

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110183.D
 Acq On : 26 Oct 2018 1:41
 Operator : JU/SJ
 Sample : J5624-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 06:40:22 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	136752	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	524185	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	212517	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	341606	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	241189	20.00	ng	-0.01
87) Perylene-d12	15.68	264	186159	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	330639	39.37	ng	-0.02
7) Phenol-d6	6.58	99	416828	38.81	ng	-0.02
23) Nitrobenzene-d5	7.53	82	233302	26.40	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	67120	31.88	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	433720	32.05	ng	-0.02
79) Terphenyl-d14	13.09	244	322777	27.83	ng	-0.02

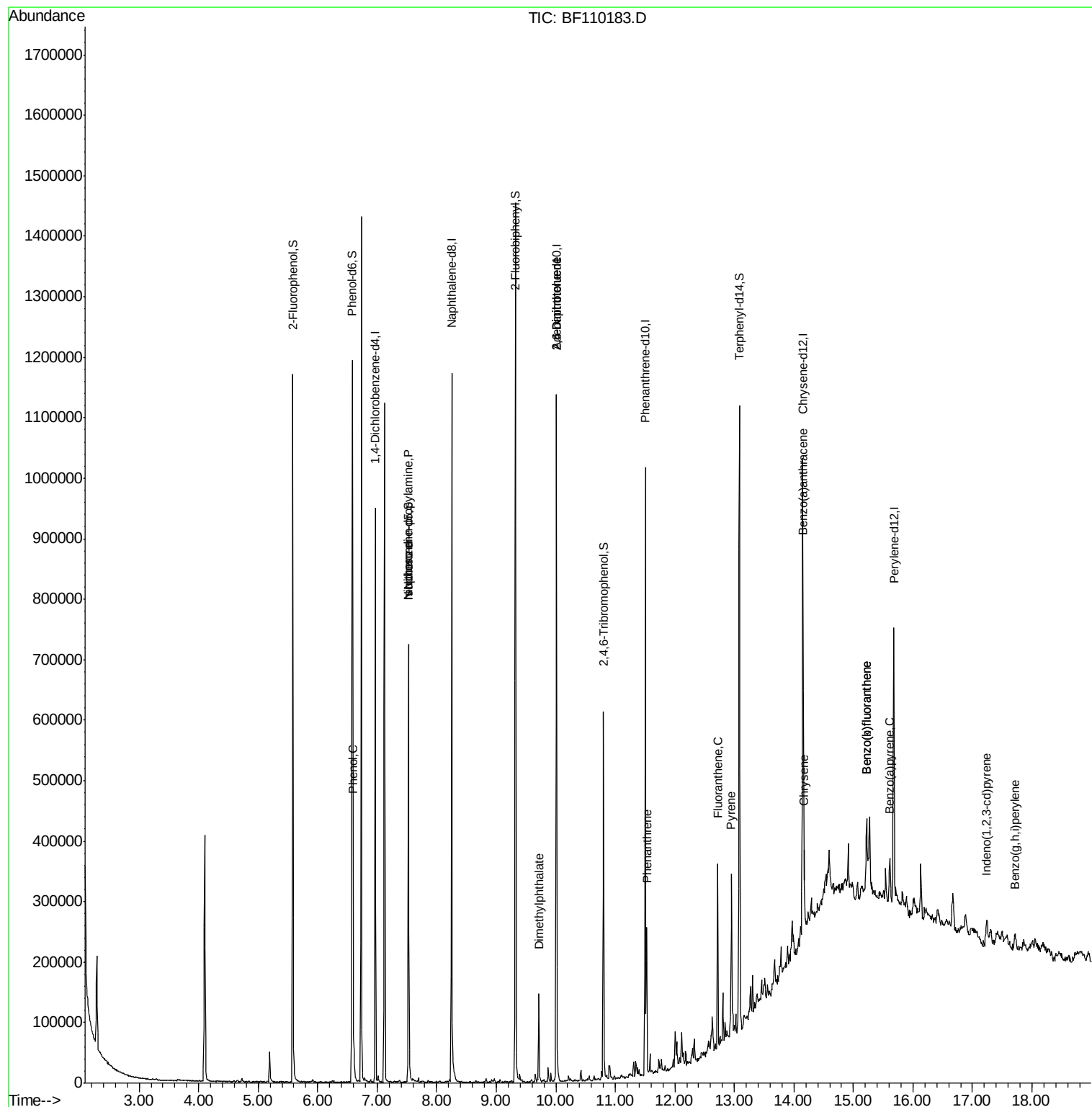
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	1247	Below Cal		# 1
10) Phenol	6.60	94	56458	4.917	ng	# 62
19) n-Nitroso-di-n-propylamine	7.53	70	30871	4.480	ng	# 76
25) Isophorone	7.53	82	233299	15.487	ng	# 67
50) Dimethylphthalate	9.72	163	59224	3.775	ng	# 98
51) 2,6-Dinitrotoluene	10.01	165	27819	8.233	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	27819	6.481	ng	# 19
71) Phenanthrene	11.53	178	83636	4.679	ng	# 97
75) Fluoranthene	12.72	202	123996	6.835	ng	# 98
78) Pyrene	12.95	202	100613	5.819	ng	# 97
81) Benzo(a)anthracene	14.14	228	46913	3.280	ng	# 94
83) Chrysene	14.17	228	43226	3.182	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.23	276	24787	2.199	ng	# 96
88) Benzo(b)fluoranthene	15.22	252	70450	6.553	ng	# 93
89) Benzo(k)fluoranthene	15.22	252	70450	6.666	ng	# 92
90) Benzo(a)pyrene	15.61	252	29488	2.981	ng	# 92
92) Benzo(a,h,i)perylene	17.72	276	23436	2.786	ng	# 91

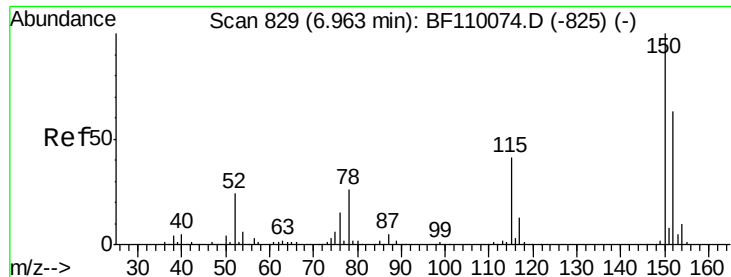
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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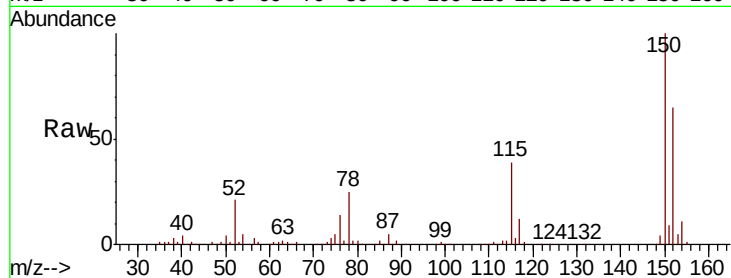


#1

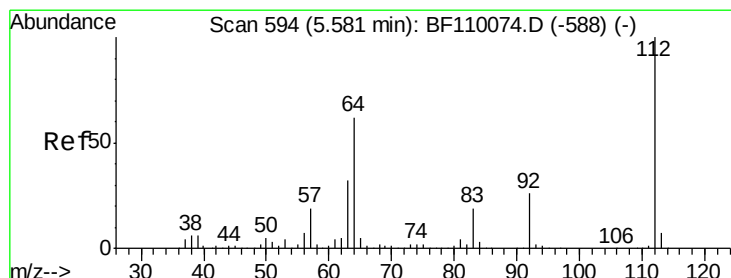
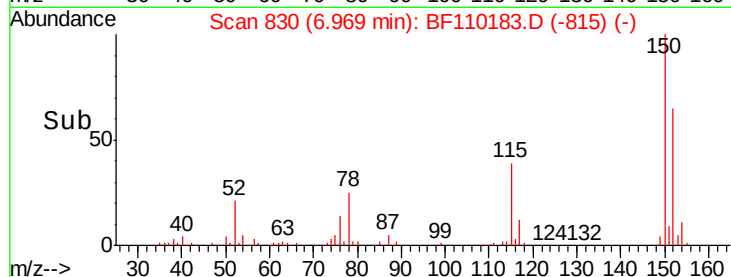
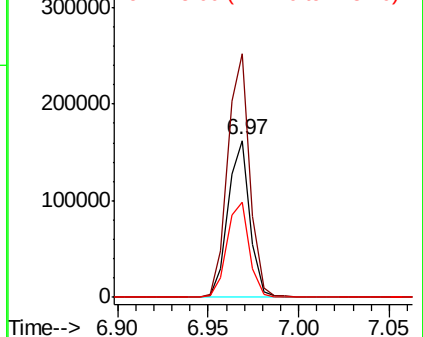
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136752
Ion Ratio Lower Upper
152 100
150 154.9 122.7 184.1
115 60.5 49.1 73.7



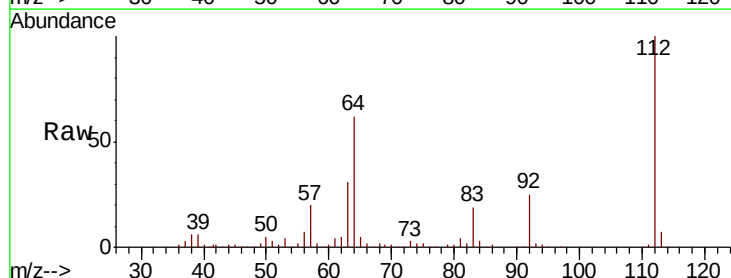
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



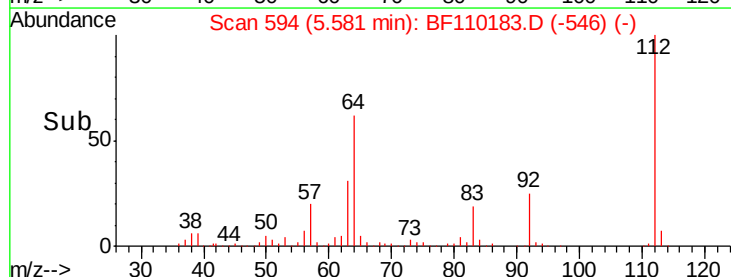
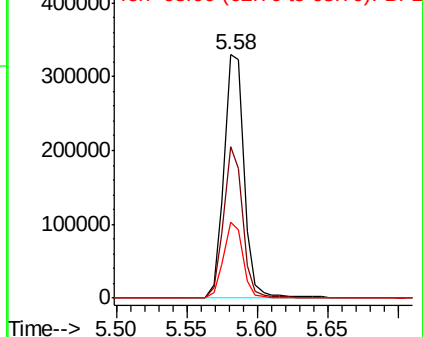
#5

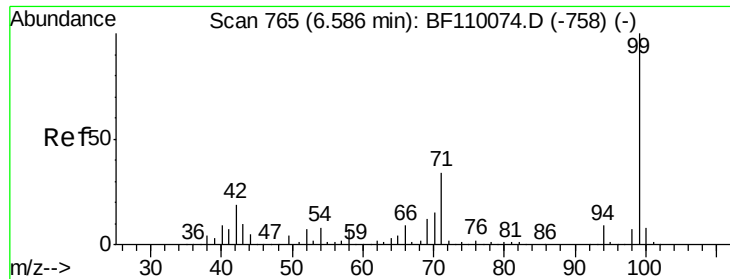
2-Fluorophenol
Concen: 39.373 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Tgt Ion:112 Resp: 330639
Ion Ratio Lower Upper
112 100
64 62.1 44.1 66.1
63 31.4 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: 38.806 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

Instrument :

BNA_F

ClientSampled :

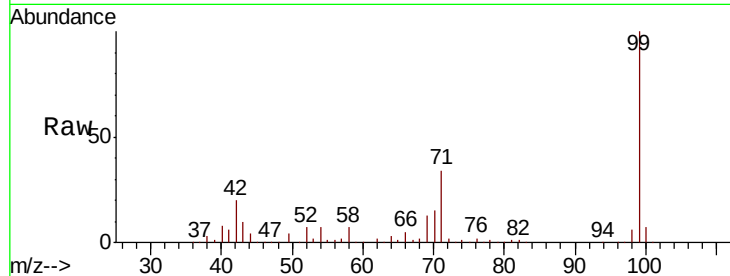
Tot Ion: 99 Resp: 416828

Ion Ratio Lower Upper

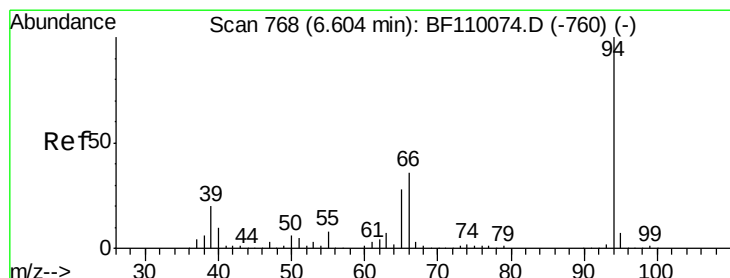
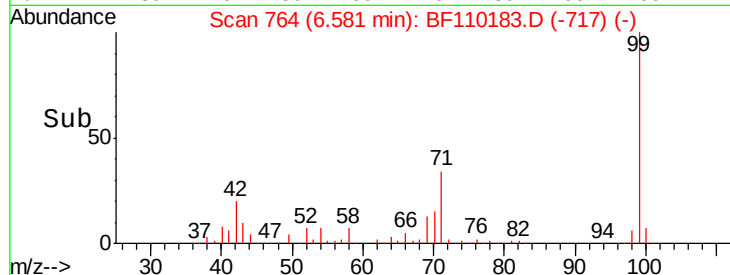
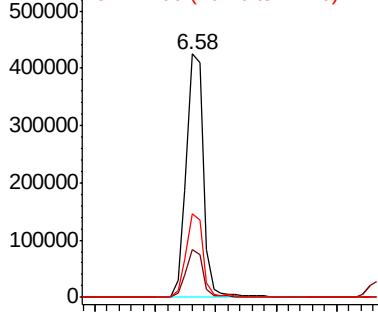
99 100

42 19.5 15.8 23.6

71 34.5 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: 4.917 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

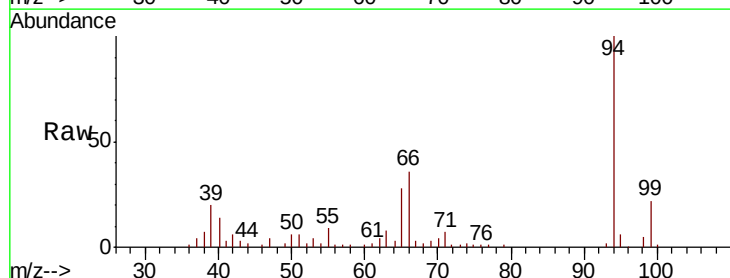
Tgt Ion: 94 Resp: 56458

Ion Ratio Lower Upper

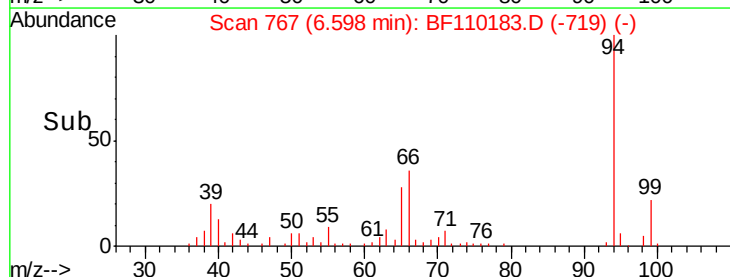
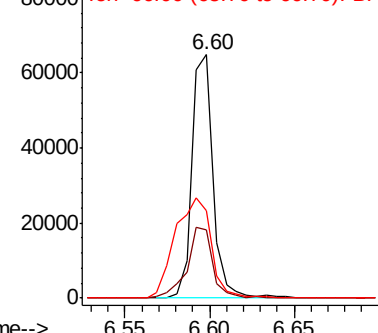
94 100

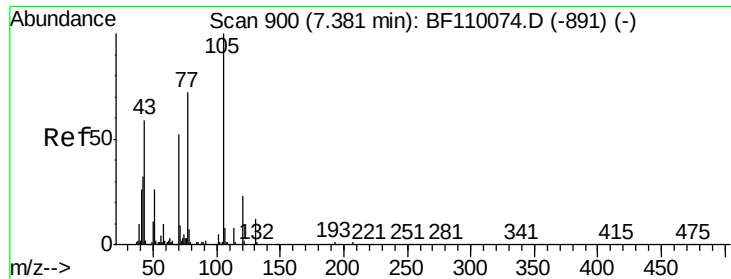
65 28.0 25.3 65.3

66 36.1 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

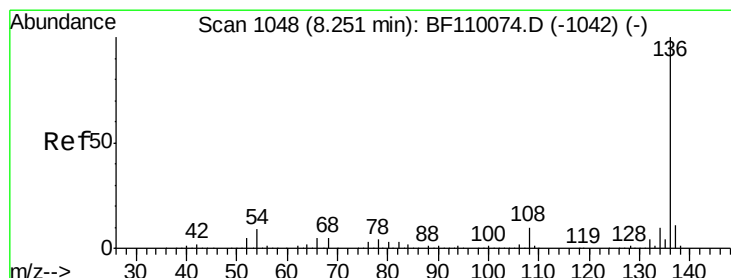
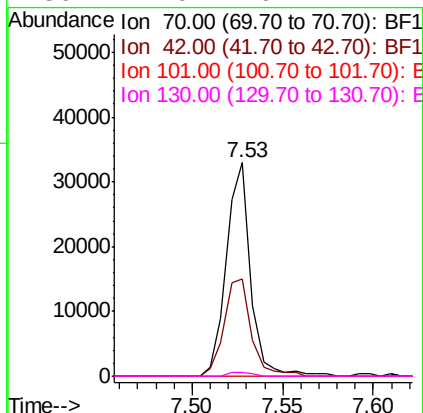
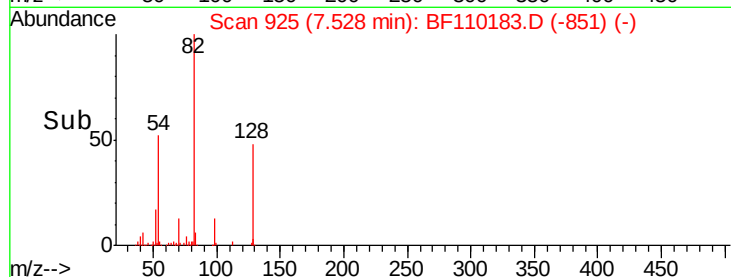
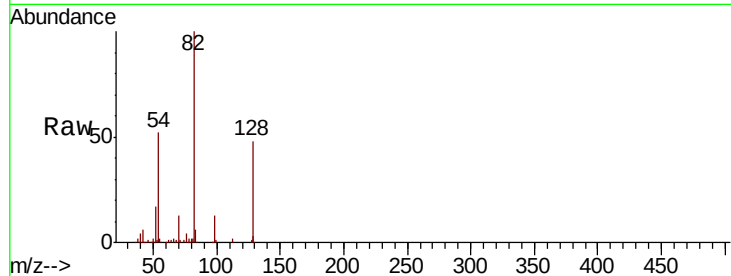




#19
n-Nitroso-di-n-propylamine
Concen: 4.480 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.13 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

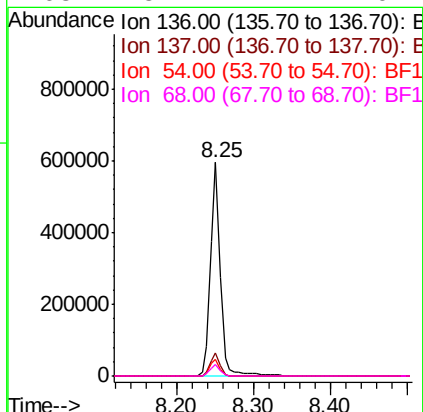
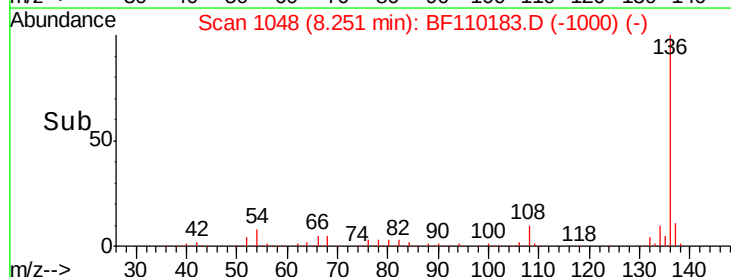
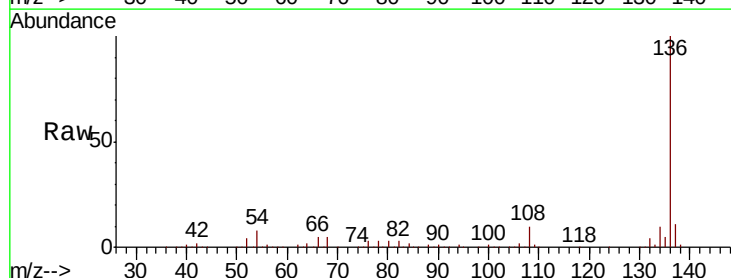
Instrument :
BNA_F
ClientSampleId :

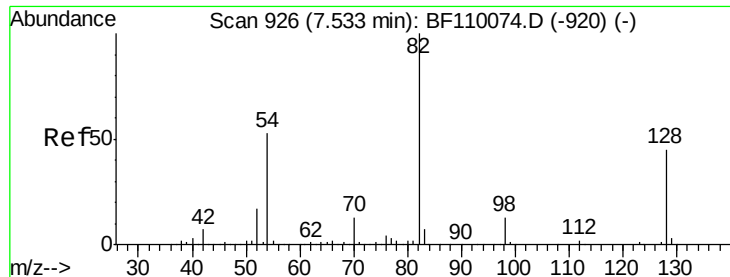
Tot Ion: 70 Resp: 30871
Ion Ratio Lower Upper
70 100
42 45.8 47.4 71.2#
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Tgt Ion: 136 Resp: 524185
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.8 5.4 8.2
68 5.2 4.2 6.2

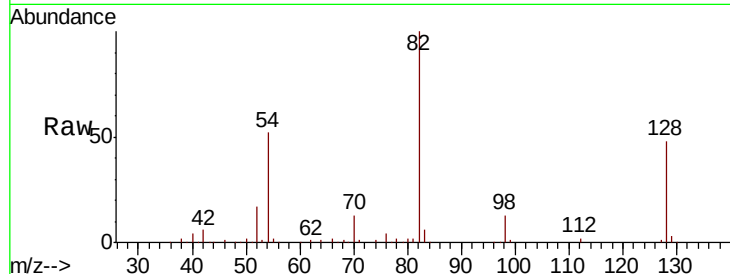




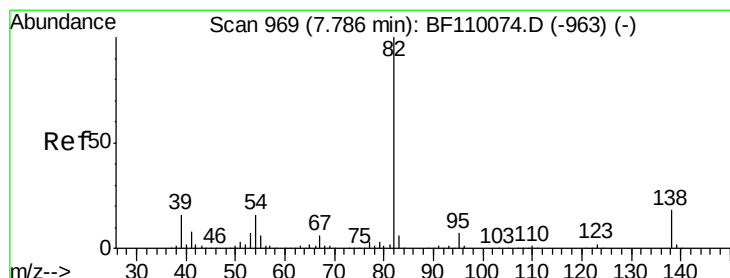
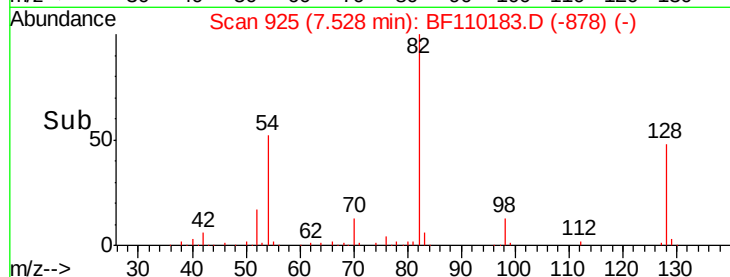
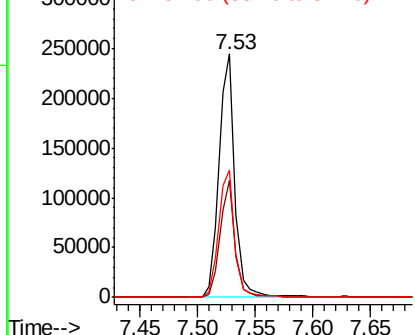
#23
 Nitrobenzene-d5
 Concen: 26.399 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110183.D
 Acq: 26 Oct 2018 1:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.2	51.2
54	52.3	38.6	58.0

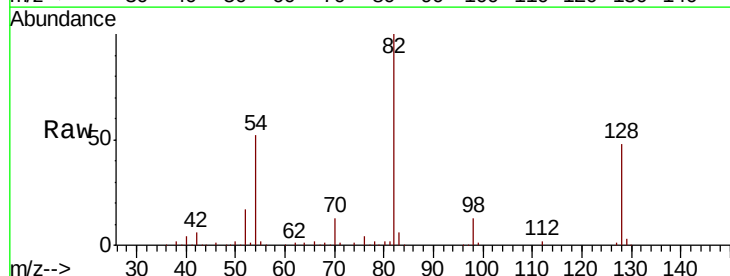


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

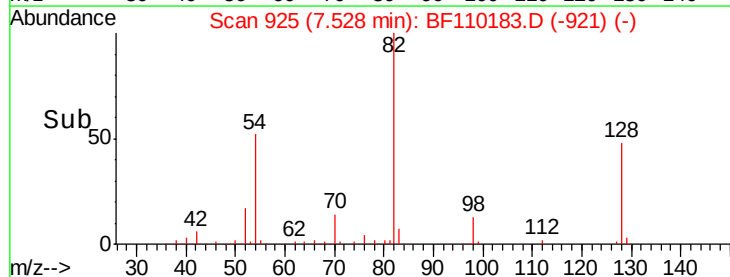
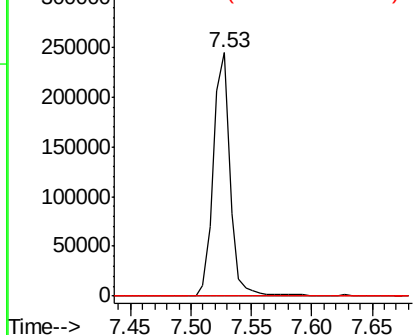


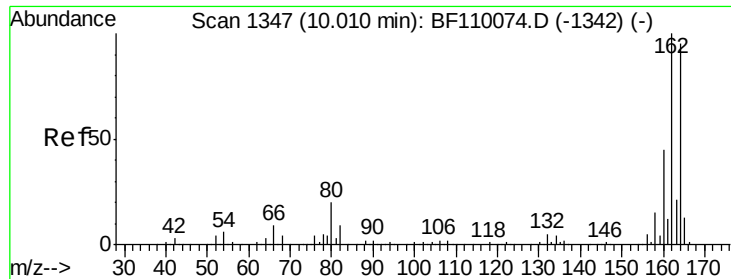
#25
 Isophorone
 Concen: 15.487 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.28 min
 Lab File: BF110183.D
 Acq: 26 Oct 2018 1:41

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

Instrument :

BNA_F

ClientSampleId :

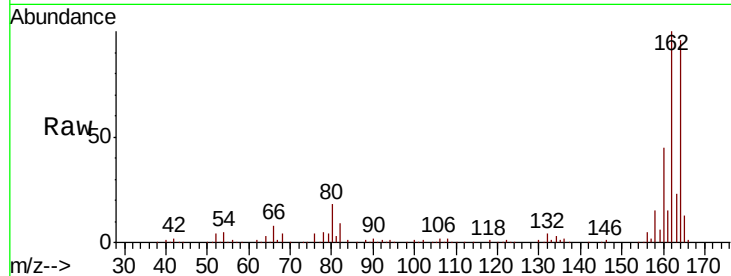
Tot Ion:164 Resp: 212517

Ion Ratio Lower Upper

164 100

162 104.6 83.0 124.6

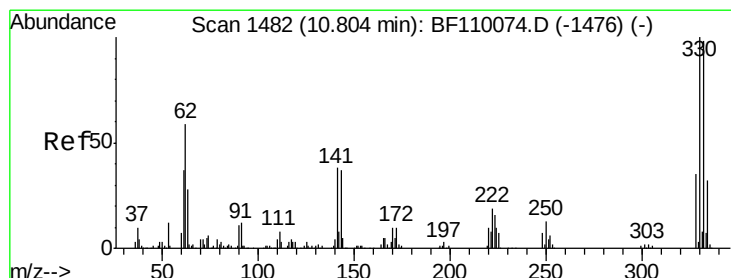
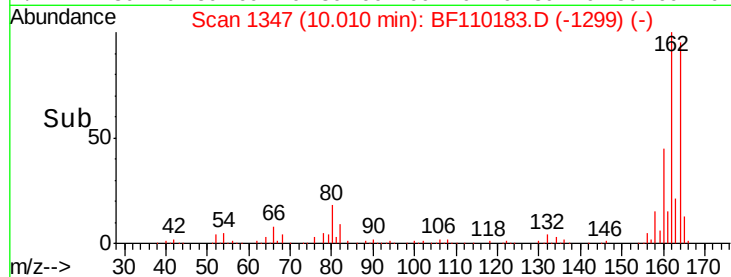
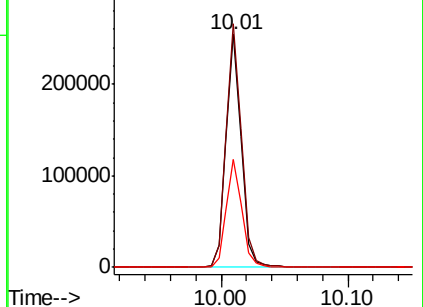
160 46.6 37.0 55.6



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: 31.884 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

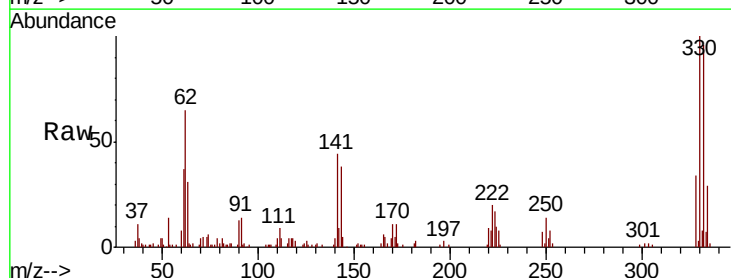
Tgt Ion:330 Resp: 67120

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

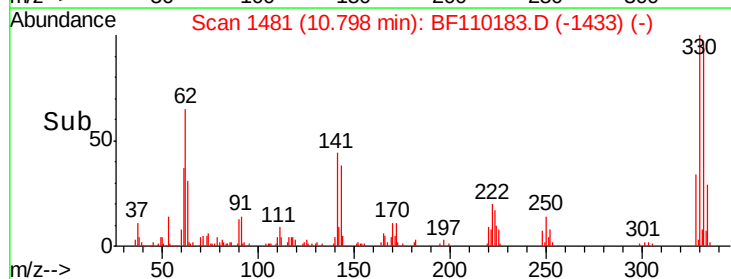
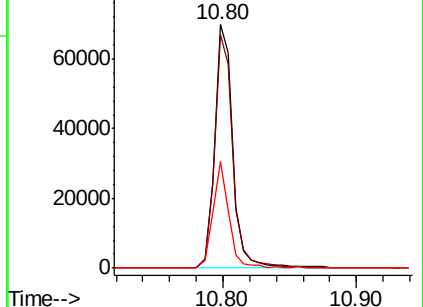
141 38.5 27.0 40.4

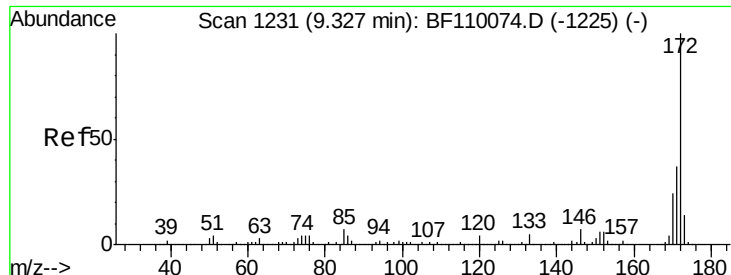


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

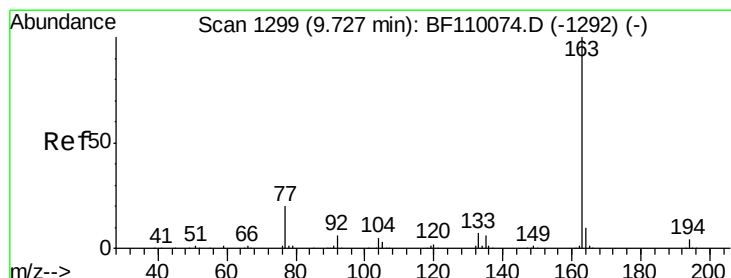
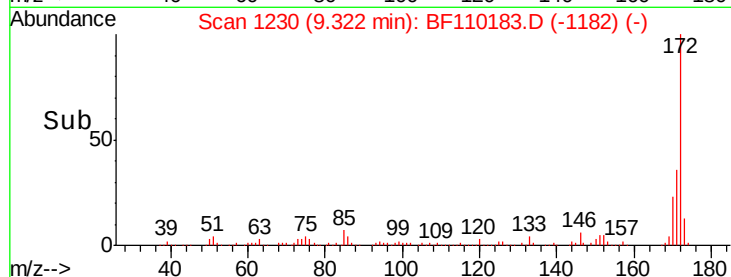
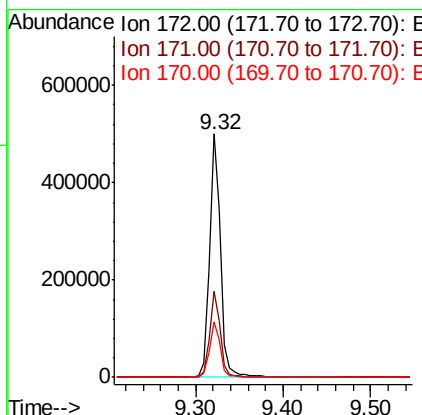
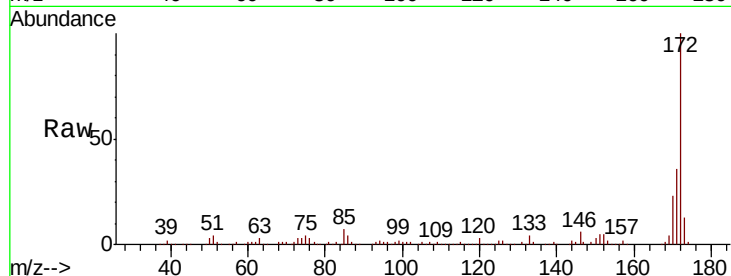




#45
2-Fluorobiphenyl
Concen: 32.047 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

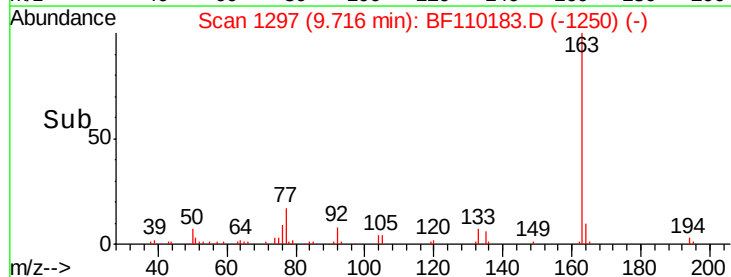
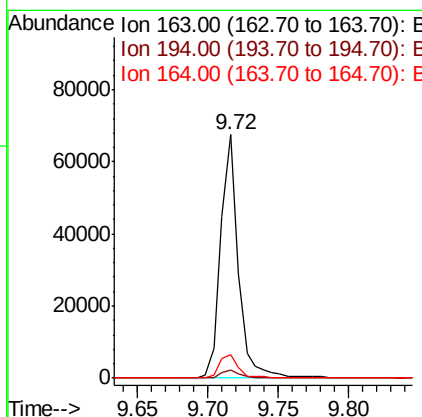
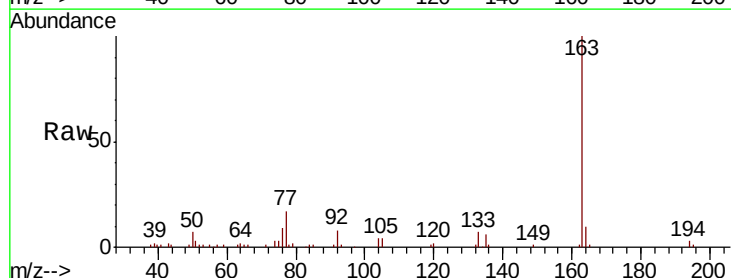
Instrument :
BNA_F
ClientSampleId :

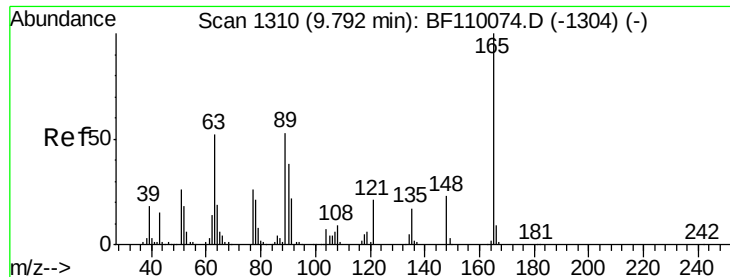
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.0	19.7	29.5



#50
Dimethylphthalate
Concen: 3.775 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.2	4.8
164	9.5	8.1	12.1





#51

2,6-Dinitrotoluene

Concen: 8.233 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

Instrument :

BNA_F

ClientSampleId :

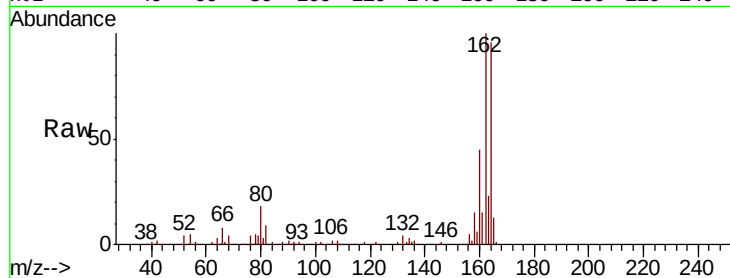
Tot Ion:165 Resp: 27819

Ion Ratio Lower Upper

165 100

63 1.5 48.9 73.3#

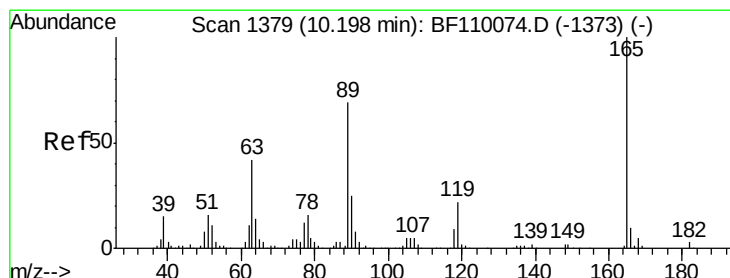
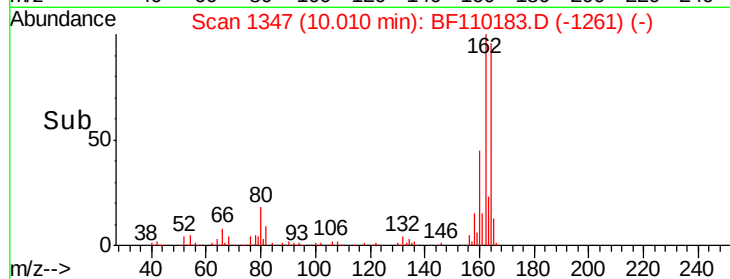
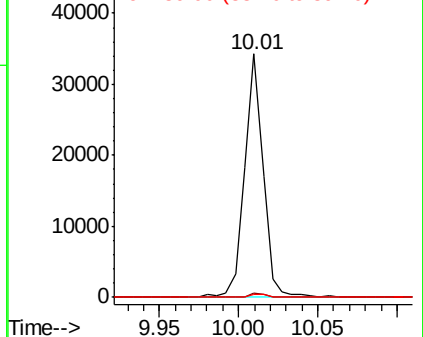
89 1.1 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.481 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

Tgt Ion:165 Resp: 27819

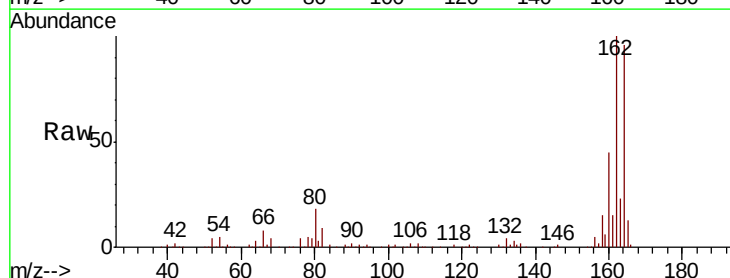
Ion Ratio Lower Upper

165 100

63 1.5 44.8 67.2#

89 1.1 62.2 93.4#

182 0.0 2.1 3.1#

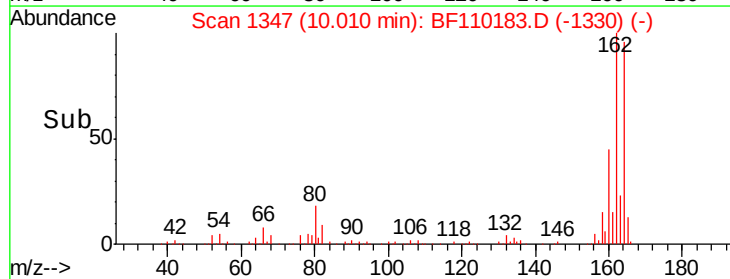
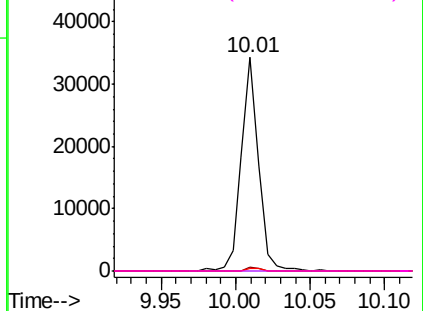


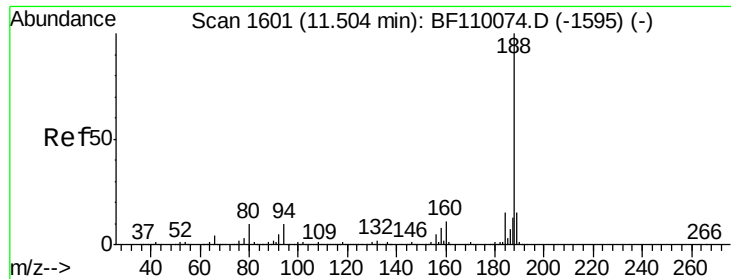
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

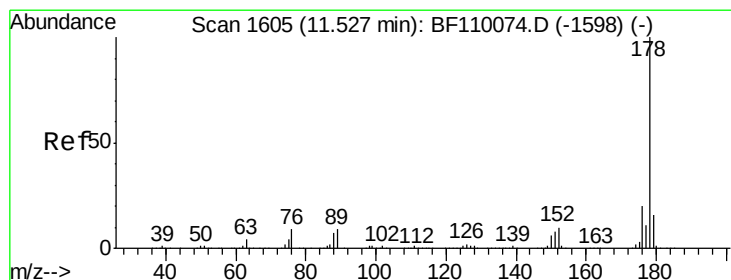
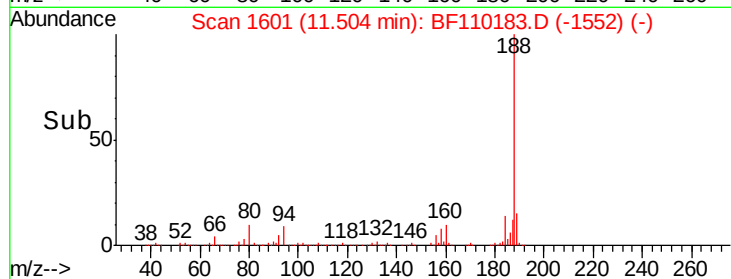
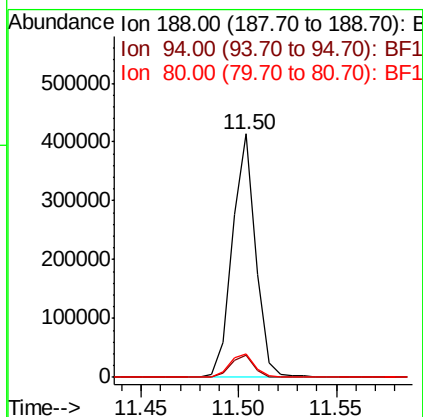
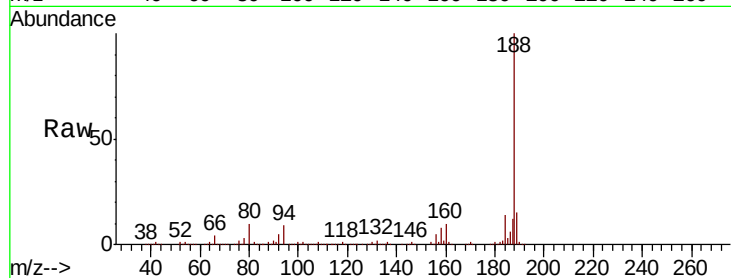




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110183.D
 Acq: 26 Oct 2018 1:41

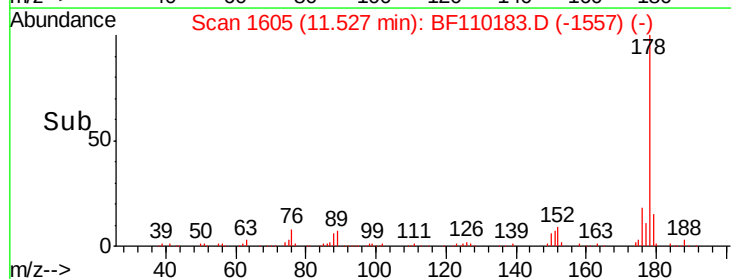
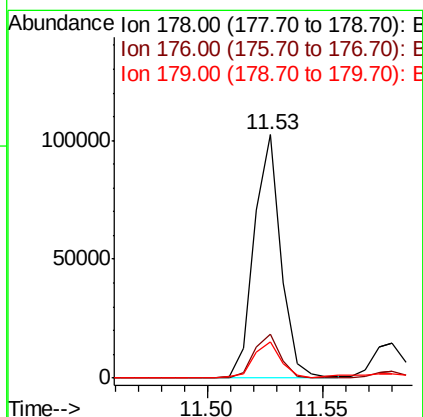
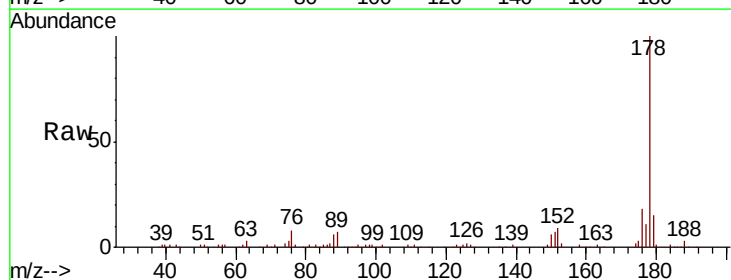
Instrument :
 BNA_F
 ClientSampleId :

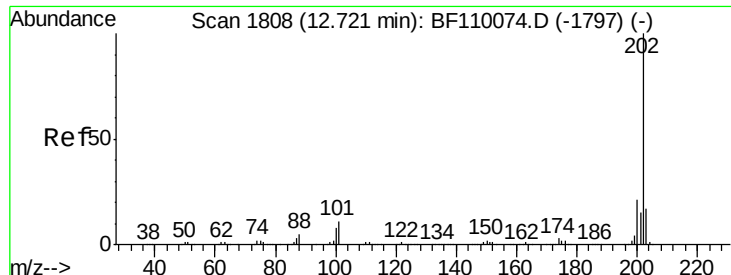
Tot Ion:188 Resp: 341606
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.2 10.8
 80 9.7 7.9 11.9



#71
 Phenanthrene
 Concen: 4.679 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BF110183.D
 Acq: 26 Oct 2018 1:41

Tgt Ion:178 Resp: 83636
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 14.8 12.5 18.7





#75

Fluoranthene

Concen: 6.835 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

Instrument :

BNA_F

ClientSampleId :

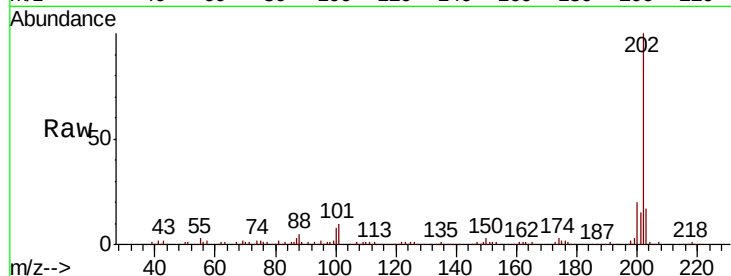
Tot Ion:202 Resp: 123996

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.4

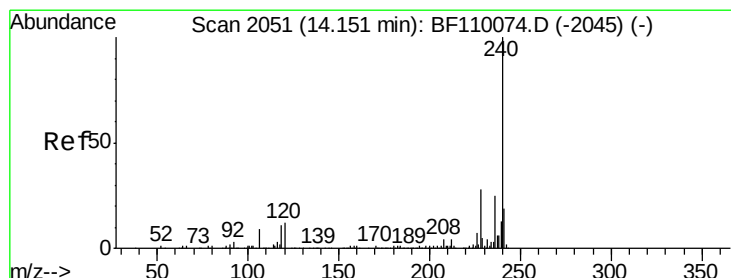
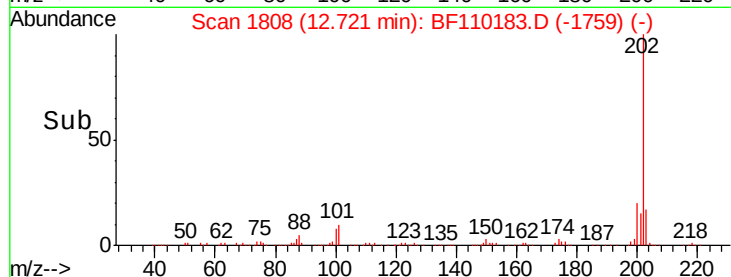
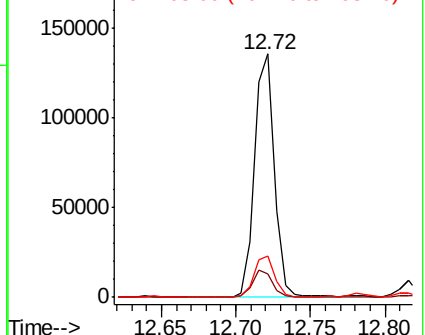
203 17.1 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

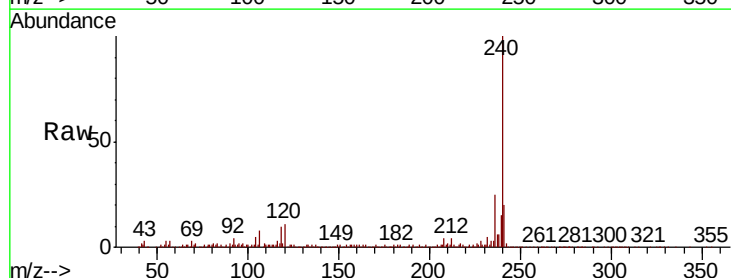
Tgt Ion:240 Resp: 241189

Ion Ratio Lower Upper

240 100

120 11.3 8.3 12.5

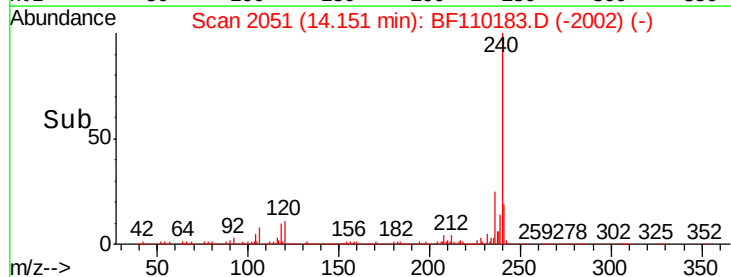
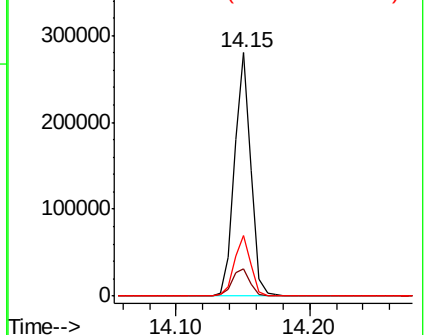
236 25.1 21.2 31.8

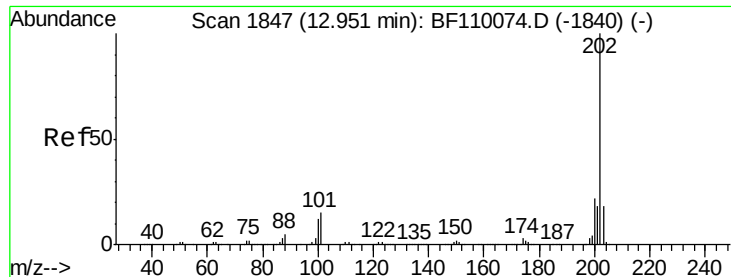


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.819 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

Instrument :

BNA_F

ClientSampleId :

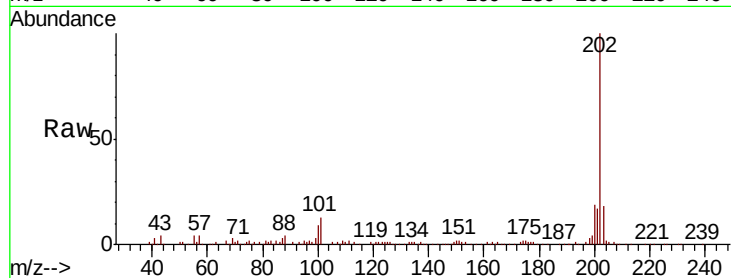
Tot Ion:202 Resp: 100613

Ion Ratio Lower Upper

202 100

200 19.3 17.8 26.6

203 17.8 14.2 21.4

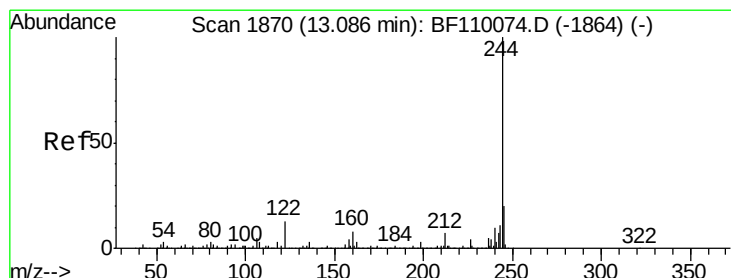
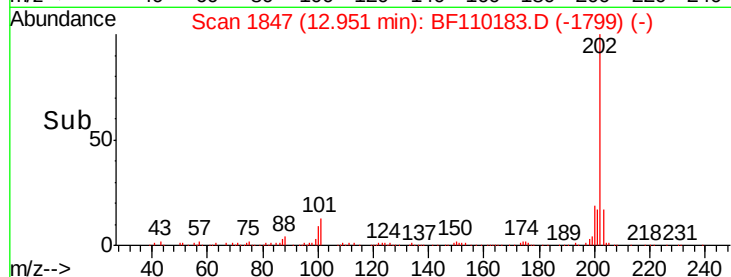
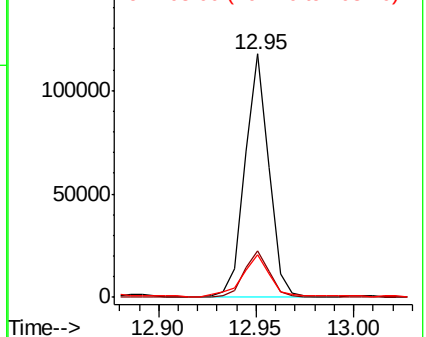


Abundance

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: 27.832 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

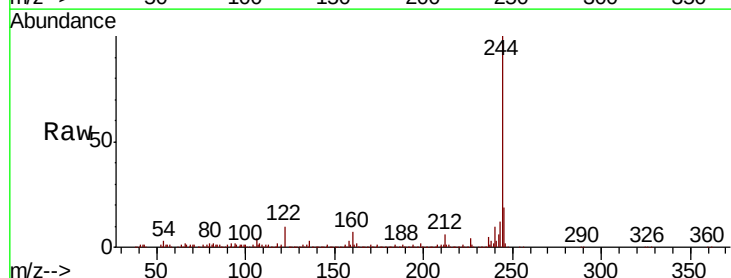
Tgt Ion:244 Resp: 322777

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

122 10.5 8.7 13.1

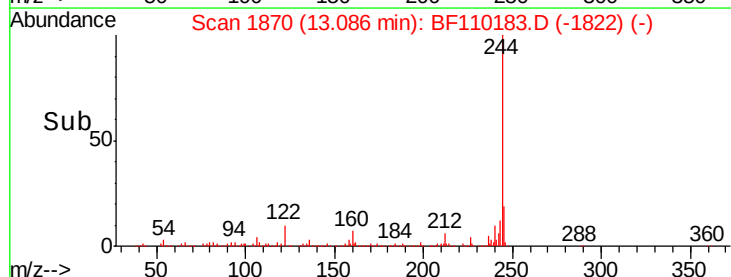
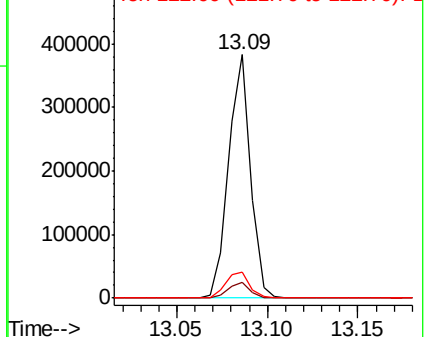


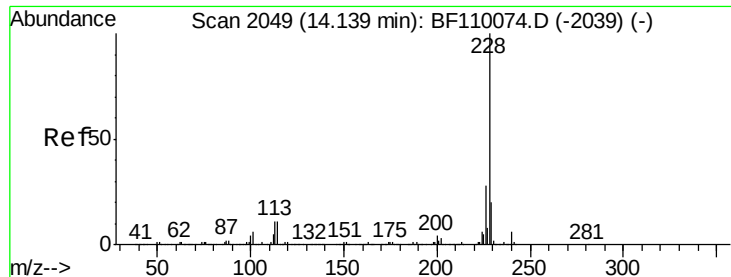
Abundance

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

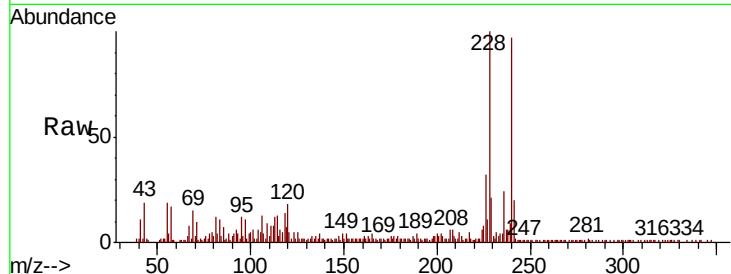




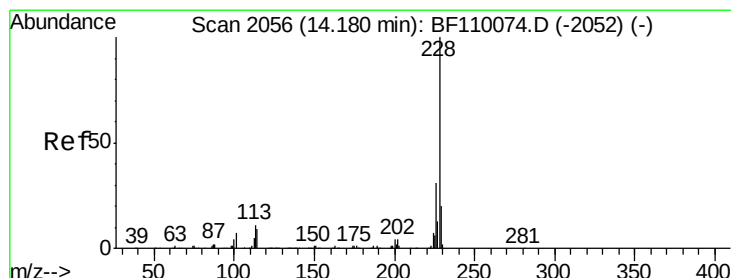
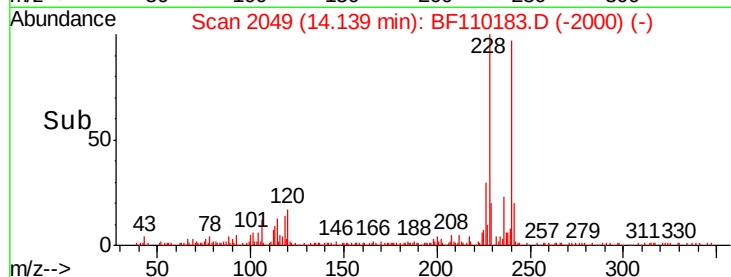
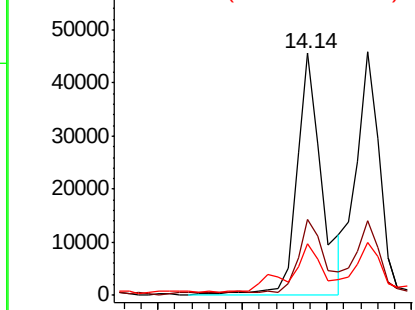
#81
Benzo(a)anthracene
Concen: 3.280 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 46913
Ion Ratio Lower Upper
228 100
226 31.5 22.1 33.1
229 21.2 15.6 23.4

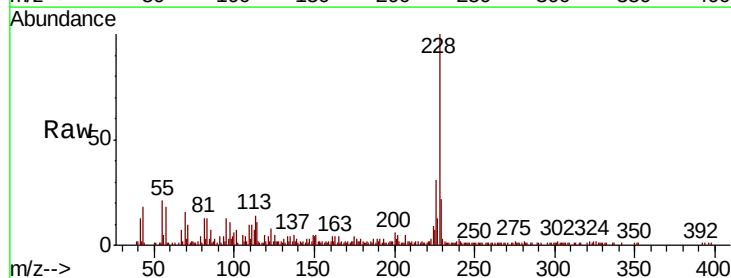


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

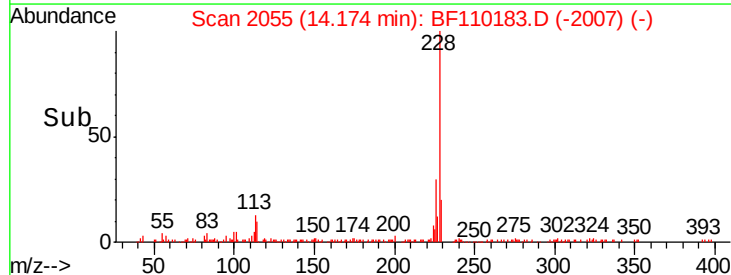
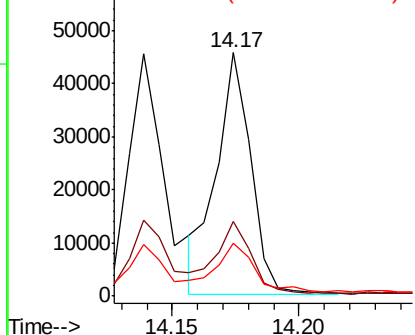


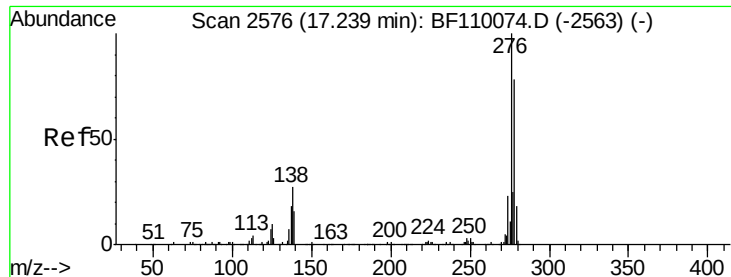
#83
Chrysene
Concen: 3.182 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Tgt Ion:228 Resp: 43226
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 21.8 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





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.199 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

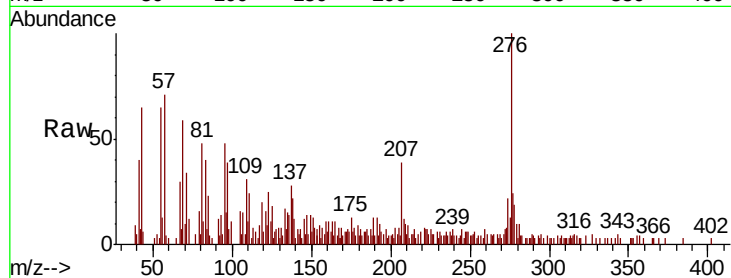
Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 24787

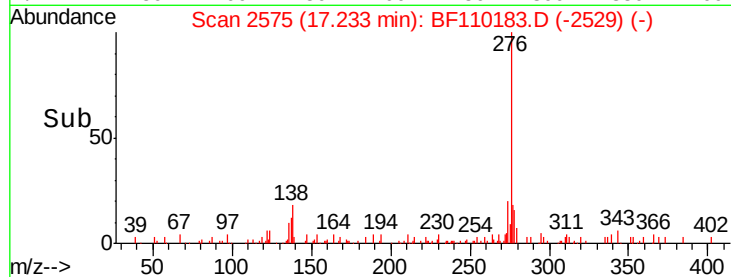
Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.5	27.7
277	24.3	20.0	30.0



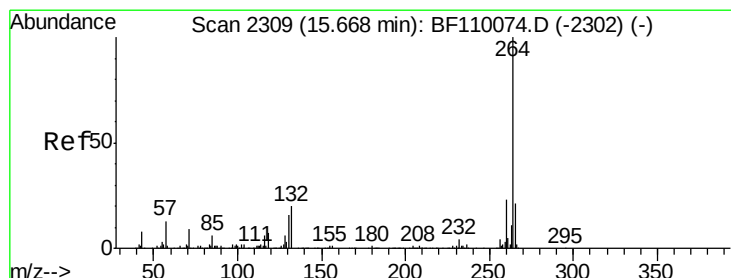
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

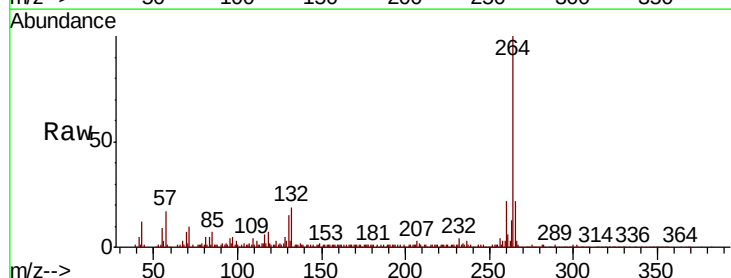
Delta R.T. -0.01 min

Lab File: BF110183.D

Acq: 26 Oct 2018 1:41

Tgt Ion:264 Resp: 186159

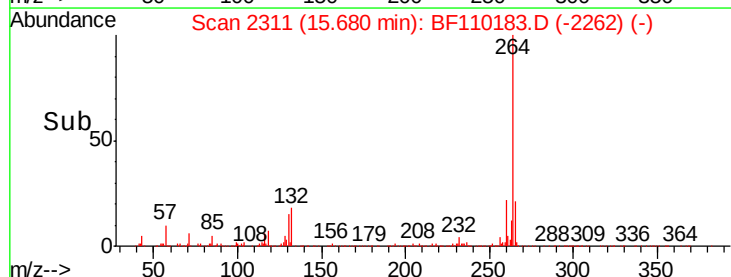
Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.7	28.1
265	21.5	16.7	25.1



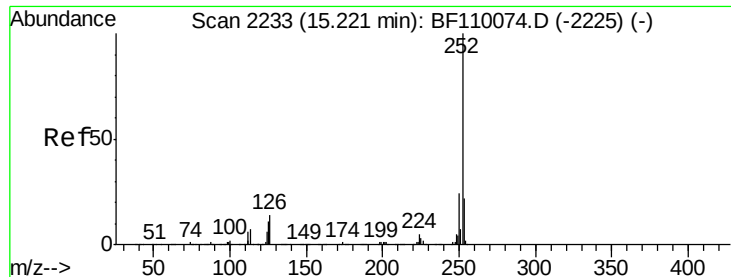
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



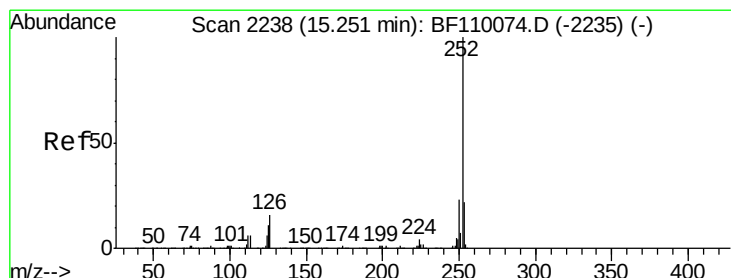
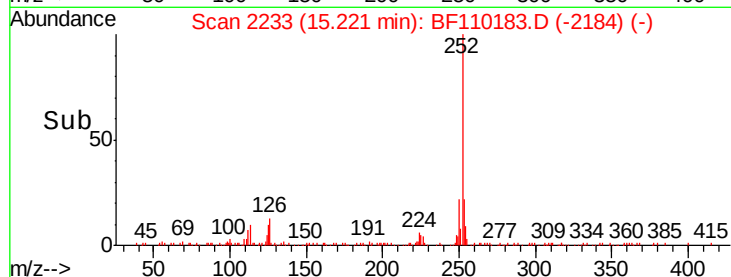
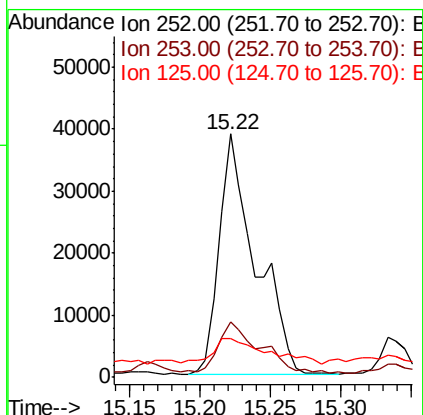
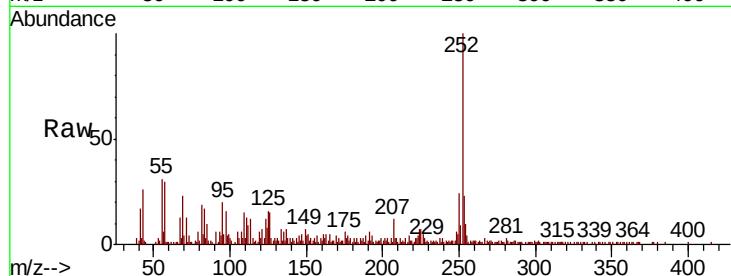
Time-->



#88
Benzo(b)fluoranthene
Concen: 6.553 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

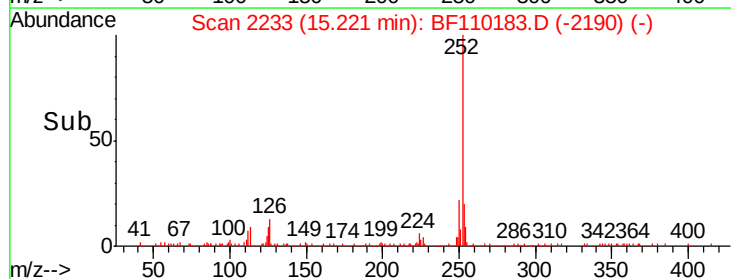
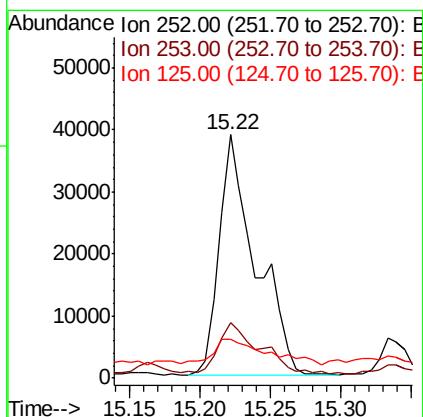
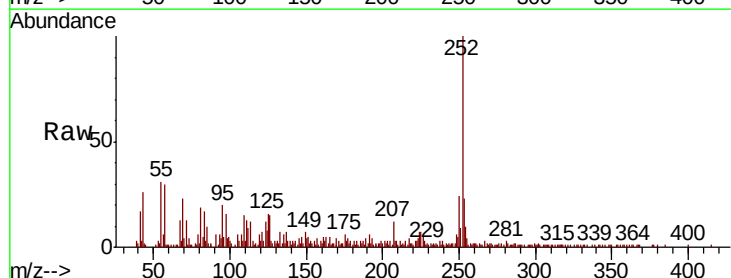
Instrument :
BNA_F
ClientSampleId :

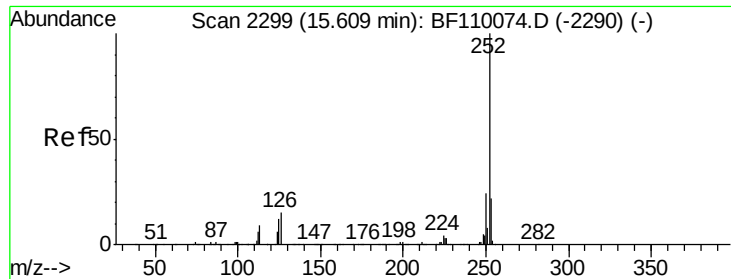
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	16.2	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 6.666 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	16.2	7.4	11.0

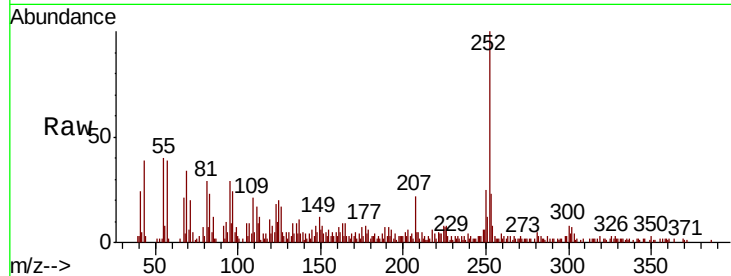




#90
Benzo(a)pyrene
Concen: 2.981 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	20.4	9.0	13.6

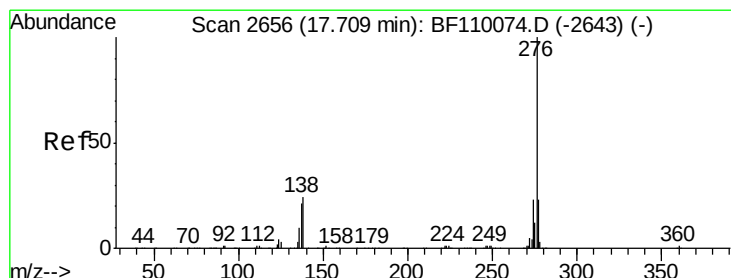
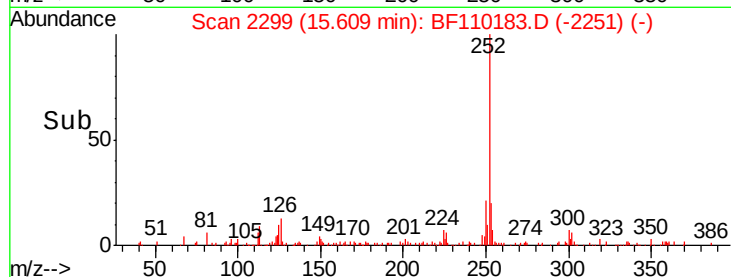
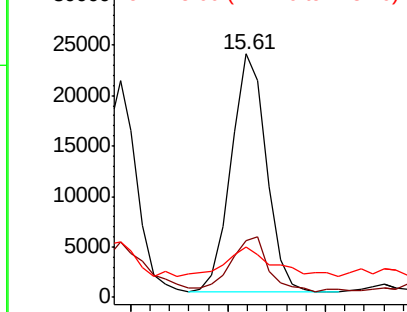


Abundance

Ion 252.00 (251.70 to 252.70): E

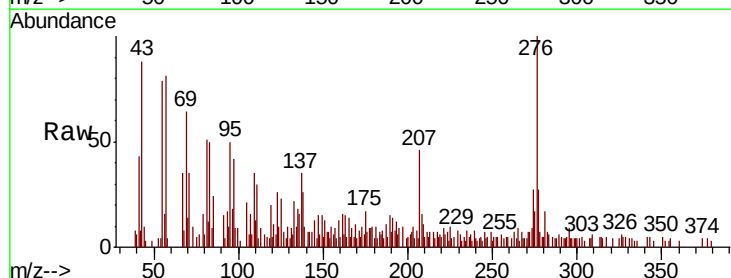
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.786 ng
RT: 17.72 min Scan# 2657
Delta R.T. -0.02 min
Lab File: BF110183.D
Acq: 26 Oct 2018 1:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.8	28.2
138	25.7	16.0	24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

