

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110174.D
 Acq On : 25 Oct 2018 21:34
 Operator : JU/SJ
 Sample : J5625-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

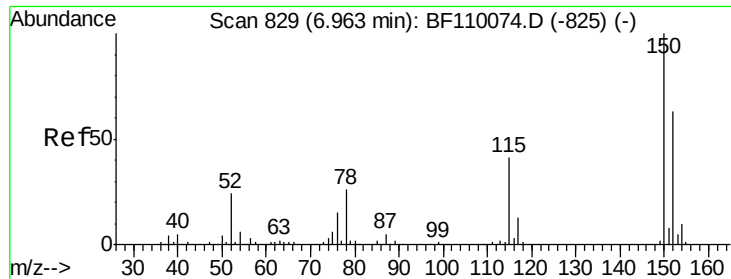
Quant Time: Oct 26 04:18:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	143786	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	568569	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	244118	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	364977	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	261436	20.00	ng	-0.02
87) Perylene-d12	15.67	264	227524	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	793267	89.84	ng	0.00
7) Phenol-d6	6.59	99	1023469	90.62	ng	-0.01
23) Nitrobenzene-d5	7.53	82	647820	67.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	183348	75.82	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1045469	67.25	ng	-0.02
79) Terphenyl-d14	13.09	244	674428	53.65	ng	-0.02

Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	1725	Below Cal	#	29
10) Phenol	6.60	94	117023	9.694	ng	69
19) n-Nitroso-di-n-propylamine	7.53	70	85838	11.847	ng	81
25) Isophorone	7.53	82	647812	39.645	ng	67
31) Naphthalene	8.27	128	55645	2.123	ng	99
50) Dimethylphthalate	9.72	163	203238	11.278	ng	99
67) 4-Bromophenyl-phenylether	10.80	248	11919	3.011	ng	# 1
71) Phenanthrene	11.52	178	116157	6.082	ng	98
75) Fluoranthene	12.72	202	196972	10.163	ng	100
78) Pyrene	12.94	202	217746	11.618	ng	96
80) Butylbenzylphthalate	13.55	149	16281	2.001	ng	99
81) Benzo(a)anthracene	14.13	228	118349	7.634	ng	93
83) Chrysene	14.17	228	122879	8.345	ng	100
84) Bis(2-ethylhexyl)phthalate	14.10	149	22998	2.091	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.23	276	53950	4.416	ng	92
88) Benzo(b)fluoranthene	15.22	252	213225	16.229	ng	# 96
89) Benzo(k)fluoranthene	15.22	252	213225	16.508	ng	# 95
90) Benzo(a)pyrene	15.60	252	95526	7.901	ng	# 96
92) Benzo(a,h,i)perylene	17.70	276	54998	5.350	ng	96

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

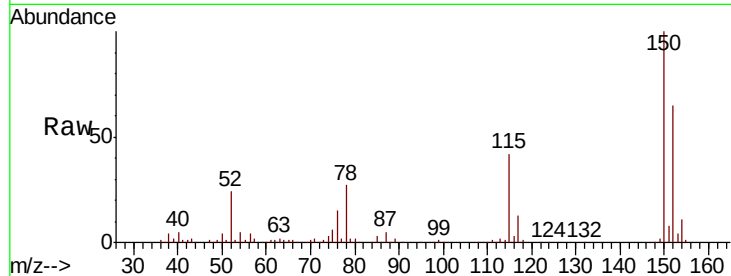


#1

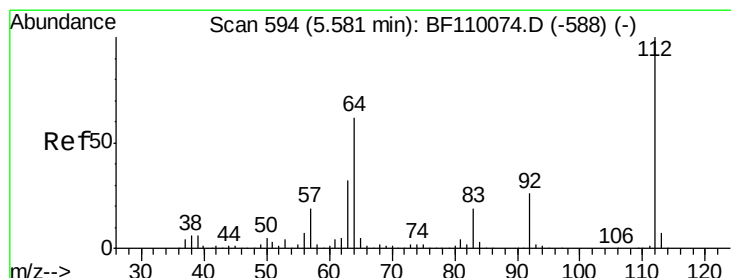
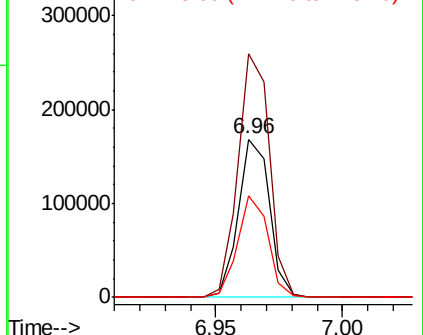
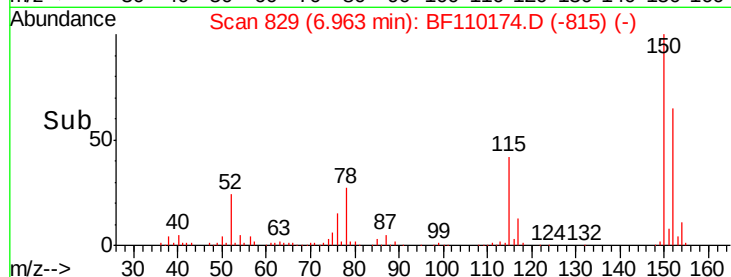
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143786
Ion Ratio Lower Upper
152 100
150 154.1 122.7 184.1
115 64.5 49.1 73.7



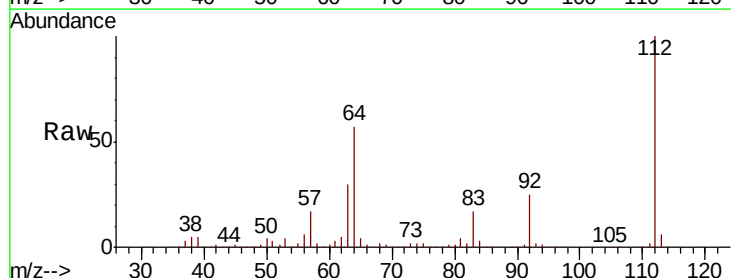
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



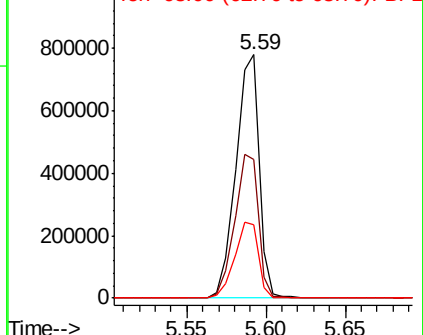
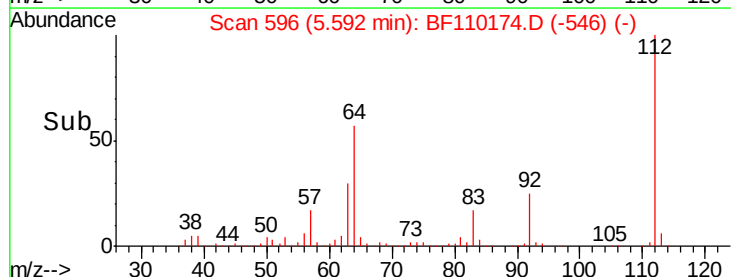
#5

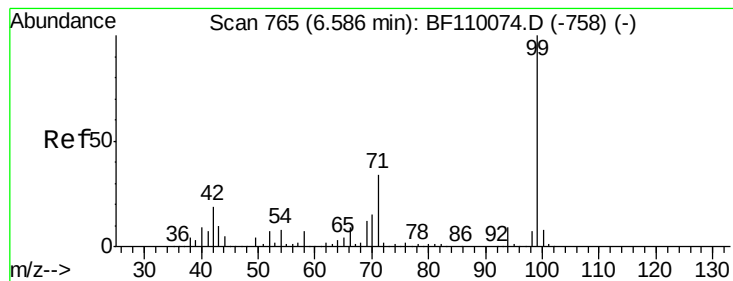
2-Fluorophenol
Concen: 89.842 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion:112 Resp: 793267
Ion Ratio Lower Upper
112 100
64 56.9 44.1 66.1
63 30.0 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: 90.623 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

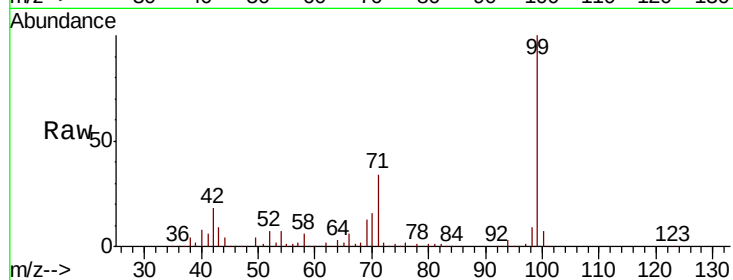
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1023469

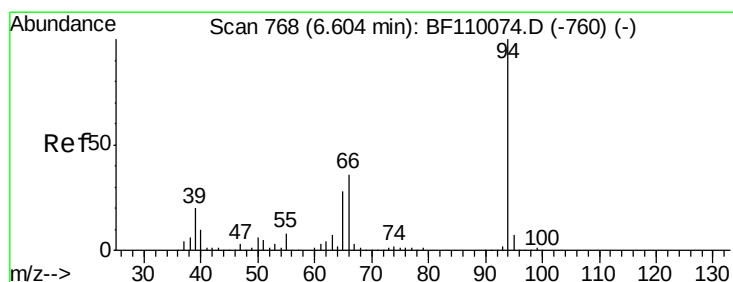
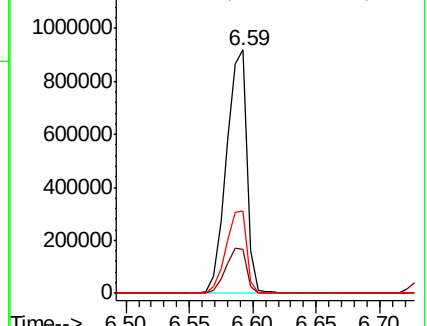
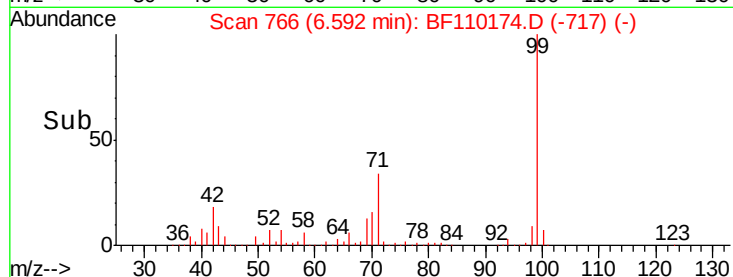
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.8	23.6
71	33.6	28.0	42.0



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: 9.694 ng

RT: 6.60 min Scan# 767

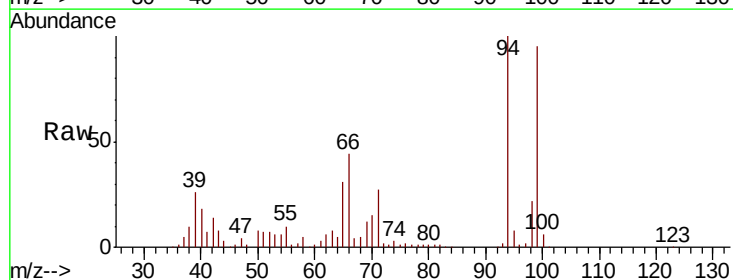
Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Tgt Ion: 94 Resp: 117023

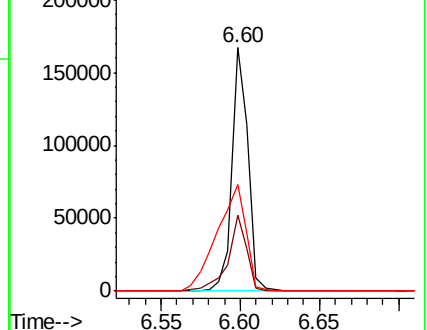
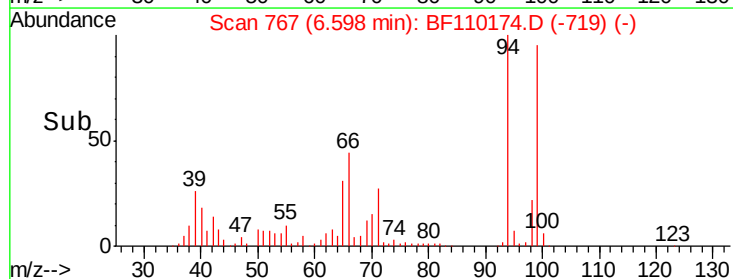
Ion	Ratio	Lower	Upper
94	100		
65	31.2	25.3	65.3
66	43.6	54.5	94.5#

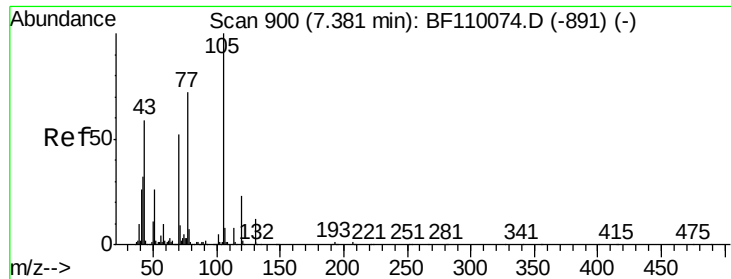


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 11.847 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.13 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Instrument :

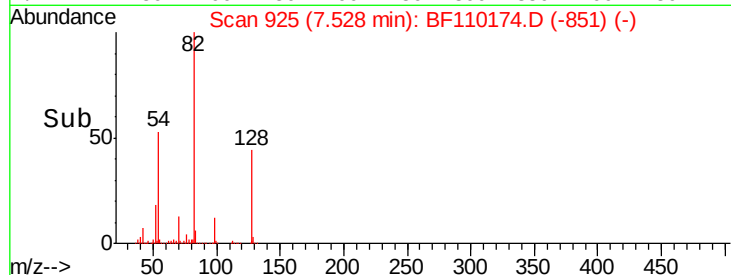
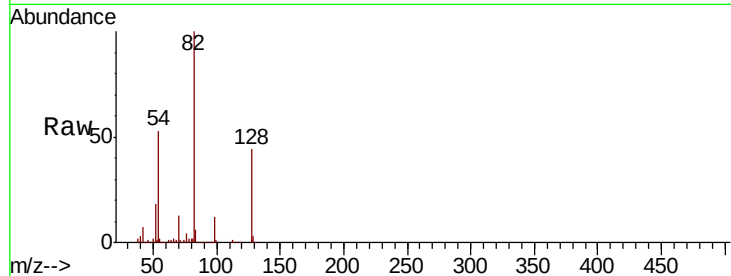
BNA_F

ClientSampled :

Tot Ion: 70 Resp: 85838

Ion Ratio Lower Upper

70	100		
42	50.6	47.4	71.2
101	0.0	7.3	10.9#
130	2.5	16.2	24.2#

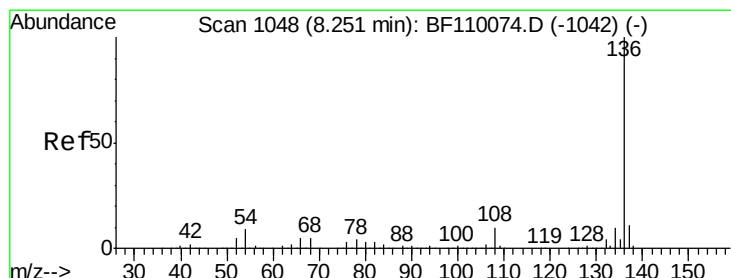
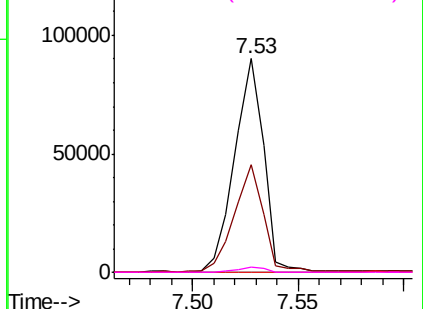


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

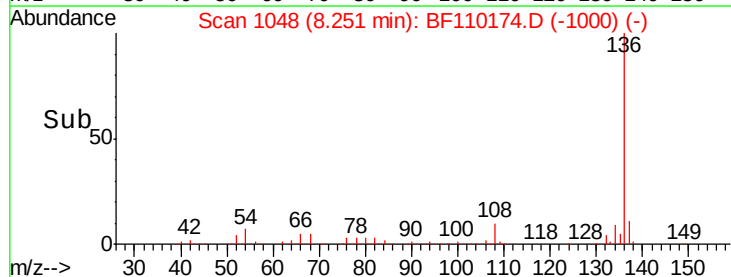
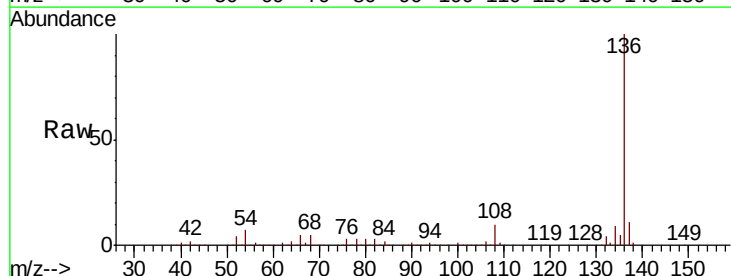
Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Tgt Ion: 136 Resp: 568569

Ion Ratio Lower Upper

136	100		
137	10.9	8.8	13.2
54	7.0	5.4	8.2
68	5.0	4.2	6.2

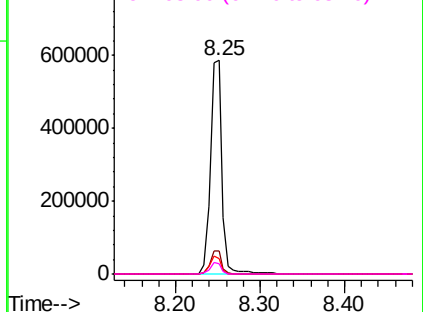


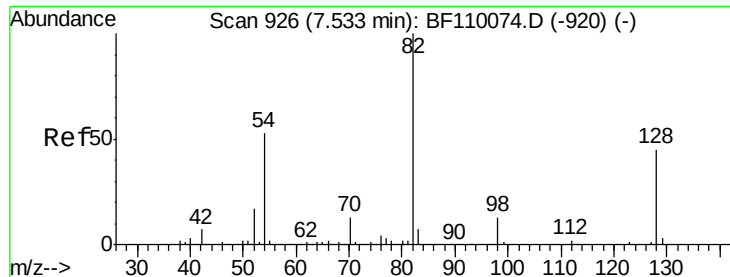
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

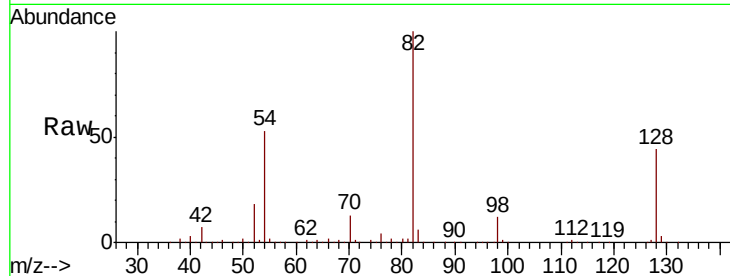




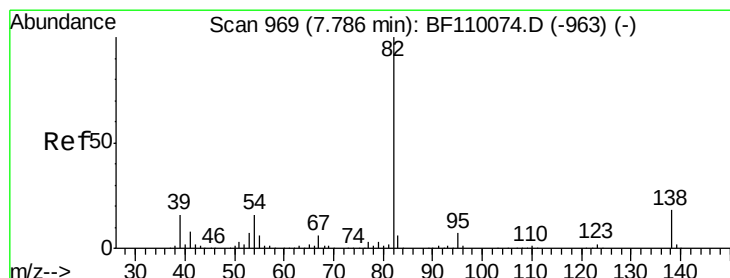
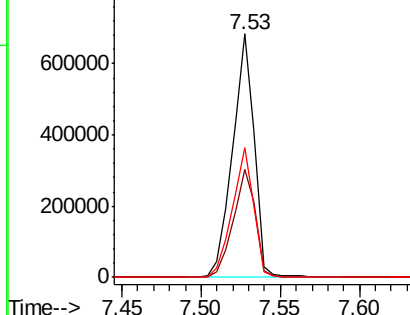
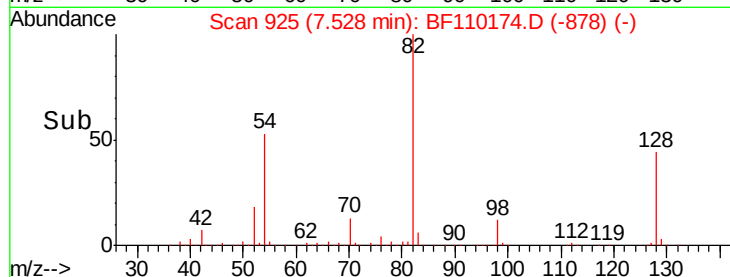
#23
 Nitrobenzene-d5
 Concen: 67.581 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	647820
Ion Ratio	100	Lower	Upper
128	44.2	34.2	51.2
54	53.4	38.6	58.0

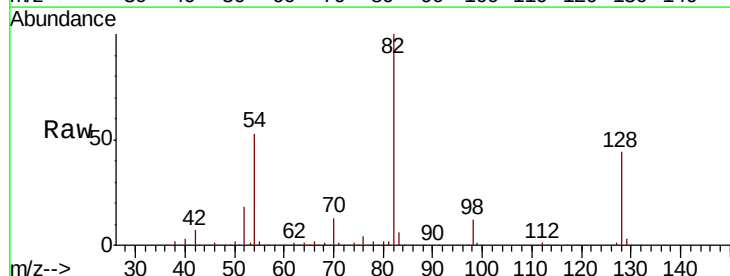


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

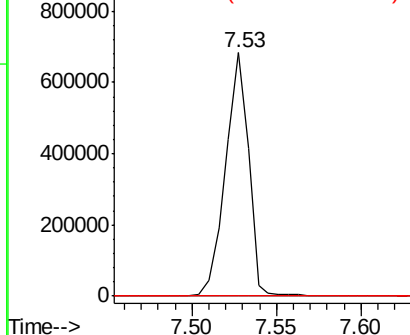
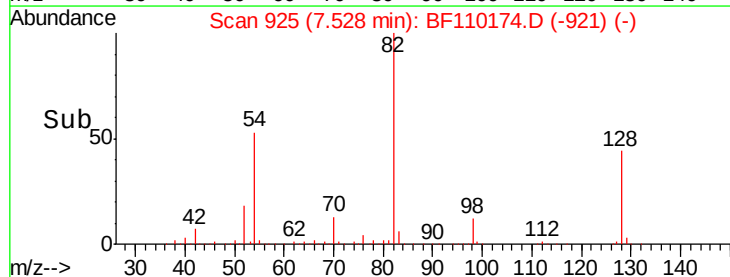


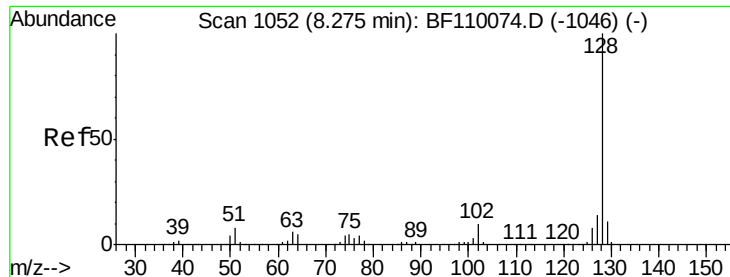
#25
 Isophorone
 Concen: 39.645 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.28 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Tgt Ion	82	Resp	647812
Ion Ratio	100	Lower	Upper
95	0.1	5.7	8.5#
138	0.0	13.2	19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

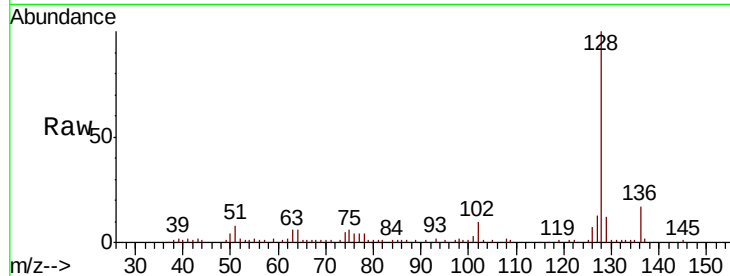




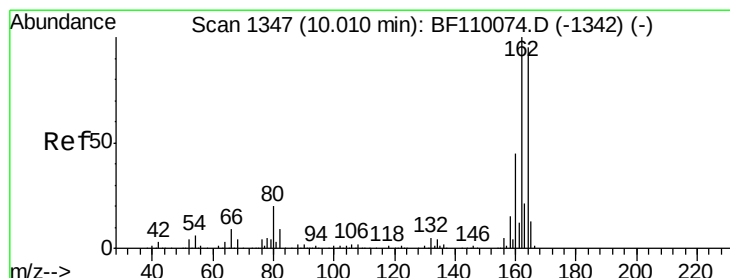
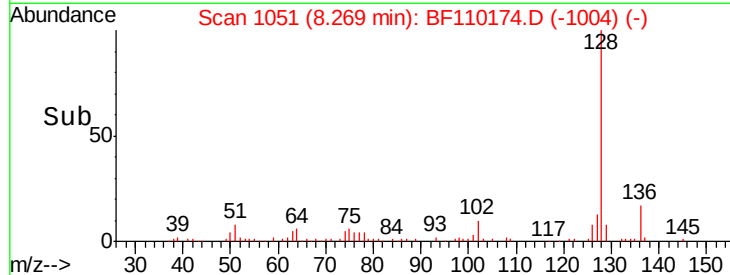
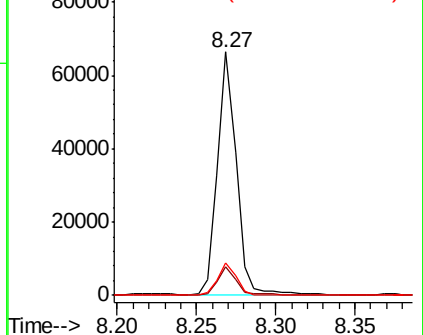
#31
Naphthalene
Concen: 2.123 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 55645
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 13.2 10.8 16.2

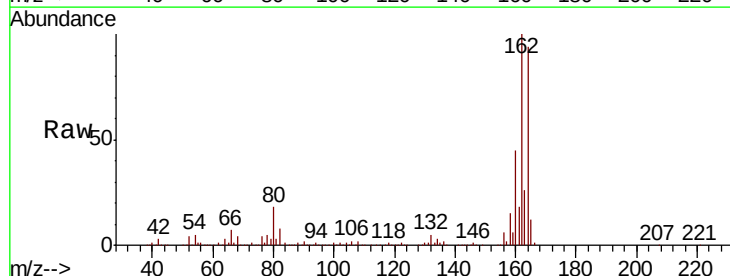


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

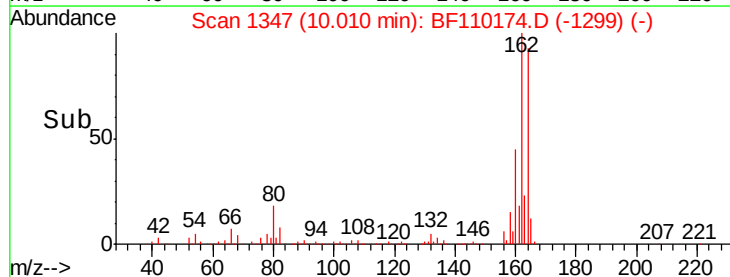
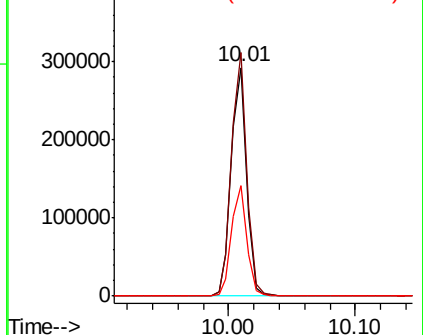


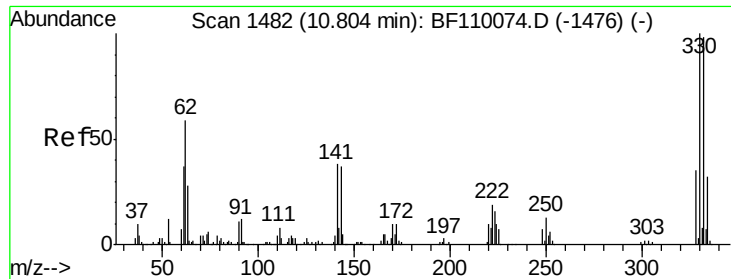
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion:164 Resp: 244118
Ion Ratio Lower Upper
164 100
162 106.4 83.0 124.6
160 48.1 37.0 55.6



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

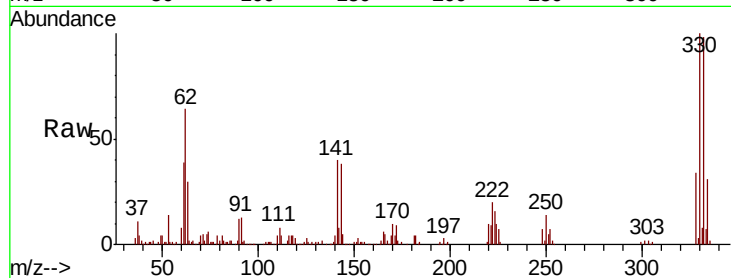




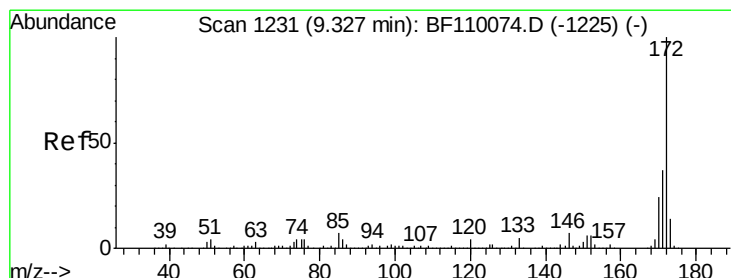
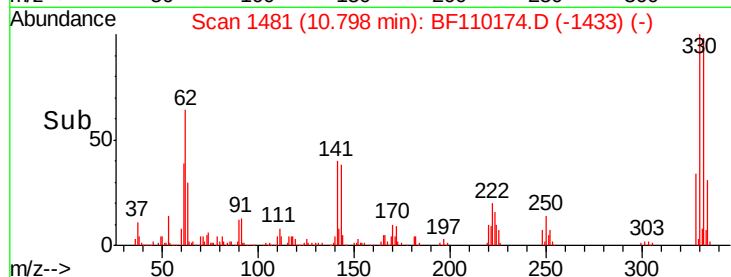
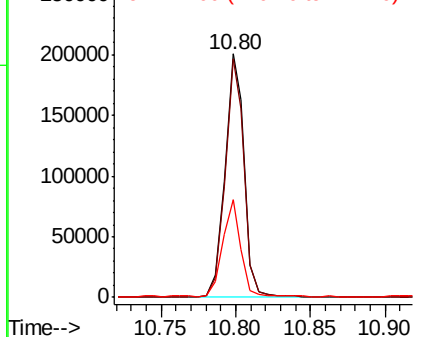
#42
 2,4,6-Tribromophenol
 Concen: 75.822 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 183348
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 37.8 27.0 40.4

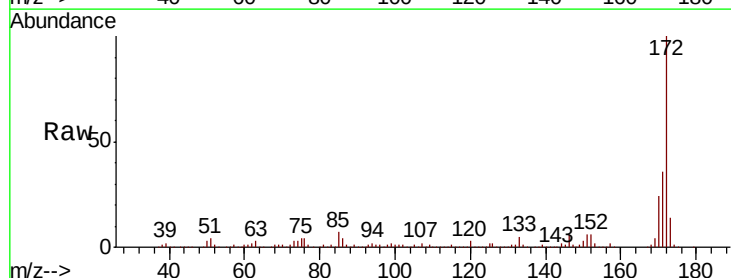


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

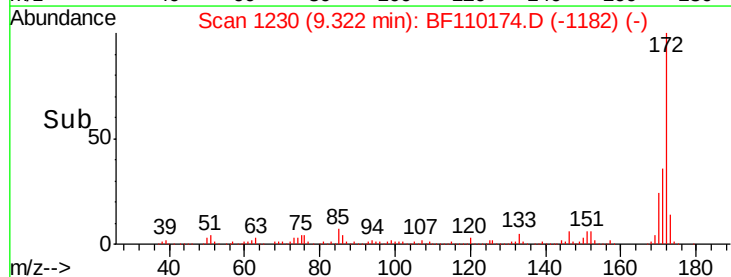
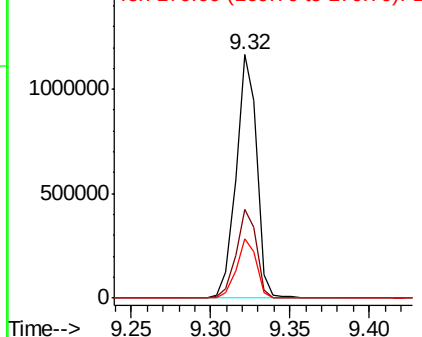


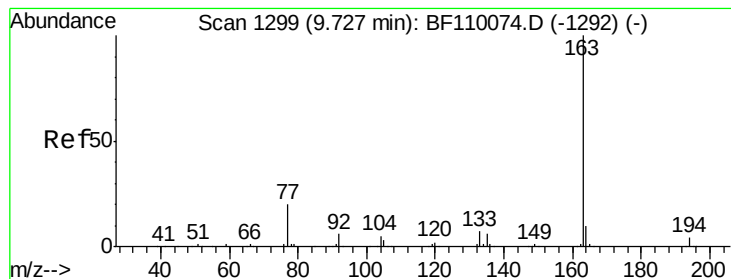
#45
 2-Fluorobiphenyl
 Concen: 67.248 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Tgt Ion:172 Resp: 1045469
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.3 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: 11.278 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Instrument :

BNA_F

ClientSampleId :

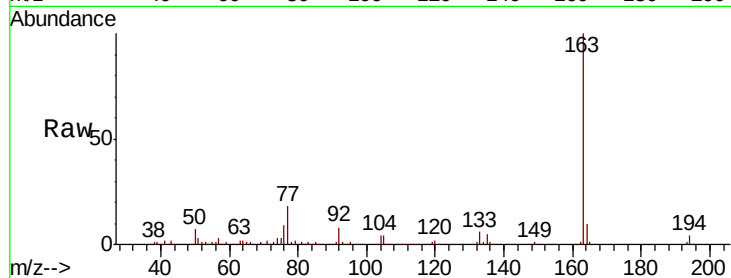
Tot Ion:163 Resp: 203238

Ion Ratio Lower Upper

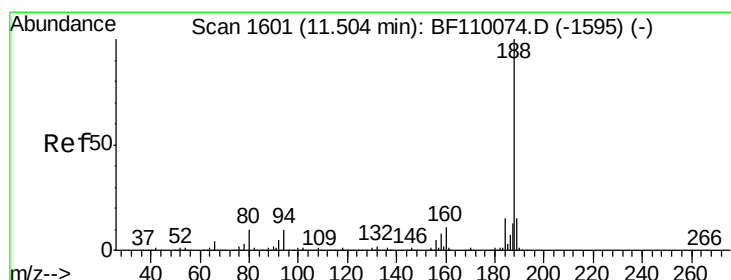
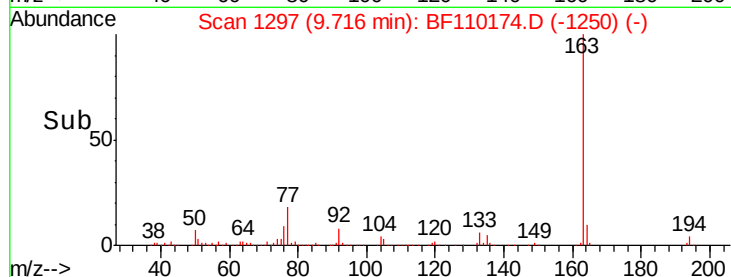
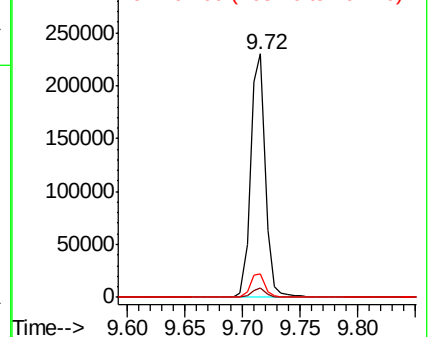
163 100

194 4.0 3.2 4.8

164 9.7 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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

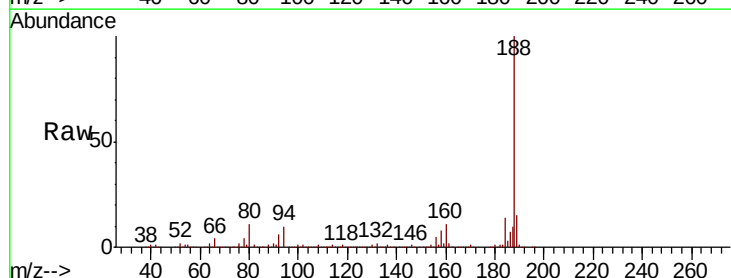
Tgt Ion:188 Resp: 364977

Ion Ratio Lower Upper

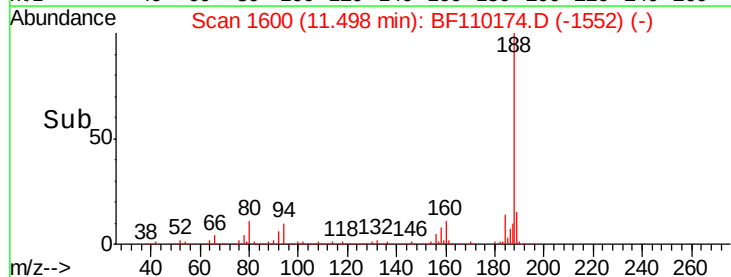
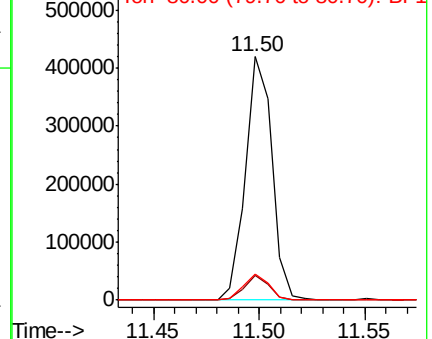
188 100

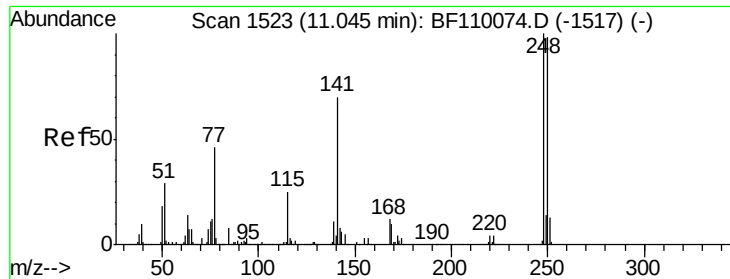
94 10.1 7.2 10.8

80 10.6 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

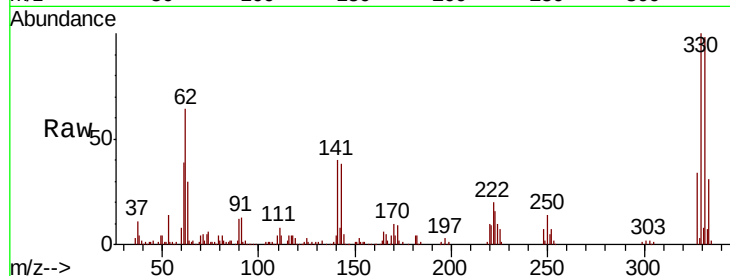




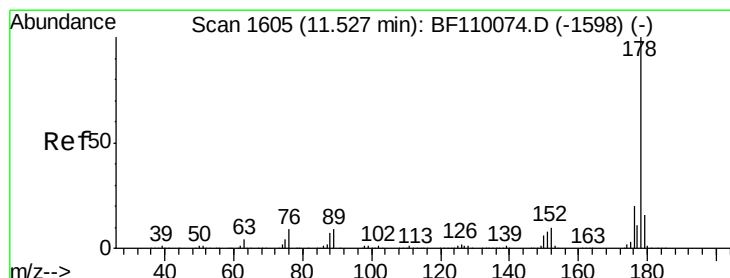
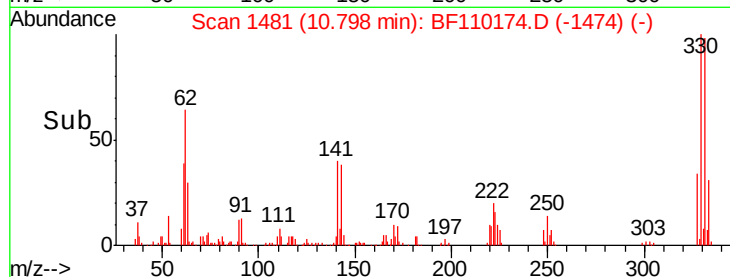
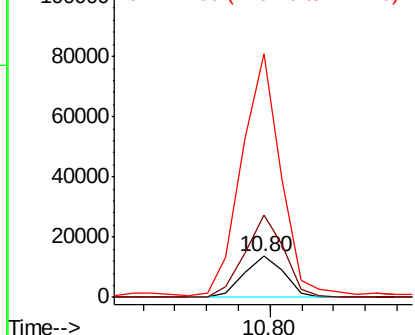
#67
 4-Bromophenyl-phenylether
 Concen: 3.011 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.26 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11919
 Ion Ratio Lower Upper
 248 100
 250 200.1 79.4 119.2#
 141 592.3 55.9 83.9#

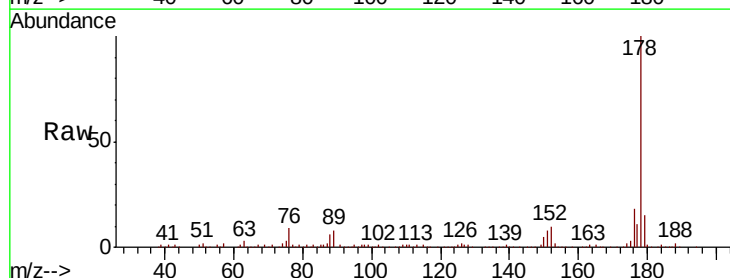


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

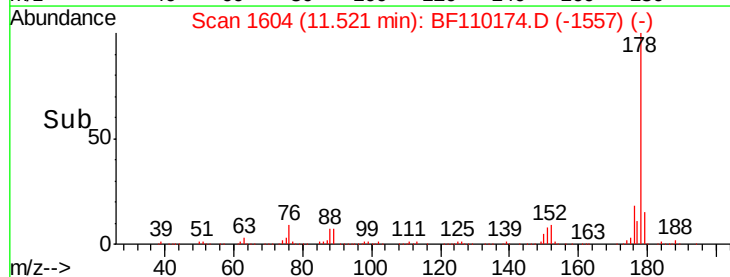
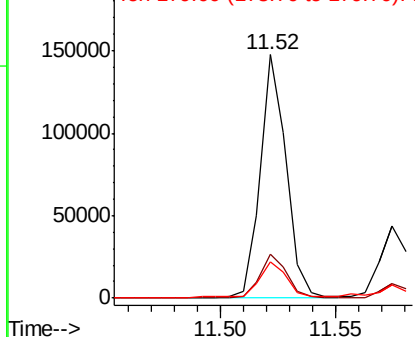


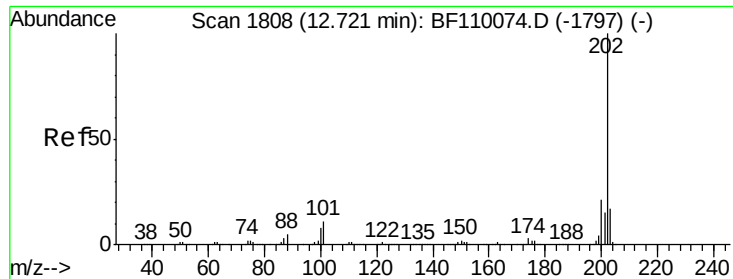
#71
 Phenanthrene
 Concen: 6.082 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Tgt Ion:178 Resp: 116157
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.5 23.3
 179 15.1 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: 10.163 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Instrument :

BNA_F

ClientSampleId :

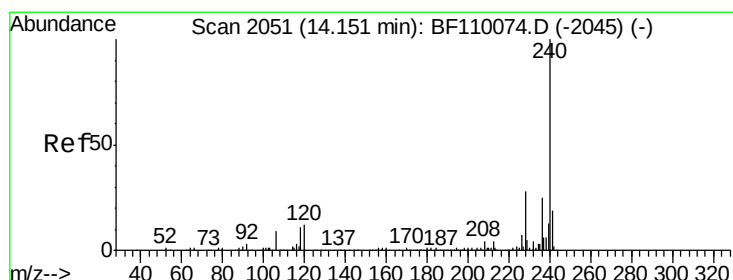
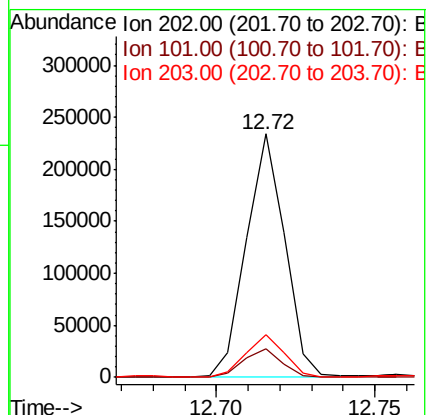
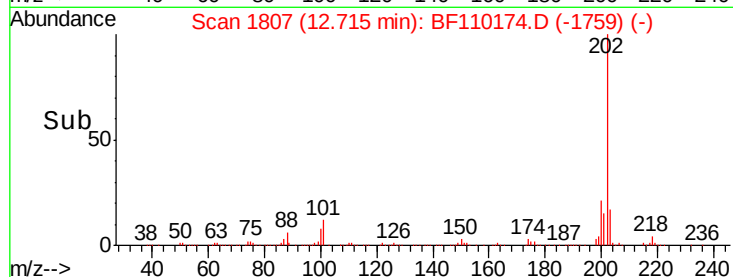
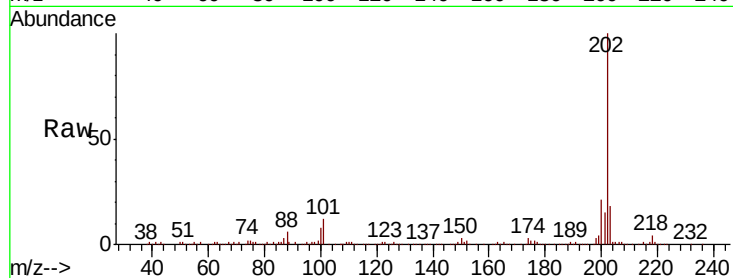
Tot Ion:202 Resp: 196972

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.4

203 17.6 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

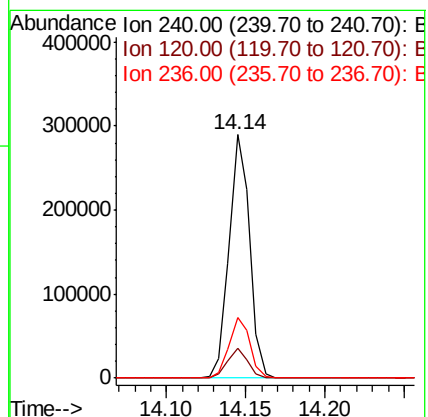
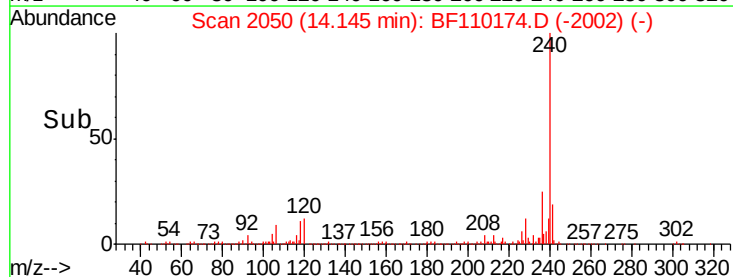
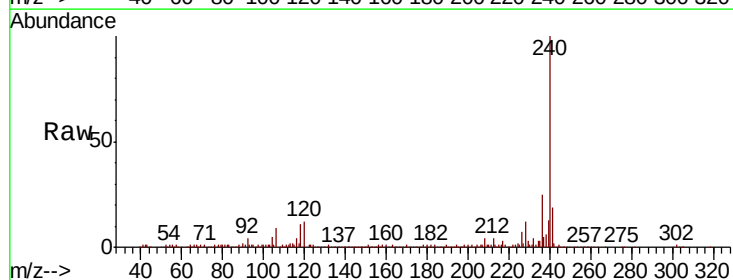
Tgt Ion:240 Resp: 261436

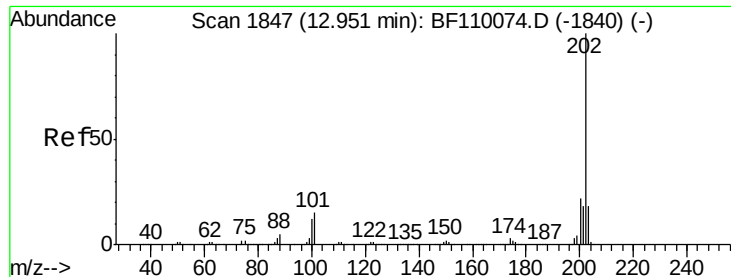
Ion Ratio Lower Upper

240 100

120 12.4 8.3 12.5

236 24.7 21.2 31.8

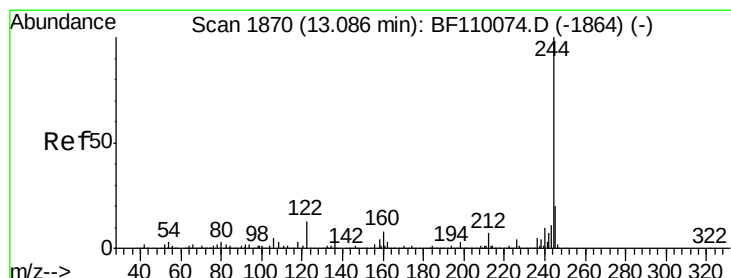
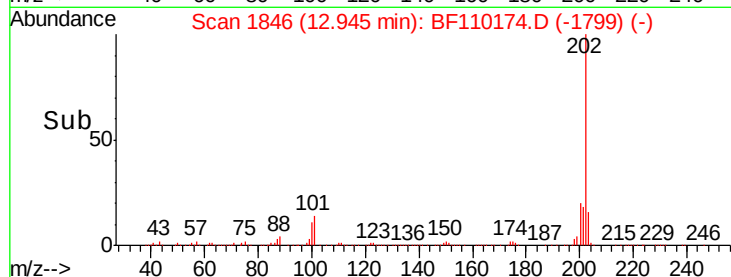
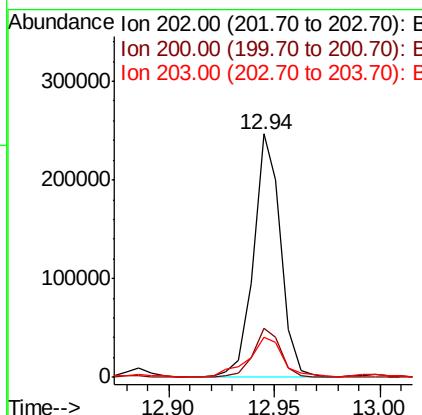
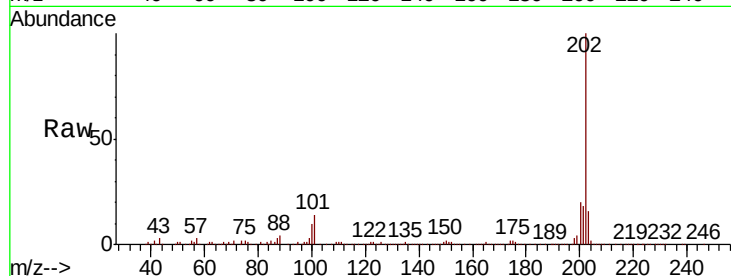




#78
Pvrene
Concen: 11.618 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

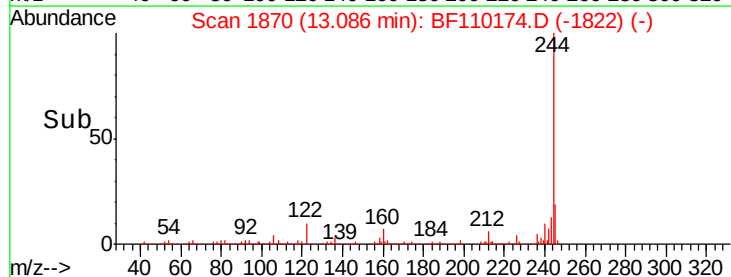
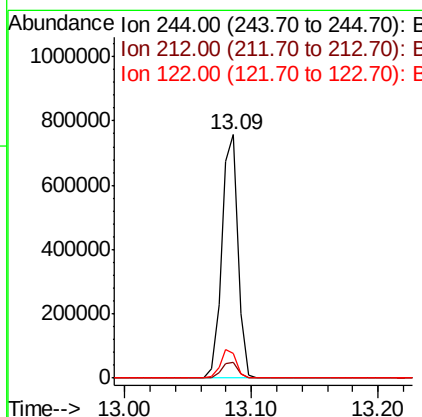
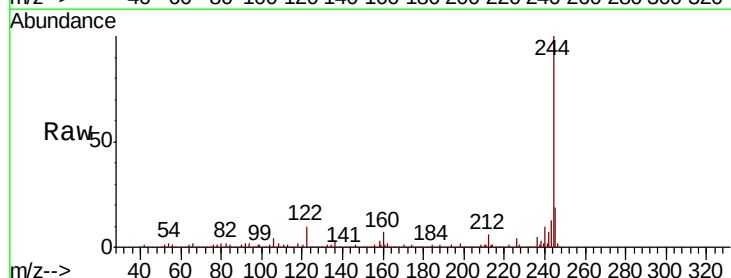
Instrument :
BNA_F
ClientSampleId :

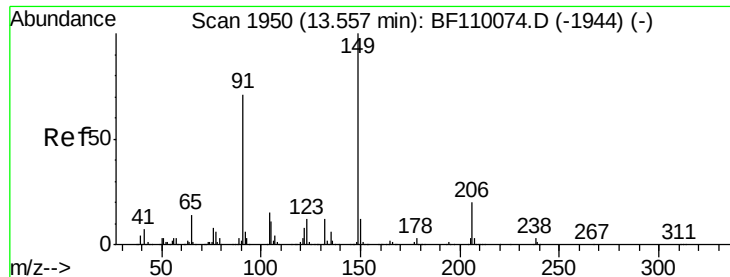
Tot Ion:202 Resp: 217746
Ion Ratio Lower Upper
202 100
200 20.2 17.8 26.6
203 16.4 14.2 21.4



#79
Terphenyl-d14
Concen: 53.650 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion:244 Resp: 674428
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.8
122 10.4 8.7 13.1

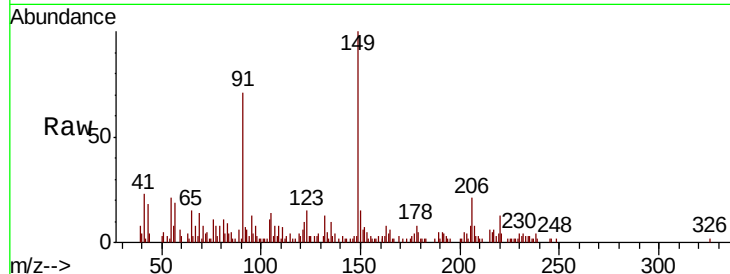




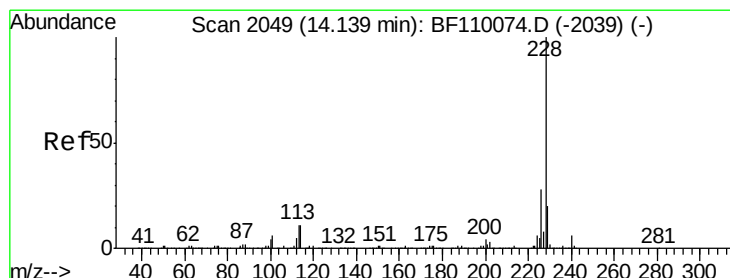
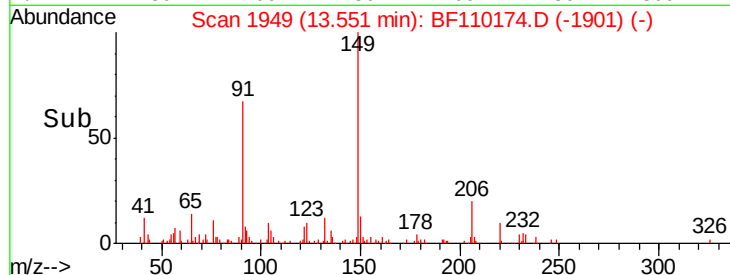
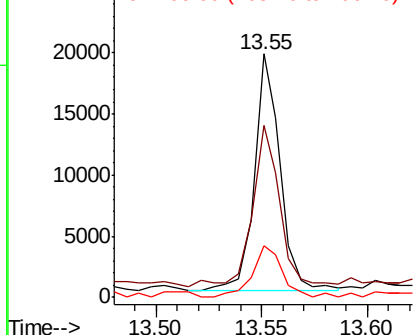
#80
Butylbenzylphthalate
Concen: 2.001 ng
RT: 13.55 min Scan# 1949
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.8	57.2	85.8
206	21.1	15.7	23.5

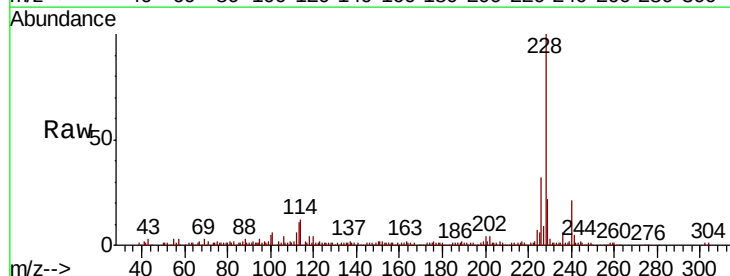


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

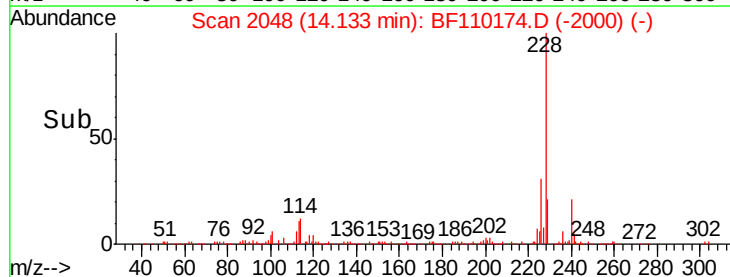
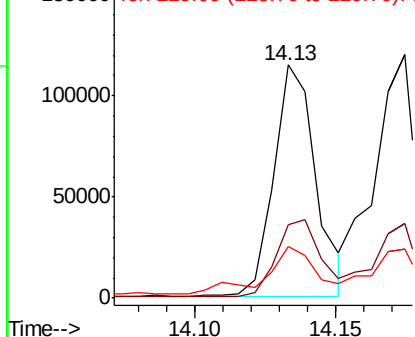


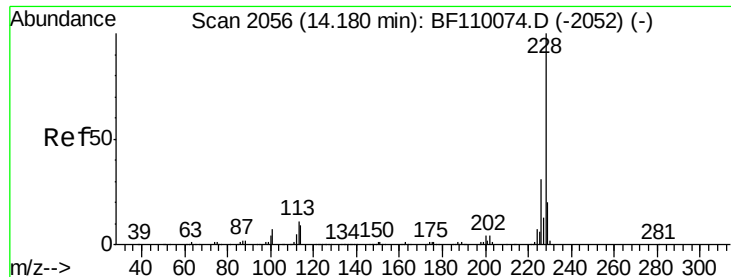
#81
Benzo(a)anthracene
Concen: 7.634 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.1	33.1
229	22.2	15.6	23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.345 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Instrument :

BNA_F

ClientSampleId :

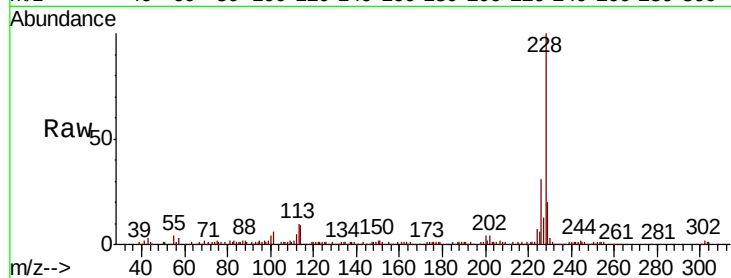
Tot Ion:228 Resp: 122879

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

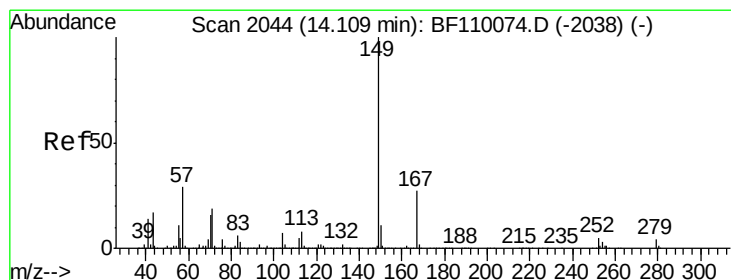
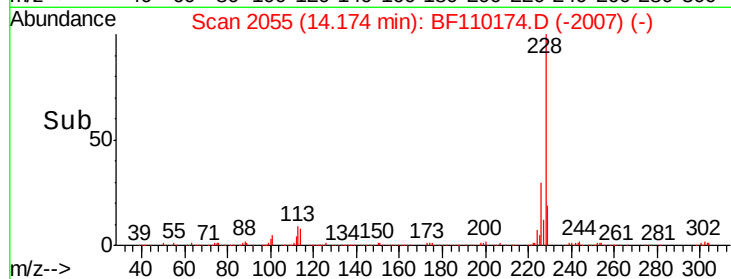
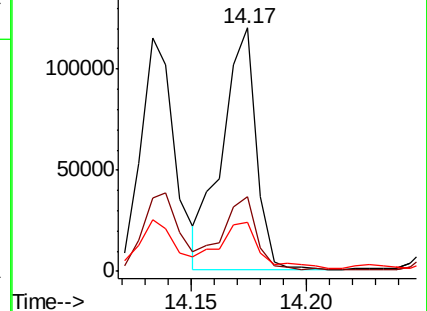
229 20.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.091 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

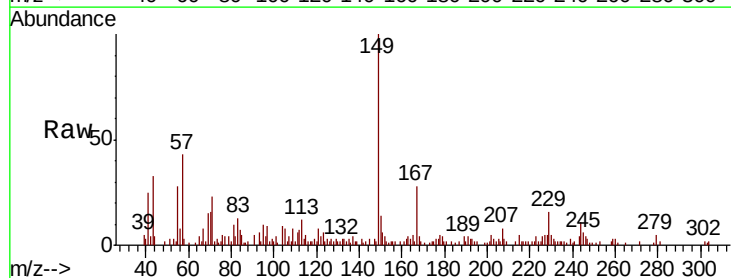
Tgt Ion:149 Resp: 22998

Ion Ratio Lower Upper

149 100

167 27.8 19.8 29.8

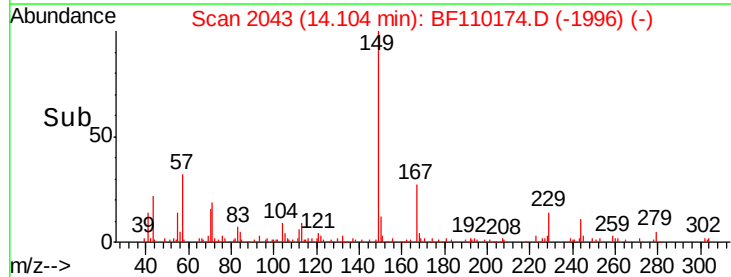
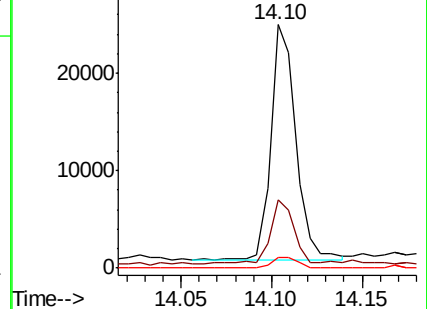
279 4.6 2.7 4.1#

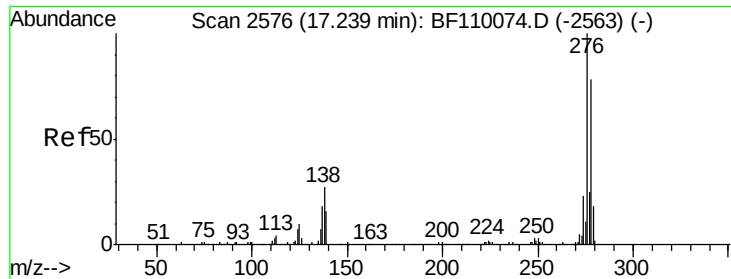


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

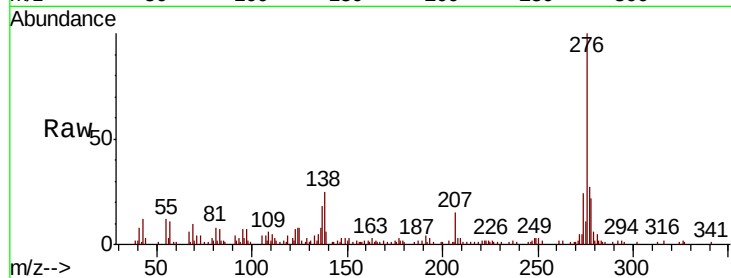




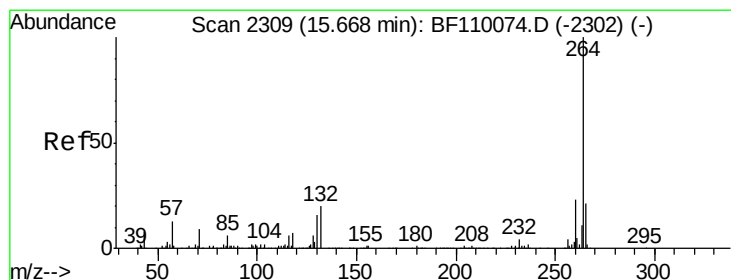
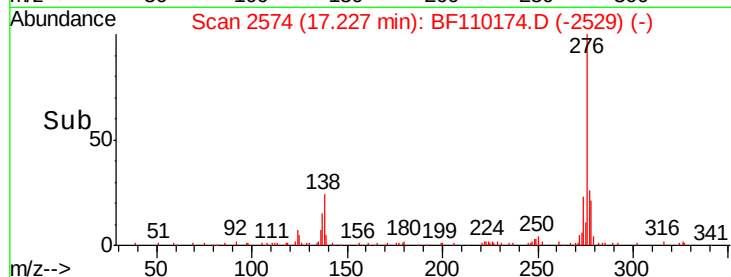
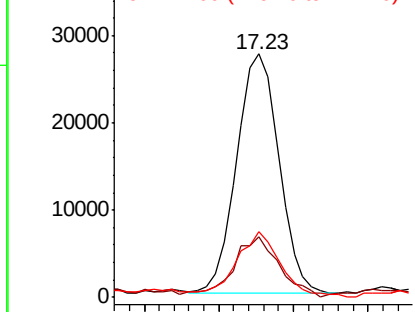
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.416 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.04 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	18.5	27.7
277	28.7	20.0	30.0

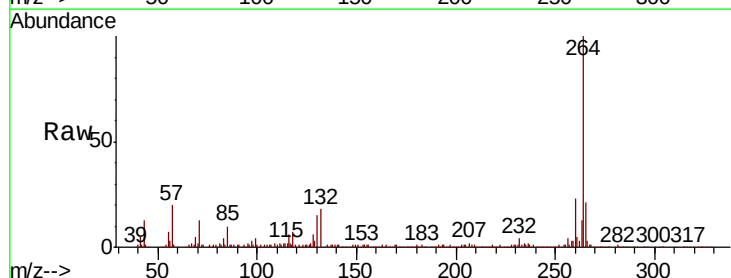


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

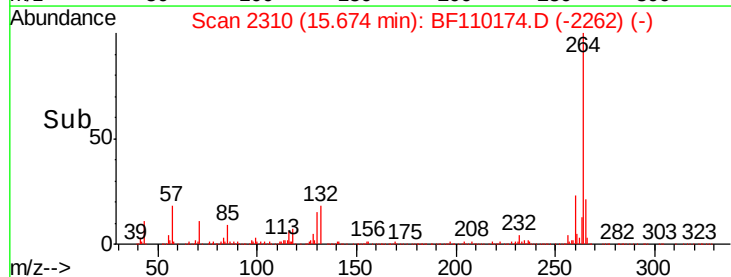
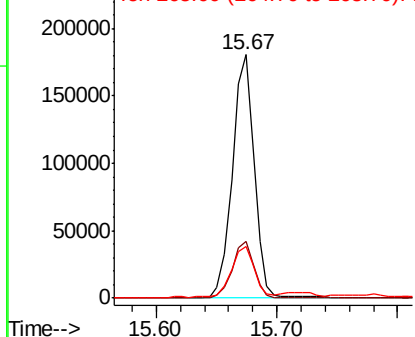


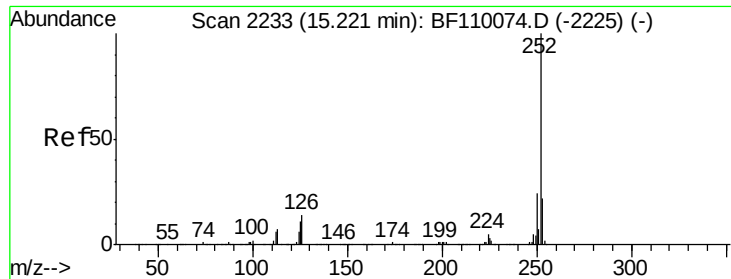
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	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

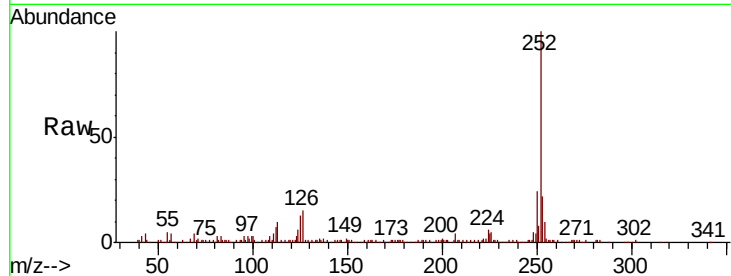




#88
Benzo(b)fluoranthene
Concen: 16.229 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	13.1	8.2	12.4

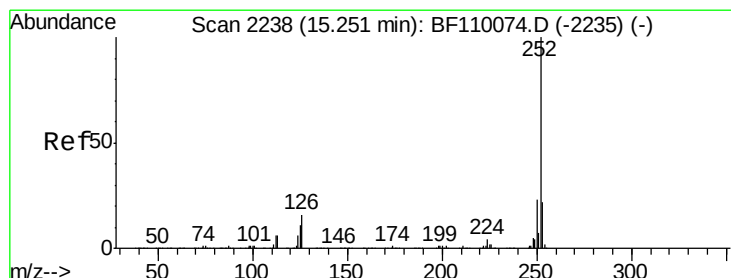
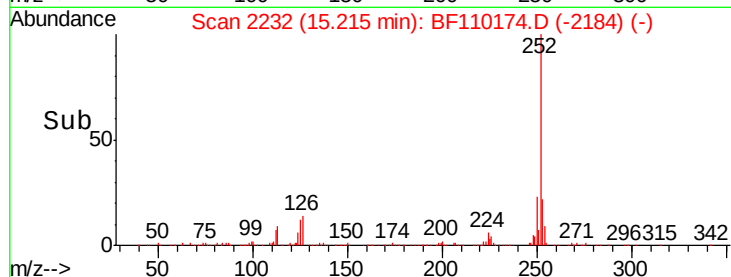
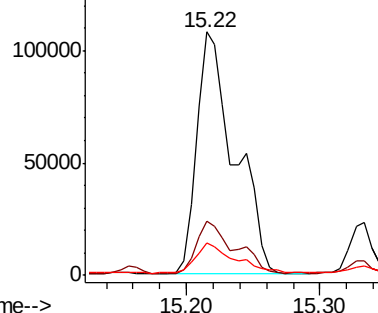


Abundance

Ion 252.00 (251.70 to 252.70): E

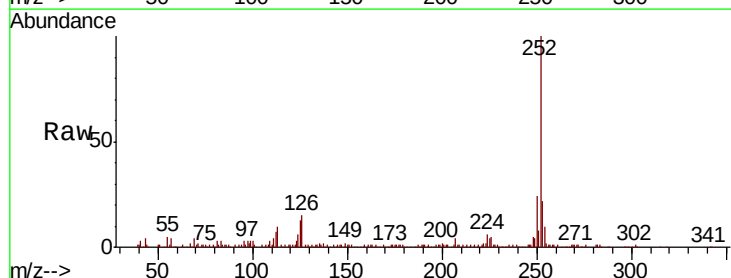
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 16.508 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.05 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	13.1	7.4	11.0

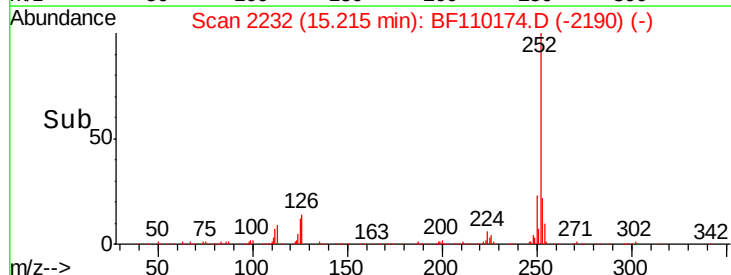
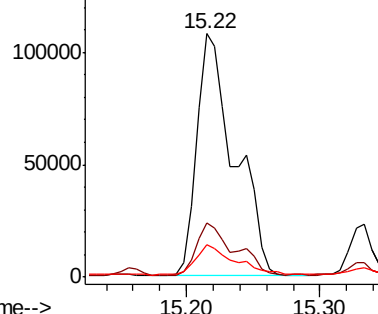


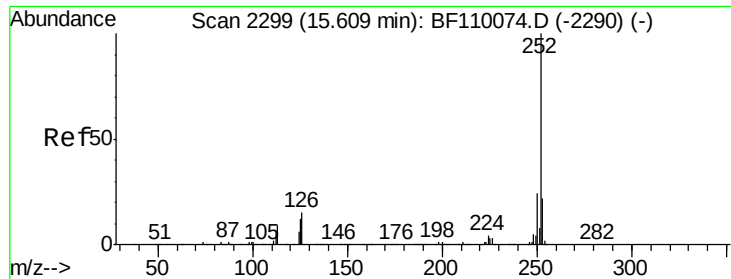
Abundance

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

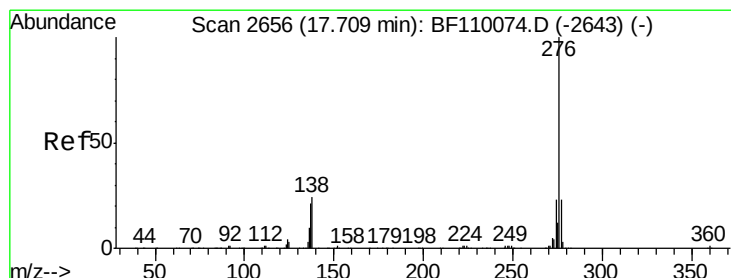
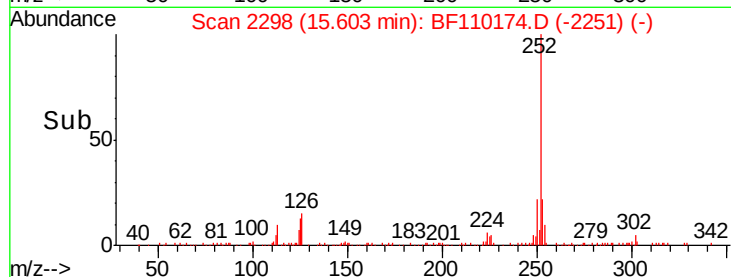
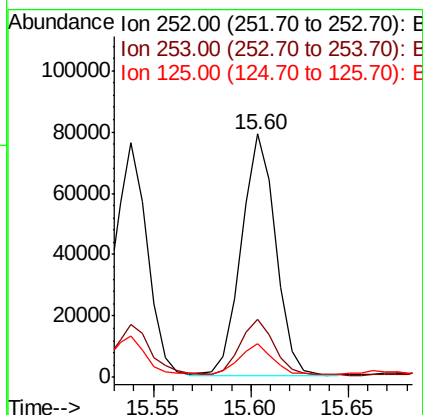
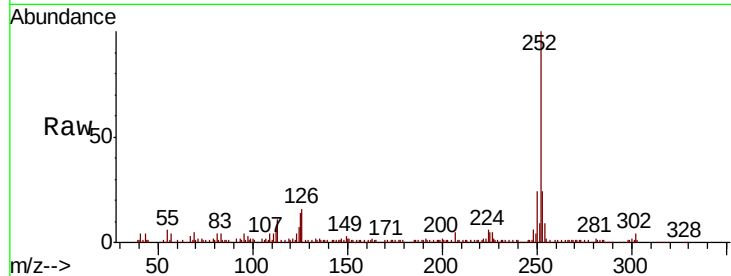




#90
Benzo(a)pyrene
Concen: 7.901 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 95526
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.4
125 14.0 9.0 13.6#



#92
Benzo(g,h,i)perylene
Concen: 5.350 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.04 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion:276 Resp: 54998
Ion Ratio Lower Upper
276 100
277 23.9 18.8 28.2
138 23.5 16.0 24.0

