

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104799.D
 Acq On : 25 Apr 2018 19:54
 Operator : JU/SJ
 Sample : J2158-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:16:55 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

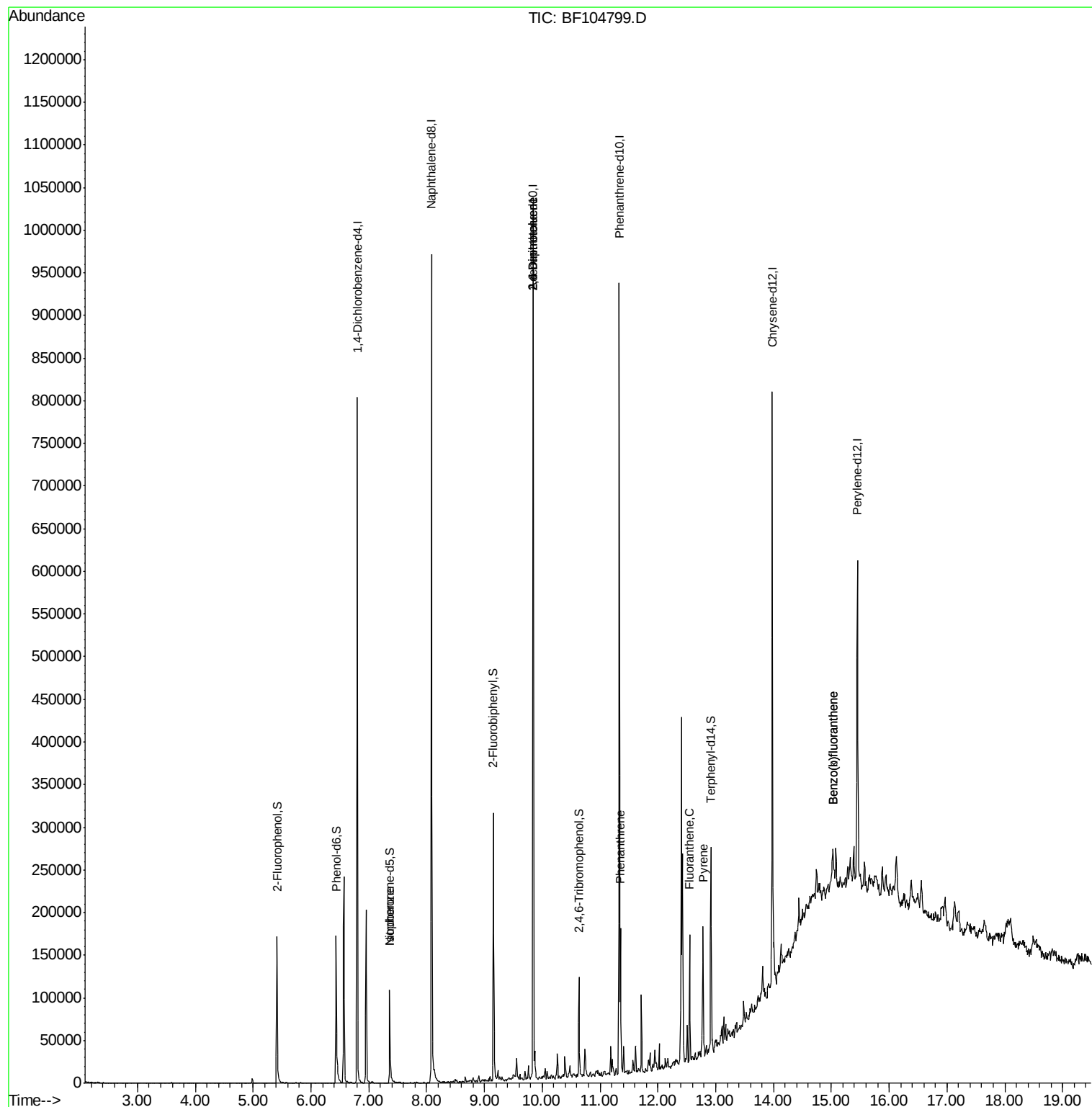
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	114803	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	469631	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	208274	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	314897	20.00	ng	0.00
75) Chrysene-d12	13.98	240	215013	20.00	ng	0.00
86) Perylene-d12	15.45	264	155305	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	60379	8.04	ng	0.00
7) Phenol-d6	6.43	99	75215	8.15	ng	-0.01
23) Nitrobenzene-d5	7.36	82	44035	6.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	14343	6.64	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	100188	7.60	ng	0.00
78) Terphenyl-d14	12.92	244	69531	7.37	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	1129	Below Cal		89
25) Isophorone	7.36	82	44035	2.895 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	27658	9.101 ng	#	25
56) 2,4-Dinitrotoluene	9.84	165	27658	6.938 ng	#	23
70) Phenanthrene	11.36	178	58898	3.359 ng		97
74) Fluoranthene	12.55	202	58912	3.215 ng		97
76) Benzydine	12.92	184	1154	Below Cal	#	60
77) Pyrene	12.78	202	50939	3.196 ng		99
87) Benzo(b)fluoranthene	15.03	252	25060	2.555 ng	#	77
88) Benzo(k)fluoranthene	15.03	252	25060	2.706 ng	#	80

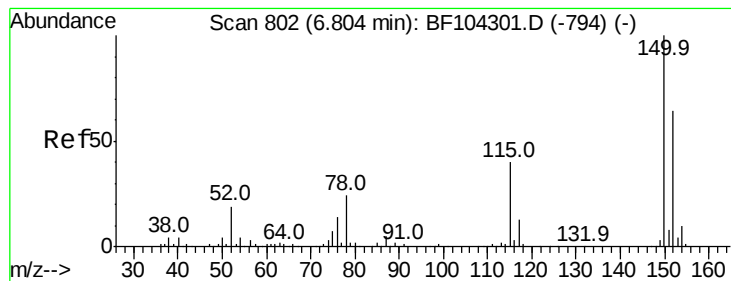
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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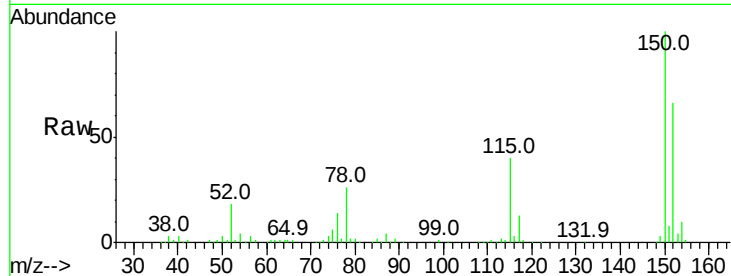


#1

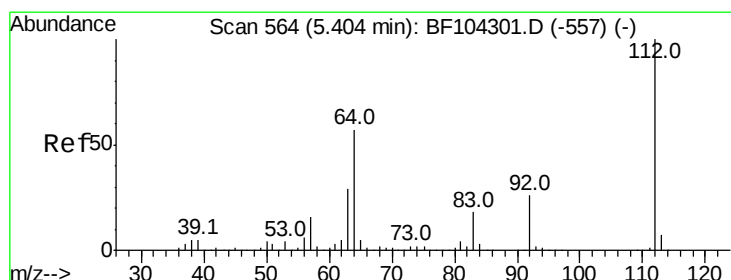
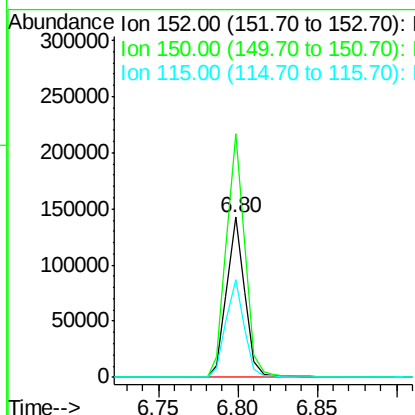
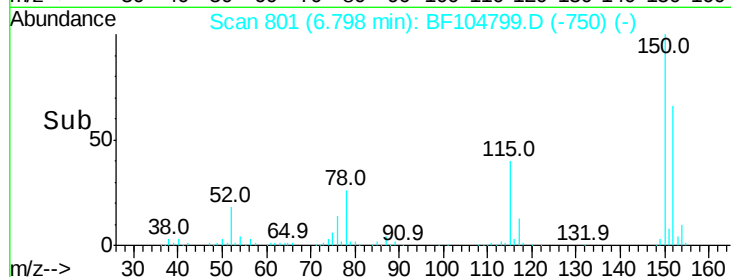
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104799.D
Acq: 25 Apr 2018 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114803
Ion Ratio Lower Upper
152 100
150 152.1 124.6 186.8
115 61.0 50.1 75.1



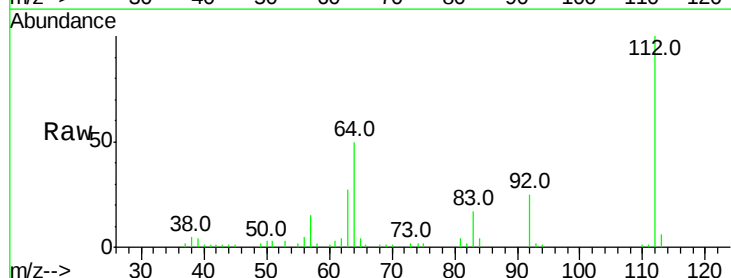
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



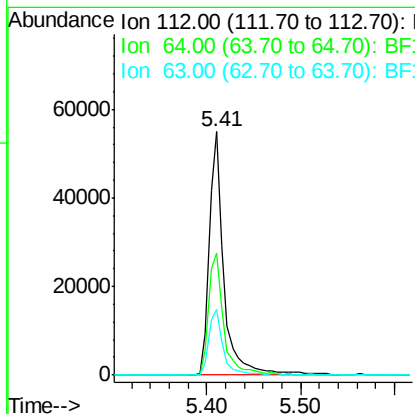
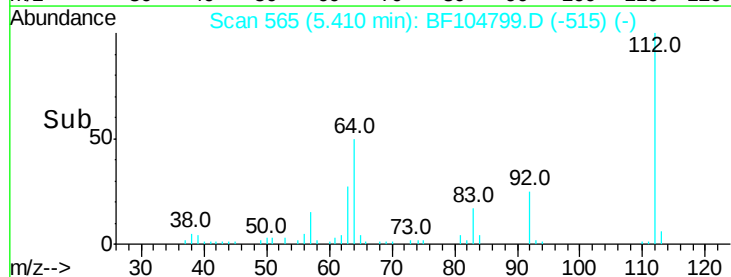
#5

2-Fluorophenol
Concen: 8.042 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104799.D
Acq: 25 Apr 2018 19:54

Tgt Ion:112 Resp: 60379
Ion Ratio Lower Upper
112 100
64 50.3 47.9 71.9
63 27.2 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: 8.153 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104799.D

Acq: 25 Apr 2018 19:54

Instrument :

BNA_F

ClientSampleId :

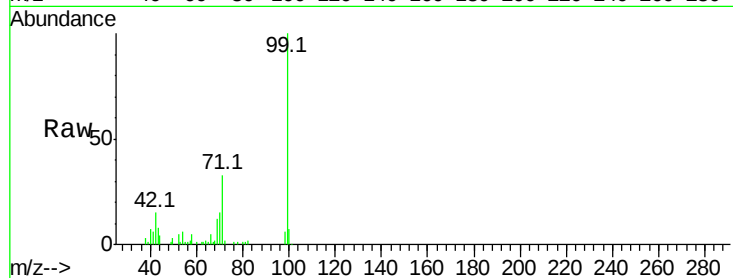
Tot Ion: 99 Resp: 75215

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

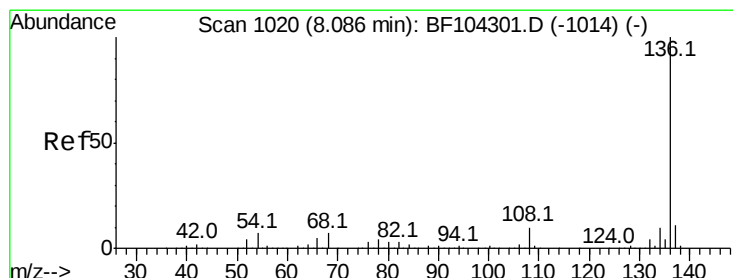
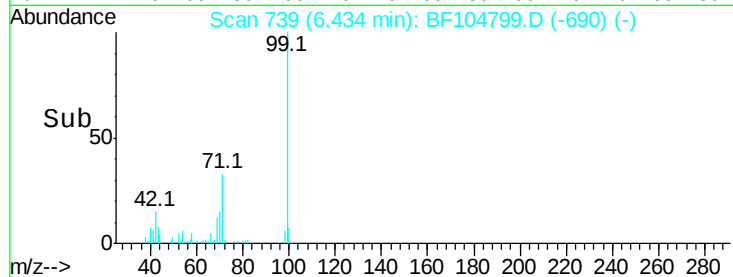
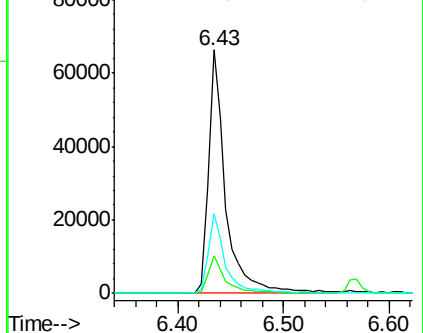
71 32.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104799.D

Acq: 25 Apr 2018 19:54

Tgt Ion: 136 Resp: 469631

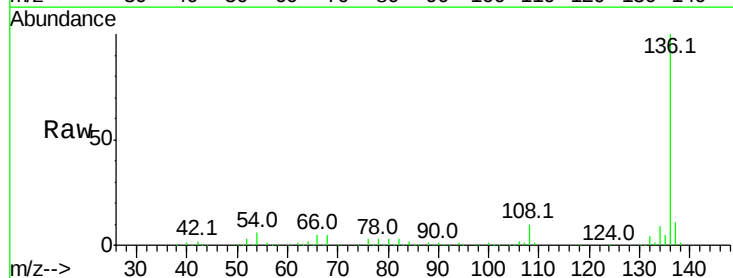
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.0 6.6 9.8#

68 5.0 5.0 7.4

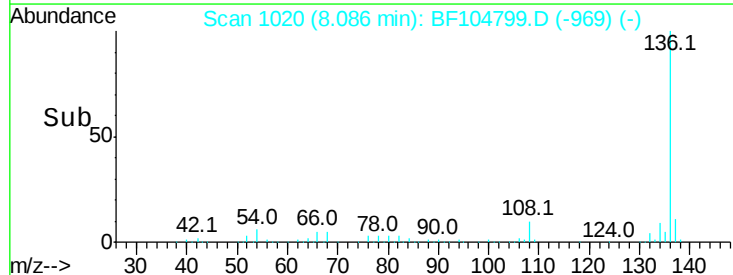
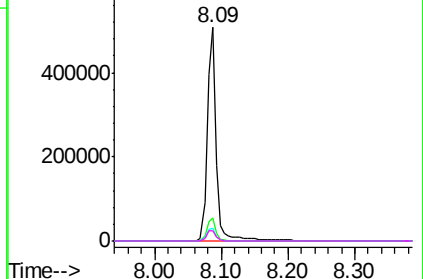


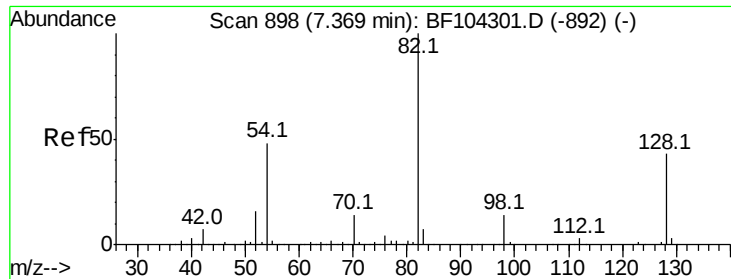
Abundance Ion 136.00 (135.70 to 136.70): E

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

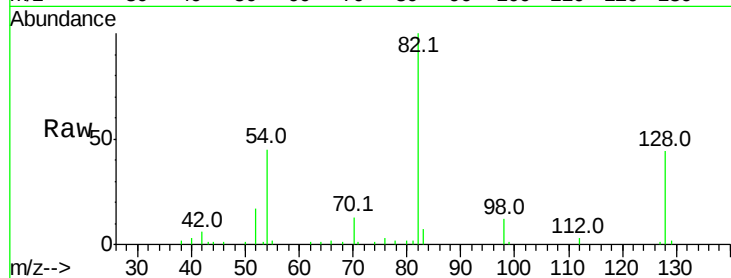




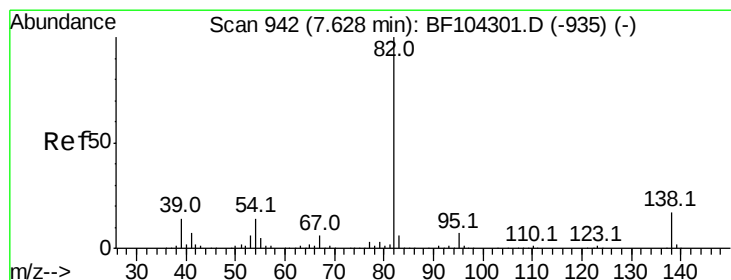
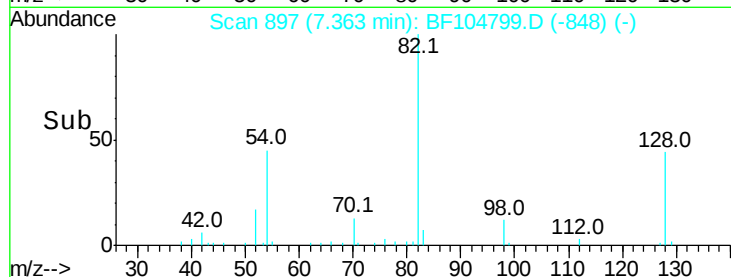
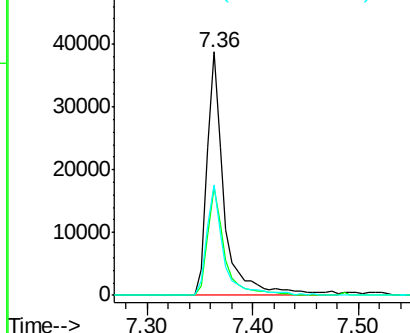
#23
 Nitrobenzene-d5
 Concen: 6.123 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	44035
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.1	54.1
54	45.4	41.4	62.2

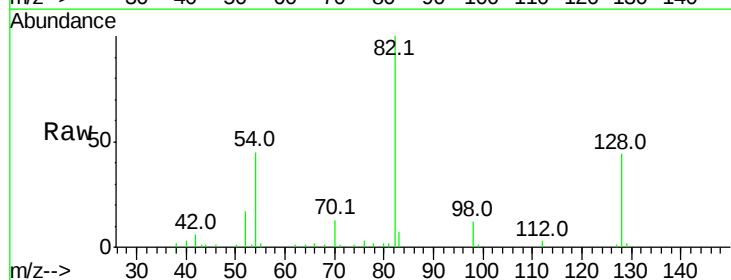


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

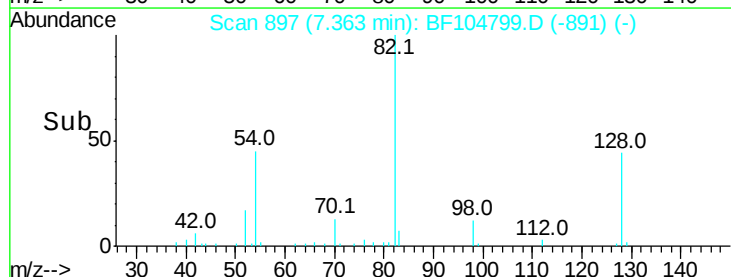
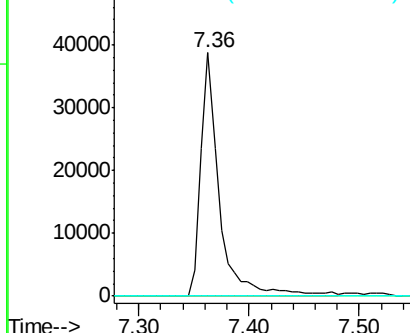


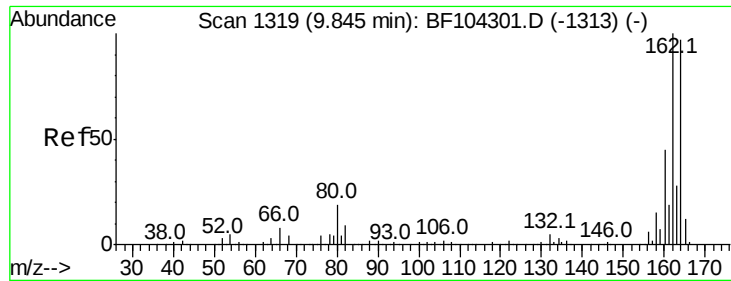
#25
 Isophorone
 Concen: 2.895 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Tgt Ion	82	Resp	44035
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

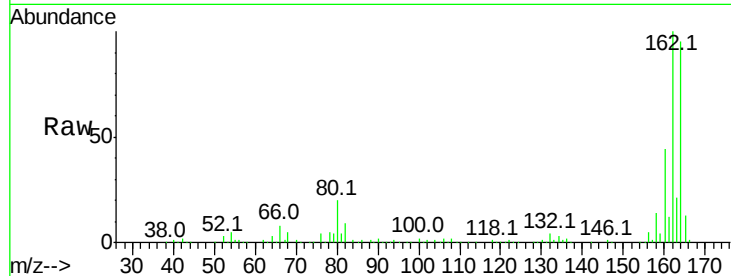




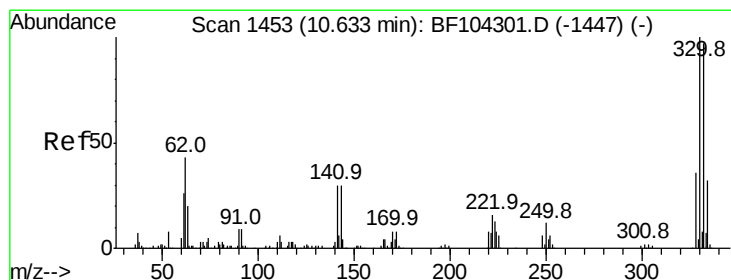
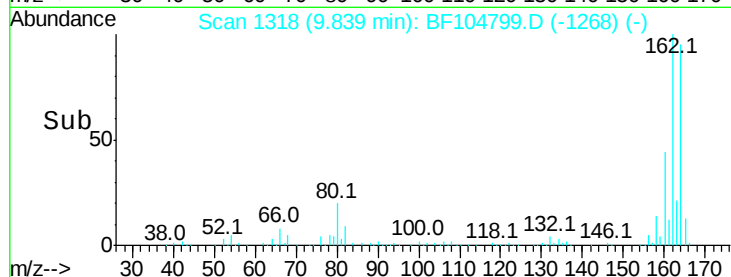
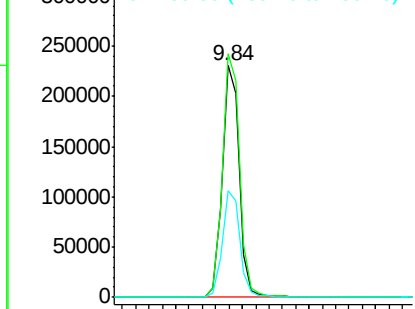
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 208274
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 46.2 38.3 57.5

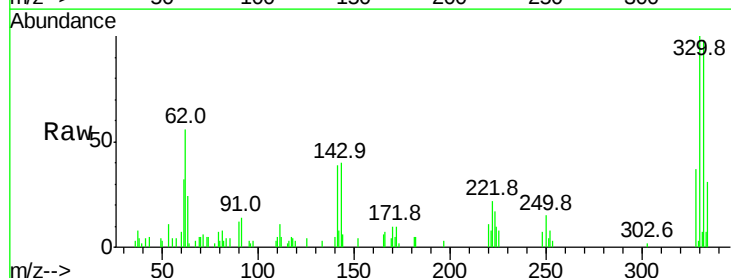


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

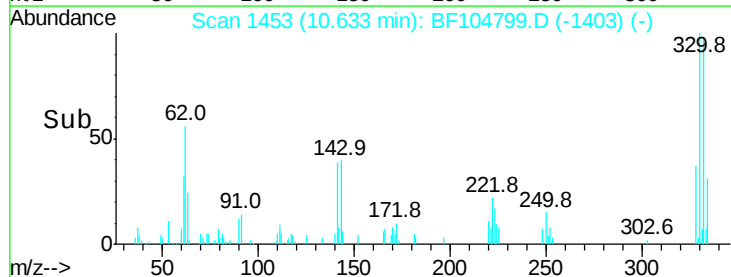
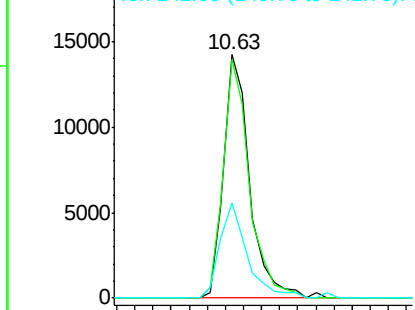


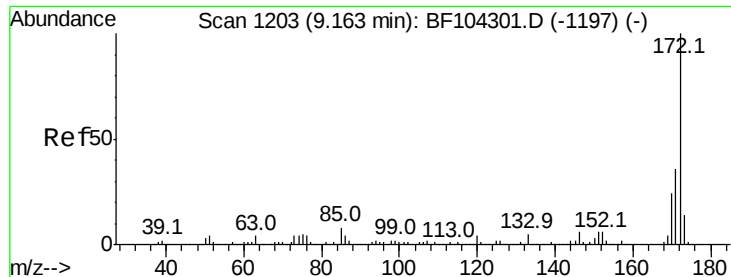
#41
 2,4,6-Tribromophenol
 Concen: 6.639 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Tgt Ion:330 Resp: 14343
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 40.9 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

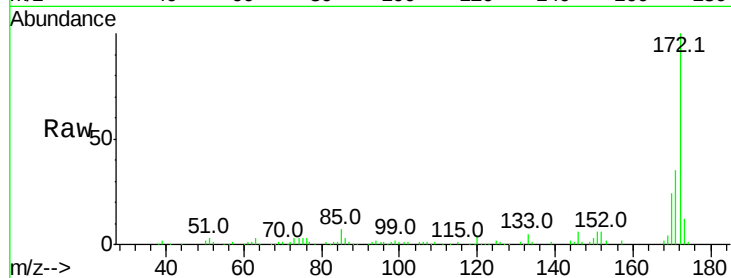




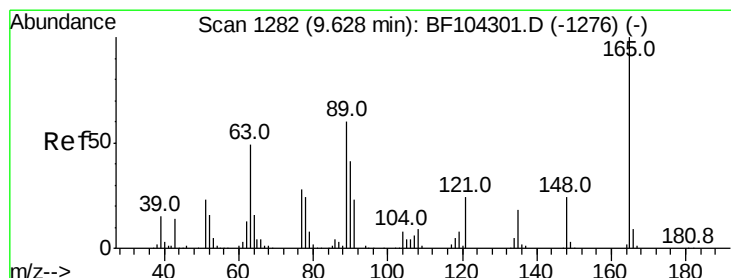
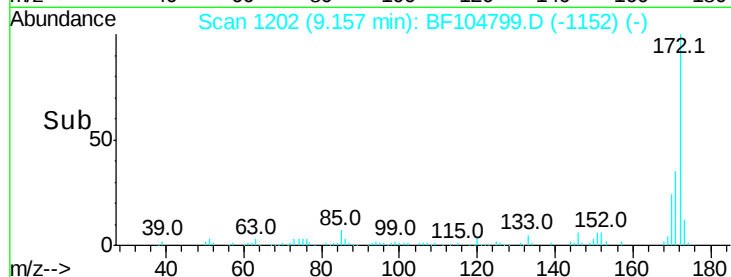
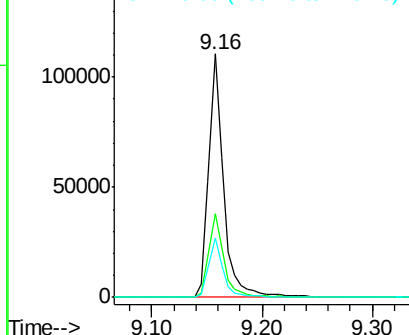
#44
 2-Fluorobiphenyl
 Concen: 7.599 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	24.2	19.6	29.4

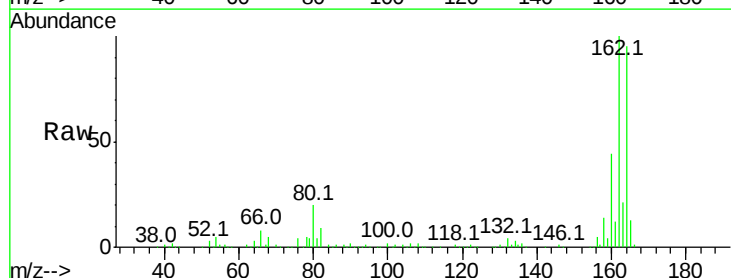


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

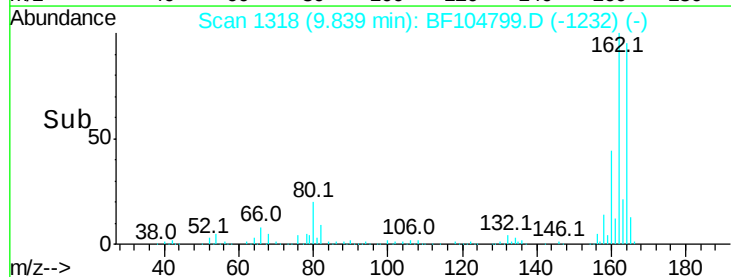
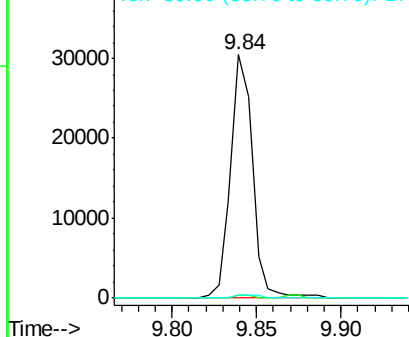


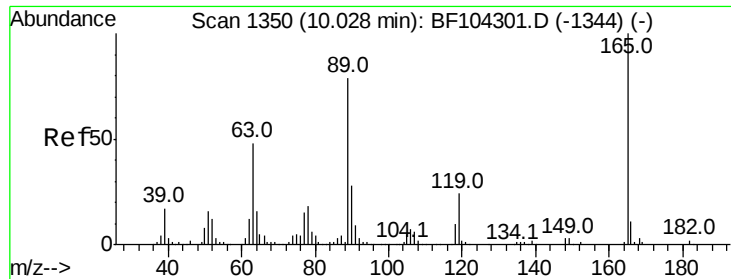
#50
 2,6-Dinitrotoluene
 Concen: 9.101 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.2	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

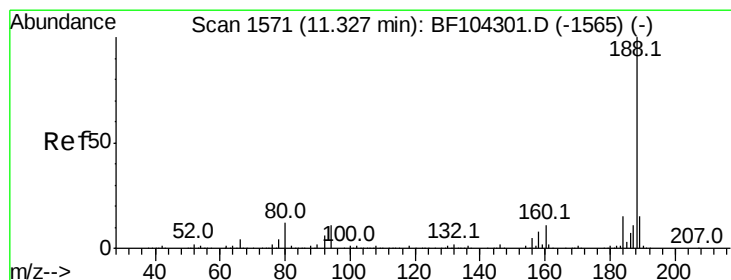
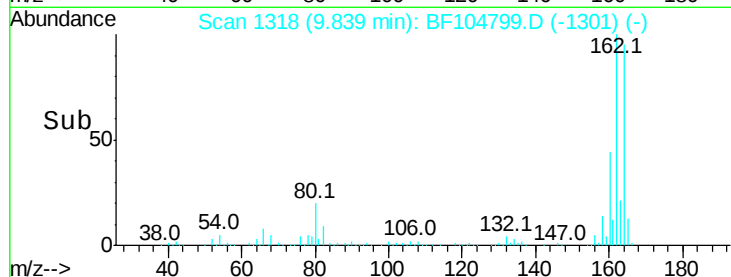
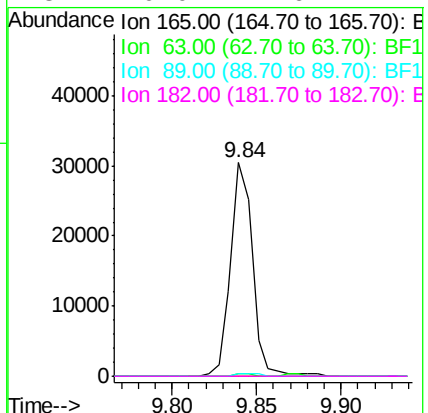
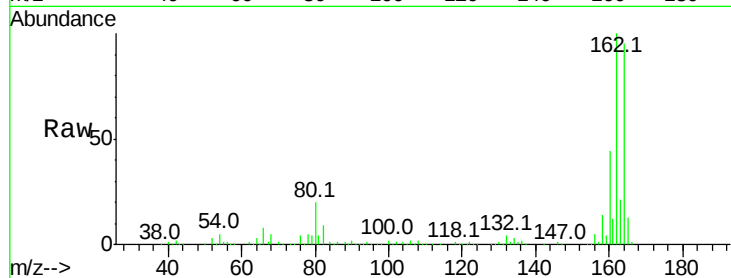




#56
 2,4-Dinitrotoluene
 Concen: 6.938 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

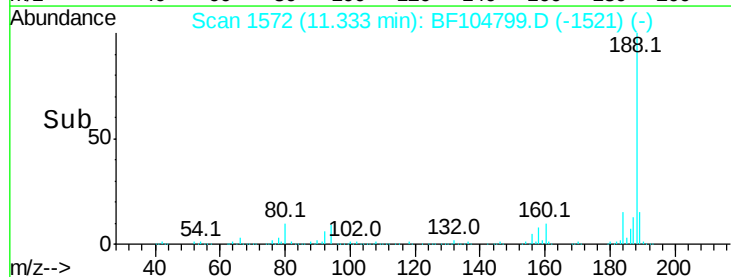
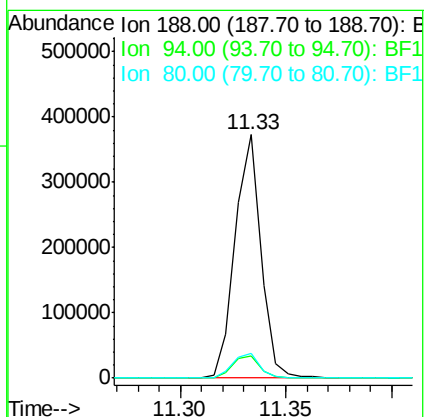
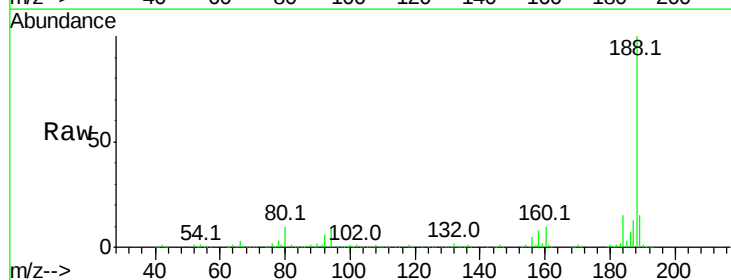
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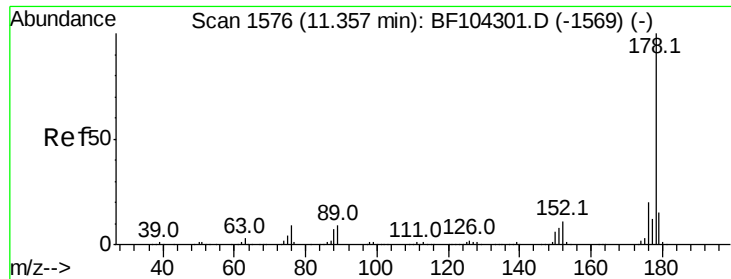
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.0	9.2	13.8

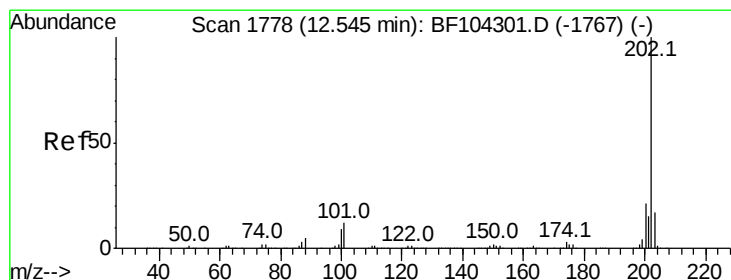
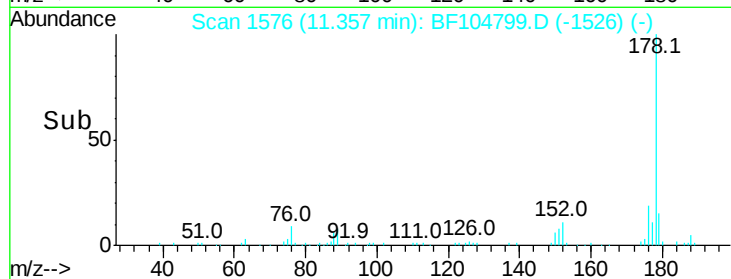
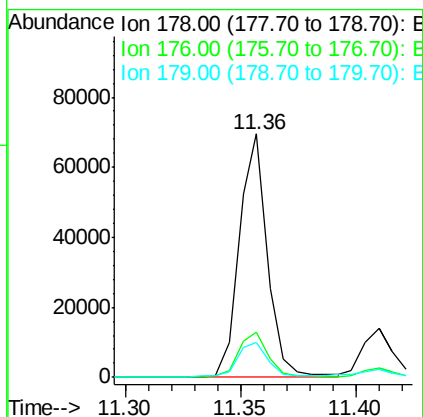
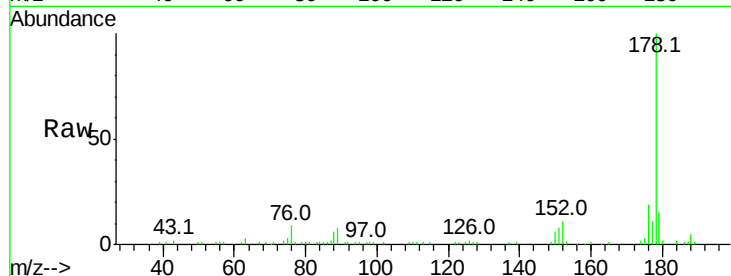




#70
Phenanthrene
Concen: 3.359 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104799.D
Acq: 25 Apr 2018 19:54

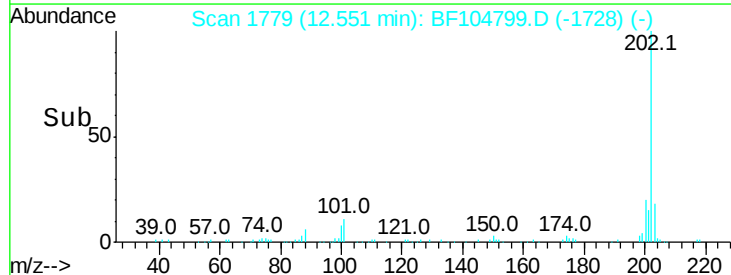
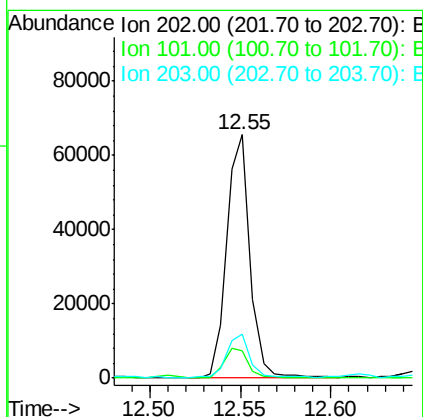
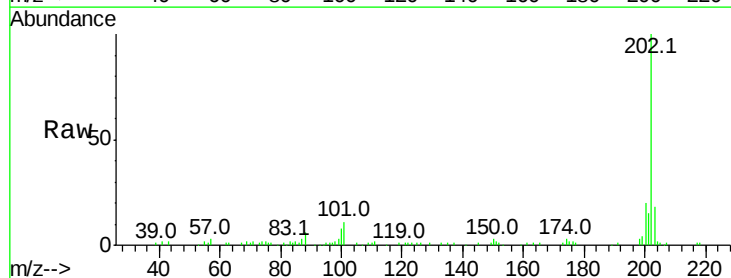
Instrument :
BNA_F
ClientSampleId :

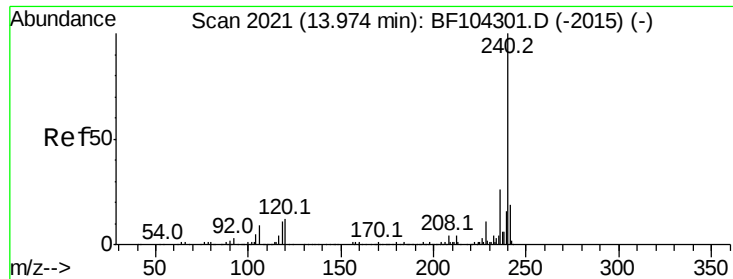
Tot Ion:178 Resp: 58898
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.6 13.0 19.6



#74
Fluoranthene
Concen: 3.215 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF104799.D
Acq: 25 Apr 2018 19:54

Tgt Ion:202 Resp: 58912
Ion Ratio Lower Upper
202 100
101 11.4 0.0 34.1
203 17.9 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: BF104799.D

Acq: 25 Apr 2018 19:54

Instrument :

BNA_F

ClientSampleId :

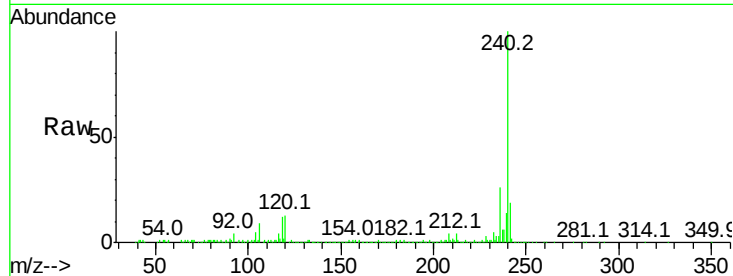
Tot Ion:240 Resp: 215013

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

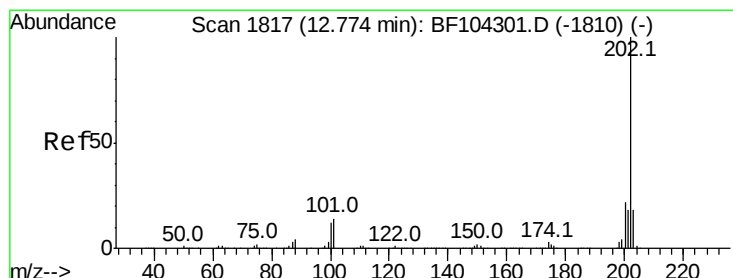
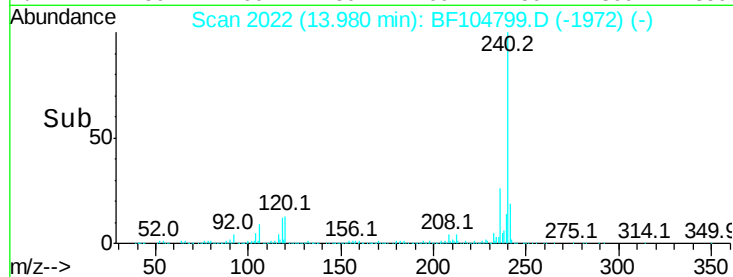
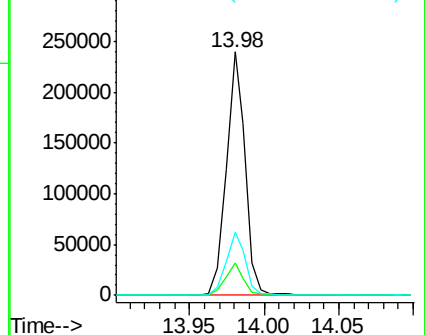
236 25.9 20.7 31.1



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

Pyrene

Concen: 3.196 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104799.D

Acq: 25 Apr 2018 19:54

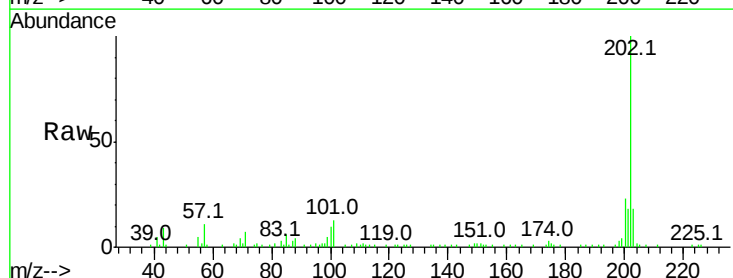
Tgt Ion:202 Resp: 50939

Ion Ratio Lower Upper

202 100

200 22.8 17.4 26.2

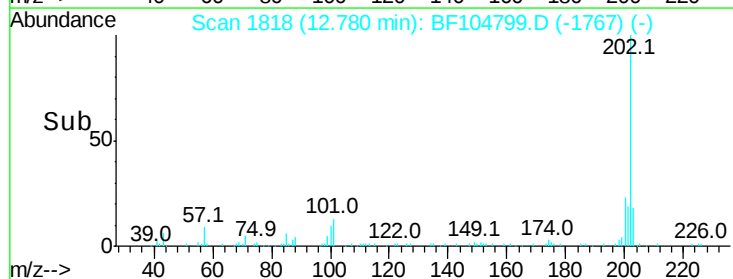
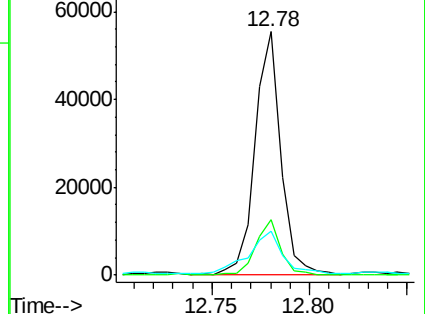
203 18.1 14.3 21.5



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

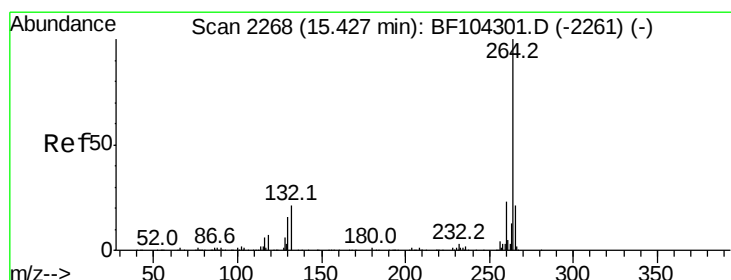
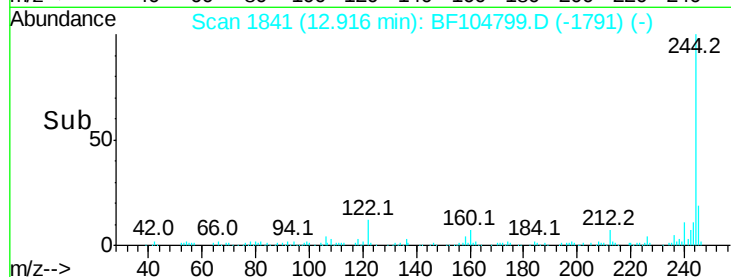
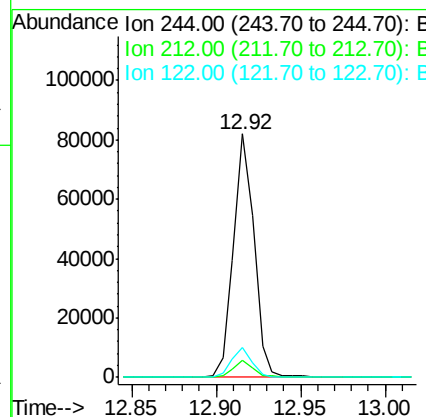
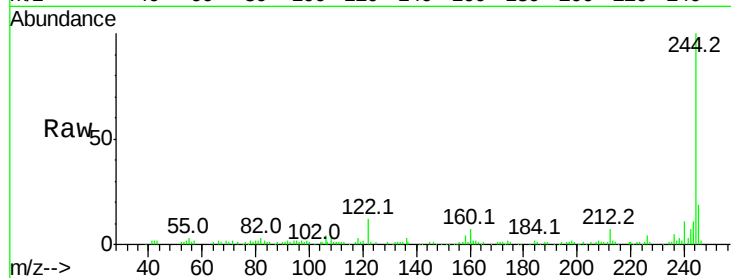




#78
 Terphenyl-d14
 Concen: 7.373 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

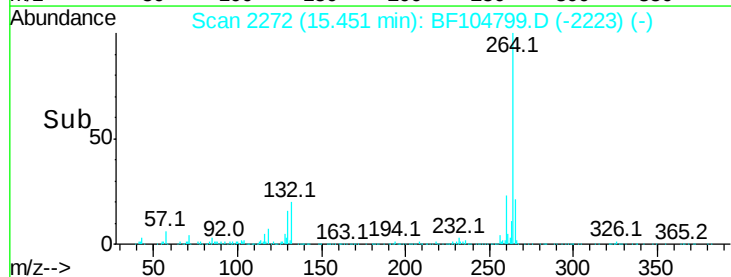
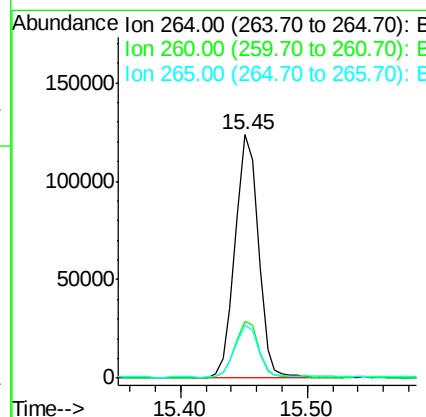
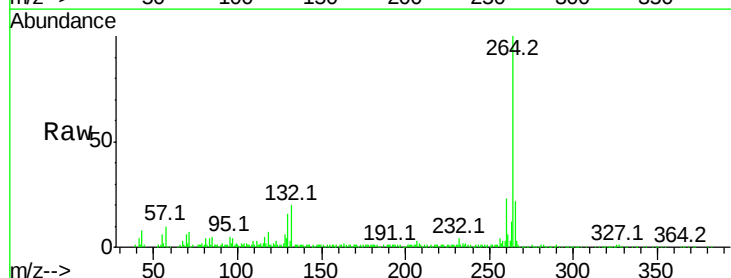
Instrument :
 BNA_F
 ClientSampleId :

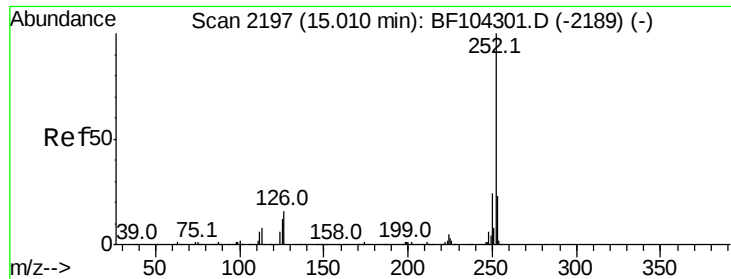
Tot Ion:244 Resp: 69531
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104799.D
 Acq: 25 Apr 2018 19:54

Tgt Ion:264 Resp: 155305
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.8 17.5 26.3

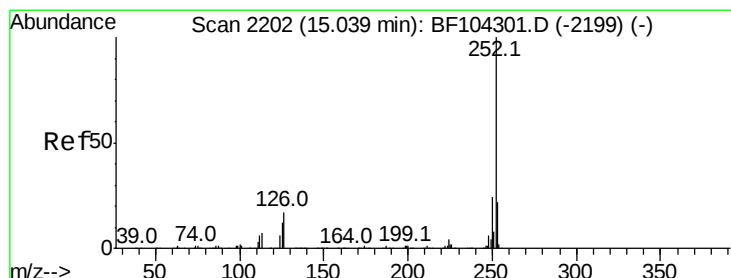
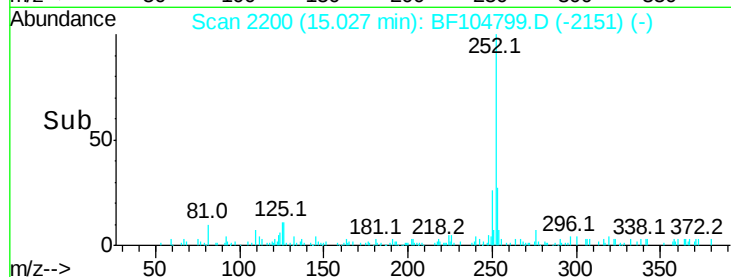
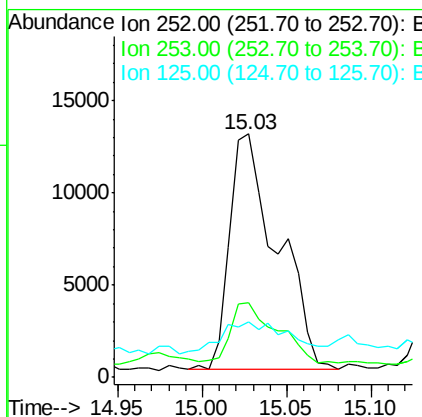
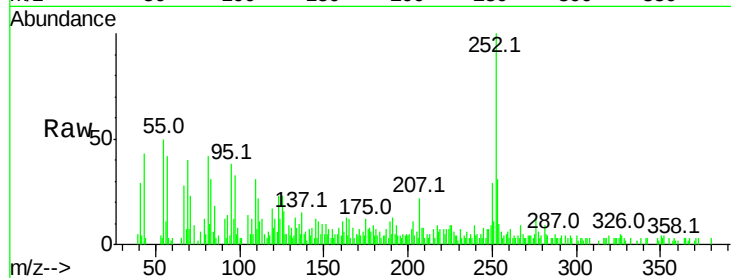




#87
Benzo(b)fluoranthene
Concen: 2.555 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104799.D
Acq: 25 Apr 2018 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.0	25.6#
125	22.5	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 2.706 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF104799.D
Acq: 25 Apr 2018 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.9	26.9#
125	22.5	10.2	15.2#

