

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103608.D
 Acq On : 13 Mar 2018 17:01
 Operator : SJ/JU
 Sample : J1890-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 22:04:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	128797	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	567015	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	253300	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	464726	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	302834	20.00	ng	-0.01
86) Perylene-d12	15.56	264	244678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	971612	114.09	ng	0.00
7) Phenol-d6	6.50	99	1321190	126.79	ng	-0.01
23) Nitrobenzene-d5	7.43	82	835311	84.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	231771	108.10	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1232803	83.47	ng	-0.01
78) Terphenyl-d14	12.98	244	1024366	81.31	ng	0.00

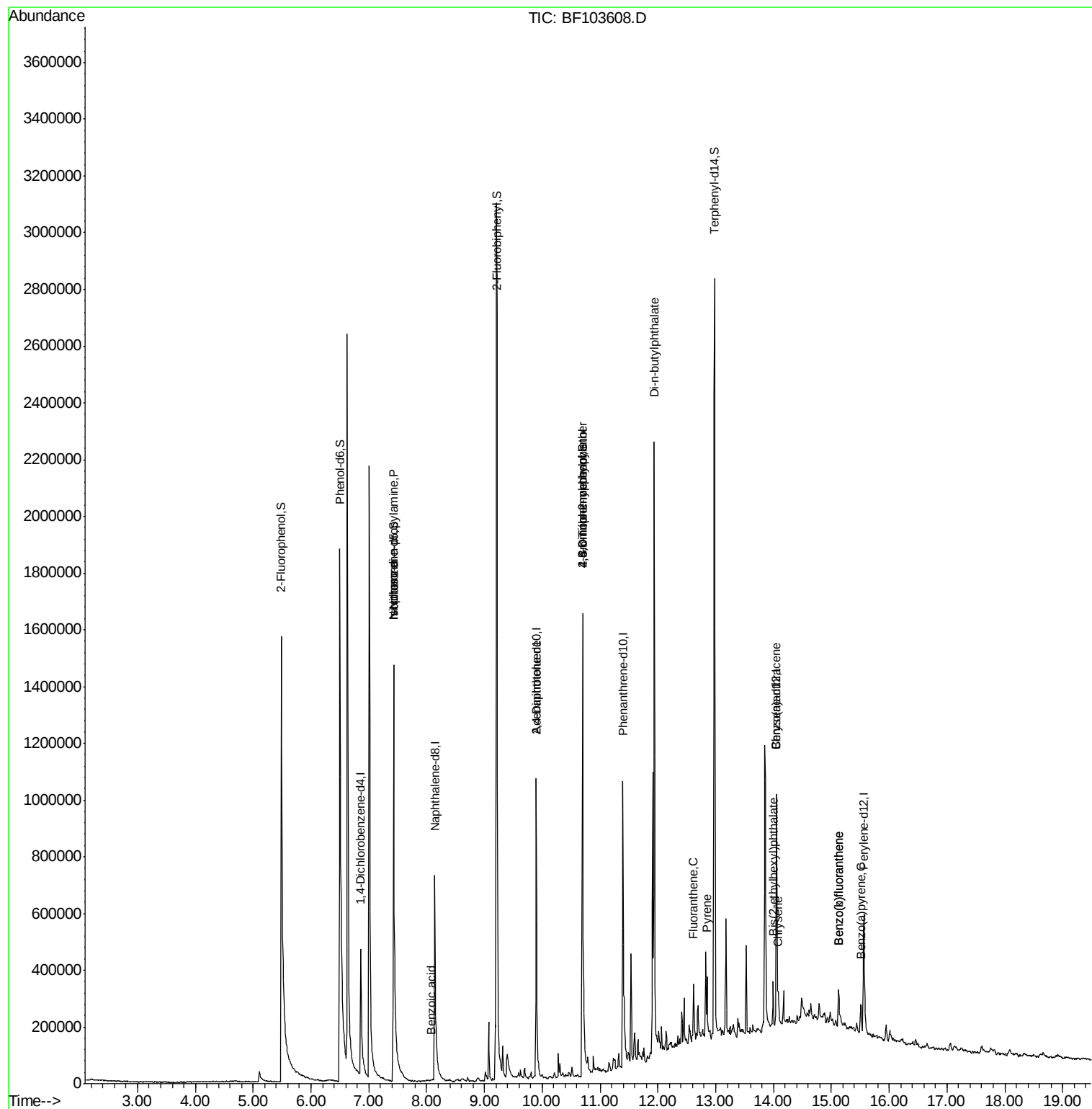
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2391	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	110056	16.970	ng	# 83
25) Isophorone	7.43	82	835311	42.717	ng	# 64
32) Benzoic acid	8.07	122	117	6.931	ng	92
56) 2,4-Dinitrotoluene	9.90	165	33271	6.169	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	377	5.065	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16301	3.367	ng	# 1
73) Di-n-butylphthalate	11.94	149	1059089	32.408	ng	99
74) Fluoranthene	12.62	202	98993	3.852	ng	98
77) Pyrene	12.85	202	96696	4.095	ng	99
80) Benzo(a)anthracene	14.04	228	42191	2.147	ng	96
82) Chrysene	14.08	228	39135	2.051	ng	96
83) Bis(2-ethylhexyl)phthalate	13.99	149	39240	2.331	ng	# 96
87) Benzo(b)fluoranthene	15.13	252	55589	3.455	ng	# 82
88) Benzo(k)fluoranthene	15.13	252	55589	3.670	ng	# 85
89) Benzo(a)pyrene	15.50	252	30510	2.124	ng	# 87

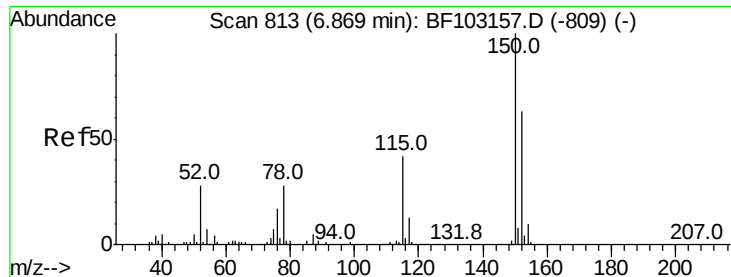
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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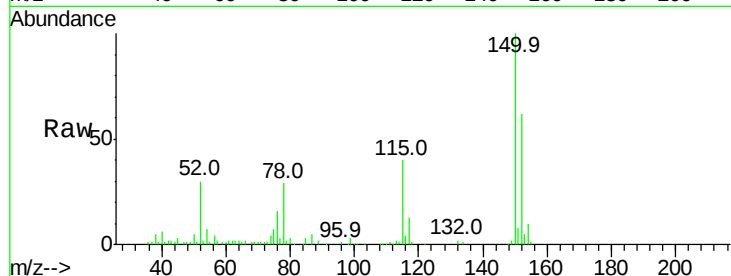


#1

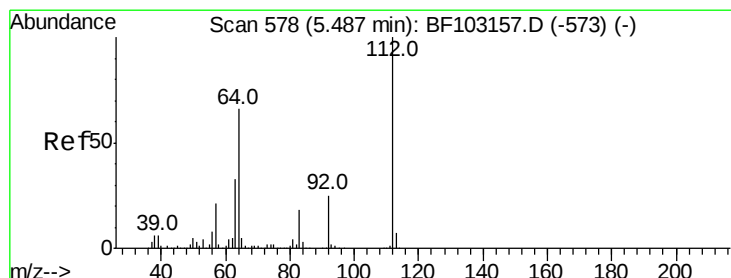
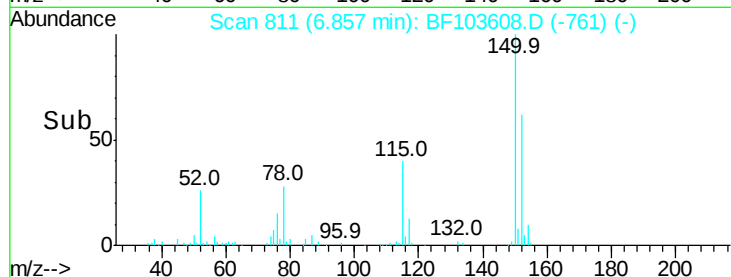
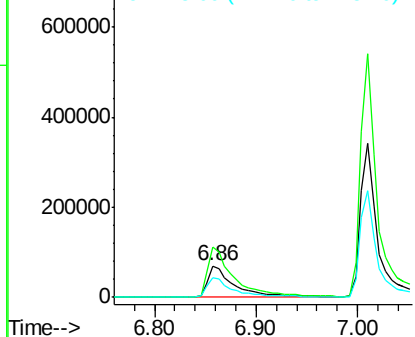
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	63.4	50.1	75.1



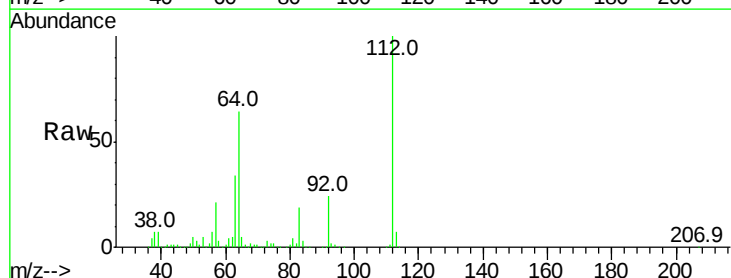
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



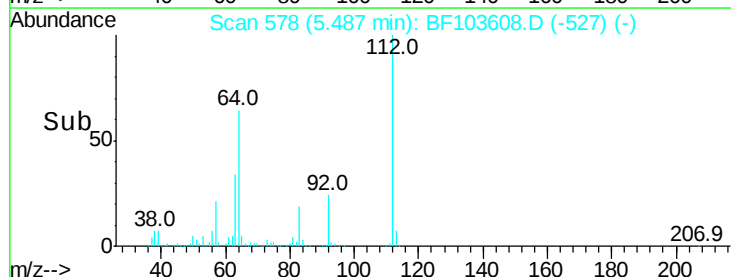
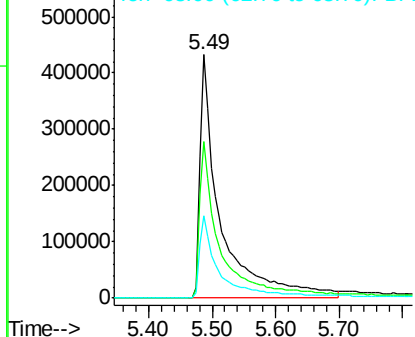
#5

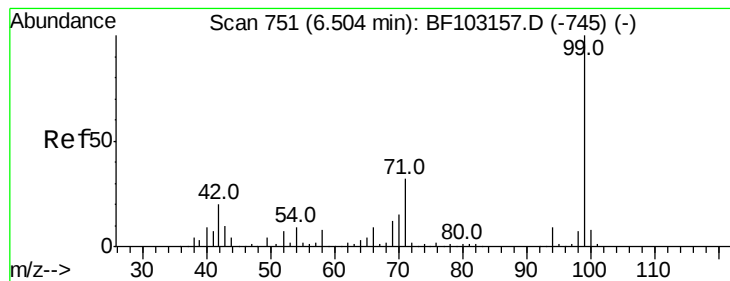
2-Fluorophenol
Concen: 114.094 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	33.7	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: 126.788 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

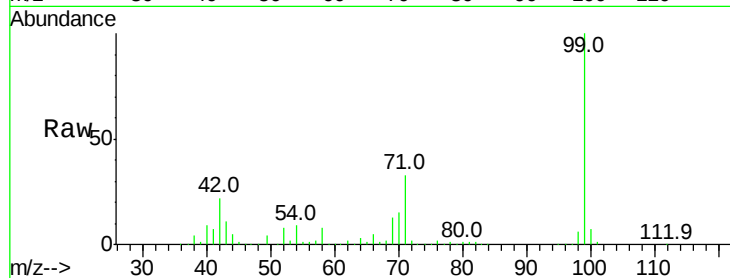
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1321190

Ion	Ratio	Lower	Upper
99	100		
42	22.4	14.5	21.7#
71	33.0	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

6.50

800000

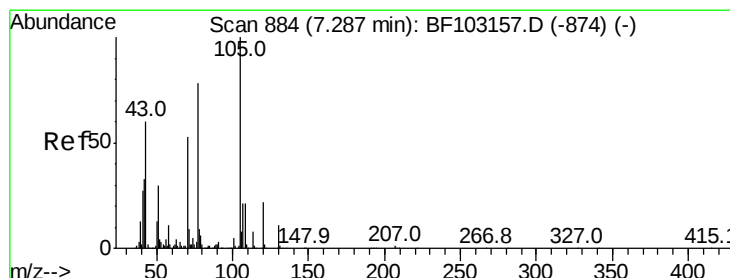
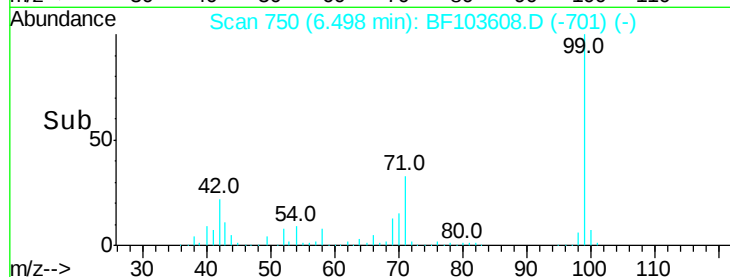
600000

400000

200000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 16.970 ng

RT: 7.43 min Scan# 908

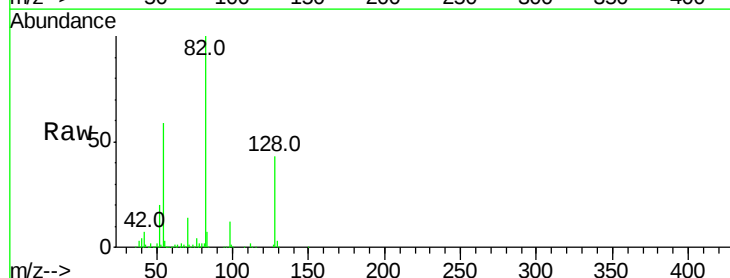
Delta R.T. 0.15 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

Tgt Ion: 70 Resp: 110056

Ion	Ratio	Lower	Upper
70	100		
42	53.7	47.5	71.3
101	0.0	7.4	11.2#
130	1.7	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

7.43

100000

80000

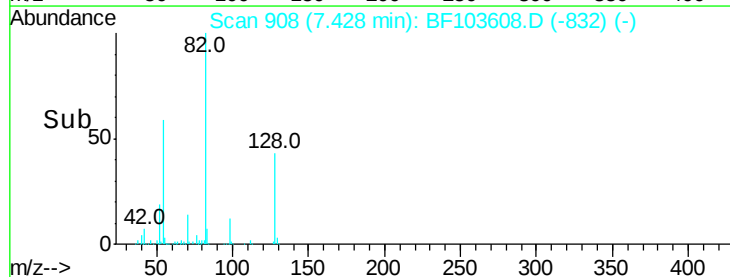
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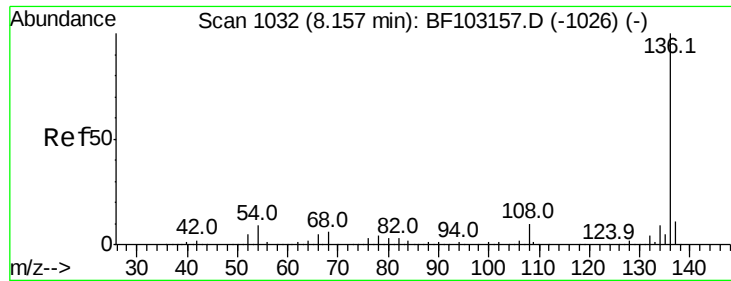
40000

20000

0

Time-->

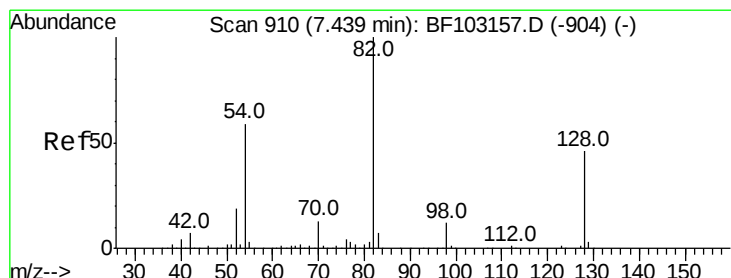
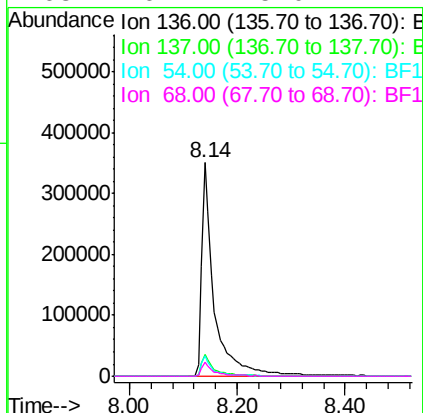
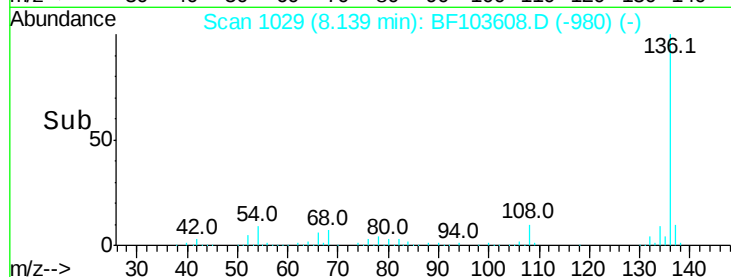
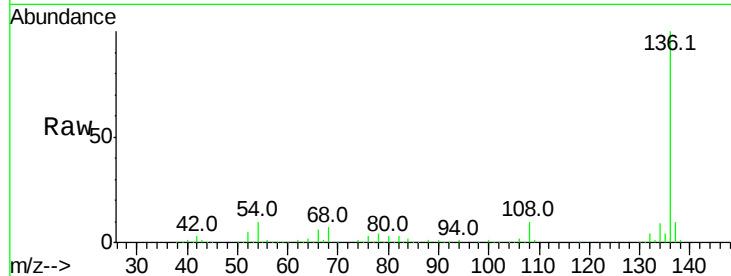




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

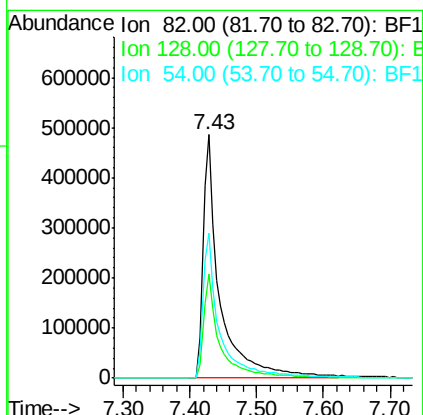
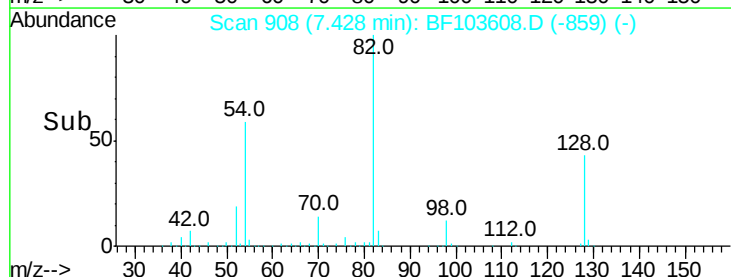
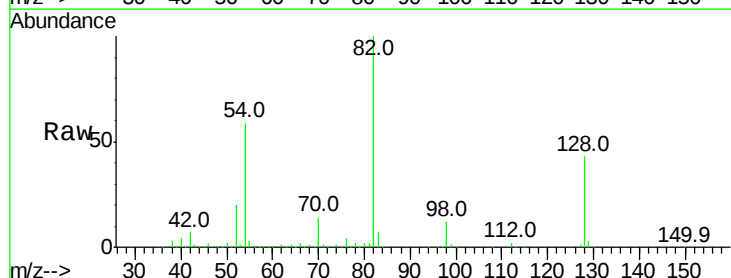
Instrument :
BNA_F
ClientSampled :

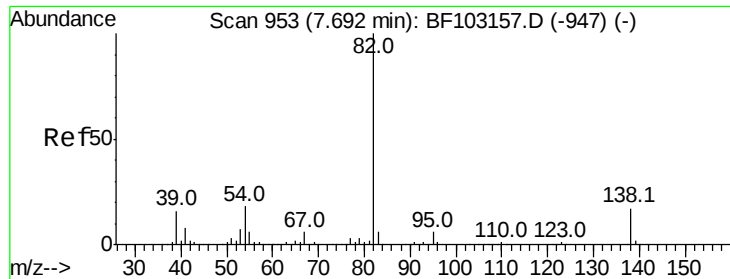
Tot Ion:136	Resp:	567015
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.9 13.3
54	9.6	6.6 9.8
68	6.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 84.131 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Tgt Ion: 82	Resp:	835311
Ion Ratio	Lower	Upper
82	100	
128	42.8	36.1 54.1
54	59.4	41.4 62.2





#25

Isophorone

Concen: 42.717 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

Instrument :

BNA_F

ClientSampleId :

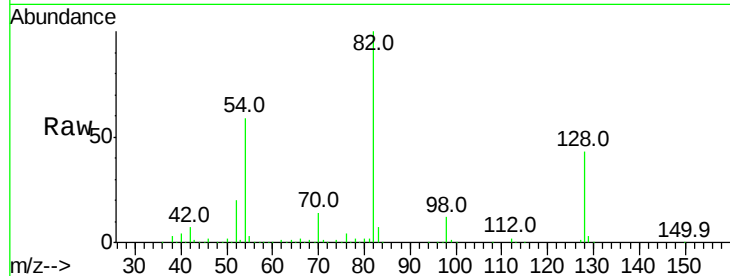
Tot Ion: 82 Resp: 835311

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

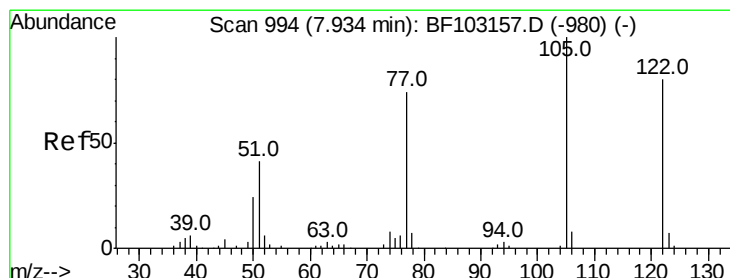
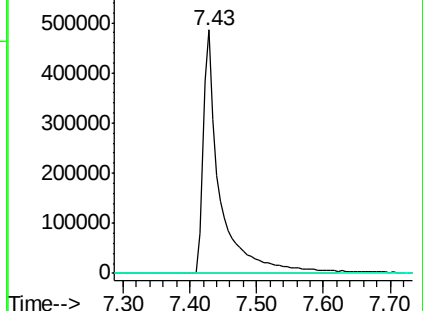
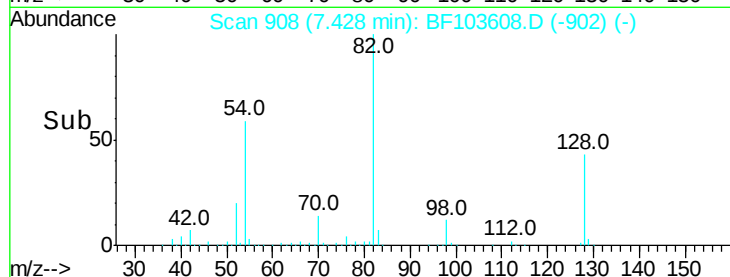
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.931 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.10 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

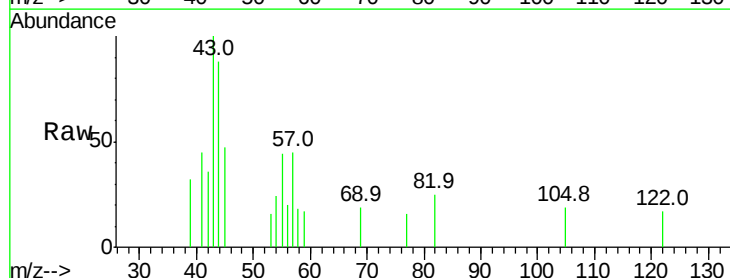
Tgt Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 110.5 101.1 141.1

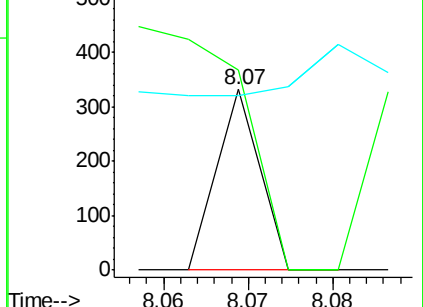
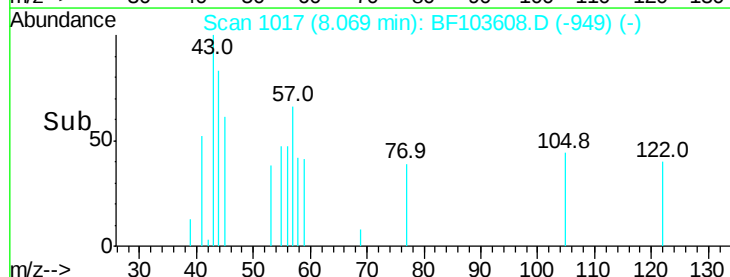
77 96.7 70.7 110.7

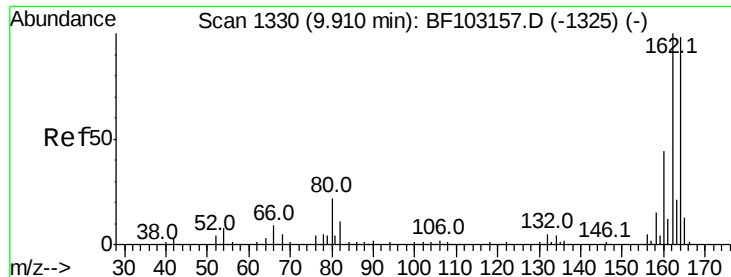


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

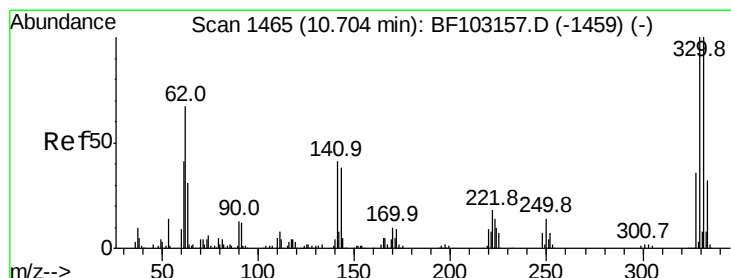
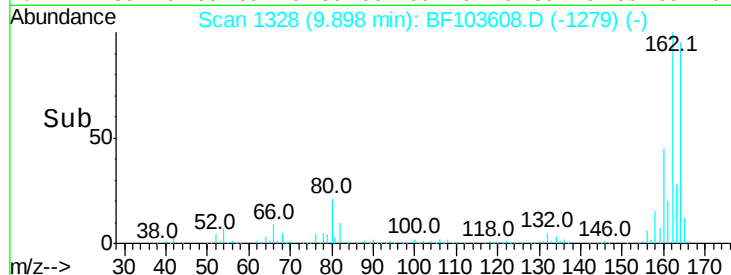
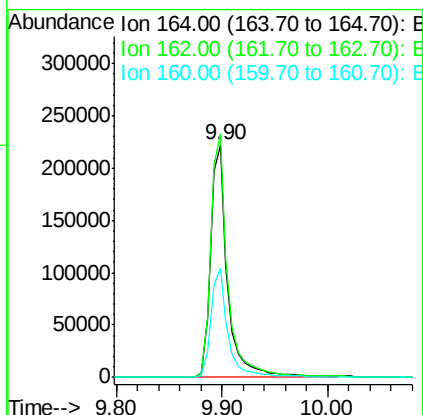
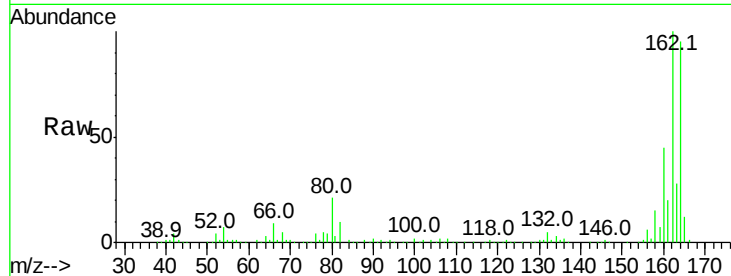




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

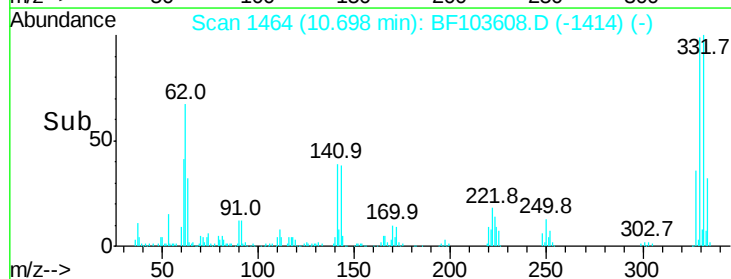
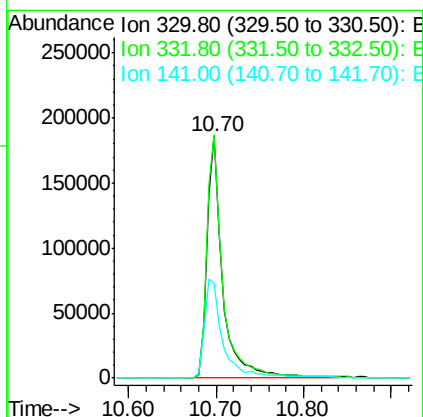
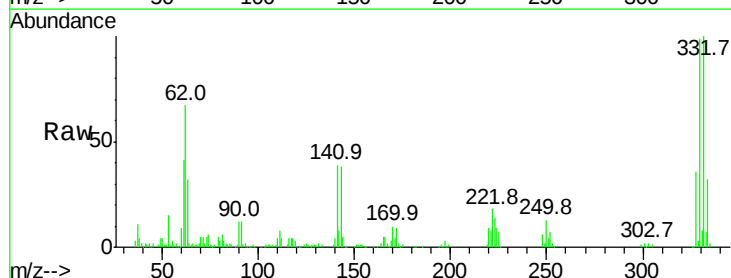
Instrument :
BNA_F
ClientSampleId :

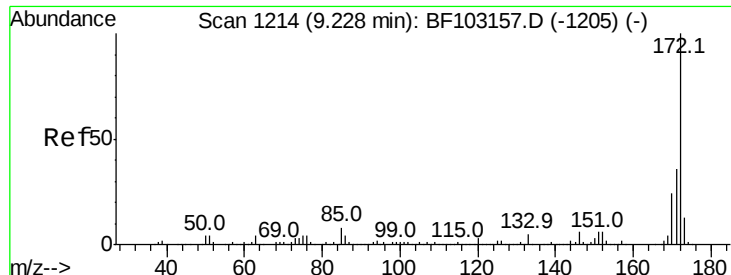
Tot Ion:164 Resp: 253300
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 47.0 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 108.100 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Tgt Ion:330 Resp: 231771
Ion Ratio Lower Upper
330 100
332 103.3 77.0 115.6
141 49.3 29.9 44.9#



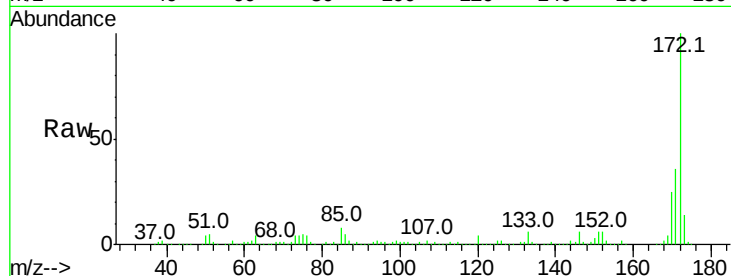


#44
 2-Fluorobiphenyl
 Concen: 83.471 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103608.D
 Acq: 13 Mar 2018 17:01

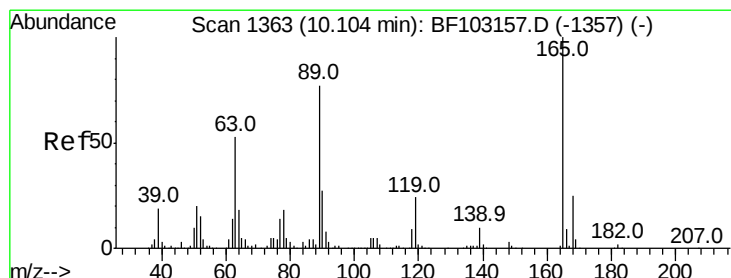
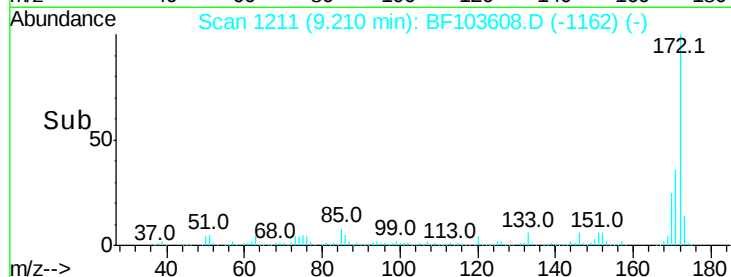
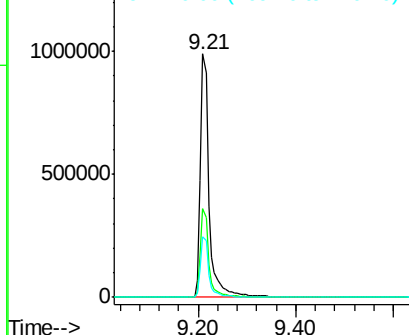
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1232803

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	25.0	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

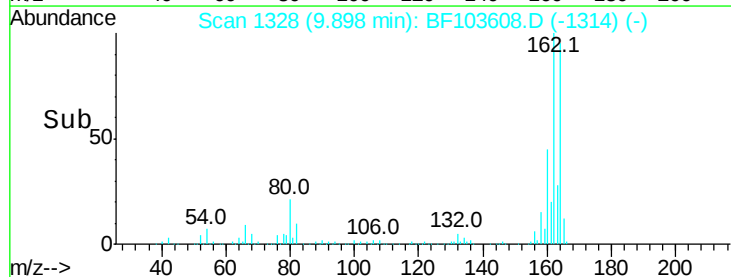
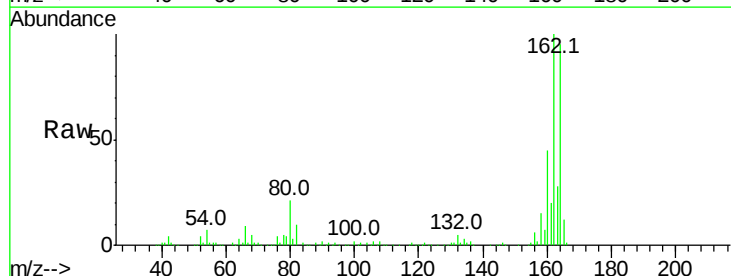
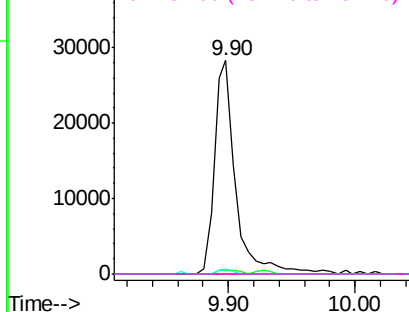


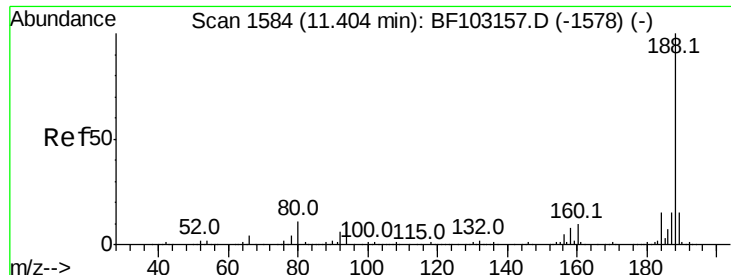
#56
 2,4-Dinitrotoluene
 Concen: 6.169 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103608.D
 Acq: 13 Mar 2018 17:01

Tgt Ion:165 Resp: 33271

Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	2.1	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

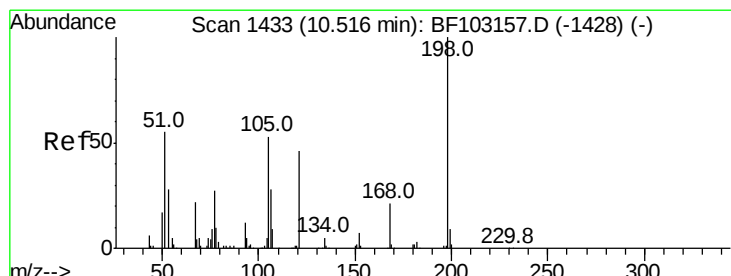
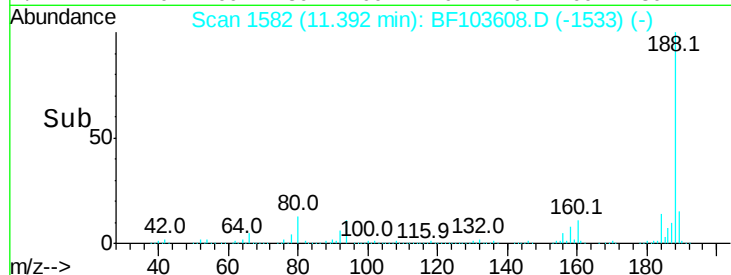
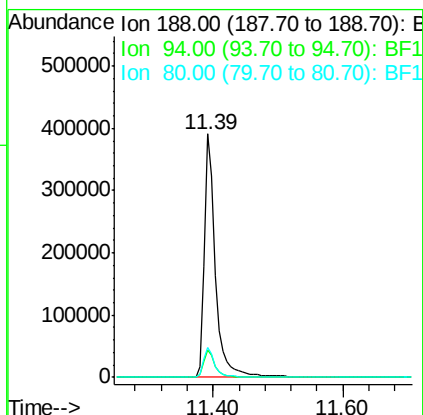
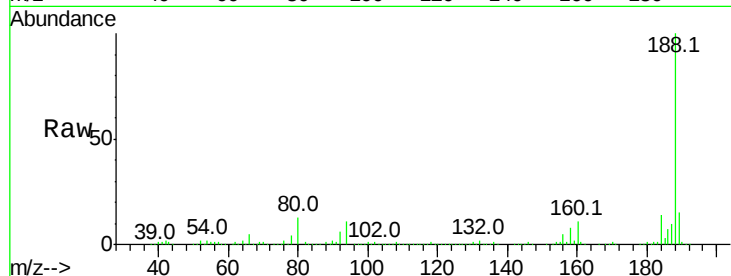




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

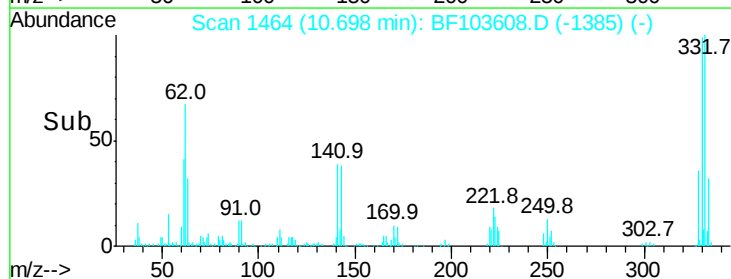
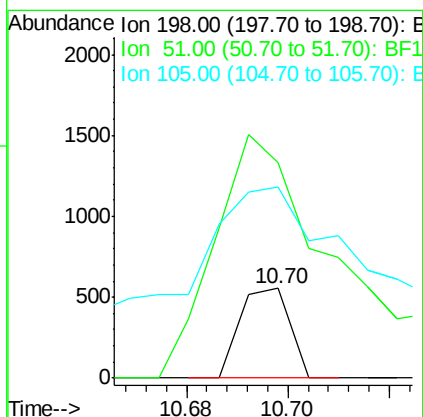
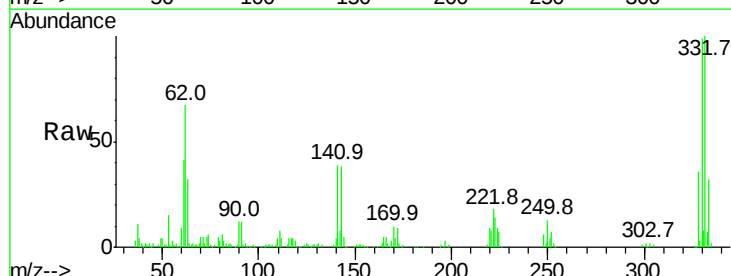
Instrument :
BNA_F
ClientSampled :

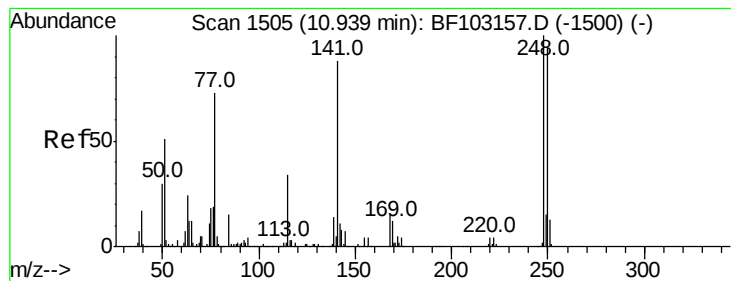
Tot Ion:188 Resp: 464726
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.065 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Tgt Ion:198 Resp: 377
Ion Ratio Lower Upper
198 100
51 240.4 37.7 77.7#
105 213.0 36.3 76.3#





#66

4-Bromophenyl-phenylether

Concen: 3.367 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

Instrument :

BNA_F

ClientSampled :

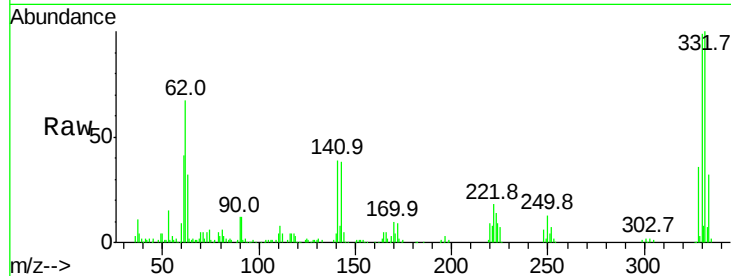
Tot Ion:248 Resp: 16301

Ion Ratio Lower Upper

248 100

250 200.6 76.9 115.3#

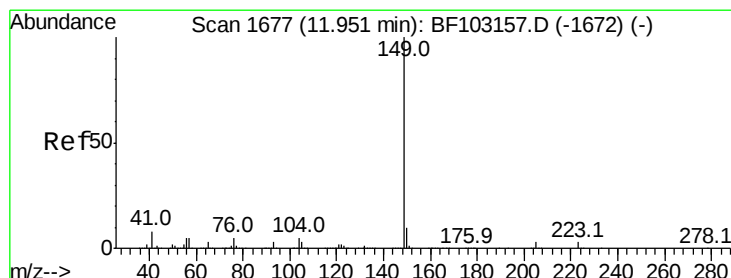
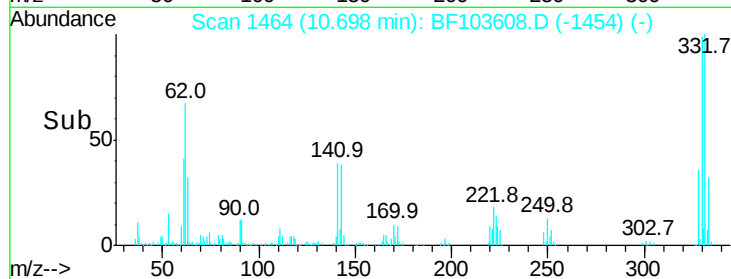
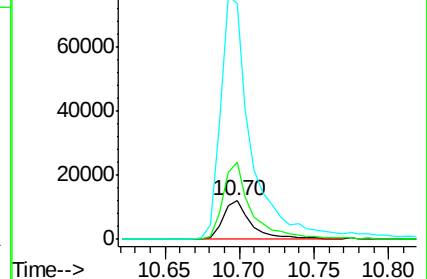
141 613.5 74.4 111.6#



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



#73

Di-n-butylphthalate

Concen: 32.408 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

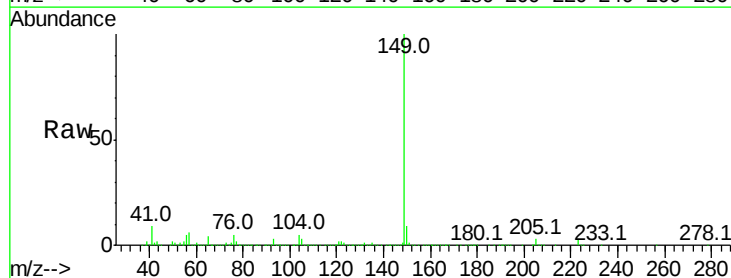
Tgt Ion:149 Resp: 1059089

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

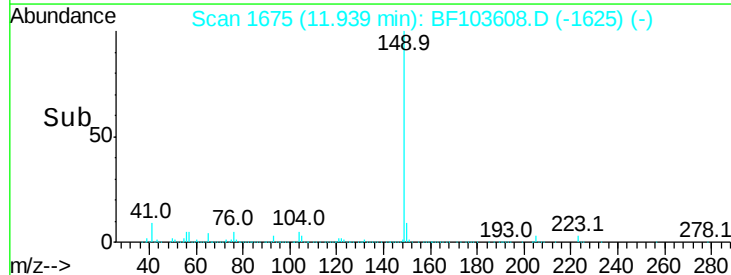
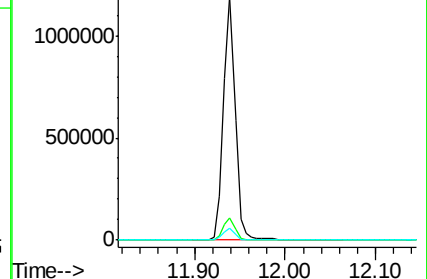
104 5.1 3.8 5.8

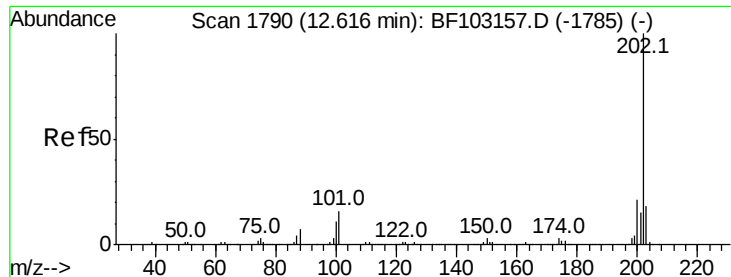


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 3.852 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

Instrument :

BNA_F

ClientSampleId :

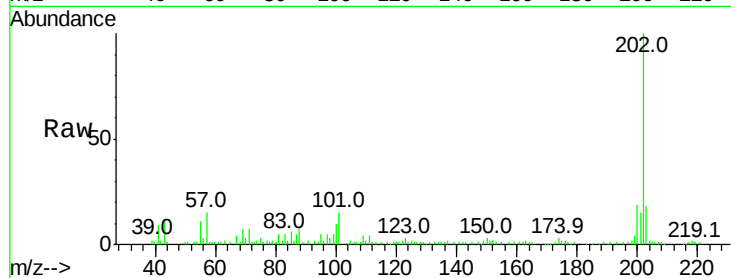
Tot Ion:202 Resp: 98993

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.1

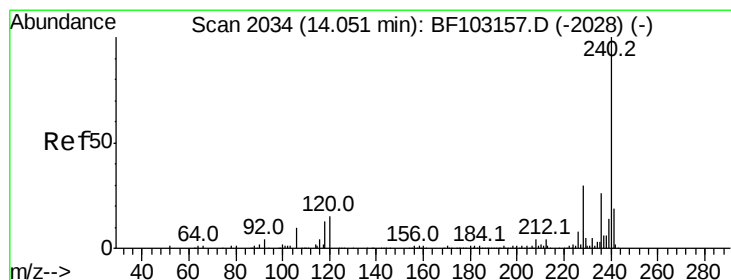
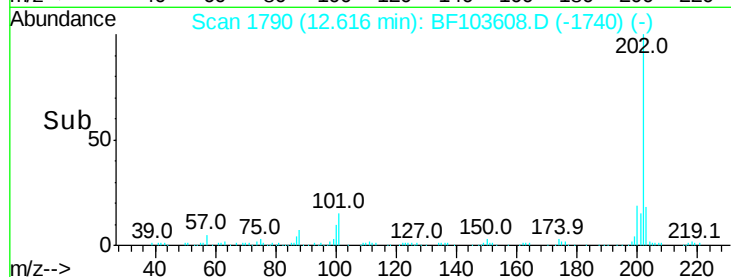
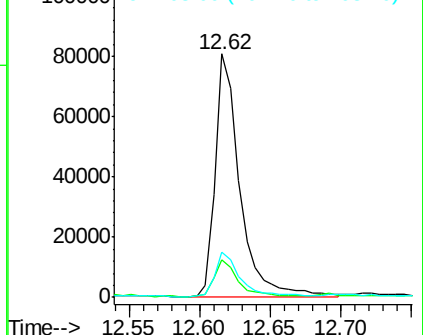
203 18.4 0.0 38.1



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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

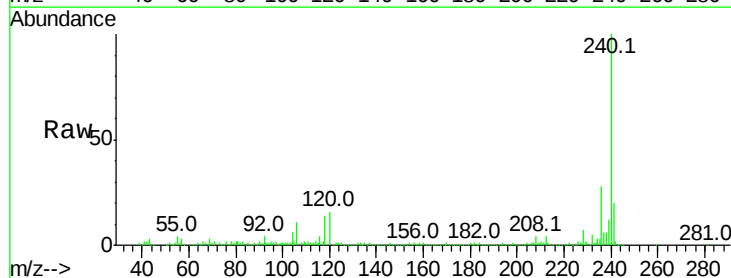
Tgt Ion:240 Resp: 302834

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

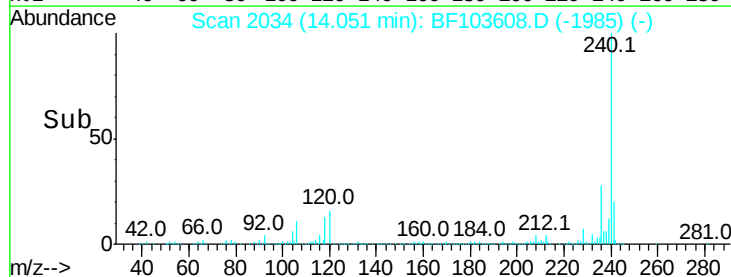
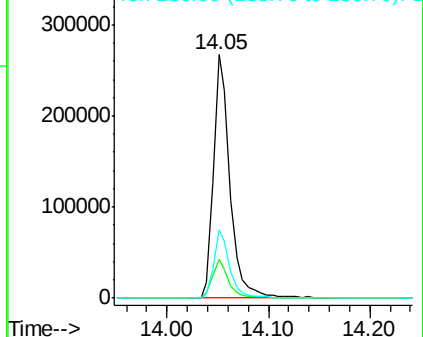
236 28.3 20.7 31.1

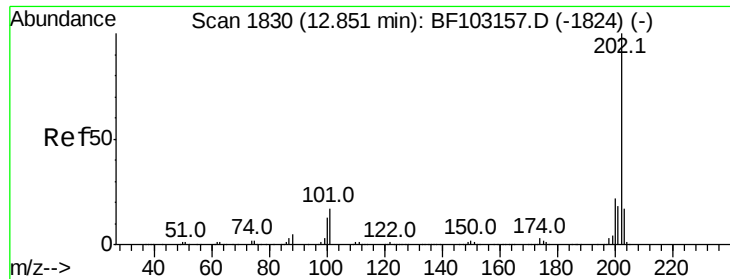


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

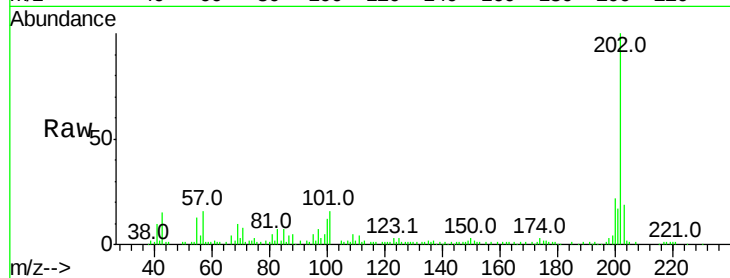




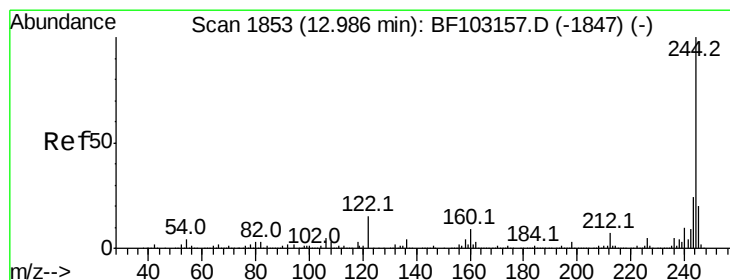
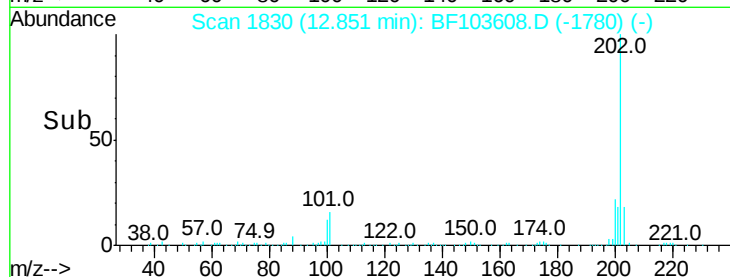
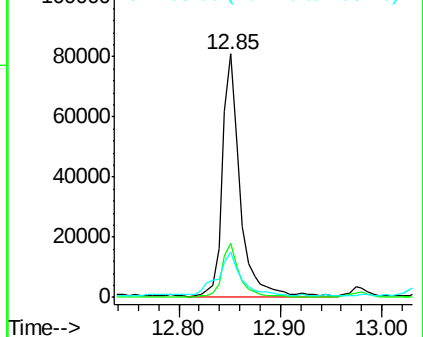
#77
Pvrene
Concen: 4.095 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 96696
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.8 14.3 21.5

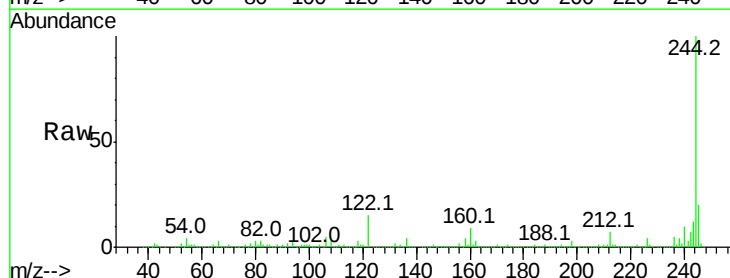


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

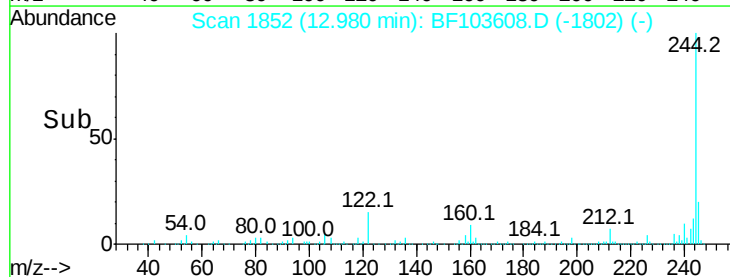
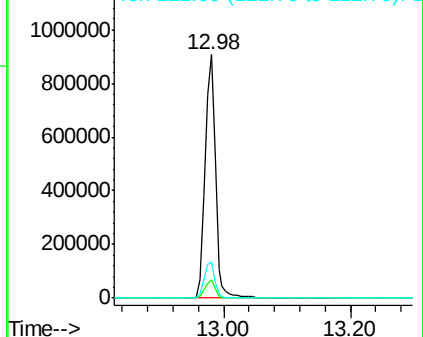


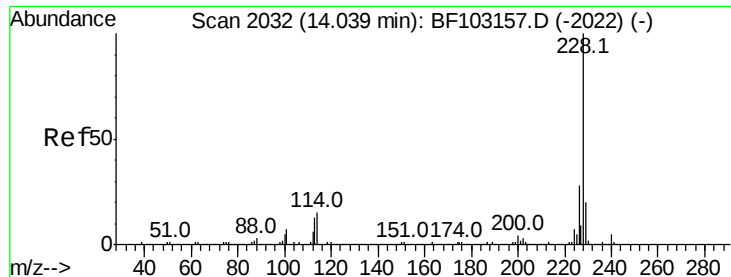
#78
Terphenyl-d14
Concen: 81.313 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Tgt Ion:244 Resp: 1024366
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.0
122 14.8 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: 2.147 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

Instrument :

BNA_F

ClientSampleId :

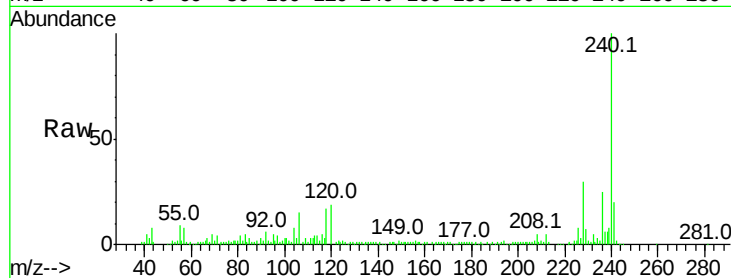
Tot Ion:228 Resp: 42191

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

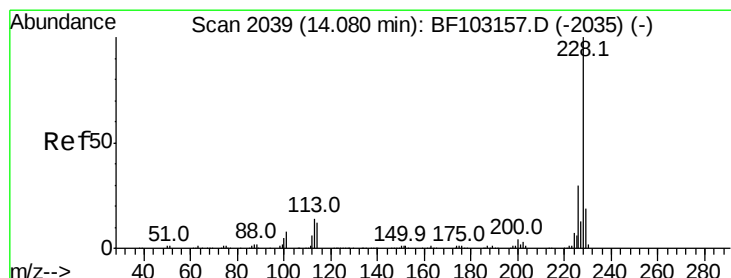
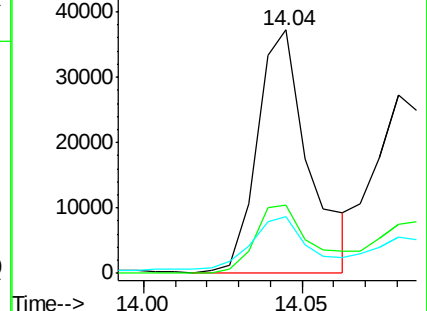
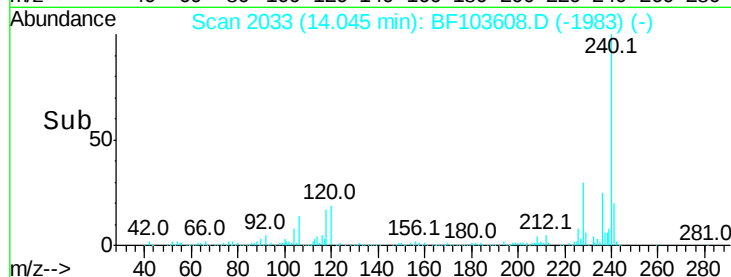
229 23.4 15.8 23.6



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



#82

Chrysene

Concen: 2.051 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

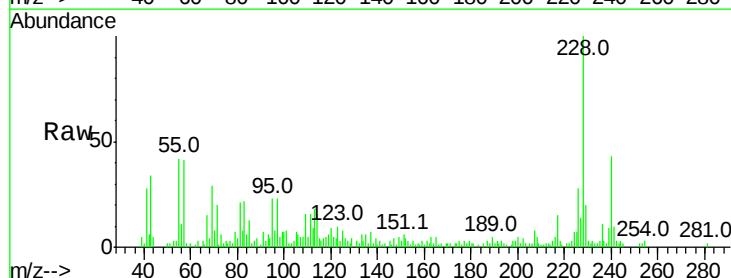
Tgt Ion:228 Resp: 39135

Ion Ratio Lower Upper

228 100

226 27.5 25.0 37.6

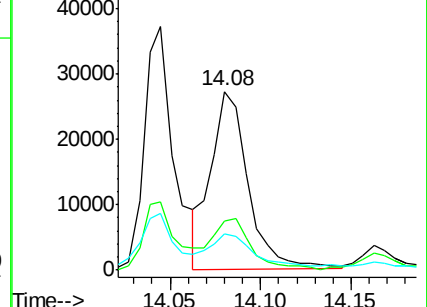
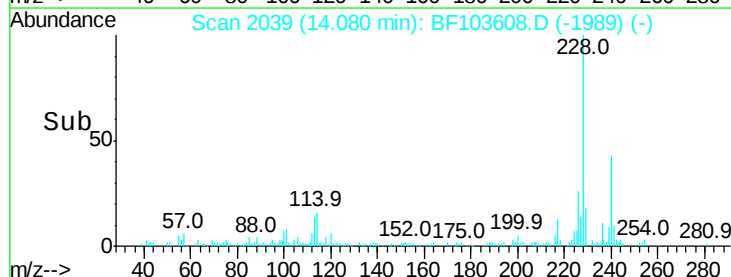
229 20.0 16.2 24.4

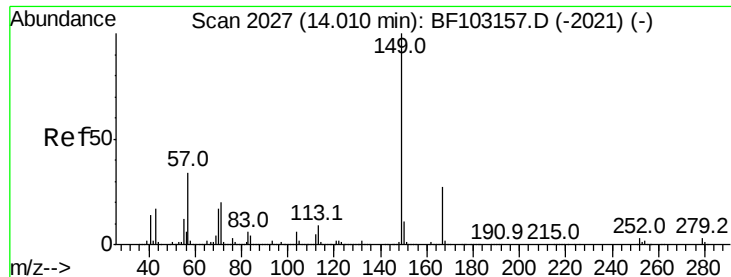


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

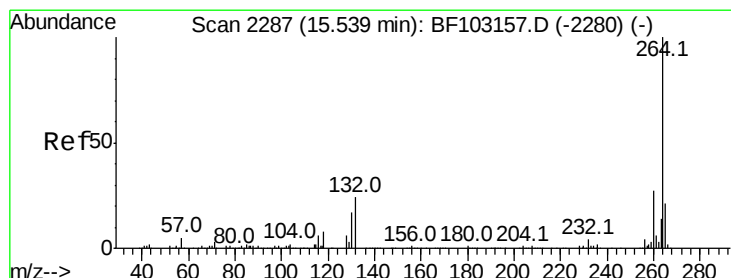
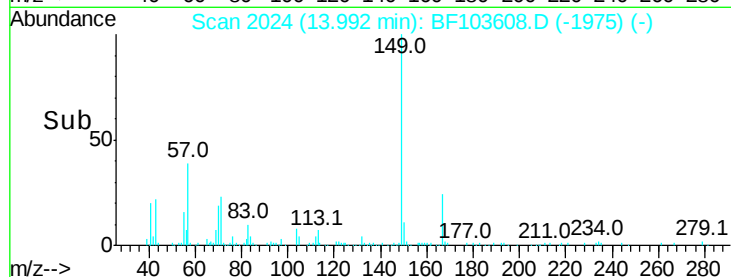
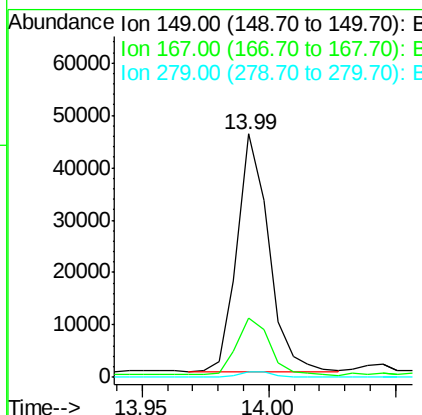
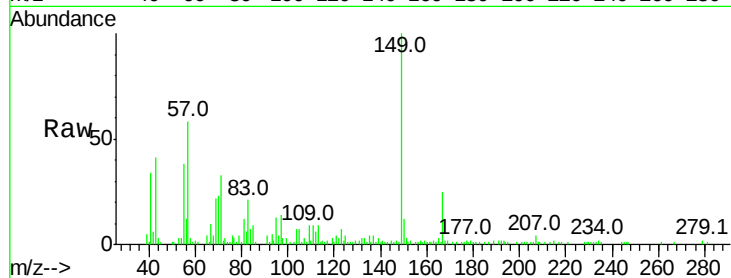




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.331 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF103608.D
 Acq: 13 Mar 2018 17:01

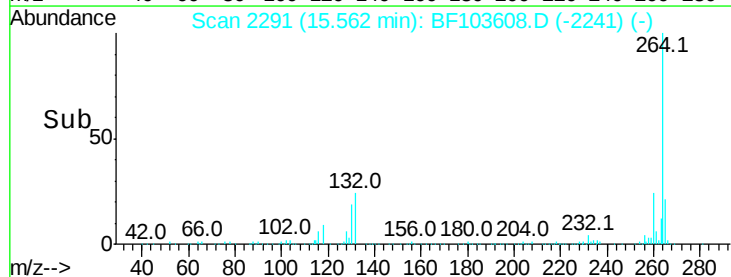
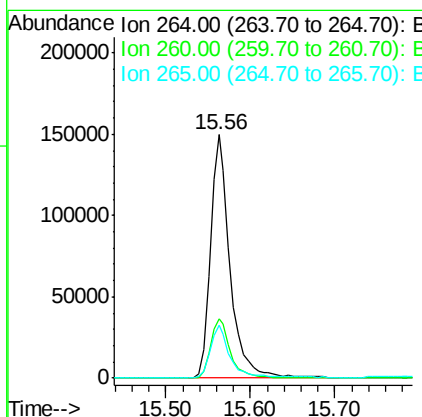
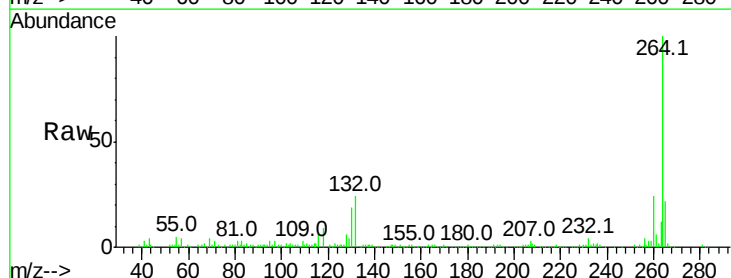
Instrument :
 BNA_F
 ClientSampleId :

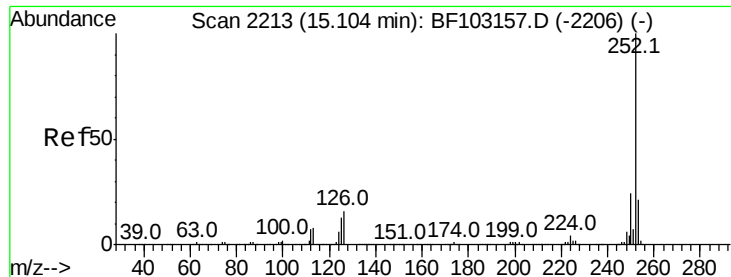
Tot Ion:149 Resp: 39240
 Ion Ratio Lower Upper
 149 100
 167 24.5 21.3 31.9
 279 2.2 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF103608.D
 Acq: 13 Mar 2018 17:01

Tgt Ion:264 Resp: 244678
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.6 17.5 26.3

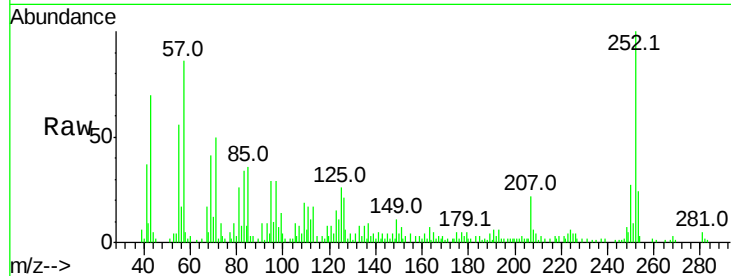




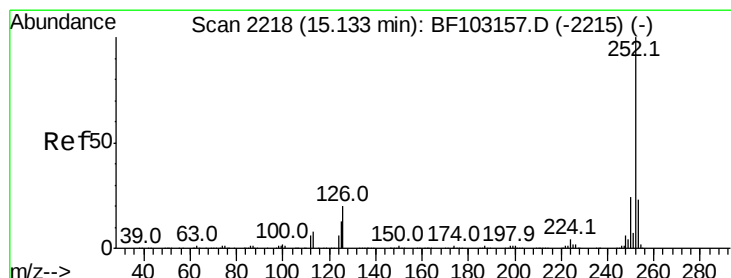
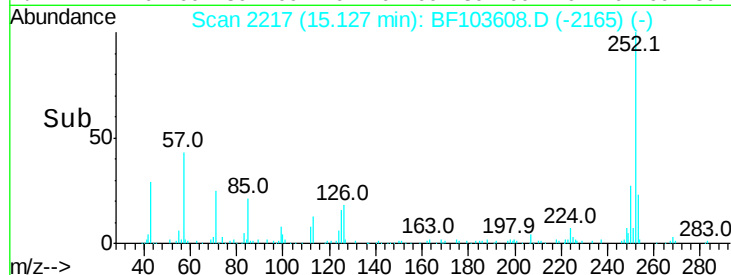
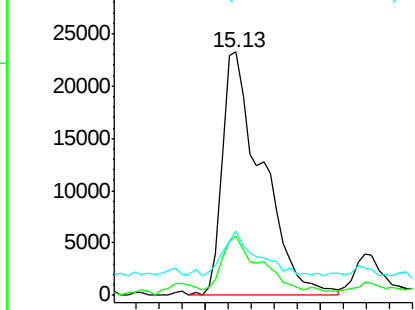
#87
Benzo(b)fluoranthene
Concen: 3.455 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 55589
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 26.3 9.0 13.6#

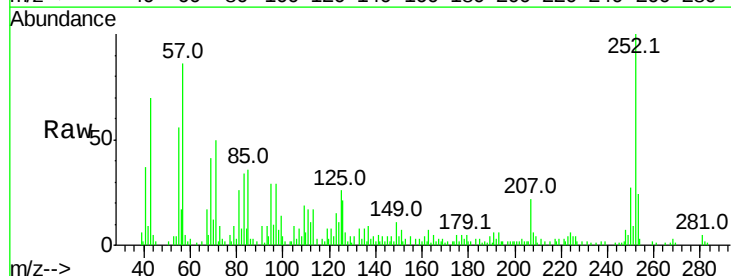


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

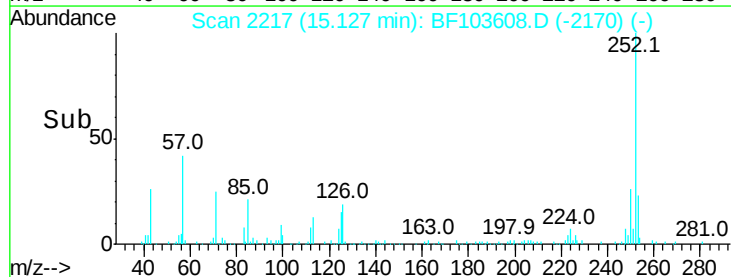
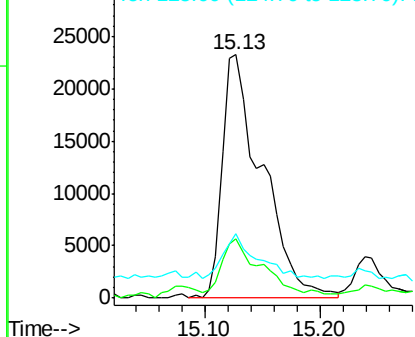


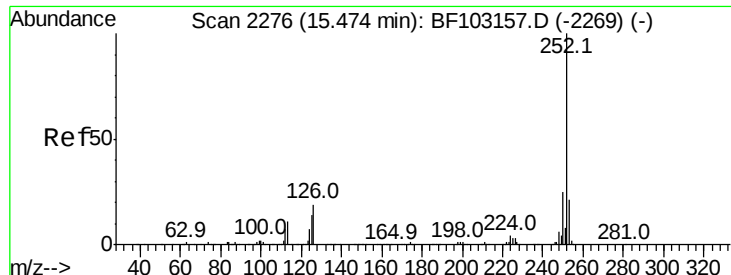
#88
Benzo(k)fluoranthene
Concen: 3.670 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103608.D
Acq: 13 Mar 2018 17:01

Tgt Ion:252 Resp: 55589
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 26.3 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: 2.124 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

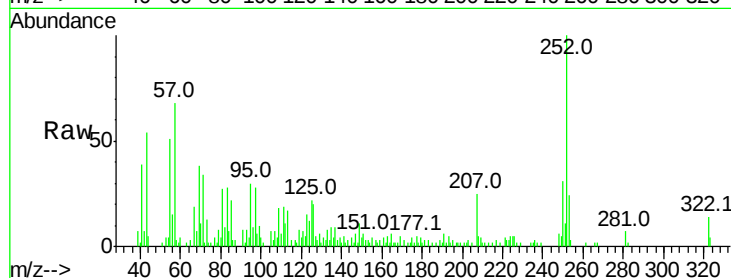
Lab File: BF103608.D

Acq: 13 Mar 2018 17:01

Instrument :

BNA_F

ClientSampleId :



Tot Ion:252 Resp: 30510

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 21.6 9.8 14.6

