

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104712.D
 Acq On : 23 Apr 2018 16:27
 Operator : JU/SJ
 Sample : J2499-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 17:32:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	126360	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	509258	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	211005	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	340684	20.00	ng	0.00
75) Chrysene-d12	13.99	240	230824	20.00	ng	0.00
86) Perylene-d12	15.46	264	181643	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	732058	88.58	ng	0.02
7) Phenol-d6	6.46	99	871317	85.81	ng	0.01
23) Nitrobenzene-d5	7.37	82	497548	63.80	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	165608	75.66	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	866326	64.86	ng	0.00
78) Terphenyl-d14	12.93	244	702266	69.36	ng	0.00

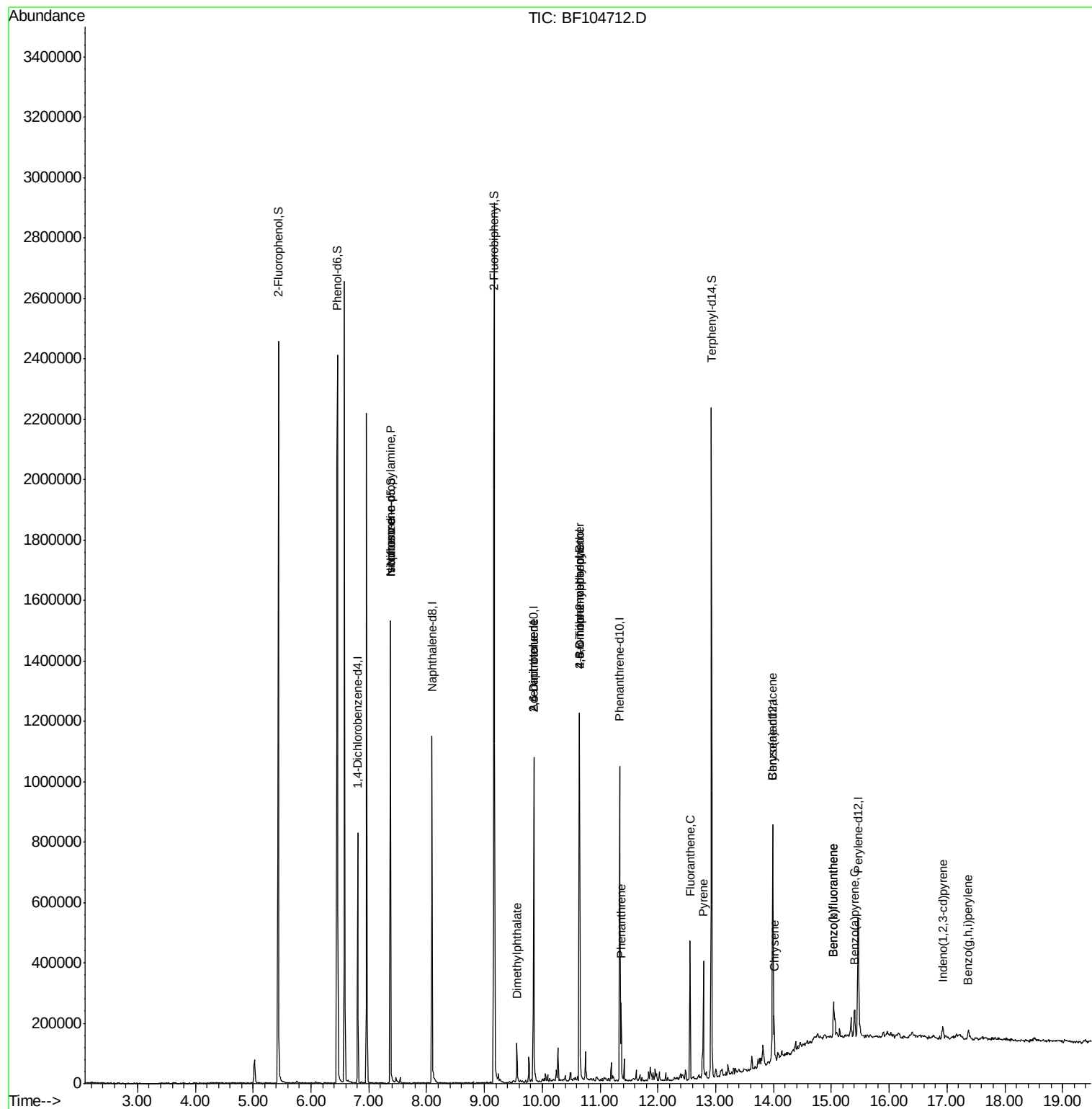
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	1401	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	65464	9.866	ng	# 71
25) Isophorone	7.37	82	497540	30.169	ng	# 64
49) Dimethylphthalate	9.56	163	52238	3.139	ng	# 98
50) 2,6-Dinitrotoluene	9.85	165	26936	8.748	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	26936	6.670	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.64	198	144	7.421	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	10405	2.871	ng	# 1
70) Phenanthrene	11.36	178	82876	4.368	ng	# 97
74) Fluoranthene	12.56	202	169011	8.526	ng	# 97
76) Benzdine	12.93	184	9229	Below Cal		# 95
77) Pyrene	12.79	202	142731	8.342	ng	# 98
80) Benzo(a)anthracene	13.98	228	69437	5.035	ng	# 98
82) Chrysene	14.02	228	58873	4.156	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.93	276	25724	2.138	ng	# 92
87) Benzo(b)fluoranthene	15.04	252	84359	7.353	ng	# 93
88) Benzo(k)fluoranthene	15.04	252	84359	7.789	ng	# 96
89) Benzo(a)pyrene	15.40	252	43881	4.275	ng	# 95
91) Benzo(a,h,i)perylene	17.37	276	24383	2.985	ng	# 95

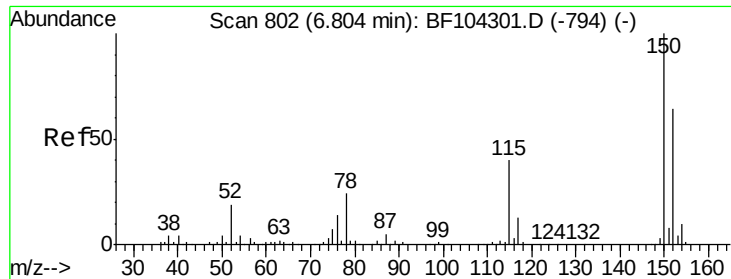
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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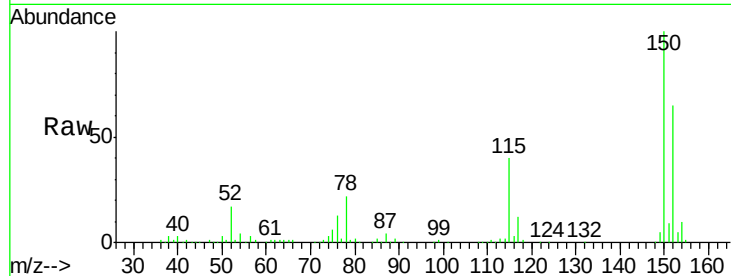


#1

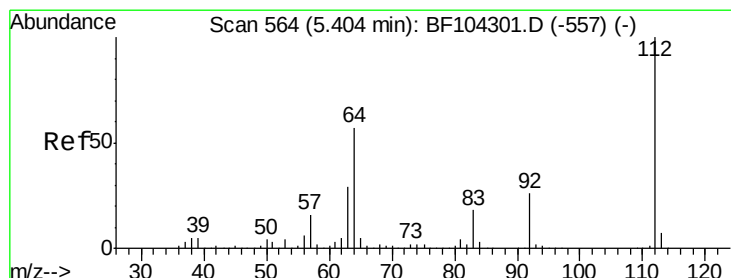
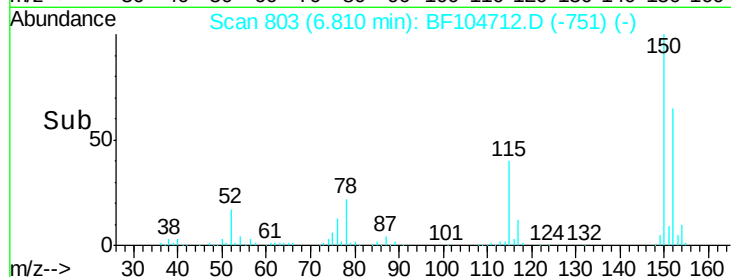
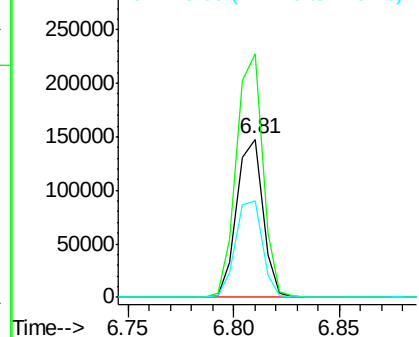
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126360
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 61.4 50.1 75.1



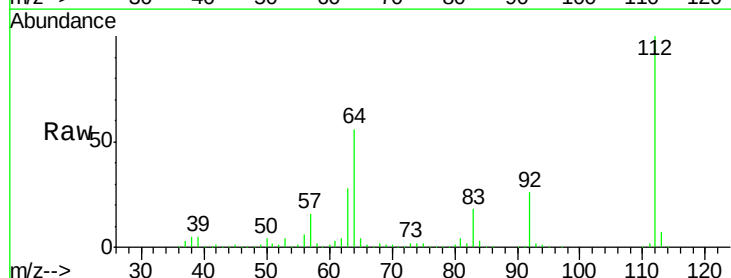
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



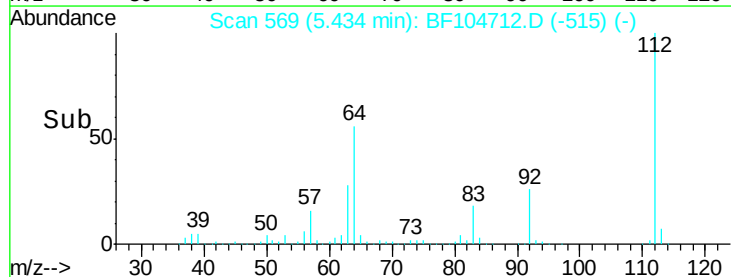
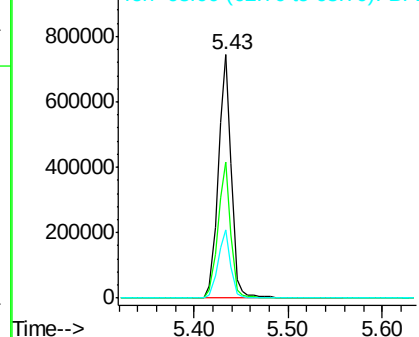
#5

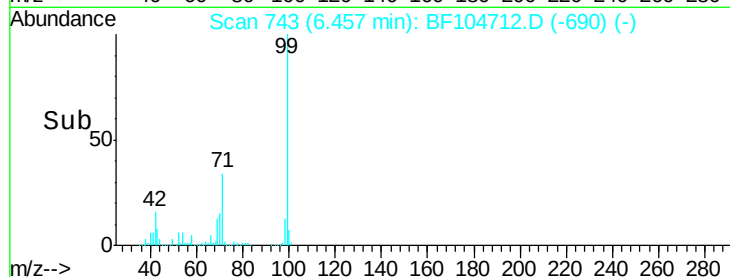
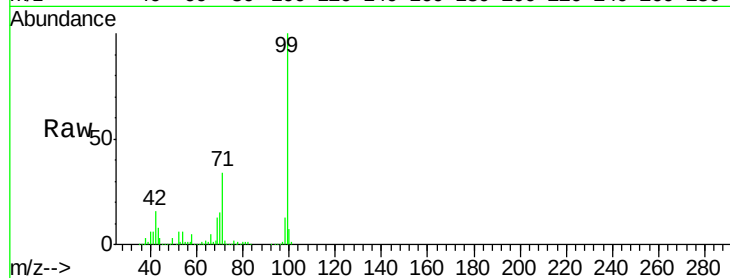
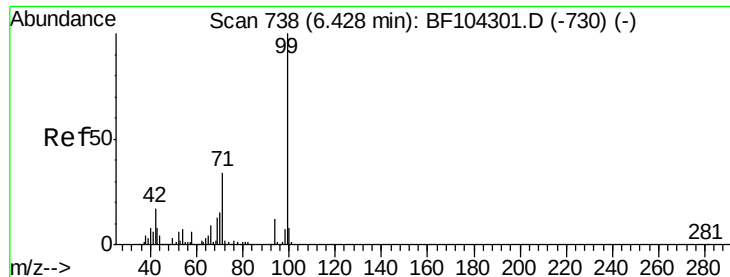
2-Fluorophenol
Concen: 88.585 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Tgt Ion:112 Resp: 732058
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.2 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: 85.813 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Instrument :

BNA_F

ClientSampled :

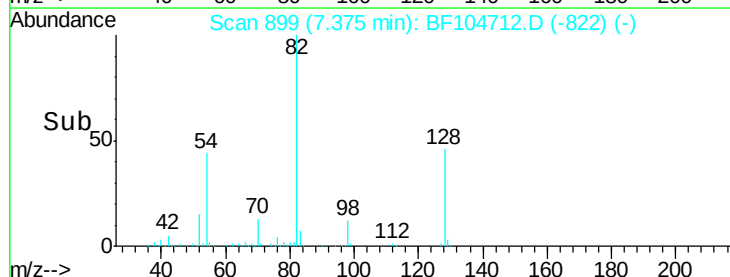
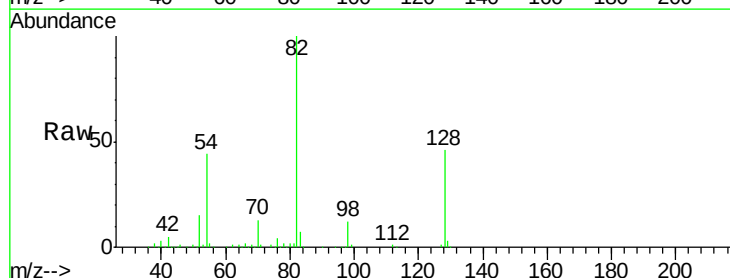
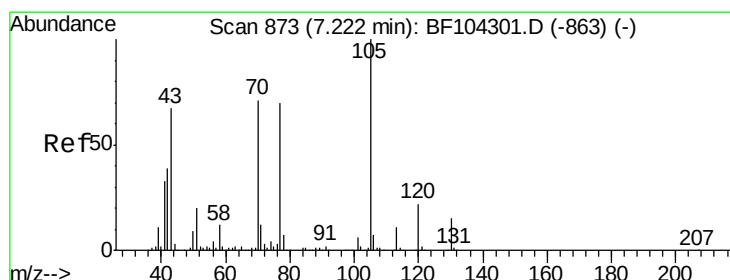
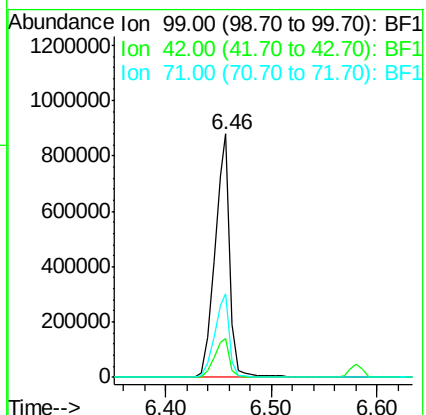
Tot Ion: 99 Resp: 871317

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 34.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.866 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Tgt Ion: 70 Resp: 65464

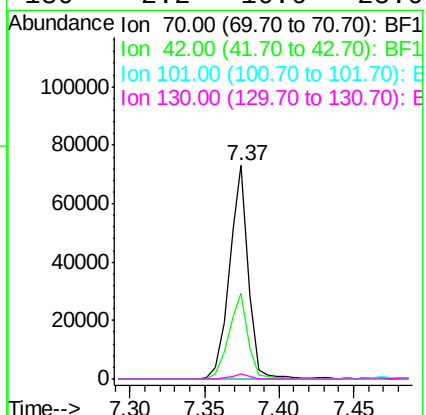
Ion Ratio Lower Upper

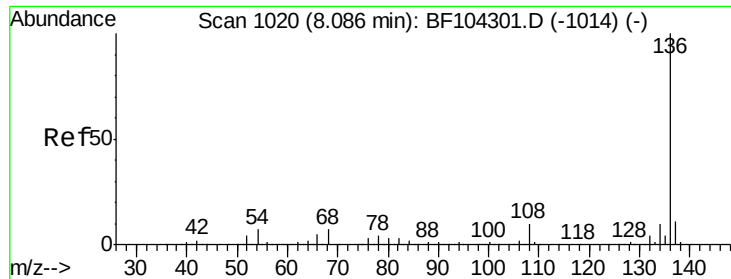
70 100

42 40.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

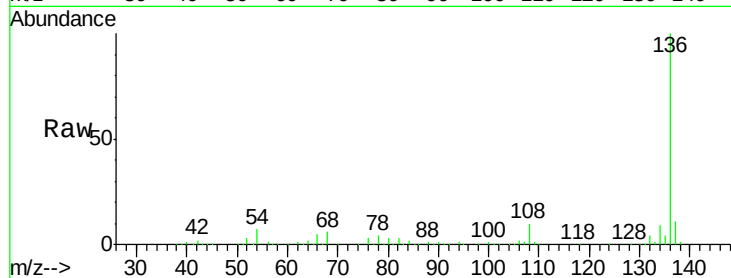




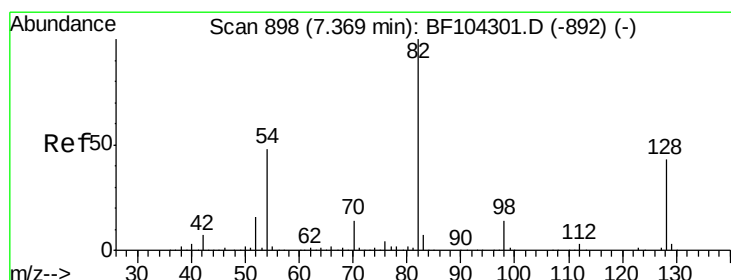
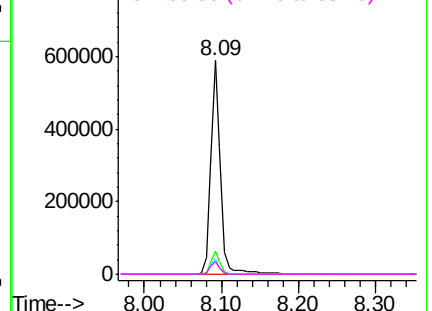
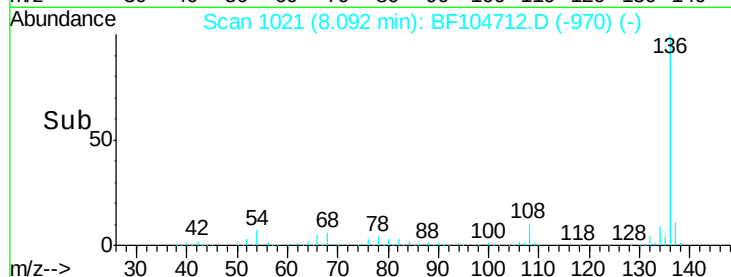
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	509258
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.9	6.6 9.8
68	5.9	5.0 7.4

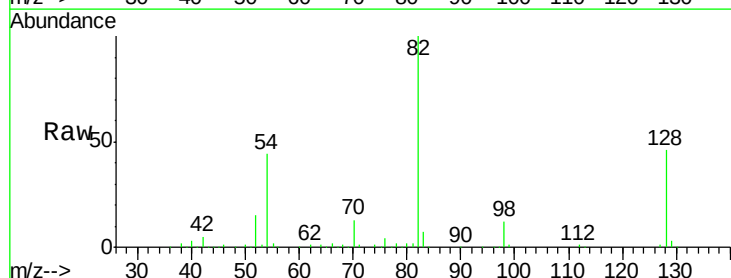


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

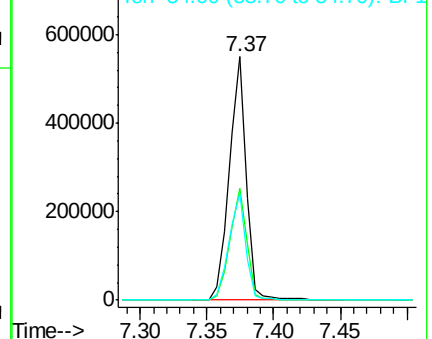
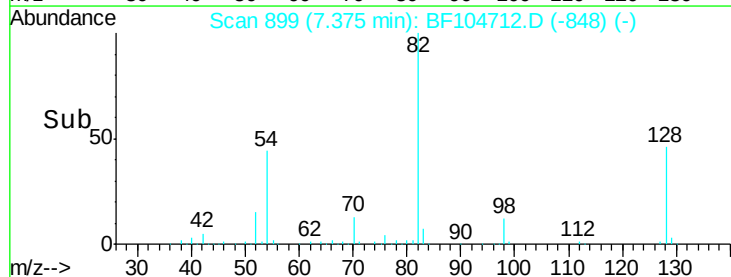


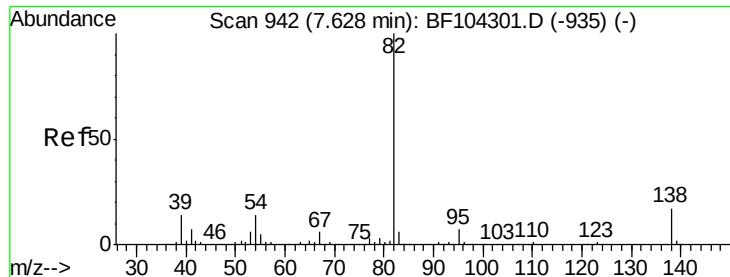
#23
Nitrobenzene-d5
Concen: 63.797 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Tgt Ion: 82	Resp:	497548
Ion Ratio	Lower	Upper
82	100	
128	45.8	36.1 54.1
54	43.9	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





#25

Isophorone

Concen: 30.169 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Instrument :

BNA_F

ClientSampleId :

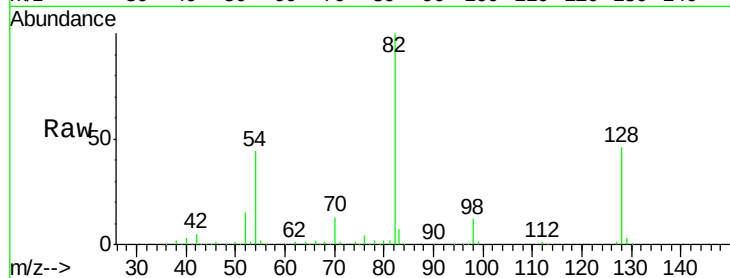
Tot Ion: 82 Resp: 497540

Ion Ratio Lower Upper

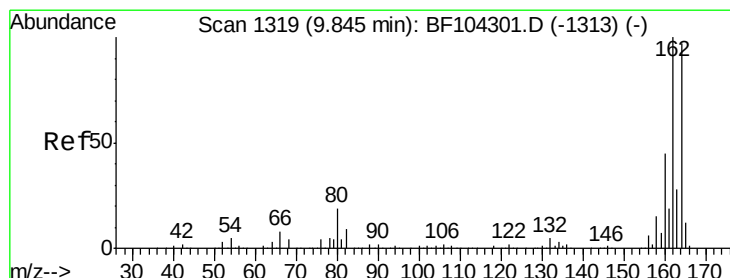
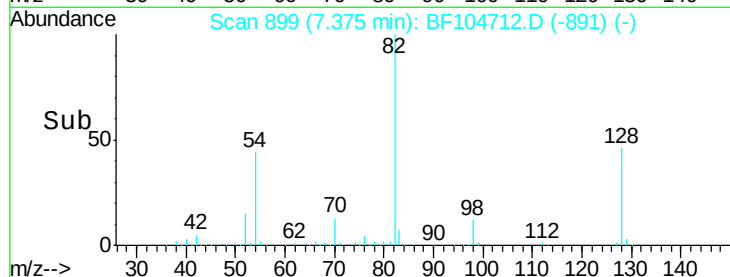
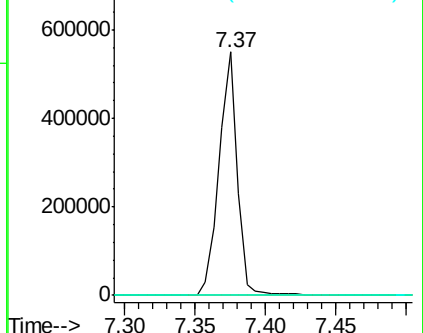
82 100

95 0.0 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: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

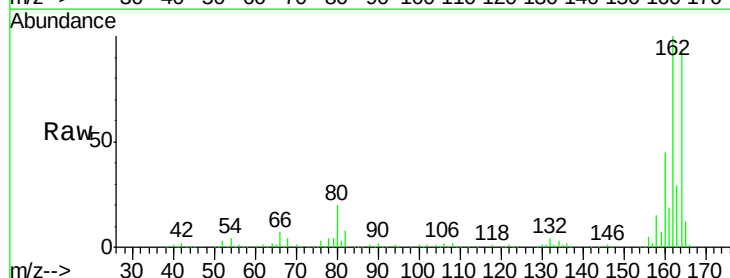
Tgt Ion:164 Resp: 211005

Ion Ratio Lower Upper

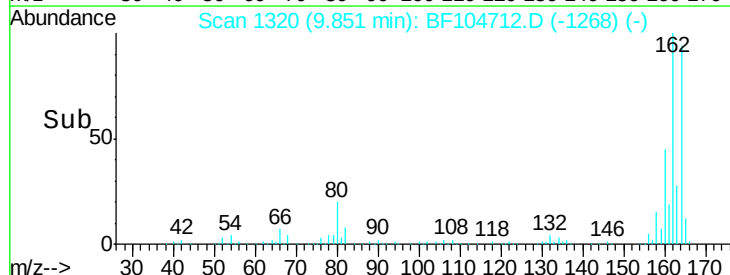
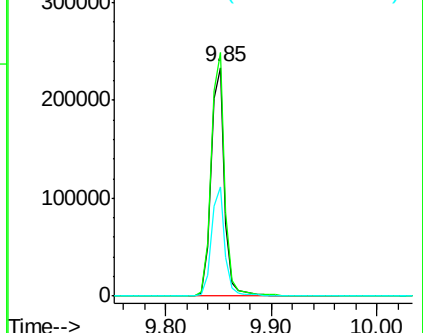
164 100

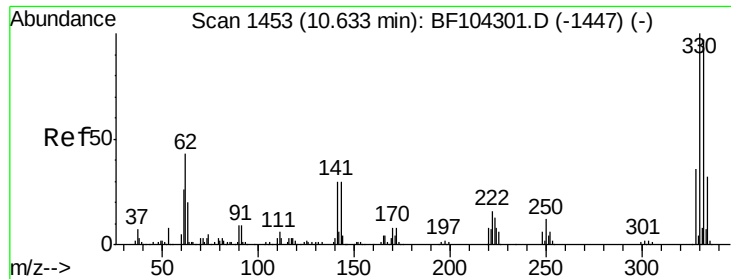
162 106.6 86.1 129.1

160 48.0 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: 75.661 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Instrument :

BNA_F

ClientSampled :

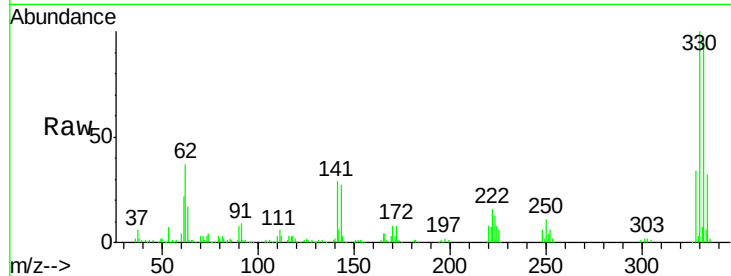
Tot Ion:330 Resp: 165608

Ion Ratio Lower Upper

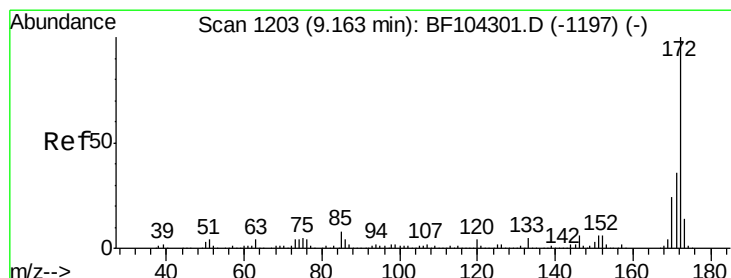
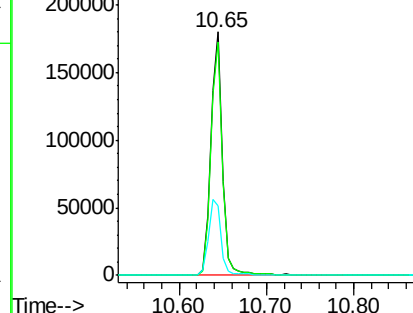
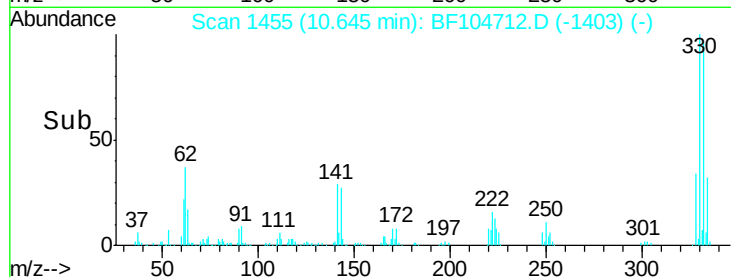
330 100

332 96.3 77.0 115.6

141 33.8 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: 64.860 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

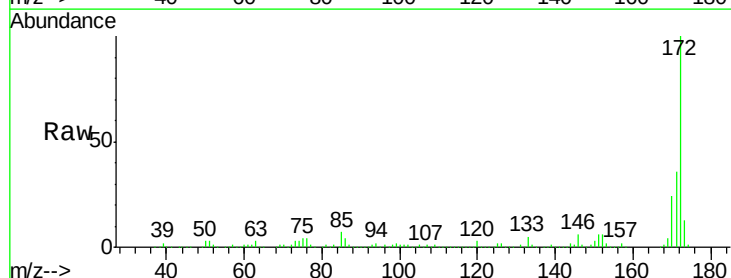
Tgt Ion:172 Resp: 866326

Ion Ratio Lower Upper

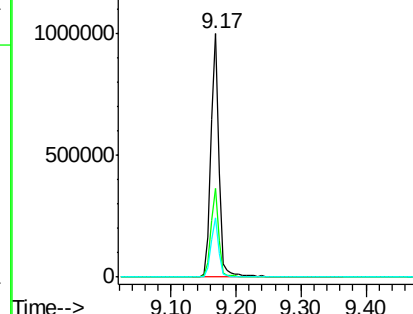
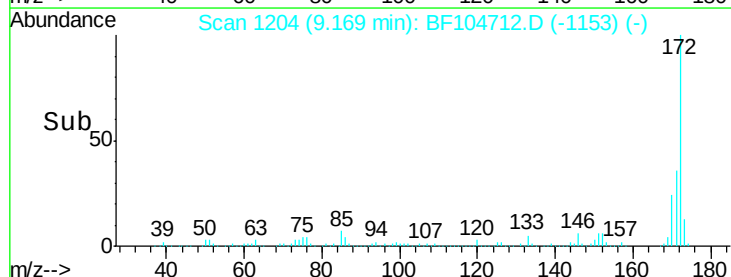
172 100

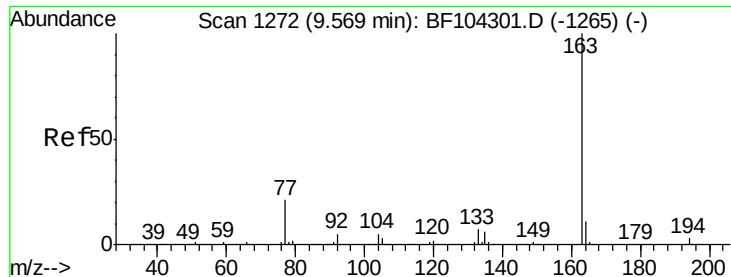
171 36.4 29.7 44.5

170 24.2 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: 3.139 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Instrument :

BNA_F

ClientSampleId :

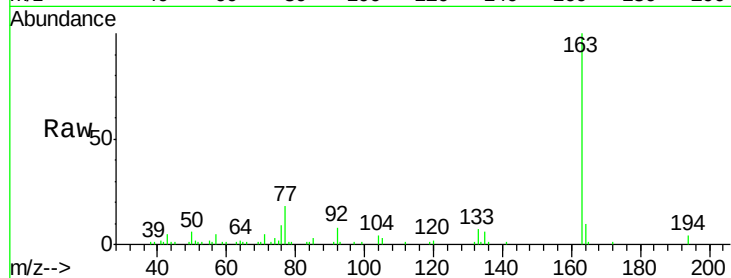
Tot Ion:163 Resp: 52238

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

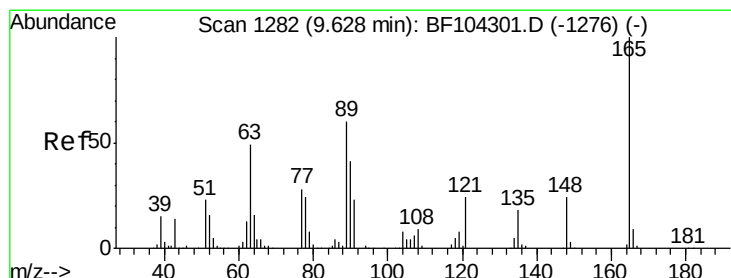
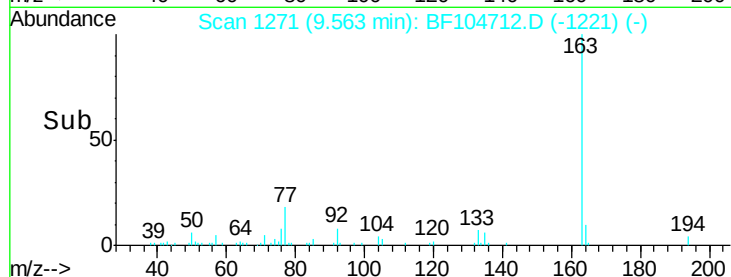
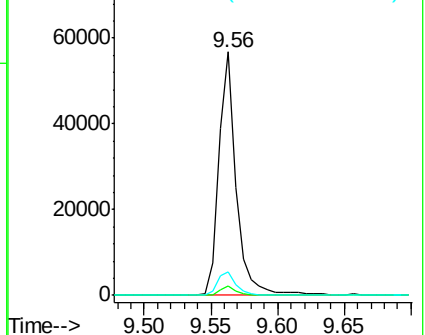
164 9.5 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.748 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

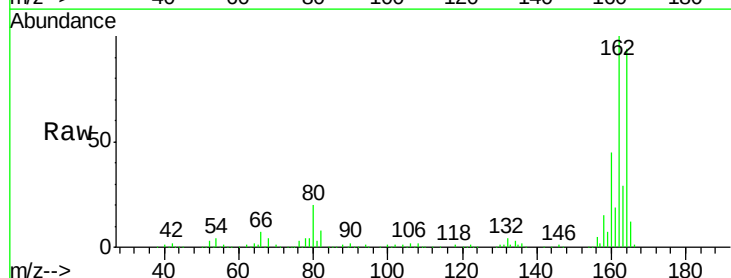
Tgt Ion:165 Resp: 26936

Ion Ratio Lower Upper

165 100

63 2.0 44.7 67.1#

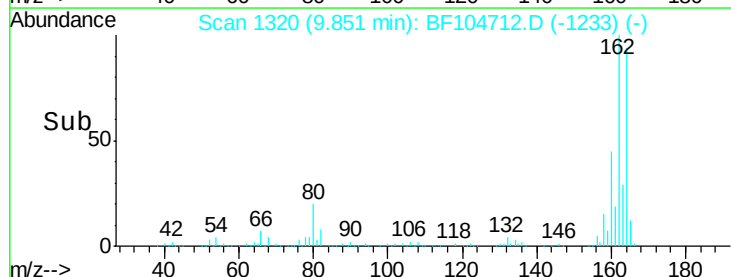
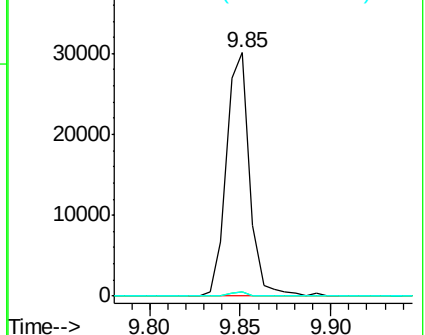
89 2.0 44.0 66.0#

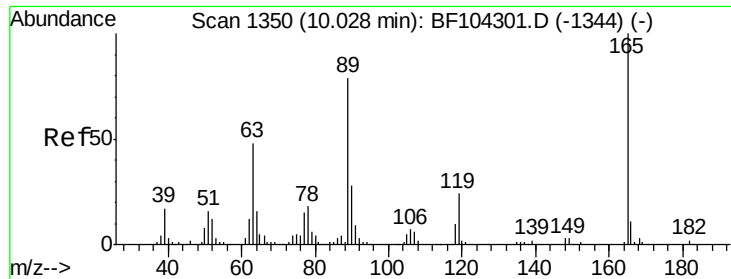


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

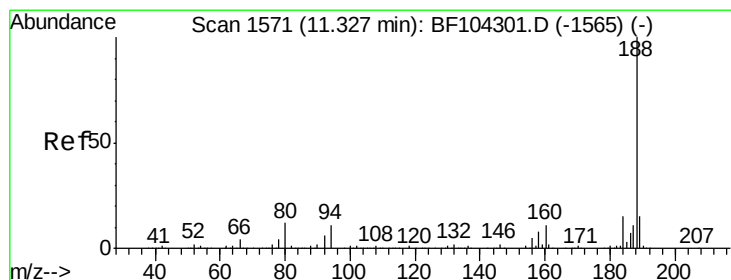
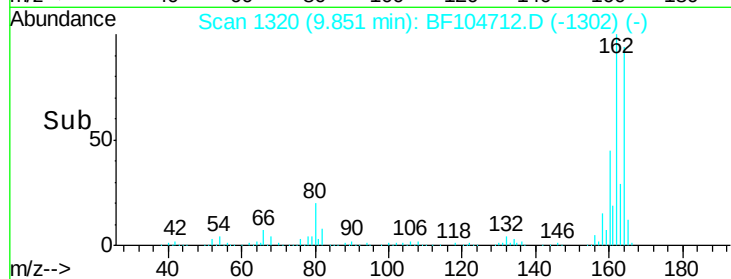
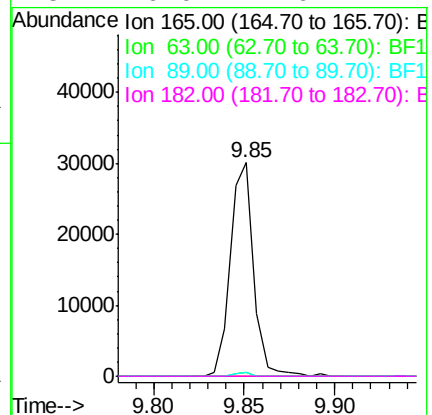
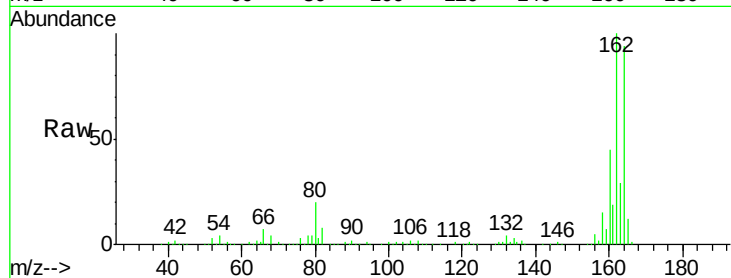




#56
 2,4-Dinitrotoluene
 Concen: 6.670 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104712.D
 Acq: 23 Apr 2018 16:27

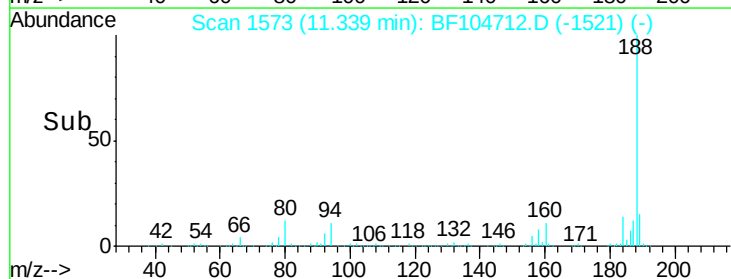
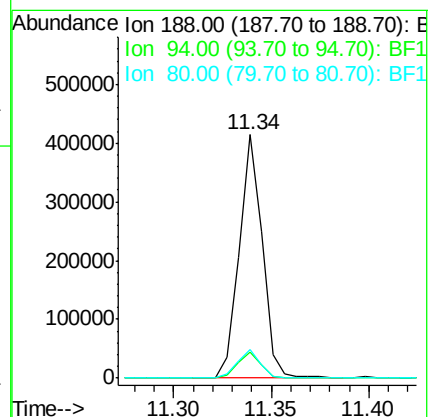
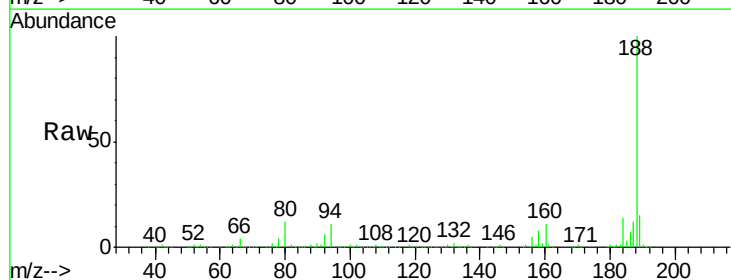
Instrument :
 BNA_F
 ClientSampleId :

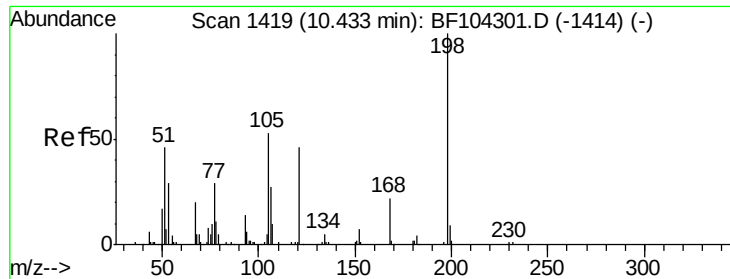
Tot Ion:165	Resp:	26936
Ion Ratio	Lower	Upper
165	100	
63	2.0	36.4 54.6#
89	2.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104712.D
 Acq: 23 Apr 2018 16:27

Tgt Ion:188	Resp:	340684
Ion Ratio	Lower	Upper
188	100	
94	10.6	8.5 12.7
80	11.9	9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.421 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Instrument :

BNA_F

ClientSampled :

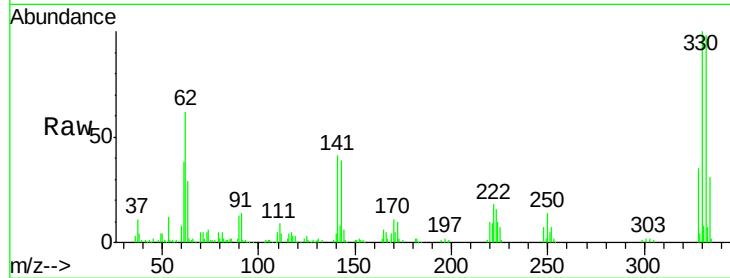
Tot Ion:198 Resp: 144

Ion Ratio Lower Upper

198 100

51 218.9 37.7 77.7#

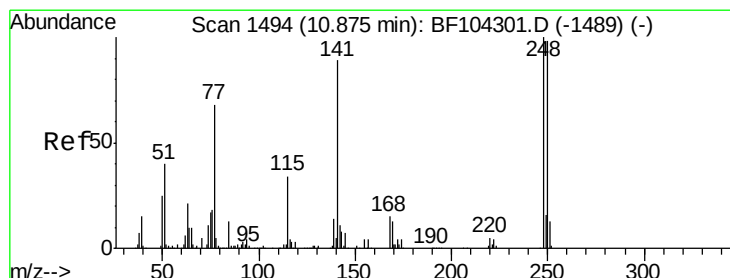
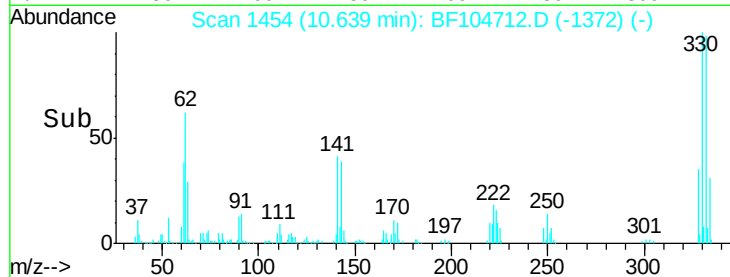
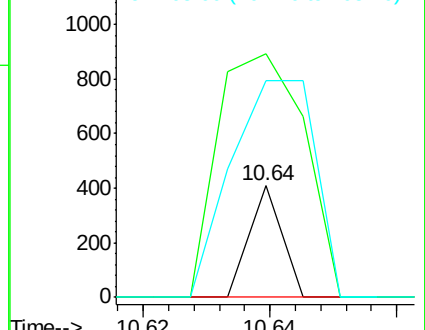
105 194.9 36.3 76.3#



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: 2.871 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.23 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

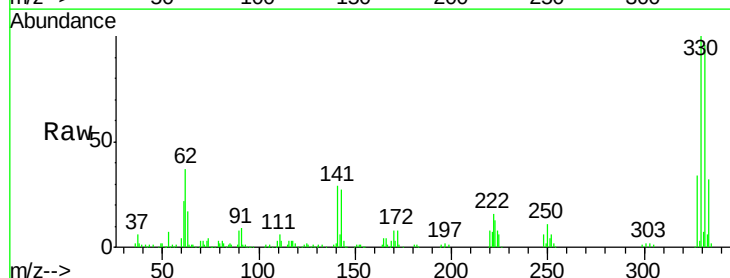
Tgt Ion:248 Resp: 10405

Ion Ratio Lower Upper

248 100

250 195.1 76.9 115.3#

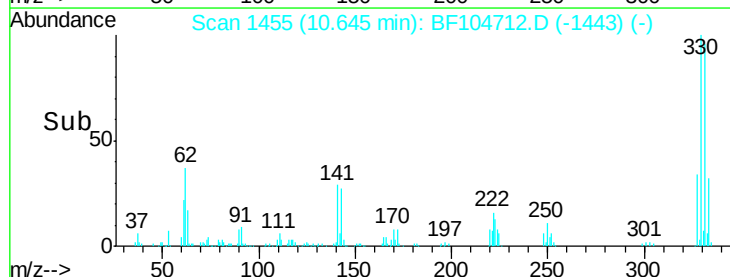
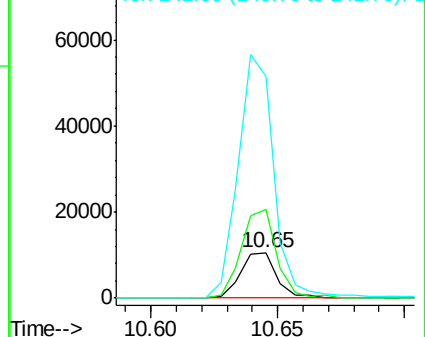
141 490.0 74.4 111.6#

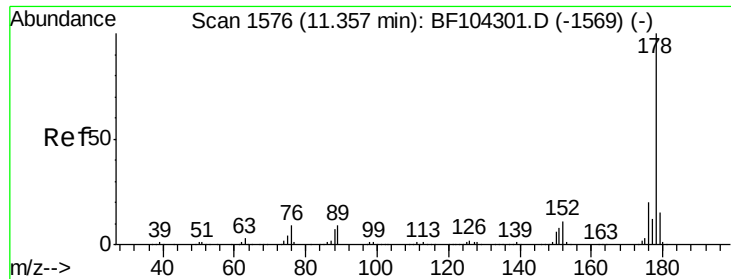


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

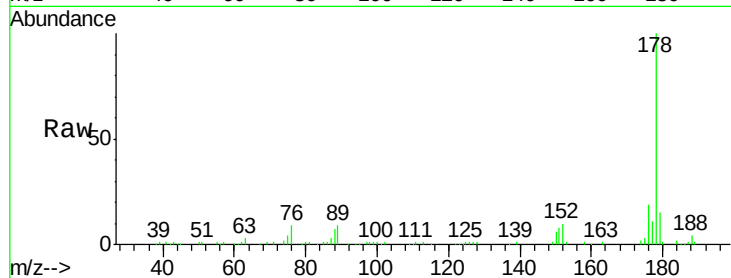




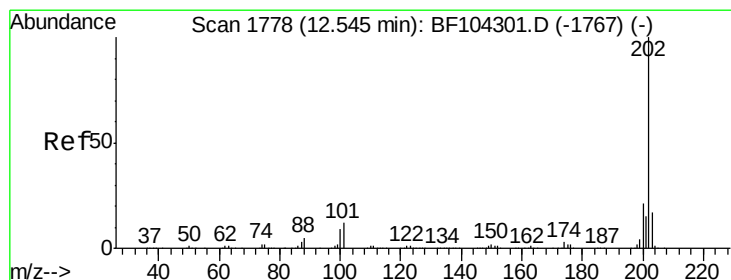
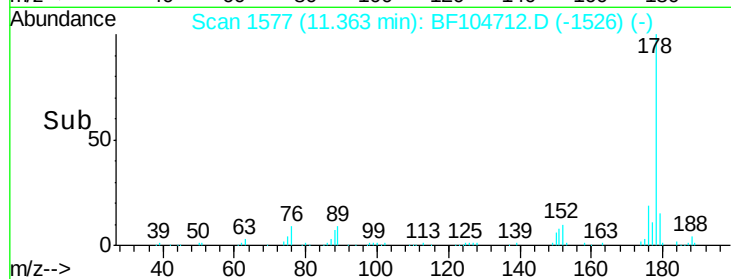
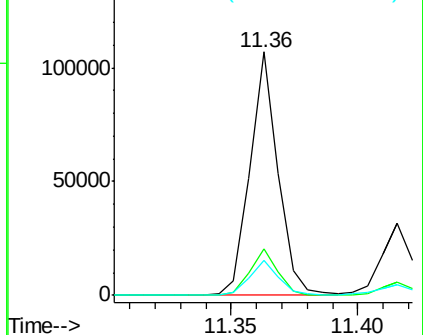
#70
Phenanthrene
Concen: 4.368 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 82876
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 14.6 13.0 19.6

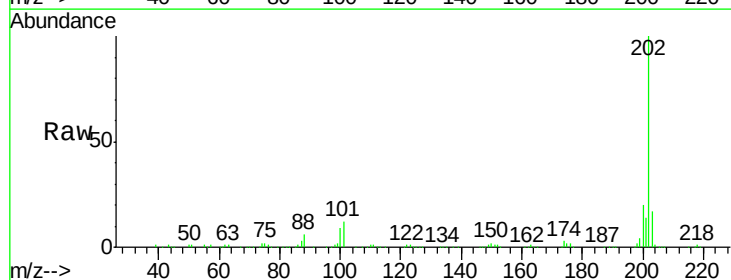


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

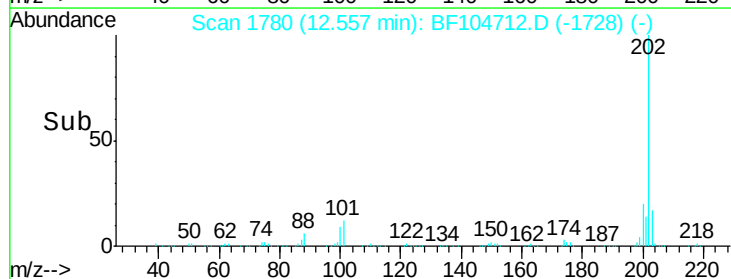
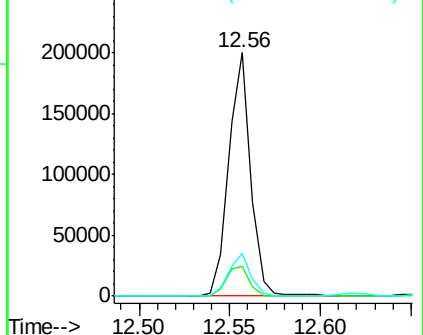


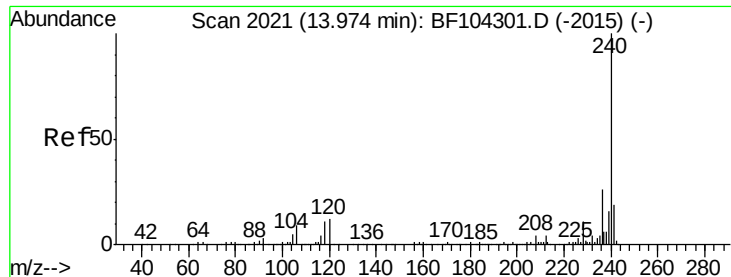
#74
Fluoranthene
Concen: 8.526 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Tgt Ion:202 Resp: 169011
Ion Ratio Lower Upper
202 100
101 12.2 0.0 34.1
203 17.3 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Instrument :

BNA_F

ClientSampleId :

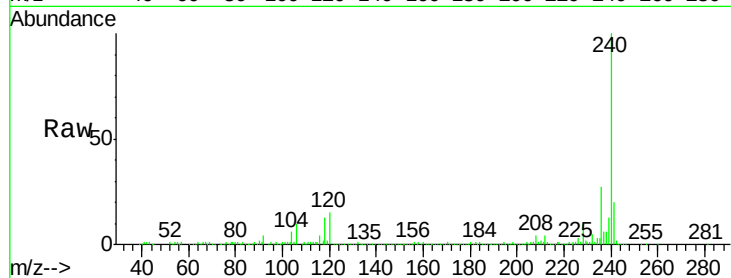
Tot Ion:240 Resp: 230824

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

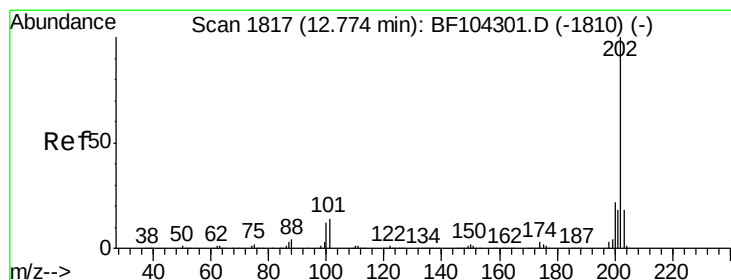
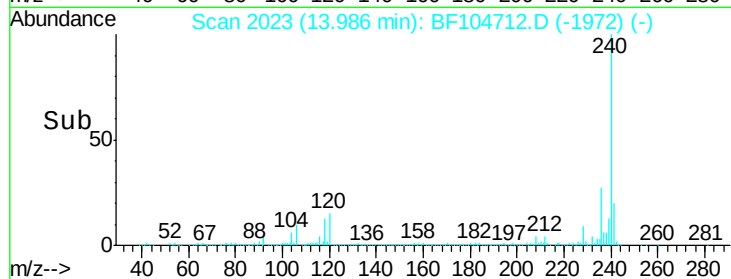
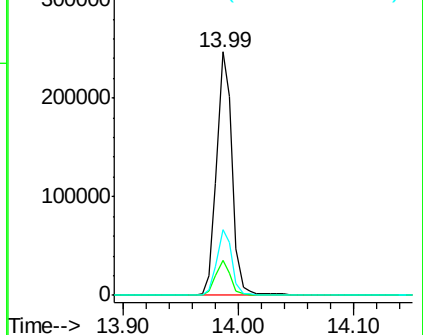
236 27.1 20.7 31.1



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: 8.342 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

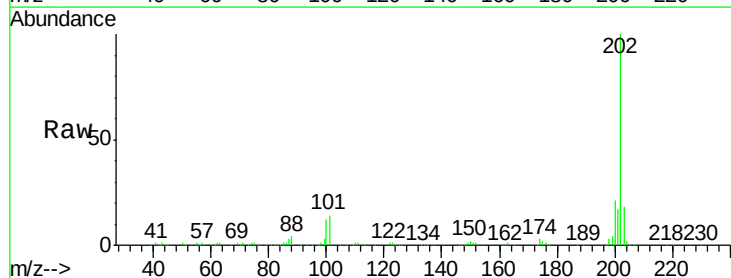
Tgt Ion:202 Resp: 142731

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

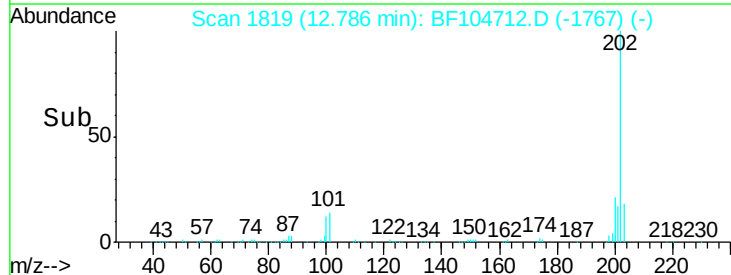
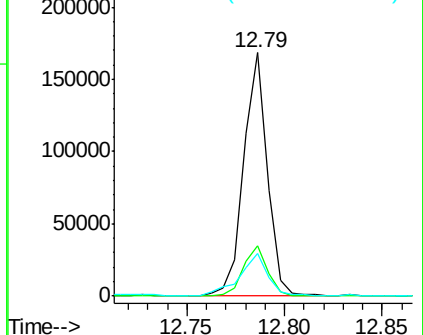
203 17.7 14.3 21.5

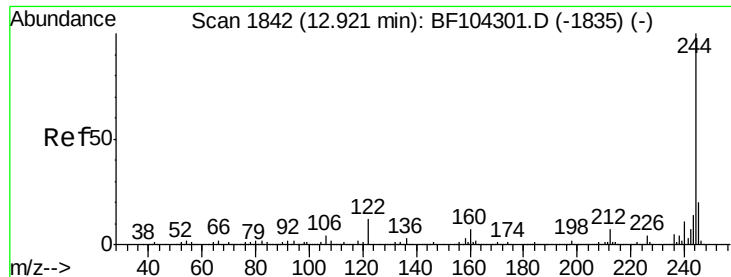


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

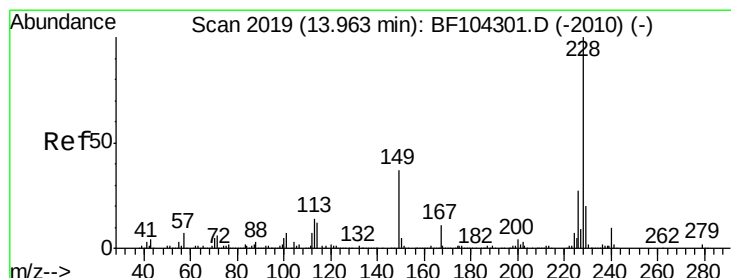
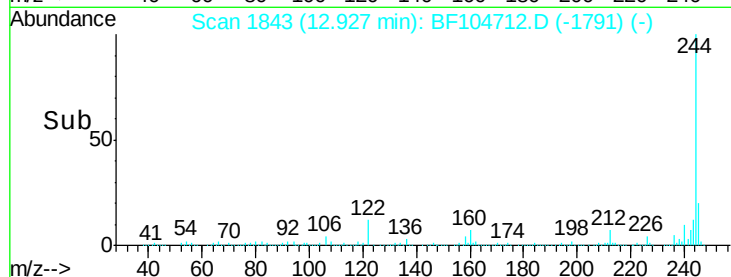
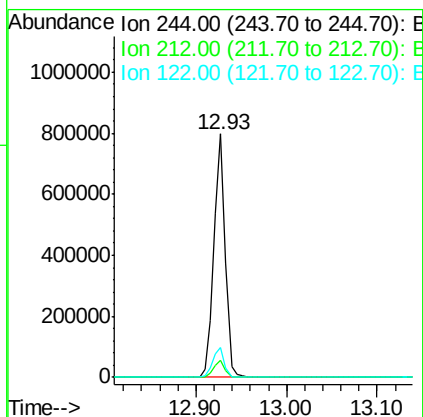
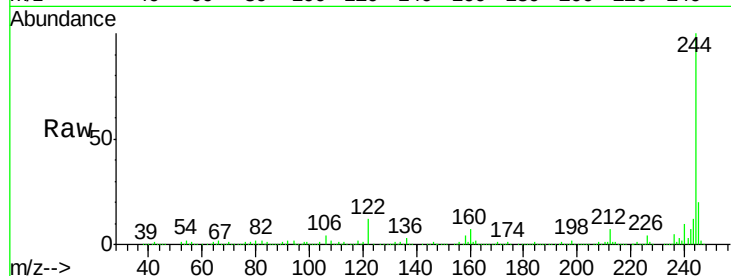




#78
 Terphenyl-d14
 Concen: 69.362 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104712.D
 Acq: 23 Apr 2018 16:27

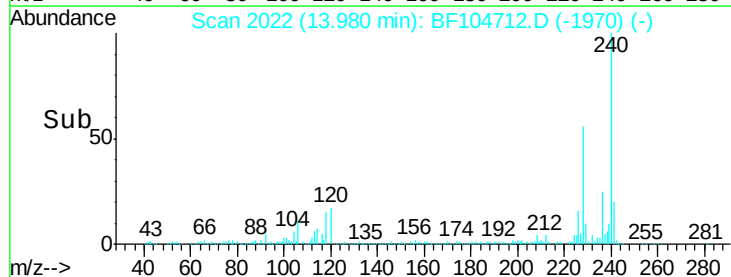
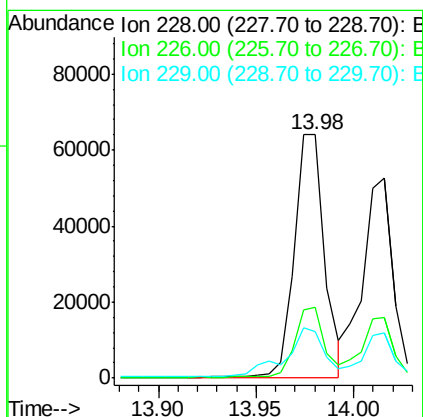
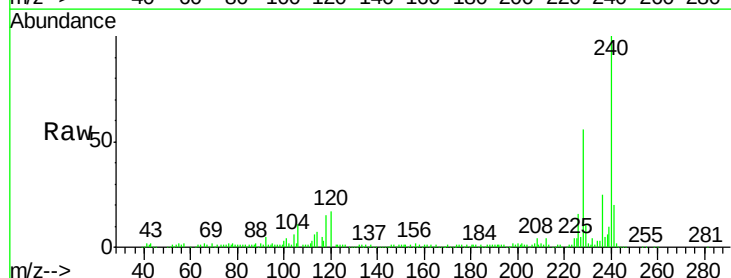
Instrument :
 BNA_F
 ClientSampled :

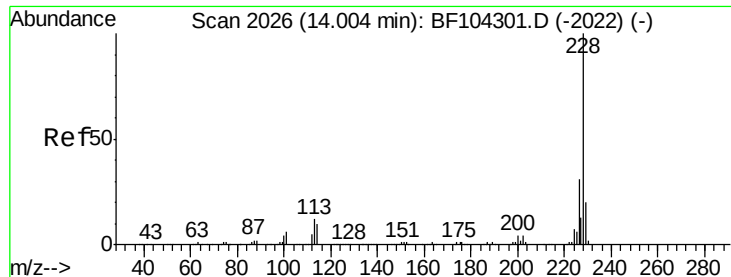
Tot Ion:244 Resp: 702266
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 5.035 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF104712.D
 Acq: 23 Apr 2018 16:27

Tgt Ion:228 Resp: 69437
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 18.9 15.8 23.6

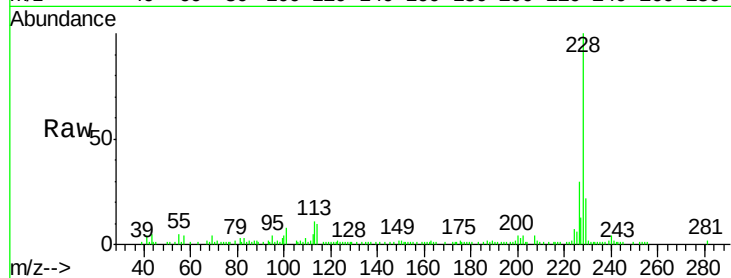




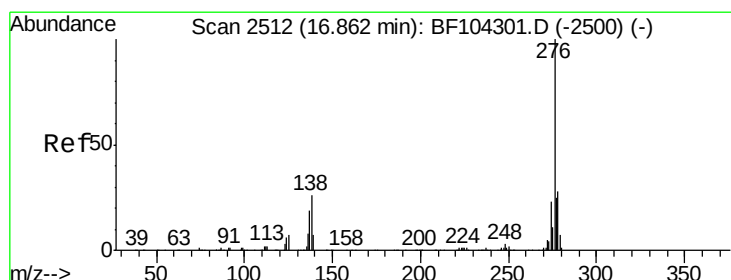
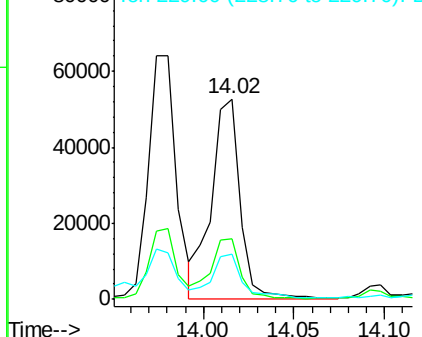
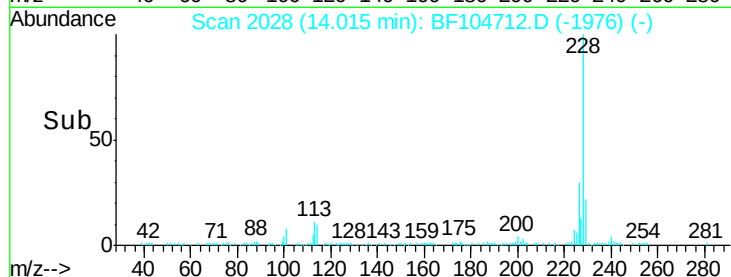
#82
Chrysene
Concen: 4.156 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 58873
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.4 16.2 24.4

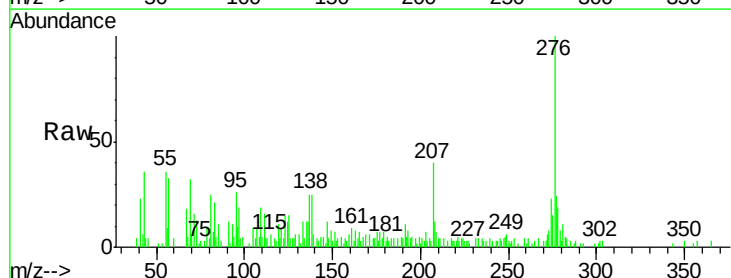


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

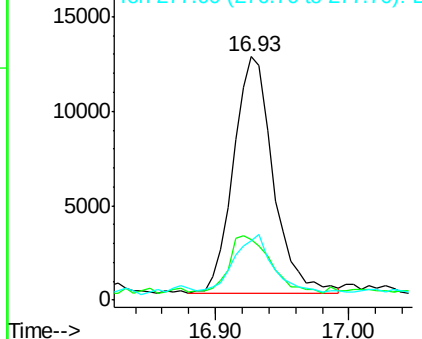
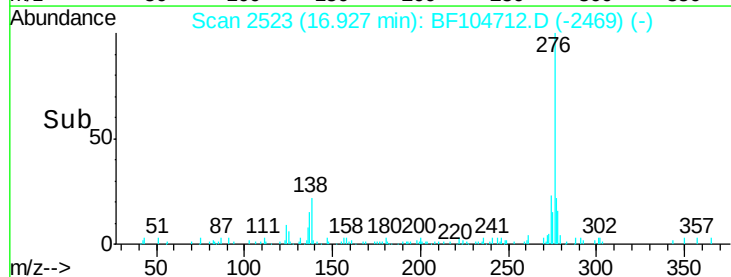


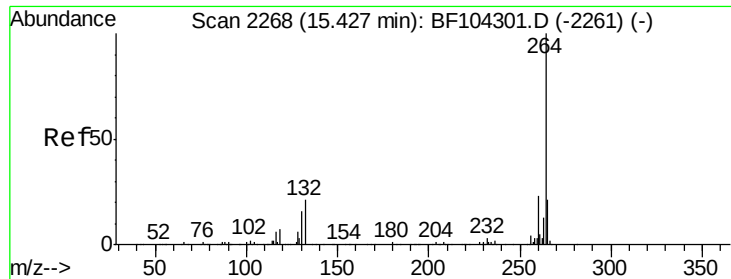
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.138 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Tgt Ion:276 Resp: 25724
Ion Ratio Lower Upper
276 100
138 25.0 25.0 37.6#
277 23.7 20.1 30.1



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

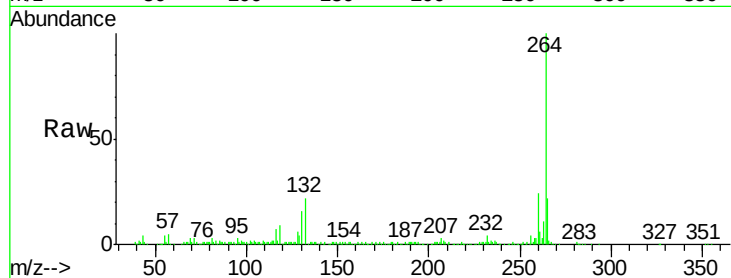




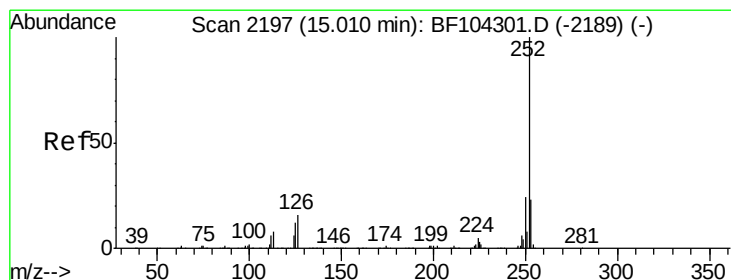
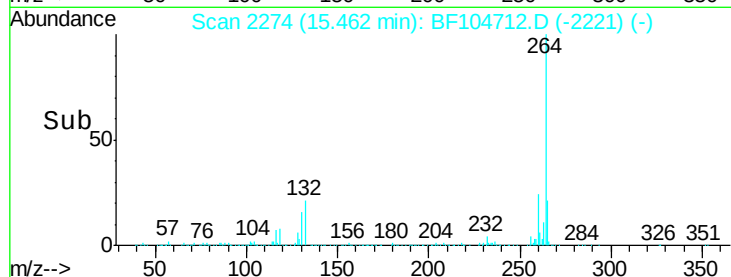
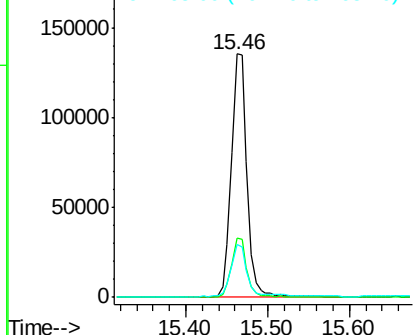
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 181643
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.7 17.5 26.3

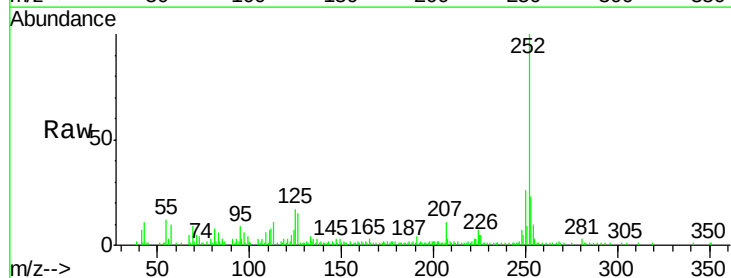


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

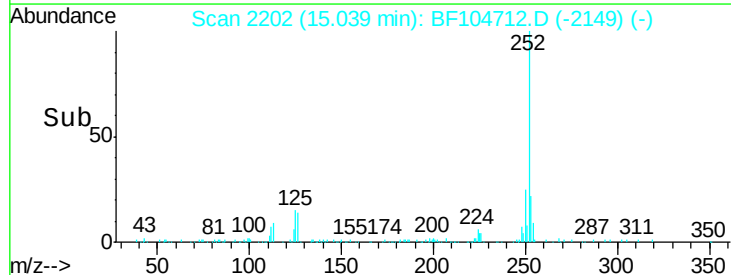
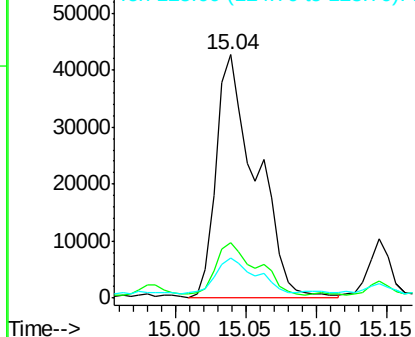


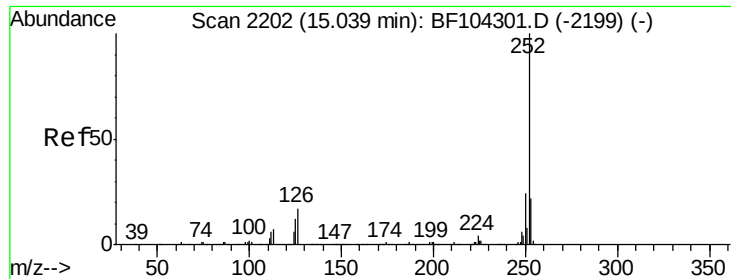
#87
Benzo(b)fluoranthene
Concen: 7.353 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Tgt Ion:252 Resp: 84359
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 16.6 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

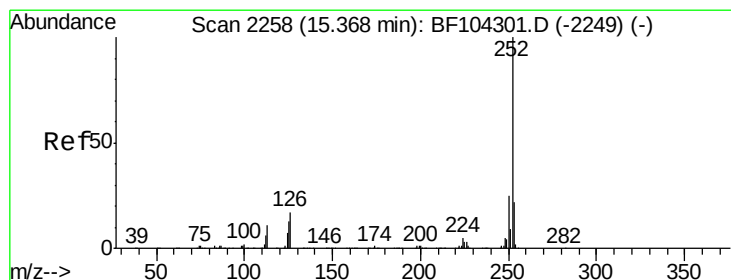
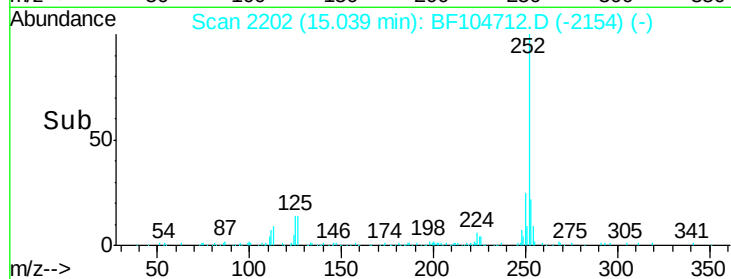
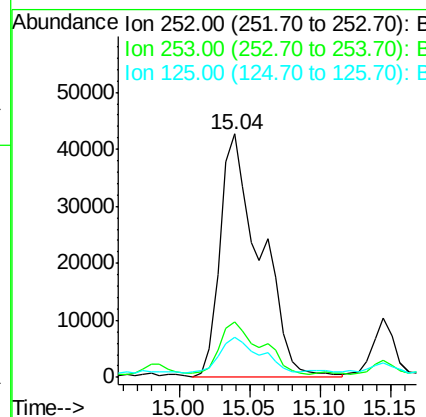
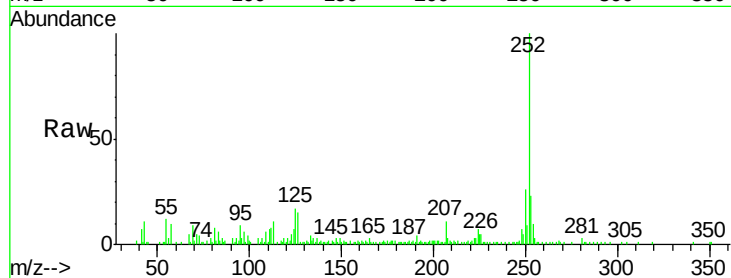




#88
Benzo(k)fluoranthene
Concen: 7.789 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

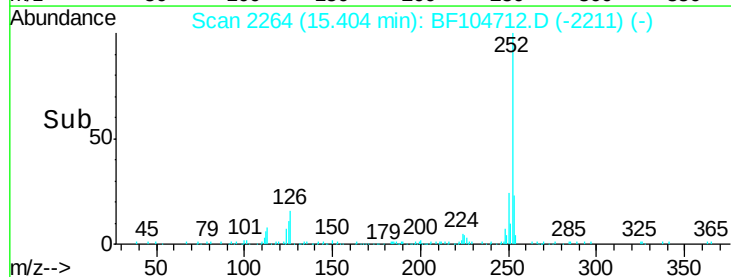
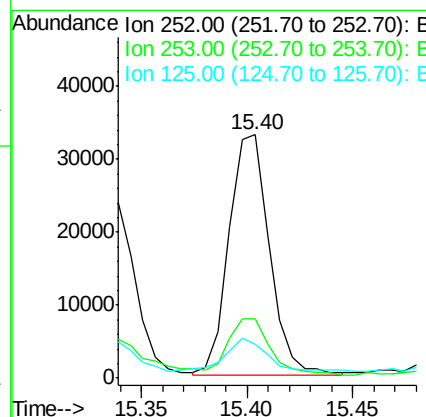
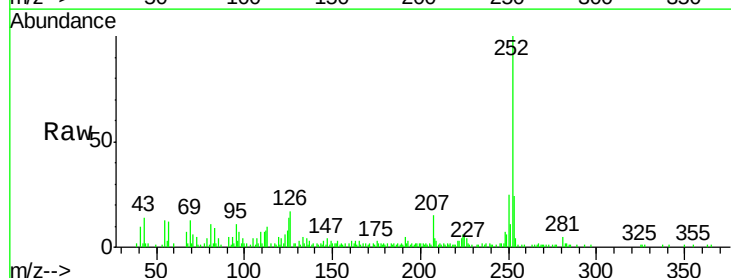
Instrument :
BNA_F
ClientSampleId :

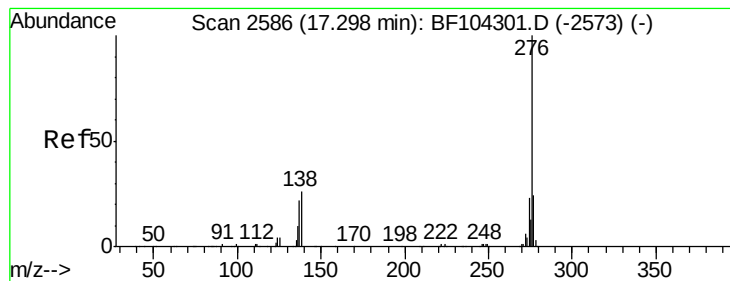
Tot Ion:252 Resp: 84359
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 16.6 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 4.275 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104712.D
Acq: 23 Apr 2018 16:27

Tgt Ion:252 Resp: 43881
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 14.0 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 2.985 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF104712.D

Acq: 23 Apr 2018 16:27

Instrument :

BNA_F

ClientSampleId :

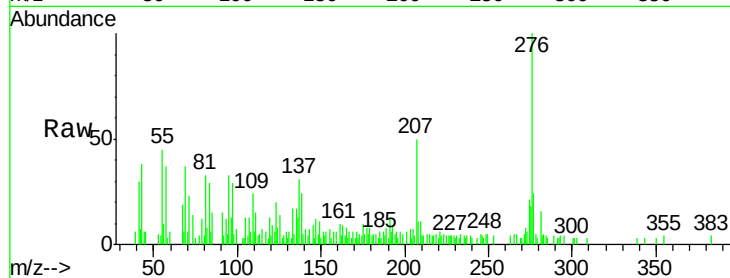
Tot Ion: 276 Resp: 24383

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 24.3 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

