

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110185.D
 Acq On : 26 Oct 2018 2:35
 Operator : JU/SJ
 Sample : J5626-02MS 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 06:40:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	119815	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	451797	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	178225	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	290208	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	215635	20.00	ng	-0.01
87) Perylene-d12	15.68	264	160490	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	39284	5.34	ng	-0.02
7) Phenol-d6	6.58	99	51000	5.42	ng	-0.02
23) Nitrobenzene-d5	7.52	82	28600	3.75	ng	-0.03
42) 2,4,6-Tribromophenol	10.80	330	7192	4.07	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	56507	4.98	ng	-0.02
79) Terphenyl-d14	13.09	244	45910	4.43	ng	-0.02

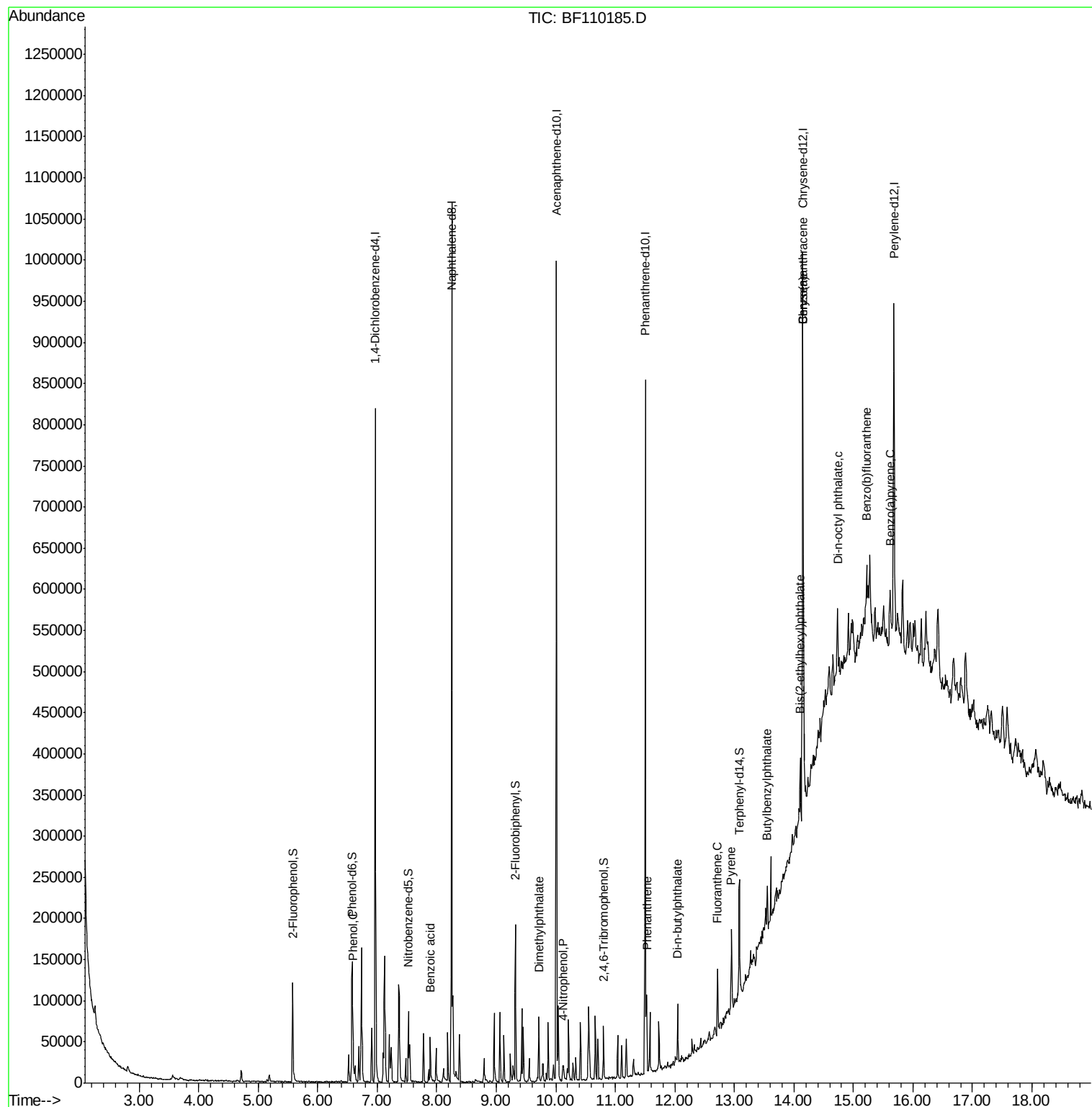
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.59	94	23021	2.288	ng	# 65
32) Benzoic acid	7.89	122	10606	2.212	ng	# 9
50) Dimethylphthalate	9.72	163	30333	2.306	ng	100
56) 4-Nitrophenol	10.12	139	5412	2.170	ng	92
71) Phenanthrene	11.53	178	31583	2.080	ng	98
74) Di-n-butylphthalate	12.05	149	34185	2.037	ng	98
75) Fluoranthene	12.72	202	33913	2.201	ng	100
78) Pyrene	12.95	202	35452	2.293	ng	97
80) Butylbenzylphthalate	13.56	149	14106	2.102	ng	97
81) Benzo(a)anthracene	14.14	228	27929	2.184	ng	95
83) Chrysene	14.14	228	27929	2.299	ng	96
84) Bis(2-ethylhexyl)phthalate	14.11	149	19958	2.200	ng	# 97
85) Di-n-octyl phthalate	14.73	149	29297	2.077	ng	# 86
88) Benzo(b)fluoranthene	15.22	252	21043	2.271	ng	# 70
90) Benzo(a)pyrene	15.61	252	17856	2.094	ng	# 59

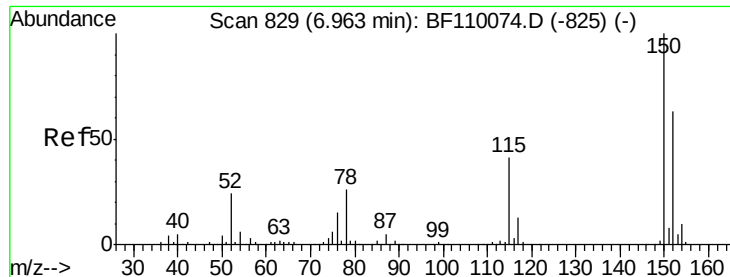
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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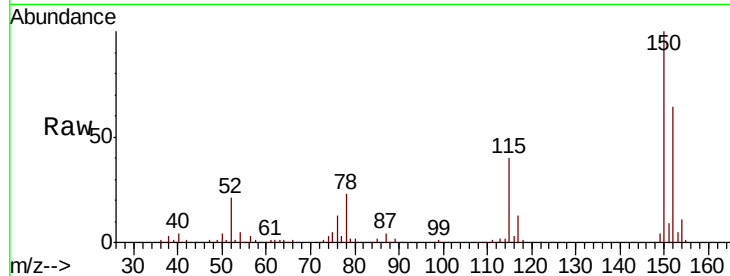


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110185.D
 Acq: 26 Oct 2018 2:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	122.7	184.1
115	62.8	49.1	73.7

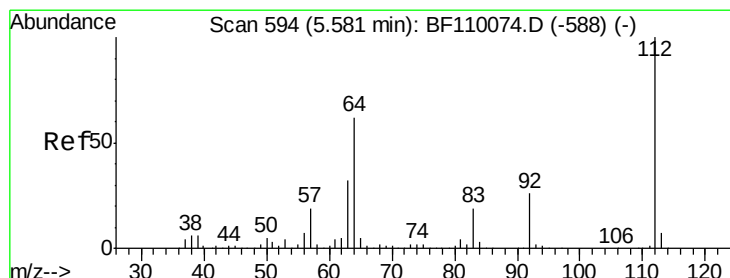
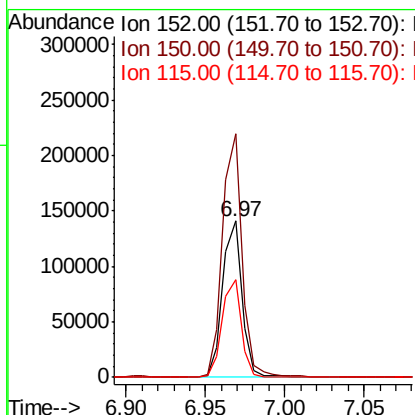
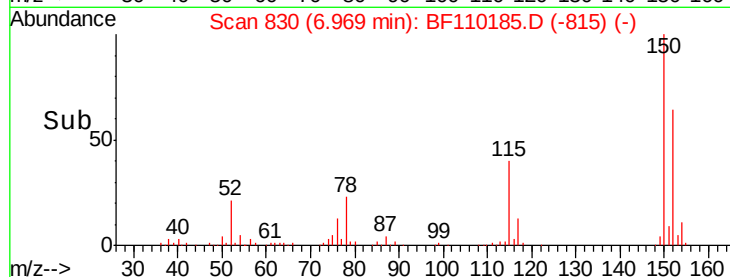


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

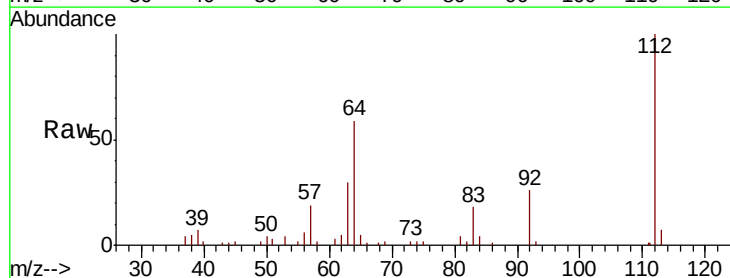
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 5.339 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110185.D
 Acq: 26 Oct 2018 2:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	44.1	66.1
63	29.7	23.7	35.5

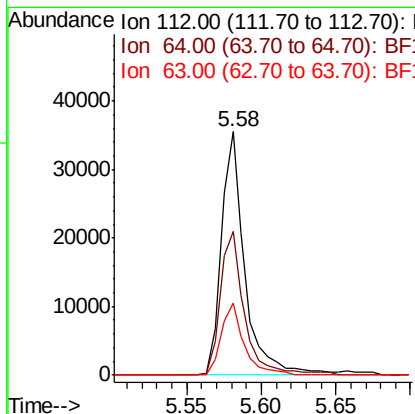
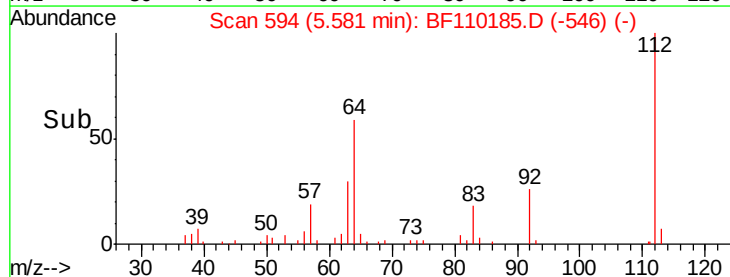


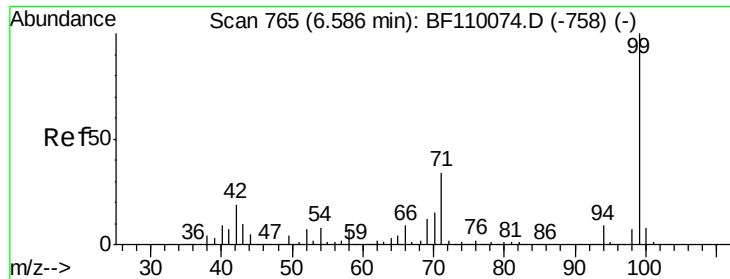
Abundance

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: 5.419 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

Instrument :

BNA_F

ClientSampleId :

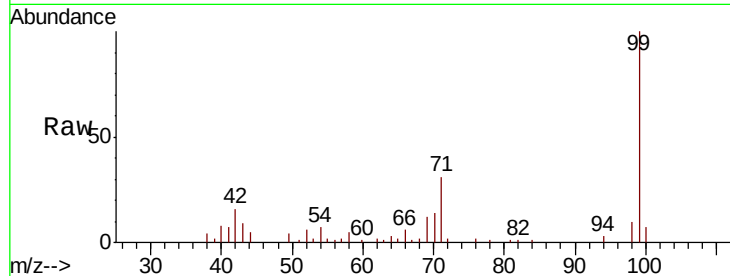
Tot Ion: 99 Resp: 51000

Ion Ratio Lower Upper

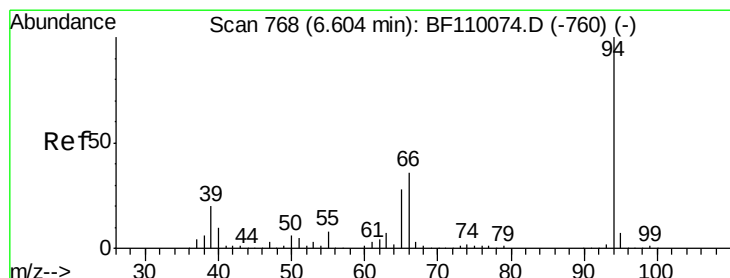
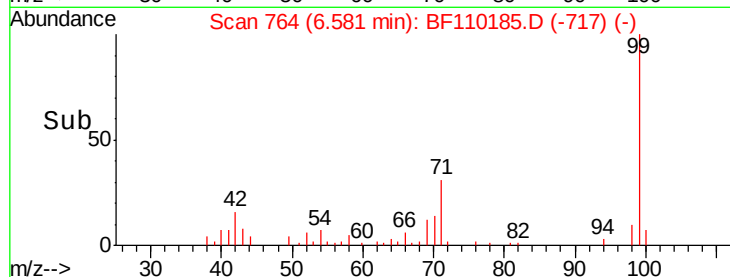
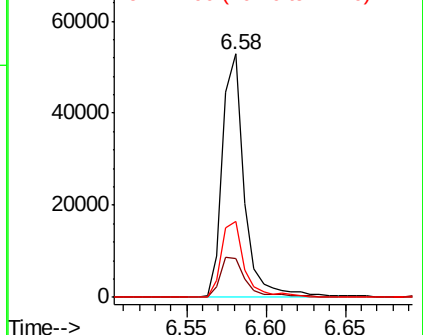
99 100

42 16.2 15.8 23.6

71 31.2 28.0 42.0



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: 2.288 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

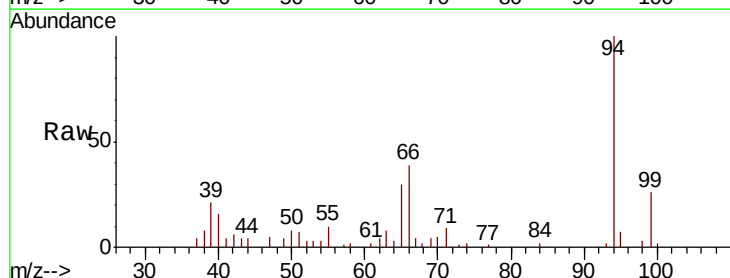
Tgt Ion: 94 Resp: 23021

Ion Ratio Lower Upper

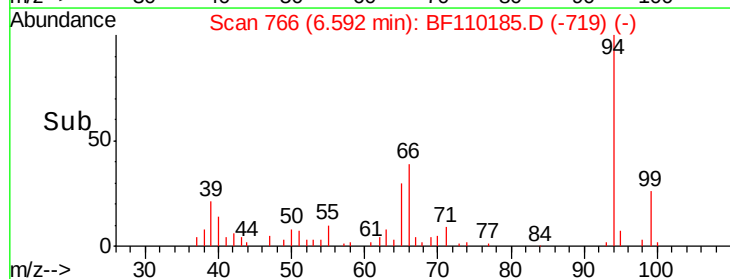
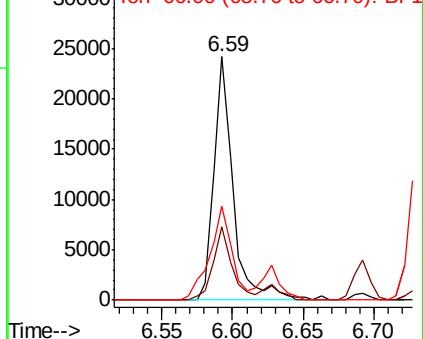
94 100

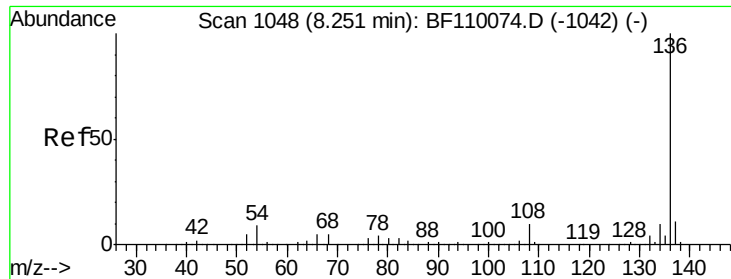
65 30.2 25.3 65.3

66 38.6 54.5 94.5#



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

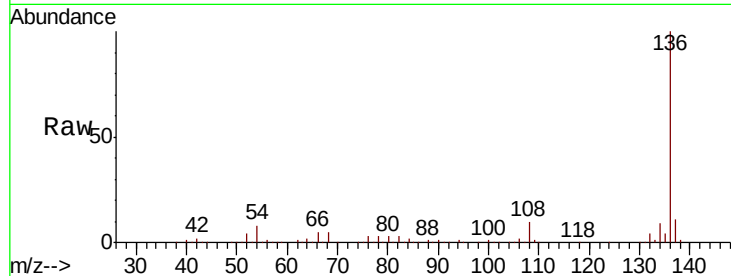




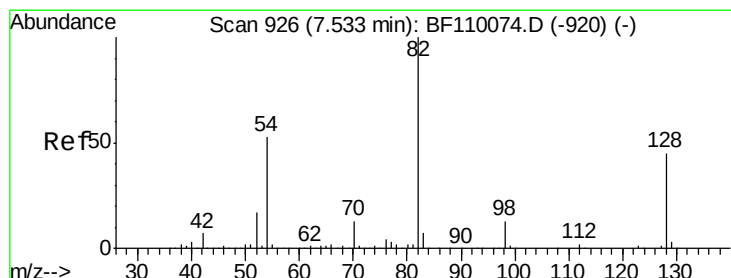
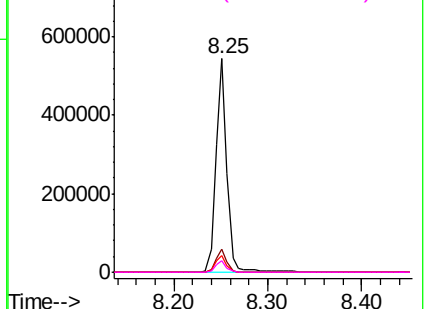
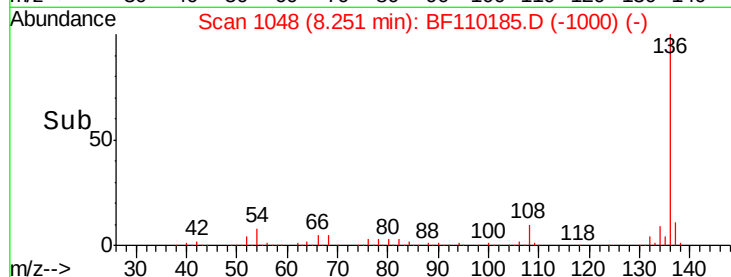
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	451797
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	8.1	5.4 8.2
68	5.2	4.2 6.2

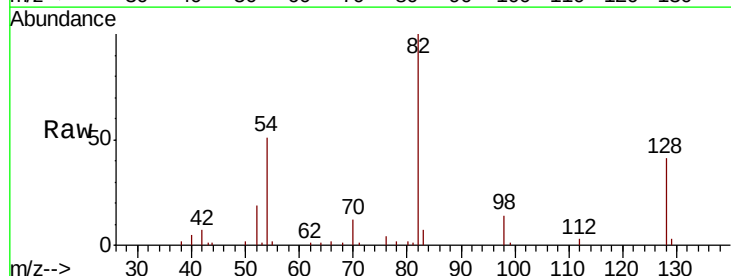


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

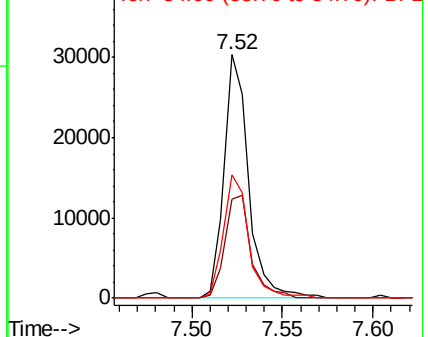
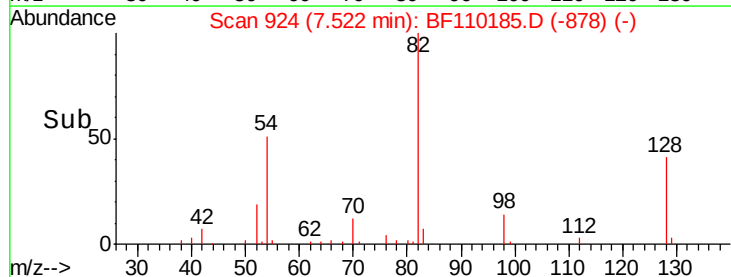


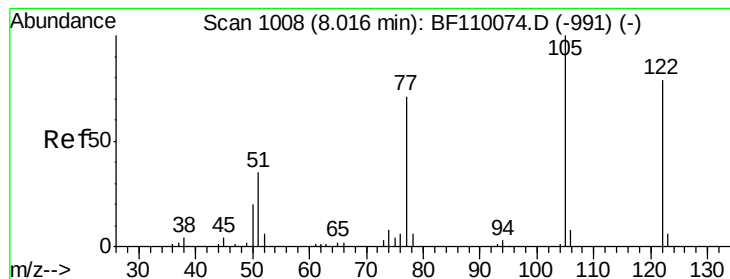
#23
Nitrobenzene-d5
Concen: 3.755 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

Tgt Ion: 82	Resp:	28600
Ion Ratio	Lower	Upper
82	100	
128	40.6	34.2 51.2
54	50.7	38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 2.212 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.12 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

Instrument :

BNA_F

ClientSampled :

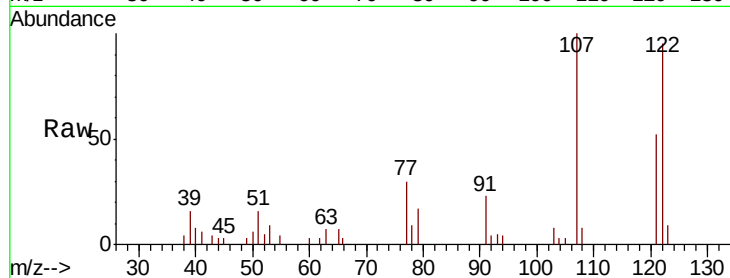
Tot Ion:122 Resp: 10606

Ion Ratio Lower Upper

122 100

105 3.4 109.0 149.0#

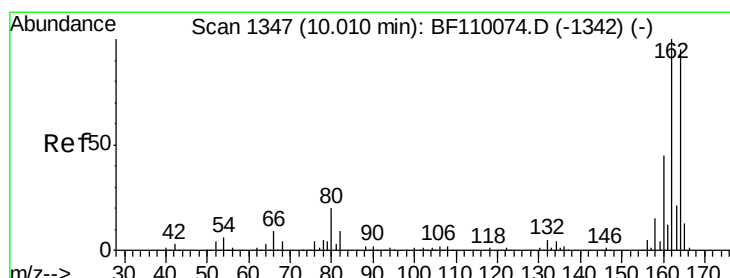
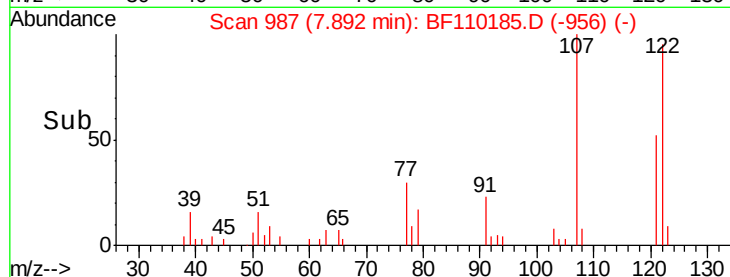
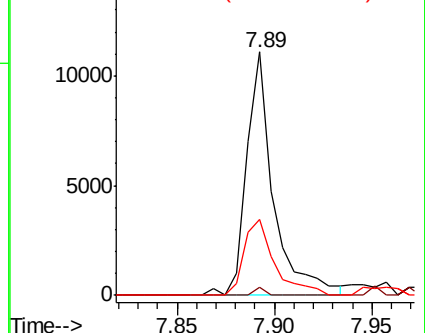
77 31.0 79.0 119.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

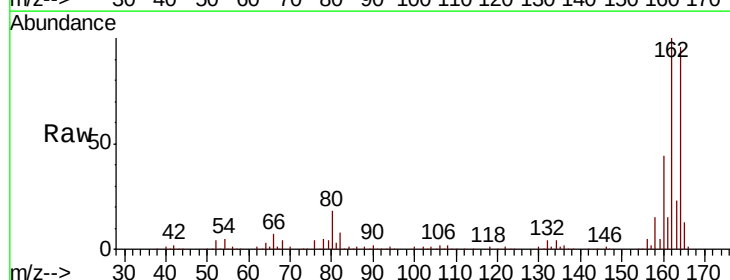
Tgt Ion:164 Resp: 178225

Ion Ratio Lower Upper

164 100

162 104.3 83.0 124.6

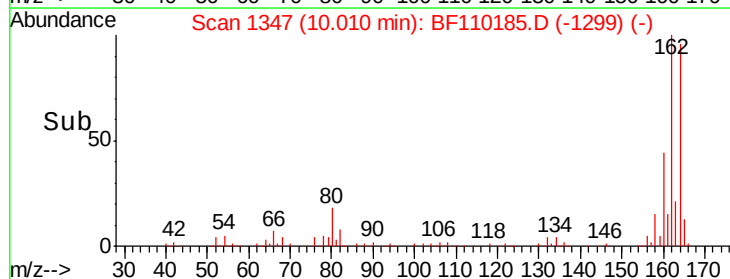
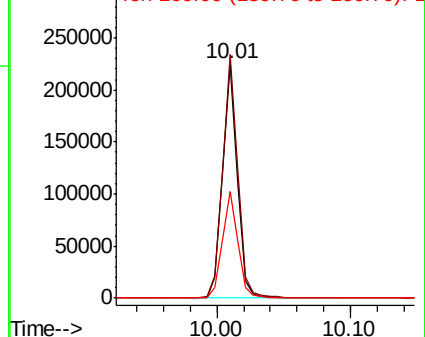
160 45.8 37.0 55.6

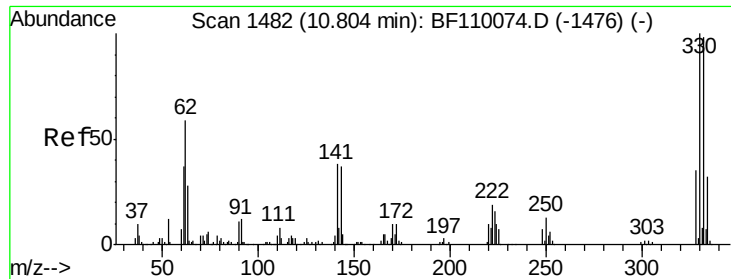


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

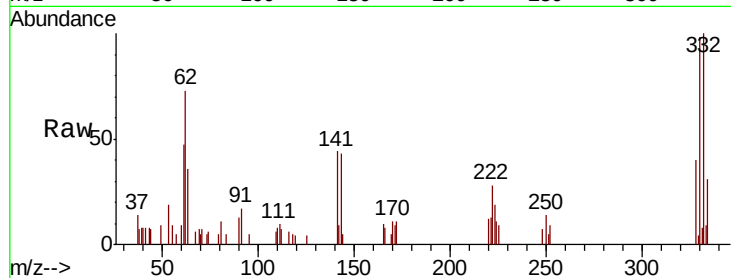




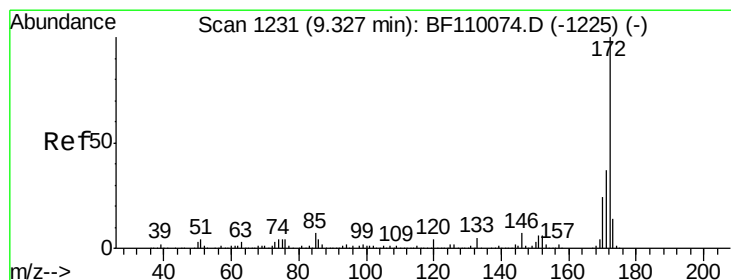
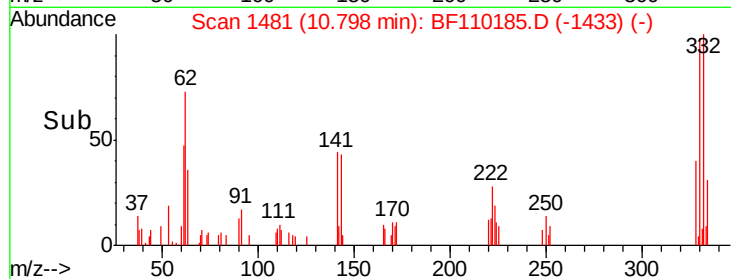
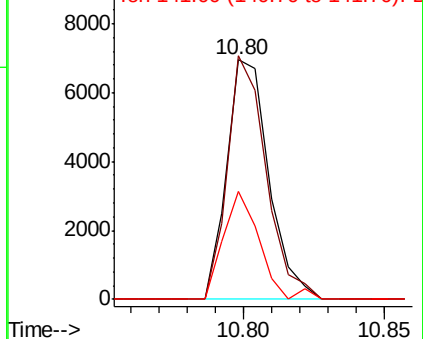
#42
 2,4,6-Tribromophenol
 Concen: 4.074 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110185.D
 Acq: 26 Oct 2018 2:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 7192
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.1 115.7
 141 38.8 27.0 40.4

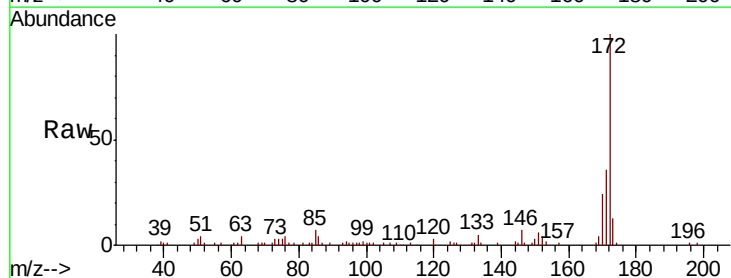


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

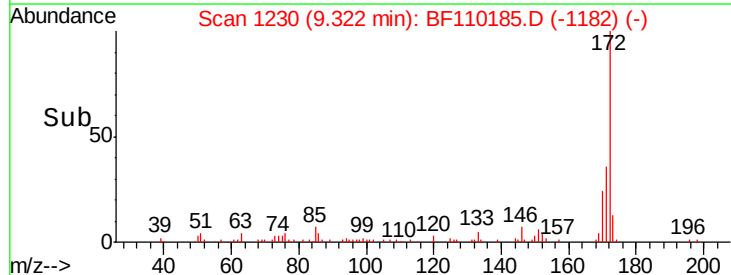
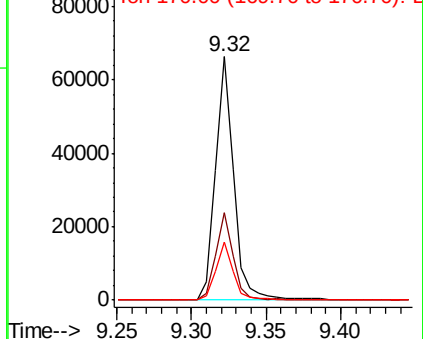


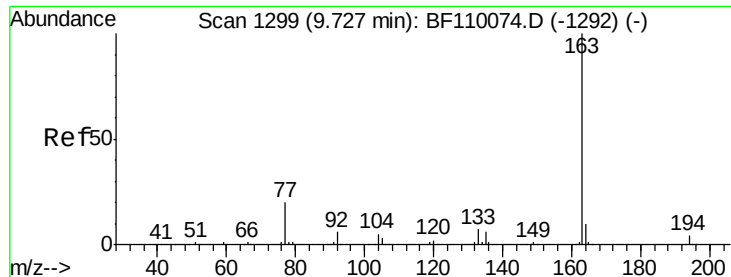
#45
 2-Fluorobiphenyl
 Concen: 4.979 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110185.D
 Acq: 26 Oct 2018 2:35

Tgt Ion:172 Resp: 56507
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.6 19.7 29.5



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

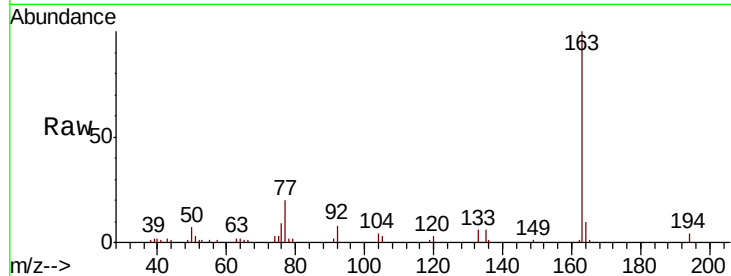




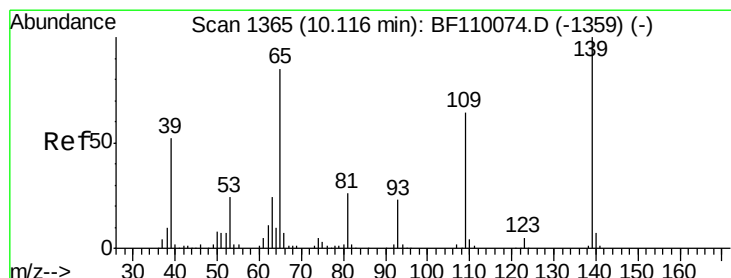
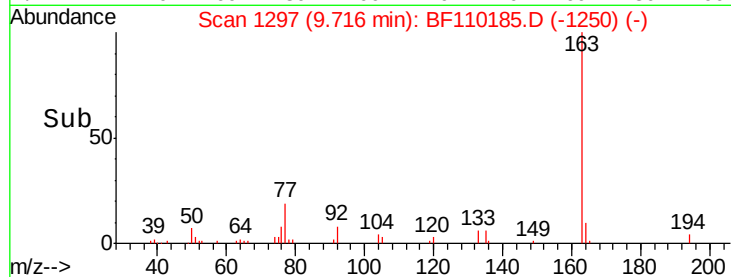
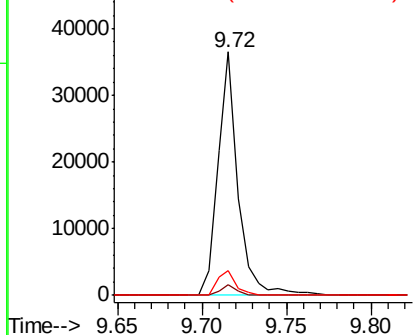
#50
 Dimethylphthalate
 Concen: 2.306 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF110185.D
 Acq: 26 Oct 2018 2:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163	Resp:	30333
Ion Ratio	Lower	Upper
163	100	
194	4.3	3.2 4.8
164	10.1	8.1 12.1

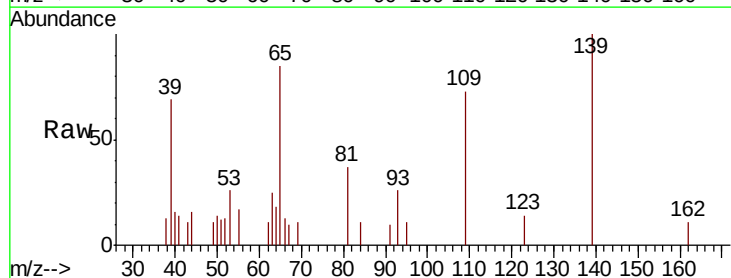


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

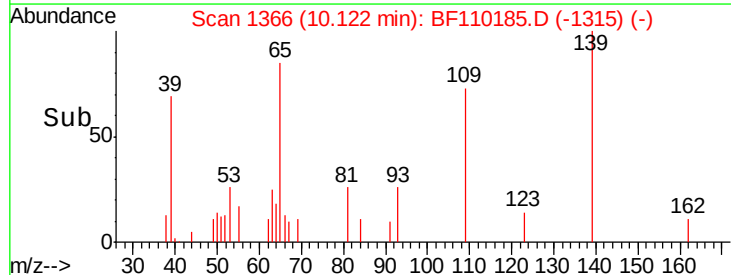
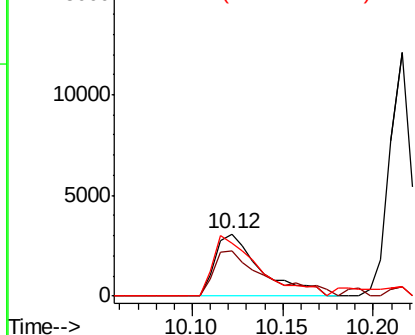


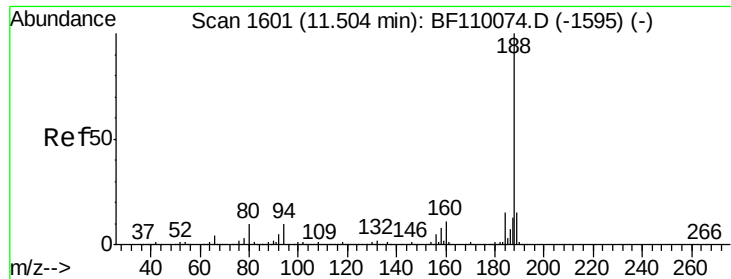
#56
 4-Nitrophenol
 Concen: 2.170 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: BF110185.D
 Acq: 26 Oct 2018 2:35

Tgt Ion:139	Resp:	5412
Ion Ratio	Lower	Upper
139	100	
109	73.1	55.8 95.8
65	85.4	77.9 117.9



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

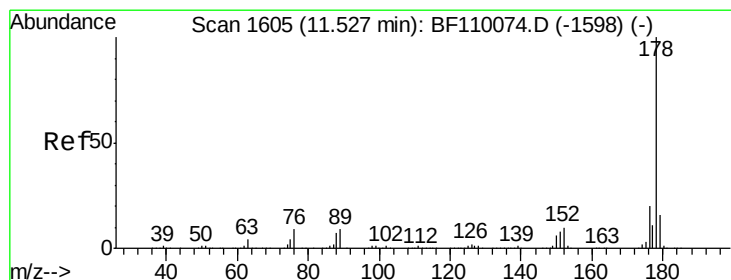
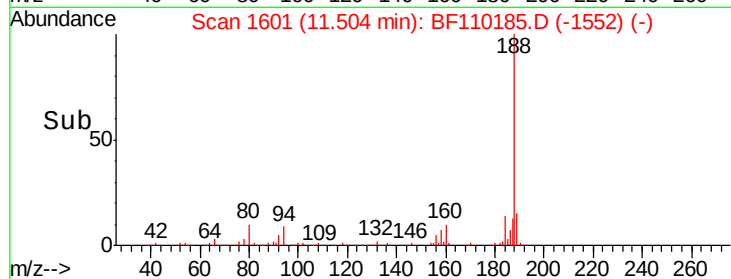
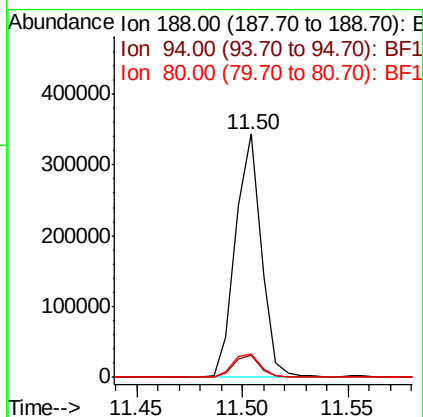
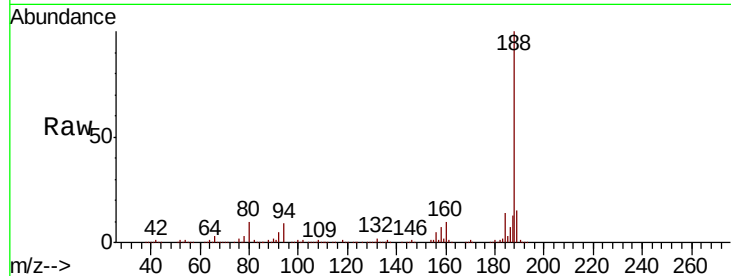




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

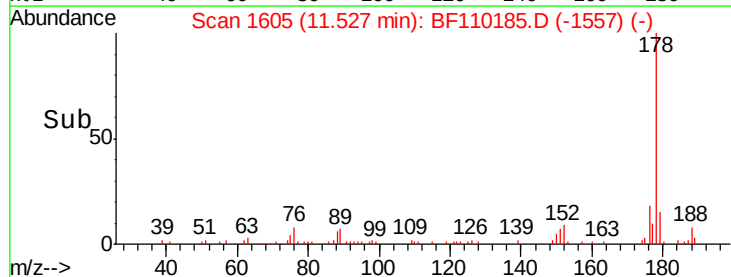
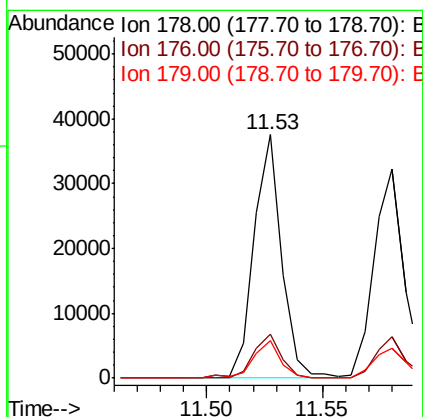
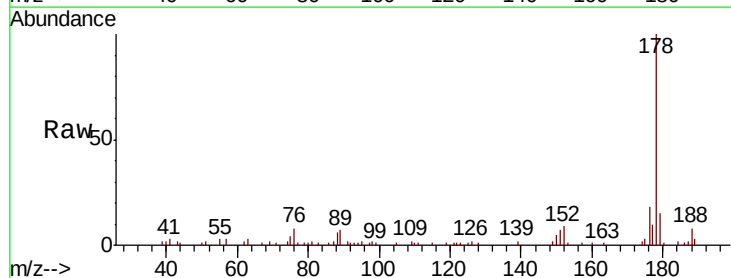
Instrument :
BNA_F
ClientSampleId :

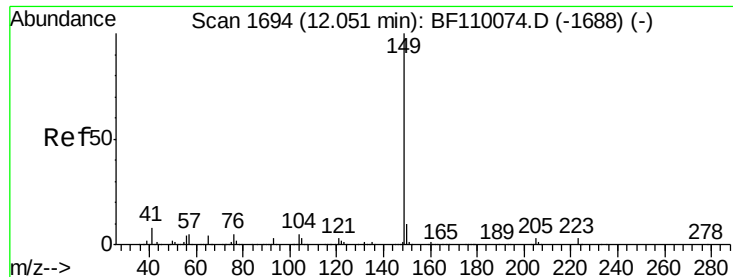
Tot Ion:188 Resp: 290208
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.6 7.9 11.9



#71
Phenanthrene
Concen: 2.080 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

Tgt Ion:178 Resp: 31583
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 15.4 12.5 18.7

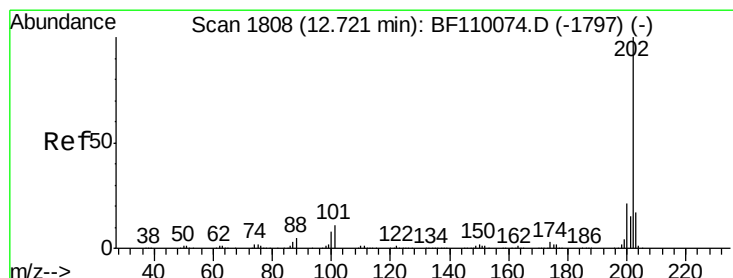
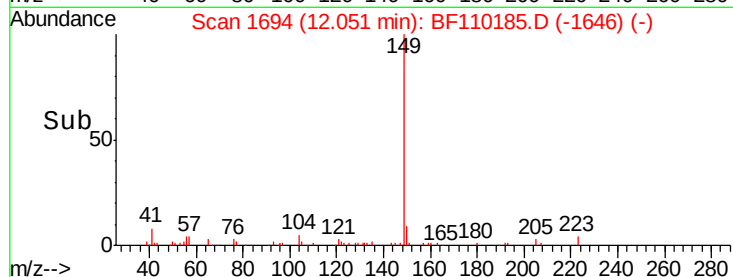
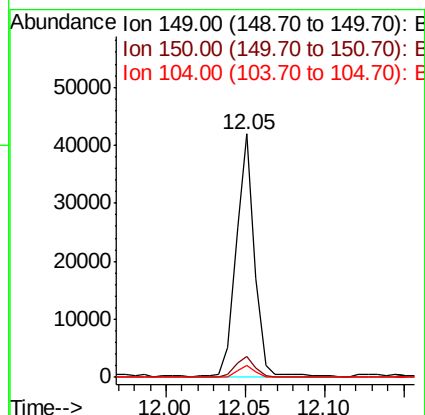
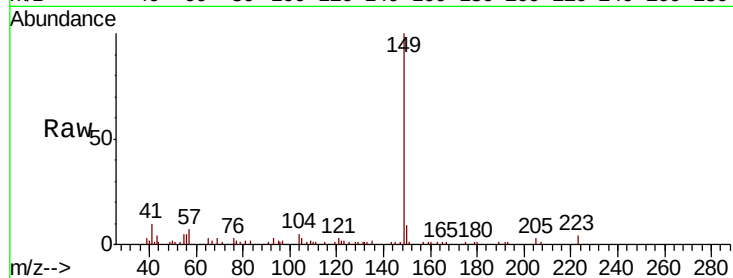




#74
Di-n-butylphthalate
Concen: 2.037 ng
RT: 12.05 min Scan# 1694
Delta R.T. -0.02 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

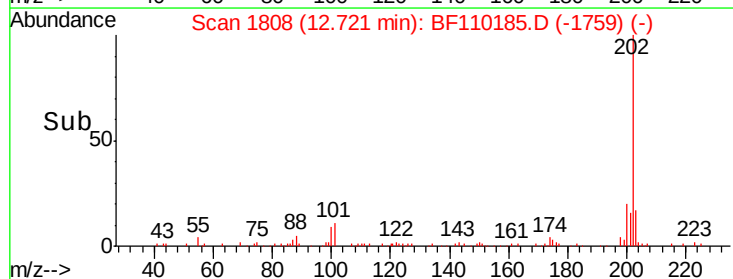
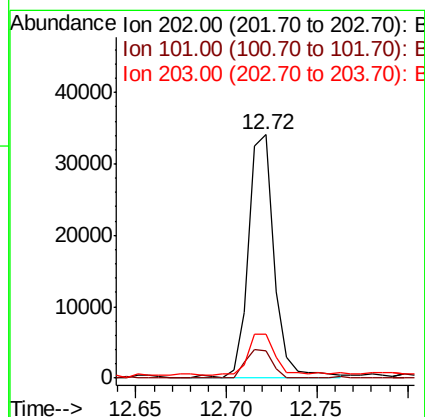
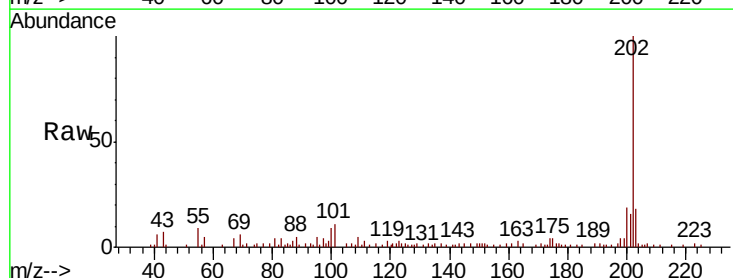
Instrument :
BNA_F
ClientSampled :

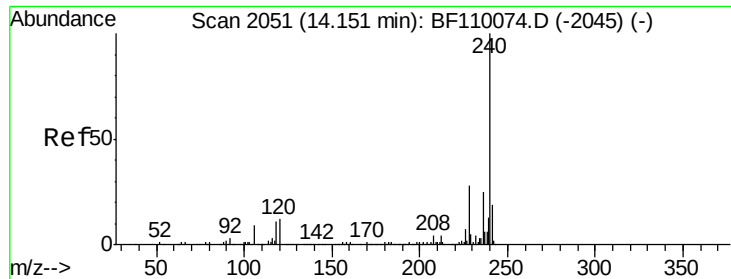
Tot Ion:149 Resp: 34185
Ion Ratio Lower Upper
149 100
150 8.5 7.7 11.5
104 5.0 4.2 6.4



#75
Fluoranthene
Concen: 2.201 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

Tgt Ion:202 Resp: 33913
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

Instrument :

BNA_F

ClientSampleId :

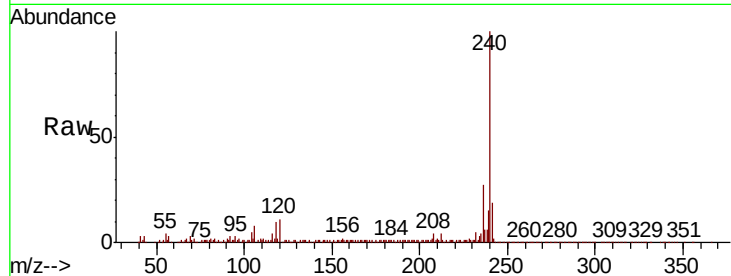
Tot Ion:240 Resp: 215635

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

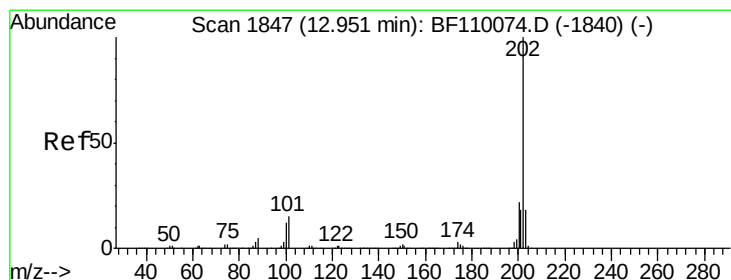
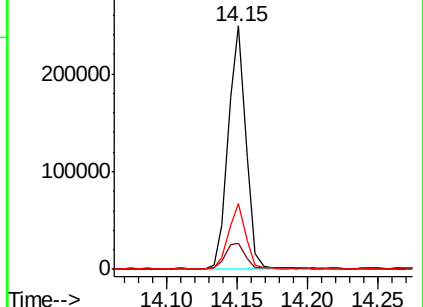
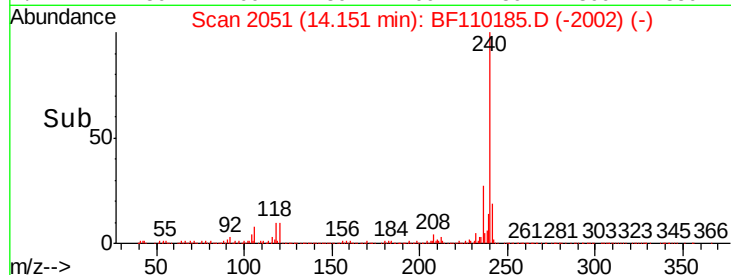
236 26.8 21.2 31.8



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



#78

Pyrene

Concen: 2.293 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

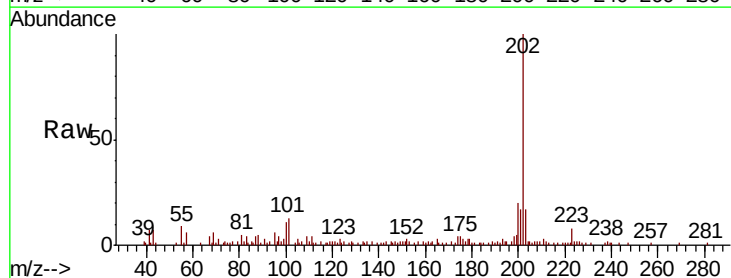
Tgt Ion:202 Resp: 35452

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.6

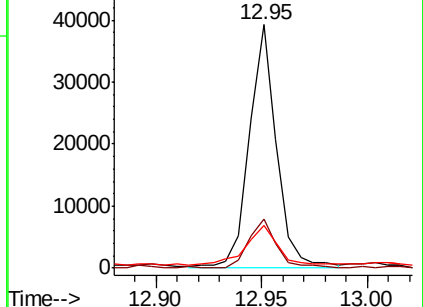
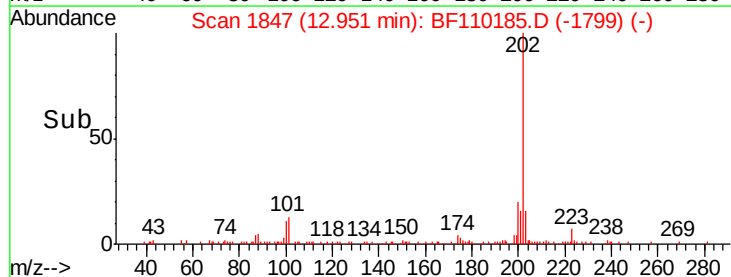
203 17.3 14.2 21.4

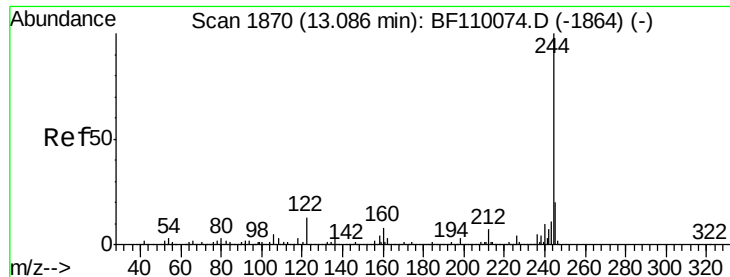


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 4.428 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

Instrument :

BNA_F

ClientSampleId :

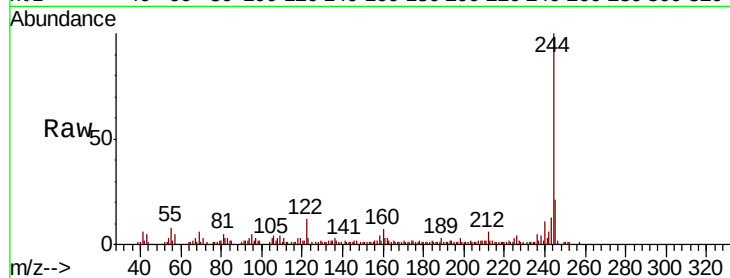
Tot Ion:244 Resp: 45910

Ion Ratio Lower Upper

244 100

212 6.2 5.8 8.8

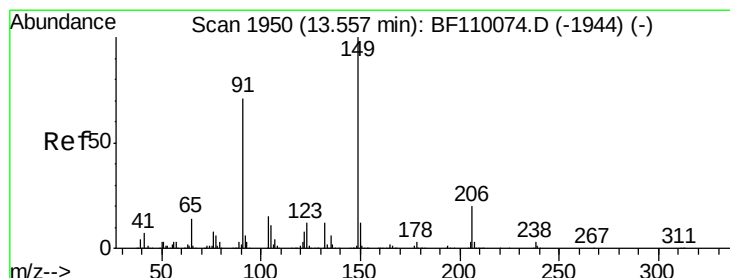
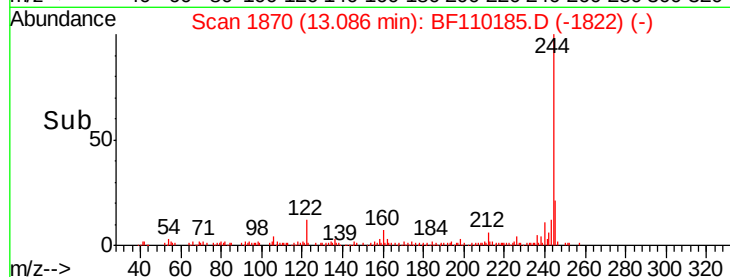
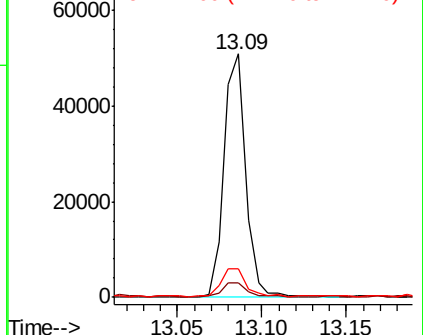
122 11.5 8.7 13.1



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: 2.102 ng

RT: 13.56 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

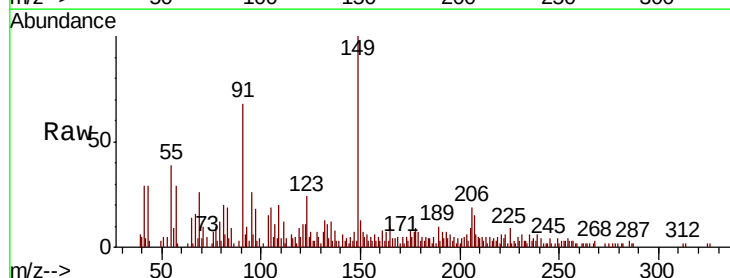
Tgt Ion:149 Resp: 14106

Ion Ratio Lower Upper

149 100

91 68.3 57.2 85.8

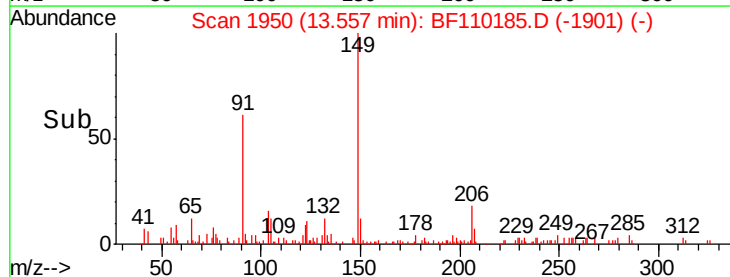
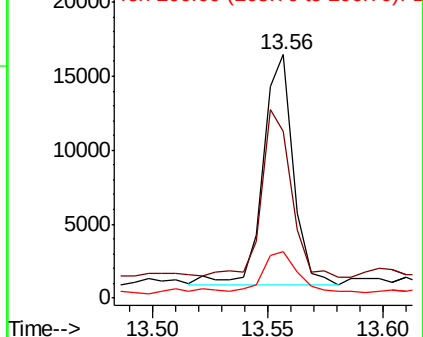
206 19.2 15.7 23.5

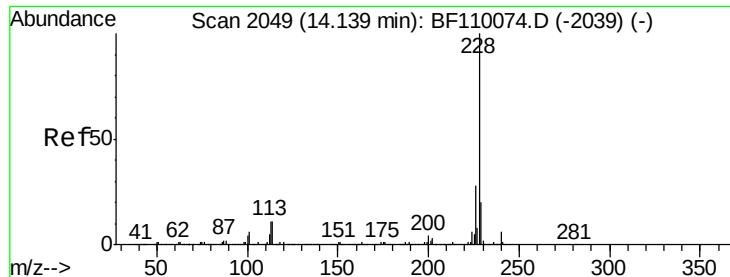


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

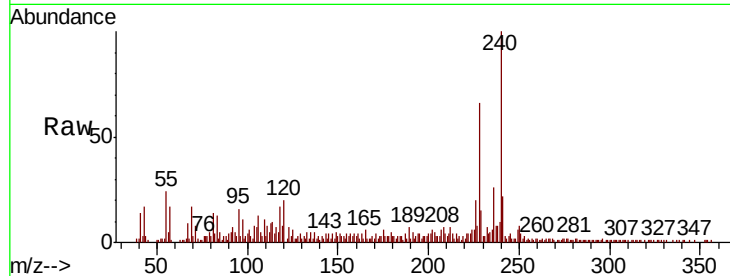




#81
Benzo(a)anthracene
Concen: 2.184 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	22.8	15.6	23.4

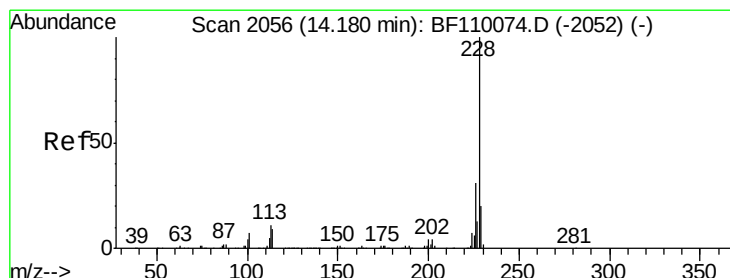
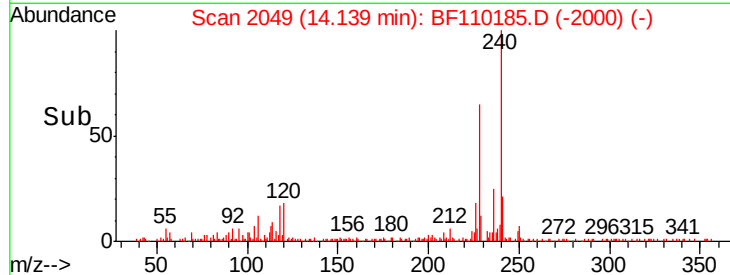
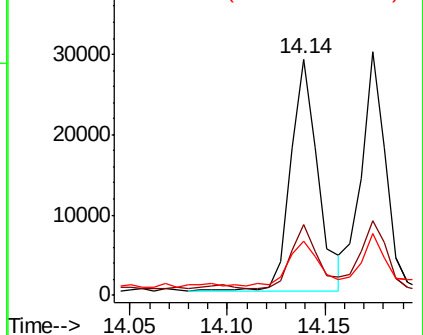


Abundance

Ion 228.00 (227.70 to 228.70): E

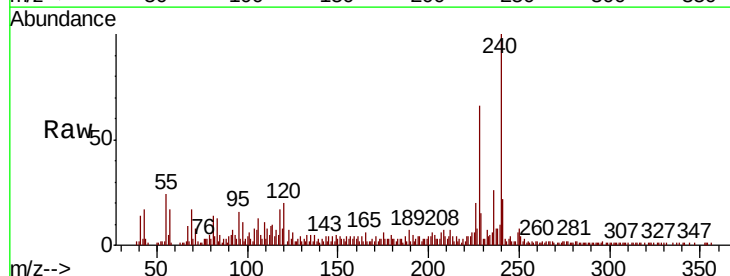
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 2.299 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.05 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.7	37.1
229	22.8	15.9	23.9

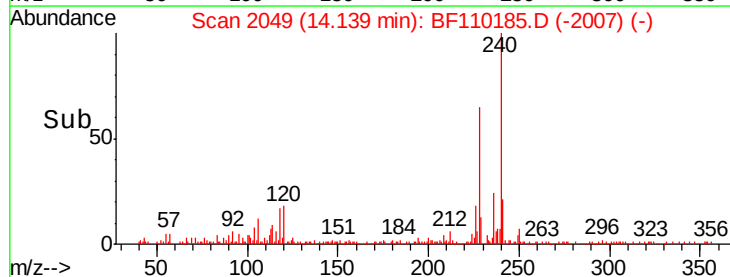
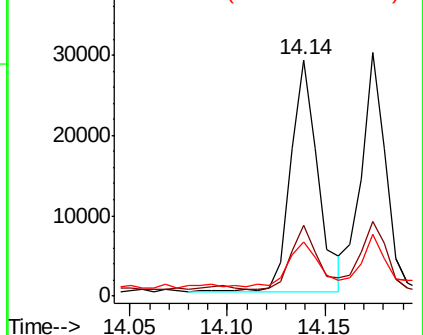


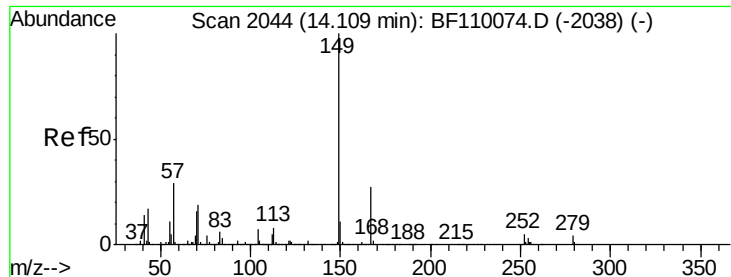
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.200 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

Instrument :

BNA_F

ClientSampleId :

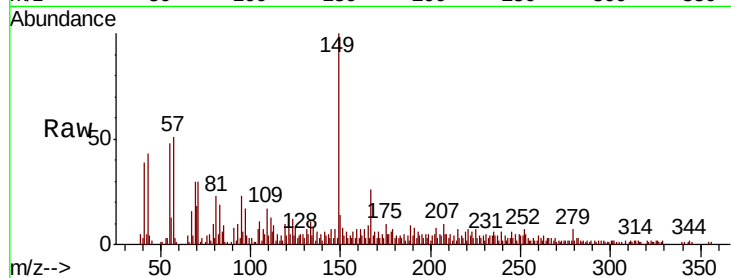
Tot Ion:149 Resp: 19958

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

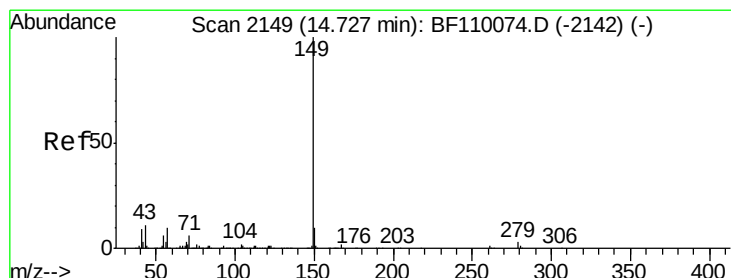
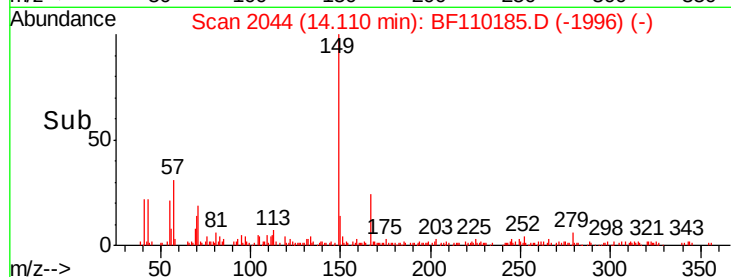
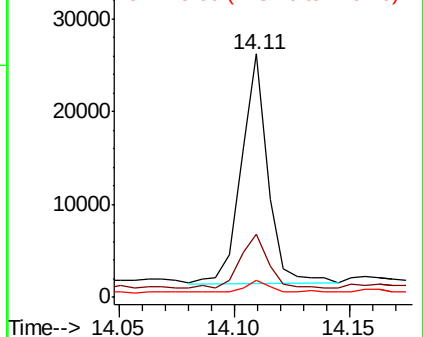
279 7.2 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 2.077 ng

RT: 14.73 min Scan# 2149

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

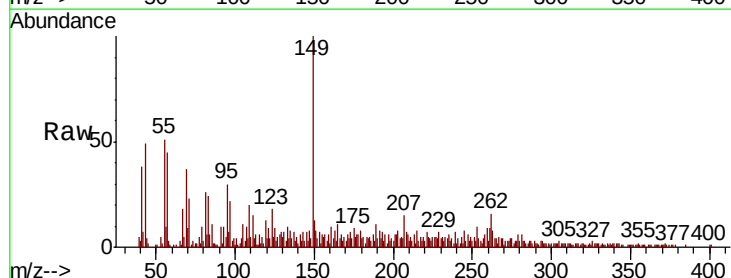
Tgt Ion:149 Resp: 29297

Ion Ratio Lower Upper

149 100

167 3.6 1.1 1.7#

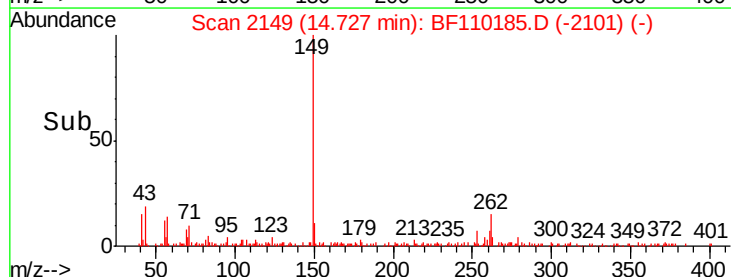
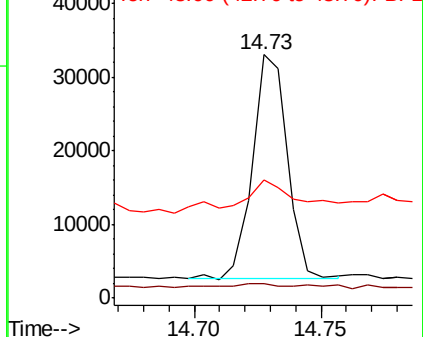
43 15.6 7.8 11.8#

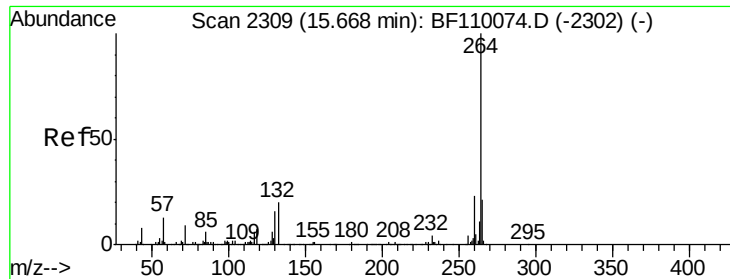


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

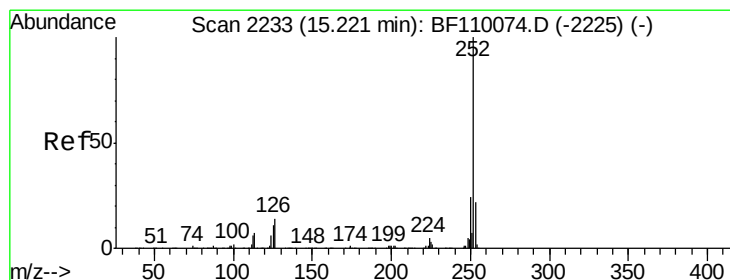
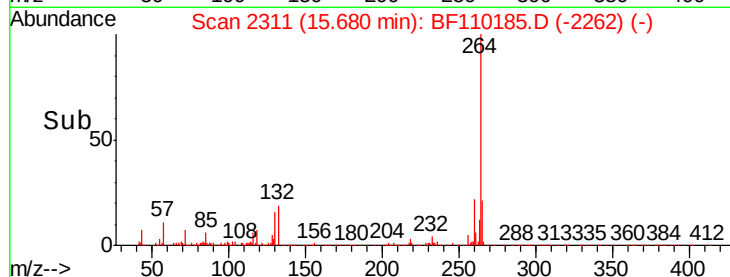
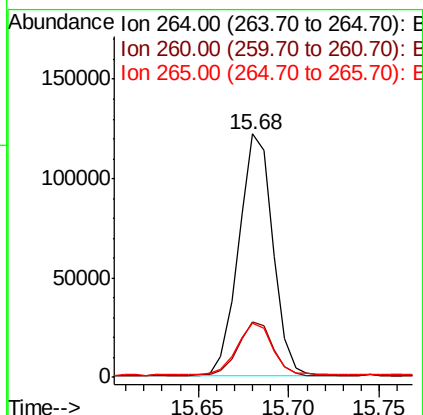
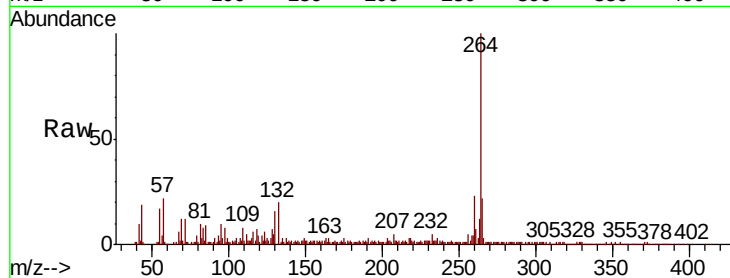




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

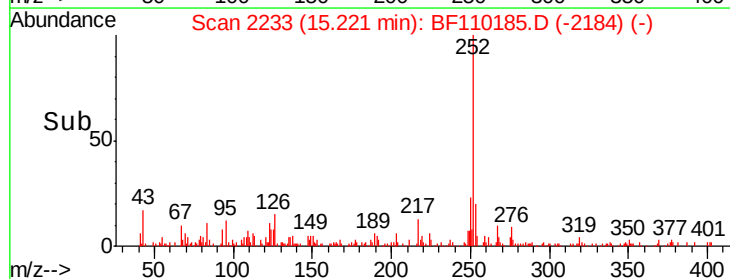
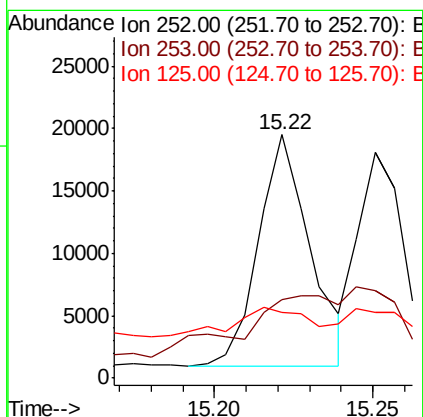
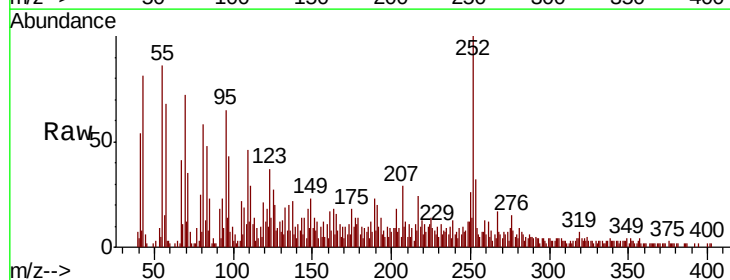
Instrument :
BNA_F
ClientSampleId :

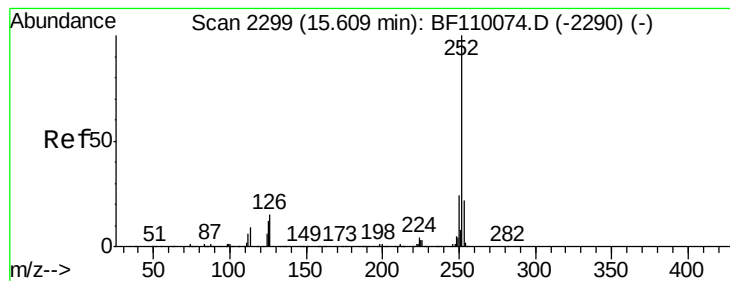
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	22.1	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 2.271 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110185.D
Acq: 26 Oct 2018 2:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.4	17.2	25.8#
125	27.1	8.2	12.4#





#90

Benzo(a)pyrene

Concen: 2.094 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BF110185.D

Acq: 26 Oct 2018 2:35

Instrument :

BNA_F

ClientSampleId :

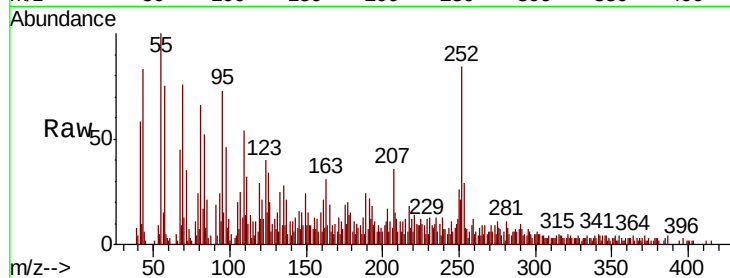
Tot Ion: 252 Resp: 17856

Ion Ratio Lower Upper

252 100

253 34.3 18.2 27.4#

125 40.2 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

