

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093279.D
 Acq On : 1 Mar 2017 7:49
 Operator : SJ/MA
 Sample : I1972-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 09:47:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	123661	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	454767	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	182400	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	303783	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	237130	20.00	ng	-0.03
86) Perylene-d12	15.43	264	143114	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	123702	17.16	ng	-0.03
7) Phenol-d6	6.48	99	150169	16.19	ng	-0.01
23) Nitrobenzene-d5	7.38	82	82240	10.07	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	19499	14.78	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	160880	15.98	ng	-0.05
78) Terphenyl-d14	12.92	244	124755	12.36	ng	-0.05

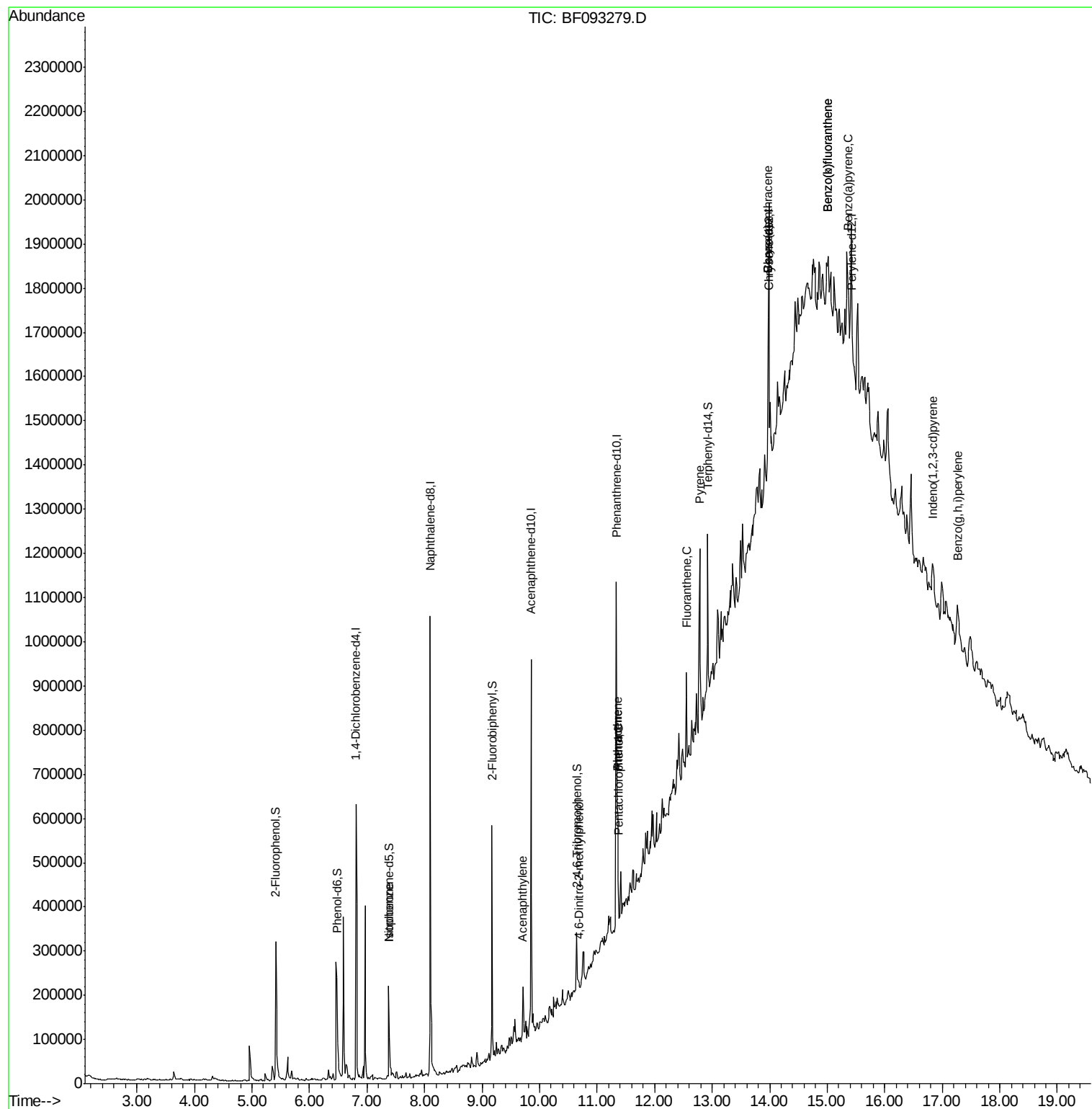
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.38	82	80767	5.31	ng	# 65
48) Acenaphthylene	9.71	152	41450	2.32	ng	99
64) 4,6-Dinitro-2-methylphenol	10.68	198	1060	3.21	ng	# 1
69) Pentachlorophenol	11.37	266	206	7.32	ng	# 18
70) Phenanthrene	11.36	178	100680	5.78	ng	98
71) Anthracene	11.36	178	100680	5.76	ng	99
74) Fluoranthene	12.56	202	117362	6.54	ng	94
77) Pyrene	12.79	202	201427	11.35	ng	99
80) Benzo(a)anthracene	13.97	228	85331	5.88	ng	# 85
82) Chrysene	13.97	228	85331	6.28	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.83	276	38680	3.68	ng	96
87) Benzo(b)fluoranthene	15.01	252	81244	8.62	ng	# 29
88) Benzo(k)fluoranthene	15.01	252	81244	9.99	ng	# 28
89) Benzo(a)pyrene	15.36	252	63249	7.76	ng	# 66
91) Benzo(a,h,i)perylene	17.27	276	62797	9.44	ng	# 80

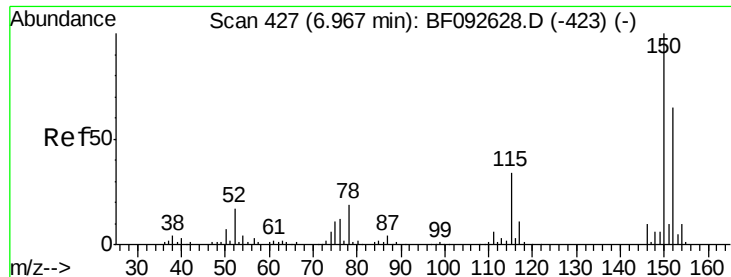
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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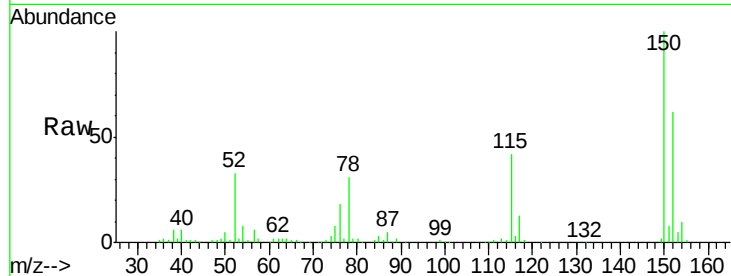




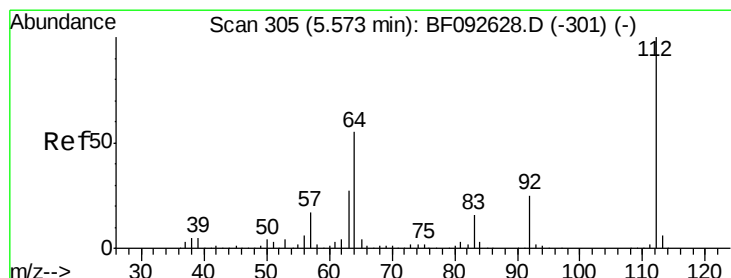
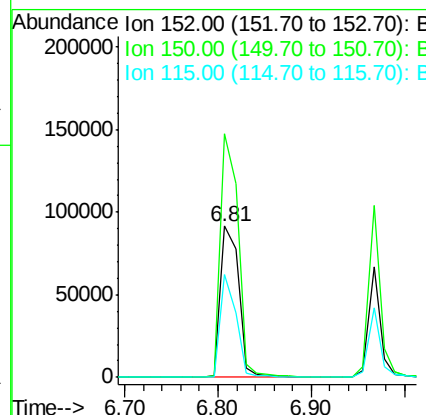
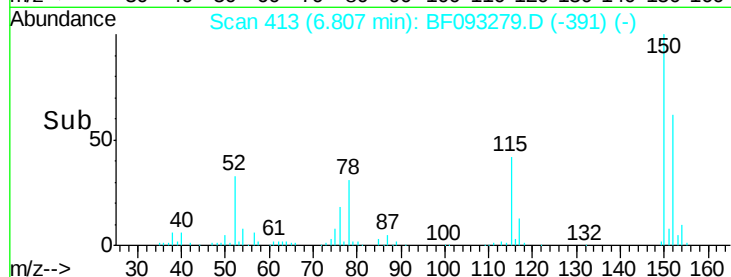
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.9	187.3
115	68.2	46.0	69.0

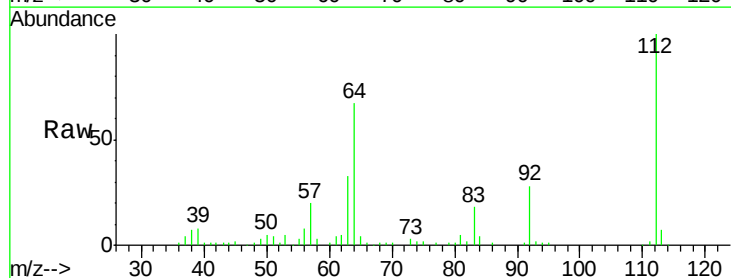


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

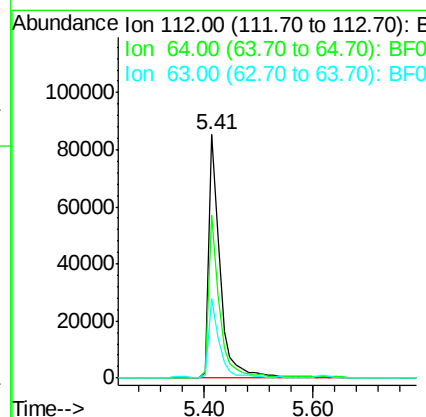
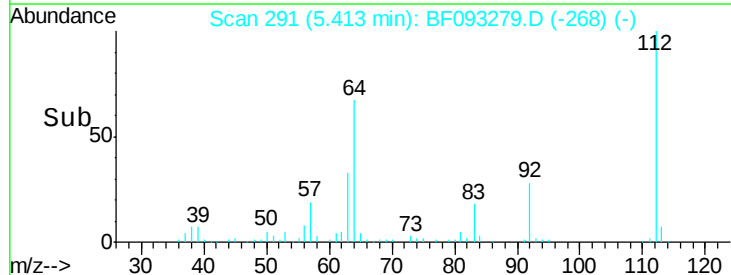


#5
 2-Fluorophenol
 Concen: 17.16 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.1	69.1
63	32.8	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: 16.19 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

ClientSampled :

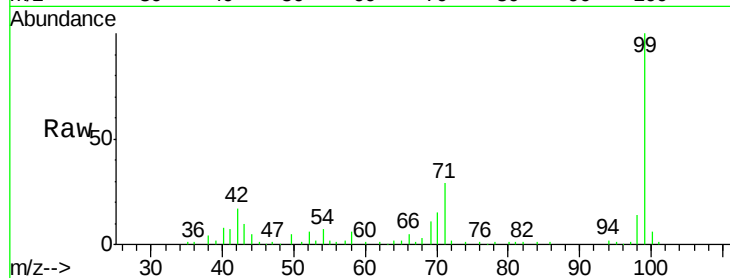
Tot Ion: 99 Resp: 150169

Ion Ratio Lower Upper

99 100

42 17.4 15.6 23.4

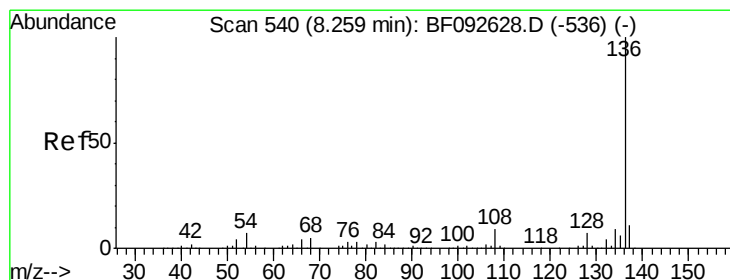
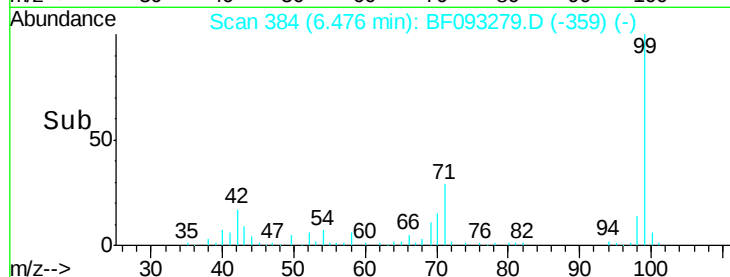
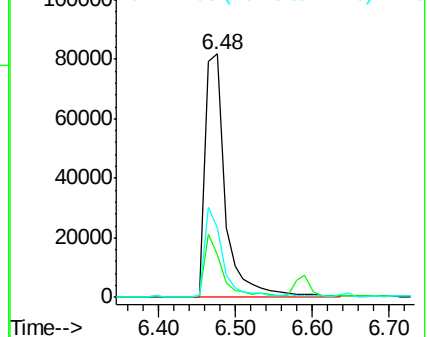
71 28.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Tgt Ion: 136 Resp: 454767

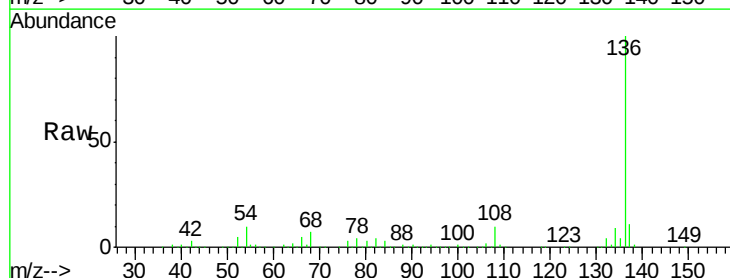
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 9.9 4.5 6.7#

68 7.1 3.6 5.4#

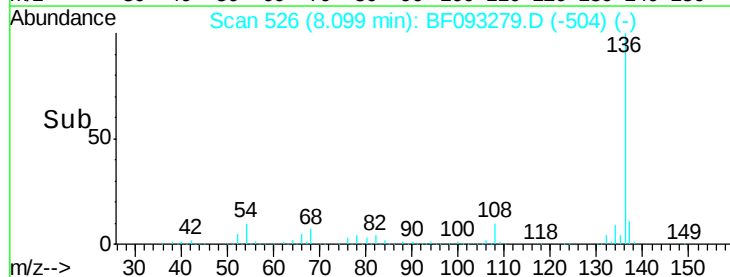
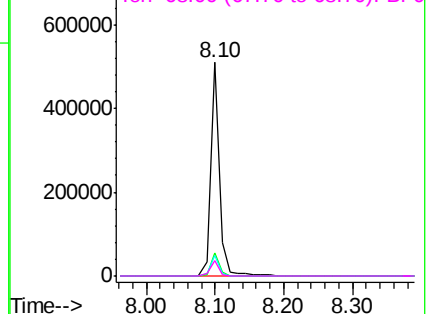


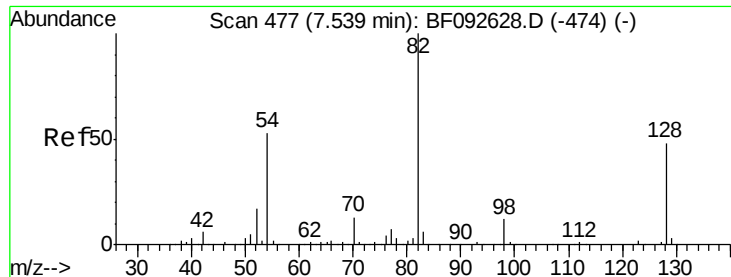
Abundance Ion 136.00 (135.70 to 136.70): E

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

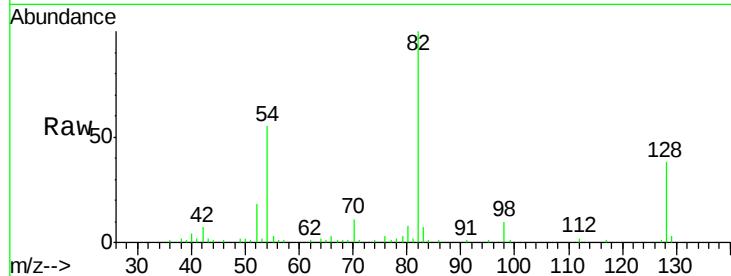




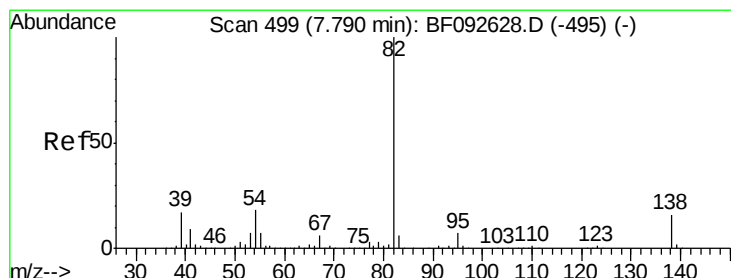
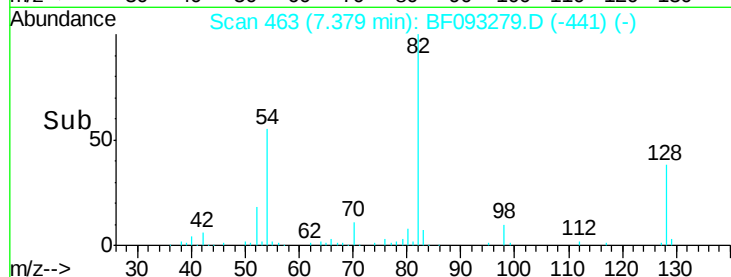
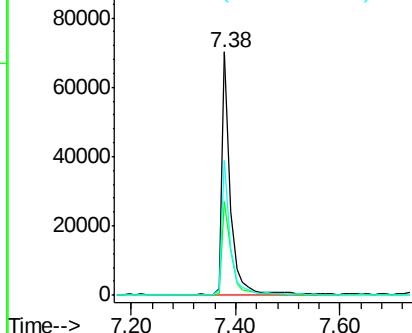
#23
Nitrobenzene-d5
Concen: 10.07 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	82240
Ion Ratio	100	Lower	Upper
128	38.4	34.6	52.0
54	55.4	39.5	59.3

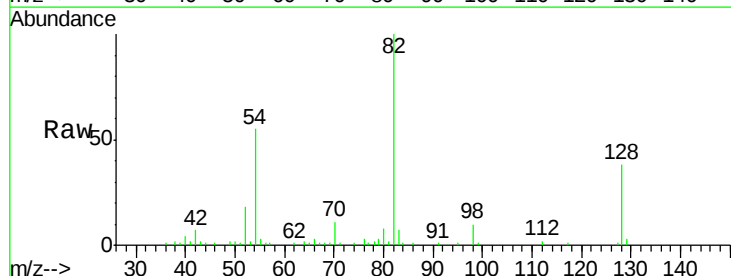


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

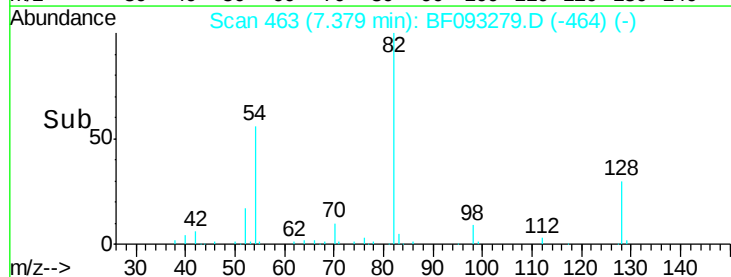
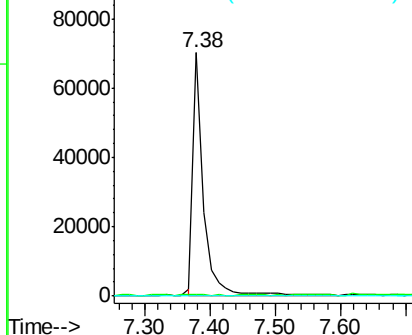


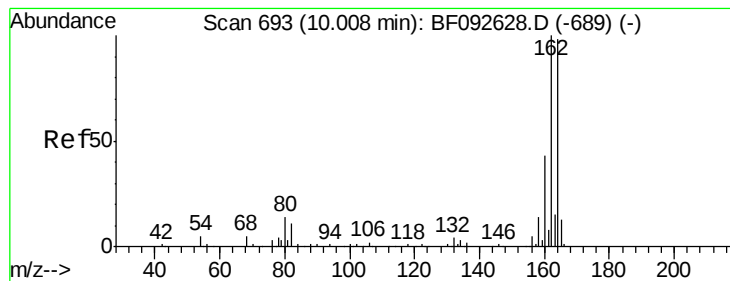
#25
Isophorone
Concen: 5.31 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.31 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion	82	Resp	80767
Ion Ratio	100	Lower	Upper
95	0.6	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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

ClientSampleId :

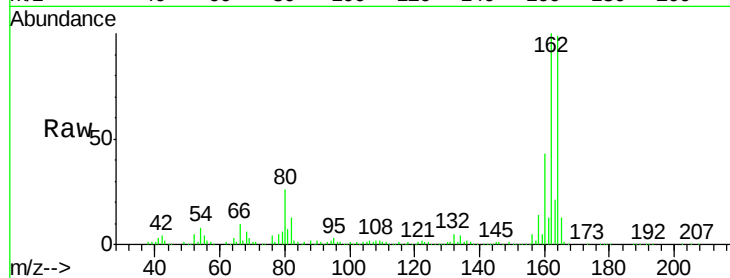
Tot Ion:164 Resp: 182400

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.2

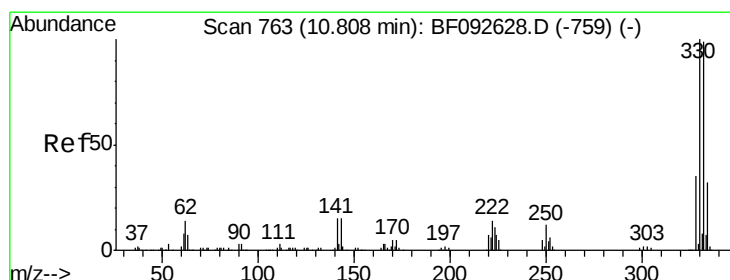
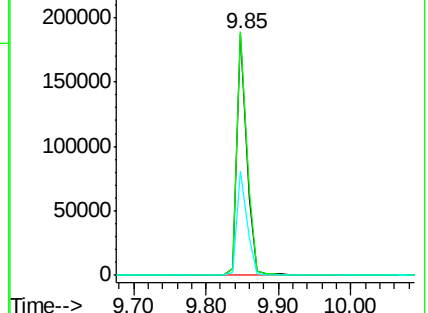
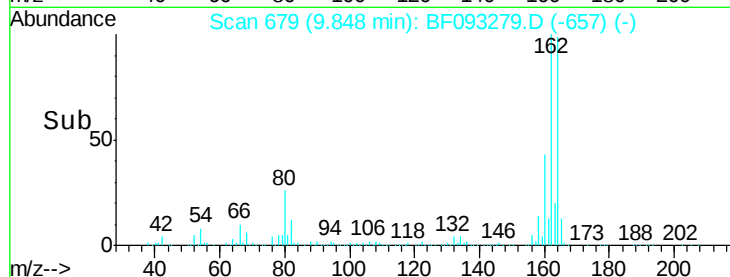
160 43.0 36.9 55.3



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: 14.78 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

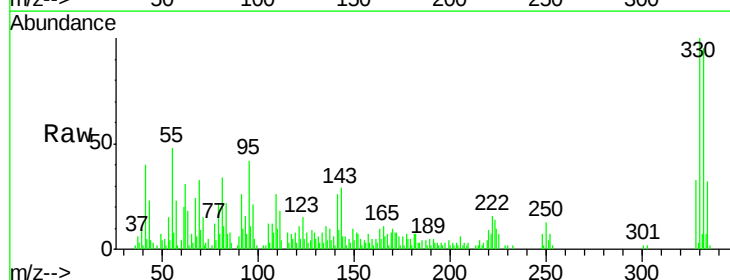
Tgt Ion:330 Resp: 19499

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

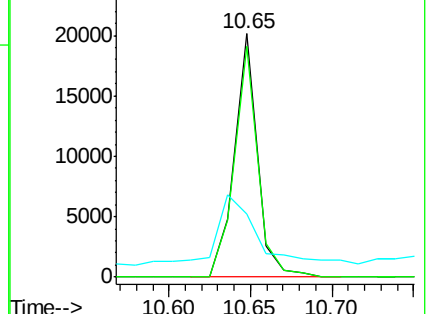
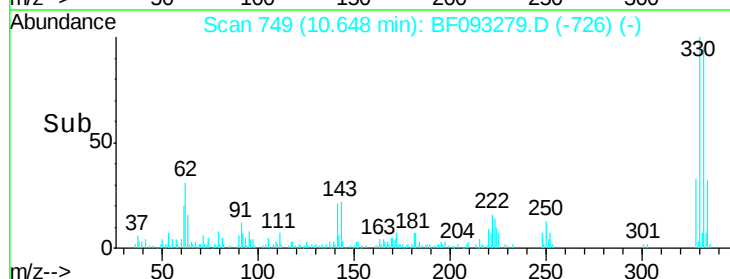
141 55.0 34.1 51.1#

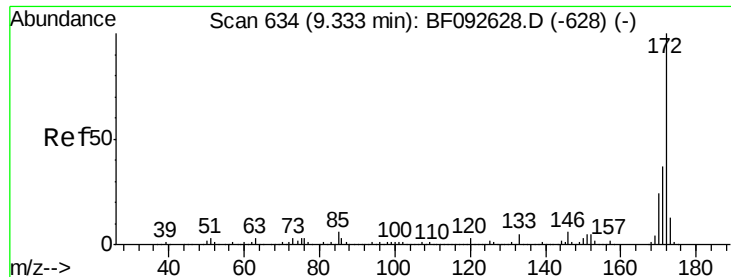


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

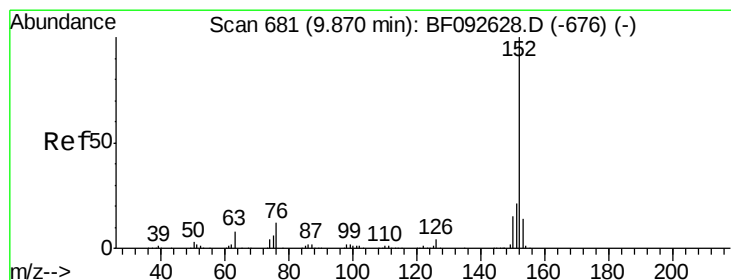
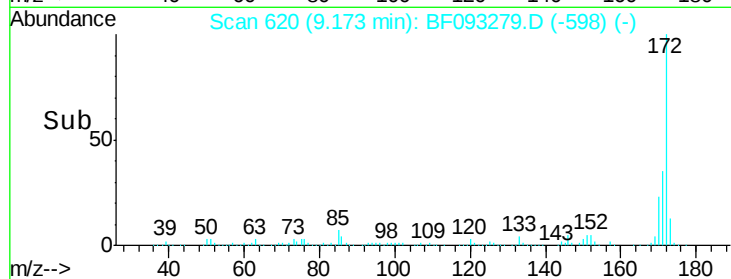
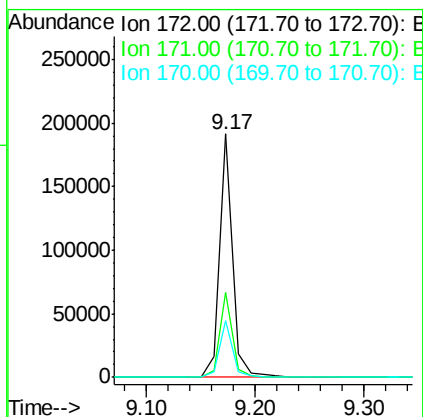
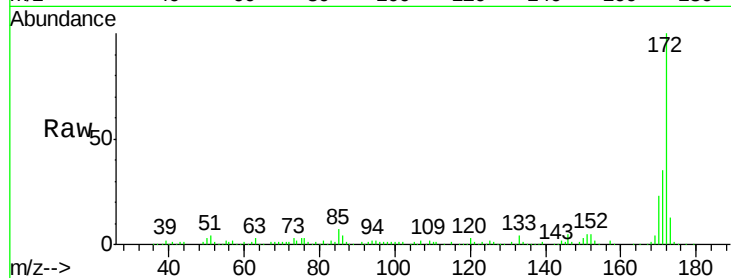




#44
 2-Fluorobiphenyl
 Concen: 15.98 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

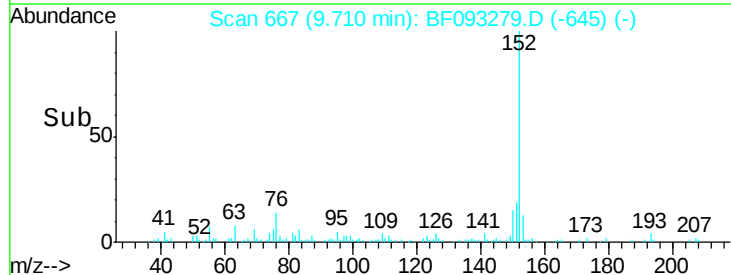
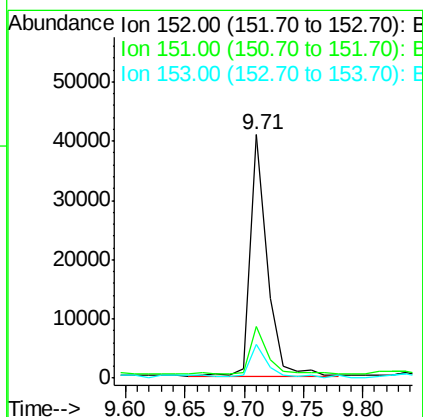
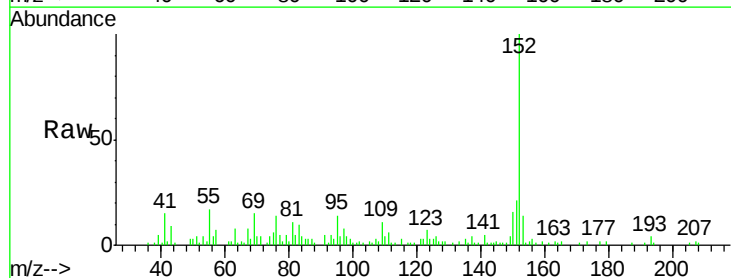
Instrument :
 BNA_F
 ClientSampled :

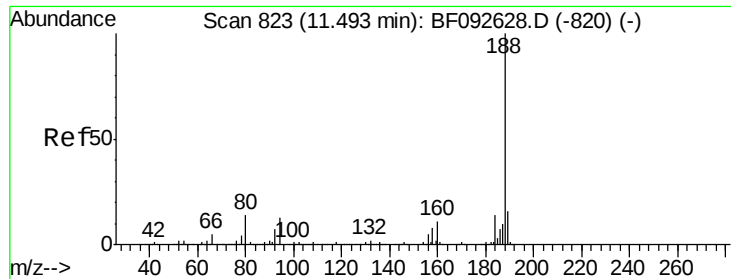
Tot Ion:172 Resp: 160880
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.4 44.0
 170 23.2 20.2 30.4



#48
 Acenaphthylene
 Concen: 2.32 ng
 RT: 9.71 min Scan# 667
 Delta R.T. -0.05 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Tgt Ion:152 Resp: 41450
 Ion Ratio Lower Upper
 152 100
 151 21.0 16.9 25.3
 153 13.9 11.4 17.2

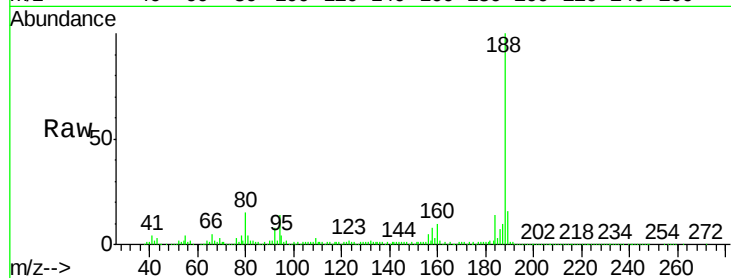




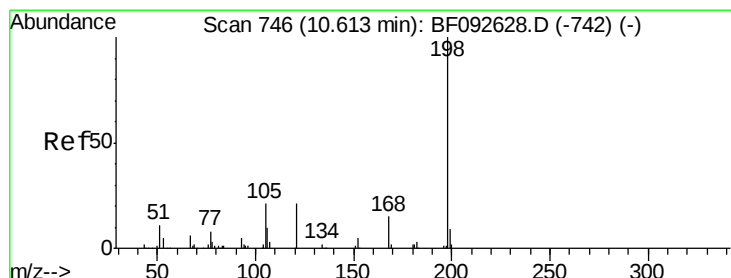
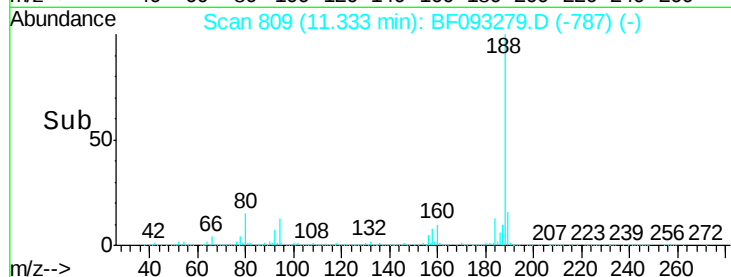
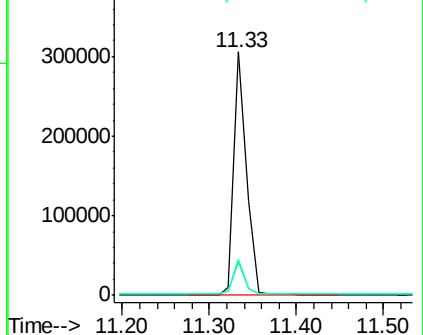
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 303783
Ion Ratio Lower Upper
188 100
94 13.6 10.0 15.0
80 15.1 11.2 16.8

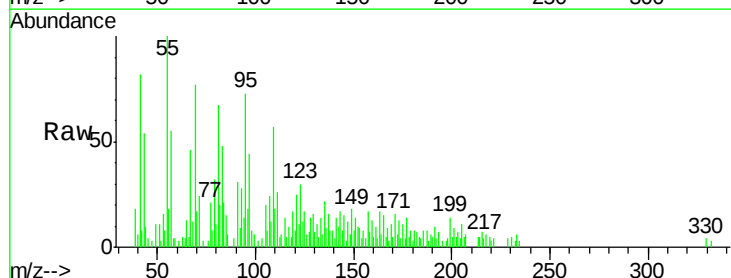


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

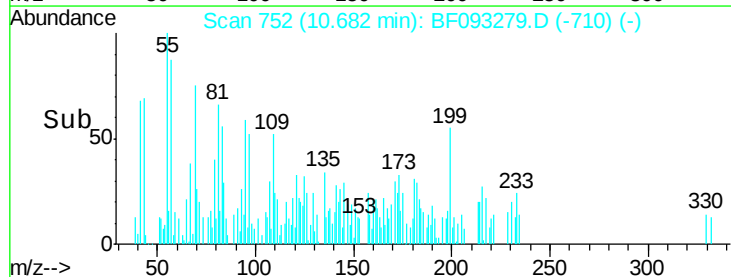
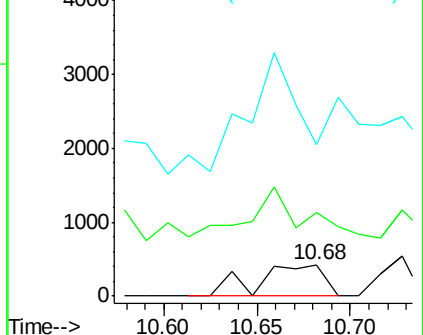


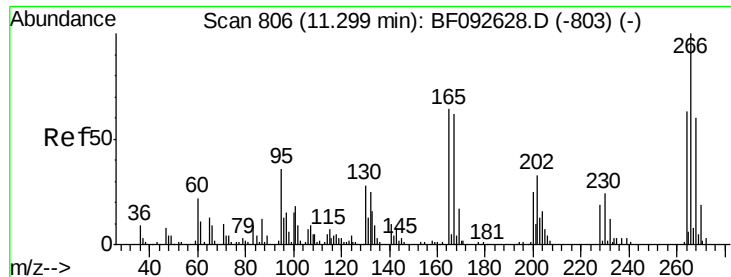
#64
4,6-Dinitro-2-methylphenol
Concen: 3.21 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion:198 Resp: 1060
Ion Ratio Lower Upper
198 100
51 268.6 6.7 46.7#
105 483.0 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

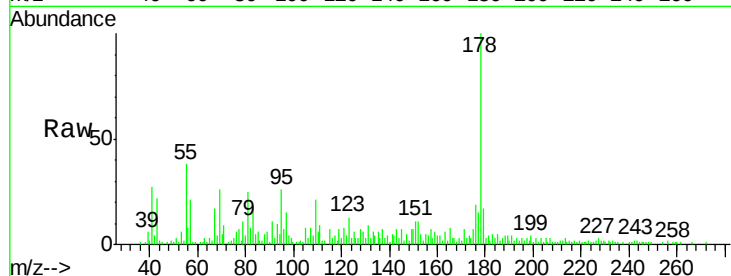




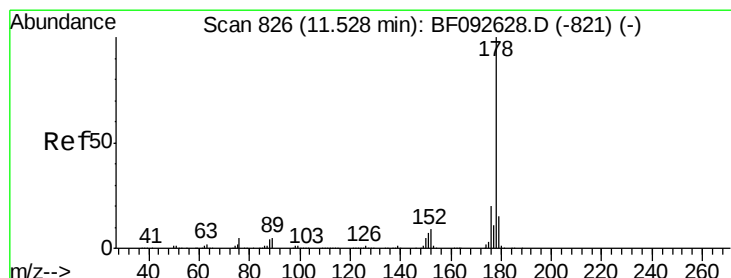
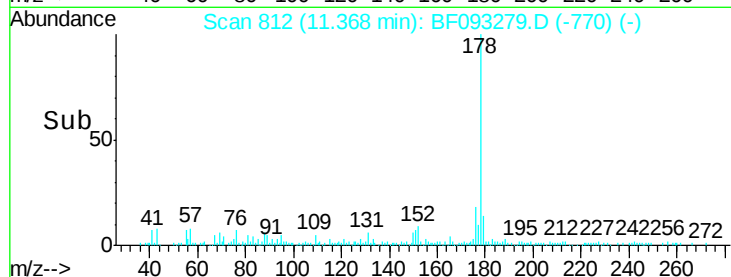
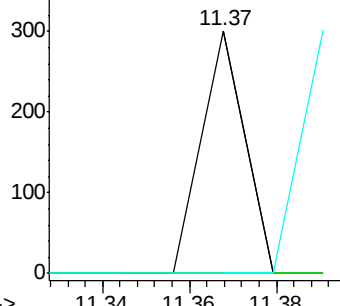
#69
 Pentachlorophenol
 Concen: 7.32 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.18 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 206
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 0.0 50.3 75.5#

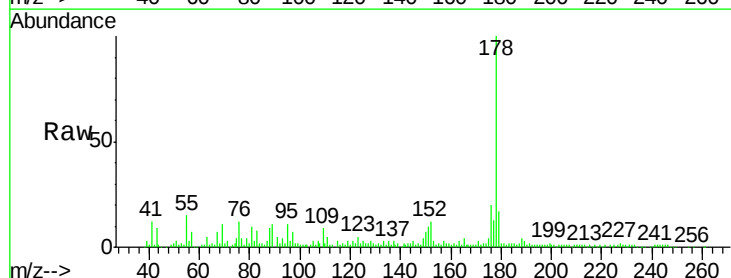


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

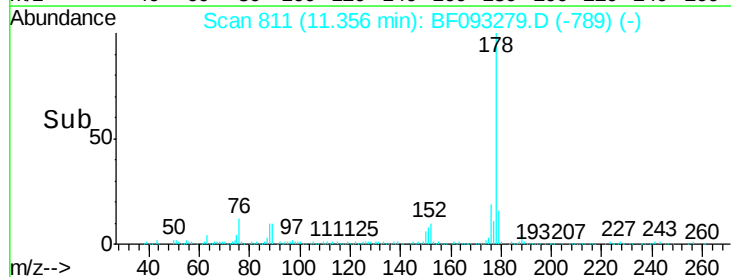
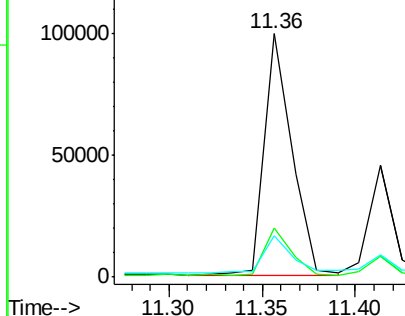


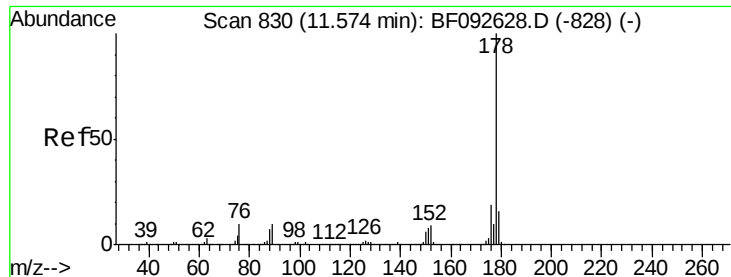
#70
 Phenanthrene
 Concen: 5.78 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.05 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Tgt Ion:178 Resp: 100680
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.6 25.0
 179 17.0 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: 5.76 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.10 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

ClientSampleId :

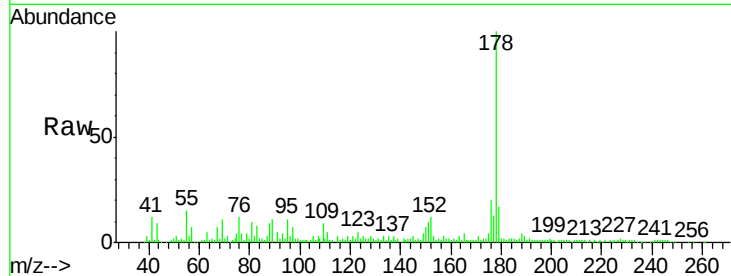
Tot Ion:178 Resp: 100680

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

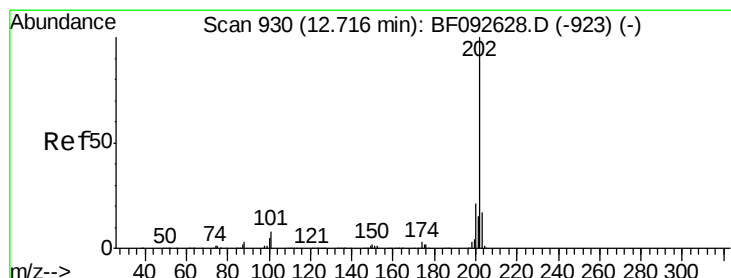
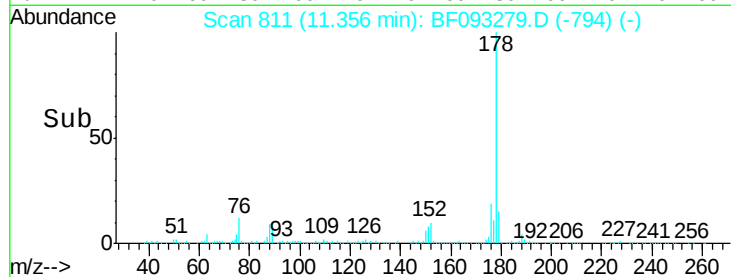
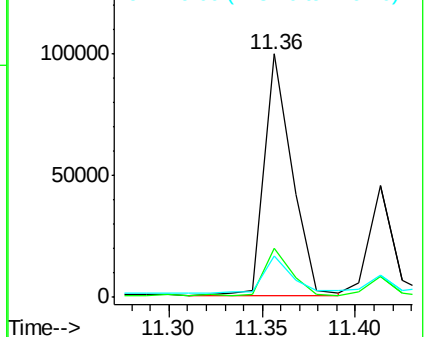
179 17.0 13.2 19.8



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: 6.54 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

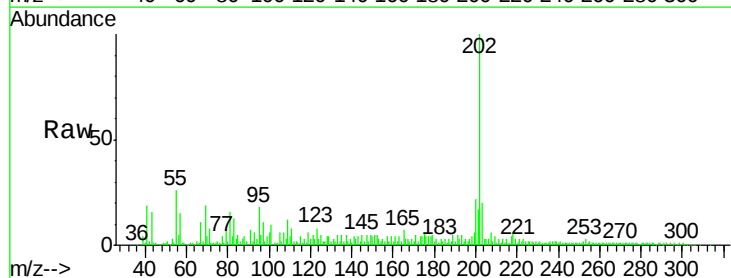
Tgt Ion:202 Resp: 117362

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.6

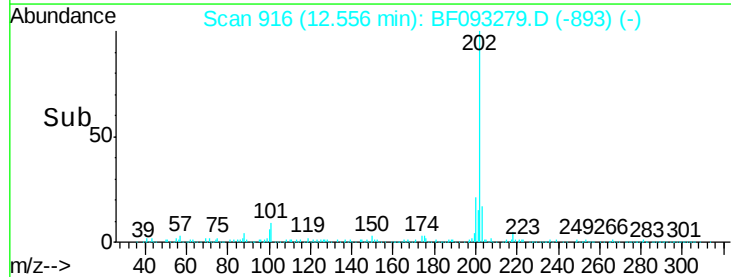
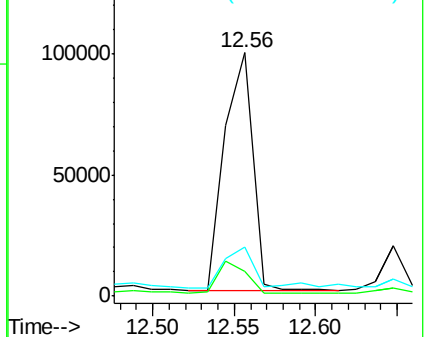
203 20.0 0.0 38.7

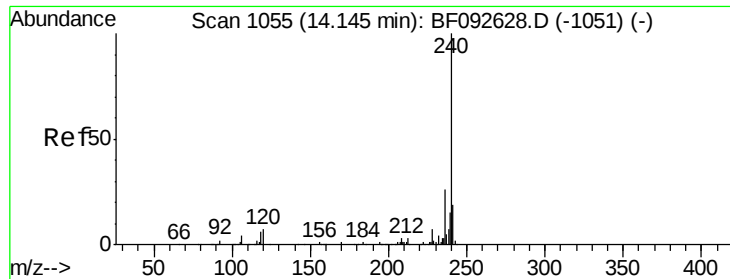


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

ClientSampleId :

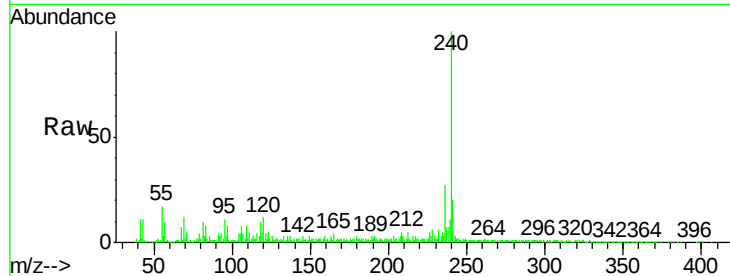
Tot Ion:240 Resp: 237130

Ion Ratio Lower Upper

240 100

120 11.7 12.9 19.3#

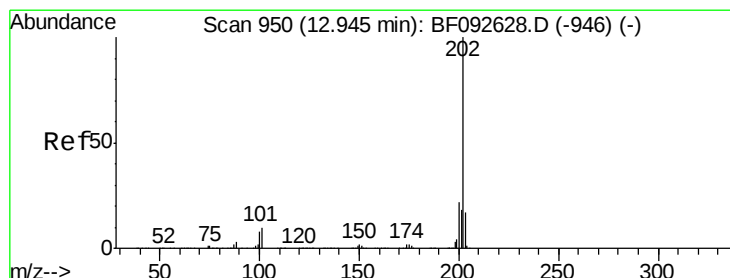
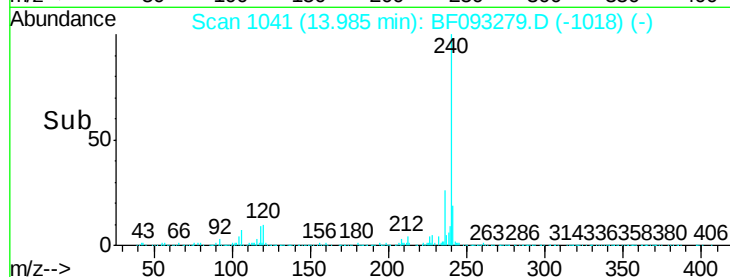
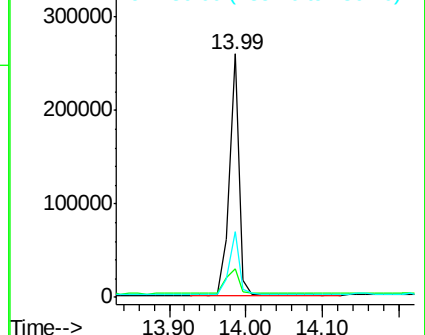
236 26.8 20.9 31.3



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: 11.35 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

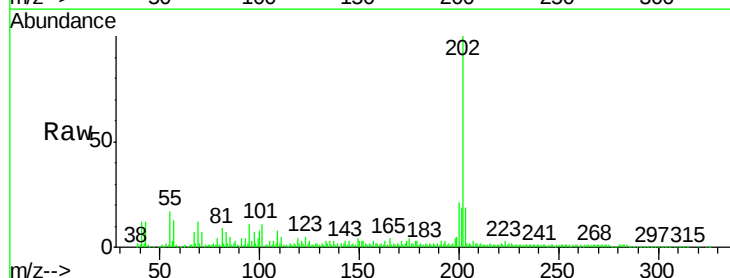
Tgt Ion:202 Resp: 201427

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

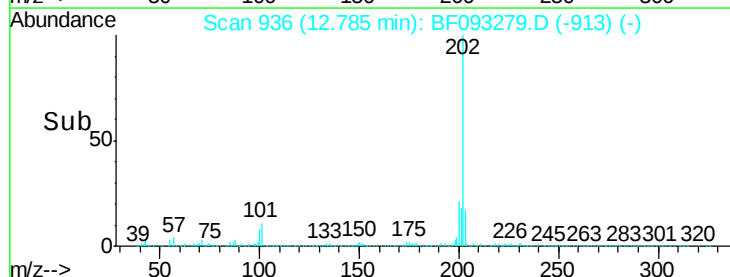
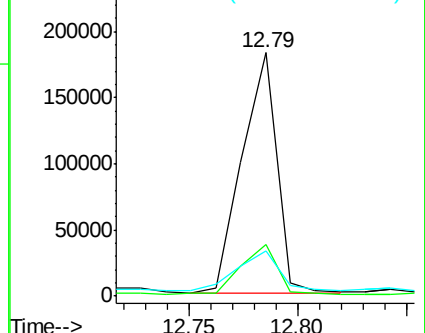
203 18.5 14.7 22.1

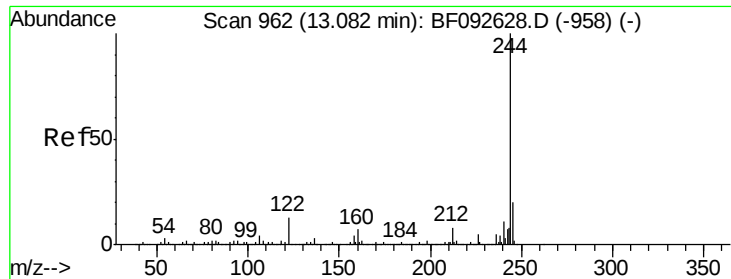


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.36 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

ClientSampleId :

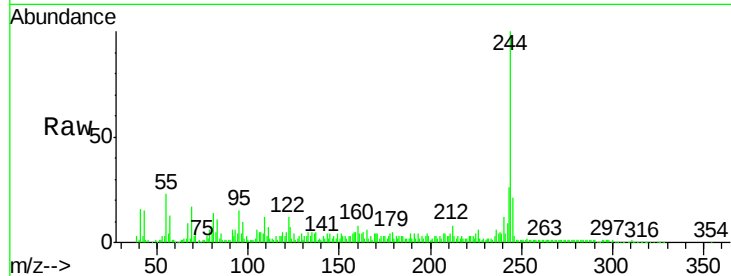
Tot Ion:244 Resp: 124755

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

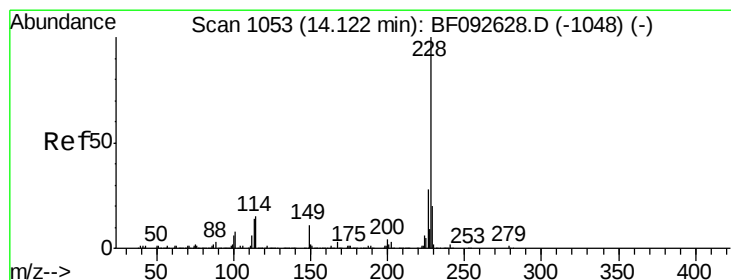
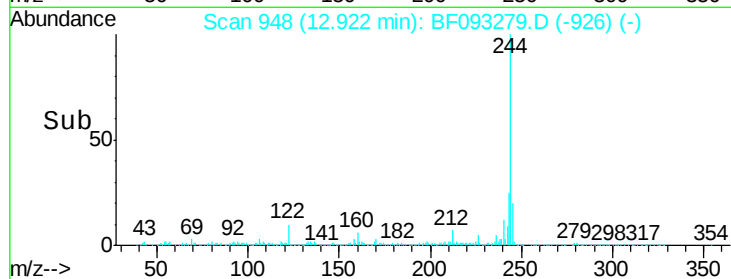
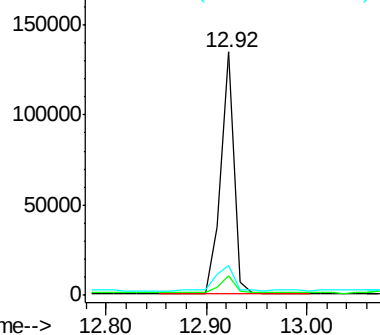
122 12.2 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 5.88 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

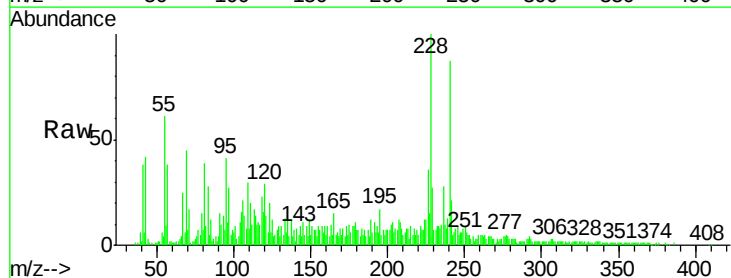
Tgt Ion:228 Resp: 85331

Ion Ratio Lower Upper

228 100

226 35.8 22.4 33.6#

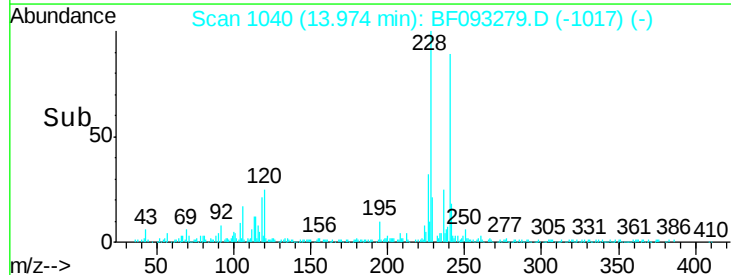
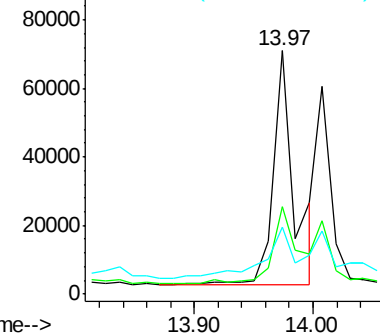
229 27.4 16.2 24.4#

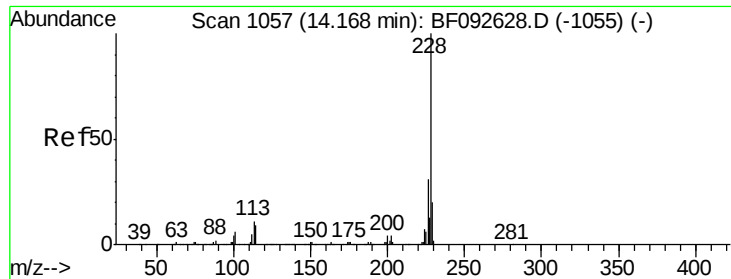


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

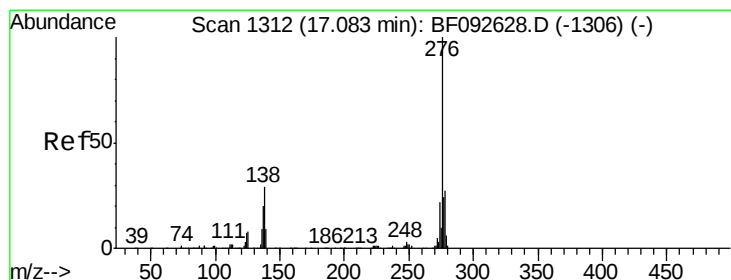
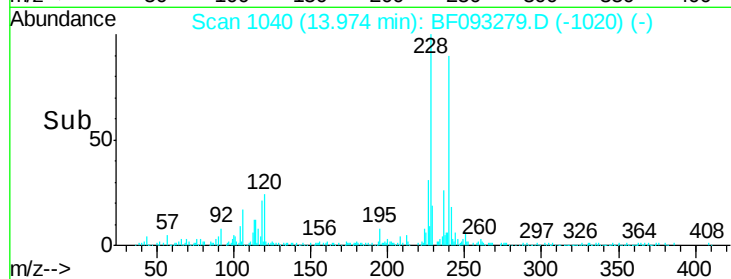
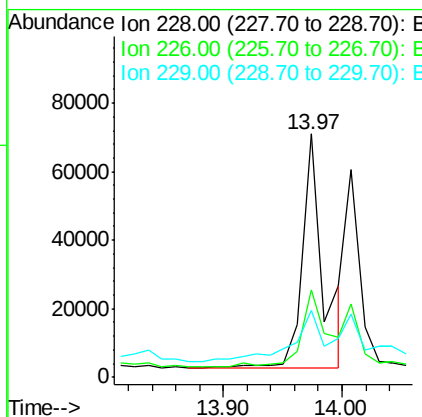
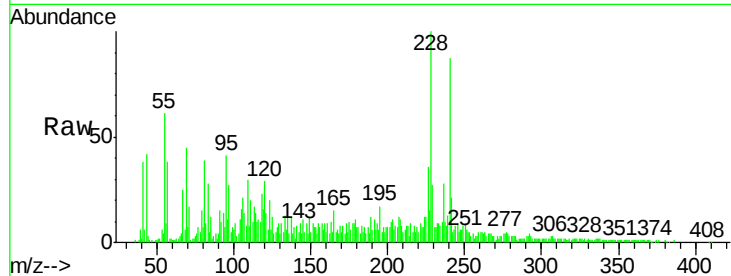




#82
Chrysene
Concen: 6.28 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.07 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

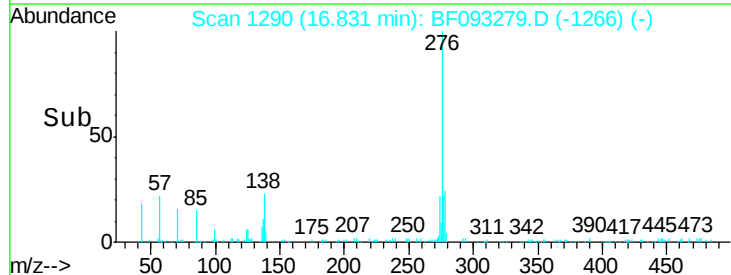
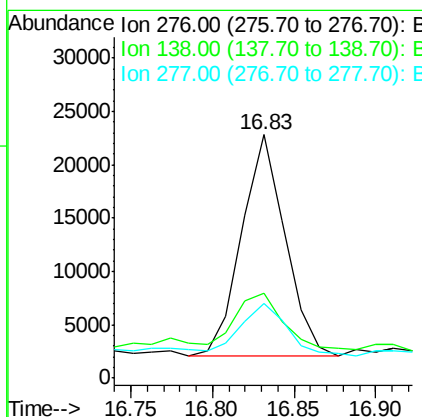
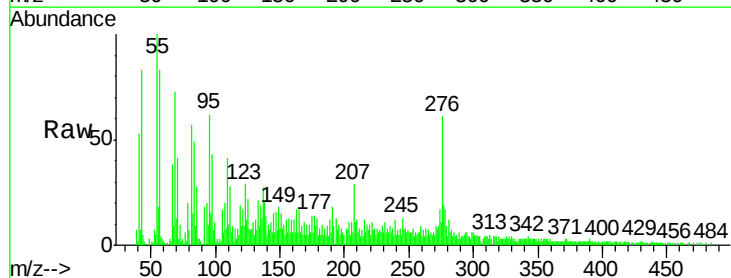
Instrument :
BNA_F
ClientSampleId :

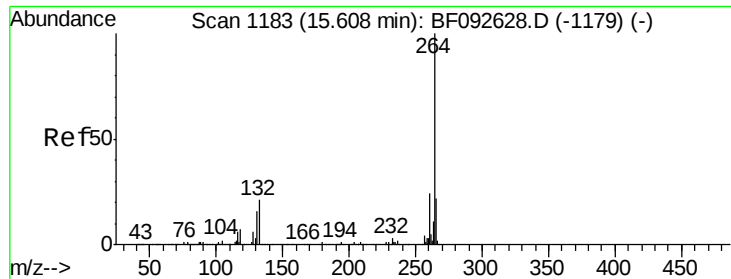
Tot Ion:228 Resp: 85331
Ion Ratio Lower Upper
228 100
226 35.8 25.4 38.0
229 27.4 16.2 24.2#



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.68 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion:276 Resp: 38680
Ion Ratio Lower Upper
276 100
138 26.7 21.8 32.6
277 29.4 20.2 30.4

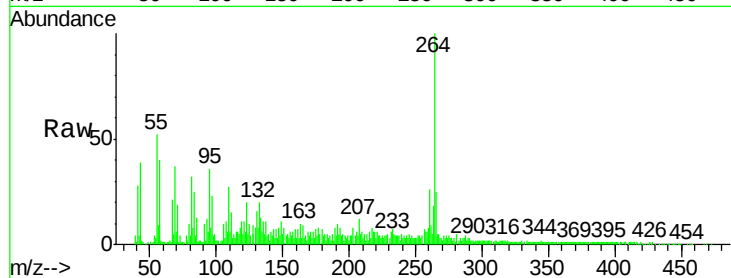




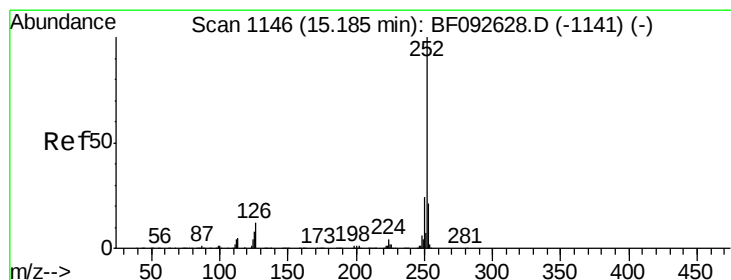
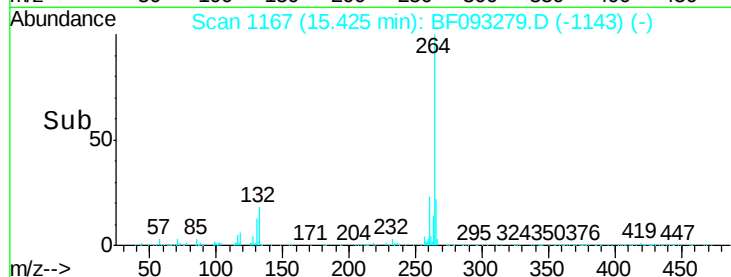
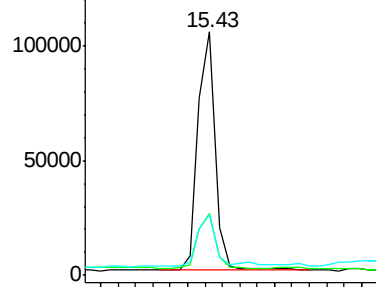
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	25.1	17.4	26.0

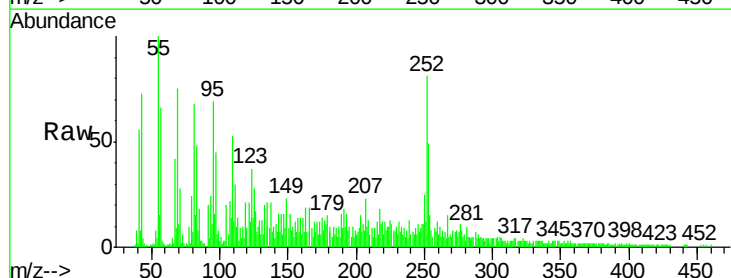


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

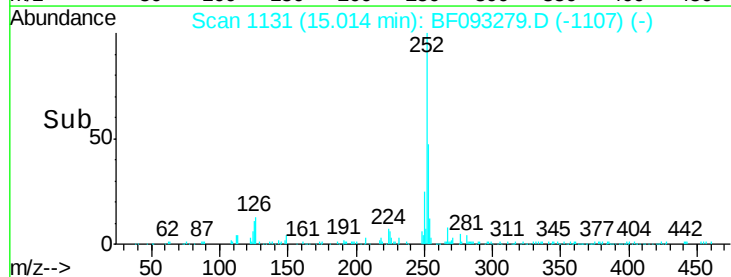
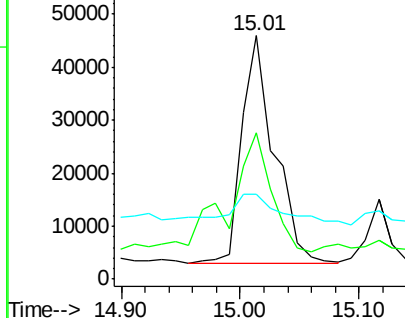


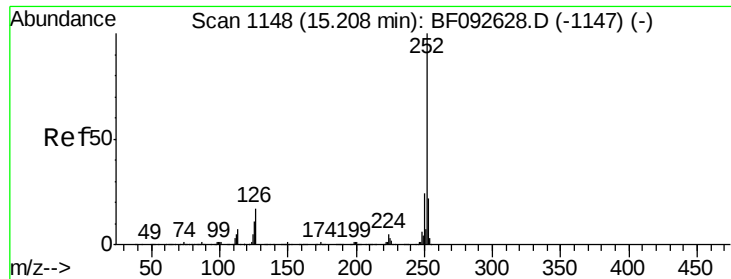
#87
Benzo(b)fluoranthene
Concen: 8.62 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	60.1	18.2	27.4#
125	35.1	9.8	14.6#



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

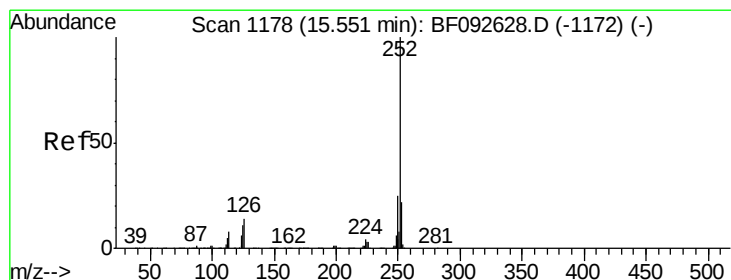
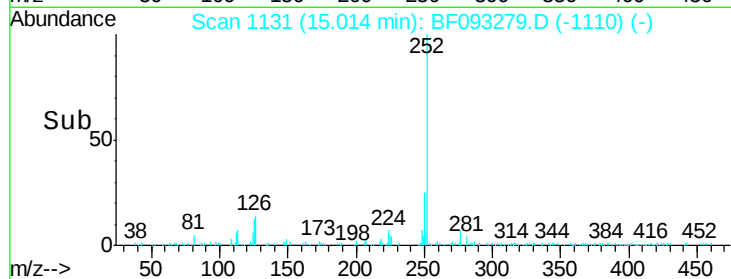
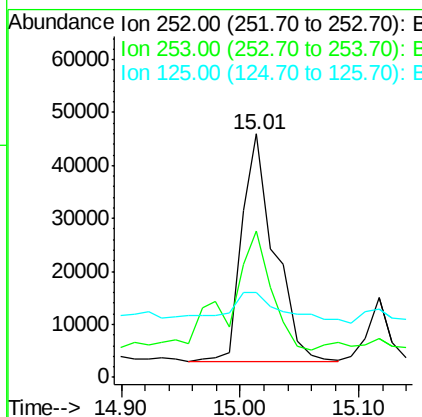
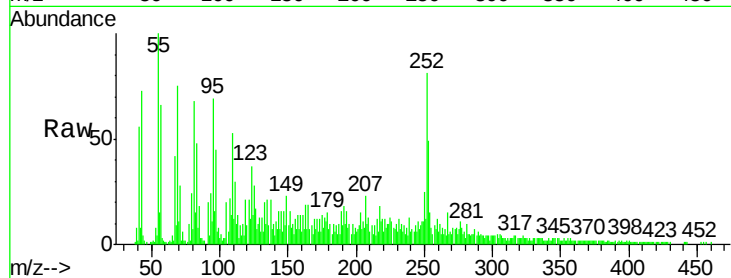




#88
Benzo(k)fluoranthene
Concen: 9.99 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

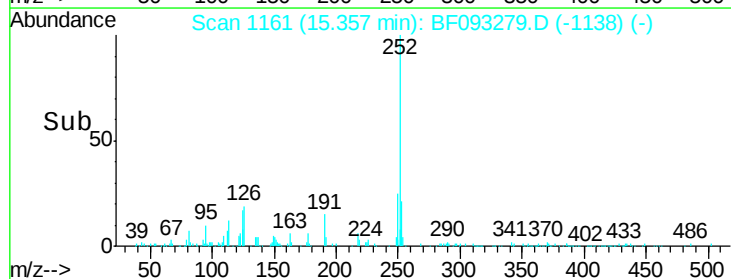
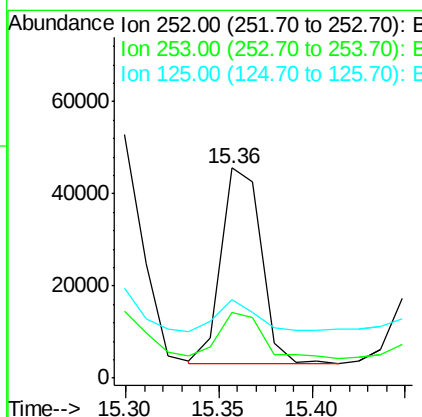
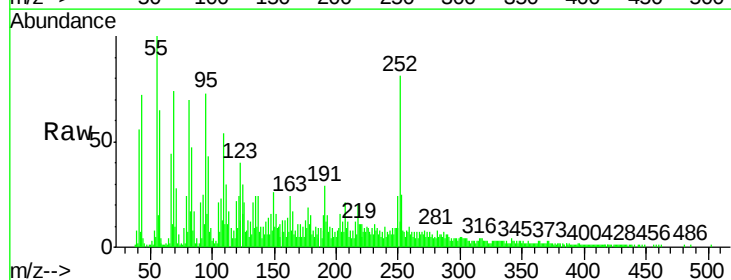
Instrument :
BNA_F
ClientSampleId :

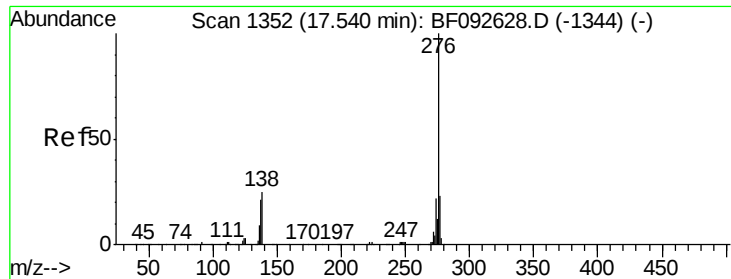
Tot Ion:252 Resp: 81244
Ion Ratio Lower Upper
252 100
253 60.1 18.5 27.7#
125 35.1 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 7.76 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion:252 Resp: 63249
Ion Ratio Lower Upper
252 100
253 31.5 18.2 27.2#
125 37.4 10.0 15.0#

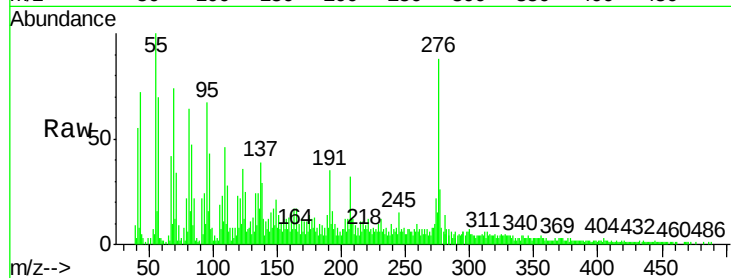




#91
 Benzo(a,h,i)perylene
 Concen: 9.44 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.2	28.8
138	33.3	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

