

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110287.D
 Acq On : 30 Oct 2018 2:42
 Operator : JU/SJ
 Sample : J5685-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 08:50:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

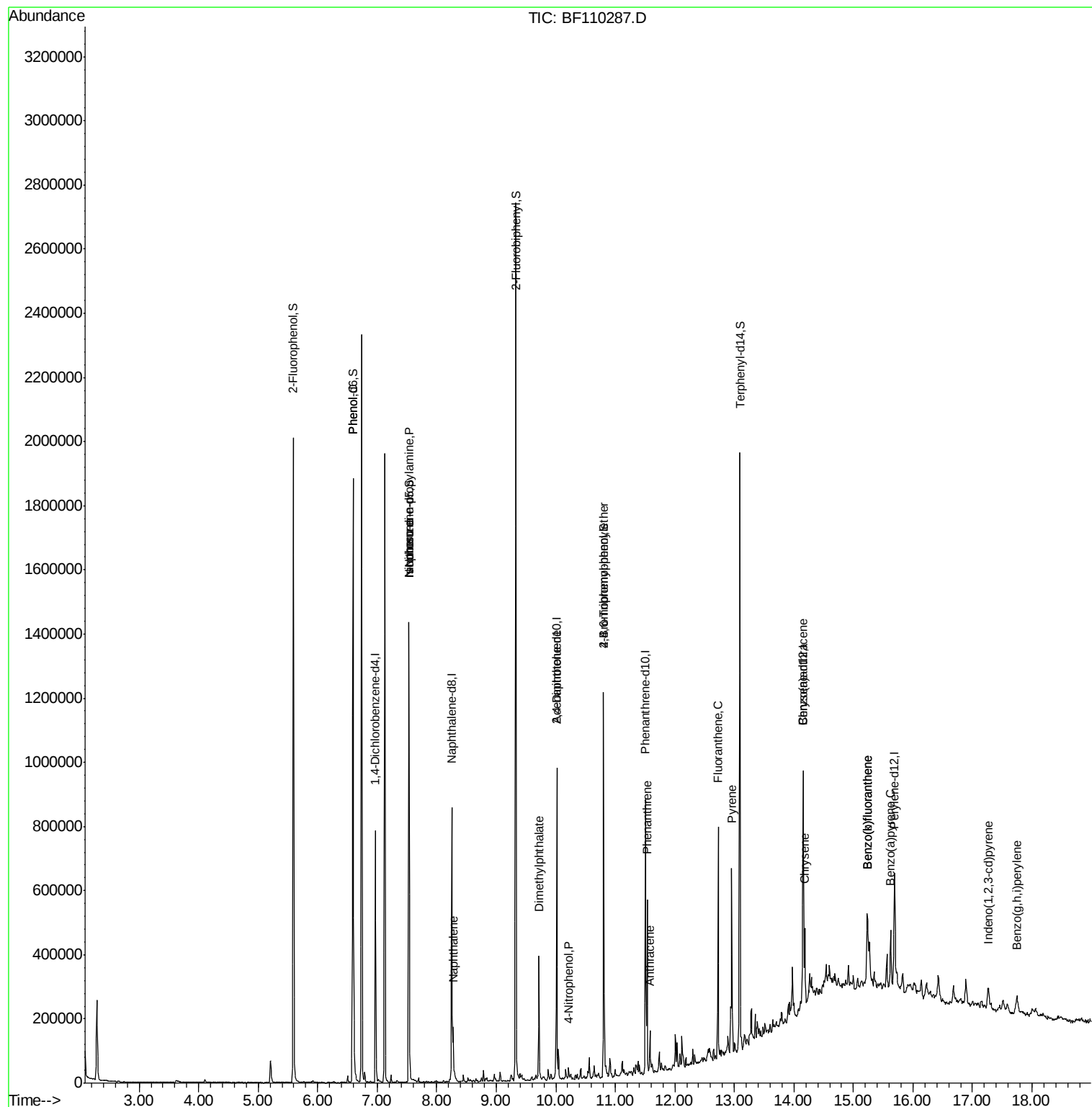
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	104979	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	425009	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	187551	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	308283	20.00	ng	0.00
76) Chrysene-d12	14.16	240	198969	20.00	ng	0.00
87) Perylene-d12	15.69	264	161803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	574847	89.17	ng	0.00
7) Phenol-d6	6.59	99	727041	88.17	ng	0.00
23) Nitrobenzene-d5	7.53	82	449157	62.68	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	139466	75.07	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	807356	67.60	ng	0.00
79) Terphenyl-d14	13.09	244	596544	62.35	ng	0.00
Target Compounds						
10) Phenol	6.60	94	50254	5.702	ng	# 70
19) n-Nitroso-di-n-propylamine	7.53	70	60686	11.472	ng	# 82
25) Isophorone	7.53	82	449151	36.772	ng	# 67
31) Naphthalene	8.27	128	56922	2.906	ng	97
50) Dimethylphthalate	9.72	163	141973	10.255	ng	100
56) 4-Nitrophenol	10.22	139	5762	2.195	ng	# 11
57) 2,4-Dinitrotoluene	10.02	165	24733	6.529	ng	# 20
67) 4-Bromophenyl-phenylether	10.80	248	8899	2.661	ng	# 1
71) Phenanthrene	11.53	178	193700	12.008	ng	99
72) Anthracene	11.59	178	54095	3.346	ng	98
75) Fluoranthene	12.73	202	269514	16.463	ng	98
77) Benzidine	12.92	184	506	Below Cal	#	1
78) Pvrene	12.96	202	233762	16.388	ng	98
81) Benzo(a)anthracene	14.15	228	119870	10.159	ng	98
83) Chrysene	14.19	228	101320	9.041	ng	97
86) Indeno(1,2,3-cd)pyrene	17.27	276	42196	4.539	ng	97
88) Benzo(b)fluoranthene	15.23	252	158651	16.980	ng	# 95
89) Benzo(k)fluoranthene	15.23	252	158651	17.272	ng	# 95
90) Benzo(a)pvrene	15.63	252	83259	9.684	ng	# 97
92) Benzo(a,h,i)perylene	17.75	276	39850	5.451	ng	95

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

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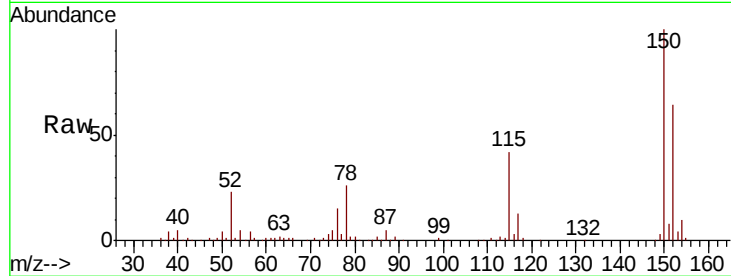


#1

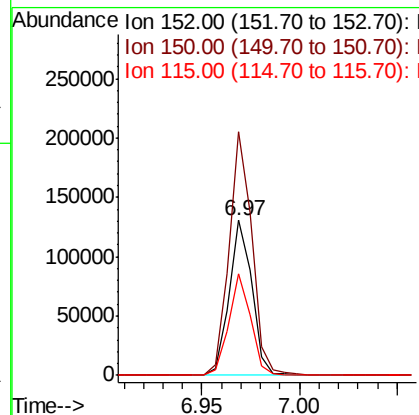
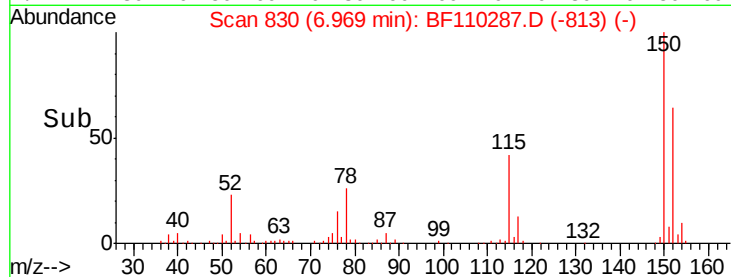
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 104979
Ion Ratio Lower Upper
152 100
150 157.4 122.7 184.1
115 66.0 49.1 73.7



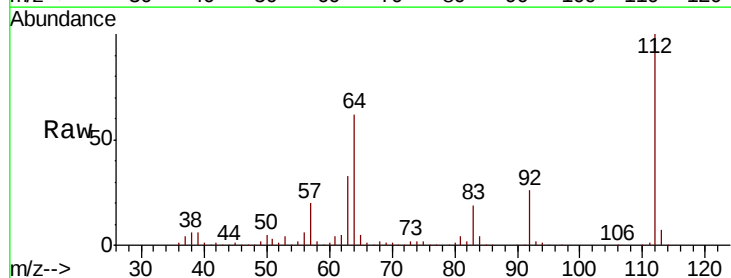
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



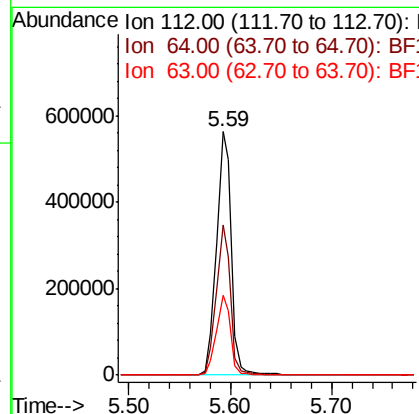
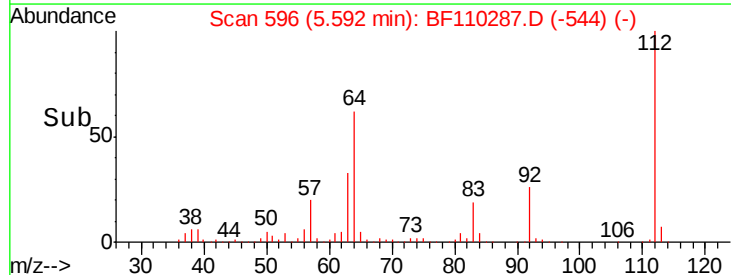
#5

2-Fluorophenol
Concen: 89.171 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion:112 Resp: 574847
Ion Ratio Lower Upper
112 100
64 61.7 44.1 66.1
63 32.8 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: 88.173 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Instrument :

BNA_F

ClientSampled :

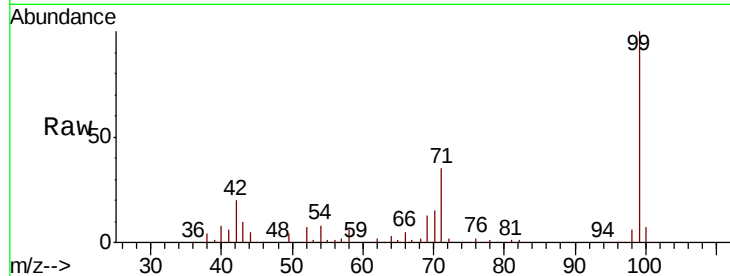
Tot Ion: 99 Resp: 727041

Ion Ratio Lower Upper

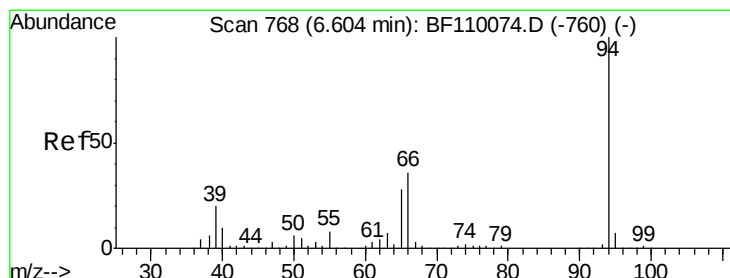
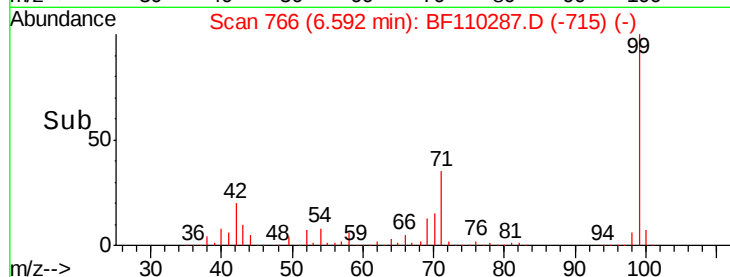
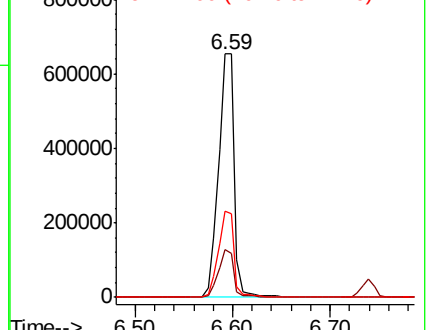
99 100

42 19.7 15.8 23.6

71 35.2 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: 5.702 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

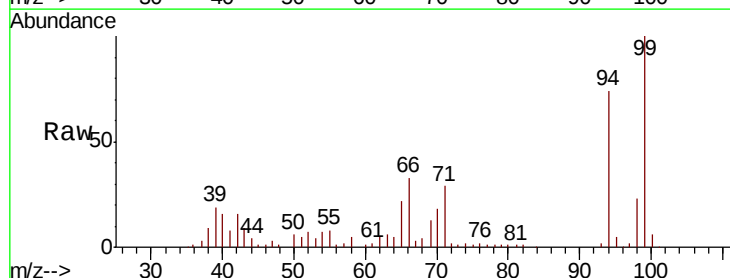
Tgt Ion: 94 Resp: 50254

Ion Ratio Lower Upper

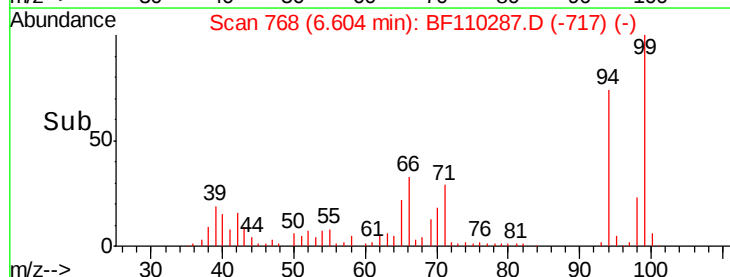
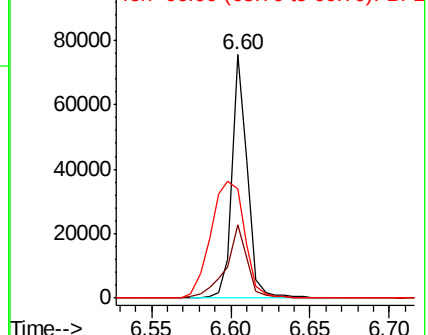
94 100

65 30.2 25.3 65.3

66 45.1 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

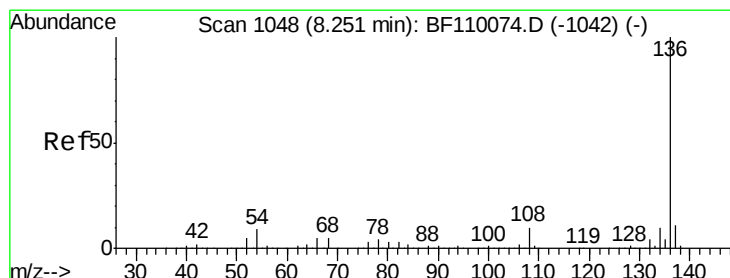
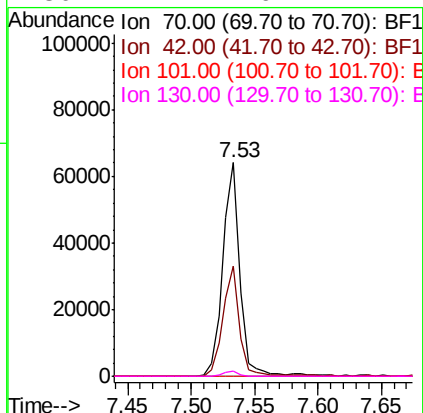
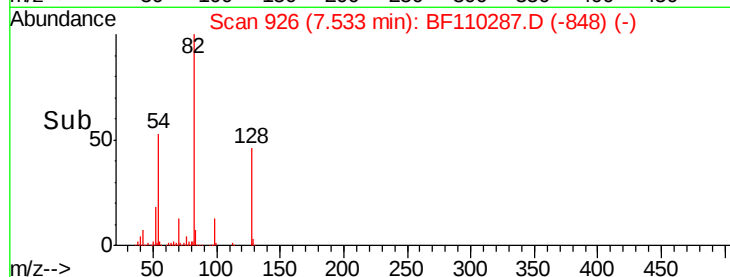
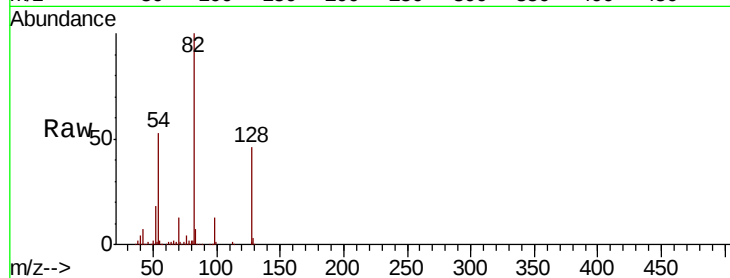




#19
n-Nitroso-di-n-propylamine
Concen: 11.472 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.16 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

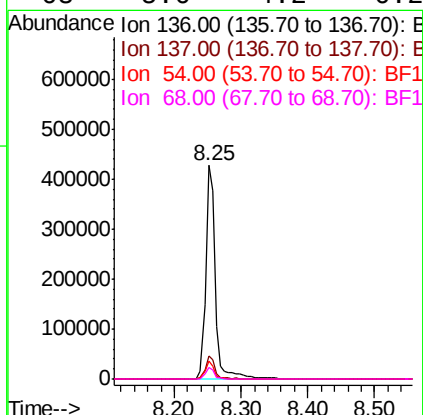
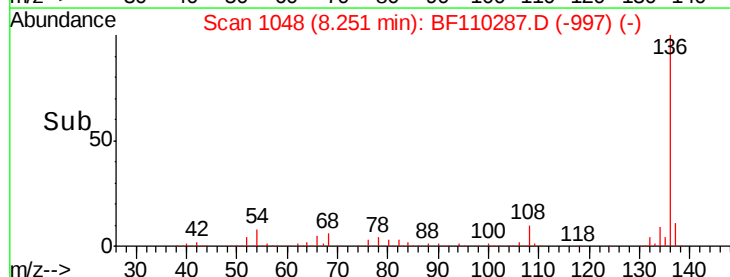
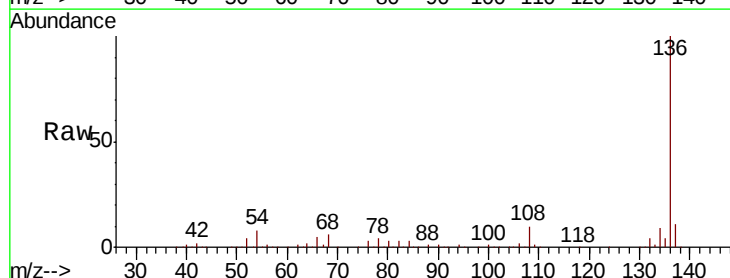
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 60686
Ion Ratio Lower Upper
70 100
42 51.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion: 136 Resp: 425009
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.4 5.4 8.2#
68 5.6 4.2 6.2

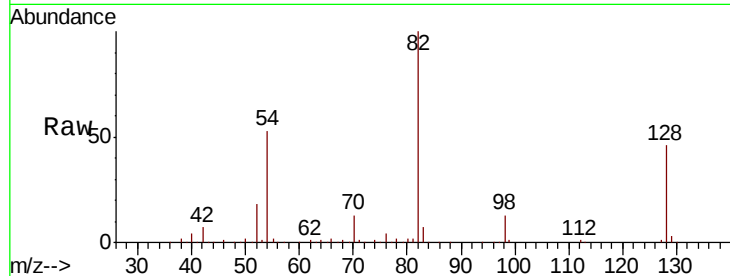




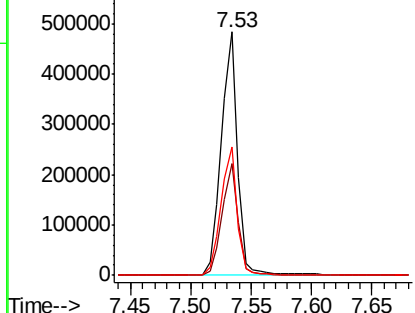
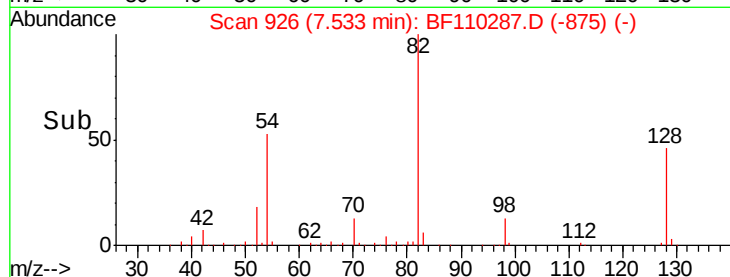
#23
Nitrobenzene-d5
Concen: 62.683 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.2	51.2
54	52.9	38.6	58.0

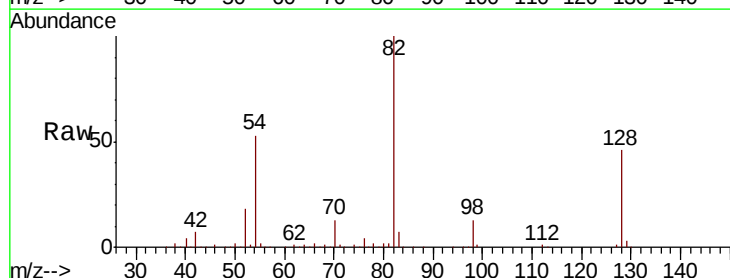


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

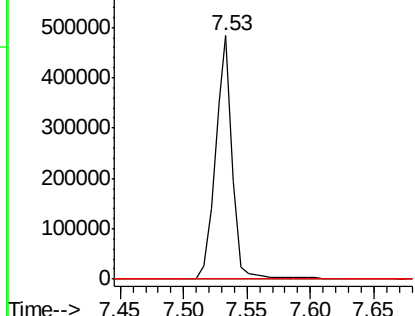
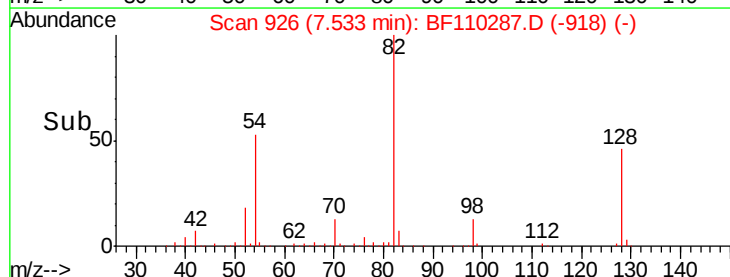


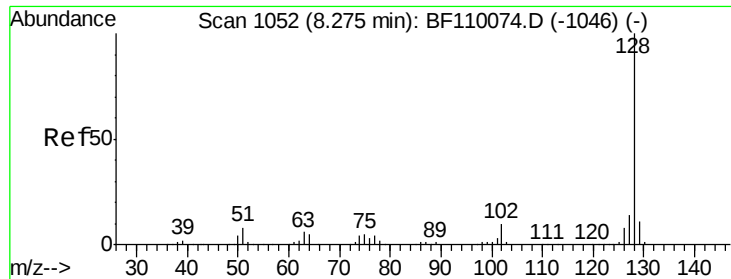
#25
Isophorone
Concen: 36.772 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

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

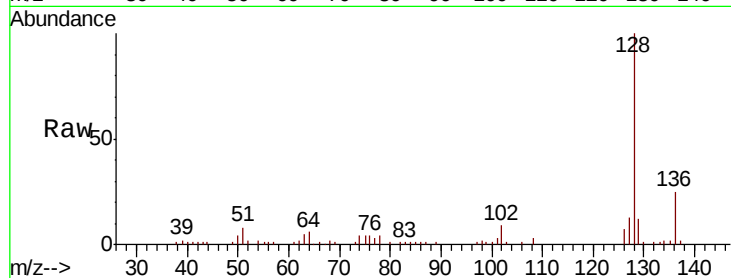




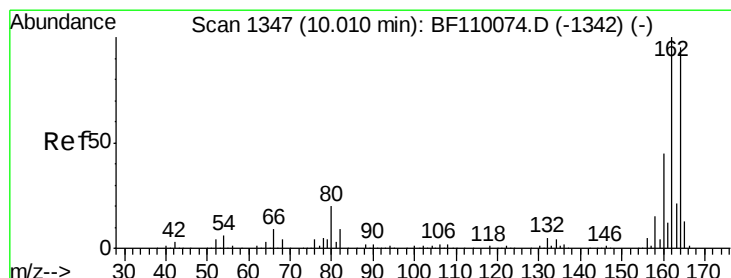
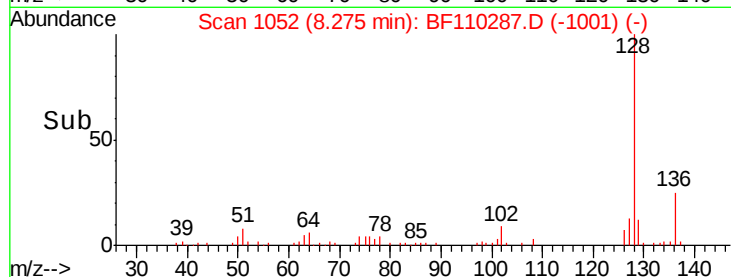
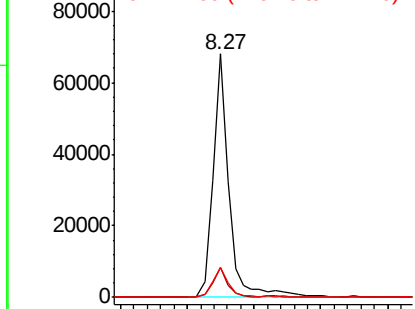
#31
Naphthalene
Concen: 2.906 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 56922
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 12.5 10.8 16.2

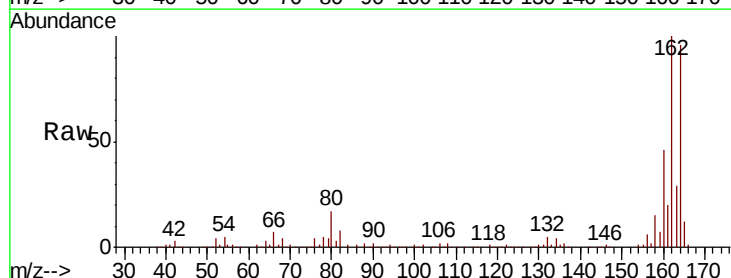


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

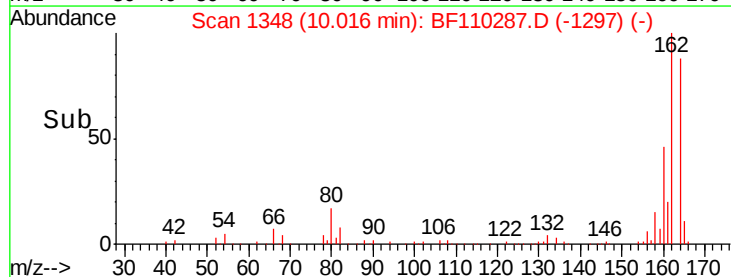
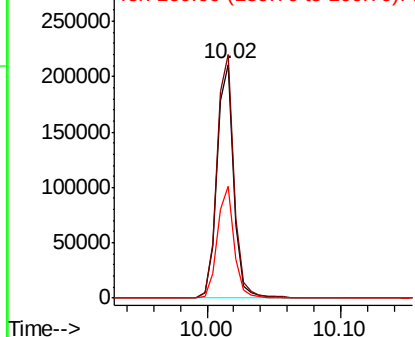


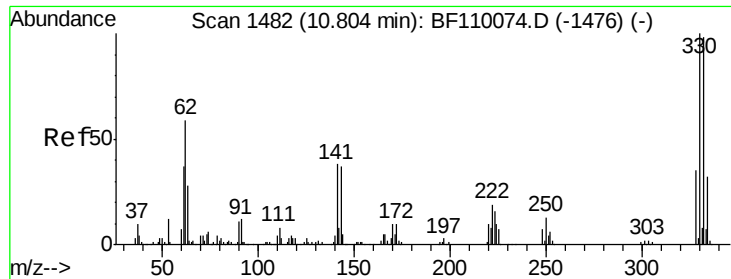
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion:164 Resp: 187551
Ion Ratio Lower Upper
164 100
162 104.1 83.0 124.6
160 47.6 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

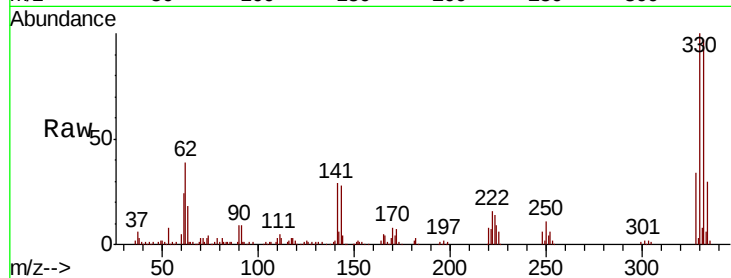




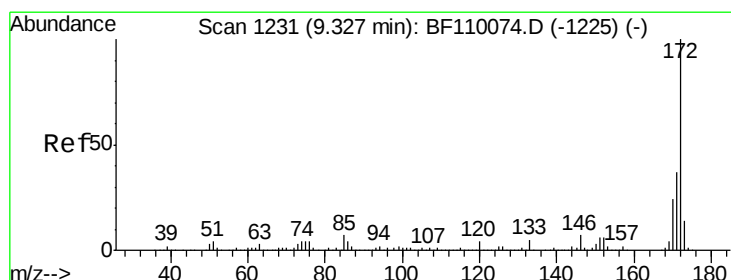
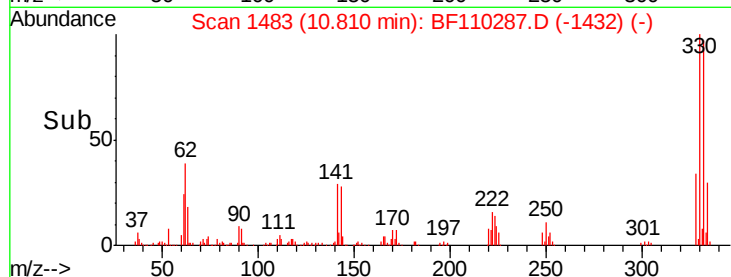
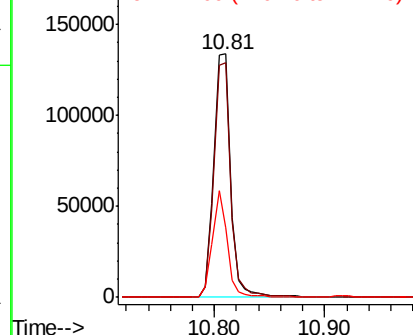
#42
 2,4,6-Tribromophenol
 Concen: 75.070 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF110287.D
 Acq: 30 Oct 2018 2:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	38.4	27.0	40.4

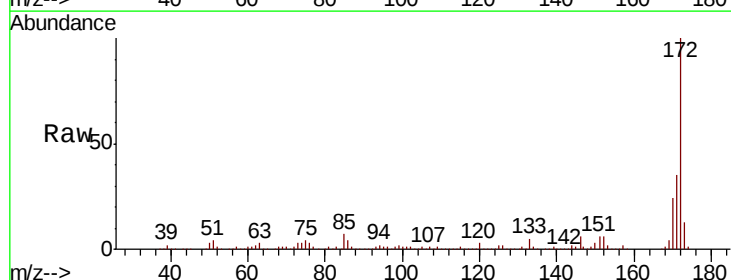


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

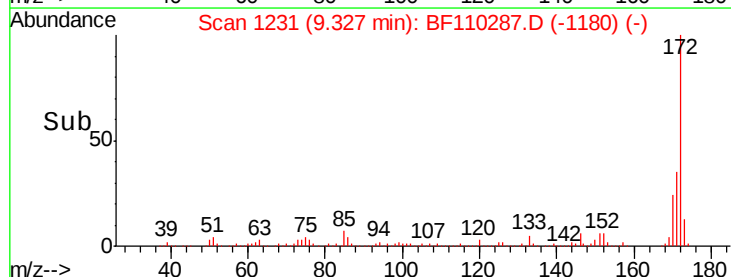
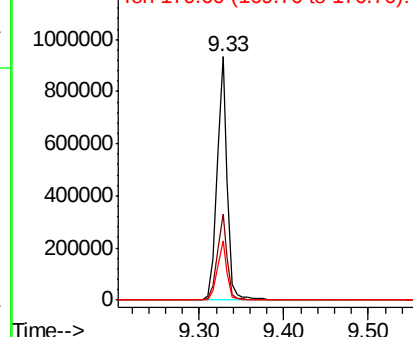


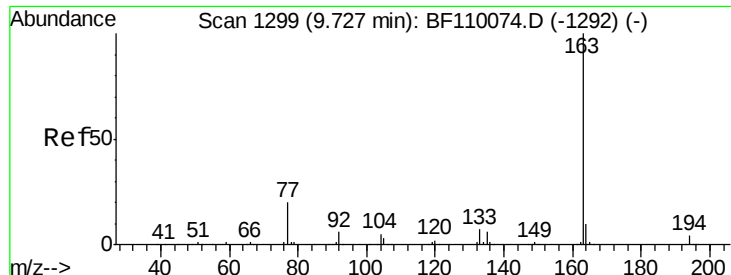
#45
 2-Fluorobiphenyl
 Concen: 67.595 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BF110287.D
 Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	24.1	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

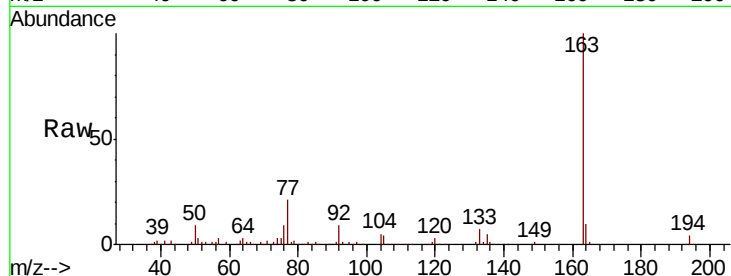




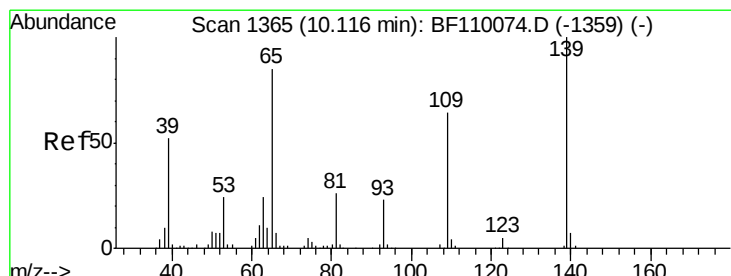
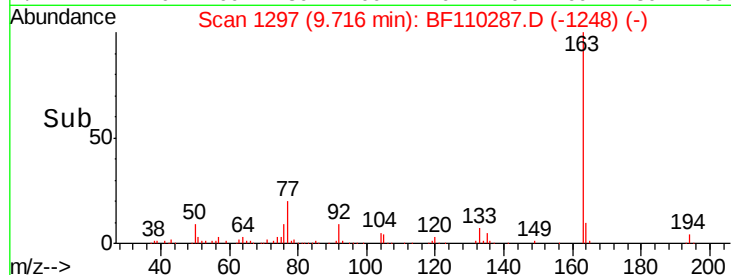
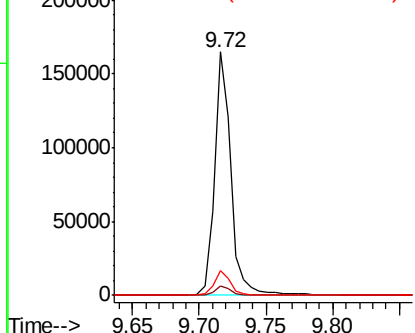
#50
Dimethylphthalate
Concen: 10.255 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 141973
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.1 8.1 12.1

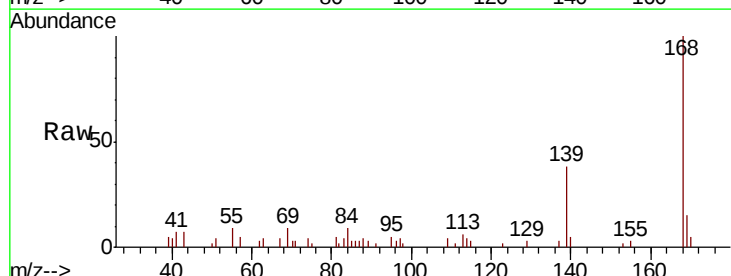


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

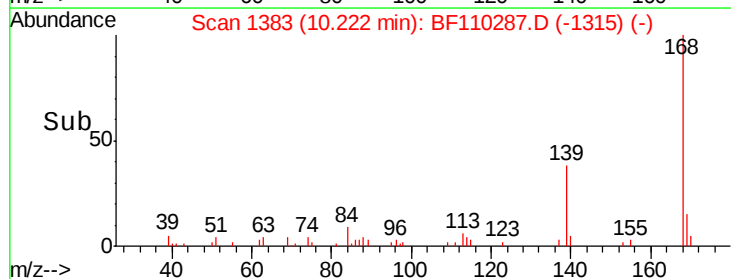
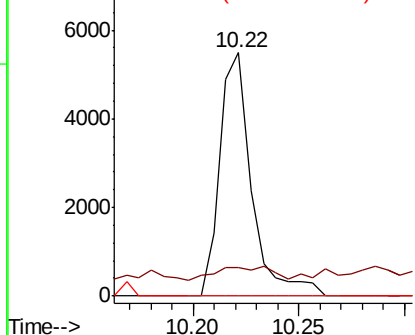


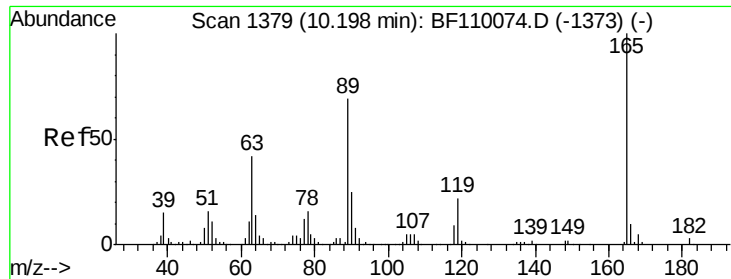
#56
4-Nitrophenol
Concen: 2.195 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.10 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion:139 Resp: 5762
Ion Ratio Lower Upper
139 100
109 11.6 55.8 95.8#
65 0.0 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

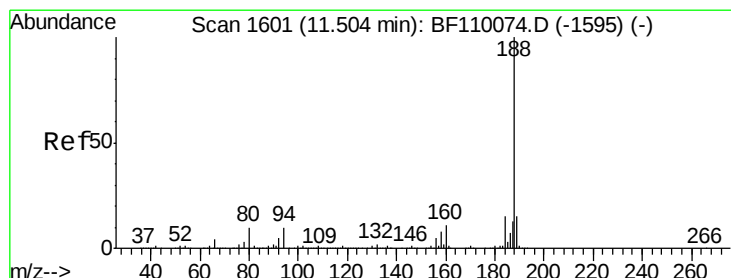
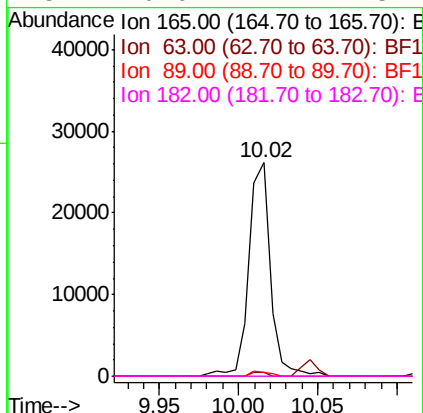
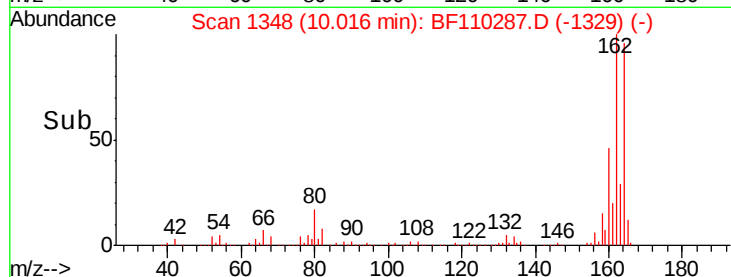
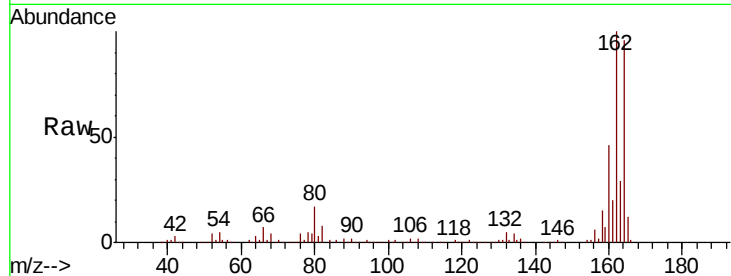




#57
2,4-Dinitrotoluene
Concen: 6.529 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

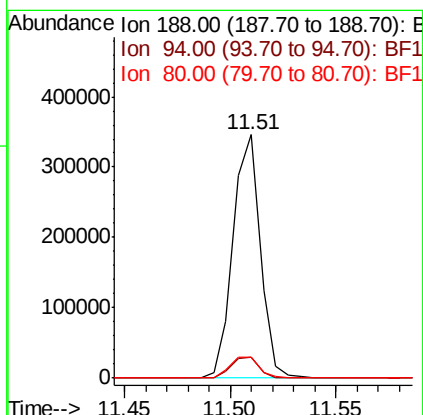
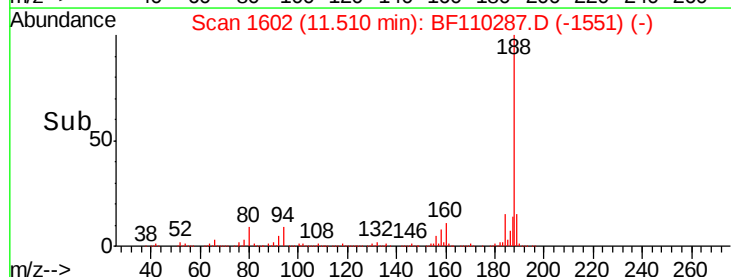
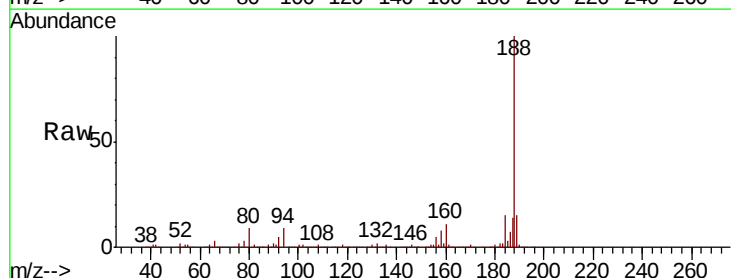
Instrument :
BNA_F
ClientSampleId :

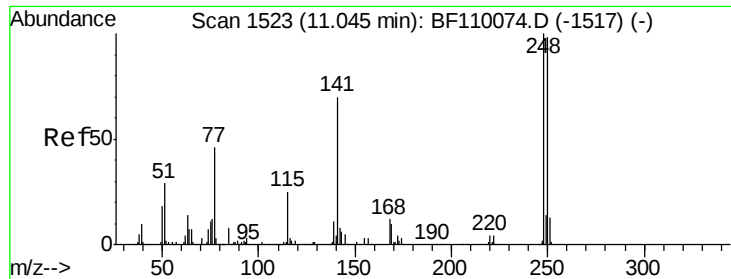
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.8	67.2#
89	2.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	8.8	7.9	11.9

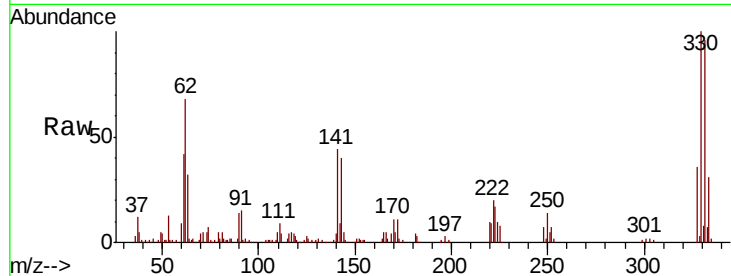




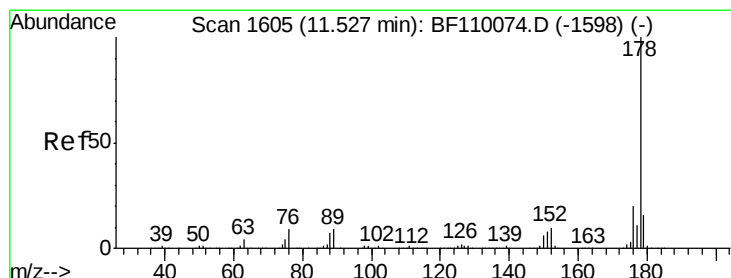
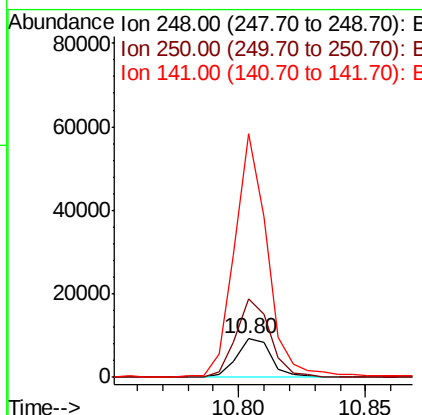
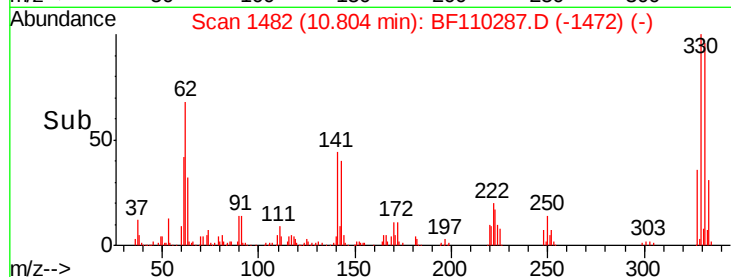
#67
4-Bromophenyl-phenylether
Concen: 2.661 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8899
Ion Ratio Lower Upper
248 100
250 205.4 79.4 119.2#
141 634.0 55.9 83.9#

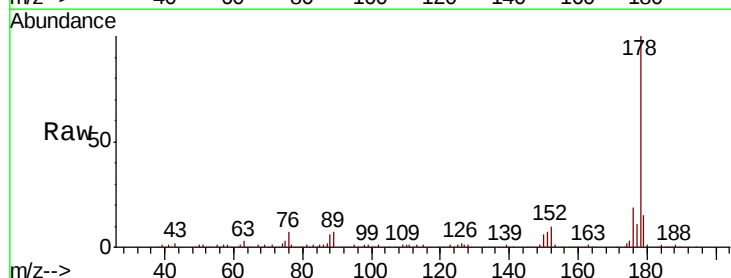


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

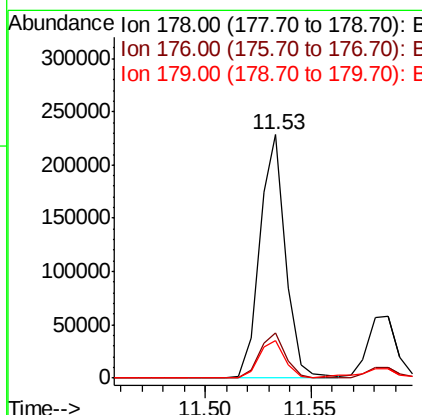
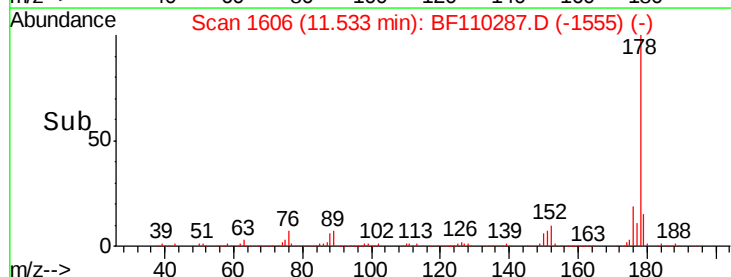


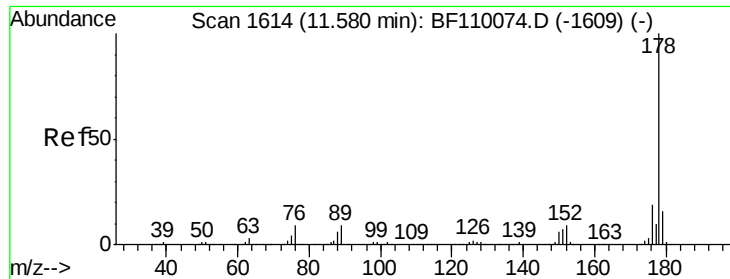
#71
Phenanthrene
Concen: 12.008 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion:178 Resp: 193700
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.4 12.5 18.7



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: 3.346 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

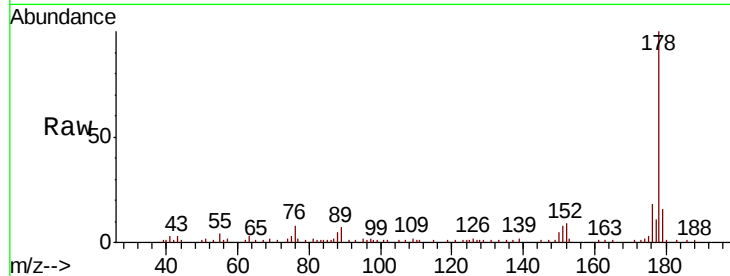
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 54095

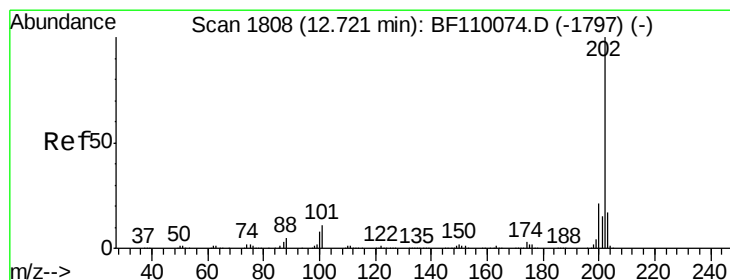
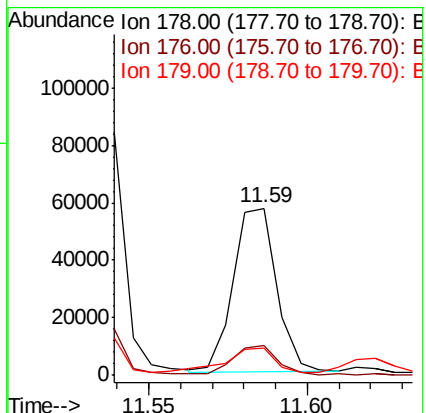
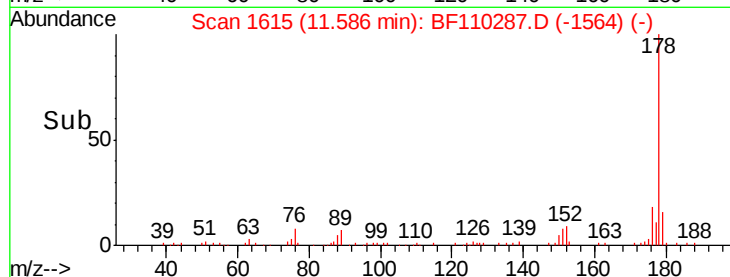
Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	16.1	12.6	18.8



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



#75

Fluoranthene

Concen: 16.463 ng

RT: 12.73 min Scan# 1809

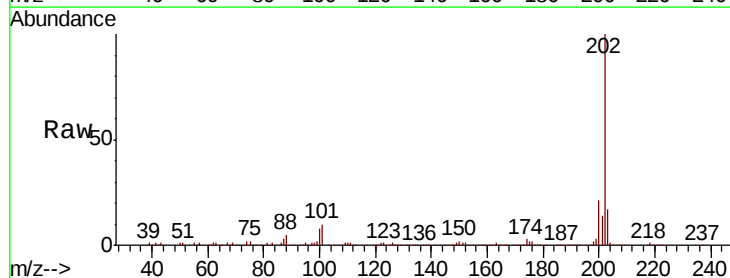
Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Tgt Ion:202 Resp: 269514

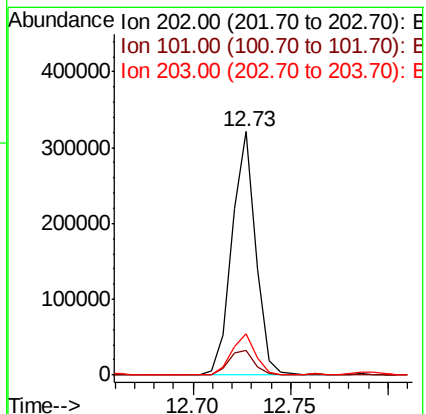
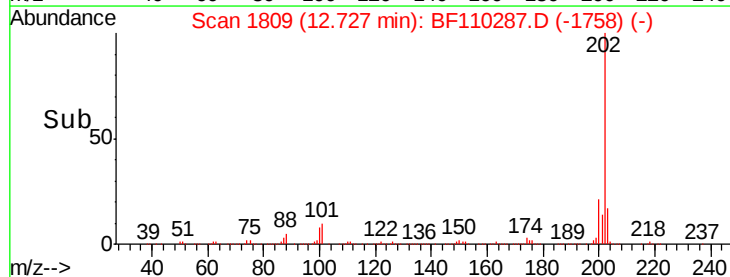
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.0	0.0	37.7

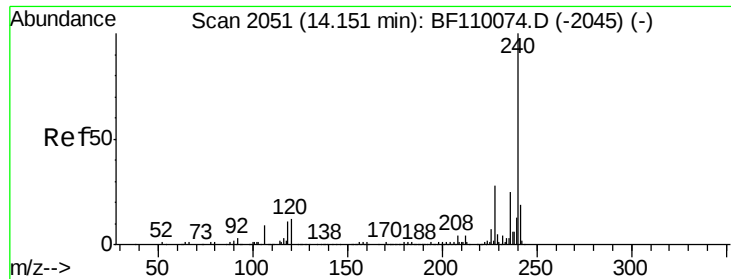


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

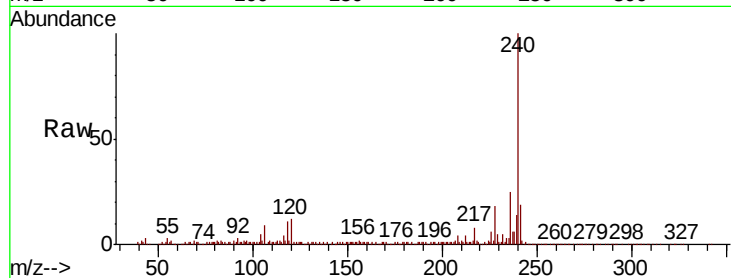




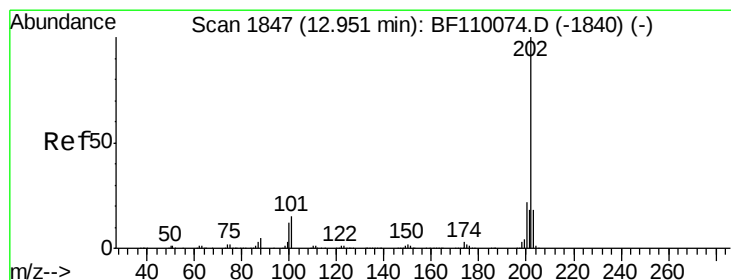
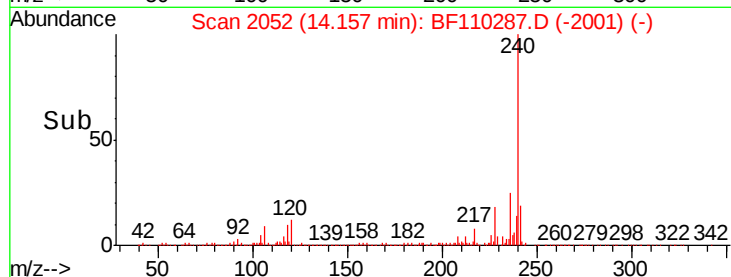
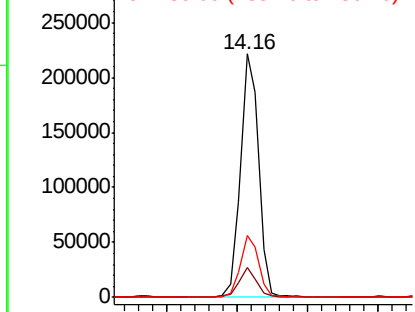
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.3	12.5
236	25.4	21.2	31.8

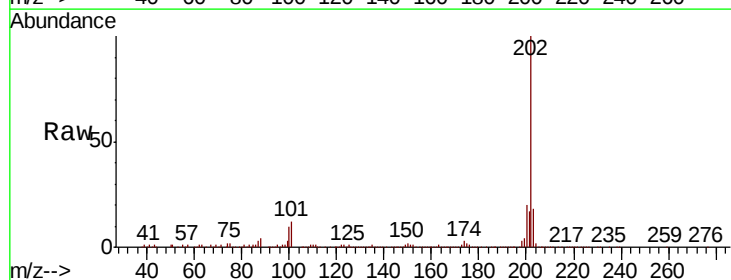


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

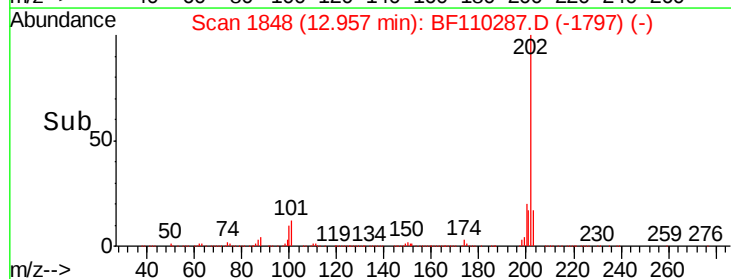
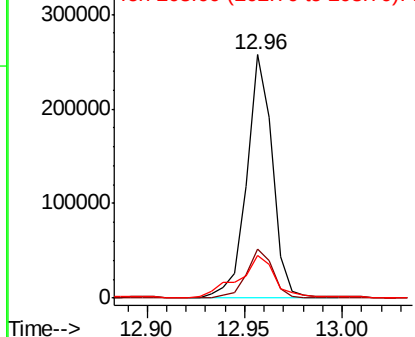


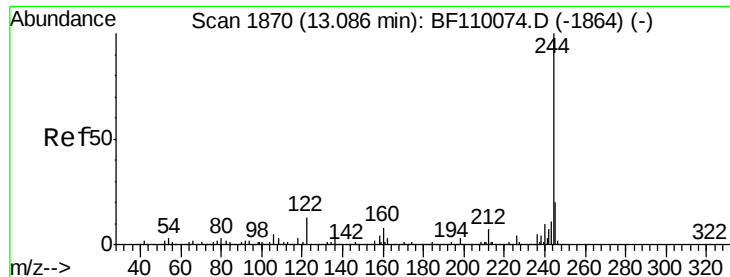
#78
Pyrene
Concen: 16.388 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.6	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: 62.353 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Instrument :

BNA_F

ClientSampleId :

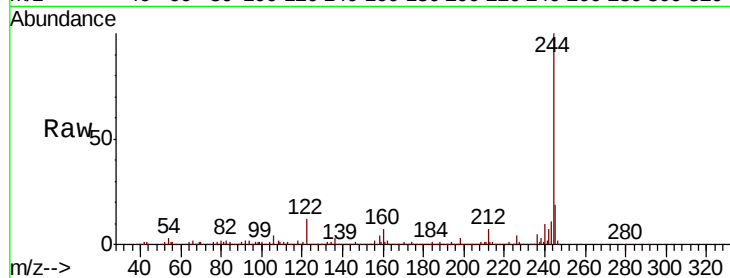
Tot Ion:244 Resp: 596544

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

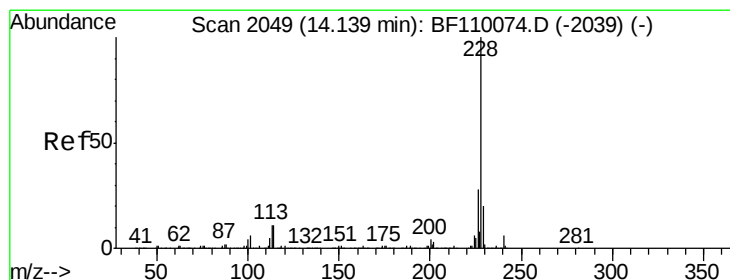
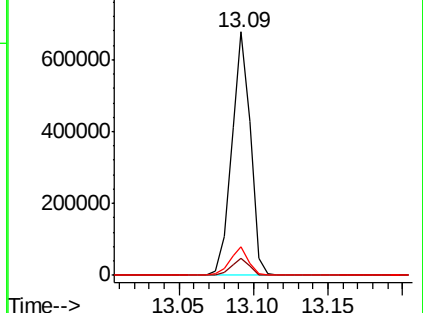
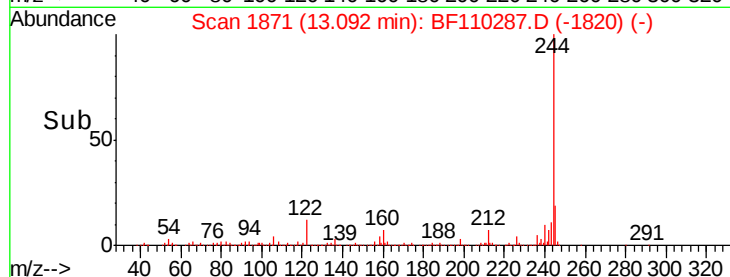
122 11.7 8.7 13.1



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: 10.159 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

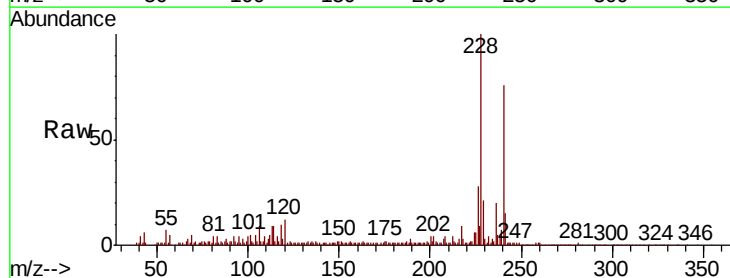
Tgt Ion:228 Resp: 119870

Ion Ratio Lower Upper

228 100

226 28.0 22.1 33.1

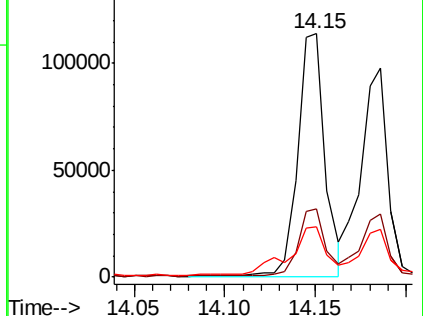
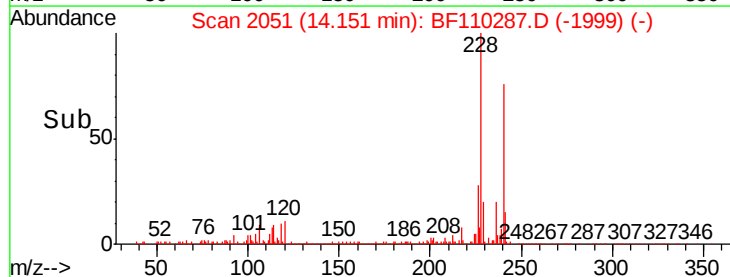
229 20.9 15.6 23.4

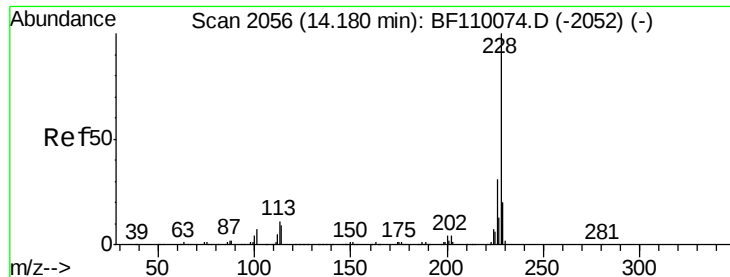


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.041 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

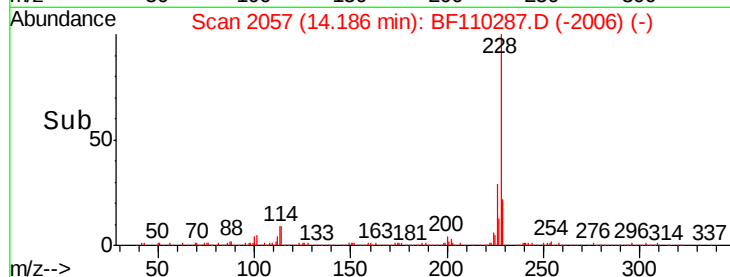
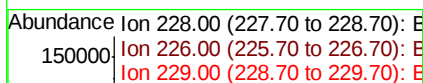
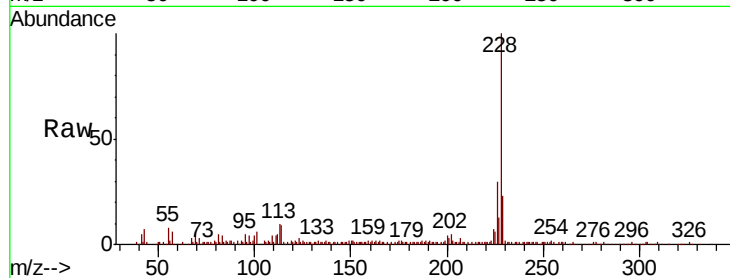
Instrument :

BNA_F

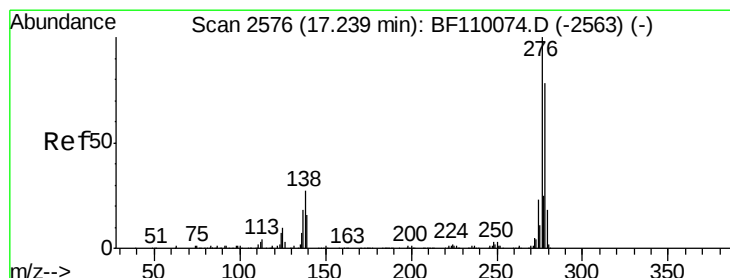
ClientSampleId :

Tot Ion:228 Resp: 101320

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	22.7	15.9	23.9



Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.539 ng

RT: 17.27 min Scan# 2581

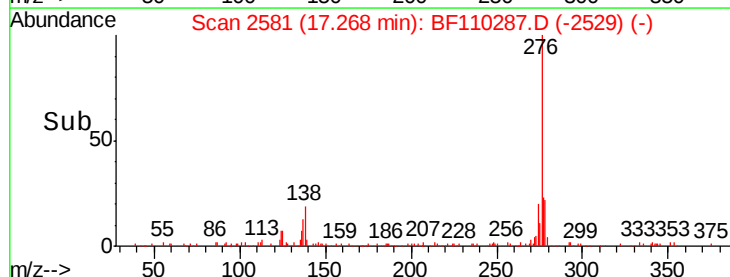
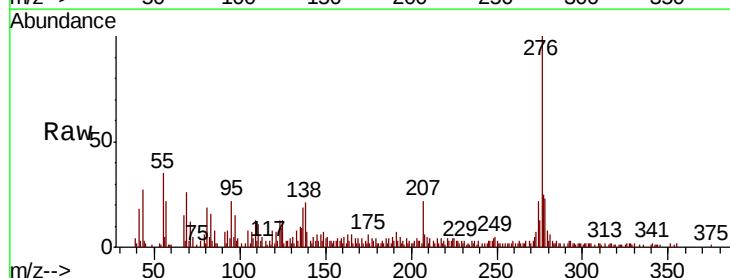
Delta R.T. 0.01 min

Lab File: BF110287.D

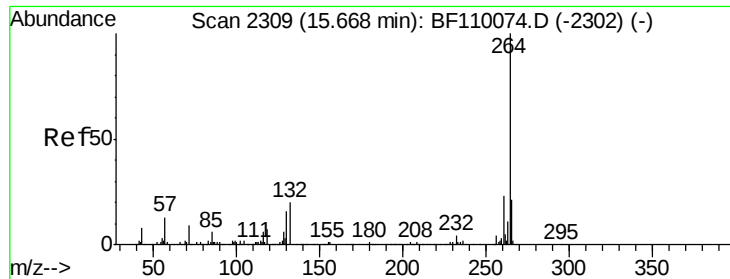
Acq: 30 Oct 2018 2:42

Tgt Ion:276 Resp: 42196

Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.5	27.7
277	27.8	20.0	30.0



Time-->



#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Instrument :

BNA_F

ClientSampleId :

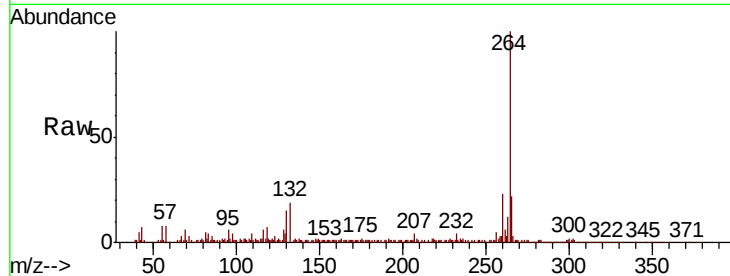
Tot Ion:264 Resp: 161803

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

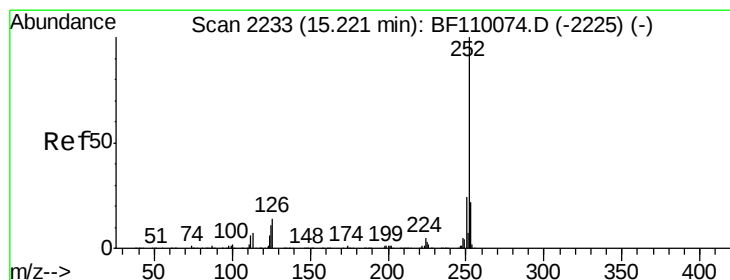
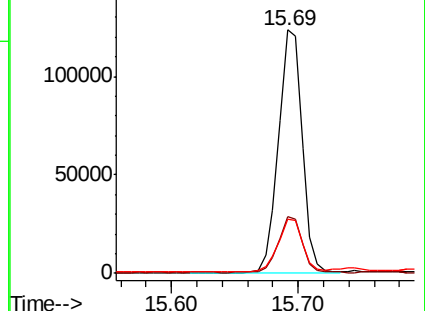
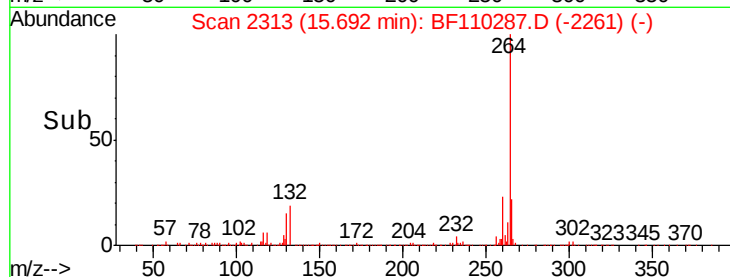
265 22.2 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 16.980 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

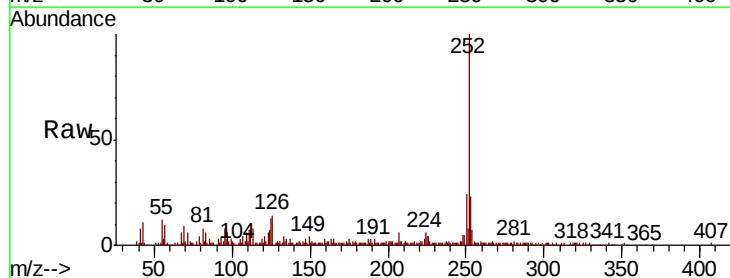
Tgt Ion:252 Resp: 158651

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

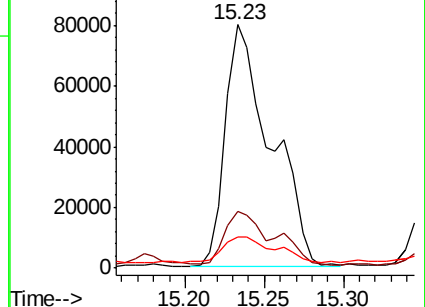
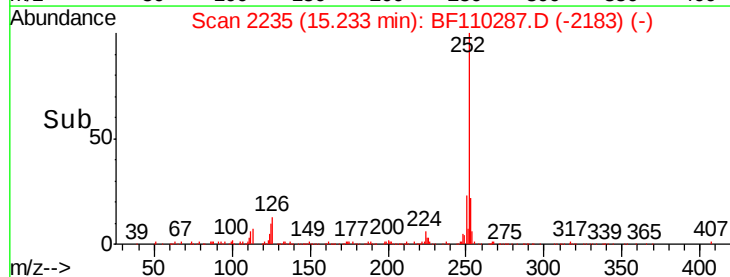
125 12.9 8.2 12.4#

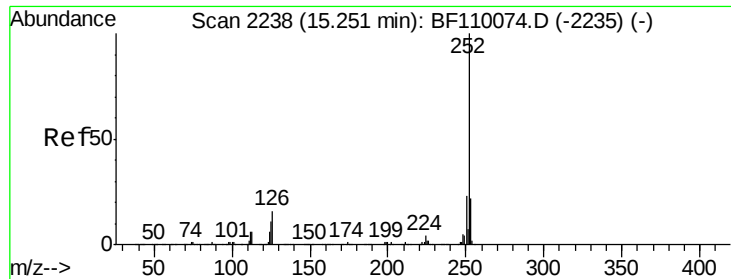


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

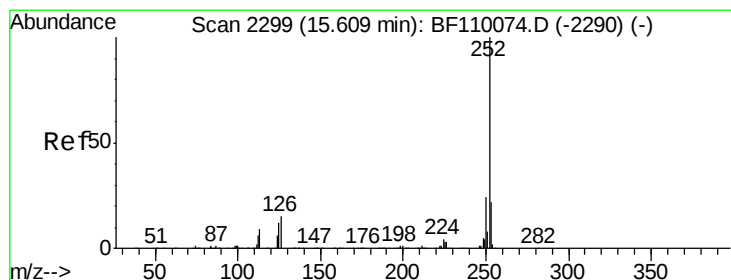
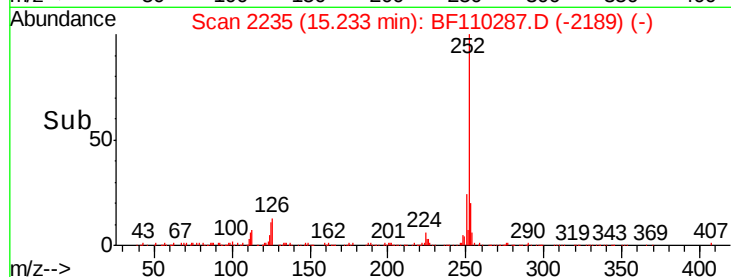
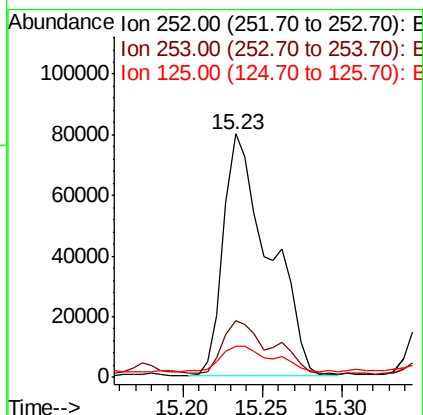
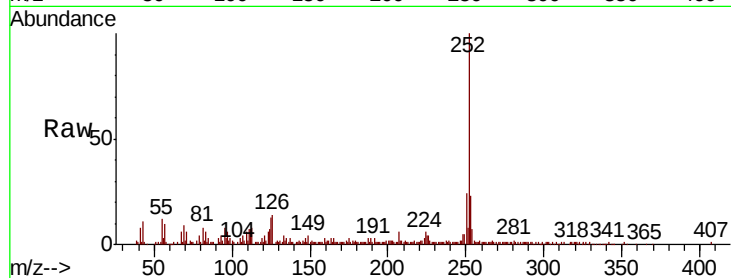




#89
Benzo(k)fluoranthene
Concen: 17.272 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

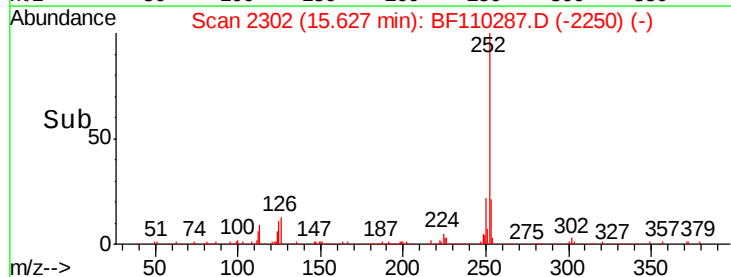
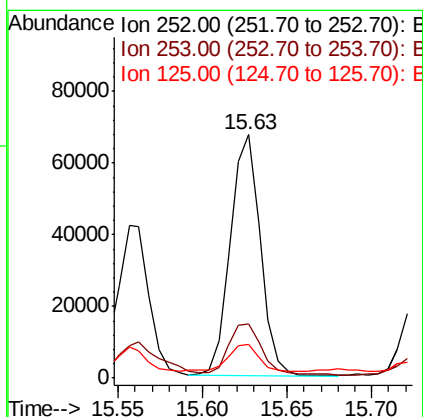
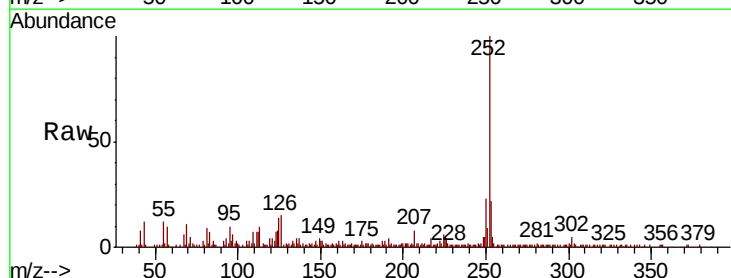
Instrument :
BNA_F
ClientSampleId :

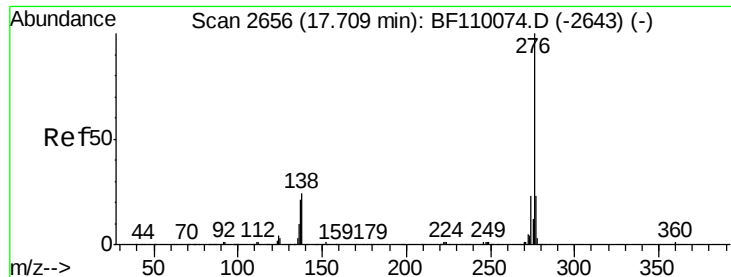
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.9	7.4	11.0



#90
Benzo(a)pyrene
Concen: 9.684 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	14.0	9.0	13.6

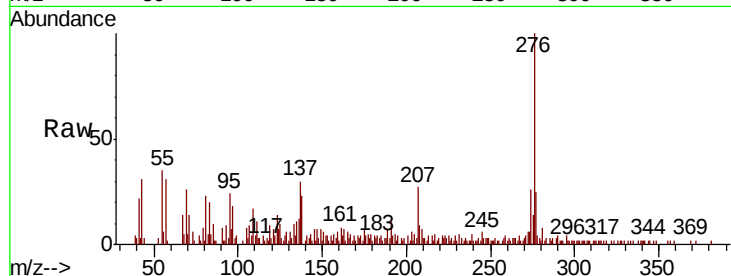




#92
 Benzo(a,h,i)perylene
 Concen: 5.451 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. 0.01 min
 Lab File: BF110287.D
 Acq: 30 Oct 2018 2:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	23.1	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

