

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110214.D
 Acq On : 26 Oct 2018 17:17
 Operator : JU/SJ
 Sample : J5658-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

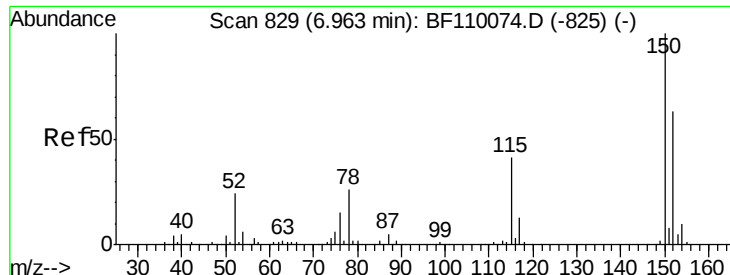
Quant Time: Oct 26 23:39:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131710	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	509920	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	209225	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	319024	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	237103	20.00	ng	-0.01
87) Perylene-d12	15.68	264	164162	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	748879	92.59	ng	0.00
7) Phenol-d6	6.59	99	935764	90.45	ng	-0.01
23) Nitrobenzene-d5	7.53	82	571002	66.42	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	163168	78.73	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	901587	67.67	ng	-0.01
79) Terphenyl-d14	13.09	244	610301	53.53	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	3326	Below Cal		# 1
10) Phenol	6.60	94	106913	9.668	ng	# 60
19) n-Nitroso-di-n-propylamine	7.53	70	75199	11.330	ng	# 81
25) Isophorone	7.53	82	570996	38.963	ng	# 67
50) Dimethylphthalate	9.72	163	142572	9.231	ng	# 99
57) 2,4-Dinitrotoluene	10.01	165	26318	6.228	ng	# 18
67) 4-Bromophenyl-phenylether	10.80	248	10608	3.065	ng	# 1
75) Fluoranthene	12.72	202	44971	2.655	ng	# 98
78) Pyrene	12.95	202	39515	2.325	ng	# 96
88) Benzo(b)fluoranthene	15.22	252	40403	4.262	ng	# 89
89) Benzo(k)fluoranthene	15.22	252	40403	4.335	ng	# 89
90) Benzo(a)pyrene	15.61	252	18830	2.159	ng	# 92

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

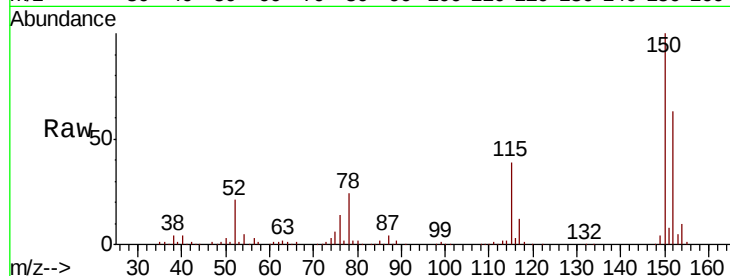


#1

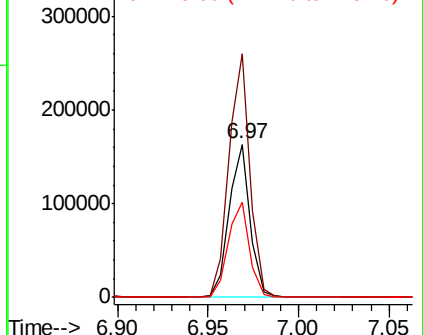
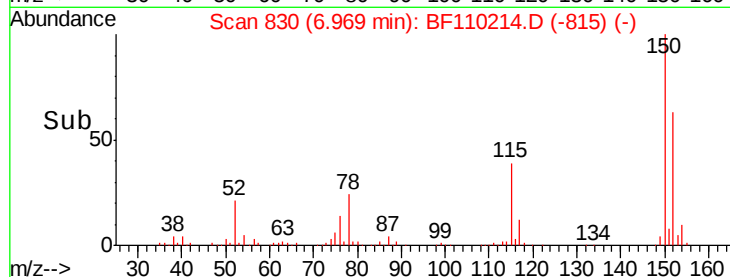
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131710
Ion Ratio Lower Upper
152 100
150 158.8 122.7 184.1
115 61.7 49.1 73.7



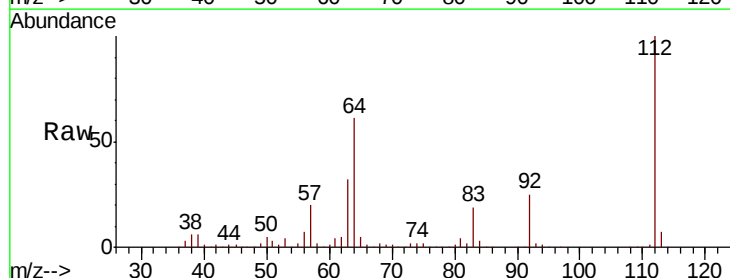
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



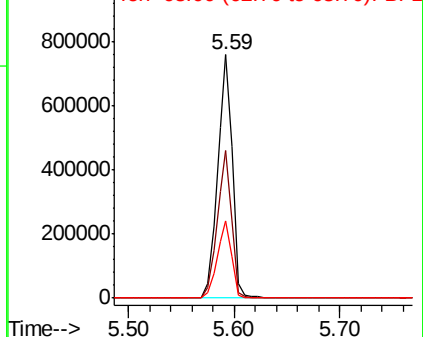
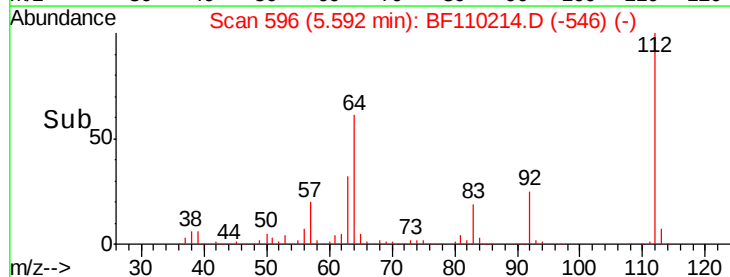
#5

2-Fluorophenol
Concen: 92.591 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Tgt Ion:112 Resp: 748879
Ion Ratio Lower Upper
112 100
64 60.7 44.1 66.1
63 31.9 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: 90.454 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110214.D

Acq: 26 Oct 2018 17:17

Instrument :

BNA_F

ClientSampleId :

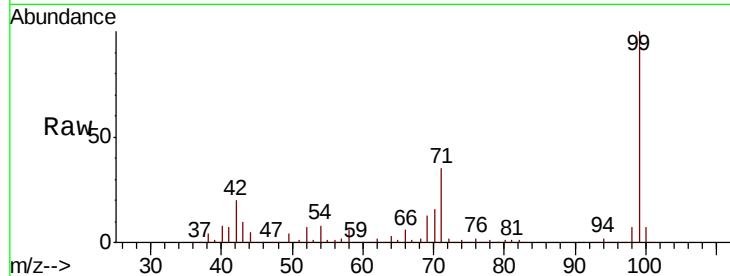
Tot Ion: 99 Resp: 935764

Ion Ratio Lower Upper

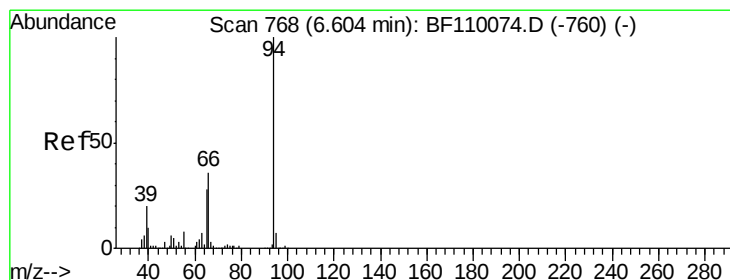
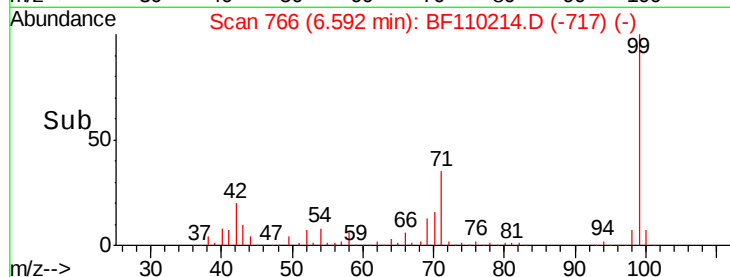
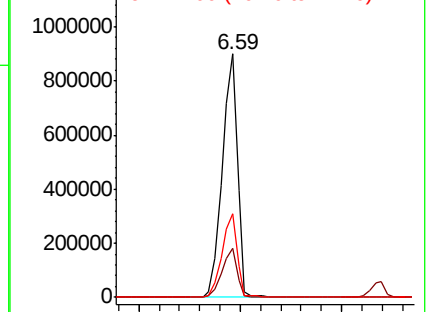
99 100

42 20.1 15.8 23.6

71 34.6 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: 9.668 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110214.D

Acq: 26 Oct 2018 17:17

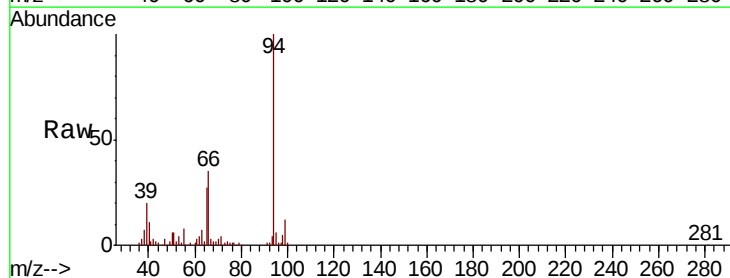
Tgt Ion: 94 Resp: 106913

Ion Ratio Lower Upper

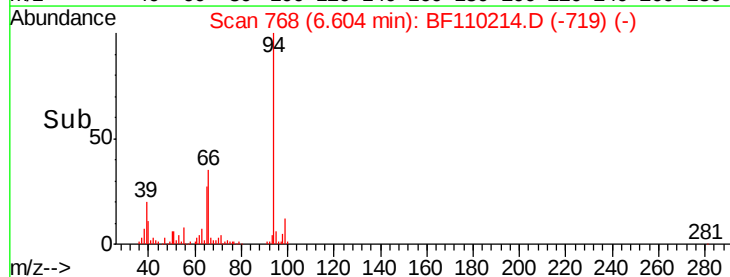
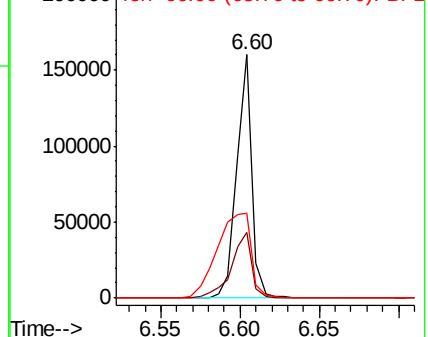
94 100

65 27.2 25.3 65.3

66 34.8 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

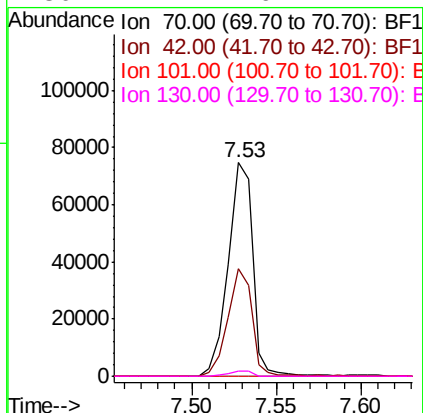
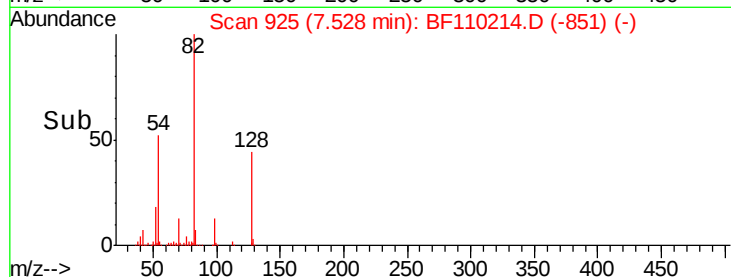
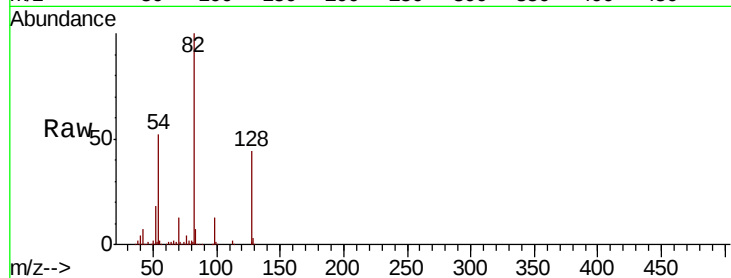




#19
n-Nitroso-di-n-propylamine
Concen: 11.330 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

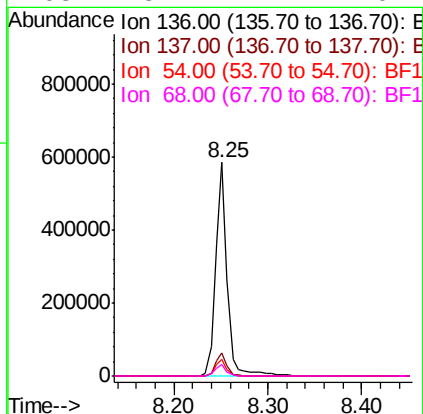
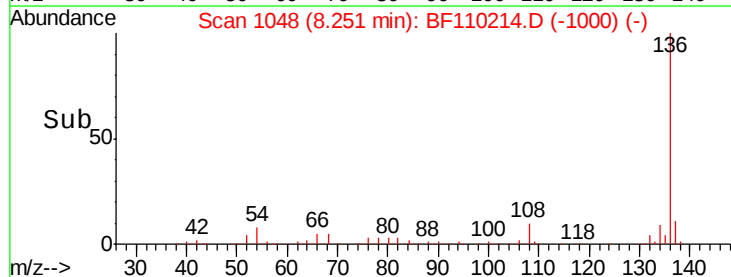
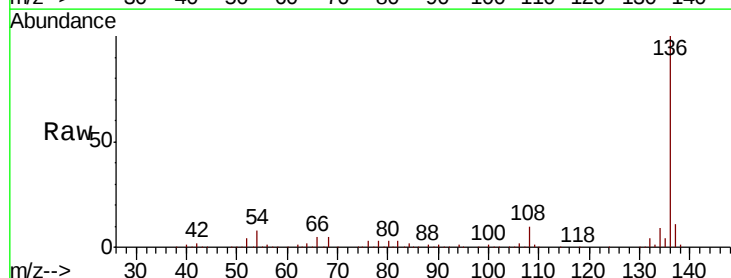
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 75199
Ion Ratio Lower Upper
70 100
42 50.2 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. -0.02 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Tgt Ion: 136 Resp: 509920
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

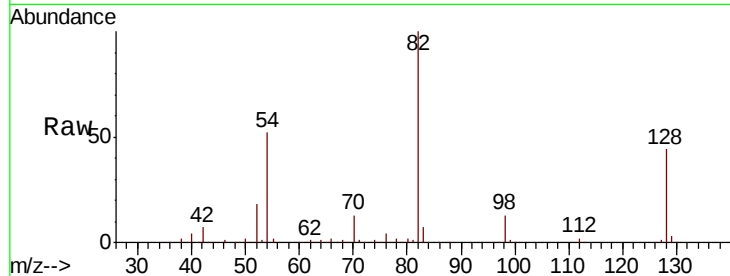




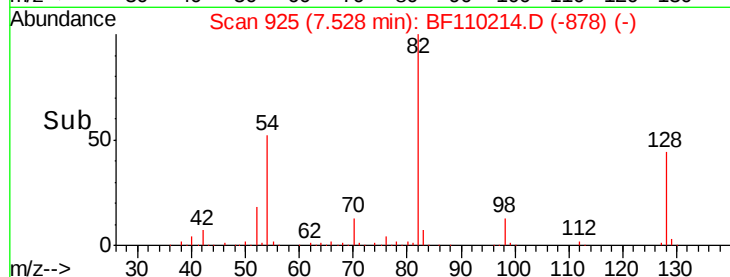
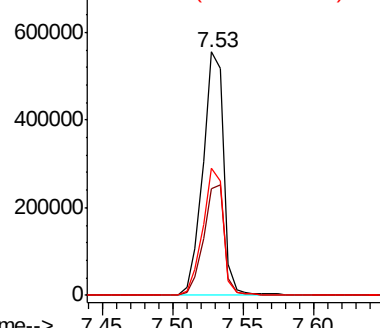
#23
Nitrobenzene-d5
Concen: 66.418 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	571002
Ion Ratio	100	Lower	Upper
128	43.7	34.2	51.2
54	52.1	38.6	58.0

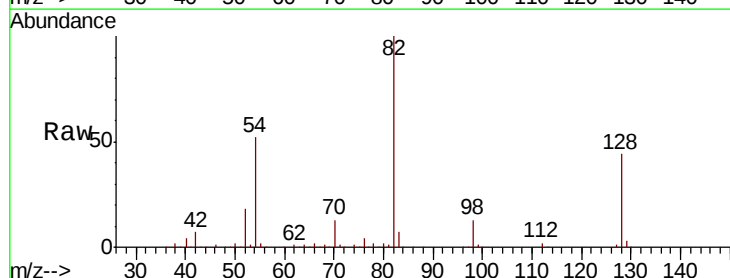


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

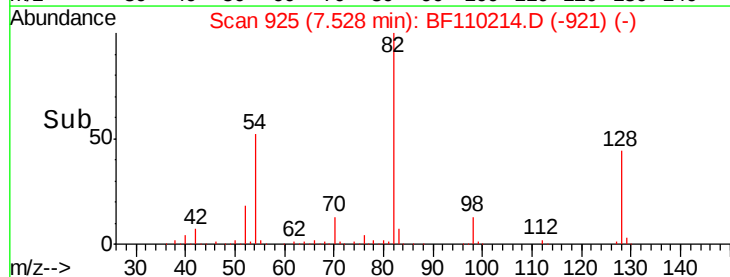
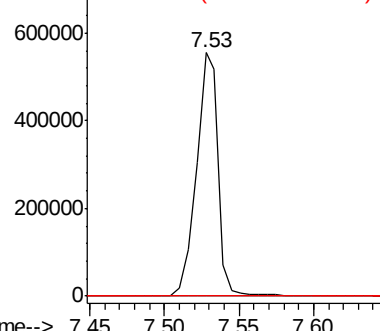


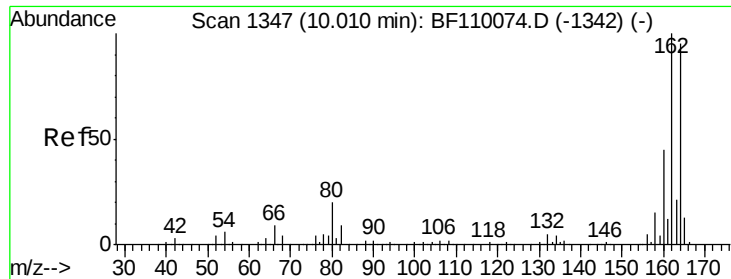
#25
Isophorone
Concen: 38.963 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Tgt Ion	82	Resp	570996
Ion Ratio	100	Lower	Upper
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: BF110214.D

Acq: 26 Oct 2018 17:17

Instrument :

BNA_F

ClientSampleId :

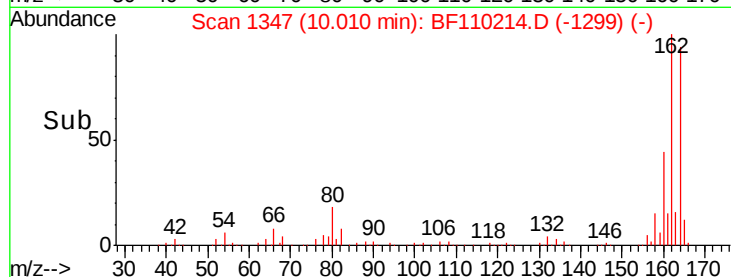
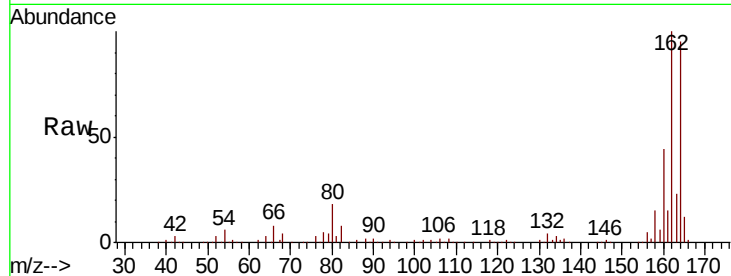
Tot Ion:164 Resp: 209225

Ion Ratio Lower Upper

164 100

162 105.0 83.0 124.6

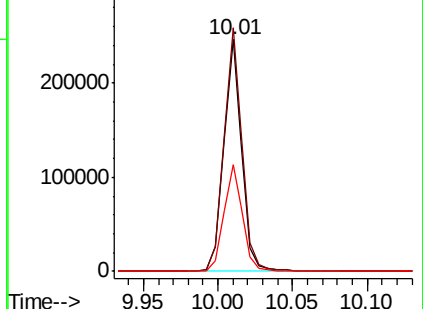
160 46.2 37.0 55.6



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: 78.730 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110214.D

Acq: 26 Oct 2018 17:17

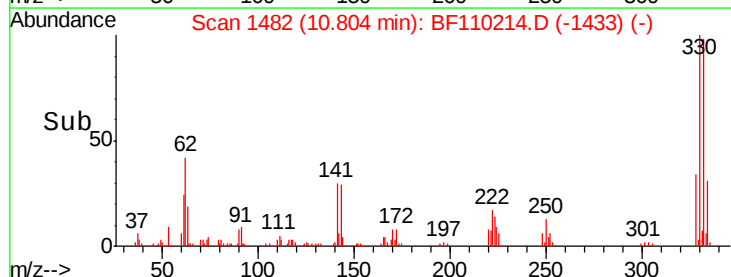
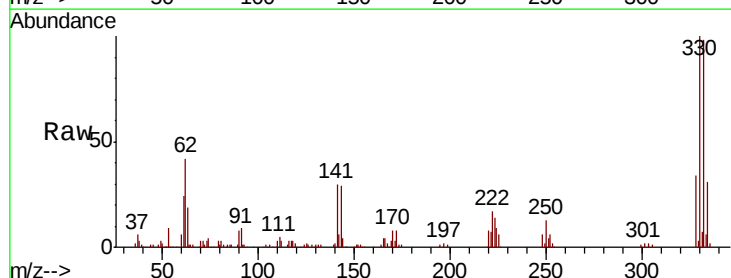
Tgt Ion:330 Resp: 163168

Ion Ratio Lower Upper

330 100

332 95.7 77.1 115.7

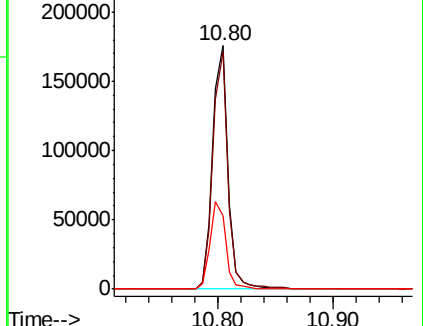
141 36.8 27.0 40.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

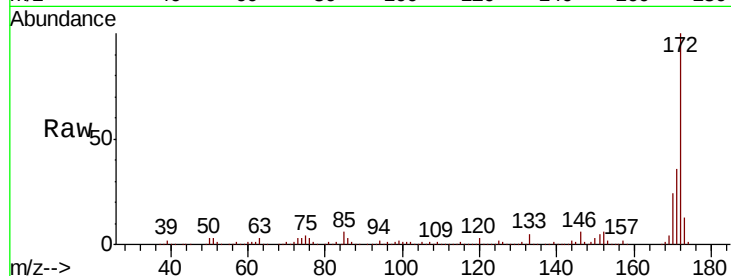




#45
2-Fluorobiphenyl
Concen: 67.665 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.7	19.7	29.5

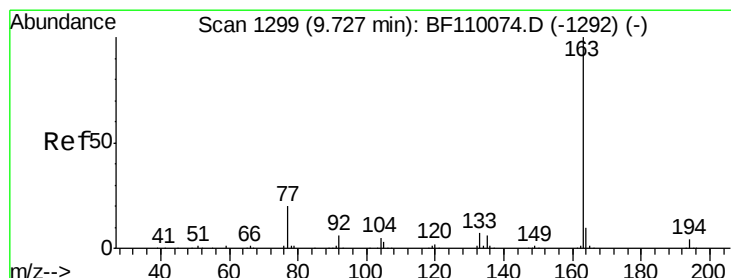
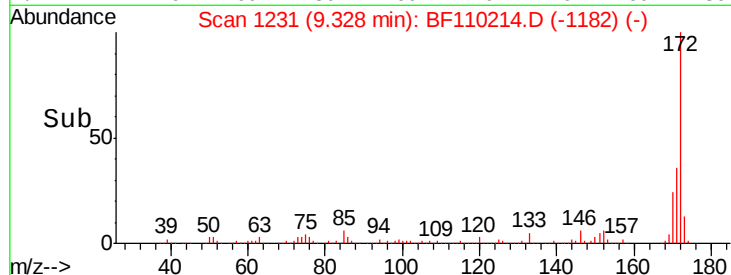
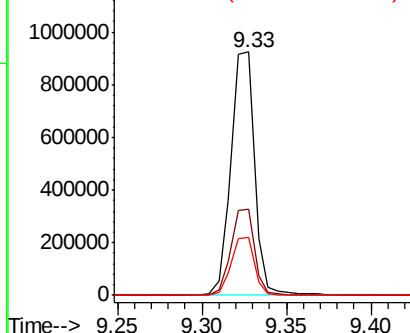


Abundance

Ion 172.00 (171.70 to 172.70): E

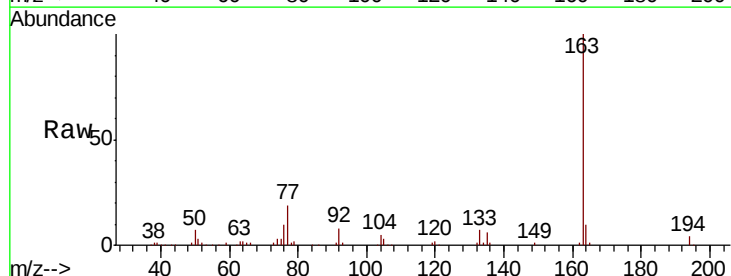
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.231 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.8	8.1	12.1

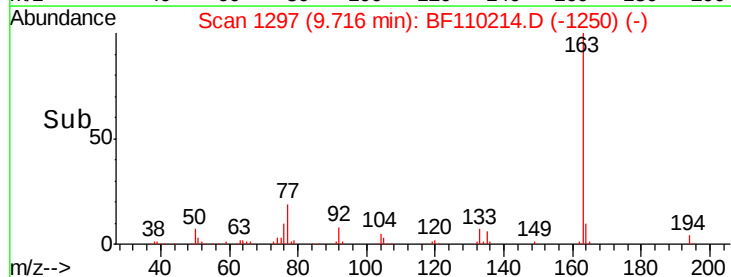
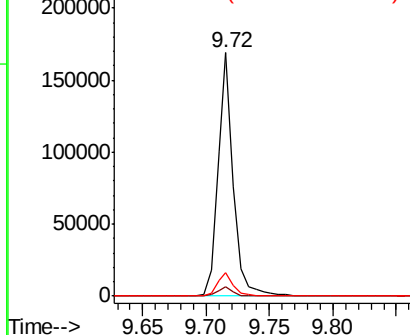


Abundance

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

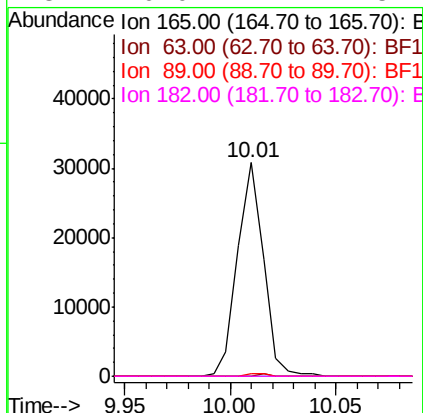
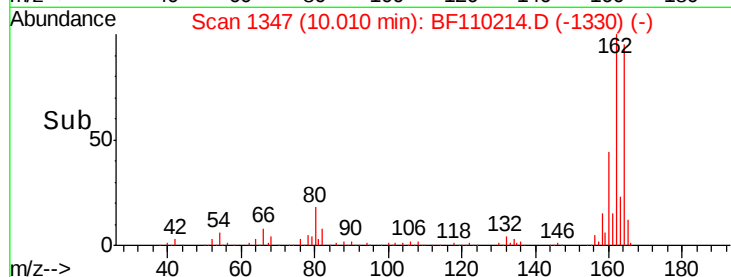
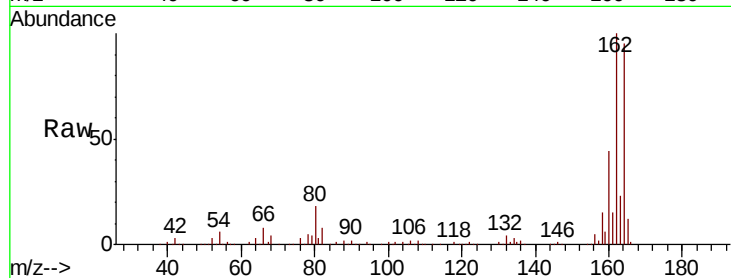




#57
2,4-Dinitrotoluene
Concen: 6.228 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

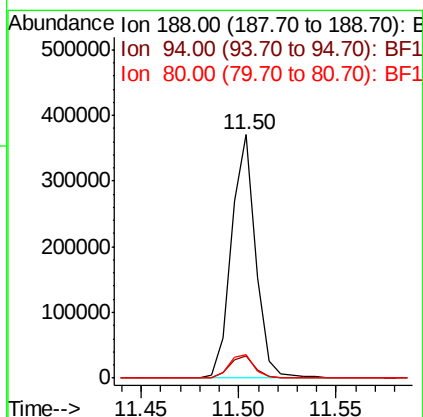
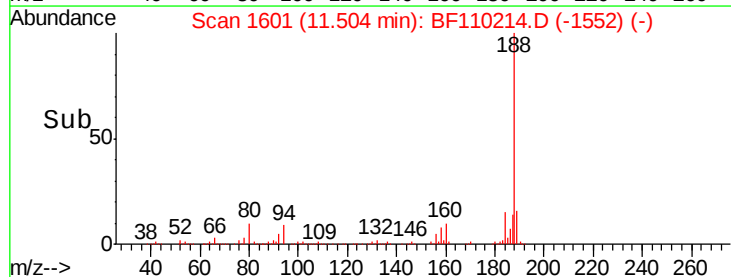
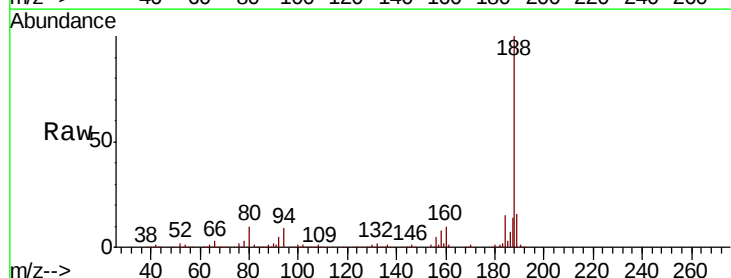
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.2	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.6	7.9	11.9

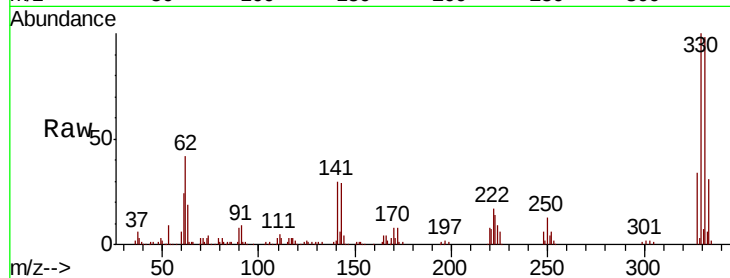




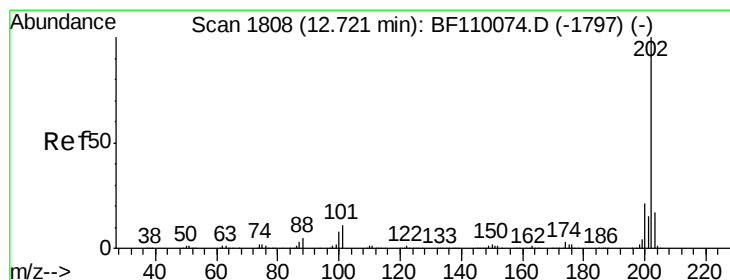
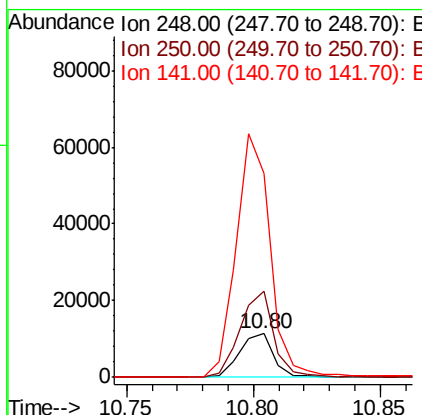
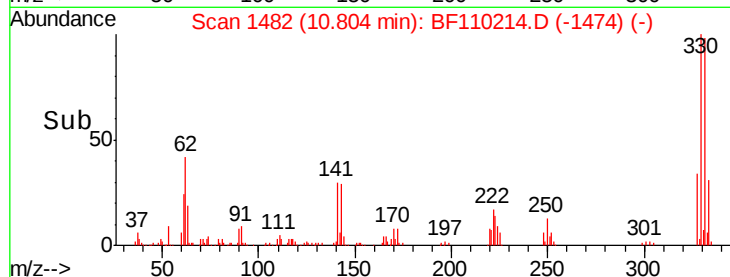
#67
4-Bromophenyl-phenylether
Concen: 3.065 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10608
Ion Ratio Lower Upper
248 100
250 198.5 79.4 119.2#
141 467.9 55.9 83.9#

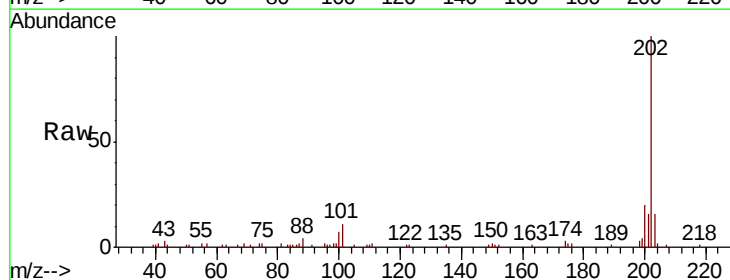


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

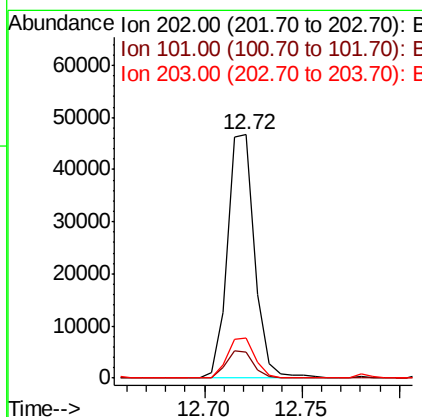
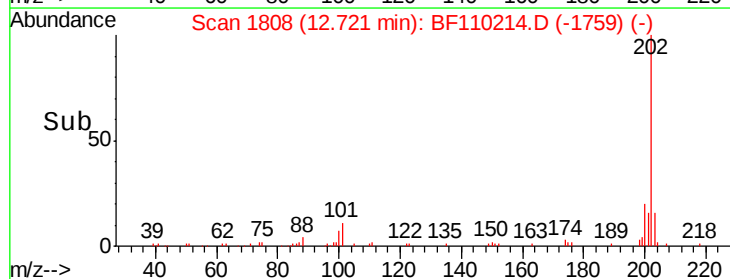


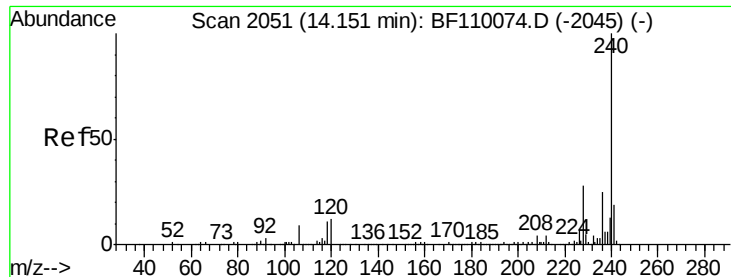
#75
Fluoranthene
Concen: 2.655 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Tgt Ion:202 Resp: 44971
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 16.4 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: BF110214.D

Acq: 26 Oct 2018 17:17

Instrument :

BNA_F

ClientSampleId :

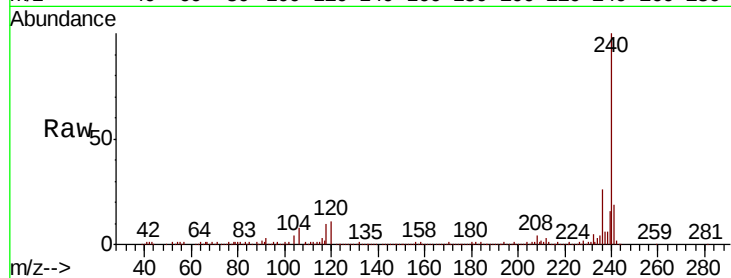
Tot Ion:240 Resp: 237103

Ion Ratio Lower Upper

240 100

120 10.6 8.3 12.5

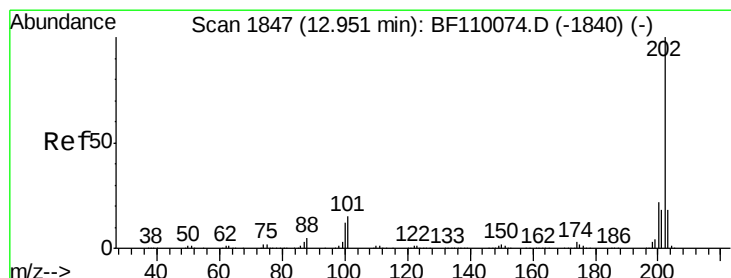
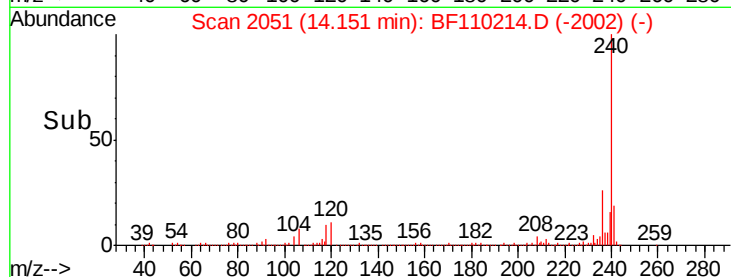
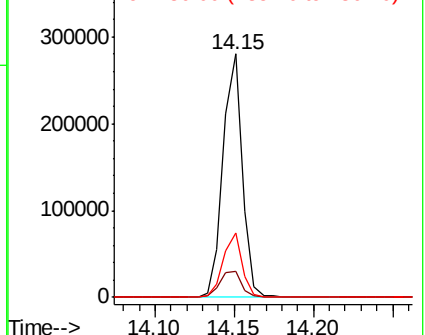
236 26.2 21.2 31.8



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

Pyrene

Concen: 2.325 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF110214.D

Acq: 26 Oct 2018 17:17

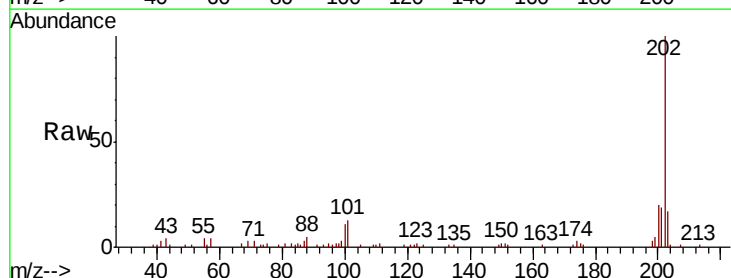
Tgt Ion:202 Resp: 39515

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.6

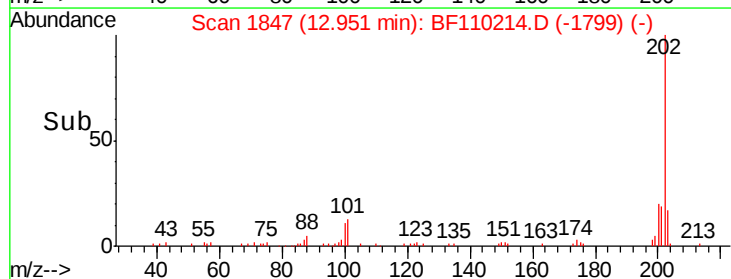
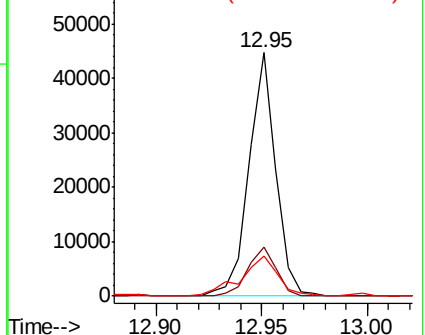
203 16.5 14.2 21.4

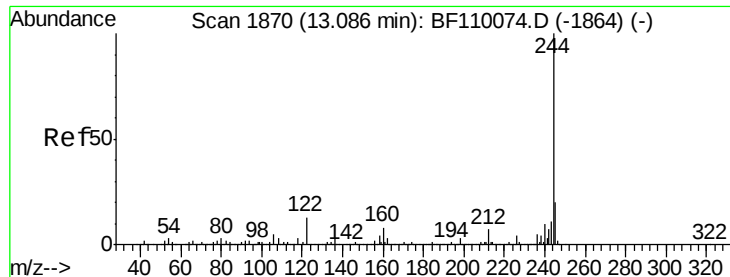


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 53.532 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110214.D

Acq: 26 Oct 2018 17:17

Instrument :

BNA_F

ClientSampleId :

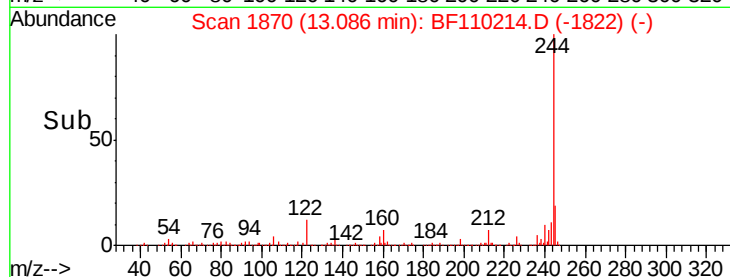
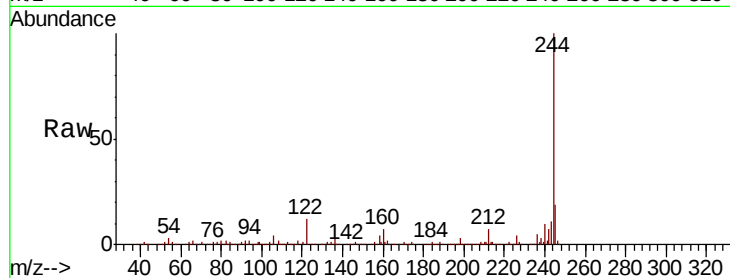
Tot Ion:244 Resp: 610301

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

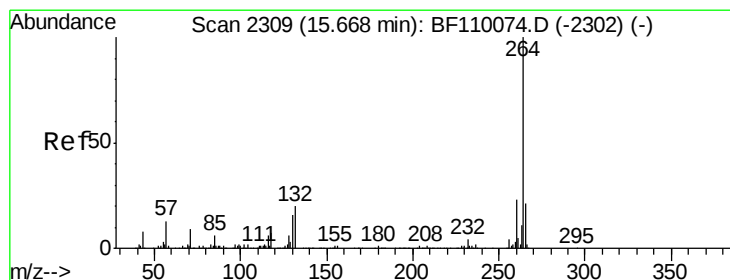
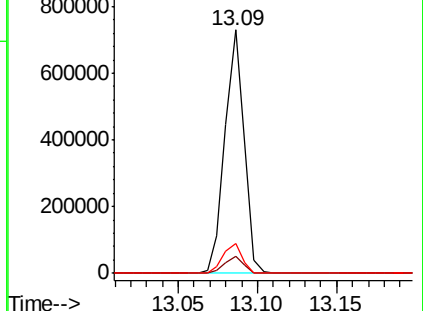
122 12.1 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110214.D

Acq: 26 Oct 2018 17:17

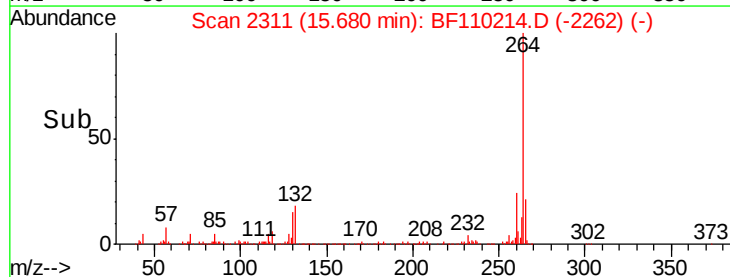
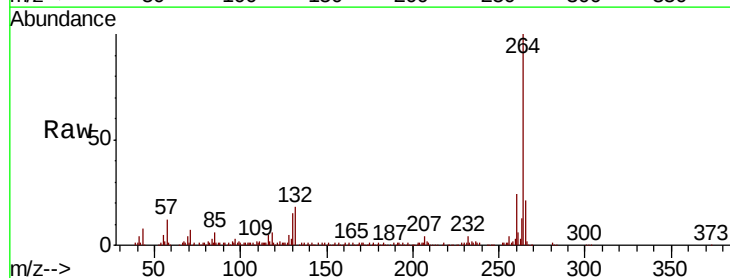
Tgt Ion:264 Resp: 164162

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

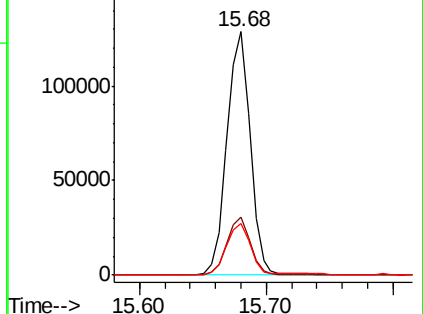
265 21.4 16.7 25.1

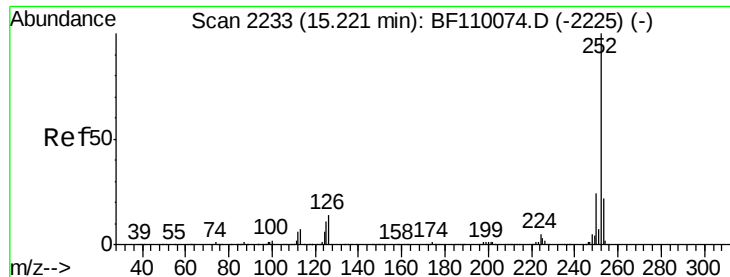


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

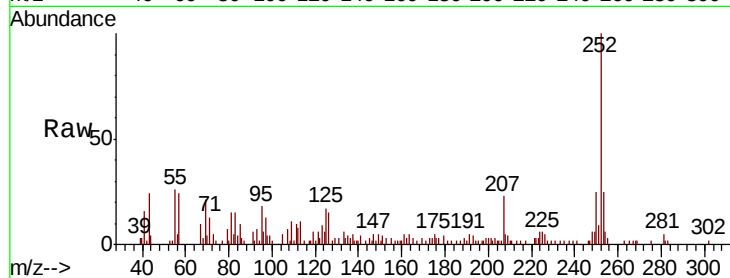




#88
Benzo(b)fluoranthene
Concen: 4.262 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	16.7	8.2	12.4

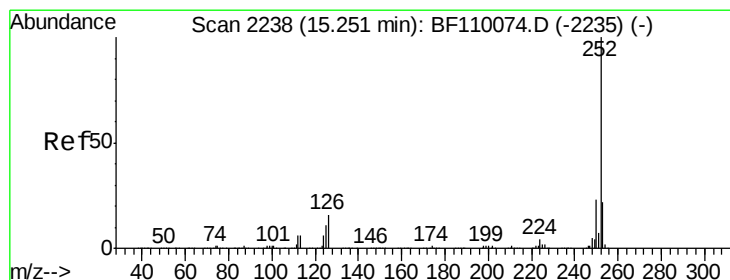
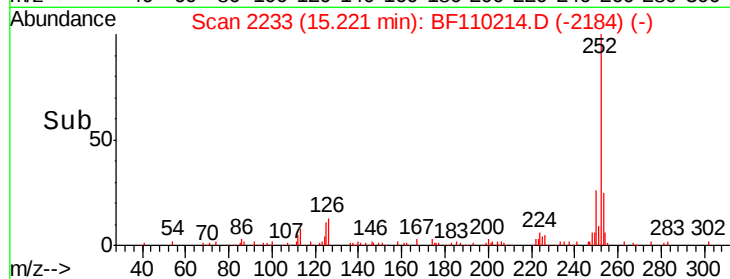
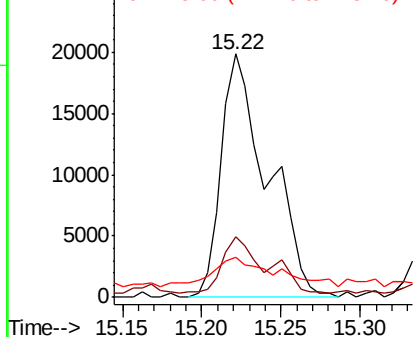


Abundance

Ion 252.00 (251.70 to 252.70): E

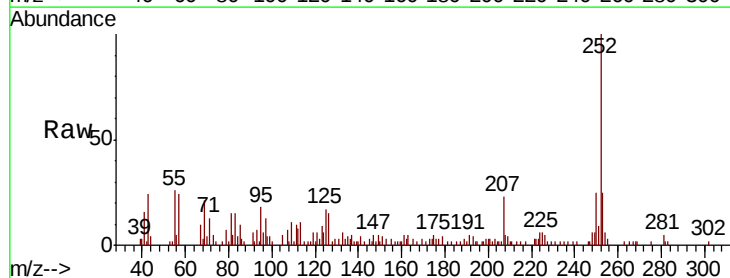
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.335 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110214.D
Acq: 26 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	16.7	7.4	11.0

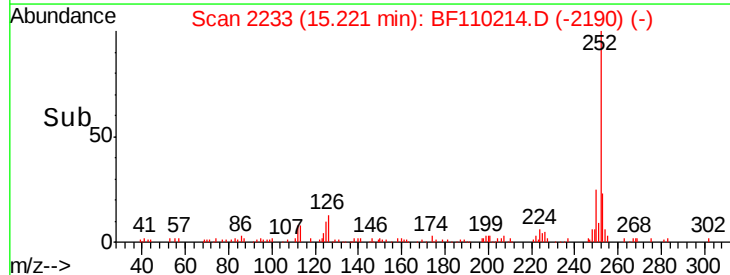
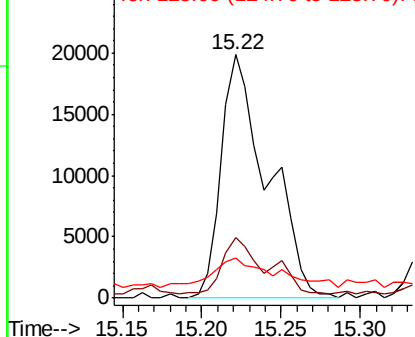


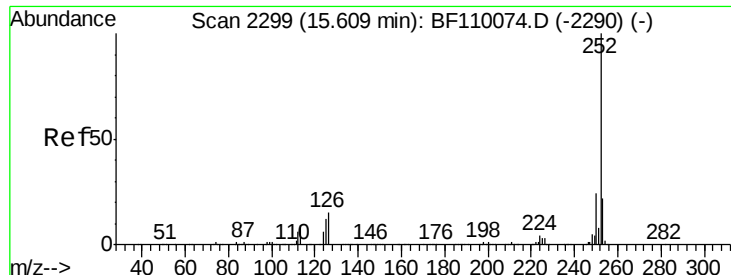
Abundance

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: 2.159 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BF110214.D

Acq: 26 Oct 2018 17:17

Instrument :

BNA_F

ClientSampleId :

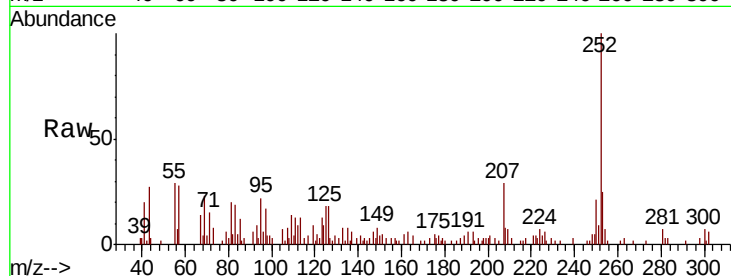
Tot Ion:252 Resp: 18830

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.4

125 17.8 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

