

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113247.D
 Acq On : 22 Mar 2019 21:10
 Operator : JU/SJ
 Sample : K2024-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

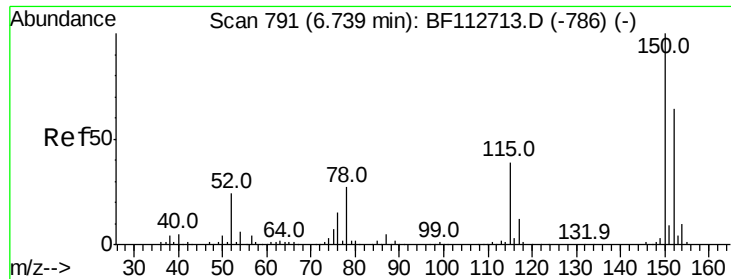
Quant Time: Mar 22 23:29:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	156166	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	588004	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	268362	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	413243	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	400433	20.00	ng	0.00
87) Perylene-d12	15.27	264	419918	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	212149	21.13	ng	-0.02
7) Phenol-d6	6.36	99	565322	44.83	ng	-0.02
23) Nitrobenzene-d5	7.27	82	345124	35.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	27942	9.81	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	651896	34.16	ng	-0.02
79) Terphenyl-d14	12.80	244	506927	24.54	ng	-0.02

Target Compounds				Qvalue		
10) Phenol	6.37	94	40388	2.744	ng	95
25) Isophorone	7.27	82	340532	16.086	ng	# 66
31) Naphthalene	8.02	128	270979	9.282	ng	99
33) 4-Chloroaniline	8.02	127	35996	2.911	ng	# 34
37) 2-Methylnaphthalene	8.71	142	52612	2.791	ng	98
50) Dimethylphthalate	9.46	163	52646	2.661	ng	# 98
52) Acenaphthene	9.78	154	82901	4.886	ng	98
54) 2,4-Dinitrophenol	10.04	184	112	6.514	ng	# 23
55) Dibenzofuran	9.95	168	112457	4.560	ng	96
58) Fluorene	10.29	166	116215	6.639	ng	98
65) 4,6-Dinitro-2-methylphenol	10.56	198	825	5.052	ng	# 46
71) Phenanthrene	11.25	178	928290	45.149	ng	100
72) Anthracene	11.30	178	246550	11.456	ng	97
73) Carbazole	11.46	167	142165	6.771	ng	99
75) Fluoranthene	12.44	202	1017547	46.193	ng	97
78) Pyrene	12.66	202	868241	25.720	ng	99
80) Butylbenzylphthalate	13.29	149	290062	19.466	ng	89
81) Benzo(a)anthracene	13.85	228	467229	16.835	ng	98
83) Chrysene	13.89	228	432546	15.911	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	214276	9.246	ng	# 89
88) Benzo(b)fluoranthene	14.87	252	749899	27.609	ng	98
89) Benzo(k)fluoranthene	14.87	252	749899	30.480	ng	99
90) Benzo(a)pyrene	15.22	252	401093	16.695	ng	97
91) Dibenzo(a,h)anthracene	16.64	278	52213	2.547	ng	# 88
92) Benzo(g,h,i)perylene	17.04	276	192265	9.340	ng	95

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

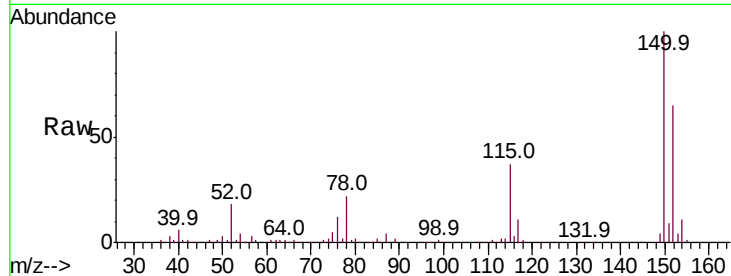


#1

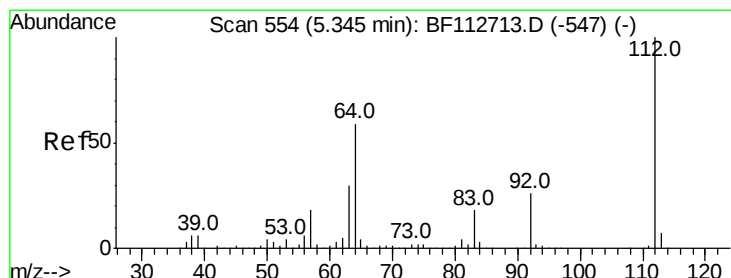
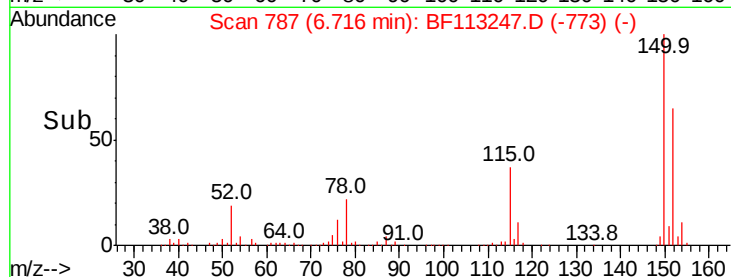
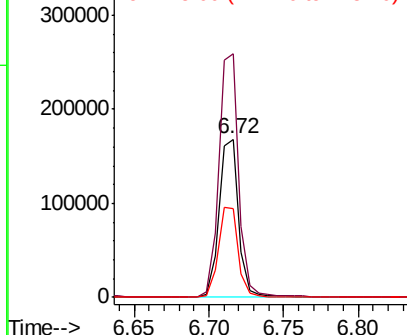
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156166
Ion Ratio Lower Upper
152 100
150 154.0 124.2 186.2
115 56.4 48.2 72.4



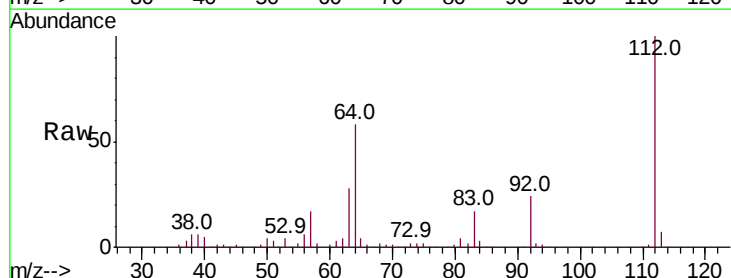
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



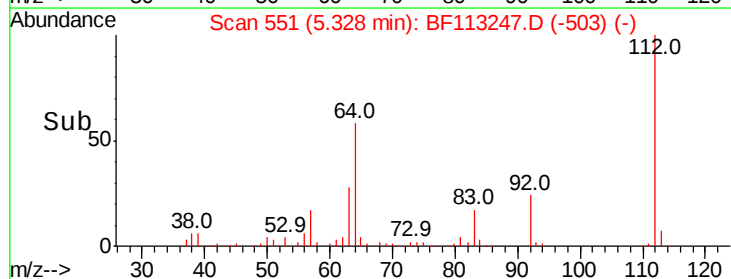
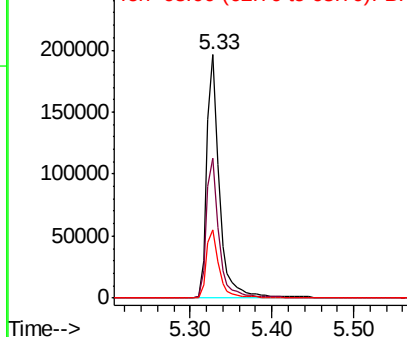
#5

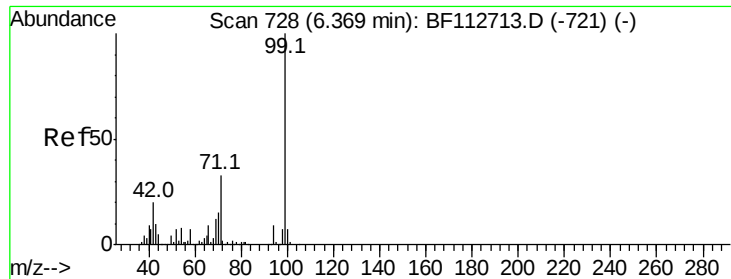
2-Fluorophenol
Concen: 21.132 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Tgt Ion:112 Resp: 212149
Ion Ratio Lower Upper
112 100
64 57.7 47.6 71.4
63 28.2 24.4 36.6



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: 44.828 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :

BNA_F

ClientSampleId :

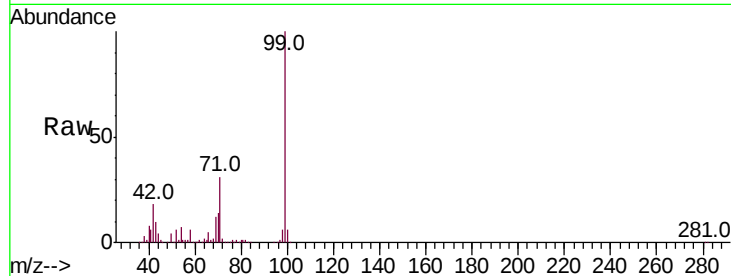
Tot Ion: 99 Resp: 565322

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

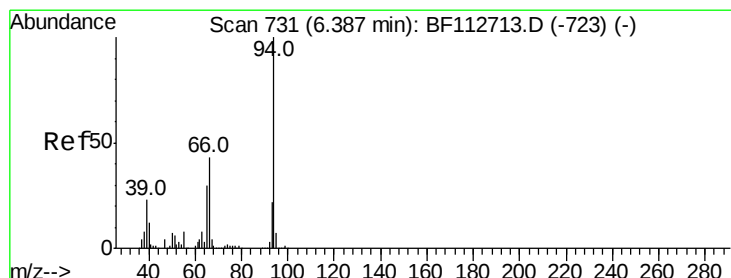
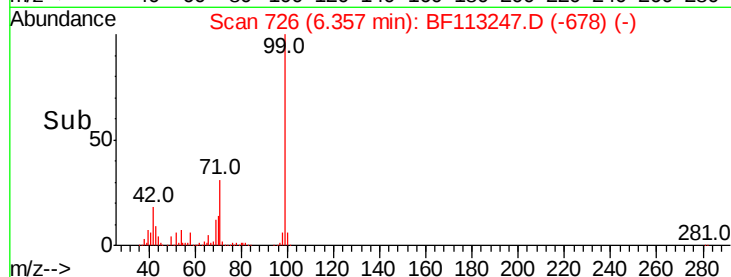
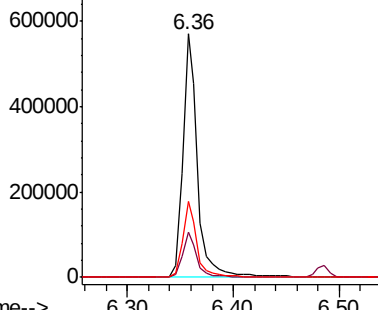
71 31.2 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.744 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

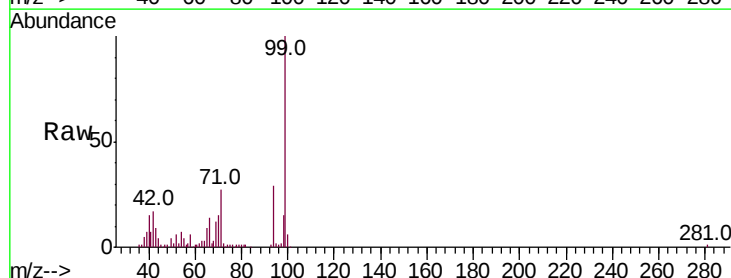
Tgt Ion: 94 Resp: 40388

Ion Ratio Lower Upper

94 100

65 29.7 10.5 50.5

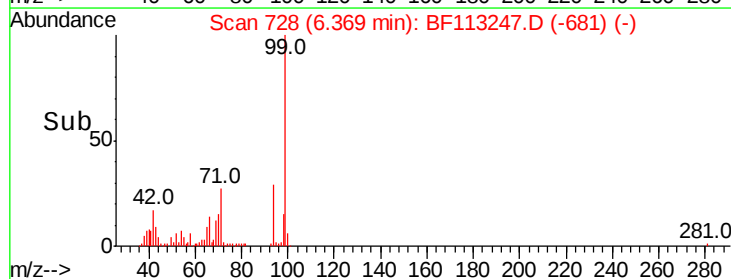
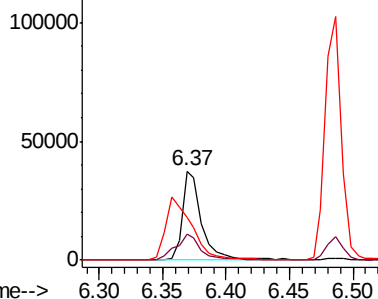
66 47.5 22.6 62.6

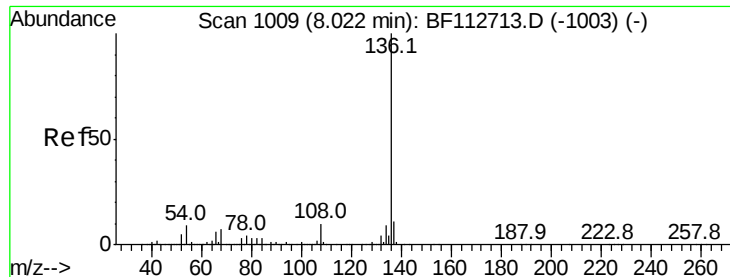


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

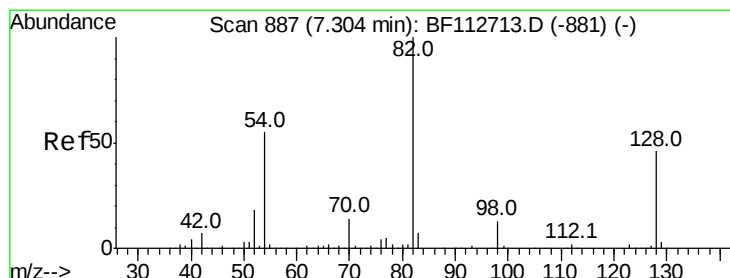
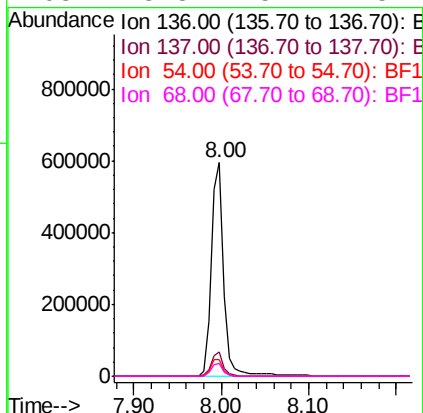
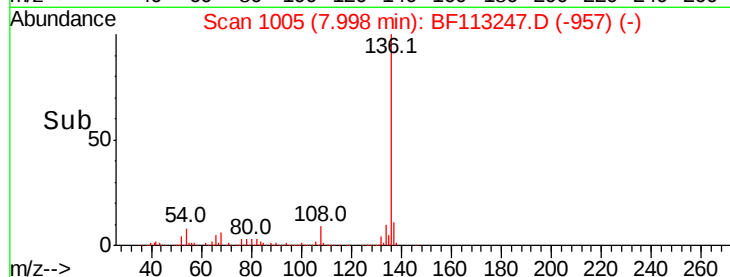
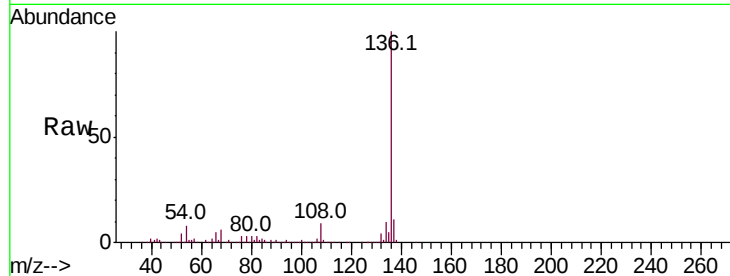




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

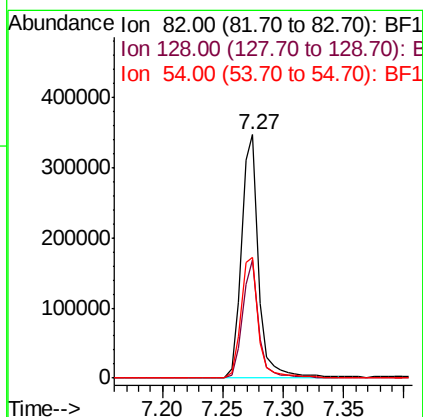
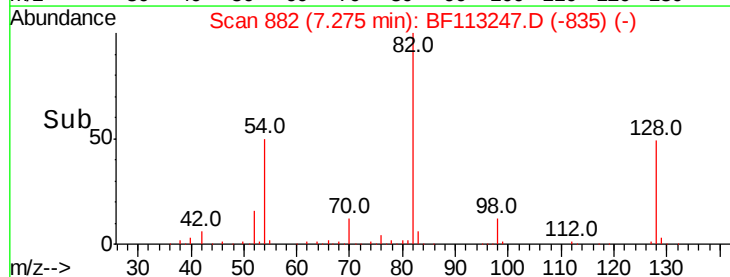
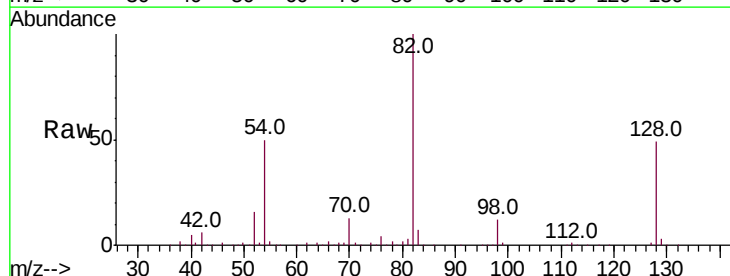
Instrument :
BNA_F
ClientSampleId :

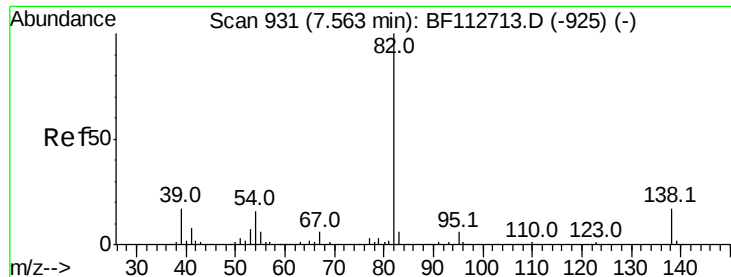
Tot Ion:	136	Resp:	588004
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.6	7.3	10.9
68	5.8	5.4	8.2



#23
Nitrobenzene-d5
Concen: 35.121 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Tgt Ion:	82	Resp:	345124
Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.3	54.5
54	49.6	43.7	65.5

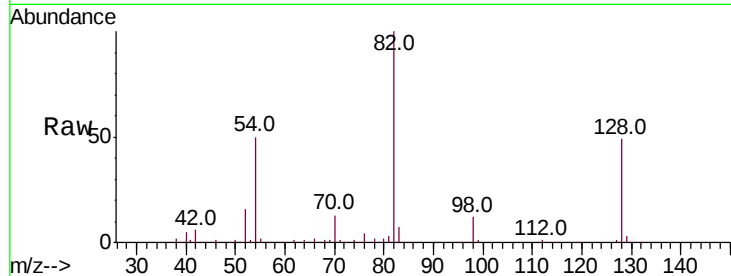




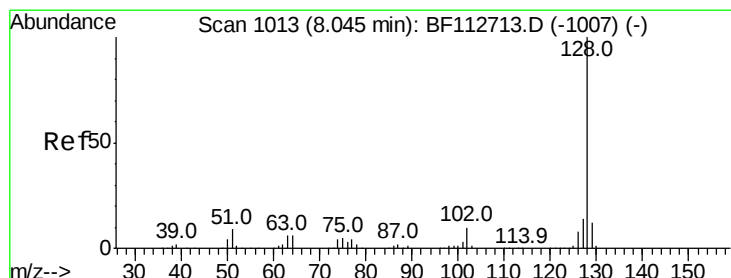
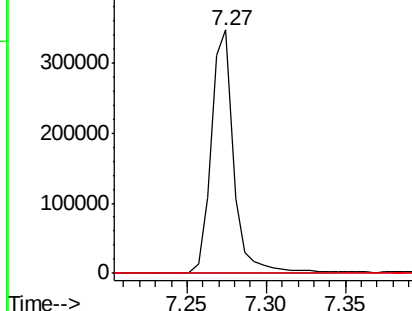
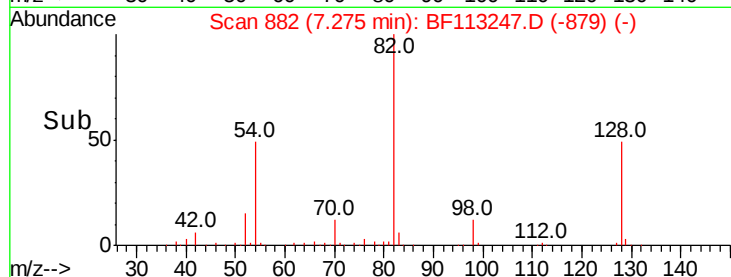
#25
Isophorone
Concen: 16.086 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.28 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 340532
Ion Ratio Lower Upper
82 100
95 0.2 5.2 7.8#
138 0.0 13.8 20.8#

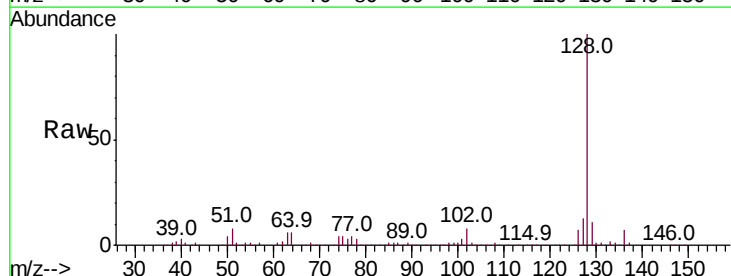


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

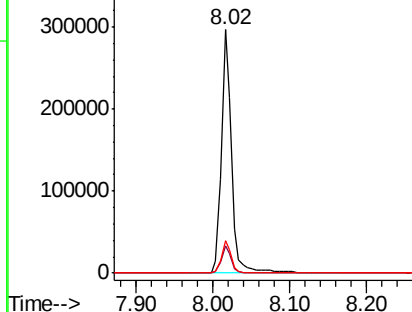
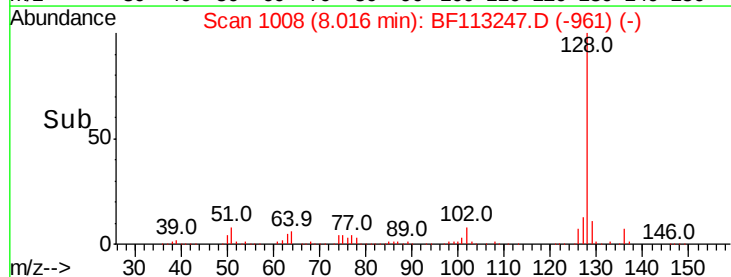


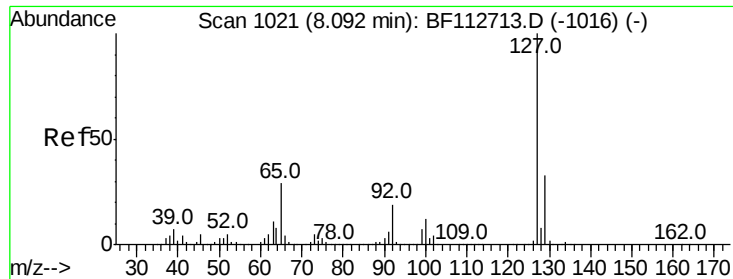
#31
Naphthalene
Concen: 9.282 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Tgt Ion: 128 Resp: 270979
Ion Ratio Lower Upper
128 100
129 11.1 9.3 13.9
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

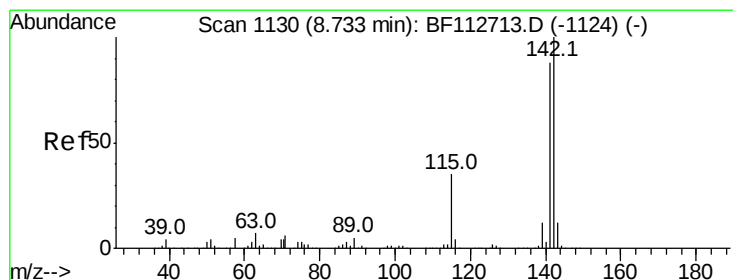
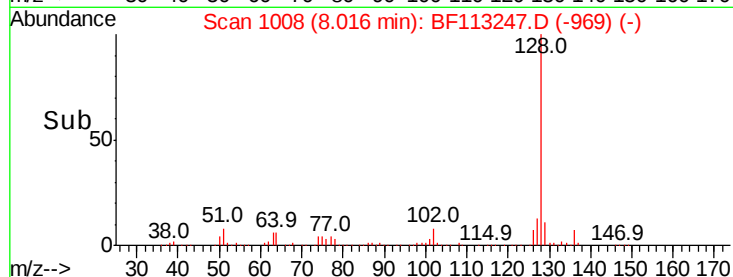
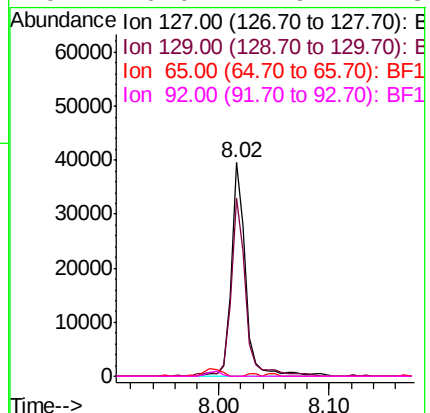
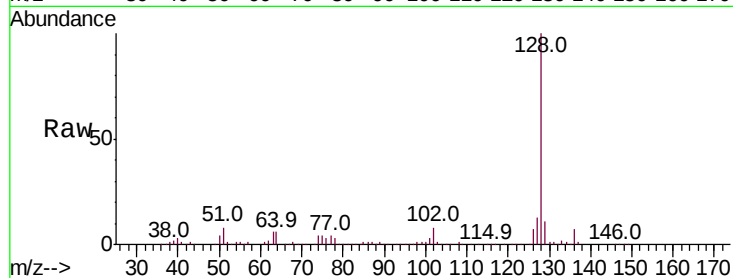




#33
4-Chloroaniline
Concen: 2.911 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.07 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

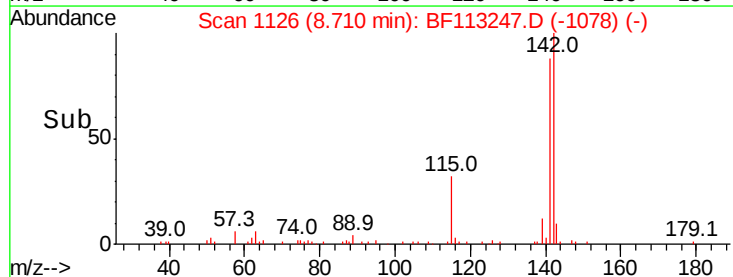
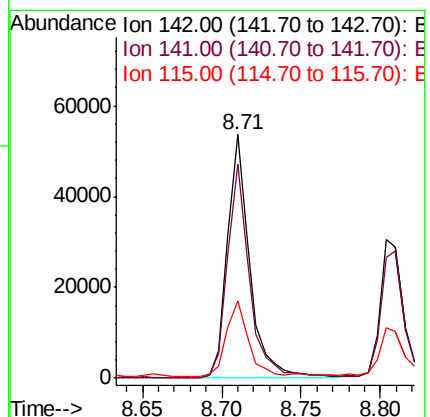
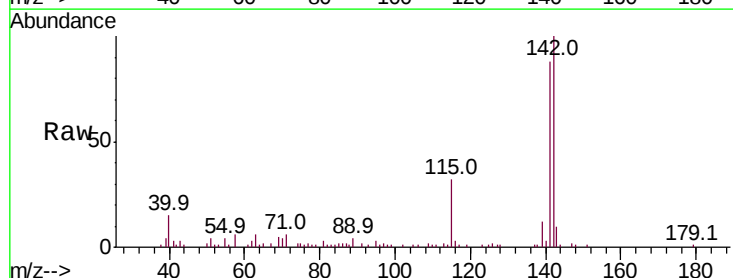
Instrument :
BNA_F
ClientSampleId :

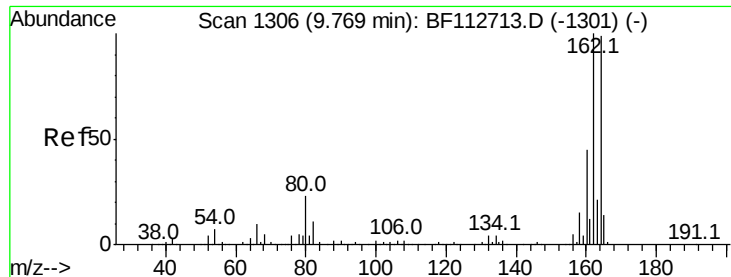
Tot Ion:127	Resp:	35996
Ion Ratio	Lower	Upper
127	100	
129	83.4	26.4 39.6#
65	0.0	23.1 34.7#
92	0.0	14.9 22.3#



#37
2-Methylnaphthalene
Concen: 2.791 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Tgt Ion:142	Resp:	52612
Ion Ratio	Lower	Upper
142	100	
141	87.9	70.3 105.5
115	31.6	27.8 41.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :

BNA_F

ClientSampleId :

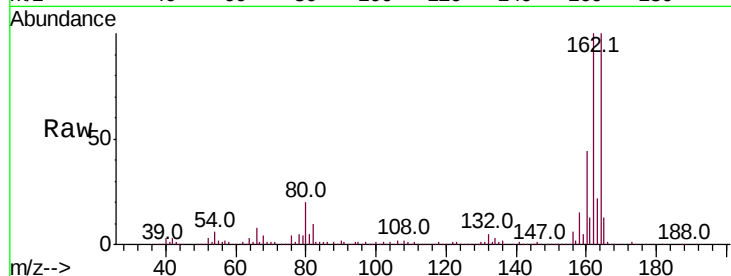
Tot Ion:164 Resp: 268362

Ion Ratio Lower Upper

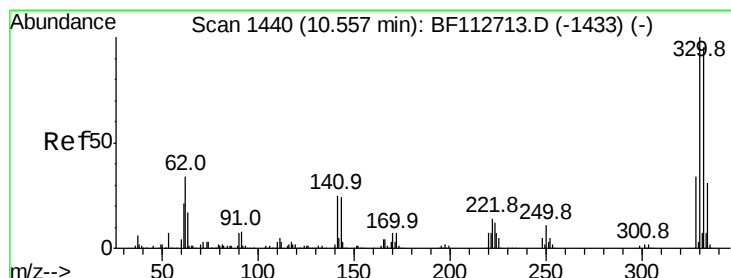
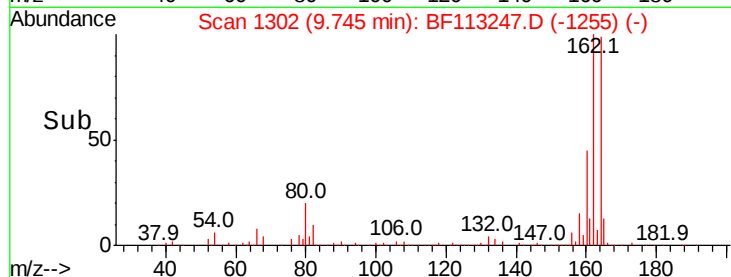
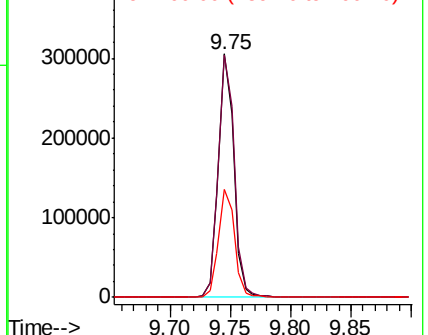
164 100

162 99.5 80.6 120.8

160 44.4 36.0 54.0



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



#42

2,4,6-Tribromophenol

Concen: 9.808 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

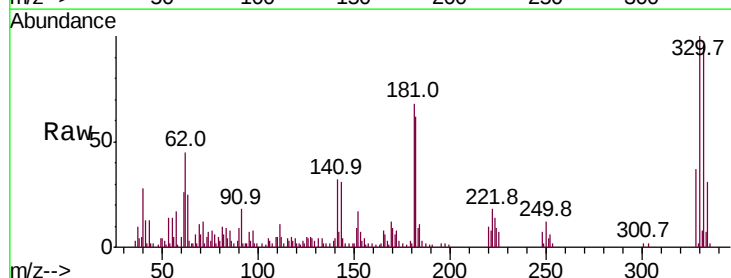
Tgt Ion:330 Resp: 27942

Ion Ratio Lower Upper

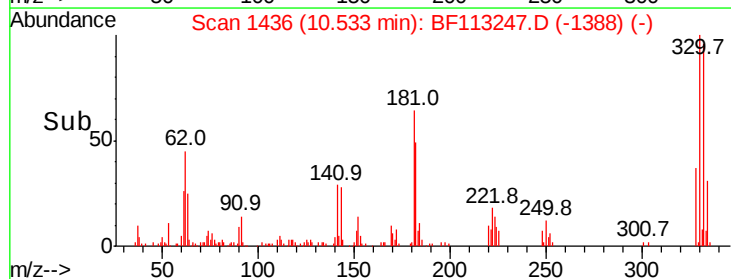
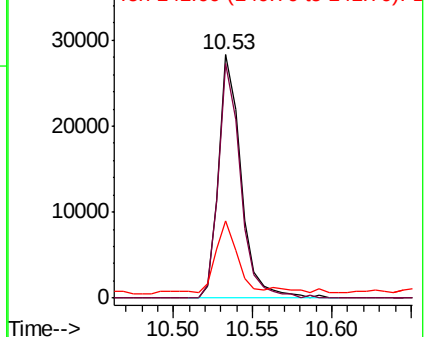
330 100

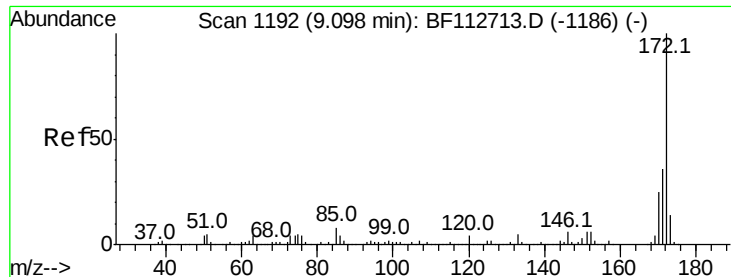
332 94.6 76.2 114.4

141 28.0 27.0 40.6



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

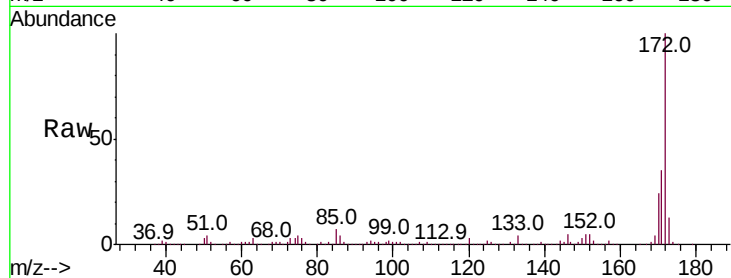




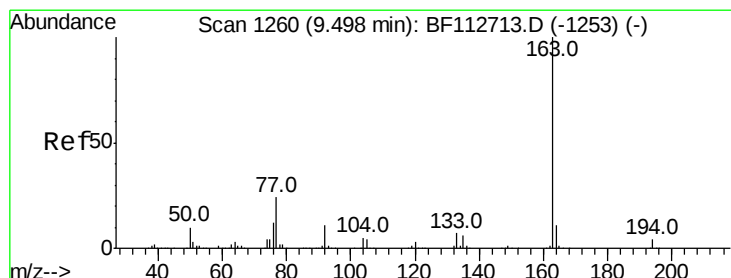
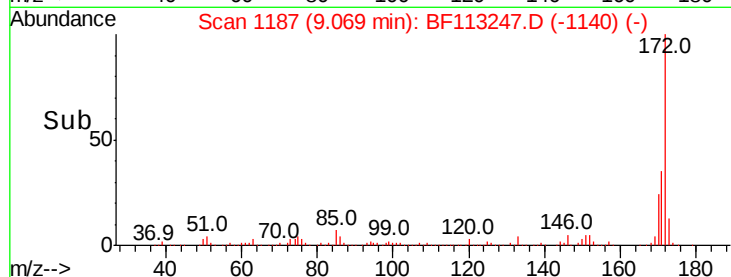
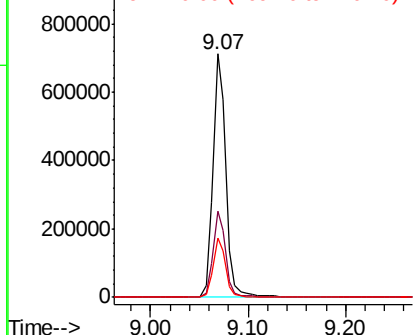
#45
 2-Fluorobiphenyl
 Concen: 34.159 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF113247.D
 Acq: 22 Mar 2019 21:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	24.1	20.0	30.0

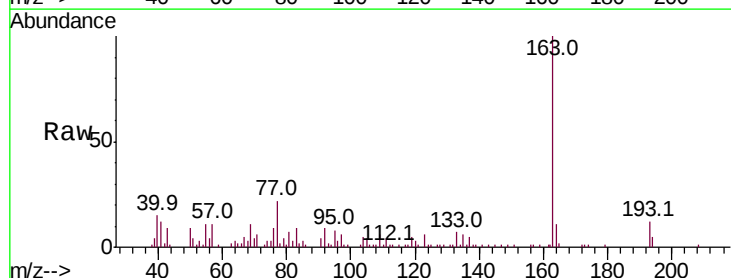


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

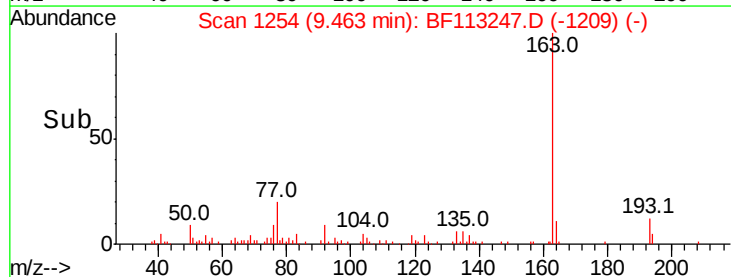
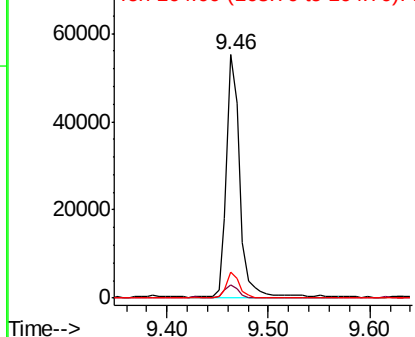


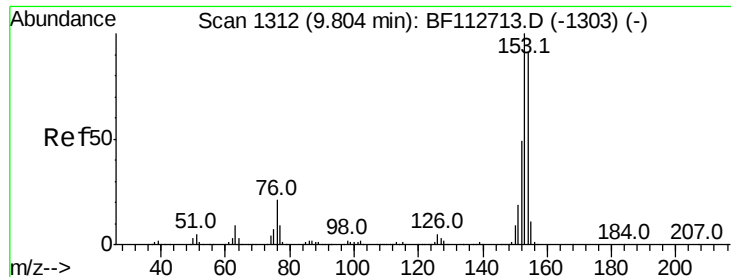
#50
 Dimethylphthalate
 Concen: 2.661 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.04 min
 Lab File: BF113247.D
 Acq: 22 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.0	4.4#
164	10.9	8.4	12.6



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





#52

Acenaphthene

Concen: 4.886 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :

BNA_F

ClientSampleId :

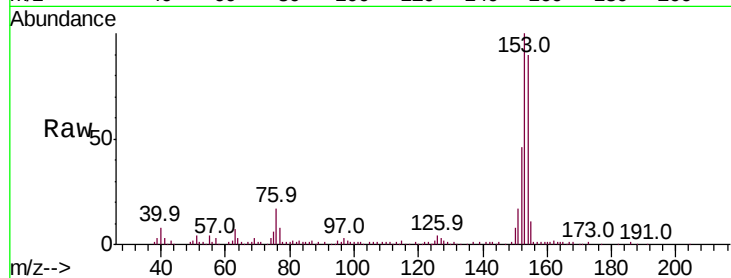
Tot Ion:154 Resp: 82901

Ion Ratio Lower Upper

154 100

153 111.5 87.8 131.8

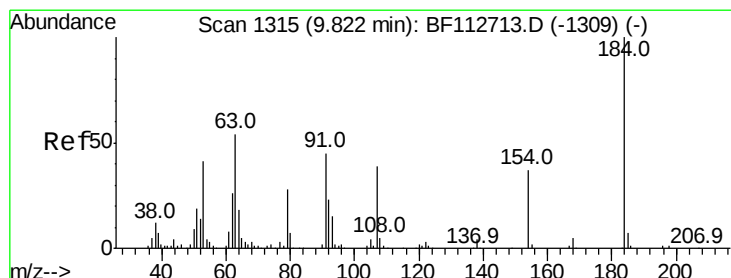
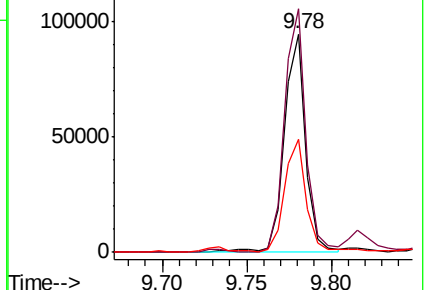
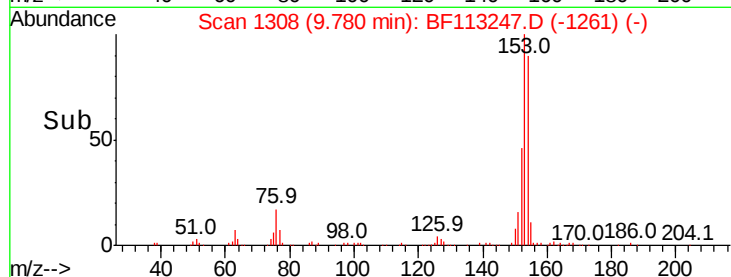
152 51.6 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 6.514 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.21 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

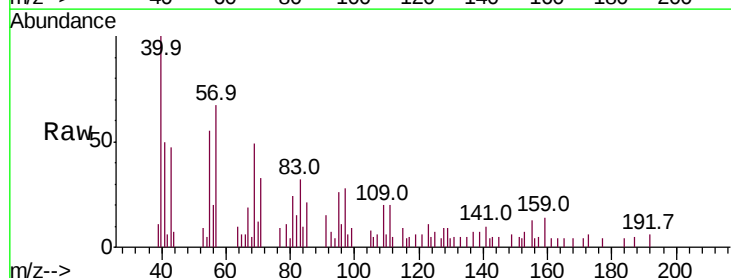
Tgt Ion:184 Resp: 112

Ion Ratio Lower Upper

184 100

63 0.0 45.3 67.9#

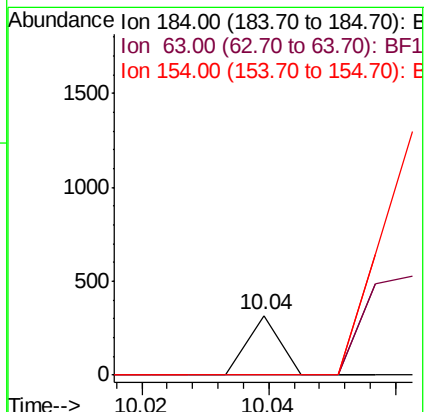
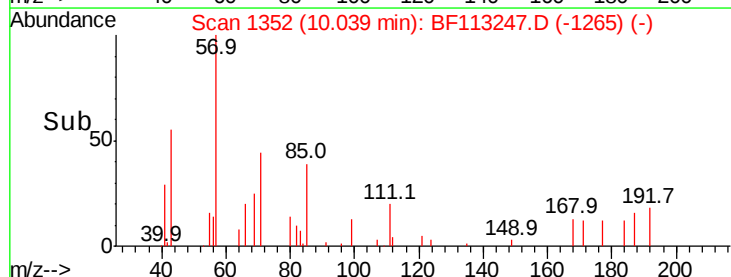
154 0.0 46.0 69.0#

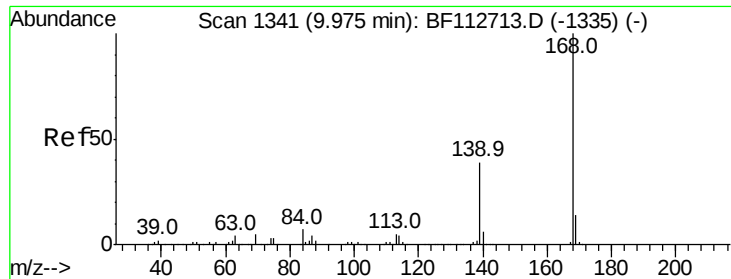


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

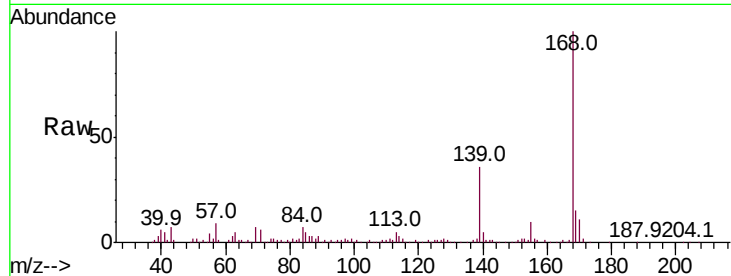




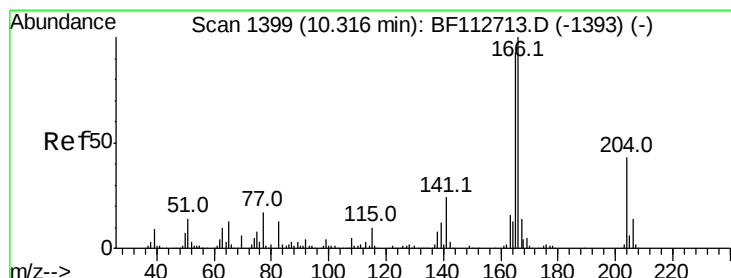
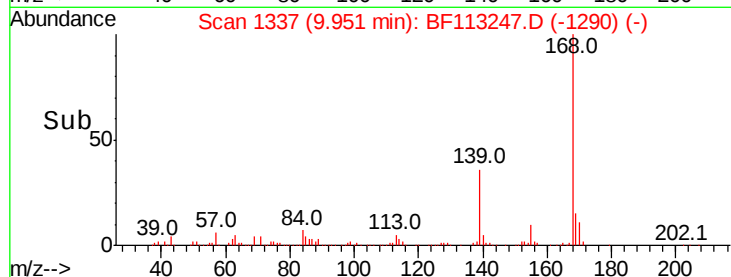
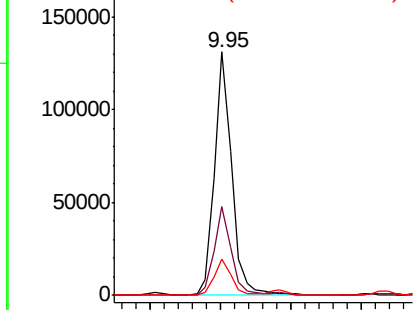
#55
Dibenzofuran
Concen: 4.560 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	31.3	46.9
169	14.9	11.3	16.9

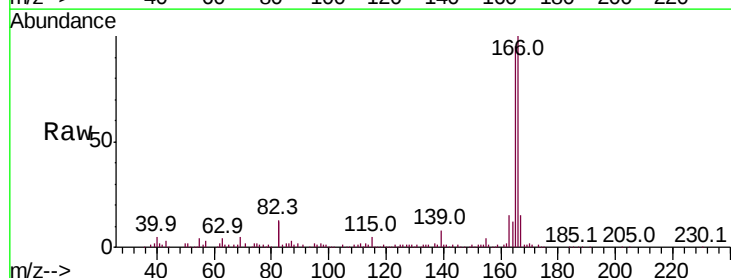


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

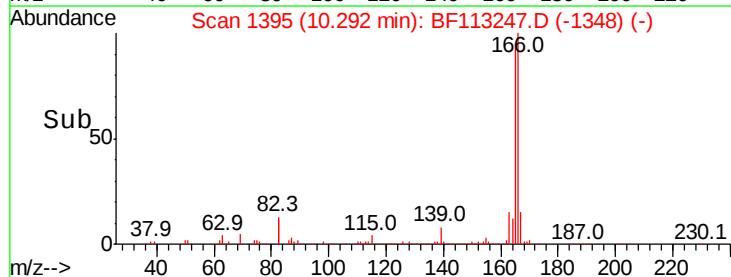
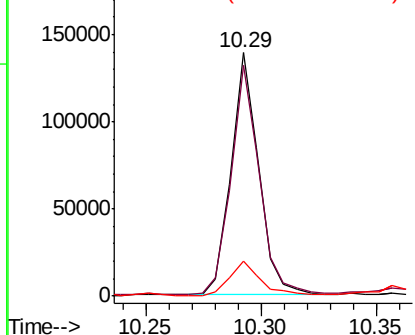


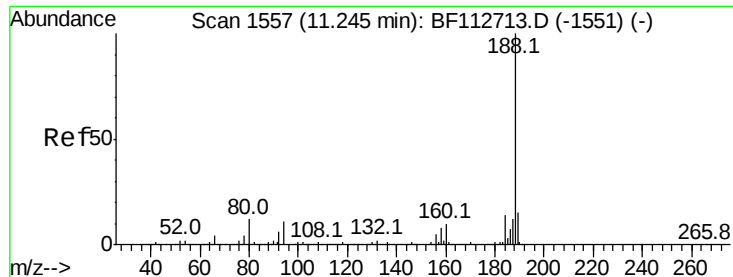
#58
Fluorene
Concen: 6.639 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.9	74.7	112.1
167	14.5	11.0	16.6



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :

BNA_F

ClientSampleId :

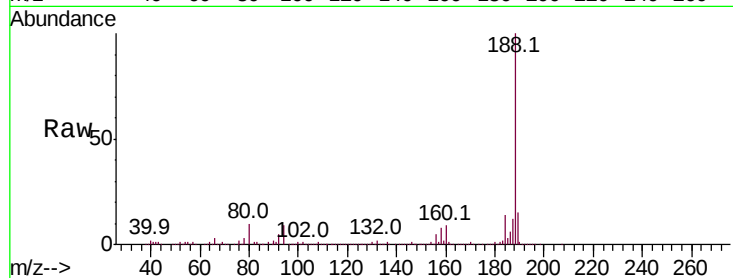
Tot Ion:188 Resp: 413243

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.4

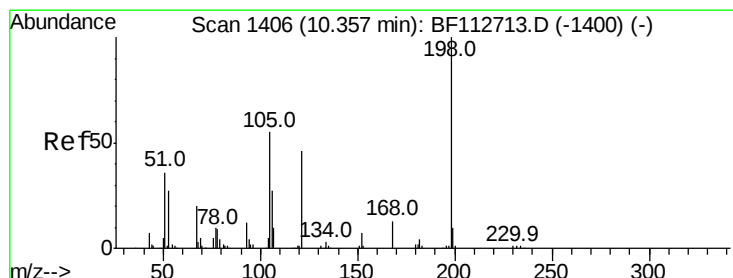
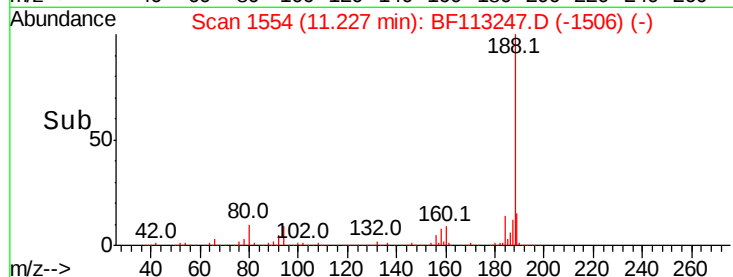
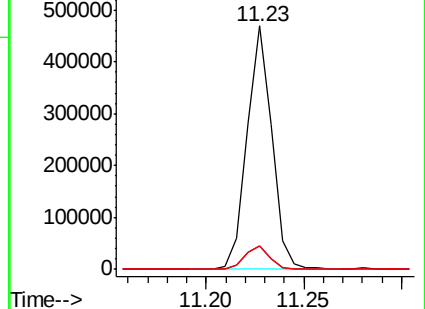
80 9.9 9.2 13.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.052 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.20 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

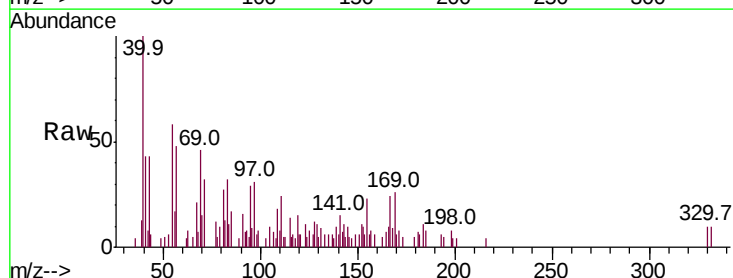
Tgt Ion:198 Resp: 825

Ion Ratio Lower Upper

198 100

51 69.9 43.8 83.8

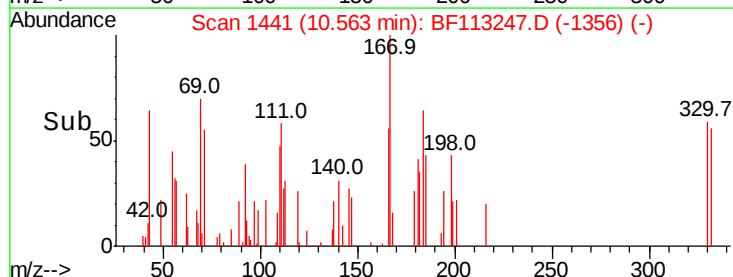
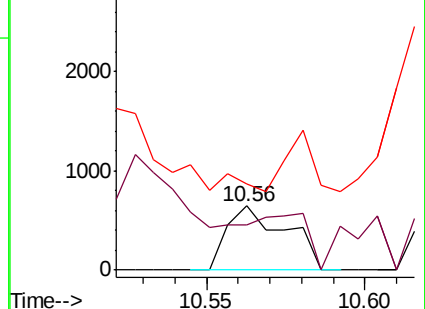
105 134.0 36.5 76.5#

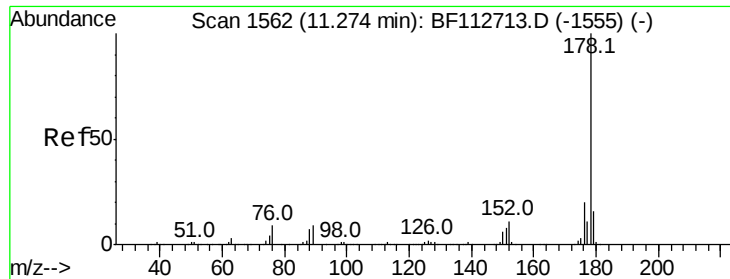


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

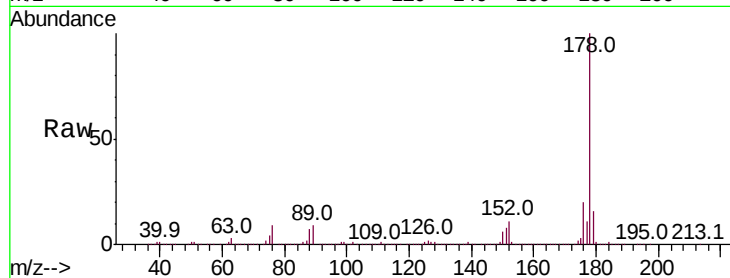




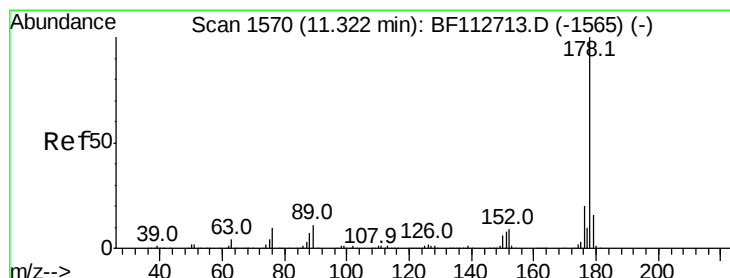
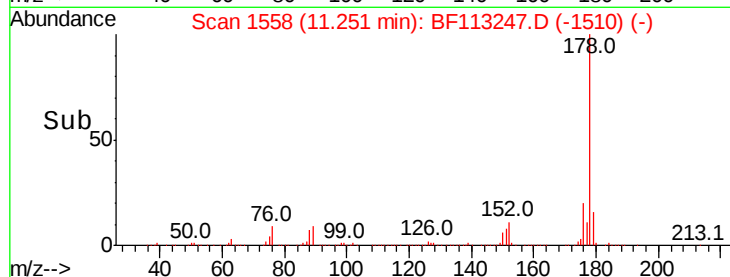
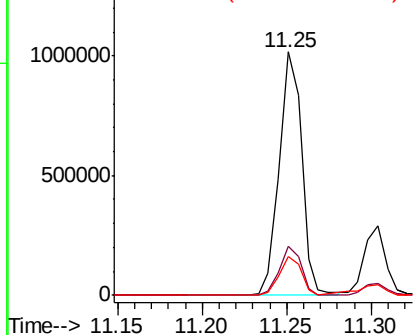
#71
Phenanthrene
Concen: 45.149 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 928290
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 15.9 12.7 19.1

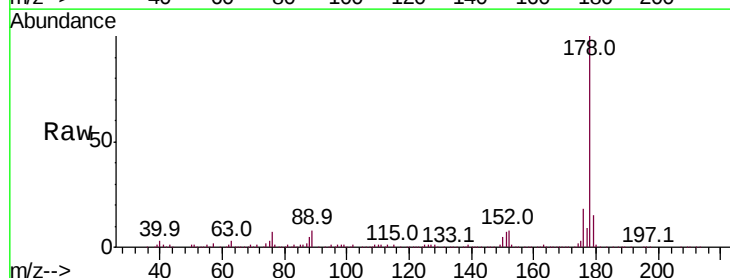


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

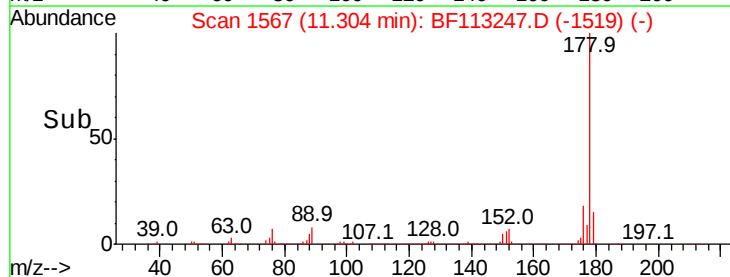
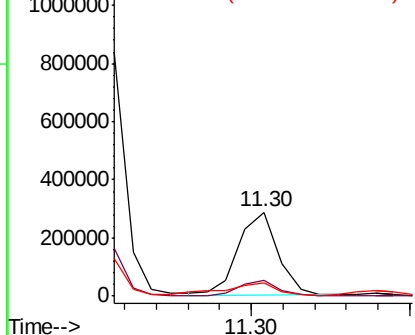


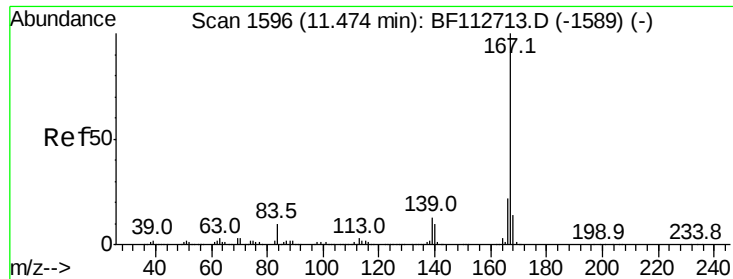
#72
Anthracene
Concen: 11.456 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Tgt Ion:178 Resp: 246550
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.4 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

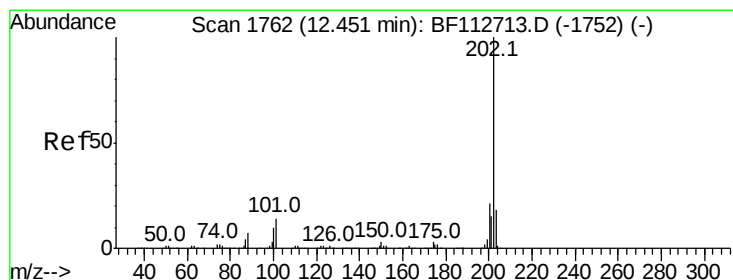
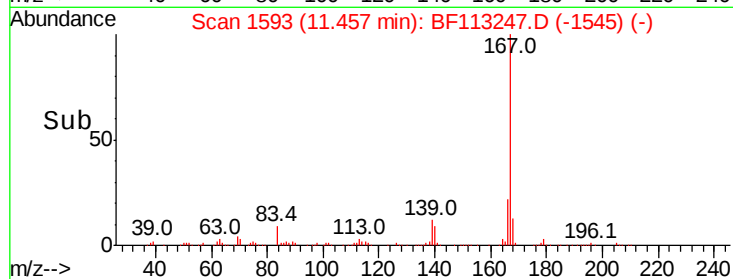
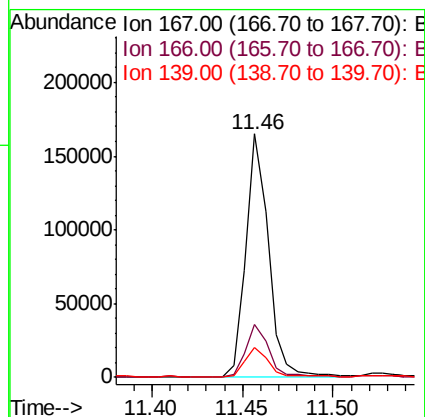
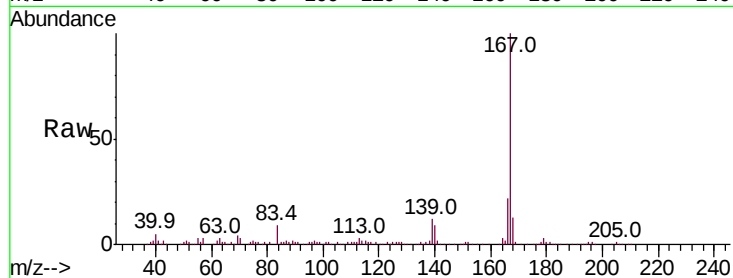




#73
 Carbazole
 Concen: 6.771 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.02 min
 Lab File: BF113247.D
 Acq: 22 Mar 2019 21:10

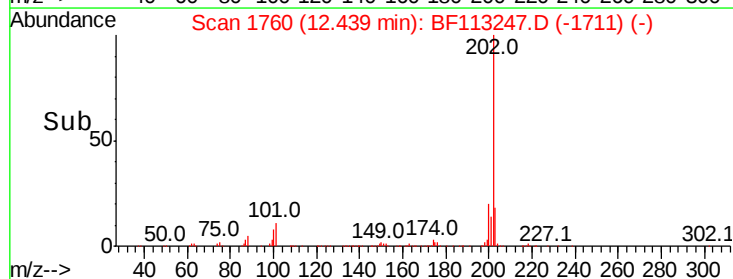
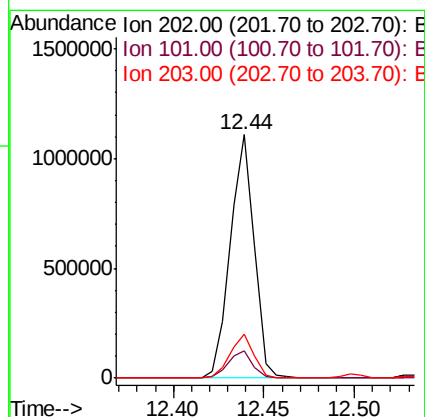
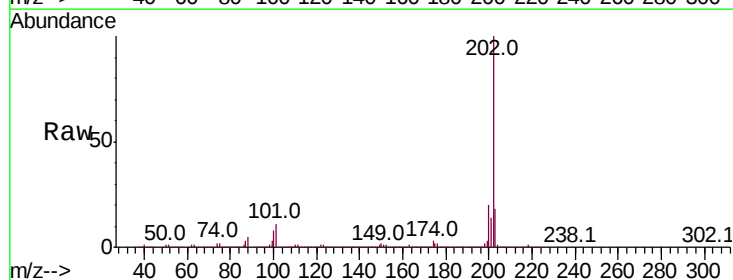
Instrument :
 BNA_F
 ClientSampleId :

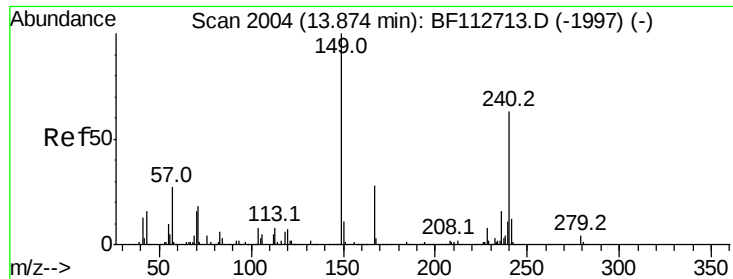
Tot Ion:167 Resp: 142165
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.5 26.3
 139 12.2 10.8 16.2



#75
 Fluoranthene
 Concen: 46.193 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF113247.D
 Acq: 22 Mar 2019 21:10

Tgt Ion:202 Resp: 1017547
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 33.8
 203 17.9 0.0 38.4

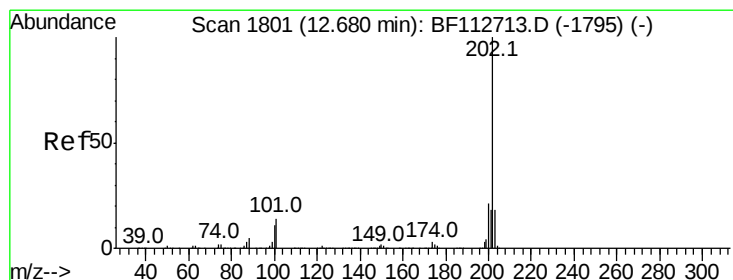
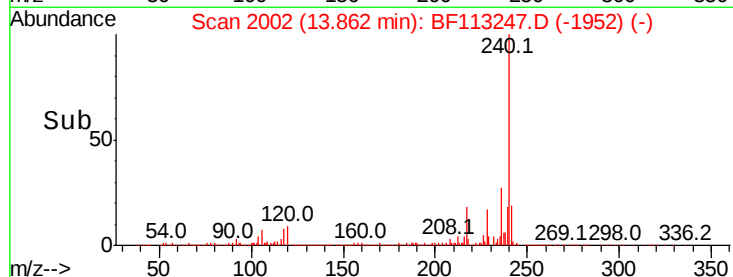
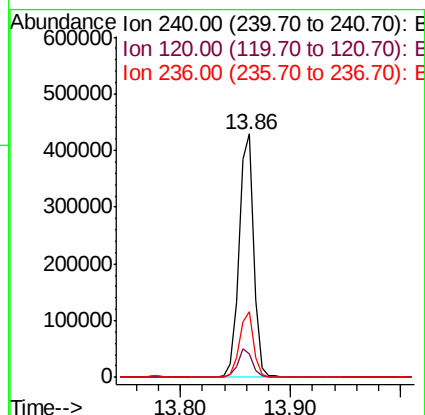
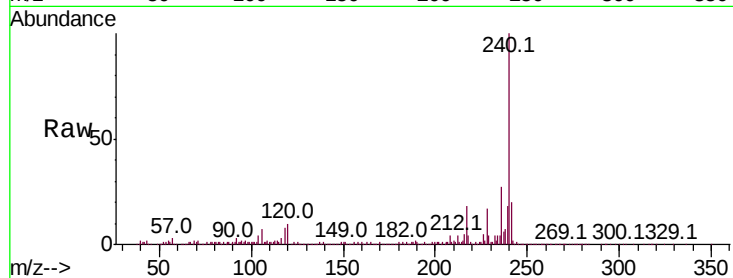




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

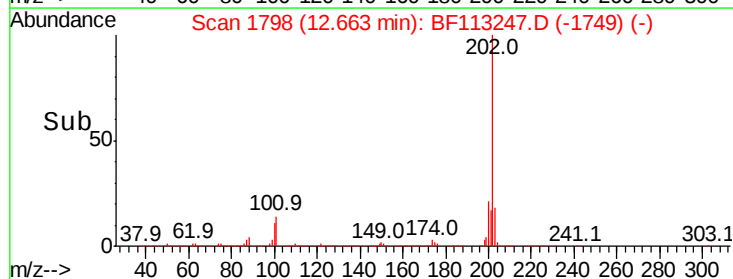
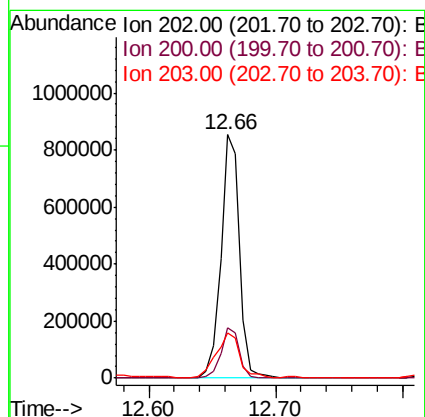
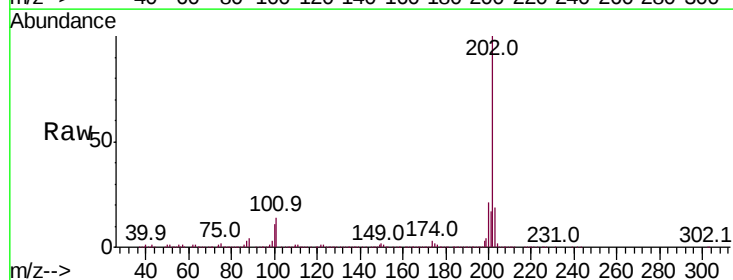
Instrument :
BNA_F
ClientSampled :

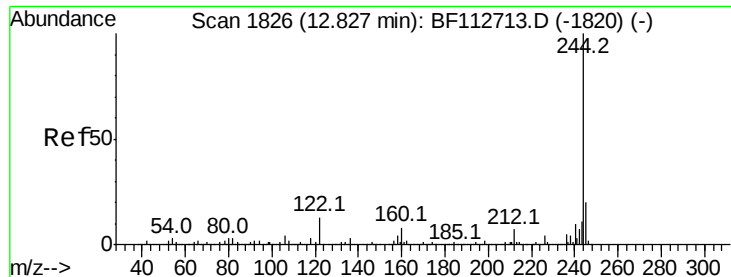
Tot Ion:240 Resp: 400433
Ion Ratio Lower Upper
240 100
120 9.6 8.9 13.3
236 26.8 20.7 31.1



#78
Pyrene
Concen: 25.720 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113247.D
Acq: 22 Mar 2019 21:10

Tgt Ion:202 Resp: 868241
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 18.6 14.4 21.6





#79

Terphenyl-d14

Concen: 24.540 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.02 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :

BNA_F

ClientSampleId :

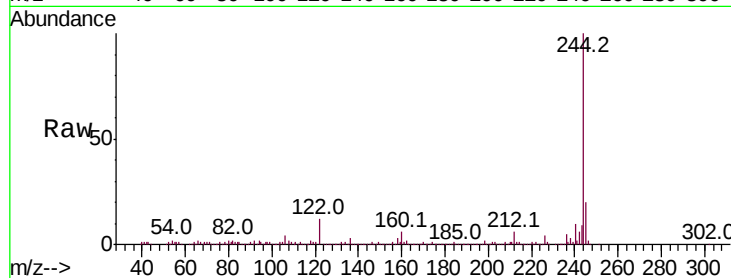
Tot Ion:244 Resp: 506927

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

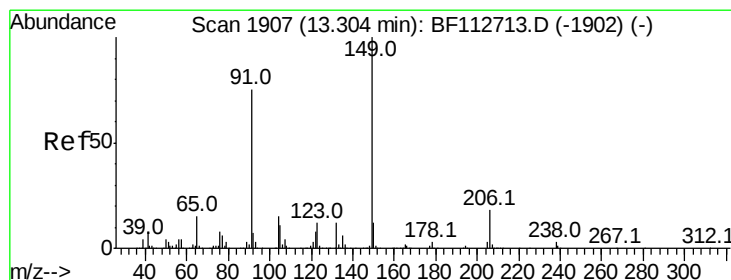
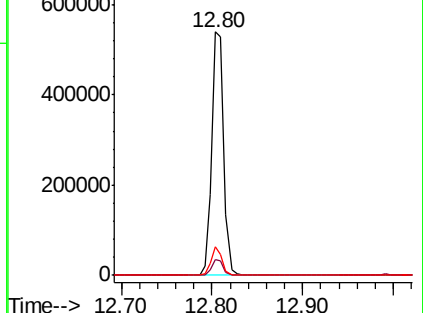
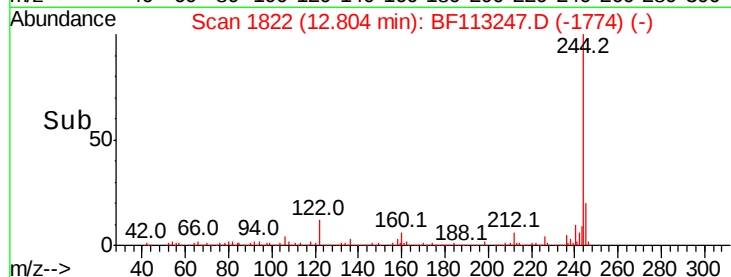
122 11.9 10.5 15.7



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

Butylbenzylphthalate

Concen: 19.466 ng

RT: 13.29 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

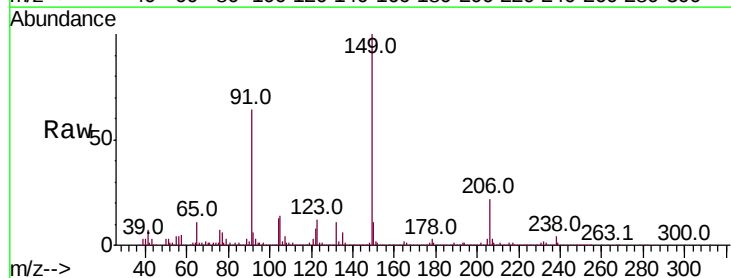
Tgt Ion:149 Resp: 290062

Ion Ratio Lower Upper

149 100

91 64.4 59.9 89.9

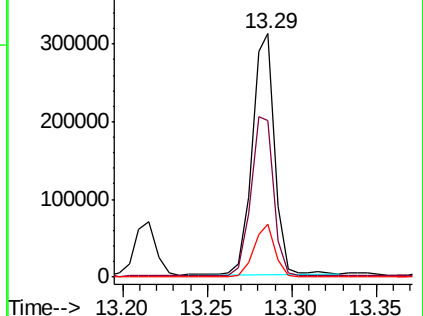
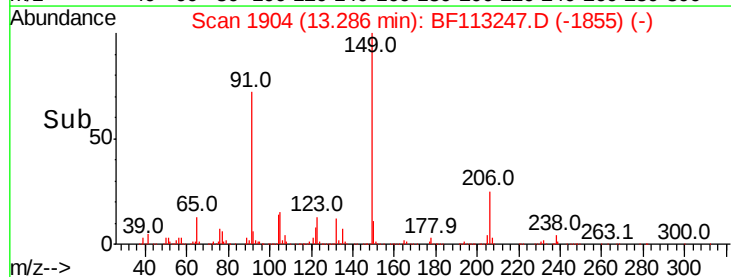
206 22.0 14.7 22.1

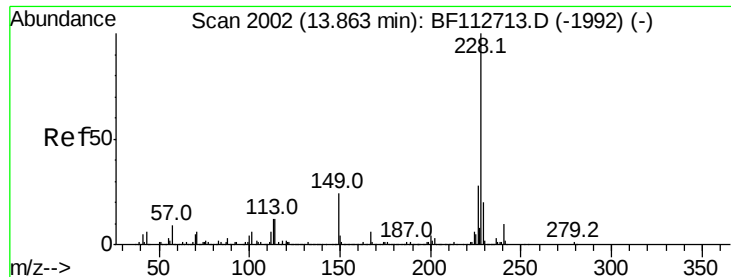


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 16.835 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :

BNA_F

ClientSampleId :

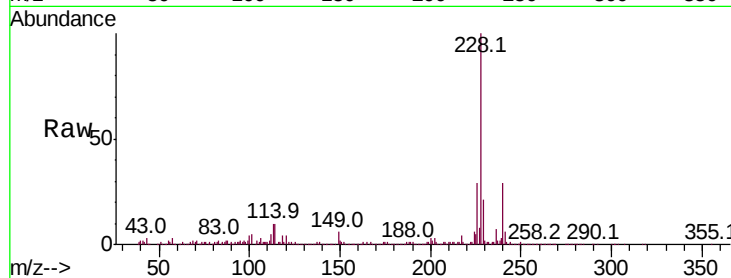
Tot Ion:228 Resp: 467229

Ion Ratio Lower Upper

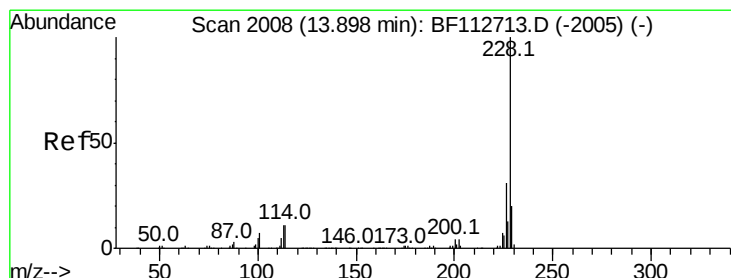
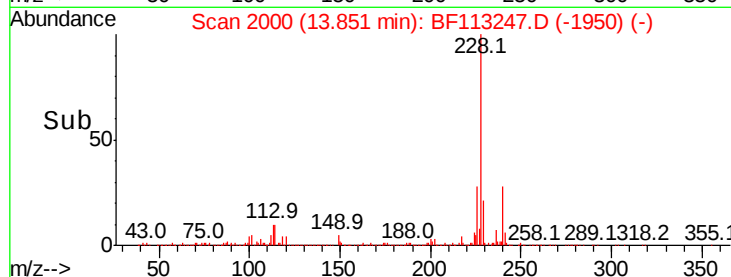
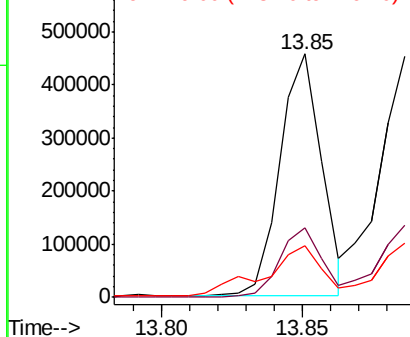
228 100

226 28.8 22.2 33.4

229 21.3 16.0 24.0



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



#83

Chrysene

Concen: 15.911 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

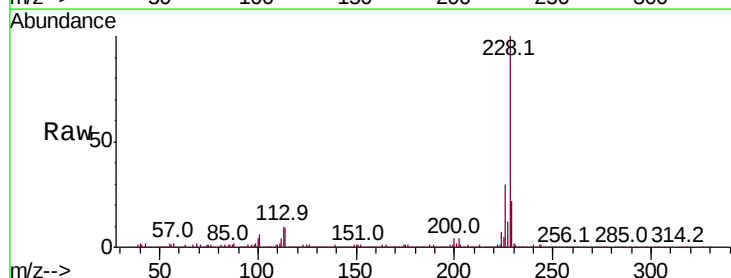
Tgt Ion:228 Resp: 432546

Ion Ratio Lower Upper

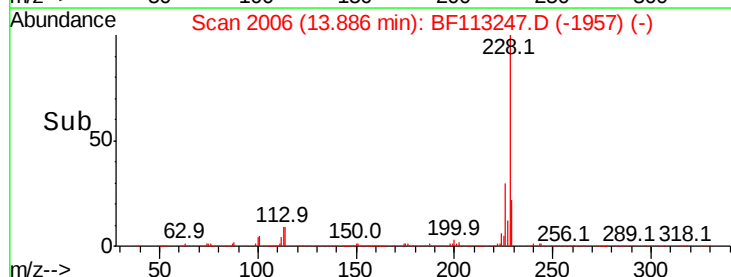
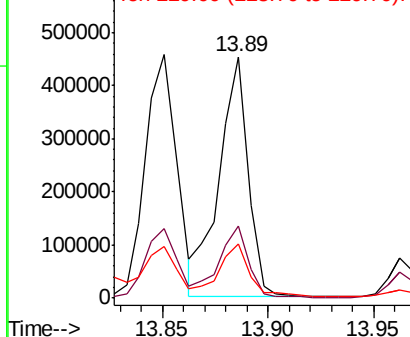
228 100

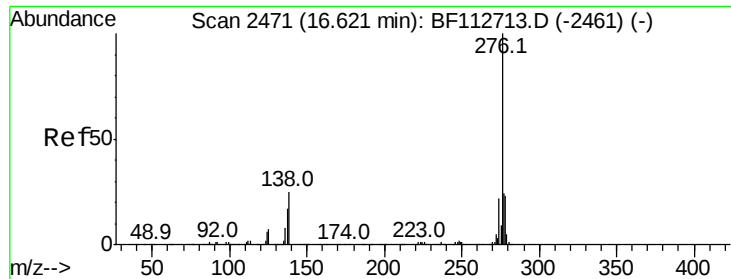
226 29.9 24.9 37.3

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

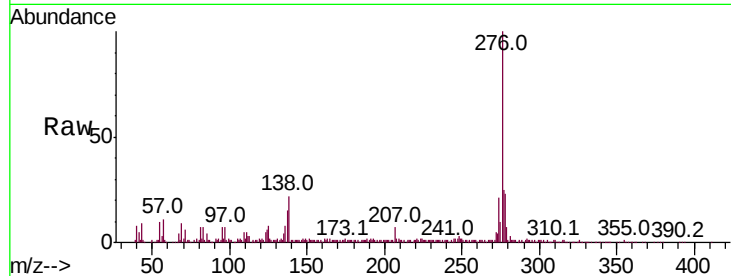




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.246 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF113247.D
 Acq: 22 Mar 2019 21:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	23.2	34.8#
277	22.8	19.9	29.9

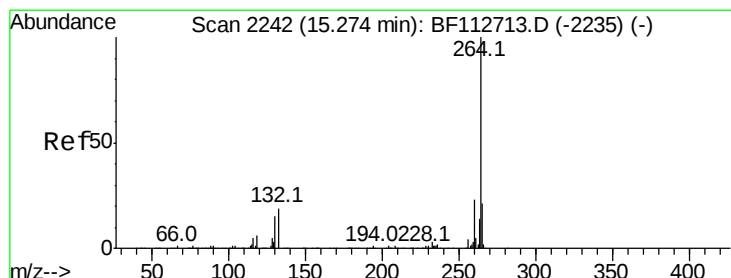
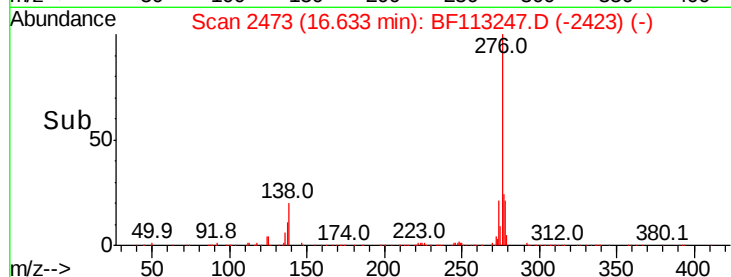
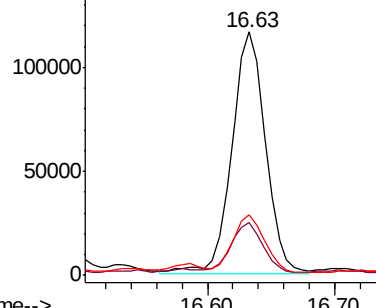


Abundance

Ion 276.00 (275.70 to 276.70): E

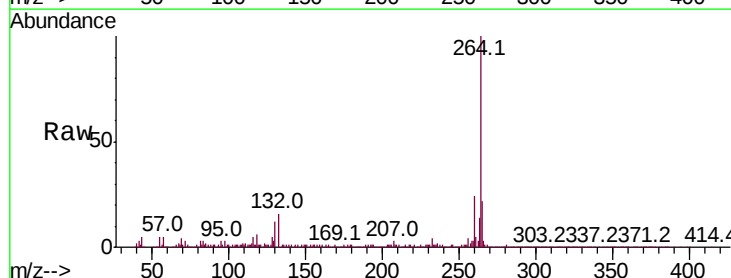
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF113247.D
 Acq: 22 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.9	17.2	25.8

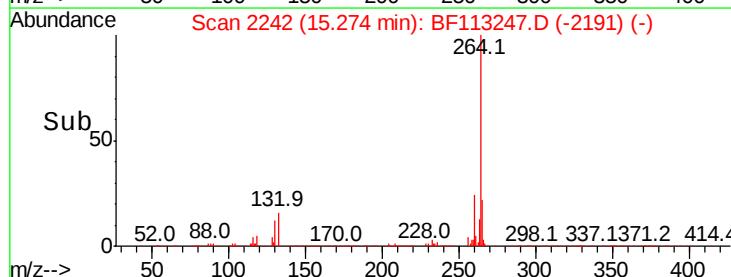
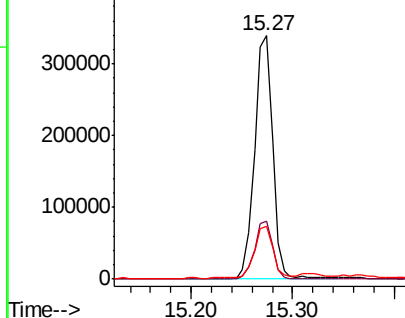


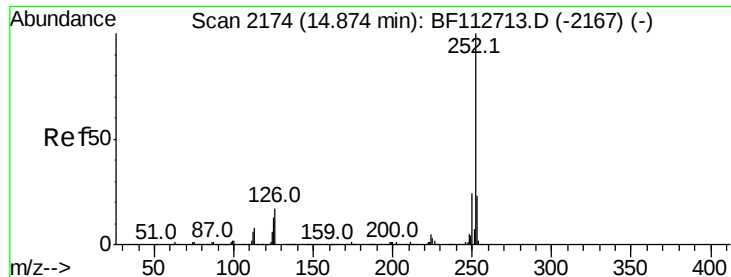
Abundance

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





#88

Benzo(b)fluoranthene

Concen: 27.609 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

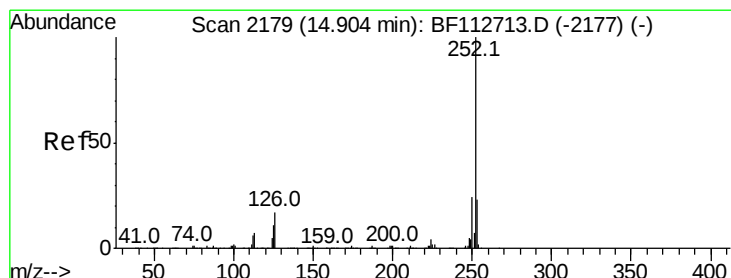
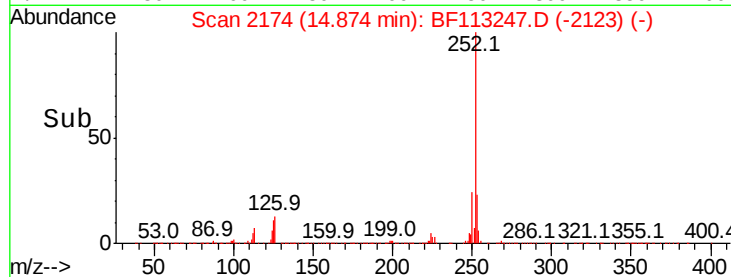
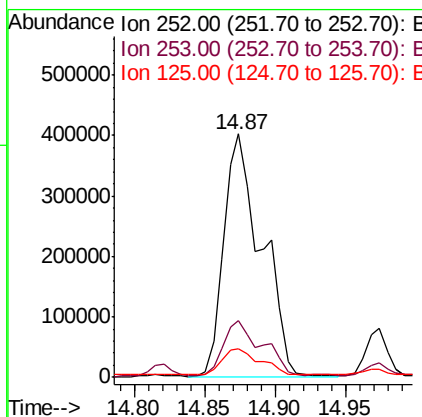
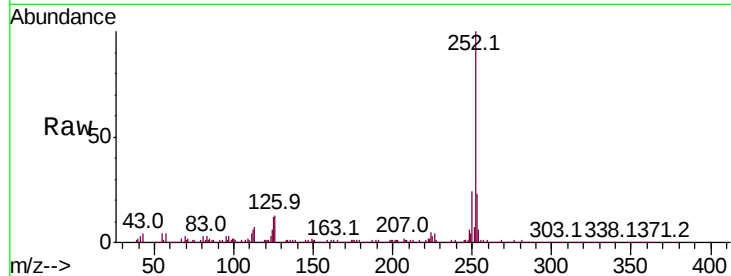
Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 749899

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.6	10.2	15.2



#89

Benzo(k)fluoranthene

Concen: 30.480 ng

RT: 14.87 min Scan# 2174

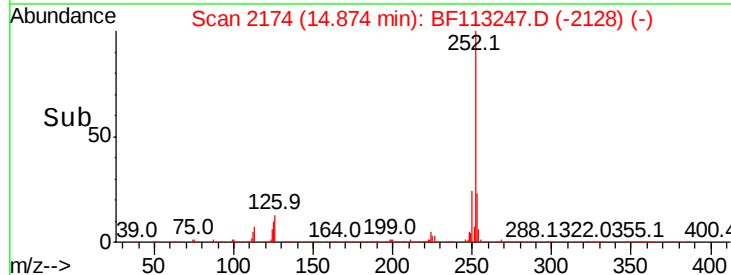
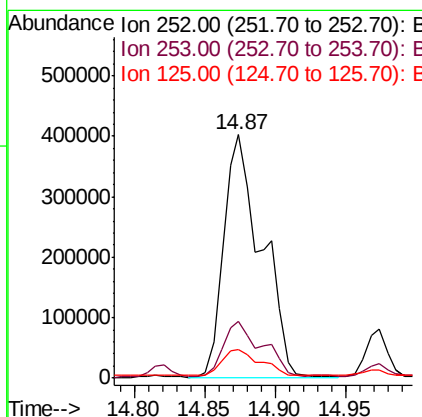
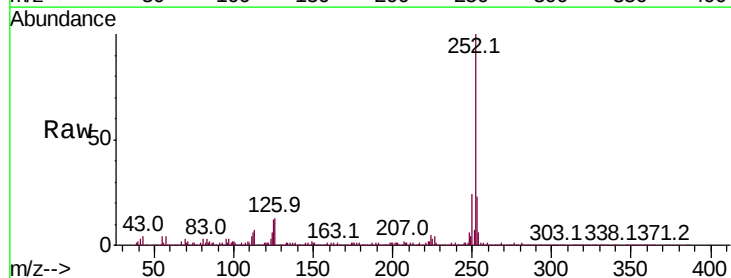
Delta R.T. -0.03 min

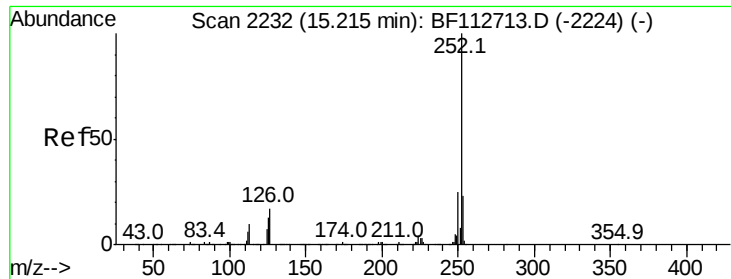
Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Tgt Ion:252 Resp: 749899

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	11.6	9.8	14.6





#90

Benzo(a)pyrene

Concen: 16.695 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

Instrument :

BNA_F

ClientSampleId :

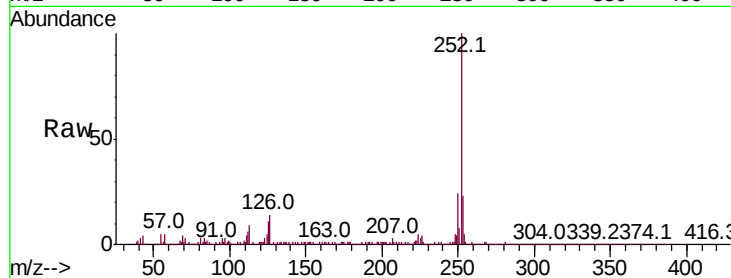
Tot Ion:252 Resp: 401093

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

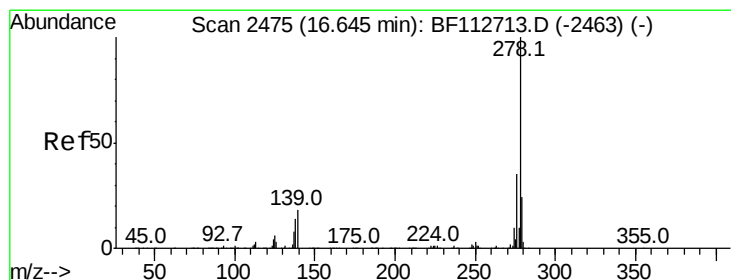
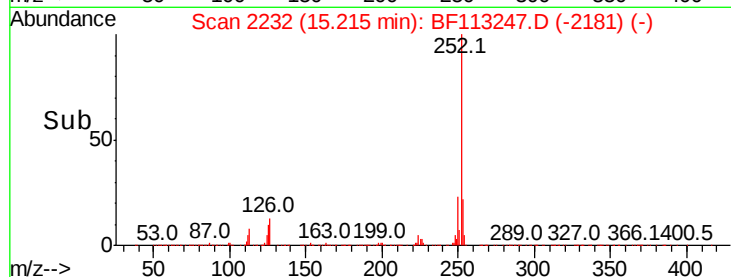
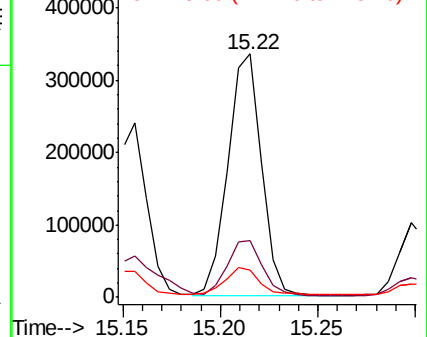
125 11.1 10.7 16.1



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



#91

Dibenzo(a,h)anthracene

Concen: 2.547 ng

RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF113247.D

Acq: 22 Mar 2019 21:10

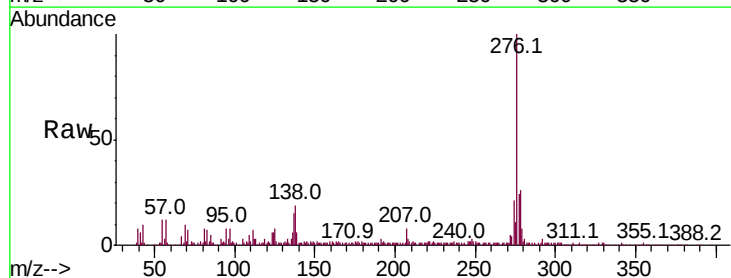
Tgt Ion:278 Resp: 52213

Ion Ratio Lower Upper

278 100

139 22.0 14.3 21.5#

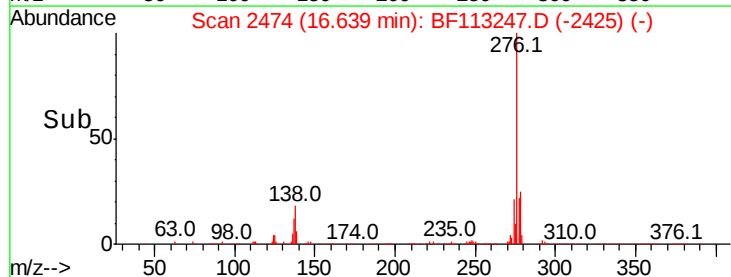
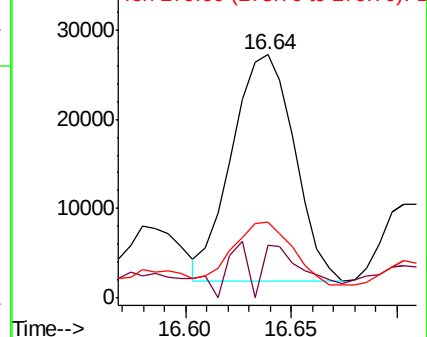
279 31.2 19.4 29.0#

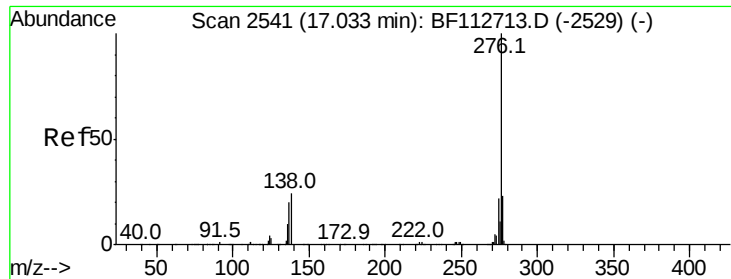


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 9.340 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BF113247.D
 Acq: 22 Mar 2019 21:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	27.8
138	20.4	19.4	29.0

