

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110329.D
 Acq On : 31 Oct 2018 13:39
 Operator : JU/SJ
 Sample : J5649-06RX
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 14:17:29 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	89388	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	381710	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	186221	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	348795	20.00	ng	0.00
76) Chrysene-d12	14.16	240	201231	20.00	ng	0.00
87) Perylene-d12	15.70	264	180910	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	495412	90.25	ng	0.01
7) Phenol-d6	6.60	99	634164	90.32	ng	0.00
23) Nitrobenzene-d5	7.53	82	398594	61.94	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	159402	86.41	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	726205	61.24	ng	0.00
79) Terphenyl-d14	13.10	244	634317	65.56	ng	0.00

Target Compounds

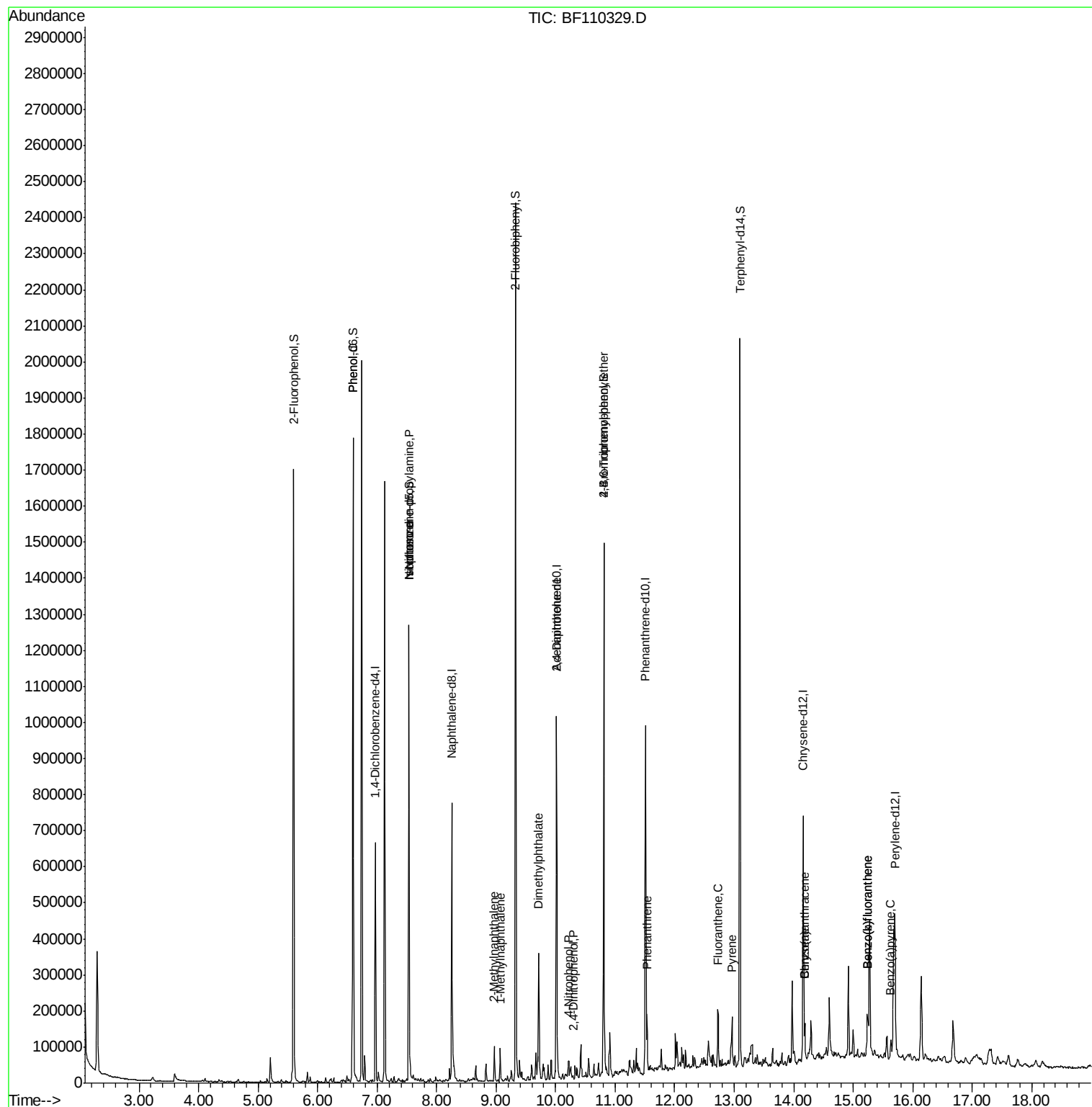
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	1309	Below Cal		# 12
10) Phenol	6.60	94	52409	6.983	ng	# 74
19) n-Nitroso-di-n-propylamine	7.53	70	53971	11.982	ng	# 79
25) Isophorone	7.53	82	398591	36.335	ng	# 67
37) 2-Methylnaphthalene	8.97	142	28965	2.488	ng	# 98
38) 1-Methylnaphthalene	9.07	142	24590	2.186	ng	# 98
50) Dimethylphthalate	9.72	163	133136	9.685	ng	# 97
54) 2,4-Dinitrophenol	10.29	184	114	5.266	ng	# 12
56) 4-Nitrophenol	10.22	139	6562	2.518	ng	# 9
57) 2,4-Dinitrotoluene	10.02	165	24708	6.569	ng	# 20
67) 4-Bromophenyl-phenylether	10.81	248	10538	2.785	ng	# 1
71) Phenanthrene	11.53	178	50398	2.761	ng	# 99
75) Fluoranthene	12.73	202	58258	3.145	ng	# 97
78) Pyrene	12.96	202	52848	3.663	ng	# 98
81) Benzo(a)anthracene	14.19	228	39628	3.321	ng	# 92
83) Chrysene	14.19	228	39628	3.496	ng	# 96
88) Benzo(b)fluoranthene	15.24	252	66273	6.344	ng	# 95
89) Benzo(k)fluoranthene	15.24	252	66273	6.453	ng	# 94
90) Benzo(a)pyrene	15.63	252	22178	2.307	ng	# 97

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

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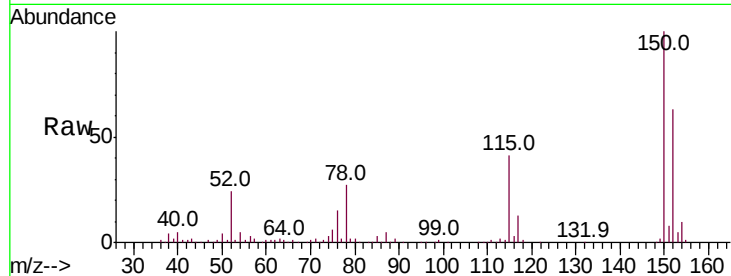


#1

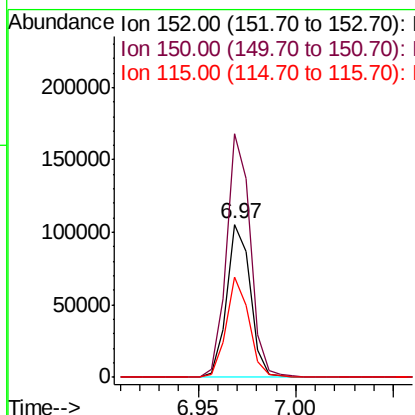
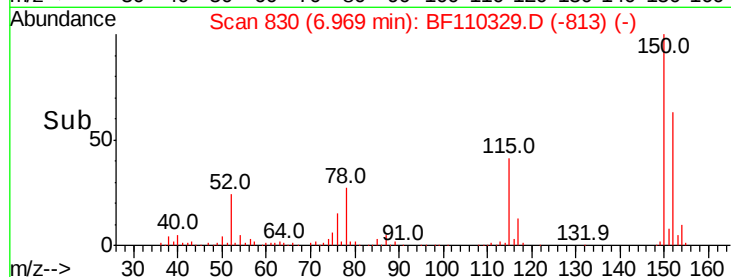
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89388
Ion Ratio Lower Upper
152 100
150 159.1 122.7 184.1
115 65.5 49.1 73.7



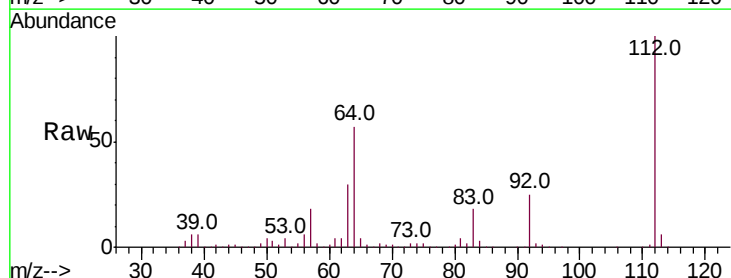
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



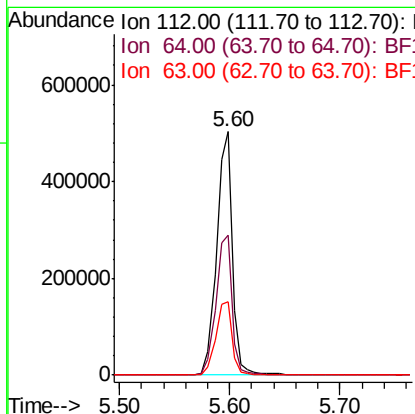
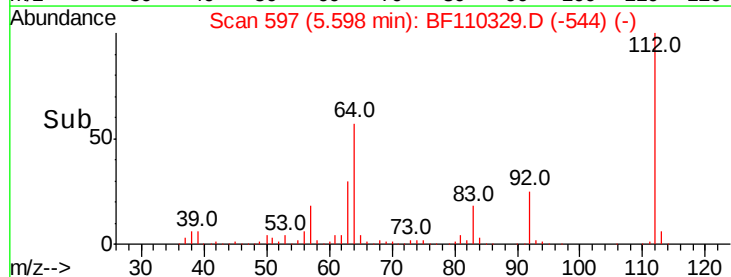
#5

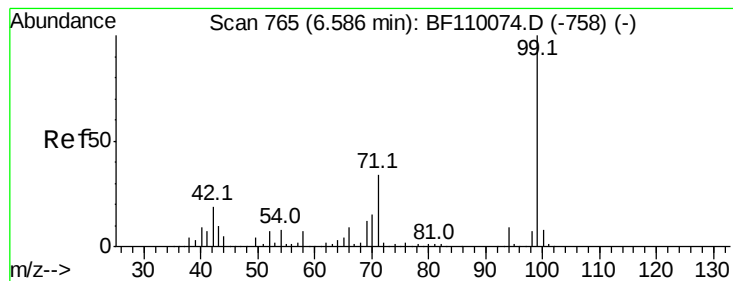
2-Fluorophenol
Concen: 90.253 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion:112 Resp: 495412
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 29.9 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: 90.323 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

ClientSampleId :

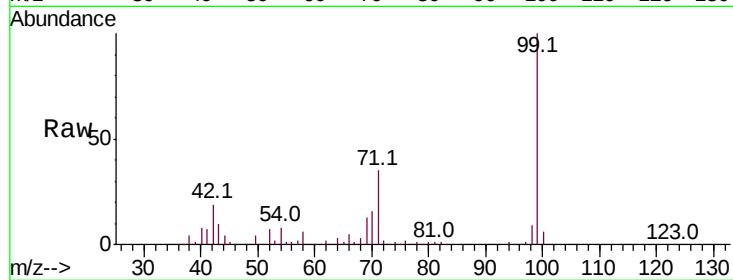
Tot Ion: 99 Resp: 634164

Ion Ratio Lower Upper

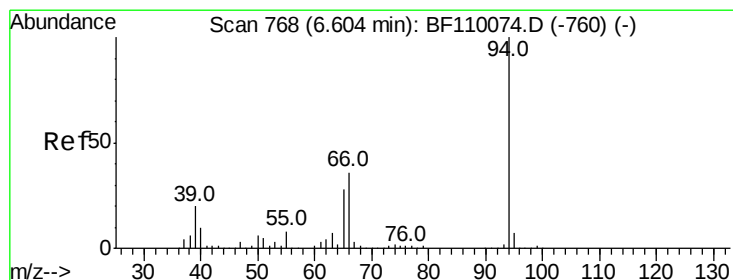
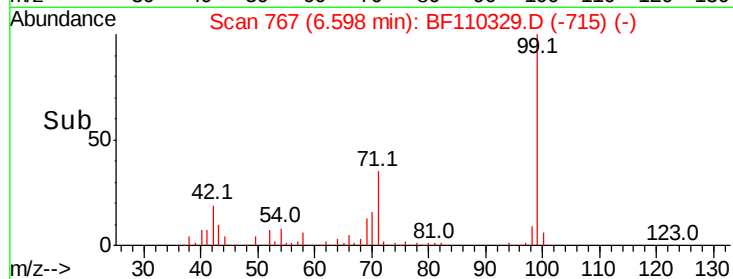
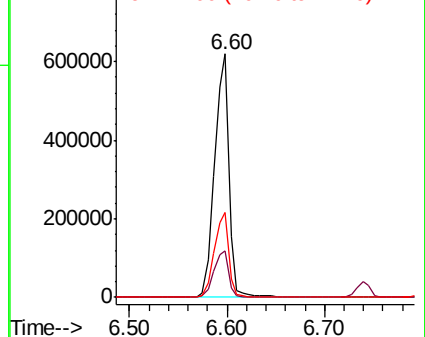
99 100

42 19.3 15.8 23.6

71 34.7 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: 6.983 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

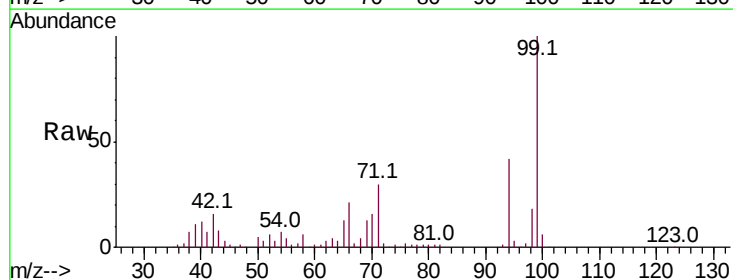
Tgt Ion: 94 Resp: 52409

Ion Ratio Lower Upper

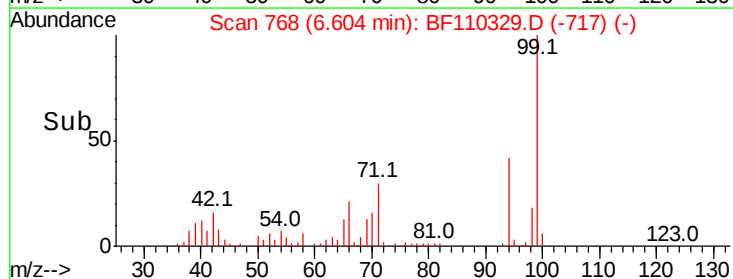
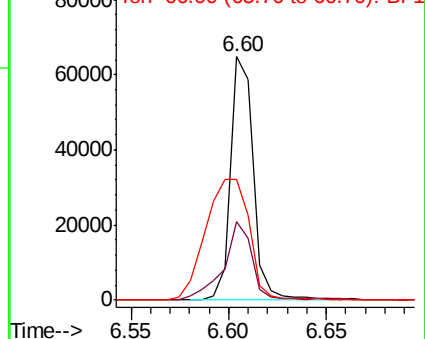
94 100

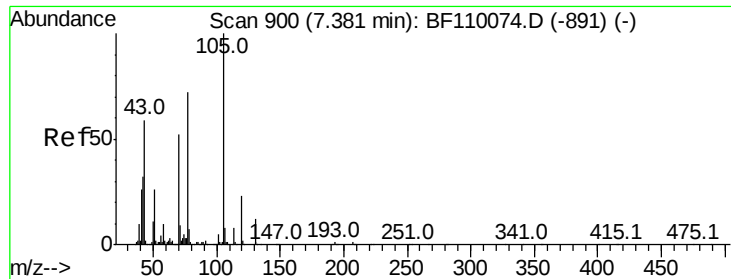
65 32.1 25.3 65.3

66 49.7 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

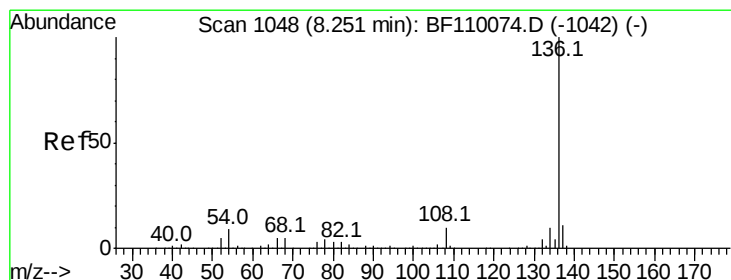
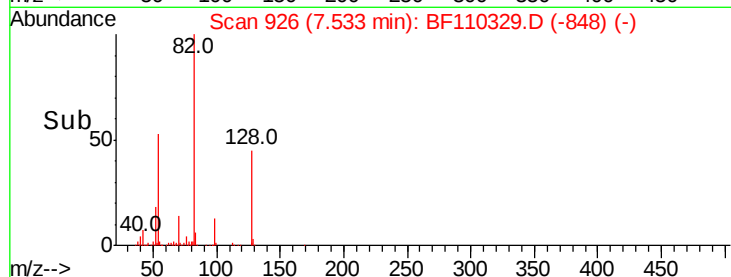
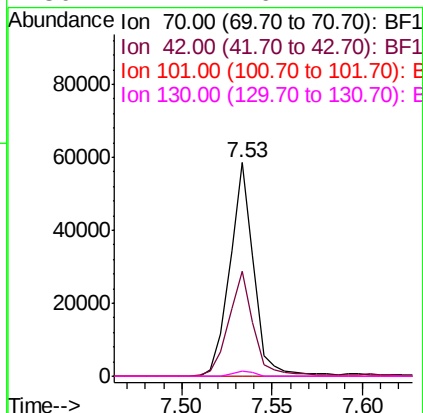
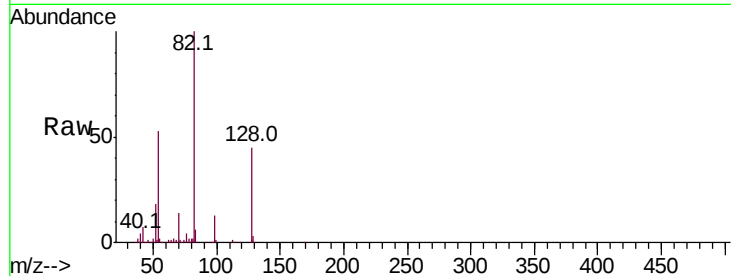




#19
n-Nitroso-di-n-propylamine
Concen: 11.982 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.16 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

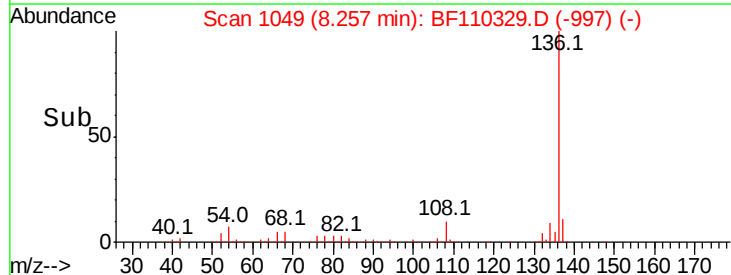
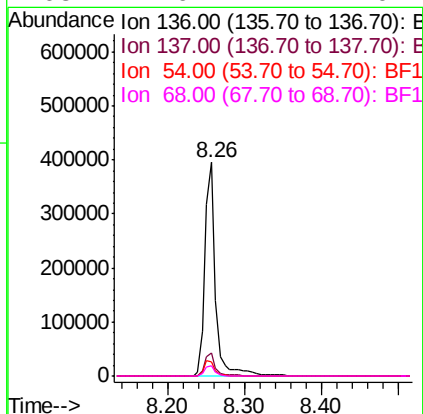
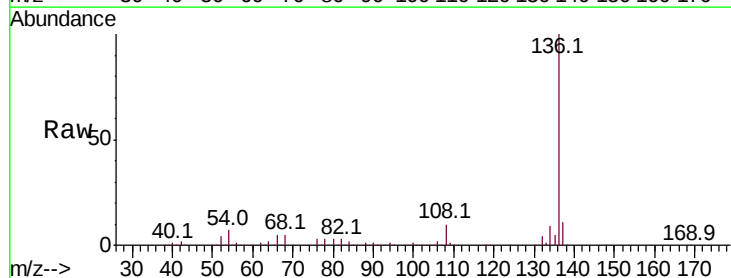
Instrument :
BNA_F
ClientSampleId :

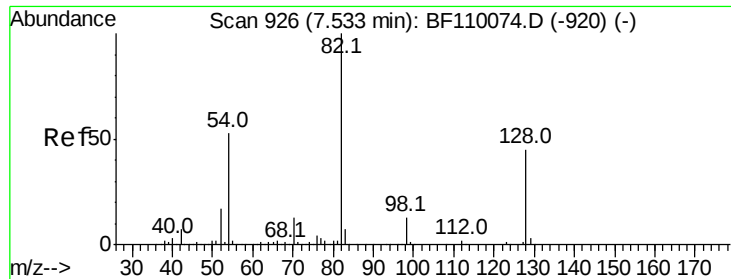
Tot Ion: 70 Resp: 53971
Ion Ratio Lower Upper
70 100
42 48.9 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion: 136 Resp: 381710
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.9 5.4 8.2
68 4.6 4.2 6.2

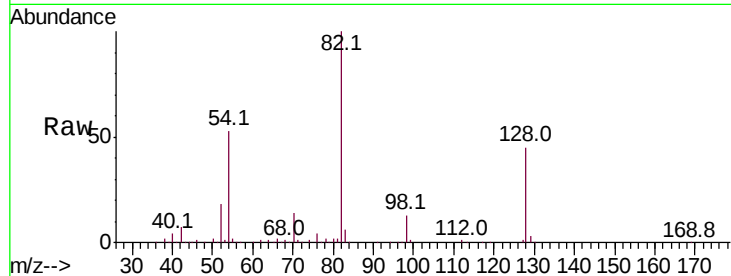




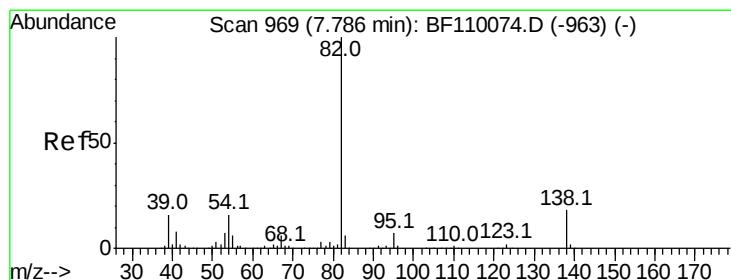
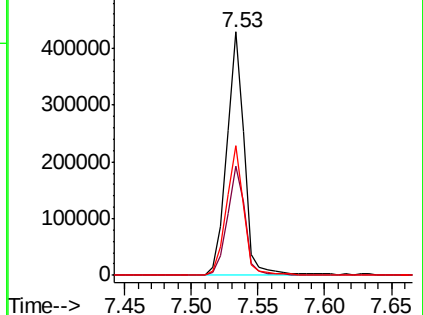
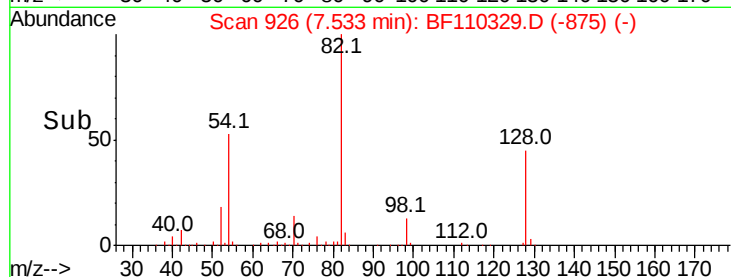
#23
 Nitrobenzene-d5
 Concen: 61.937 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	398594
Ion Ratio	Lower	Upper	
82	100		
128	44.7	34.2	51.2
54	53.4	38.6	58.0

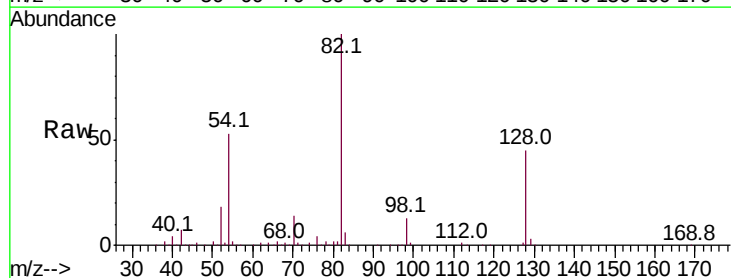


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

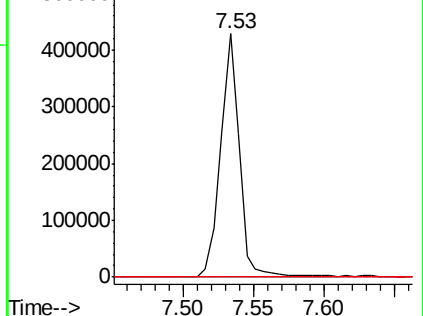
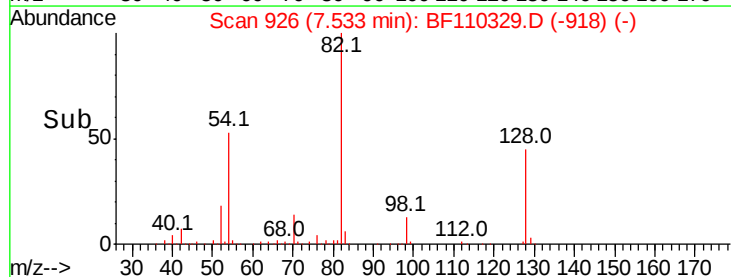


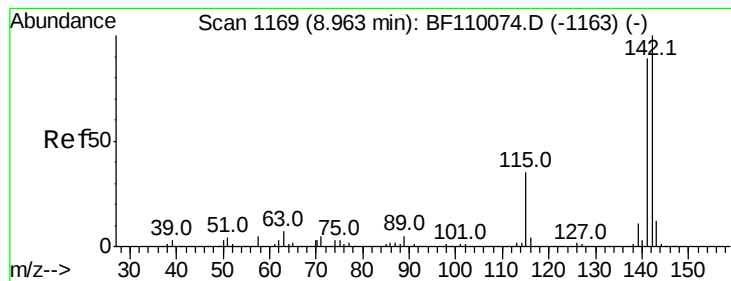
#25
 Isophorone
 Concen: 36.335 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Tgt Ion	82	Resp	398591
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

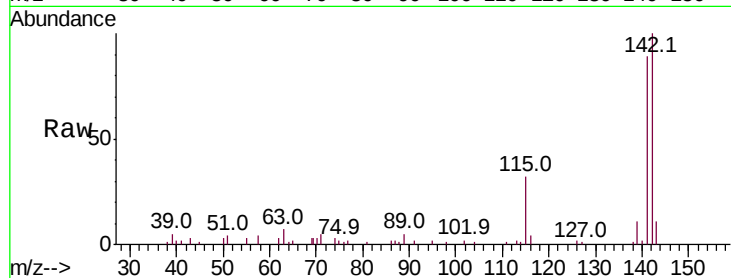




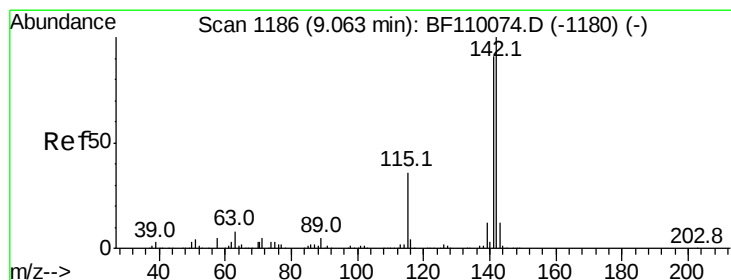
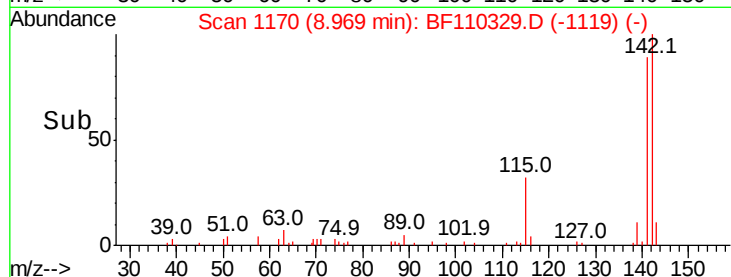
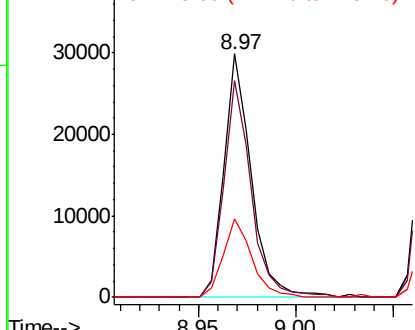
#37
 2-Methylnaphthalene
 Concen: 2.488 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	32.1	28.7	43.1

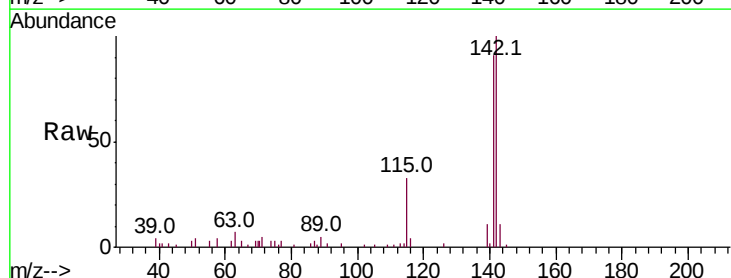


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

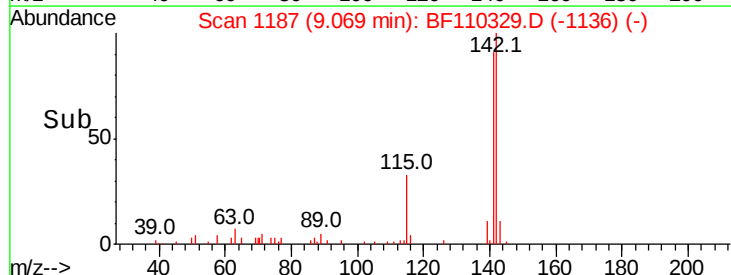
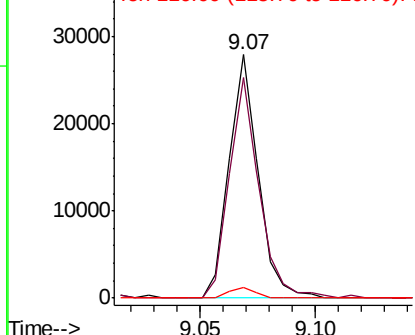


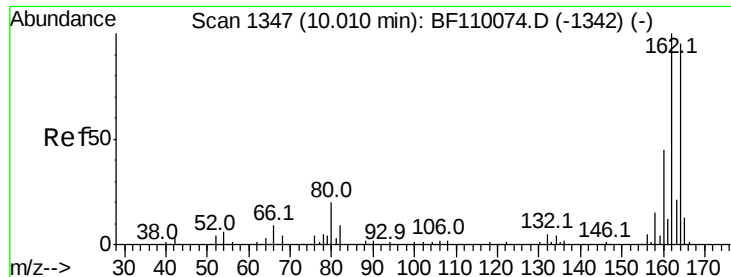
#38
 1-Methylnaphthalene
 Concen: 2.186 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.2	111.4
116	4.1	2.6	4.0#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

ClientSampleId :

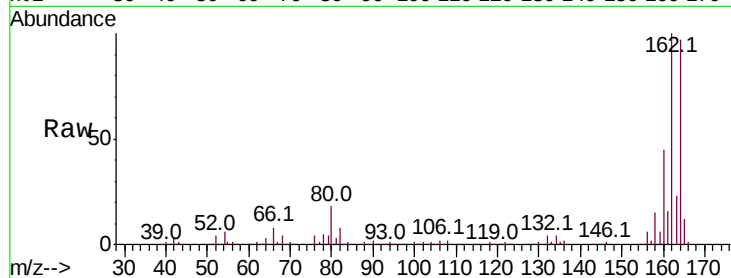
Tot Ion:164 Resp: 186221

Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.6

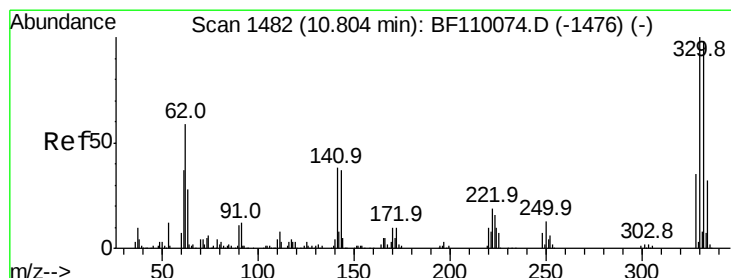
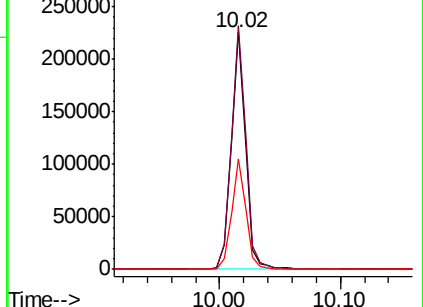
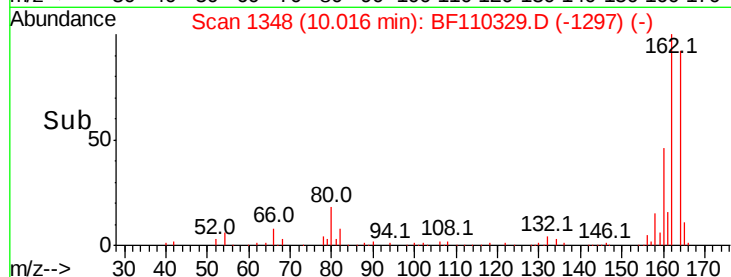
160 46.6 37.0 55.6



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: 86.413 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

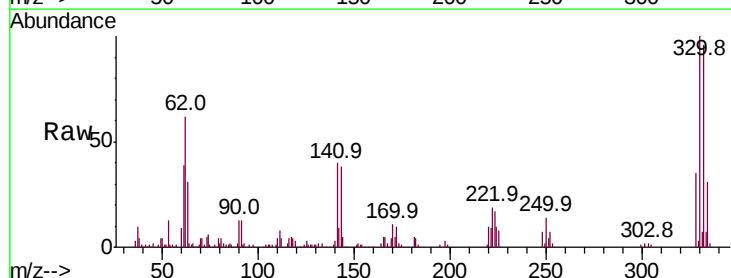
Tgt Ion:330 Resp: 159402

Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

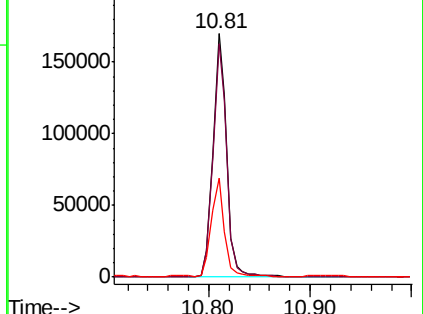
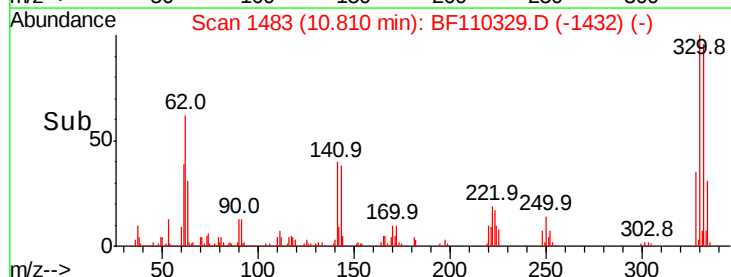
141 38.5 27.0 40.4

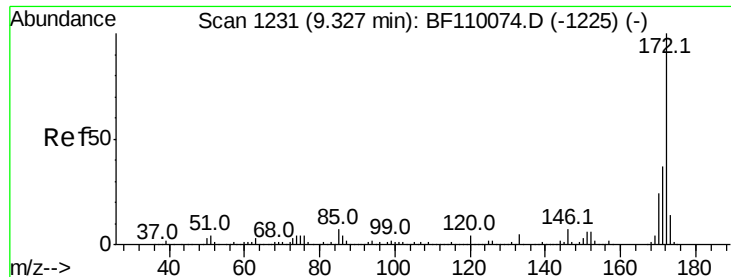


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

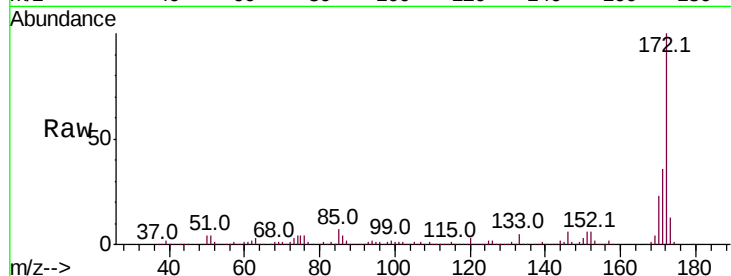




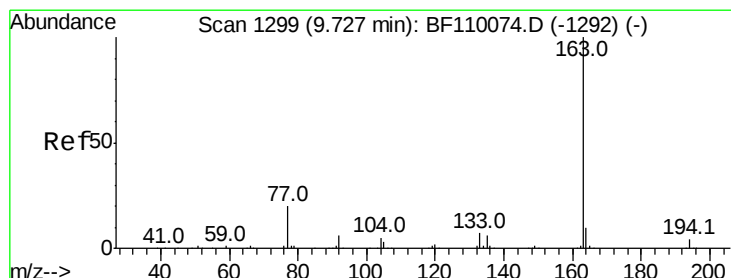
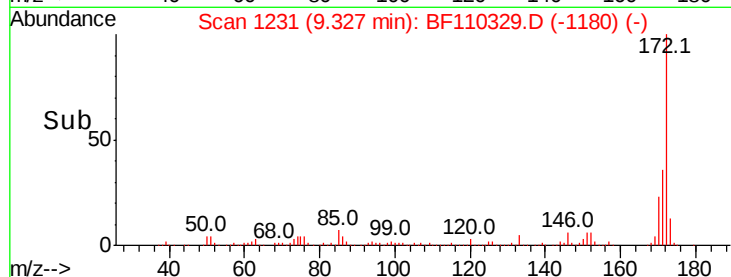
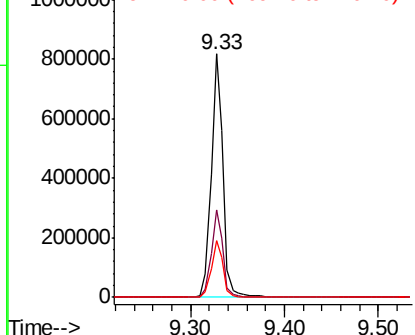
#45
2-Fluorobiphenyl
Concen: 61.235 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 726205
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.2 19.7 29.5

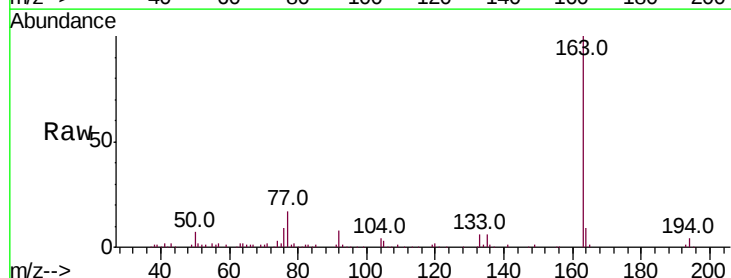


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

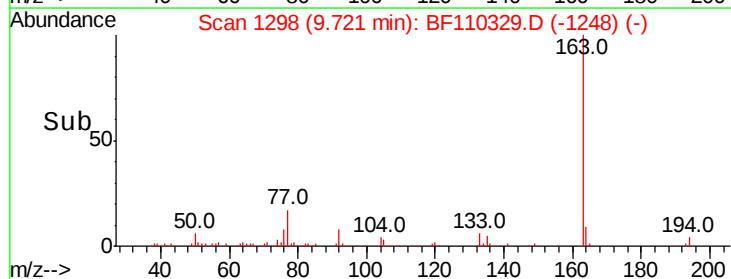
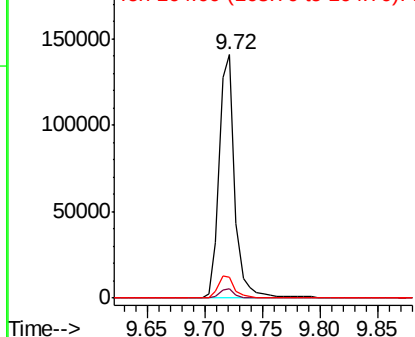


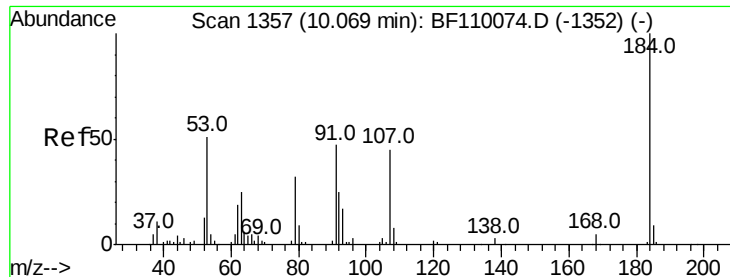
#50
Dimethylphthalate
Concen: 9.685 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion:163 Resp: 133136
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 8.8 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

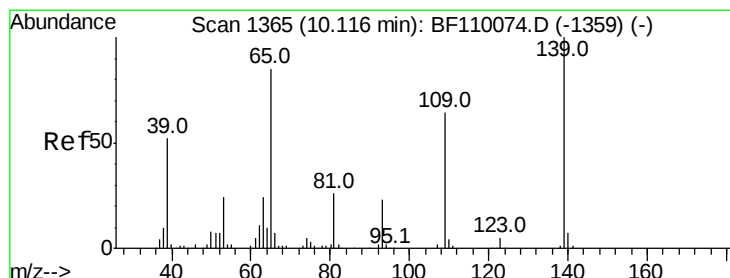
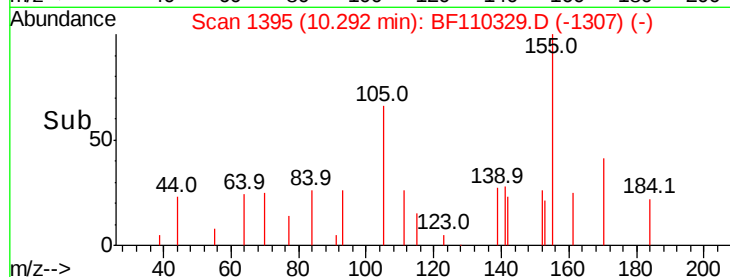
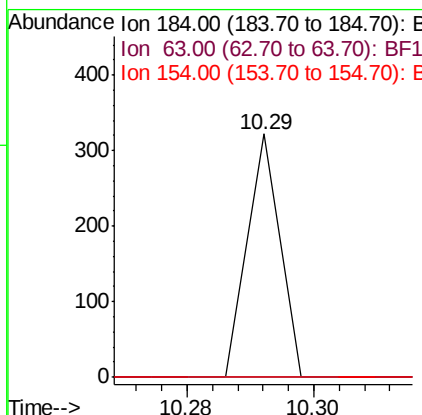
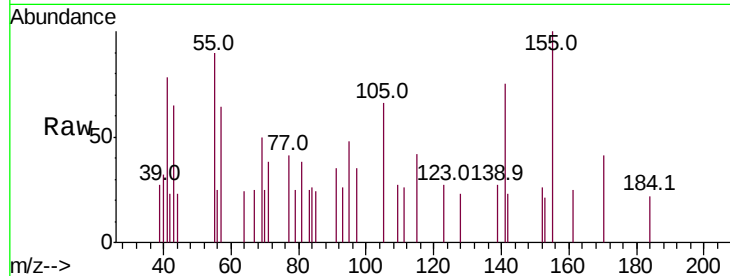




#54
 2,4-Dinitrophenol
 Concen: 5.266 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. 0.22 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

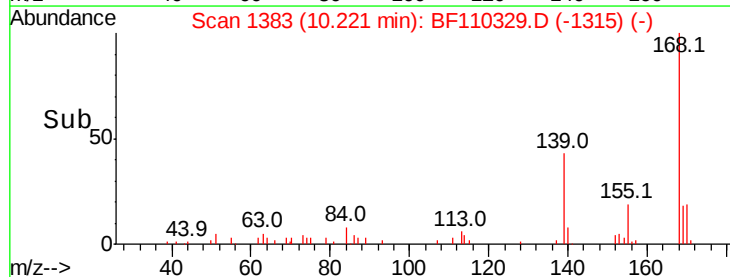
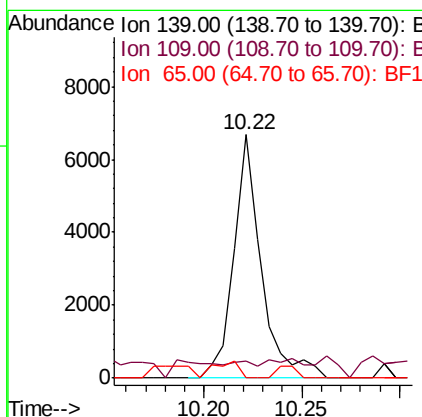
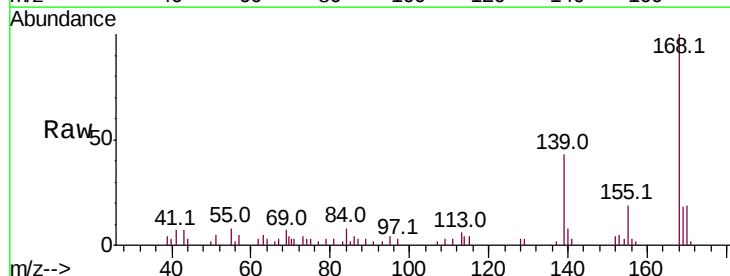
Instrument :
 BNA_F
 ClientSampleId :

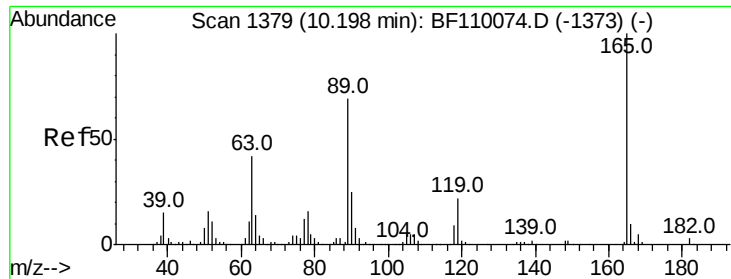
Tot Ion:184 Resp: 114
 Ion Ratio Lower Upper
 184 100
 63 0.0 55.8 83.6#
 154 0.0 63.2 94.8#



#56
 4-Nitrophenol
 Concen: 2.518 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.10 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Tgt Ion:139 Resp: 6562
 Ion Ratio Lower Upper
 139 100
 109 7.1 55.8 95.8#
 65 0.0 77.9 117.9#

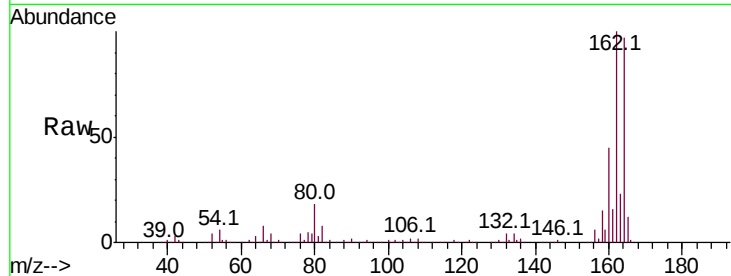




#57
 2,4-Dinitrotoluene
 Concen: 6.569 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

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#



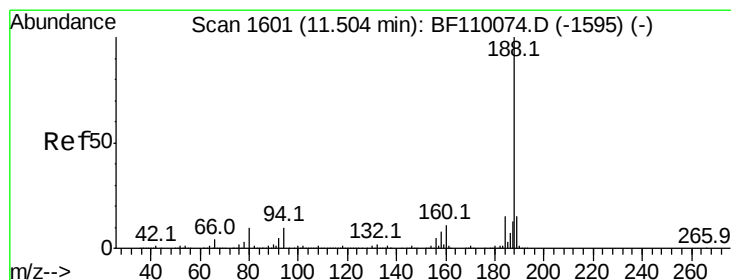
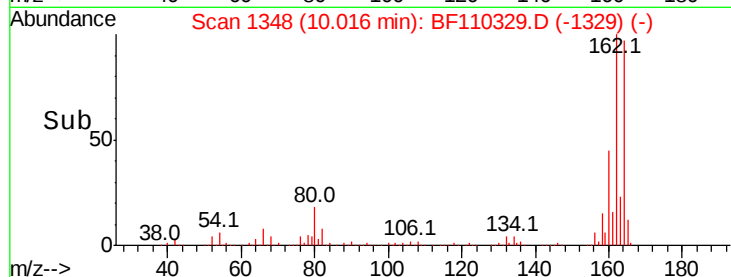
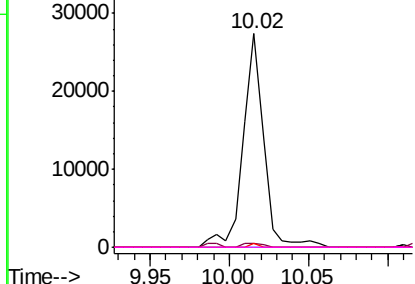
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

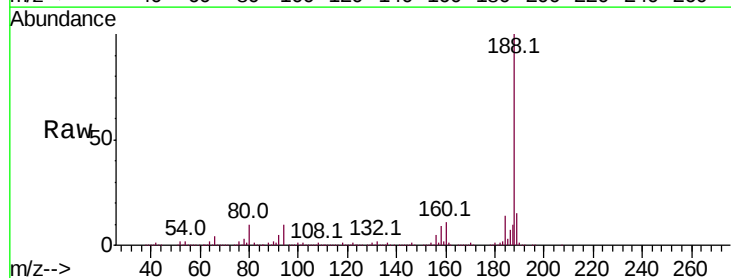
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.2	7.9	11.9

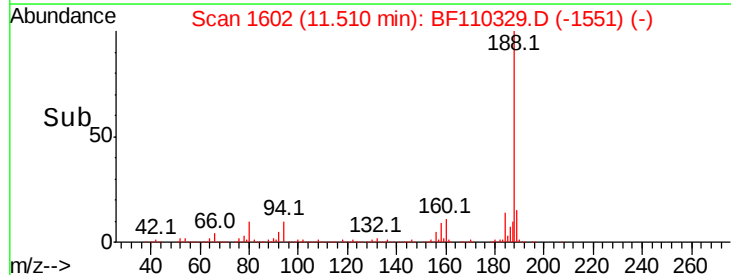
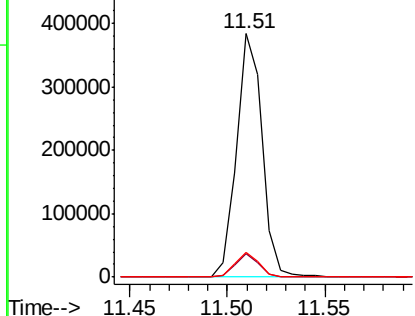


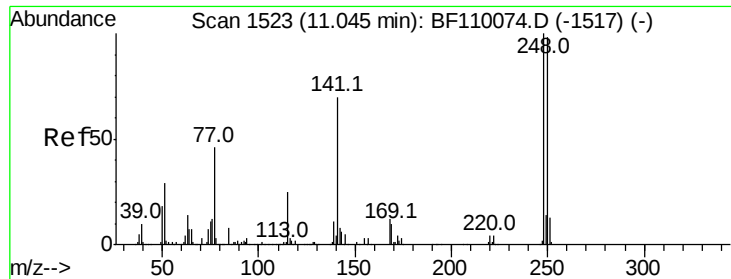
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

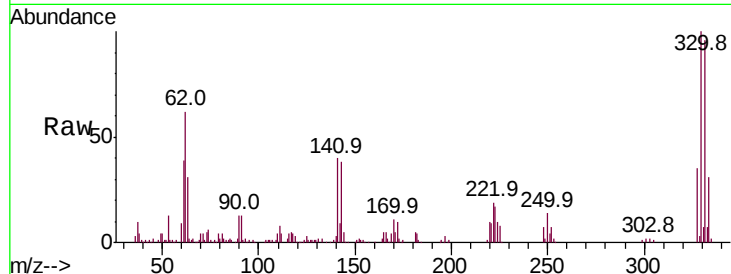




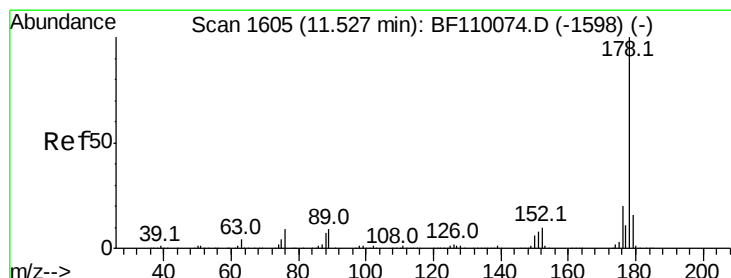
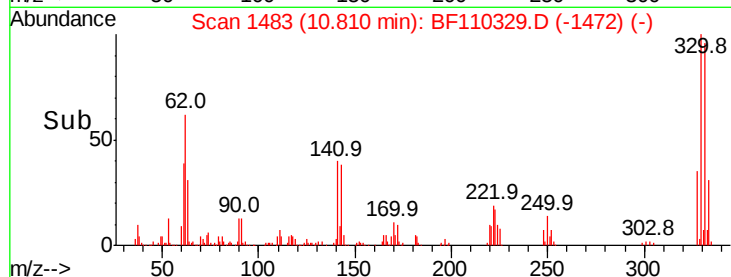
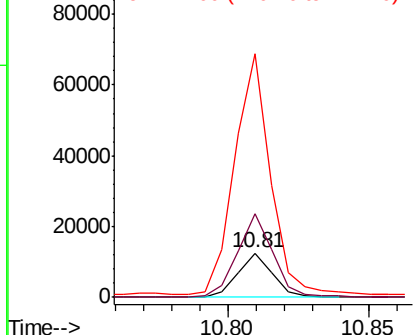
#67
4-Bromophenyl-phenylether
Concen: 2.785 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10538
Ion Ratio Lower Upper
248 100
250 188.8 79.4 119.2#
141 547.7 55.9 83.9#

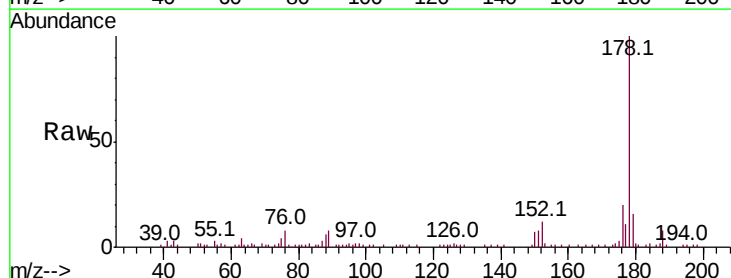


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

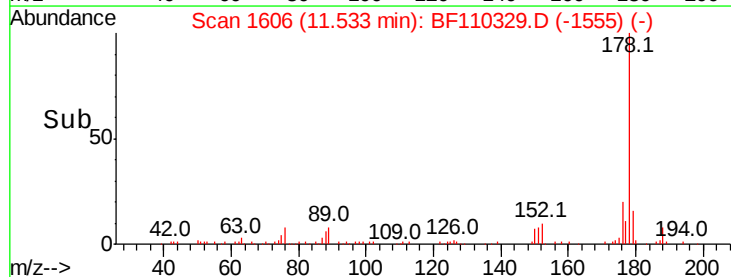
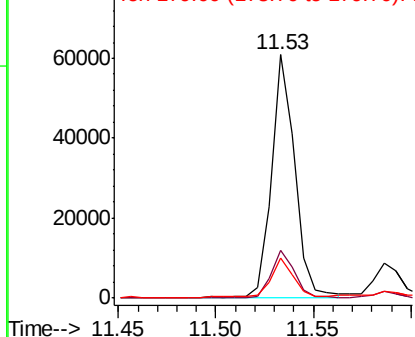


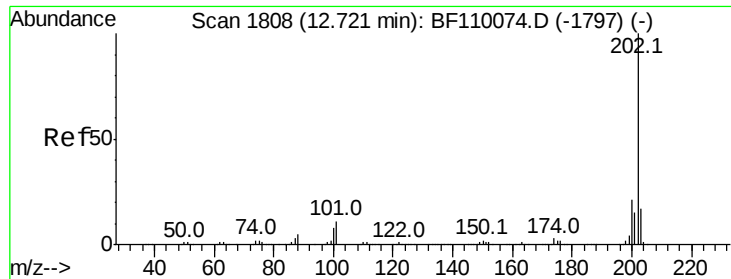
#71
Phenanthrene
Concen: 2.761 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion:178 Resp: 50398
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.4 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





#75

Fluoranthene

Concen: 3.145 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

ClientSampleId :

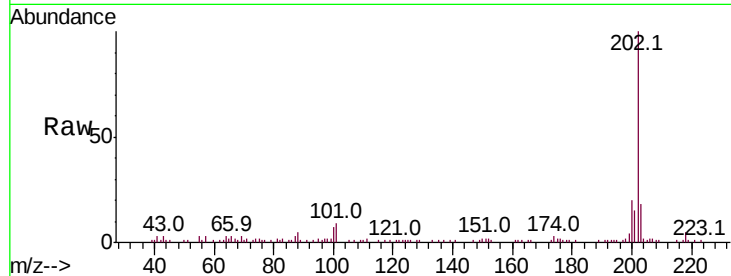
Tot Ion:202 Resp: 58258

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.4

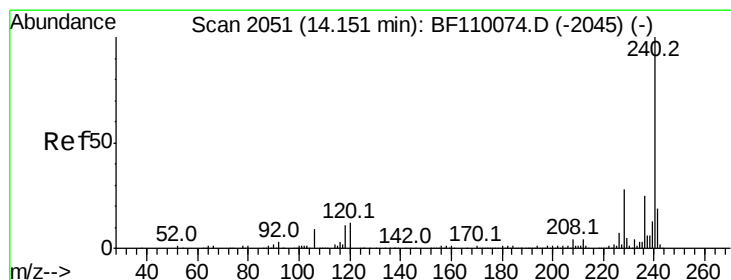
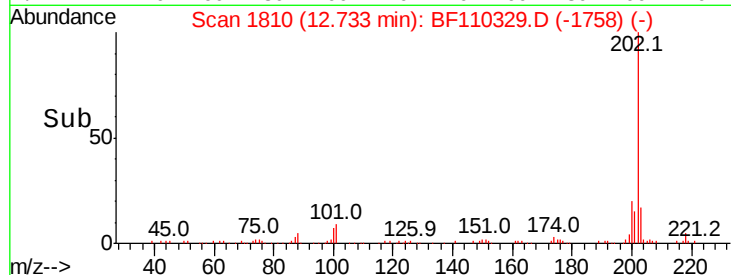
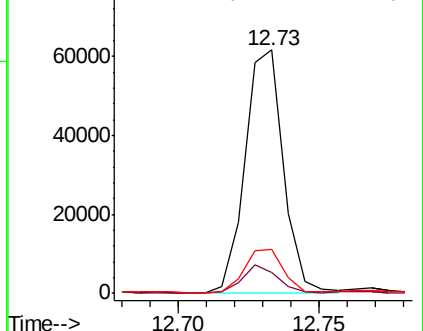
203 17.9 0.0 37.7



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# 2053

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

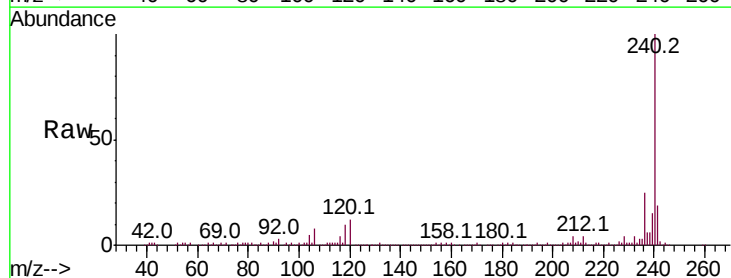
Tgt Ion:240 Resp: 201231

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

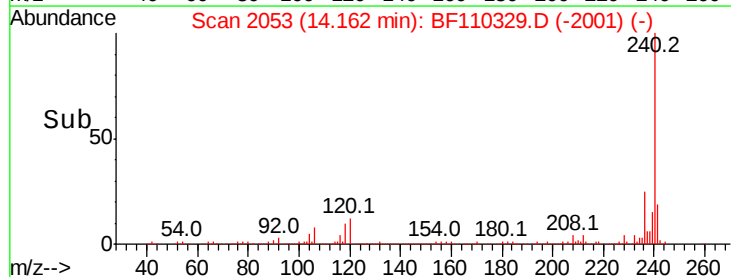
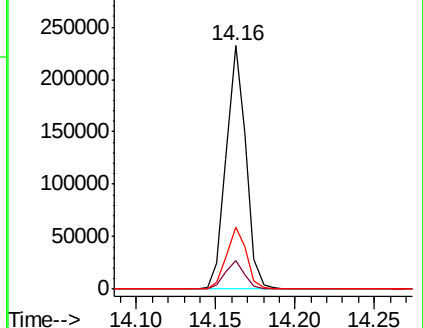
236 25.2 21.2 31.8

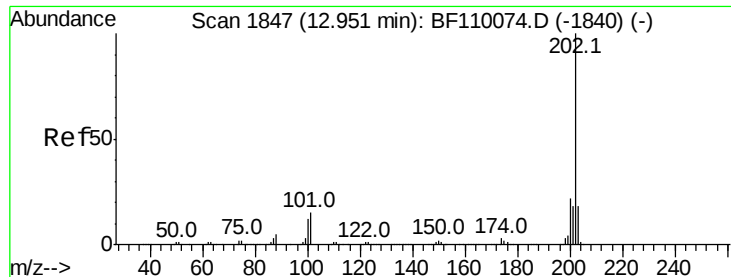


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

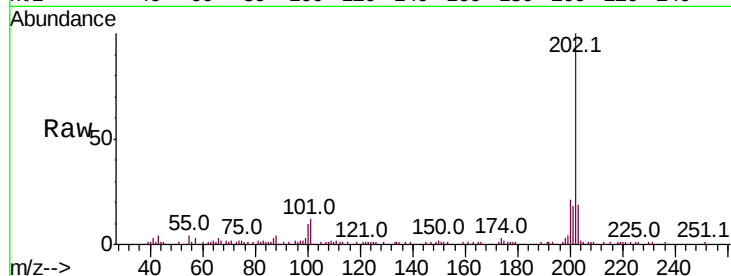




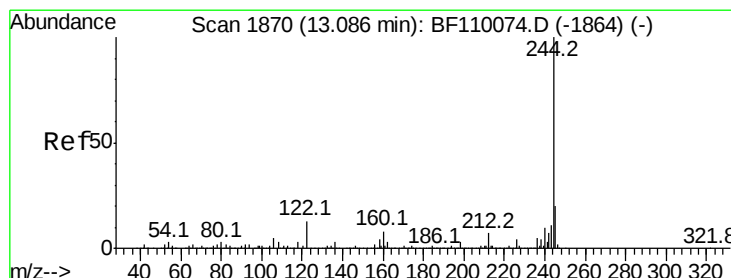
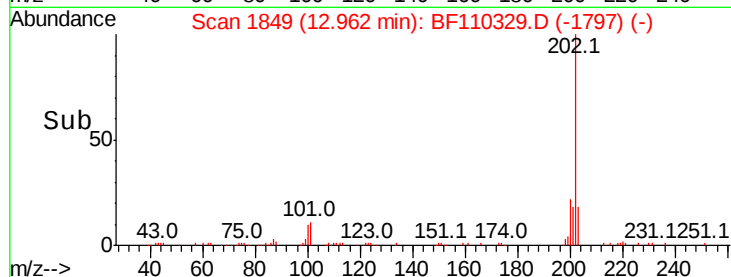
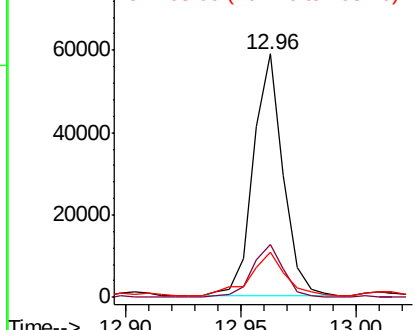
#78
Pvrene
Concen: 3.663 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 52848
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.6
203 18.6 14.2 21.4

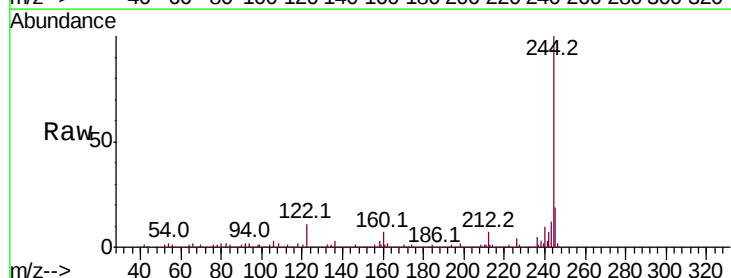


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

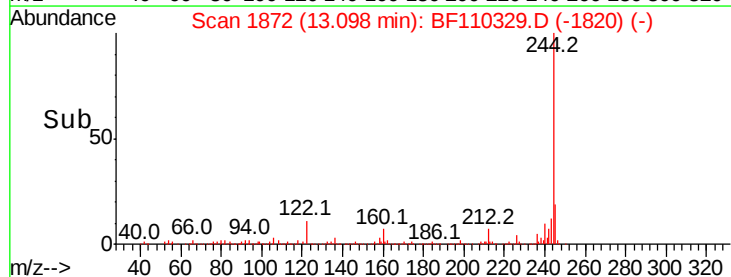
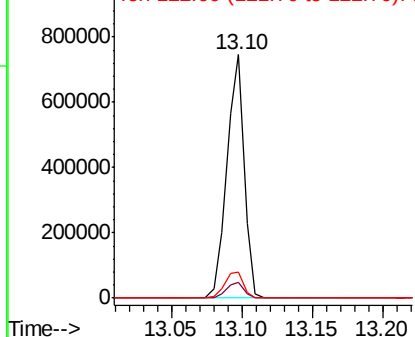


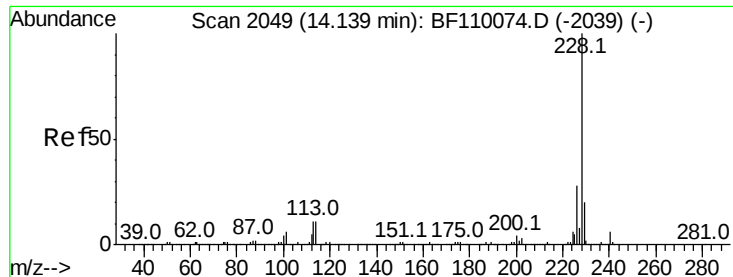
#79
Terphenyl-d14
Concen: 65.556 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion:244 Resp: 634317
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.8
122 10.6 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

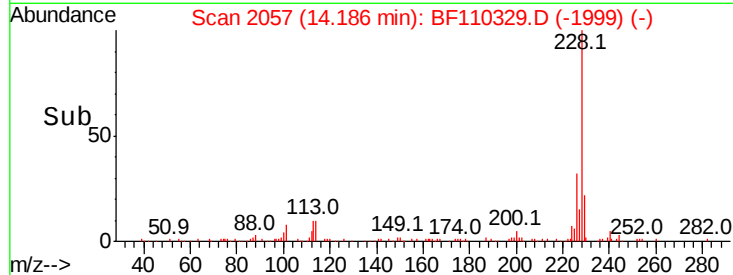
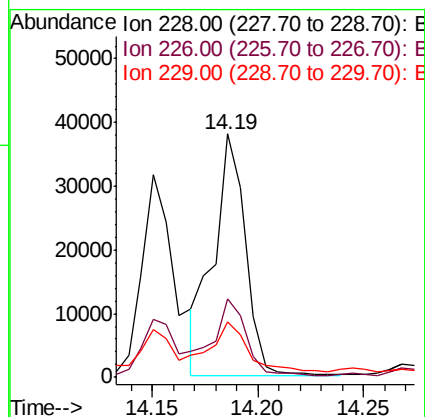
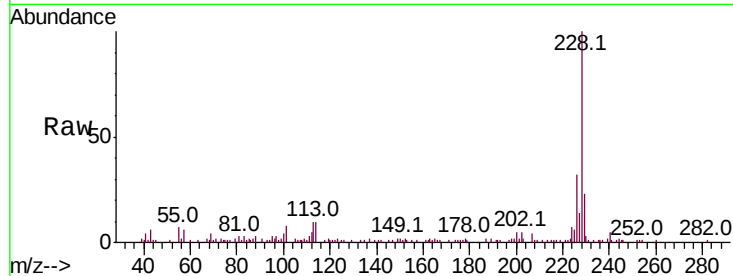




#81
Benzo(a)anthracene
Concen: 3.321 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.04 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

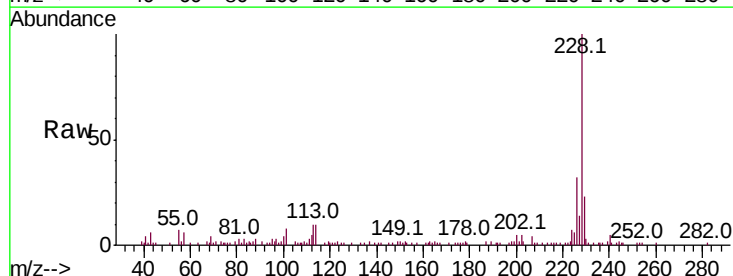
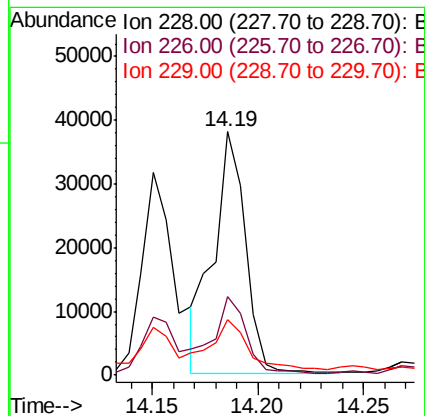
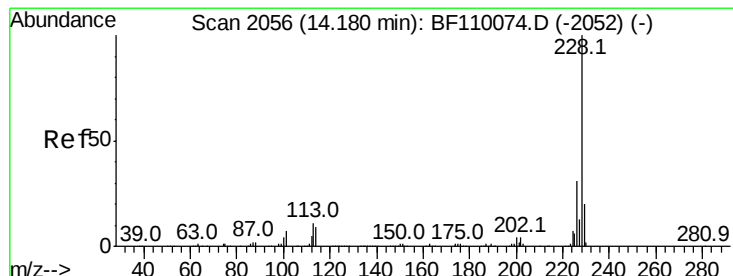
Instrument :
BNA_F
ClientSampleId :

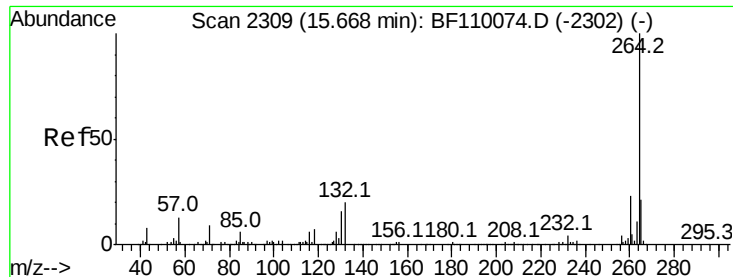
Tot Ion:228 Resp: 39628
Ion Ratio Lower Upper
228 100
226 32.2 22.1 33.1
229 22.7 15.6 23.4



#83
Chrysene
Concen: 3.496 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion:228 Resp: 39628
Ion Ratio Lower Upper
228 100
226 32.2 24.7 37.1
229 22.7 15.9 23.9



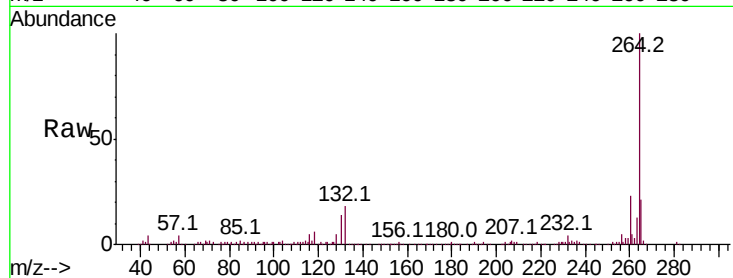


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

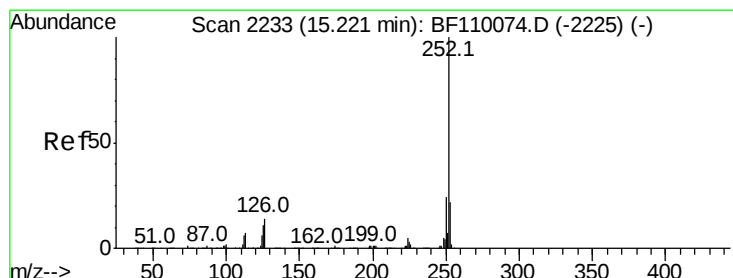
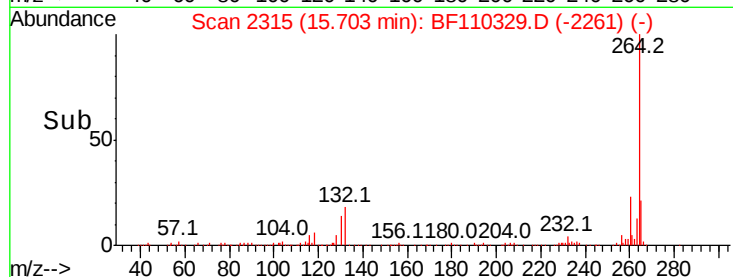
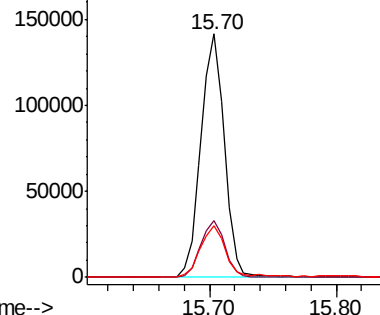
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 180910

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.2	16.7	25.1



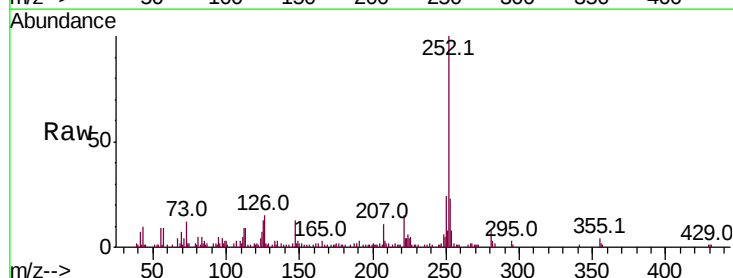
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



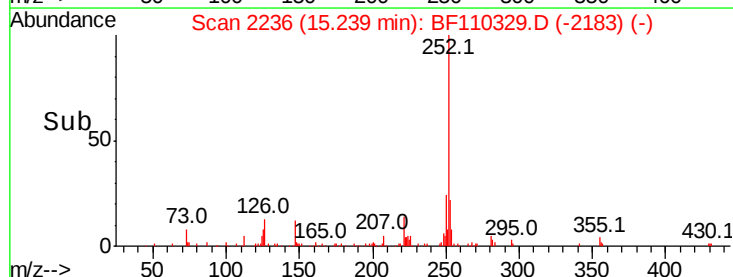
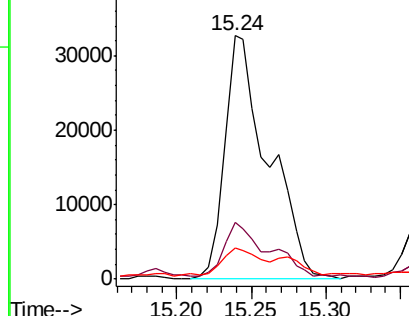
#88
Benzo(b)fluoranthene
Concen: 6.344 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

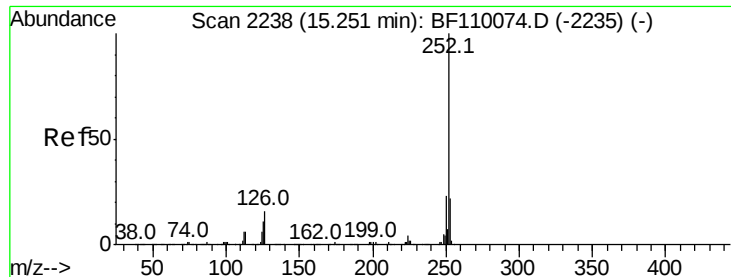
Tgt Ion:252 Resp: 66273

Ion	Ratio	Lower	Upper
252	100		
253	23.3	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

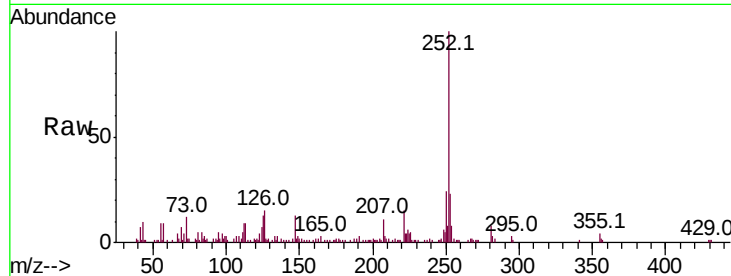




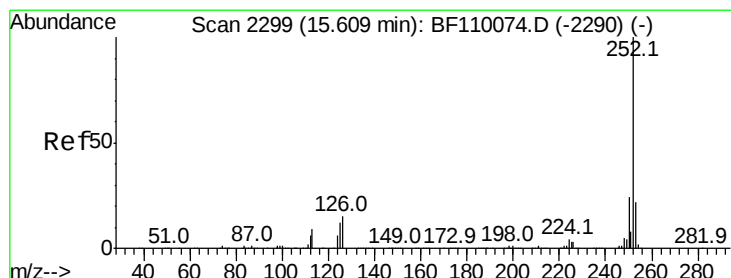
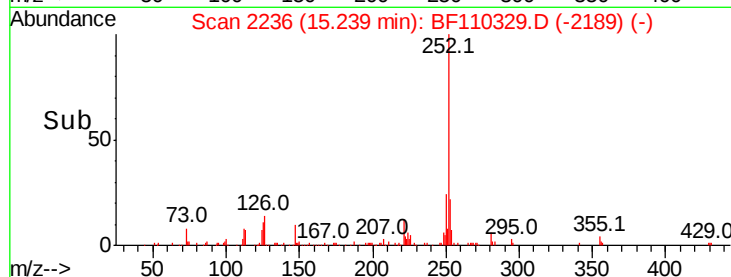
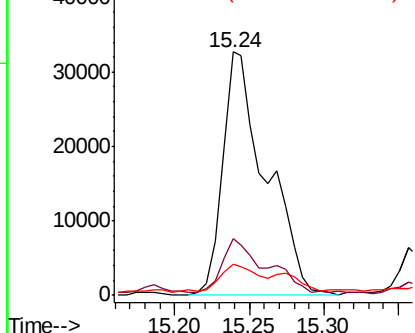
#89
Benzo(k)fluoranthene
Concen: 6.453 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.9	7.4	11.0

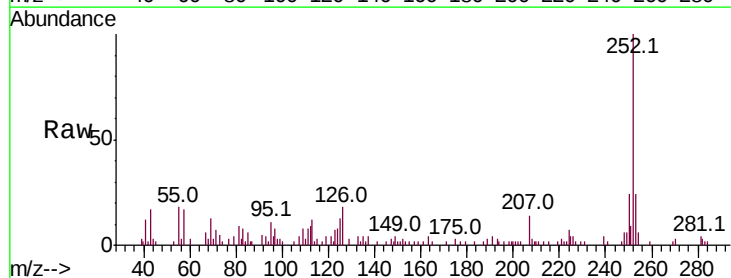


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.307 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	13.3	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

