

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090886.D
 Acq On : 28 Oct 2016 00:14
 Operator : UM/SJ
 Sample : H5423-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Quant Time: Oct 28 01:17:01 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	150537	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	595790	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	309246	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	431523	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	337859	20.00	ng	-0.02
86) Perylene-d12	15.35	264	310779	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1489526	173.00	ng	0.01
7) Phenol-d6	6.42	99	1492762	128.51	ng	0.00
23) Nitrobenzene-d5	7.34	82	1043444	114.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	419253	131.92	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1770073	100.51	ng	-0.01
78) Terphenyl-d14	12.89	244	1337474	99.73	ng	-0.01

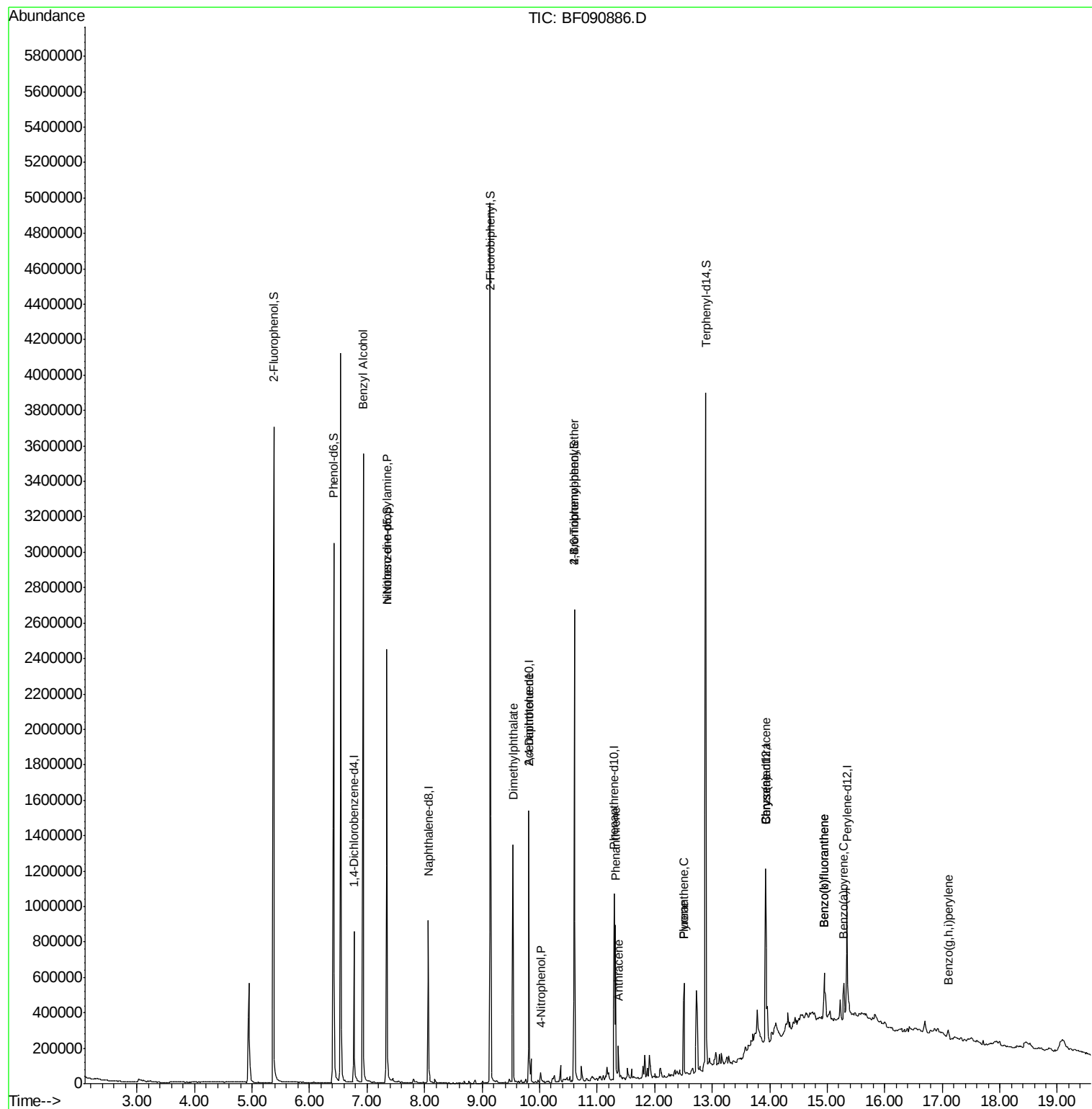
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.93	79	16862	2.21	ng	# 31
19) n-Nitroso-di-n-propylamine	7.34	70	140319	20.89	ng	# 49
49) Dimethylphthalate	9.54	163	616542	29.84	ng	# 98
55) 4-Nitrophenol	10.02	139	8335	2.81	ng	# 28
56) 2,4-Dinitrotoluene	9.81	165	41095	7.25	ng	# 32
66) 4-Bromophenyl-phenylether	10.60	248	25649	5.43	ng	# 1
70) Phenanthrene	11.32	178	349482	15.90	ng	98
71) Anthracene	11.37	178	90605	3.92	ng	98
74) Fluoranthene	12.51	202	296734	12.33	ng	88
77) Pyrene	12.51	202	296734	13.88	ng	98
80) Benzo(a)anthracene	13.93	228	139454	7.78	ng	95
82) Chrysene	13.93	228	139454	7.69	ng	97
87) Benzo(b)fluoranthene	14.95	252	185041	8.85	ng	# 89
88) Benzo(k)fluoranthene	14.95	252	185041	11.20	ng	# 90
89) Benzo(a)pyrene	15.29	252	97846	5.45	ng	# 87
91) Benzo(g,h,i)perylene	17.11	276	36316	2.54	ng	# 81

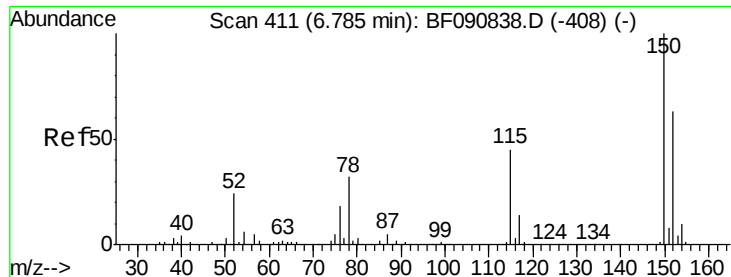
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
Data File : BF090886.D
Acq On : 28 Oct 2016 00:14
Operator : UM/SJ
Sample : H5423-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1COMP(0-16FEET)

Quant Time: Oct 28 01:17:01 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

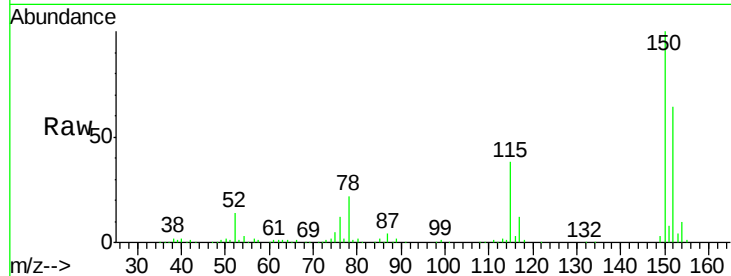




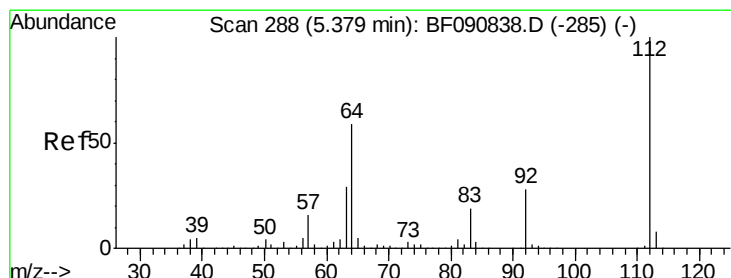
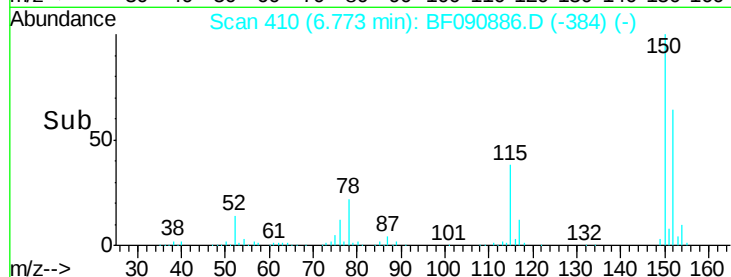
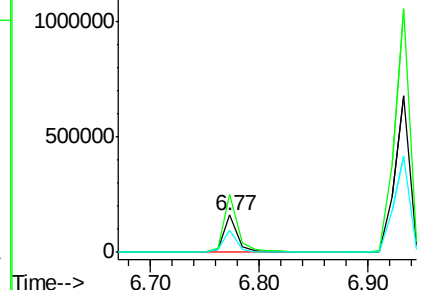
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Tgt Ion:152 Resp: 150537
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.7 187.1
 115 58.5 39.0 58.4#

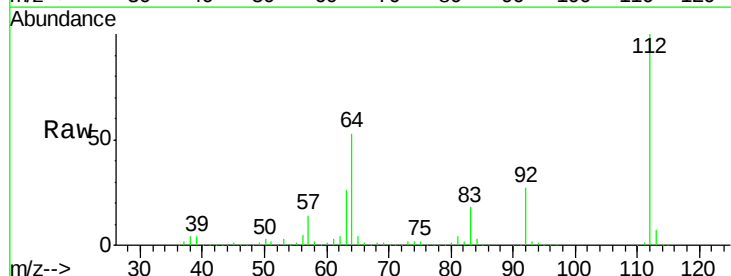


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

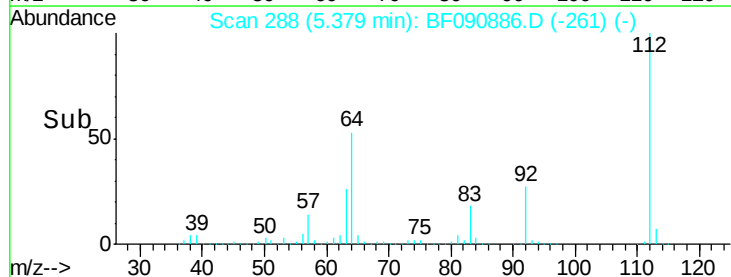
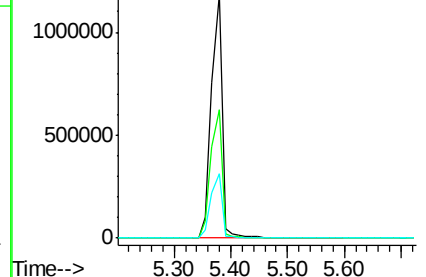


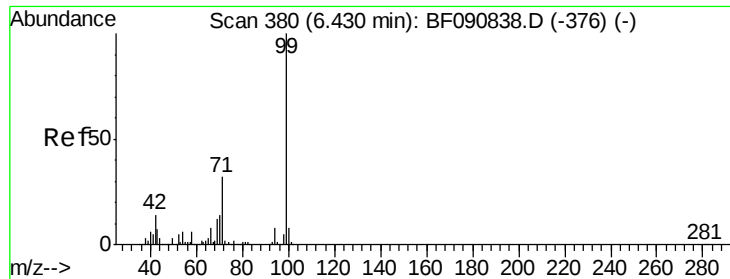
#5
 2-Fluorophenol
 Concen: 173.00 ng
 RT: 5.38 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Tgt Ion:112 Resp: 1489526
 Ion Ratio Lower Upper
 112 100
 64 52.8 39.7 59.5
 63 26.3 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: 128.51 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

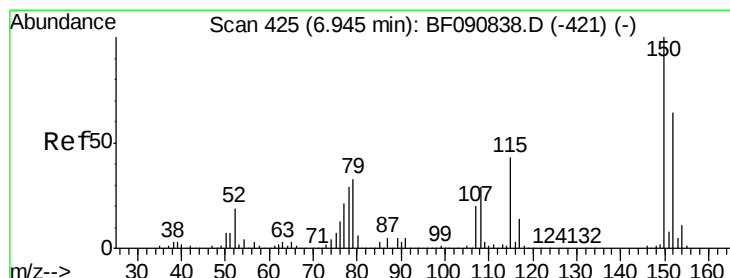
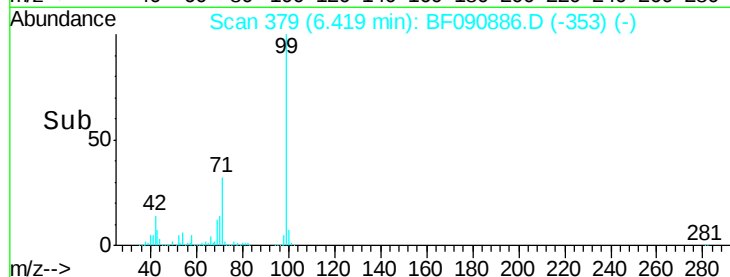
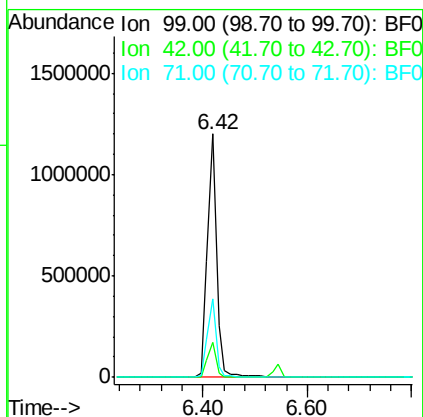
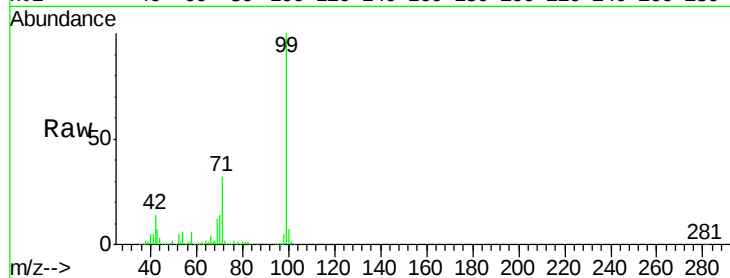
Tgt Ion: 99 Resp: 1492762

Ion Ratio Lower Upper

99 100

42 14.2 13.7 20.5

71 32.1 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.21 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

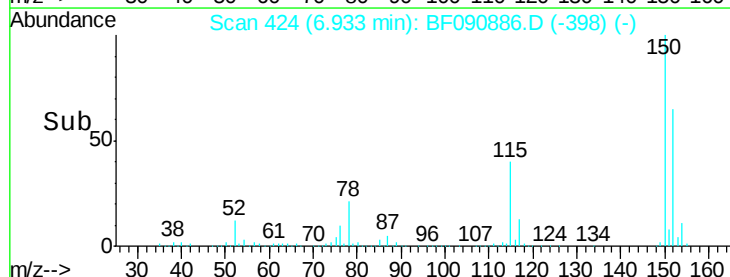
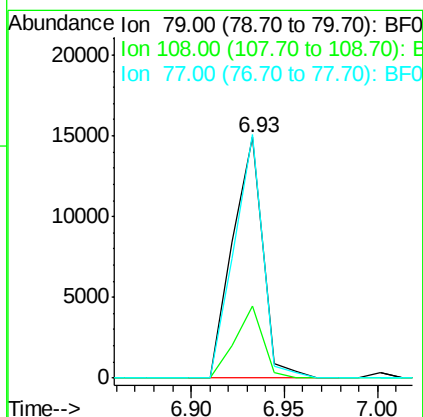
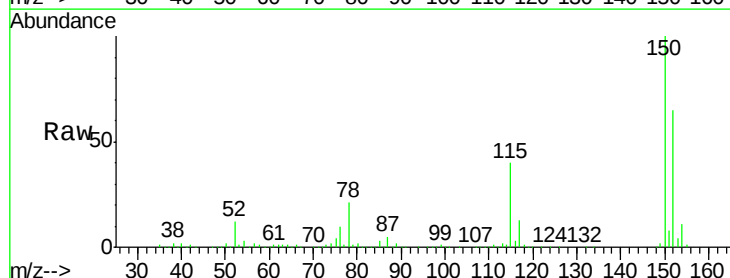
Tgt Ion: 79 Resp: 16862

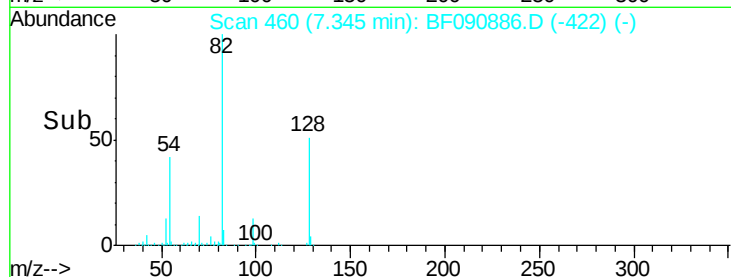
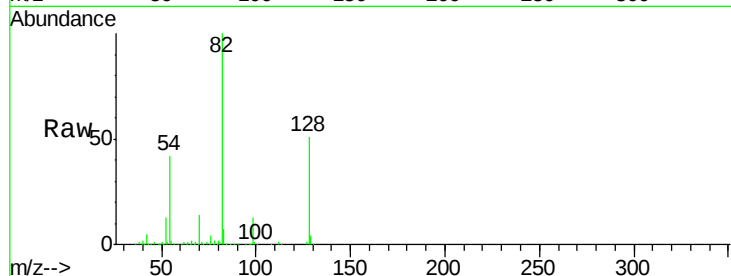
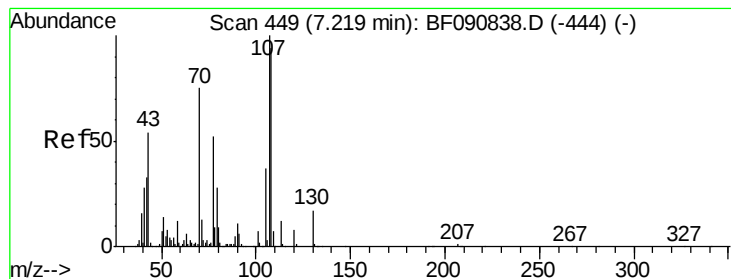
Ion Ratio Lower Upper

79 100

108 30.1 88.6 132.8#

77 101.3 47.0 70.4#





#19

n-Nitroso-di-n-propylamine

Concen: 20.89 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

Tgt Ion: 70 Resp: 140319

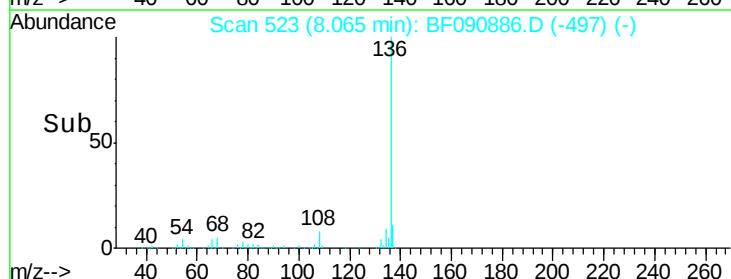
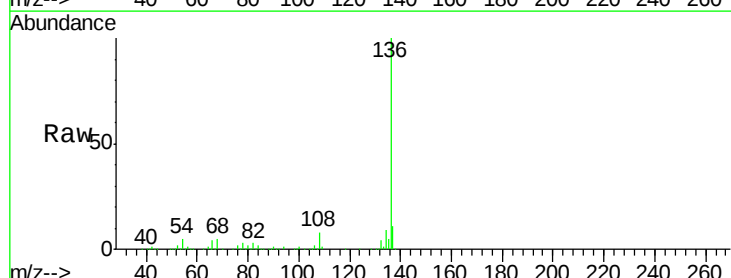
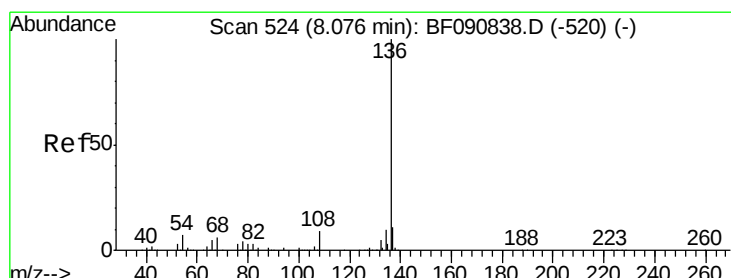
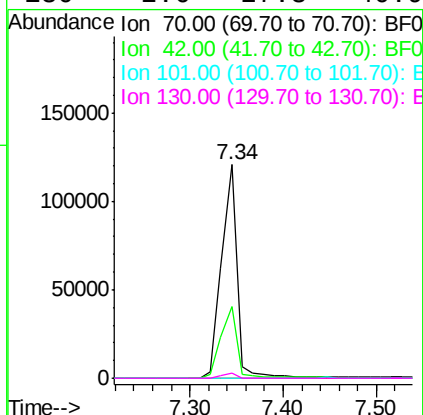
Ion Ratio Lower Upper

70 100

42 33.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.6 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: BF090886.D

Acq: 28 Oct 2016 00:14

Tgt Ion: 136 Resp: 595790

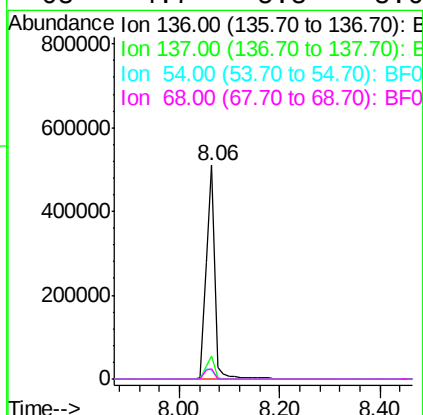
Ion Ratio Lower Upper

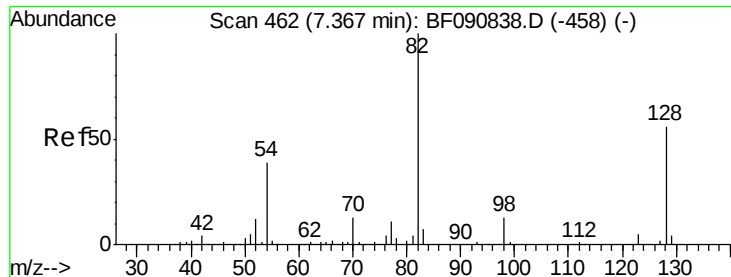
136 100

137 10.7 9.0 13.6

54 4.5 8.2 12.2#

68 4.7 5.8 8.6#

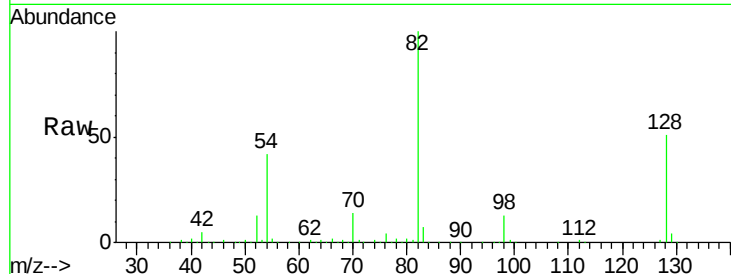




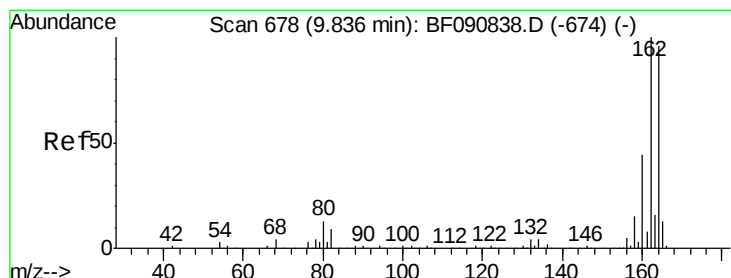
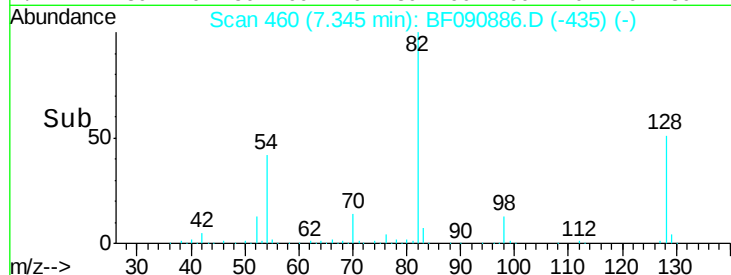
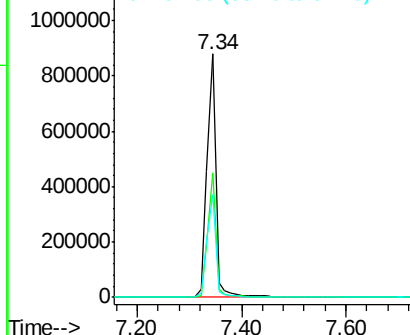
#23
 Nitrobenzene-d5
 Concen: 114.65 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Tgt Ion: 82 Resp: 1043444
 Ion Ratio Lower Upper
 82 100
 128 51.4 51.0 76.6
 54 42.1 47.5 71.3#

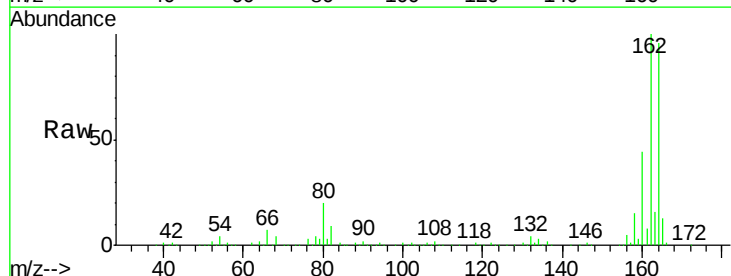


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

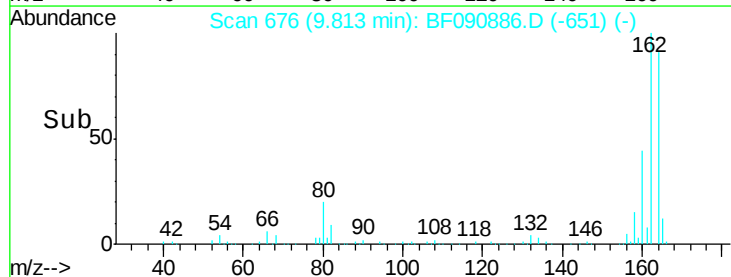
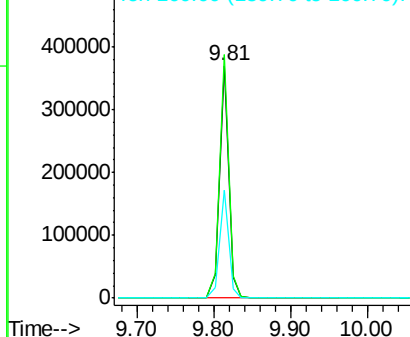


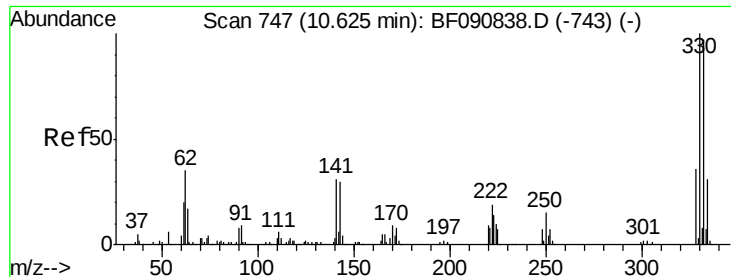
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Tgt Ion: 164 Resp: 309246
 Ion Ratio Lower Upper
 164 100
 162 104.7 75.2 112.8
 160 46.3 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

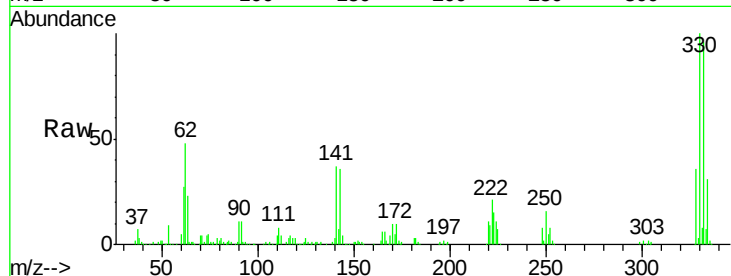




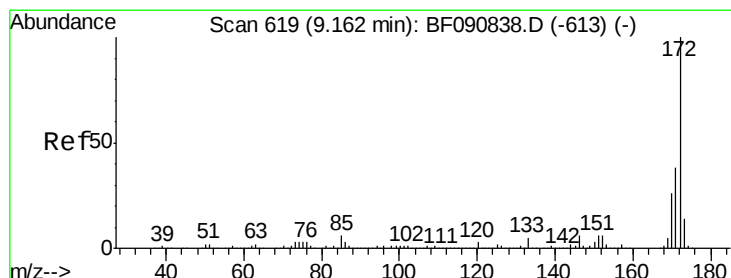
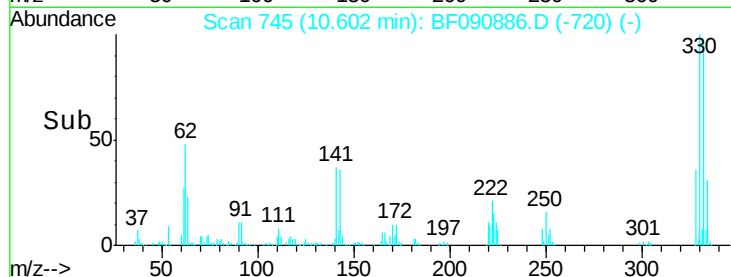
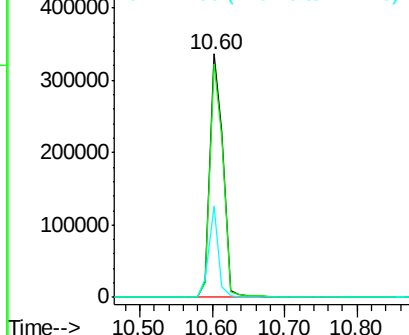
#41
 2,4,6-Tribromophenol
 Concen: 131.92 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Tgt Ion:330 Resp: 419253
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 28.5 29.7 44.5#

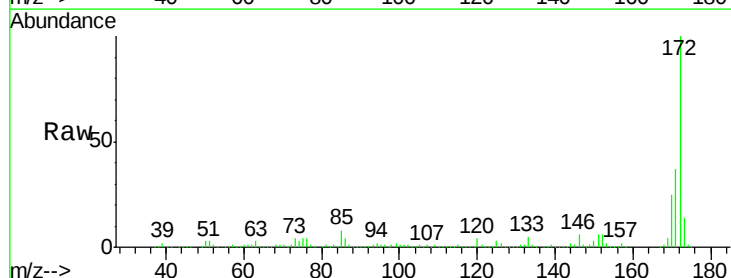


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

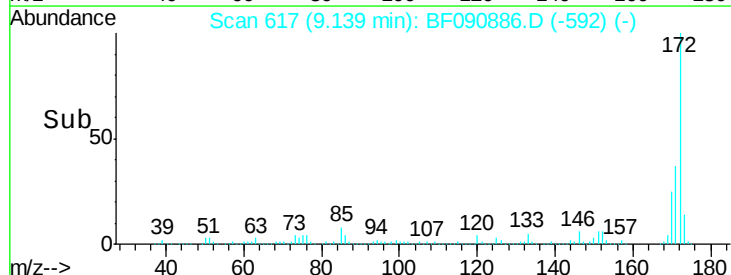
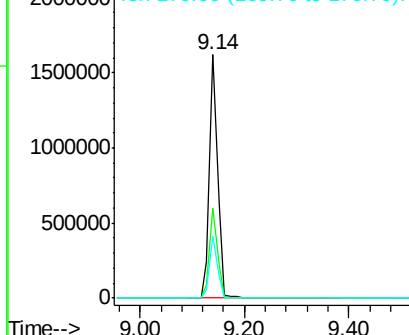


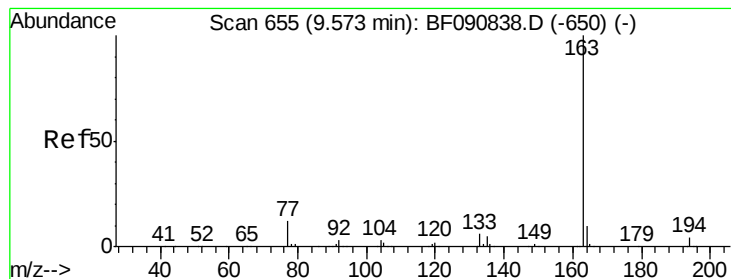
#44
 2-Fluorobiphenyl
 Concen: 100.51 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Tgt Ion:172 Resp: 1770073
 Ion Ratio Lower Upper
 172 100
 171 37.0 26.1 39.1
 170 25.4 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: 29.84 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

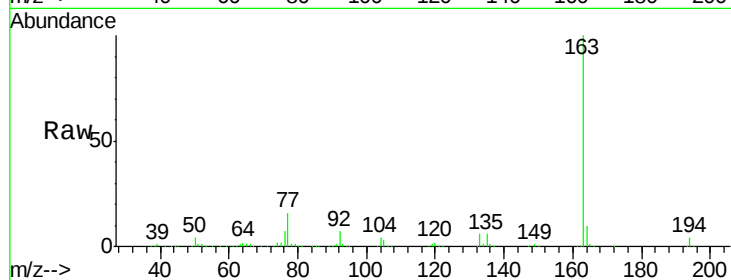
Tgt Ion:163 Resp: 616542

Ion Ratio Lower Upper

163 100

194 3.8 4.4 6.6#

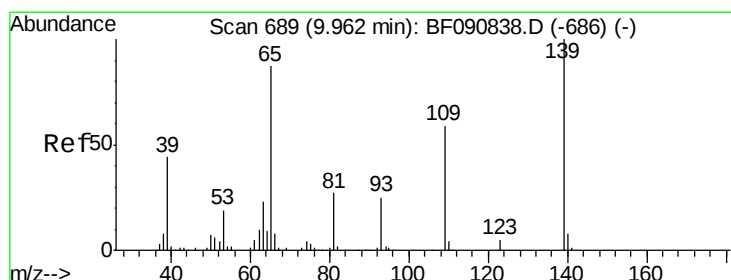
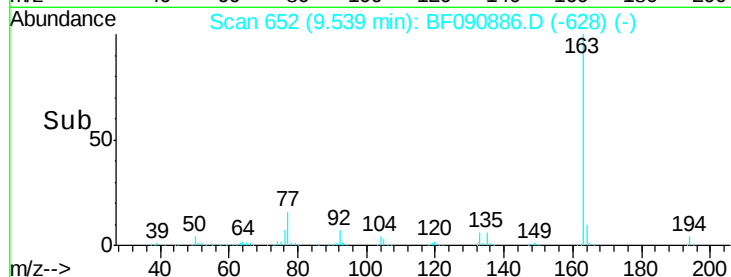
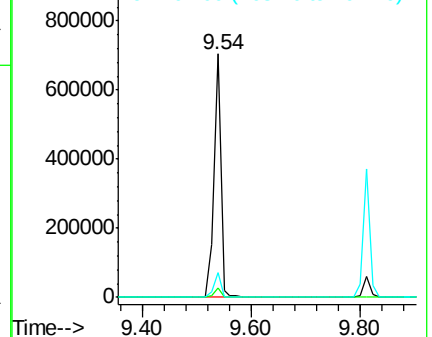
164 10.1 8.3 12.5



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



#55

4-Nitrophenol

Concen: 2.81 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.07 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

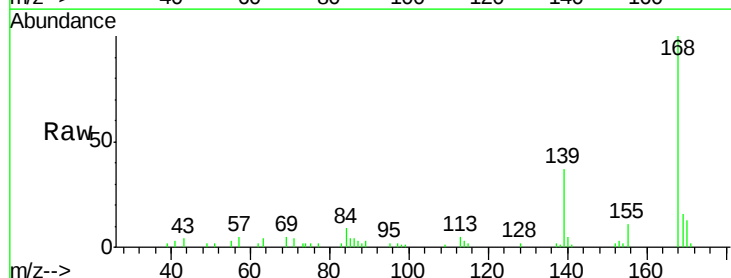
Tgt Ion:139 Resp: 8335

Ion Ratio Lower Upper

139 100

109 3.9 12.7 52.7#

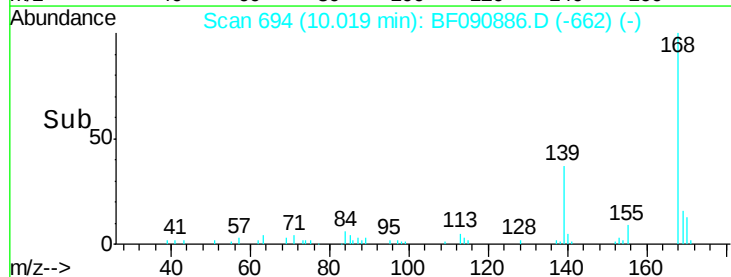
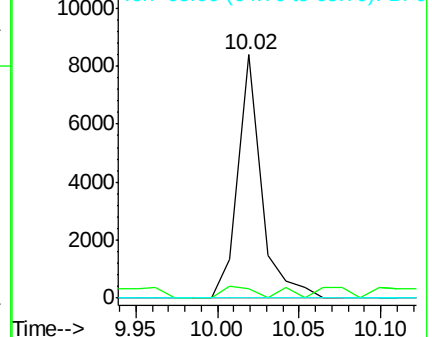
65 0.0 45.9 85.9#

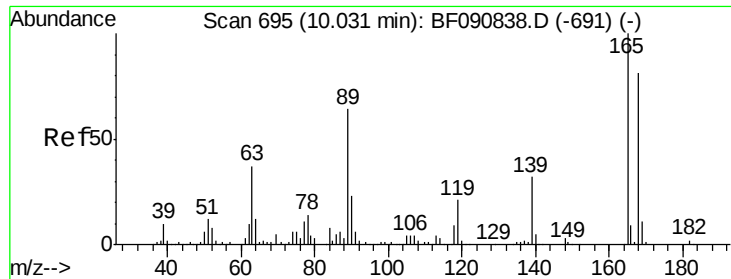


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

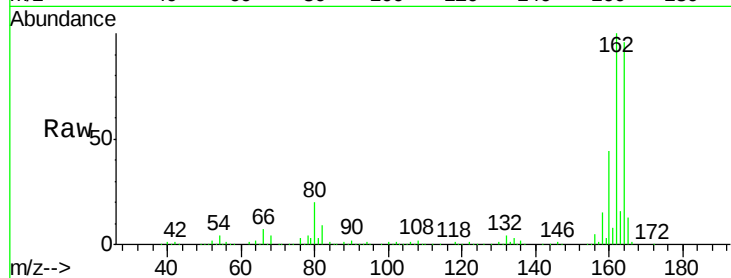




#56
 2,4-Dinitrotoluene
 Concen: 7.25 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.21 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Tgt Ion:	165	Resp:	41095
Ion	Ratio	Lower	Upper
165	100		
63	0.0	29.8	44.6#
89	0.8	44.5	66.7#
182	0.0	3.0	4.4#

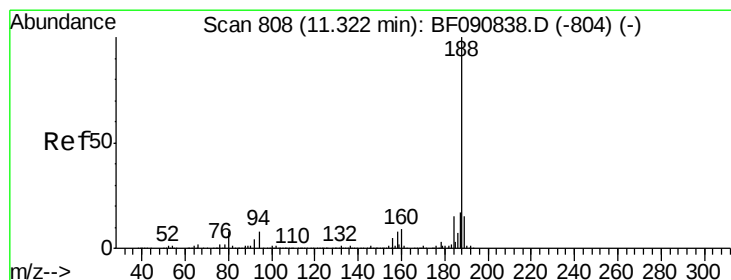
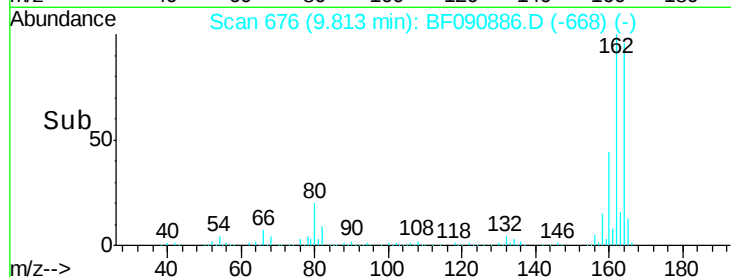
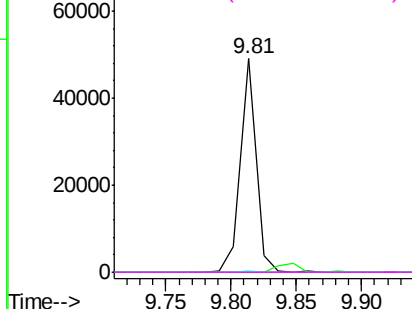


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

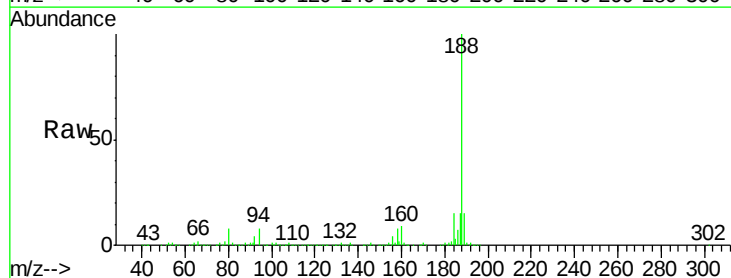
Ion 89.00 (88.70 to 89.70): BF0

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: BF090886.D
 Acq: 28 Oct 2016 00:14

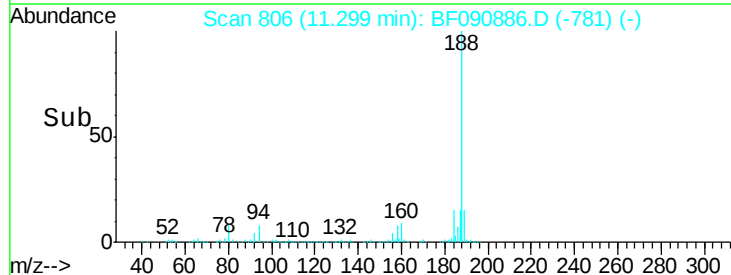
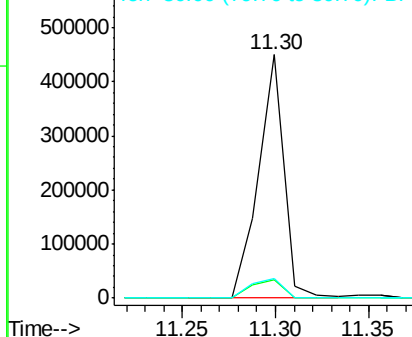
Tgt Ion:	188	Resp:	431523
Ion	Ratio	Lower	Upper
188	100		
94	7.8	11.1	16.7#
80	8.2	11.0	16.4#

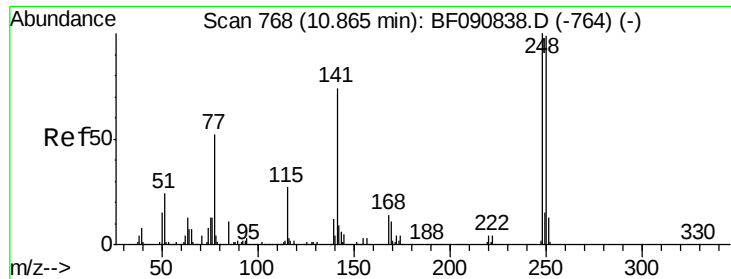


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

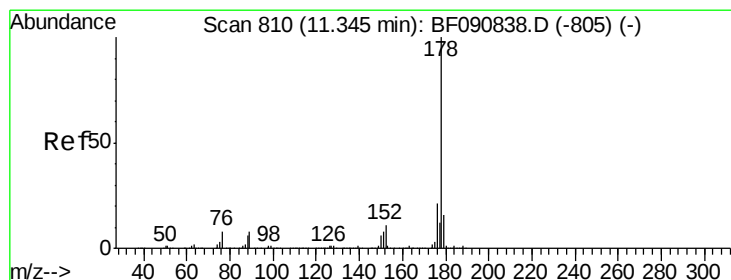
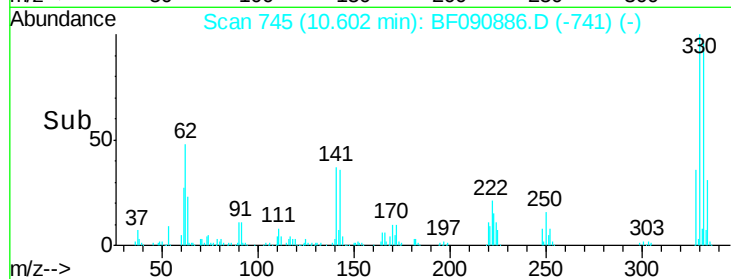
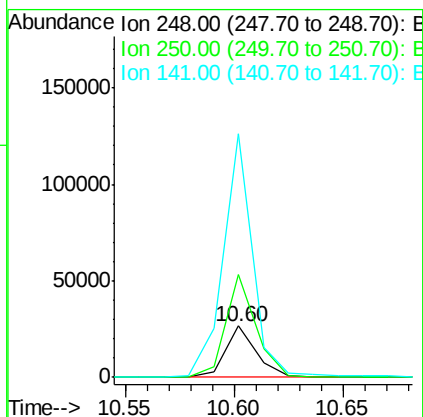
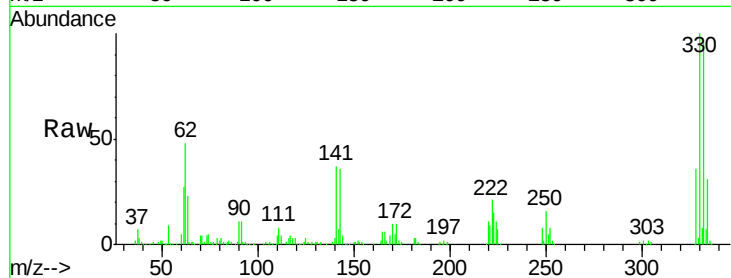




#66
 4-Bromophenyl-phenylether
 Concen: 5.43 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.25 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

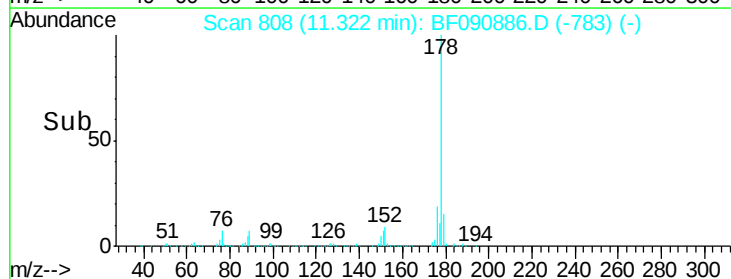
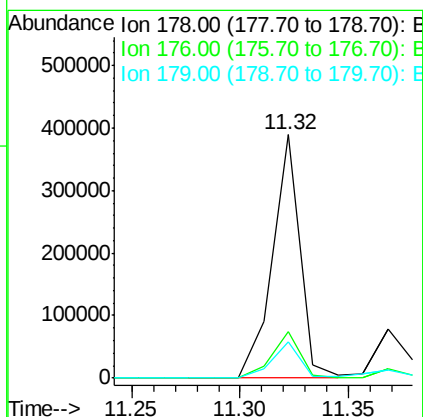
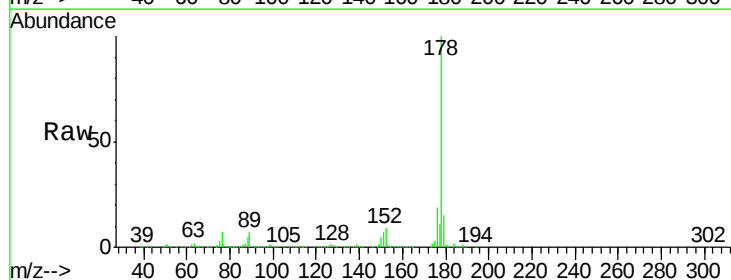
Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

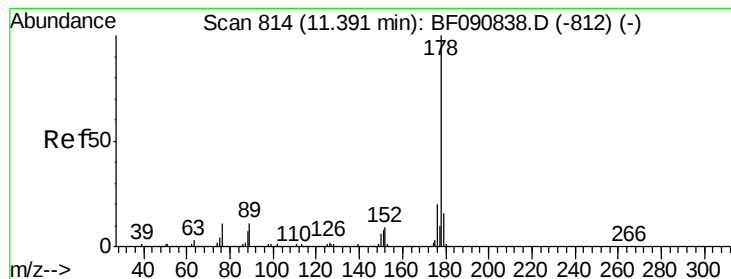
Tgt Ion: 248 Resp: 25649
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.5 117.7#
 141 474.1 59.0 88.6#



#70
 Phenanthrene
 Concen: 15.90 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Tgt Ion: 178 Resp: 349482
 Ion Ratio Lower Upper
 178 100
 176 19.2 13.8 20.8
 179 15.0 12.2 18.2





#71

Anthracene

Concen: 3.92 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

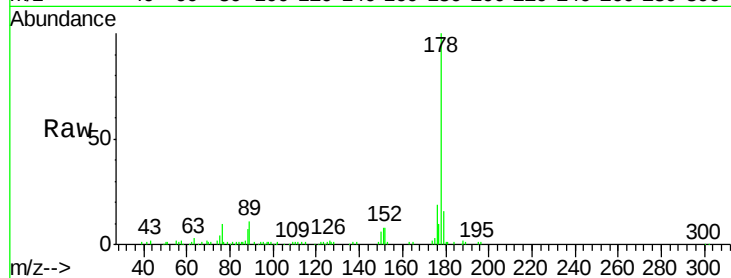
Tgt Ion:178 Resp: 90605

Ion Ratio Lower Upper

178 100

176 18.7 14.1 21.1

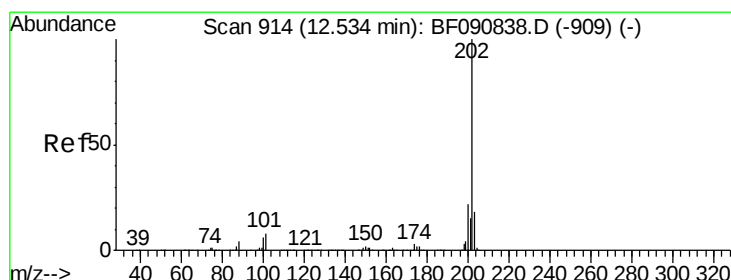
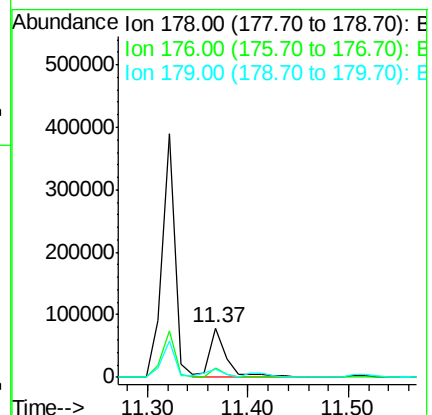
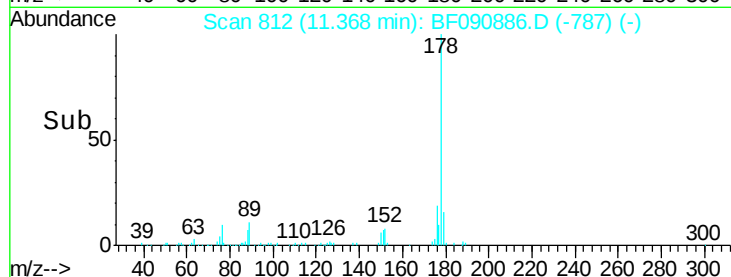
179 16.2 12.2 18.2



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: 12.33 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

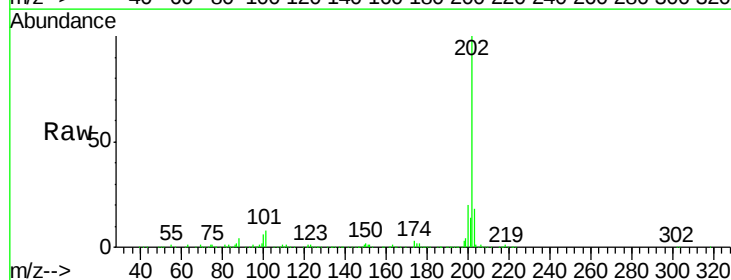
Tgt Ion:202 Resp: 296734

Ion Ratio Lower Upper

202 100

101 7.9 0.0 38.3

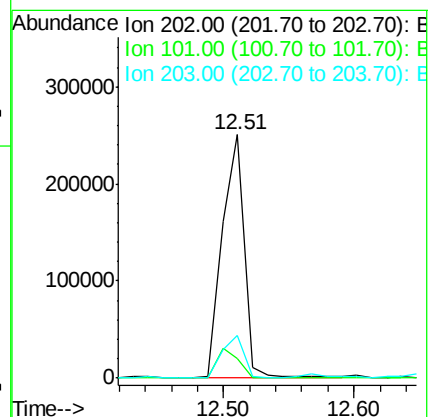
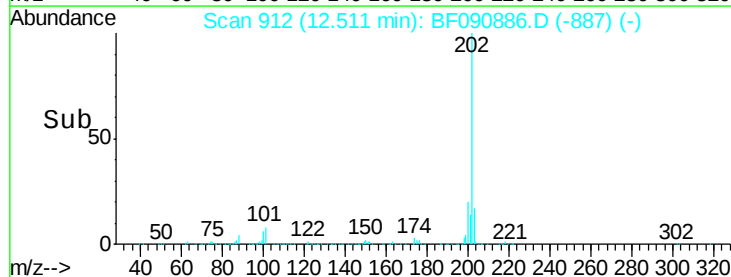
203 17.6 0.0 37.3

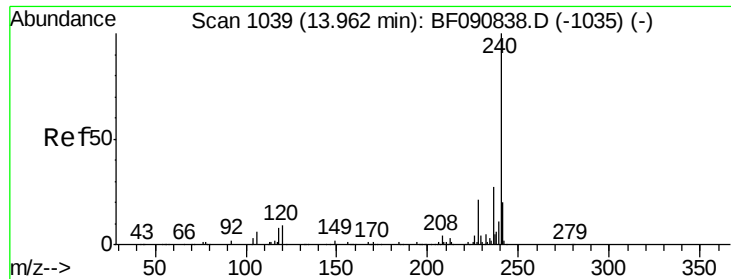


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

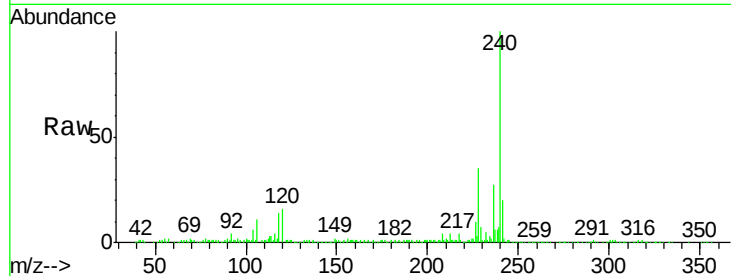
Tgt Ion:240 Resp: 337859

Ion Ratio Lower Upper

240 100

120 16.5 16.2 24.2

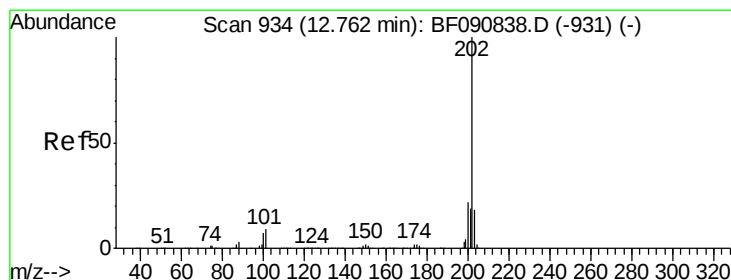
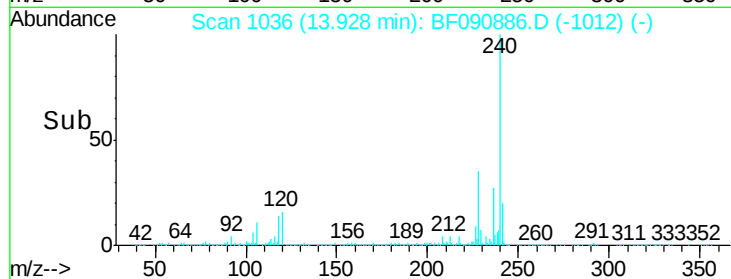
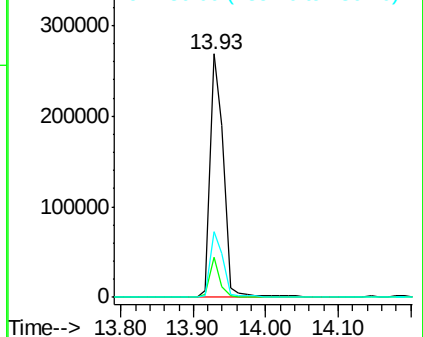
236 26.8 18.4 27.6



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: 13.88 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.24 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

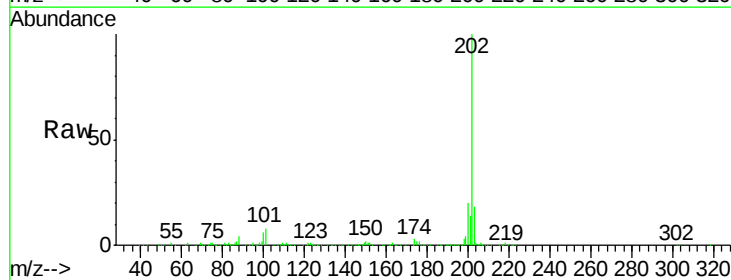
Tgt Ion:202 Resp: 296734

Ion Ratio Lower Upper

202 100

200 20.1 15.0 22.4

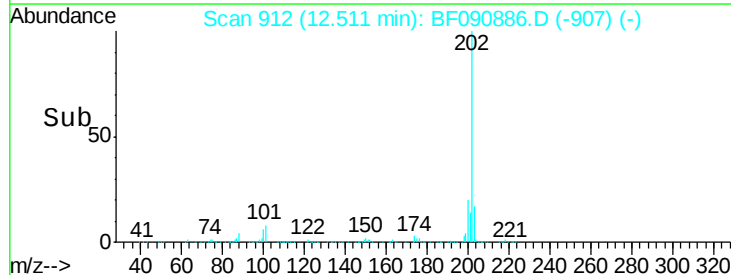
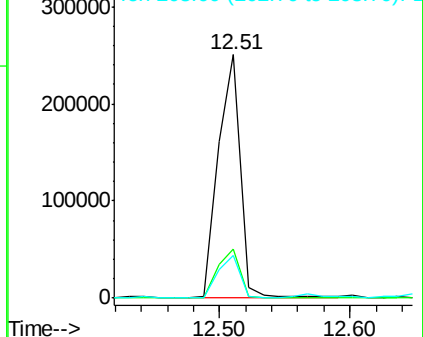
203 17.6 14.1 21.1

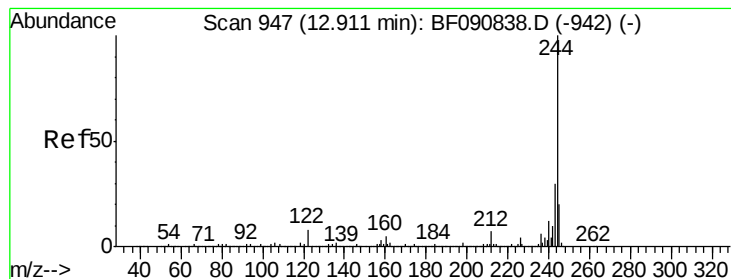


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 99.73 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

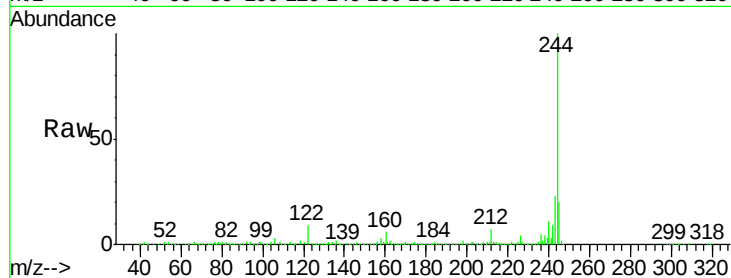
Tgt Ion:244 Resp: 1337474

Ion Ratio Lower Upper

244 100

212 6.5 4.3 6.5#

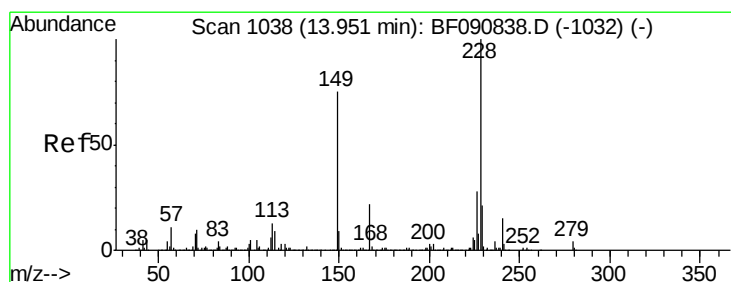
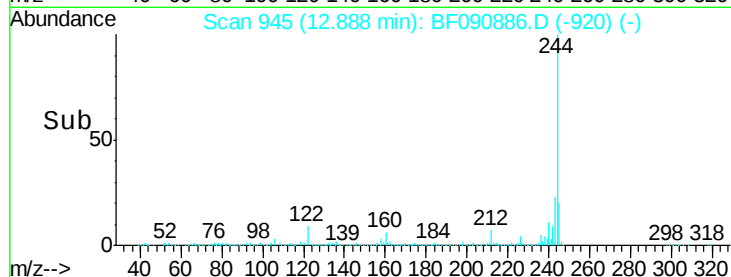
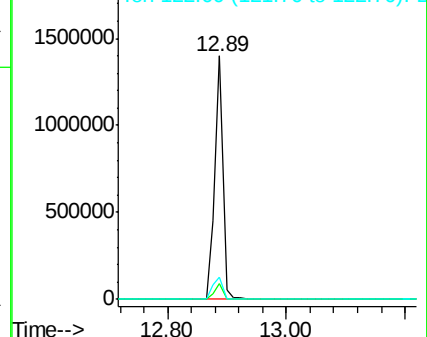
122 9.2 17.4 26.2#



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: 7.78 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

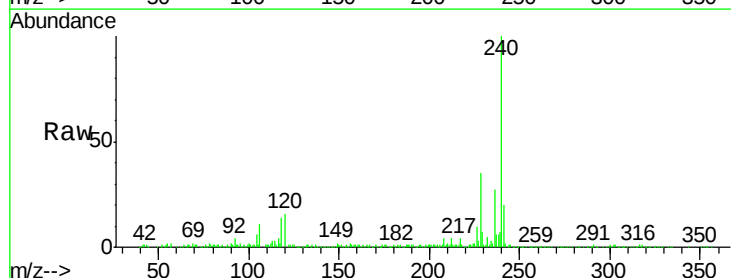
Tgt Ion:228 Resp: 139454

Ion Ratio Lower Upper

228 100

226 27.5 20.0 30.0

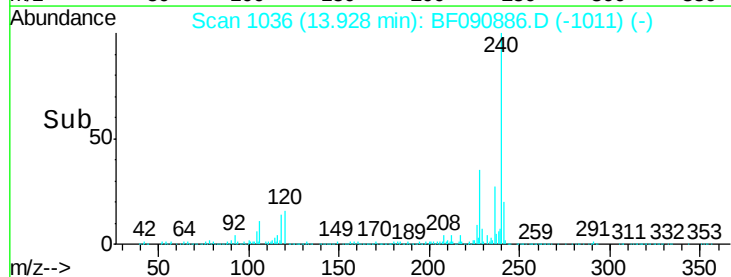
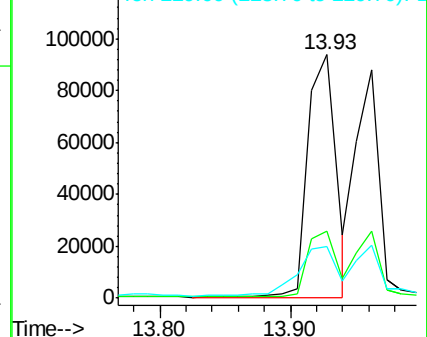
229 21.4 15.4 23.2

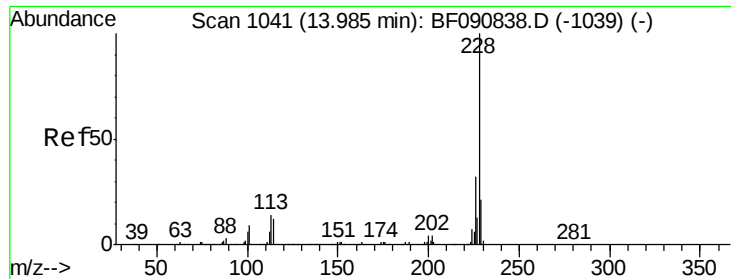


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.69 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

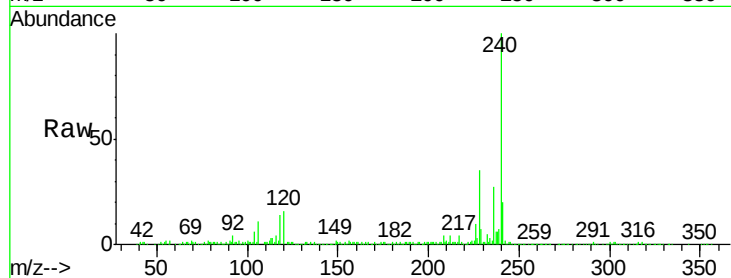
Tgt Ion:228 Resp: 139454

Ion Ratio Lower Upper

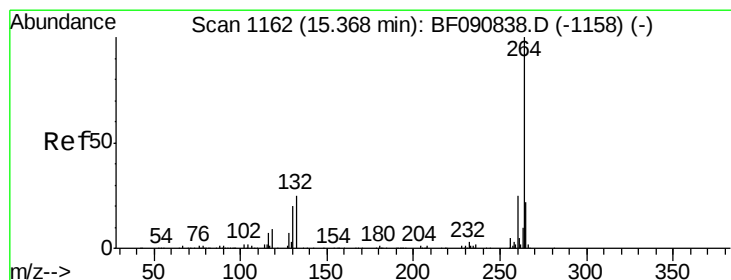
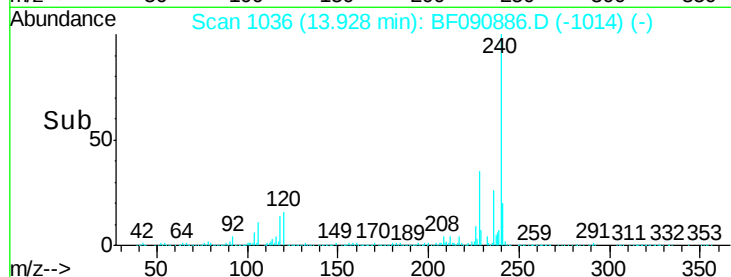
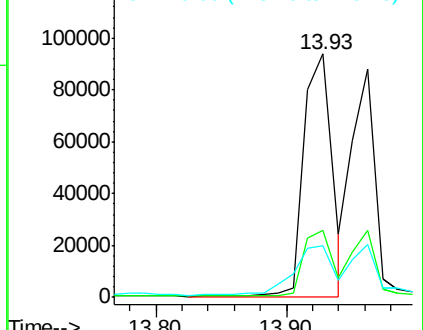
228 100

226 27.5 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

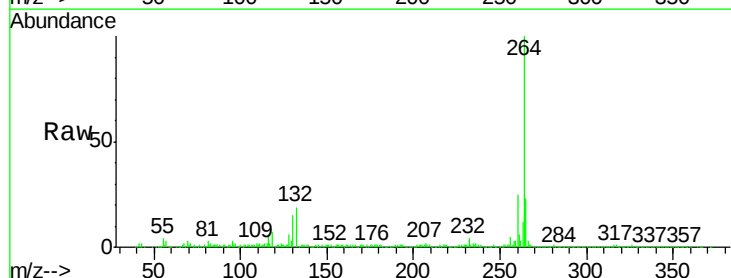
Tgt Ion:264 Resp: 310779

Ion Ratio Lower Upper

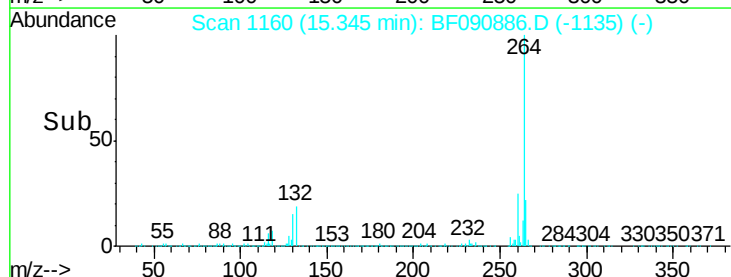
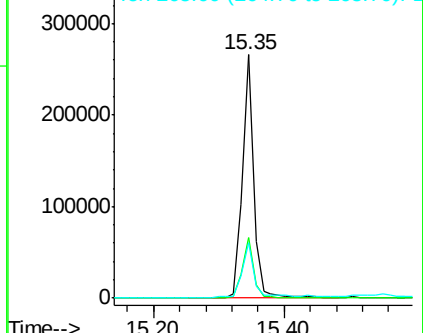
264 100

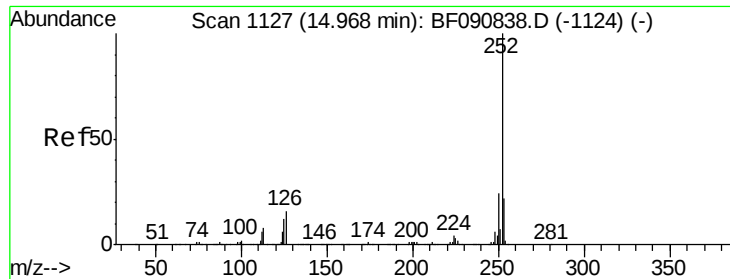
260 24.9 16.7 25.1

265 22.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

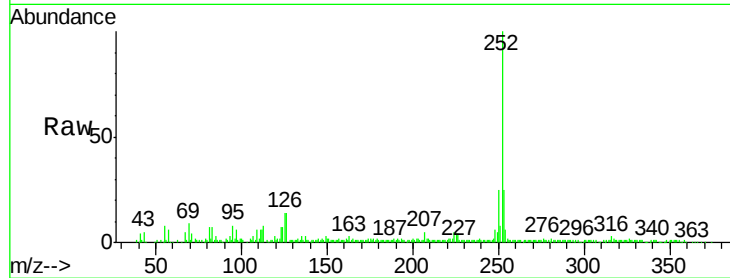




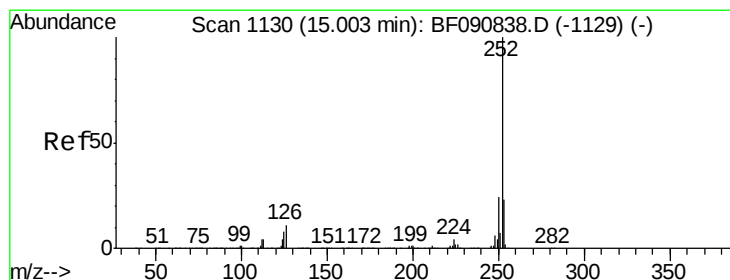
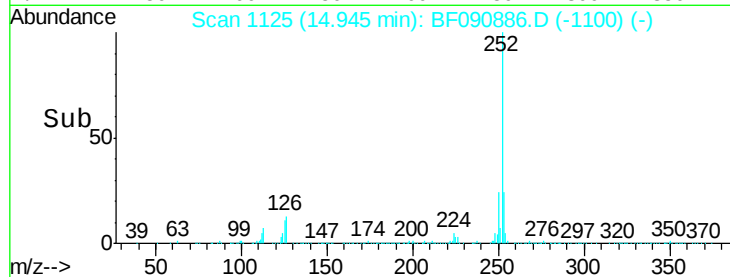
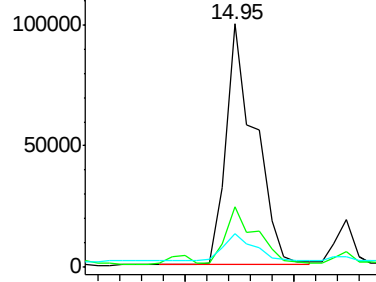
#87
Benzo(b)fluoranthene
Concen: 8.85 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Instrument :
BNA_F
ClientSampleId :
SB-1COMP(0-16FEET)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	13.9	17.1	25.7#

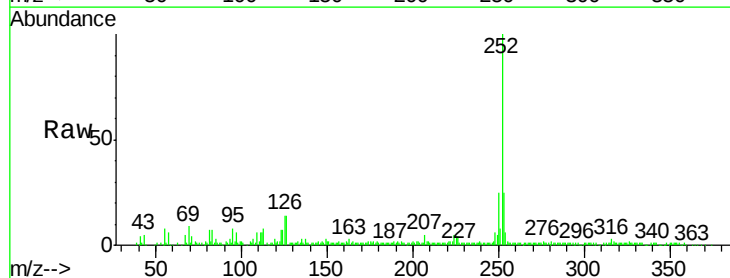


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

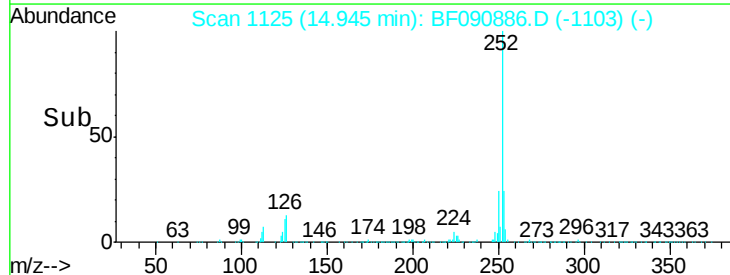
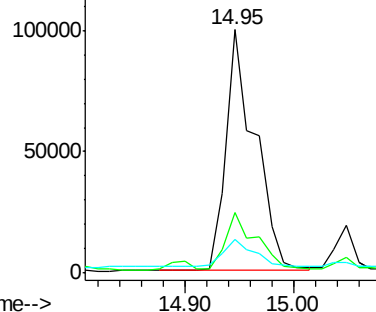


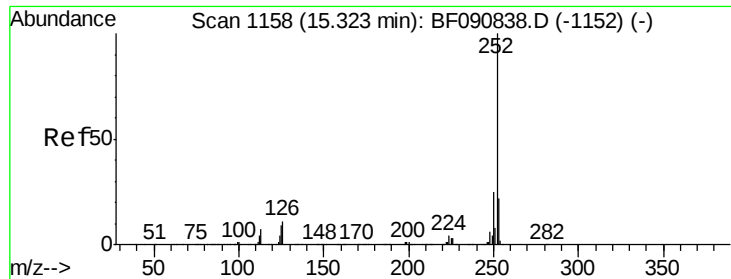
#88
Benzo(k)fluoranthene
Concen: 11.20 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	13.9	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: 5.45 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

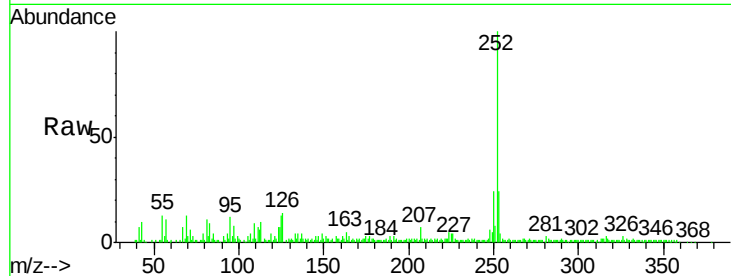
Tgt Ion:252 Resp: 97846

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

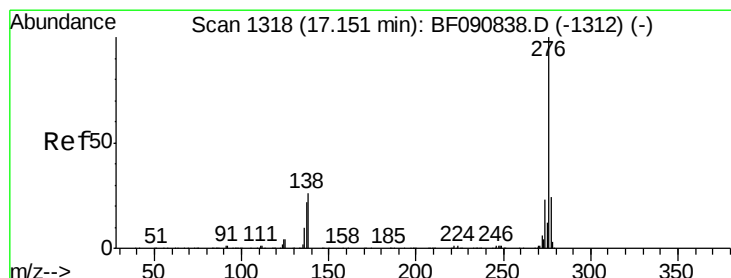
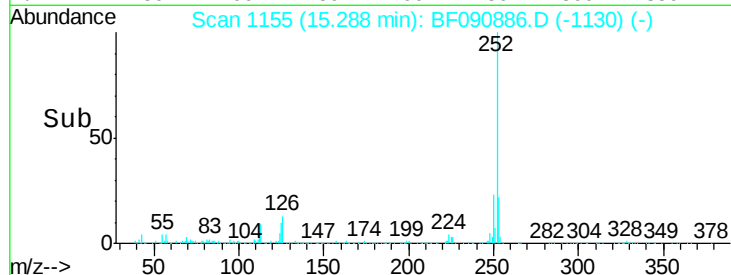
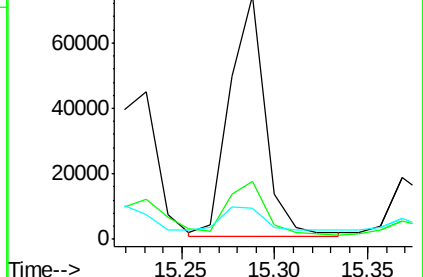
125 13.0 18.0 27.0#



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: 2.54 ng

RT: 17.11 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

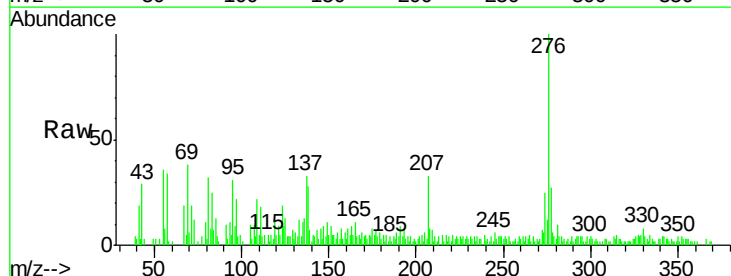
Tgt Ion:276 Resp: 36316

Ion Ratio Lower Upper

276 100

277 27.1 17.8 26.6#

138 27.8 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

