

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\
 Data File : BF110564.D
 Acq On : 7 Nov 2018 19:14
 Operator : JU/SJ
 Sample : J5813-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 08 16:22:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	68396	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	245734	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	92294	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	150122	20.00	ng	0.00
76) Chrysene-d12	14.13	240	156259	20.00	ng	0.00
87) Perylene-d12	15.67	264	107453	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	448317	106.74	ng	0.00
7) Phenol-d6	6.57	99	542295	100.94	ng	0.00
23) Nitrobenzene-d5	7.52	82	340471	82.18	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	91745	100.35	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	540592	91.97	ng	-0.01
79) Terphenyl-d14	13.07	244	445867	59.34	ng	0.00

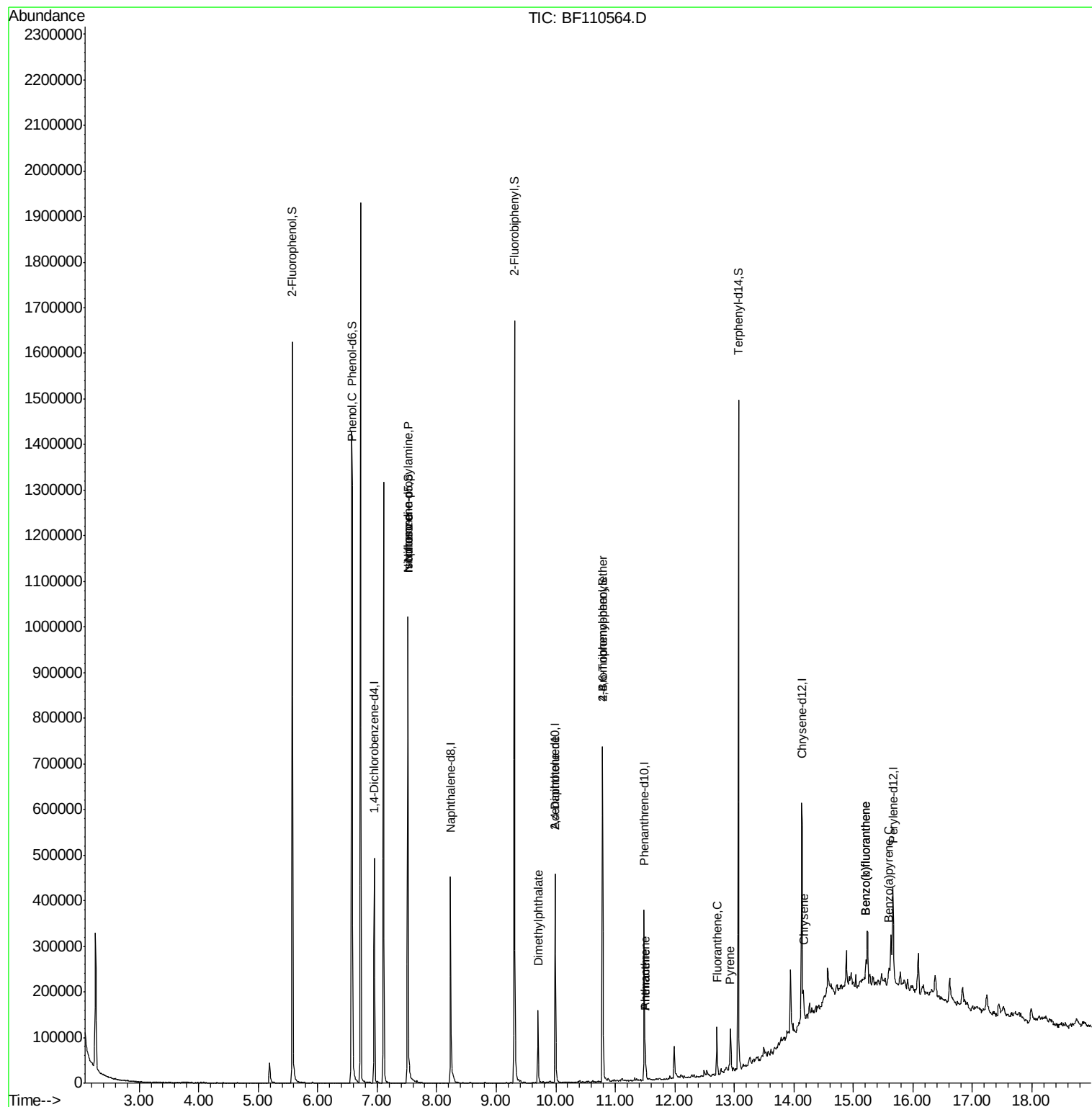
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1140	Below Cal		# 1
10) Phenol	6.59	94	32943	5.737	ng	# 72
19) n-Nitroso-di-n-propylamine	7.52	70	45069	13.077	ng	# 76
25) Isophorone	7.52	82	340471	48.211	ng	# 67
50) Dimethylphthalate	9.70	163	72018	10.571	ng	# 99
57) 2,4-Dinitrotoluene	9.99	165	11836	6.350	ng	# 17
67) 4-Bromophenyl-phenylether	10.79	248	5887	3.615	ng	# 1
71) Phenanthrene	11.51	178	16834	2.143	ng	# 97
72) Anthracene	11.51	178	16834	2.138	ng	# 97
75) Fluoranthene	12.70	202	41776	5.240	ng	# 99
78) Pyrene	12.93	202	38636	3.449	ng	# 97
83) Chrysene	14.16	228	23069	2.621	ng	# 96
88) Benzo(b)fluoranthene	15.21	252	31818	5.128	ng	# 80
89) Benzo(k)fluoranthene	15.21	252	31818	5.216	ng	# 79
90) Benzo(a)pyrene	15.60	252	12696	2.224	ng	# 76

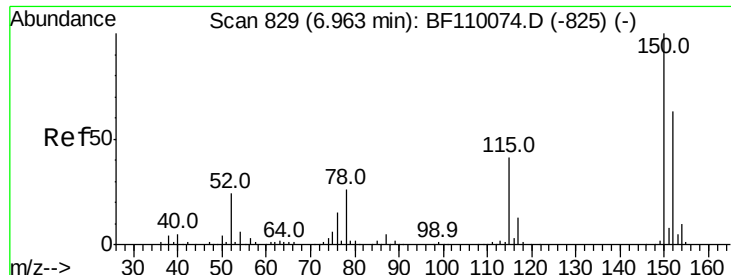
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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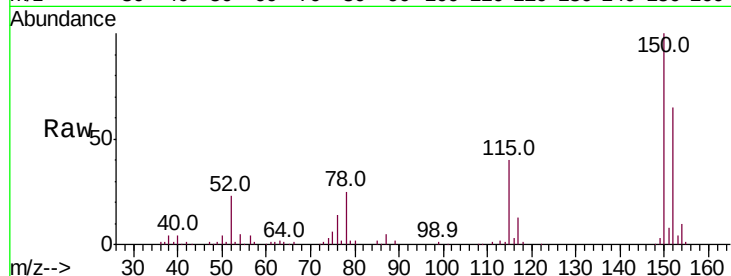


#1

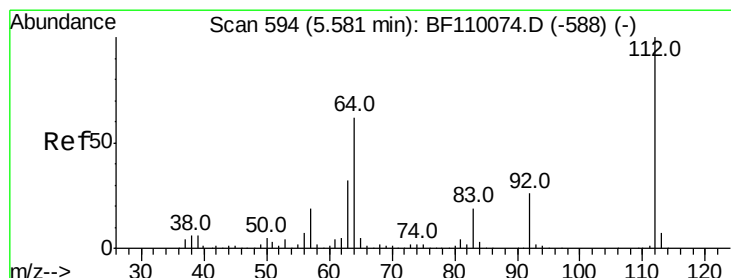
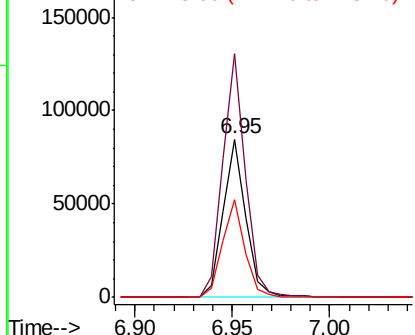
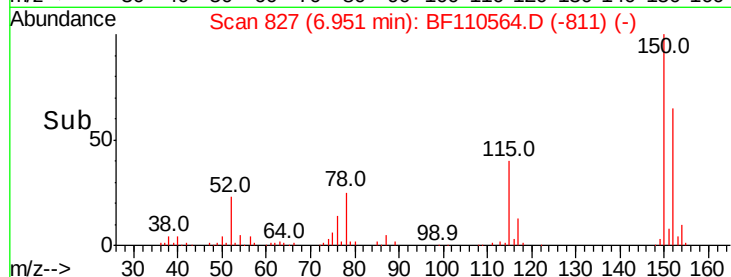
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 68396
Ion Ratio Lower Upper
152 100
150 153.8 122.7 184.1
115 61.5 49.1 73.7



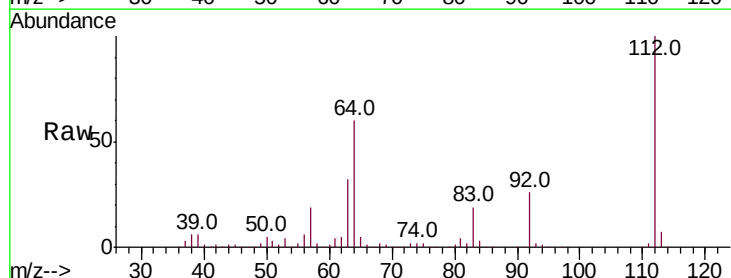
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



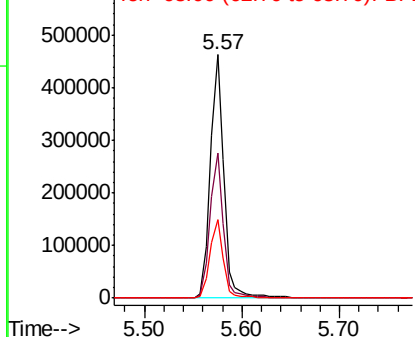
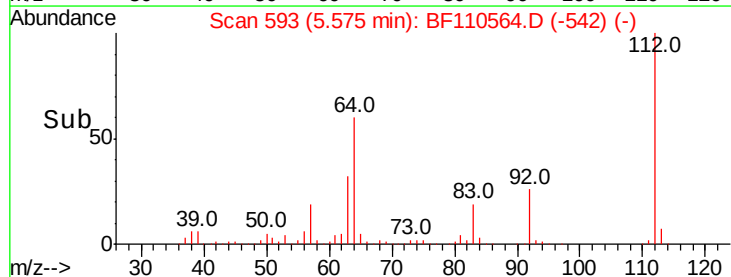
#5

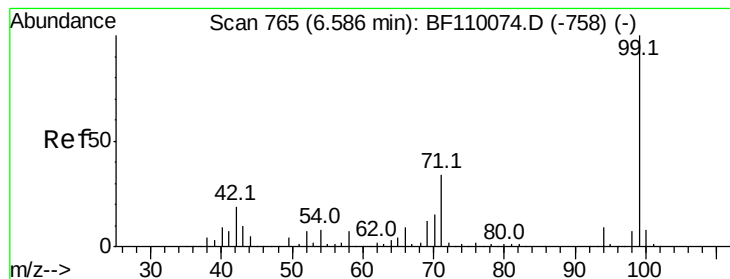
2-Fluorophenol
Concen: 106.741 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Tgt Ion:112 Resp: 448317
Ion Ratio Lower Upper
112 100
64 59.8 44.1 66.1
63 32.2 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: 100.945 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110564.D

Acq: 7 Nov 2018 19:14

Instrument :

BNA_F

ClientSampleId :

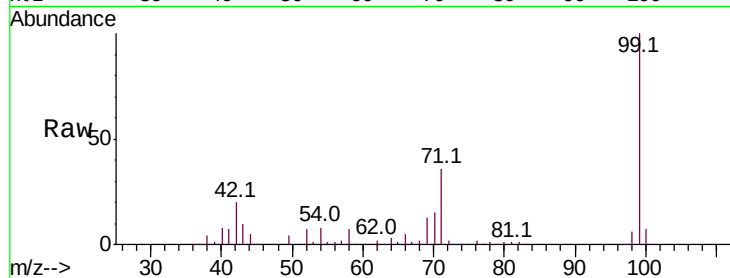
Tot Ion: 99 Resp: 542295

Ion Ratio Lower Upper

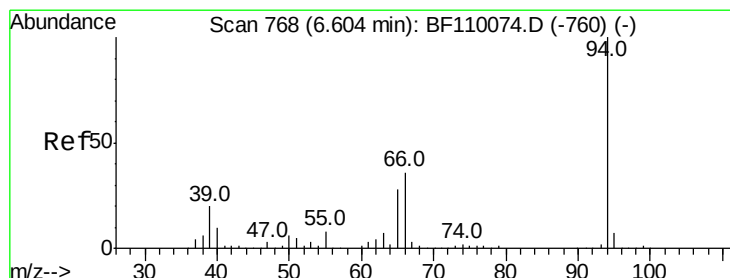
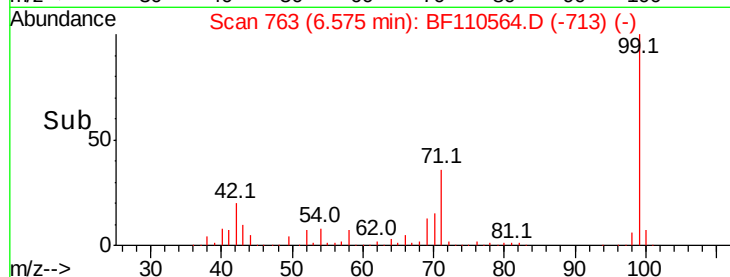
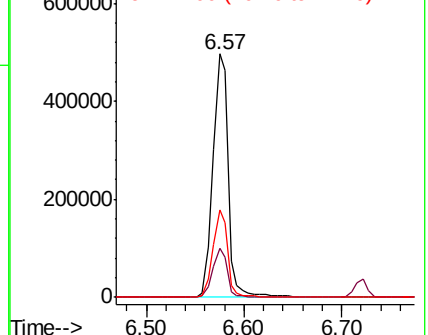
99 100

42 20.1 15.8 23.6

71 35.9 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: 5.737 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110564.D

Acq: 7 Nov 2018 19:14

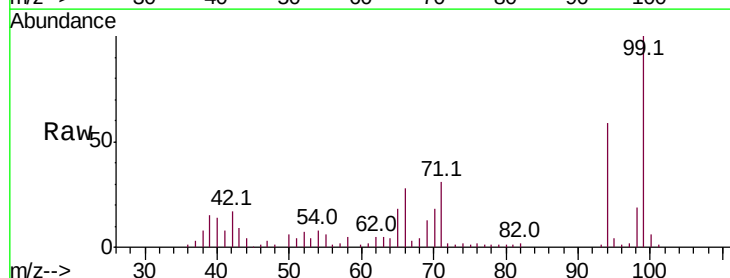
Tgt Ion: 94 Resp: 32943

Ion Ratio Lower Upper

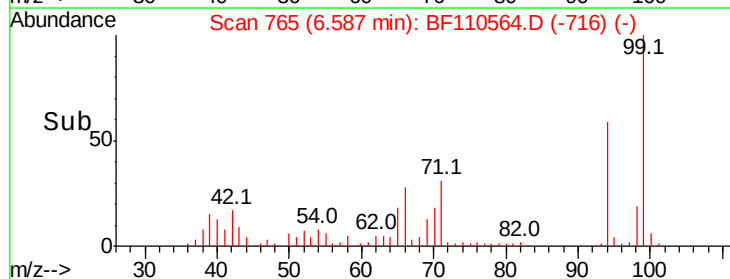
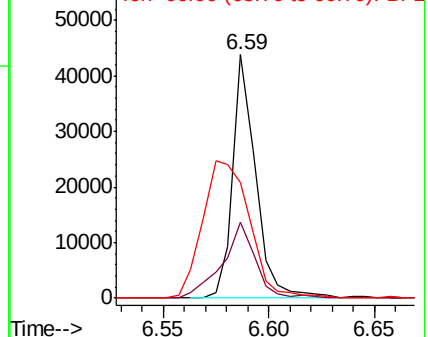
94 100

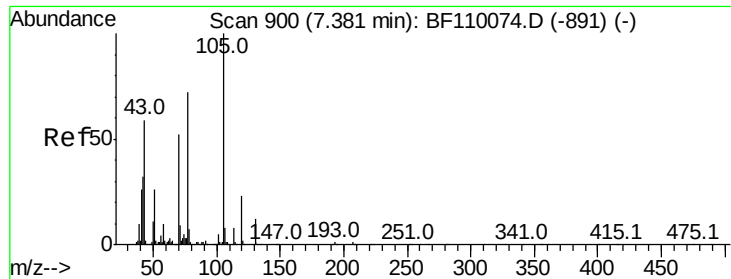
65 31.0 25.3 65.3

66 47.6 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

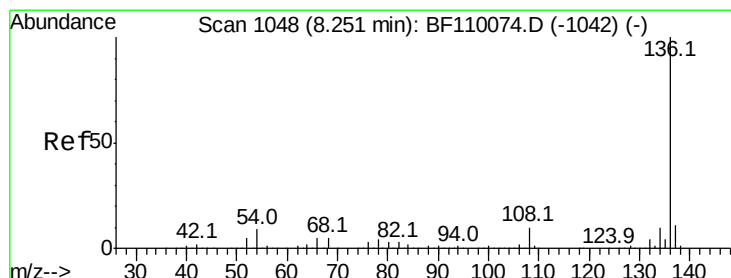
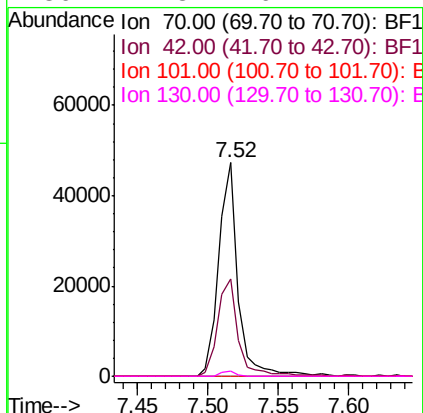
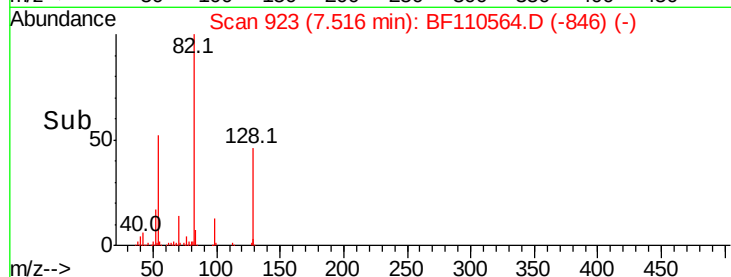
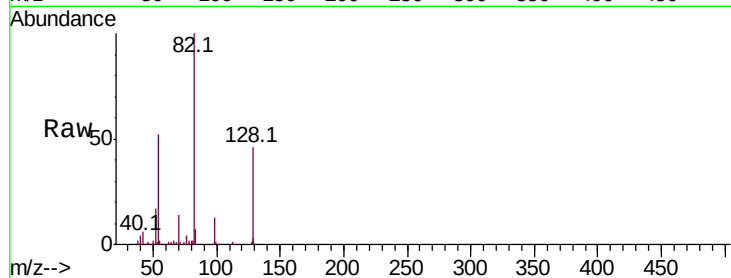




#19
n-Nitroso-di-n-propylamine
Concen: 13.077 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

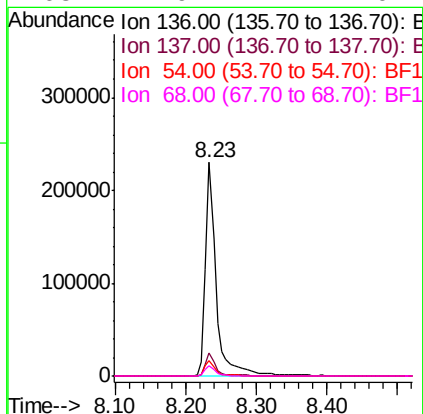
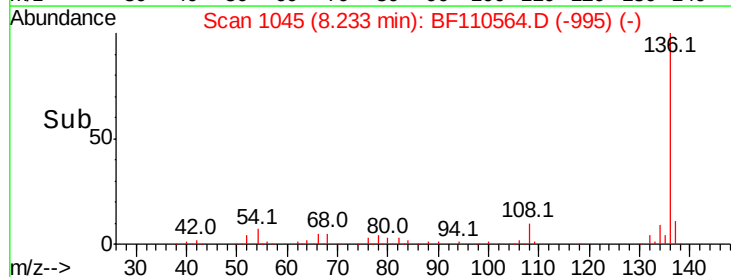
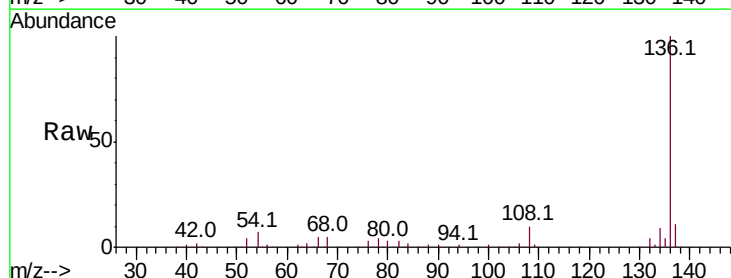
Instrument :
BNA_F
ClientSampleId :

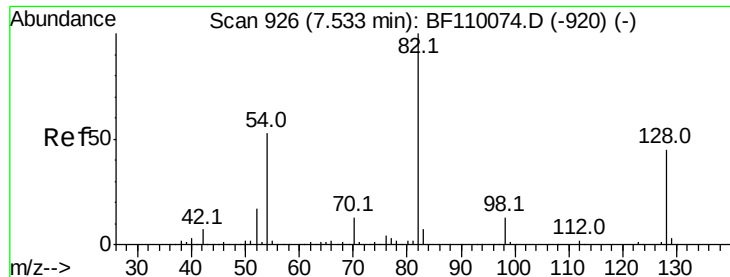
Tot Ion: 70 Resp: 45069
Ion Ratio Lower Upper
70 100
42 45.5 47.4 71.2#
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Tgt Ion:136 Resp: 245734
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.5 5.4 8.2
68 4.9 4.2 6.2

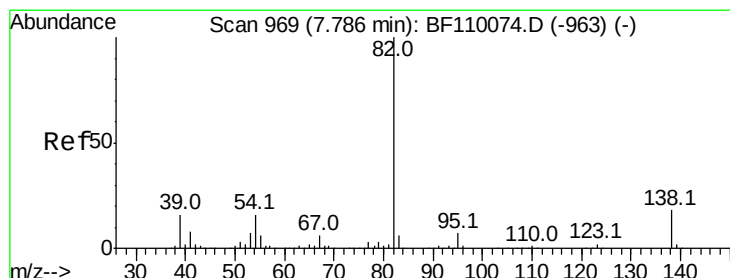
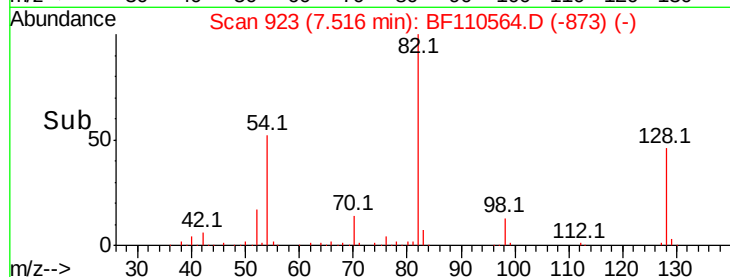
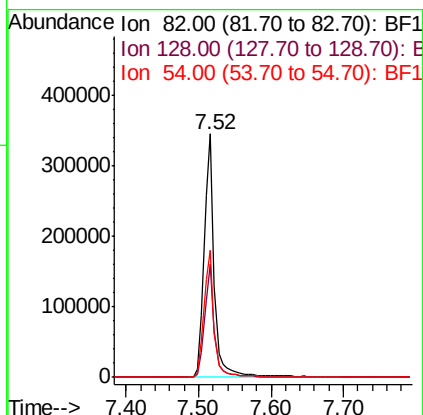
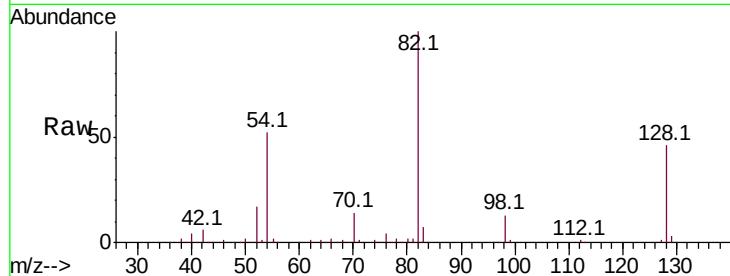




#23
 Nitrobenzene-d5
 Concen: 82.180 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

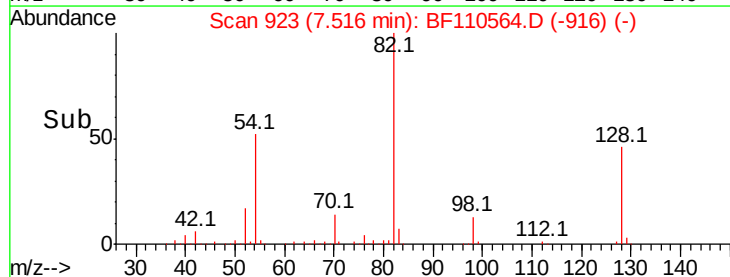
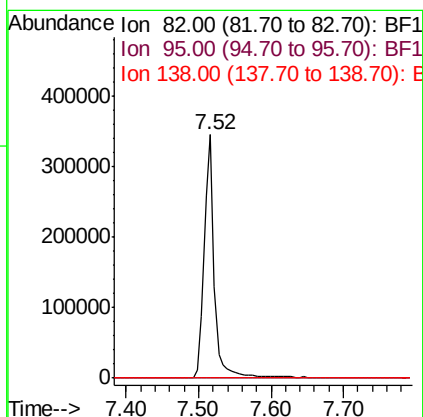
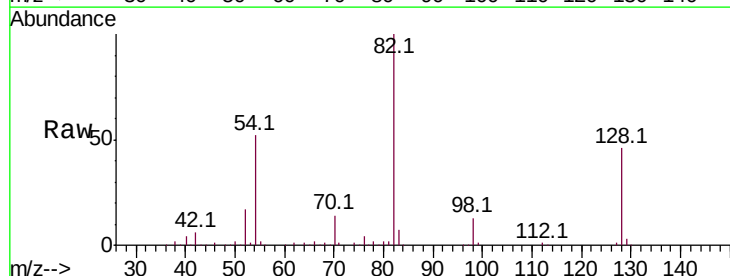
Instrument :
 BNA_F
 ClientSampled :

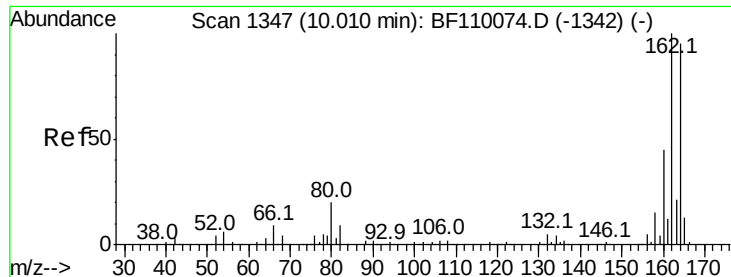
Tot Ion	82	Resp	340471
Ion Ratio	Lower	Upper	
82	100		
128	46.5	34.2	51.2
54	52.1	38.6	58.0



#25
 Isophorone
 Concen: 48.211 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

Tgt Ion	82	Resp	340471
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

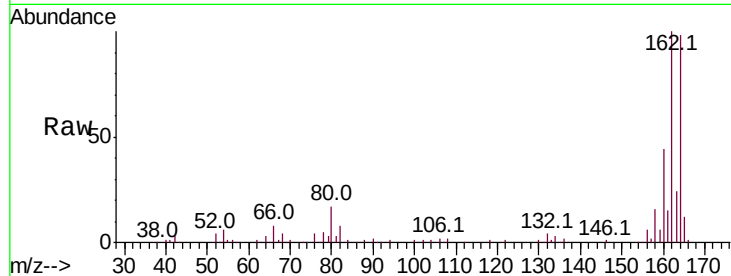




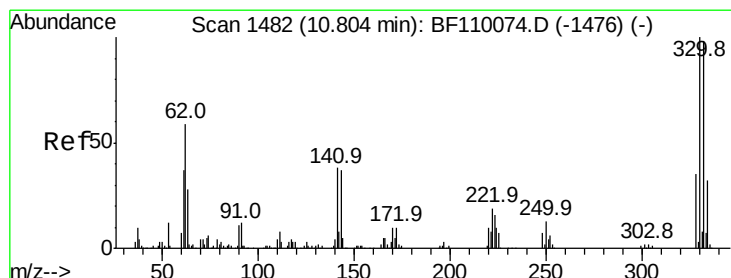
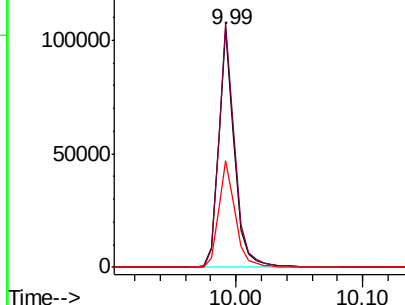
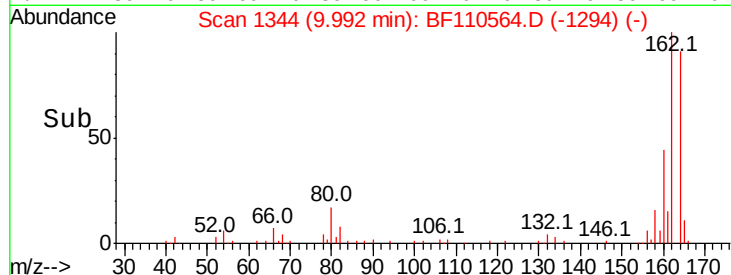
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 92294
Ion Ratio Lower Upper
164 100
162 102.3 83.0 124.6
160 44.8 37.0 55.6

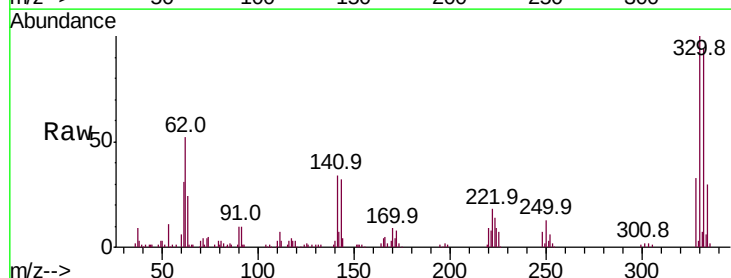


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

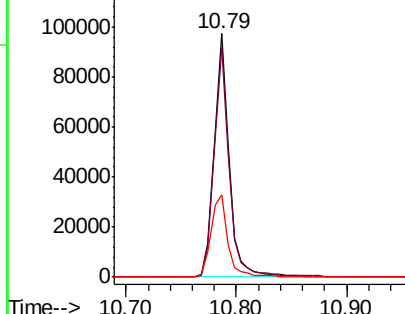
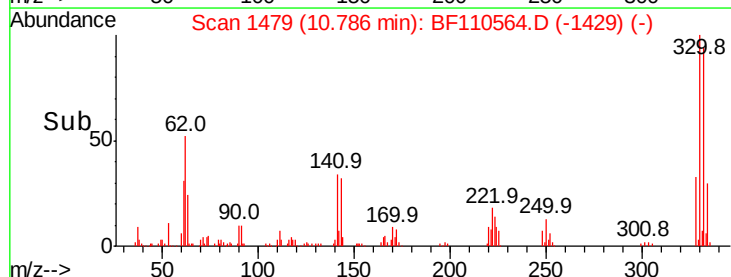


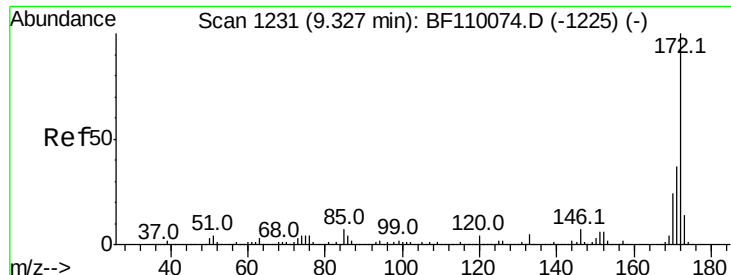
#42
2,4,6-Tribromophenol
Concen: 100.352 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Tgt Ion:330 Resp: 91745
Ion Ratio Lower Upper
330 100
332 94.7 77.1 115.7
141 37.1 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

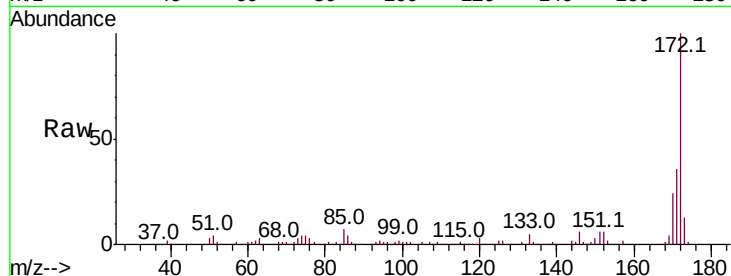




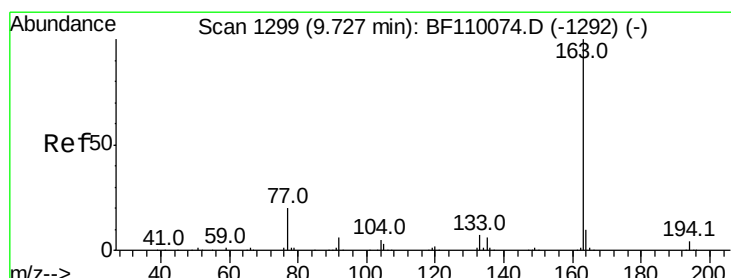
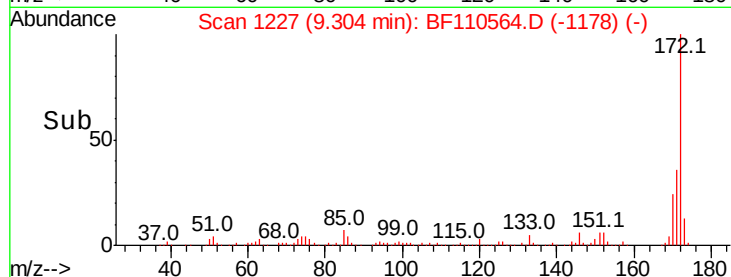
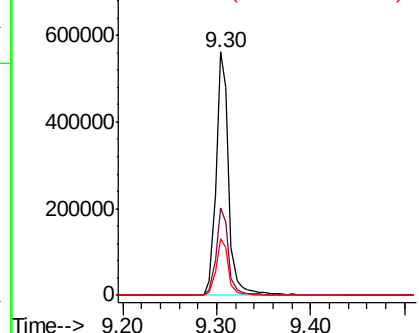
#45
2-Fluorobiphenyl
Concen: 91.974 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 540592
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.5 19.7 29.5

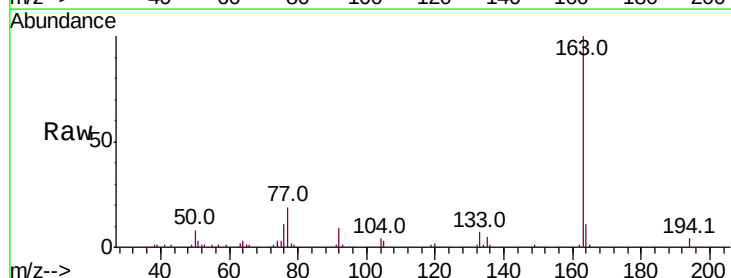


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

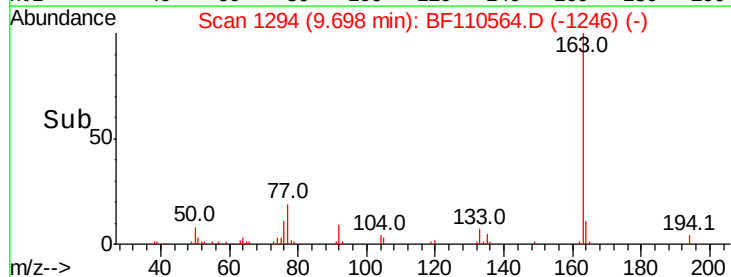
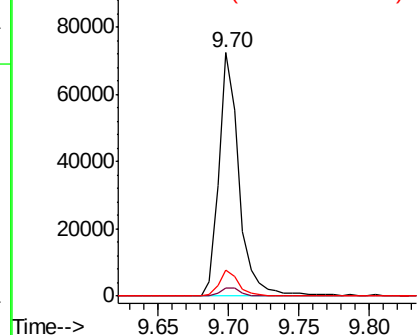


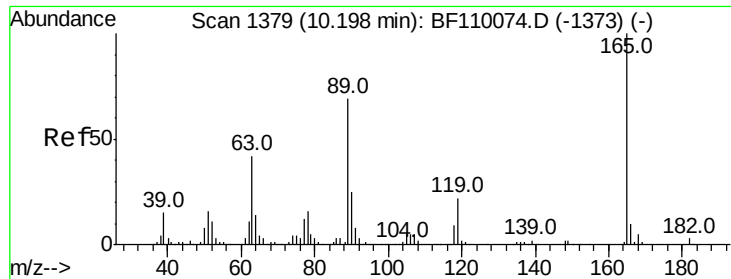
#50
Dimethylphthalate
Concen: 10.571 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Tgt Ion:163 Resp: 72018
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.6 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

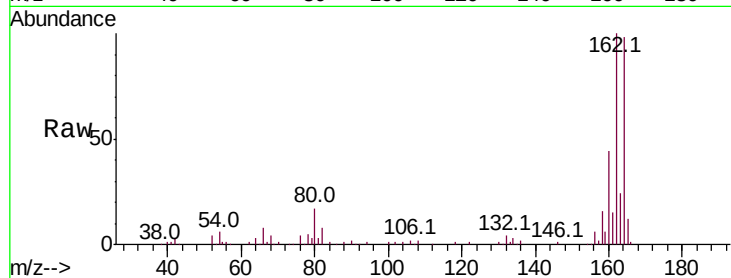




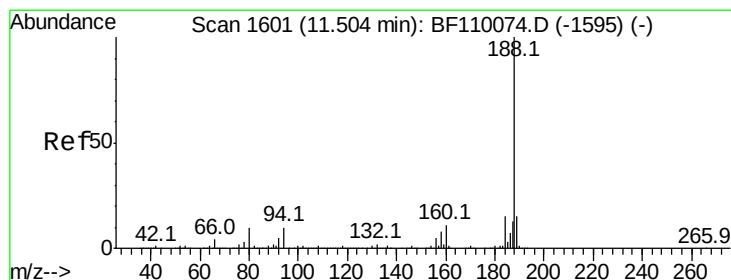
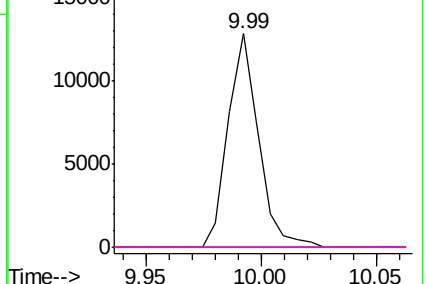
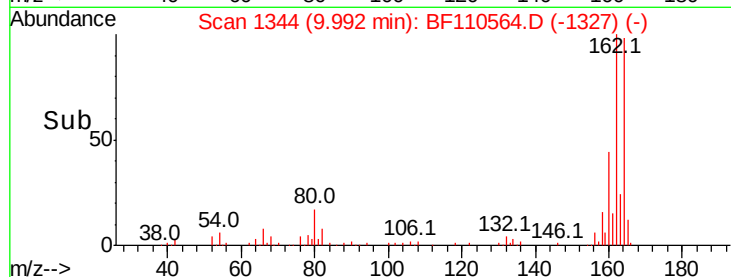
#57
 2,4-Dinitrotoluene
 Concen: 6.350 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	11836
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

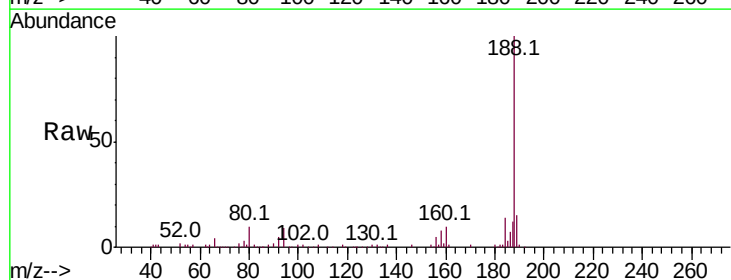


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

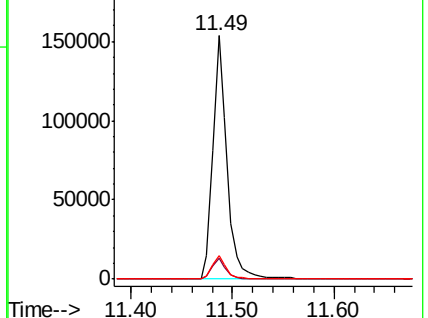
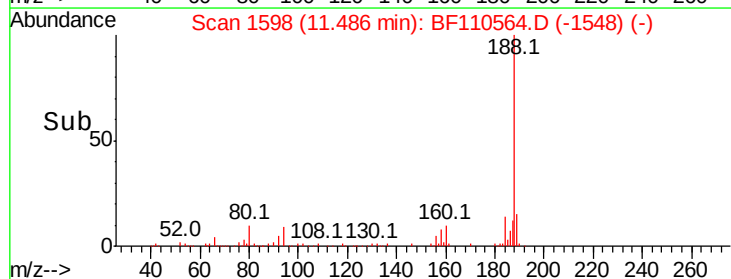


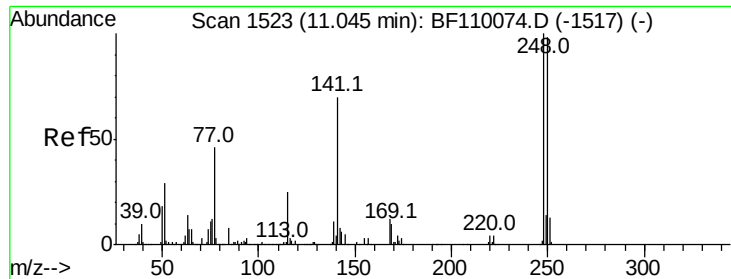
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

Tgt Ion:	188	Resp:	150122
Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	9.6	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

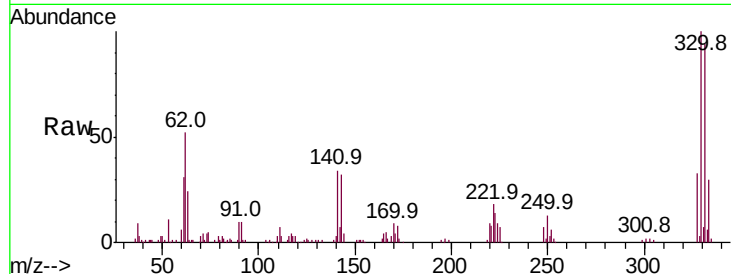




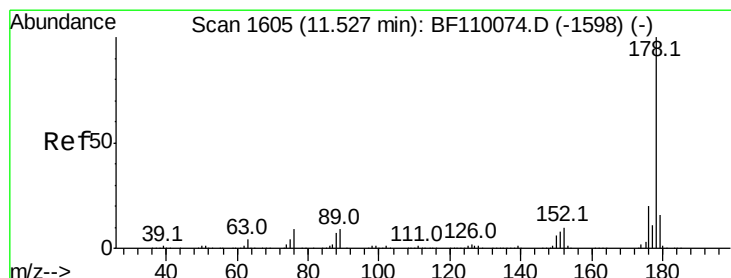
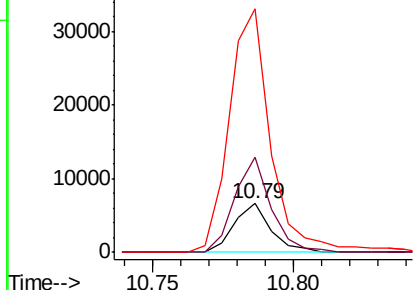
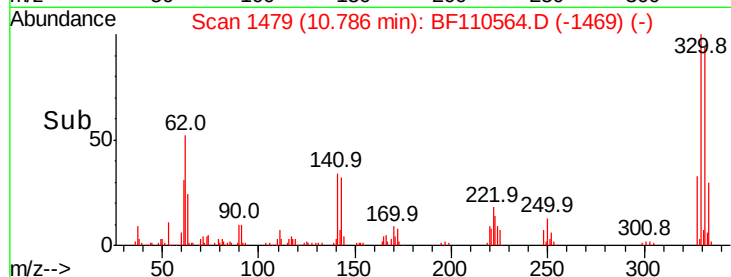
#67
 4-Bromophenyl-phenylether
 Concen: 3.615 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5887
 Ion Ratio Lower Upper
 248 100
 250 194.6 79.4 119.2#
 141 499.9 55.9 83.9#

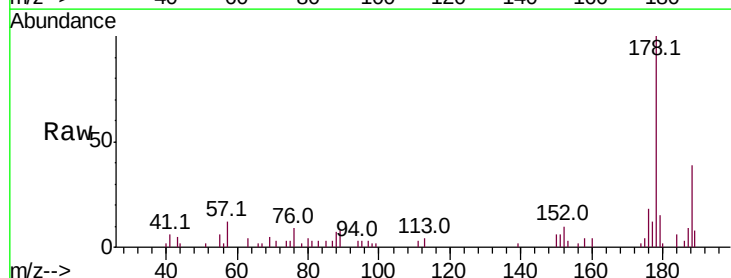


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

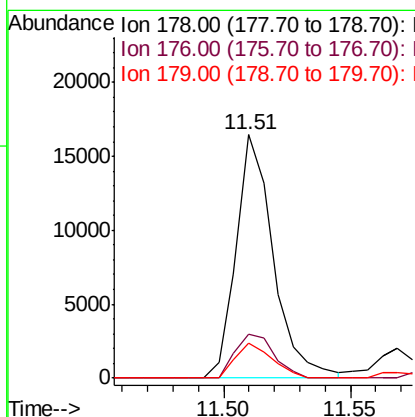
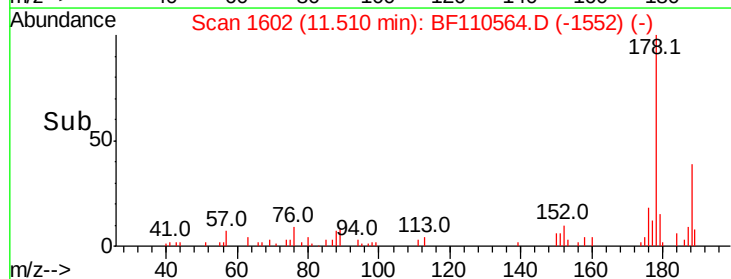


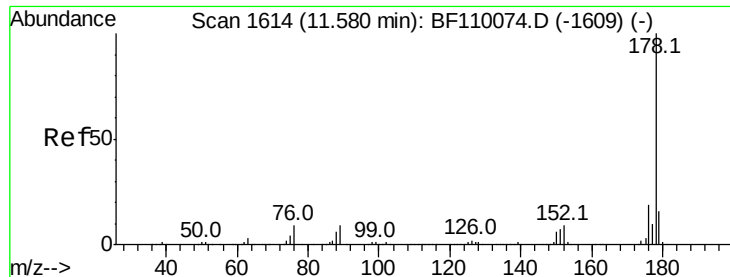
#71
 Phenanthrene
 Concen: 2.143 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

Tgt Ion:178 Resp: 16834
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 14.5 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

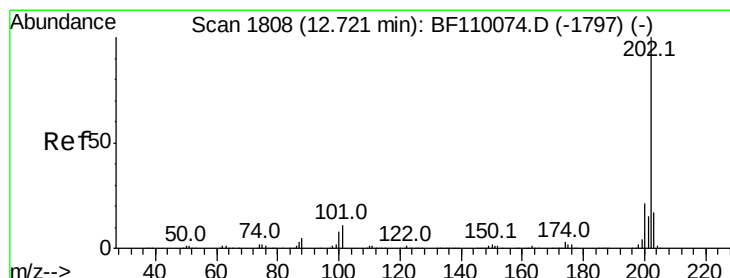
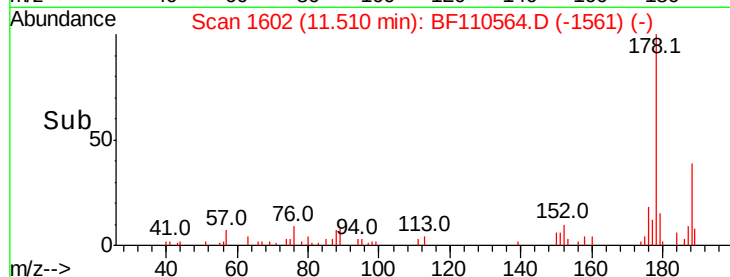
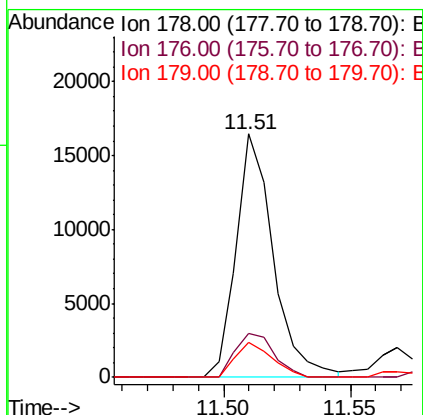
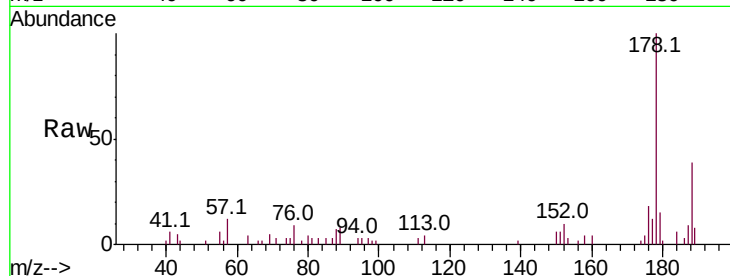




#72
 Anthracene
 Concen: 2.138 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.06 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

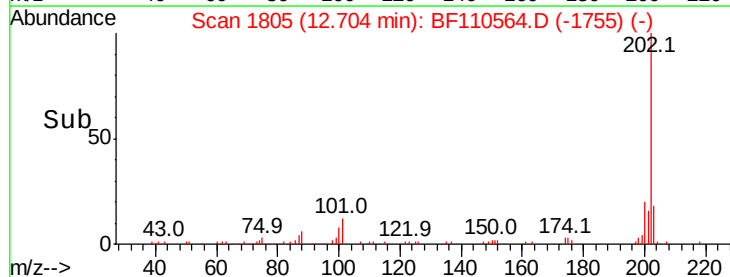
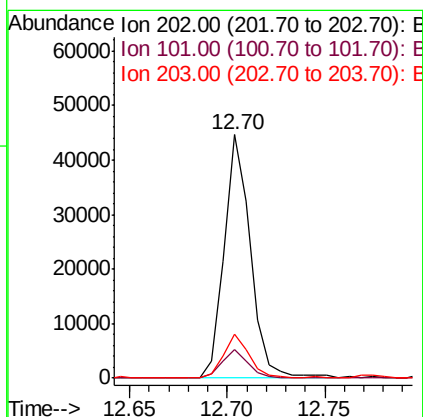
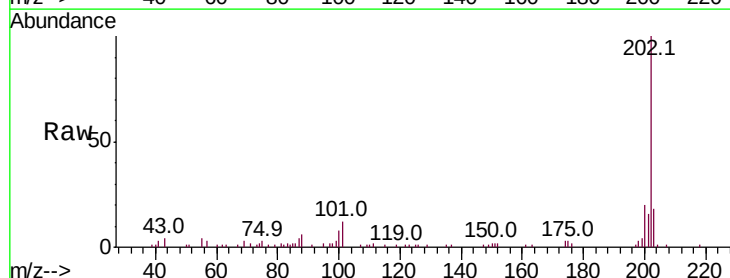
Instrument :
 BNA_F
 ClientSampleId :

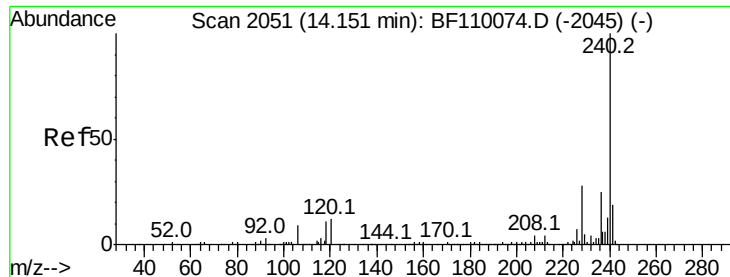
Tot Ion:178 Resp: 16834
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 14.5 12.6 18.8



#75
 Fluoranthene
 Concen: 5.240 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110564.D
 Acq: 7 Nov 2018 19:14

Tgt Ion:202 Resp: 41776
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.4
 203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110564.D

Acq: 7 Nov 2018 19:14

Instrument :

BNA_F

ClientSampleId :

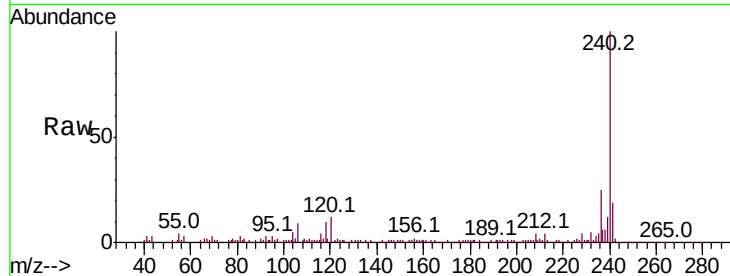
Tot Ion:240 Resp: 156259

Ion Ratio Lower Upper

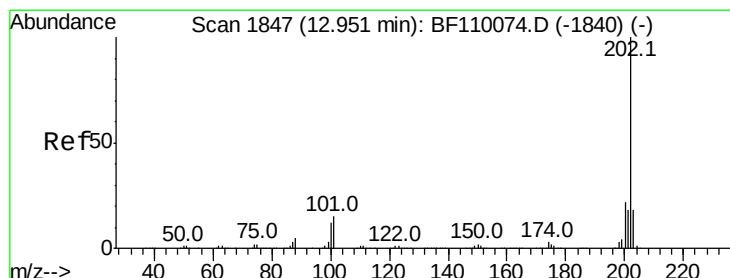
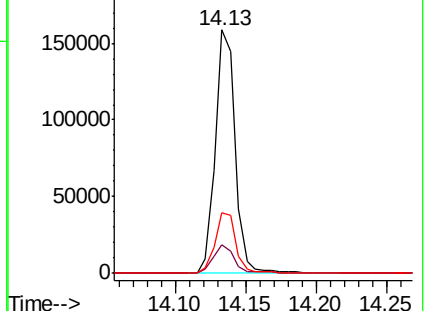
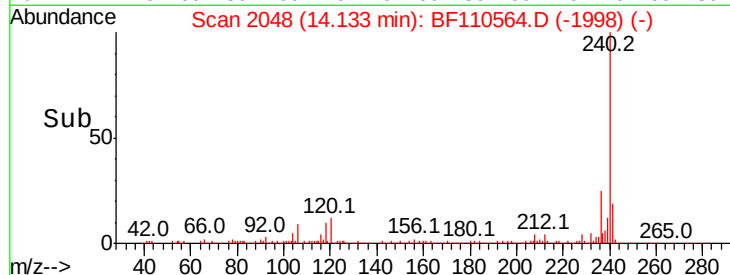
240 100

120 12.0 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

Pyrene

Concen: 3.449 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF110564.D

Acq: 7 Nov 2018 19:14

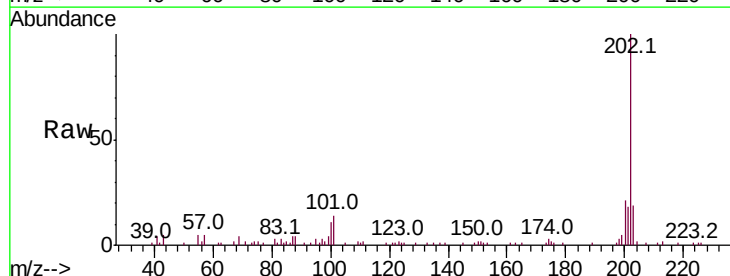
Tgt Ion:202 Resp: 38636

Ion Ratio Lower Upper

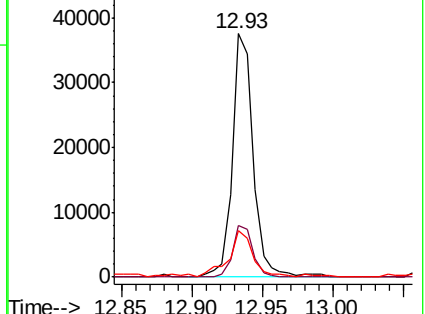
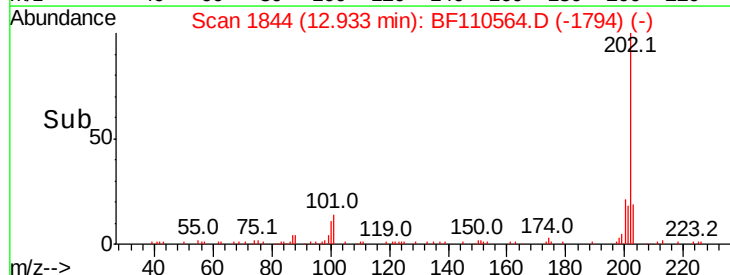
202 100

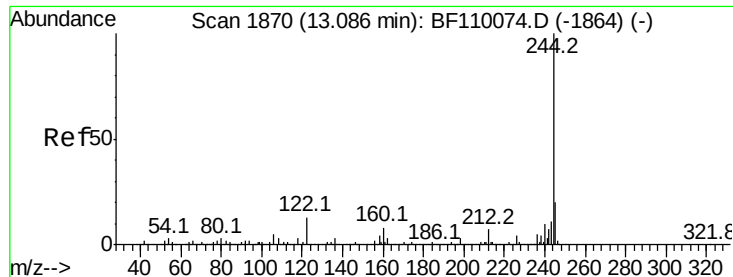
200 21.2 17.8 26.6

203 19.1 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: 59.342 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110564.D

Acq: 7 Nov 2018 19:14

Instrument :

BNA_F

ClientSampleId :

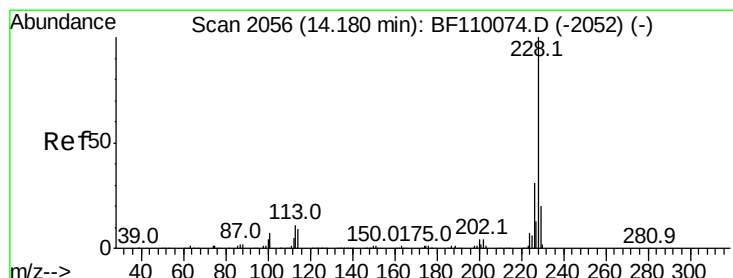
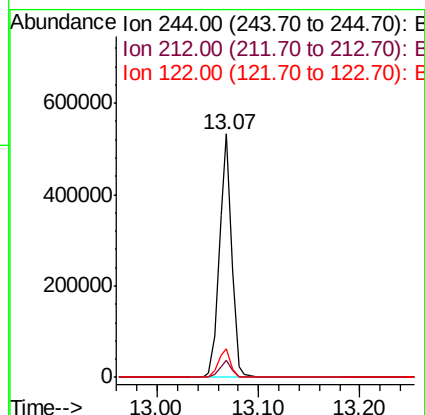
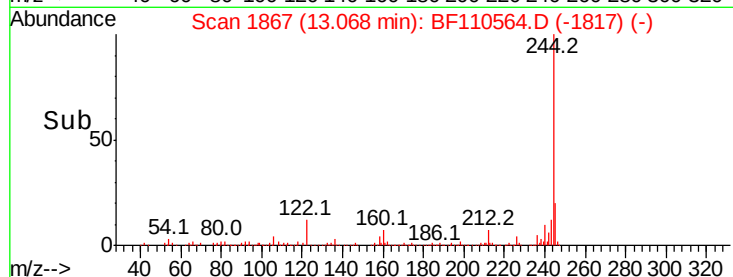
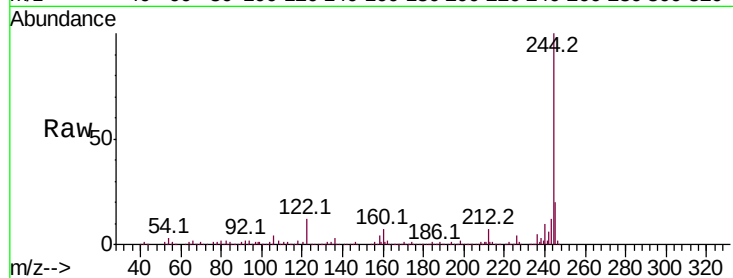
Tot Ion:244 Resp: 445867

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 11.8 8.7 13.1



#83

Chrysene

Concen: 2.621 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110564.D

Acq: 7 Nov 2018 19:14

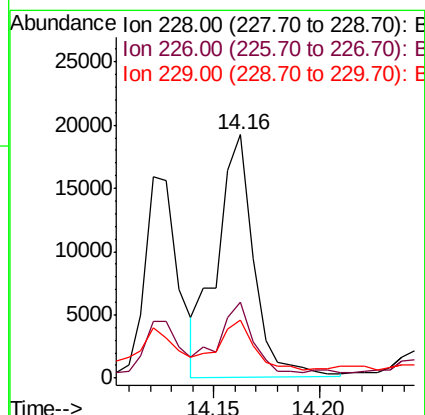
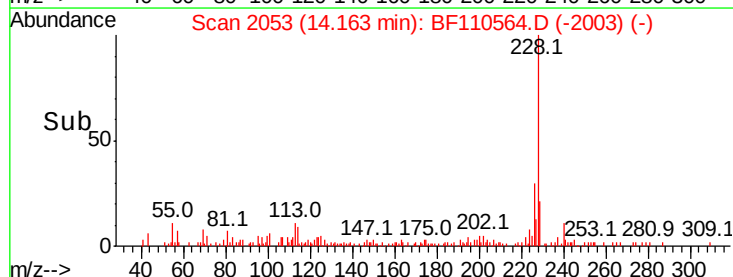
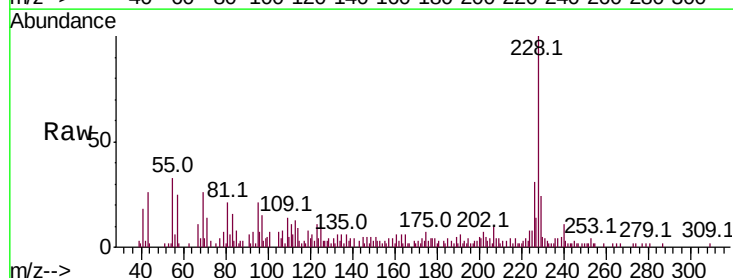
Tgt Ion:228 Resp: 23069

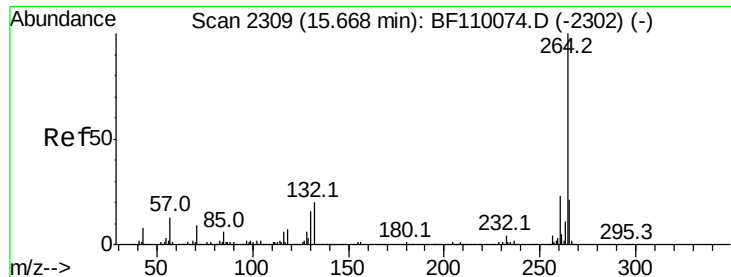
Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

229 24.0 15.9 23.9#

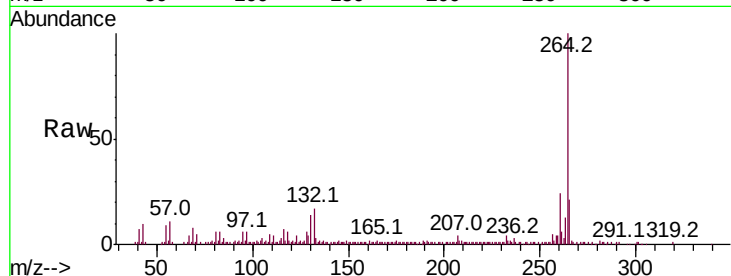




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	20.8	16.7	25.1

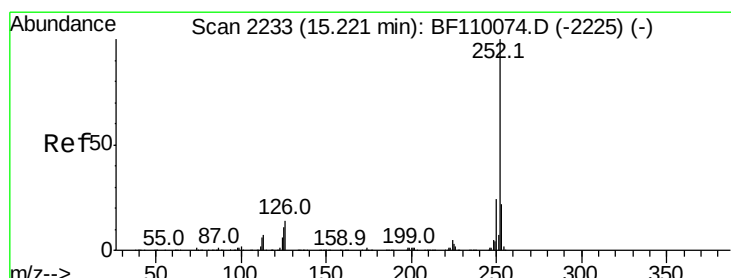
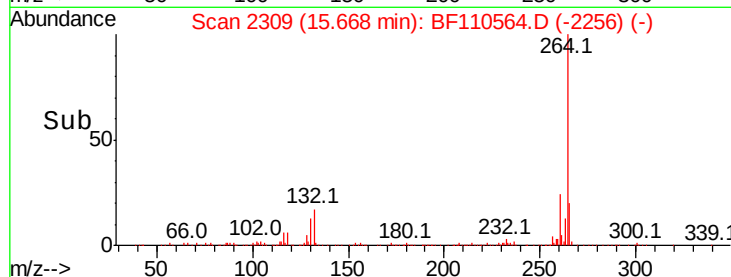
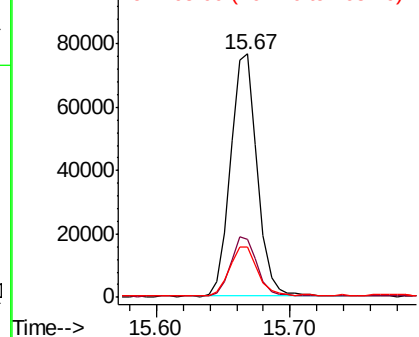


Abundance

Ion 264.00 (263.70 to 264.70): E

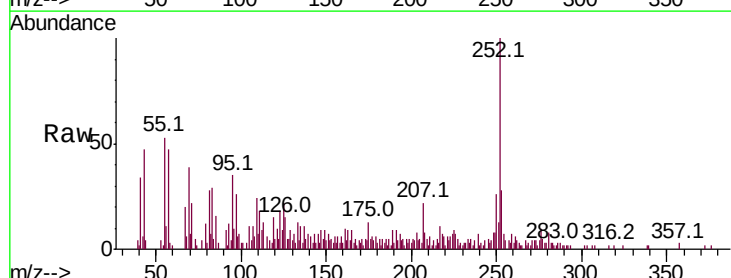
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 5.128 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.2	25.8#
125	21.9	8.2	12.4#

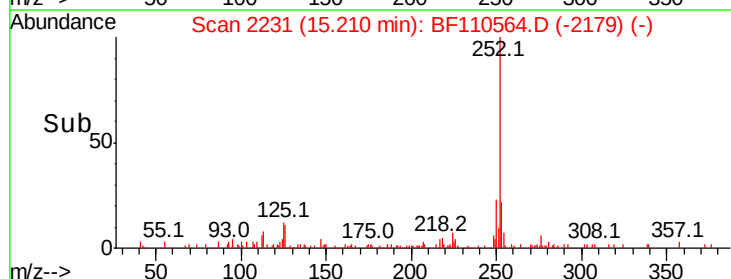
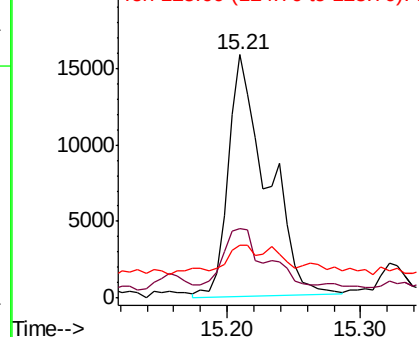


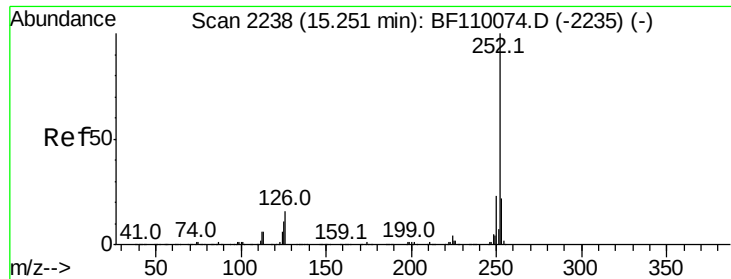
Abundance

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

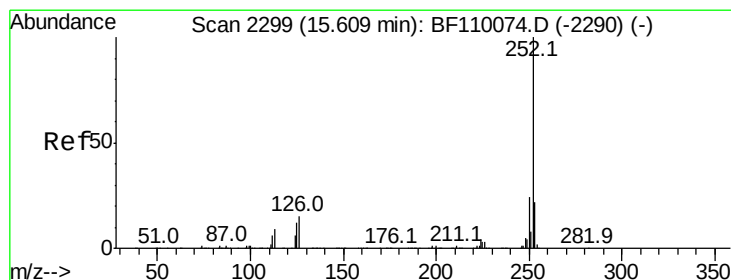
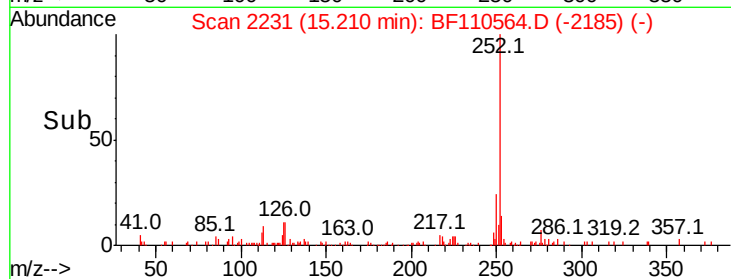
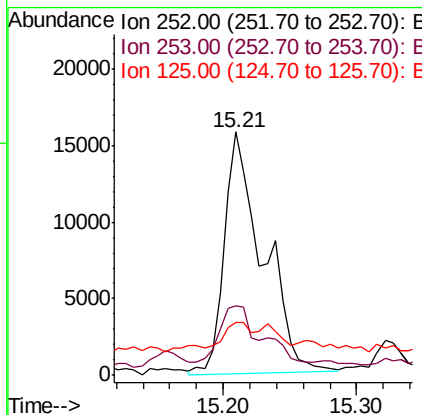
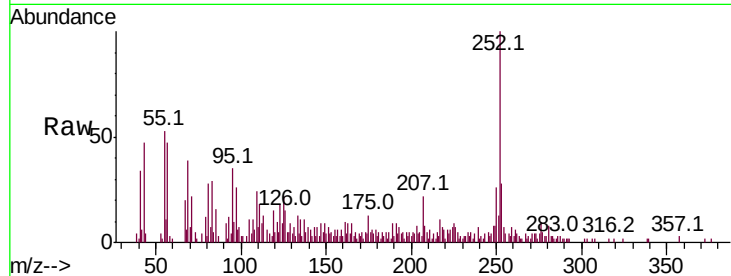




#89
Benzo(k)fluoranthene
Concen: 5.216 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 31818
Ion Ratio Lower Upper
252 100
253 28.4 17.2 25.8#
125 21.9 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.224 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110564.D
Acq: 7 Nov 2018 19:14

Tgt Ion:252 Resp: 12696
Ion Ratio Lower Upper
252 100
253 30.2 18.2 27.4#
125 26.8 9.0 13.6#

