

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092177.D
 Acq On : 10 Jan 2017 13:06
 Operator : UM/SJ
 Sample : I1045-02RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 13:54:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	227217	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	664347	20.00	ng	-0.02
38) Acenaphthene-d10	9.67	164	320480	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	458667	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	377453	20.00	ng	0.00
86) Perylene-d12	15.16	264	254070	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	405170	29.77	ng	0.00
7) Phenol-d6	6.30	99	981590	59.08	ng	-0.01
23) Nitrobenzene-d5	7.19	82	534085	44.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	56447	21.28	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	868908	50.28	ng	-0.01
78) Terphenyl-d14	12.73	244	681963	43.82	ng	-0.01

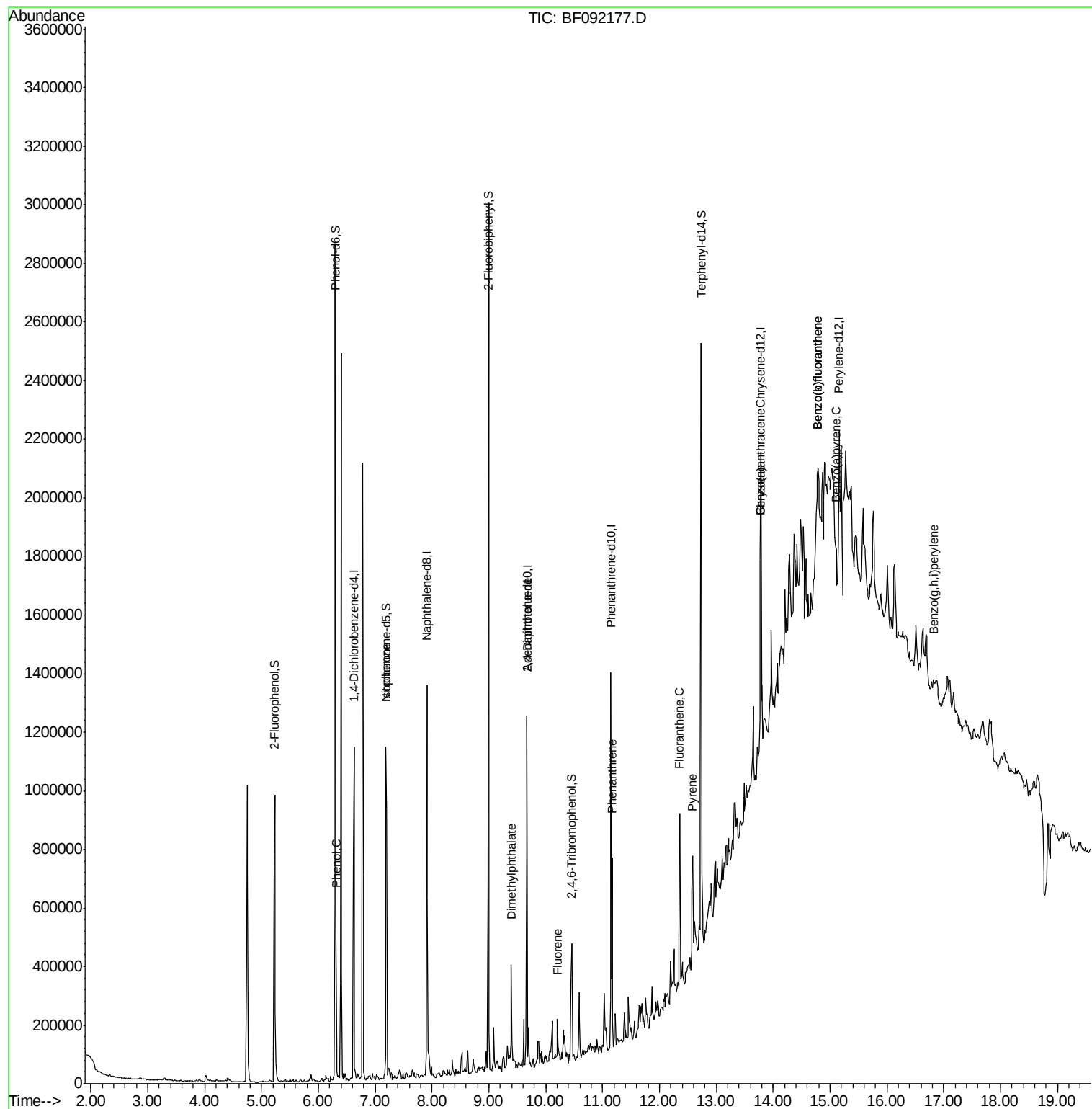
Target Compounds				Qvalue		
9) Benzaldehyde	6.17	77	1464	Below Cal	#	47
10) Phenol	6.31	94	56178	2.97	ng	# 73
25) Isophorone	7.19	82	515842	23.40	ng	# 65
49) Dimethylphthalate	9.40	163	133317	6.50	ng	100
56) 2,4-Dinitrotoluene	9.67	165	44241	7.86	ng	# 20
57) Fluorene	10.21	166	38235	2.15	ng	96
70) Phenanthrene	11.17	178	234012	9.41	ng	97
73) Di-n-butylphthalate	11.72	149	7612	Below Cal	#	90
74) Fluoranthene	12.36	202	243631	8.02	ng	94
76) Benzidine	12.52	184	625	Below Cal	#	1
77) Pyrene	12.58	202	199147	7.19	ng	98
80) Benzo(a)anthracene	13.77	228	92504	4.34	ng	# 93
82) Chrysene	13.77	228	92504	4.33	ng	# 93
87) Benzo(b)fluoranthene	14.78	252	101328	6.41	ng	# 54
88) Benzo(k)fluoranthene	14.78	252	101328	7.51	ng	# 54
89) Benzo(a)pyrene	15.10	252	43924	3.13	ng	# 42
91) Benzo(a,h,i)perylene	16.83	276	31407	2.62	ng	# 54

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

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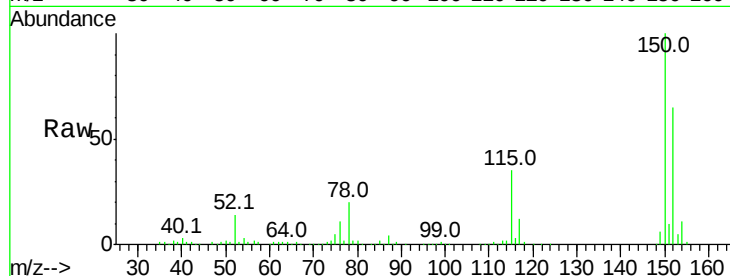


#1

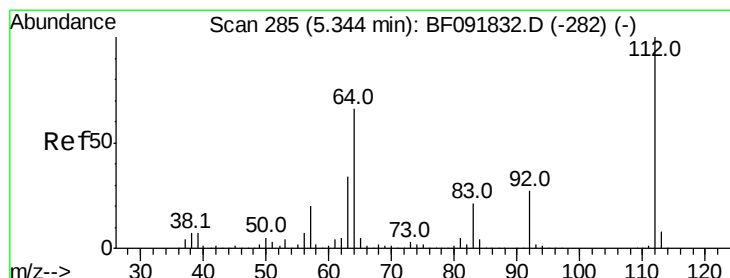
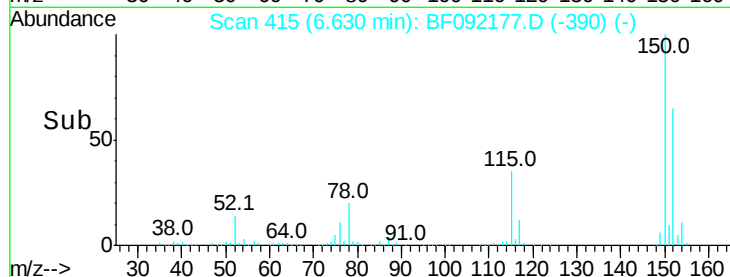
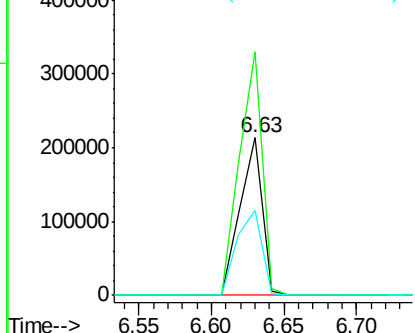
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 227217
Ion Ratio Lower Upper
152 100
150 154.8 124.9 187.3
115 53.6 46.0 69.0



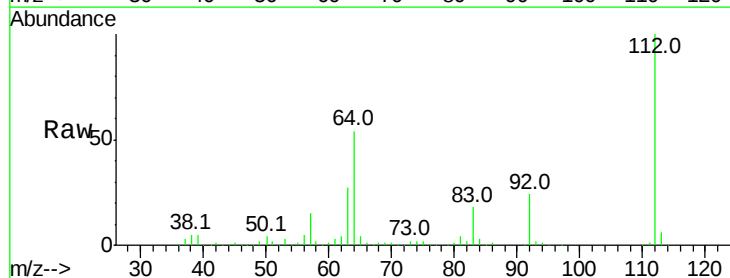
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



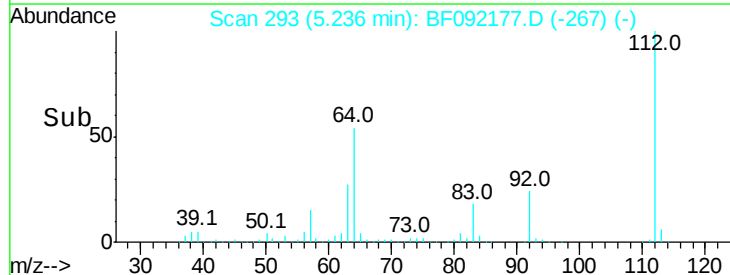
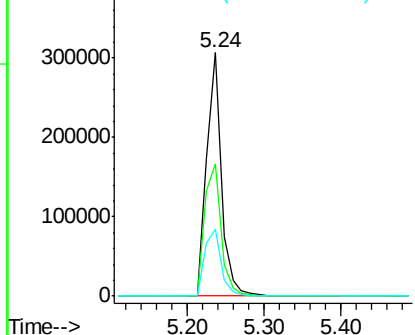
#5

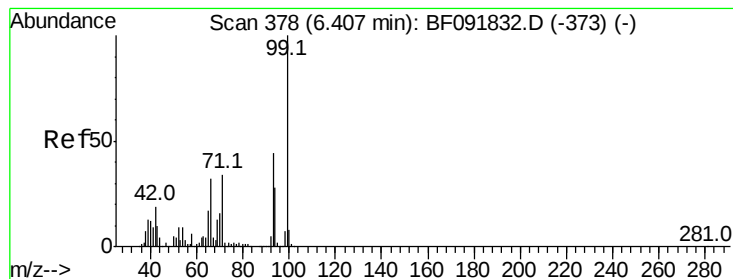
2-Fluorophenol
Concen: 29.77 ng
RT: 5.24 min Scan# 293
Delta R.T. 0.00 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Tgt Ion:112 Resp: 405170
Ion Ratio Lower Upper
112 100
64 54.1 46.1 69.1
63 27.3 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: 59.08 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

Instrument :

BNA_F

ClientSampled :

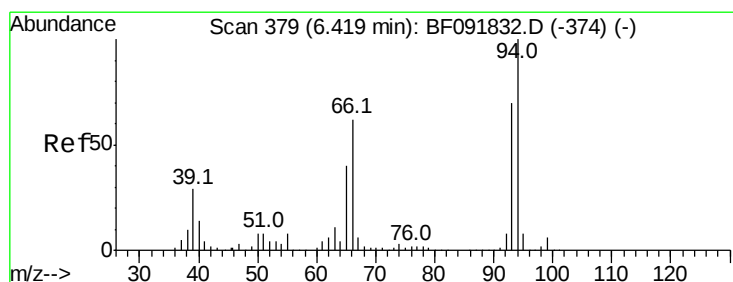
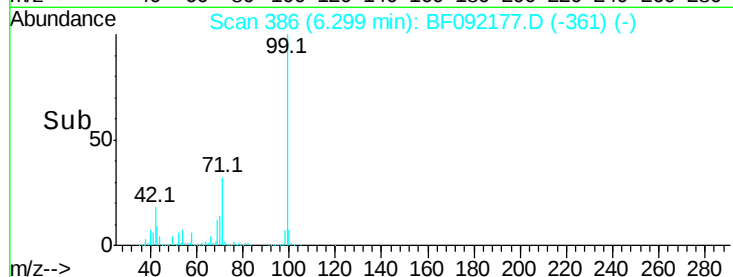
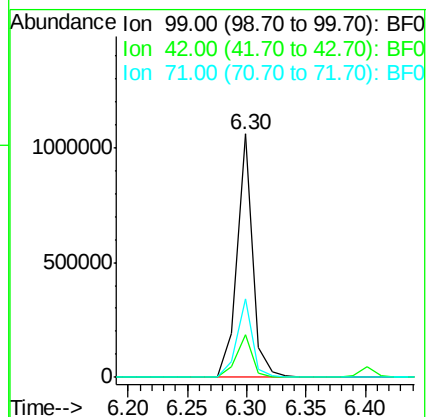
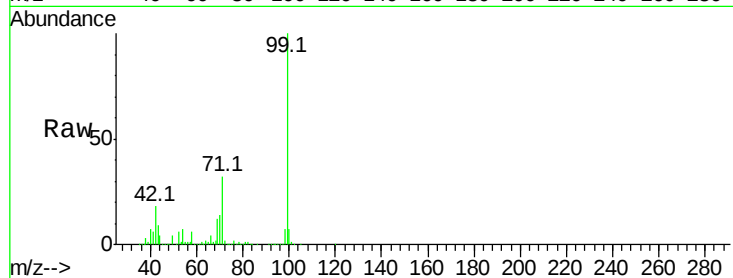
Tot Ion: 99 Resp: 981590

Ion Ratio Lower Upper

99 100

42 17.6 15.6 23.4

71 32.1 27.5 41.3



#10

Phenol

Concen: 2.97 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

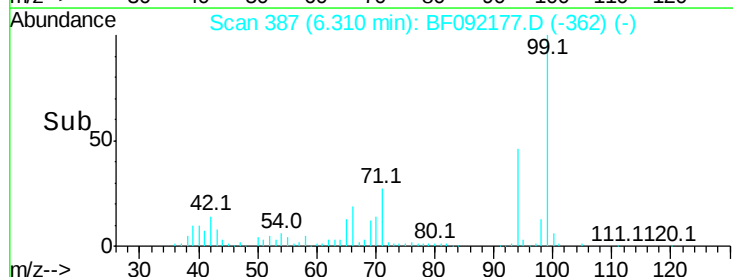
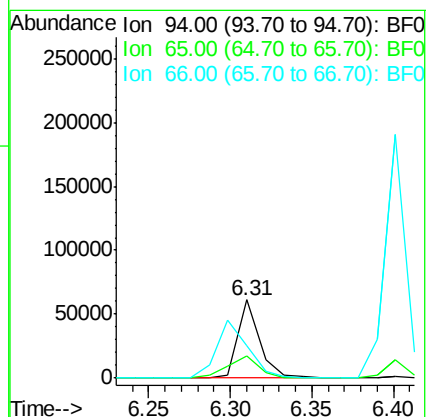
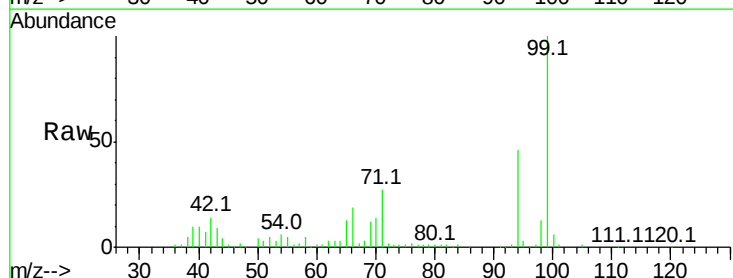
Tgt Ion: 94 Resp: 56178

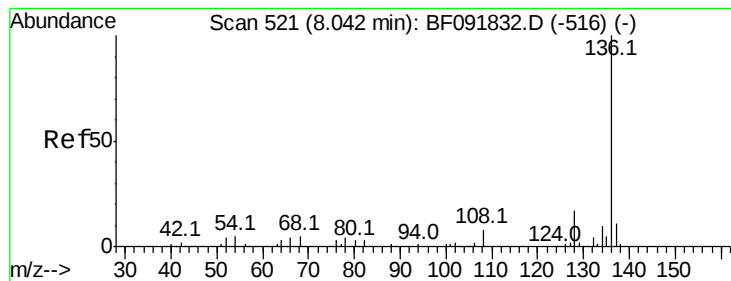
Ion Ratio Lower Upper

94 100

65 27.6 21.4 61.4

66 40.8 44.0 84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 527

Delta R.T. -0.02 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 664347

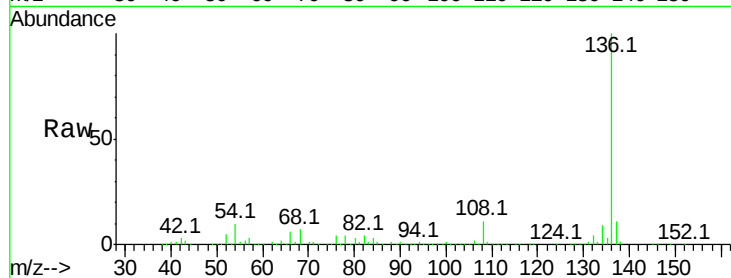
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.9	4.5	6.7#
68	7.5	3.6	5.4#

136 100

137 11.2 8.4 12.6

54 9.9 4.5 6.7#

68 7.5 3.6 5.4#

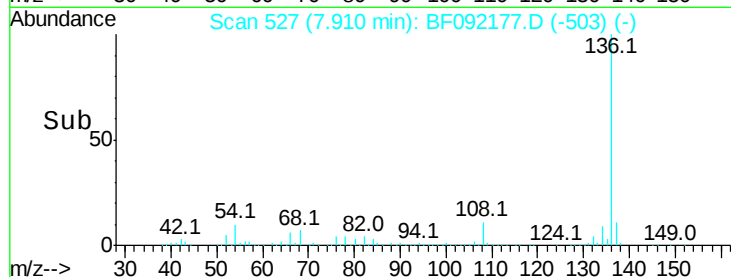


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

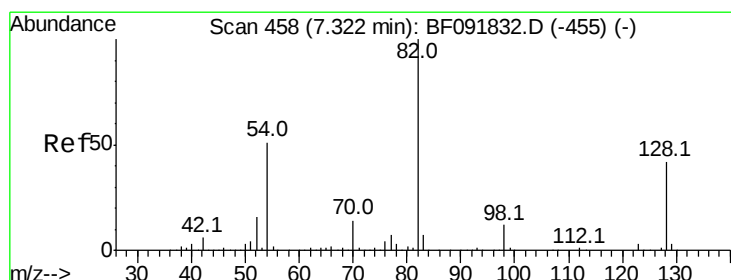
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.91



#23

Nitrobenzene-d5

Concen: 44.70 ng

RT: 7.19 min Scan# 464

Delta R.T. -0.02 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

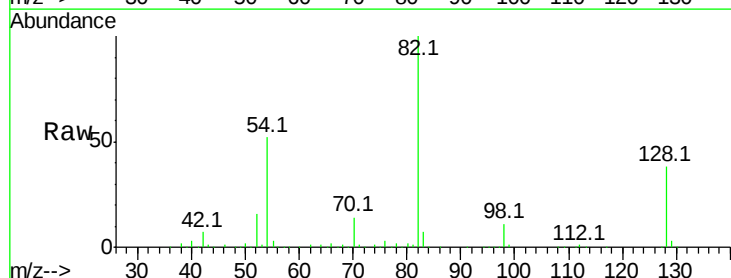
Tgt Ion: 82 Resp: 534085

Ion	Ratio	Lower	Upper
82	100		
128	38.4	34.6	52.0
54	52.2	39.5	59.3

82 100

128 38.4 34.6 52.0

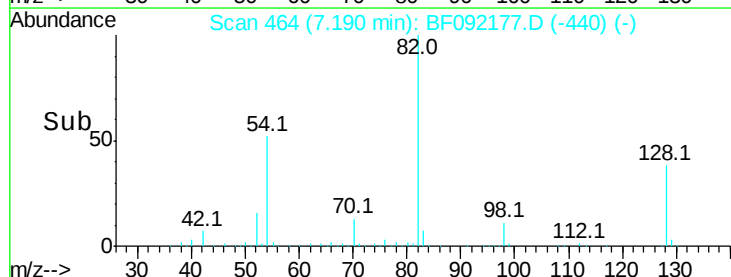
54 52.2 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

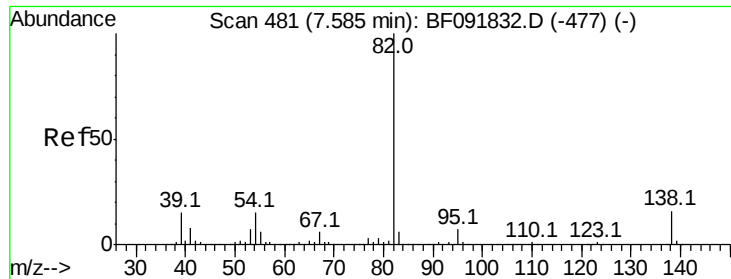
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.19



#25

Isophorone

Concen: 23.40 ng

RT: 7.19 min Scan# 464

Delta R.T. -0.29 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

Instrument :

BNA_F

ClientSampleId :

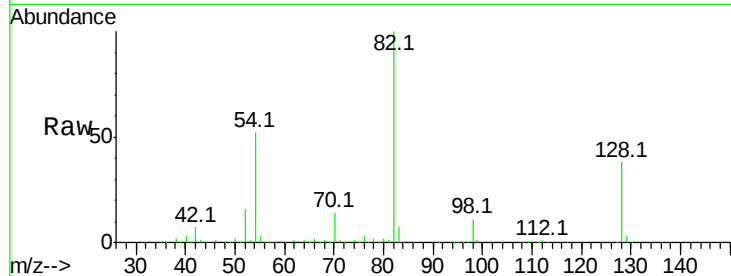
Tot Ion: 82 Resp: 515842

Ion Ratio Lower Upper

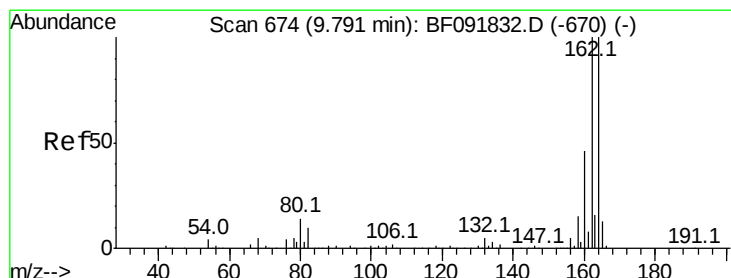
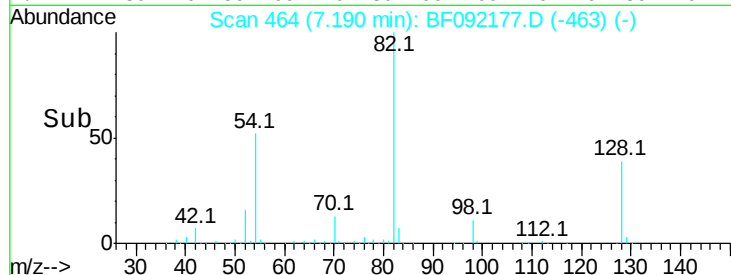
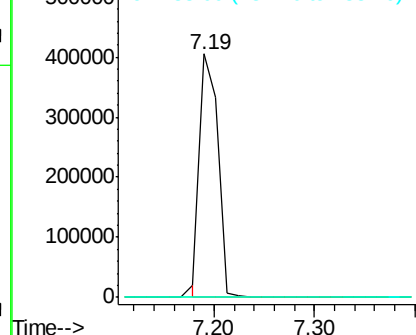
82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



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: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

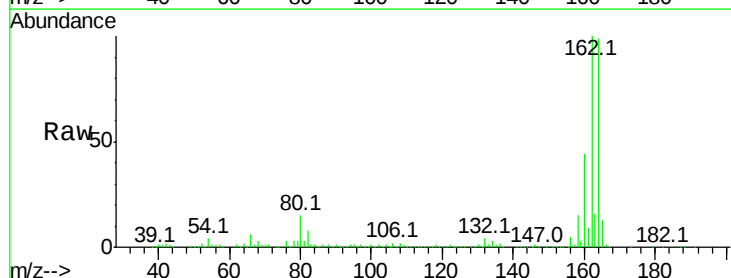
Tgt Ion:164 Resp: 320480

Ion Ratio Lower Upper

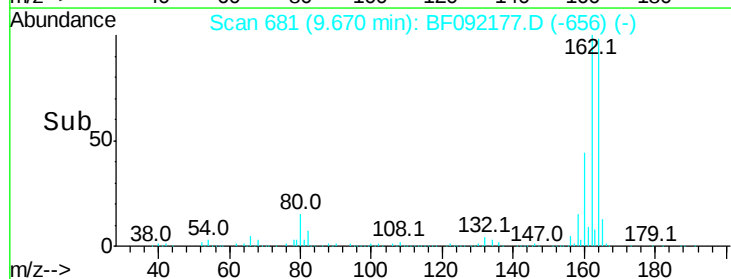
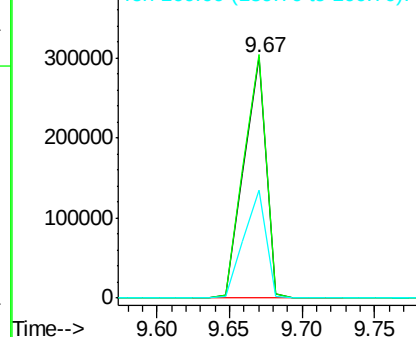
164 100

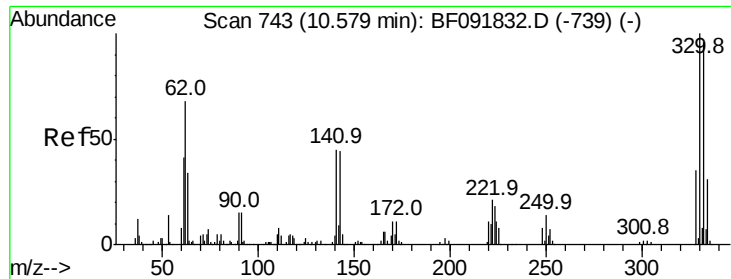
162 101.1 80.2 120.2

160 44.9 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

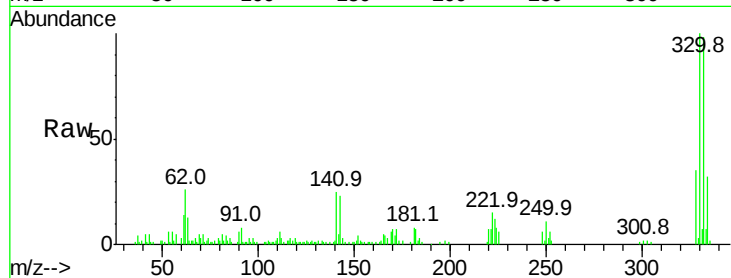




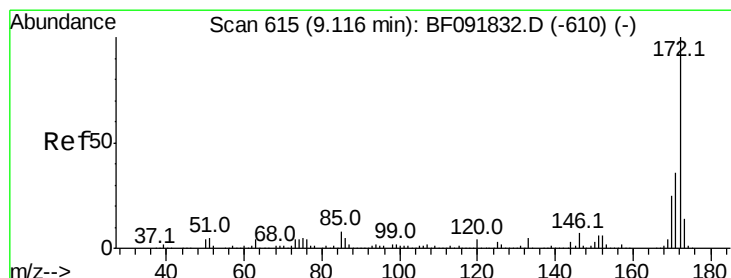
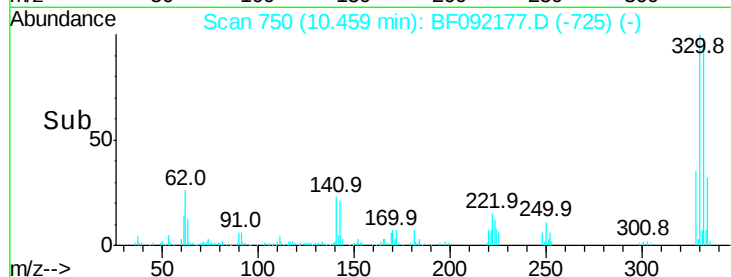
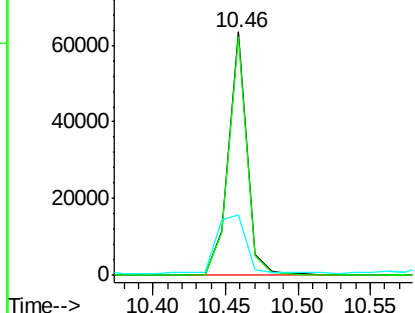
#41
 2,4,6-Tribromophenol
 Concen: 21.28 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092177.D
 Acq: 10 Jan 2017 13:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	38.6	34.1	51.1

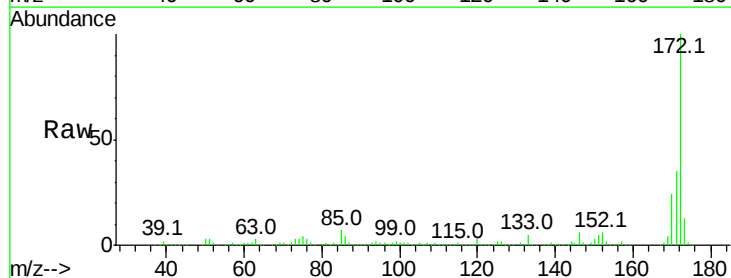


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

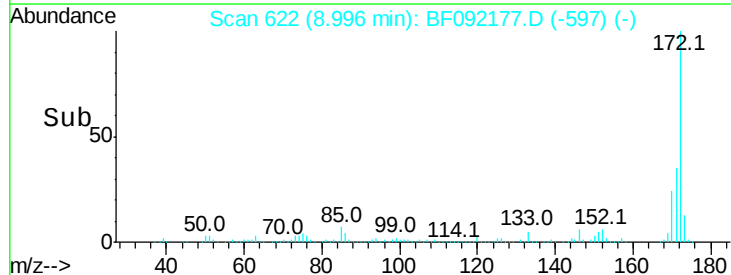
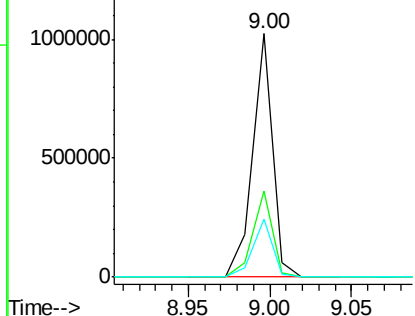


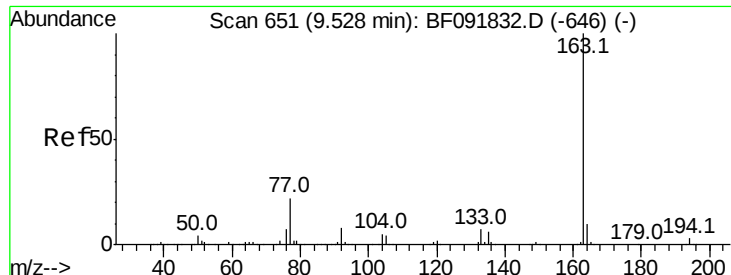
#44
 2-Fluorobiphenyl
 Concen: 50.28 ng
 RT: 9.00 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF092177.D
 Acq: 10 Jan 2017 13:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	23.7	20.2	30.4



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

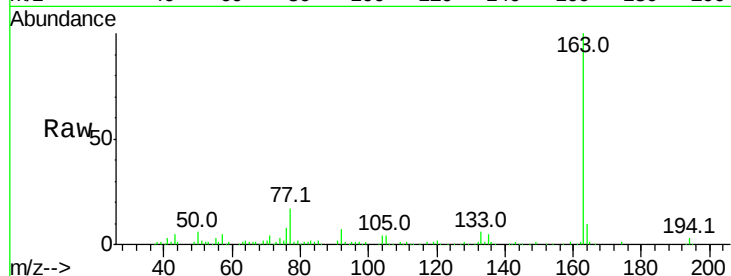




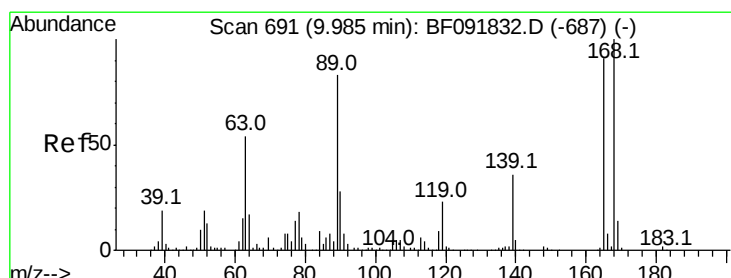
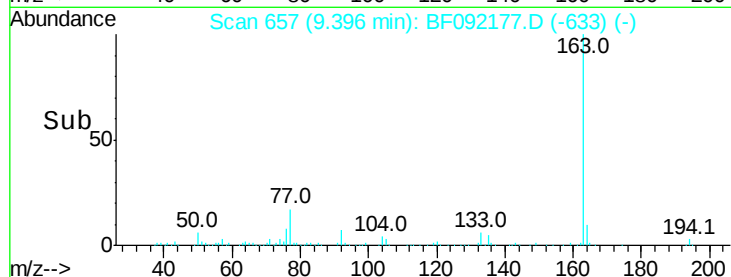
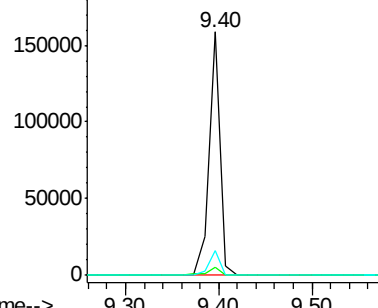
#49
Dimethylphthalate
Concen: 6.50 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 133317
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.1 8.0 12.0

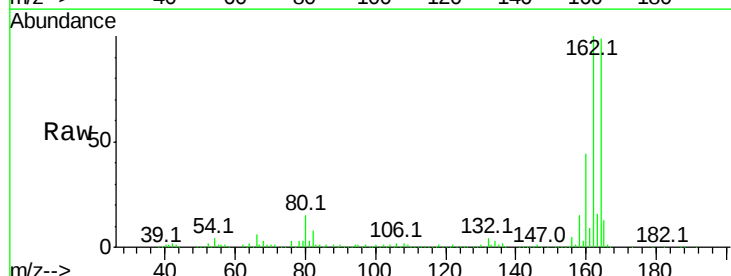


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

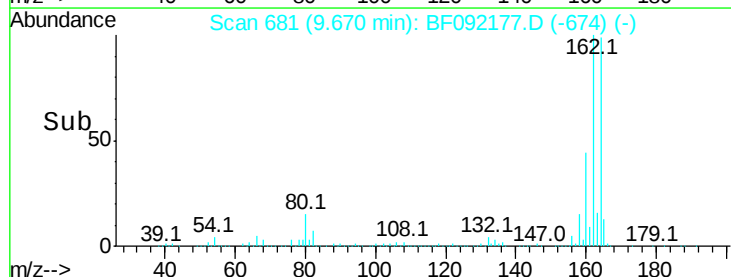
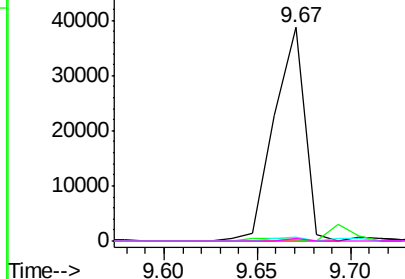


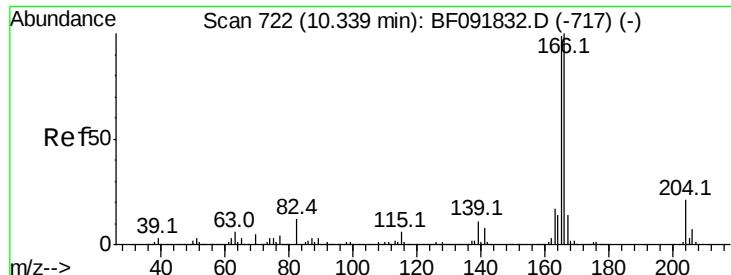
#56
2,4-Dinitrotoluene
Concen: 7.86 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.22 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Tgt Ion:165 Resp: 44241
Ion Ratio Lower Upper
165 100
63 0.8 40.2 60.4#
89 1.6 62.5 93.7#
182 1.2 1.8 2.8#



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

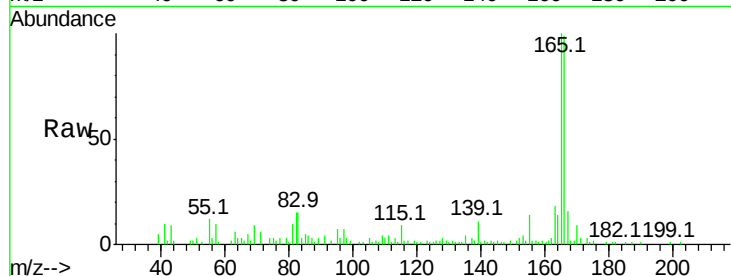




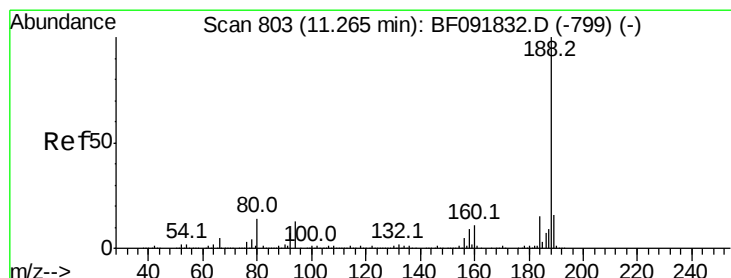
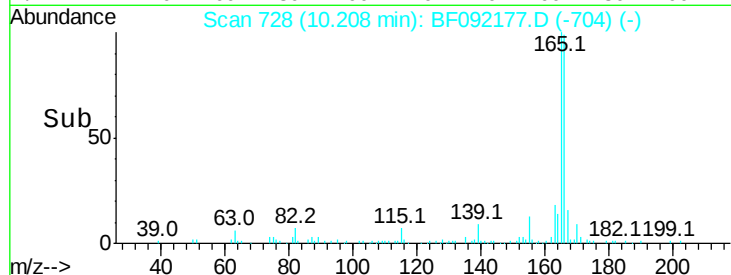
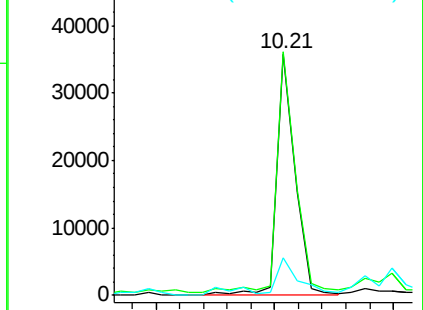
#57
Fluorene
Concen: 2.15 ng
RT: 10.21 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:166 Resp: 38235
Ion Ratio Lower Upper
166 100
165 100.8 77.8 116.8
167 15.8 10.8 16.2

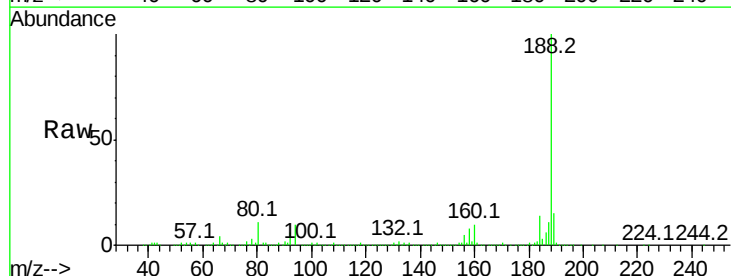


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

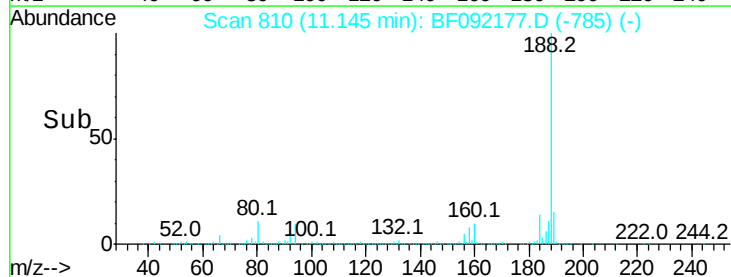
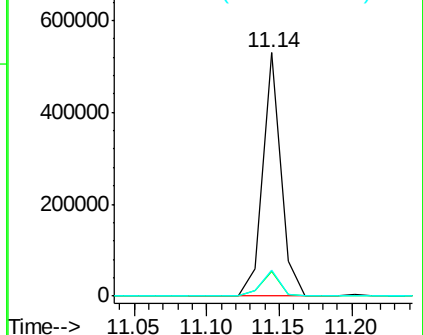


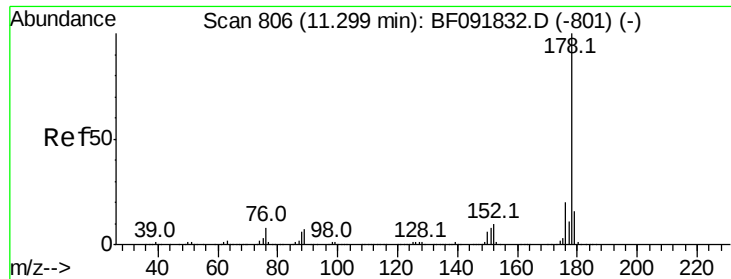
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Tgt Ion:188 Resp: 458667
Ion Ratio Lower Upper
188 100
94 10.2 10.0 15.0
80 10.6 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

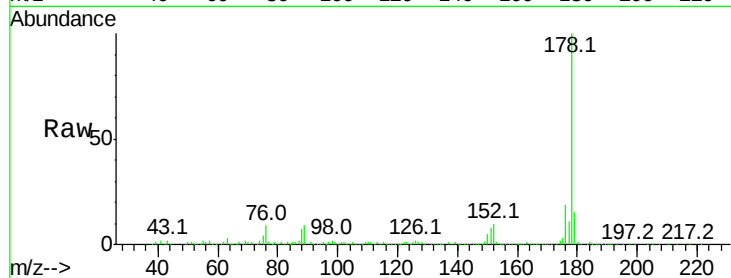




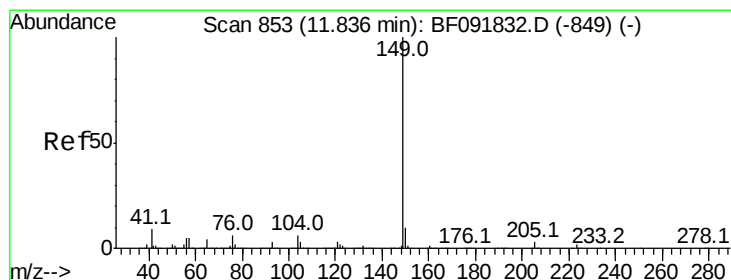
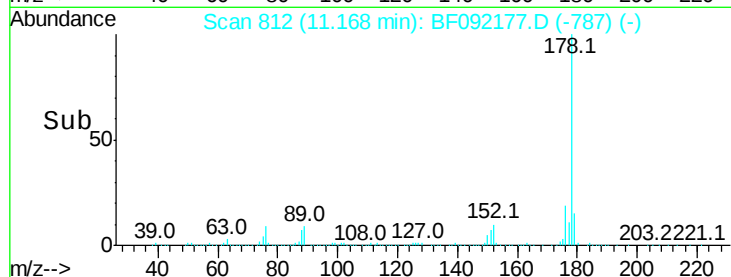
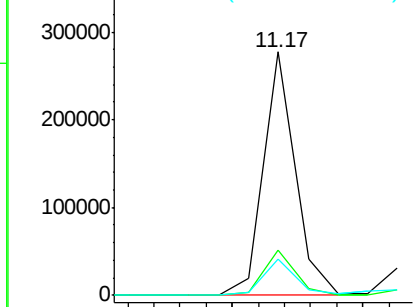
#70
Phenanthrene
Concen: 9.41 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 234012
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 15.1 12.8 19.2

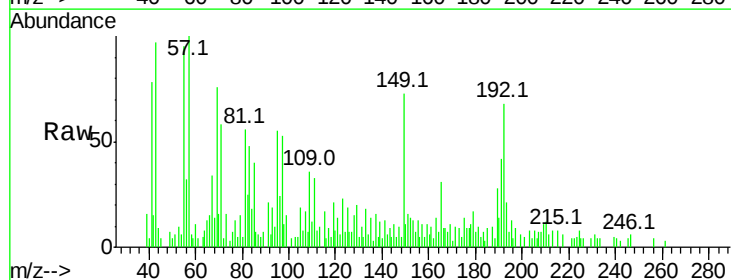


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

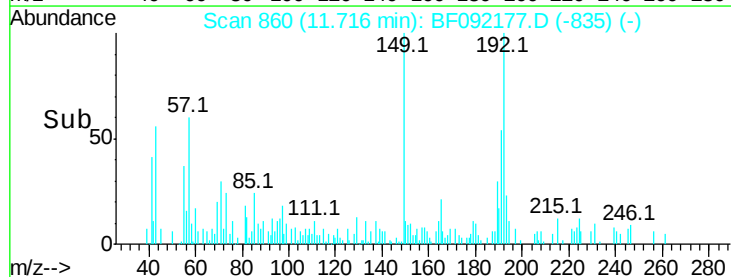
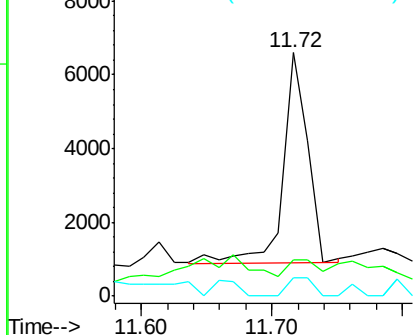


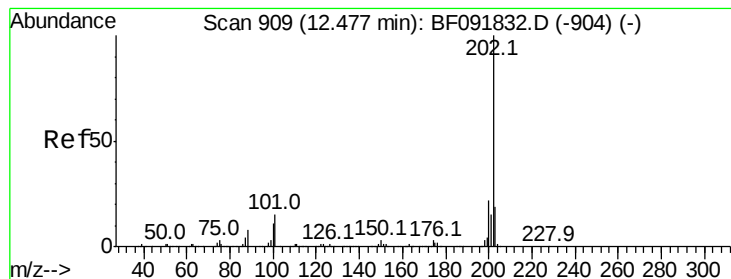
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.72 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Tgt Ion:149 Resp: 7612
Ion Ratio Lower Upper
149 100
150 14.9 8.1 12.1#
104 7.4 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 8.02 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

Instrument :

BNA_F

ClientSampleId :

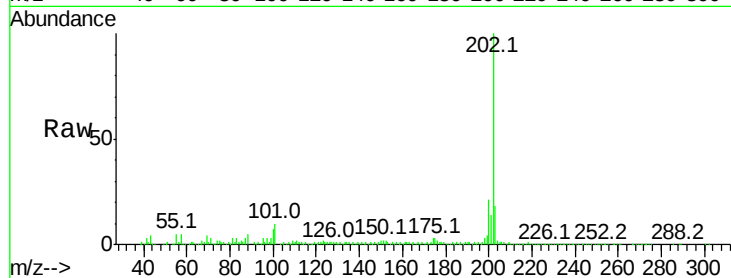
Tot Ion:202 Resp: 243631

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.6

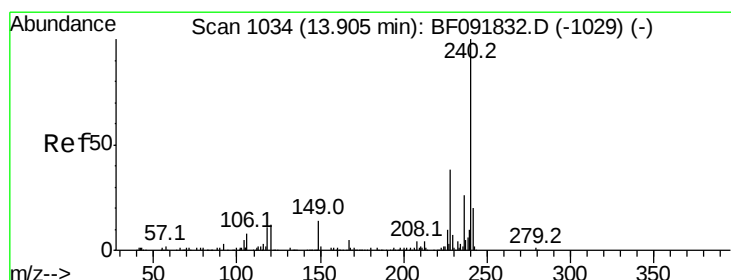
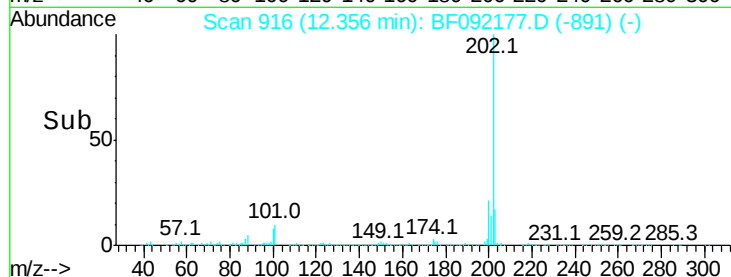
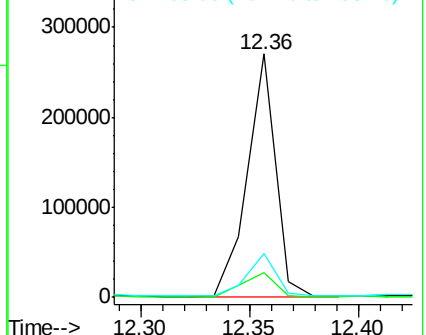
203 17.8 0.0 38.7



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: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

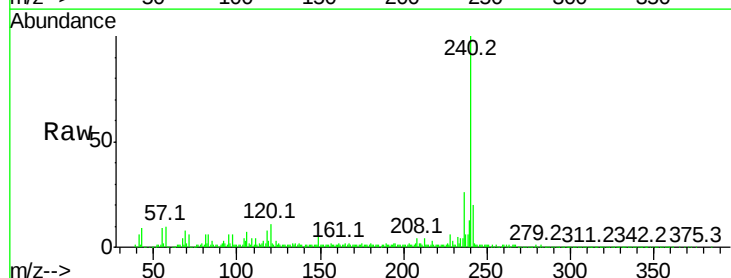
Tgt Ion:240 Resp: 377453

Ion Ratio Lower Upper

240 100

120 10.7 12.9 19.3#

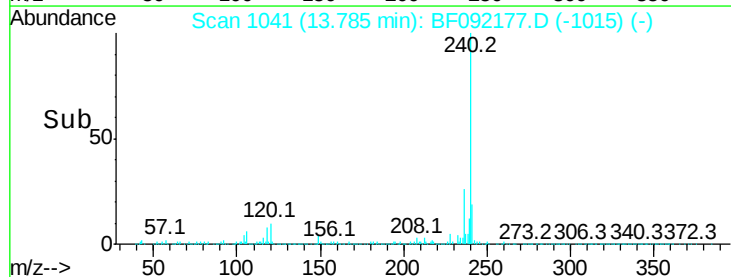
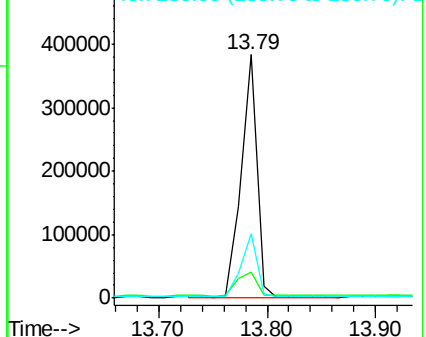
236 26.4 20.9 31.3

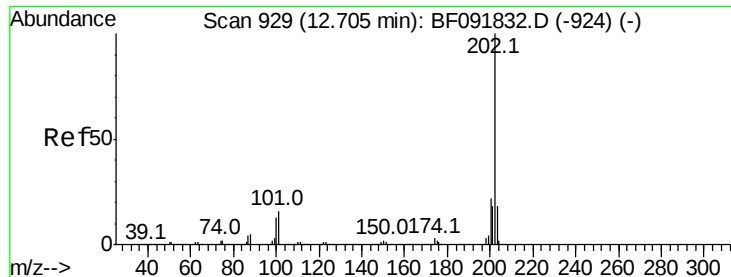


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.19 ng

RT: 12.58 min Scan# 936

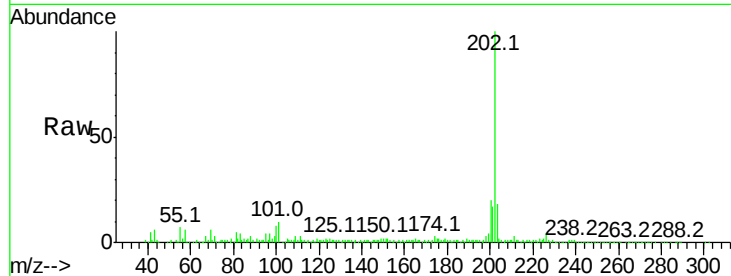
Delta R.T. 0.00 min

Lab File: BF092177.D

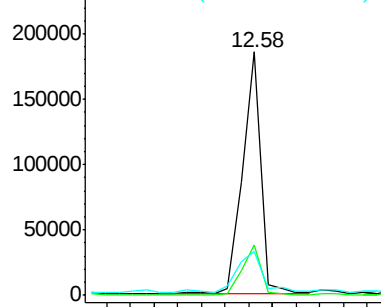
Acq: 10 Jan 2017 13:06

Instrument :
BNA_F
ClientSampled :

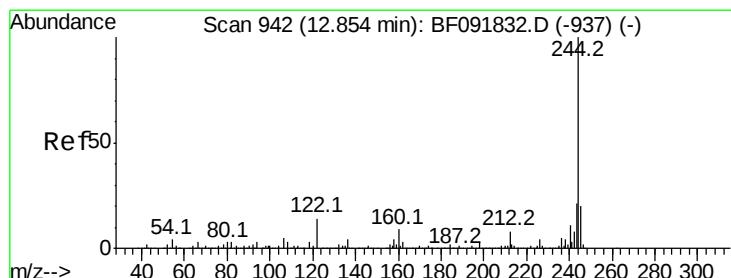
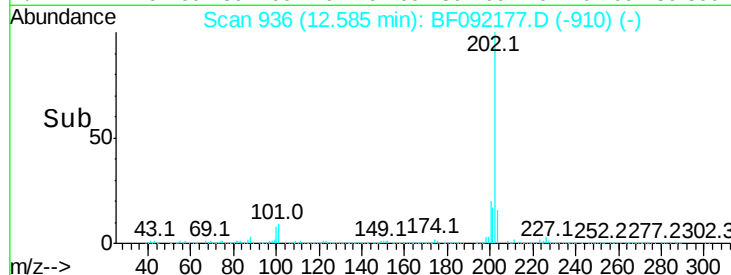
Tot Ion:	202	Resp:	199147
Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	17.8	14.7	22.1



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



Time-->



#78

Terphenyl-d14

Concen: 43.82 ng

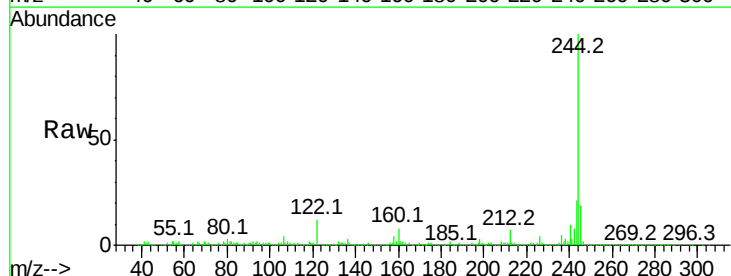
RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

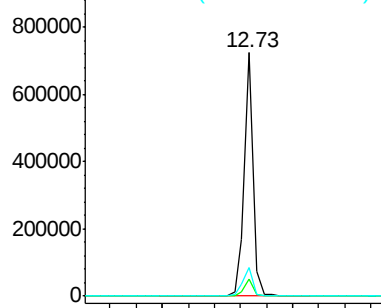
Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

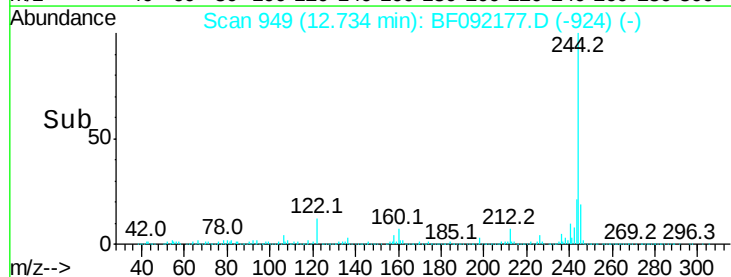
Tgt Ion:	244	Resp:	681963
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	11.6	11.4	17.2

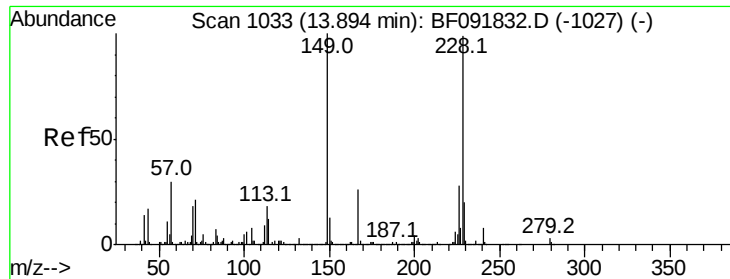


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 4.34 ng

RT: 13.77 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

Instrument :

BNA_F

ClientSampleId :

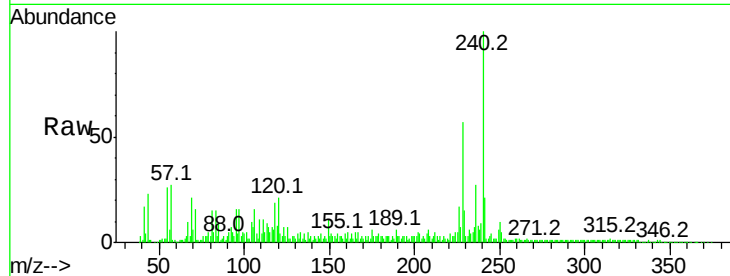
Tot Ion:228 Resp: 92504

Ion Ratio Lower Upper

228 100

226 29.5 22.4 33.6

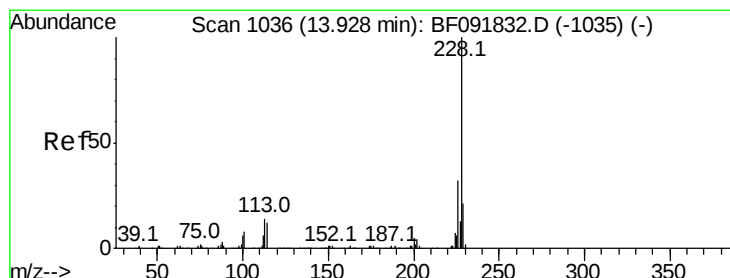
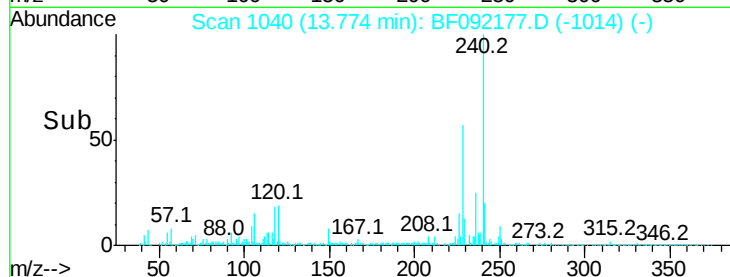
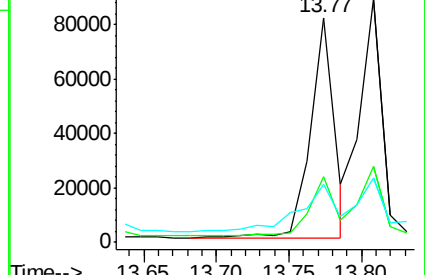
229 26.0 16.2 24.4#



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: 4.33 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF092177.D

Acq: 10 Jan 2017 13:06

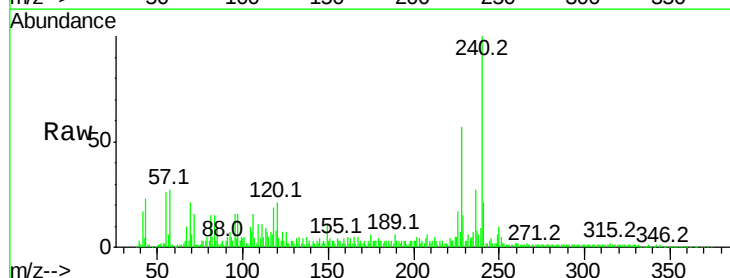
Tgt Ion:228 Resp: 92504

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

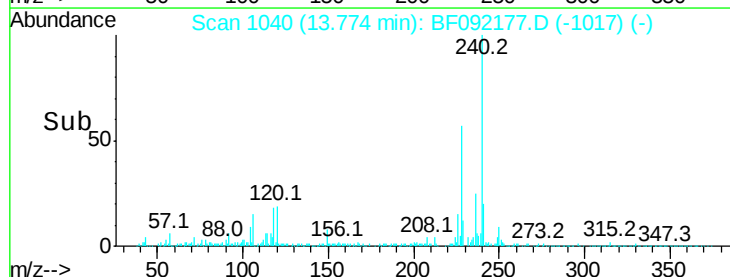
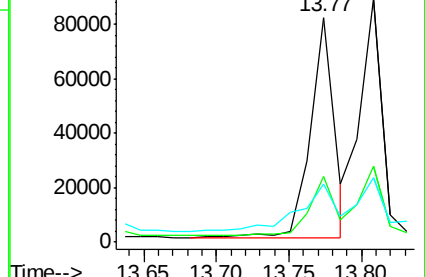
229 26.0 16.2 24.2#

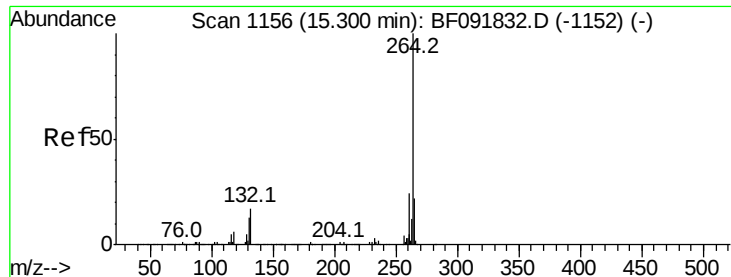


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

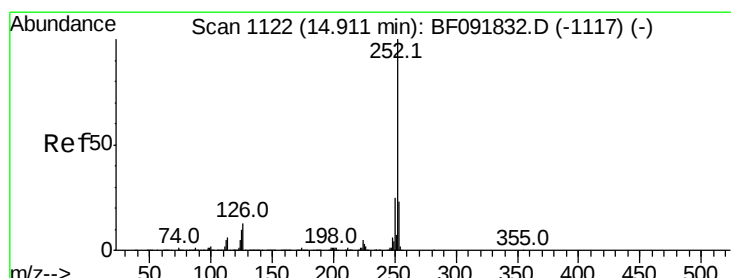
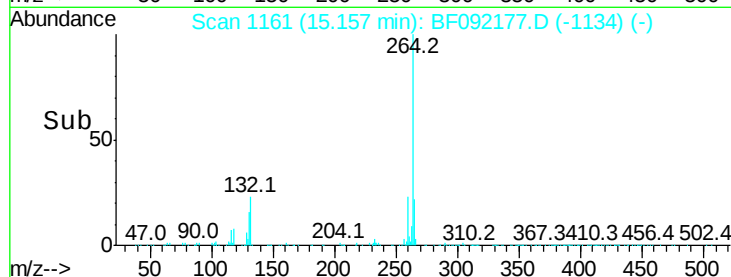
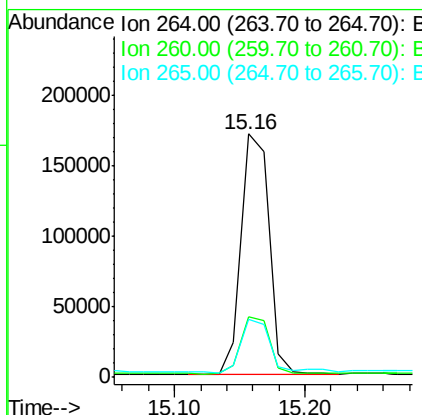
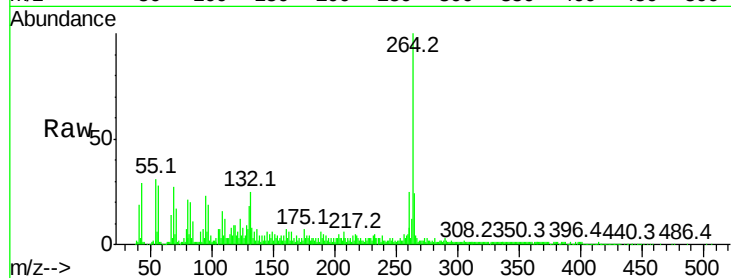




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

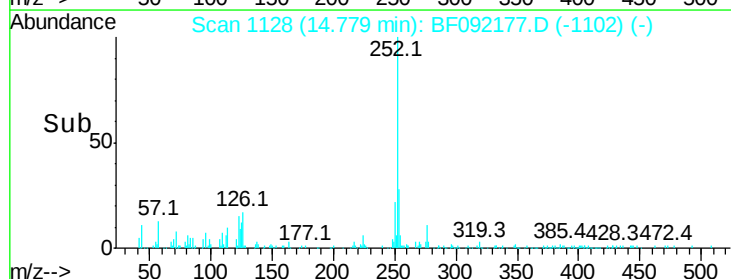
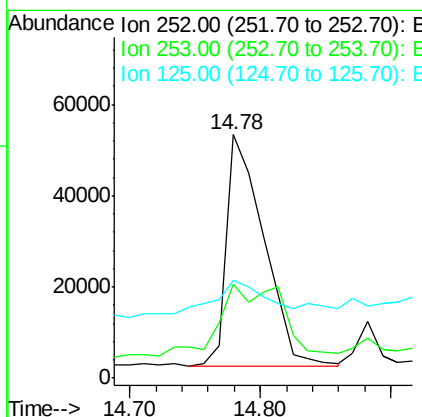
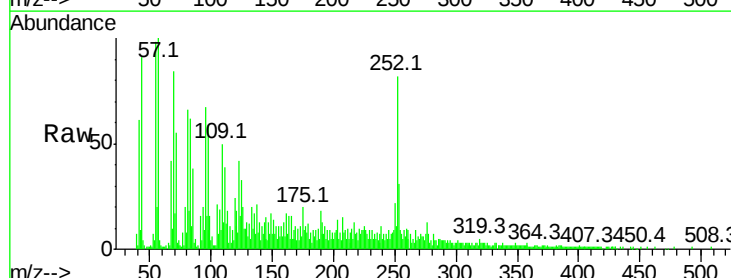
Instrument :
BNA_F
ClientSampleId :

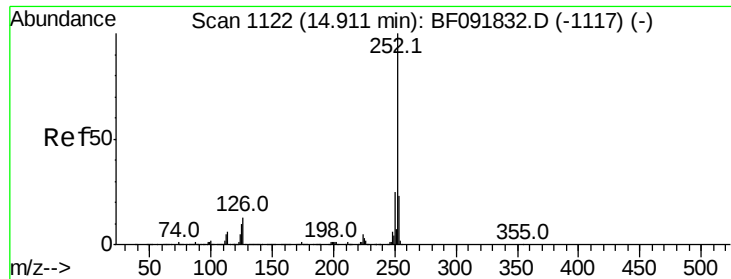
Tot Ion:264 Resp: 254070
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 24.1 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 6.41 ng
RT: 14.78 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Tgt Ion:252 Resp: 101328
Ion Ratio Lower Upper
252 100
253 38.3 18.2 27.4#
125 40.3 9.8 14.6#

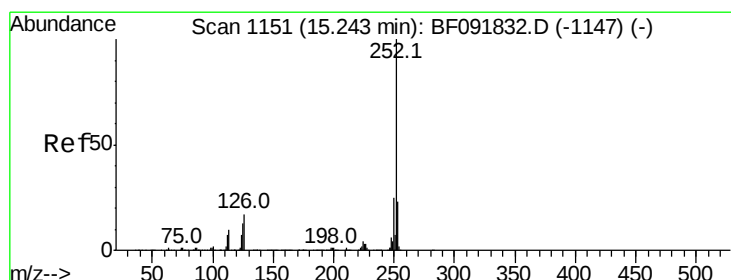
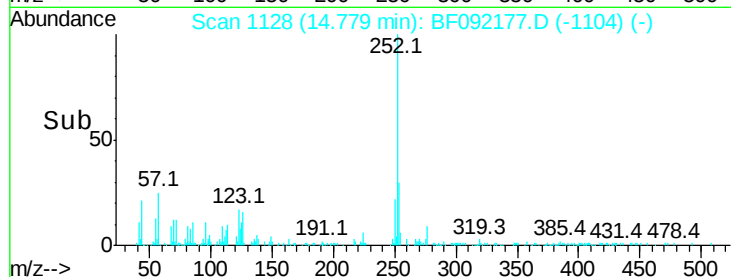
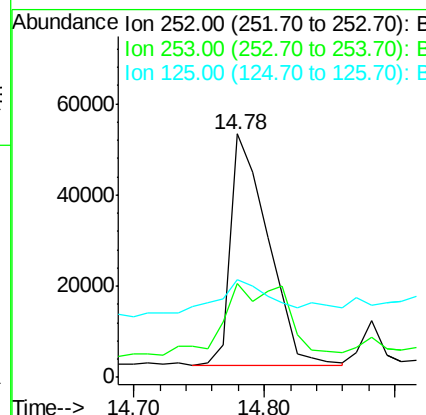
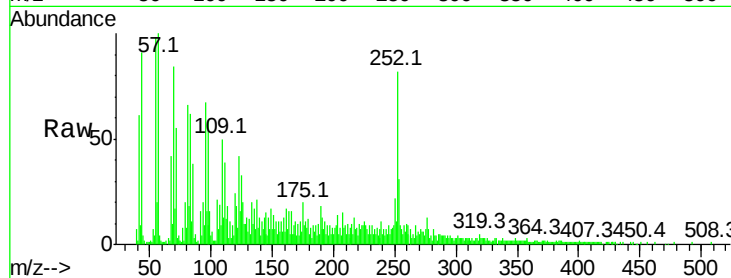




#88
Benzo(k)fluoranthene
Concen: 7.51 ng
RT: 14.78 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

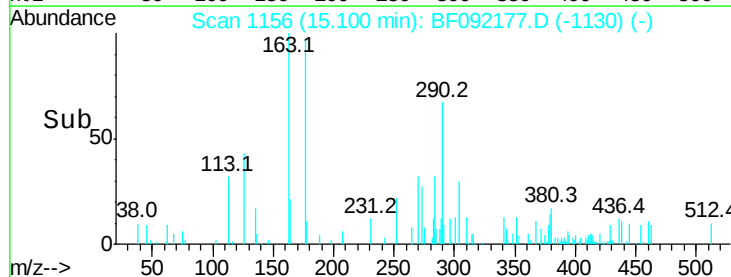
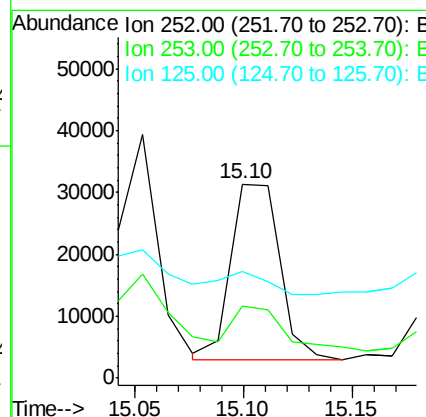
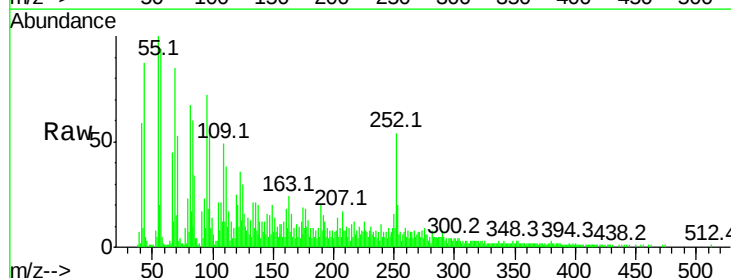
Instrument :
BNA_F
ClientSampleId :

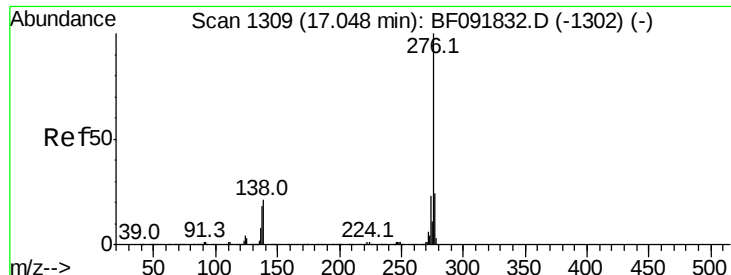
Tot Ion:252 Resp: 101328
Ion Ratio Lower Upper
252 100
253 38.3 18.5 27.7#
125 40.3 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.13 ng
RT: 15.10 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF092177.D
Acq: 10 Jan 2017 13:06

Tgt Ion:252 Resp: 43924
Ion Ratio Lower Upper
252 100
253 37.2 18.2 27.2#
125 54.9 10.0 15.0#





#91
 Benzo(a,h,i)perylene
 Concen: 2.62 ng
 RT: 16.83 min Scan# 1307
 Delta R.T. 0.02 min
 Lab File: BF092177.D
 Acq: 10 Jan 2017 13:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 31407
 Ion Ratio Lower Upper
 276 100
 277 43.0 19.2 28.8#
 138 44.8 16.0 24.0#

