

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110299.D
 Acq On : 30 Oct 2018 13:33
 Operator : JU/SJ
 Sample : J5204-09DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 14:55:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	133281	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	560484	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	255338	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	413787	20.00	ng	0.00
76) Chrysene-d12	14.16	240	260414	20.00	ng	0.00
87) Perylene-d12	15.69	264	244395	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	113014	13.81	ng	0.00
7) Phenol-d6	6.58	99	153485	14.66	ng	-0.01
23) Nitrobenzene-d5	7.53	82	91989	9.73	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	31784	12.57	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	192759	11.85	ng	0.00
79) Terphenyl-d14	13.09	244	139599	11.15	ng	0.00

Target Compounds

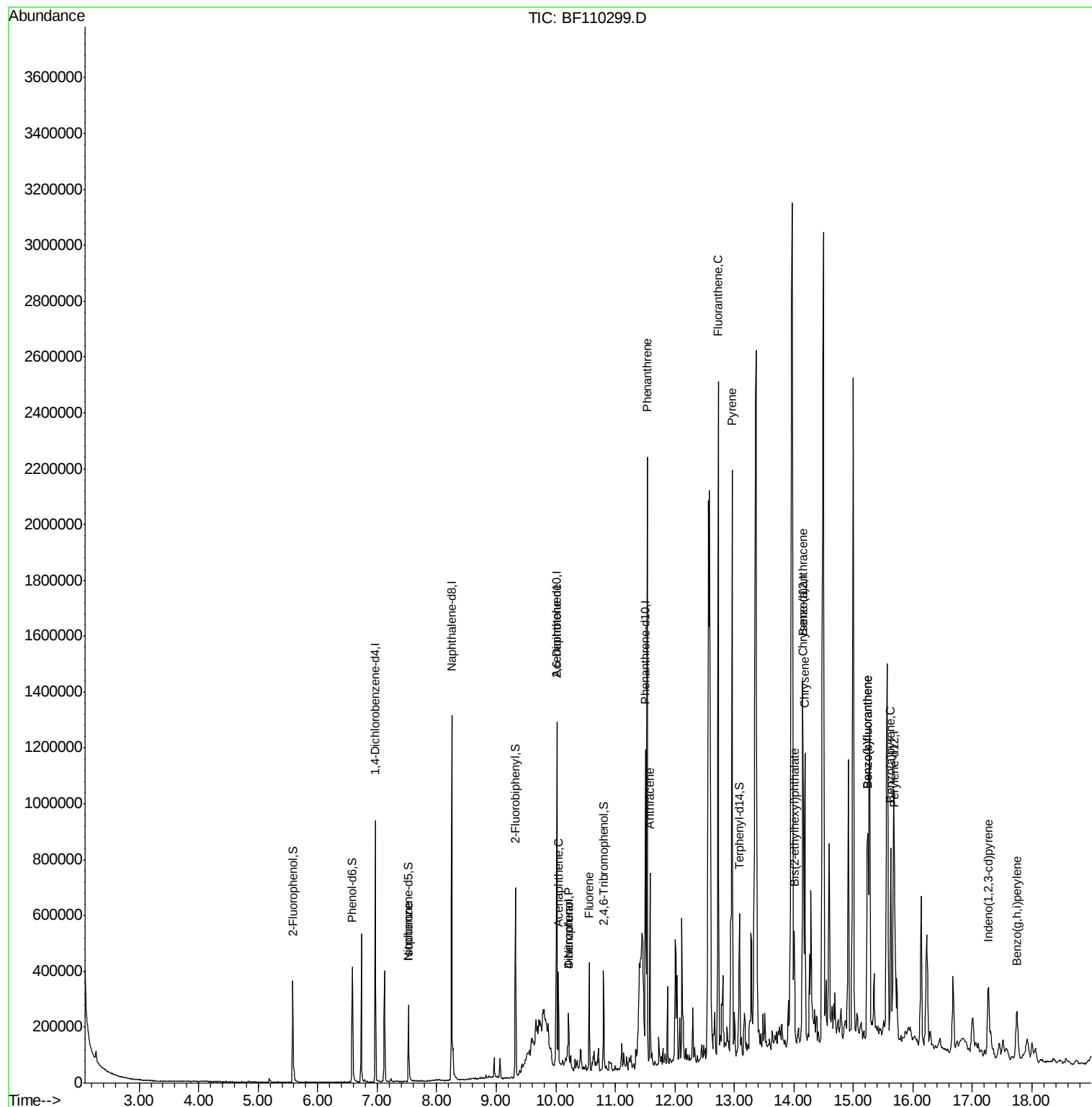
						Qvalue
9) Benzaldehyde	6.73	77	3118	Below Cal		83
25) Isophorone	7.53	82	91987	5.711 ng	#	67
51) 2,6-Dinitrotoluene	10.01	165	34791	8.569 ng	#	23
52) Acenaphthene	10.05	154	64734	4.000 ng		98
55) Dibenzofuran	10.22	168	60542	2.672 ng		98
56) 4-Nitrophenol	10.22	139	24040	6.728 ng	#	7
58) Fluorene	10.56	166	105688	6.267 ng		97
71) Phenanthrene	11.53	178	754426	34.844 ng		100
72) Anthracene	11.59	178	272366	12.550 ng		97
75) Fluoranthene	12.73	202	1018033	46.330 ng		99
77) Benzidine	12.86	184	125	Below Cal	#	1
78) Pylene	12.96	202	853259	45.704 ng		99
81) Benzo(a)anthracene	14.15	228	422374	27.350 ng		98
83) Chrysene	14.19	228	364276	24.835 ng		98
84) Bis(2-ethylhexyl)phthalate	14.01	149	119655	10.923 ng	#	56
86) Indeno(1,2,3-cd)pyrene	17.26	276	165029	13.562 ng		98
88) Benzo(b)fluoranthene	15.24	252	577520	40.921 ng		97
89) Benzo(k)fluoranthene	15.24	252	577520	41.625 ng	#	96
90) Benzo(a)pyrene	15.63	252	324370	24.978 ng		99
92) Benzo(a,h,i)perylene	17.74	276	145812	13.206 ng		97

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

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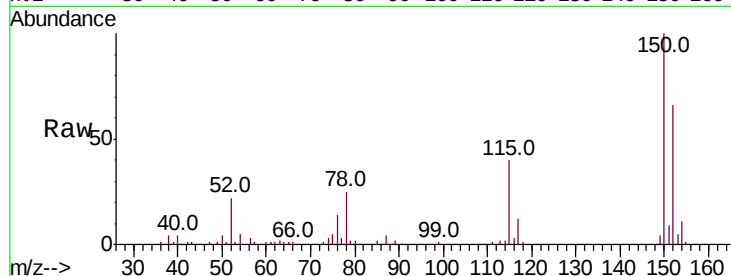


#1

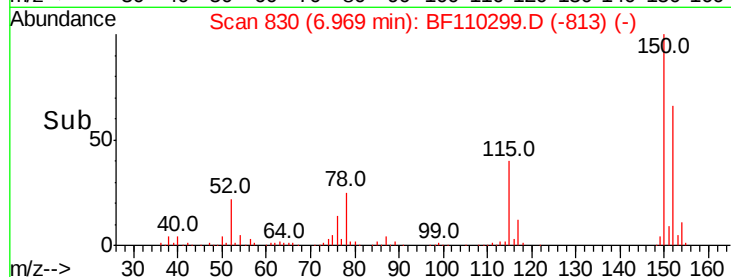
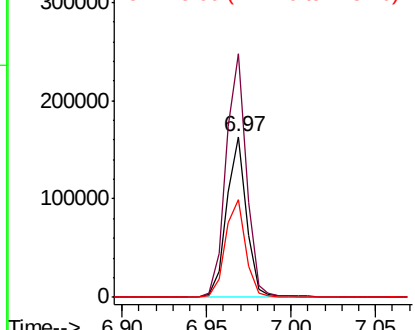
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133281
Ion Ratio Lower Upper
152 100
150 151.8 122.7 184.1
115 60.7 49.1 73.7



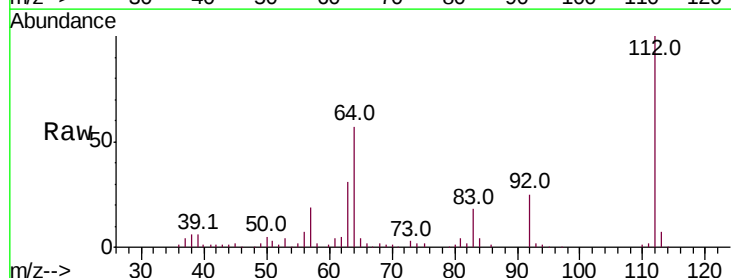
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



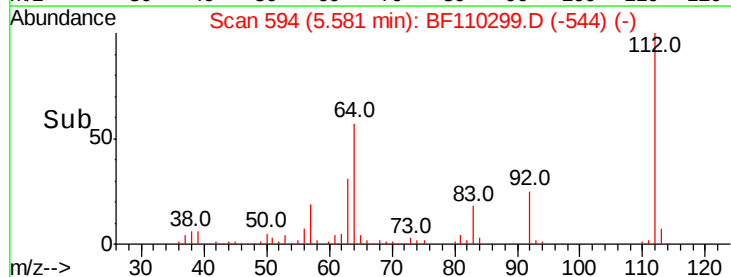
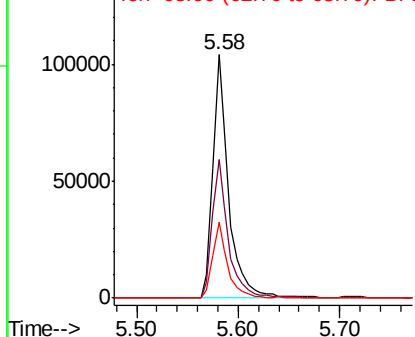
#5

2-Fluorophenol
Concen: 13.808 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion:112 Resp: 113014
Ion Ratio Lower Upper
112 100
64 56.7 44.1 66.1
63 31.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 14.661 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampleId :

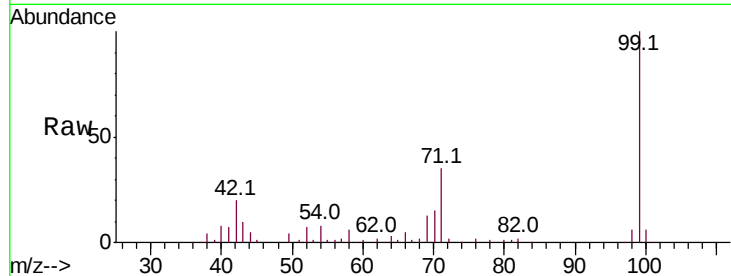
Tot Ion: 99 Resp: 153485

Ion Ratio Lower Upper

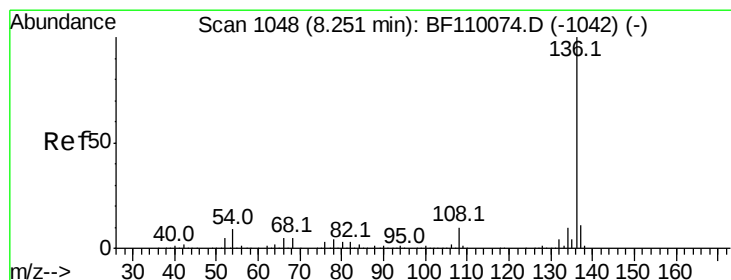
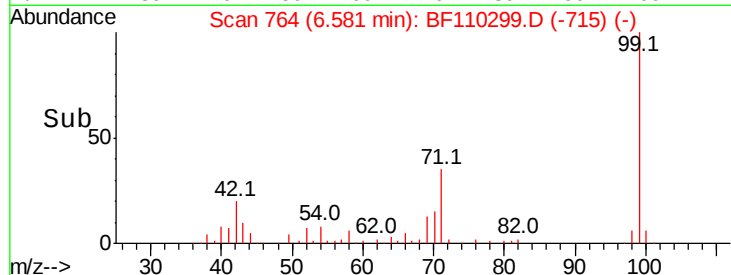
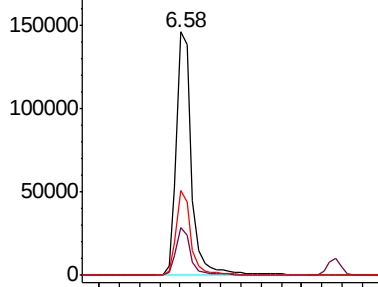
99 100

42 19.5 15.8 23.6

71 34.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Tgt Ion: 136 Resp: 560484

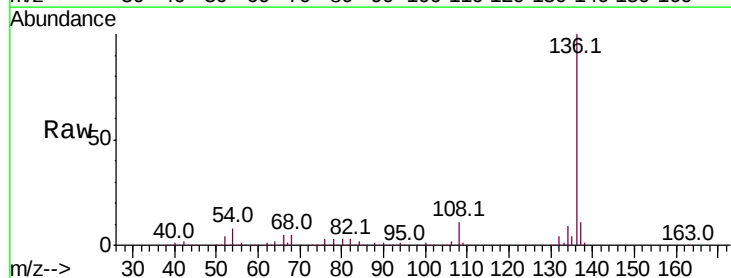
Ion Ratio Lower Upper

136 100

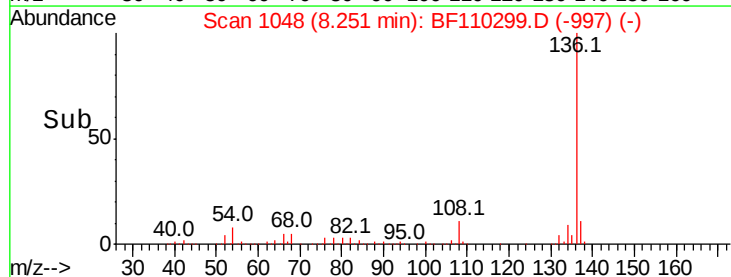
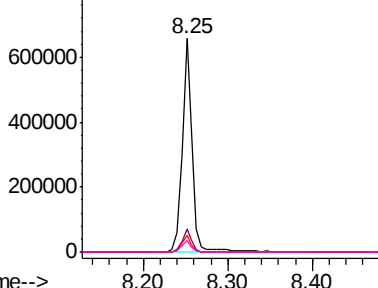
137 11.0 8.8 13.2

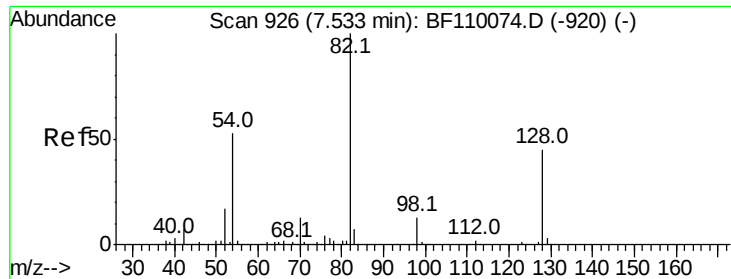
54 7.8 5.4 8.2

68 5.2 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

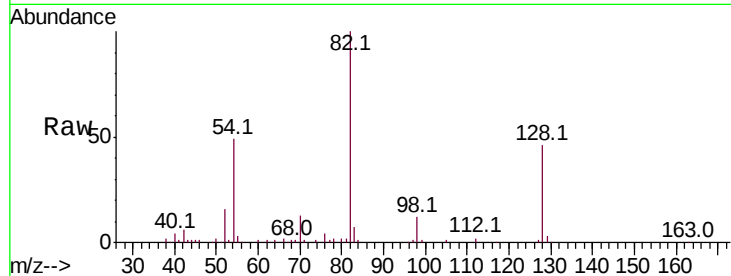




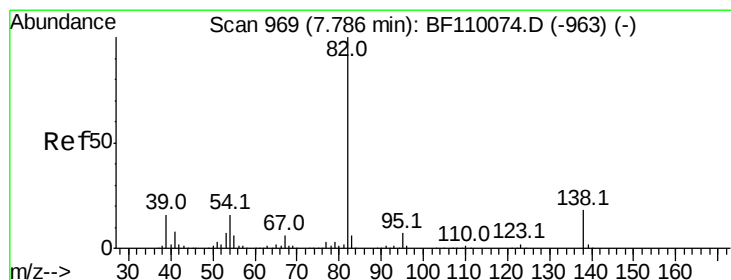
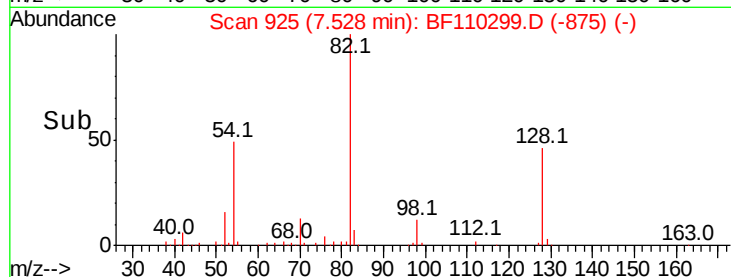
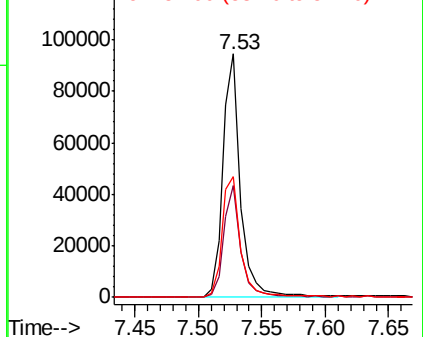
#23
Nitrobenzene-d5
Concen: 9.735 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	91989
Ion Ratio	Lower	Upper	
82	100		
128	46.2	34.2	51.2
54	49.4	38.6	58.0

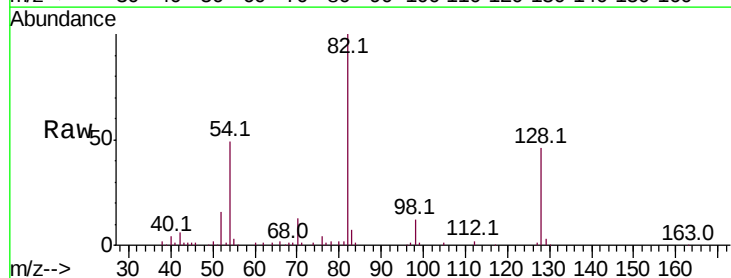


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

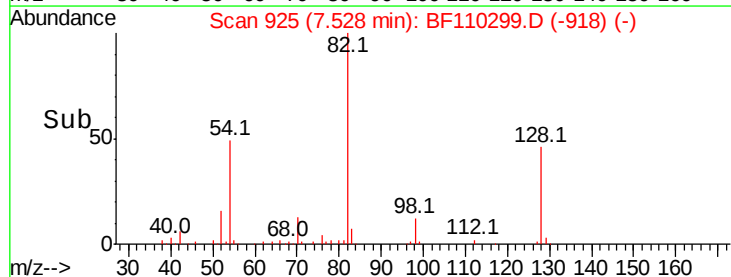
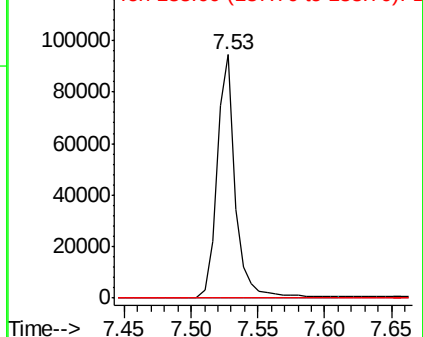


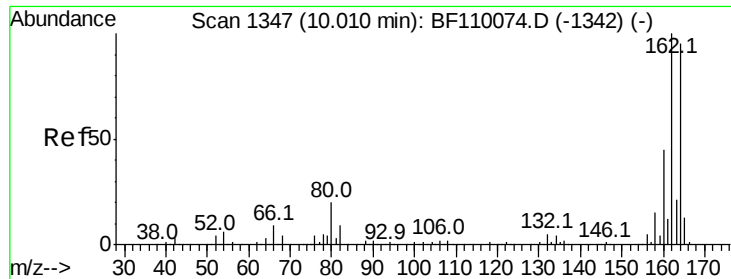
#25
Isophorone
Concen: 5.711 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.26 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	82	Resp	91987
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

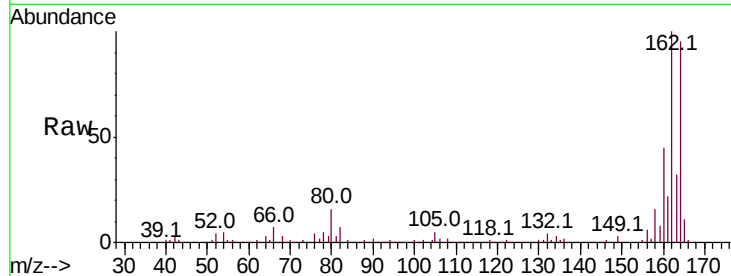




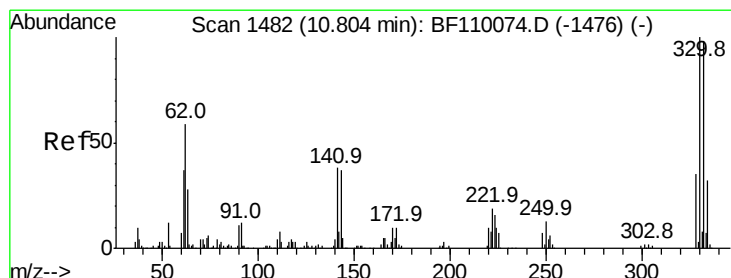
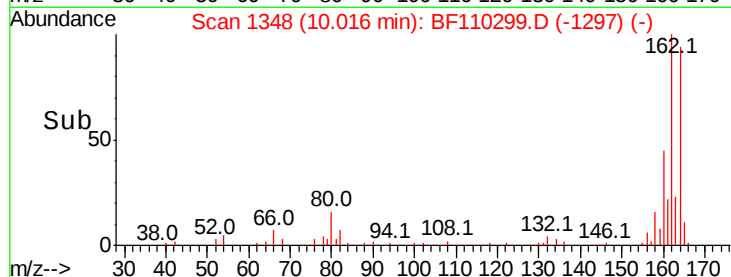
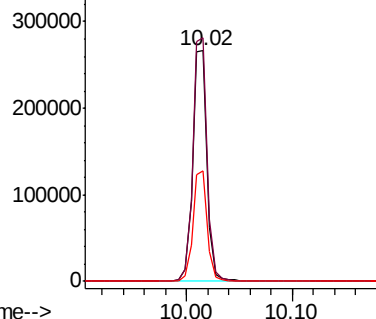
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 255338
Ion Ratio Lower Upper
164 100
162 105.8 83.0 124.6
160 47.9 37.0 55.6

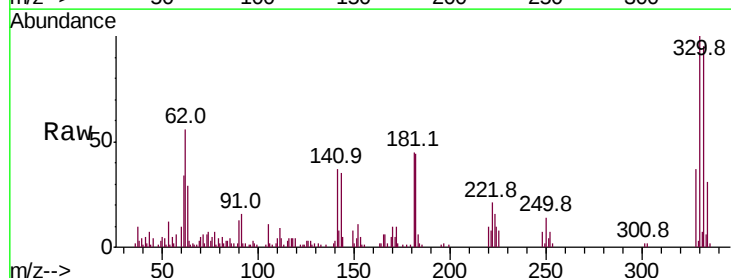


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

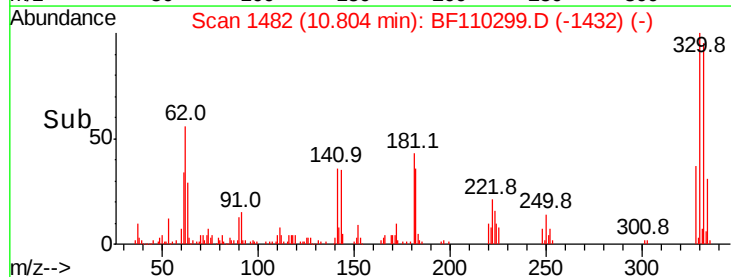
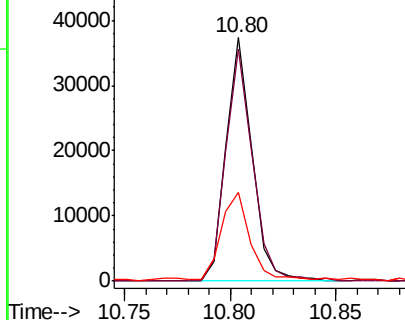


#42
2,4,6-Tribromophenol
Concen: 12.566 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion:330 Resp: 31784
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 43.4 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

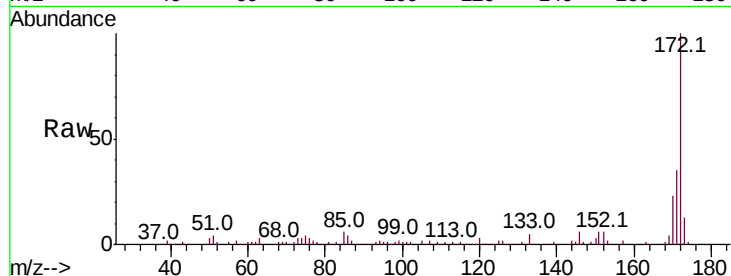




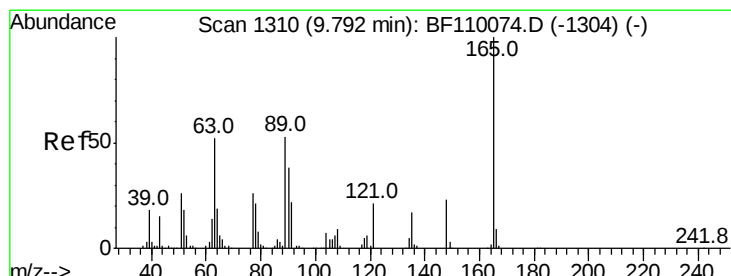
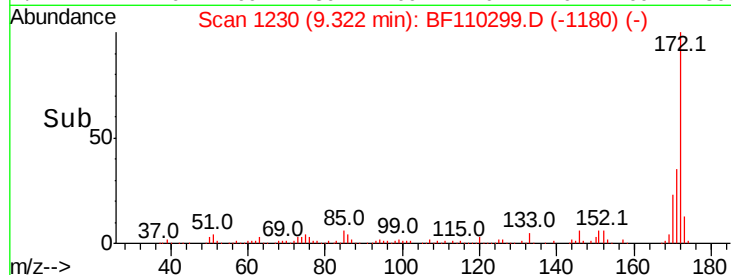
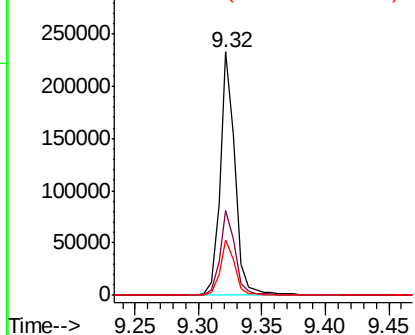
#45
 2-Fluorobiphenyl
 Concen: 11.854 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF110299.D
 Acq: 30 Oct 2018 13:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	22.7	19.7	29.5

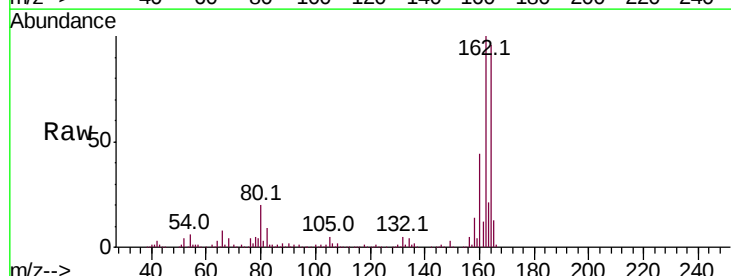


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

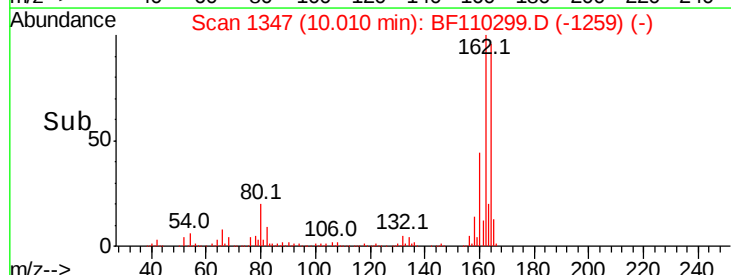
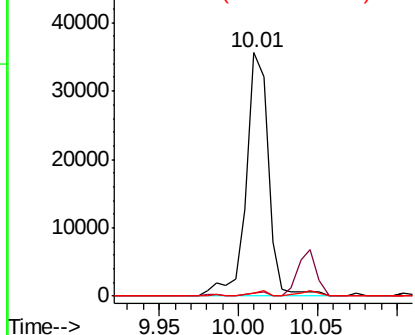


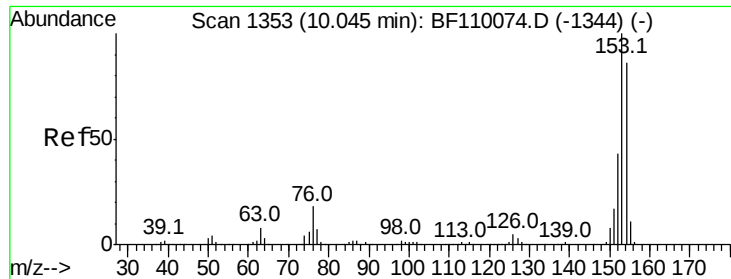
#51
 2,6-Dinitrotoluene
 Concen: 8.569 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF110299.D
 Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	48.9	73.3#
89	1.5	46.6	69.8#



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





#52

Acenaphthene

Concen: 4.000 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampleId :

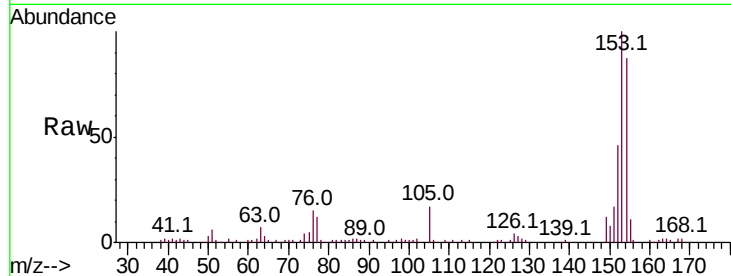
Tot Ion:154 Resp: 64734

Ion Ratio Lower Upper

154 100

153 114.5 90.1 135.1

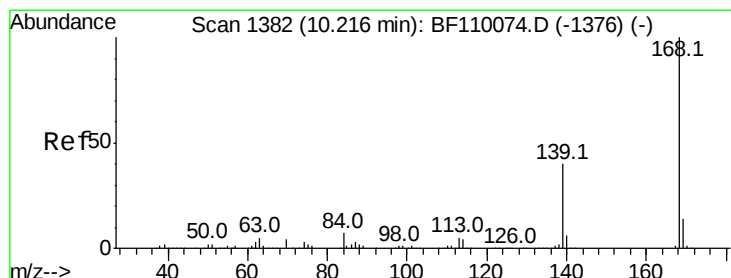
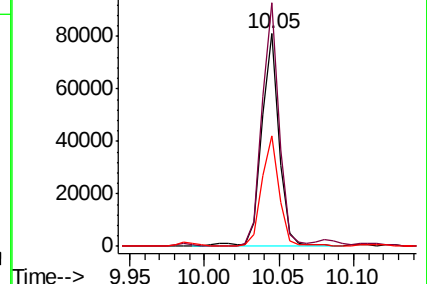
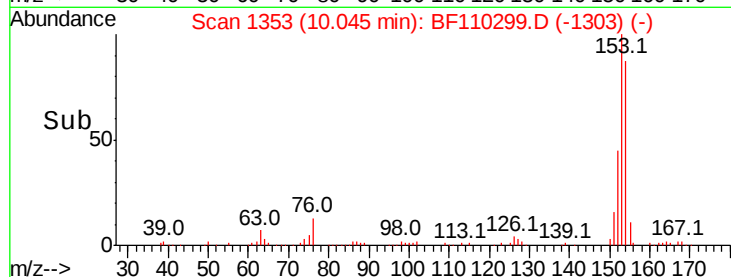
152 52.2 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.672 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

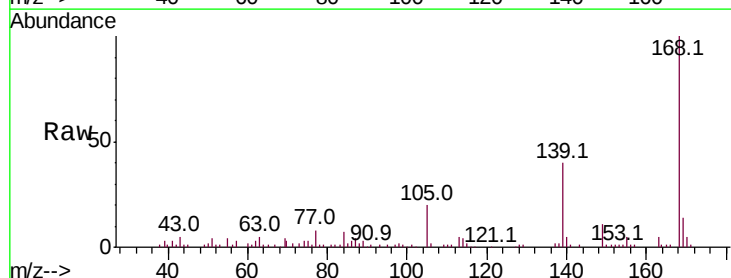
Tgt Ion:168 Resp: 60542

Ion Ratio Lower Upper

168 100

139 39.6 33.0 49.6

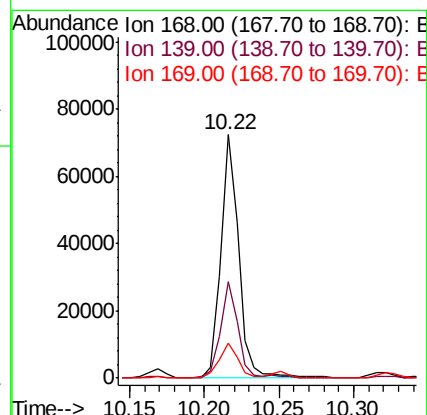
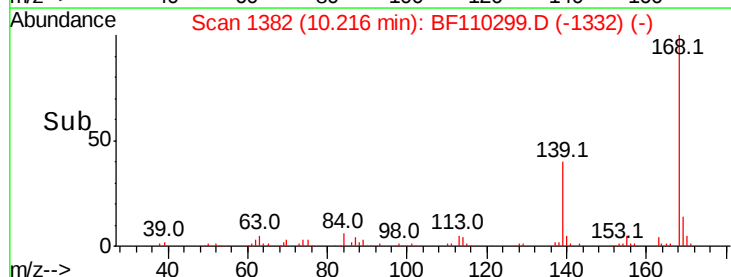
169 14.5 11.3 16.9

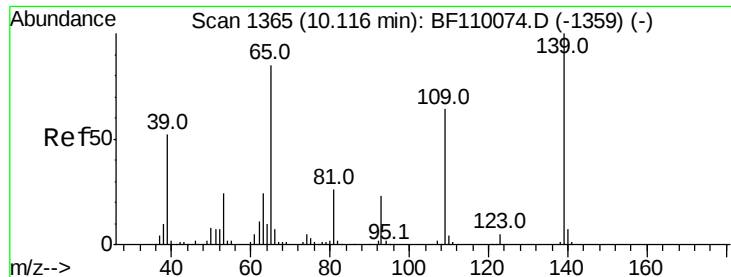


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

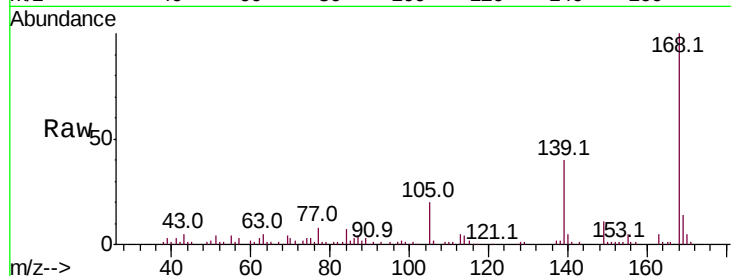




#56
4-Nitrophenol
Concen: 6.728 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.09 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.6	55.8	95.8#
65	1.9	77.9	117.9#

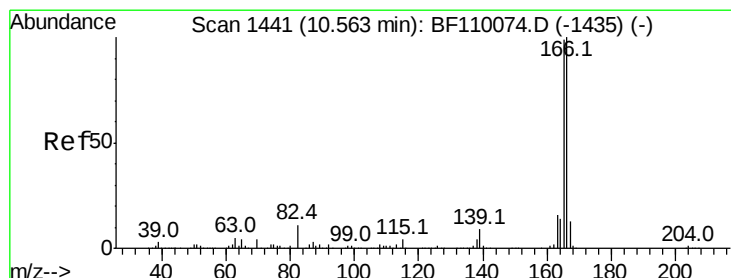
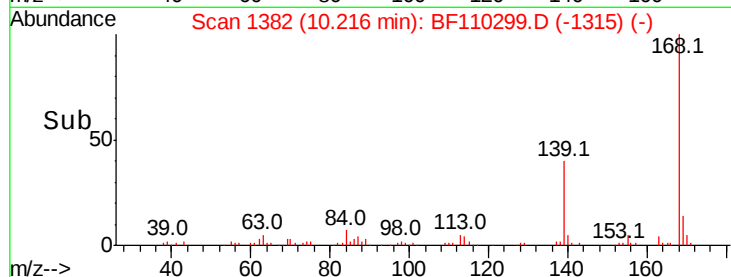
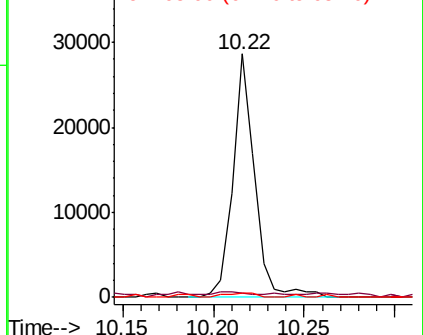


Abundance

Ion 139.00 (138.70 to 139.70): E

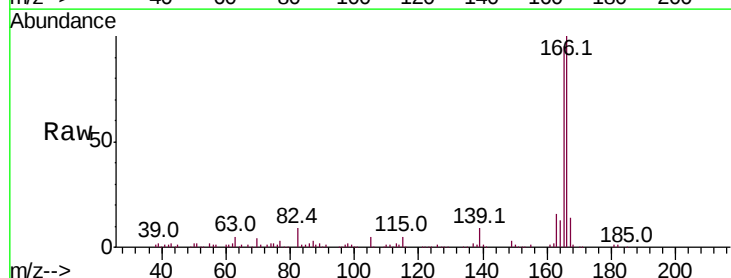
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#58
Fluorene
Concen: 6.267 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.2	78.6	117.8
167	13.6	10.8	16.2

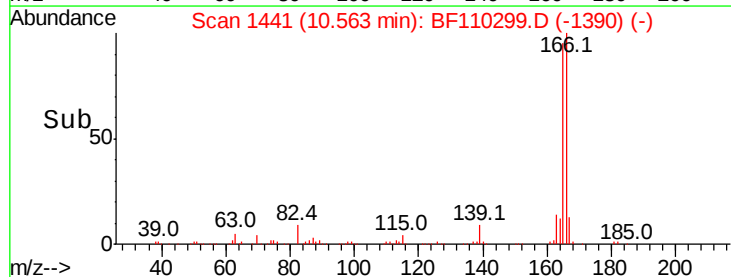
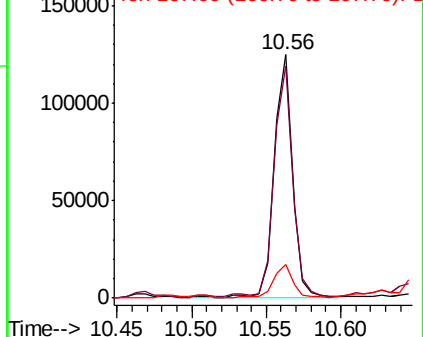


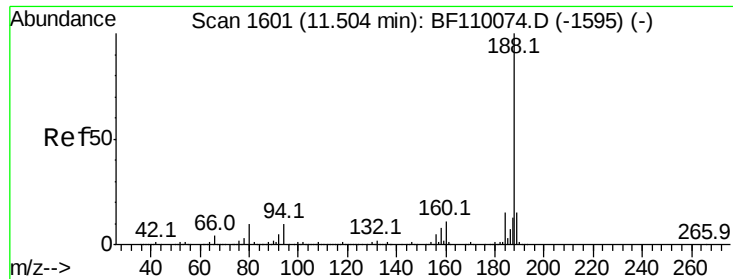
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampleId :

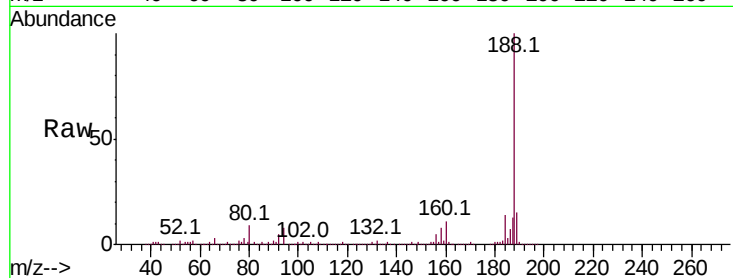
Tot Ion:188 Resp: 413787

Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

80 9.1 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

600000

500000

400000

300000

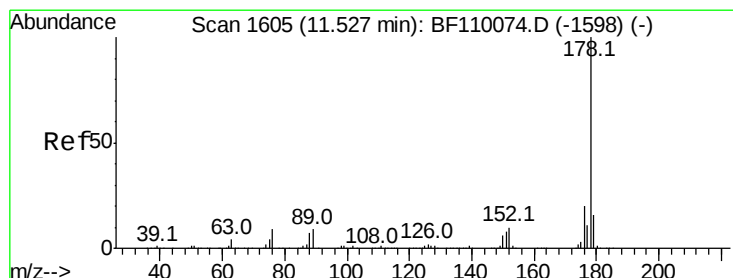
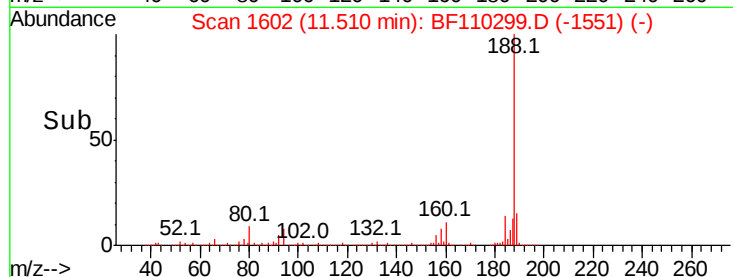
200000

100000

0

11.45 11.50 11.55

Time-->



#71

Phenanthrene

Concen: 34.844 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

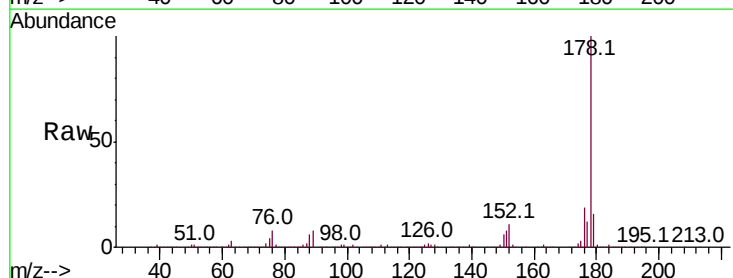
Tgt Ion:178 Resp: 754426

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.7 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

1200000

1000000

800000

600000

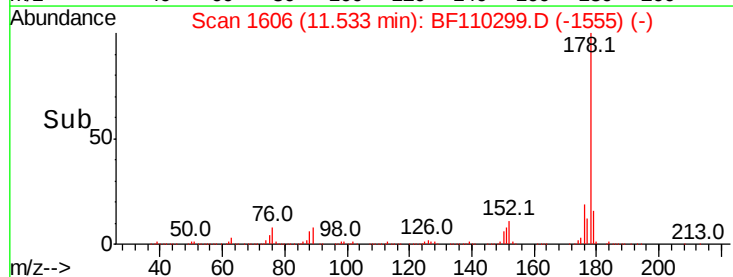
400000

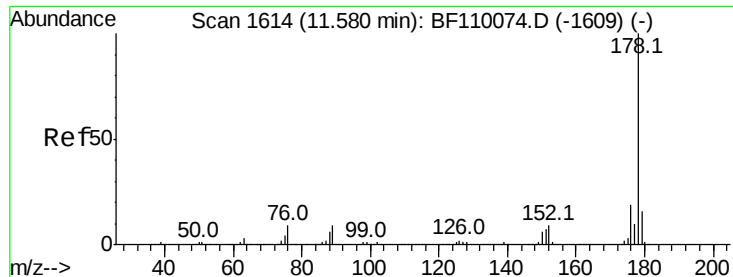
200000

0

11.50 11.55

Time-->





#72

Anthracene

Concen: 12.550 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampleId :

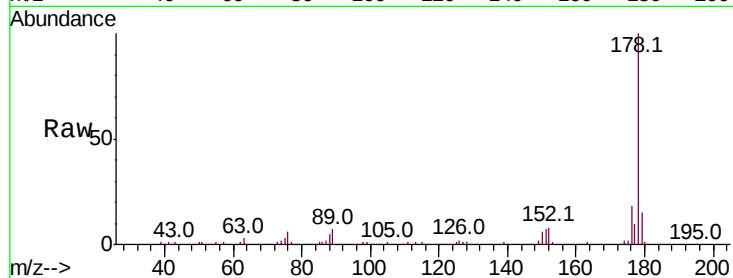
Tot Ion:178 Resp: 272366

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

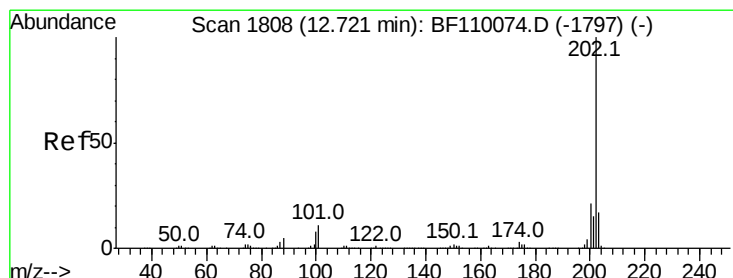
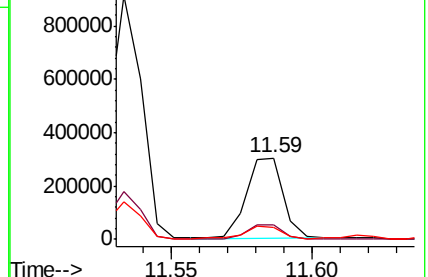
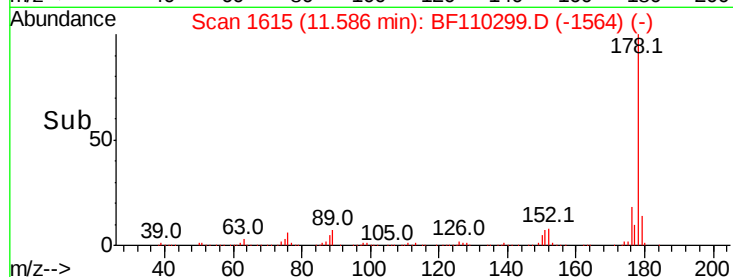
179 14.6 12.6 18.8



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: 46.330 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

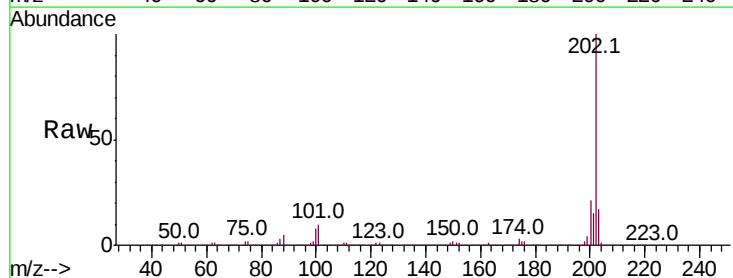
Tgt Ion:202 Resp: 1018033

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.4

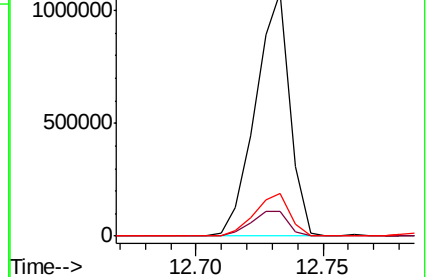
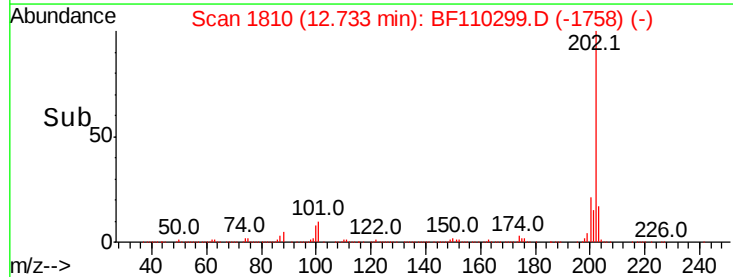
203 17.5 0.0 37.7

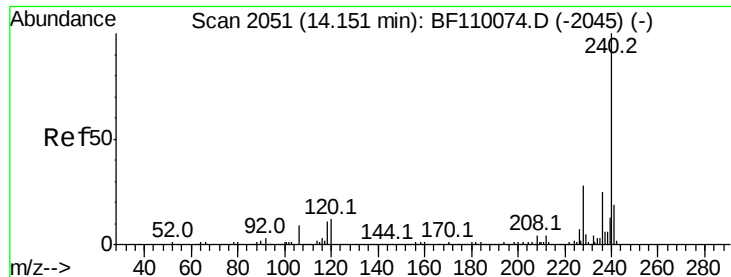


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampleId :

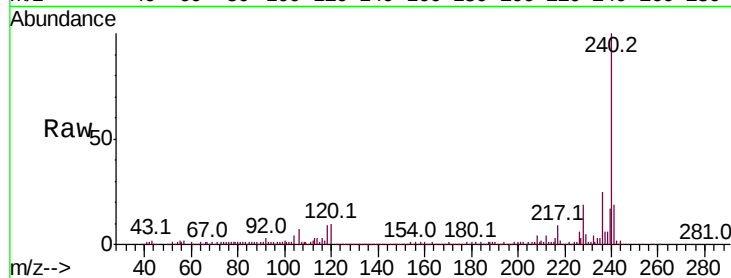
Tot Ion:240 Resp: 260414

Ion Ratio Lower Upper

240 100

120 9.9 8.3 12.5

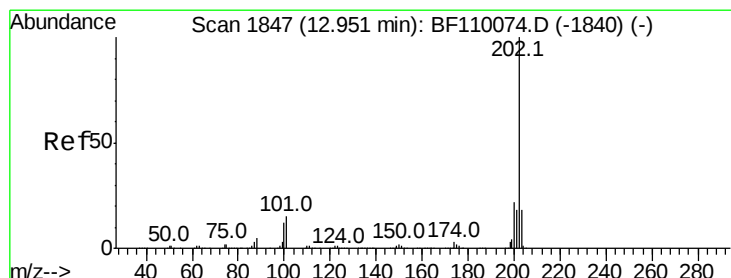
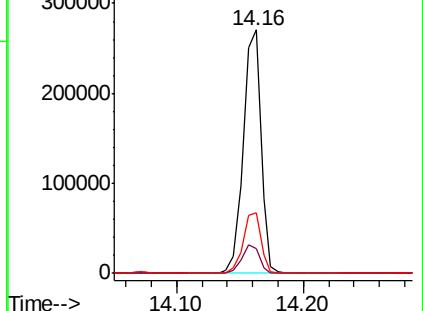
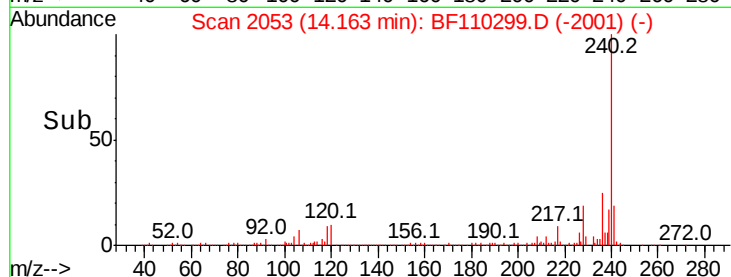
236 25.0 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 45.704 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

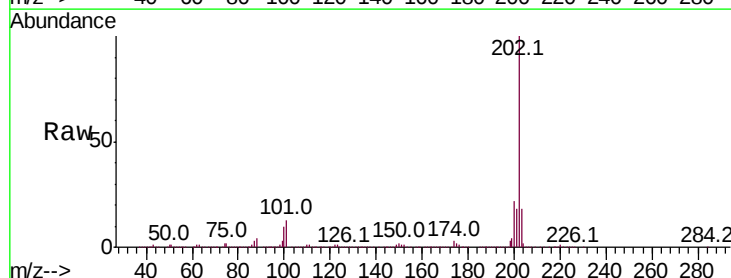
Tgt Ion:202 Resp: 853259

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

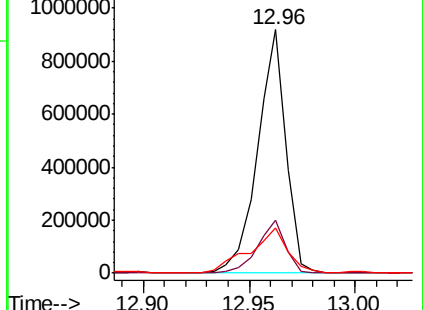
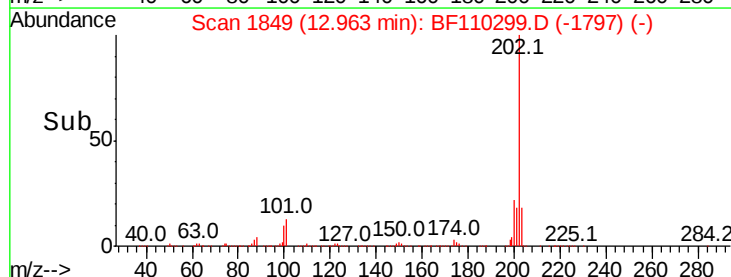
203 18.3 14.2 21.4

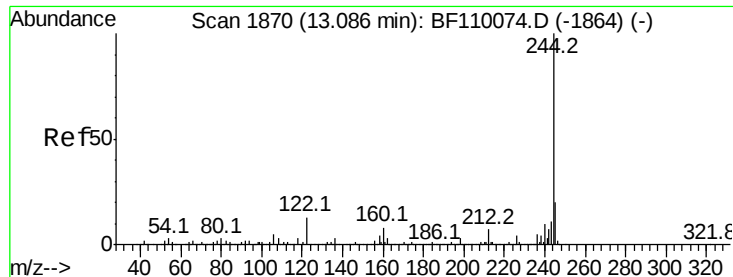


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 11.149 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampled :

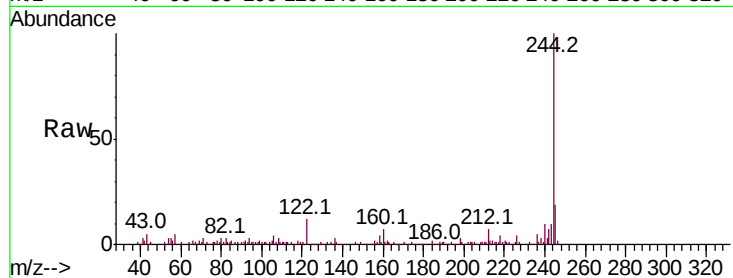
Tot Ion:244 Resp: 139599

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

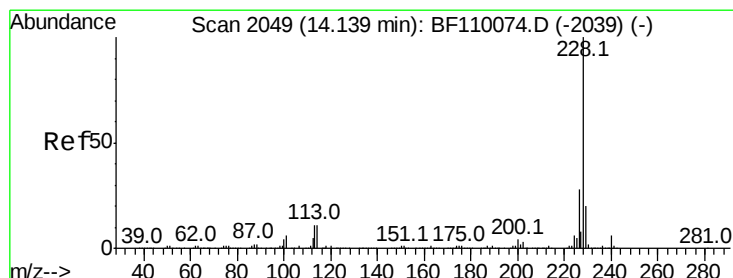
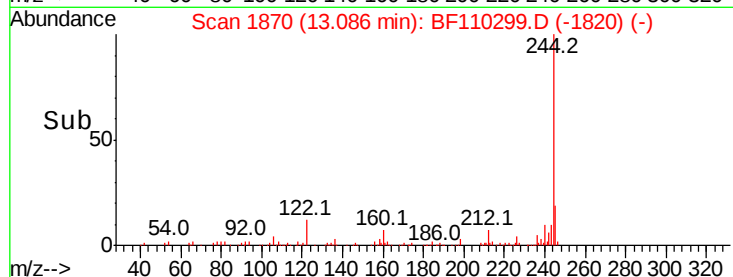
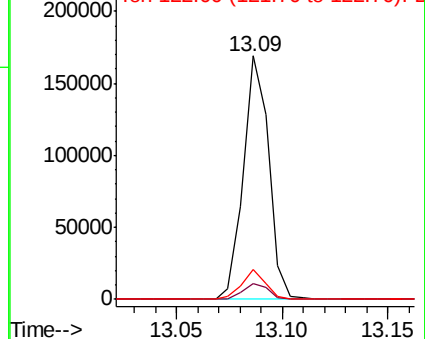
122 12.1 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 27.350 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

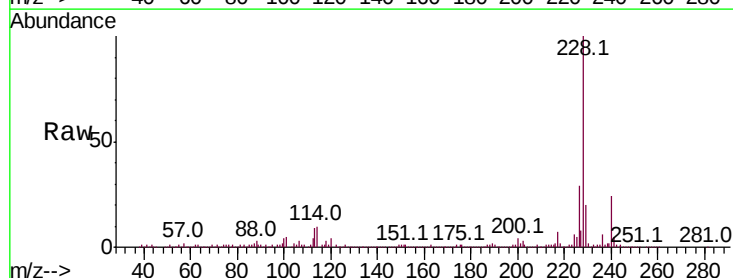
Tgt Ion:228 Resp: 422374

Ion Ratio Lower Upper

228 100

226 28.6 22.1 33.1

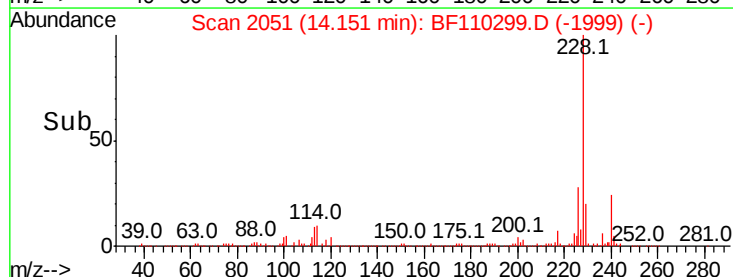
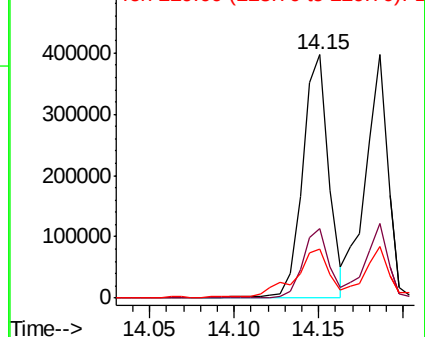
229 20.3 15.6 23.4

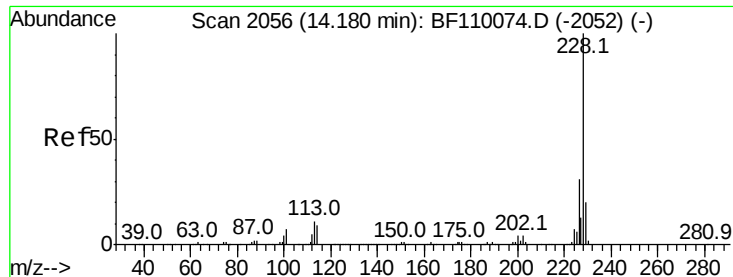


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 24.835 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampleId :

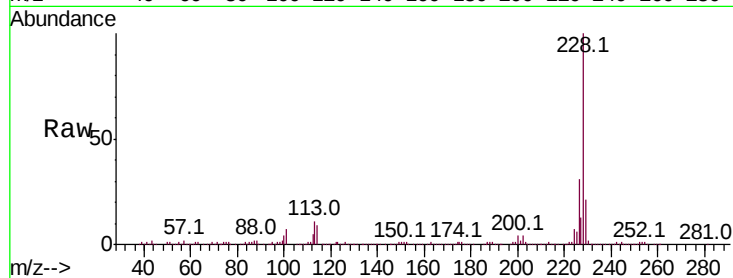
Tot Ion:228 Resp: 364276

Ion Ratio Lower Upper

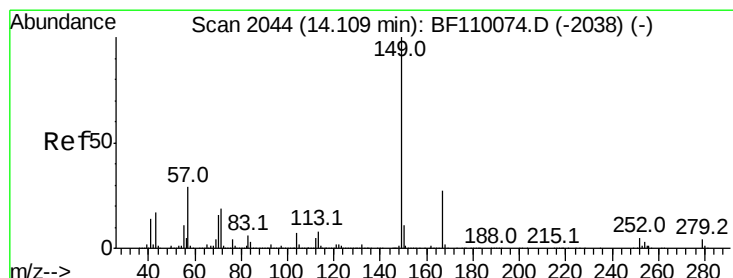
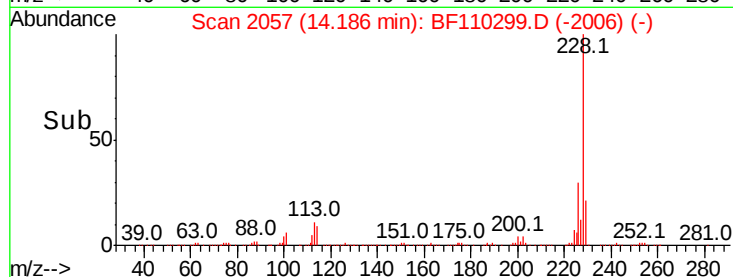
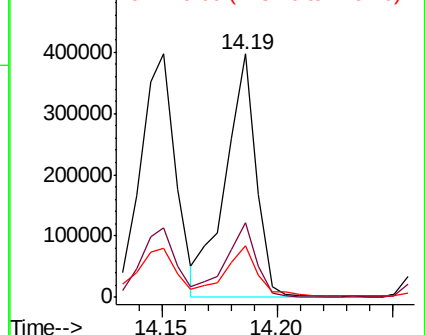
228 100

226 30.5 24.7 37.1

229 21.4 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: 10.923 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.10 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

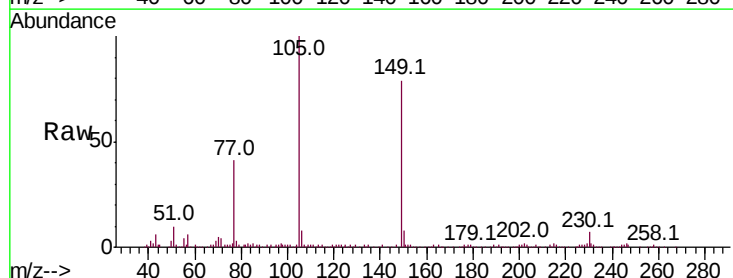
Tgt Ion:149 Resp: 119655

Ion Ratio Lower Upper

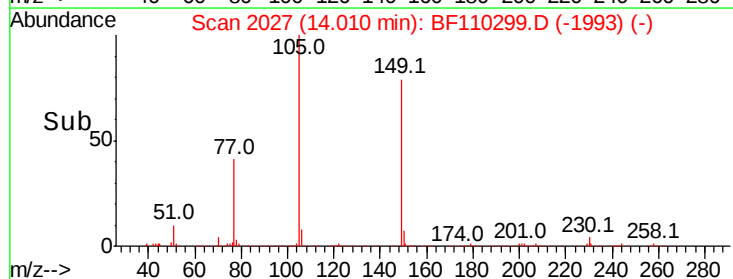
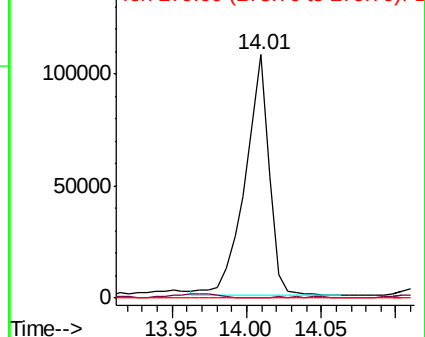
149 100

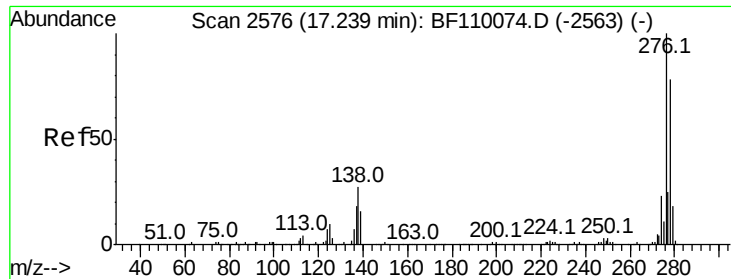
167 0.4 19.8 29.8#

279 0.0 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

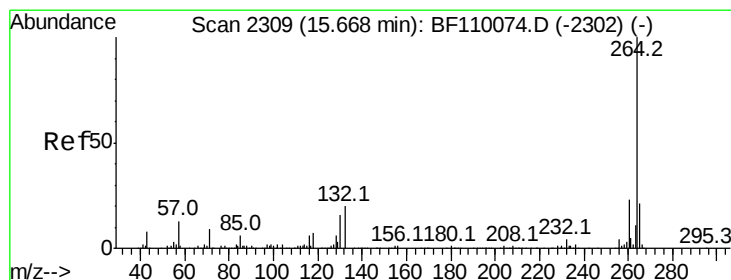
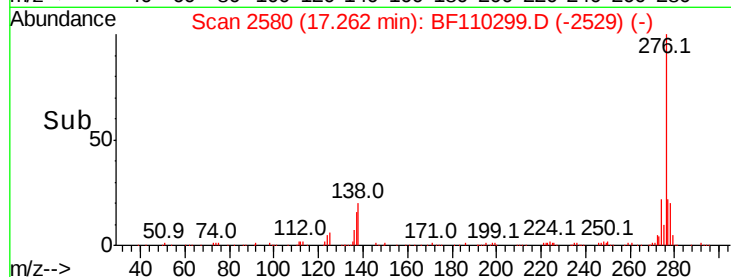
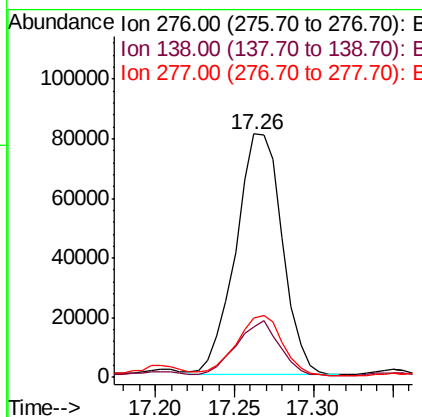
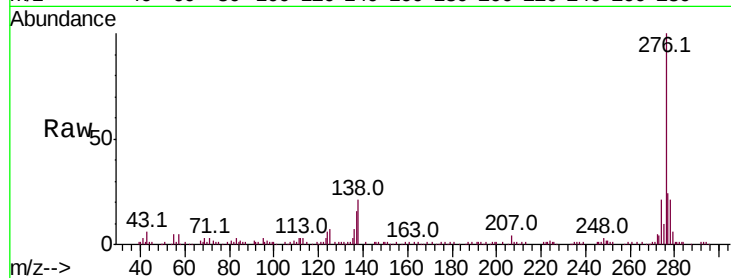




#86
Indeno(1,2,3-cd)pyrene
Concen: 13.562 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

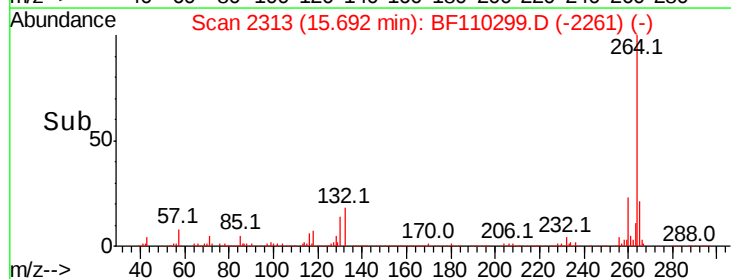
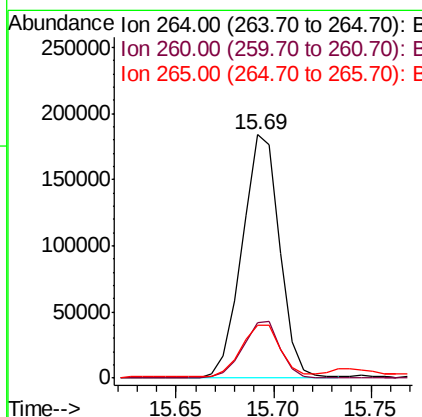
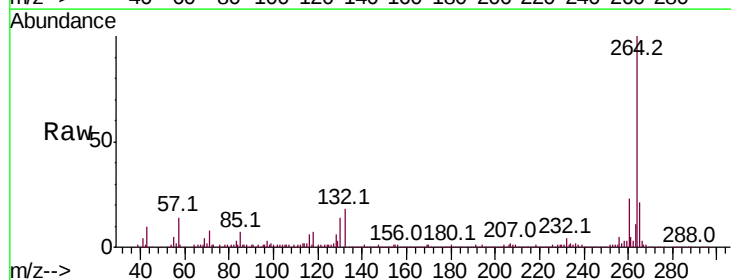
Instrument :
BNA_F
ClientSampleId :

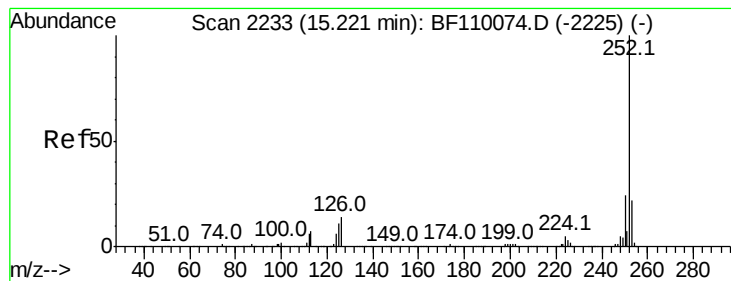
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.5	27.7
277	25.5	20.0	30.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	16.7	25.1





#88

Benzo(b)fluoranthene

Concen: 40.921 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

ClientSampleId :

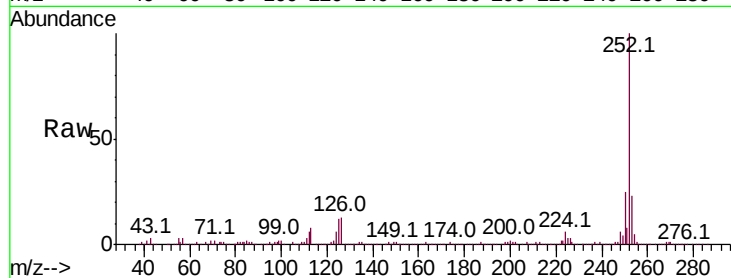
Tot Ion:252 Resp: 577520

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

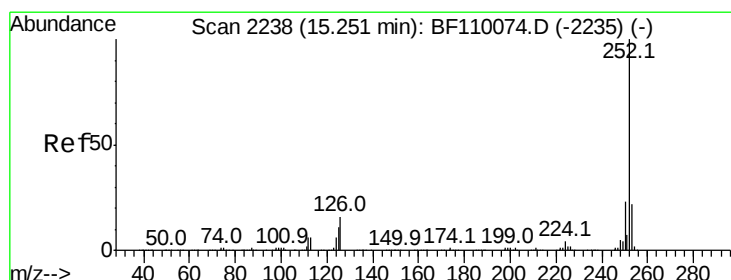
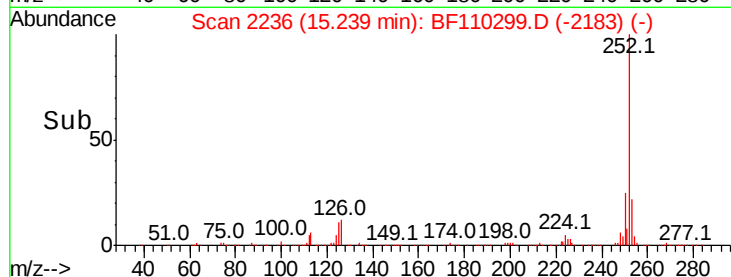
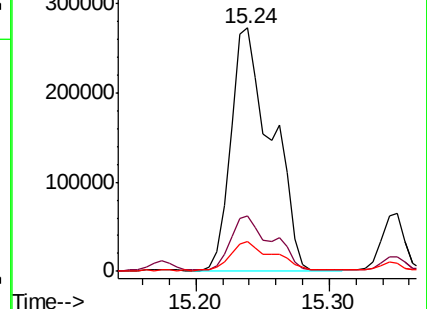
125 12.0 8.2 12.4



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: 41.625 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

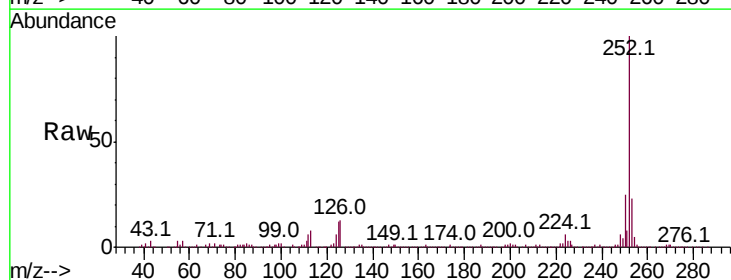
Tgt Ion:252 Resp: 577520

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

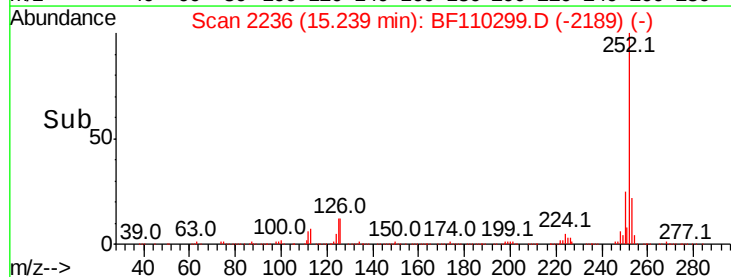
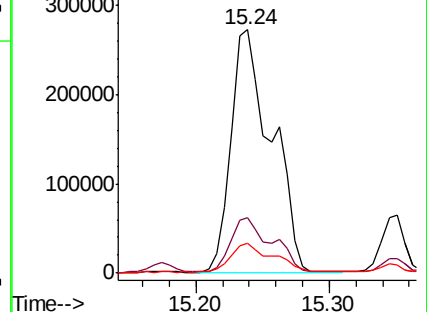
125 12.0 7.4 11.0#

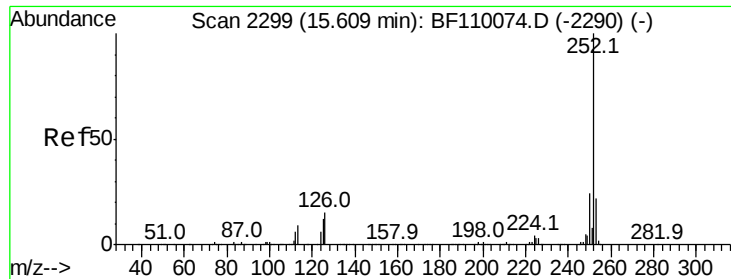


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

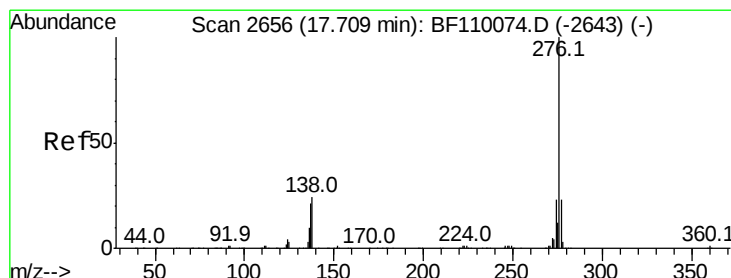
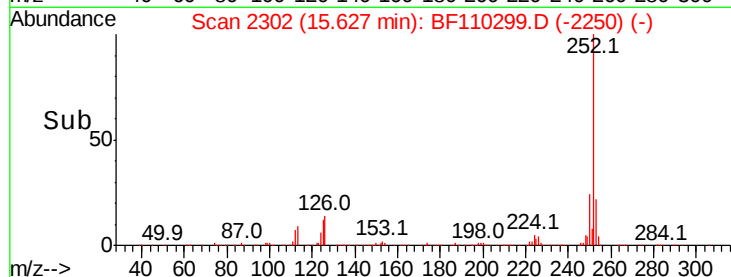
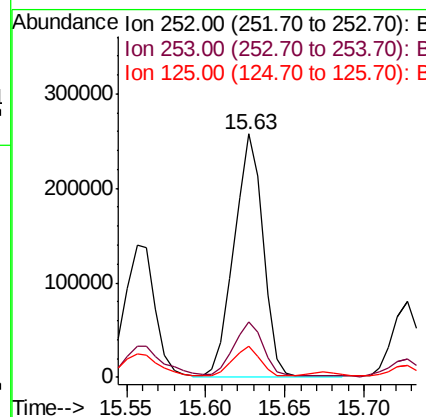
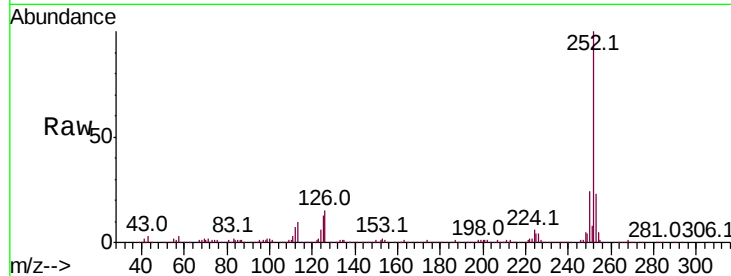




#90
Benzo(a)pyrene
Concen: 24.978 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 324370
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 12.6 9.0 13.6



#92
Benzo(g,h,i)perylene
Concen: 13.206 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion:276 Resp: 145812
Ion Ratio Lower Upper
276 100
277 24.4 18.8 28.2
138 22.4 16.0 24.0

