

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090217\
 Data File : BF098264.D
 Acq On : 2 Sep 2017 23:48
 Operator : SJ/JU
 Sample : I5068-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 07:29:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

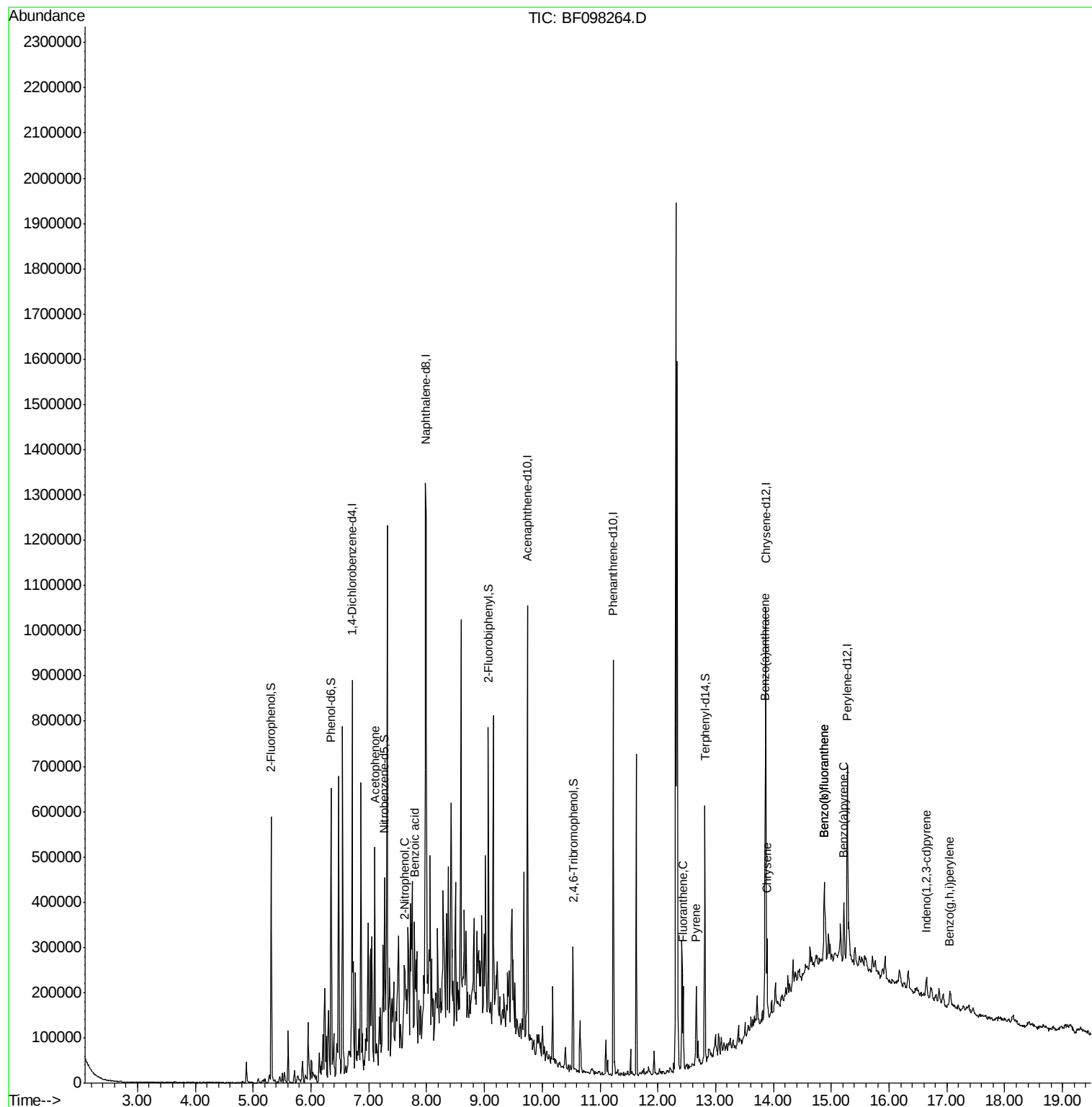
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	108800	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	390856	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	161338	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	287311	20.00	ng	-0.04
75) Chrysene-d12	13.86	240	261968	20.00	ng	-0.04
86) Perylene-d12	15.28	264	186707	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	160723	22.47	ng	-0.04
7) Phenol-d6	6.35	99	212112	21.83	ng	-0.04
23) Nitrobenzene-d5	7.27	82	116225	16.15	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	27396	19.57	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	183934	16.75	ng	-0.04
78) Terphenyl-d14	12.81	244	145368	11.57	ng	-0.04
Target Compounds						
22) Acetophenone	7.10	105	46561	4.509	ng	# 40
26) 2-Nitrophenol	7.62	139	975	5.557	ng	# 1
32) Benzoic acid	7.79	122	340	6.469	ng	# 1
74) Fluoranthene	12.44	202	65071	4.072	ng	98
77) Pyrene	12.66	202	68479	3.196	ng	96
80) Benzo(a)anthracene	13.85	228	75332	4.798	ng	96
82) Chrysene	13.89	228	66907	4.284	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	27029	2.352	ng	92
87) Benzo(b)fluoranthene	14.88	252	116768	9.922	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	116768	10.561	ng	97
89) Benzo(a)pyrene	15.22	252	56352	5.409	ng	# 96
91) Benzo(a,h,i)perylene	17.06	276	25177	2.845	ng	# 94

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

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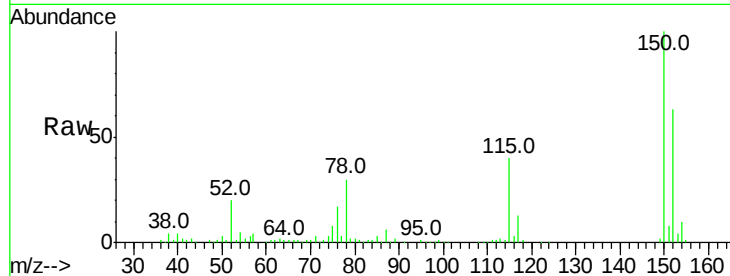


#1

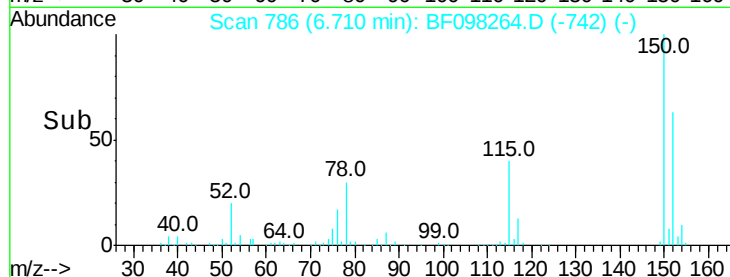
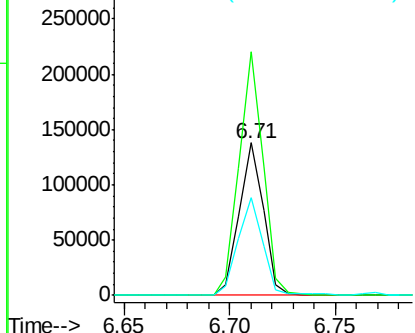
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 108800
Ion Ratio Lower Upper
152 100
150 159.6 126.2 189.2
115 64.1 52.2 78.2



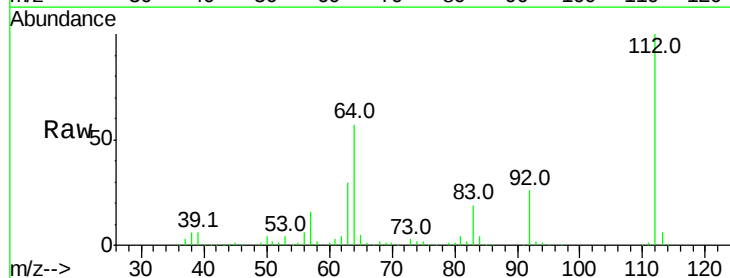
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



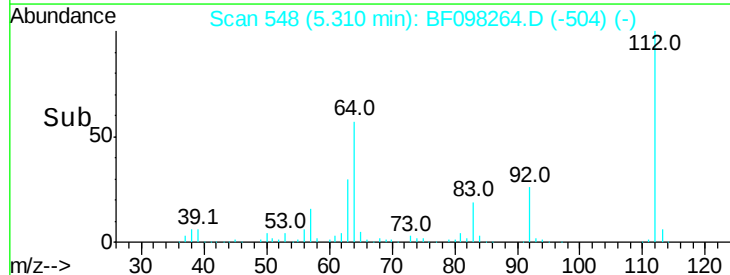
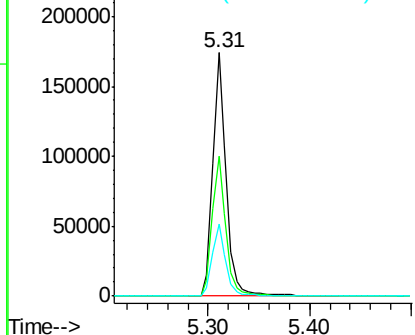
#5

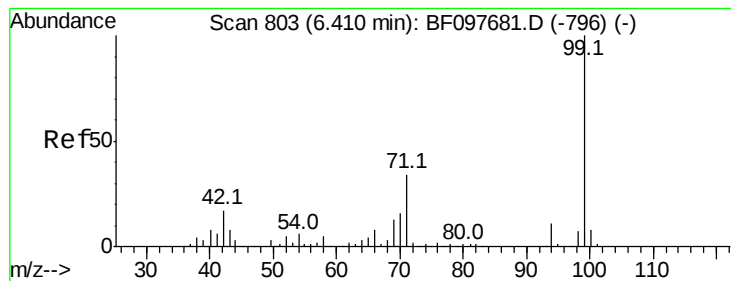
2-Fluorophenol
Concen: 22.470 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Tgt Ion:112 Resp: 160723
Ion Ratio Lower Upper
112 100
64 57.4 46.0 69.0
63 29.7 23.4 35.0



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: 21.825 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.04 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

Instrument :

BNA_F

ClientSampleId :

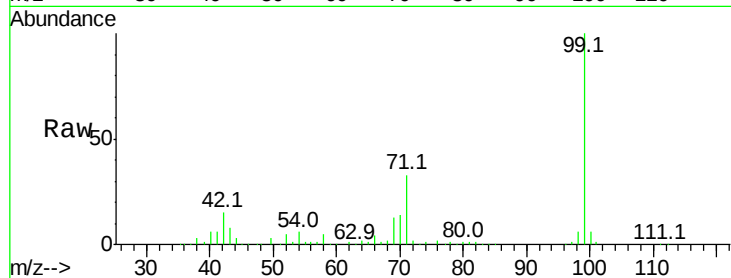
Tot Ion: 99 Resp: 212112

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

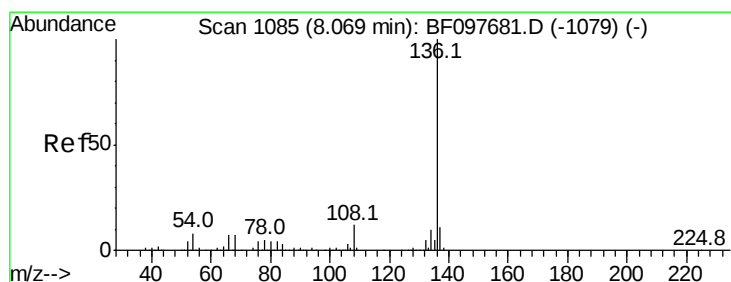
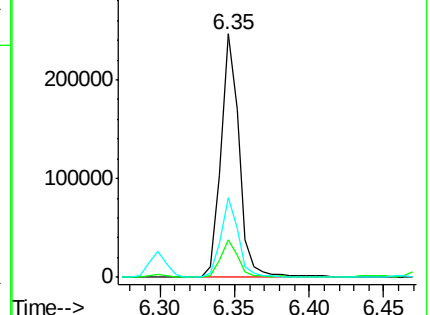
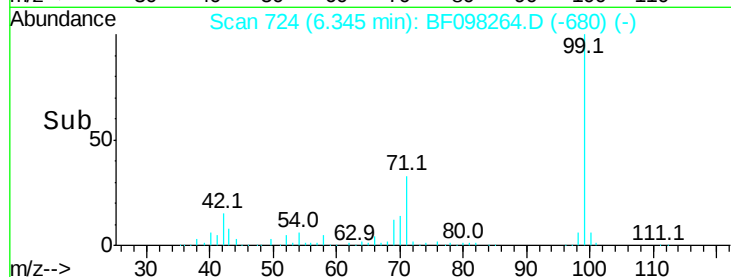
71 32.6 24.5 36.7



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: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

Tgt Ion: 136 Resp: 390856

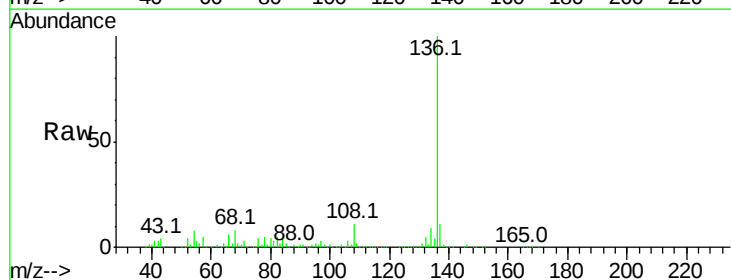
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.0 4.9 7.3#

68 8.5 4.1 6.1#

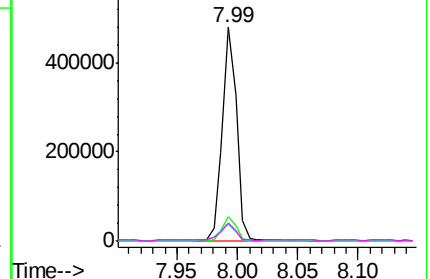
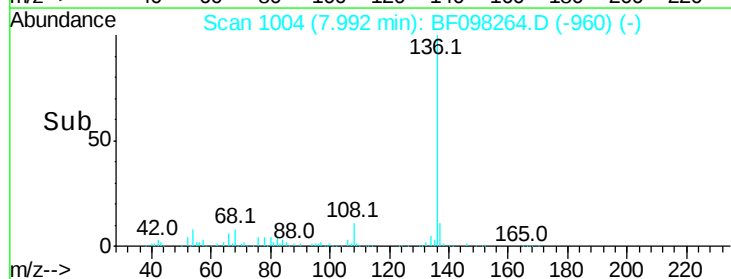


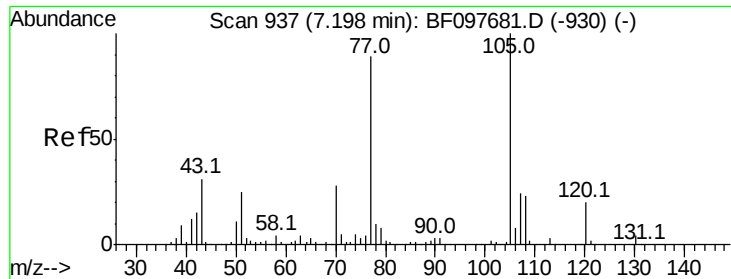
Abundance Ion 136.00 (135.70 to 136.70): E

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

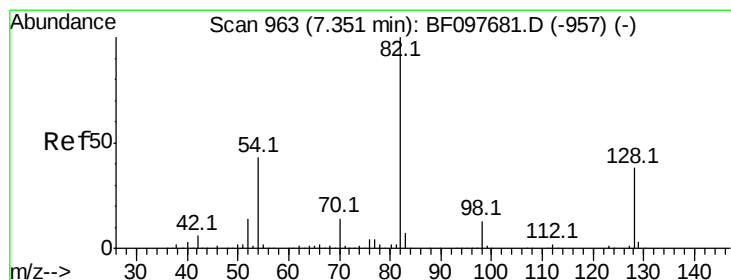
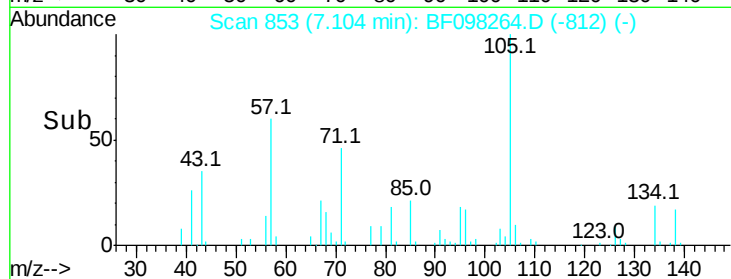
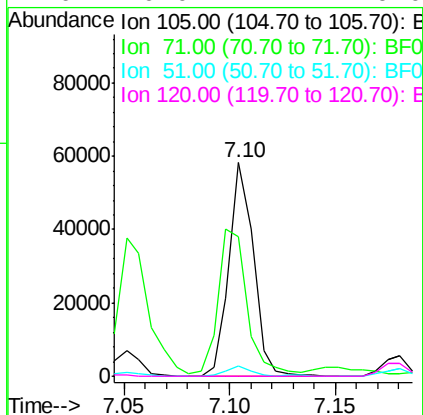
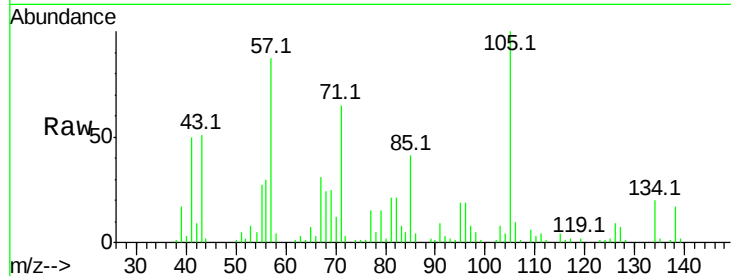




#22
Acetophenone
Concen: 4.509 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.06 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

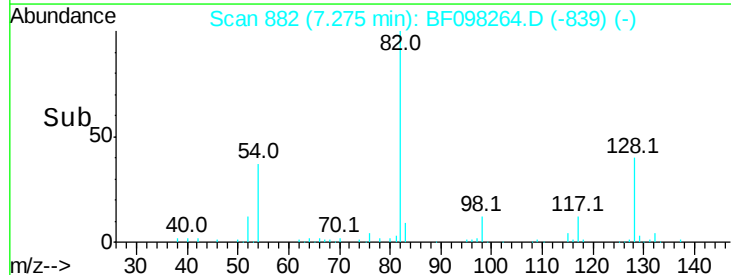
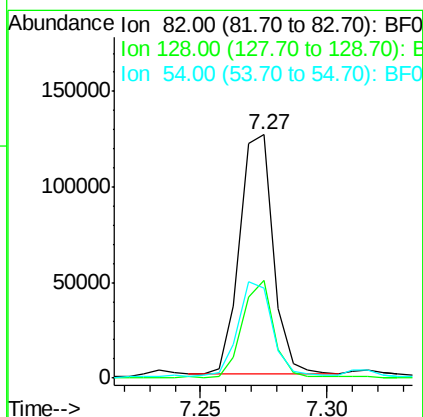
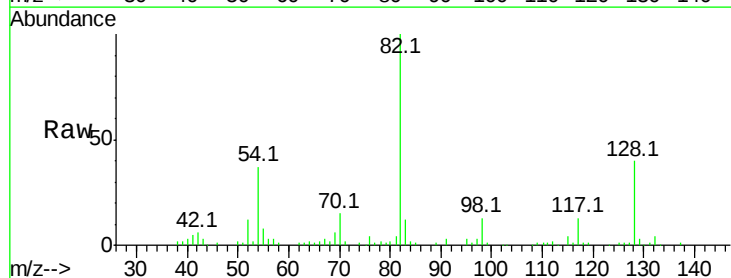
Instrument :
BNA_F
ClientSampleId :

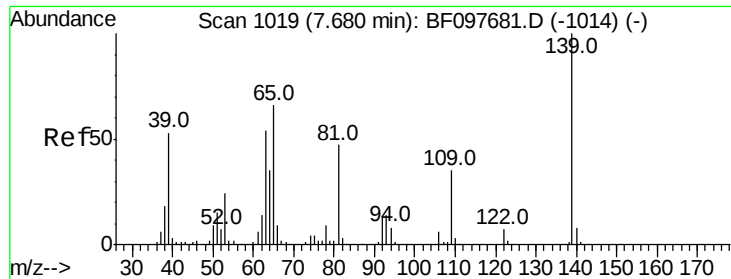
Tot Ion:105 Resp: 46561
Ion Ratio Lower Upper
105 100
71 65.5 2.8 4.2#
51 4.6 30.7 46.1#
120 0.0 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 16.154 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.05 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Tgt Ion: 82 Resp: 116225
Ion Ratio Lower Upper
82 100
128 39.9 34.0 51.0
54 37.2 42.2 63.2#

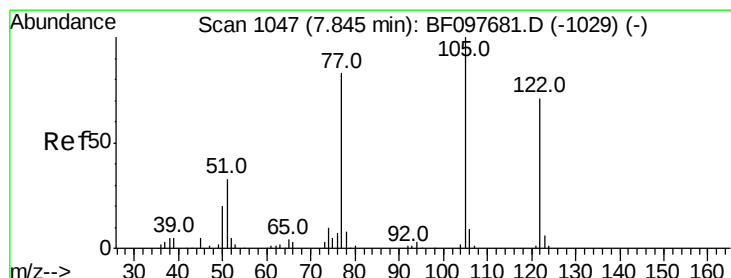
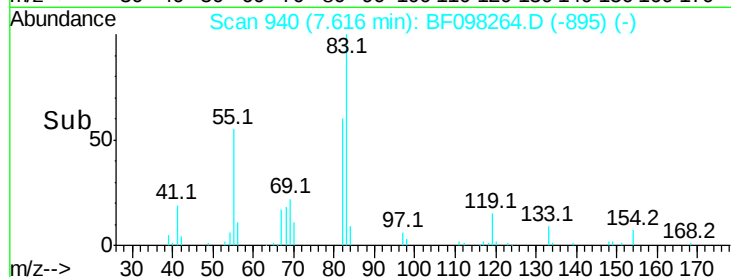
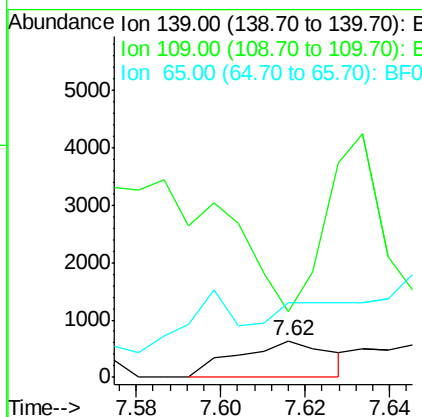
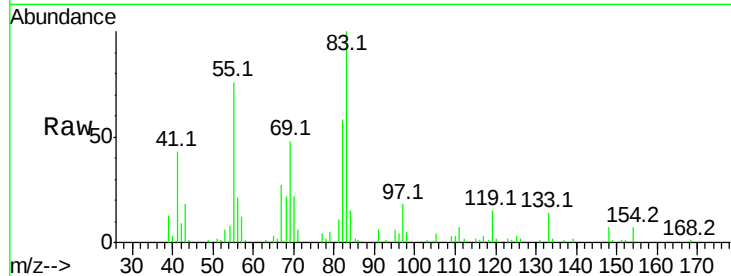




#26
2-Nitrophenol
Concen: 5.557 ng
RT: 7.62 min Scan# 940
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

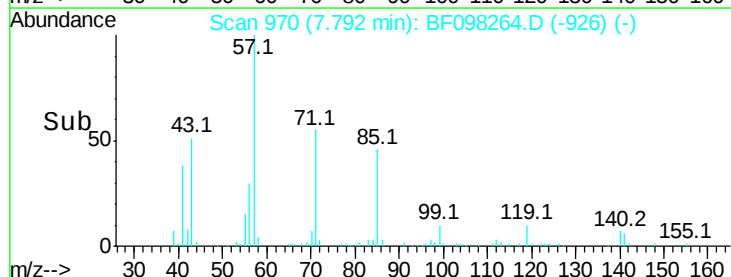
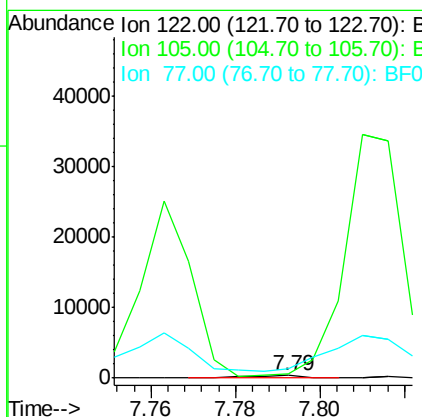
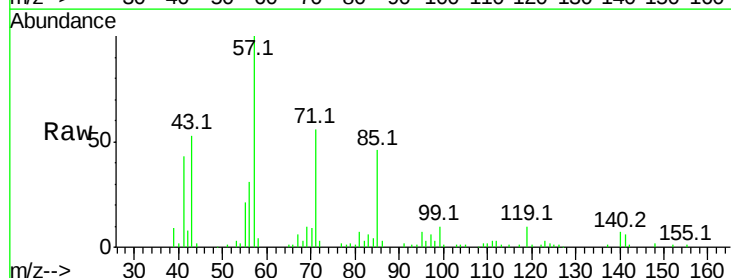
Instrument :
BNA_F
ClientSampled :

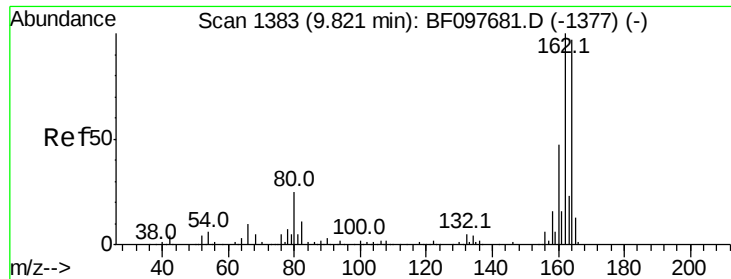
Tot Ion:139 Resp: 975
Ion Ratio Lower Upper
139 100
109 180.1 21.0 31.6#
65 204.2 33.0 49.6#



#32
Benzoic acid
Concen: 6.469 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Tgt Ion:122 Resp: 340
Ion Ratio Lower Upper
122 100
105 153.6 103.3 143.3#
77 418.6 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.04 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

Instrument :

BNA_F

ClientSampleId :

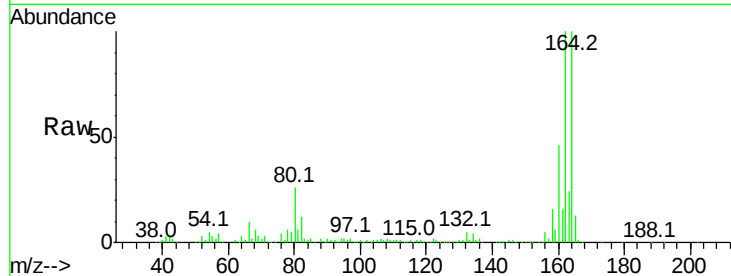
Tot Ion:164 Resp: 161338

Ion Ratio Lower Upper

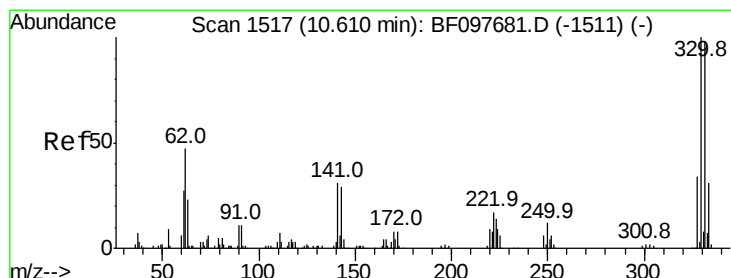
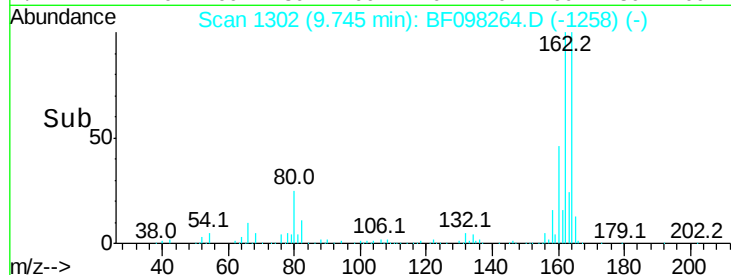
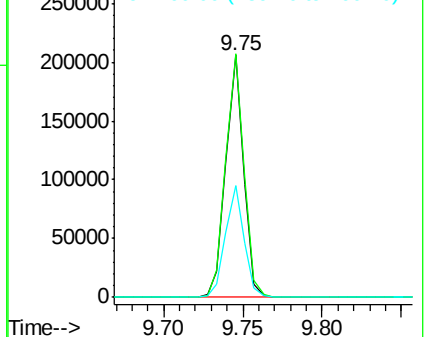
164 100

162 100.5 82.6 123.8

160 46.1 36.2 54.2



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: 19.570 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.04 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

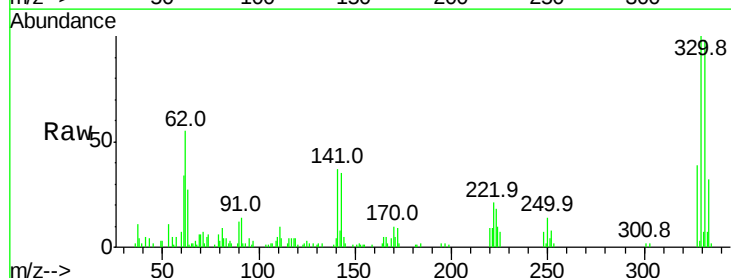
Tgt Ion:330 Resp: 27396

Ion Ratio Lower Upper

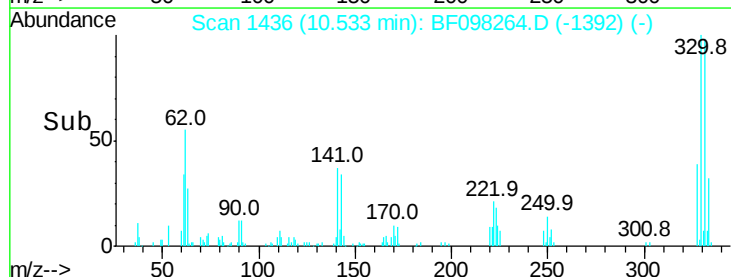
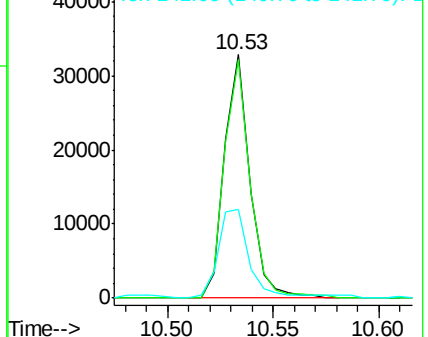
330 100

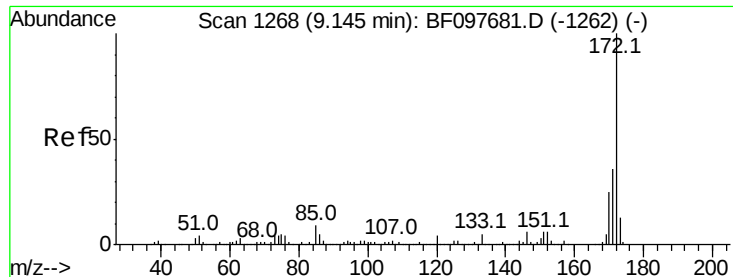
332 100.0 76.6 115.0

141 44.7 31.4 47.2



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

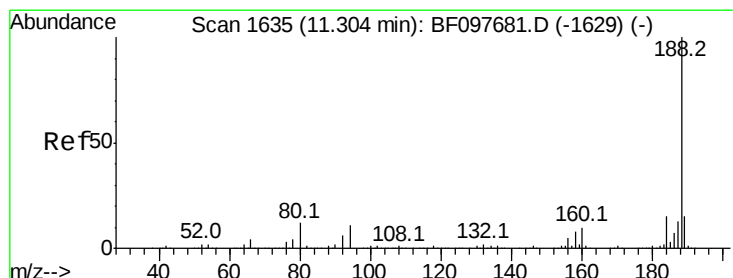
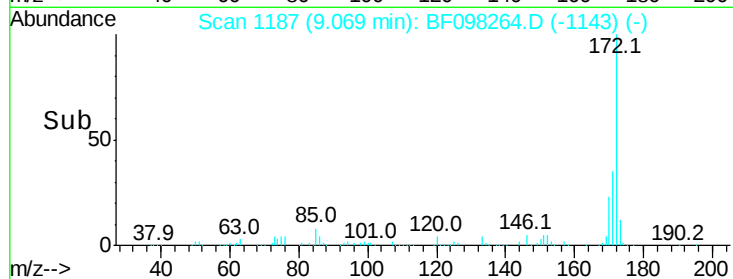
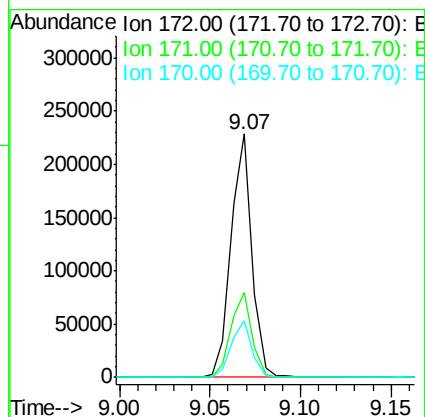
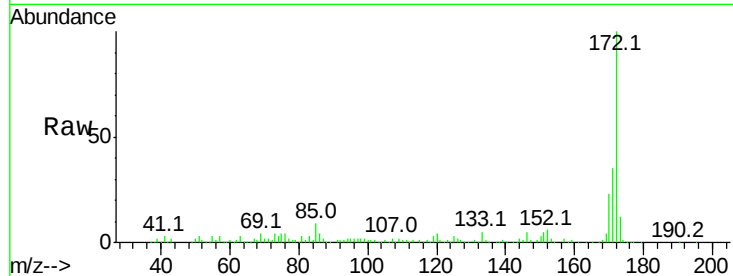




#44
 2-Fluorobiphenyl
 Concen: 16.750 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.04 min
 Lab File: BF098264.D
 Acq: 2 Sep 2017 23:48

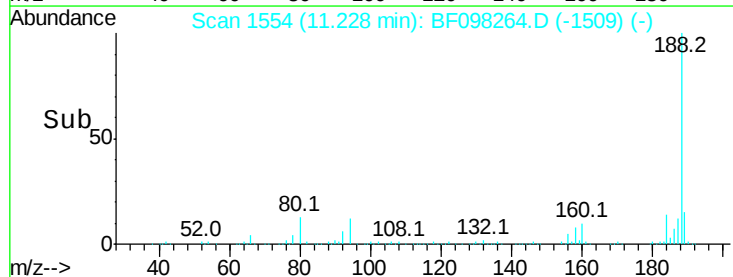
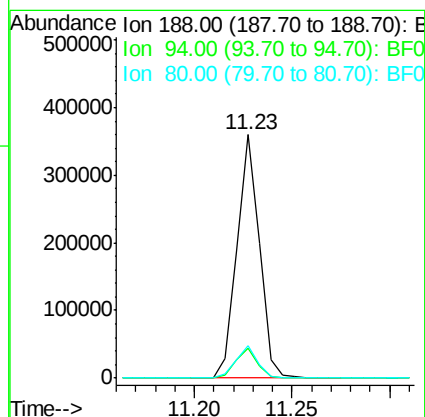
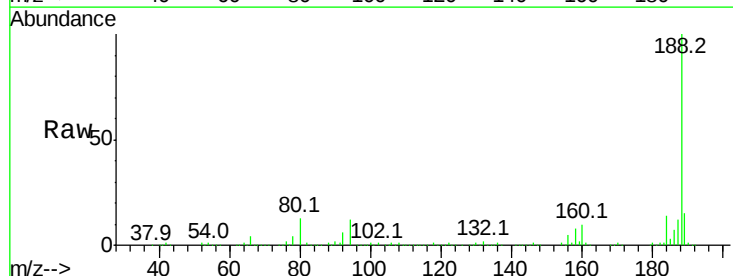
Instrument :
 BNA_F
 ClientSampleId :

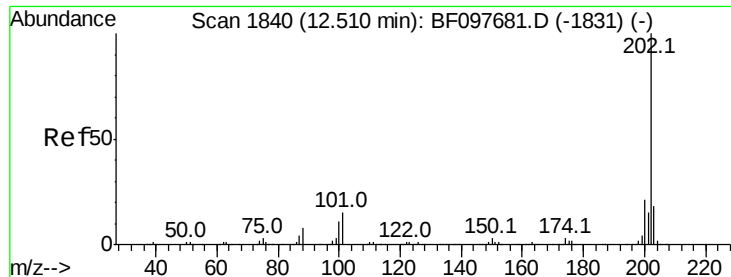
Tot Ion:172 Resp: 183934
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 23.2 19.8 29.8



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.04 min
 Lab File: BF098264.D
 Acq: 2 Sep 2017 23:48

Tgt Ion:188 Resp: 287311
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 13.1 10.2 15.2

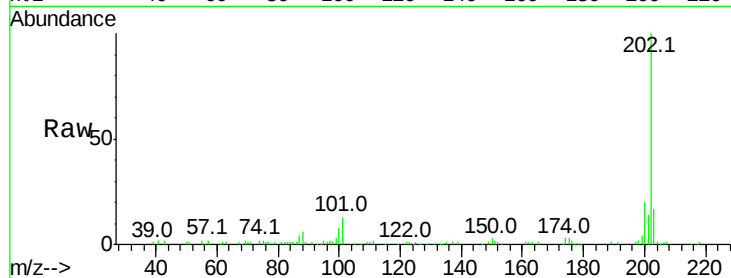




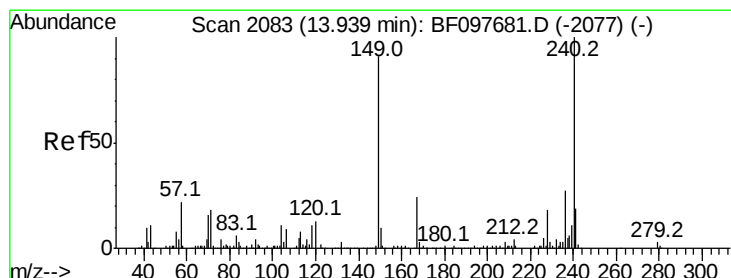
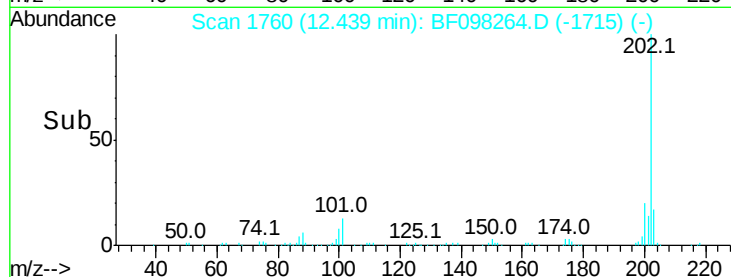
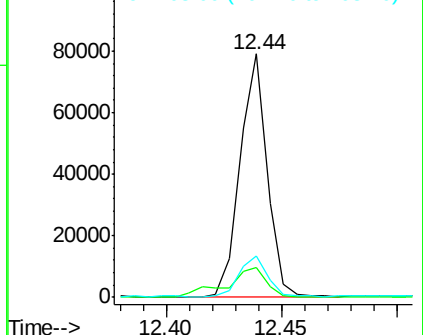
#74
Fluoranthene
Concen: 4.072 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 65071
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.0 0.0 38.1

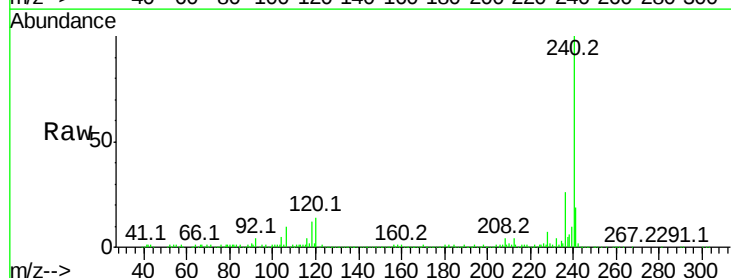


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

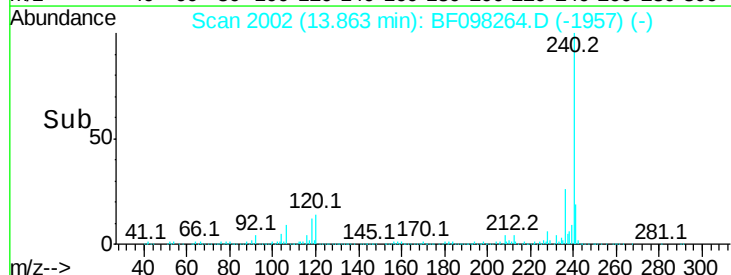
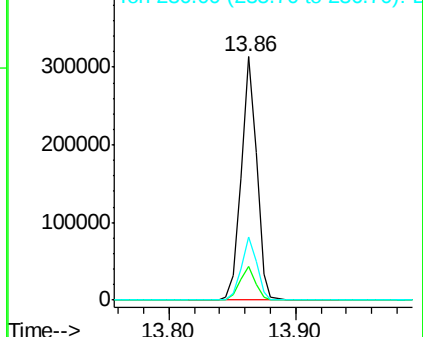


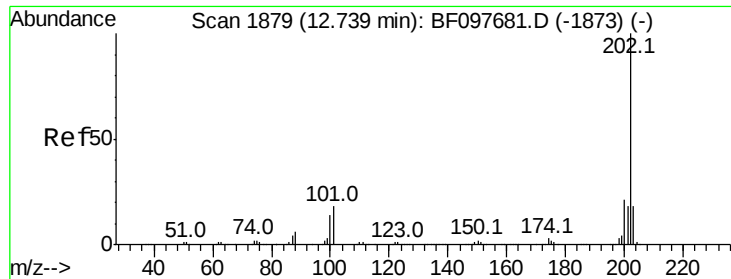
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Tgt Ion:240 Resp: 261968
Ion Ratio Lower Upper
240 100
120 14.0 5.8 8.8#
236 25.7 20.5 30.7



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

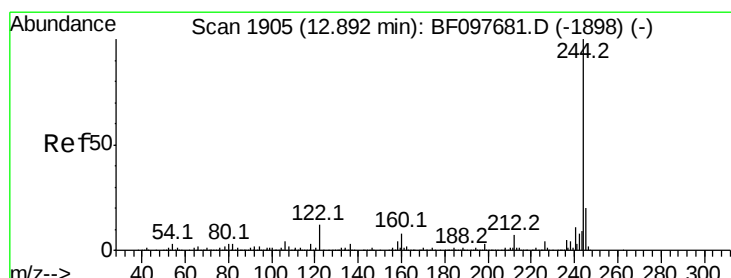
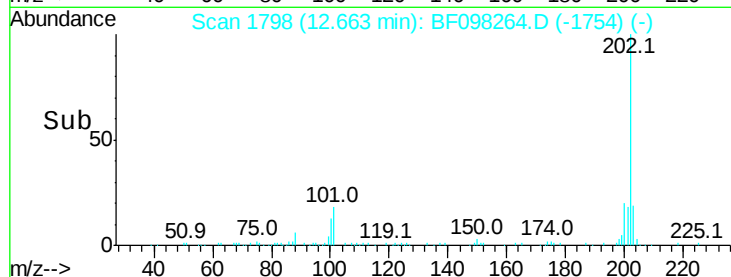
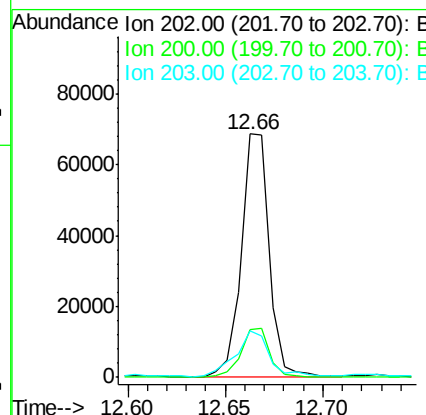
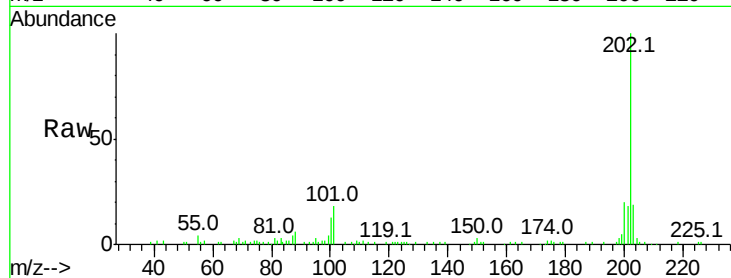




#77
Pvrene
Concen: 3.196 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

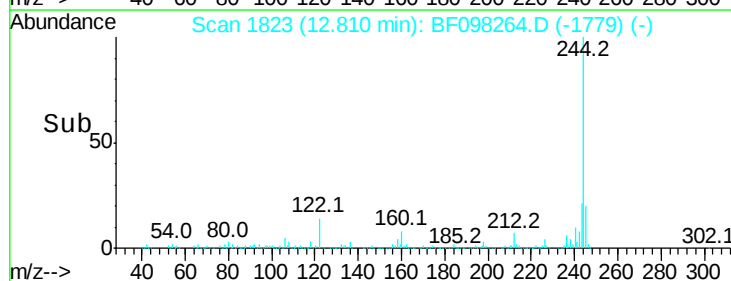
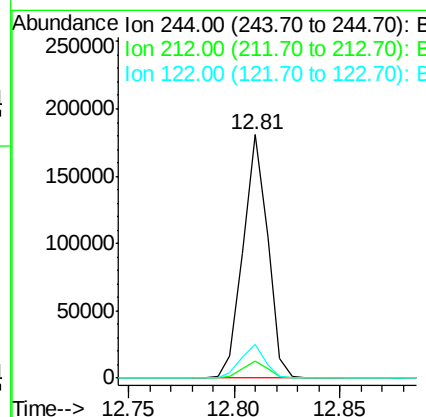
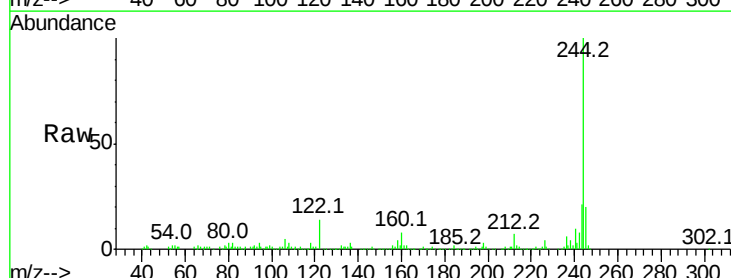
Instrument :
BNA_F
ClientSampleId :

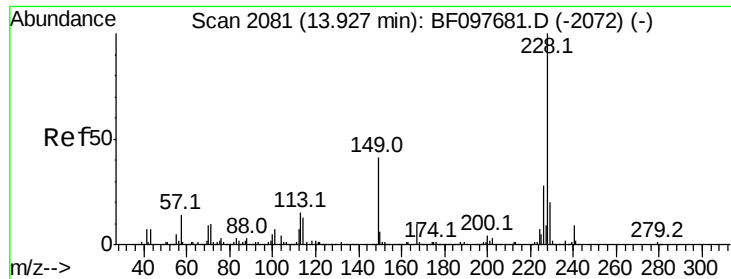
Tot Ion:202 Resp: 68479
Ion Ratio Lower Upper
202 100
200 19.5 17.6 26.4
203 19.2 14.4 21.6



#78
Terphenyl-d14
Concen: 11.572 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Tgt Ion:244 Resp: 145368
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 13.6 10.3 15.5

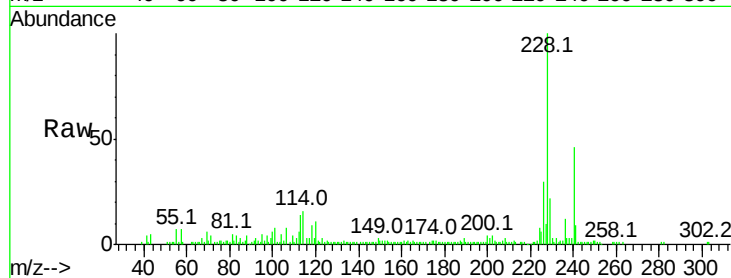




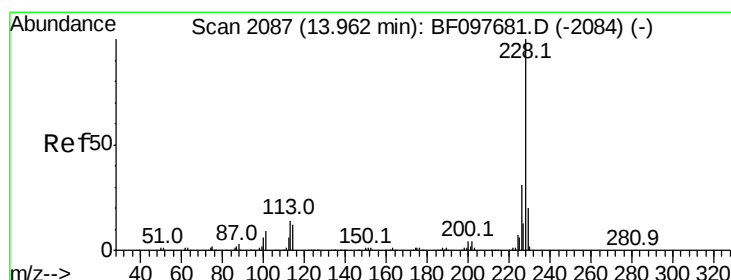
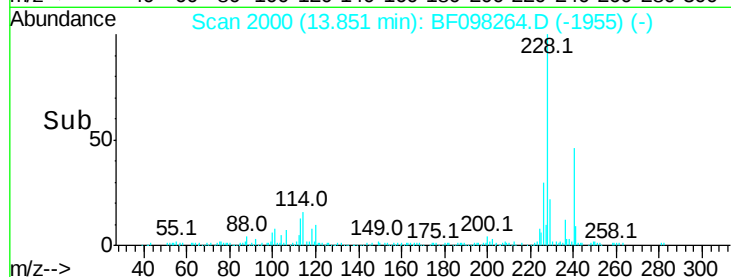
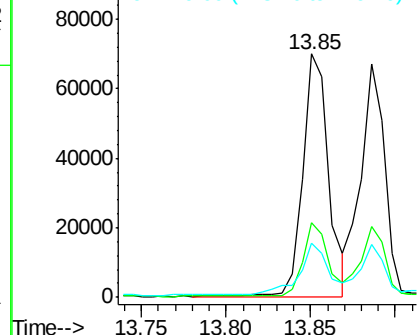
#80
Benzo(a)anthracene
Concen: 4.798 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 75332
Ion Ratio Lower Upper
228 100
226 30.5 22.6 33.8
229 22.3 16.3 24.5

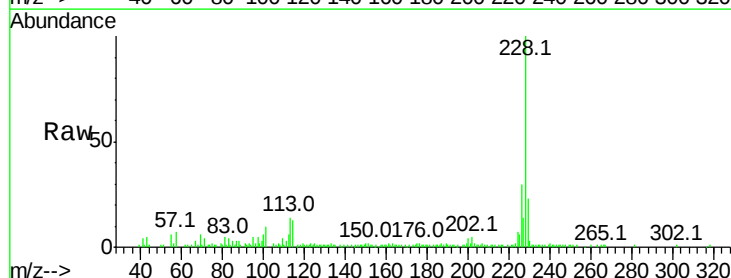


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

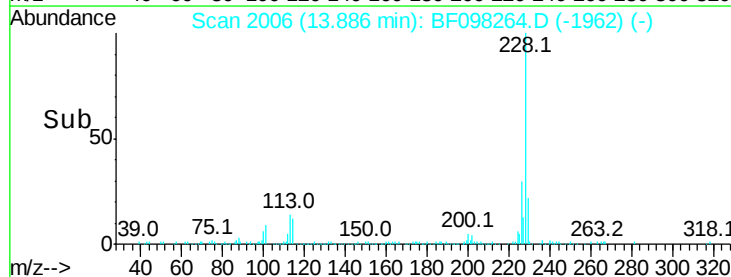
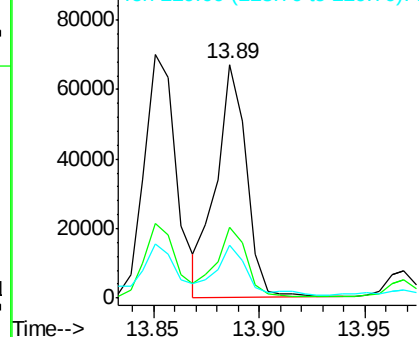


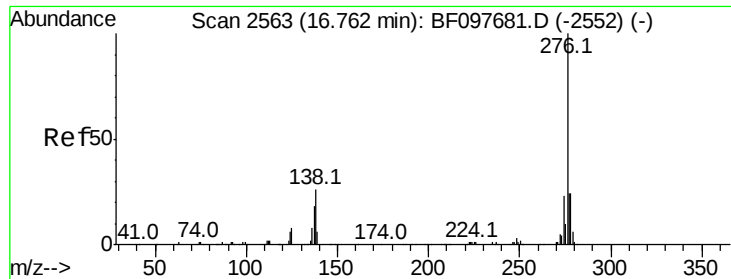
#82
Chrysene
Concen: 4.284 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Tgt Ion:228 Resp: 66907
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 22.8 15.8 23.6



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: 2.352 ng

RT: 16.64 min Scan# 2475

Delta R.T. -0.04 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

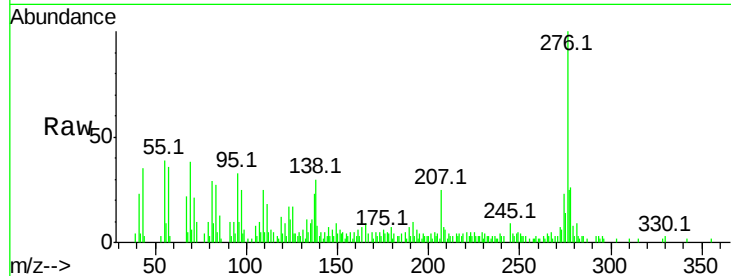
Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 27029

Ion	Ratio	Lower	Upper
276	100		
138	28.3	27.8	41.6
277	23.8	20.2	30.4

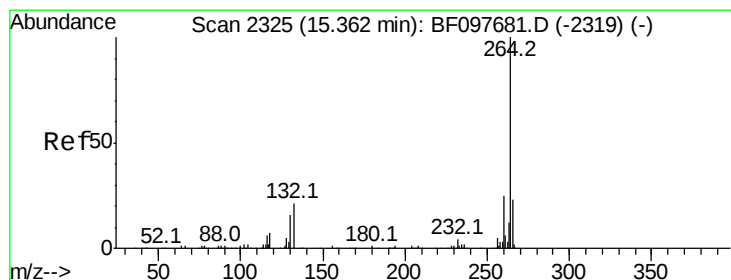
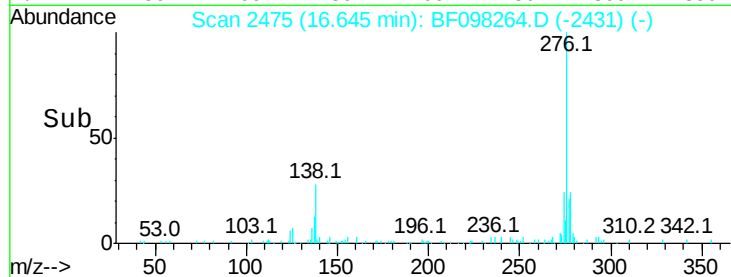
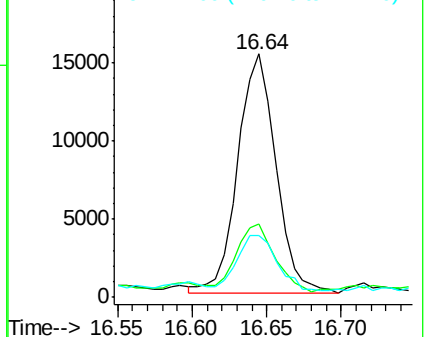


Abundance

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: 20.000 ng

RT: 15.28 min Scan# 2243

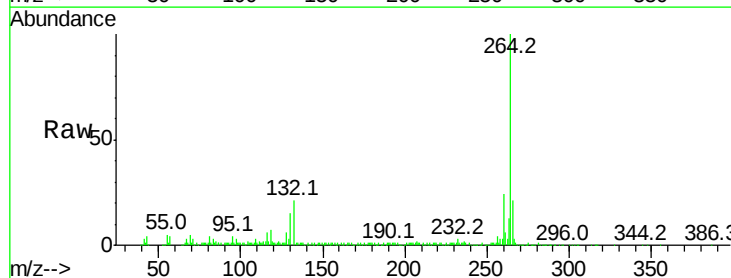
Delta R.T. -0.03 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

Tgt Ion:264 Resp: 186707

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.3	17.2	25.8

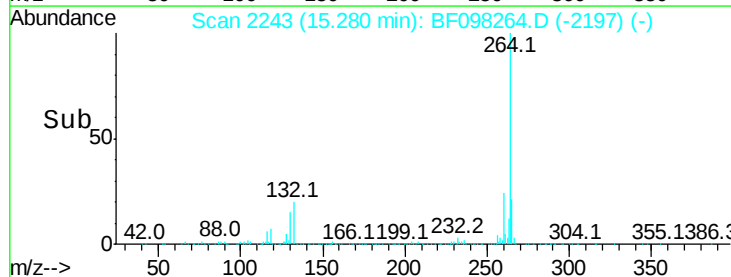
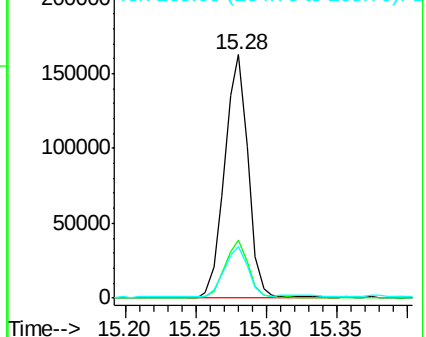


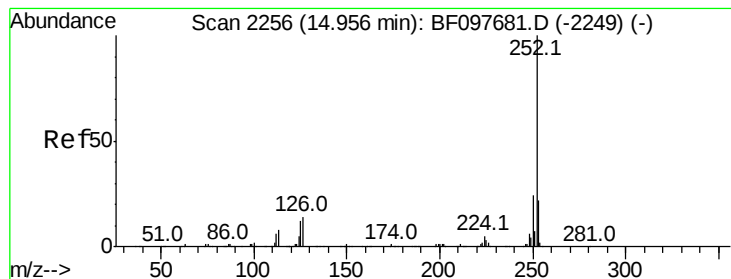
Abundance

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: 9.922 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.03 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

Instrument :

BNA_F

ClientSampleId :

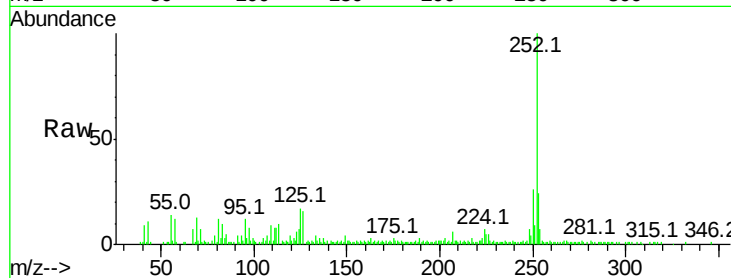
Tot Ion:252 Resp: 116768

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

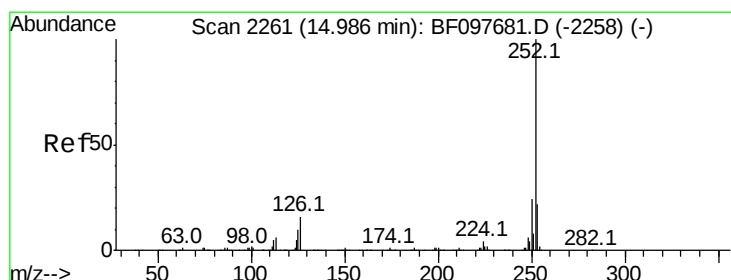
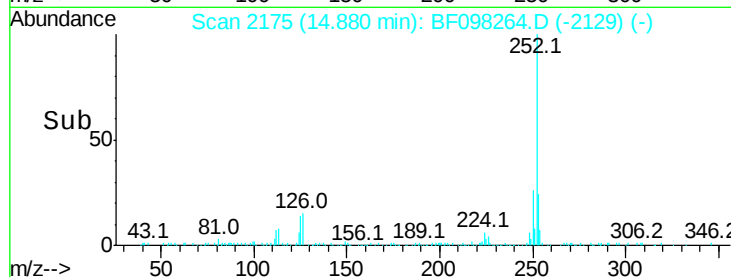
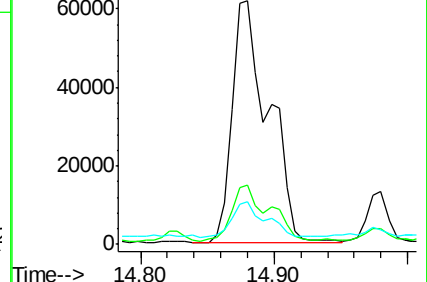
125 17.4 9.8 14.8#



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: 10.561 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.06 min

Lab File: BF098264.D

Acq: 2 Sep 2017 23:48

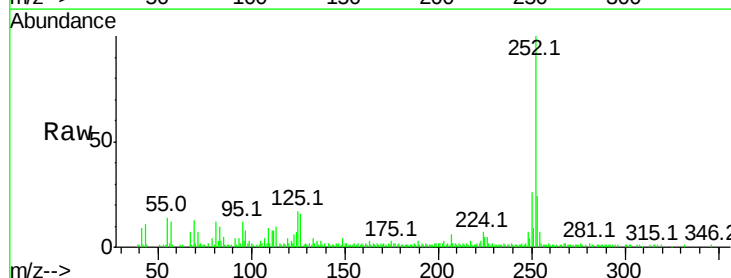
Tgt Ion:252 Resp: 116768

Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

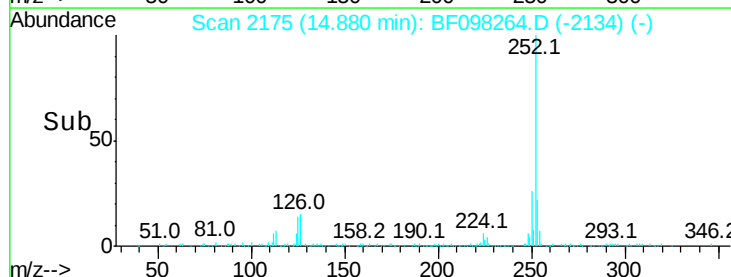
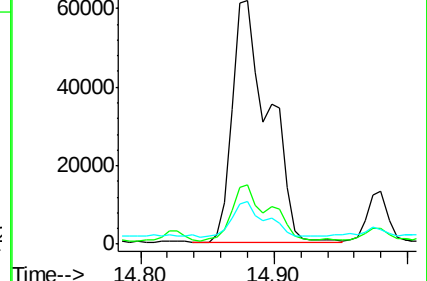
125 17.4 13.1 19.7

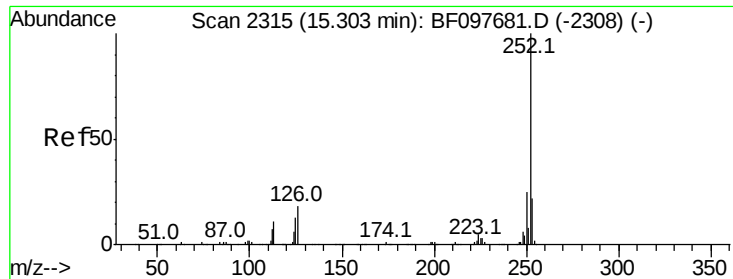


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

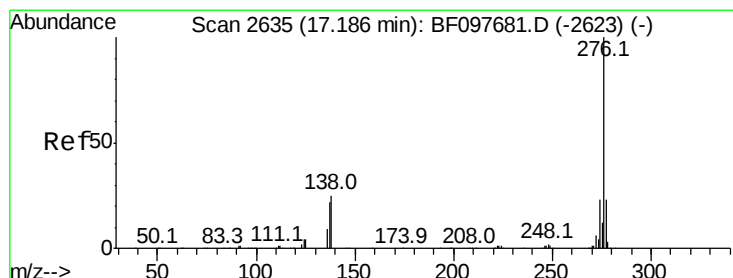
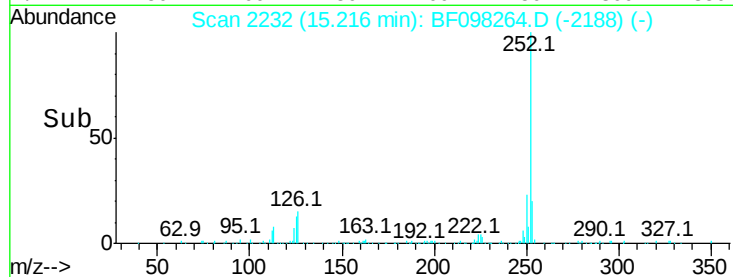
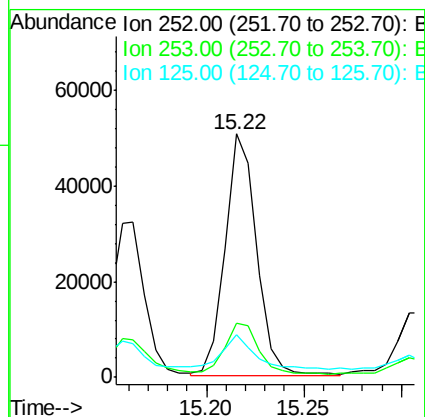
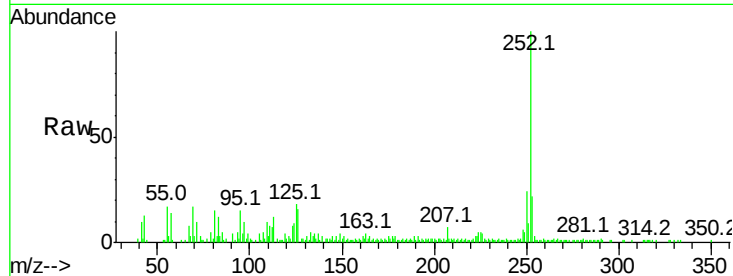




#89
Benzo(a)pyrene
Concen: 5.409 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 56352
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 17.8 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.845 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.05 min
Lab File: BF098264.D
Acq: 2 Sep 2017 23:48

Tgt Ion:276 Resp: 25177
Ion Ratio Lower Upper
276 100
277 29.6 18.6 28.0#
138 30.9 25.4 38.0

