

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111941.D
 Acq On : 9 Jan 2019 10:45
 Operator : JU/SJ
 Sample : K1066-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 11:18:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	200018	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	845417	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	459827	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	865039	20.00	ng	0.00
76) Chrysene-d12	14.05	240	578764	20.00	ng	0.00
87) Perylene-d12	15.54	264	467990	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1079611	92.34	ng	0.00
7) Phenol-d6	6.53	99	1392045	92.38	ng	0.00
23) Nitrobenzene-d5	7.45	82	915024	57.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	503679	84.21	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1771711	56.18	ng	0.00
79) Terphenyl-d14	13.00	244	1815336	59.54	ng	0.00

Target Compounds

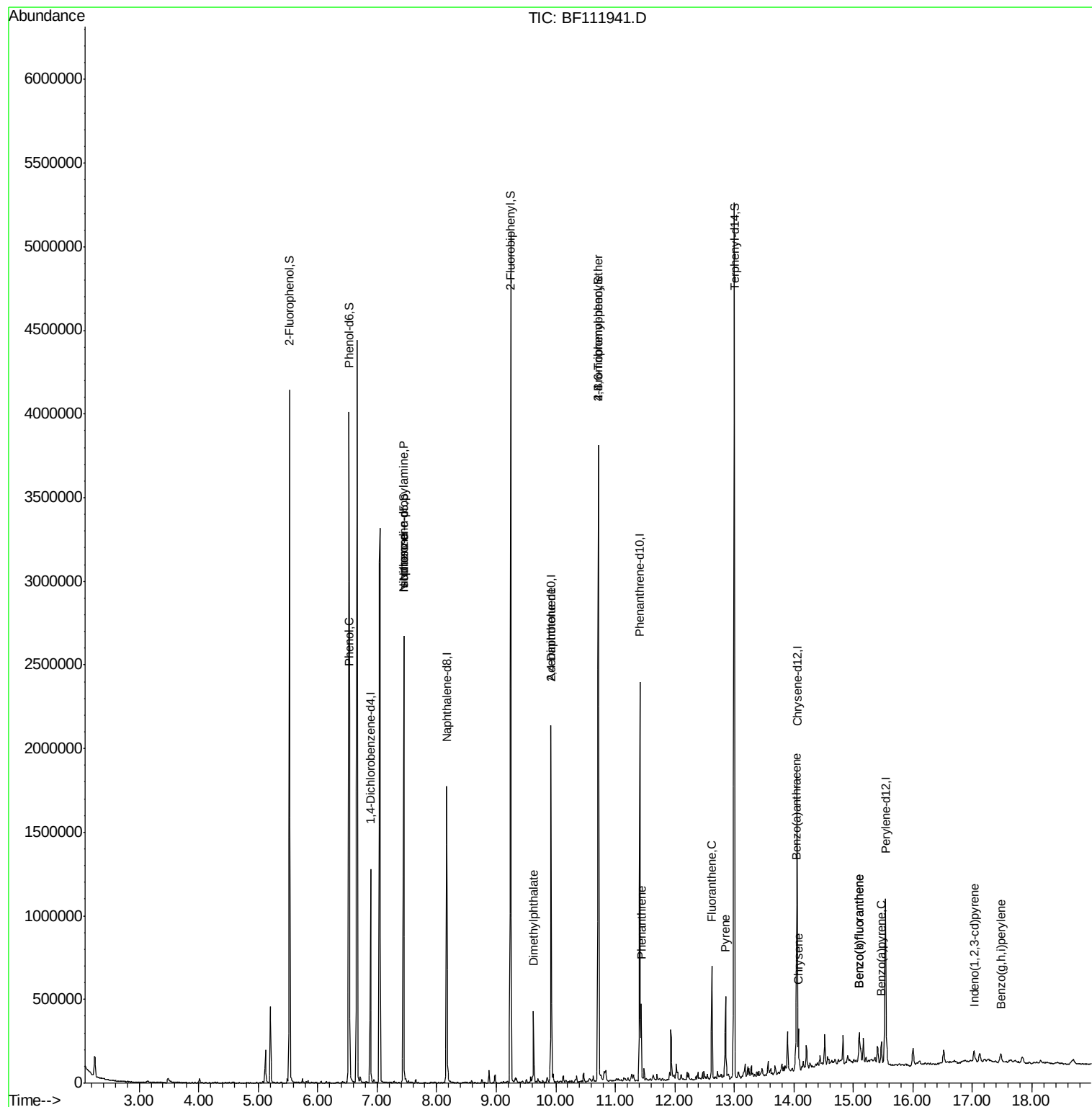
						Qvalue
9) Benzaldehyde	6.53	77	3147	Below Cal	#	1
10) Phenol	6.54	94	61134	3.733 ng	#	72
19) n-Nitroso-di-n-propylamine	7.45	70	122636	12.526 ng	#	76
25) Isophorone	7.45	82	906221	35.379 ng	#	65
50) Dimethylphthalate	9.63	163	185674	5.375 ng		99
57) 2,4-Dinitrotoluene	9.92	165	59914	6.003 ng	#	26
67) 4-Bromophenyl-phenylether	10.72	248	30005	2.678 ng	#	1
71) Phenanthrene	11.43	178	149972	3.243 ng		98
75) Fluoranthene	12.62	202	262791	5.535 ng		98
78) Pyrene	12.85	202	210541	5.287 ng		97
81) Benzo(a)anthracene	14.04	228	99025	2.973 ng		100
83) Chrysene	14.07	228	92559	2.914 ng		94
86) Indeno(1,2,3-cd)pyrene	17.03	276	48622	2.100 ng		94
88) Benzo(b)fluoranthene	15.10	252	133262	4.760 ng	#	93
89) Benzo(k)fluoranthene	15.10	252	133262	5.064 ng	#	95
90) Benzo(a)pyrene	15.47	252	62911	2.556 ng		97
92) Benzo(a,h,i)perylene	17.47	276	43748	2.259 ng		96

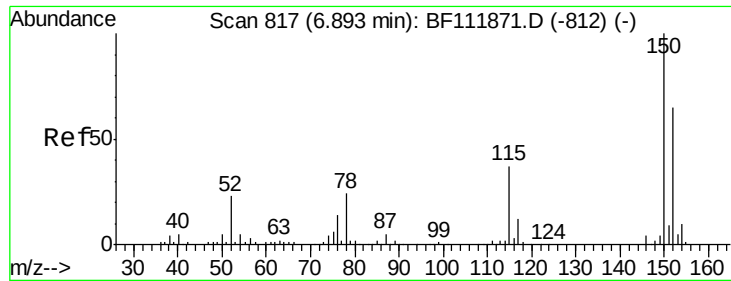
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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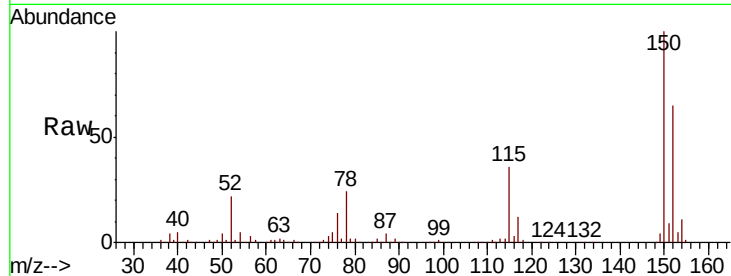


#1

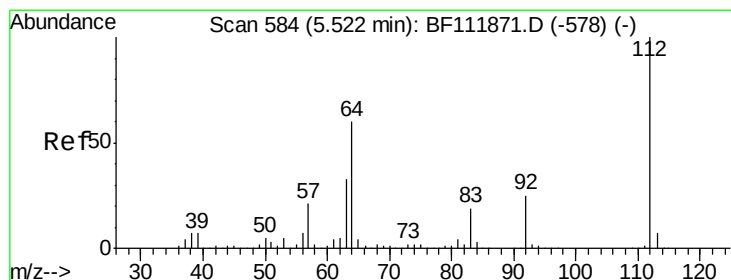
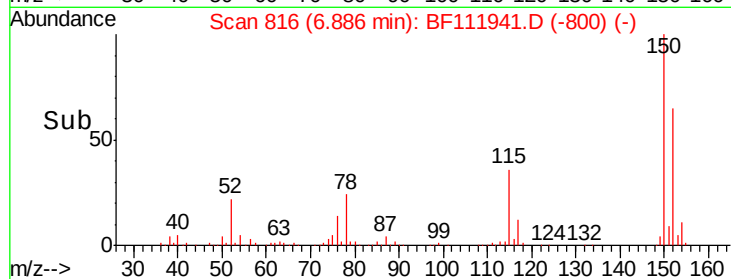
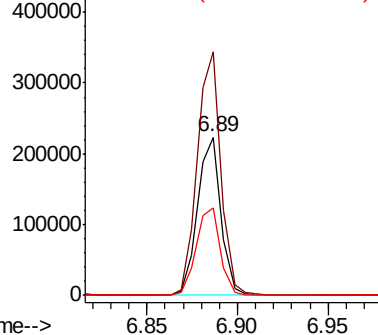
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 200018
Ion Ratio Lower Upper
152 100
150 154.0 122.7 184.1
115 55.1 45.2 67.8



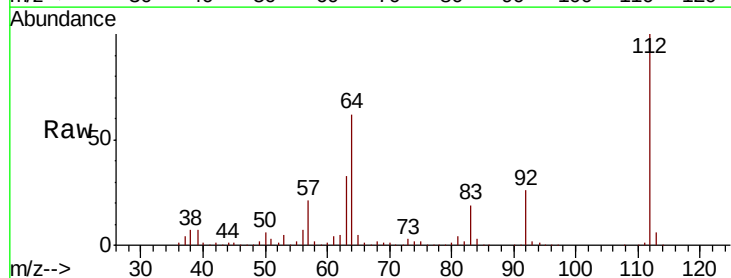
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



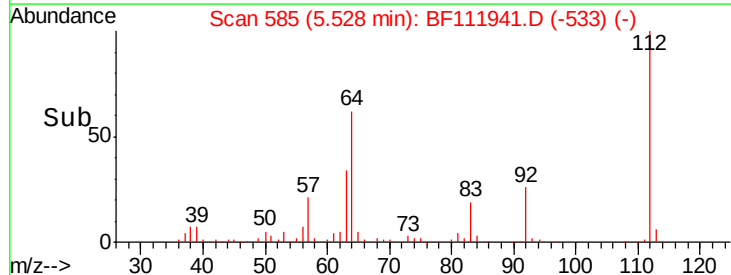
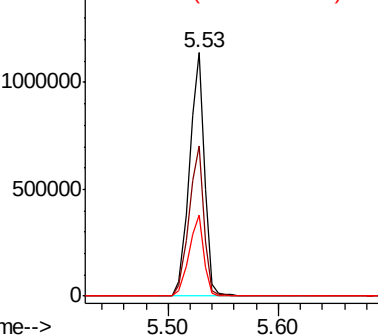
#5

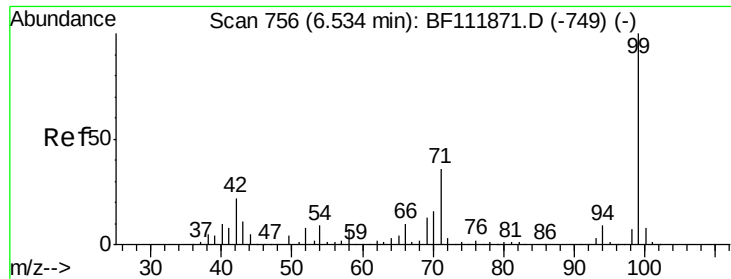
2-Fluorophenol
Concen: 92.342 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Tgt Ion:112 Resp: 1079611
Ion Ratio Lower Upper
112 100
64 61.6 48.3 72.5
63 33.5 26.1 39.1



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: 92.379 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

Instrument :

BNA_F

ClientSampleId :

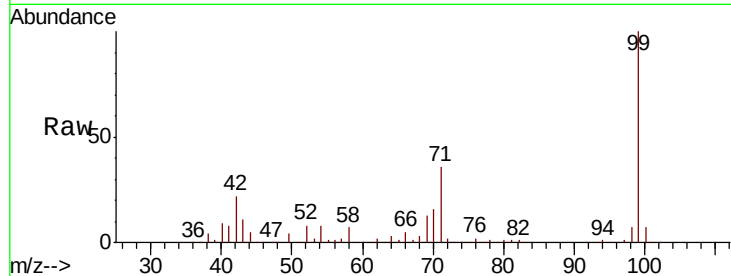
Tot Ion: 99 Resp: 1392045

Ion Ratio Lower Upper

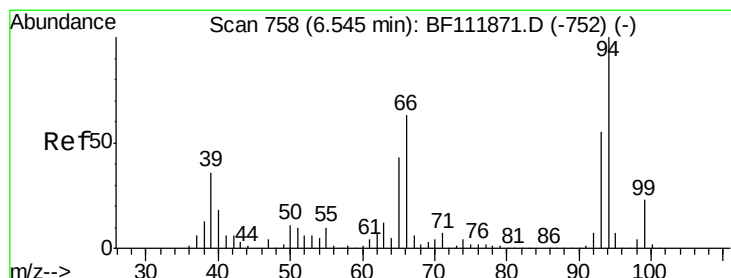
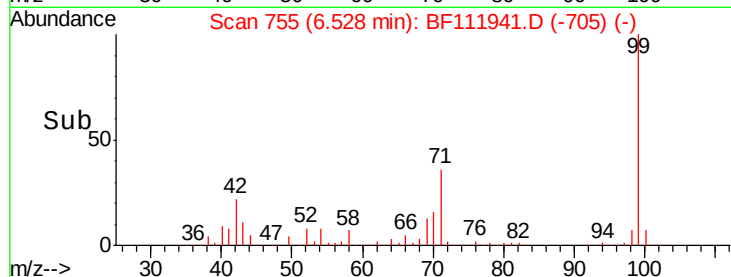
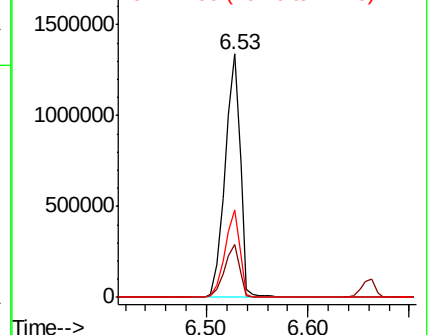
99 100

42 22.0 17.9 26.9

71 35.7 28.7 43.1



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: 3.733 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

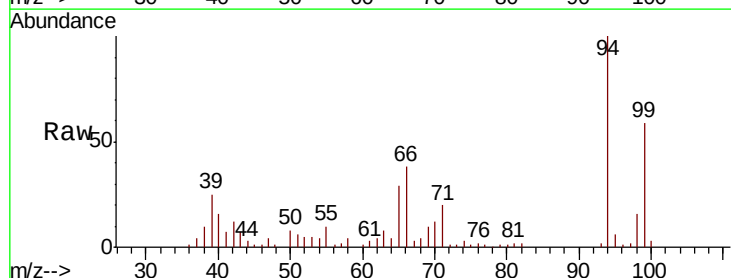
Tgt Ion: 94 Resp: 61134

Ion Ratio Lower Upper

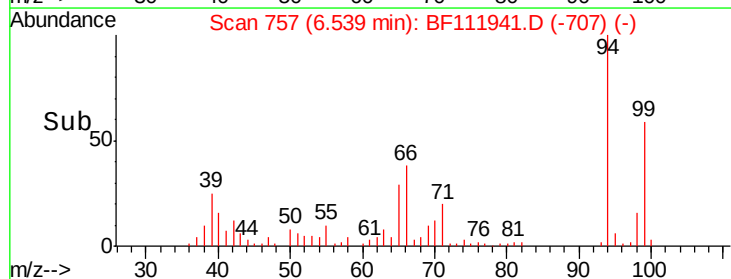
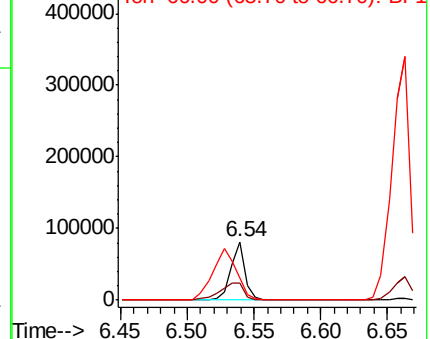
94 100

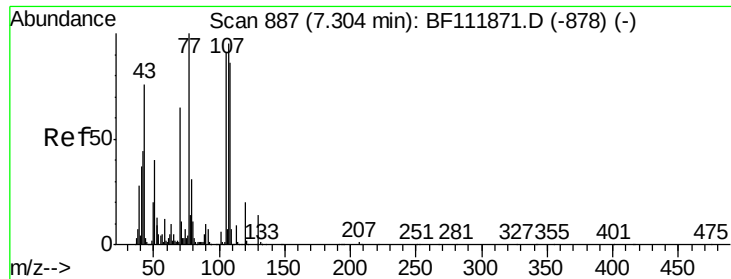
65 29.0 22.8 62.8

66 38.0 43.3 83.3#



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

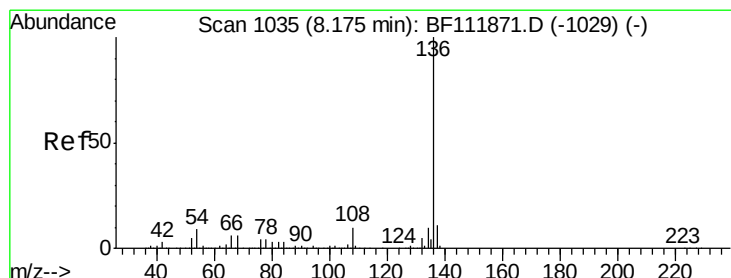
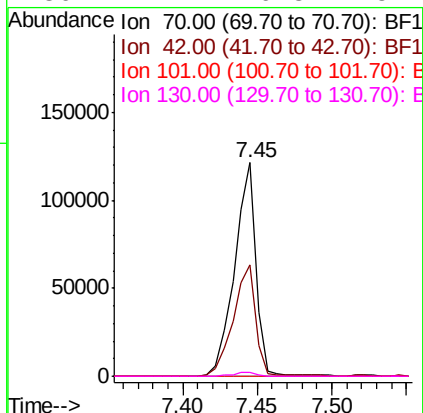
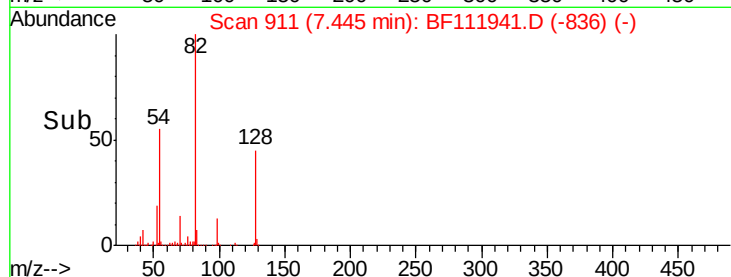
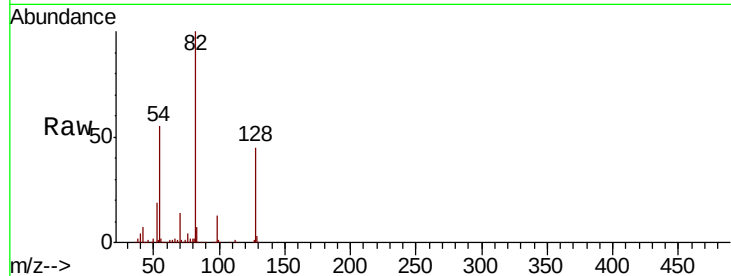




#19
n-Nitroso-di-n-propylamine
Concen: 12.526 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

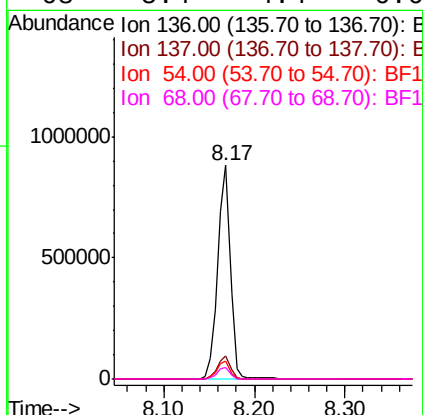
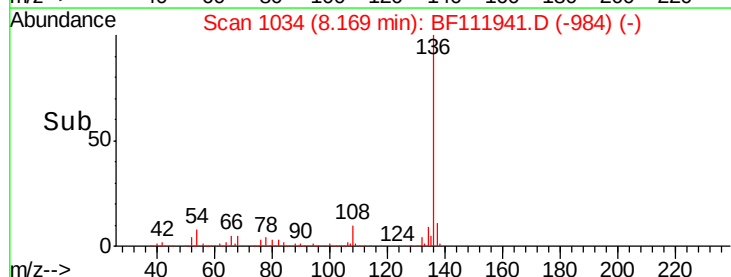
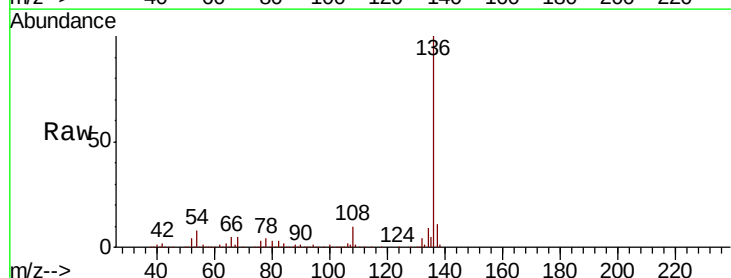
Instrument :
BNA_F
ClientSampleId :

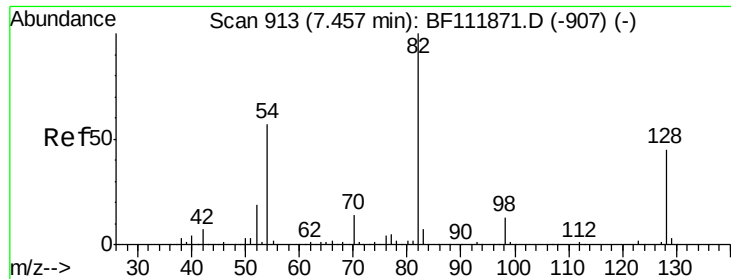
Tot Ion: 70 Resp: 122636
Ion Ratio Lower Upper
70 100
42 51.9 53.6 80.4#
101 0.0 7.3 10.9#
130 2.1 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Tgt Ion: 136 Resp: 845417
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.4 7.2 10.8
68 5.4 4.4 6.6

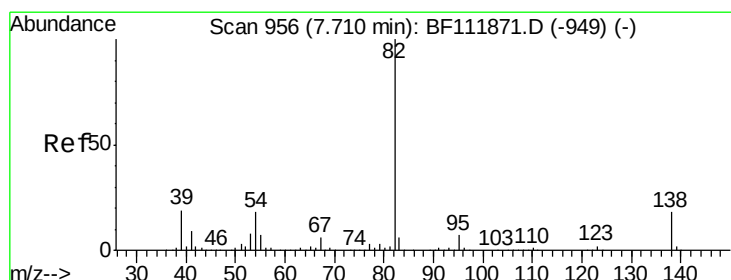
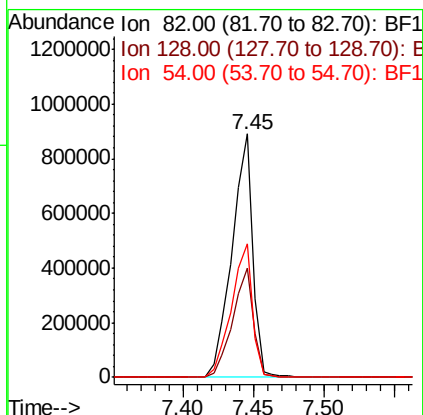
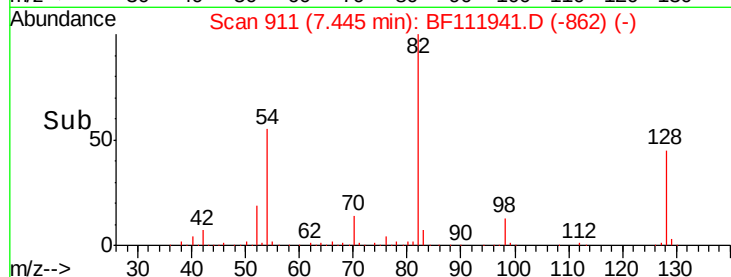
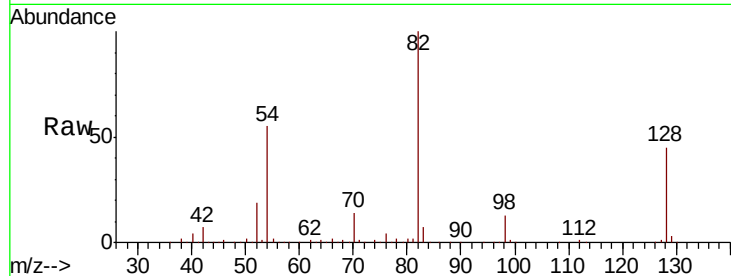




#23
Nitrobenzene-d5
Concen: 57.846 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

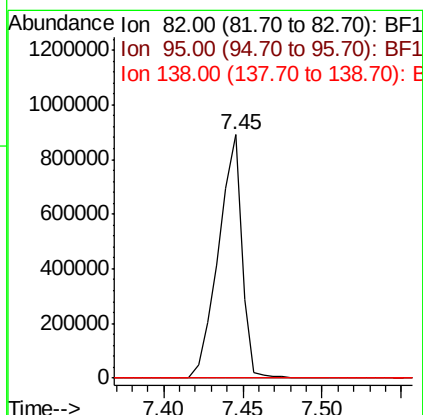
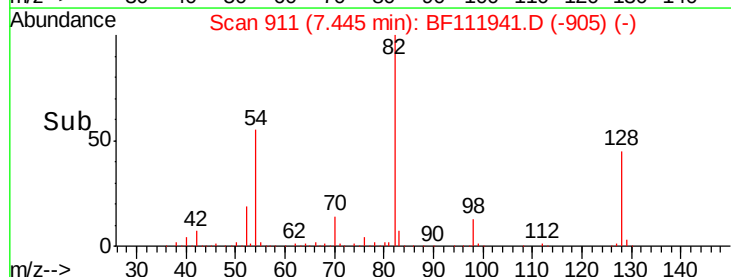
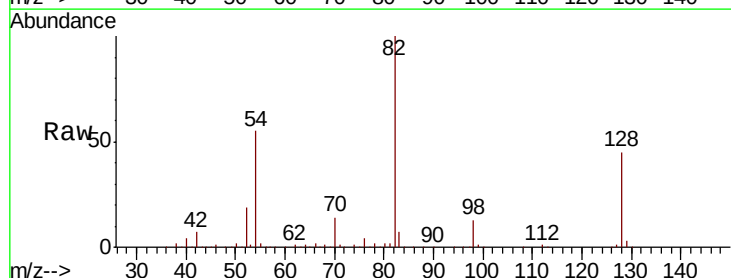
Instrument :
BNA_F
ClientSampled :

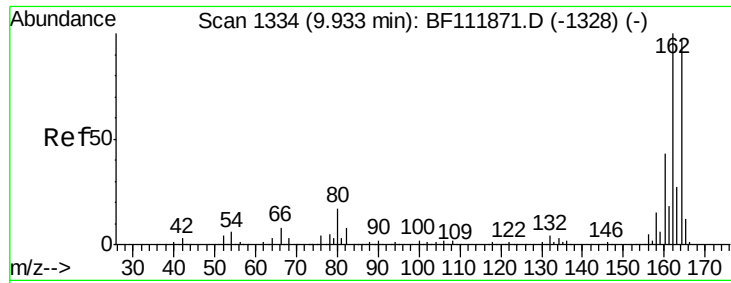
Tot Ion: 82 Resp: 915024
Ion Ratio Lower Upper
82 100
128 45.0 35.7 53.5
54 54.8 45.8 68.8



#25
Isophorone
Concen: 35.379 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Tgt Ion: 82 Resp: 906221
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.4 21.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

Instrument :

BNA_F

ClientSampleId :

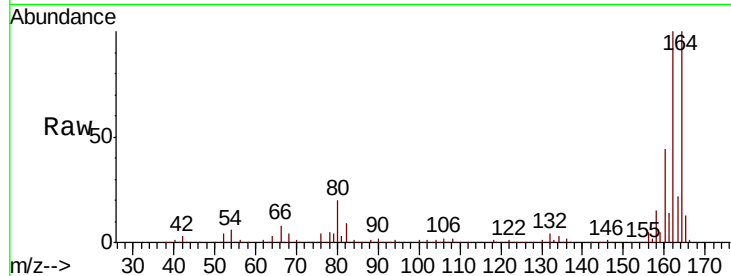
Tot Ion:164 Resp: 459827

Ion Ratio Lower Upper

164 100

162 100.2 82.2 123.2

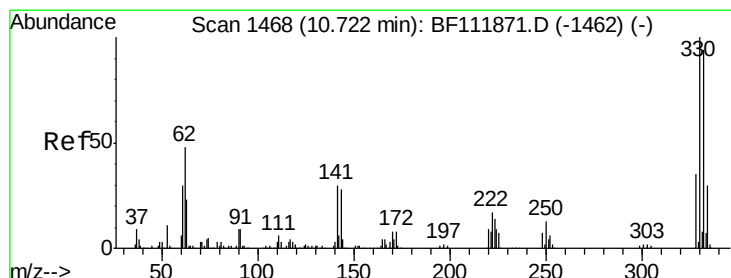
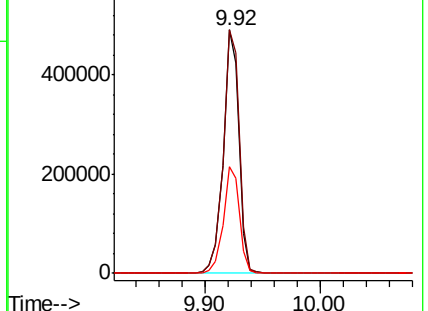
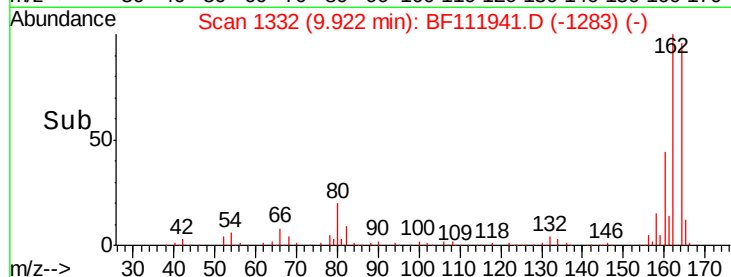
160 43.7 35.5 53.3



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: 84.214 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

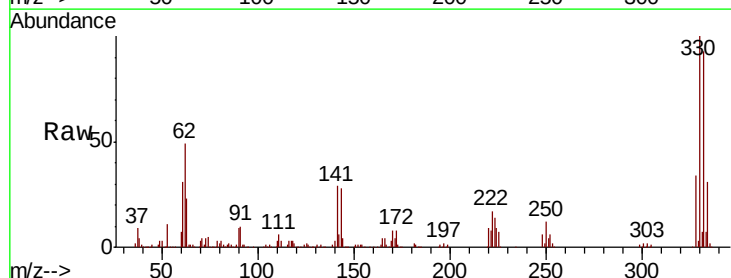
Tgt Ion:330 Resp: 503679

Ion Ratio Lower Upper

330 100

332 94.9 76.9 115.3

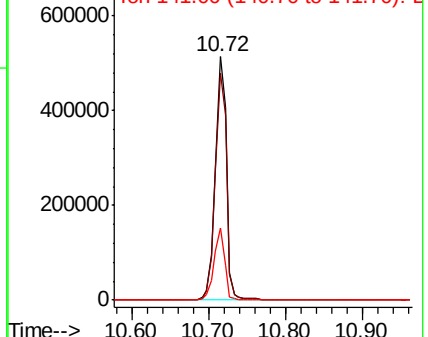
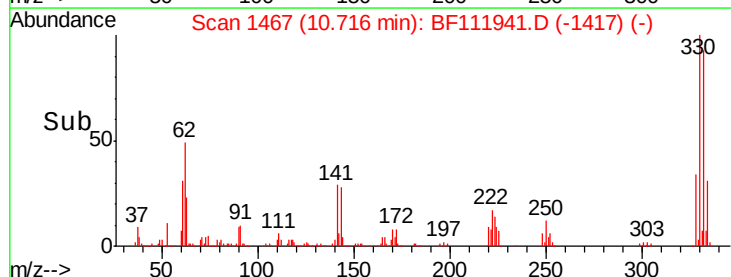
141 28.3 23.7 35.5

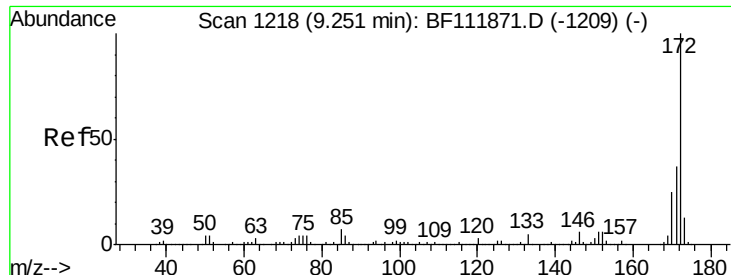


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

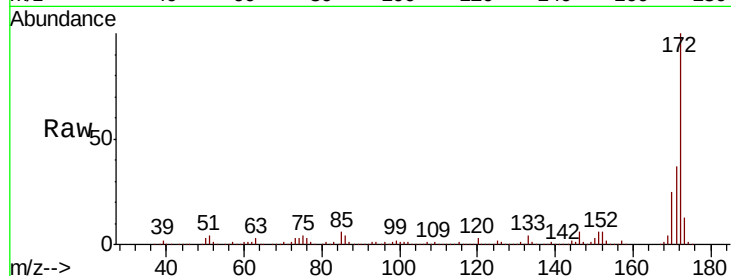




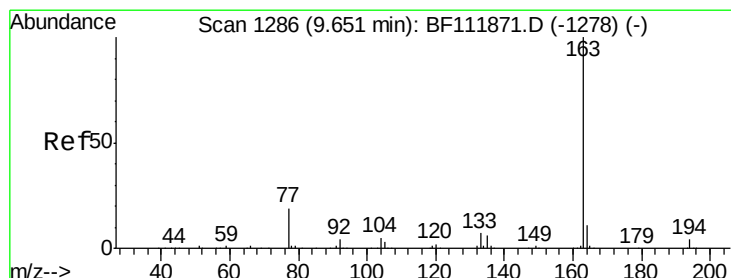
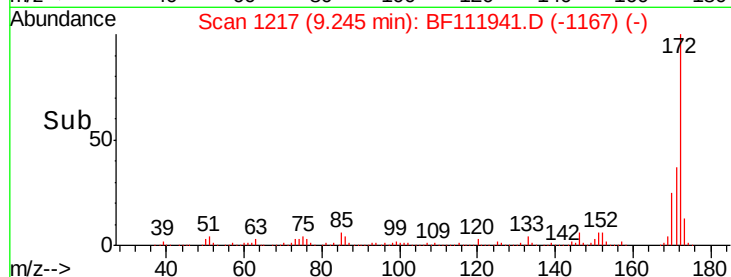
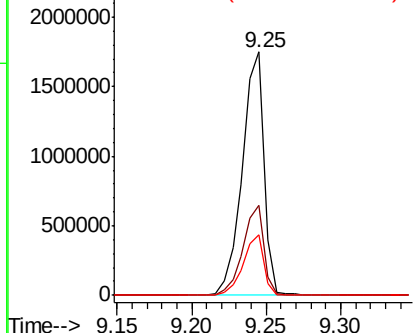
#45
2-Fluorobiphenyl
Concen: 56.184 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1771711
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 25.0 19.8 29.8

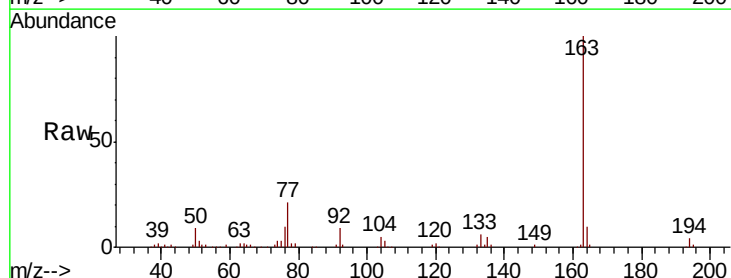


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

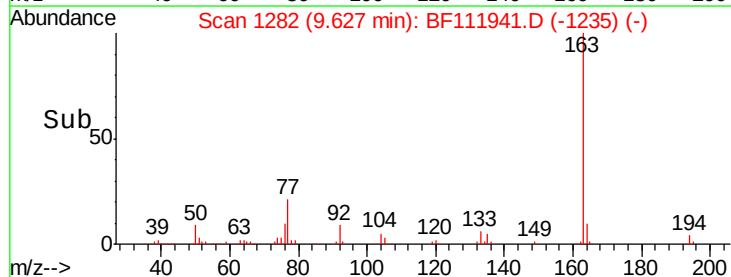
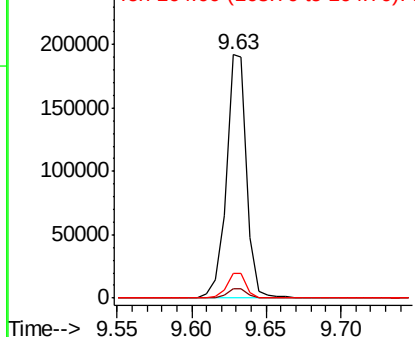


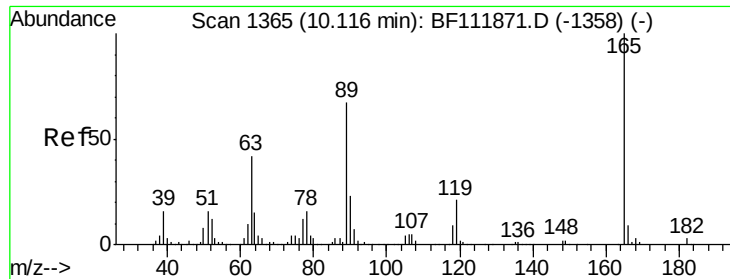
#50
Dimethylphthalate
Concen: 5.375 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Tgt Ion:163 Resp: 185674
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 10.3 8.5 12.7



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

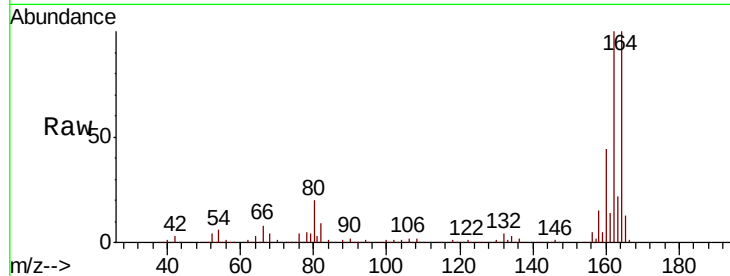




#57
 2,4-Dinitrotoluene
 Concen: 6.003 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF111941.D
 Acq: 9 Jan 2019 10:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.1	51.1#
89	1.2	53.5	80.3#
182	0.0	2.0	3.0#

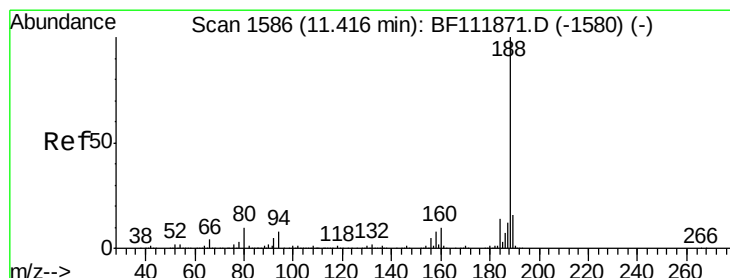
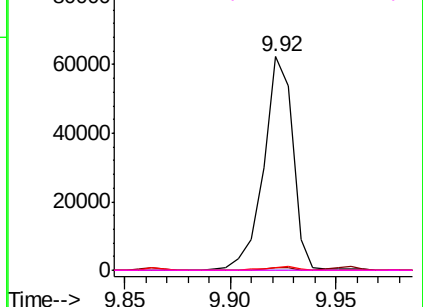
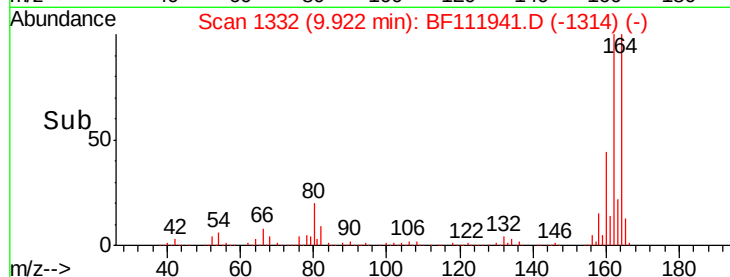


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

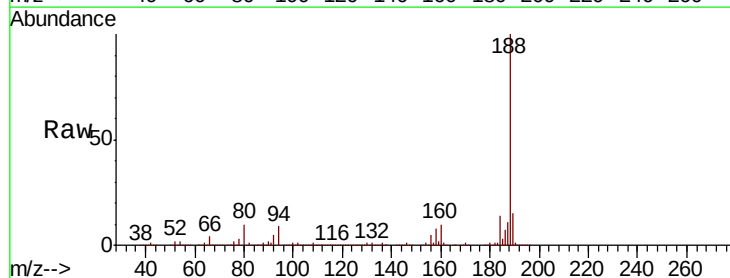
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111941.D
 Acq: 9 Jan 2019 10:45

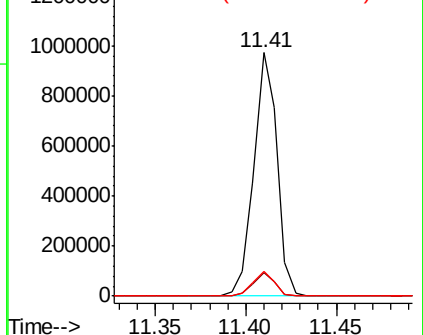
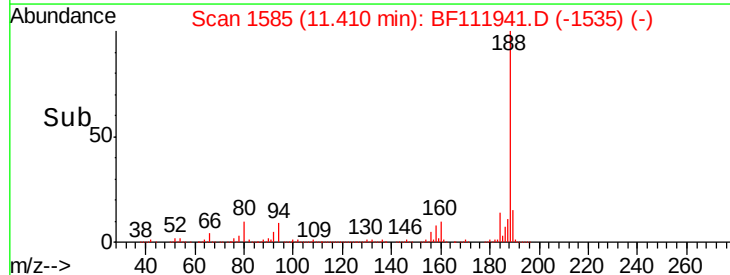
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.6	10.0
80	10.2	7.7	11.5

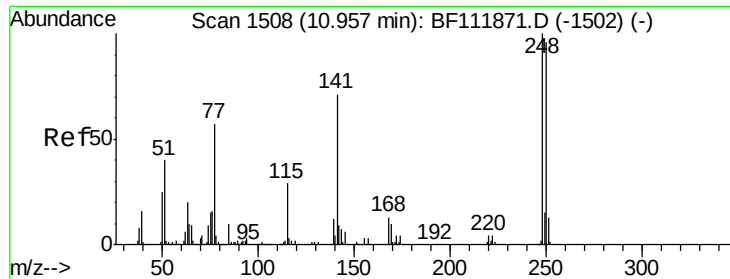


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

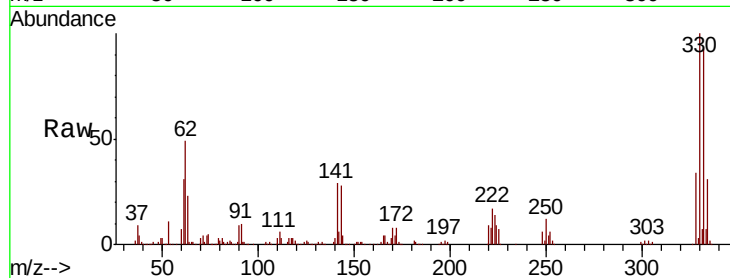




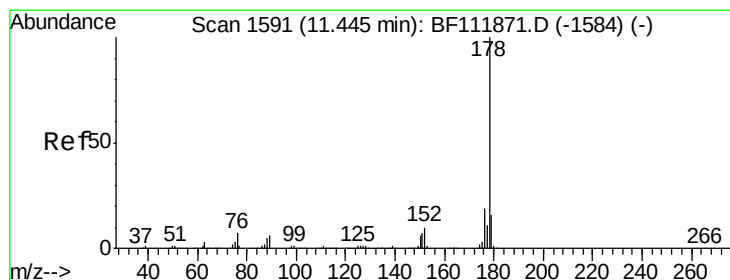
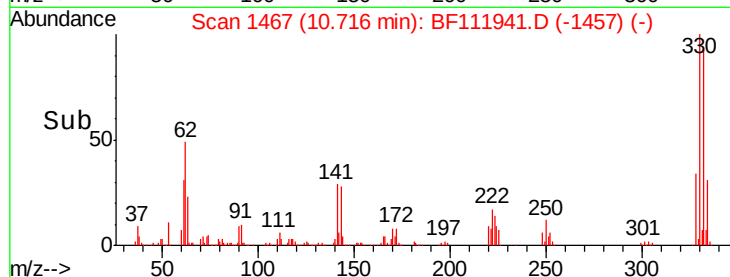
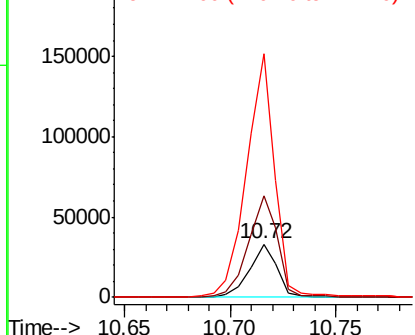
#67
4-Bromophenyl-phenylether
Concen: 2.678 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 30005
Ion Ratio Lower Upper
248 100
250 192.3 76.8 115.2#
141 460.4 57.0 85.6#

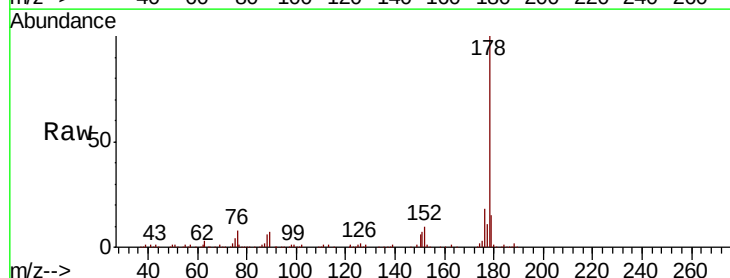


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

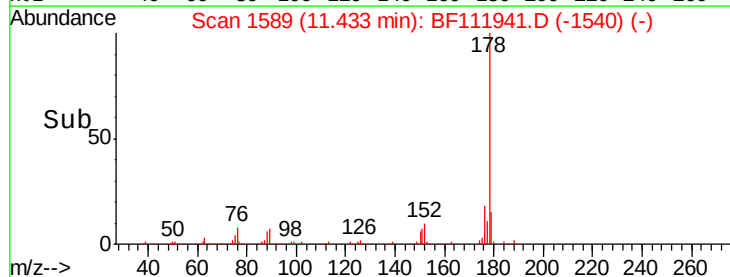
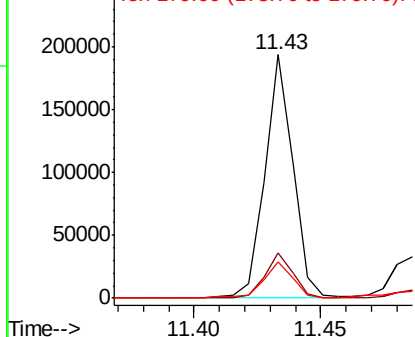


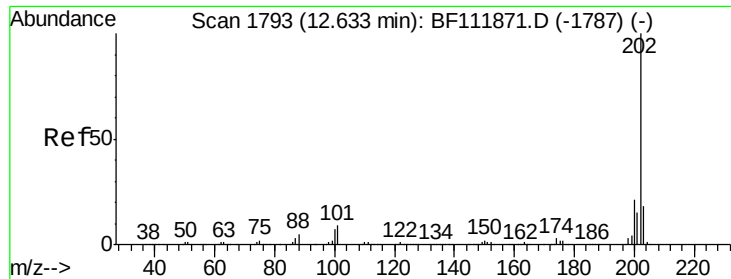
#71
Phenanthrene
Concen: 3.243 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Tgt Ion:178 Resp: 149972
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 14.9 12.6 18.8



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: 5.535 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

Instrument :

BNA_F

ClientSampleId :

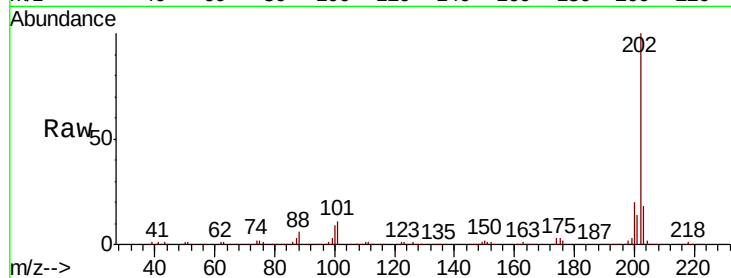
Tot Ion:202 Resp: 262791

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.3

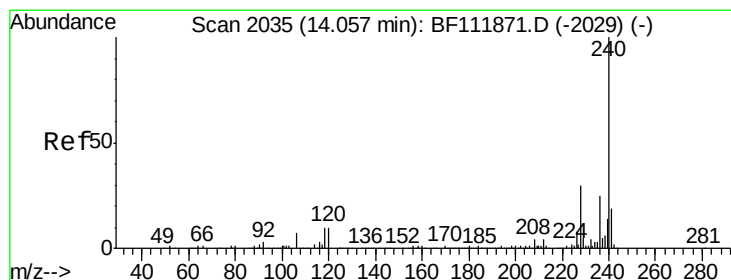
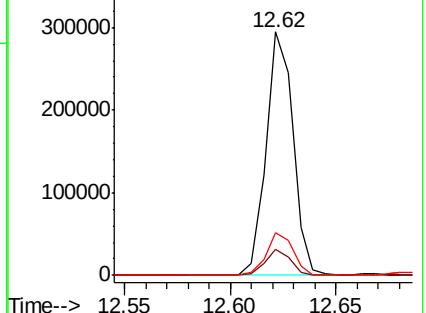
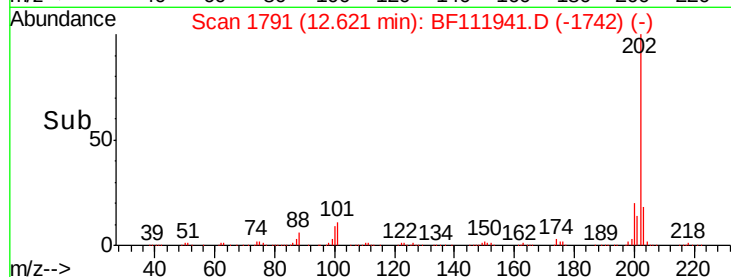
203 17.8 0.0 37.6



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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

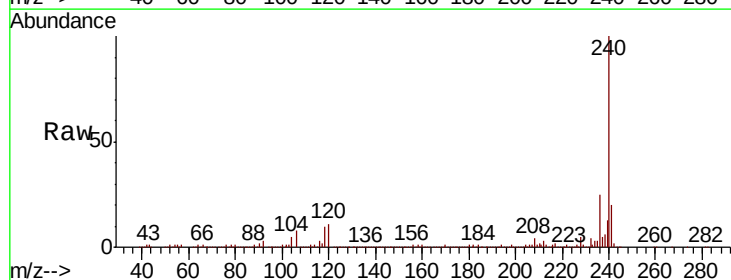
Tgt Ion:240 Resp: 578764

Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

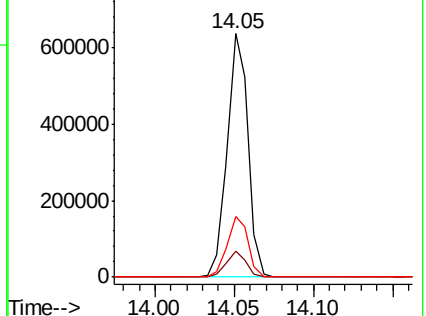
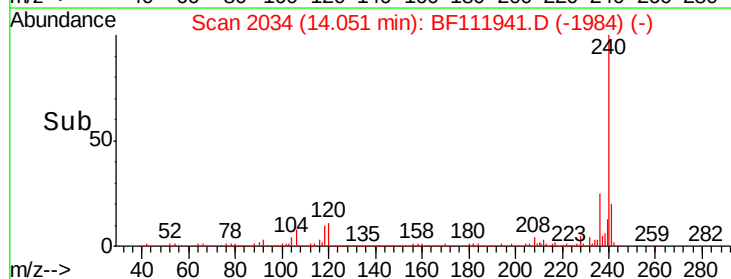
236 24.9 20.2 30.4

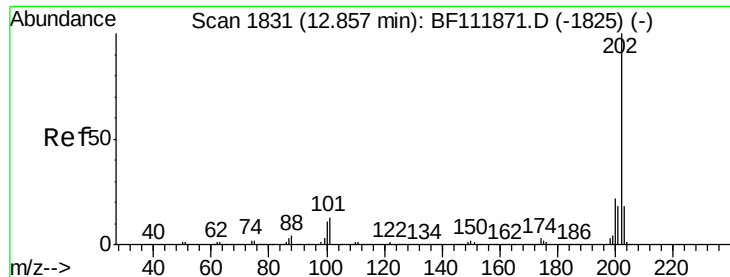


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.287 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

Instrument :

BNA_F

ClientSampleId :

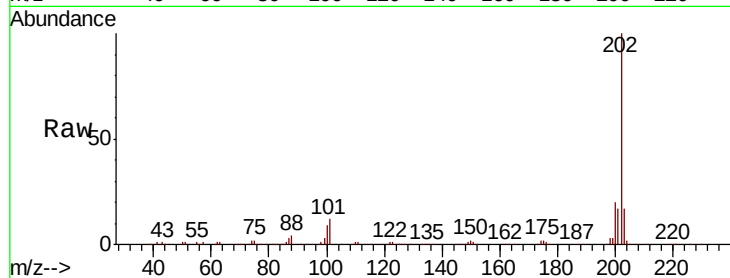
Tot Ion:202 Resp: 210541

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

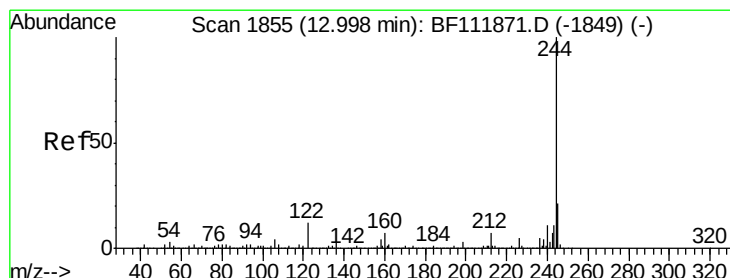
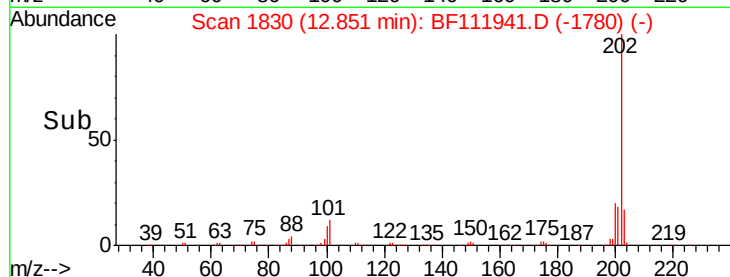
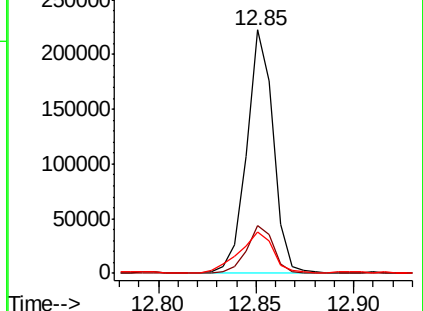
203 17.2 14.6 21.8



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: 59.539 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

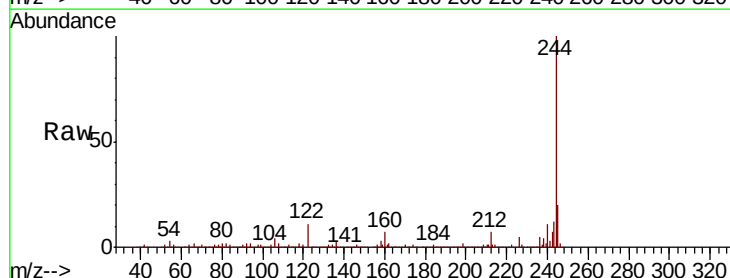
Tgt Ion:244 Resp: 1815336

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

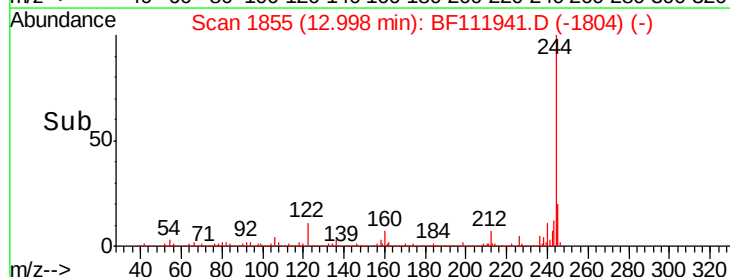
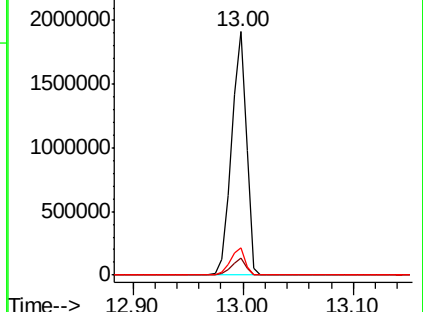
122 11.1 9.5 14.3

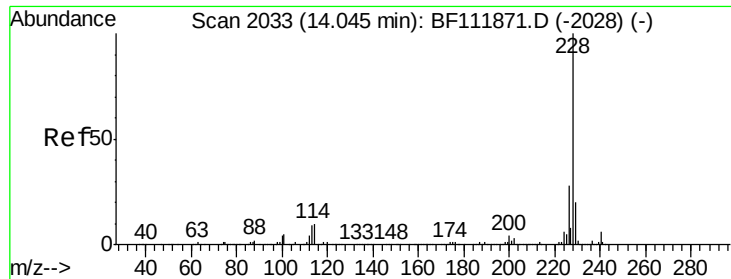


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.973 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

Instrument :

BNA_F

ClientSampleId :

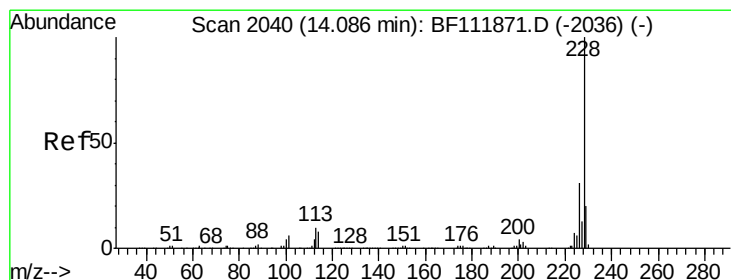
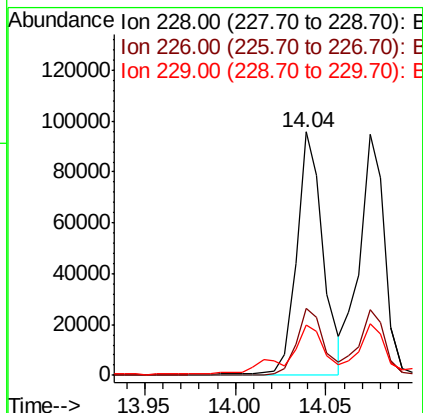
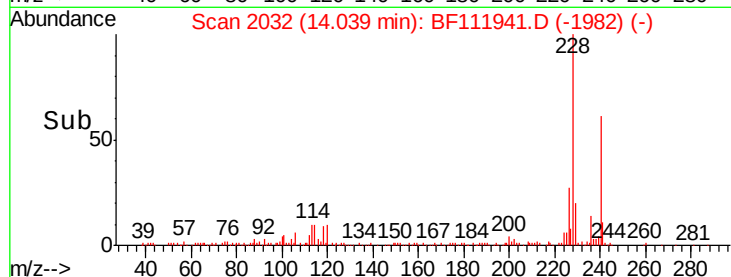
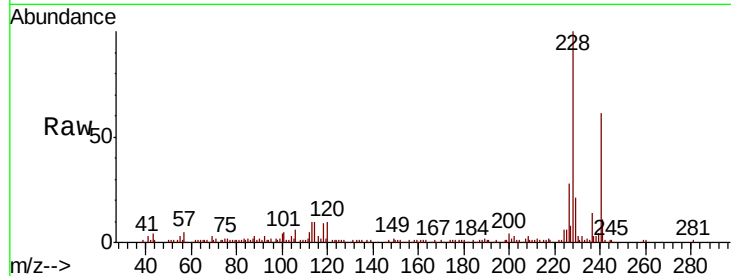
Tot Ion:228 Resp: 99025

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

229 20.6 16.2 24.2



#83

Chrysene

Concen: 2.914 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

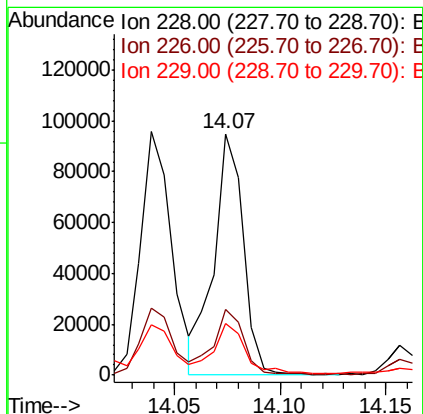
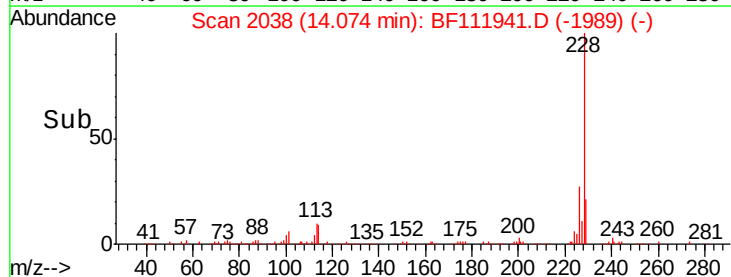
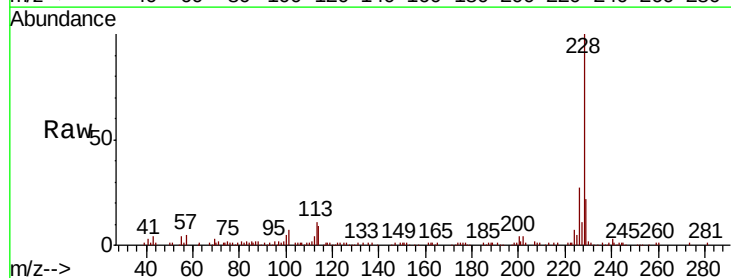
Tgt Ion:228 Resp: 92559

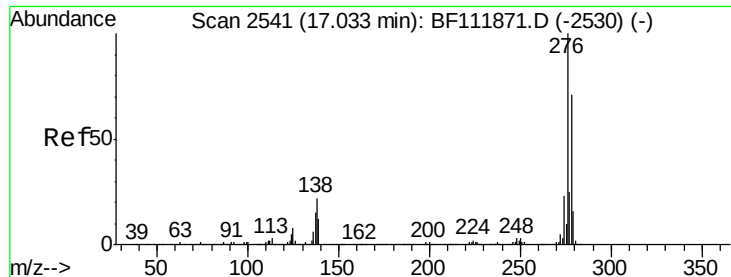
Ion Ratio Lower Upper

228 100

226 27.3 24.6 37.0

229 21.7 15.7 23.5

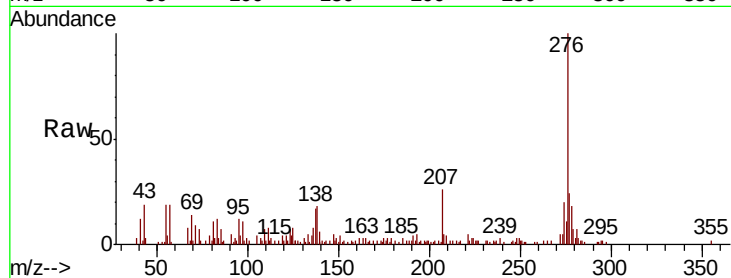




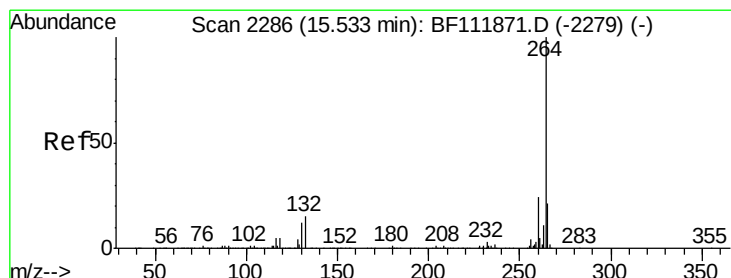
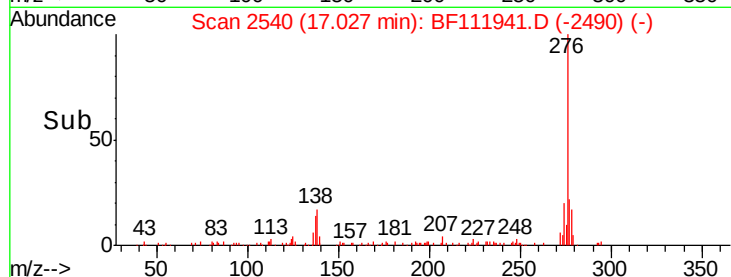
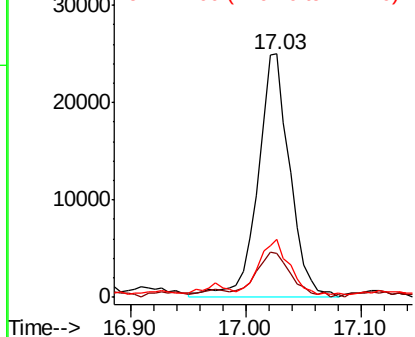
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.100 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. -0.01 min
 Lab File: BF111941.D
 Acq: 9 Jan 2019 10:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.1	27.1
277	21.1	19.9	29.9

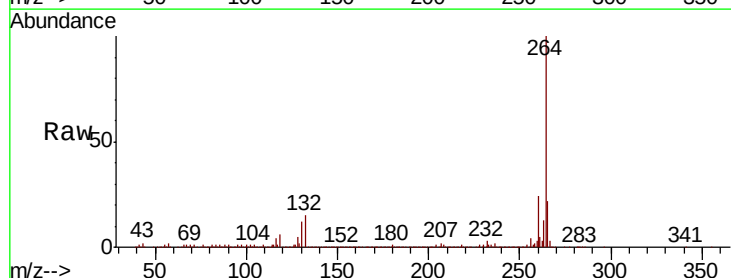


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

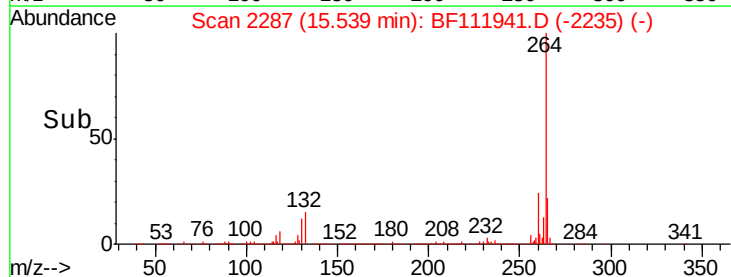
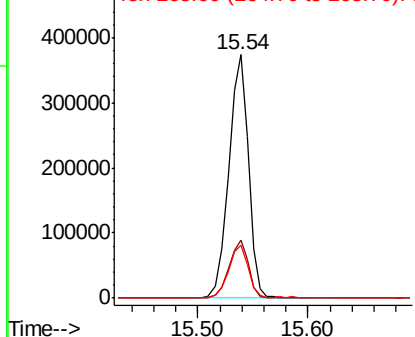


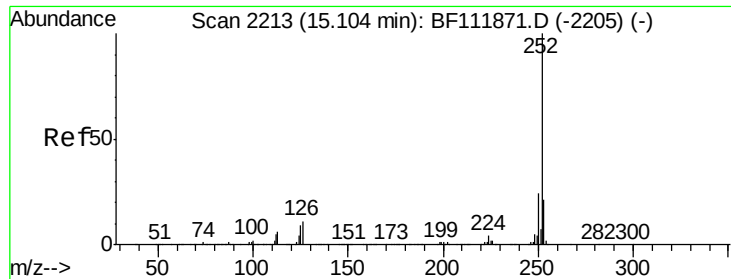
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF111941.D
 Acq: 9 Jan 2019 10:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

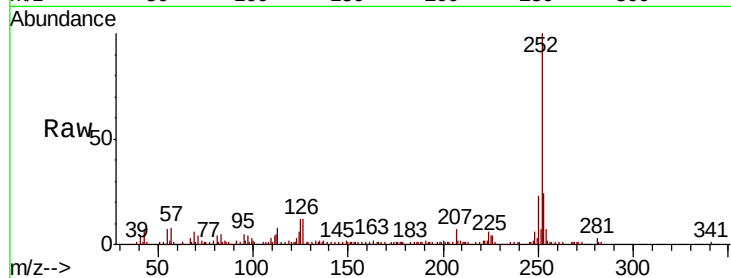




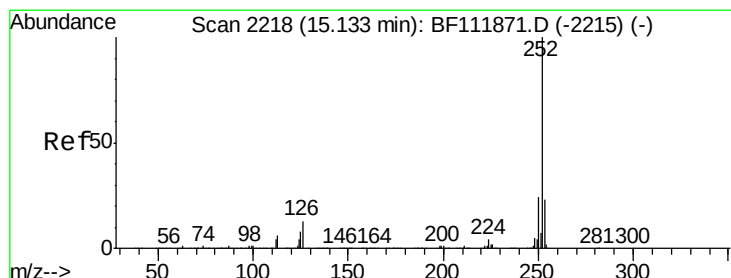
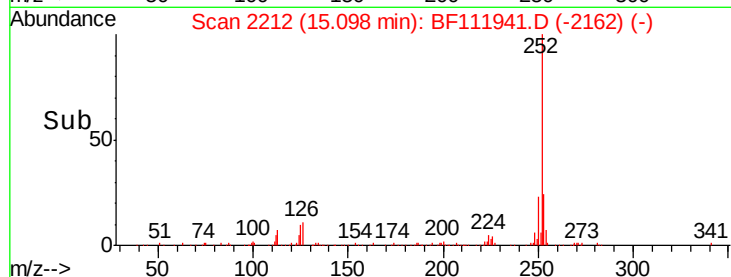
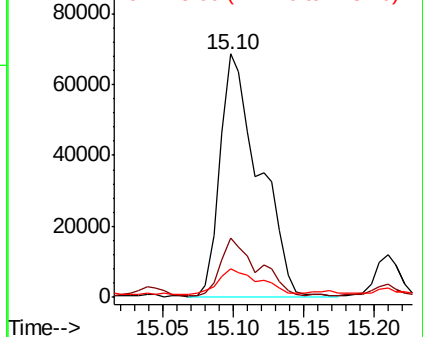
#88
Benzo(b)fluoranthene
Concen: 4.760 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 133262
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 11.6 7.1 10.7#

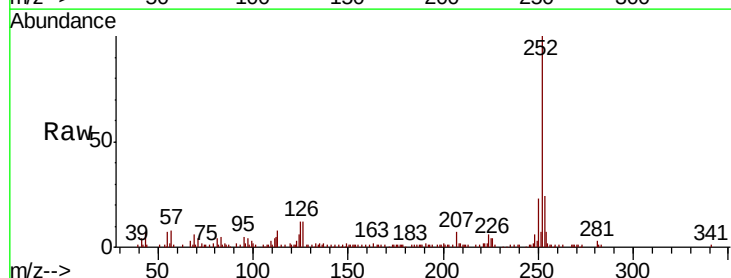


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

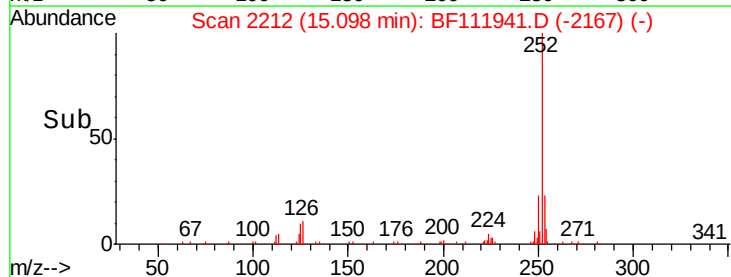
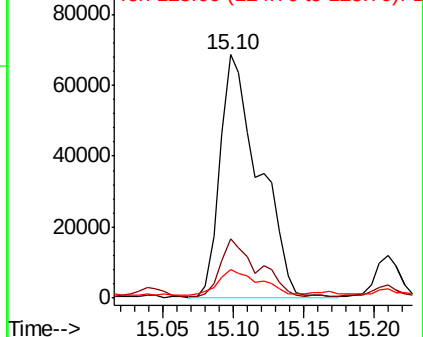


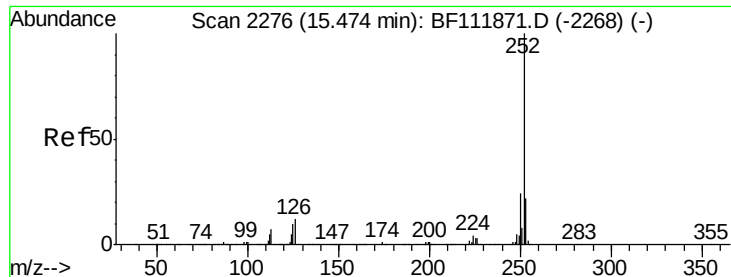
#89
Benzo(k)fluoranthene
Concen: 5.064 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF111941.D
Acq: 9 Jan 2019 10:45

Tgt Ion:252 Resp: 133262
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 11.6 7.0 10.4#



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





#90

Benzo(a)pyrene

Concen: 2.556 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

Instrument :

BNA_F

ClientSampleId :

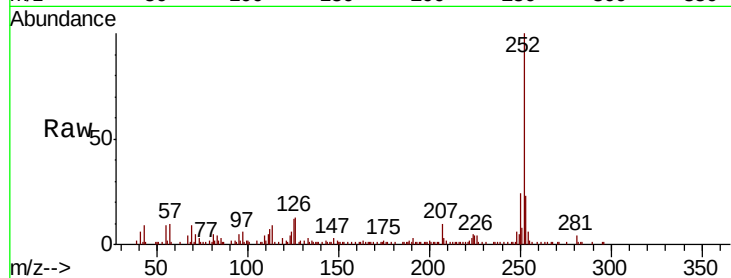
Tot Ion:252 Resp: 62911

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

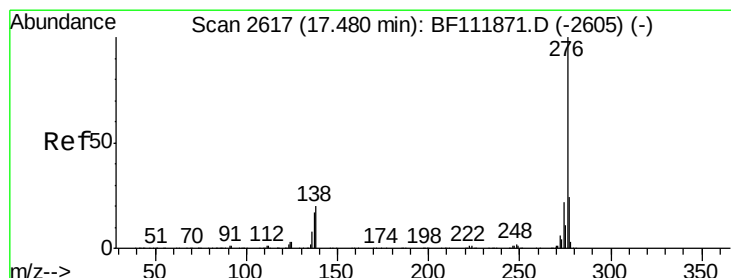
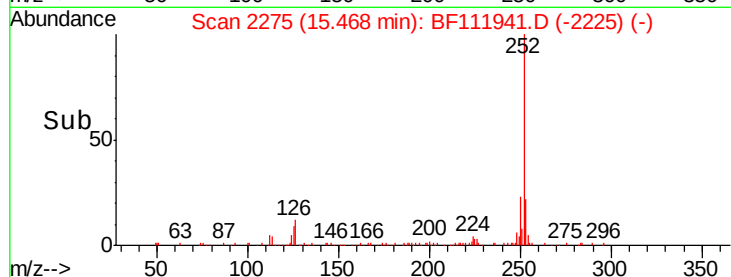
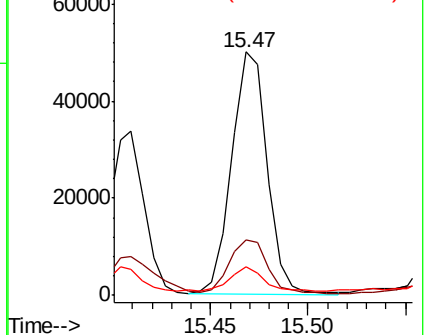
125 11.8 7.9 11.9



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



#92

Benzo(g,h,i)perylene

Concen: 2.259 ng

RT: 17.47 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BF111941.D

Acq: 9 Jan 2019 10:45

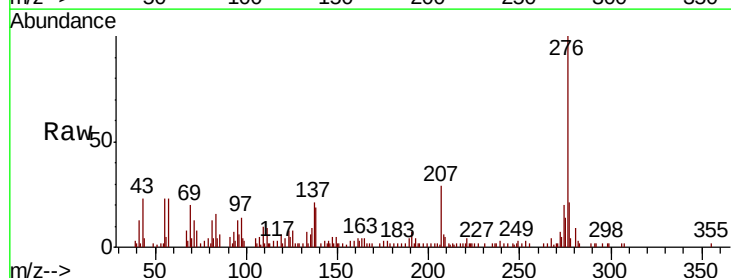
Tgt Ion:276 Resp: 43748

Ion Ratio Lower Upper

276 100

277 21.0 19.0 28.6

138 19.4 16.2 24.2



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

