

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101867.D
 Acq On : 3 Jan 2018 18:31
 Operator : SJ/JU
 Sample : I7105-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 00:09:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	160764	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	629893	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	260503	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	420968	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	307435	20.00	ng	-0.02
86) Perylene-d12	15.42	264	253261	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1093792	101.35	ng	0.00
7) Phenol-d6	6.42	99	1290592	96.08	ng	-0.01
23) Nitrobenzene-d5	7.35	82	812384	71.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	245578	97.83	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1174185	69.92	ng	-0.01
78) Terphenyl-d14	12.88	244	845386	66.29	ng	-0.02

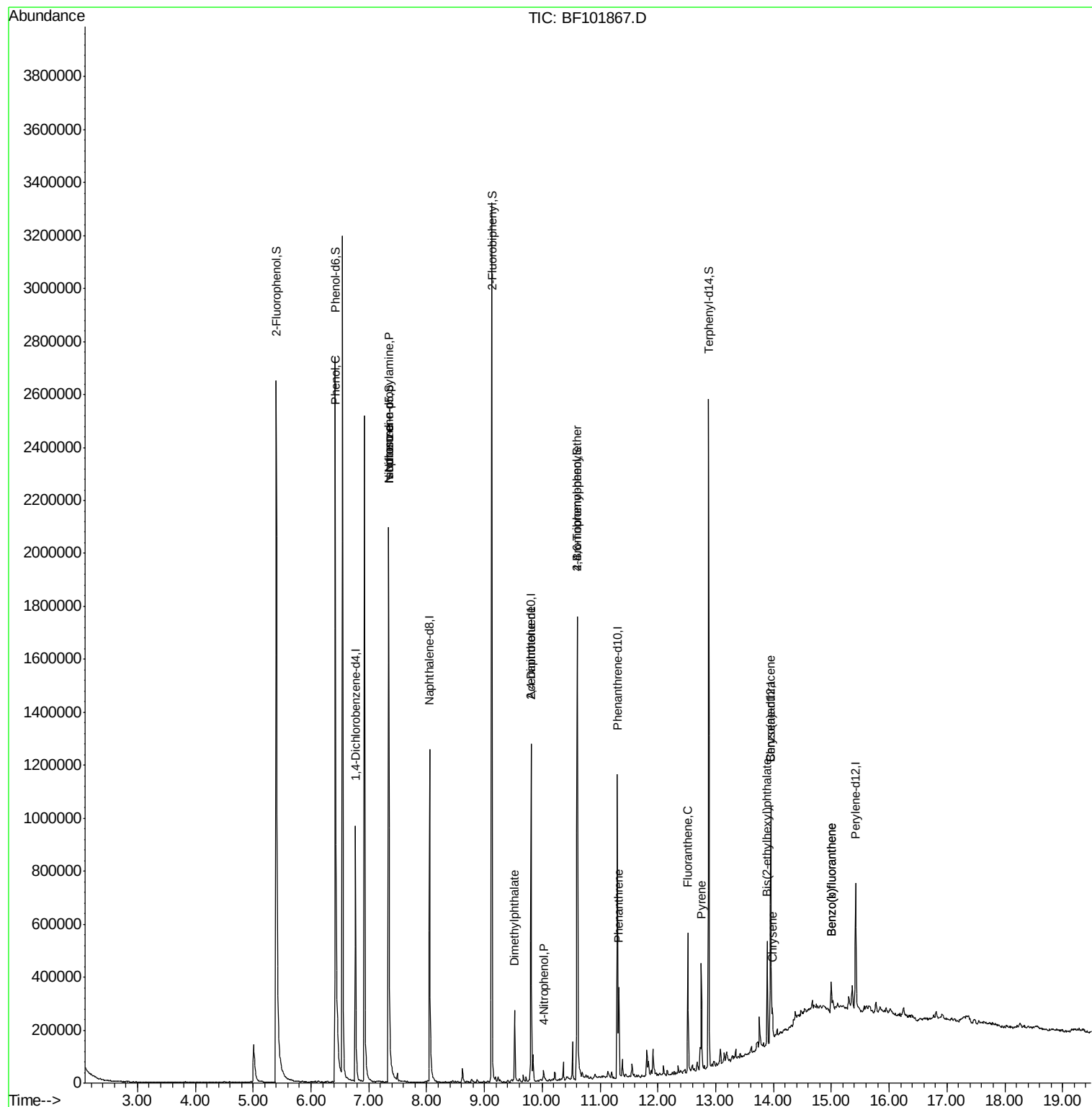
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.43	94	55121	3.601	ng	# 67
19) n-Nitroso-di-n-propylamine	7.35	70	107096	12.141	ng	# 81
25) Isophorone	7.35	82	812384	35.788	ng	# 64
49) Dimethylphthalate	9.52	163	117516	5.608	ng	98
55) 4-Nitrophenol	10.02	139	6744	2.913	ng	# 16
56) 2,4-Dinitrotoluene	9.80	165	33435	6.968	ng	# 23
66) 4-Bromophenyl-phenylether	10.60	248	14948	3.160	ng	# 1
70) Phenanthrene	11.32	178	137891	5.890	ng	98
74) Fluoranthene	12.52	202	218515	8.893	ng	97
77) Pyrene	12.75	202	162065	7.024	ng	98
80) Benzo(a)anthracene	13.94	228	52305	2.577	ng	96
82) Chrysene	13.98	228	44641	2.329	ng	97
83) Bis(2-ethylhexyl)phthalate	13.89	149	99868	7.552	ng	97
87) Benzo(b)fluoranthene	15.00	252	58214	3.771	ng	# 90
88) Benzo(k)fluoranthene	15.00	252	58080	3.870	ng	# 93

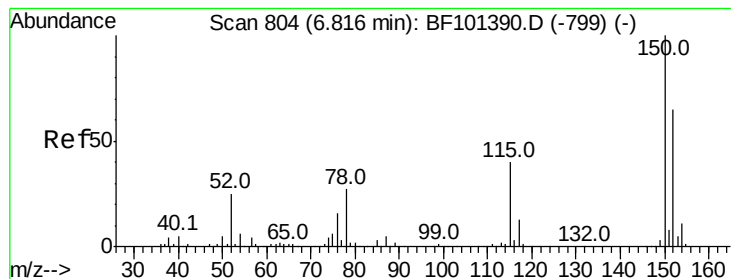
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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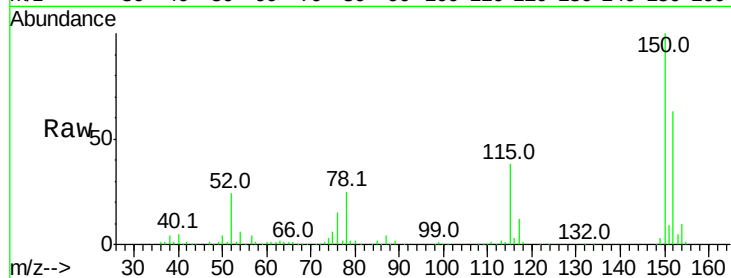


#1

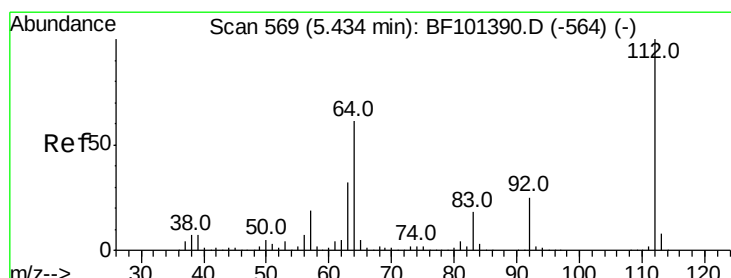
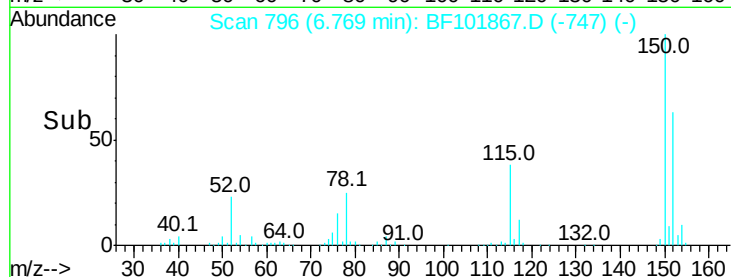
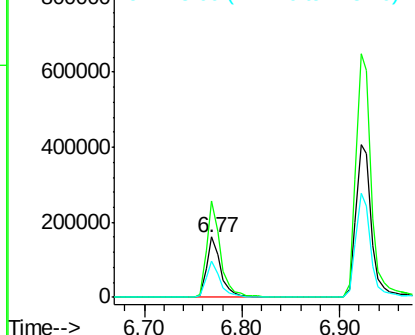
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160764
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 60.6 50.1 75.1



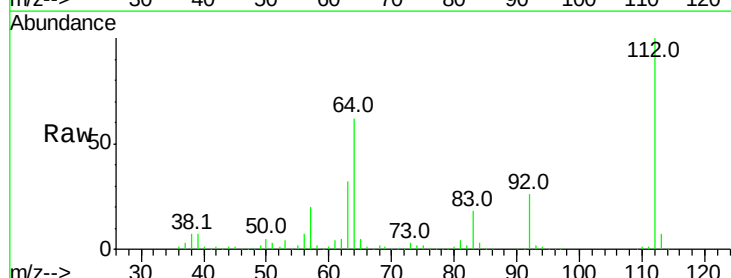
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



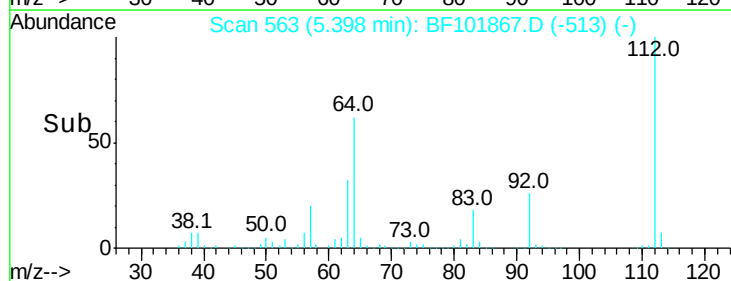
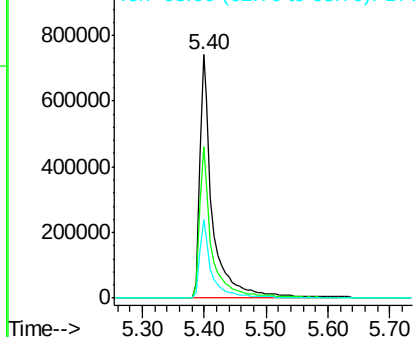
#5

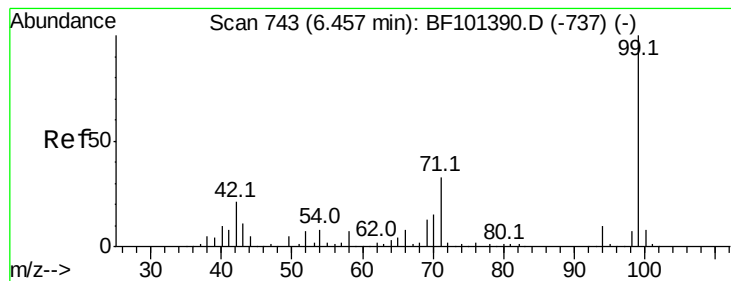
2-Fluorophenol
Concen: 101.347 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Tgt Ion:112 Resp: 1093792
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 32.1 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: 96.085 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Instrument :

BNA_F

ClientSampleId :

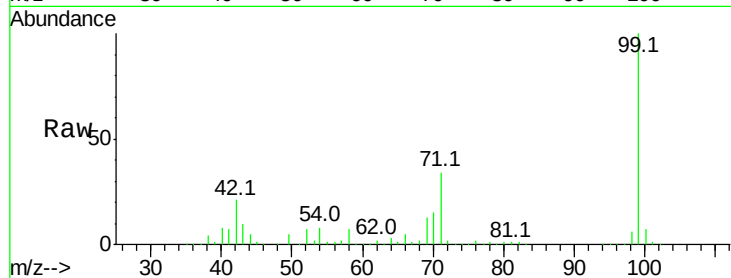
Tot Ion: 99 Resp: 1290592

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	34.3	25.4	38.0

99 100

42 21.0 14.5 21.7

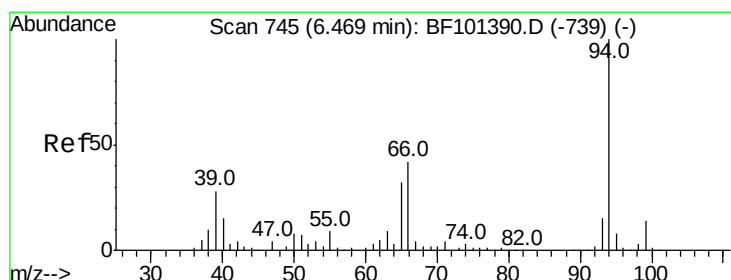
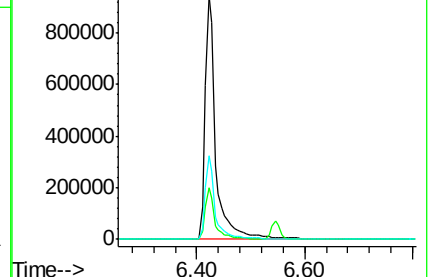
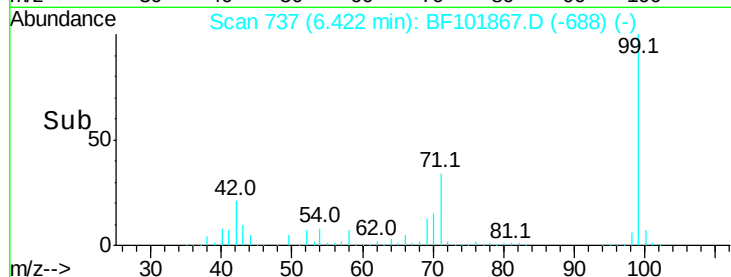
71 34.3 25.4 38.0



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



#10

Phenol

Concen: 3.601 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

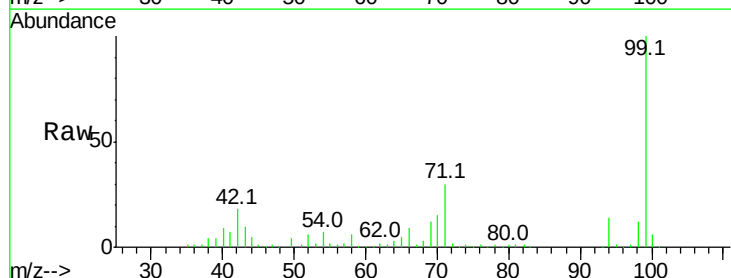
Tgt Ion: 94 Resp: 55121

Ion	Ratio	Lower	Upper
94	100		
65	34.6	7.9	47.9
66	65.2	16.2	56.2

94 100

65 34.6 7.9 47.9

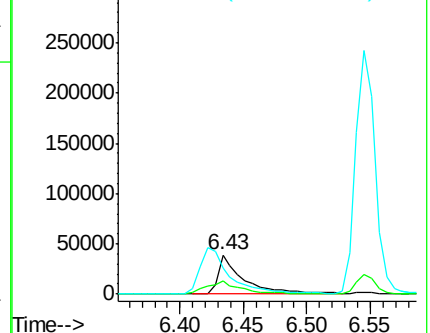
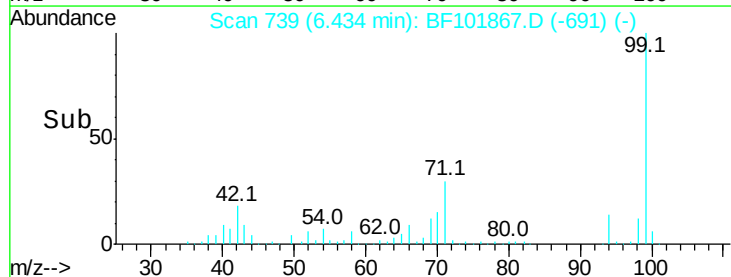
66 65.2 16.2 56.2

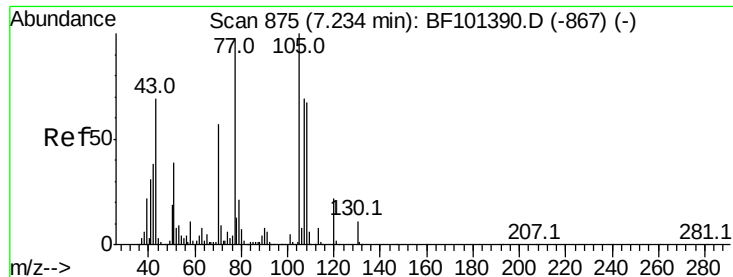


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.141 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

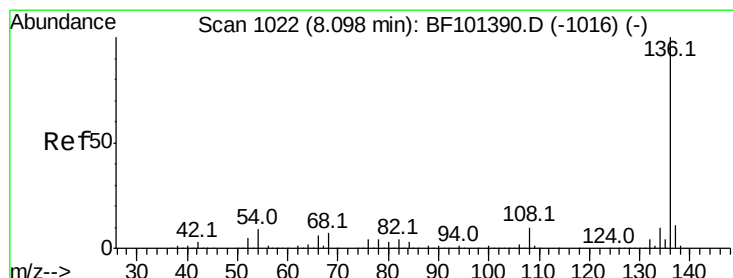
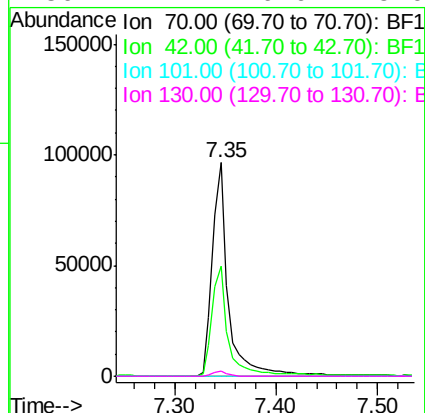
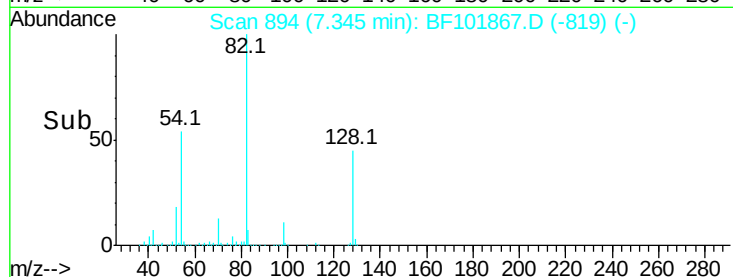
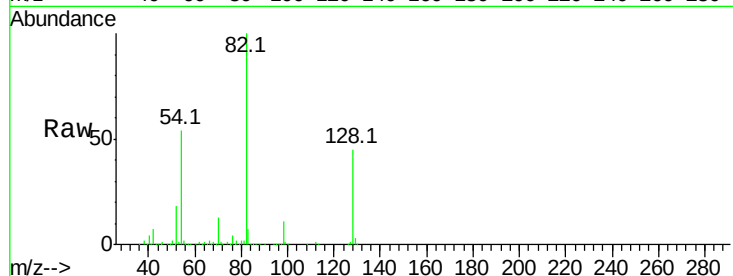
Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 107096

Ion	Ratio	Lower	Upper
70	100		
42	51.3	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: 8.05 min Scan# 1014

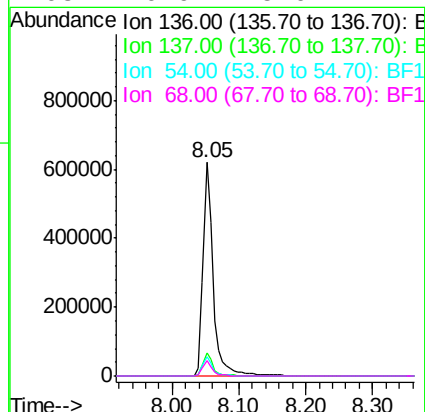
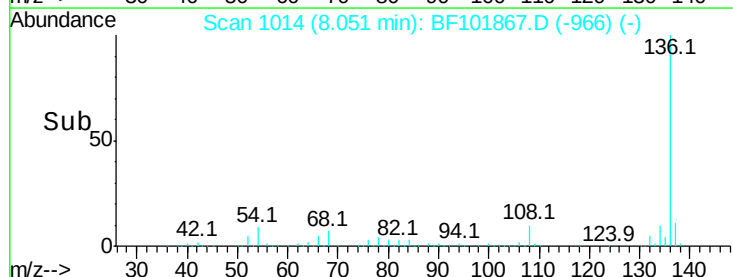
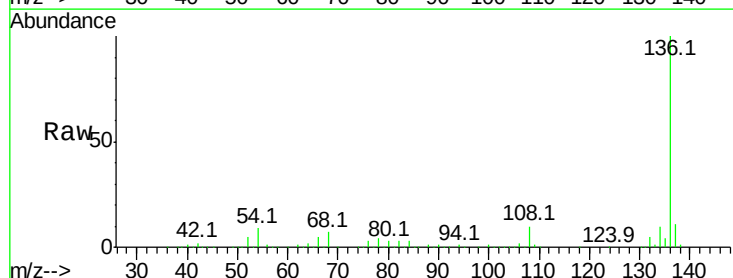
Delta R.T. -0.02 min

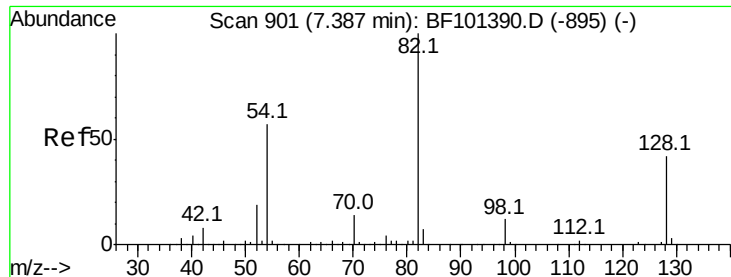
Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Tgt Ion: 136 Resp: 629893

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	6.6	9.8
68	6.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 71.793 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.02 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Instrument :

BNA_F

ClientSampled :

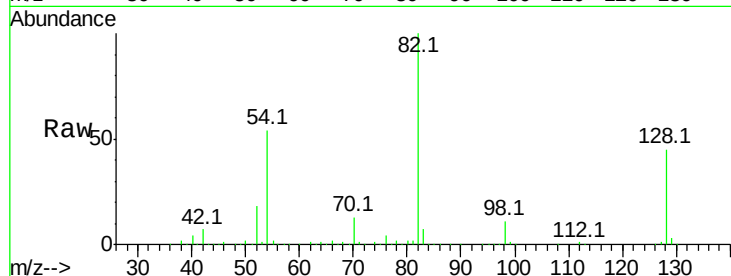
Tot Ion: 82 Resp: 812384

Ion Ratio Lower Upper

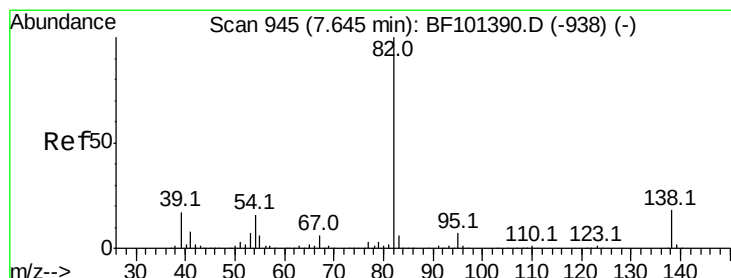
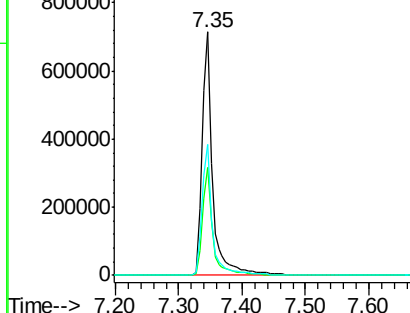
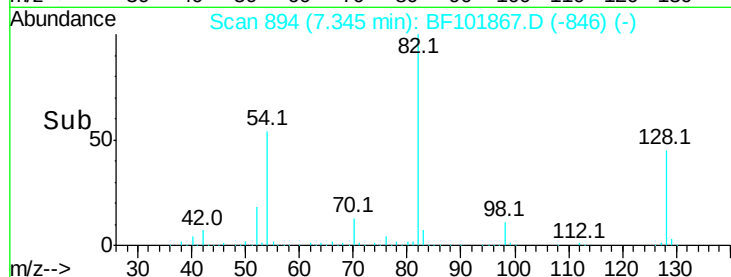
82 100

128 44.5 36.1 54.1

54 53.7 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: 35.788 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

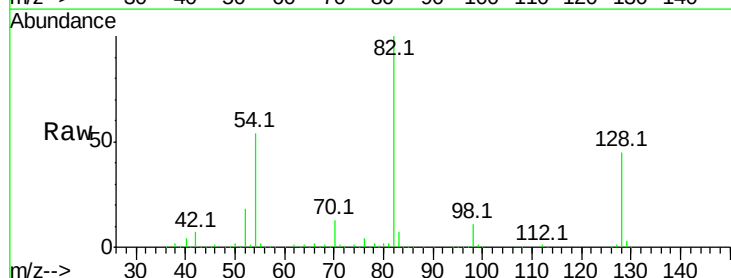
Tgt Ion: 82 Resp: 812384

Ion Ratio Lower Upper

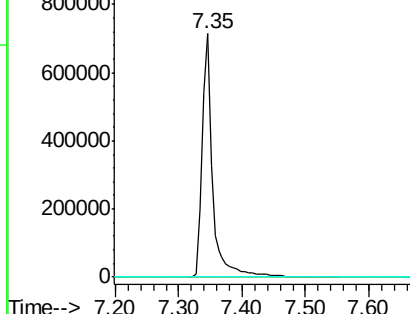
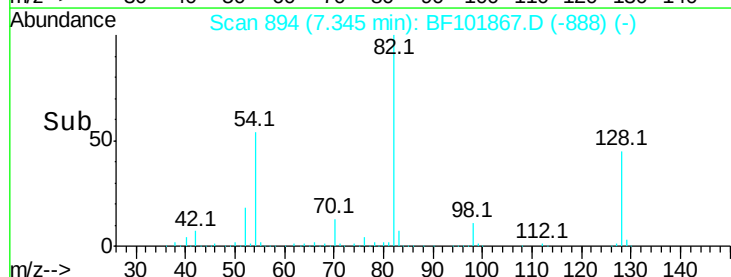
82 100

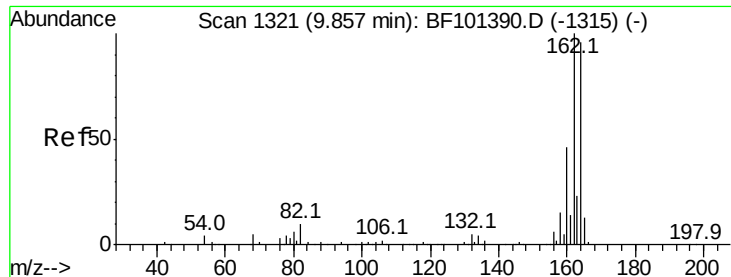
95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

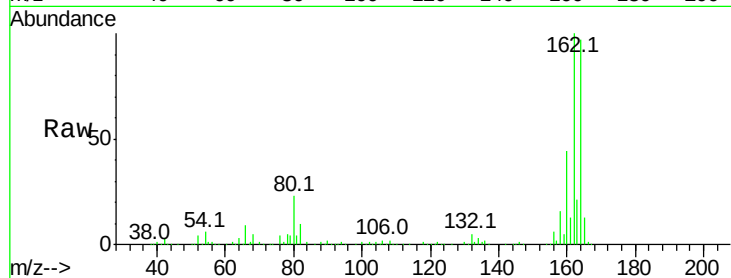




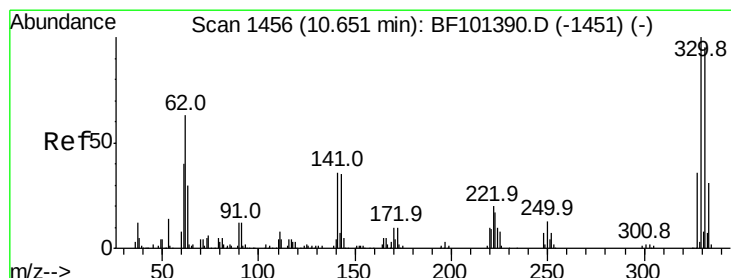
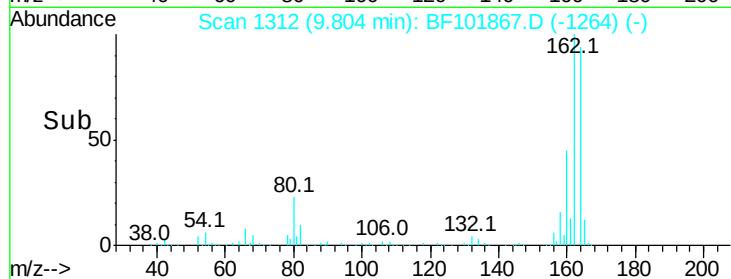
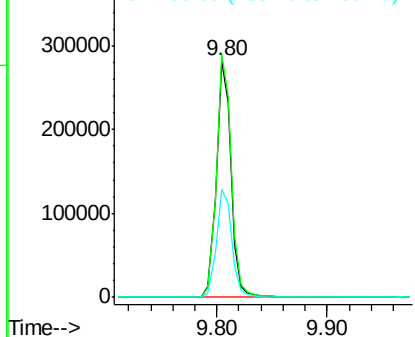
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF101867.D
 Acq: 3 Jan 2018 18:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	45.7	38.3	57.5

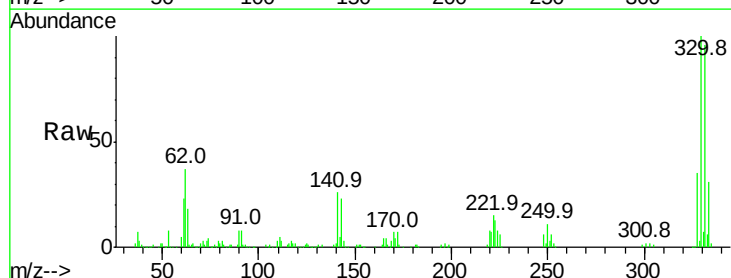


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

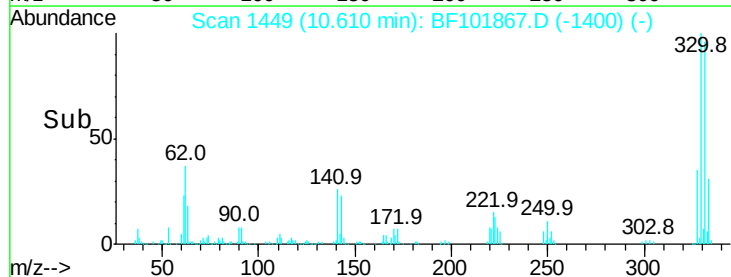
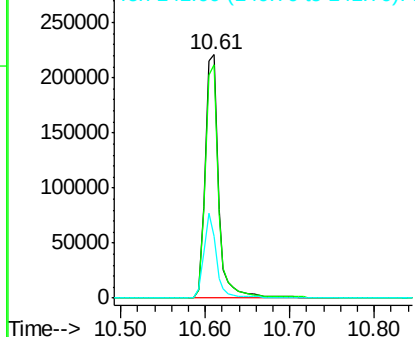


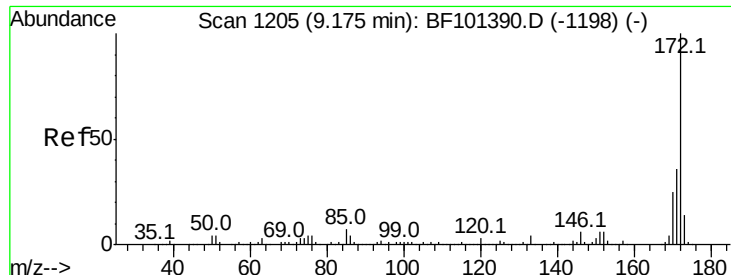
#41
 2,4,6-Tribromophenol
 Concen: 97.834 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF101867.D
 Acq: 3 Jan 2018 18:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	32.4	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: 69.920 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

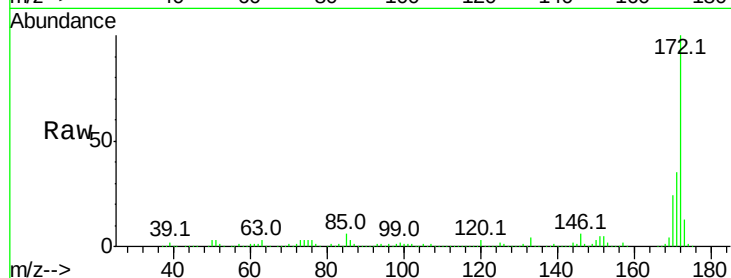
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1174185

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.0	19.6	29.4

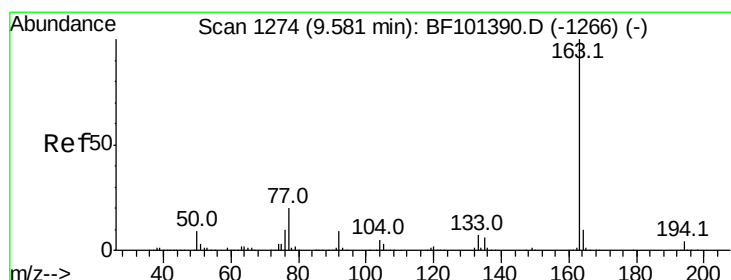
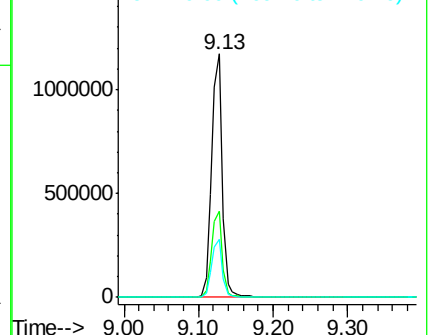
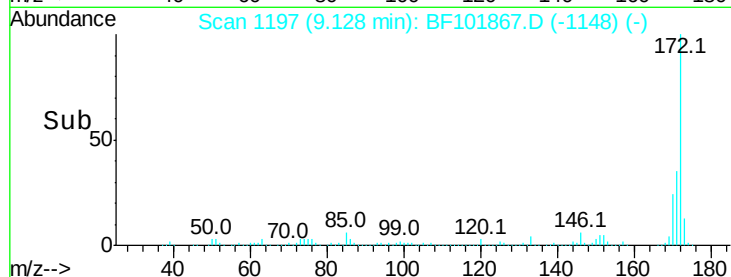


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 5.608 ng

RT: 9.52 min Scan# 1264

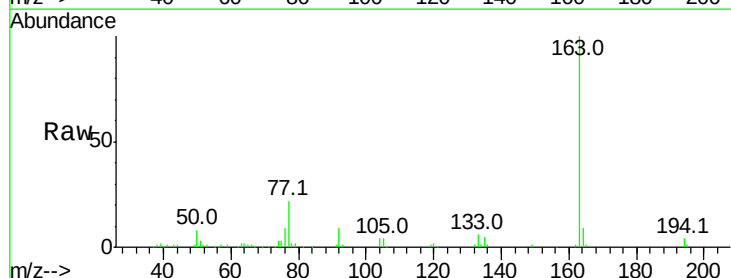
Delta R.T. -0.03 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Tgt Ion:163 Resp: 117516

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.4	8.2	12.2

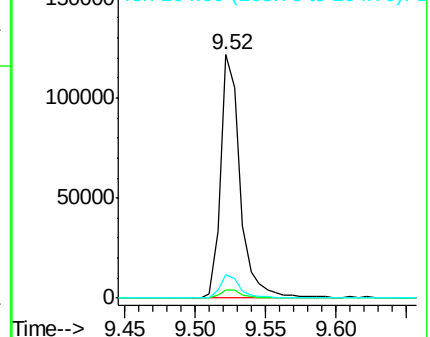
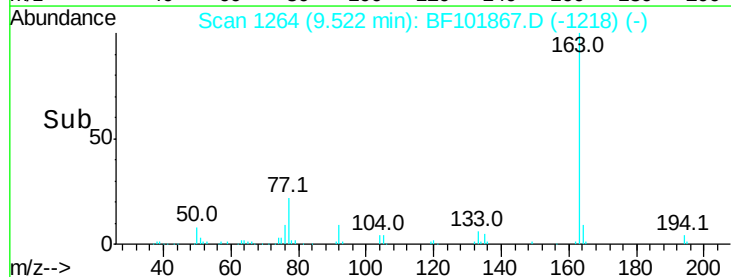


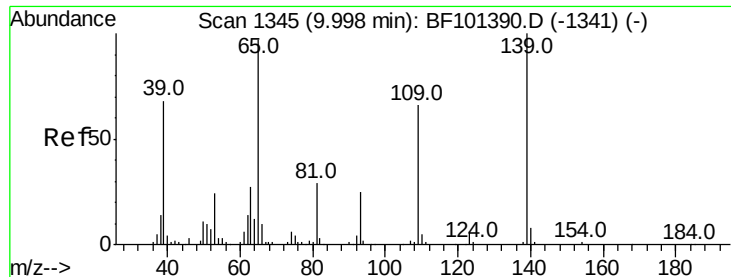
Abundance

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

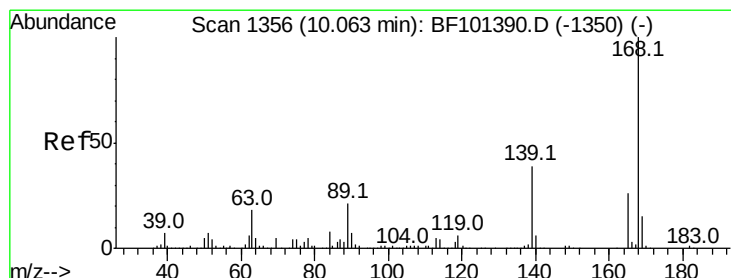
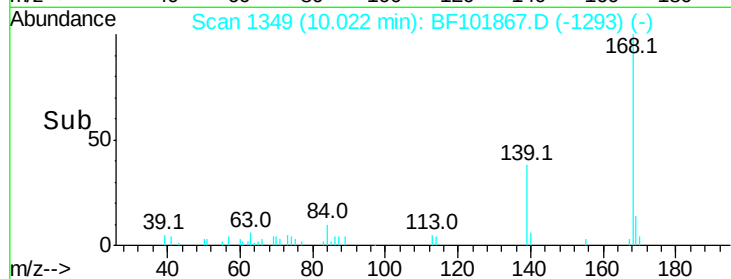
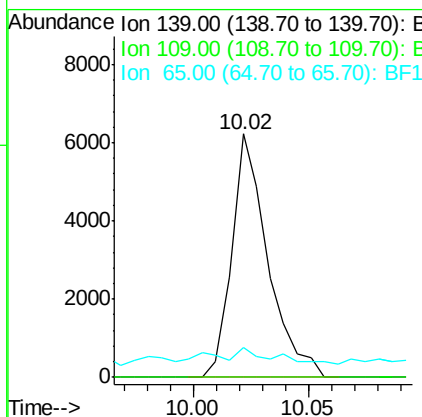
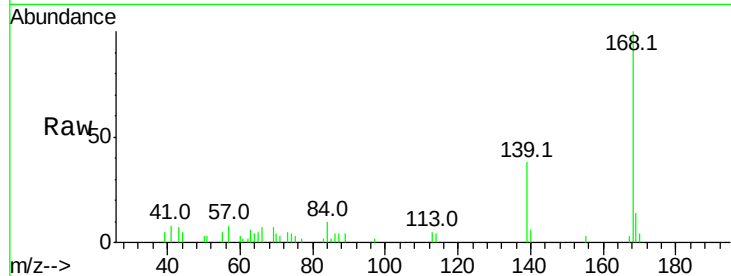




#55
4-Nitrophenol
Concen: 2.913 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.03 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

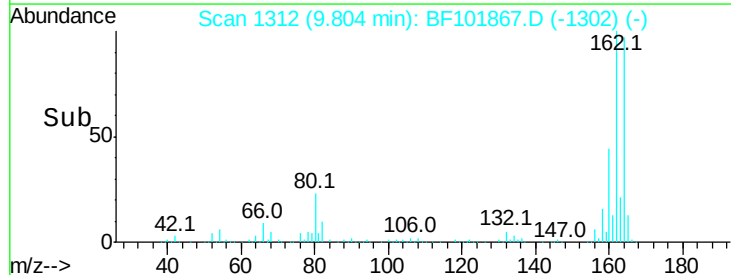
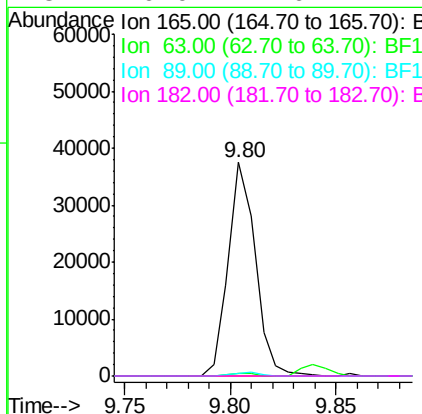
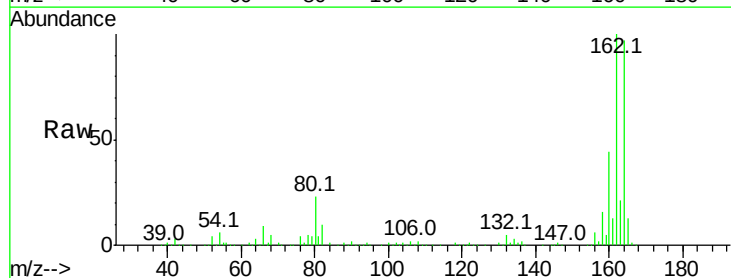
Instrument :
BNA_F
ClientSampleId :

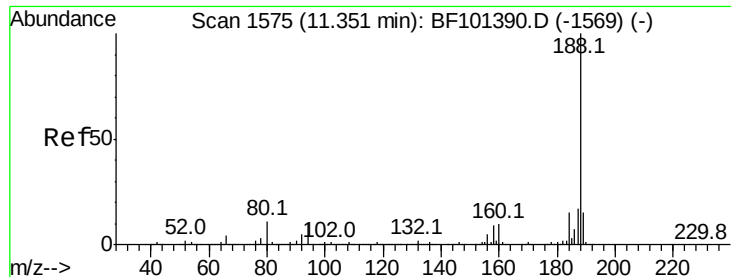
Tot Ion:139 Resp: 6744
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 12.2 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.968 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.24 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Tgt Ion:165 Resp: 33435
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.0 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.02 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Instrument :

BNA_F

ClientSampleId :

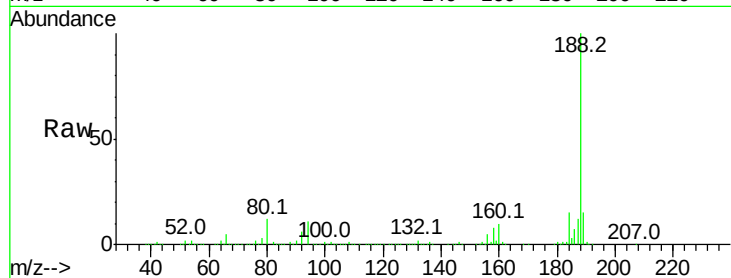
Tot Ion:188 Resp: 420968

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

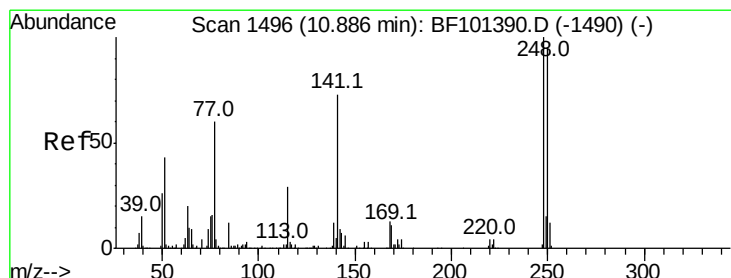
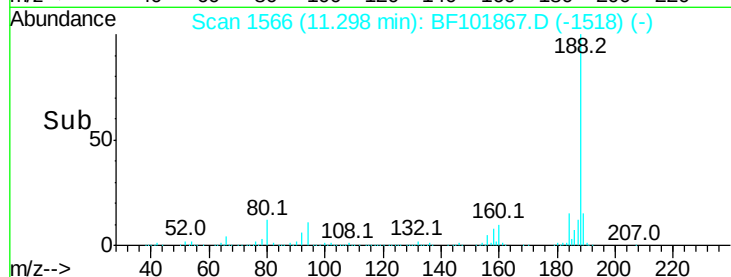
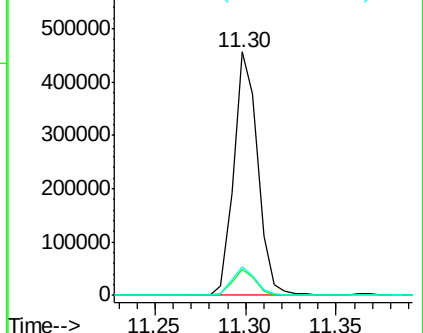
80 11.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 3.160 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

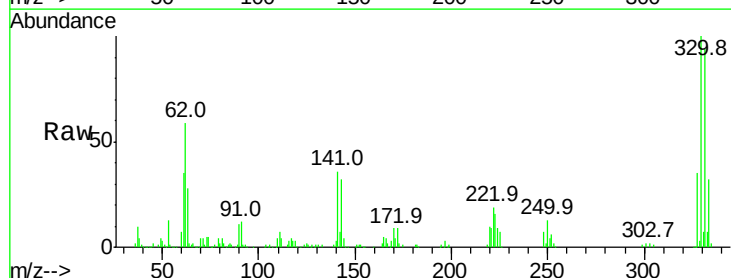
Tgt Ion:248 Resp: 14948

Ion Ratio Lower Upper

248 100

250 193.3 76.9 115.3#

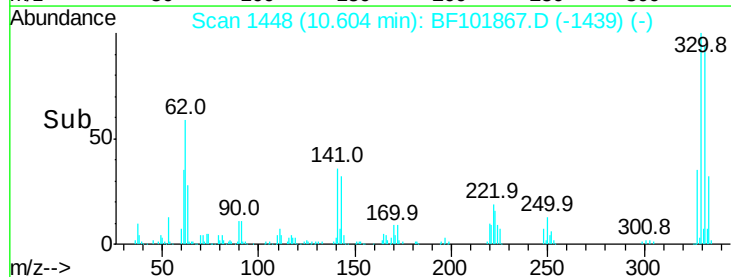
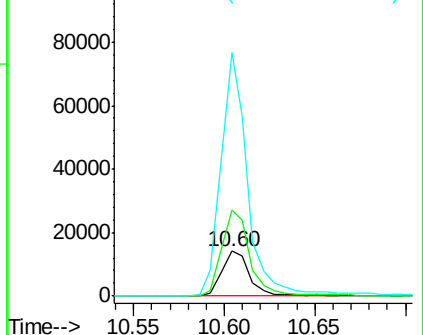
141 545.7 74.4 111.6#

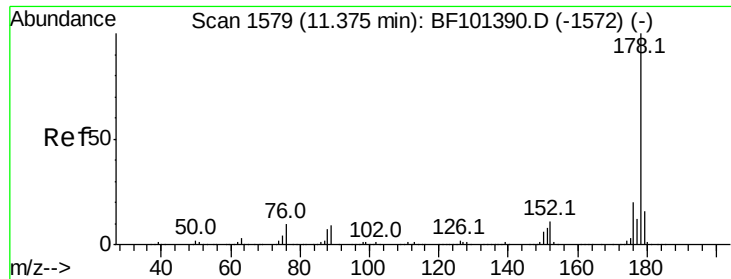


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

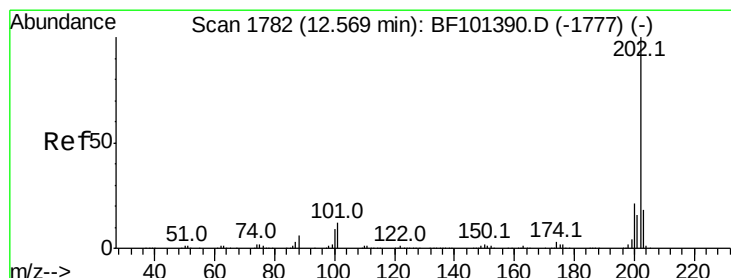
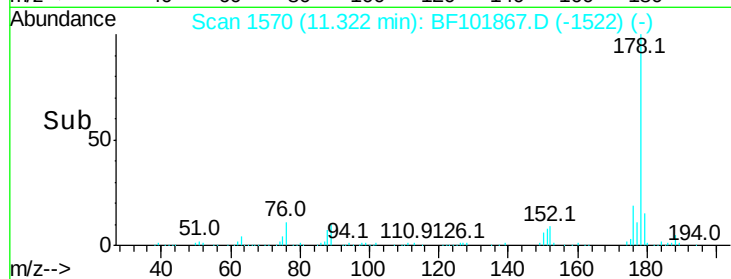
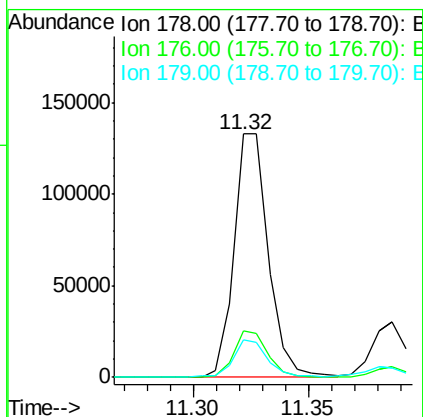
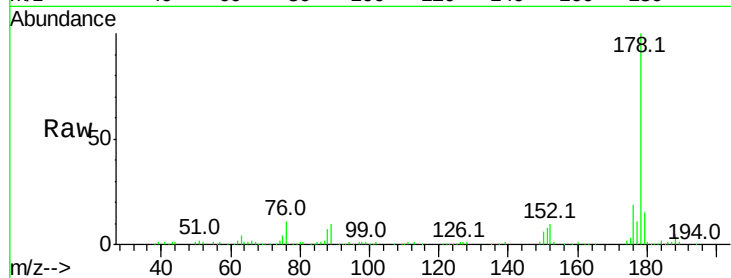




#70
Phenanthrene
Concen: 5.890 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

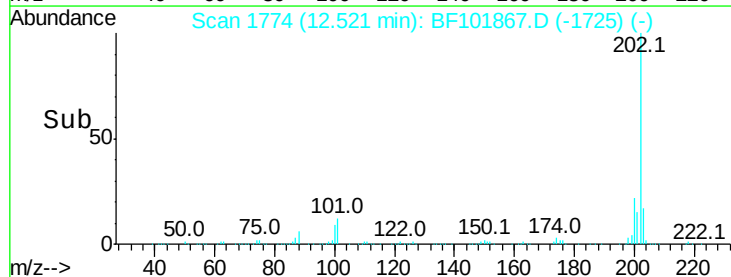
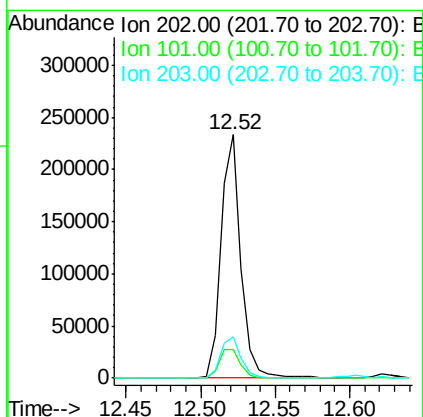
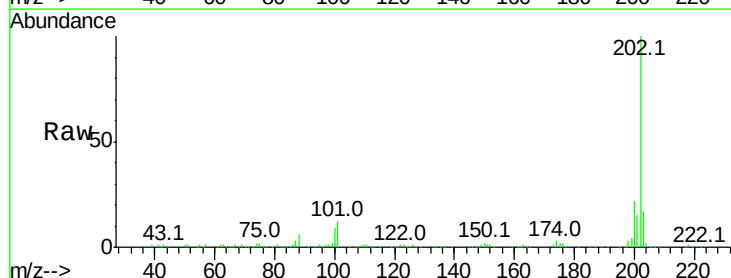
Instrument :
BNA_F
ClientSampleId :

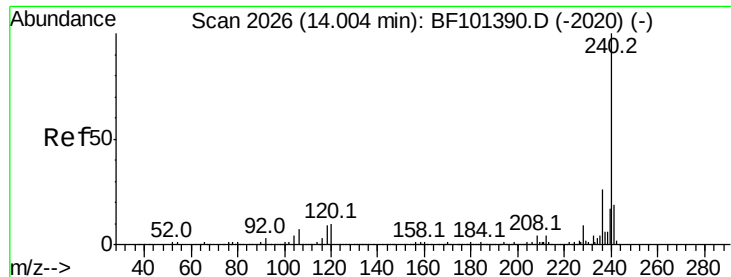
Tot Ion:178 Resp: 137891
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.3 13.0 19.6



#74
Fluoranthene
Concen: 8.893 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Tgt Ion:202 Resp: 218515
Ion Ratio Lower Upper
202 100
101 12.0 0.0 34.1
203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Instrument :

BNA_F

ClientSampleId :

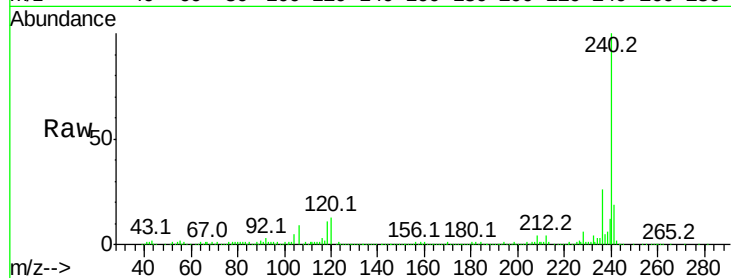
Tot Ion:240 Resp: 307435

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

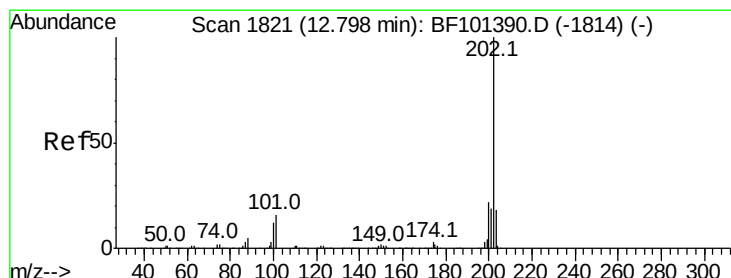
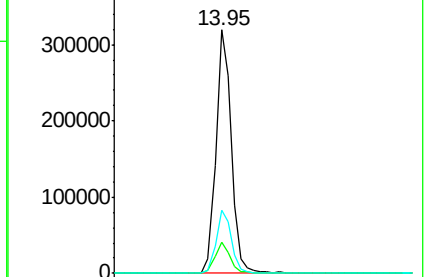
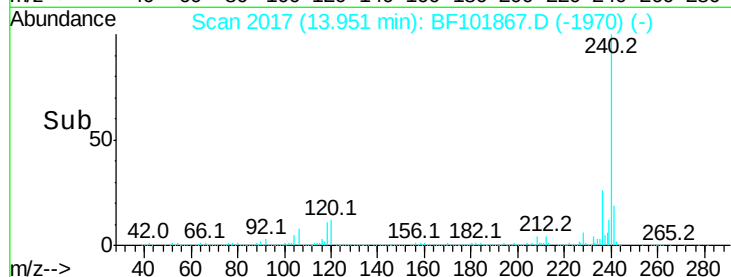
236 26.1 20.7 31.1



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: 7.024 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

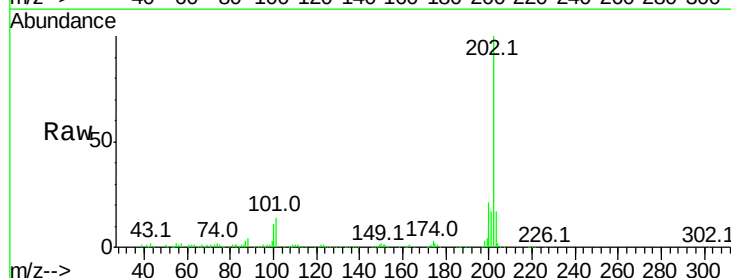
Tgt Ion:202 Resp: 162065

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

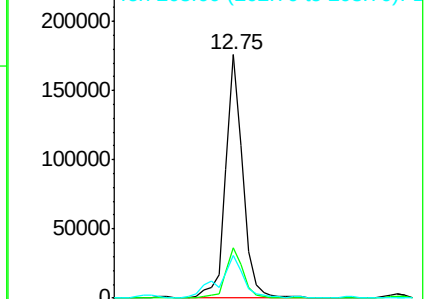
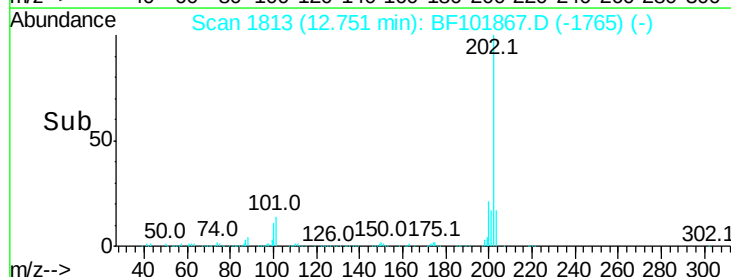
203 17.5 14.3 21.5

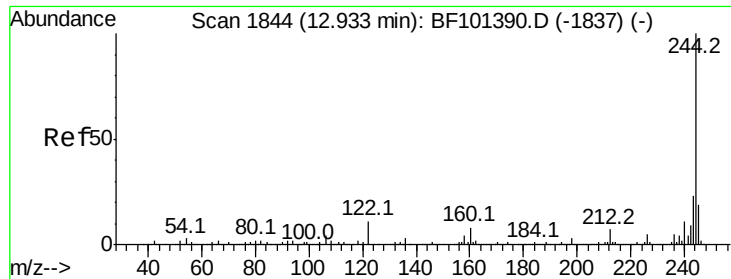


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.291 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Instrument :

BNA_F

ClientSampleId :

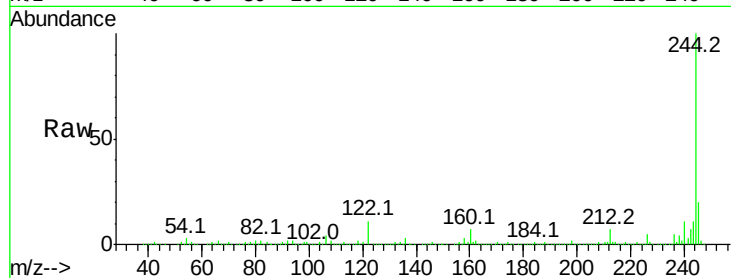
Tot Ion:244 Resp: 845386

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

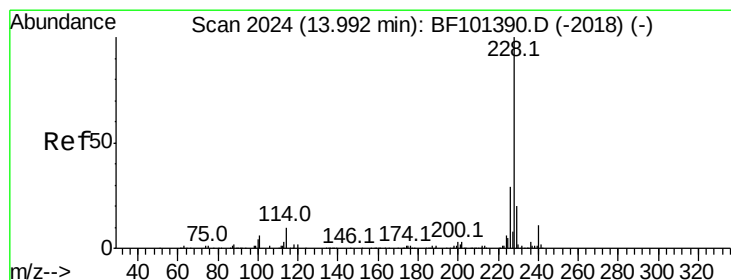
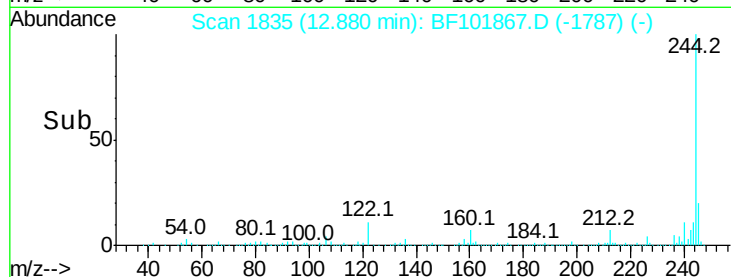
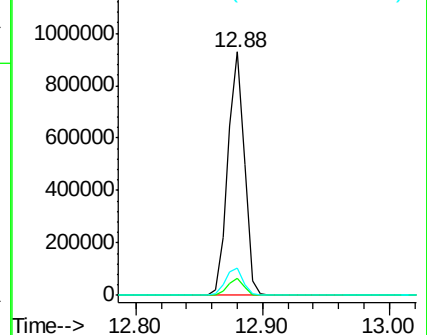
122 11.4 11.0 16.4



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: 2.577 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

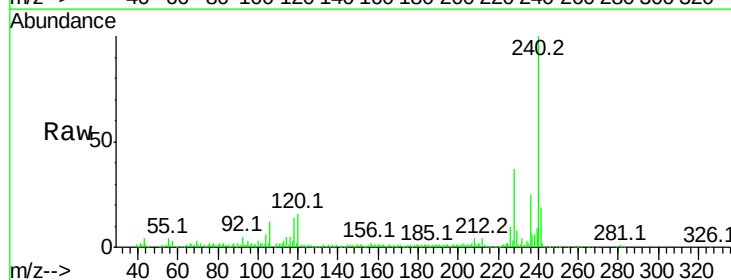
Tgt Ion:228 Resp: 52305

Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

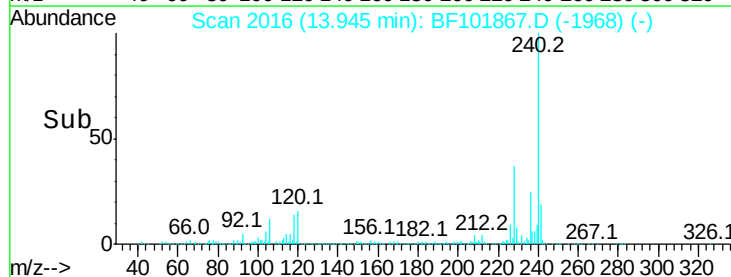
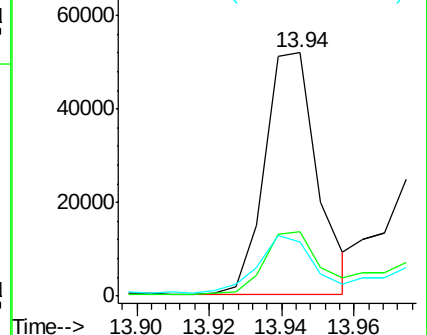
229 22.5 15.8 23.6

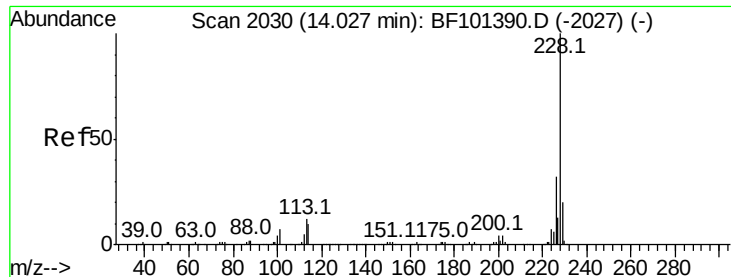


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

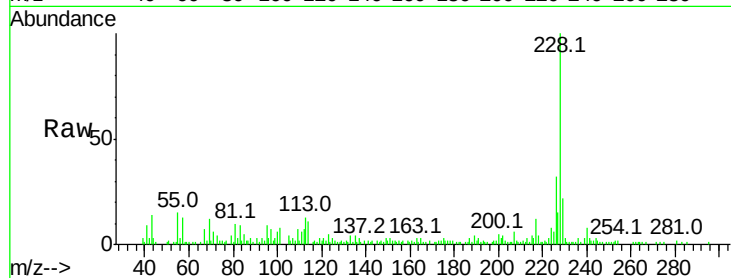




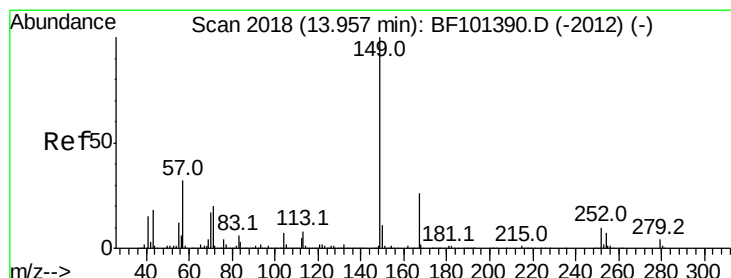
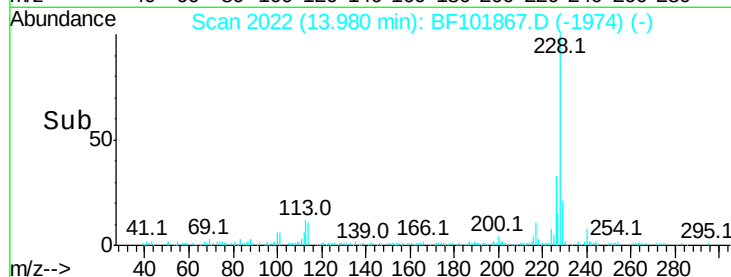
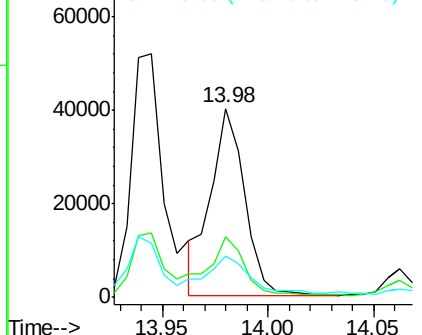
#82
Chrysene
Concen: 2.329 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 44641
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.6
229 22.1 16.2 24.4

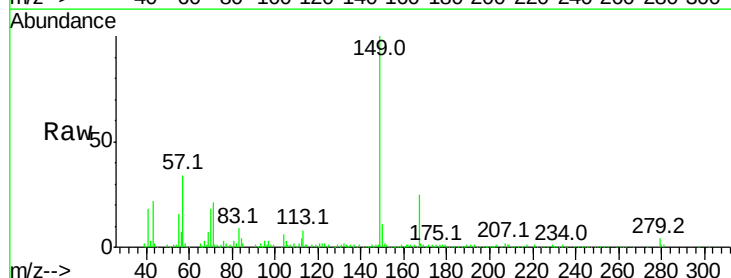


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

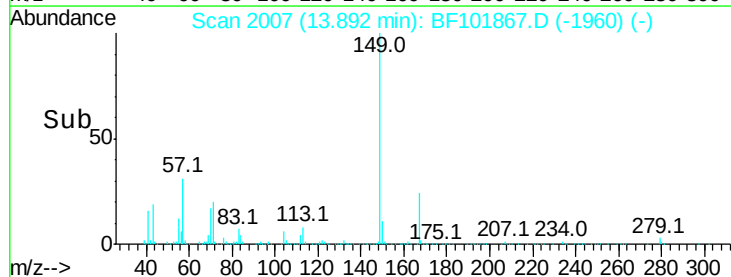
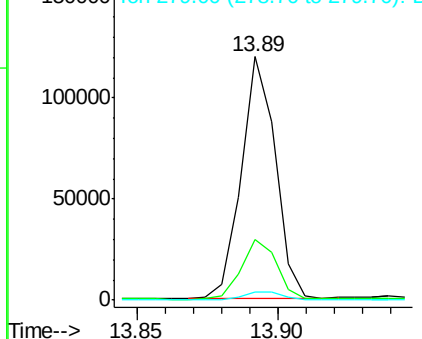


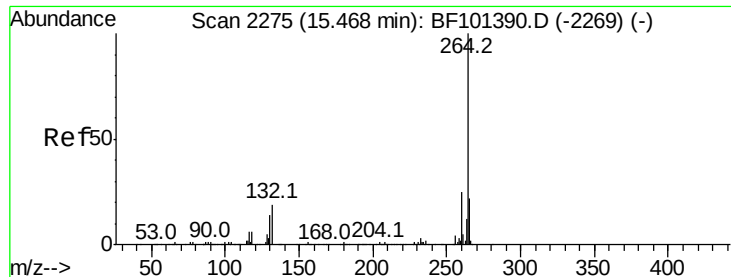
#83
Bis(2-ethylhexyl)phthalate
Concen: 7.552 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Tgt Ion:149 Resp: 99868
Ion Ratio Lower Upper
149 100
167 24.7 21.3 31.9
279 3.6 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

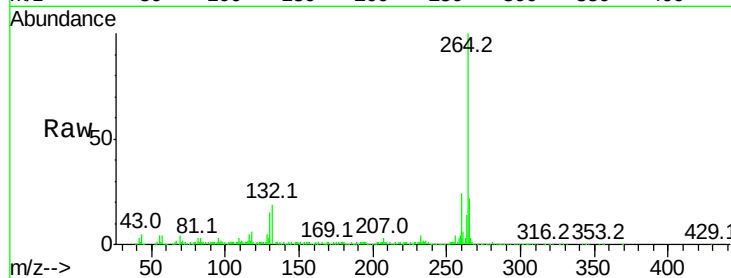




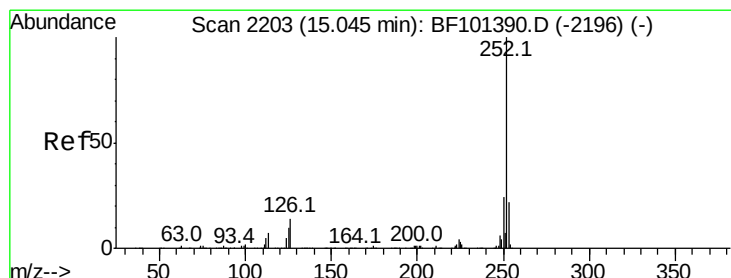
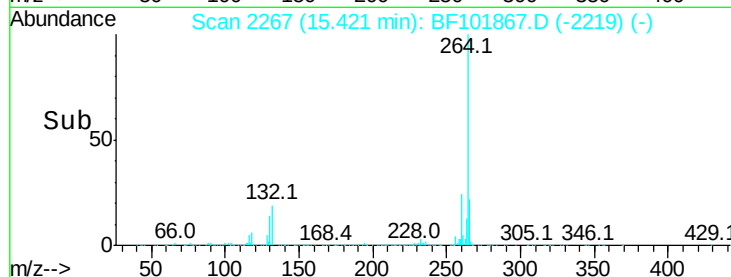
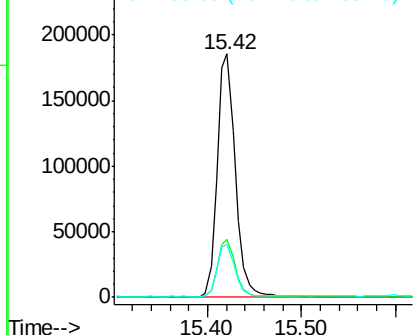
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 253261
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.0 17.5 26.3

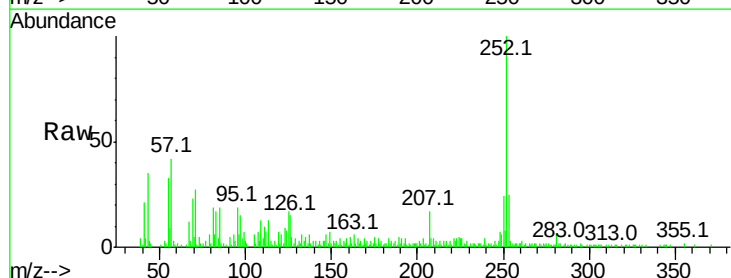


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

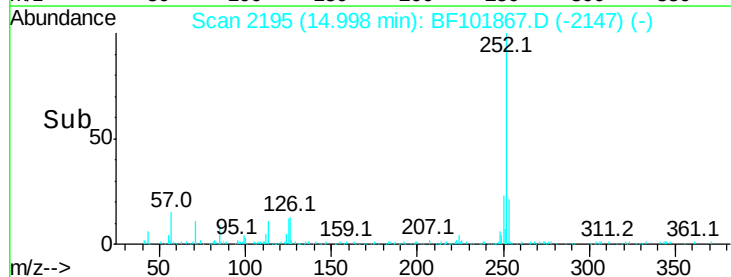
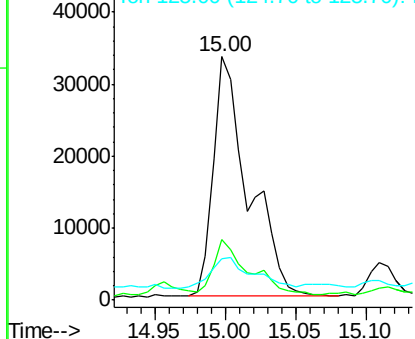


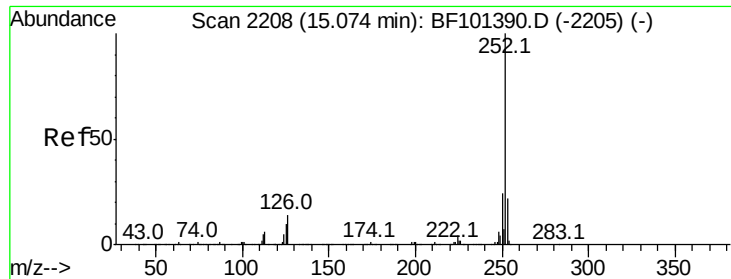
#87
Benzo(b)fluoranthene
Concen: 3.771 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101867.D
Acq: 3 Jan 2018 18:31

Tgt Ion:252 Resp: 58214
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 16.8 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: 3.870 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.04 min

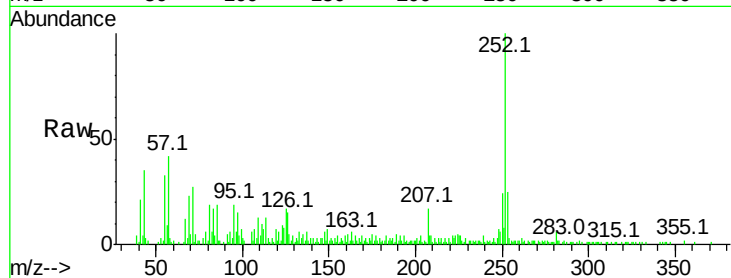
Lab File: BF101867.D

Acq: 3 Jan 2018 18:31

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	58080
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	16.8	10.2	15.2#

