

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111174.D
 Acq On : 7 Dec 2018 8:37
 Operator : JU/SJ
 Sample : J6168-28
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 09:39:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	399143	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1449456	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	567734	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	879609	20.00	ng	0.00
76) Chrysene-d12	13.96	240	680609	20.00	ng	0.00
87) Perylene-d12	15.40	264	476970	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	2473449	96.70	ng	0.01
7) Phenol-d6	6.44	99	3070272	93.18	ng	0.00
23) Nitrobenzene-d5	7.37	82	1840584	75.18	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	445619	98.74	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2517363	81.48	ng	0.00
79) Terphenyl-d14	12.91	244	1959102	58.95	ng	0.00

Target Compounds

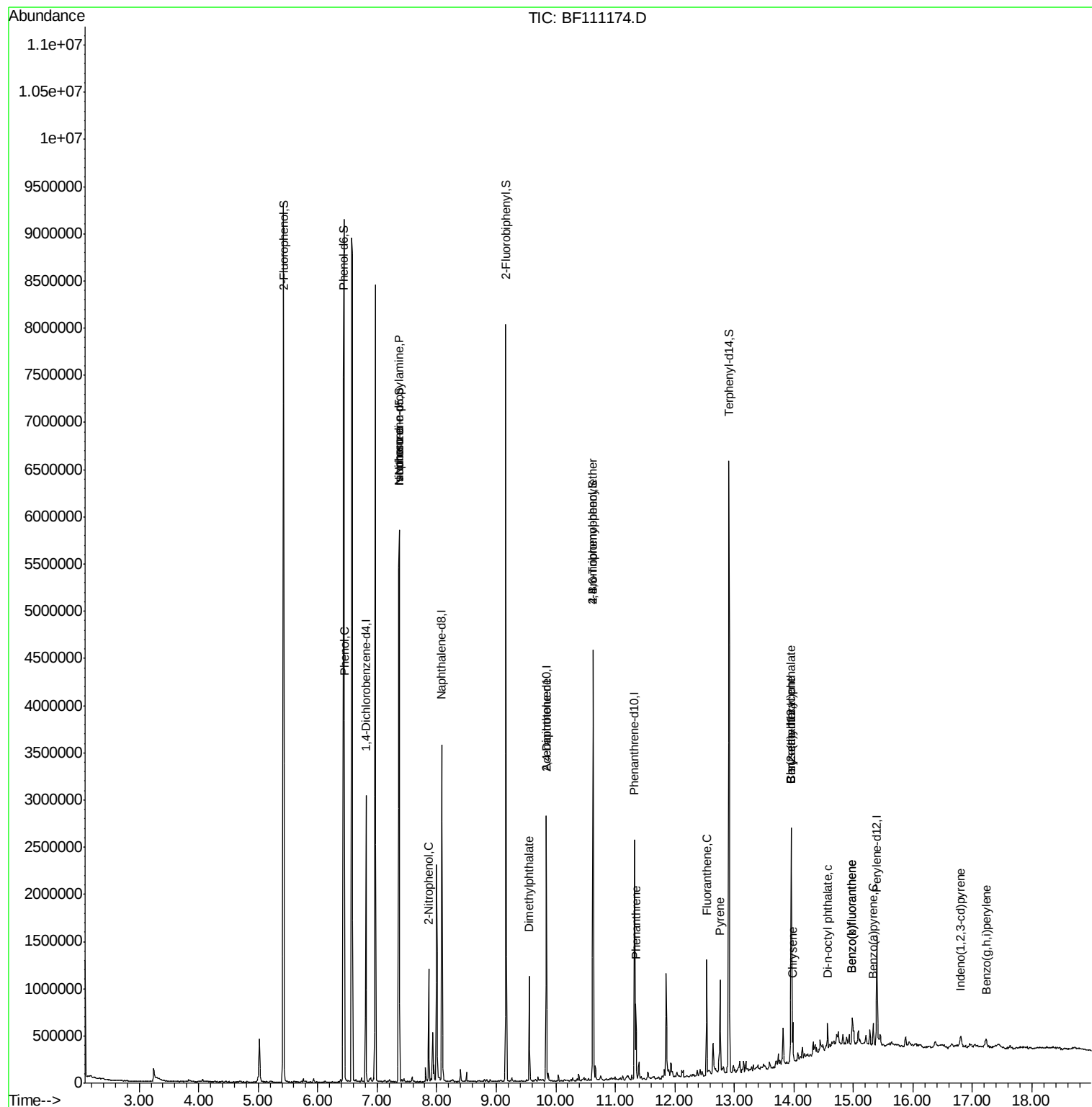
						Qvalue
9) Benzaldehyde	6.44	77	7352	Below Cal	#	1
10) Phenol	6.45	94	238728	6.645 ng		89
19) n-Nitroso-di-n-propylamine	7.37	70	250771	11.325 ng	#	73
25) Isophorone	7.37	82	1835605	40.854 ng	#	65
26) 2-Nitrophenol	7.87	139	50947	4.578 ng	#	36
50) Dimethylphthalate	9.56	163	394172	9.976 ng		97
57) 2,4-Dinitrotoluene	9.84	165	71529	6.611 ng	#	23
67) 4-Bromophenyl-phenylether	10.63	248	28873	3.101 ng	#	1
71) Phenanthrene	11.35	178	250755	5.927 ng		94
75) Fluoranthene	12.53	202	441484	10.663 ng		97
78) Pyrene	12.76	202	375013	7.072 ng		94
81) Benzo(a)anthracene	13.95	228	168851	4.234 ng		97
83) Chrysene	13.98	228	154938	3.914 ng		95
84) Bis(2-ethylhexyl)phthalate	13.96	149	97638	3.156 ng	#	80
85) Di-n-octyl phthalate	14.56	149	137171	2.820 ng	#	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	68702	2.161 ng	#	90
88) Benzo(b)fluoranthene	14.98	252	201793	7.466 ng	#	95
89) Benzo(k)fluoranthene	14.98	252	201793	7.723 ng	#	95
90) Benzo(a)pyrene	15.33	252	105890	4.271 ng		97
92) Benzo(a,h,i)perylene	17.23	276	68398	3.272 ng		94

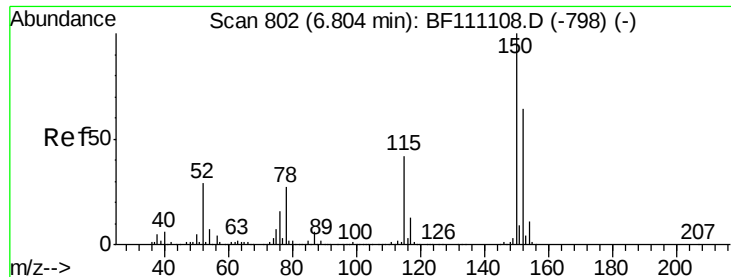
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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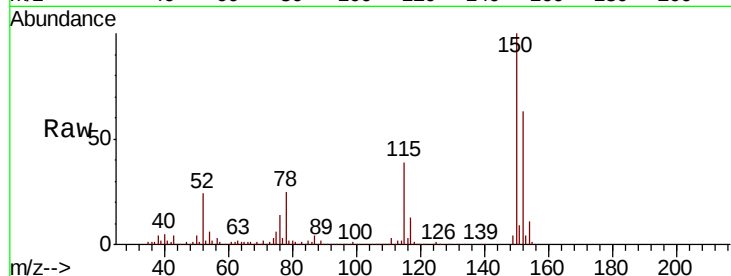


#1

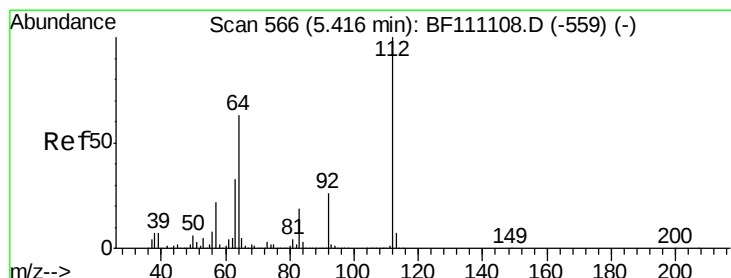
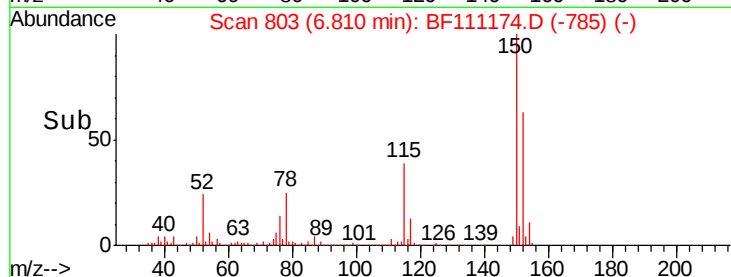
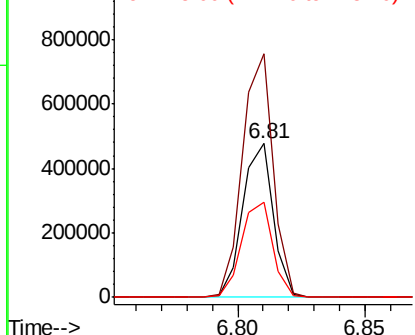
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 399143
Ion Ratio Lower Upper
152 100
150 158.4 124.6 187.0
115 62.0 52.2 78.2



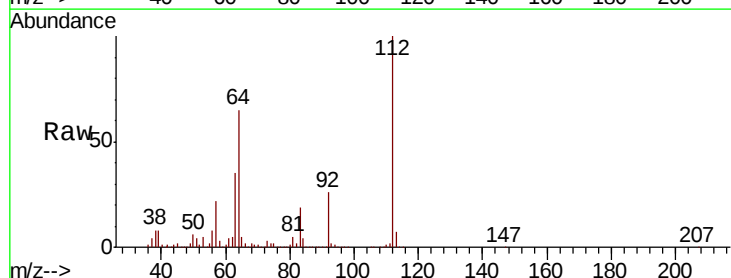
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



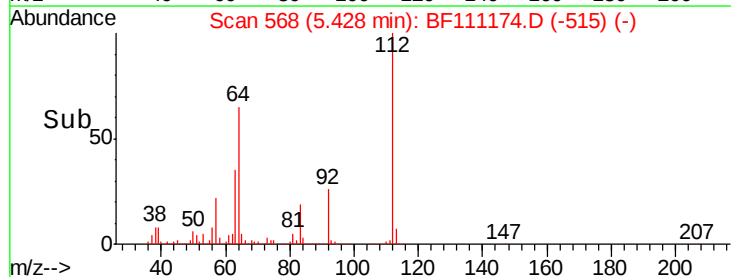
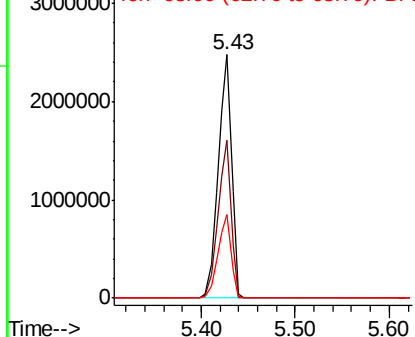
#5

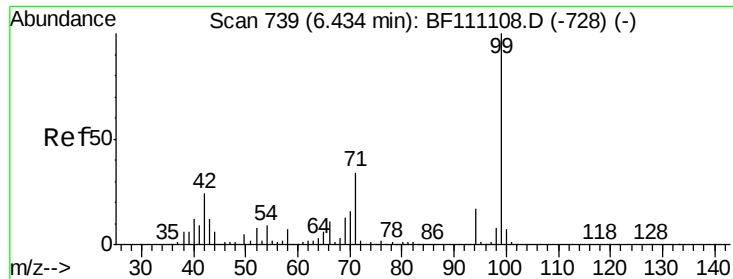
2-Fluorophenol
Concen: 96.700 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion:112 Resp: 2473449
Ion Ratio Lower Upper
112 100
64 64.7 50.2 75.4
63 34.6 26.6 39.8



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: 93.181 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

ClientSampleId :

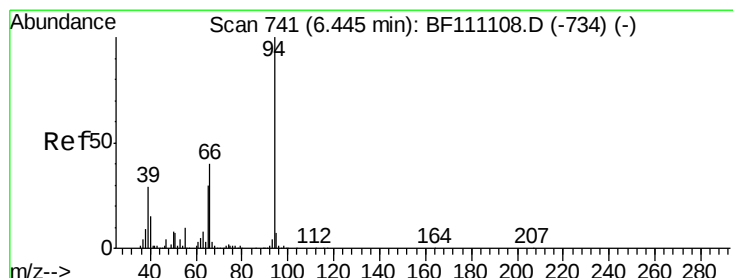
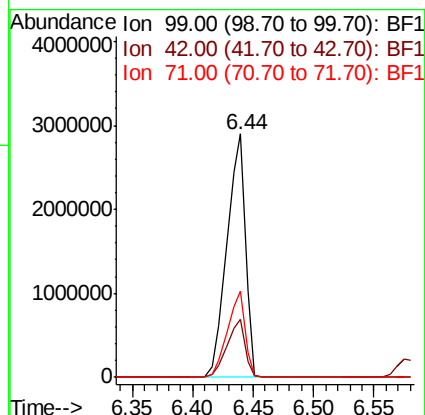
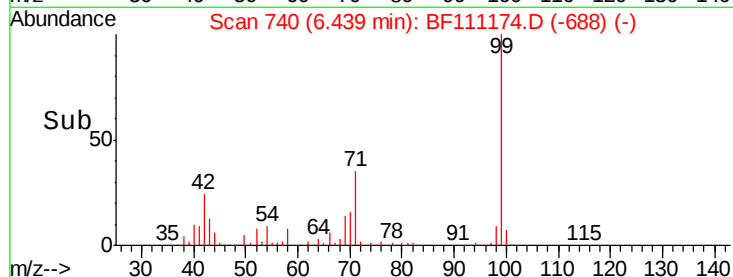
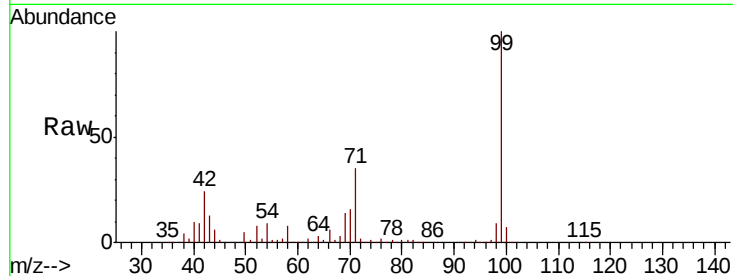
Tot Ion: 99 Resp: 3070272

Ion Ratio Lower Upper

99 100

42 24.0 19.3 28.9

71 35.4 27.4 41.2



#10

Phenol

Concen: 6.645 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

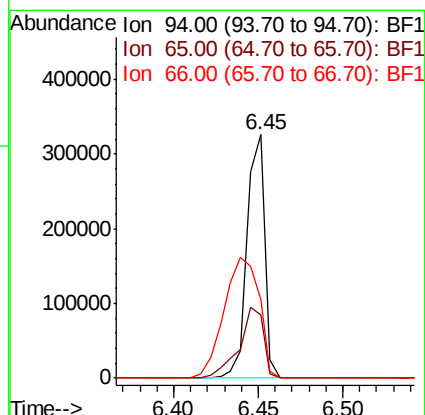
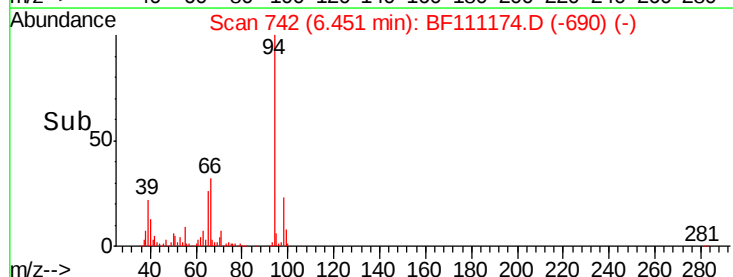
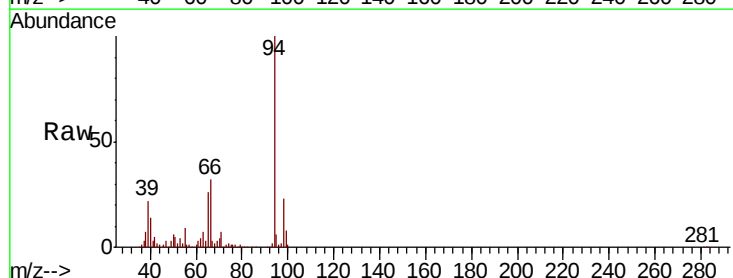
Tgt Ion: 94 Resp: 238728

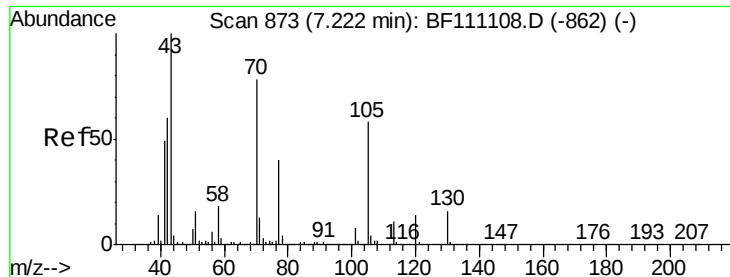
Ion Ratio Lower Upper

94 100

65 25.9 10.5 50.5

66 32.3 19.8 59.8

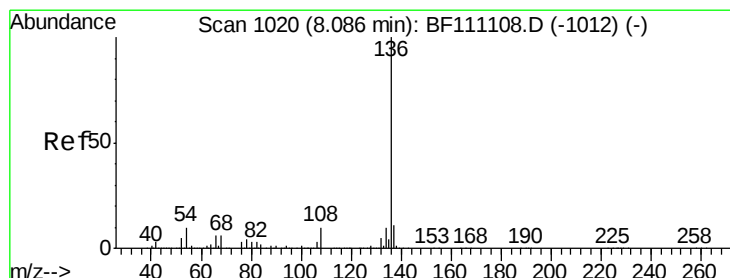
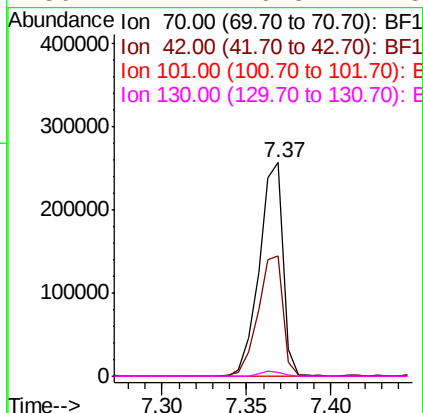
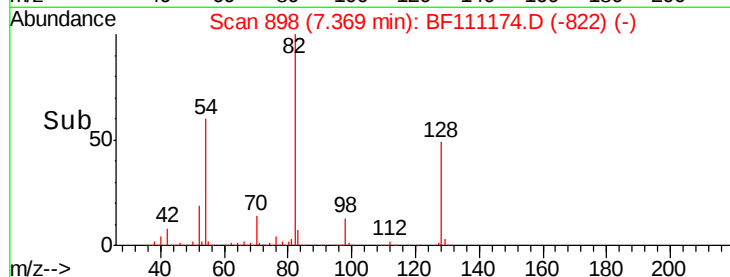
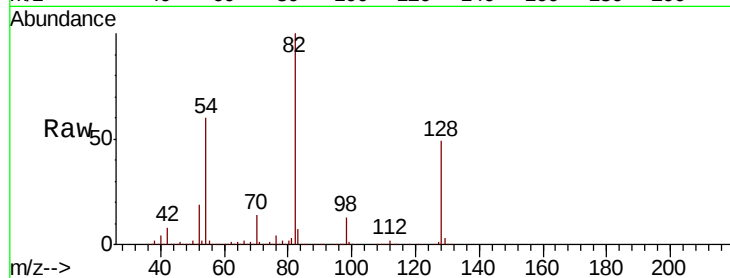




#19
n-Nitroso-di-n-propylamine
Concen: 11.325 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

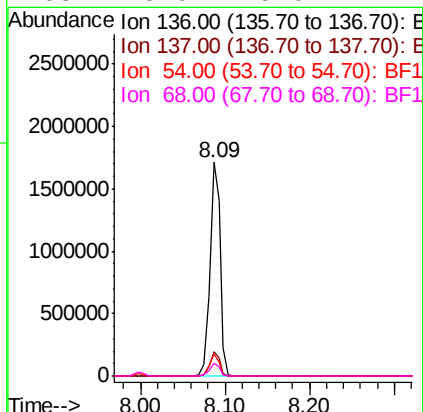
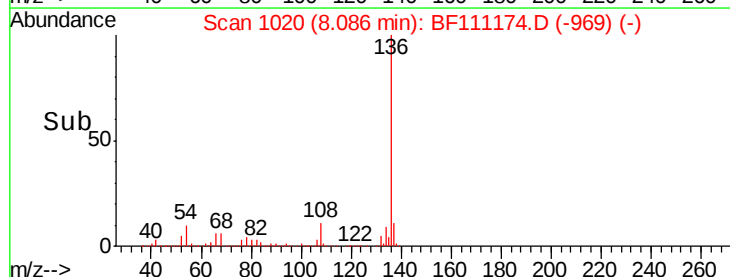
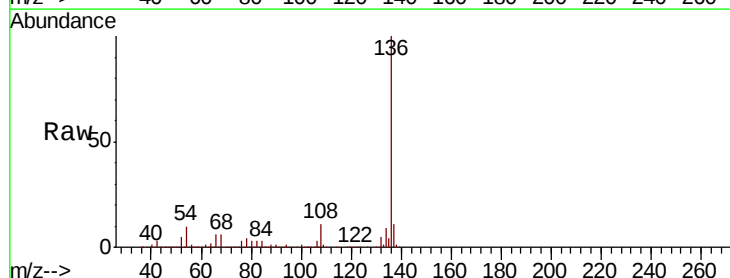
Instrument :
BNA_F
ClientSampleId :

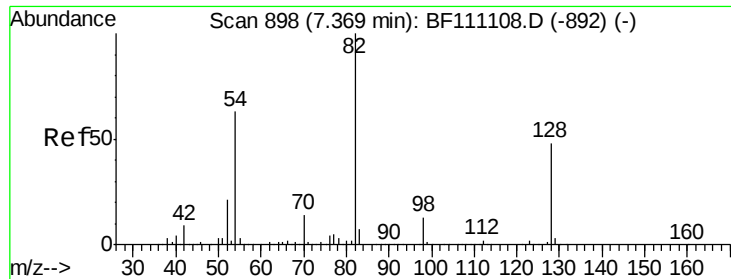
Tot Ion: 70 Resp: 250771
Ion Ratio Lower Upper
70 100
42 56.2 61.3 91.9#
101 0.0 7.7 11.5#
130 2.1 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion: 136 Resp: 1449456
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 10.4 8.4 12.6
68 6.0 5.0 7.4

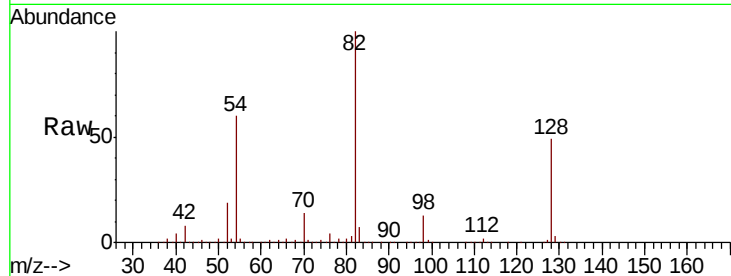




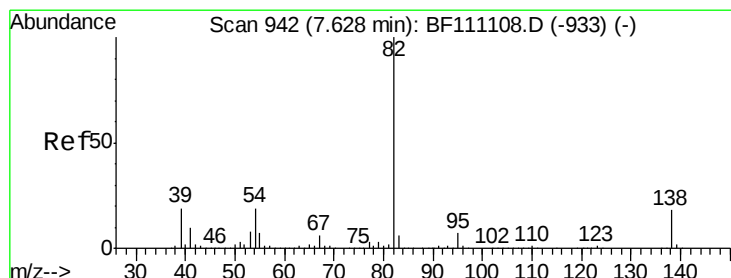
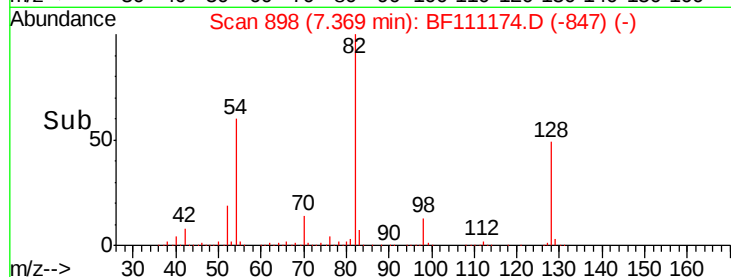
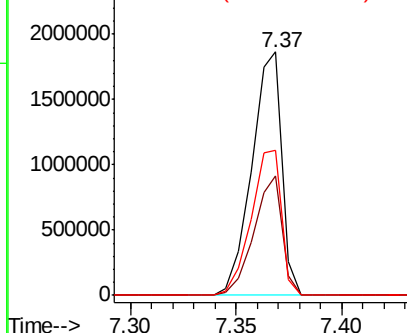
#23
 Nitrobenzene-d5
 Concen: 75.179 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BF111174.D
 Acq: 7 Dec 2018 8:37

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1840584
 Ion Ratio Lower Upper
 82 100
 128 49.2 38.1 57.1
 54 59.6 50.3 75.5

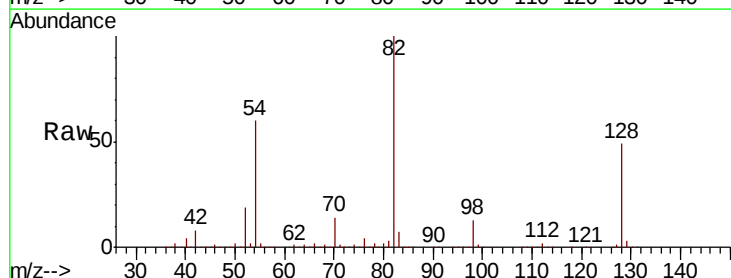


Abundance Ion 82.00 (81.70 to 82.70): BF1
 2500000 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

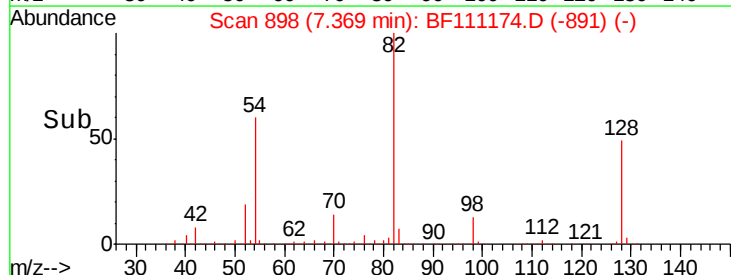
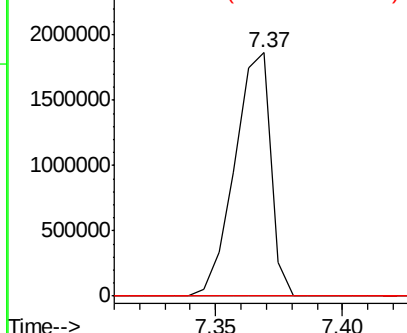


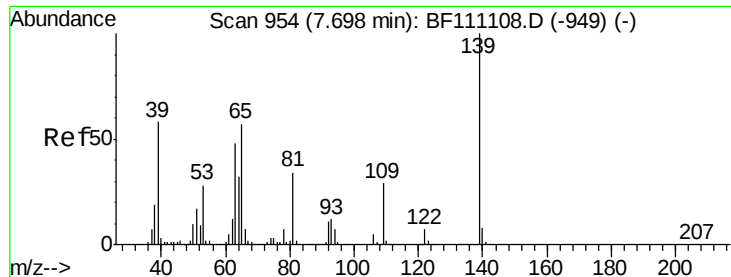
#25
 Isophorone
 Concen: 40.854 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF111174.D
 Acq: 7 Dec 2018 8:37

Tgt Ion: 82 Resp: 1835605
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 2500000 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

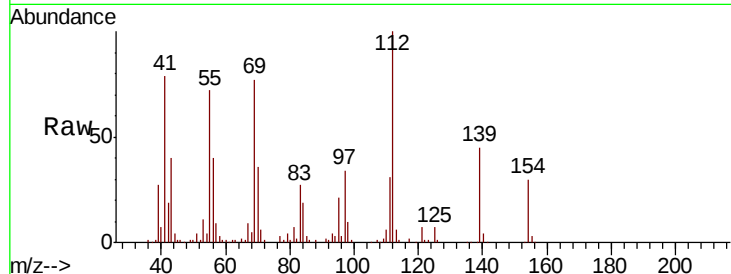




#26
2-Nitrophenol
Concen: 4.578 ng
RT: 7.87 min Scan# 983
Delta R.T. 0.17 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	4.2	23.1	34.7#
65	3.9	45.9	68.9#

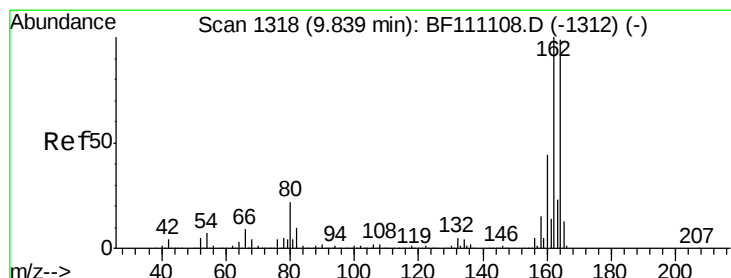
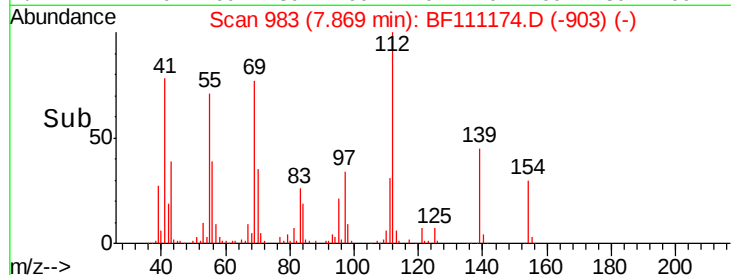
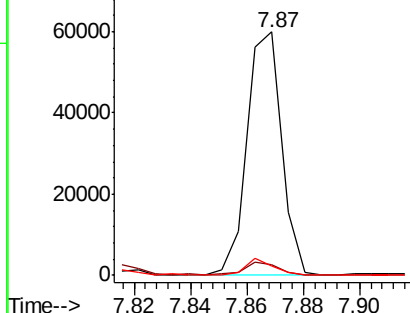


Abundance

Ion 139.00 (138.70 to 139.70): E

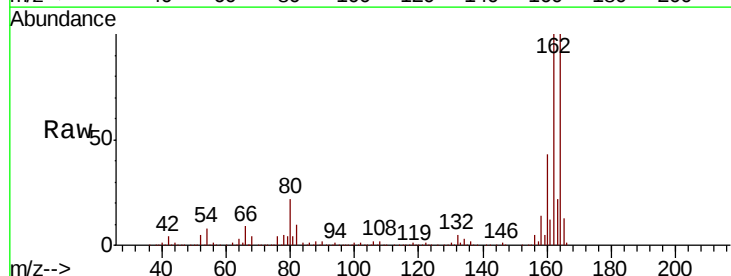
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	120.8
160	43.4	35.5	53.3

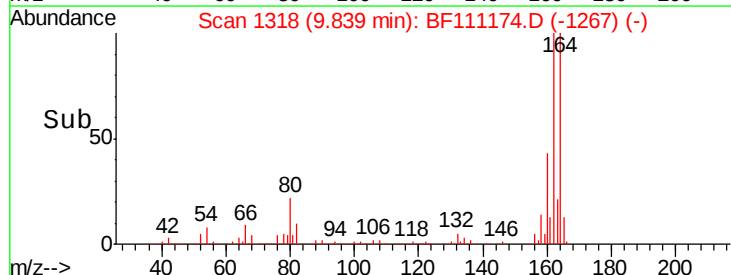
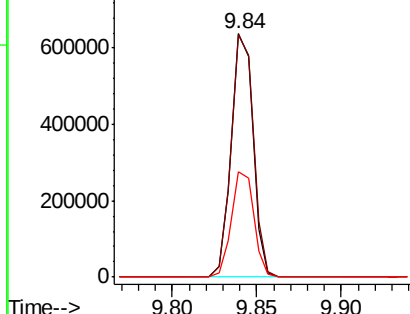


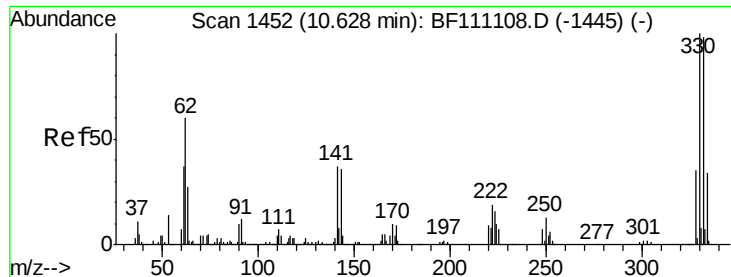
Abundance

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: 98.745 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

ClientSampleId :

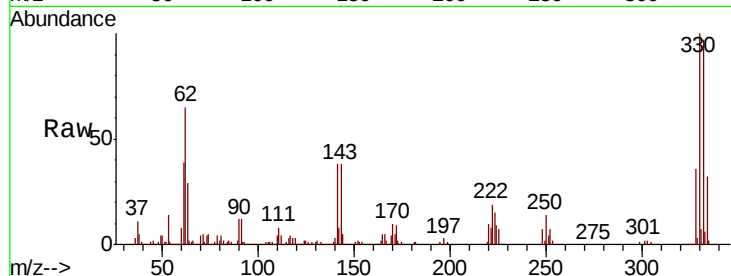
Tot Ion:330 Resp: 445619

Ion Ratio Lower Upper

330 100

332 97.2 77.2 115.8

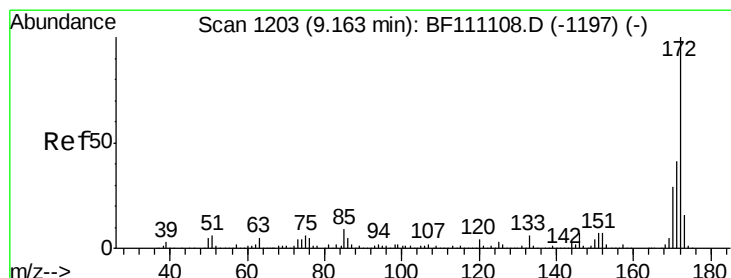
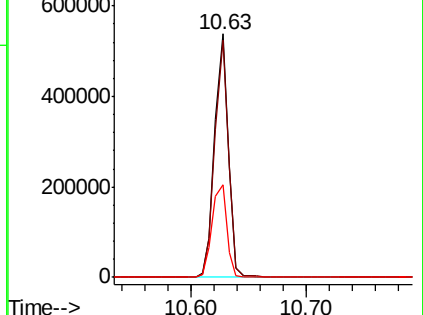
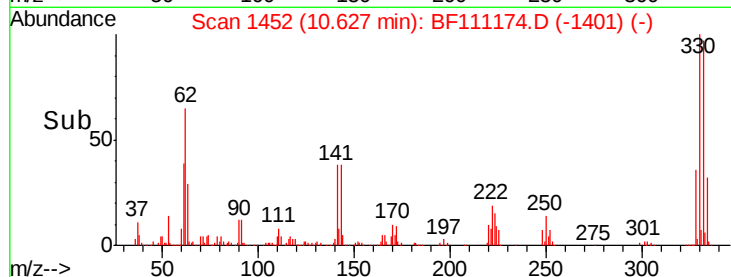
141 41.4 36.1 54.1



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: 81.482 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

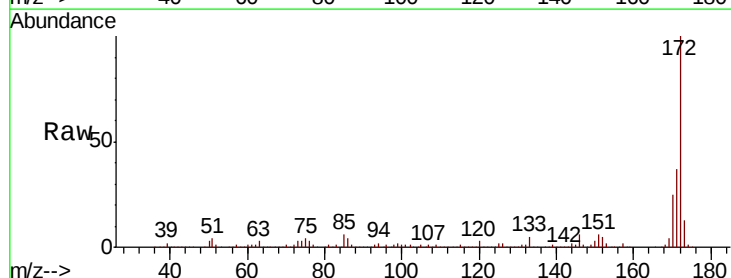
Tgt Ion:172 Resp: 2517363

Ion Ratio Lower Upper

172 100

171 36.8 33.2 49.8

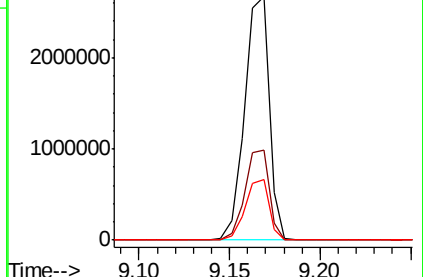
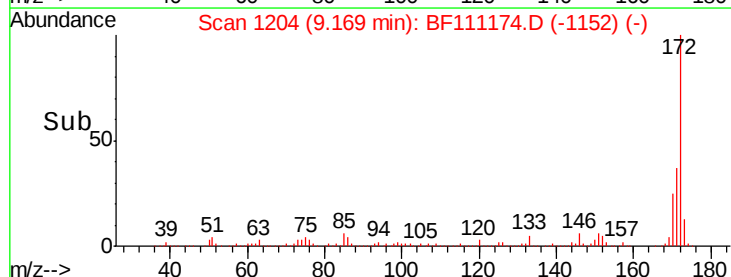
170 24.7 22.9 34.3

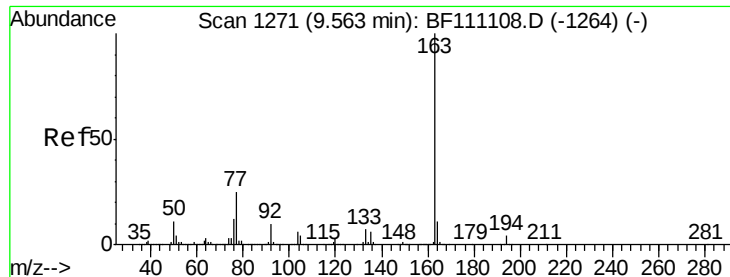


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

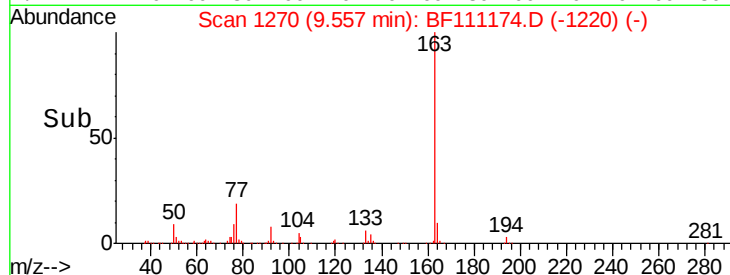
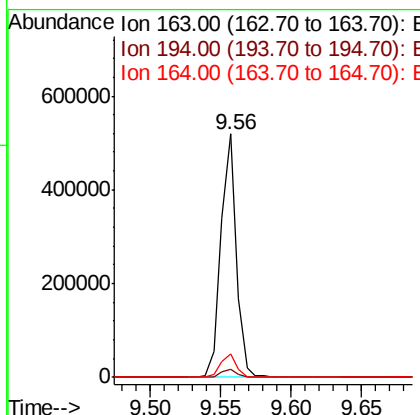
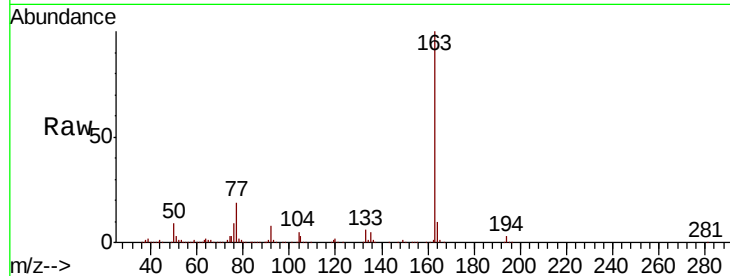




#50
Dimethylphthalate
Concen: 9.976 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

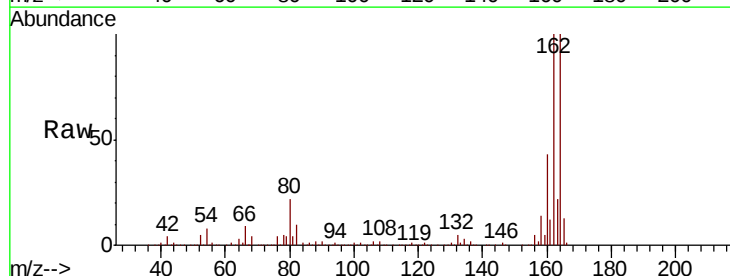
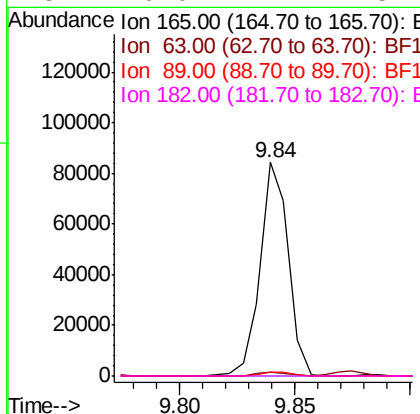
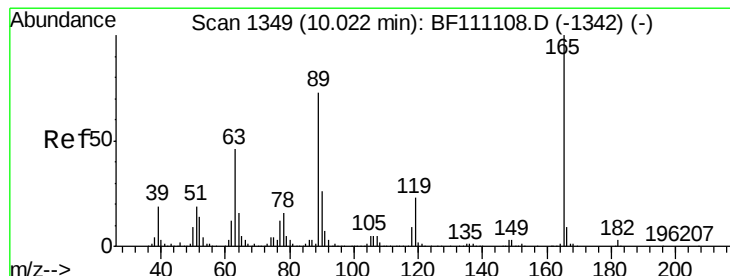
Instrument :
BNA_F
ClientSampleId :

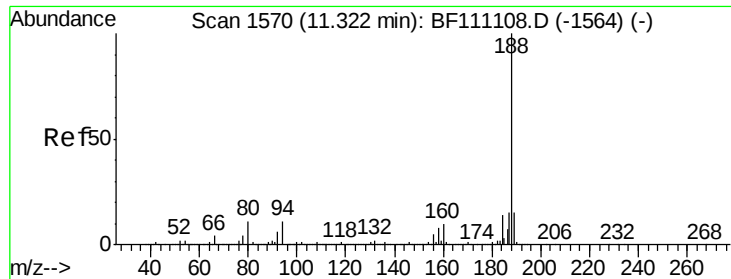
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	9.6	8.9	13.3



#57
2,4-Dinitrotoluene
Concen: 6.611 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.7	55.1#
89	1.7	58.4	87.6#
182	0.0	2.1	3.1#

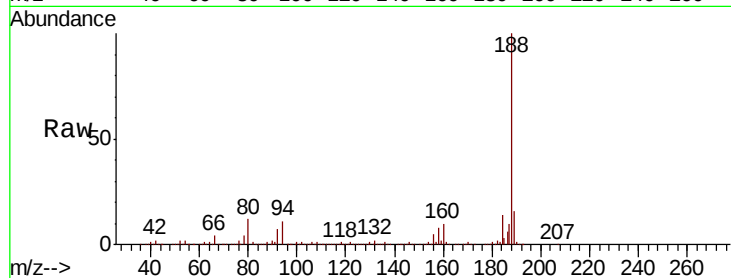




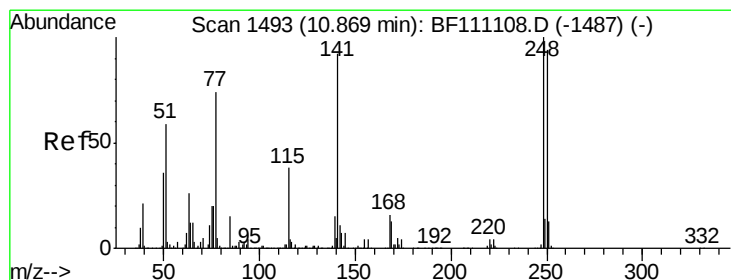
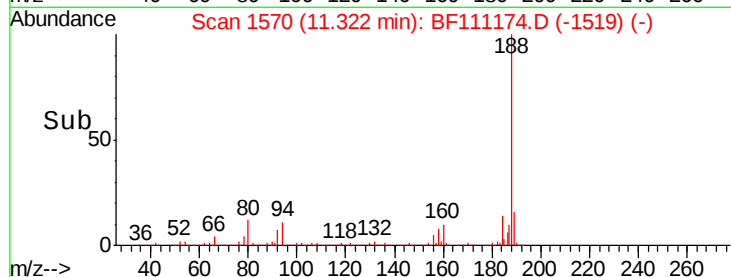
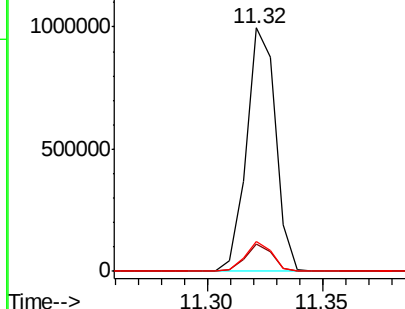
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 879609
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.2 9.0 13.6

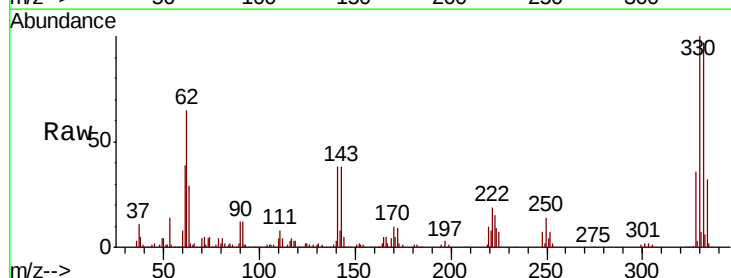


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

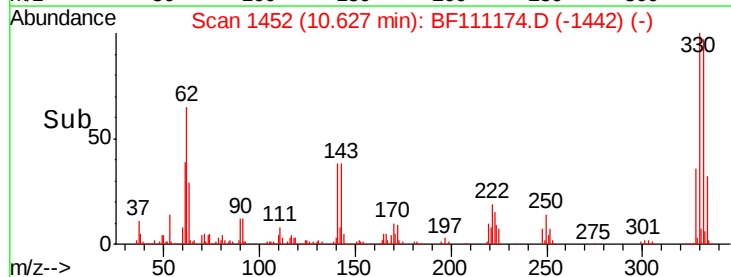
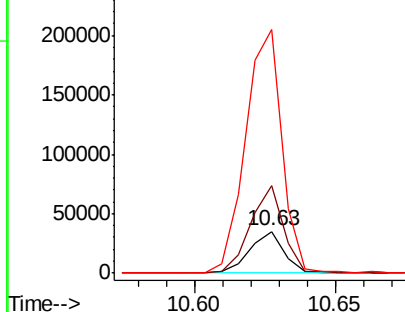


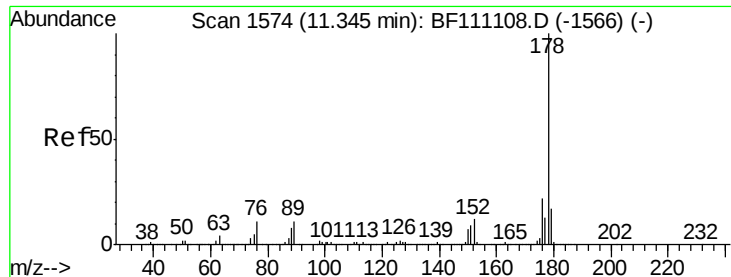
#67
4-Bromophenyl-phenylether
Concen: 3.101 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion:248 Resp: 28873
Ion Ratio Lower Upper
248 100
250 208.9 75.4 113.0#
141 585.0 73.8 110.6#



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

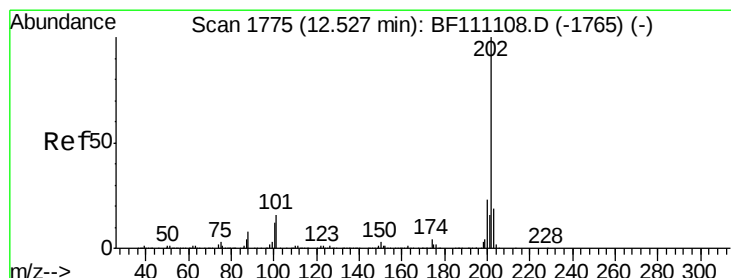
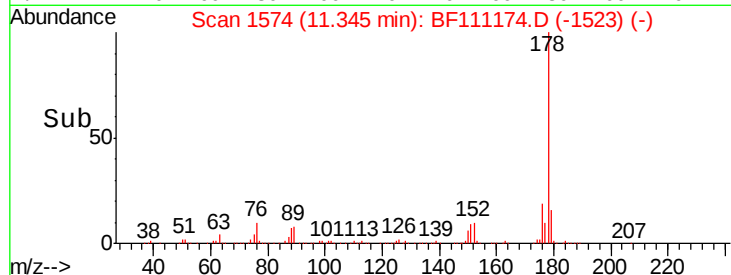
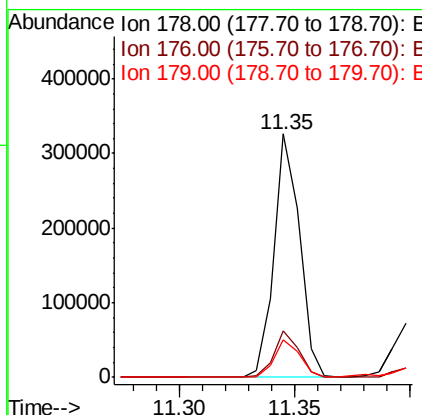
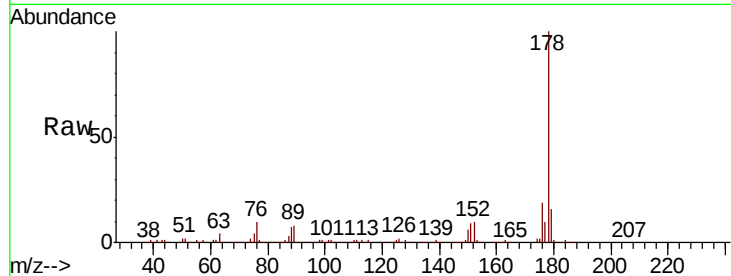




#71
Phenanthrene
Concen: 5.927 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

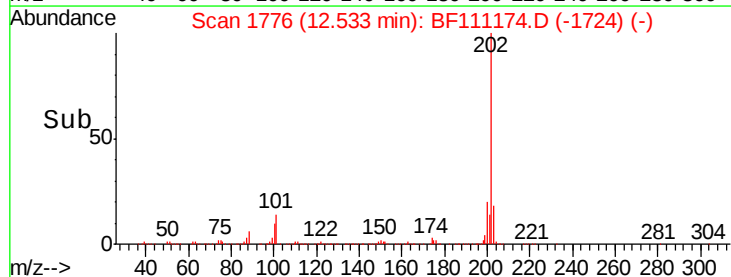
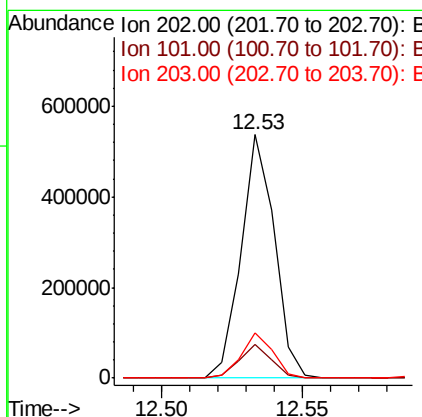
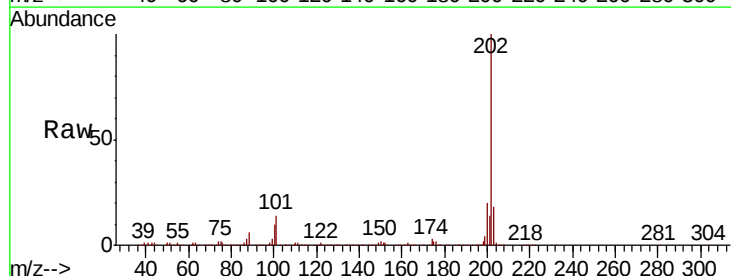
Instrument :
BNA_F
ClientSampleId :

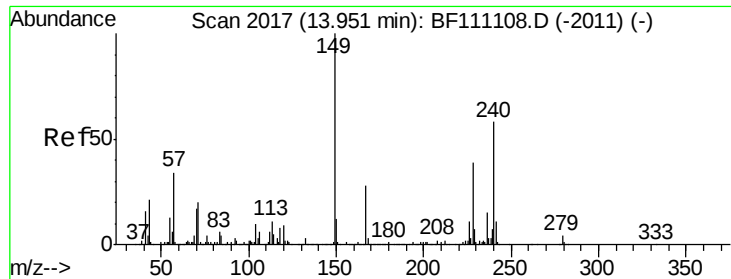
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.7	26.5
179	15.7	14.0	21.0



#75
Fluoranthene
Concen: 10.663 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	35.8
203	18.4	0.0	38.6

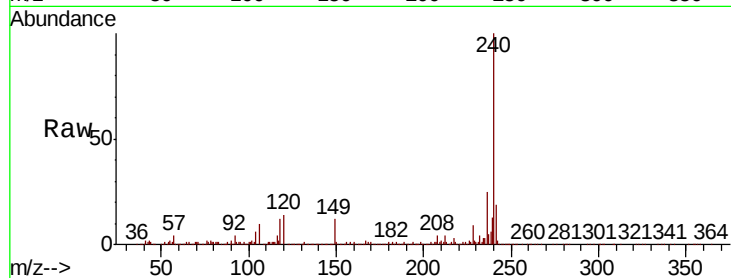




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	12.8	19.2
236	25.3	21.1	31.7

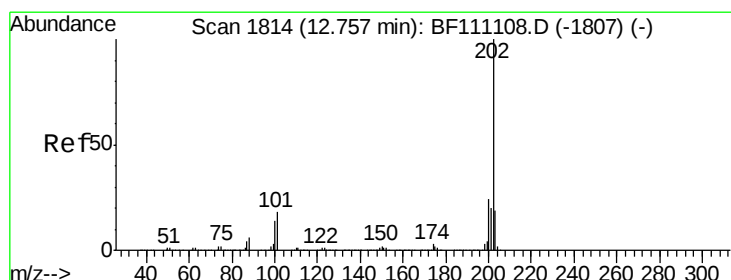
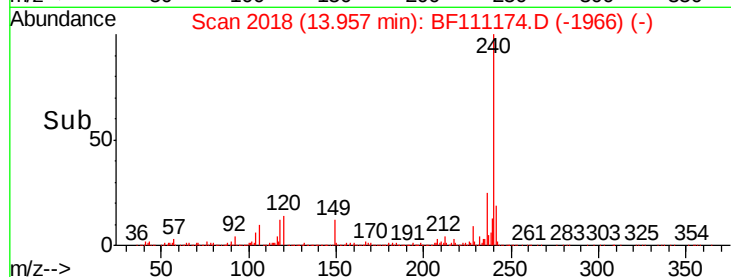
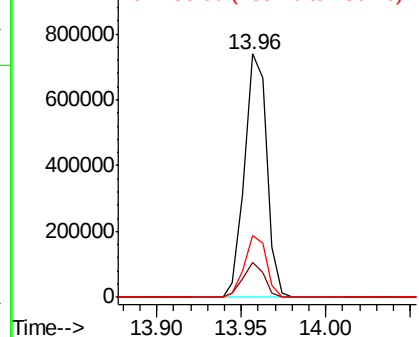


Abundance

Ion 240.00 (239.70 to 240.70): E

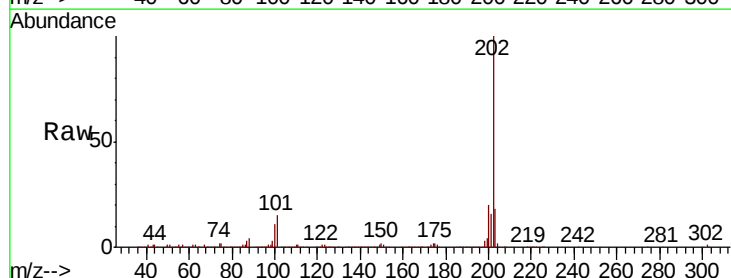
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 7.072 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	19.3	28.9
203	17.9	15.4	23.2

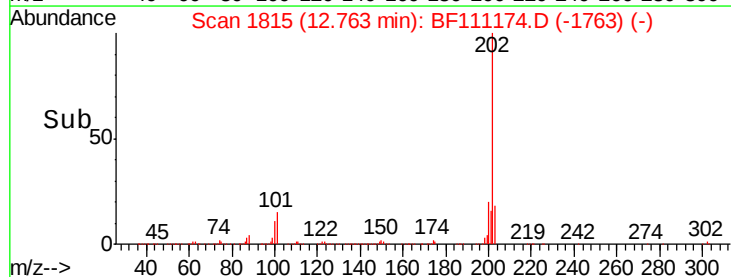
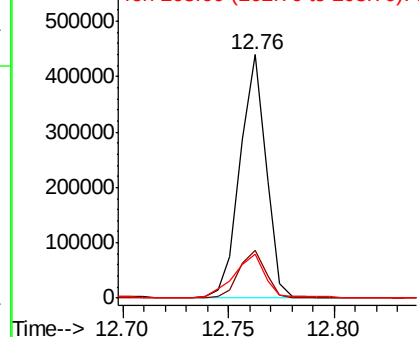


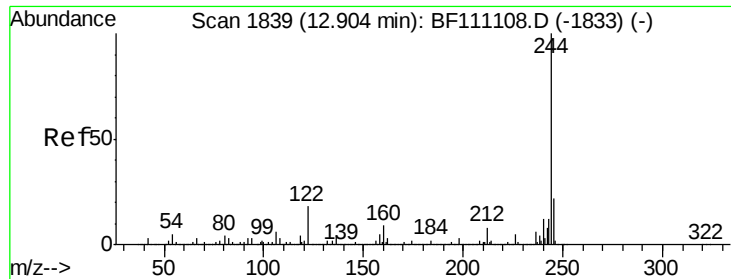
Abundance

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

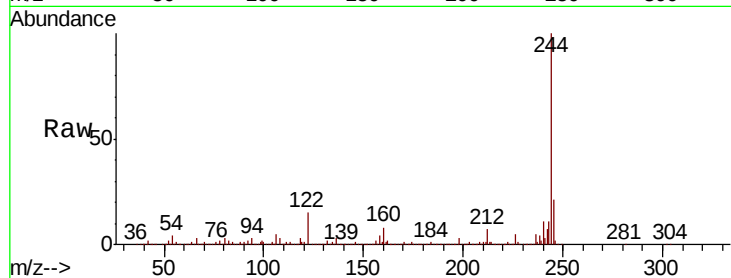




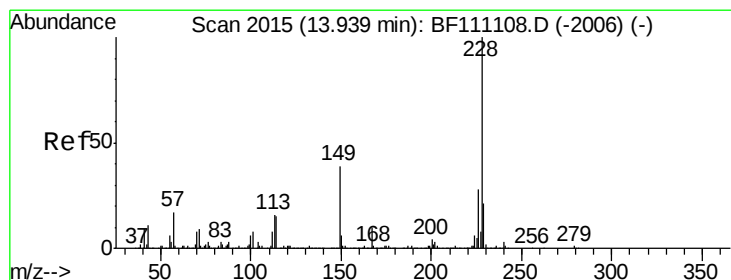
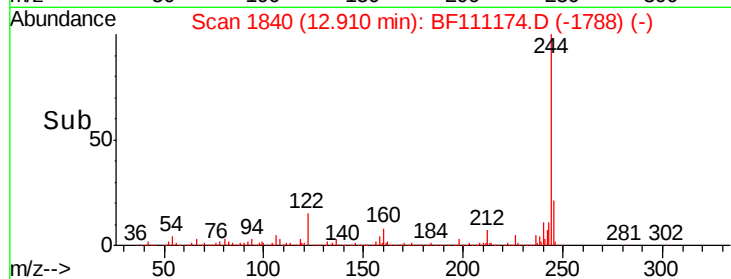
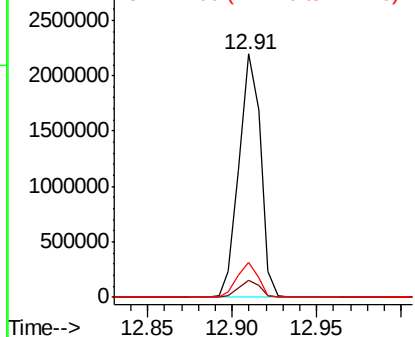
#79
 Terphenyl-d14
 Concen: 58.950 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111174.D
 Acq: 7 Dec 2018 8:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1959102
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.6 9.8
 122 14.6 14.2 21.2

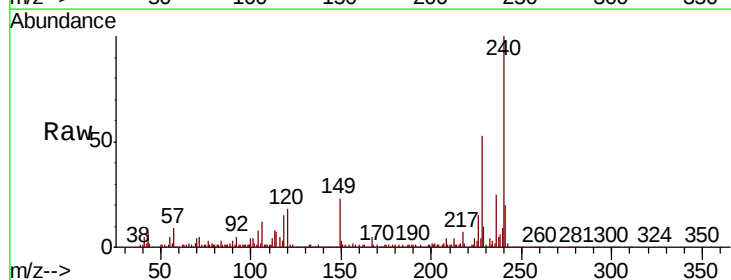


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

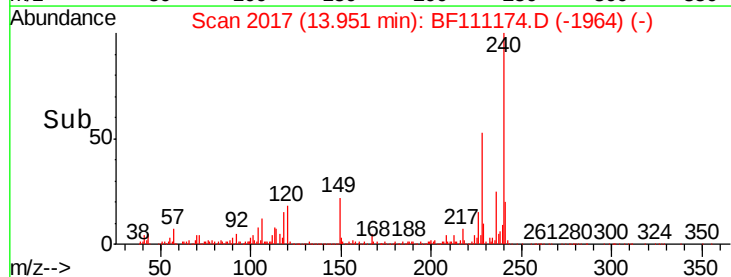
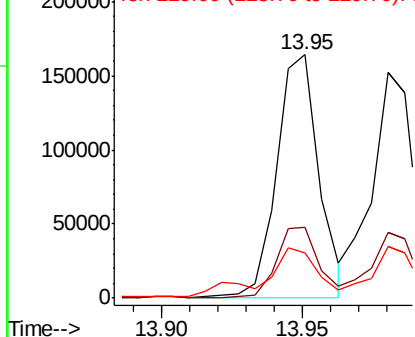


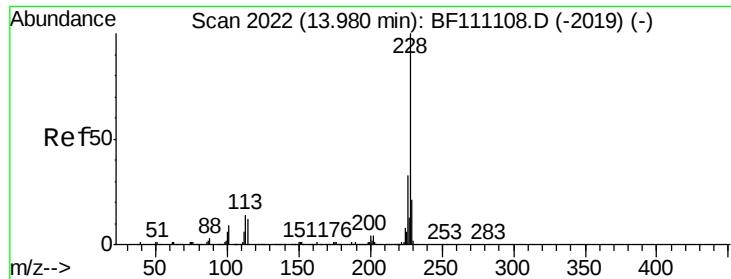
#81
 Benzo(a)anthracene
 Concen: 4.234 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF111174.D
 Acq: 7 Dec 2018 8:37

Tgt Ion:228 Resp: 168851
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 34.0
 229 18.7 16.7 25.1



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

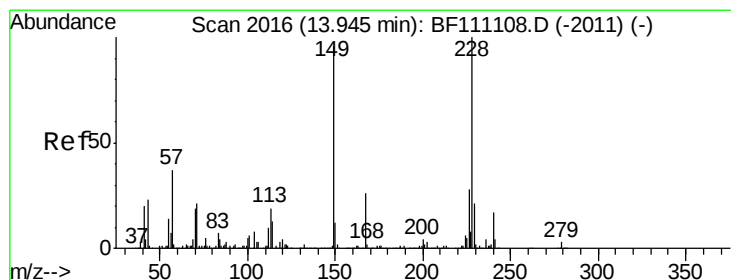
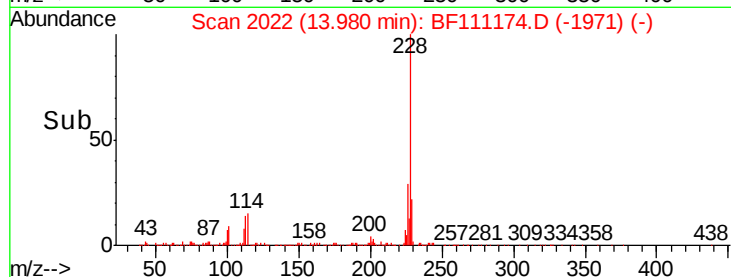
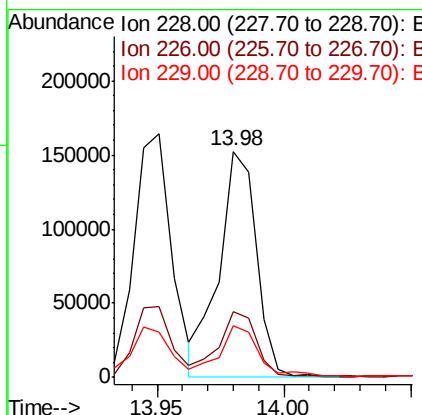
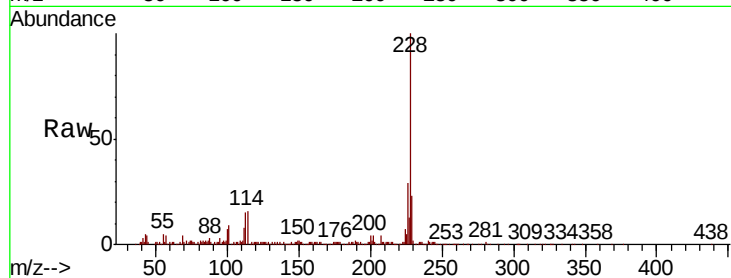




#83
Chrysene
Concen: 3.914 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

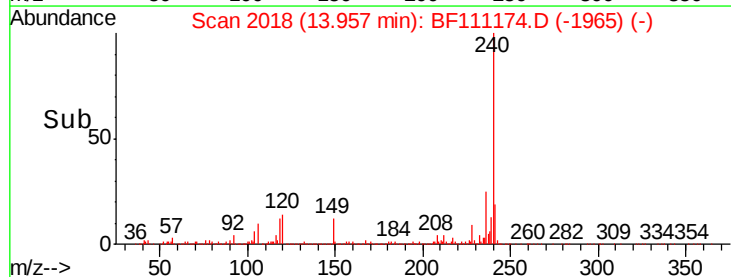
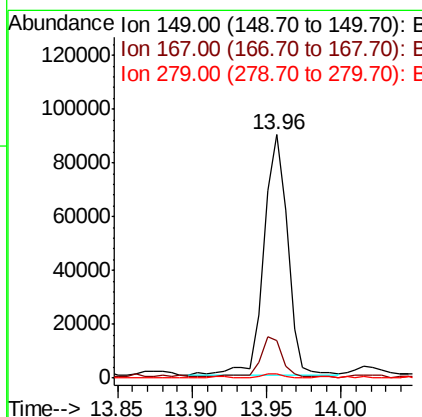
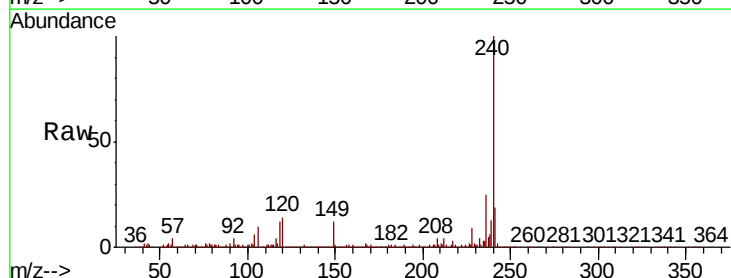
Instrument :
BNA_F
ClientSampleId :

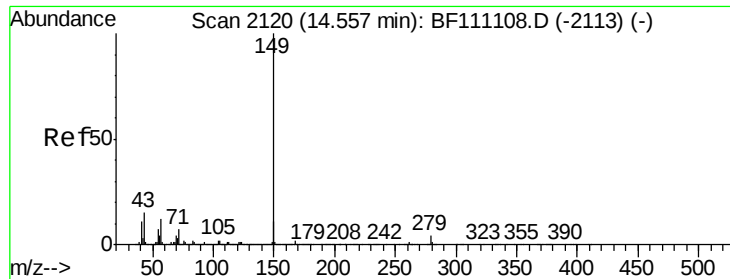
Tot Ion:228 Resp: 154938
Ion Ratio Lower Upper
228 100
226 29.3 26.2 39.2
229 22.7 16.9 25.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.156 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion:149 Resp: 97638
Ion Ratio Lower Upper
149 100
167 15.6 21.6 32.4#
279 1.9 2.3 3.5#





#85

Di-n-octyl phthalate

Concen: 2.820 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

ClientSampleId :

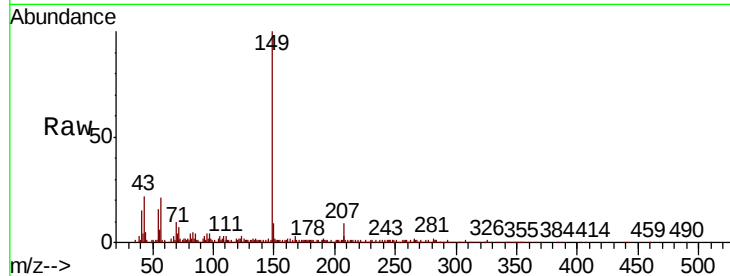
Tot Ion:149 Resp: 137171

Ion Ratio Lower Upper

149 100

167 2.3 1.3 1.9#

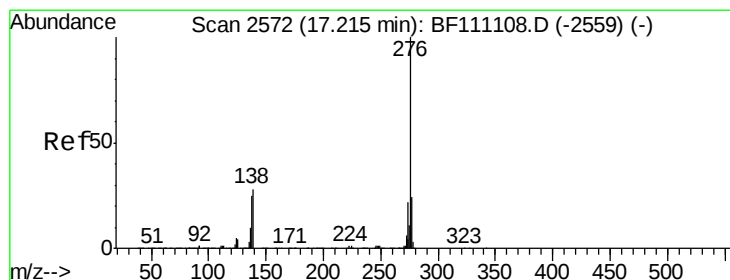
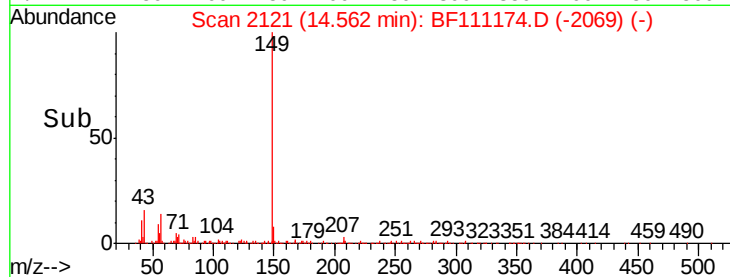
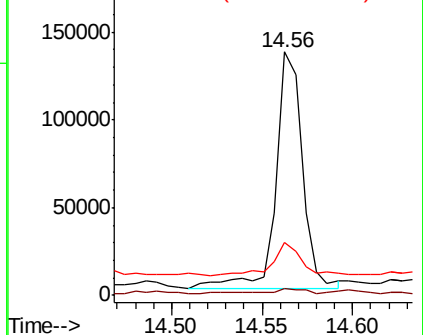
43 15.8 11.9 17.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.161 ng

RT: 16.80 min Scan# 2502

Delta R.T. 0.02 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

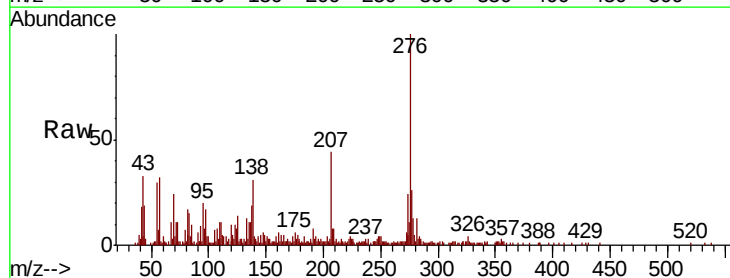
Tgt Ion:276 Resp: 68702

Ion Ratio Lower Upper

276 100

138 29.9 20.2 30.4

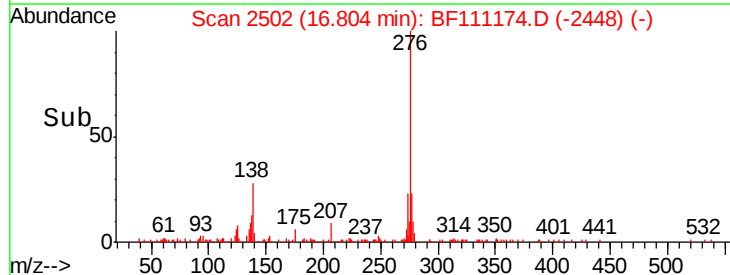
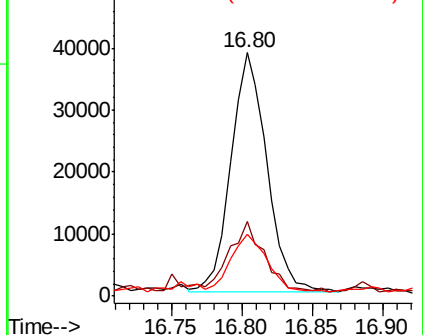
277 24.5 15.8 23.6#

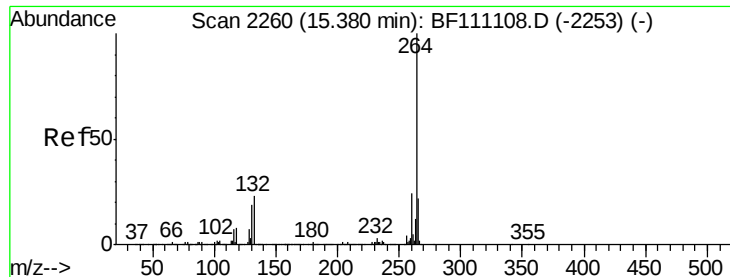


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.02 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

ClientSampleId :

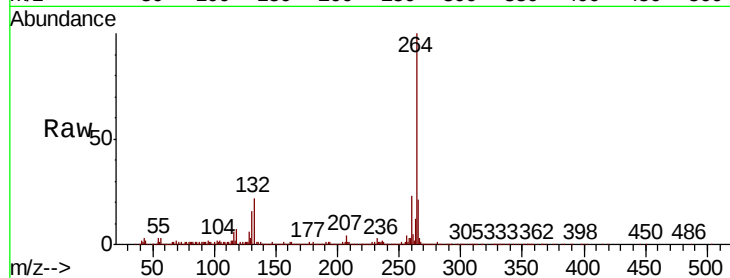
Tot Ion:264 Resp: 476970

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

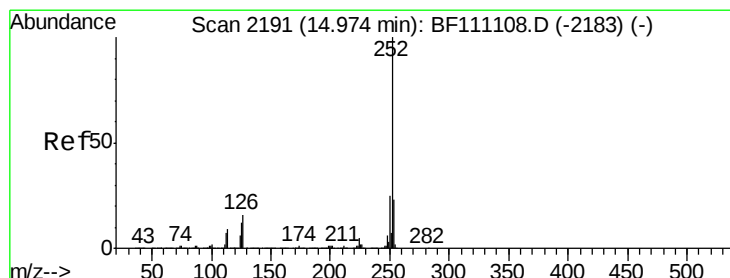
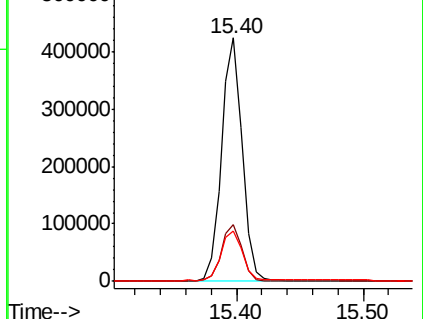
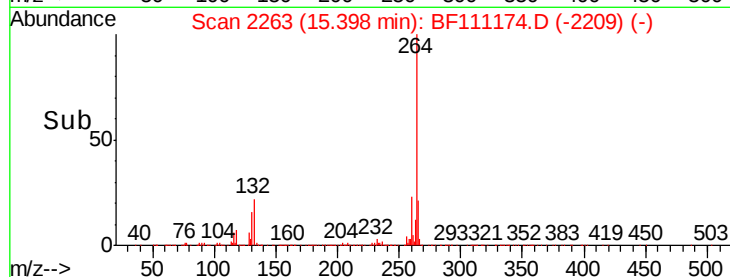
265 20.8 17.4 26.0



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: 7.466 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

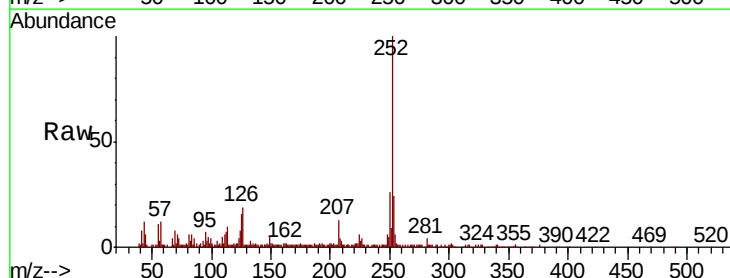
Tgt Ion:252 Resp: 201793

Ion Ratio Lower Upper

252 100

253 24.1 18.5 27.7

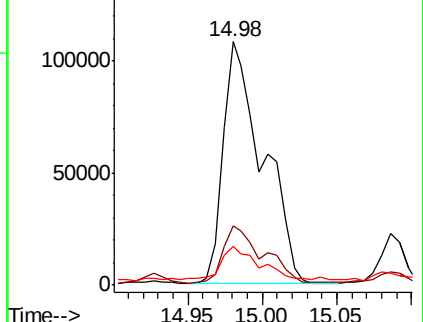
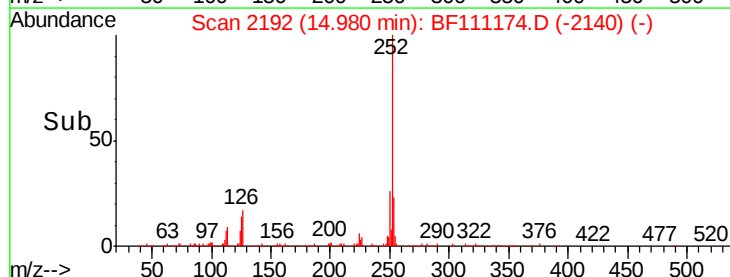
125 16.0 9.9 14.9#

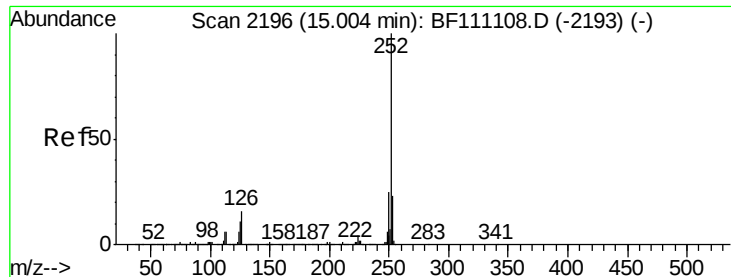


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

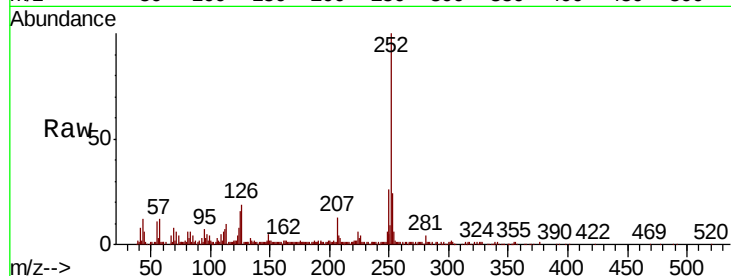




#89
Benzo(k)fluoranthene
Concen: 7.723 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	16.0	9.9	14.9#

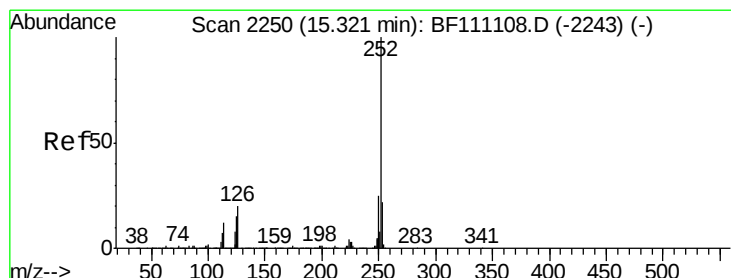
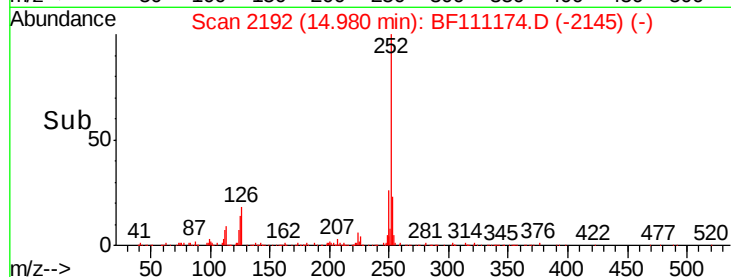
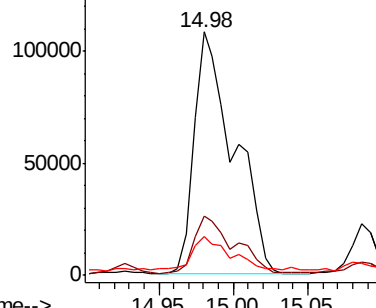


Abundance

Ion 252.00 (251.70 to 252.70): E

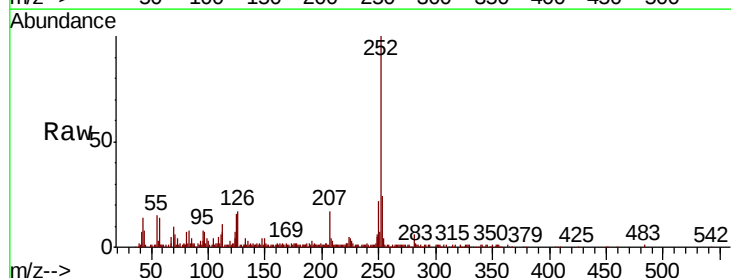
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.271 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	16.0	12.4	18.6

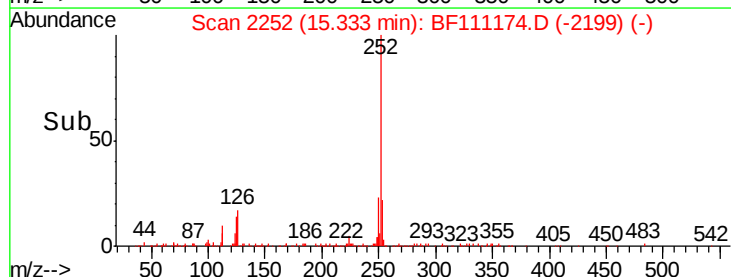
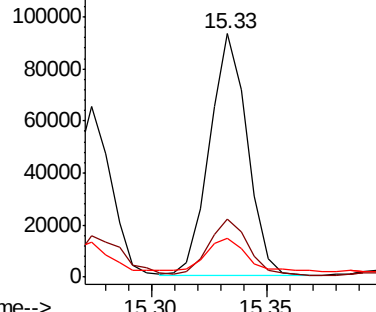


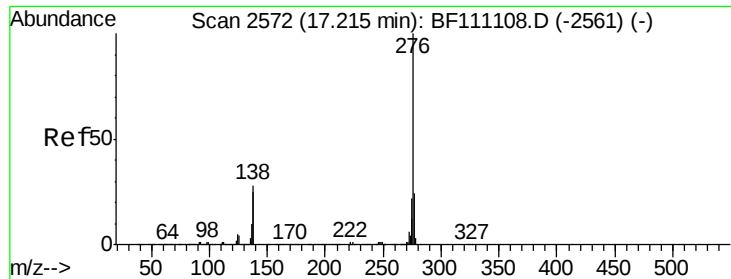
Abundance

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

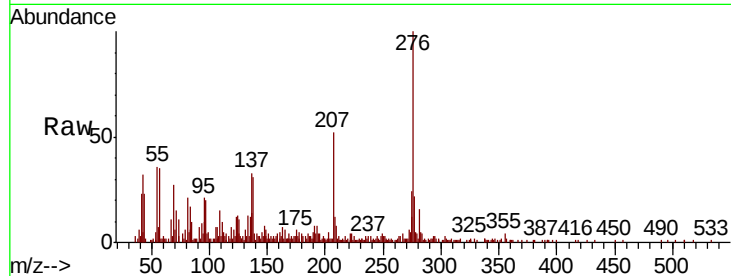




#92
 Benzo(a,h,i)perylene
 Concen: 3.272 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BF111174.D
 Acq: 7 Dec 2018 8:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.0	19.3	28.9
138	31.4	22.3	33.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

