

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110188.D
 Acq On : 26 Oct 2018 3:57
 Operator : JU/SJ
 Sample : J5621-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 06:41:30 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	117722	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	414112	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	154354	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	266806	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	210568	20.00	ng	-0.01
87) Perylene-d12	15.68	264	153870	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	683129	94.50	ng	0.00
7) Phenol-d6	6.59	99	818027	88.47	ng	-0.01
23) Nitrobenzene-d5	7.53	82	461195	66.06	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	129464	84.67	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	739977	75.28	ng	-0.01
79) Terphenyl-d14	13.09	244	639562	63.17	ng	-0.02

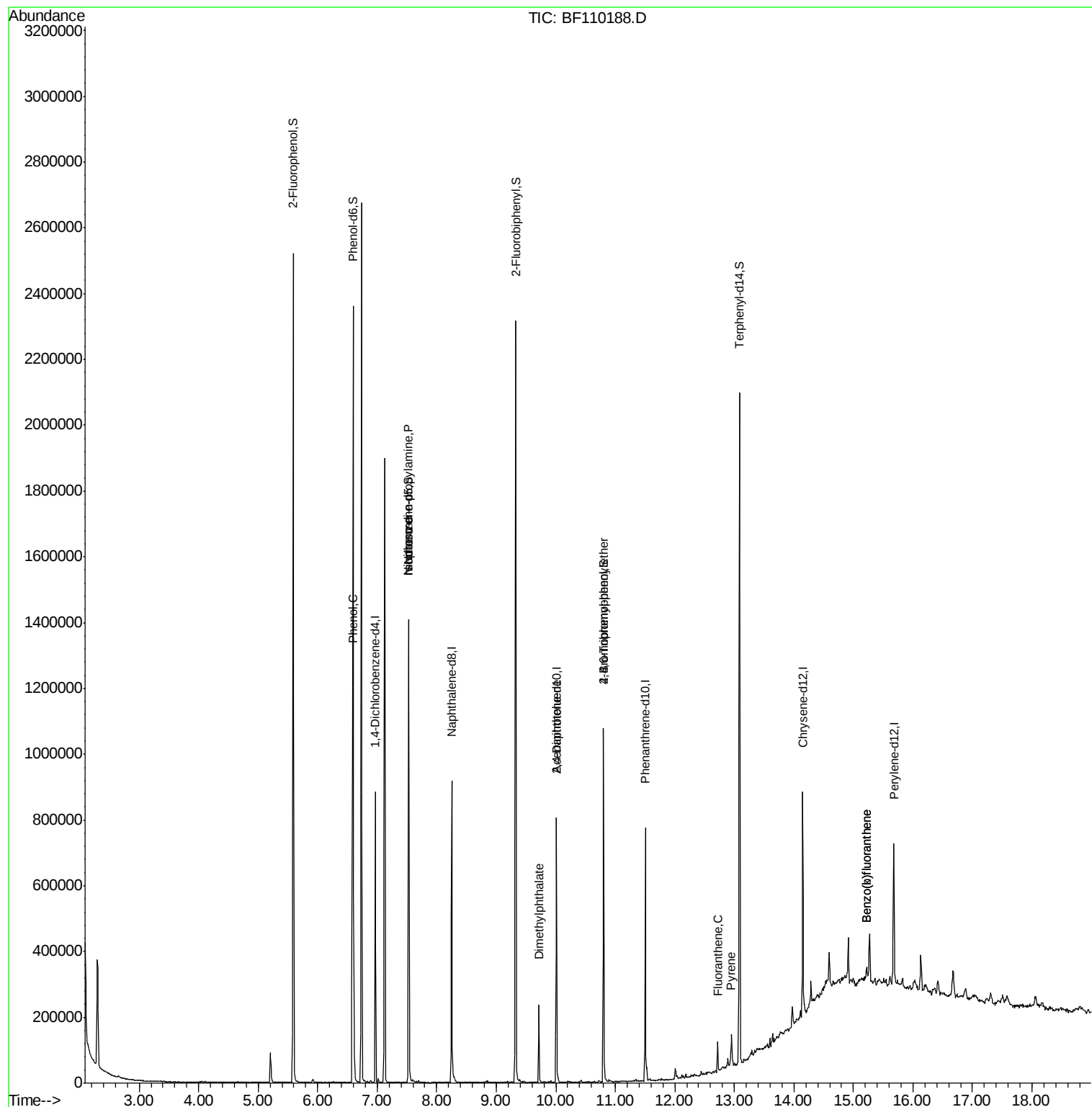
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	122226	12.366	ng	# 61
19) n-Nitroso-di-n-propylamine	7.53	70	59528	10.035	ng	# 79
25) Isophorone	7.53	82	461189	38.751	ng	# 67
50) Dimethylphthalate	9.72	163	92985	8.161	ng	99
57) 2,4-Dinitrotoluene	10.01	165	19786	6.347	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	8334	2.880	ng	# 1
75) Fluoranthene	12.72	202	32865	2.320	ng	98
78) Pyrene	12.95	202	34726	2.300	ng	97
88) Benzo(b)fluoranthene	15.22	252	20008	2.252	ng	# 56
89) Benzo(k)fluoranthene	15.22	252	20008	2.290	ng	# 56

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

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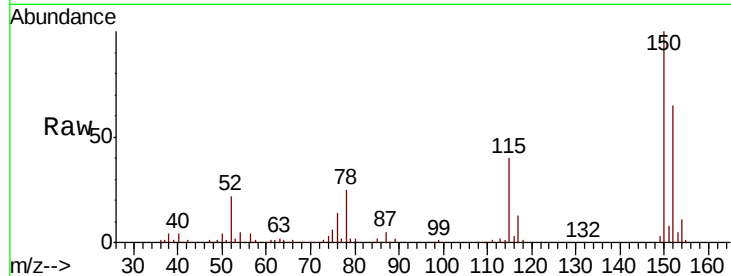


#1

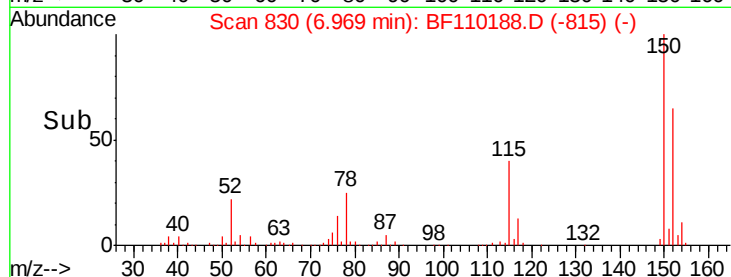
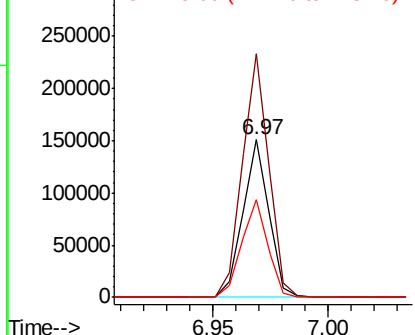
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117722
Ion Ratio Lower Upper
152 100
150 154.8 122.7 184.1
115 62.5 49.1 73.7



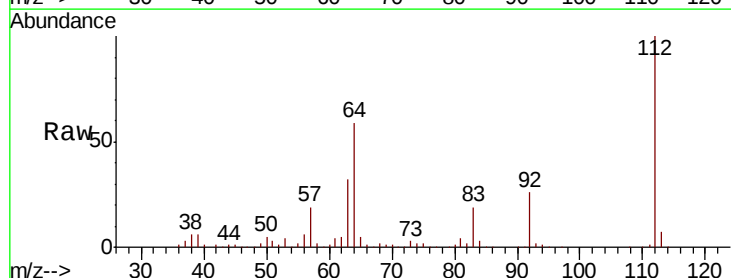
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



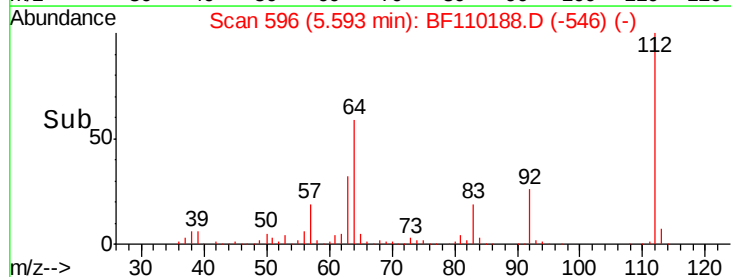
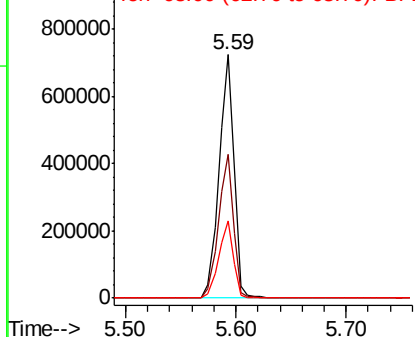
#5

2-Fluorophenol
Concen: 94.497 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

Tgt Ion:112 Resp: 683129
Ion Ratio Lower Upper
112 100
64 59.3 44.1 66.1
63 31.7 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: 88.468 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

Instrument :

BNA_F

ClientSampled :

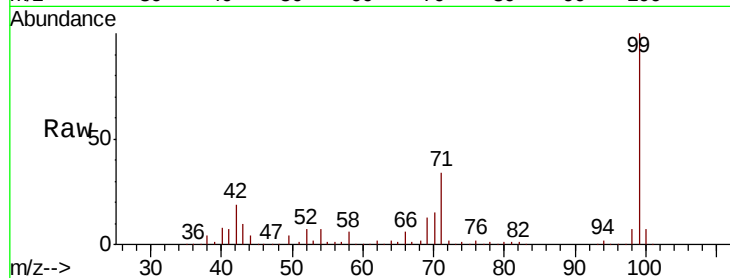
Tot Ion: 99 Resp: 818027

Ion Ratio Lower Upper

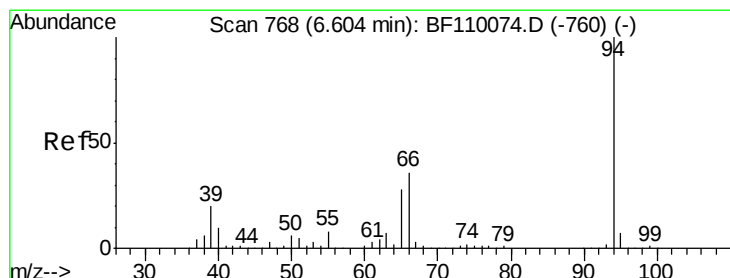
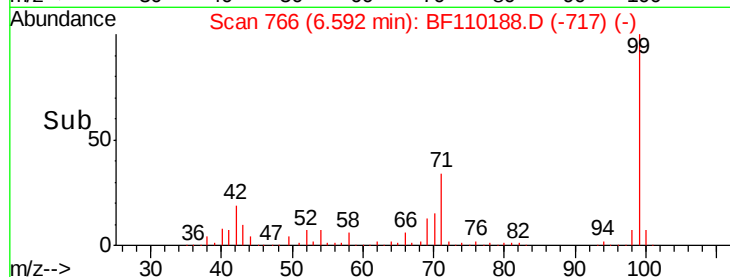
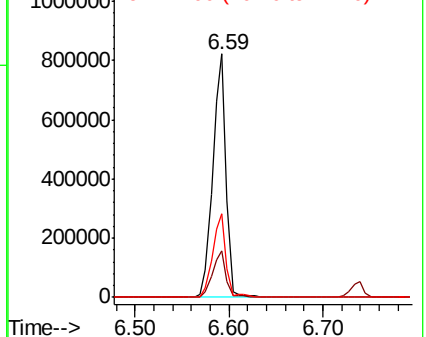
99 100

42 18.9 15.8 23.6

71 34.2 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: 12.366 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

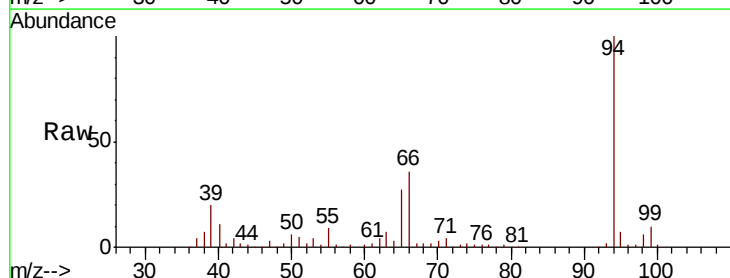
Tgt Ion: 94 Resp: 122226

Ion Ratio Lower Upper

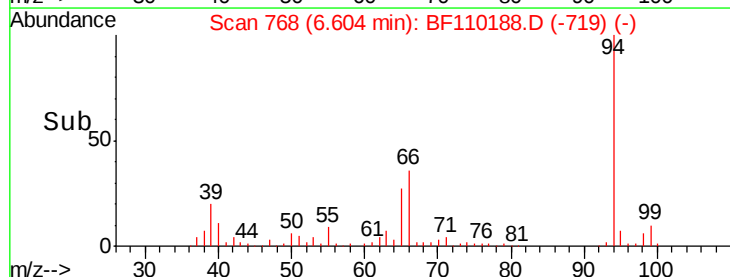
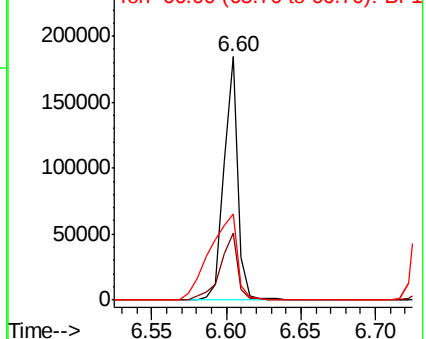
94 100

65 27.3 25.3 65.3

66 35.7 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: 10.035 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.14 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

Instrument :

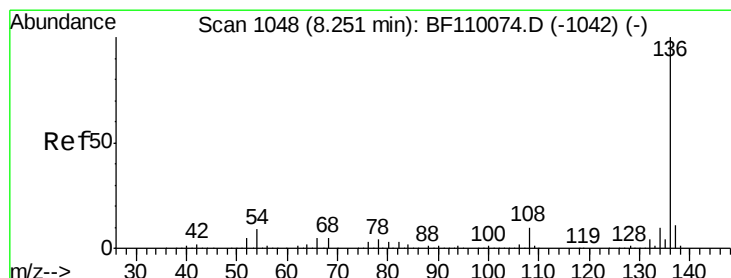
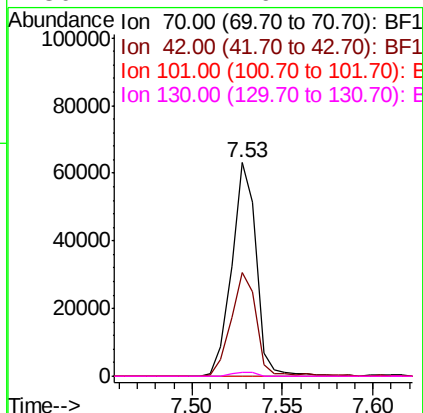
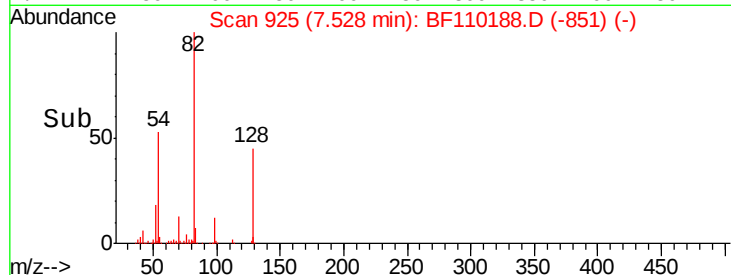
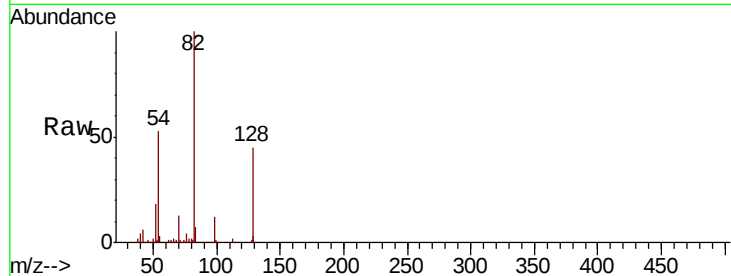
BNA_F

ClientSampled :

Tot Ion: 70 Resp: 59528

Ion Ratio Lower Upper

70	100		
42	48.4	47.4	71.2
101	0.0	7.3	10.9#
130	2.1	16.2	24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

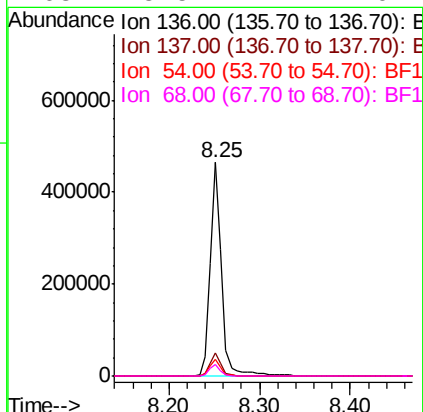
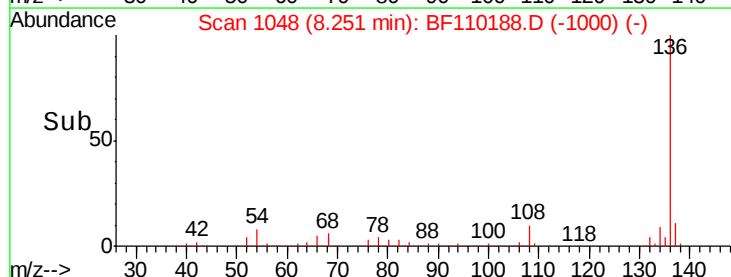
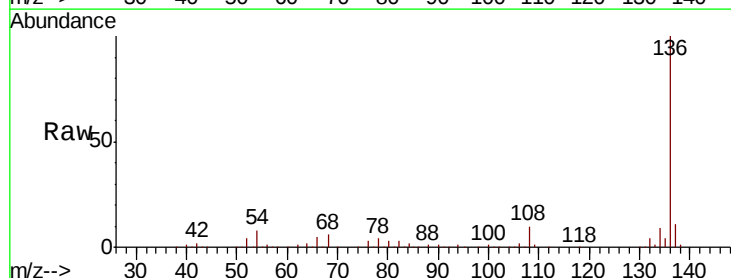
Lab File: BF110188.D

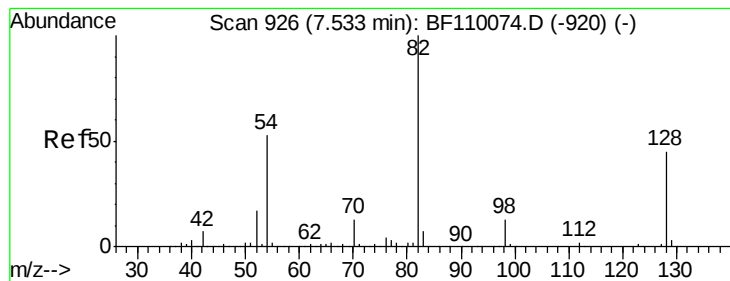
Acq: 26 Oct 2018 3:57

Tgt Ion: 136 Resp: 414112

Ion Ratio Lower Upper

136	100		
137	10.9	8.8	13.2
54	7.8	5.4	8.2
68	5.5	4.2	6.2





#23

Nitrobenzene-d5

Concen: 66.057 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

Instrument :

BNA_F

ClientSampled :

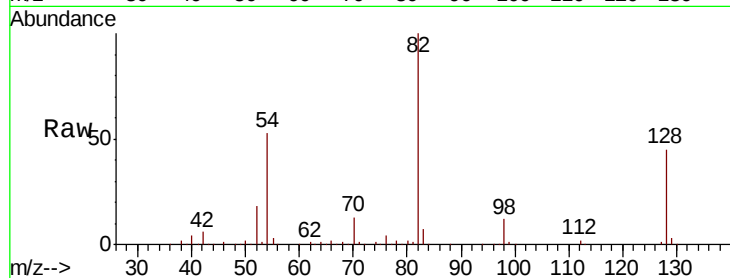
Tot Ion: 82 Resp: 461195

Ion Ratio Lower Upper

82 100

128 44.8 34.2 51.2

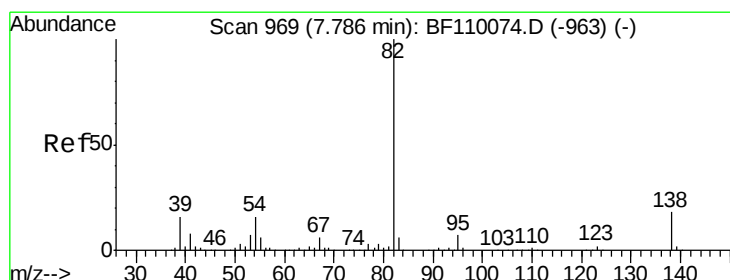
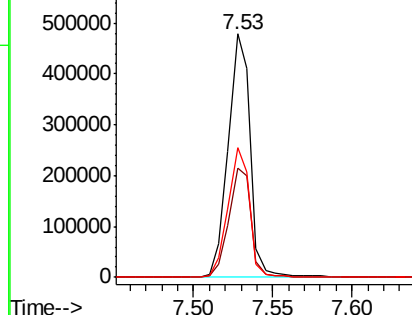
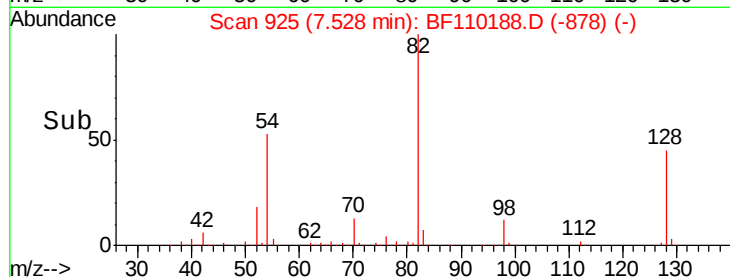
54 53.3 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 38.751 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.28 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

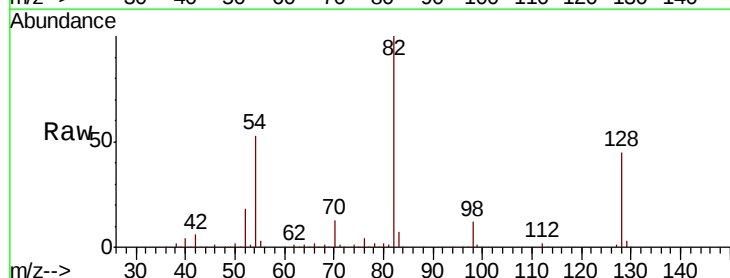
Tgt Ion: 82 Resp: 461189

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

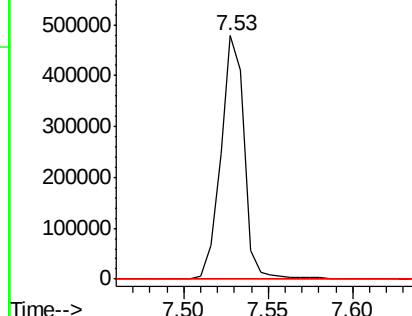
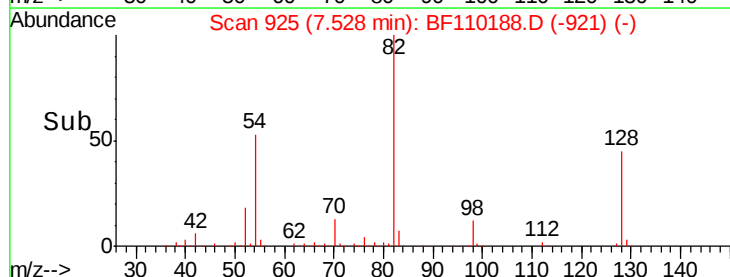
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

Instrument :

BNA_F

ClientSampleId :

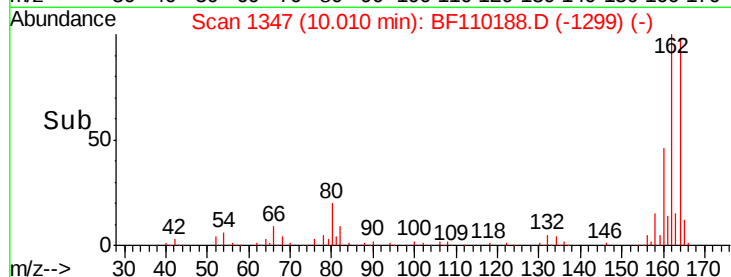
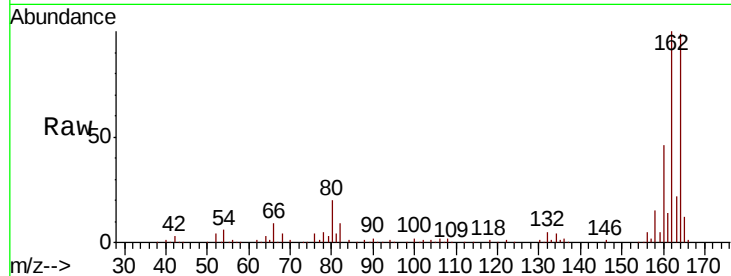
Tot Ion:164 Resp: 154354

Ion Ratio Lower Upper

164 100

162 101.4 83.0 124.6

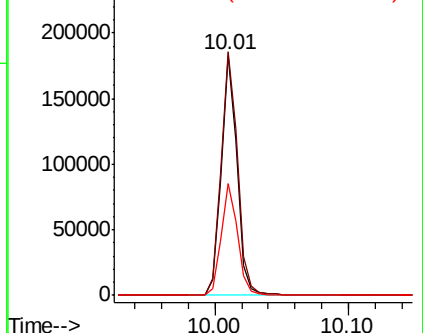
160 46.5 37.0 55.6



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: 84.674 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

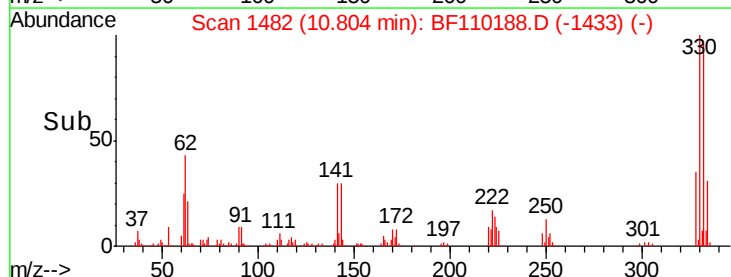
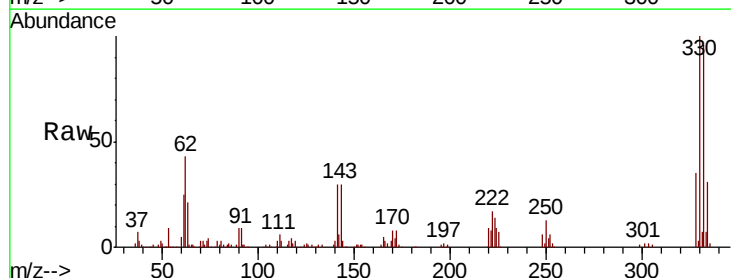
Tgt Ion:330 Resp: 129464

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

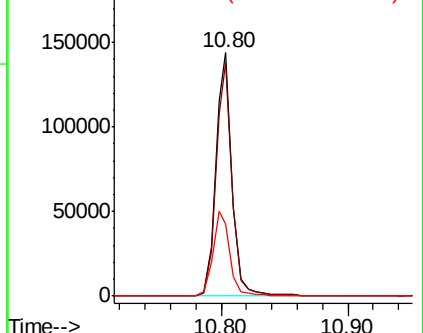
141 36.6 27.0 40.4



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

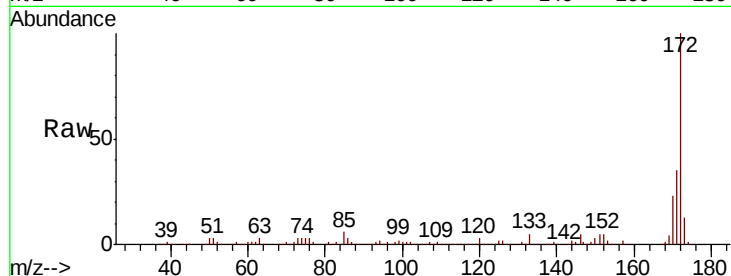




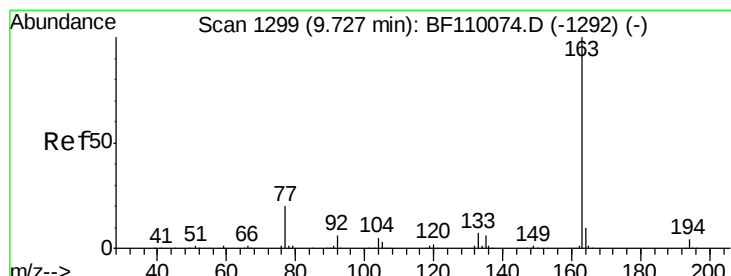
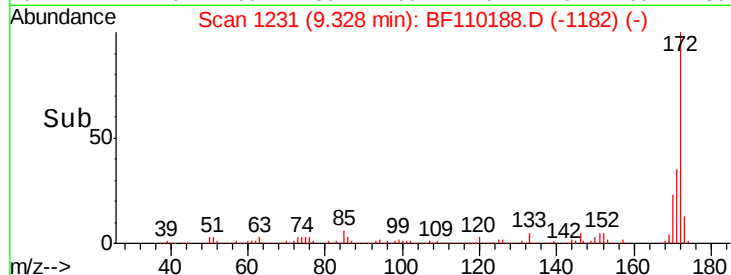
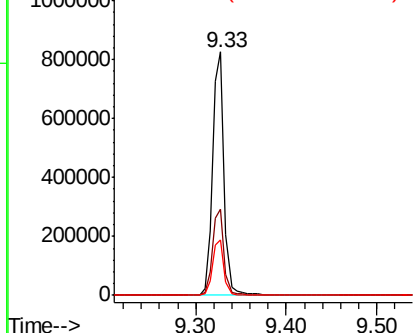
#45
 2-Fluorobiphenyl
 Concen: 75.279 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110188.D
 Acq: 26 Oct 2018 3:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.0	19.7	29.5

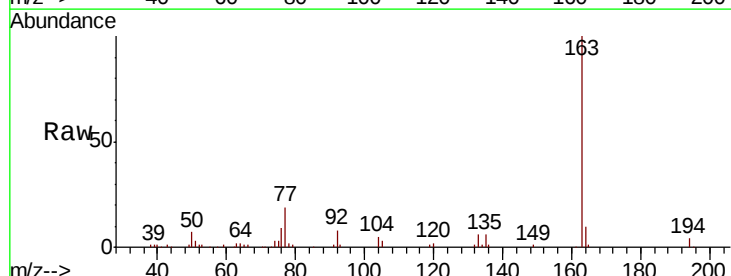


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

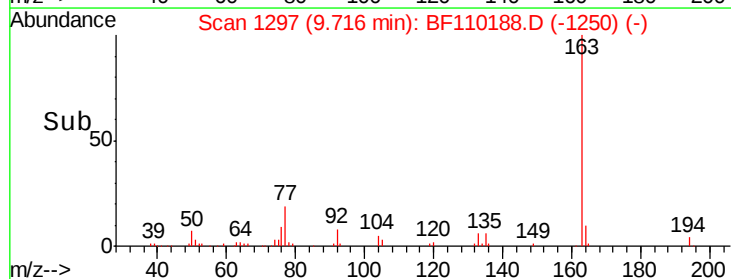
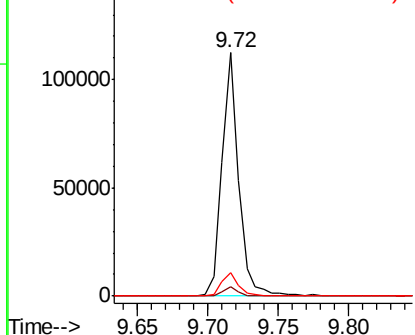


#50
 Dimethylphthalate
 Concen: 8.161 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF110188.D
 Acq: 26 Oct 2018 3:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.6	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

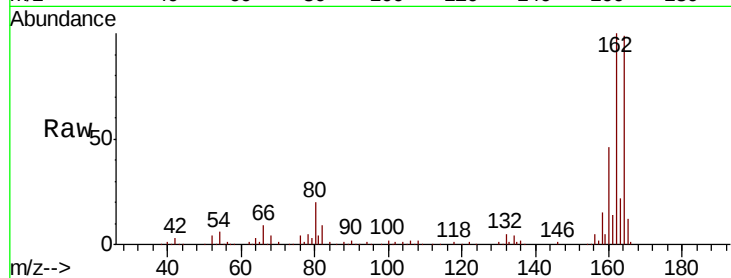




#57
2,4-Dinitrotoluene
Concen: 6.347 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#

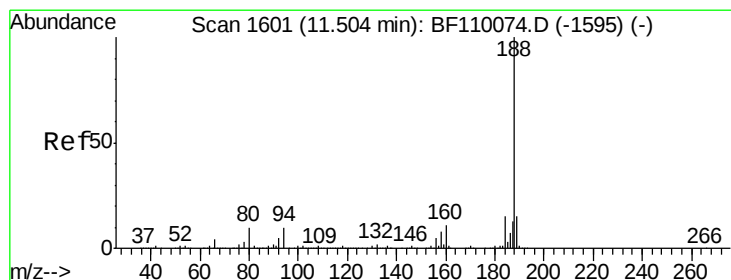
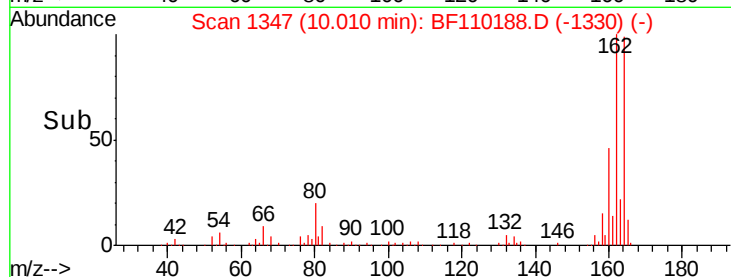
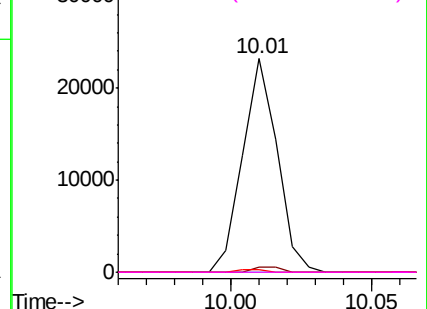


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

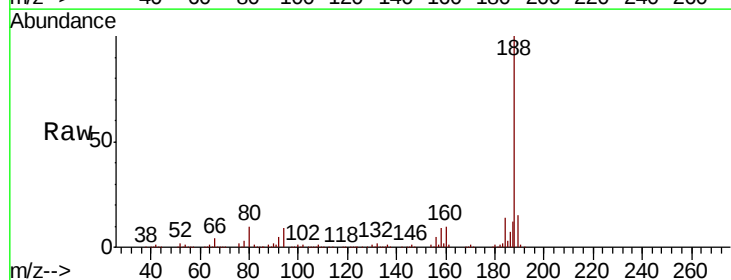
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

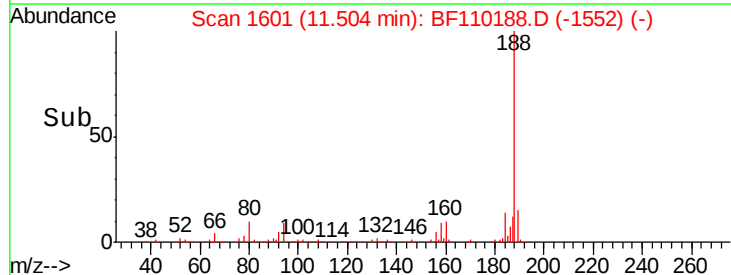
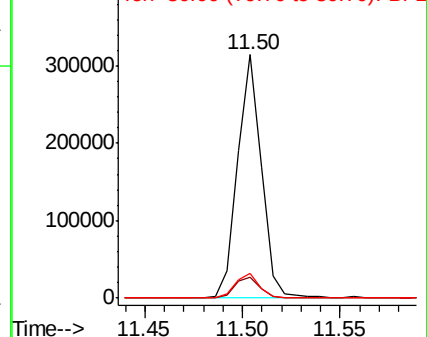
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	10.0	7.9	11.9



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

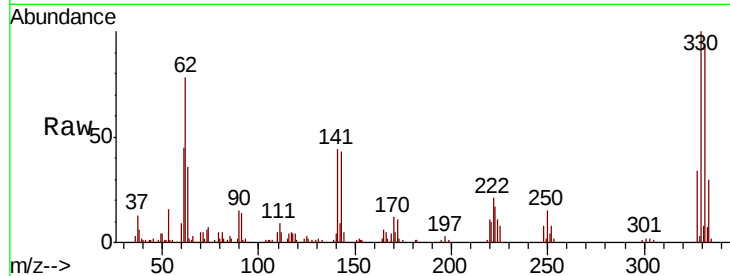




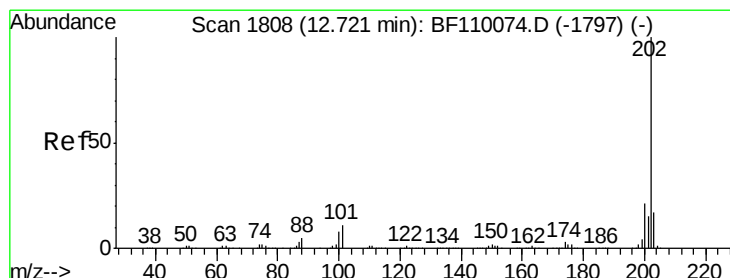
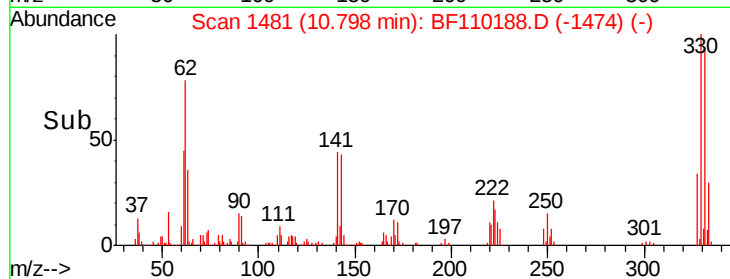
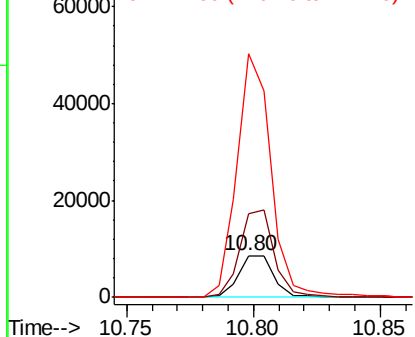
#67
 4-Bromophenyl-phenylether
 Concen: 2.880 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.26 min
 Lab File: BF110188.D
 Acq: 26 Oct 2018 3:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8334
 Ion Ratio Lower Upper
 248 100
 250 200.8 79.4 119.2#
 141 581.5 55.9 83.9#

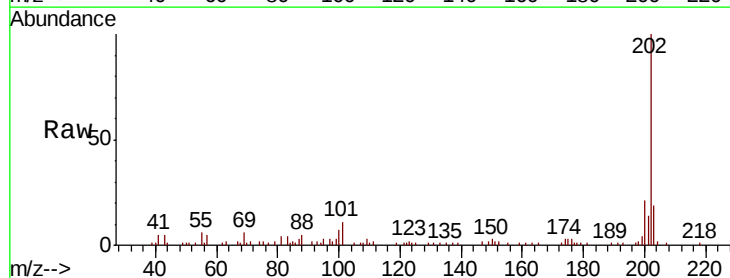


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

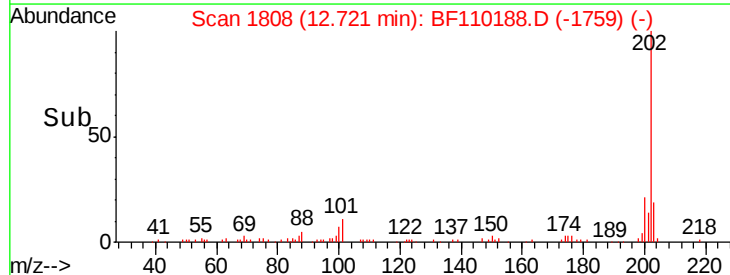
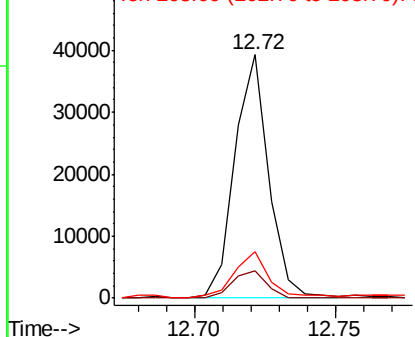


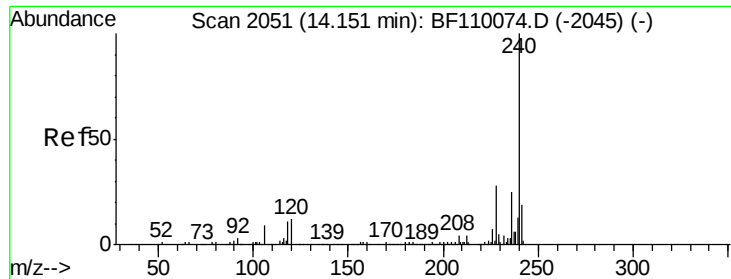
#75
 Fluoranthene
 Concen: 2.320 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110188.D
 Acq: 26 Oct 2018 3:57

Tgt Ion:202 Resp: 32865
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.4
 203 19.0 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

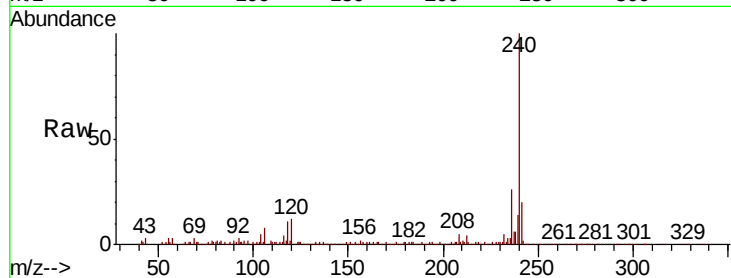




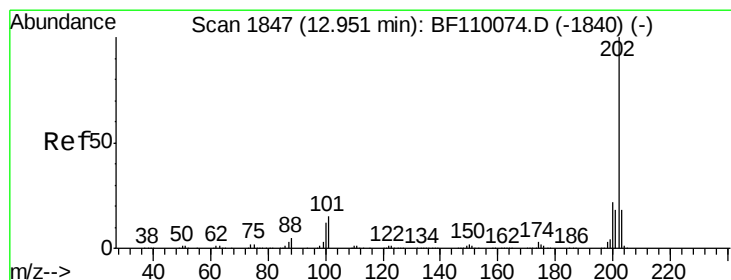
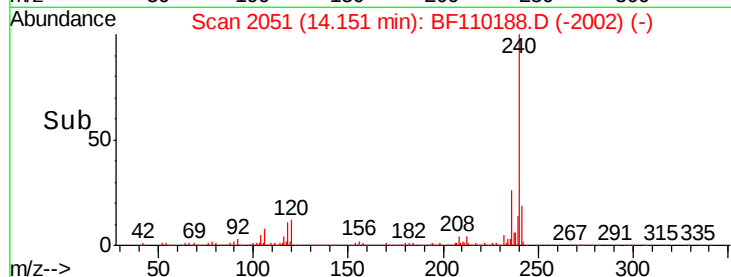
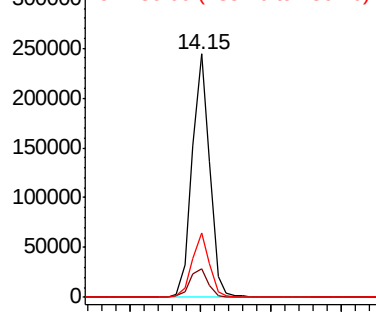
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.3	12.5
236	26.2	21.2	31.8

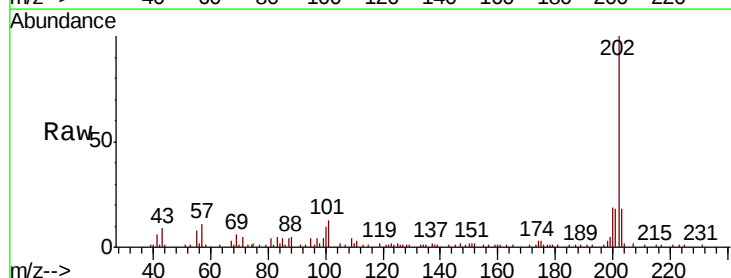


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

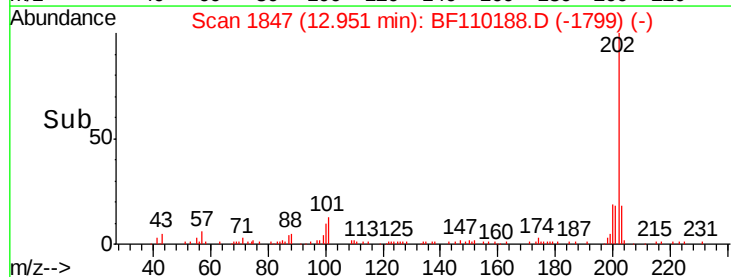
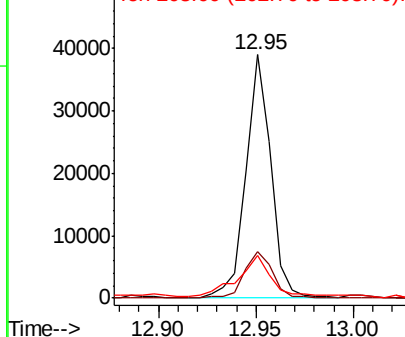


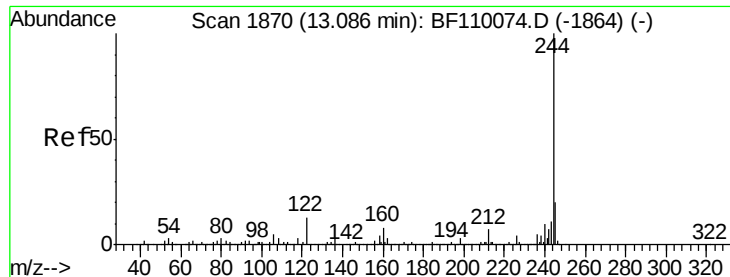
#78
Pyrene
Concen: 2.300 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.8	26.6
203	17.8	14.2	21.4



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





#79

Terphenyl-d14

Concen: 63.167 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

Instrument :

BNA_F

ClientSampleId :

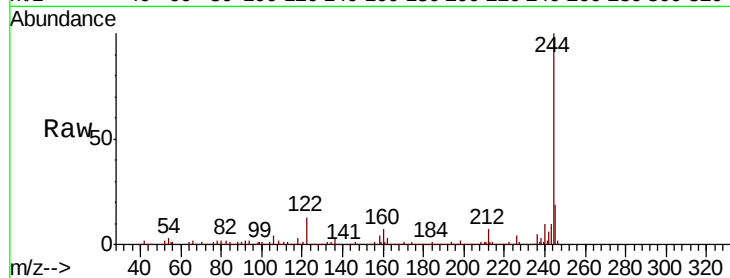
Tot Ion:244 Resp: 639562

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

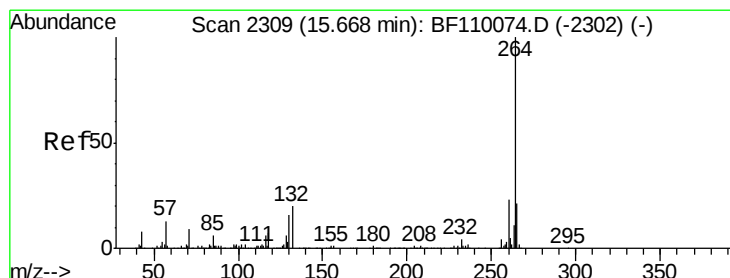
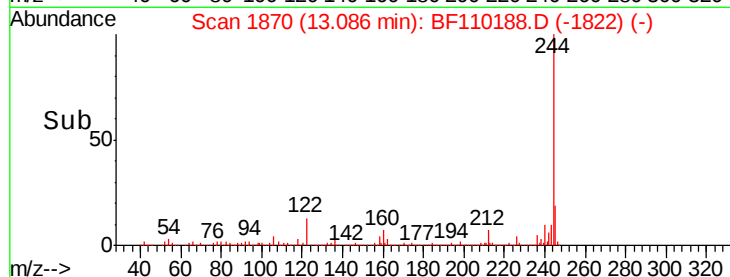
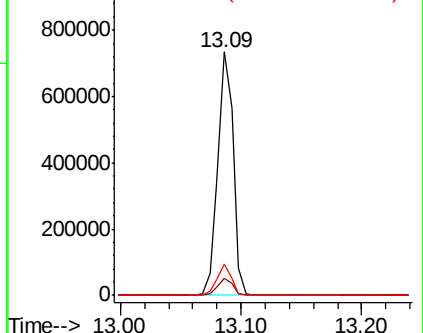
122 12.6 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110188.D

Acq: 26 Oct 2018 3:57

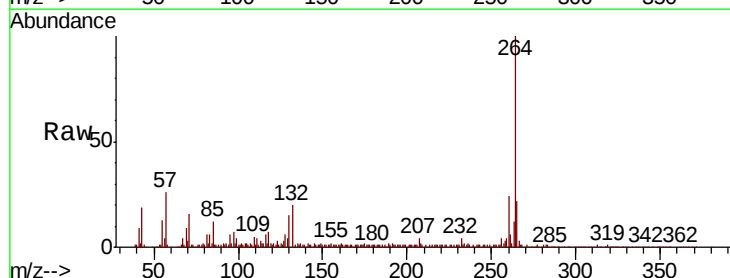
Tgt Ion:264 Resp: 153870

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

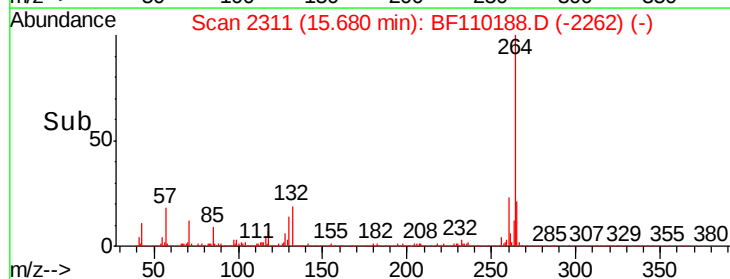
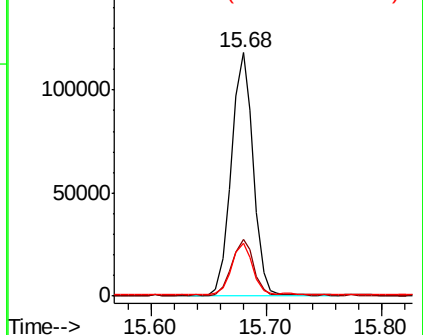
265 21.9 16.7 25.1

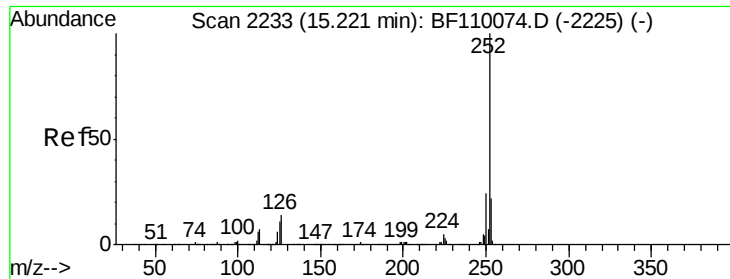


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

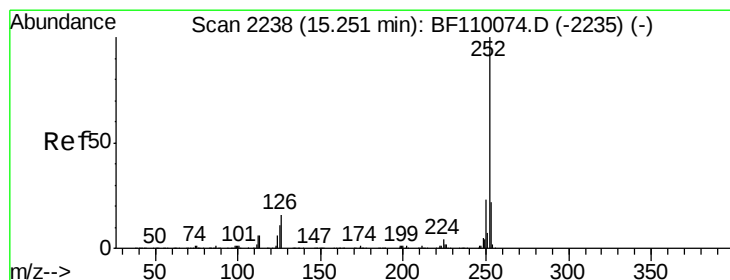
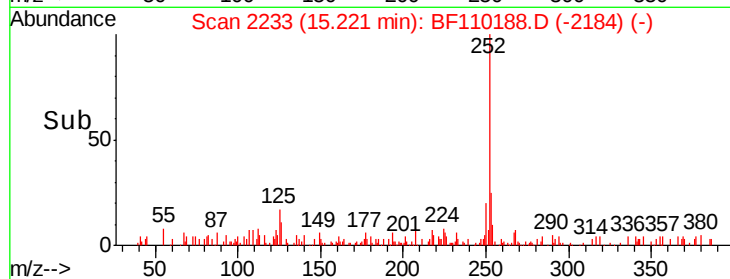
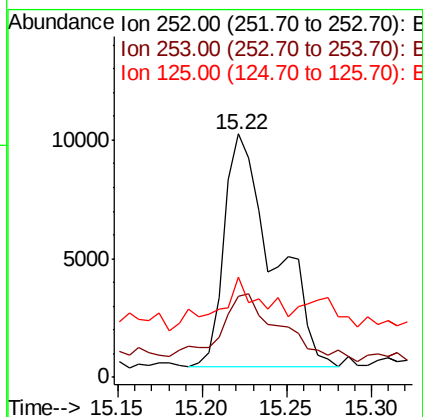
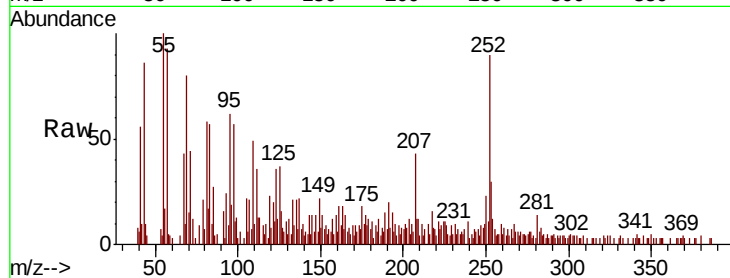




#88
Benzo(b)fluoranthene
Concen: 2.252 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.2	25.8#
125	41.1	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 2.290 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110188.D
Acq: 26 Oct 2018 3:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.2	25.8#
125	41.1	7.4	11.0#

