

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121916\
 Data File : BF091805.D
 Acq On : 20 Dec 2016 6:02
 Operator : UM/SJ
 Sample : H6099-14DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Quant Time: Dec 20 06:36:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	228231	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	795141	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	358245	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	519087	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	447362	20.00	ng	-0.01
86) Perylene-d12	15.32	264	359560	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	333006	24.45	ng	-0.01
7) Phenol-d6	6.41	99	434446	26.15	ng	-0.01
23) Nitrobenzene-d5	7.32	82	270854	19.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	67162	22.11	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	415121	23.28	ng	-0.02
78) Terphenyl-d14	12.86	244	288520	16.28	ng	-0.01

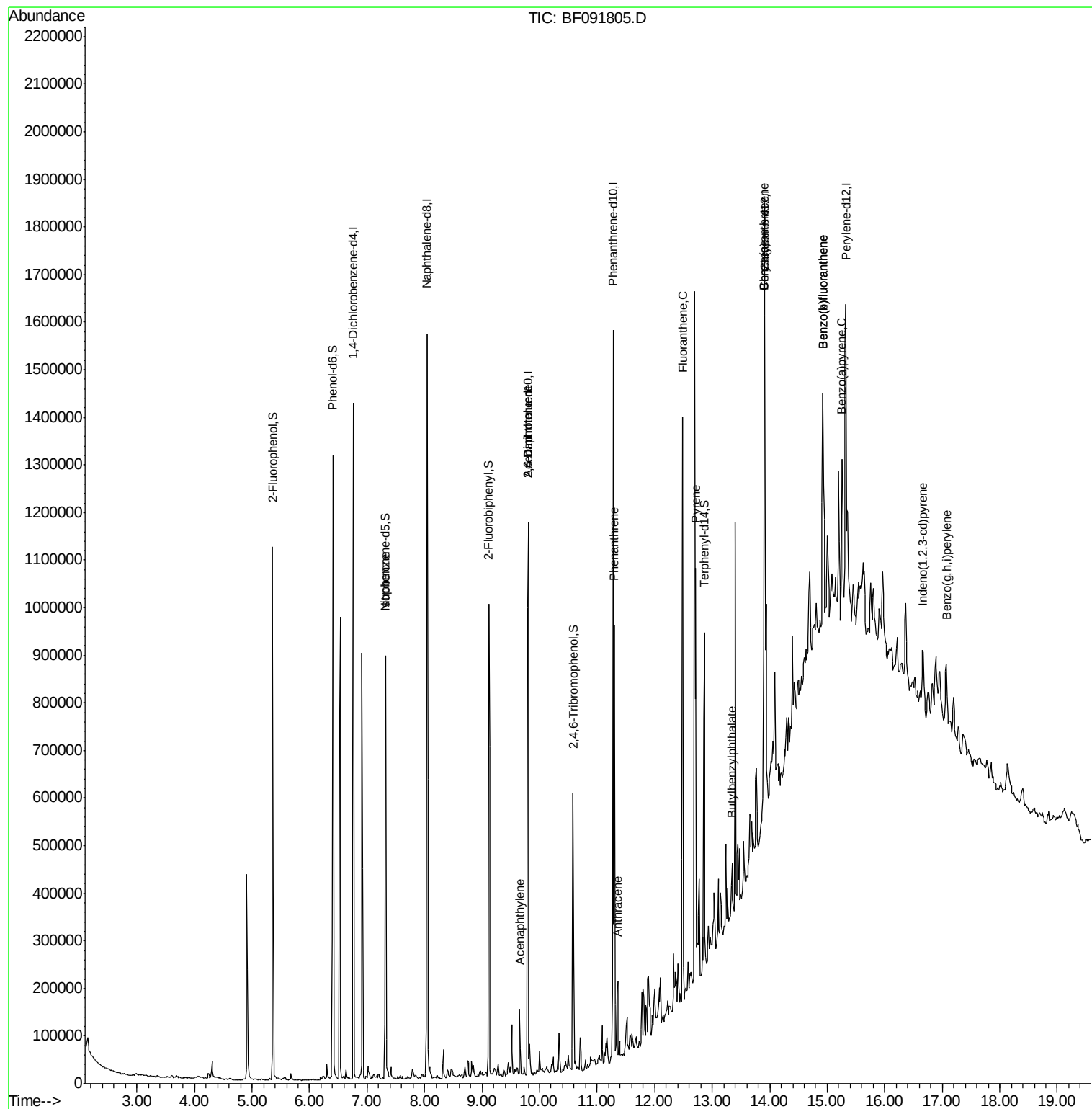
Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	9924	Below Cal		92
25) Isophorone	7.32	82	240963	9.16 ng	#	65
48) Acenaphthylene	9.65	152	63157	2.12 ng		98
50) 2,6-Dinitrotoluene	9.80	165	47026	9.17 ng	#	31
56) 2,4-Dinitrotoluene	9.80	165	47028	7.34 ng	#	20
70) Phenanthrene	11.30	178	311284	12.00 ng		97
71) Anthracene	11.36	178	91433	3.33 ng		95
74) Fluoranthene	12.49	202	493649	18.22 ng		94
77) Pyrene	12.72	202	420188	13.01 ng		97
79) Butylbenzylphthalate	13.34	149	32178	2.13 ng	#	84
80) Benzo(a)anthracene	13.91	228	238497	9.32 ng		94
82) Chrysene	13.91	228	238497	8.99 ng		98
85) Indeno(1,2,3-cd)pyrene	16.66	276	91914	3.52 ng		95
87) Benzo(b)fluoranthene	14.92	252	338405	14.84 ng		97
88) Benzo(k)fluoranthene	14.92	252	338405	21.15 ng		97
89) Benzo(a)pyrene	15.25	252	168424	8.61 ng	#	96
91) Benzo(g,h,i)perylene	17.07	276	97028	5.60 ng		96

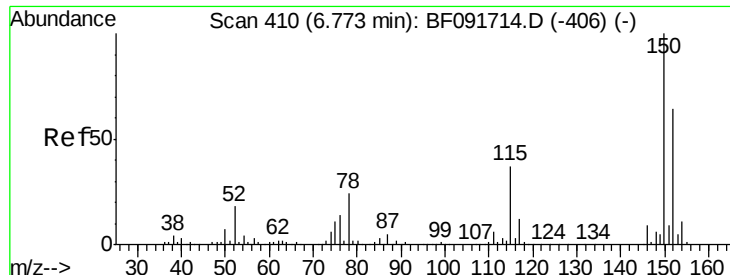
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

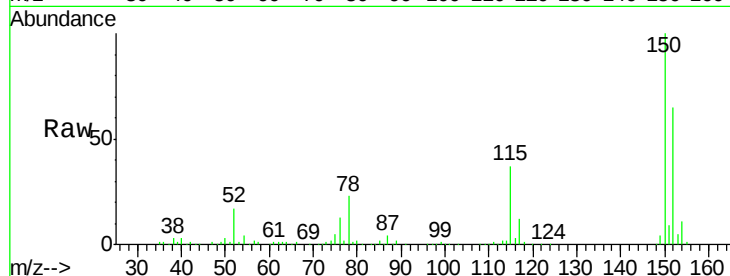
Tgt Ion:152 Resp: 228231

Ion Ratio Lower Upper

152 100

150 153.6 124.9 187.3

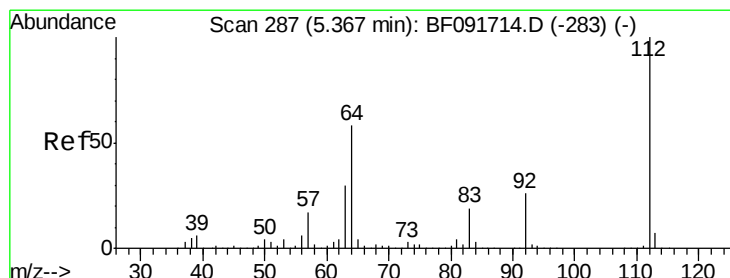
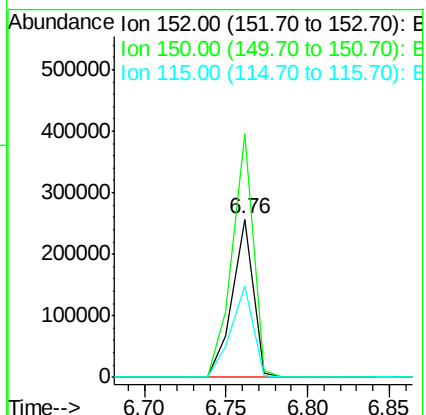
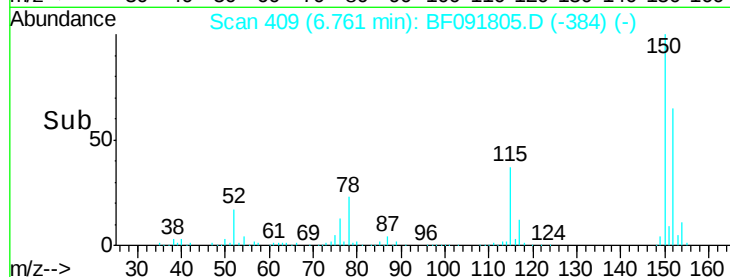
115 57.6 46.0 69.0



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: 24.45 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

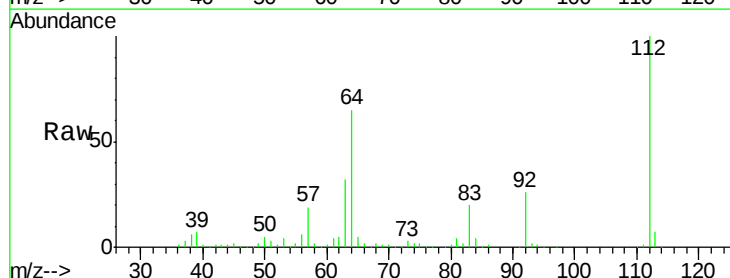
Tgt Ion:112 Resp: 333006

Ion Ratio Lower Upper

112 100

64 65.2 46.1 69.1

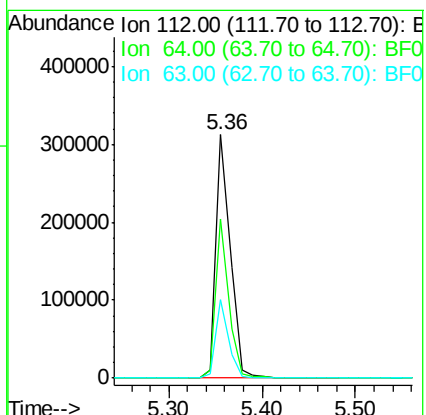
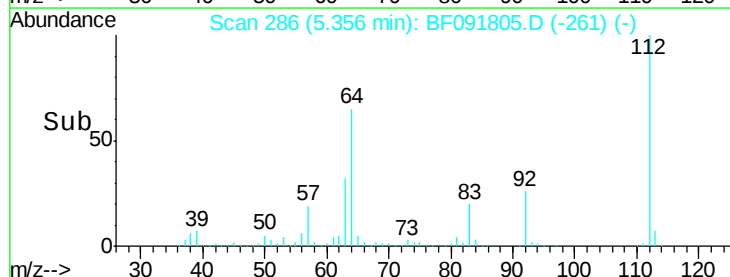
63 32.4 23.8 35.6

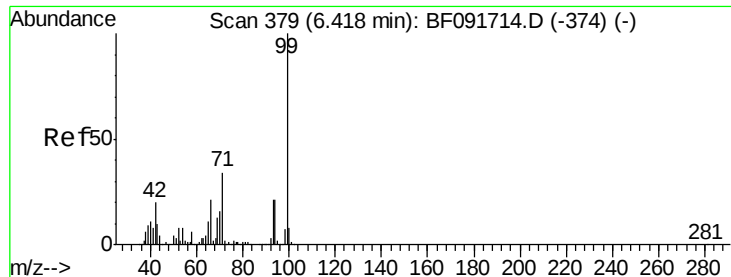


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.15 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

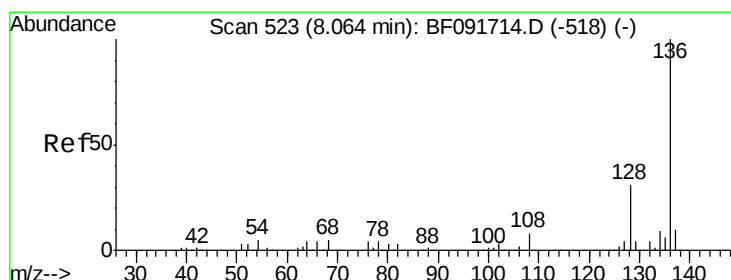
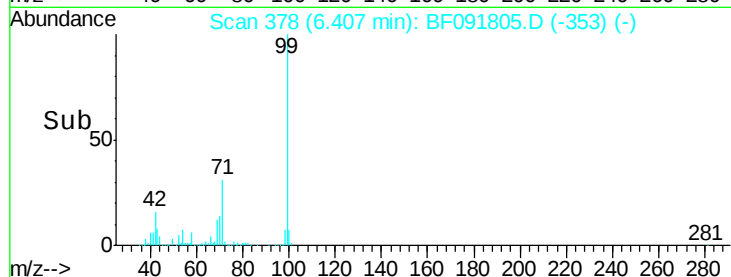
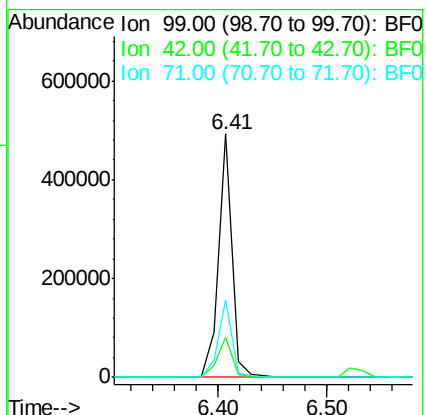
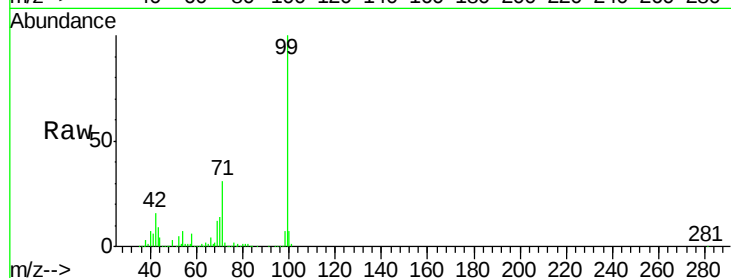
Tgt Ion: 99 Resp: 434446

Ion Ratio Lower Upper

99 100

42 16.4 15.6 23.4

71 31.5 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Tgt Ion: 136 Resp: 795141

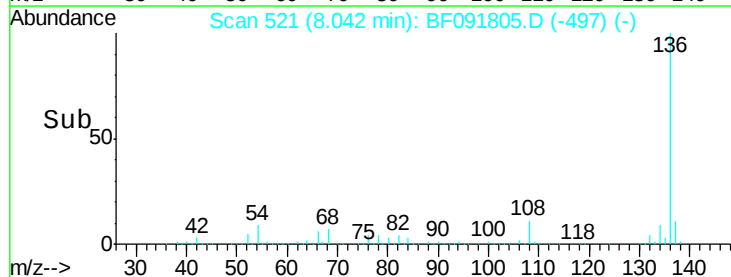
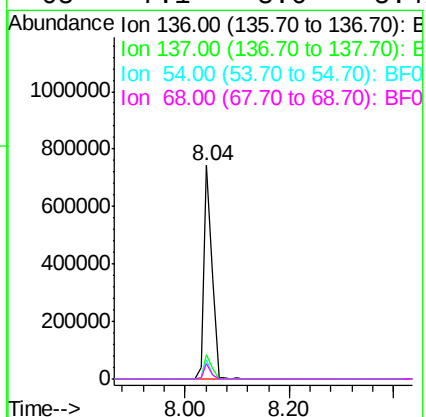
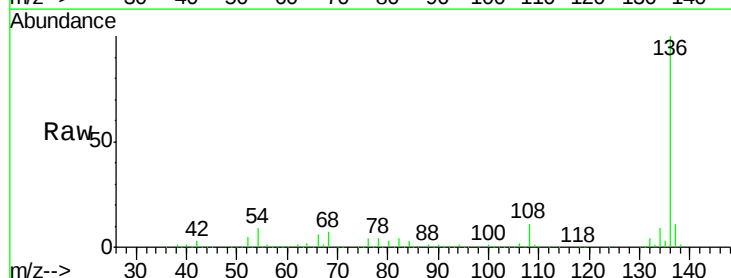
Ion Ratio Lower Upper

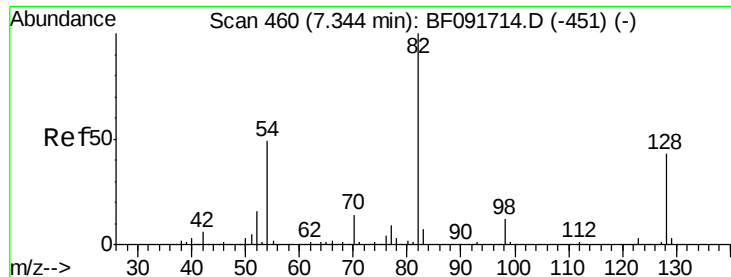
136 100

137 11.3 8.4 12.6

54 9.2 4.5 6.7#

68 7.1 3.6 5.4#

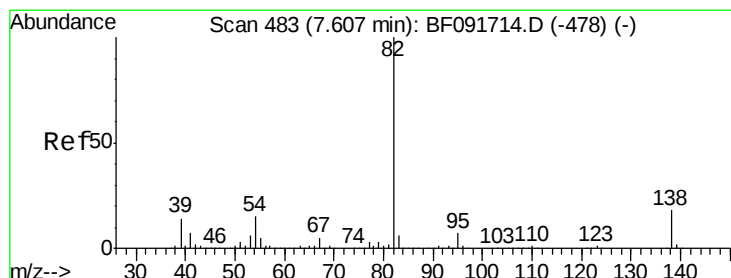
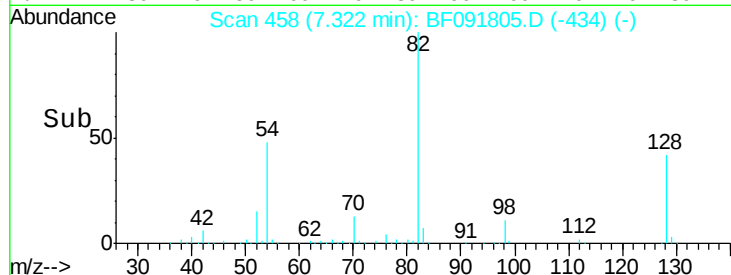
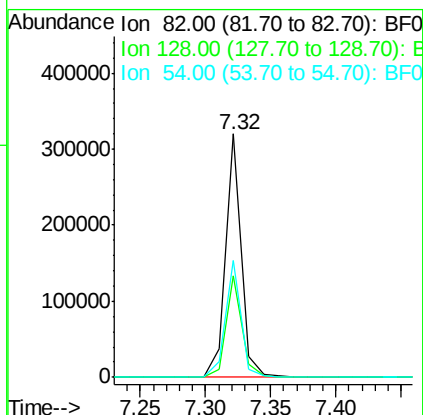
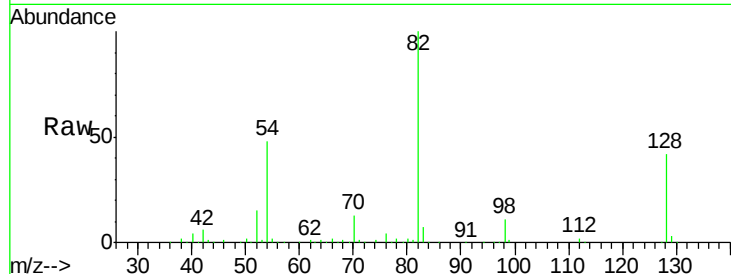




#23
 Nitrobenzene-d5
 Concen: 19.64 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

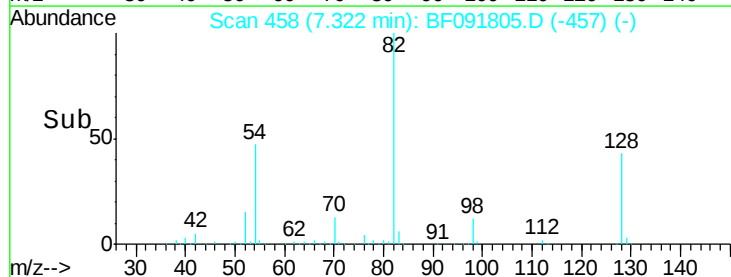
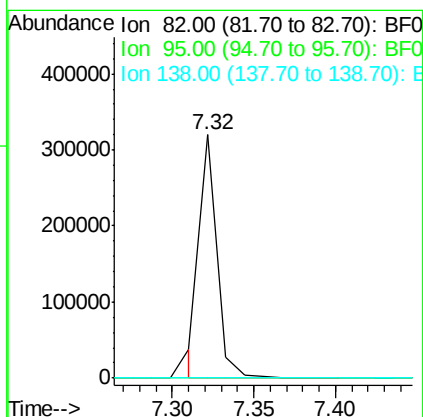
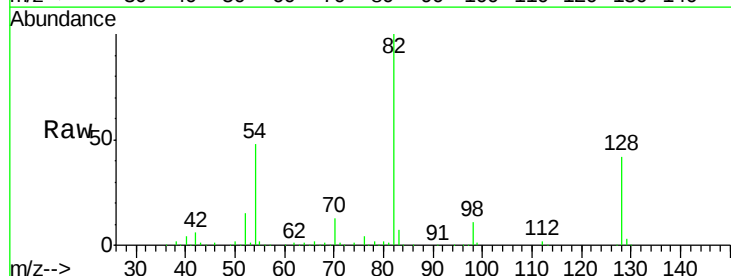
Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

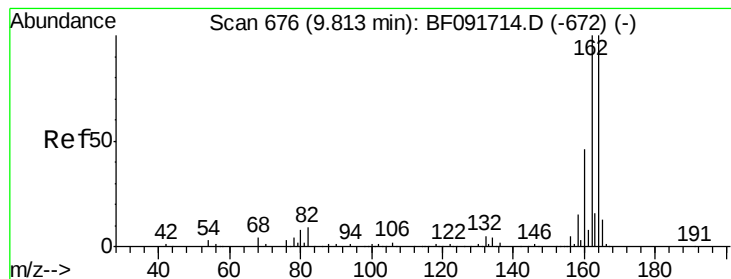
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	48.1	39.5	59.3



#25
 Isophorone
 Concen: 9.16 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.29 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

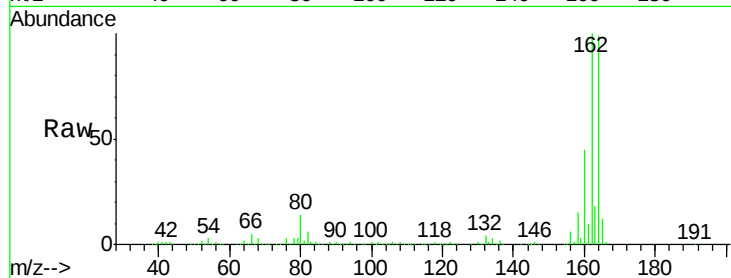
Tgt Ion:164 Resp: 358245

Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.2

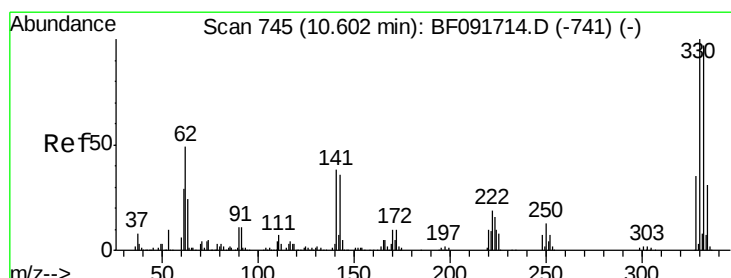
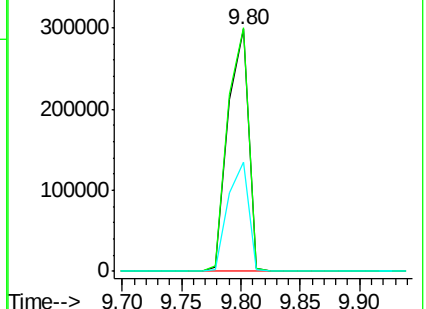
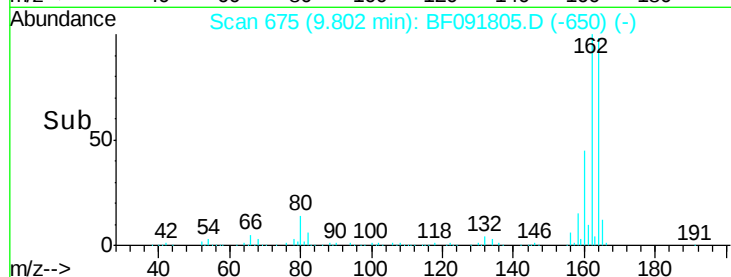
160 44.8 36.9 55.3



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: 22.11 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

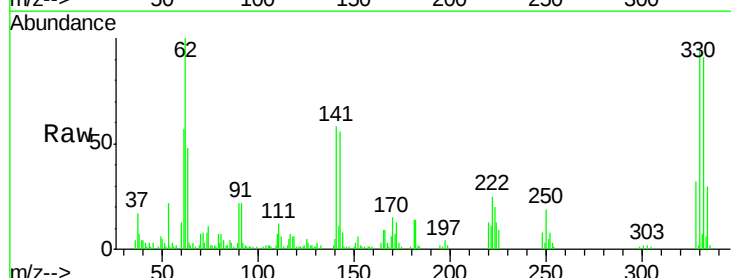
Tgt Ion:330 Resp: 67162

Ion Ratio Lower Upper

330 100

332 94.5 77.4 116.2

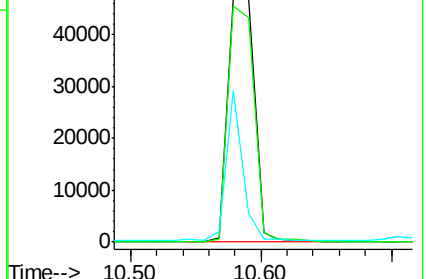
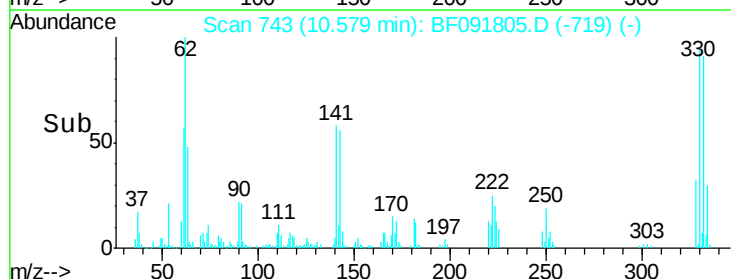
141 42.7 34.1 51.1

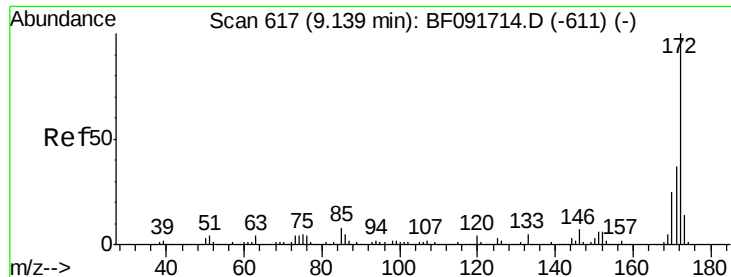


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

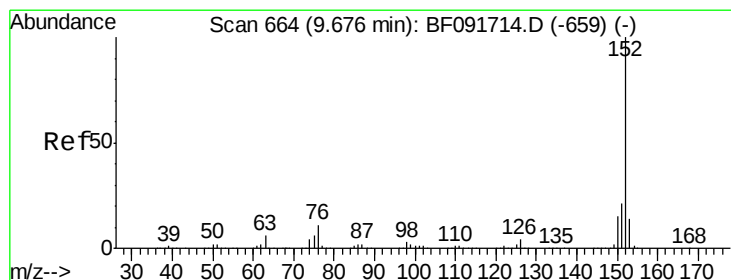
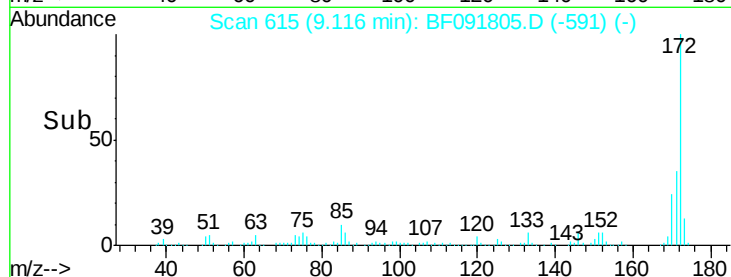
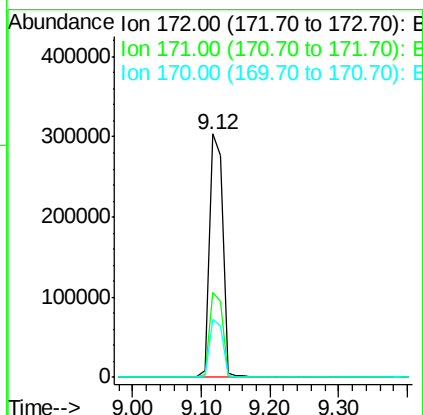
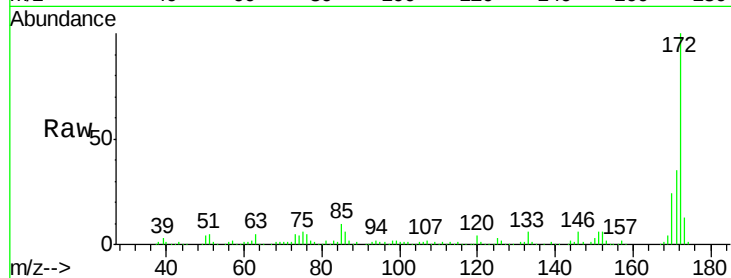




#44
 2-Fluorobiphenyl
 Concen: 23.28 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

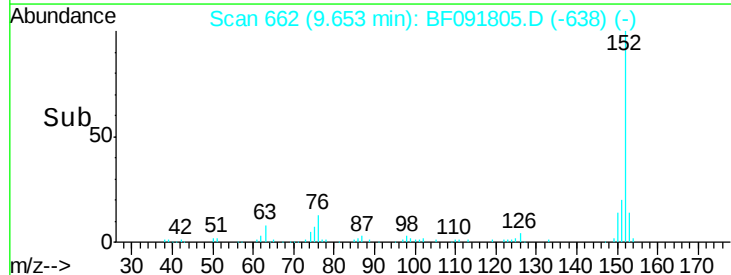
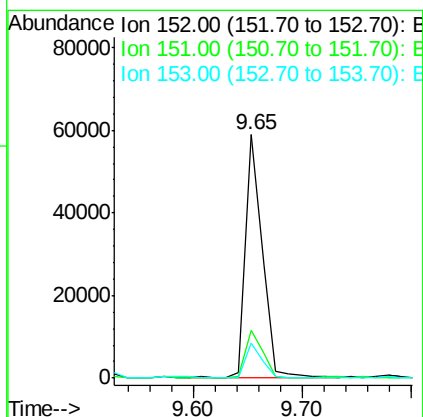
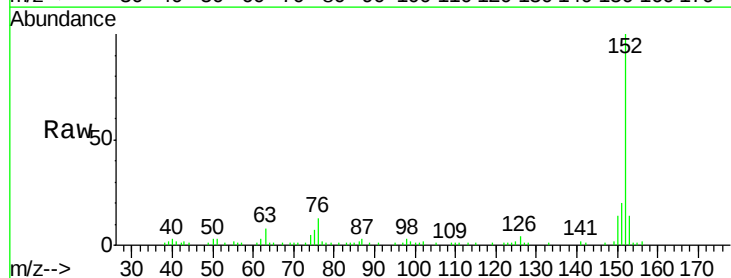
Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

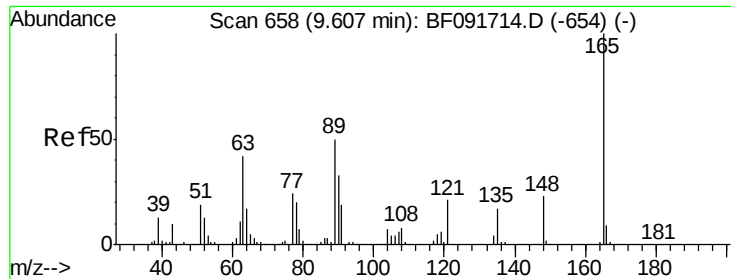
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.0
170	23.6	20.2	30.4



#48
 Acenaphthylene
 Concen: 2.12 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.9	25.3
153	14.4	11.4	17.2

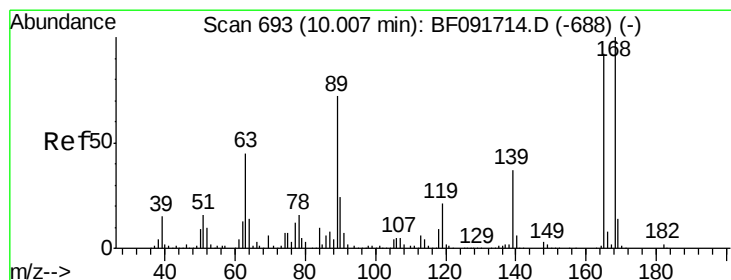
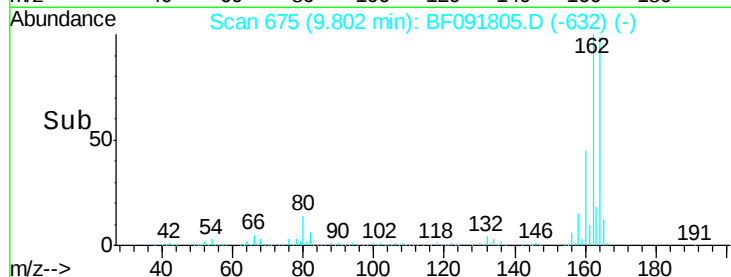
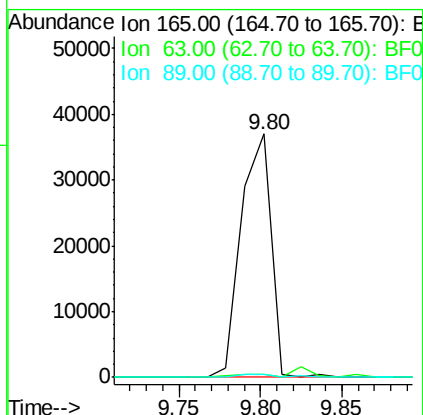
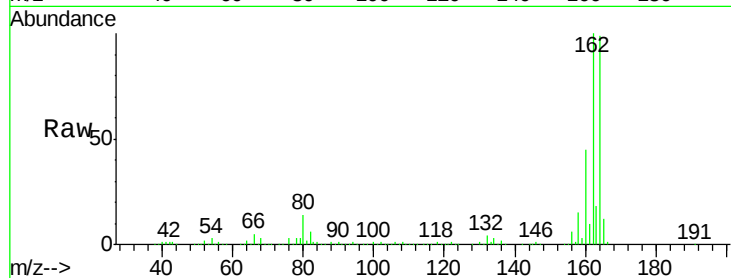




#50
 2,6-Dinitrotoluene
 Concen: 9.17 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.19 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

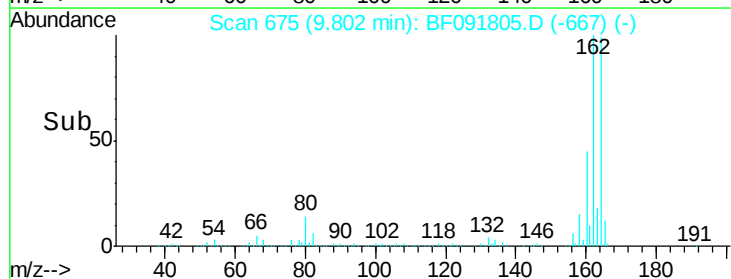
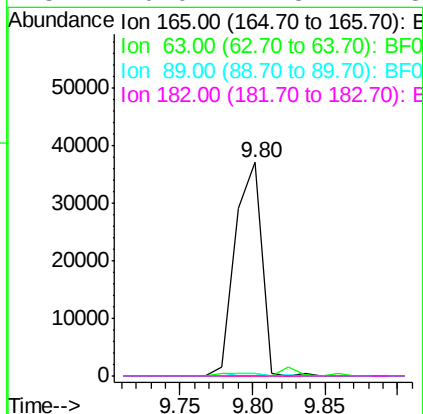
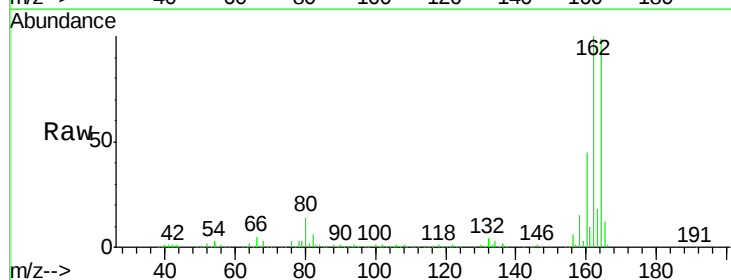
Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

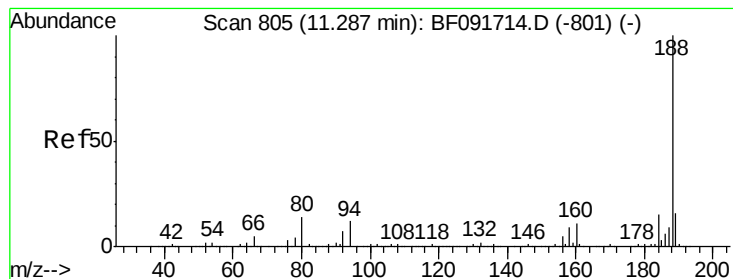
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.3	40.2	60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.34 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

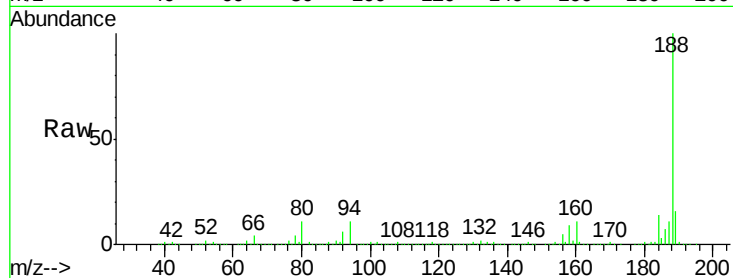
Tgt Ion:188 Resp: 519087

Ion Ratio Lower Upper

188 100

94 10.8 10.0 15.0

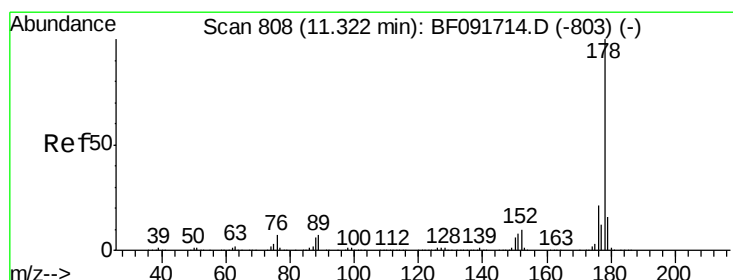
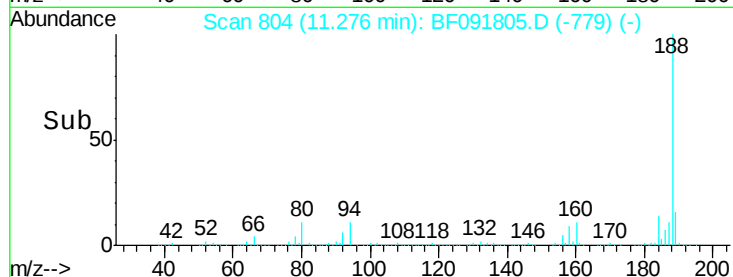
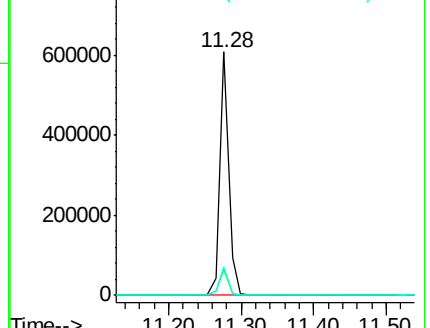
80 11.5 11.2 16.8



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



#70

Phenanthrene

Concen: 12.00 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

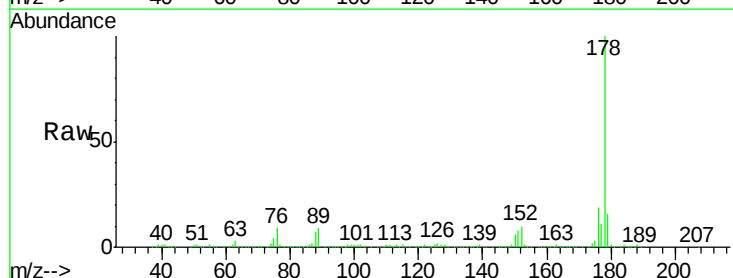
Tgt Ion:178 Resp: 311284

Ion Ratio Lower Upper

178 100

176 18.8 16.6 25.0

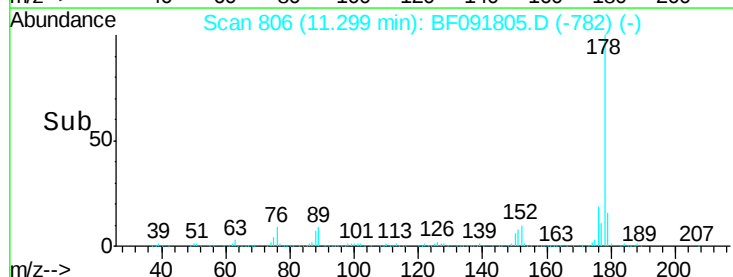
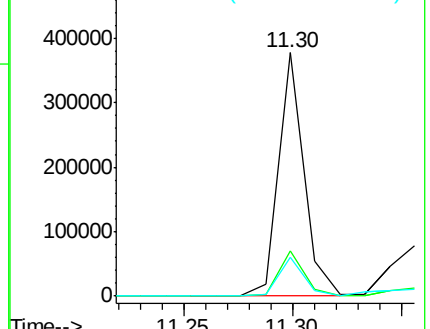
179 15.8 12.8 19.2

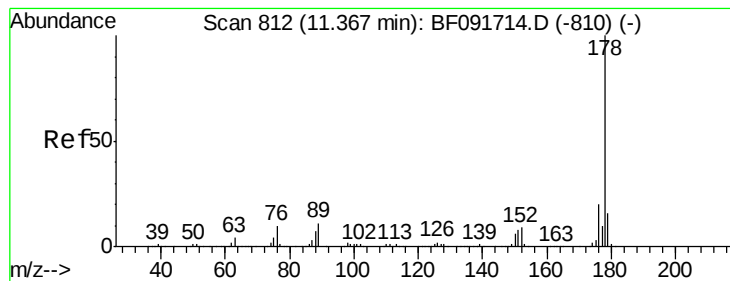


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.33 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

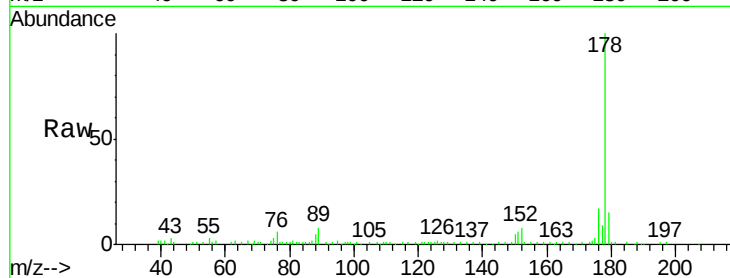
Tgt Ion:178 Resp: 91433

Ion Ratio Lower Upper

178 100

176 17.3 15.9 23.9

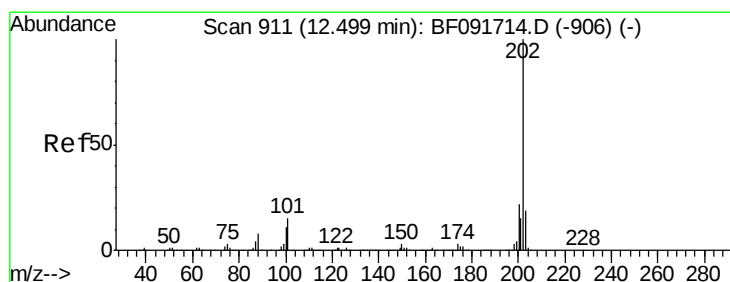
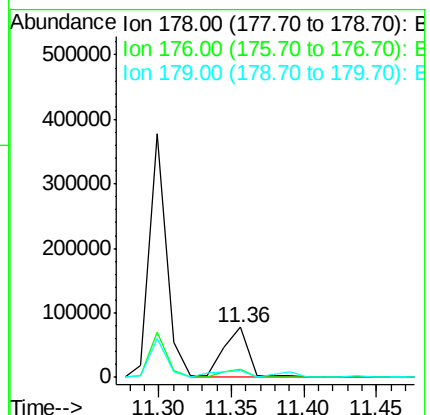
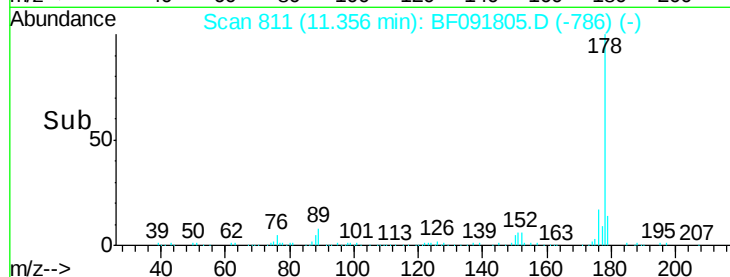
179 14.9 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 18.22 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

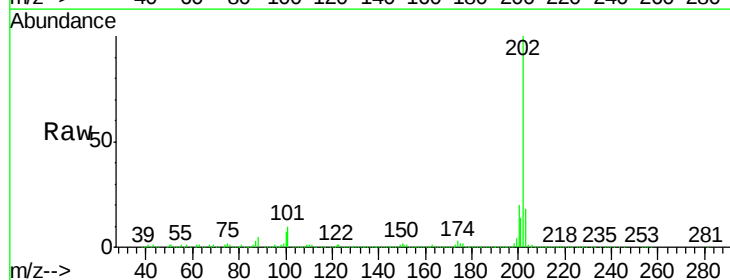
Tgt Ion:202 Resp: 493649

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.6

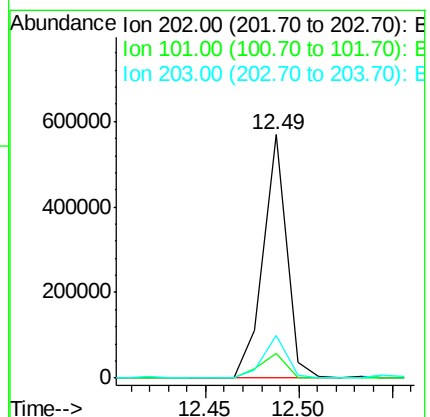
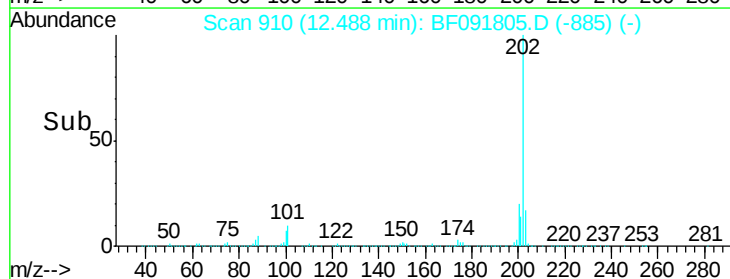
203 17.6 0.0 38.7

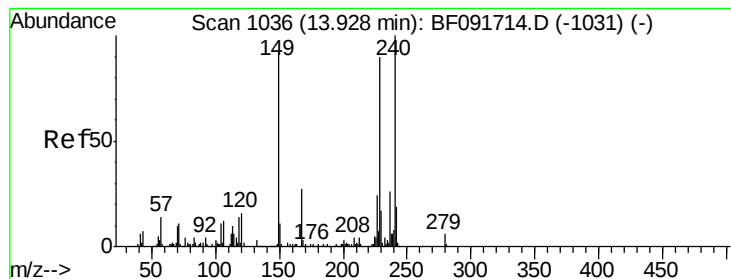


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

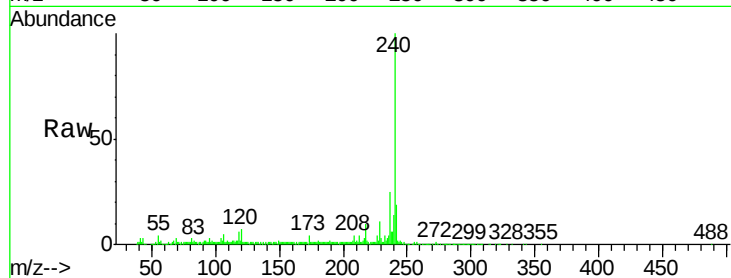
Tgt Ion:240 Resp: 447362

Ion Ratio Lower Upper

240 100

120 7.1 12.9 19.3#

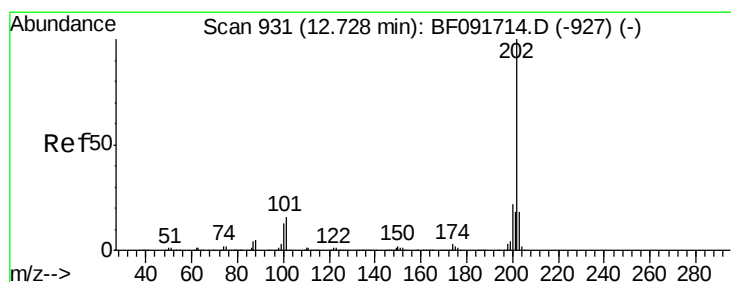
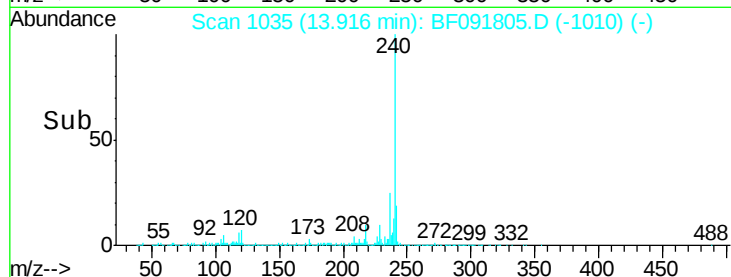
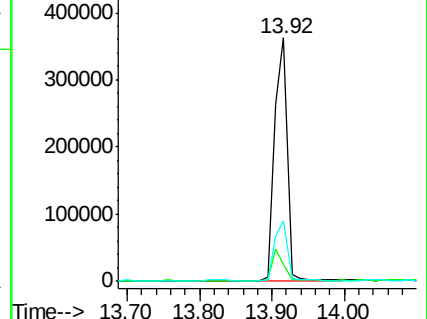
236 24.8 20.9 31.3



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: 13.01 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

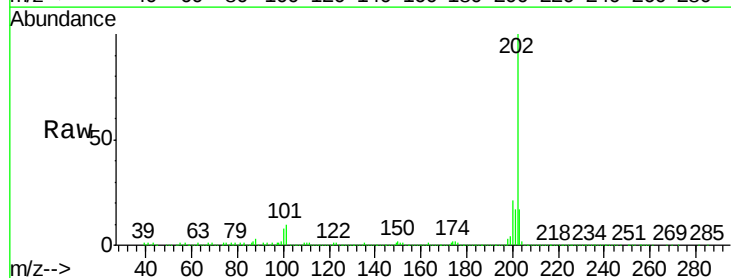
Tgt Ion:202 Resp: 420188

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

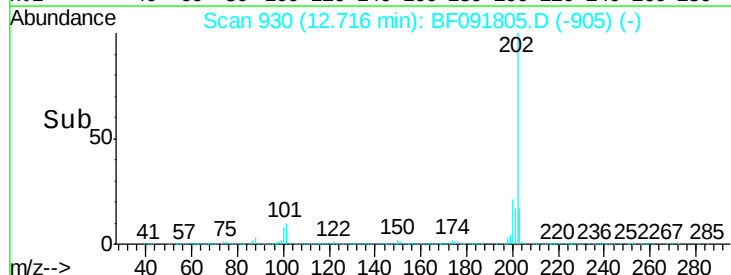
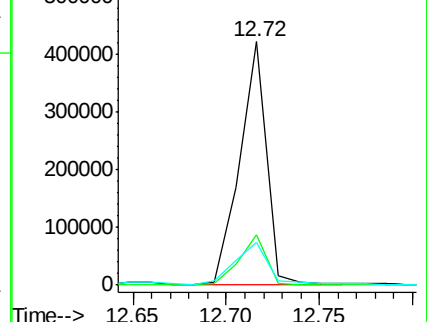
203 17.3 14.7 22.1

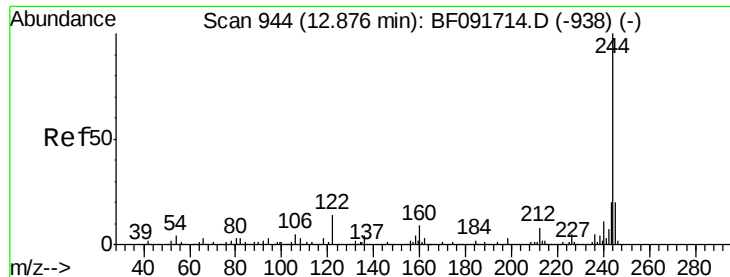


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.28 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

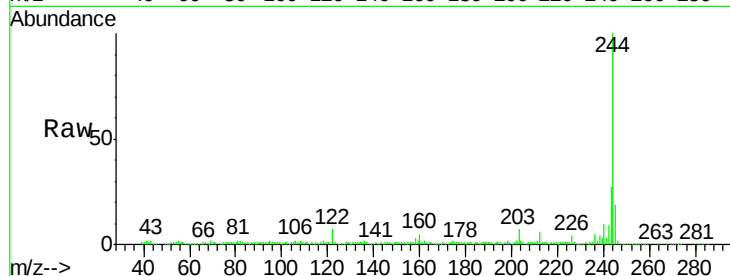
Tgt Ion:244 Resp: 288520

Ion Ratio Lower Upper

244 100

212 6.2 6.2 9.2

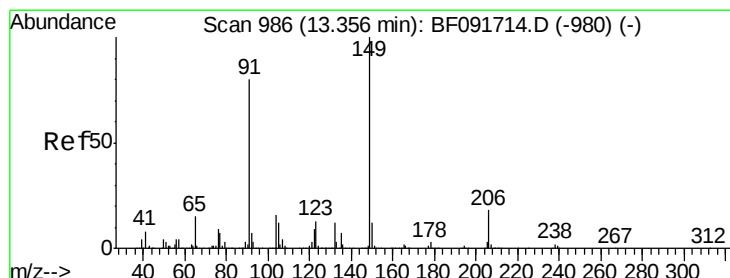
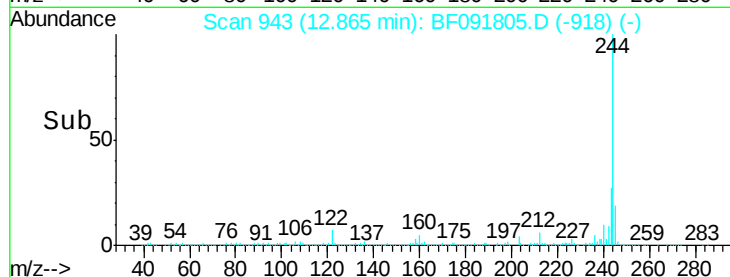
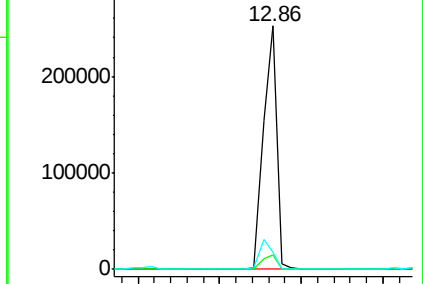
122 7.2 11.4 17.2#



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



#79

Butylbenzylphthalate

Concen: 2.13 ng

RT: 13.34 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

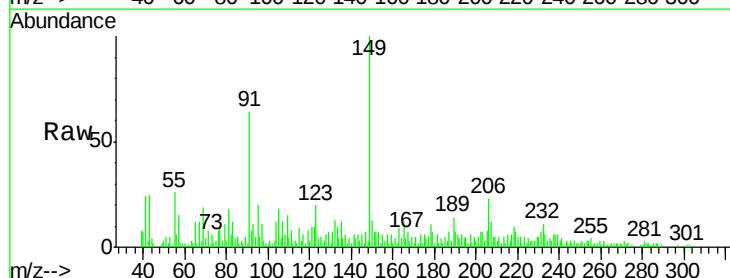
Tgt Ion:149 Resp: 32178

Ion Ratio Lower Upper

149 100

91 64.4 63.9 95.9

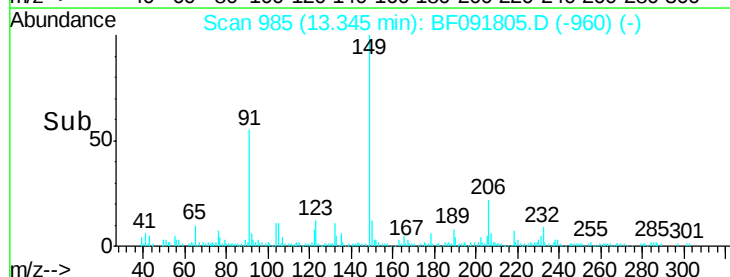
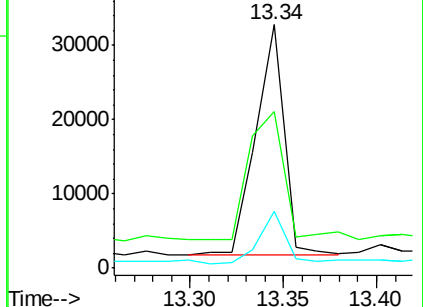
206 23.1 14.6 21.8#

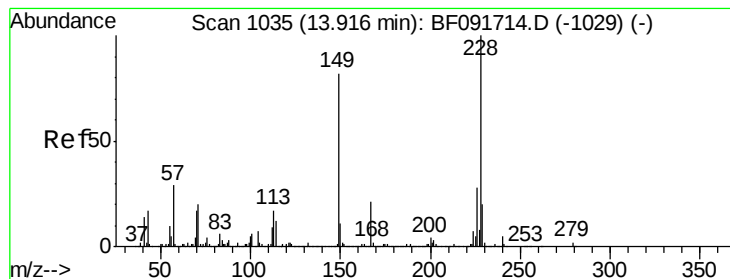


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 9.32 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

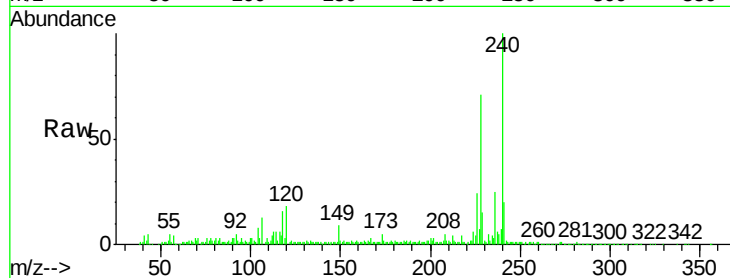
Tgt Ion:228 Resp: 238497

Ion Ratio Lower Upper

228 100

226 33.2 22.4 33.6

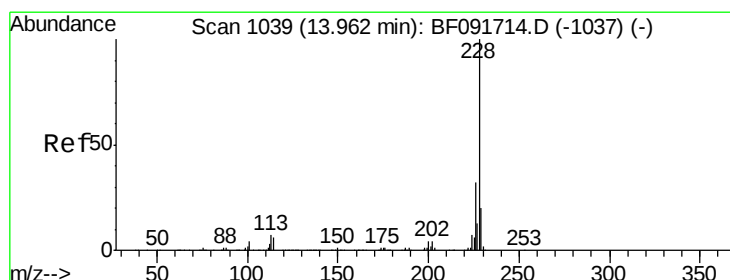
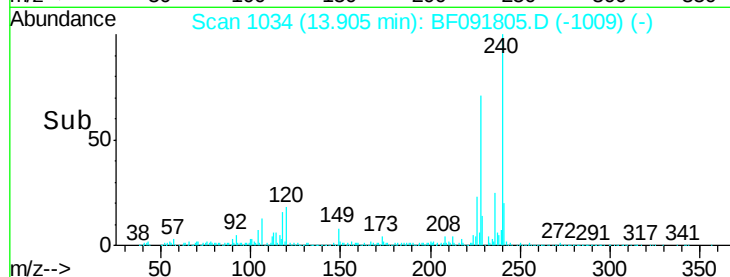
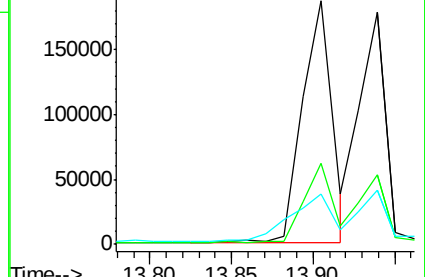
229 20.8 16.2 24.4



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



#82

Chrysene

Concen: 8.99 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

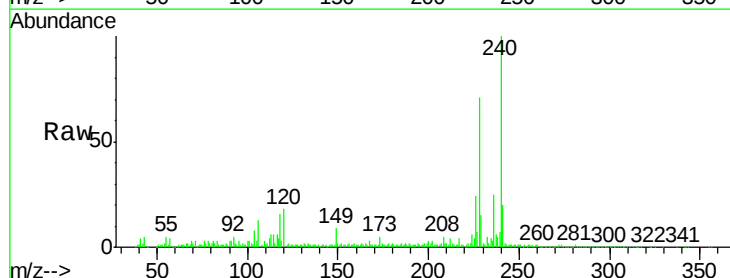
Tgt Ion:228 Resp: 238497

Ion Ratio Lower Upper

228 100

226 33.2 25.4 38.0

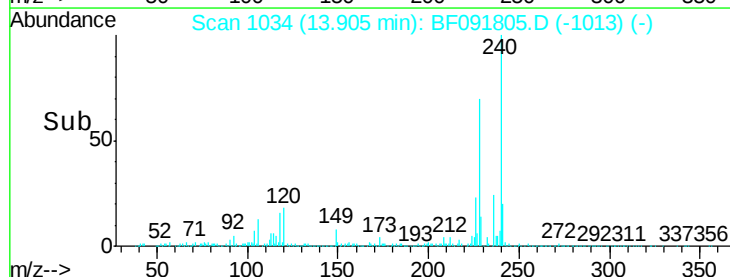
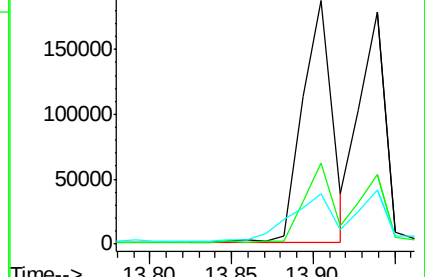
229 20.8 16.2 24.2

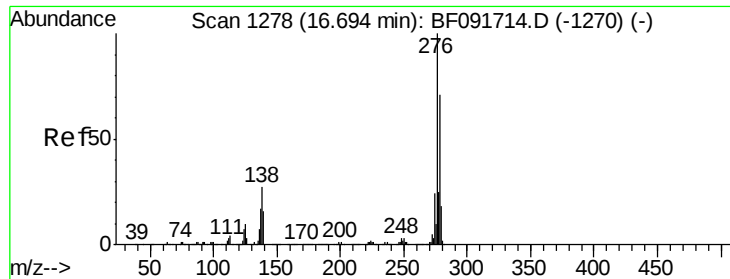


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

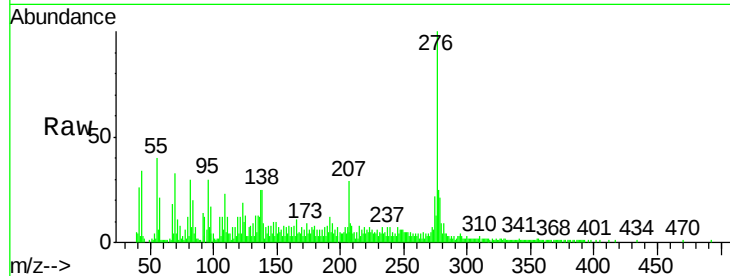




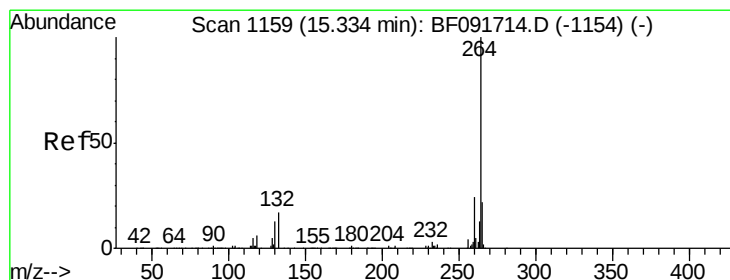
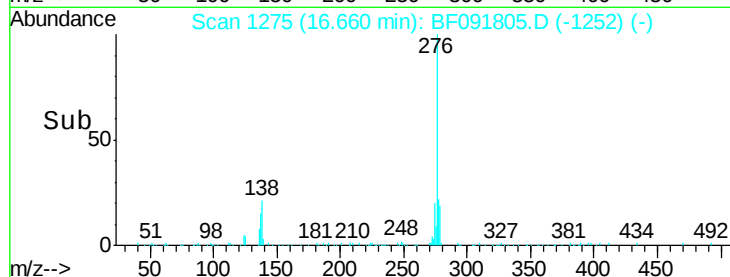
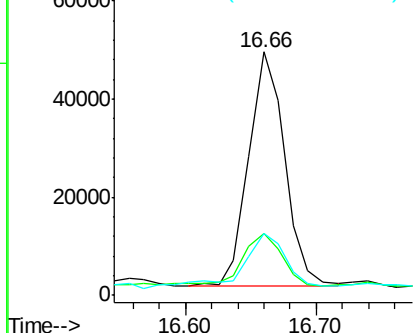
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.52 ng
 RT: 16.66 min Scan# 1275
 Delta R.T. -0.03 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tgt Ion: 276 Resp: 91914
 Ion Ratio Lower Upper
 276 100
 138 25.3 21.8 32.6
 277 28.1 20.2 30.4

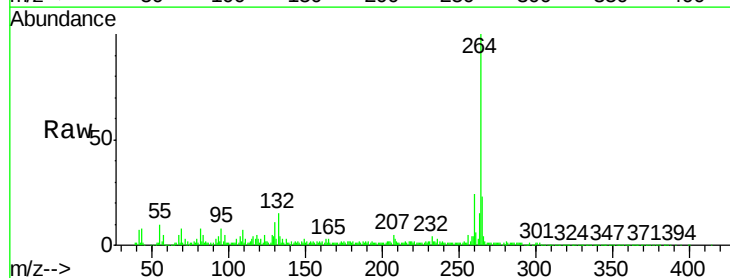


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

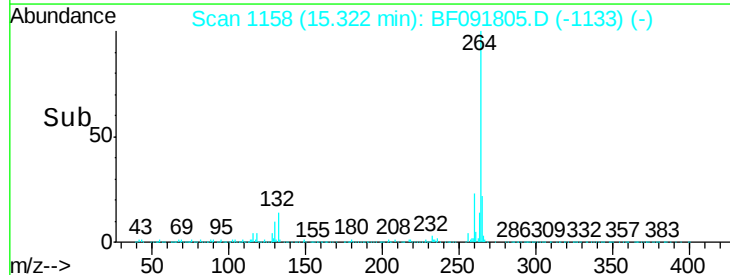
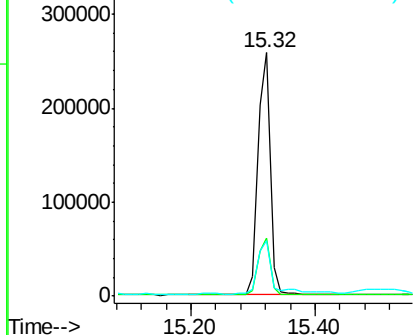


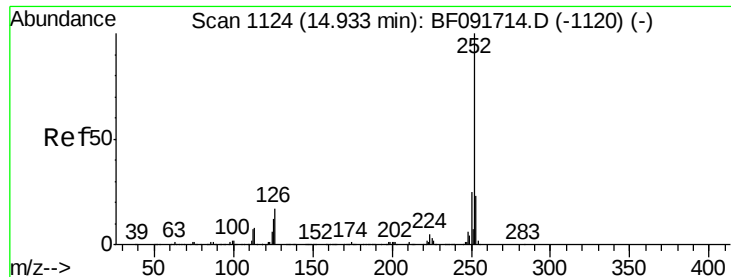
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Tgt Ion: 264 Resp: 359560
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.6 17.4 26.0



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

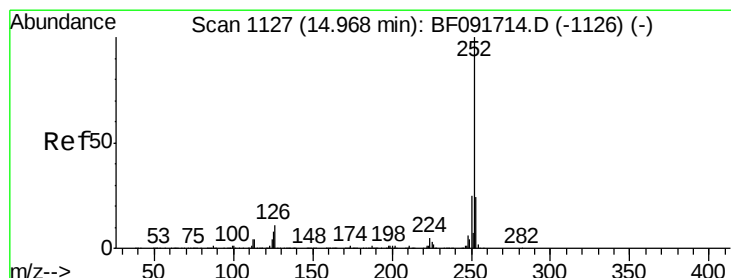
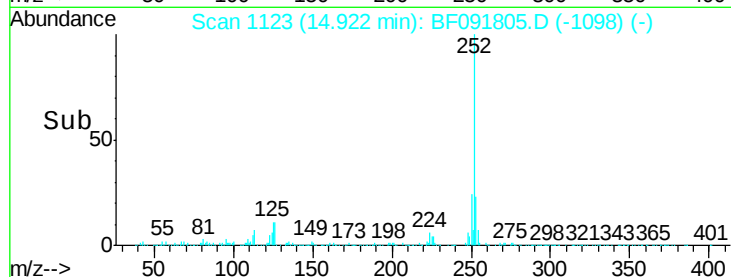
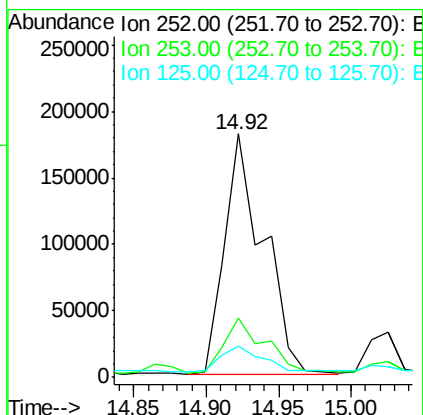
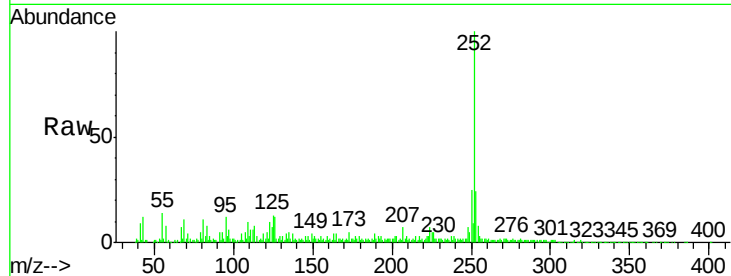




#87
Benzo(b)fluoranthene
Concen: 14.84 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

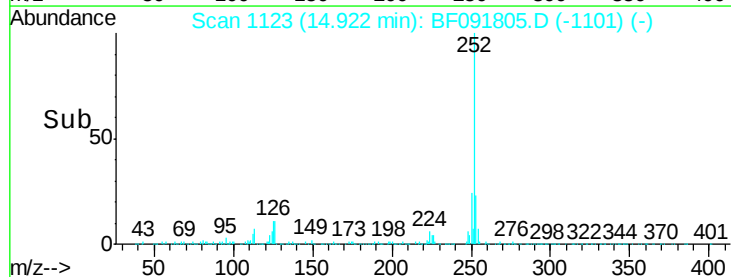
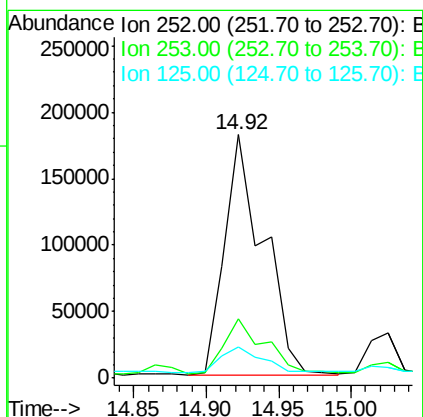
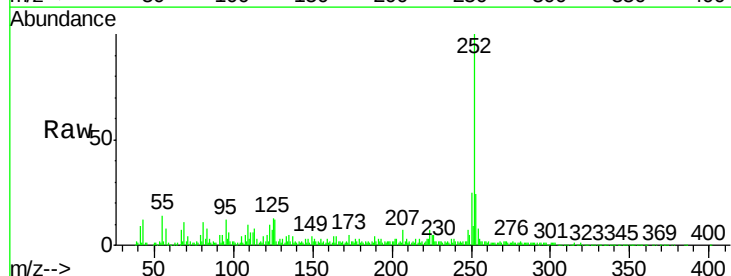
Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

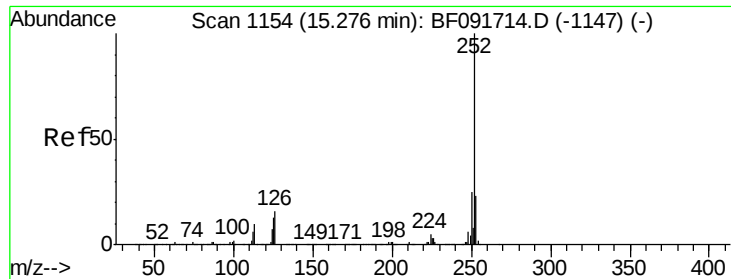
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.4
125	13.0	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 21.15 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.04 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	13.0	8.9	13.3





#89

Benzo(a)pyrene

Concen: 8.61 ng

RT: 15.25 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

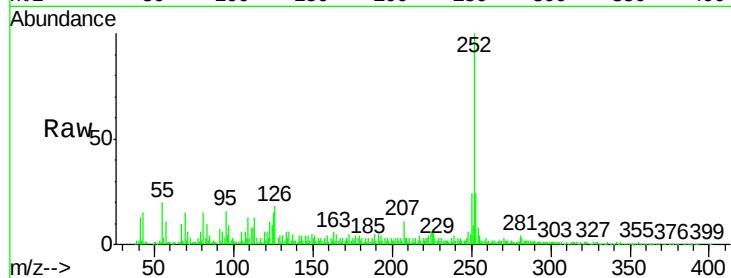
Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

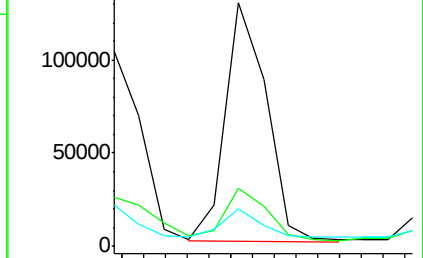
Tgt Ion:	252	Resp:	168424
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.2
125	15.3	10.0	15.0#



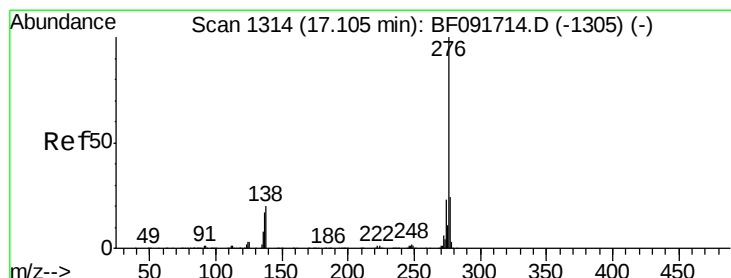
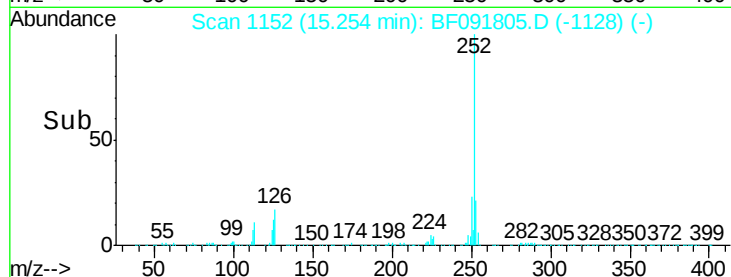
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 5.60 ng

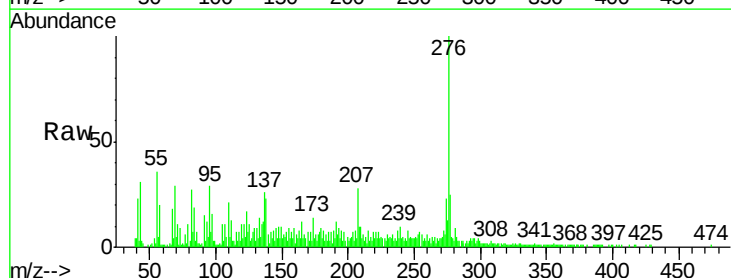
RT: 17.07 min Scan# 1311

Delta R.T. -0.03 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

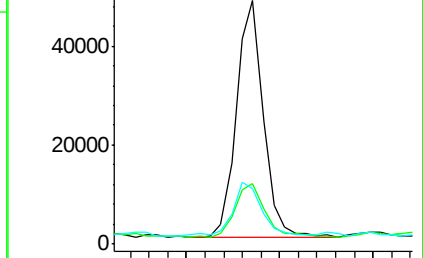
Tgt Ion:	276	Resp:	97028
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.2	28.8
138	22.8	16.0	24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->

