

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
 Data File : BF109143.D
 Acq On : 19 Sep 2018 15:08
 Operator : JU/SJ
 Sample : J4967-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 15:32:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	125785	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	421486	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	171377	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	321489	20.00	ng	0.00
75) Chrysene-d12	13.87	240	304407	20.00	ng	0.00
86) Perylene-d12	15.29	264	233598	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	487400	64.36	ng	0.00
7) Phenol-d6	6.35	99	605955	62.05	ng	0.00
23) Nitrobenzene-d5	7.28	82	408290	54.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	131488	70.70	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	666361	60.92	ng	0.00
78) Terphenyl-d14	12.82	244	636021	49.52	ng	0.00

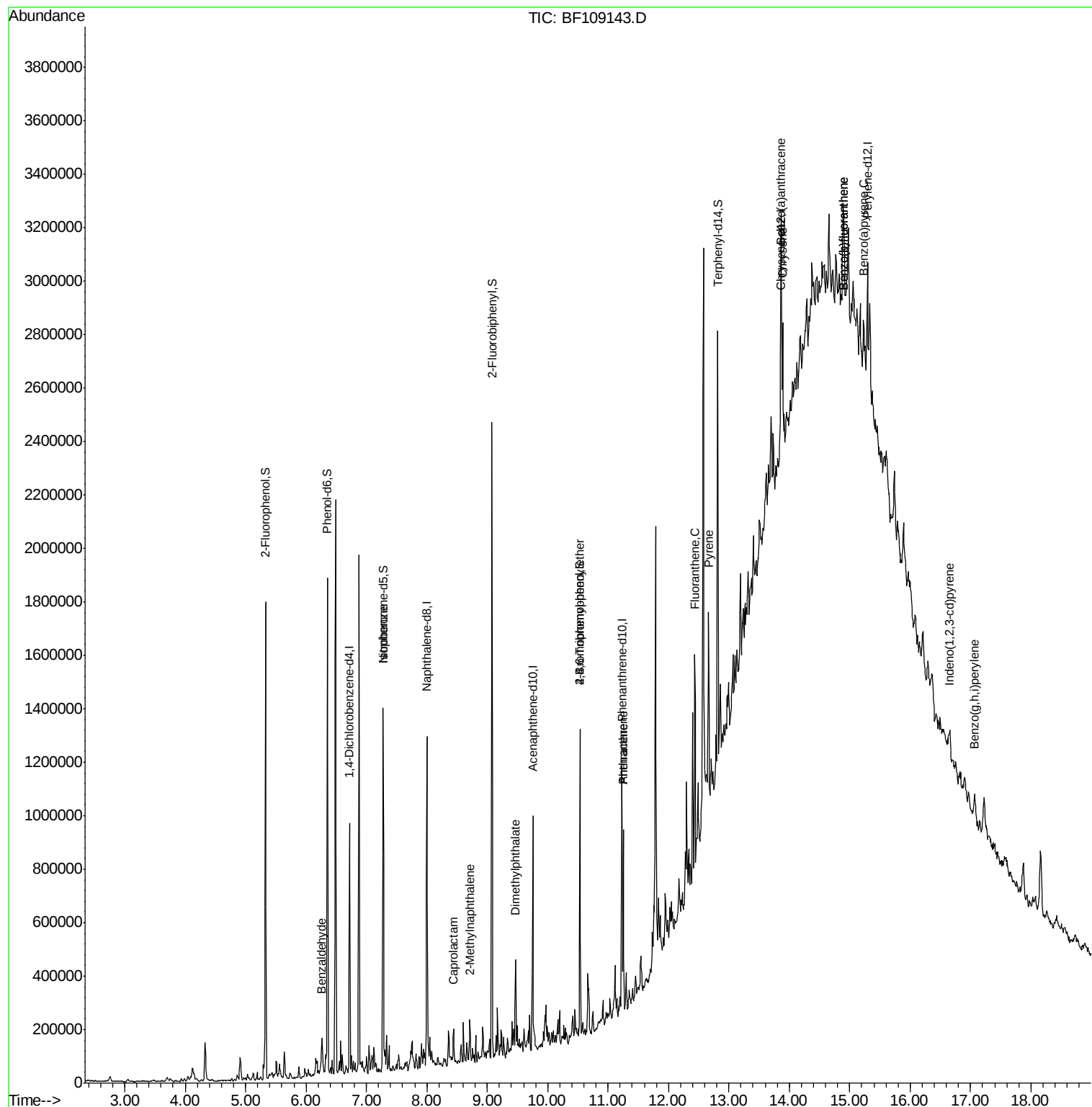
Target Compounds				Qvalue		
9) Benzaldehyde	6.26	77	29769	4.773	ng	96
25) Isophorone	7.28	82	403256	31.218	ng	# 64
35) Caprolactam	8.44	113	5263	2.669	ng	# 64
37) 2-Methylnaphthalene	8.71	142	33703	2.643	ng	97
49) Dimethylphthalate	9.47	163	93219	7.610	ng	# 99
66) 4-Bromophenyl-phenylether	10.54	248	7950	2.193	ng	# 1
70) Phenanthrene	11.25	178	232498	14.753	ng	98
71) Anthracene	11.25	178	232498	14.554	ng	99
74) Fluoranthene	12.44	202	310326	18.652	ng	98
77) Pyrene	12.67	202	277222	12.261	ng	99
80) Benzo(a)anthracene	13.85	228	134146	7.279	ng	# 88
82) Chrysene	13.89	228	170586	9.251	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.65	276	70669	4.794	ng	# 93
87) Benzo(b)fluoranthene	14.89	252	247028	19.115	ng	# 85
88) Benzo(k)fluoranthene	14.89	252	247028	20.466	ng	# 87
89) Benzo(a)pyrene	15.23	252	98299	8.565	ng	# 71
91) Benzo(a,h,i)perylene	17.07	276	69064	7.164	ng	# 93

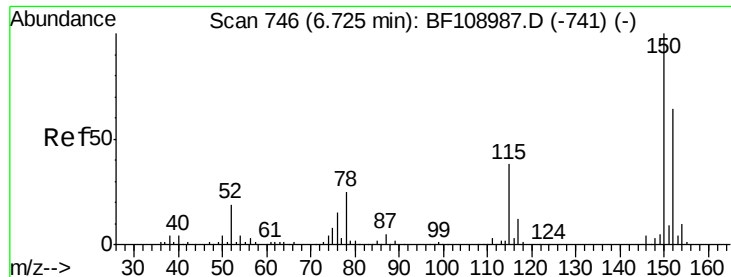
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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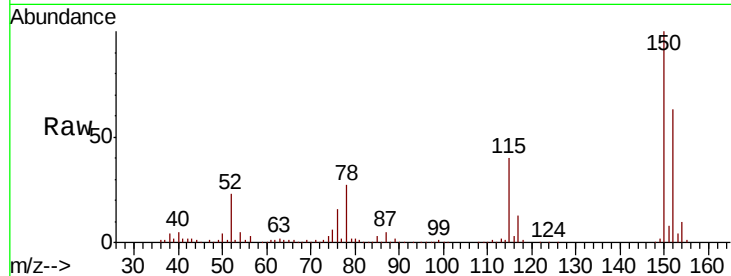


#1

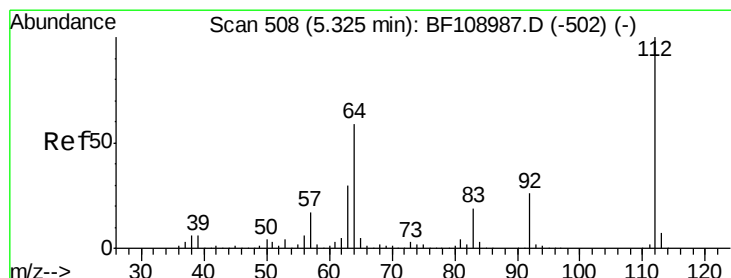
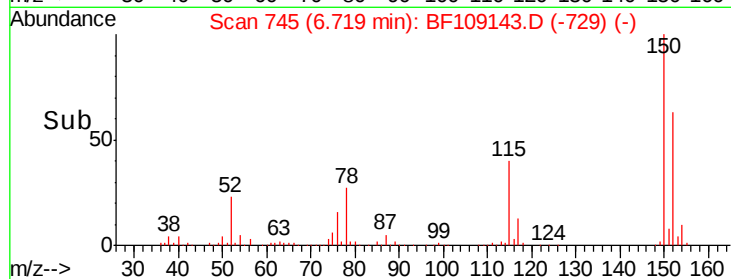
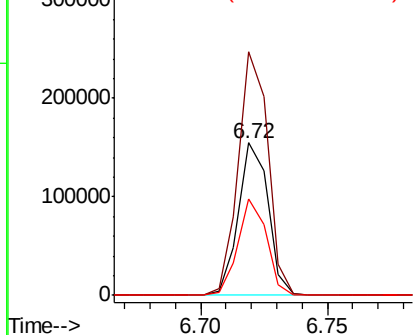
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125785
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 63.6 50.1 75.1



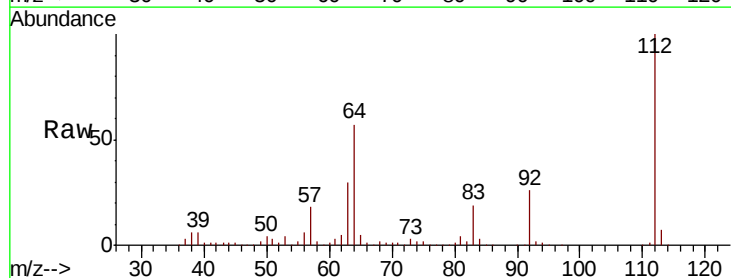
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



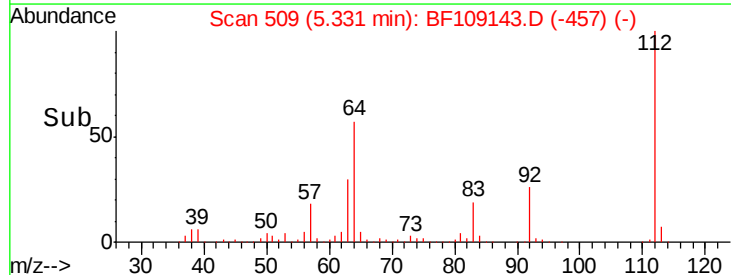
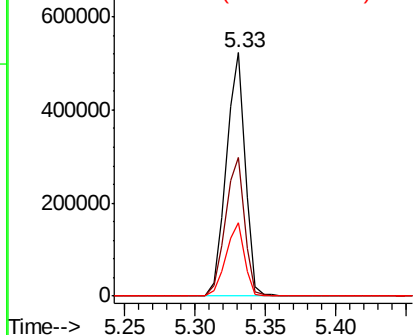
#5

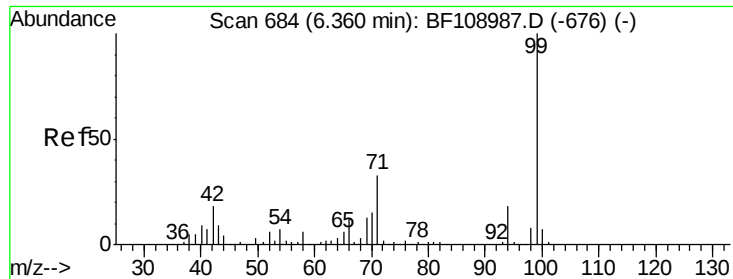
2-Fluorophenol
Concen: 64.357 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:112 Resp: 487400
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 30.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 62.051 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

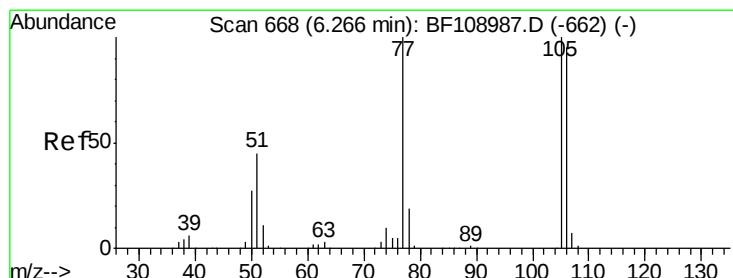
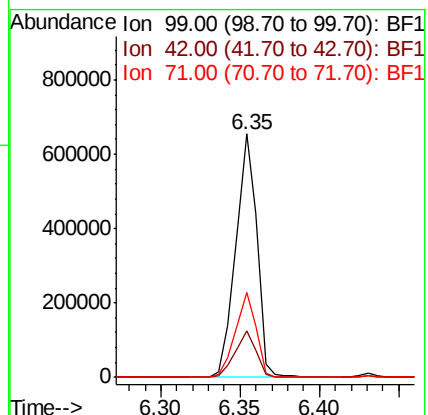
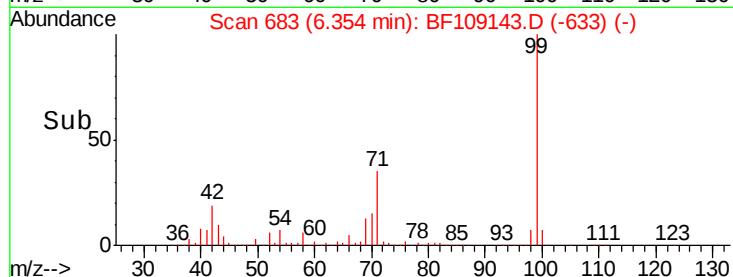
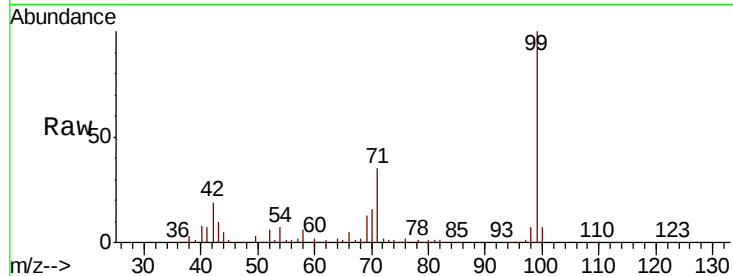
Tot Ion: 99 Resp: 605955

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 34.9 25.4 38.0



#9

Benzaldehyde

Concen: 4.773 ng

RT: 6.26 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

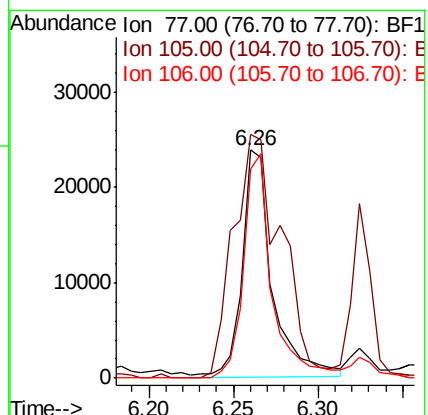
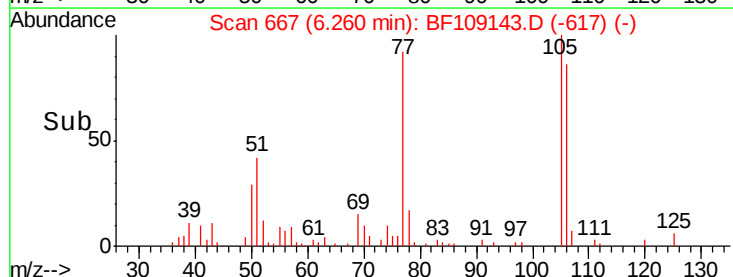
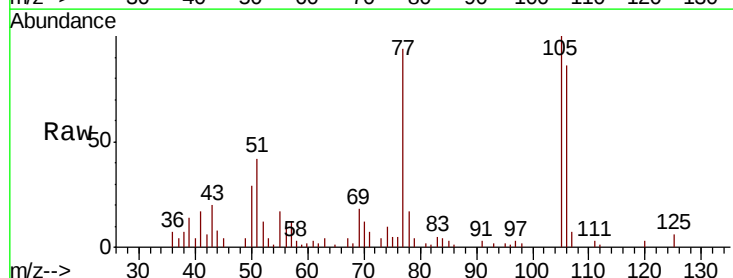
Tgt Ion: 77 Resp: 29769

Ion Ratio Lower Upper

77 100

105 106.9 81.1 121.1

106 91.9 74.5 114.5

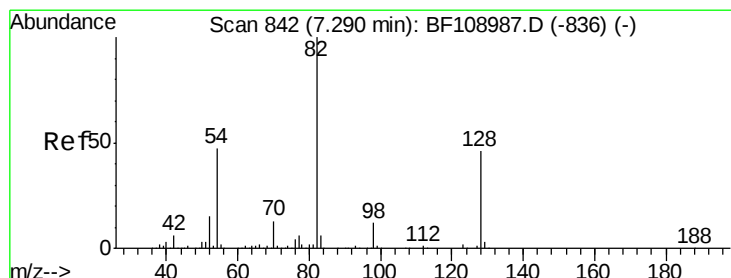
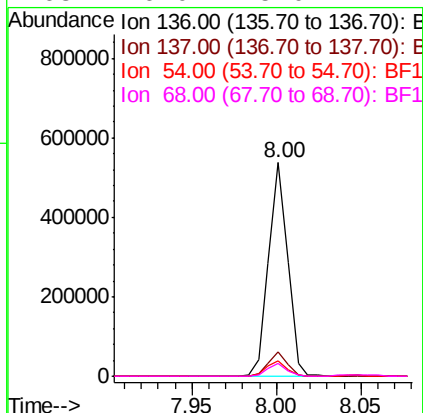
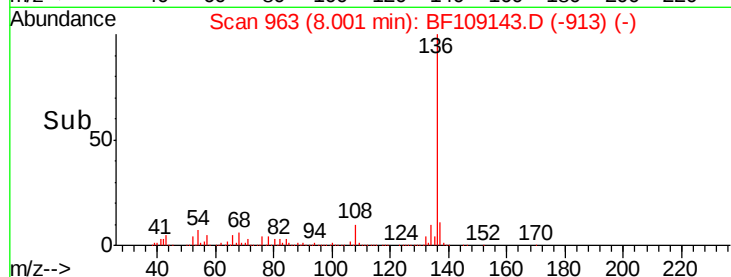
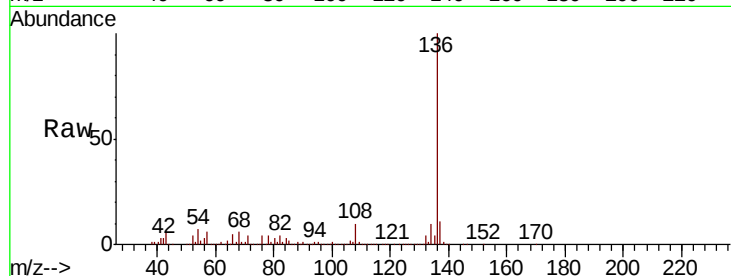




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

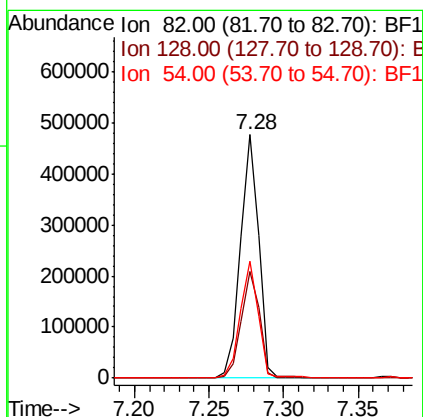
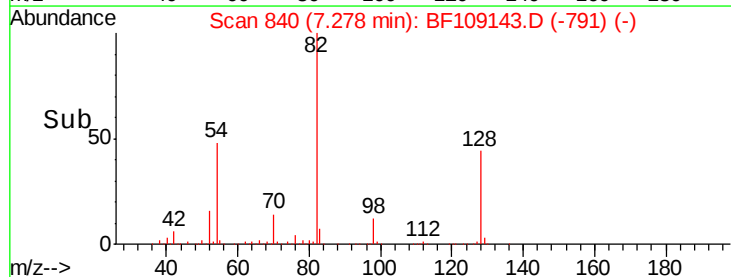
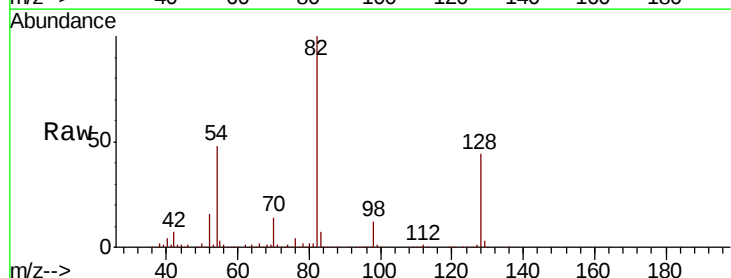
Instrument :
BNA_F
ClientSampleId :

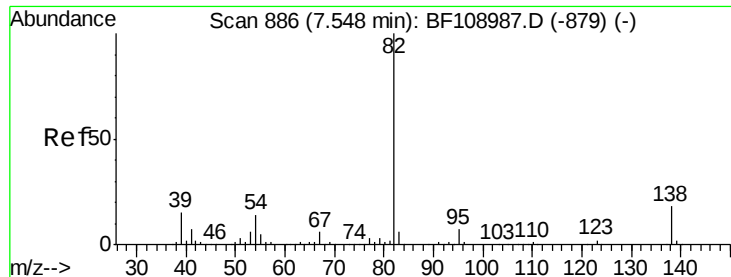
Tot Ion:136	Resp:	421486
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	7.5	6.6 9.8
68	6.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 54.332 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion: 82	Resp:	408290
Ion	Ratio	Lower Upper
82	100	
128	43.6	36.1 54.1
54	48.1	41.4 62.2





#25

Isophorone

Concen: 31.218 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

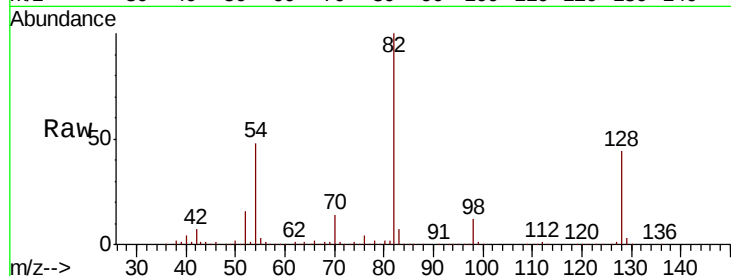
Tot Ion: 82 Resp: 403256

Ion Ratio Lower Upper

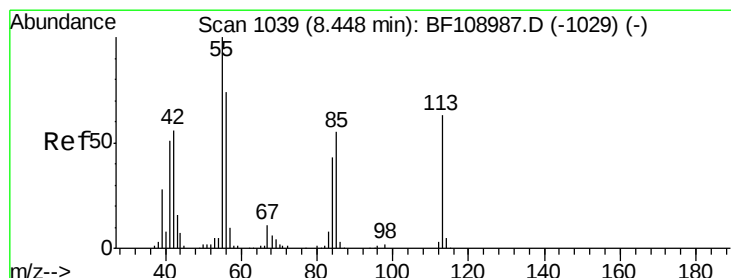
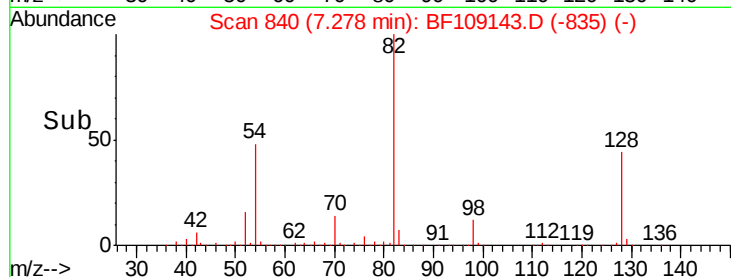
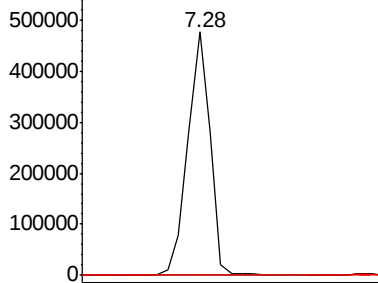
82 100

95 0.3 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#35

Caprolactam

Concen: 2.669 ng

RT: 8.44 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

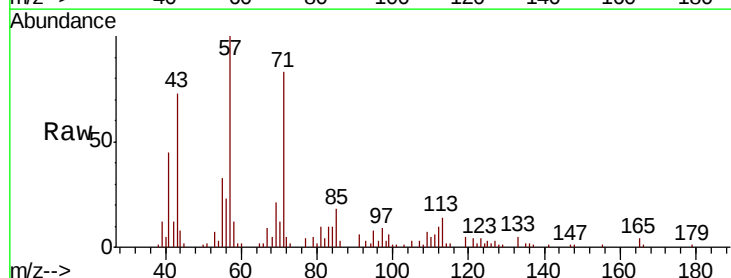
Tgt Ion: 113 Resp: 5263

Ion Ratio Lower Upper

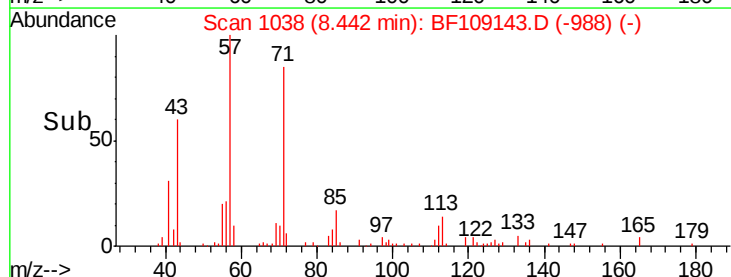
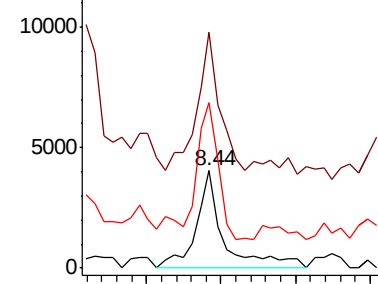
113 100

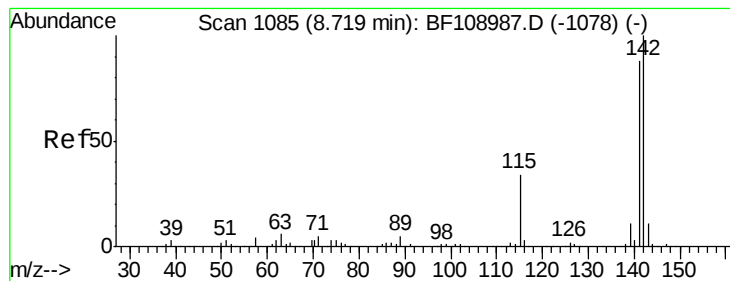
55 242.7 163.3 203.3#

56 170.2 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): BF1
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1





#37

2-Methylnaphthalene

Concen: 2.643 ng

RT: 8.71 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

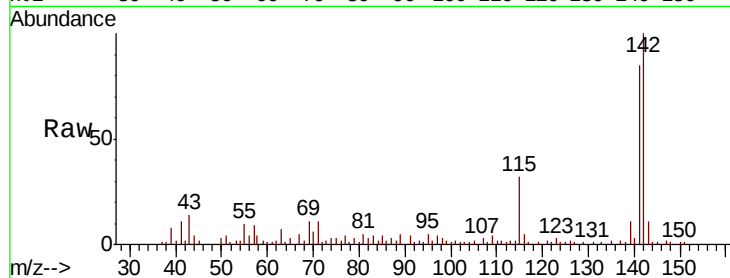
Tot Ion:142 Resp: 33703

Ion Ratio Lower Upper

142 100

141 84.6 70.8 106.2

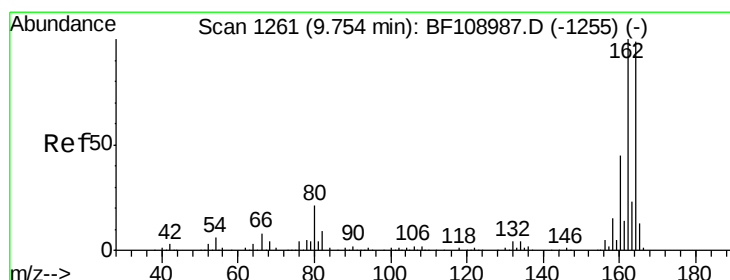
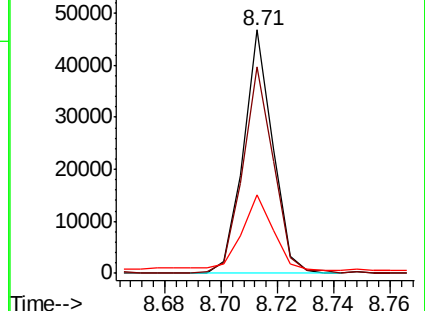
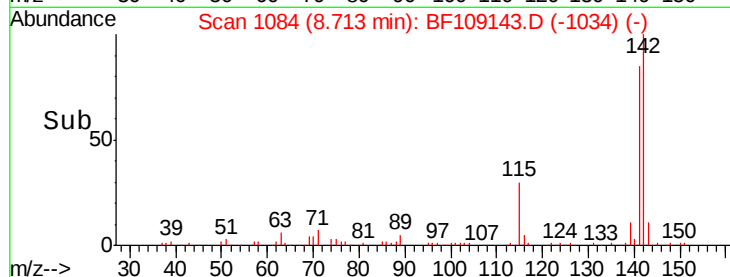
115 32.4 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

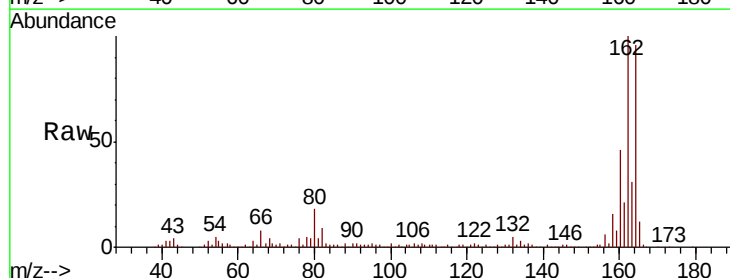
Tgt Ion:164 Resp: 171377

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

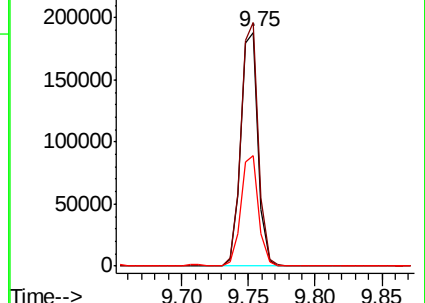
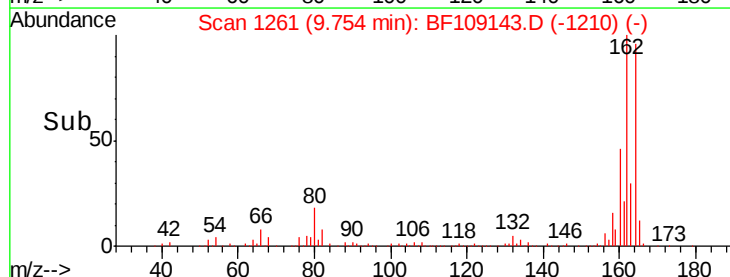
160 47.5 38.3 57.5

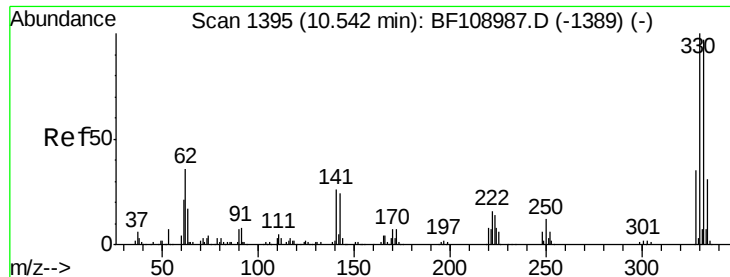


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

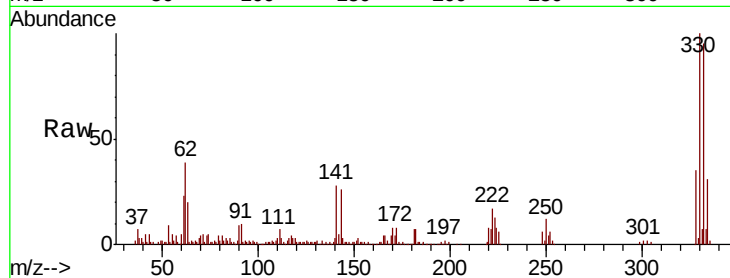




#41
 2,4,6-Tribromophenol
 Concen: 70.696 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109143.D
 Acq: 19 Sep 2018 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.0	29.9	44.9

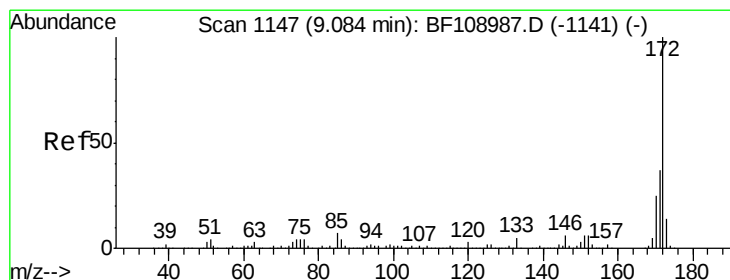
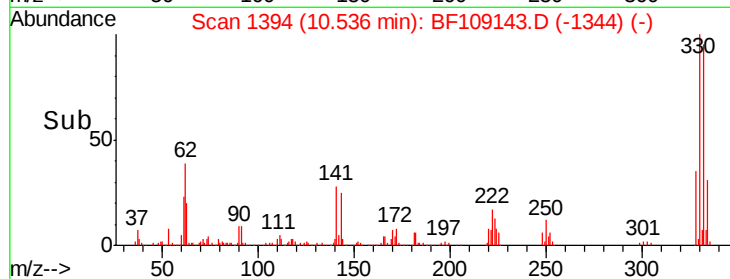
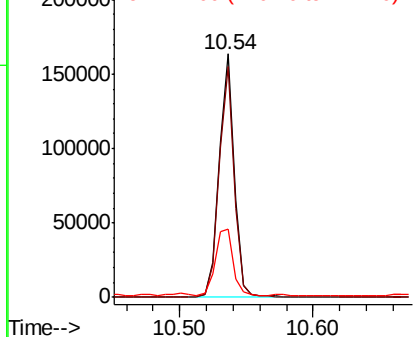


Abundance

Ion 329.80 (329.50 to 330.50): E

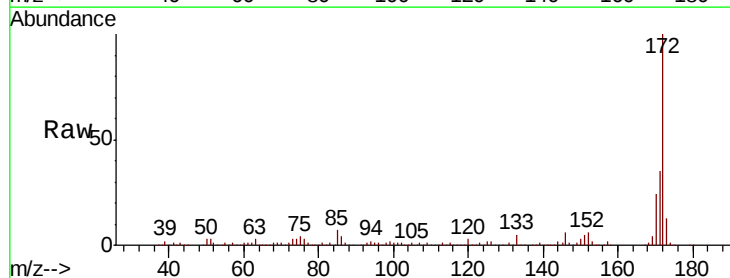
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 60.919 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109143.D
 Acq: 19 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.1	19.6	29.4

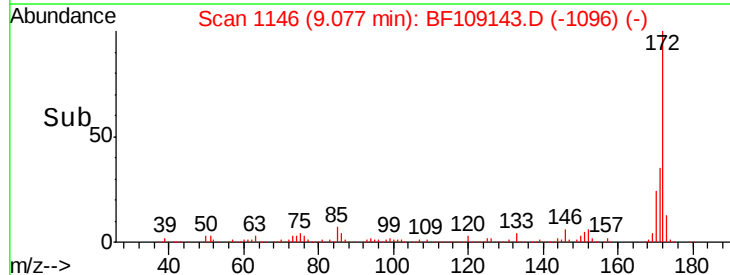
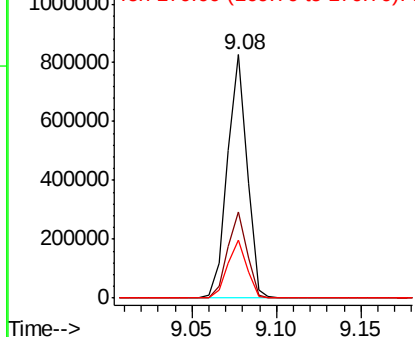


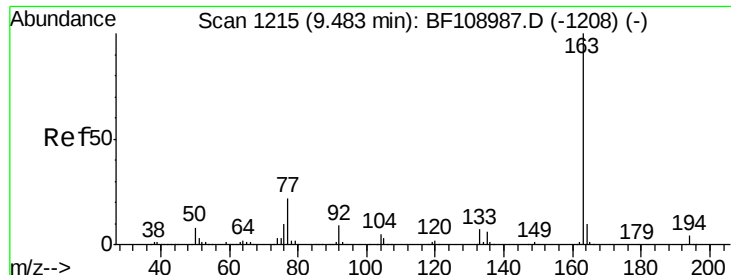
Abundance

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

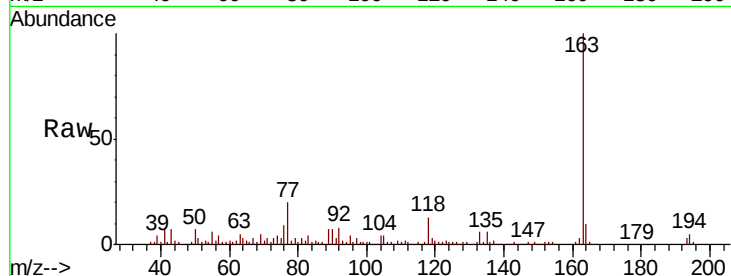




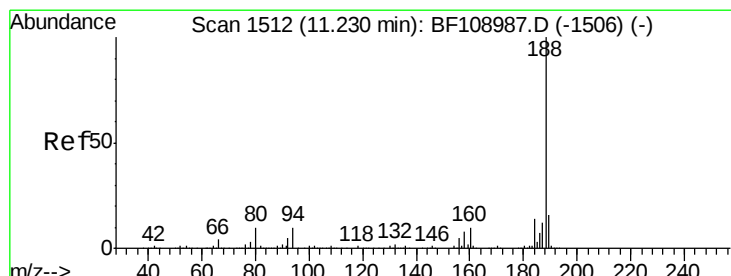
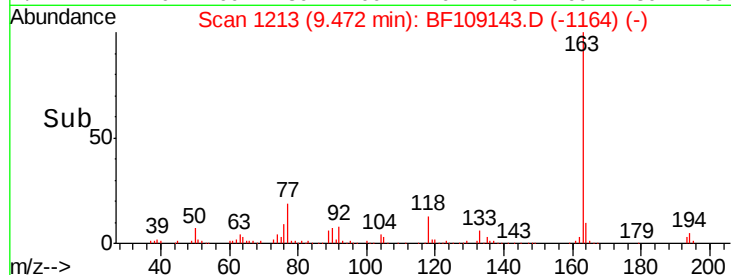
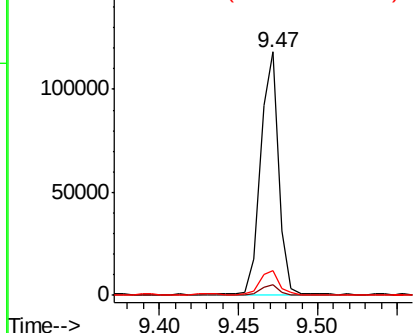
#49
Dimethylphthalate
Concen: 7.610 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 93219
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.3 8.2 12.2

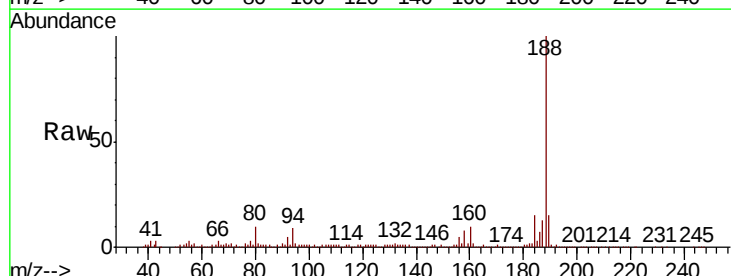


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

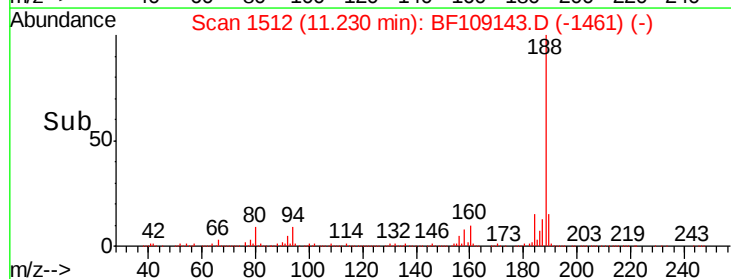
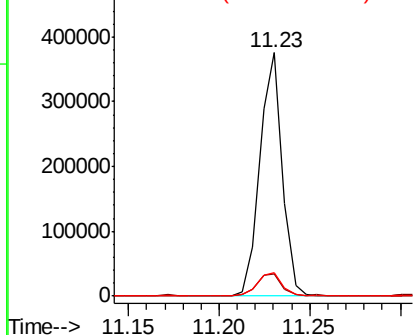


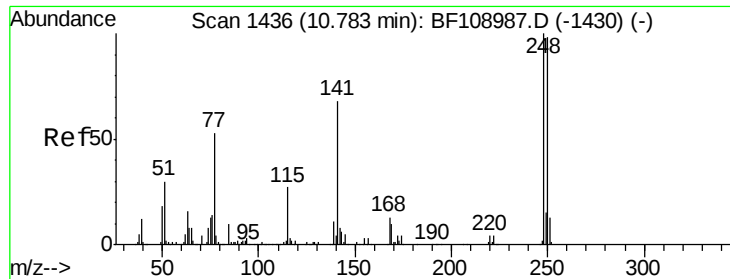
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:188 Resp: 321489
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 9.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

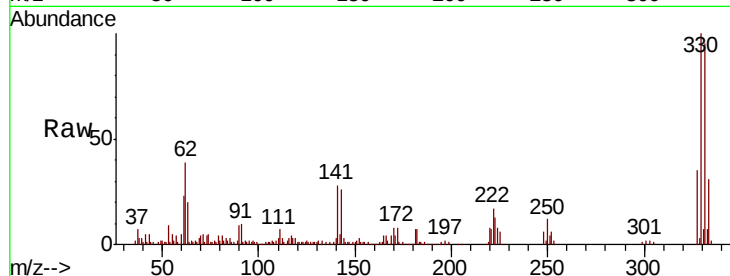




#66
4-Bromophenyl-phenylether
Concen: 2.193 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.25 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	188.3	76.9	115.3
141	459.9	74.4	111.6

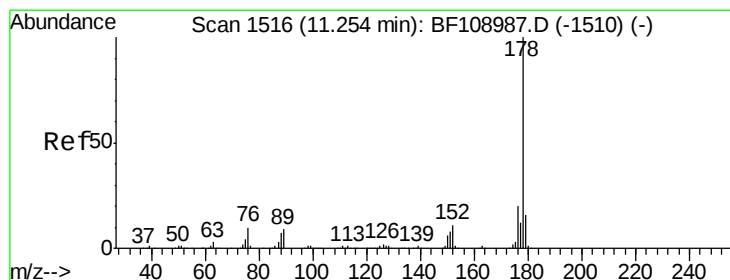
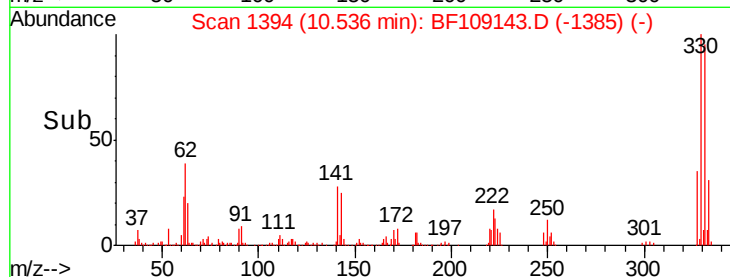
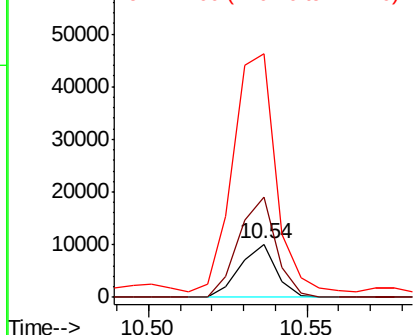


Abundance

Ion 248.00 (247.70 to 248.70): E

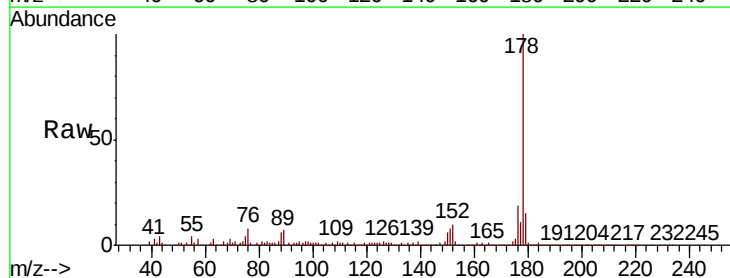
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
Phenanthrene
Concen: 14.753 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6

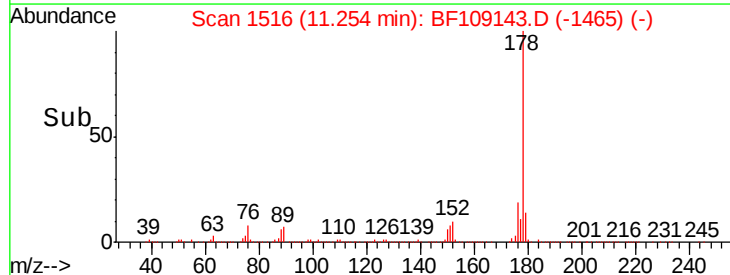
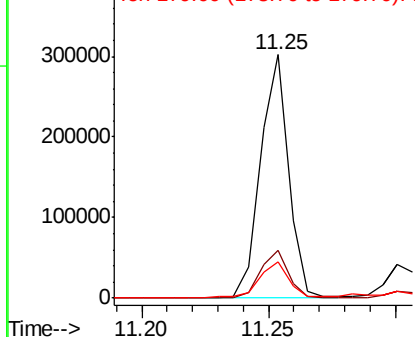


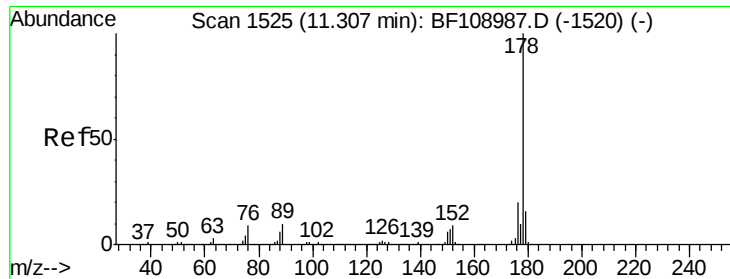
Abundance

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

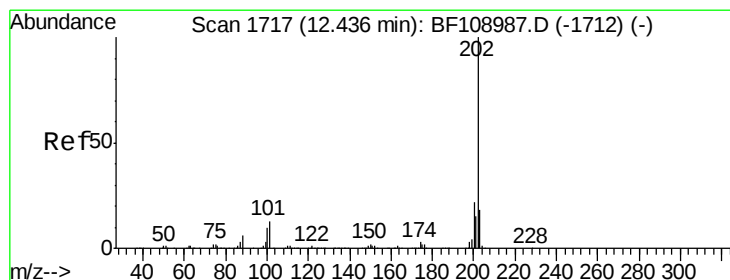
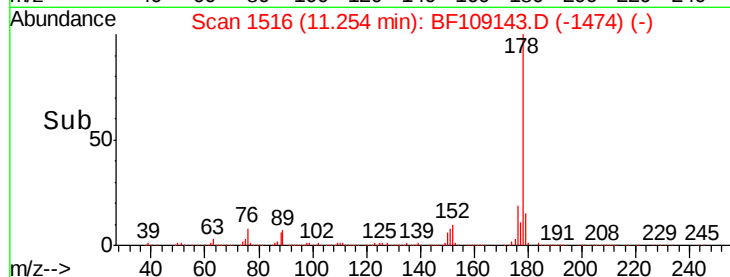
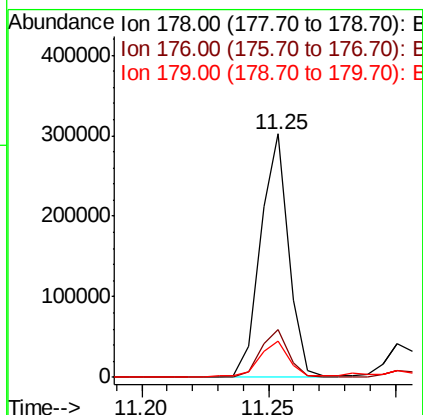
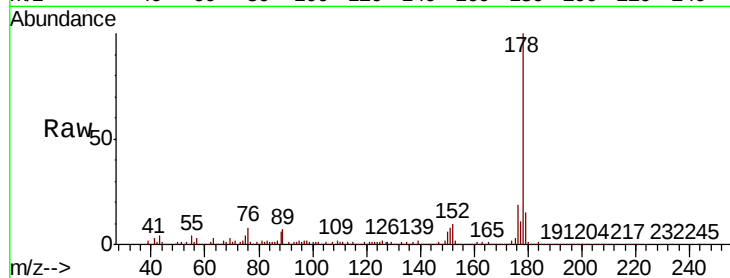




#71
 Anthracene
 Concen: 14.554 ng
 RT: 11.25 min Scan# 1516
 Delta R.T. -0.05 min
 Lab File: BF109143.D
 Acq: 19 Sep 2018 15:08

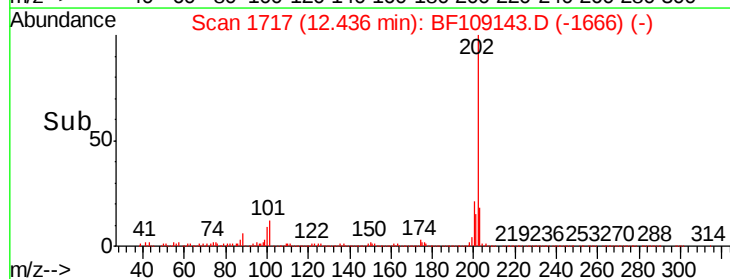
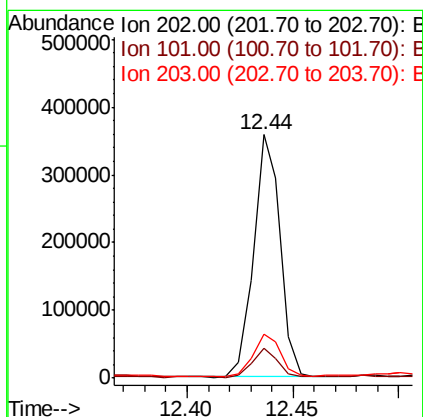
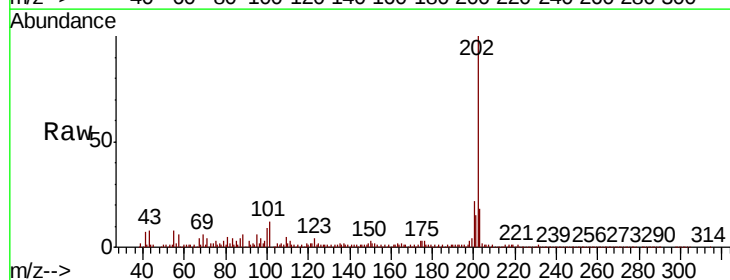
Instrument :
 BNA_F
 ClientSampleId :

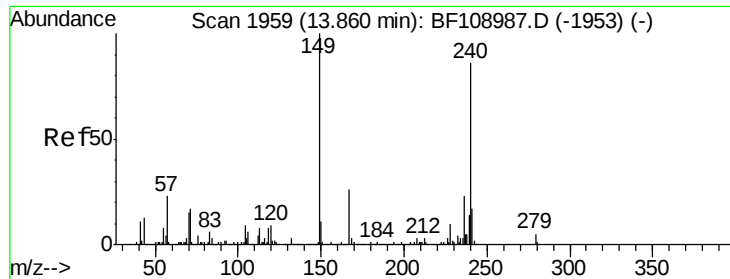
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	14.9	12.6	19.0



#74
 Fluoranthene
 Concen: 18.652 ng
 RT: 12.44 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BF109143.D
 Acq: 19 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.3	0.0	38.1

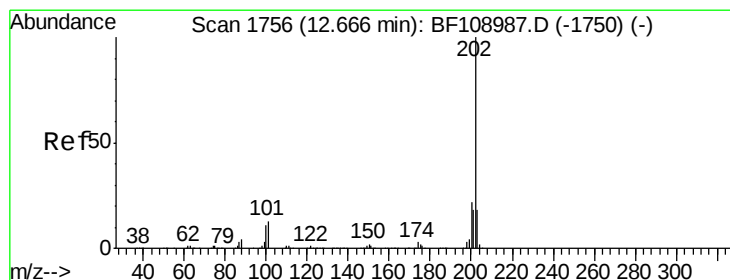
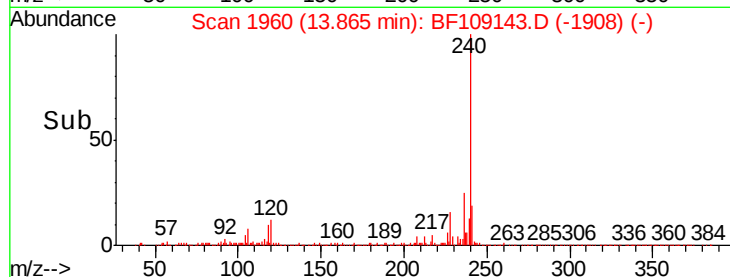
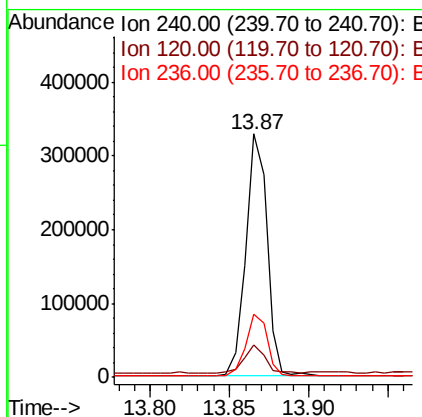
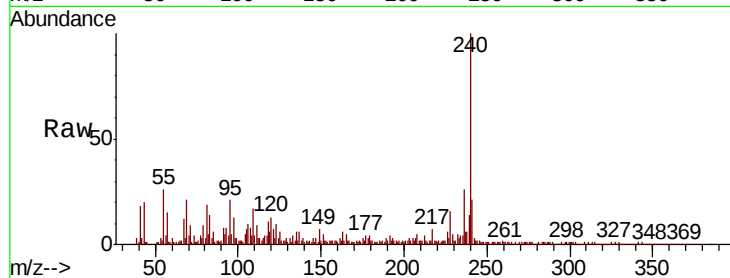




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

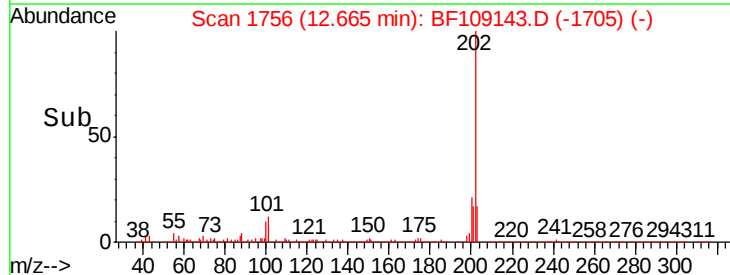
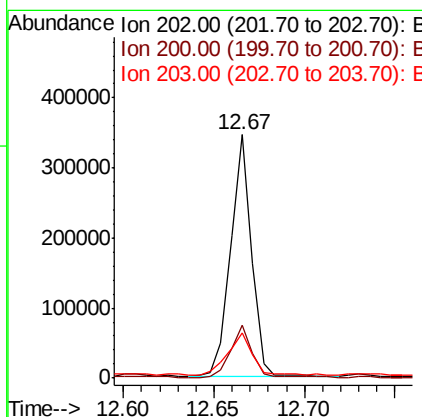
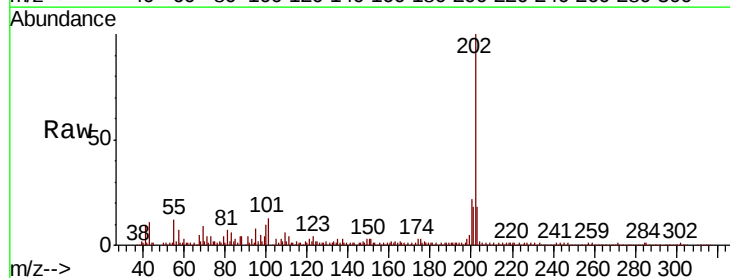
Instrument :
BNA_F
ClientSampleId :

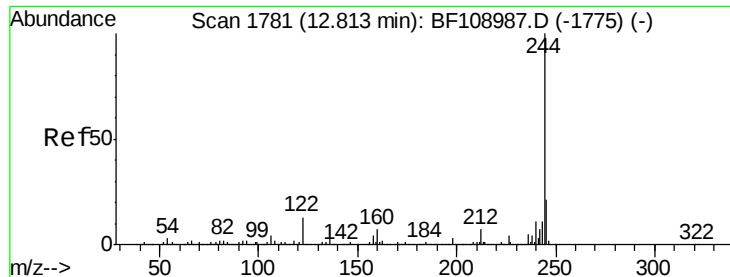
Tot Ion:240 Resp: 304407
Ion Ratio Lower Upper
240 100
120 13.2 9.5 14.3
236 26.0 20.7 31.1



#77
Pyrene
Concen: 12.261 ng
RT: 12.67 min Scan# 1756
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:202 Resp: 277222
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 18.4 14.3 21.5

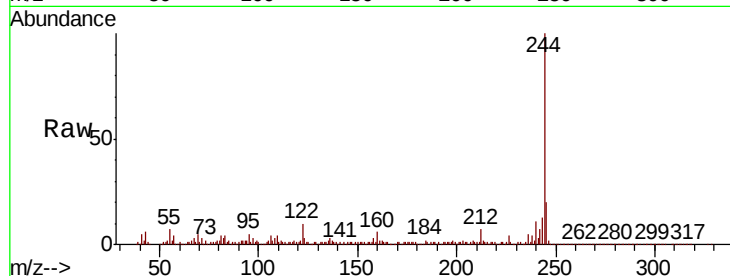




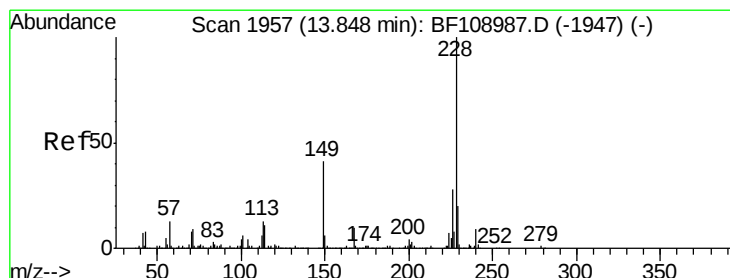
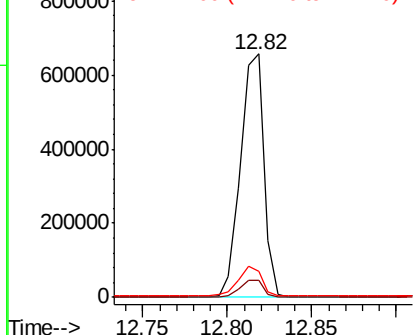
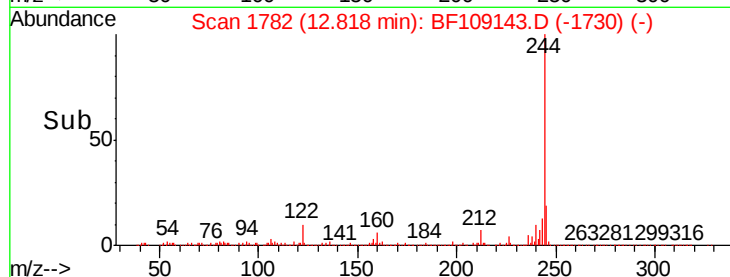
#78
 Terphenyl-d14
 Concen: 49.524 ng
 RT: 12.82 min Scan# 1782
 Delta R.T. 0.01 min
 Lab File: BF109143.D
 Acq: 19 Sep 2018 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.5	11.0	16.4

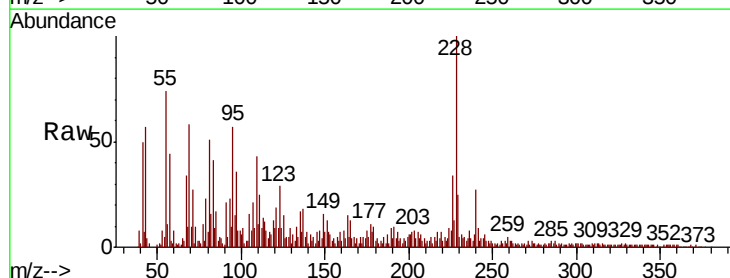


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

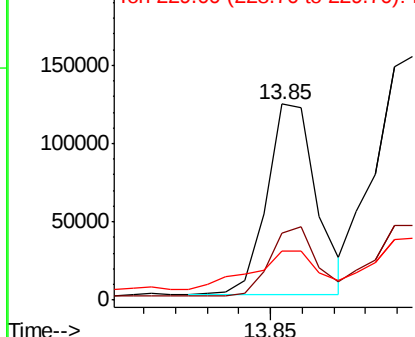
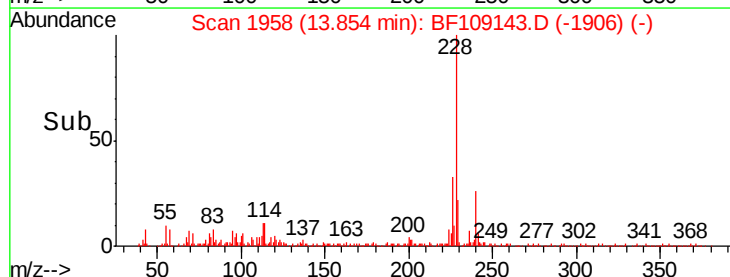


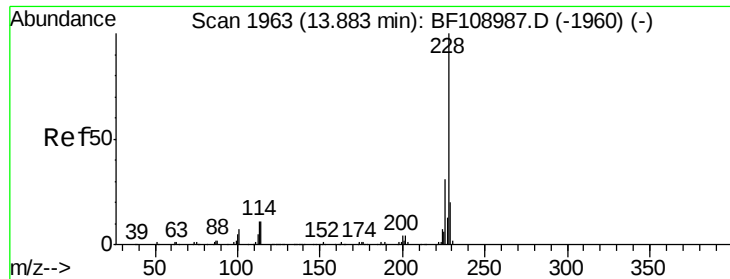
#80
 Benzo(a)anthracene
 Concen: 7.279 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: BF109143.D
 Acq: 19 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.6	33.8
229	25.3	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





#82

Chrysene

Concen: 9.251 ng

RT: 13.89 min Scan# 1965

Delta R.T. 0.01 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

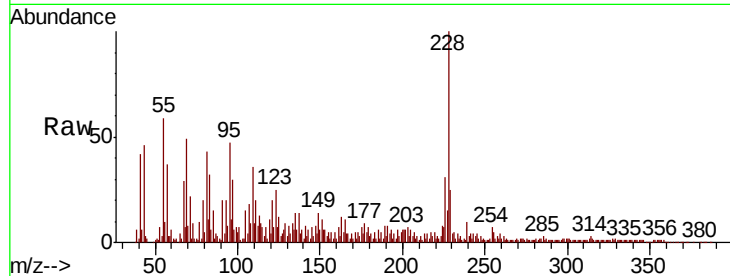
Tot Ion:228 Resp: 170586

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 25.2 16.2 24.4#

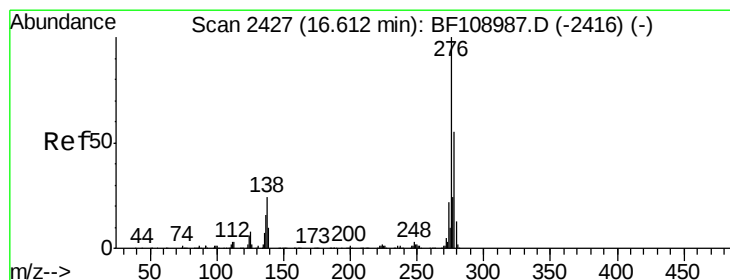
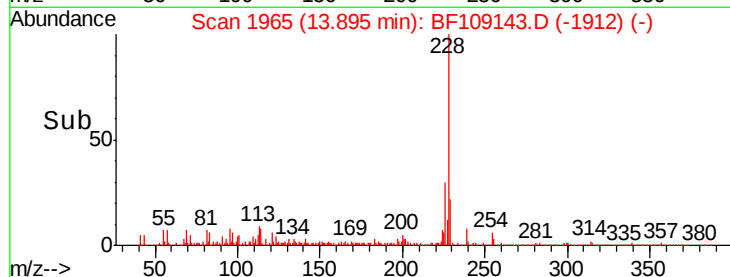
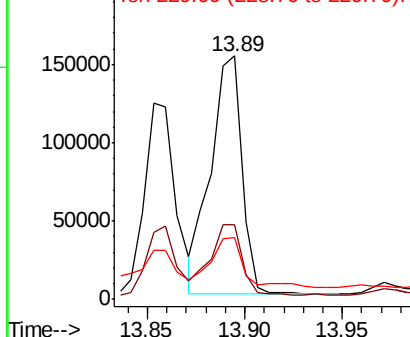


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.794 ng

RT: 16.65 min Scan# 2434

Delta R.T. 0.04 min

Lab File: BF109143.D

Acq: 19 Sep 2018 15:08

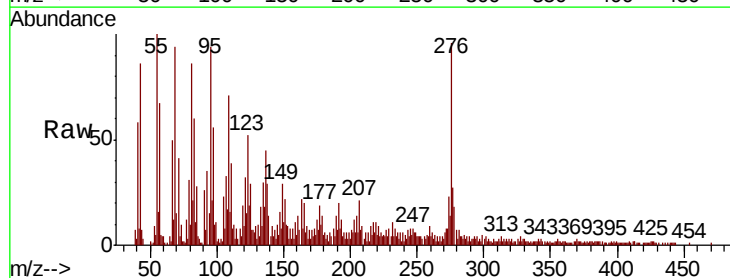
Tgt Ion:276 Resp: 70669

Ion Ratio Lower Upper

276 100

138 24.5 25.0 37.6#

277 25.1 20.1 30.1

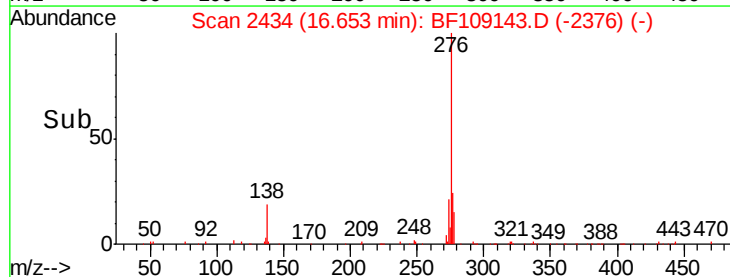
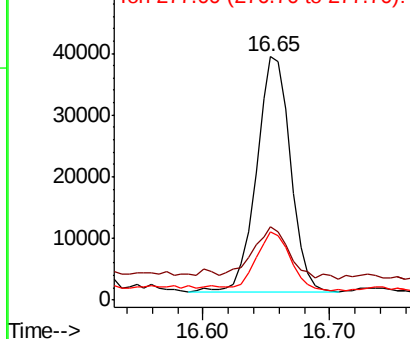


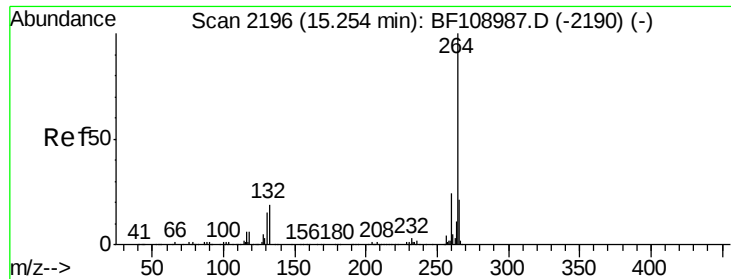
Abundance

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

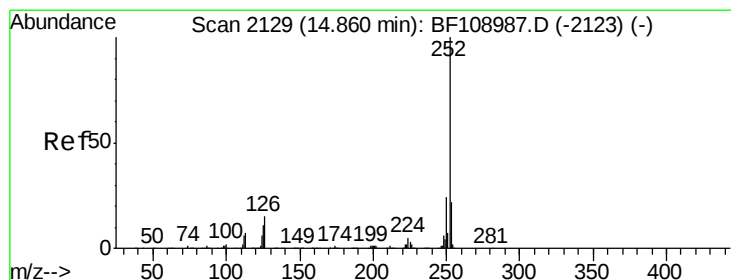
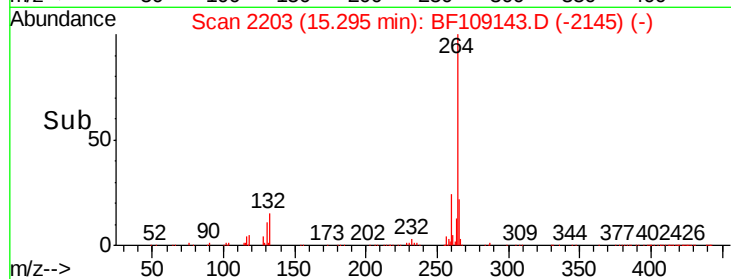
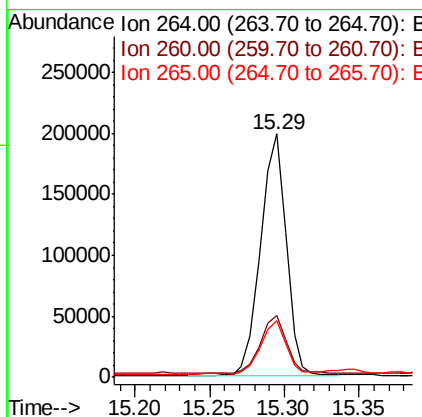
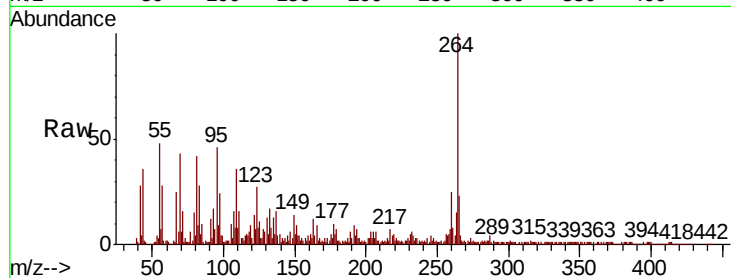




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2203
Delta R.T. 0.04 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

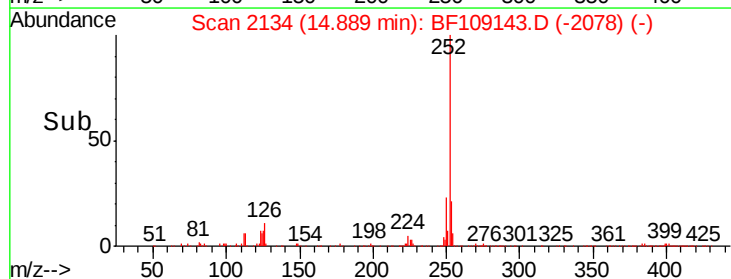
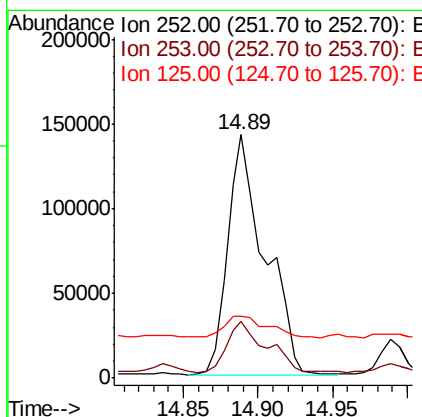
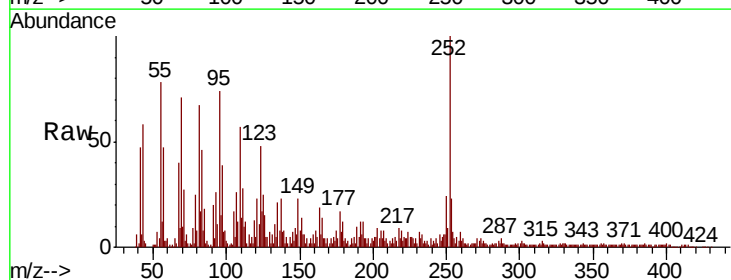
Instrument :
BNA_F
ClientSampleId :

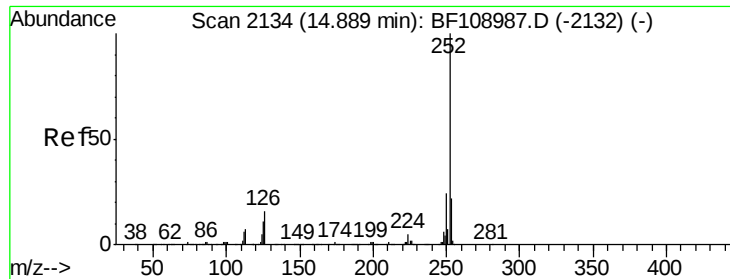
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 19.115 ng
RT: 14.89 min Scan# 2134
Delta R.T. 0.03 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	25.4	9.0	13.6

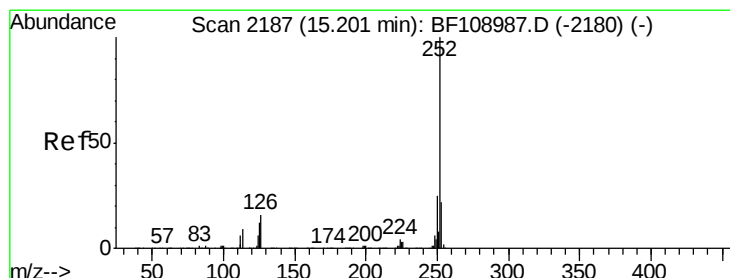
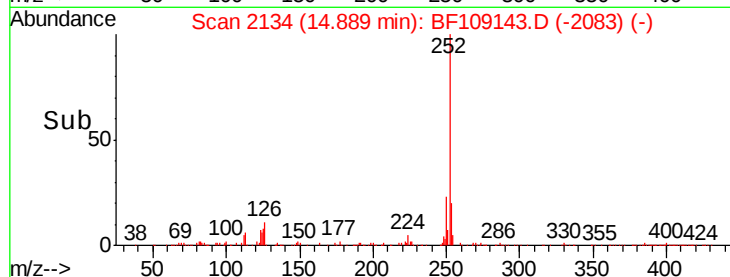
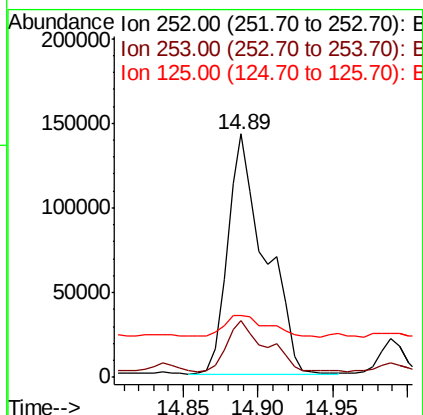
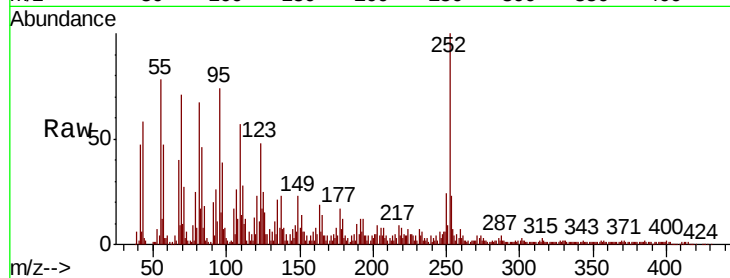




#88
Benzo(k)fluoranthene
Concen: 20.466 ng
RT: 14.89 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

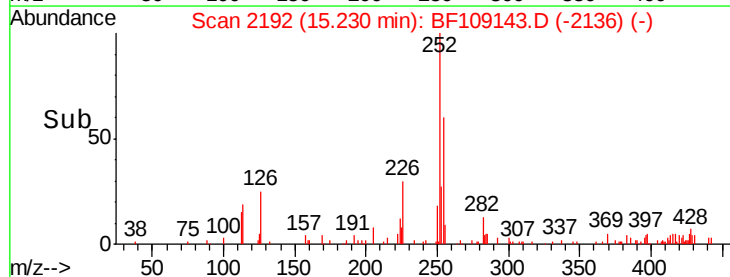
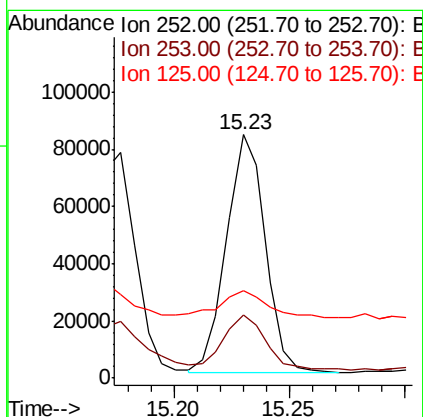
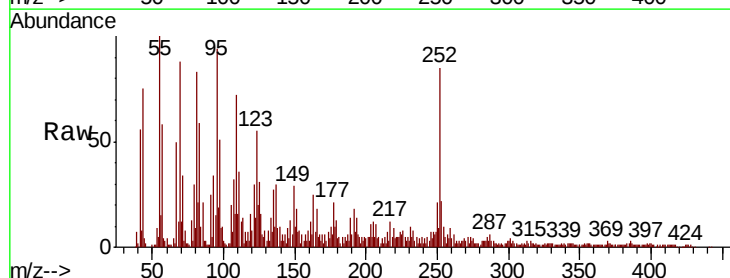
Instrument :
BNA_F
ClientSampleId :

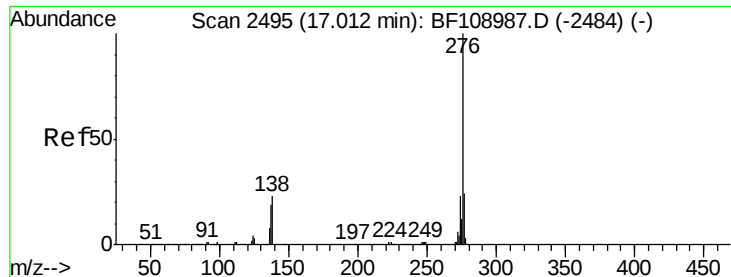
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	25.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.565 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.03 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.1	25.7
125	36.1	9.8	14.6

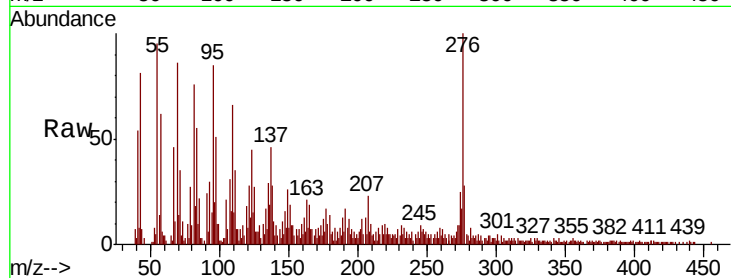




#91
 Benzo(a,h,i)perylene
 Concen: 7.164 ng
 RT: 17.07 min Scan# 2504
 Delta R.T. 0.05 min
 Lab File: BF109143.D
 Acq: 19 Sep 2018 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.9	26.9
138	28.4	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

