

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104790.D
 Acq On : 25 Apr 2018 15:52
 Operator : JU/SJ
 Sample : J2505-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:12:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	122401	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	517121	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	238281	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	383968	20.00	ng	0.00
75) Chrysene-d12	13.98	240	230965	20.00	ng	0.00
86) Perylene-d12	15.45	264	216794	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	722598	90.27	ng	0.00
7) Phenol-d6	6.44	99	905949	92.11	ng	0.00
23) Nitrobenzene-d5	7.37	82	566934	71.59	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	213336	86.31	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	986292	65.39	ng	0.00
78) Terphenyl-d14	12.92	244	766312	75.64	ng	0.00

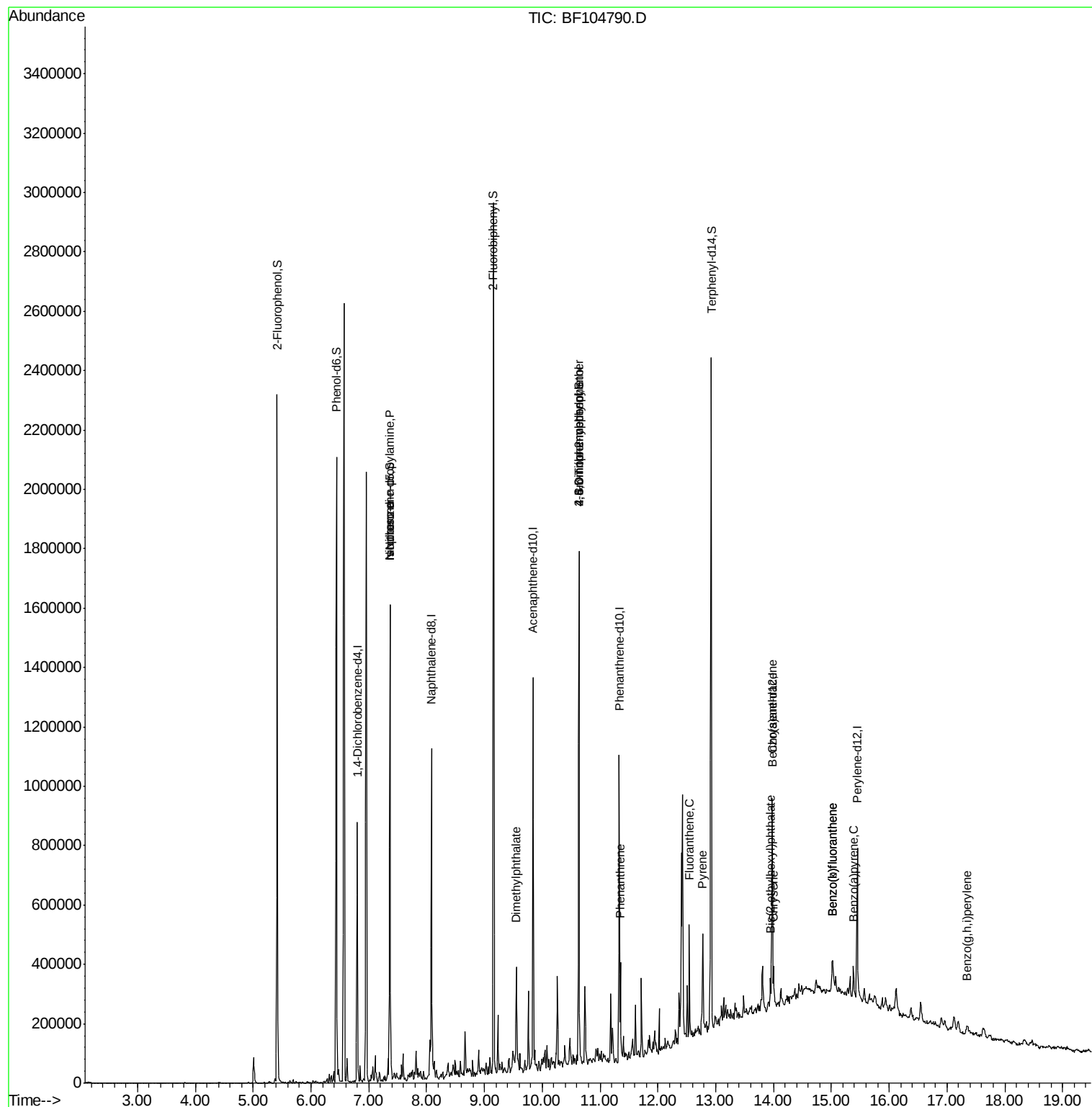
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	1223	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	75353	11.724	ng	# 69
25) Isophorone	7.37	82	562934	33.615	ng	# 64
49) Dimethylphthalate	9.55	163	101555	5.405	ng	100
64) 4,6-Dinitro-2-methylphenol	10.63	198	403	7.530	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12960	3.173	ng	# 1
70) Phenanthrene	11.35	178	113404	5.303	ng	98
74) Fluoranthene	12.54	202	132114	5.914	ng	97
76) Benzidine	12.92	184	11510	Below Cal		98
77) Pyrene	12.77	202	120495	7.038	ng	99
80) Benzo(a)anthracene	13.97	228	51904	3.762	ng	96
82) Chrysene	14.00	228	44514	3.141	ng	97
83) Bis(2-ethylhexyl)phthalate	13.94	149	24633	2.374	ng	100
87) Benzo(b)fluoranthene	15.02	252	76013	5.551	ng	# 88
88) Benzo(k)fluoranthene	15.02	252	76013	5.880	ng	# 91
89) Benzo(a)pyrene	15.39	252	39675	3.238	ng	# 88
91) Benzo(a,h,i)perylene	17.35	276	22045	2.261	ng	# 94

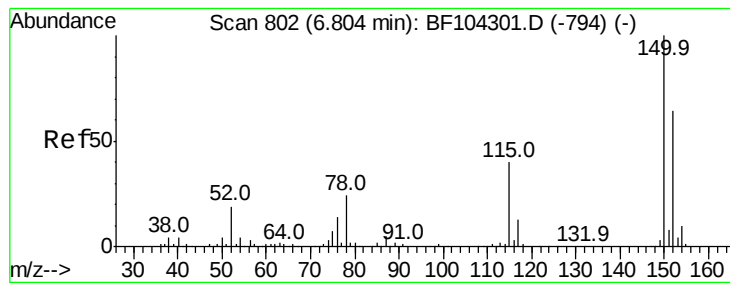
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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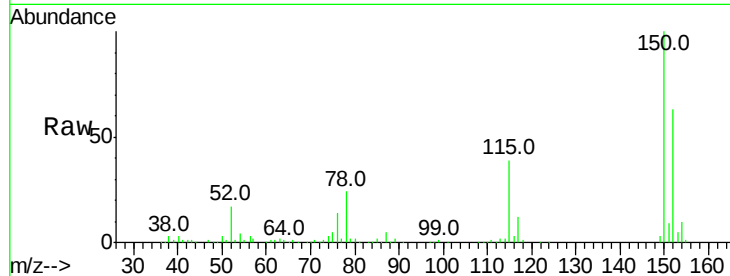


#1

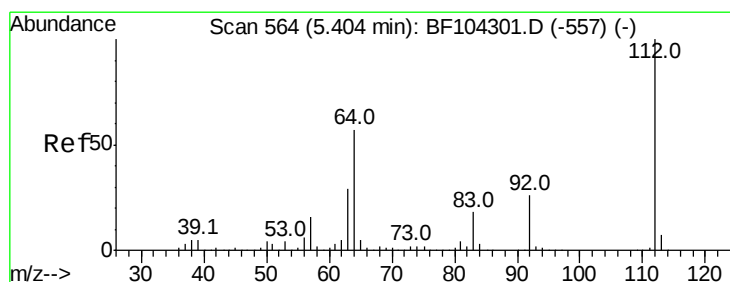
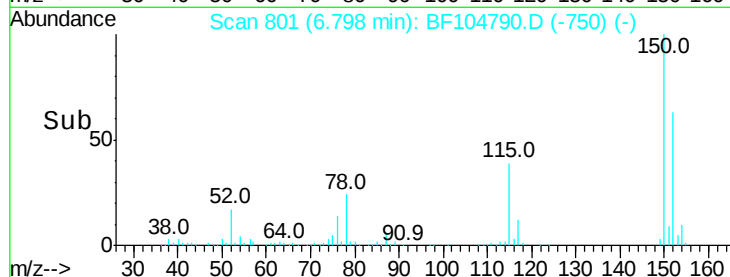
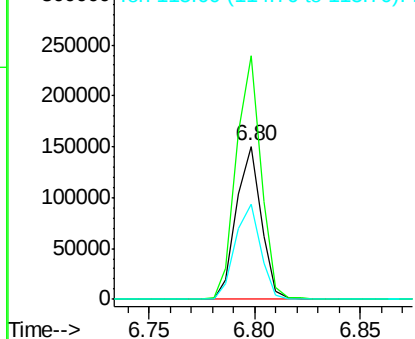
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 122401
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 62.1 50.1 75.1



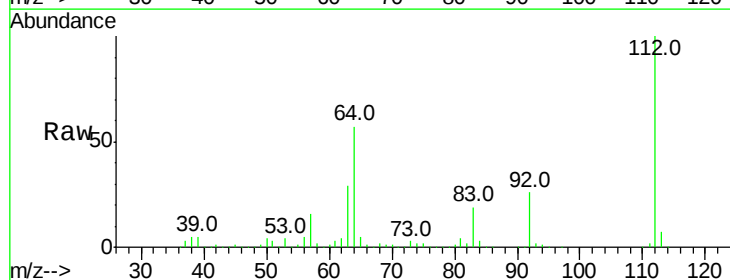
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



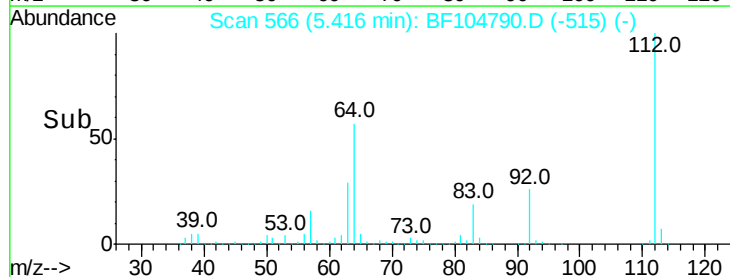
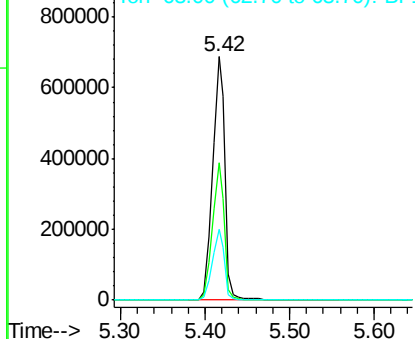
#5

2-Fluorophenol
Concen: 90.268 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

Tgt Ion:112 Resp: 722598
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 29.3 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: 92.110 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

Instrument :

BNA_F

ClientSampled :

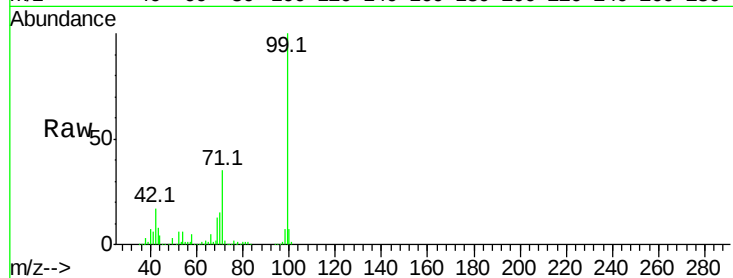
Tot Ion: 99 Resp: 905949

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

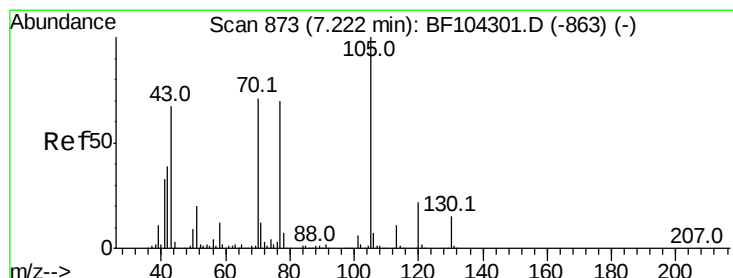
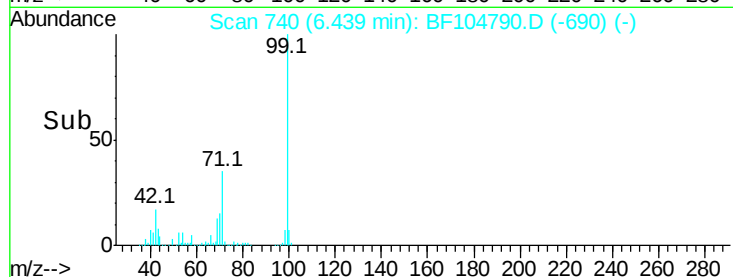
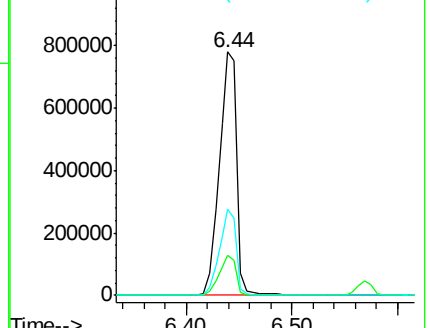
71 35.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.724 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

Tgt Ion: 70 Resp: 75353

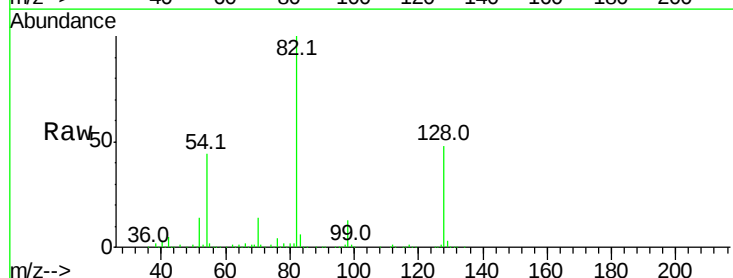
Ion Ratio Lower Upper

70 100

42 38.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

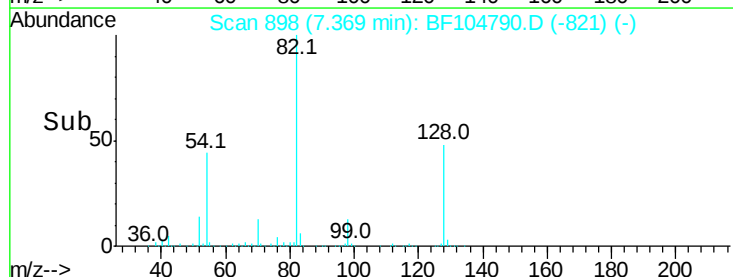
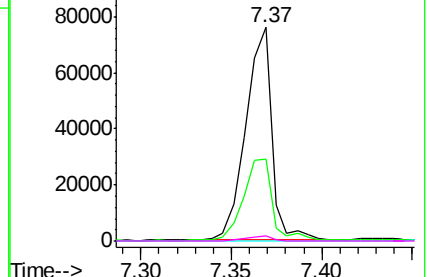


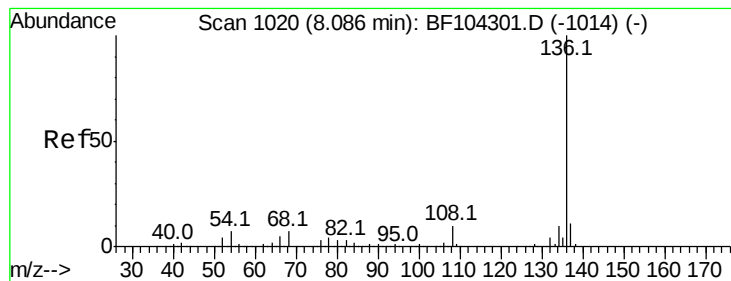
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 517121

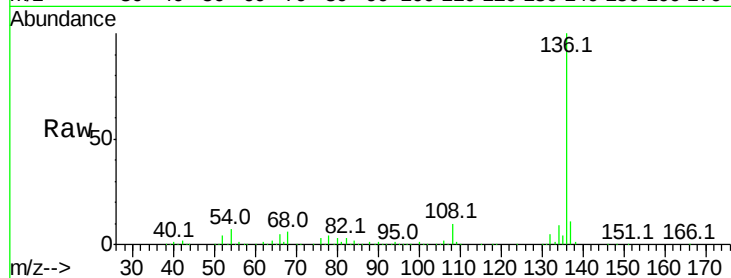
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.8 6.6 9.8

68 5.5 5.0 7.4

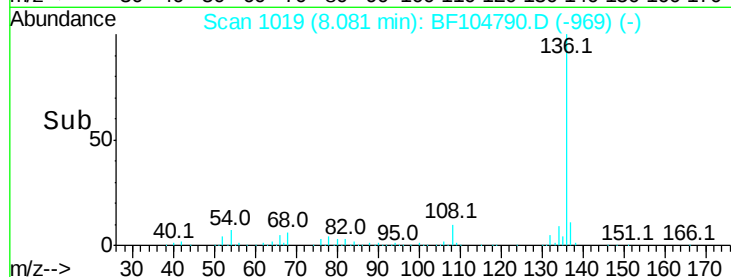


Abundance Ion 136.00 (135.70 to 136.70): E

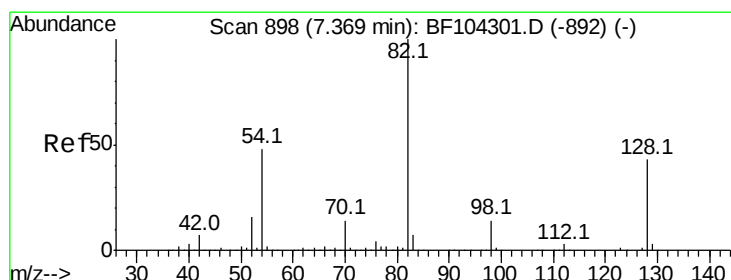
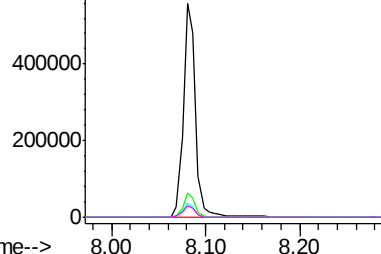
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 71.588 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

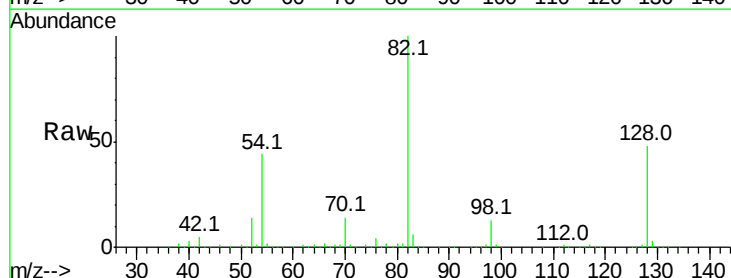
Tgt Ion: 82 Resp: 566934

Ion Ratio Lower Upper

82 100

128 48.1 36.1 54.1

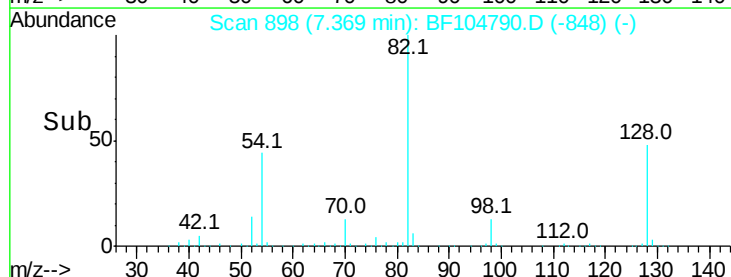
54 43.7 41.4 62.2



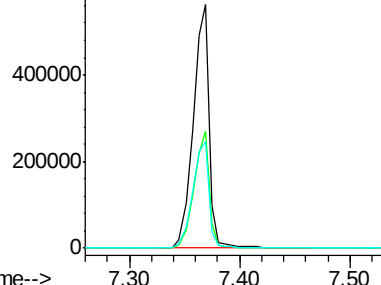
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 33.615 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

Instrument :

BNA_F

ClientSampleId :

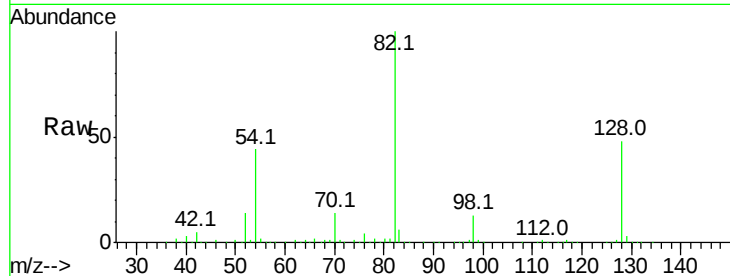
Tot Ion: 82 Resp: 562934

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

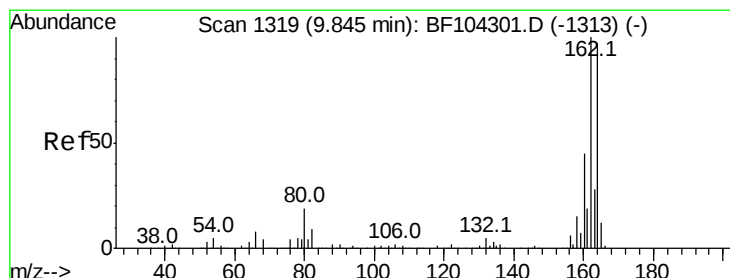
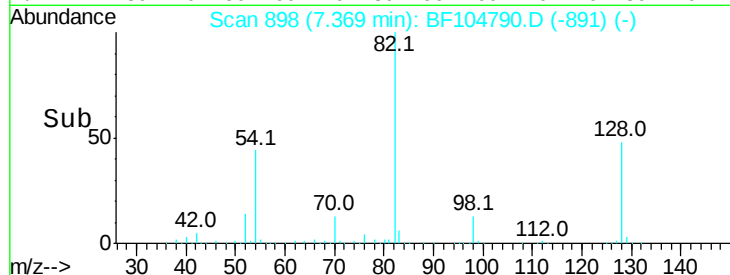
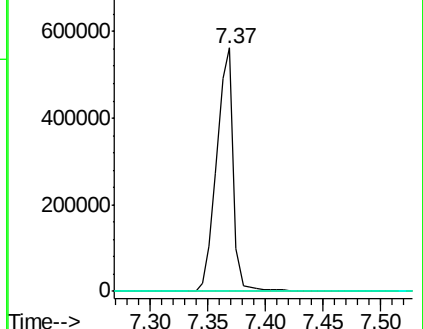
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

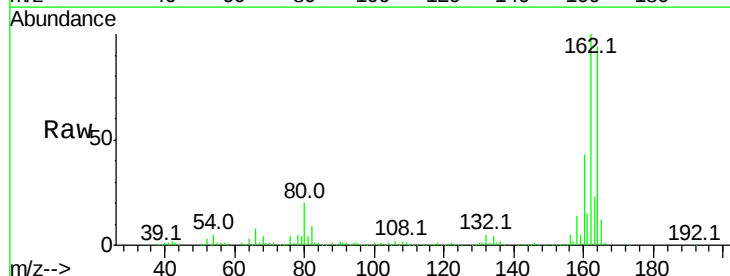
Tgt Ion:164 Resp: 238281

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

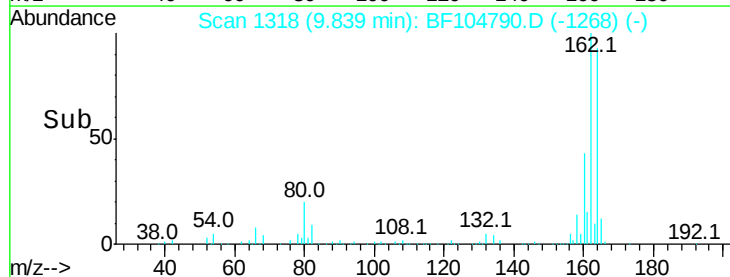
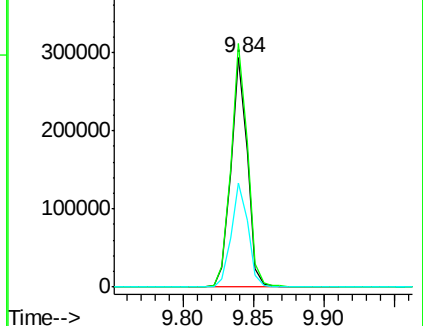
160 45.6 38.3 57.5

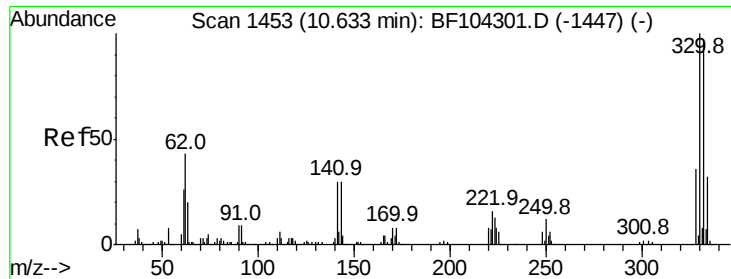


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

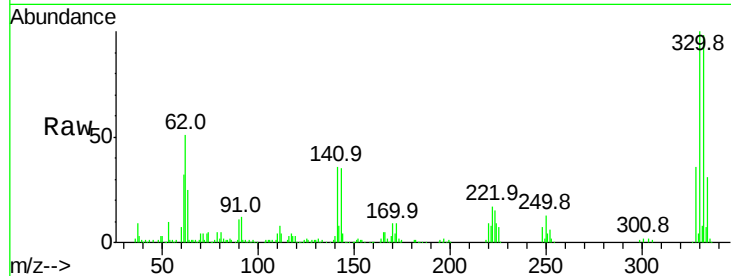




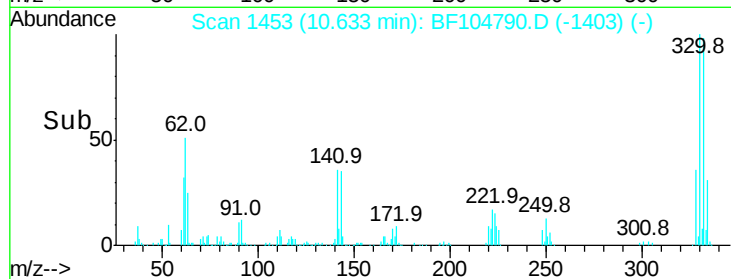
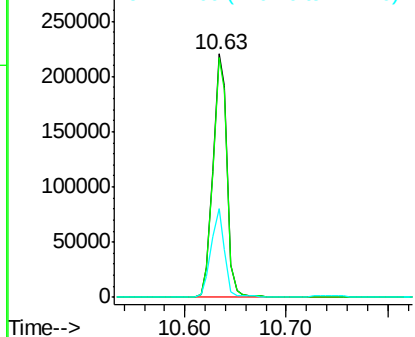
#41
 2,4,6-Tribromophenol
 Concen: 86.310 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104790.D
 Acq: 25 Apr 2018 15:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	34.3	29.9	44.9

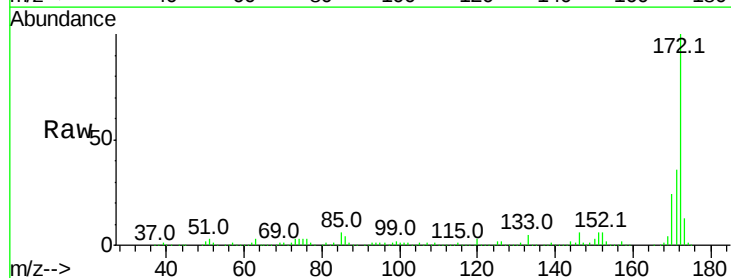


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

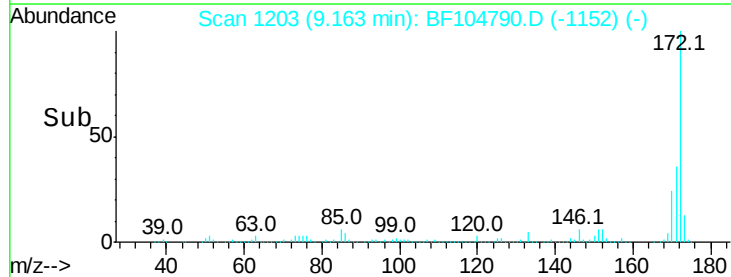
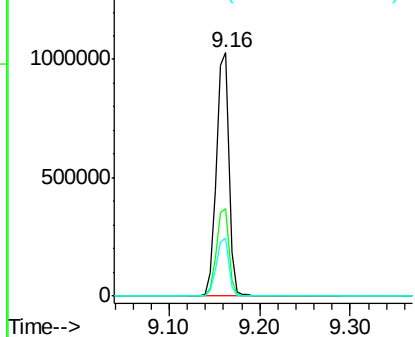


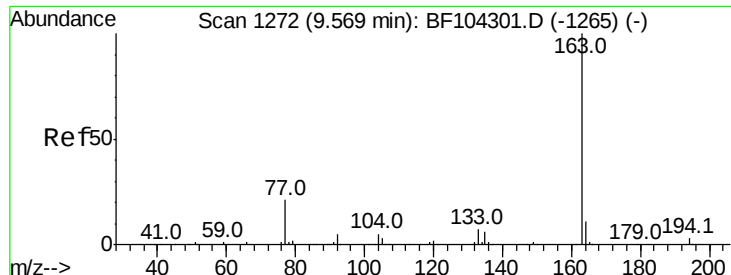
#44
 2-Fluorobiphenyl
 Concen: 65.389 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104790.D
 Acq: 25 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	19.6	29.4



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

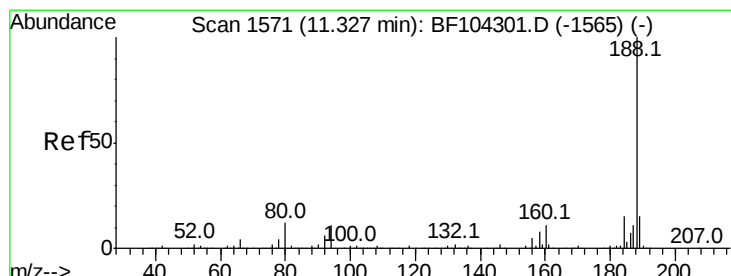
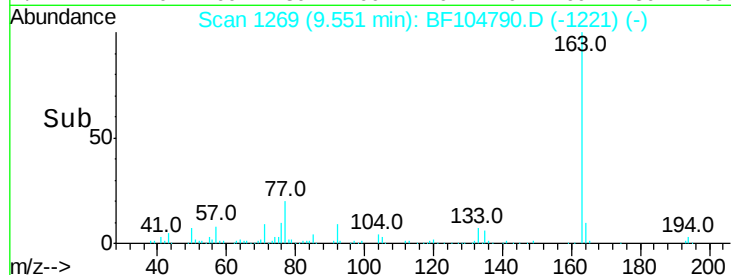
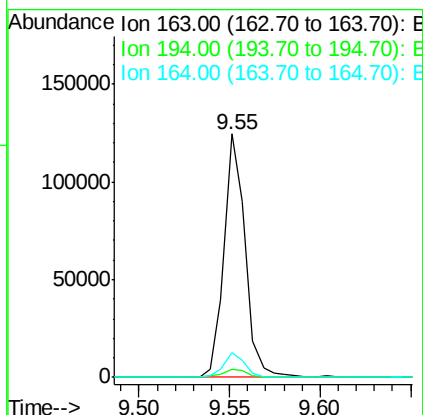
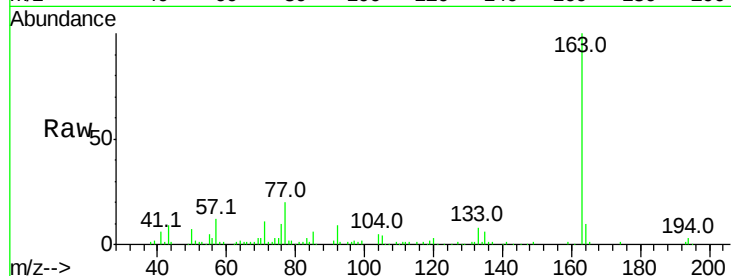




#49
Dimethylphthalate
Concen: 5.405 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

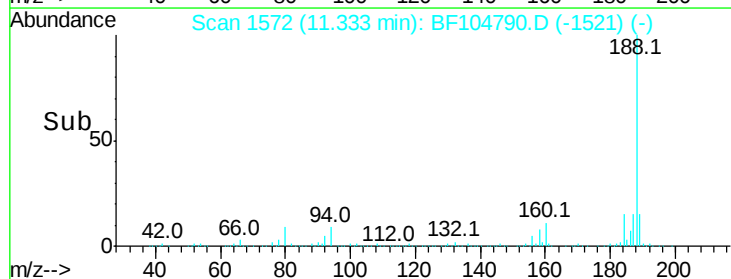
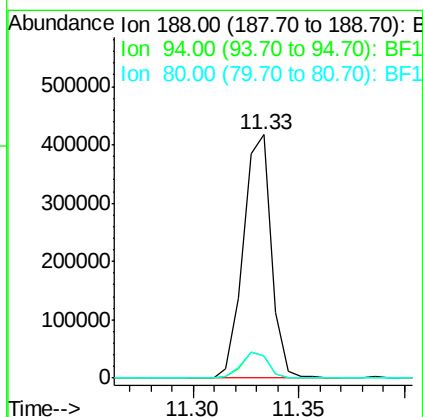
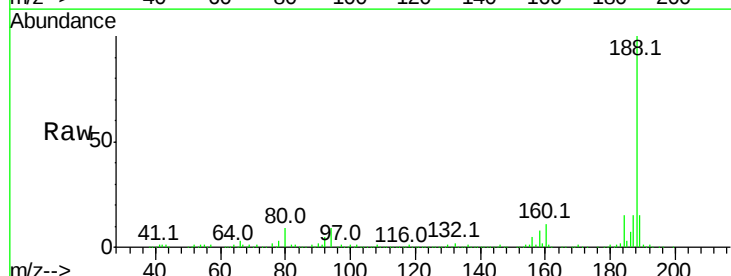
Instrument :
BNA_F
ClientSampleId :

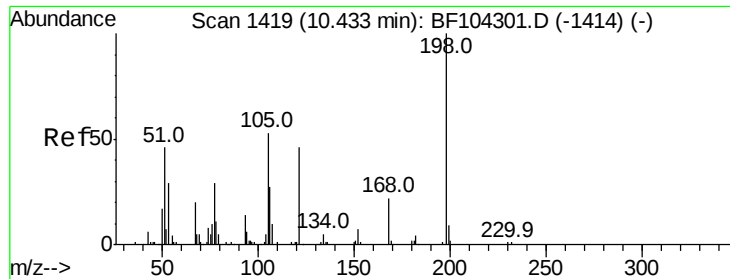
Tot Ion:163 Resp: 101555
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 8.2 12.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

Tgt Ion:188 Resp: 383968
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 9.4 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.530 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

Instrument :

BNA_F

ClientSampleId :

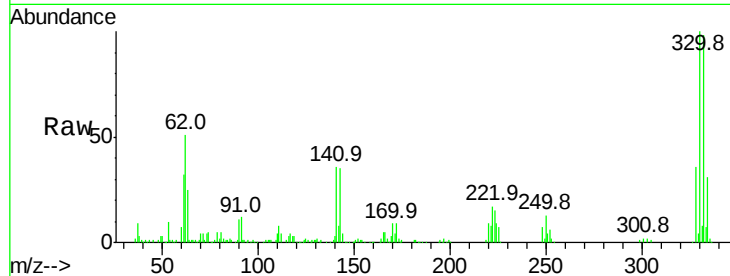
Tot Ion:198 Resp: 403

Ion Ratio Lower Upper

198 100

51 159.1 37.7 77.7#

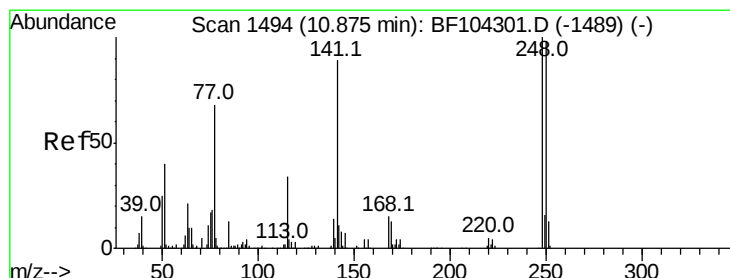
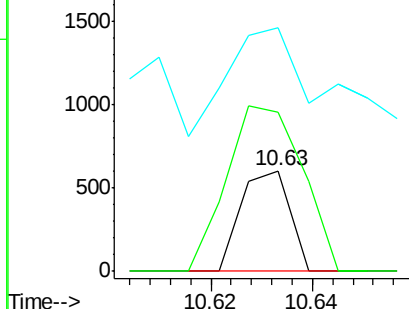
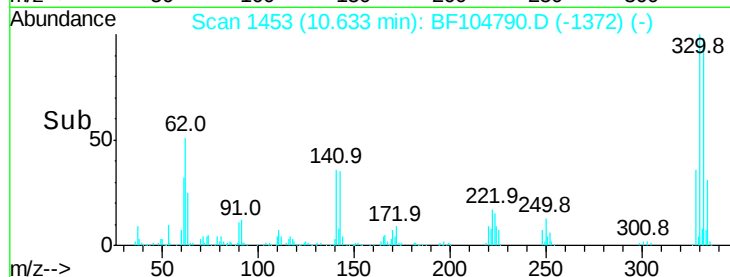
105 242.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.173 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

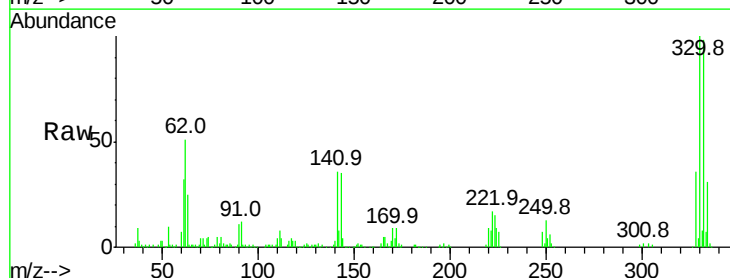
Tgt Ion:248 Resp: 12960

Ion Ratio Lower Upper

248 100

250 196.0 76.9 115.3#

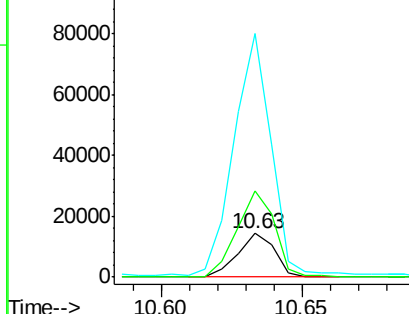
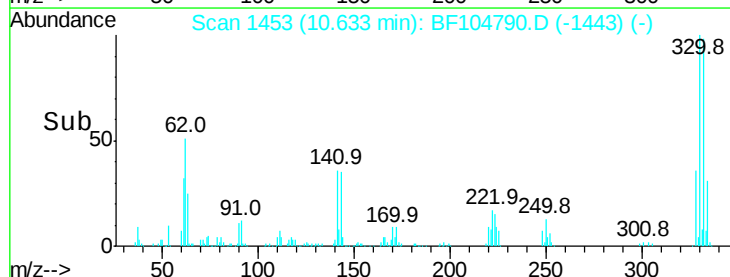
141 557.5 74.4 111.6#

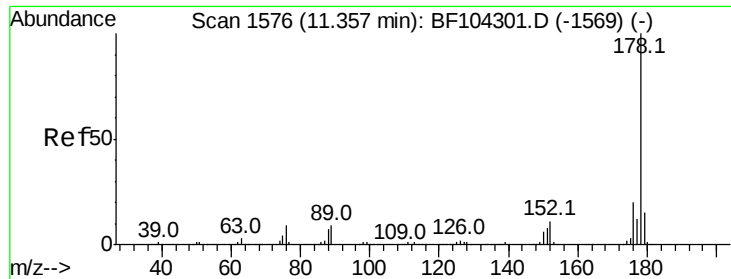


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

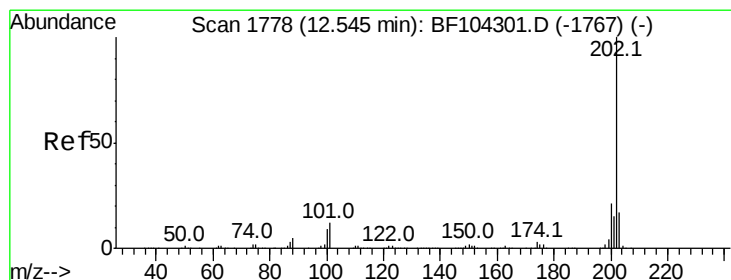
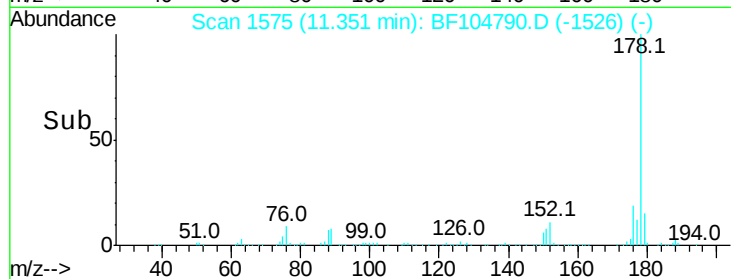
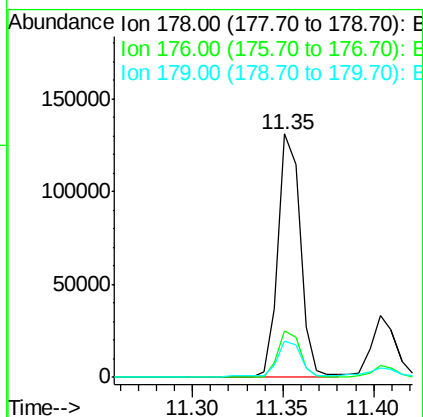
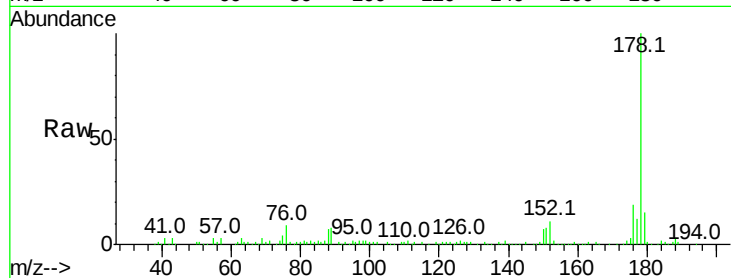




#70
Phenanthrene
Concen: 5.303 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

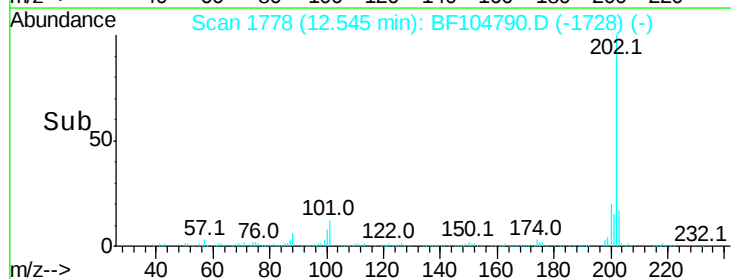
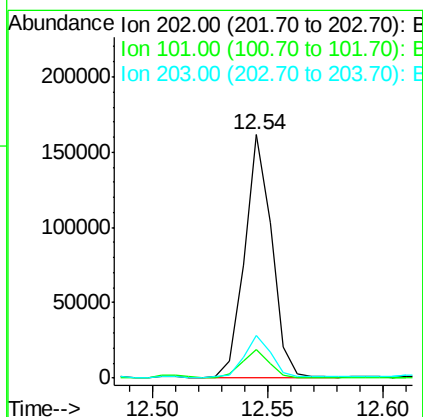
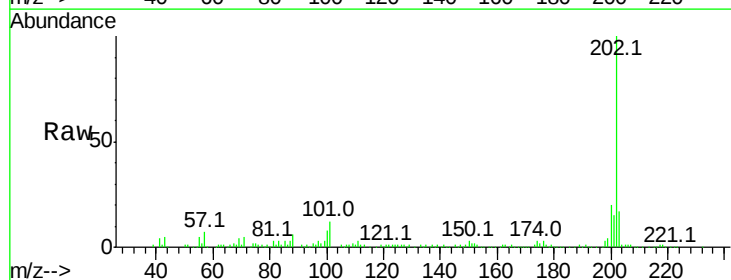
Instrument :
BNA_F
ClientSampleId :

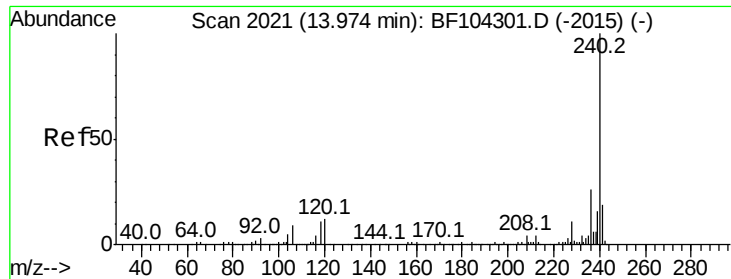
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.1	13.0	19.6



#74
Fluoranthene
Concen: 5.914 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

Instrument :

BNA_F

ClientSampleId :

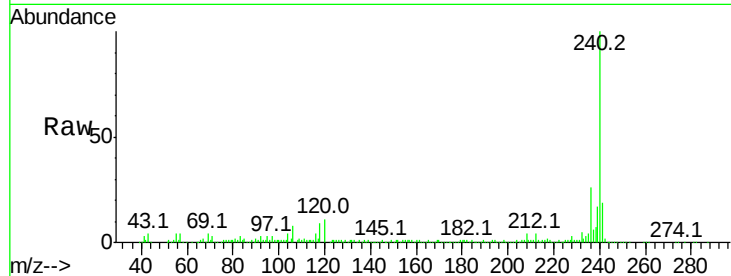
Tot Ion:240 Resp: 230965

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

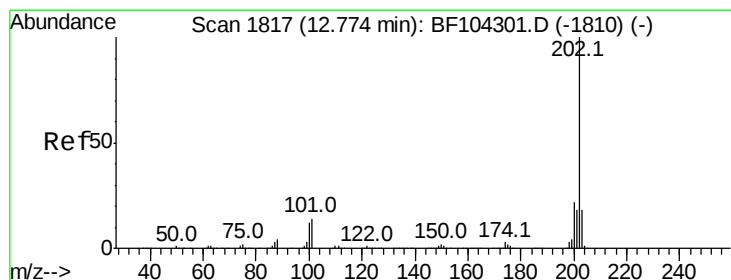
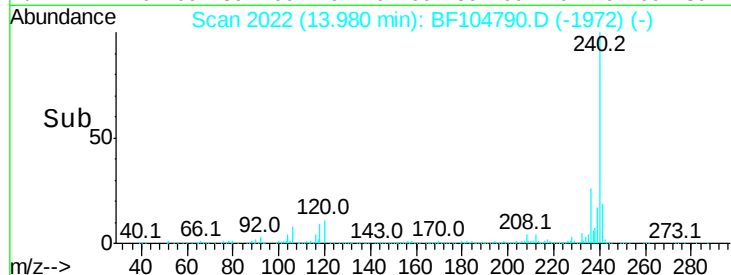
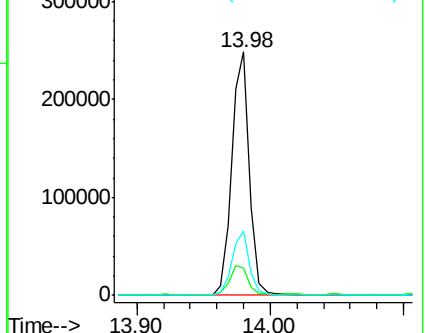
236 26.3 20.7 31.1



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



#77

Pyrene

Concen: 7.038 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

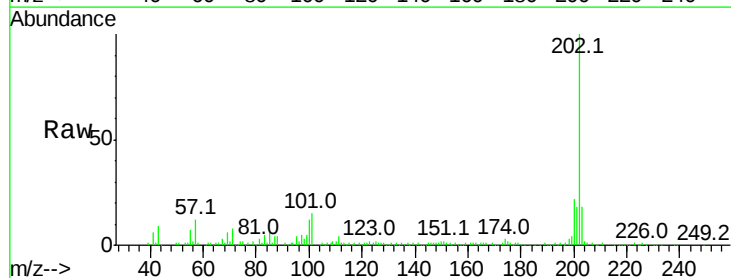
Tgt Ion:202 Resp: 120495

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

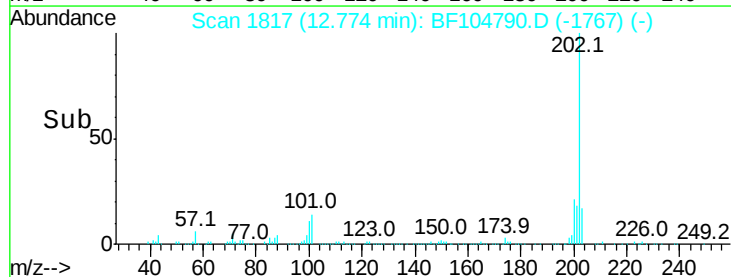
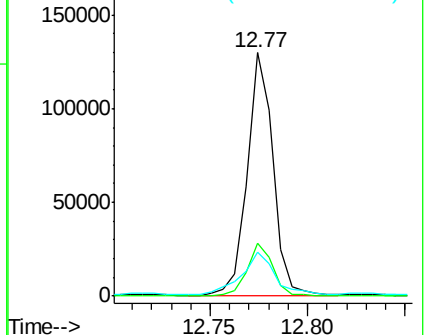
203 18.1 14.3 21.5

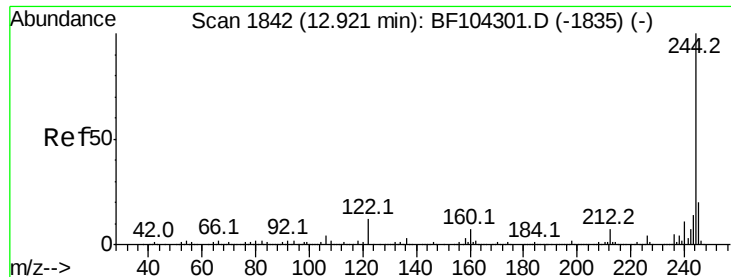


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

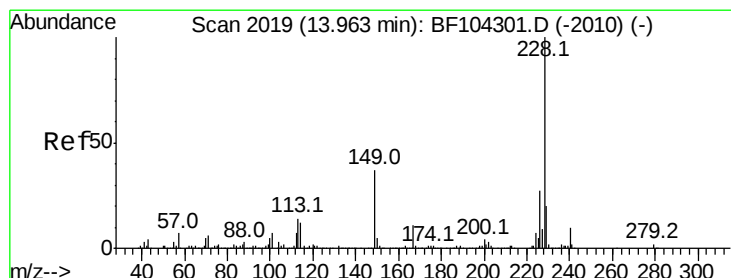
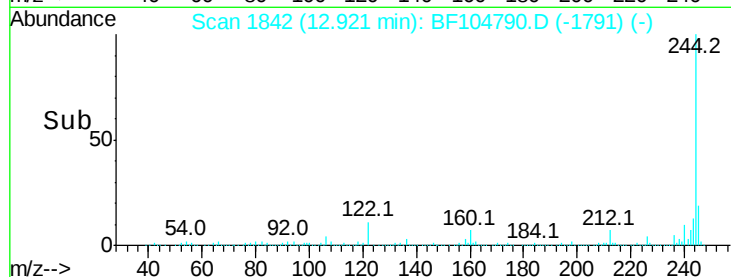
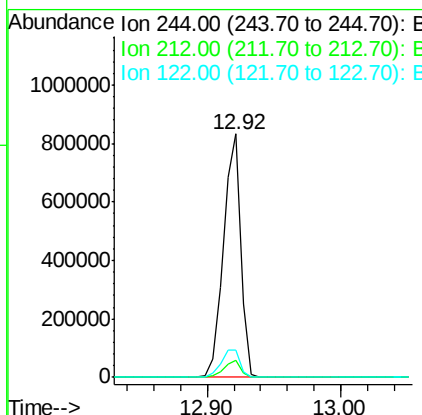
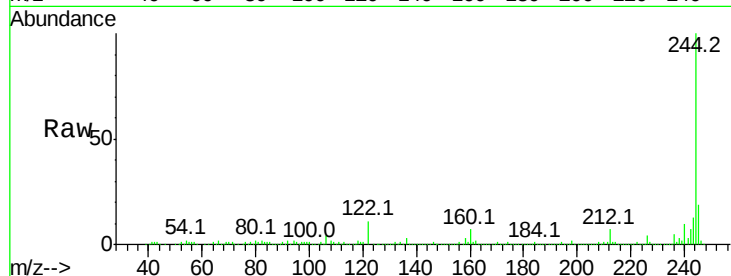




#78
 Terphenyl-d14
 Concen: 75.642 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104790.D
 Acq: 25 Apr 2018 15:52

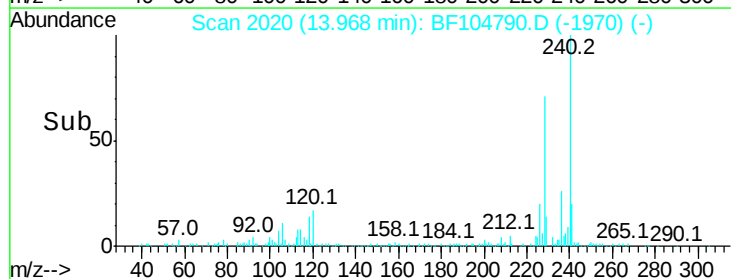
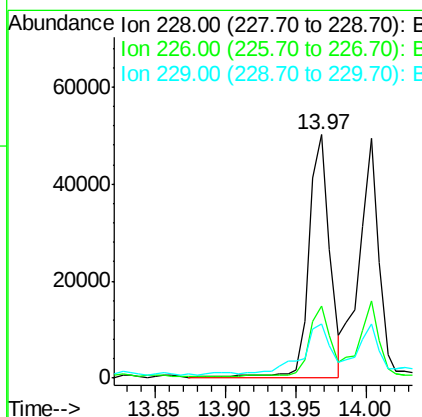
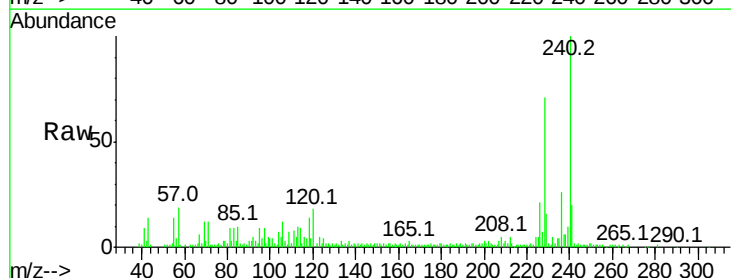
Instrument :
 BNA_F
 ClientSampleId :

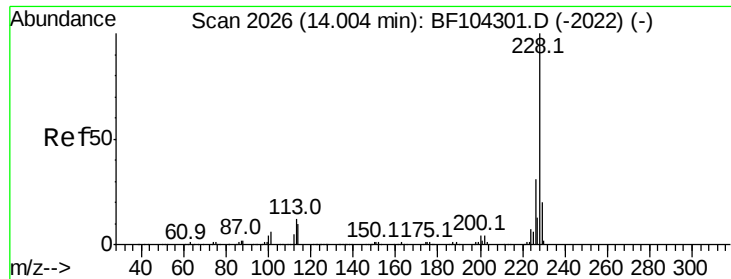
Tot Ion:244 Resp: 766312
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.762 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104790.D
 Acq: 25 Apr 2018 15:52

Tgt Ion:228 Resp: 51904
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 22.3 15.8 23.6

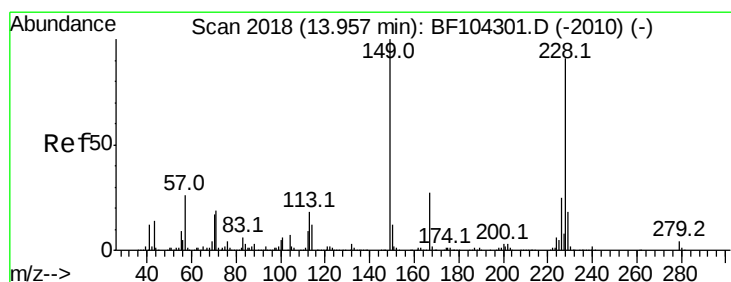
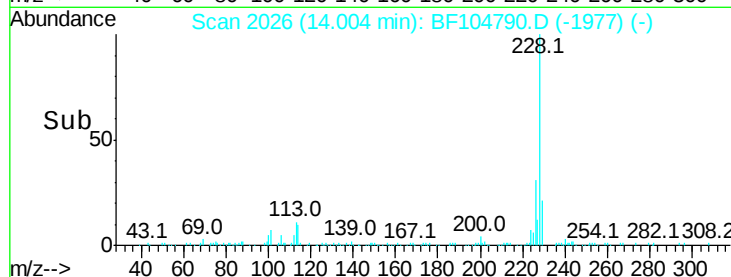
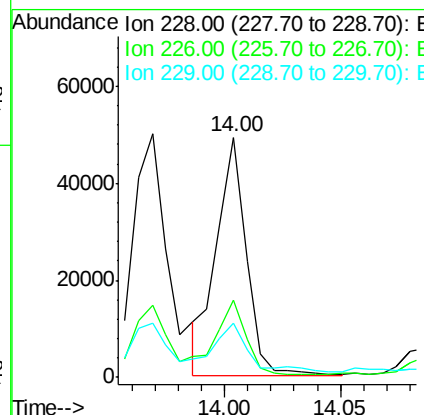
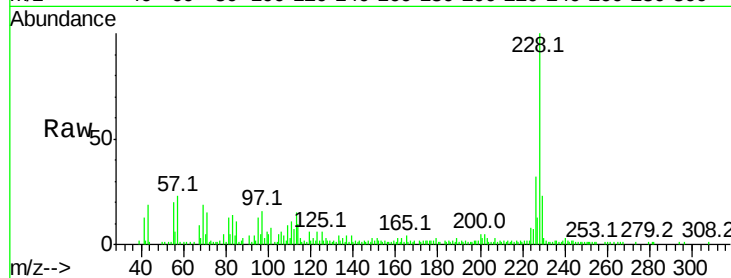




#82
Chrysene
Concen: 3.141 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

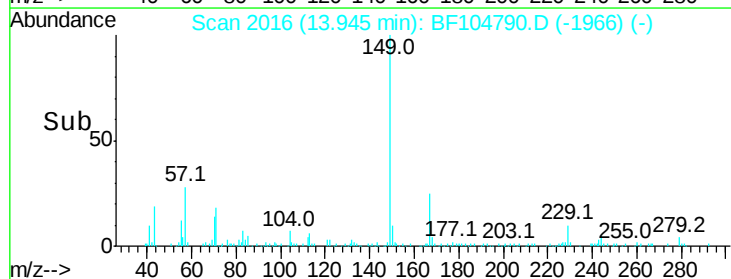
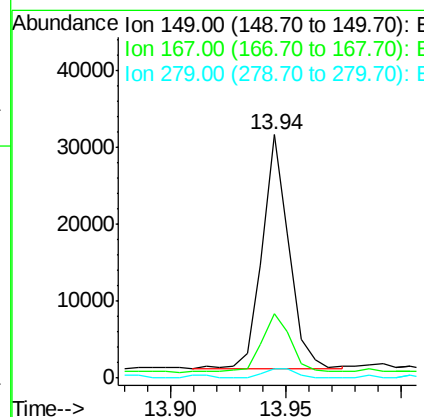
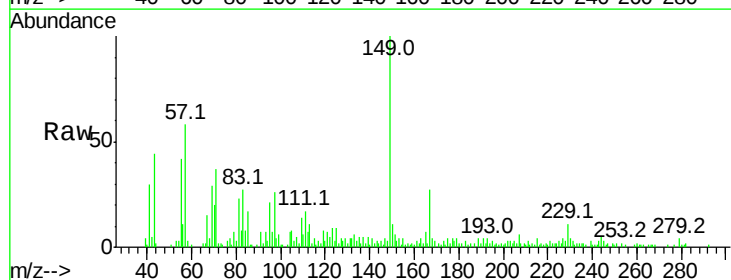
Instrument :
BNA_F
ClientSampleId :

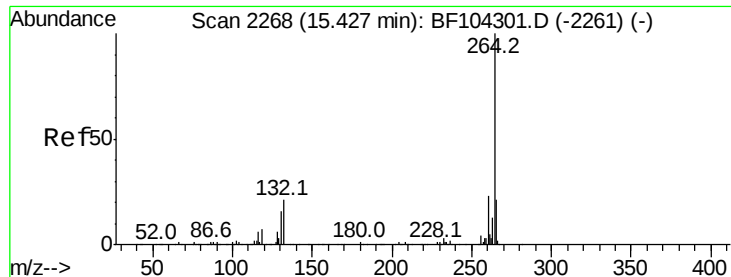
Tot Ion:228 Resp: 44514
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.6
229 22.6 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.374 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

Tgt Ion:149 Resp: 24633
Ion Ratio Lower Upper
149 100
167 26.7 21.3 31.9
279 3.8 3.0 4.4

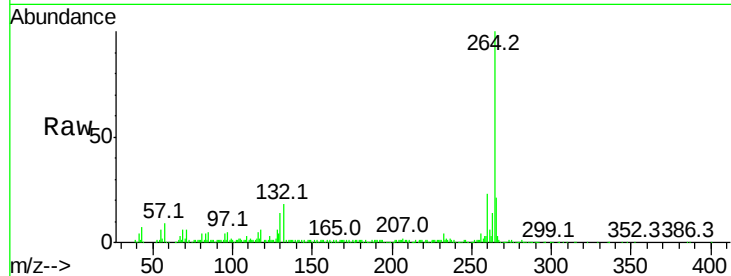




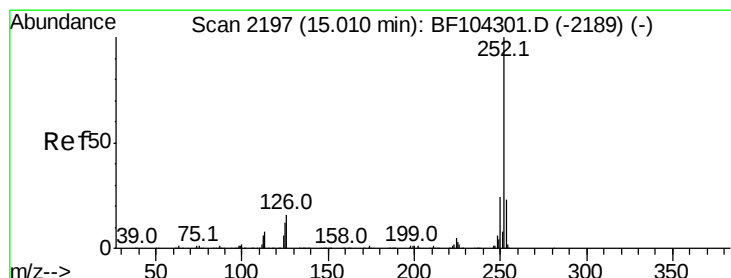
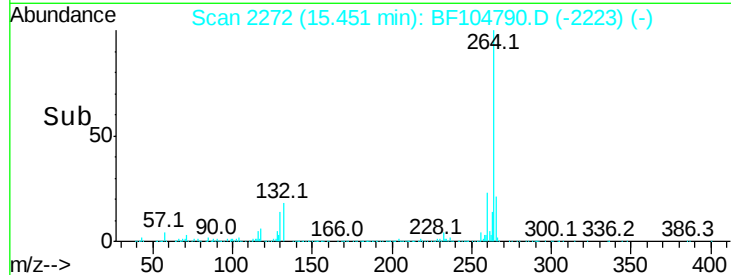
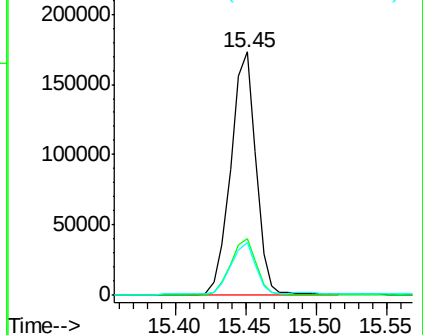
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 216794
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.5 17.5 26.3

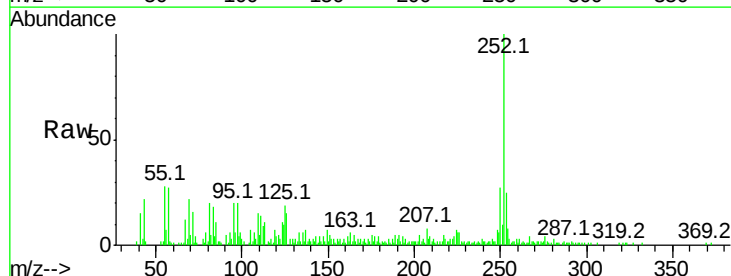


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

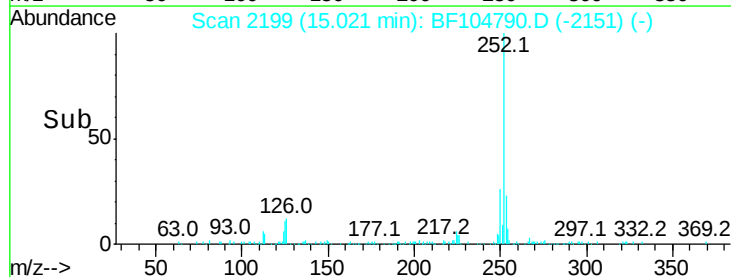
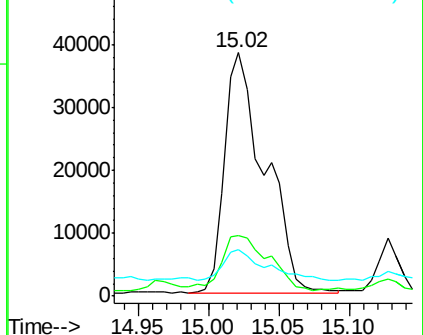


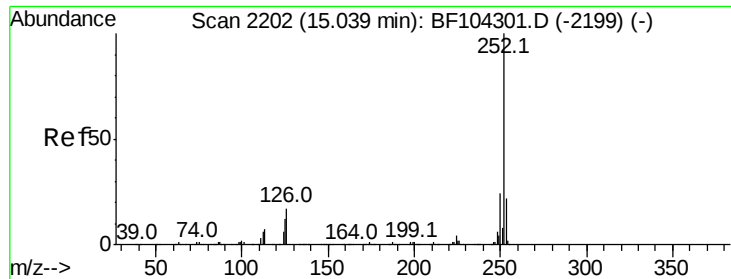
#87
Benzo(b)fluoranthene
Concen: 5.551 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104790.D
Acq: 25 Apr 2018 15:52

Tgt Ion:252 Resp: 76013
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 19.0 9.0 13.6#



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





#88

Benzo(k)fluoranthene

Concen: 5.880 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF104790.D

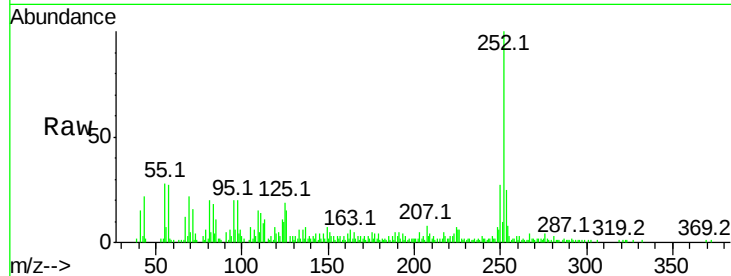
Acq: 25 Apr 2018 15:52

Instrument :

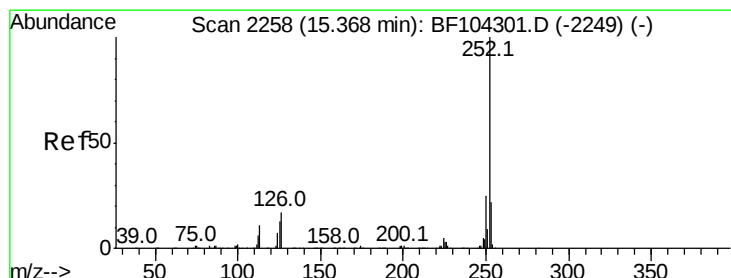
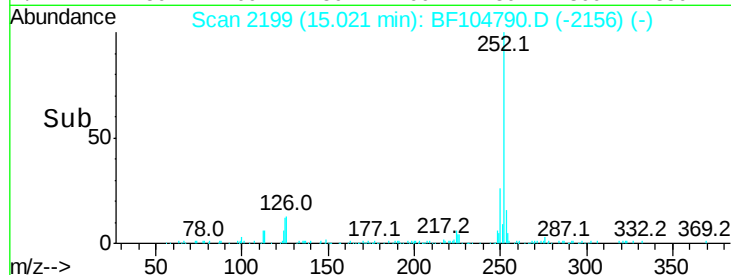
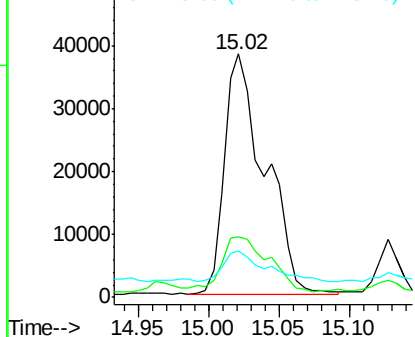
BNA_F

ClientSampled :

Tot Ion:252	Resp:	76013
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.9 26.9
125	19.0	10.2 15.2#



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(a)pyrene

Concen: 3.238 ng

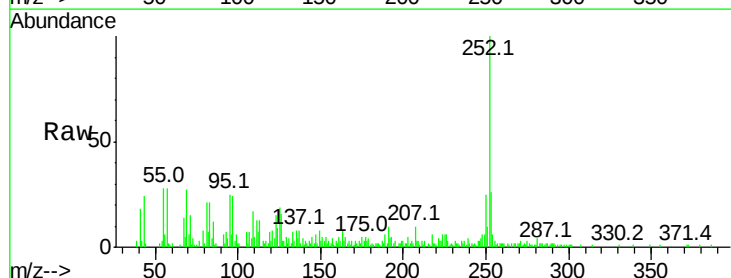
RT: 15.39 min Scan# 2261

Delta R.T. -0.02 min

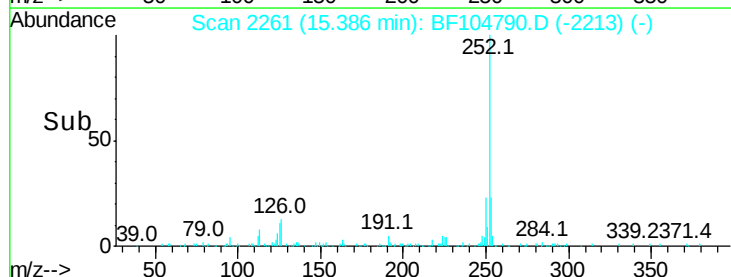
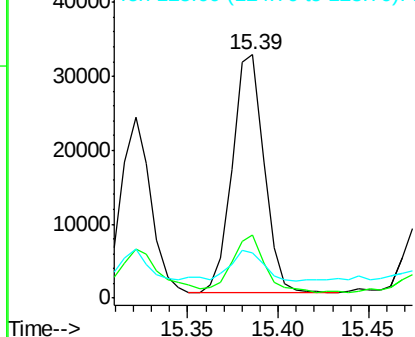
Lab File: BF104790.D

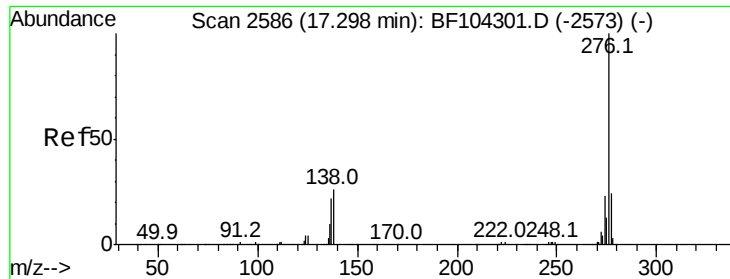
Acq: 25 Apr 2018 15:52

Tgt Ion:252	Resp:	39675
Ion Ratio	Lower	Upper
252	100	
253	26.0	17.1 25.7#
125	18.7	9.8 14.6#



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





#91

Benzo(a,h,i)perylene

Concen: 2.261 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.03 min

Lab File: BF104790.D

Acq: 25 Apr 2018 15:52

Instrument :

BNA_F

ClientSampleId :

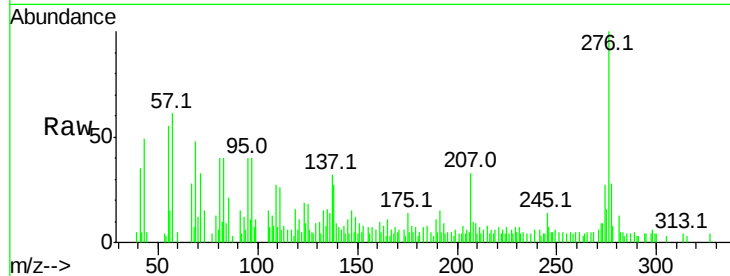
Tot Ion: 276 Resp: 22045

Ion Ratio Lower Upper

276 100

277 28.2 17.9 26.9#

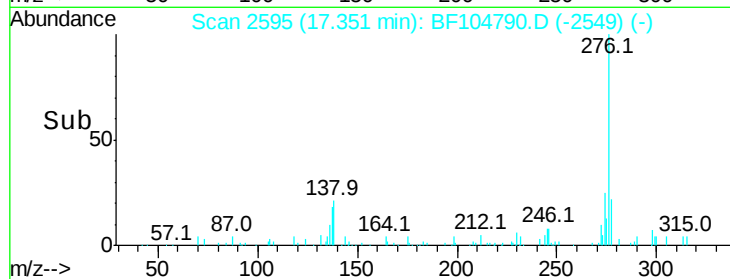
138 26.5 21.8 32.8



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



Time-->

