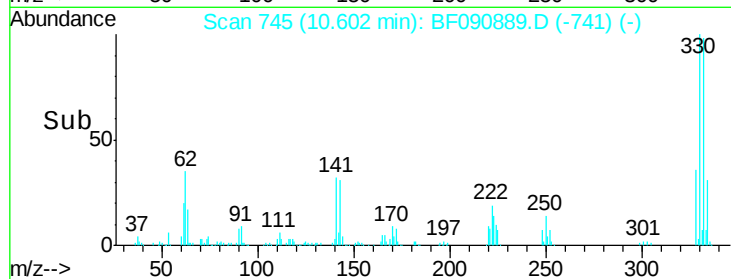
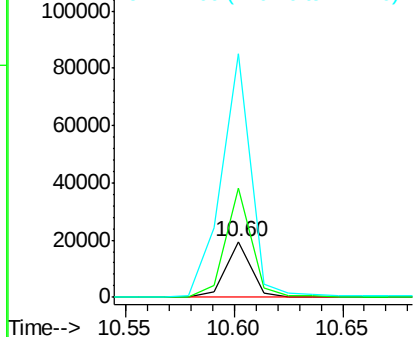
#66
 4-Bromophenyl-phenylether
 Concen: 4.05 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.25 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

Tgt Ion: 248 Resp: 16151
 Ion Ratio Lower Upper
 248 100
 250 197.2 78.5 117.7#
 141 438.4 59.0 88.6#

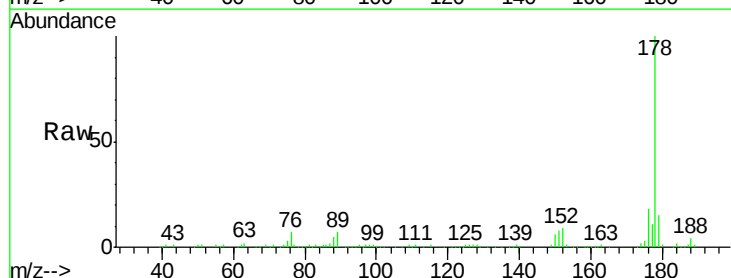


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

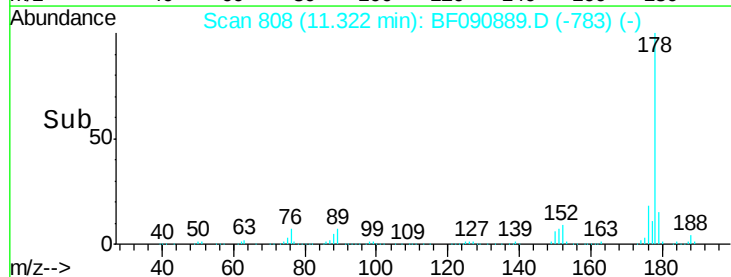
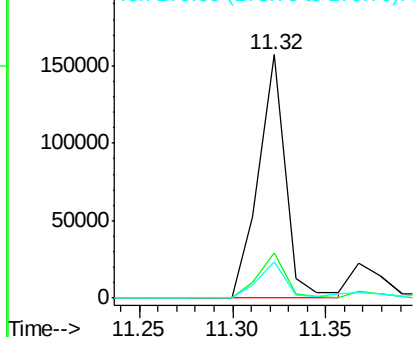


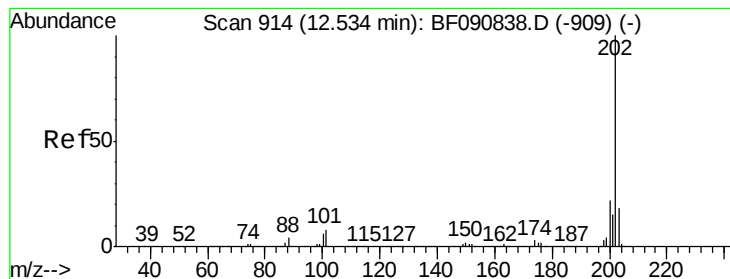
#70
 Phenanthrene
 Concen: 8.48 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Tgt Ion: 178 Resp: 157225
 Ion Ratio Lower Upper
 178 100
 176 18.5 13.8 20.8
 179 15.0 12.2 18.2



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: 11.50 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-5COMP(0-16FEET)

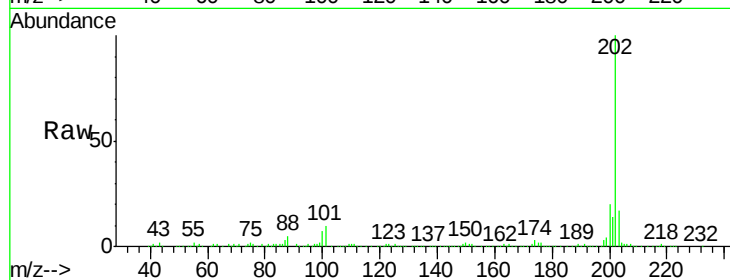
Tgt Ion: 202 Resp: 233361

Ion Ratio Lower Upper

202 100

101 9.7 0.0 38.3

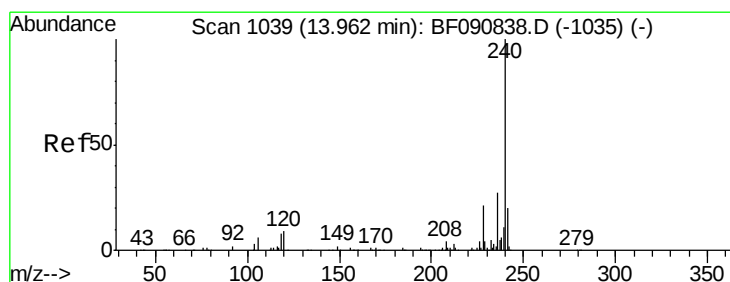
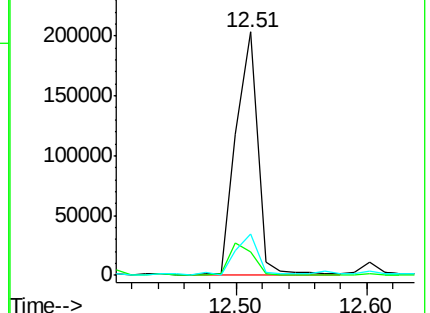
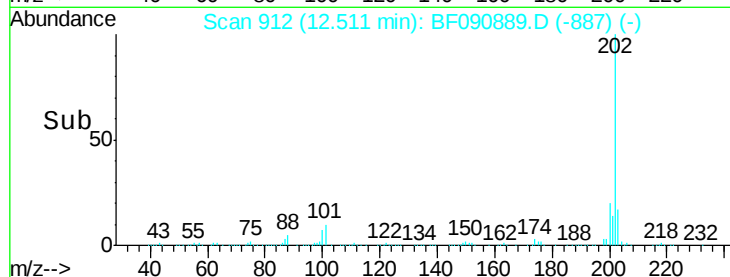
203 17.0 0.0 37.3



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: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

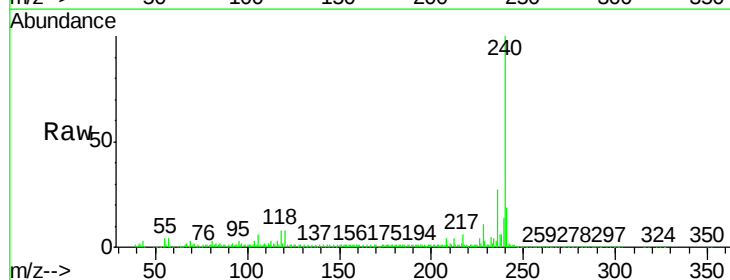
Tgt Ion: 240 Resp: 341409

Ion Ratio Lower Upper

240 100

120 8.3 16.2 24.2#

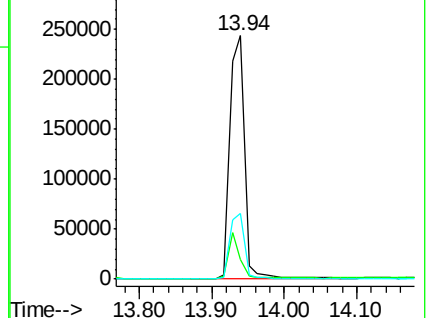
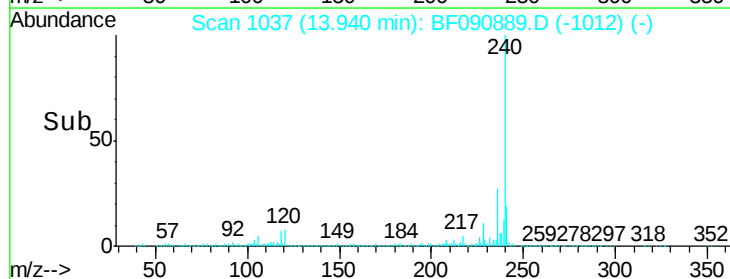
236 27.1 18.4 27.6

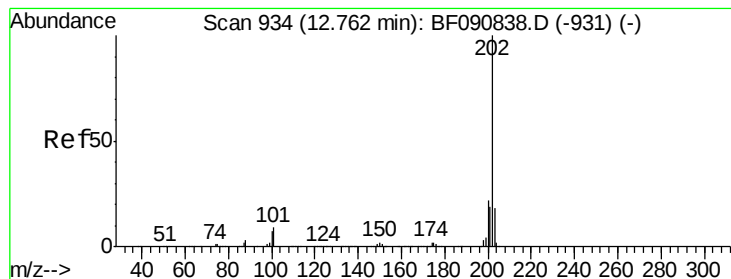


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.39 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-5COMP(0-16FEET)

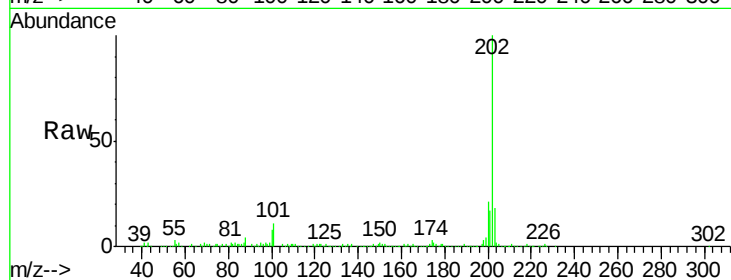
Tgt Ion:202 Resp: 224449

Ion Ratio Lower Upper

202 100

200 20.6 15.0 22.4

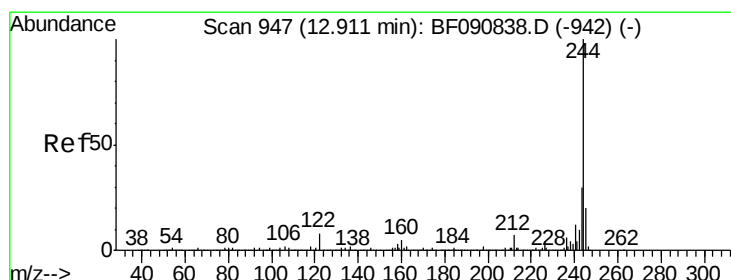
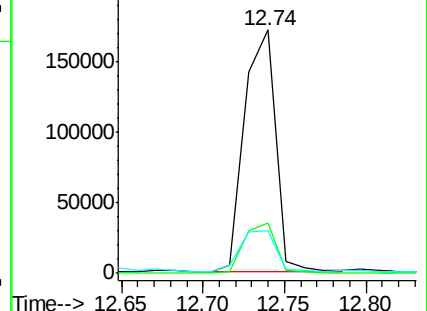
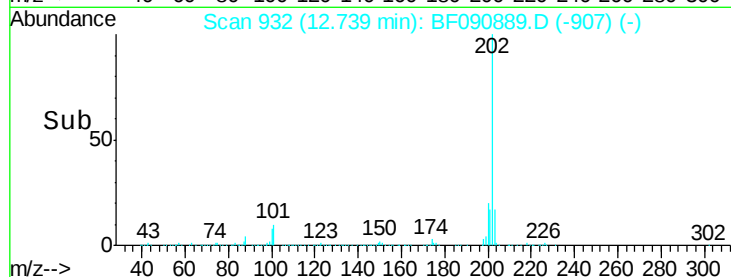
203 17.5 14.1 21.1



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: 76.48 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

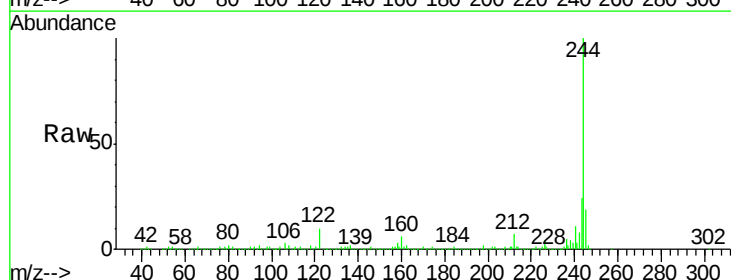
Tgt Ion:244 Resp: 1036407

Ion Ratio Lower Upper

244 100

212 6.7 4.3 6.5#

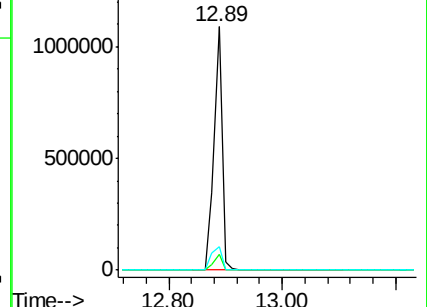
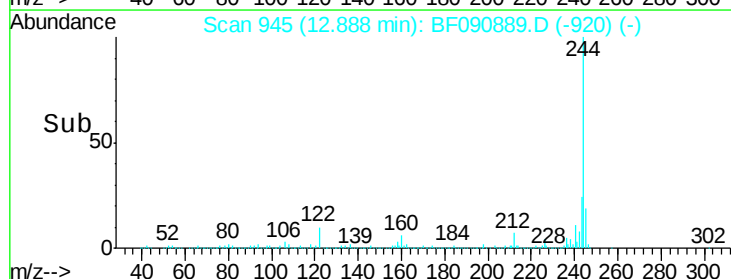
122 9.8 17.4 26.2#

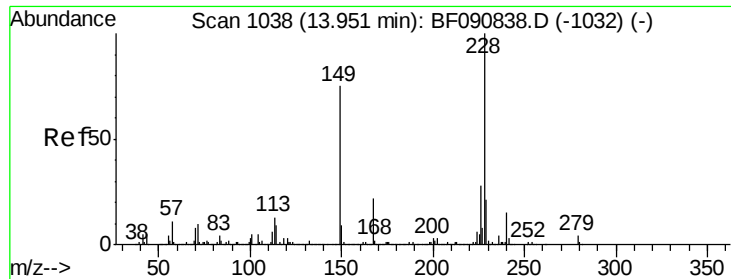


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.41 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

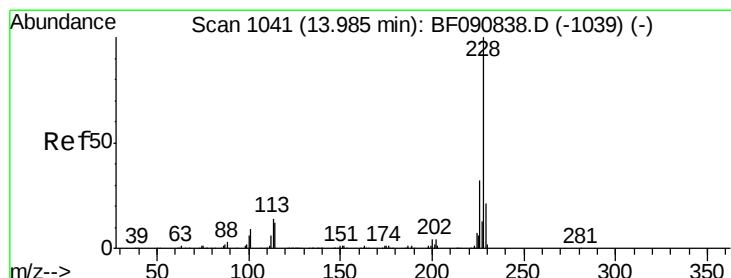
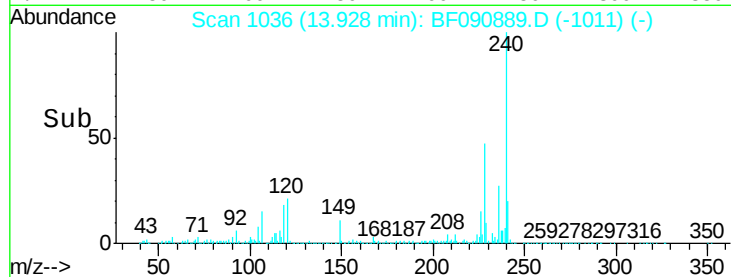
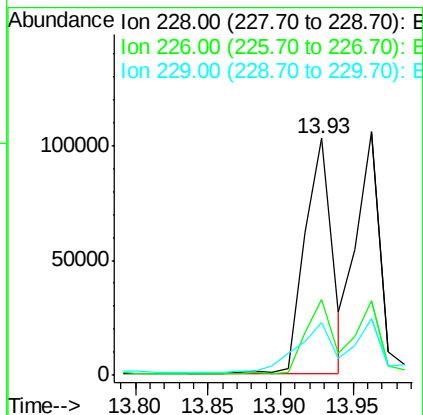
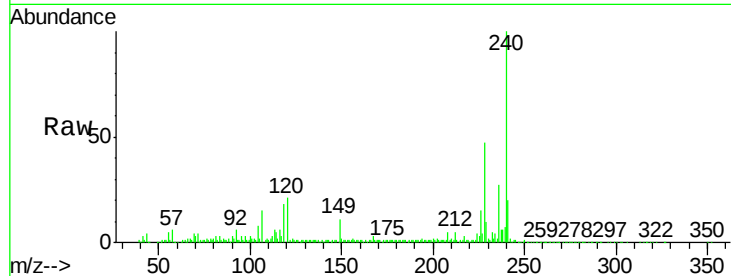
Instrument :

BNA_F

ClientSampleId :

SB-5COMP(0-16FEET)

Tgt Ion:	228	Resp:	134274
Ion	Ratio	Lower	Upper
228	100		
226	31.8	20.0	30.0#
229	22.1	15.4	23.2



#82

Chrysene

Concen: 7.33 ng

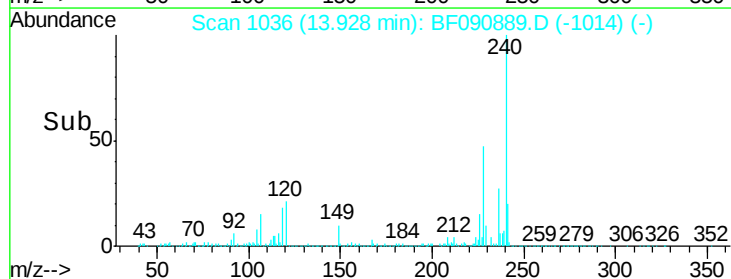
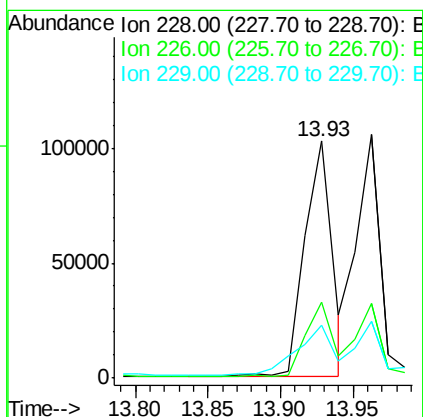
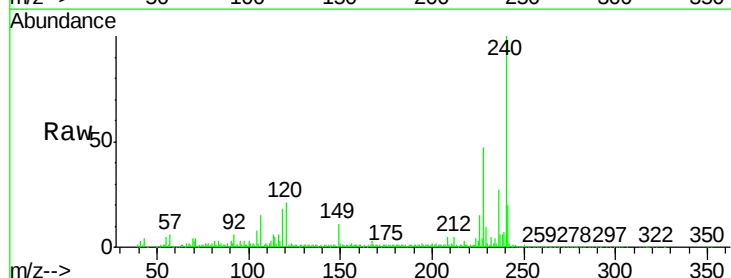
RT: 13.93 min Scan# 1036

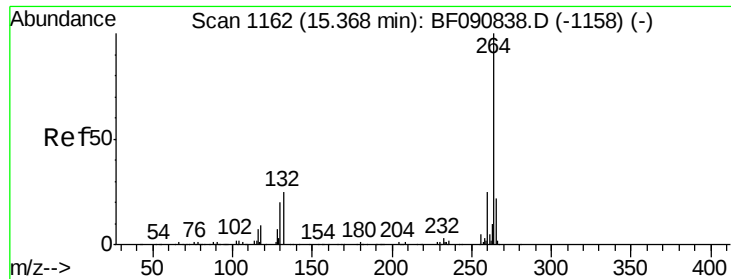
Delta R.T. -0.05 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Tgt Ion:	228	Resp:	134274
Ion	Ratio	Lower	Upper
228	100		
226	31.8	21.0	31.4#
229	22.1	15.6	23.4

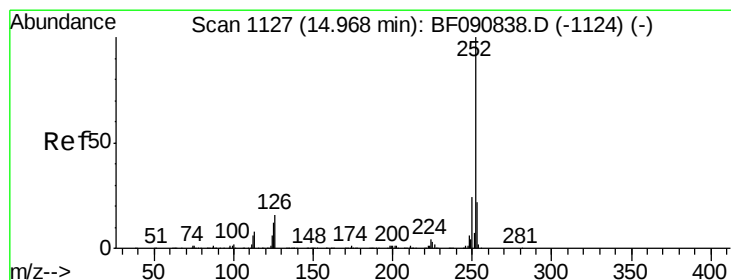
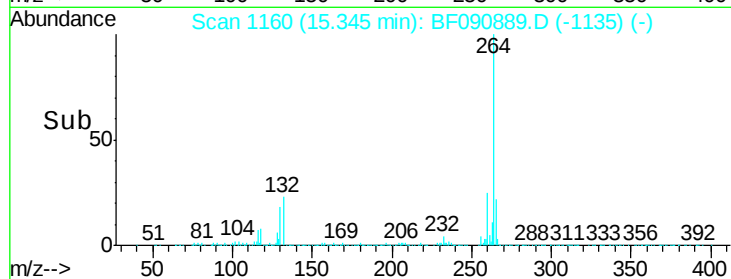
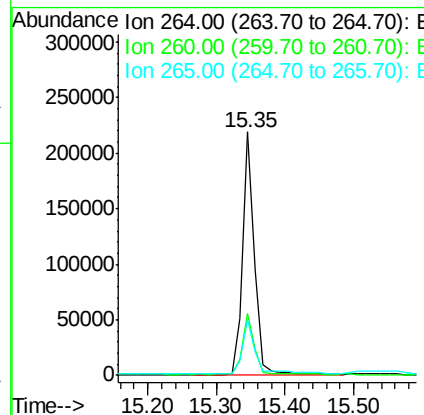
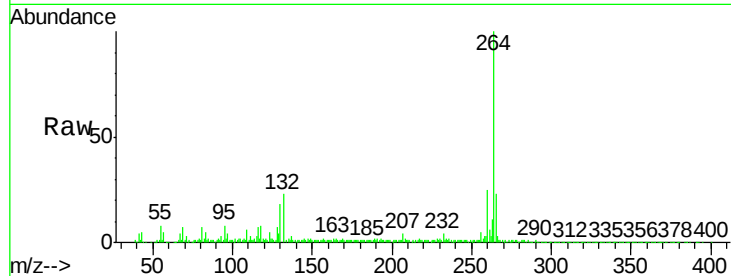




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

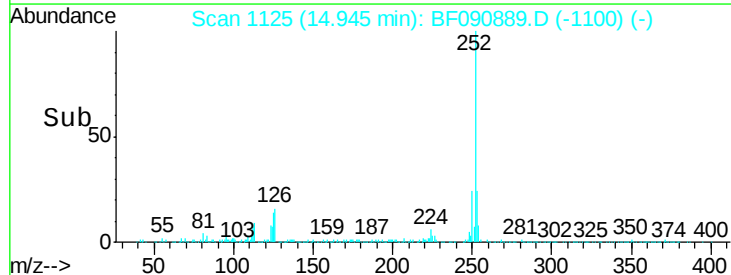
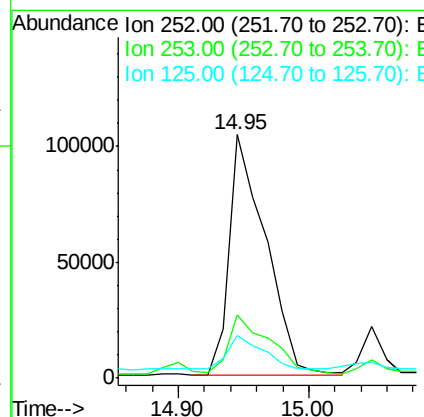
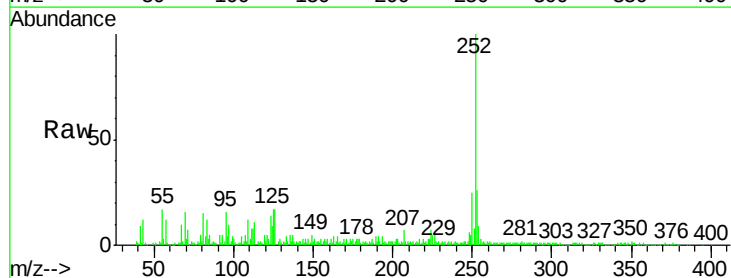
Instrument :
BNA_F
ClientSampleId :
SB-5COMP(0-16FEET)

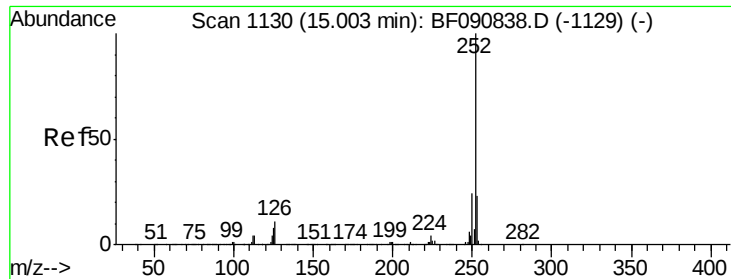
Tgt Ion: 264 Resp: 265069
Ion Ratio Lower Upper
264 100
260 25.3 16.7 25.1#
265 22.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 11.36 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion: 252 Resp: 202524
Ion Ratio Lower Upper
252 100
253 25.8 17.5 26.3
125 17.3 17.1 25.7

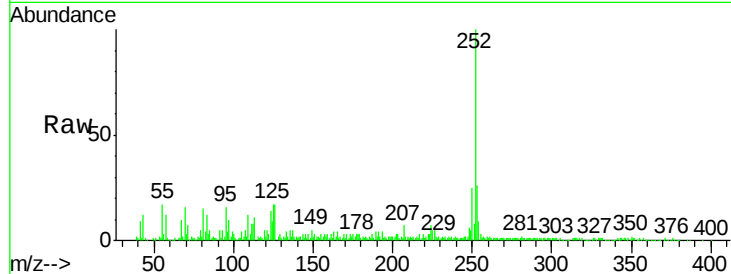




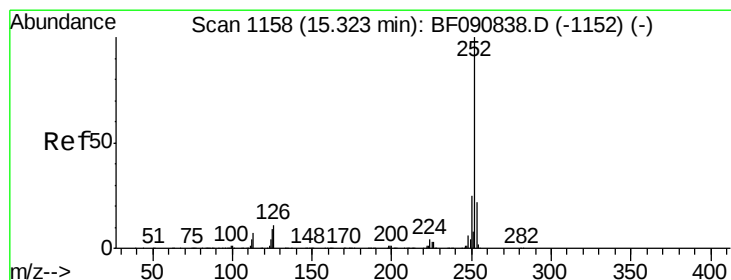
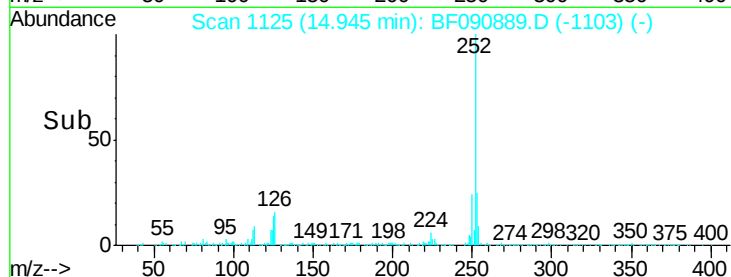
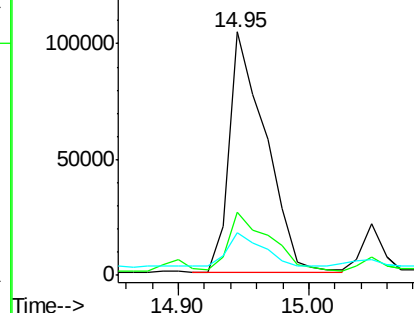
#88
Benzo(k)fluoranthene
Concen: 14.38 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-5COMP(0-16FEET)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.4#
125	17.3	16.0	24.0

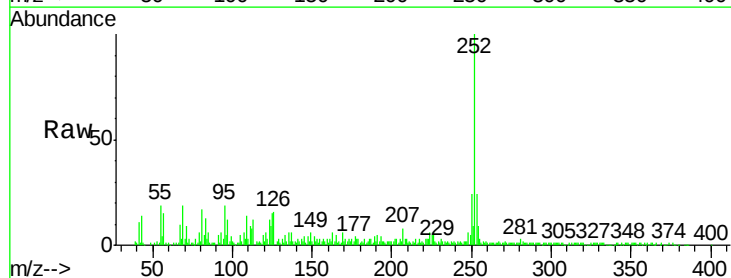


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

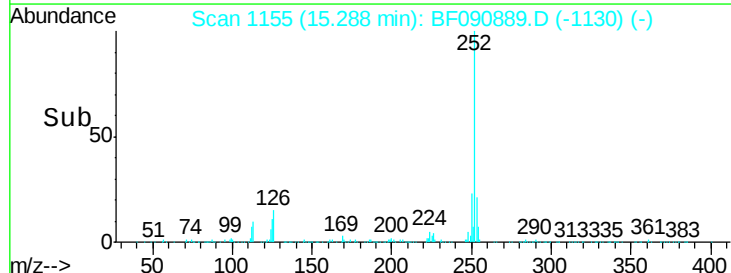
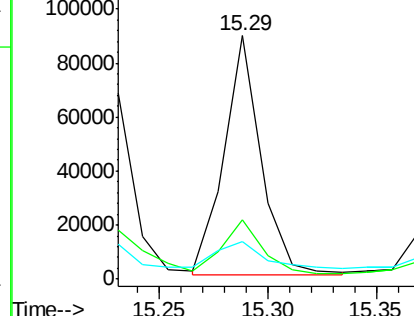


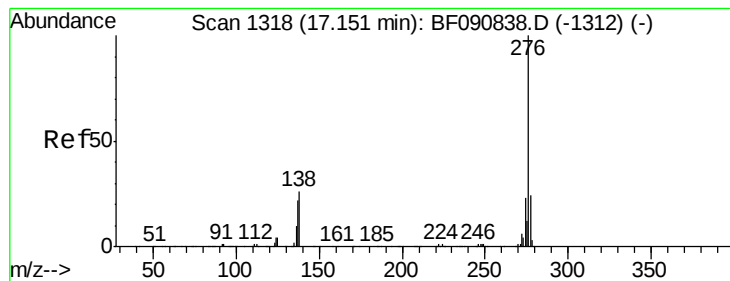
#89
Benzo(a)pyrene
Concen: 6.79 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	15.4	18.0	27.0#



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





#91

Benzo(g,h,i)perylene

Concen: 3.99 ng

RT: 17.12 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF090889.D

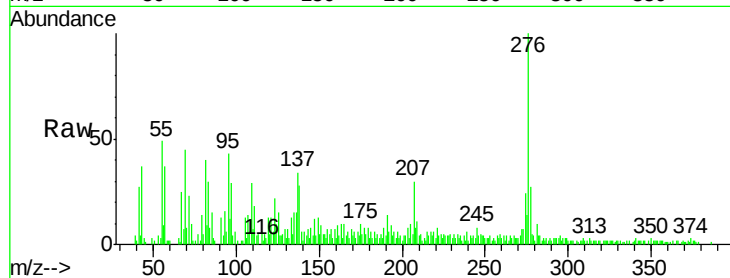
Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-5COMP(0-16FEET)



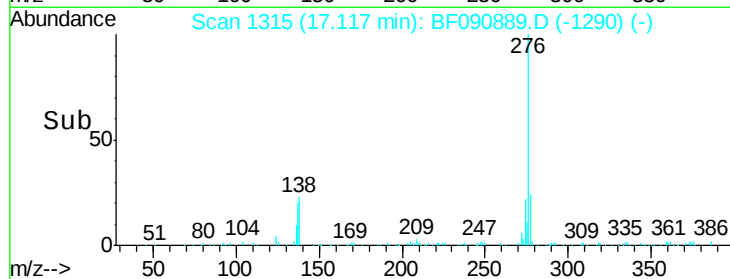
Tgt Ion: 276 Resp: 48725

Ion Ratio Lower Upper

276 100

277 27.2 17.8 26.6#

138 27.5 34.6 51.8#



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

