

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104708.D
 Acq On : 23 Apr 2018 14:40
 Operator : JU/SJ
 Sample : J2495-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 15:42:32 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	113379	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	452850	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	192060	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	303090	20.00	ng	0.01
75) Chrysene-d12	13.99	240	202761	20.00	ng	0.00
86) Perylene-d12	15.47	264	154220	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	633356	85.42	ng	0.02
7) Phenol-d6	6.46	99	777743	85.37	ng	0.01
23) Nitrobenzene-d5	7.37	82	431161	62.17	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	163445	82.04	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	790286	65.00	ng	0.00
78) Terphenyl-d14	12.93	244	634081	71.30	ng	0.00

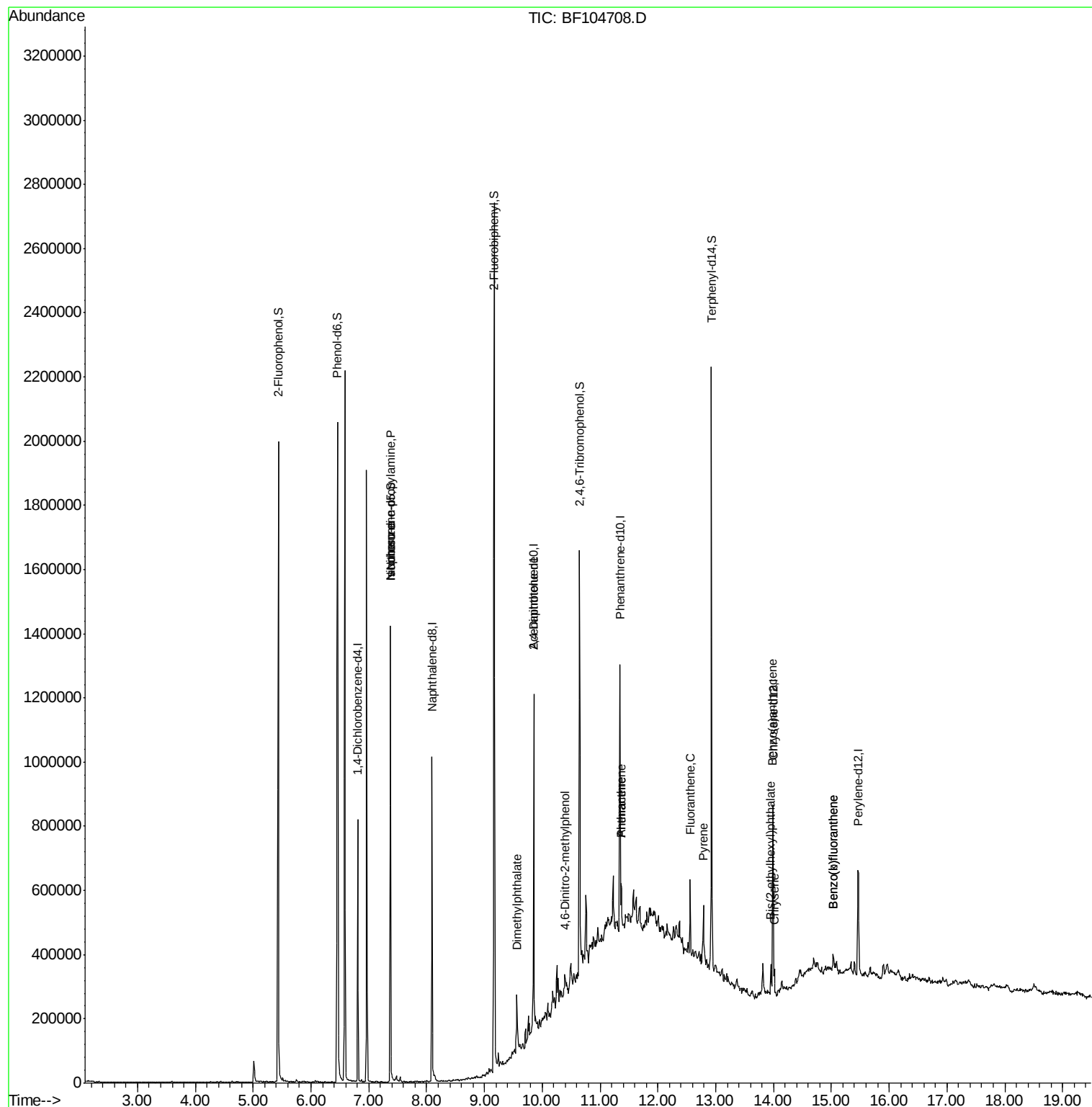
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	1420	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	56005	9.407	ng	# 73
25) Isophorone	7.37	82	431154	29.400	ng	# 64
49) Dimethylphthalate	9.56	163	57219	3.778	ng	99
56) 2,4-Dinitrotoluene	9.85	165	27152	7.386	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.39	198	126	7.419	ng	# 1
70) Phenanthrene	11.36	178	46453	2.752	ng	97
71) Anthracene	11.36	178	46453	2.707	ng	96
74) Fluoranthene	12.56	202	84971	4.818	ng	100
76) Benzydine	12.74	184	364	Below Cal	#	1
77) Pyrene	12.79	202	69534	4.627	ng	98
80) Benzo(a)anthracene	13.98	228	29739	2.455	ng	94
82) Chrysene	14.02	228	31391	2.523	ng	96
83) Bis(2-ethylhexyl)phthalate	13.96	149	24584	2.699	ng	# 97
87) Benzo(b)fluoranthene	15.03	252	37118	3.811	ng	# 80
88) Benzo(k)fluoranthene	15.03	252	37118	4.036	ng	# 84

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

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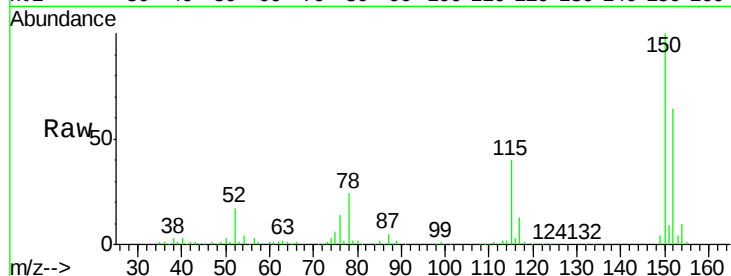


#1

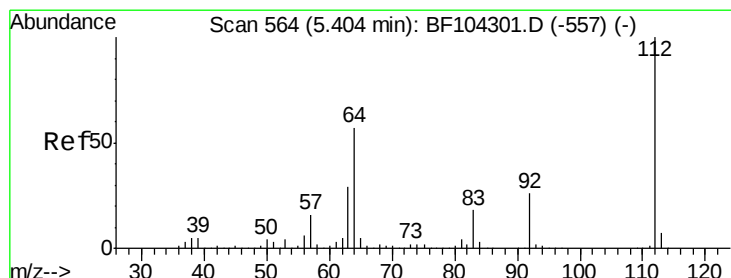
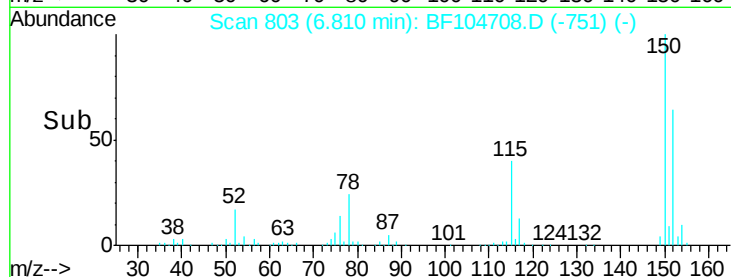
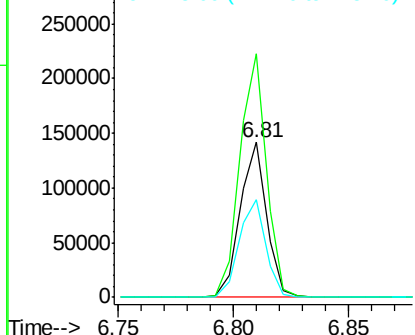
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113379
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 63.3 50.1 75.1



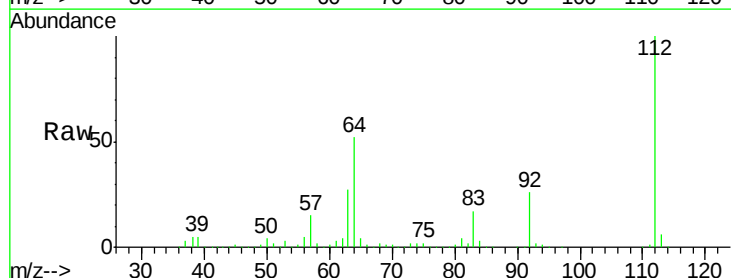
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



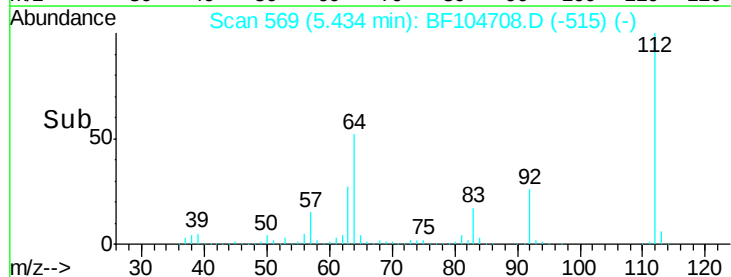
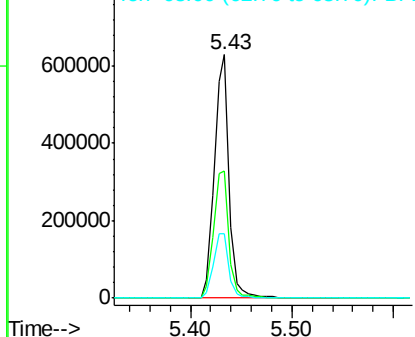
#5

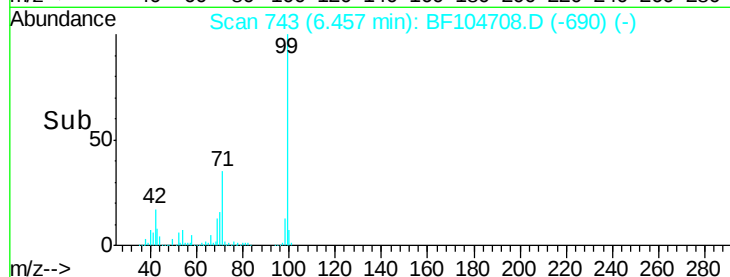
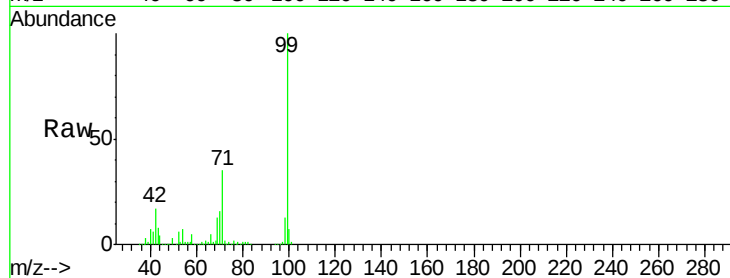
2-Fluorophenol
Concen: 85.416 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Tgt Ion:112 Resp: 633356
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 26.5 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: 85.367 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

Instrument :

BNA_F

ClientSampleId :

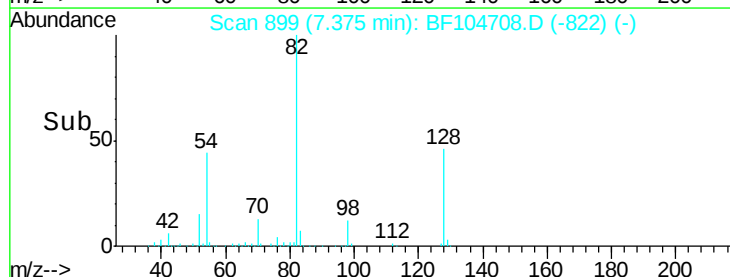
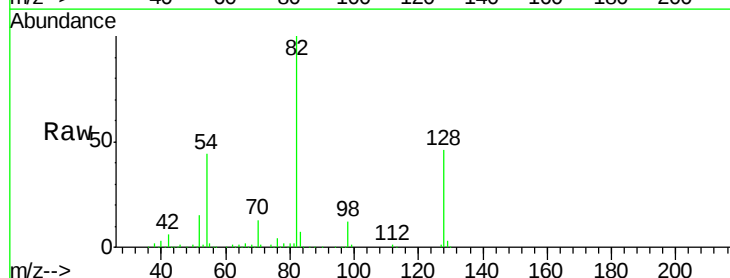
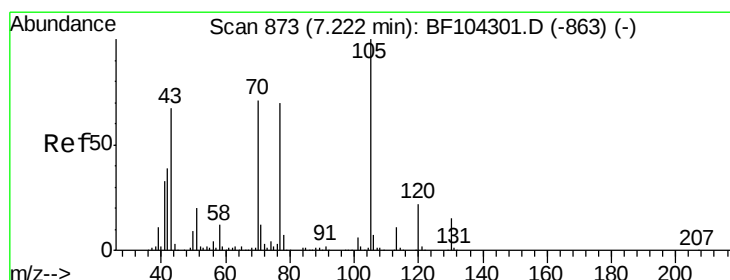
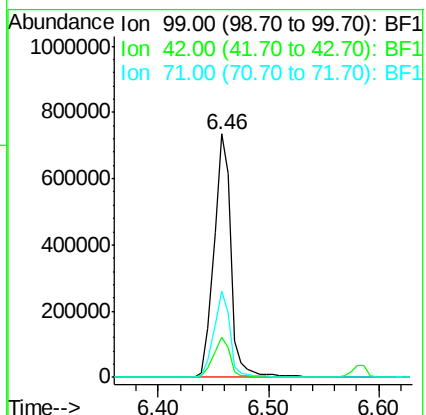
Tot Ion: 99 Resp: 777743

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 35.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.407 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

Tgt Ion: 70 Resp: 56005

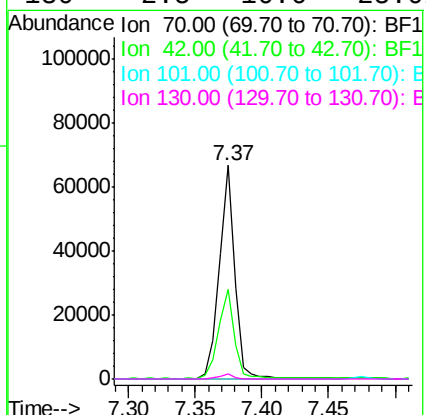
Ion Ratio Lower Upper

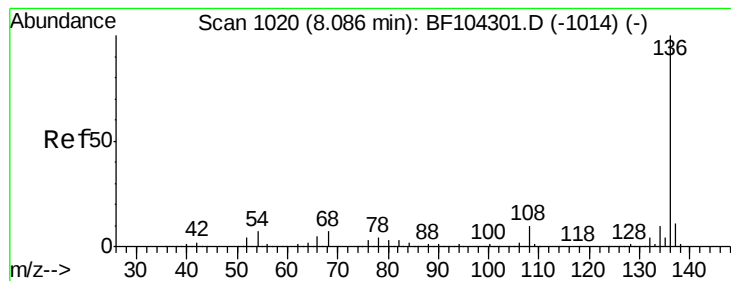
70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 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: BF104708.D

Acq: 23 Apr 2018 14:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 452850

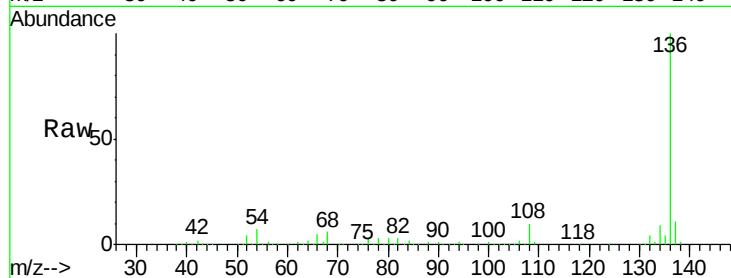
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 6.6 9.8

68 6.1 5.0 7.4

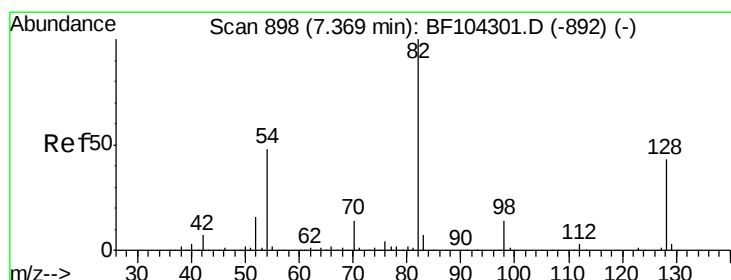
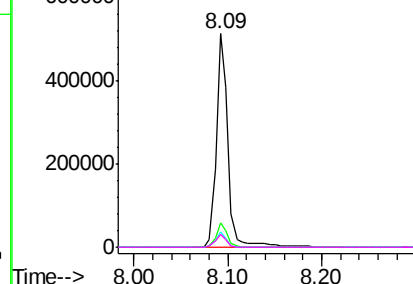
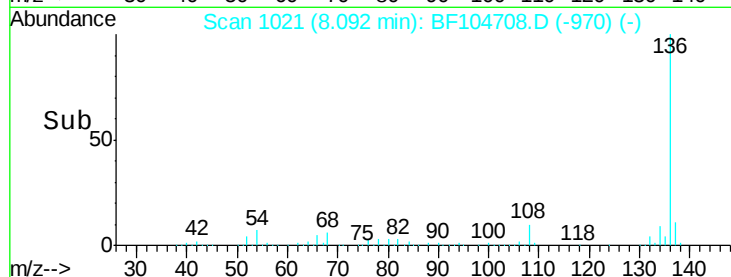


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.171 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

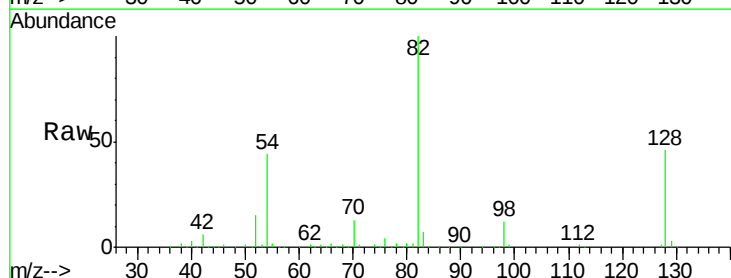
Tgt Ion: 82 Resp: 431161

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

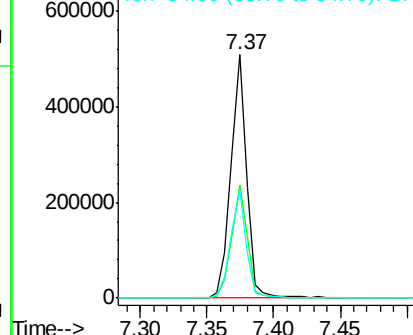
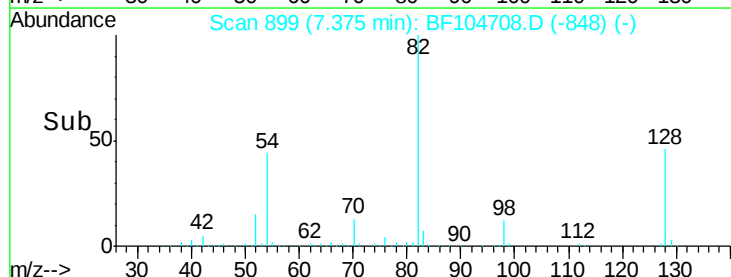
54 44.5 41.4 62.2



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: 29.400 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

Instrument :

BNA_F

ClientSampleId :

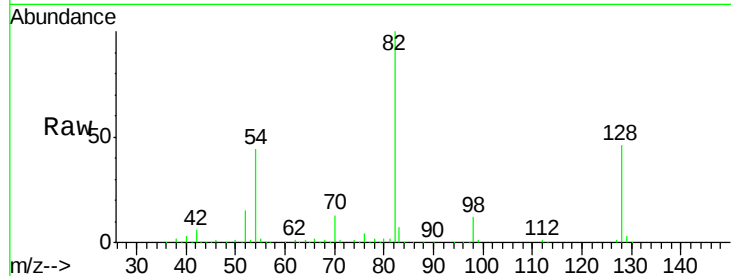
Tot Ion: 82 Resp: 431154

Ion Ratio Lower Upper

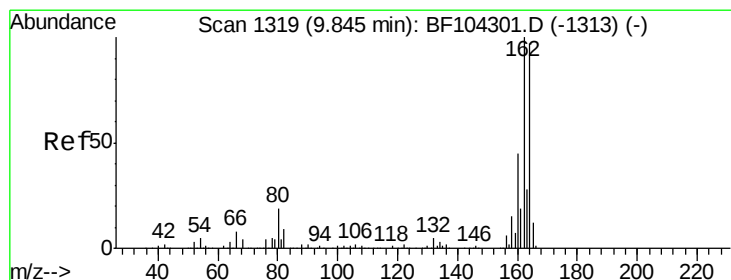
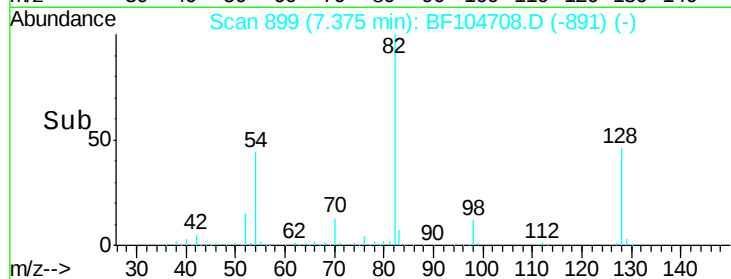
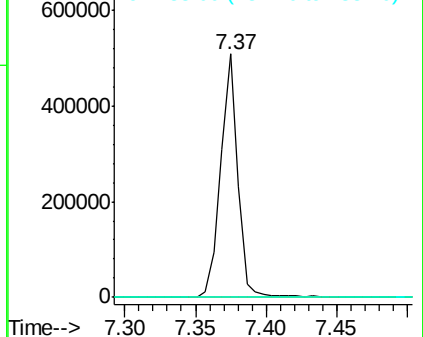
82 100

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: BF104708.D

Acq: 23 Apr 2018 14:40

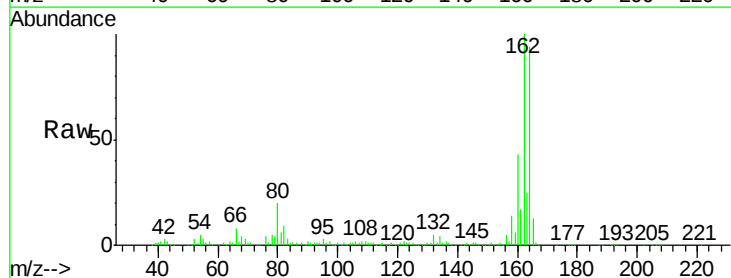
Tgt Ion:164 Resp: 192060

Ion Ratio Lower Upper

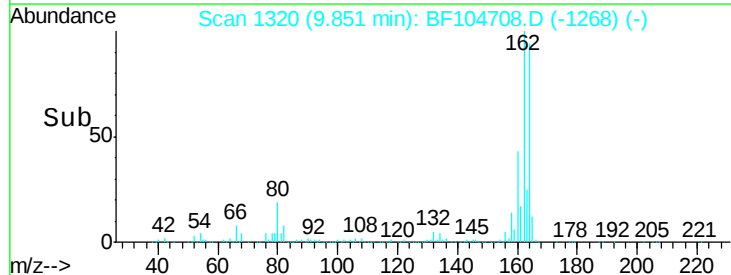
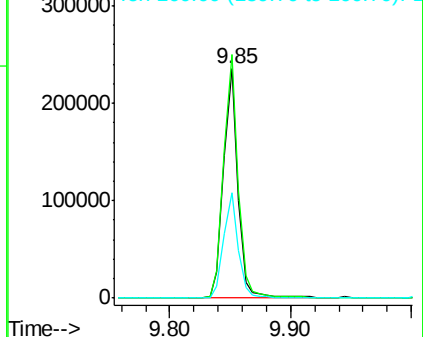
164 100

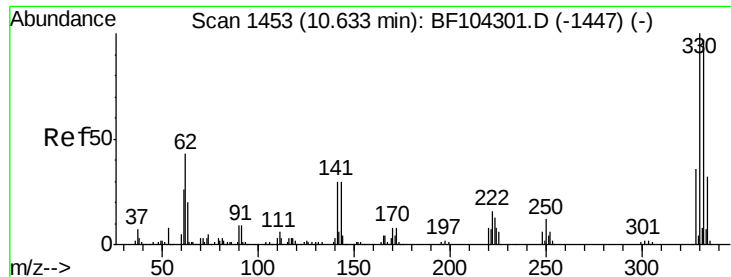
162 106.1 86.1 129.1

160 46.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 82.039 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

Instrument :

BNA_F

ClientSampled :

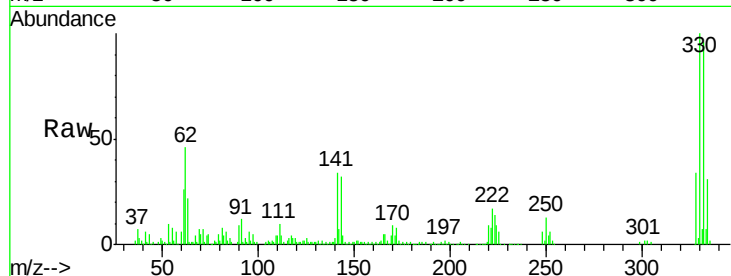
Tot Ion:330 Resp: 163445

Ion Ratio Lower Upper

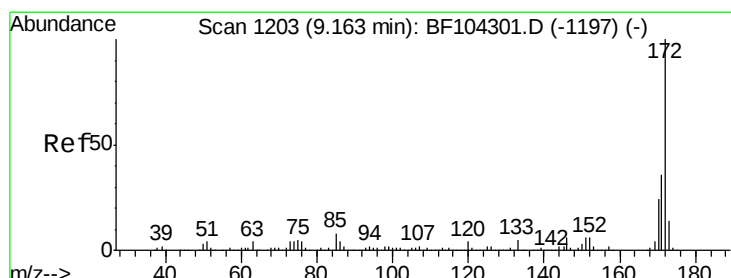
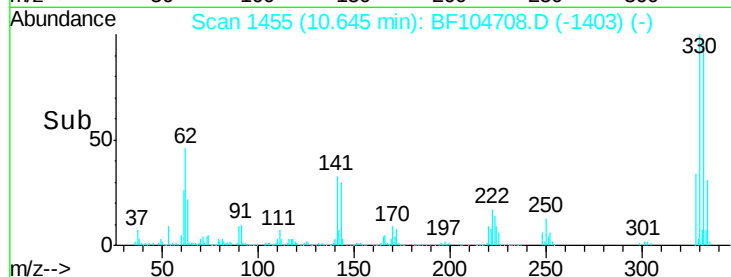
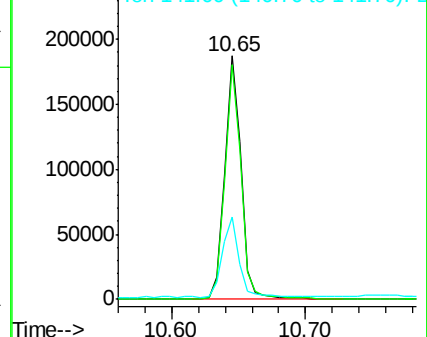
330 100

332 96.0 77.0 115.6

141 33.6 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: 65.003 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

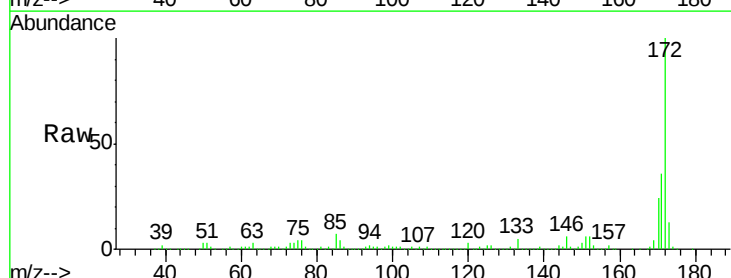
Tgt Ion:172 Resp: 790286

Ion Ratio Lower Upper

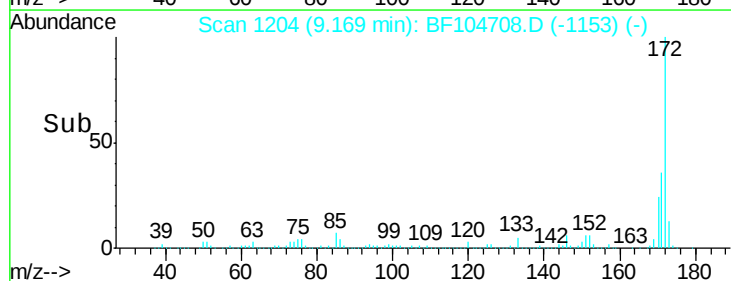
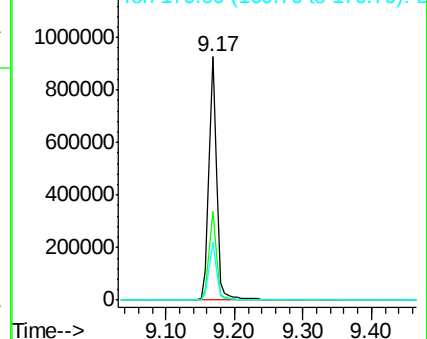
172 100

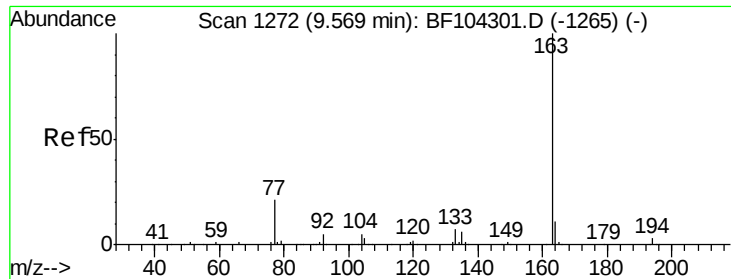
171 36.4 29.7 44.5

170 23.9 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

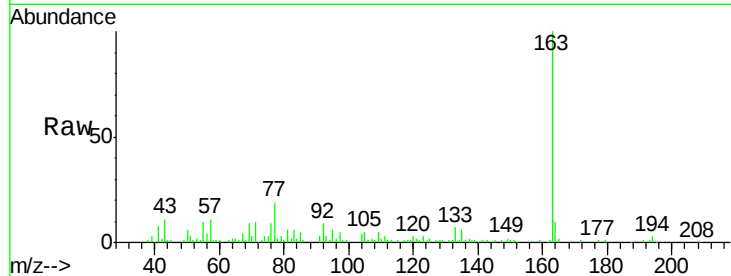




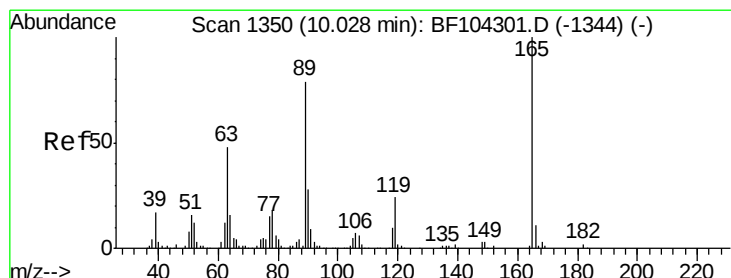
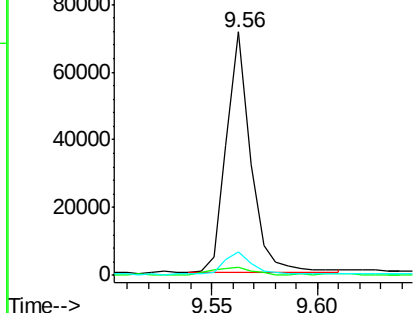
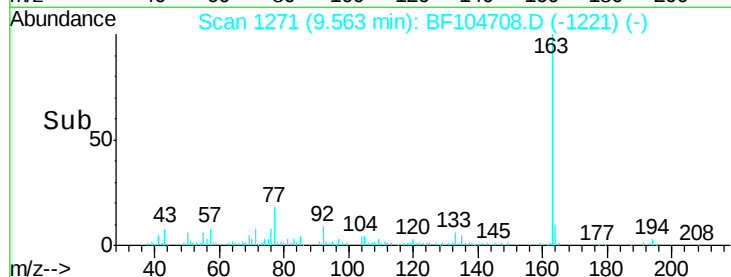
#49
Dimethylphthalate
Concen: 3.778 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 57219
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.6 8.2 12.2

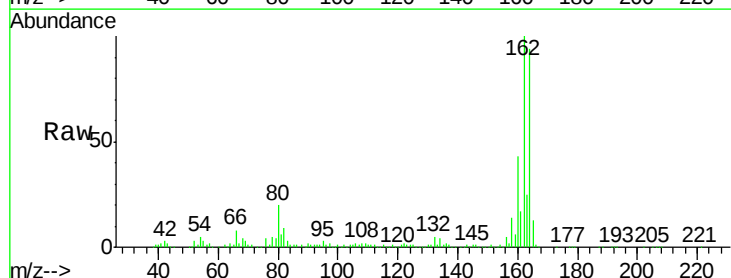


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

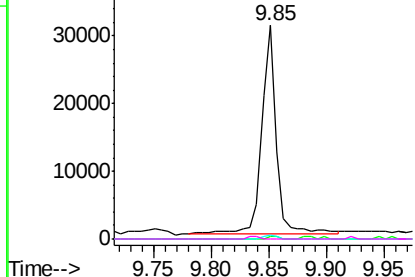
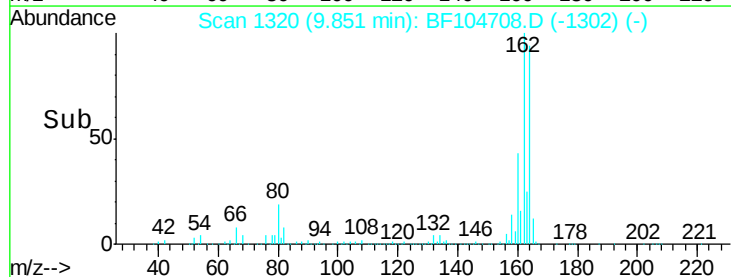


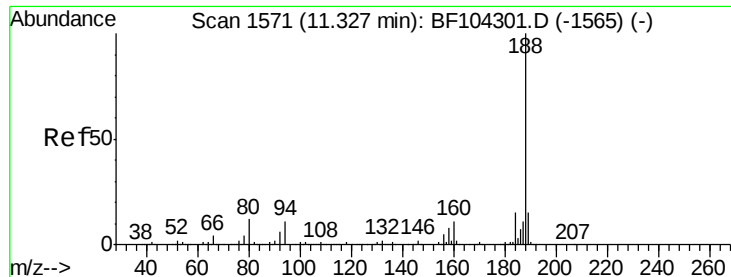
#56
2,4-Dinitrotoluene
Concen: 7.386 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Tgt Ion:165 Resp: 27152
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

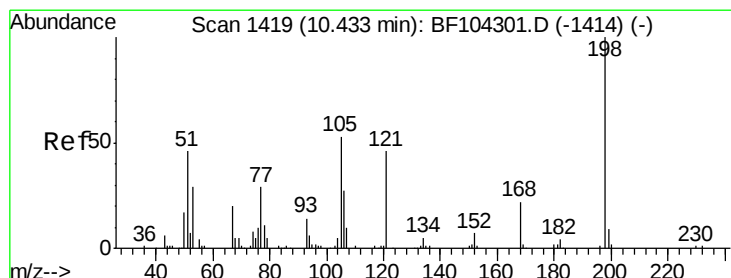
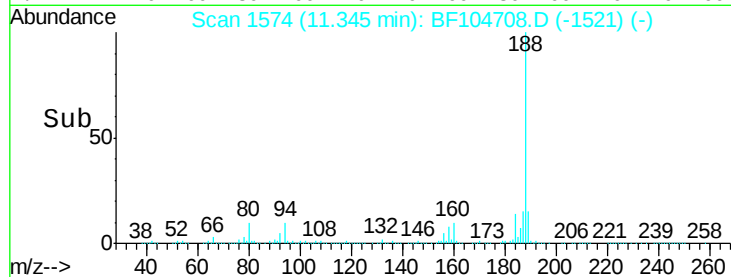
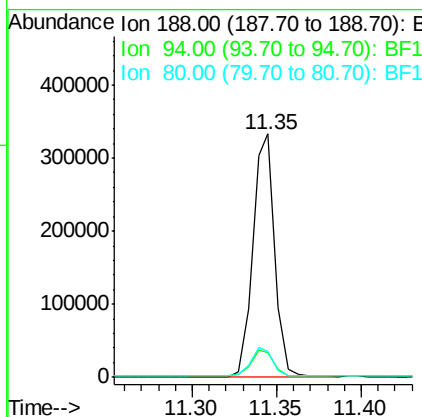
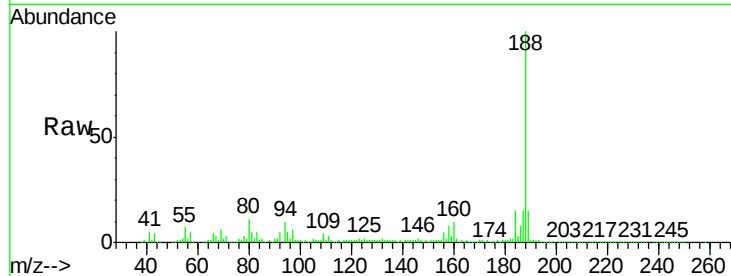




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF104708.D
 Acq: 23 Apr 2018 14:40

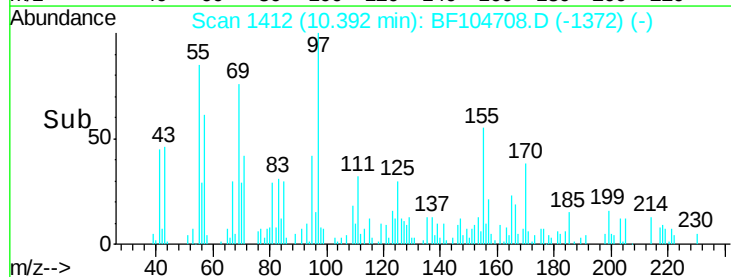
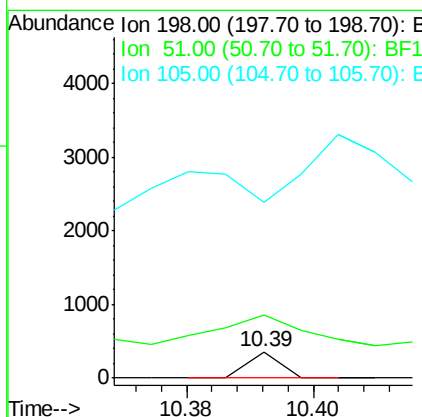
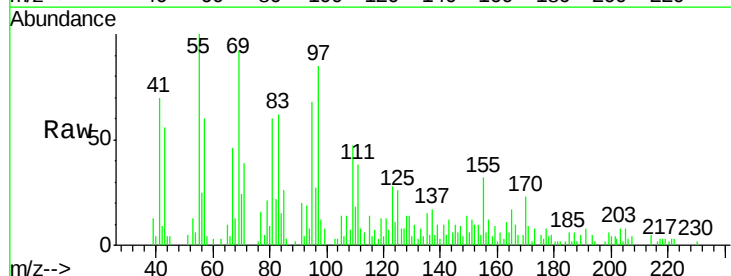
Instrument :
 BNA_F
 ClientSampleId :

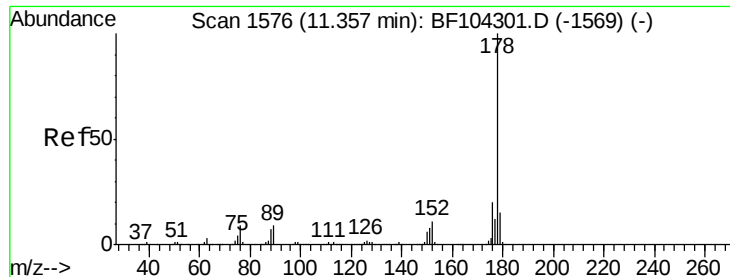
Tot Ion:188 Resp: 303090
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 10.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.419 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.06 min
 Lab File: BF104708.D
 Acq: 23 Apr 2018 14:40

Tgt Ion:198 Resp: 126
 Ion Ratio Lower Upper
 198 100
 51 239.7 37.7 77.7#
 105 667.0 36.3 76.3#





#70

Phenanthrene

Concen: 2.752 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

Instrument :

BNA_F

ClientSampleId :

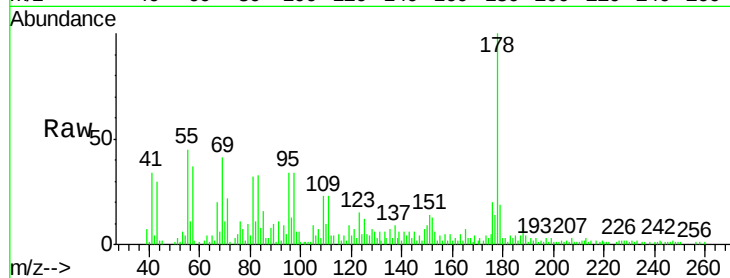
Tot Ion:178 Resp: 46453

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

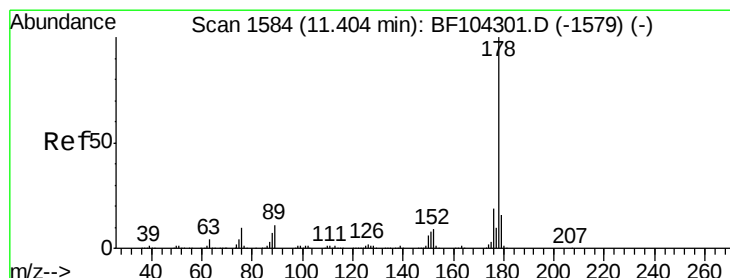
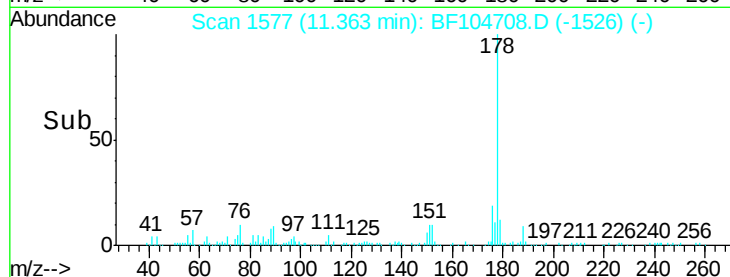
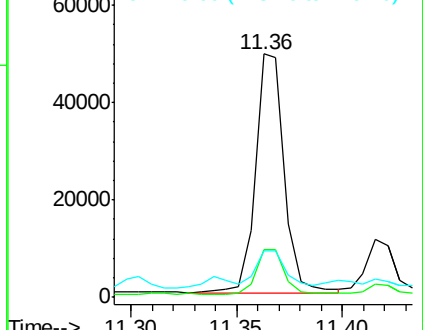
179 18.9 13.0 19.6



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



#71

Anthracene

Concen: 2.707 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.05 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

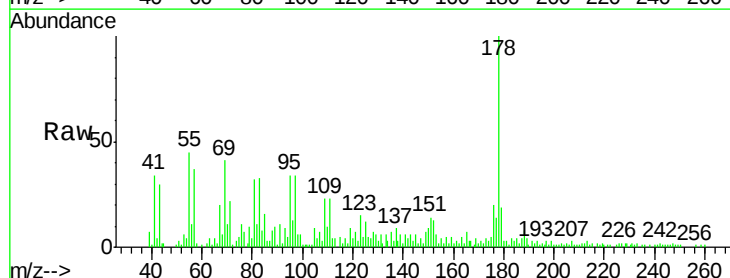
Tgt Ion:178 Resp: 46453

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

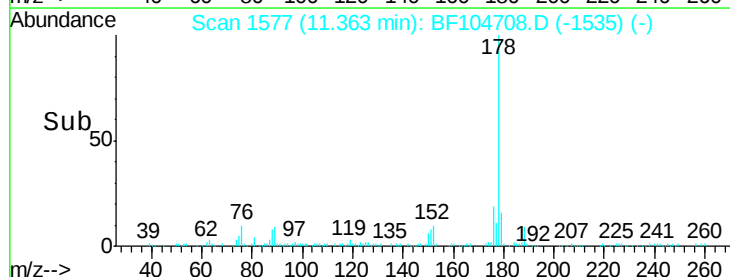
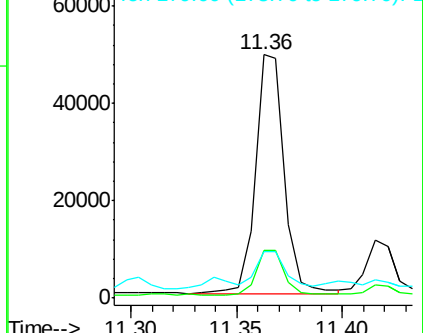
179 18.9 12.6 19.0

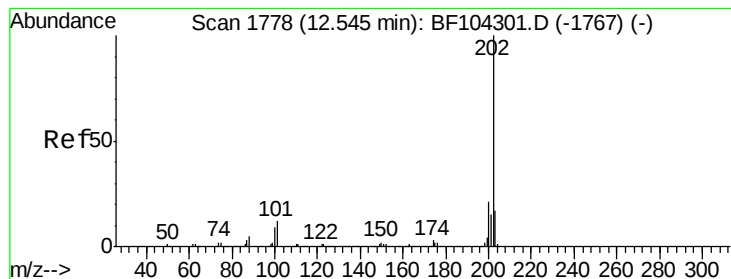


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.818 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

Instrument :

BNA_F

ClientSampleId :

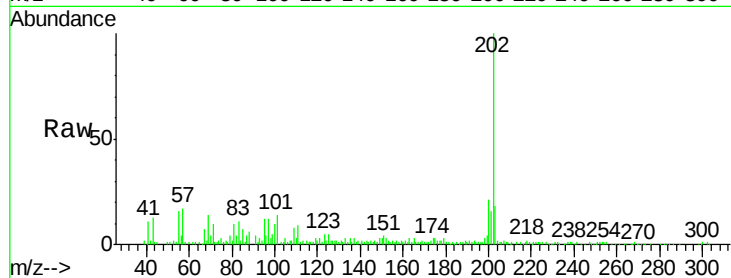
Tot Ion:202 Resp: 84971

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

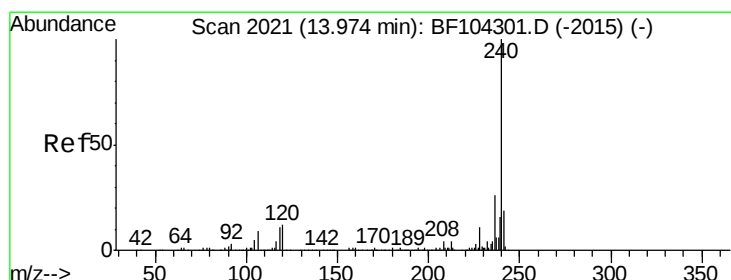
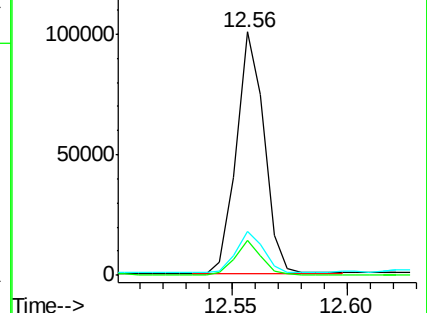
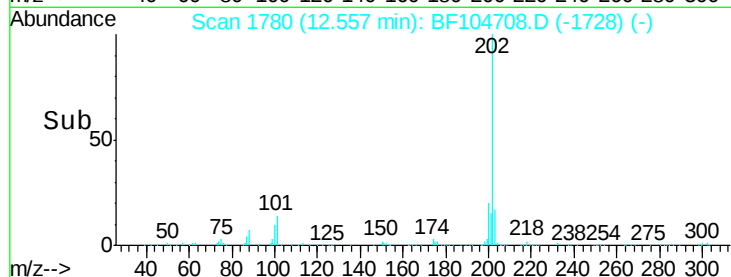
203 18.2 0.0 38.1



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# 2024

Delta R.T. 0.01 min

Lab File: BF104708.D

Acq: 23 Apr 2018 14:40

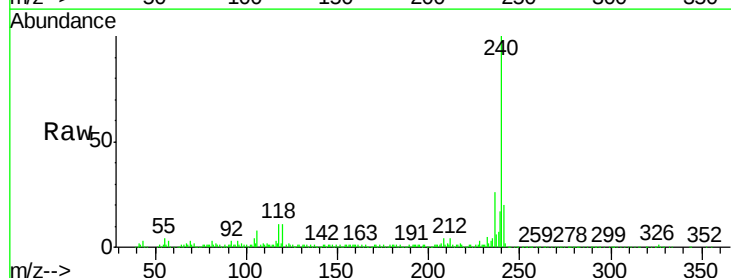
Tgt Ion:240 Resp: 202761

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

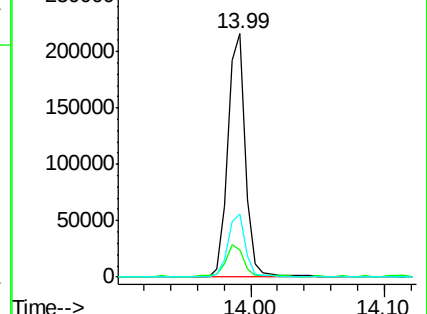
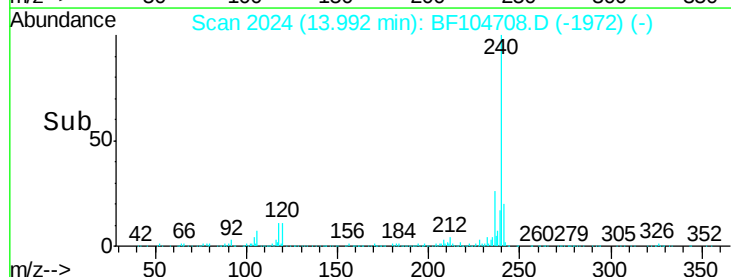
236 25.9 20.7 31.1

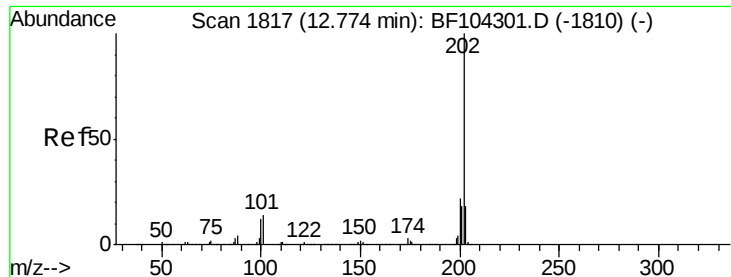


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

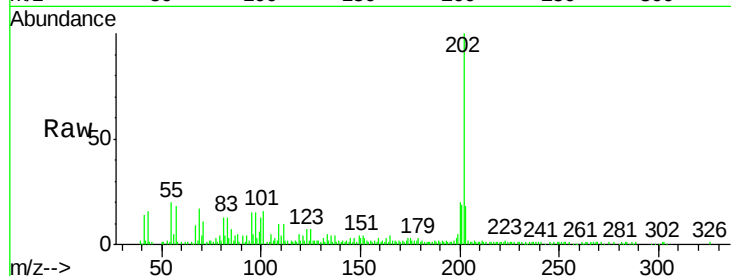




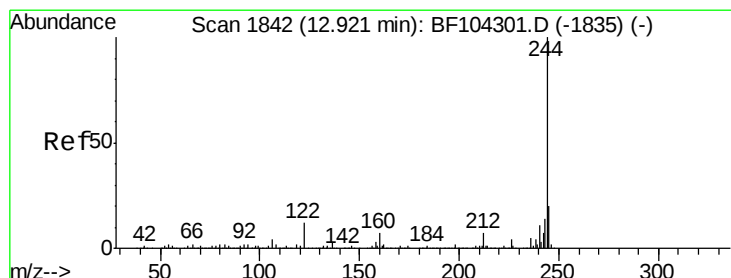
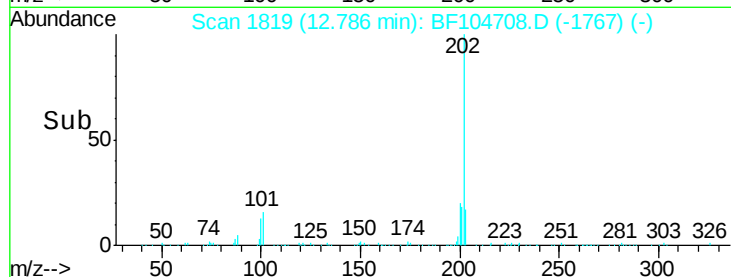
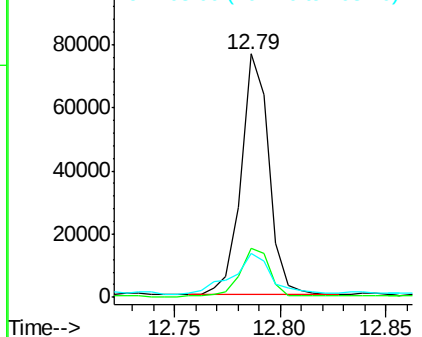
#77
Pvrene
Concen: 4.627 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	18.2	14.3	21.5

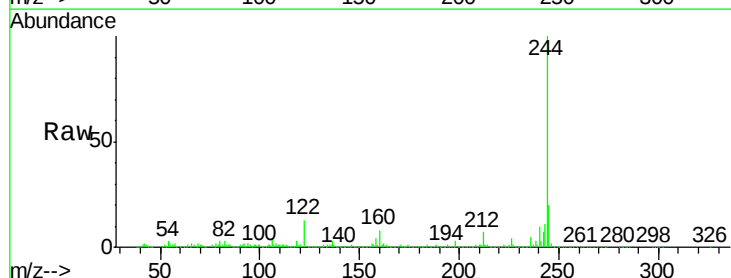


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

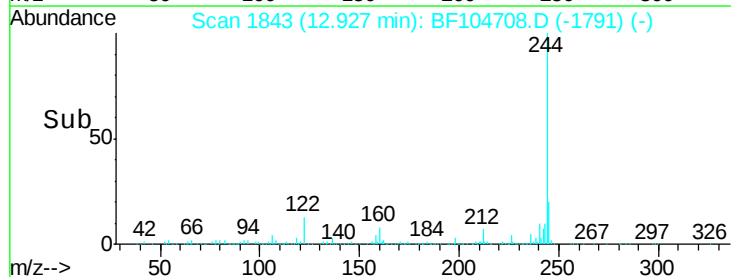
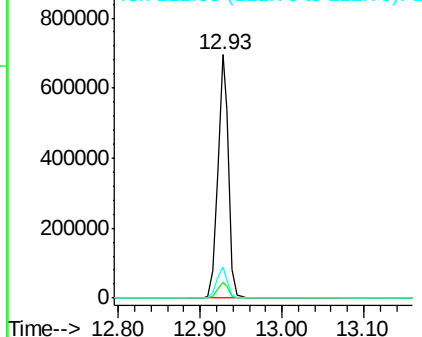


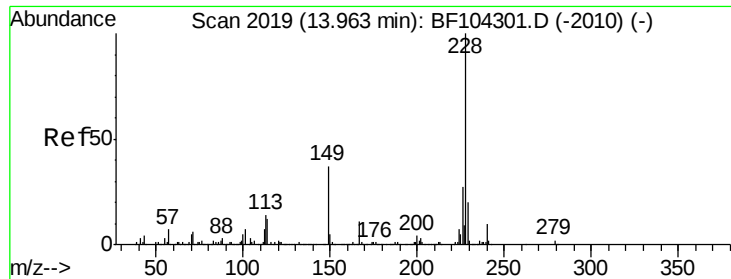
#78
Terphenyl-d14
Concen: 71.296 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.9	11.0	16.4



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

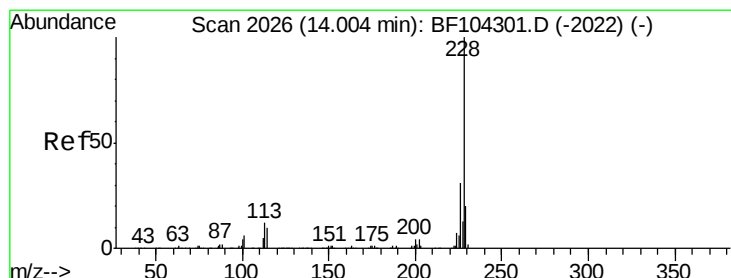
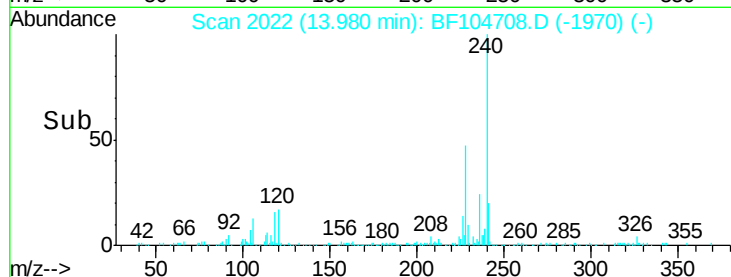
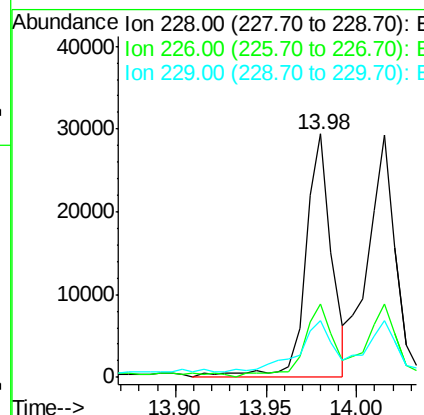
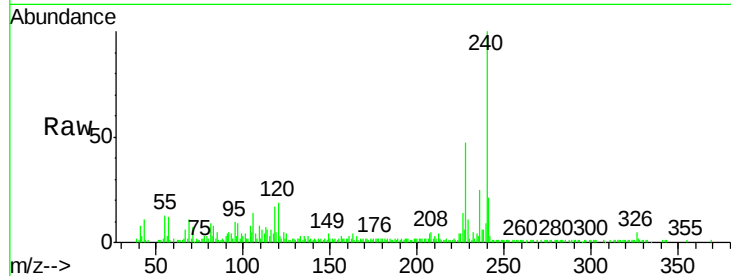




#80
Benzo(a)anthracene
Concen: 2.455 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

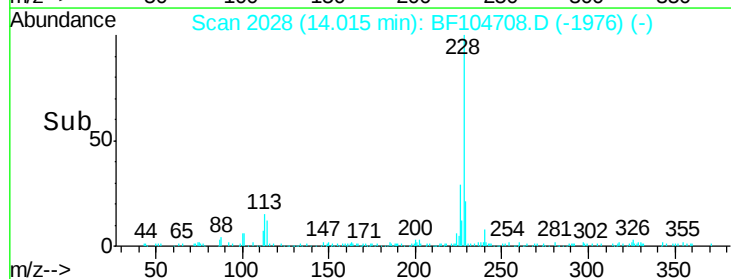
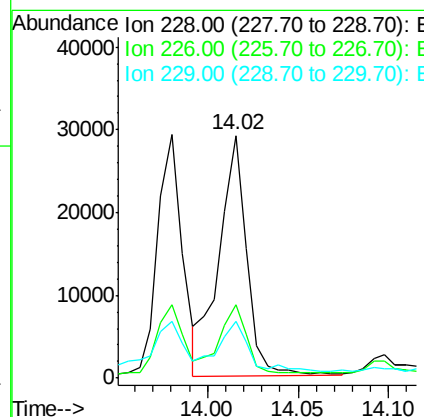
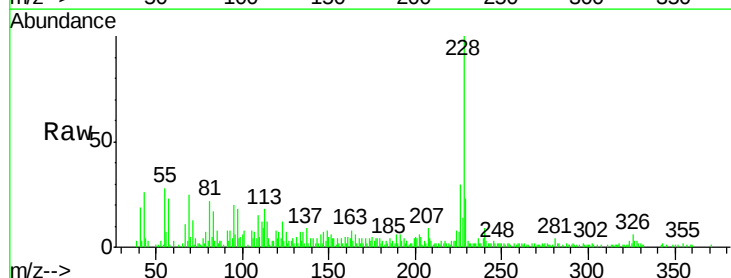
Instrument :
BNA_F
ClientSampleId :

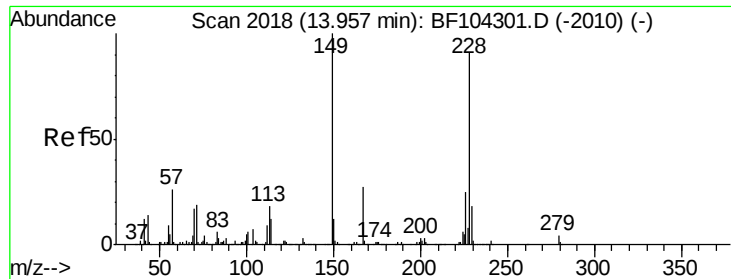
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	23.5	15.8	23.6



#82
Chrysene
Concen: 2.523 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	23.4	16.2	24.4

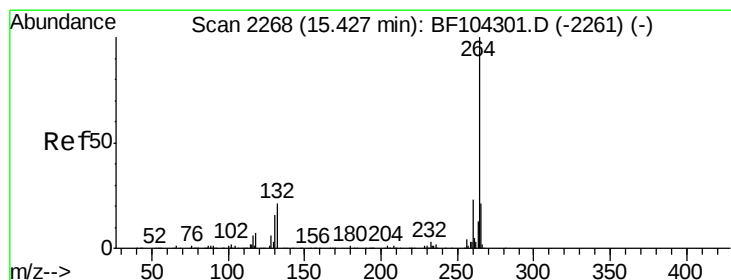
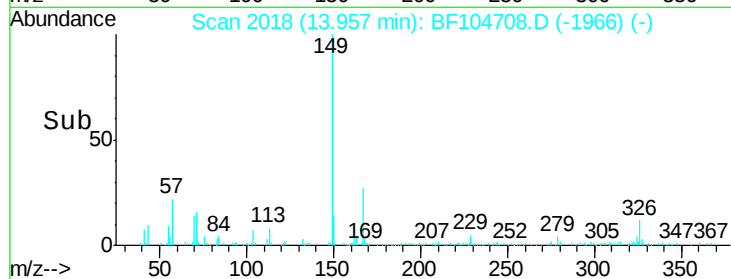
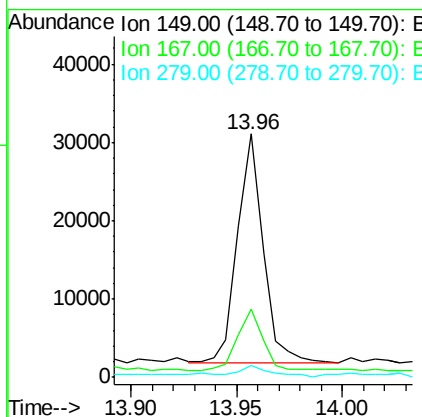
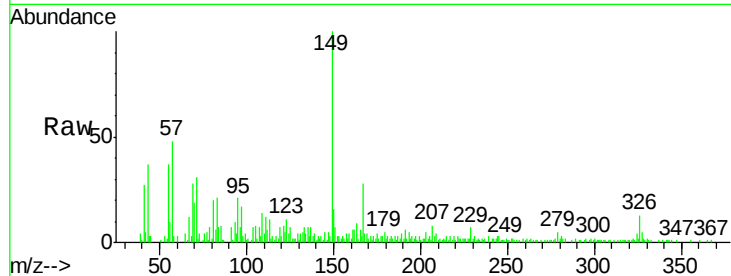




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.699 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF104708.D
 Acq: 23 Apr 2018 14:40

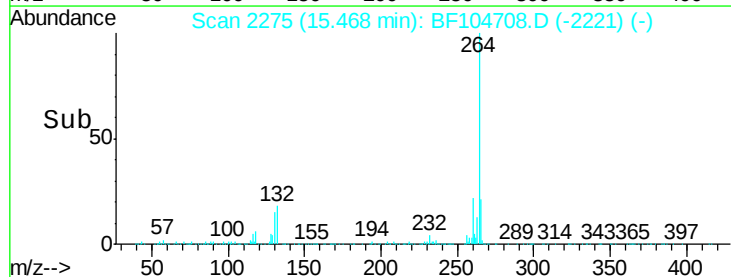
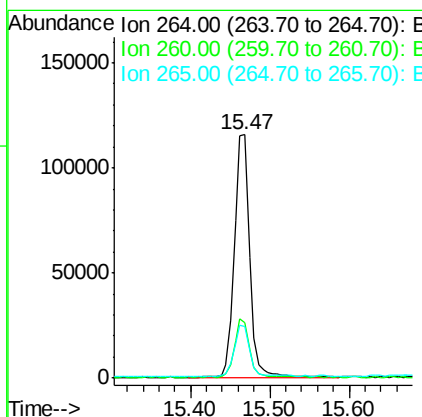
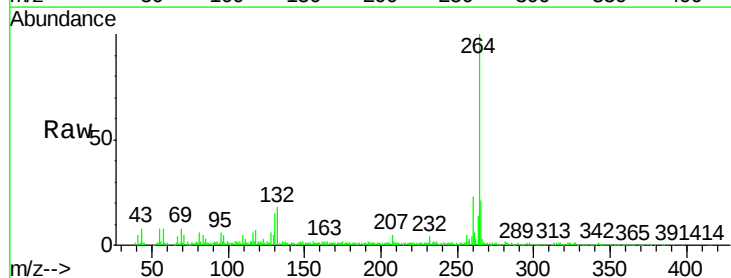
Instrument :
 BNA_F
 ClientSampleId :

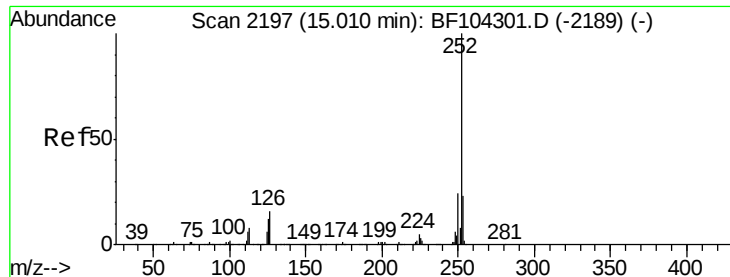
Tot Ion:149 Resp: 24584
 Ion Ratio Lower Upper
 149 100
 167 28.0 21.3 31.9
 279 4.7 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF104708.D
 Acq: 23 Apr 2018 14:40

Tgt Ion:264 Resp: 154220
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.2 28.8
 265 21.2 17.5 26.3

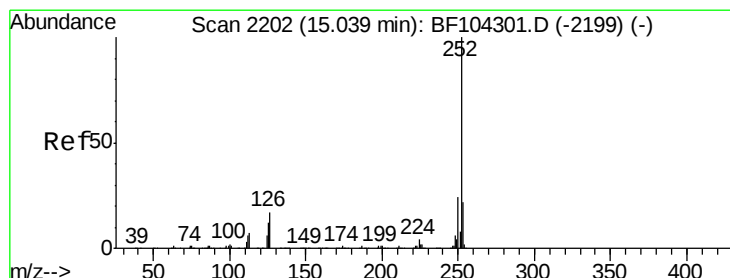
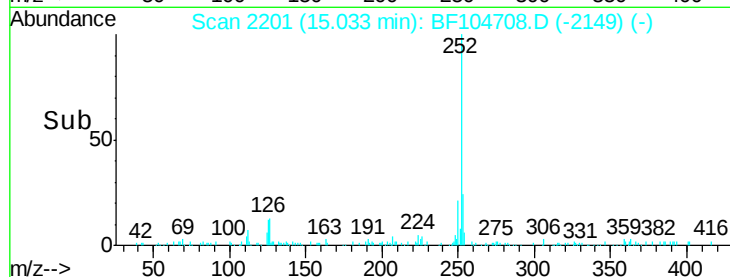
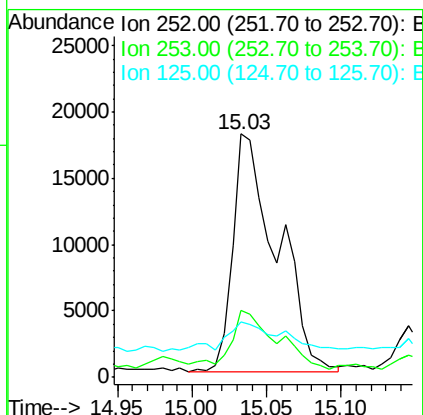
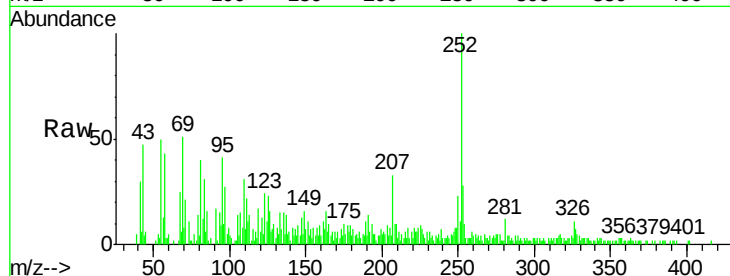




#87
Benzo(b)fluoranthene
Concen: 3.811 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.0	25.6#
125	22.9	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.036 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF104708.D
Acq: 23 Apr 2018 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.9	26.9#
125	22.9	10.2	15.2#

