

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101906.D
 Acq On : 4 Jan 2018 22:09
 Operator : SJ/JU
 Sample : J1033-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 23:57:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	159868	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	614569	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	228998	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	330766	20.00	ng	0.00
75) Chrysene-d12	13.96	240	280311	20.00	ng	0.00
86) Perylene-d12	15.43	264	200159	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1140701	106.29	ng	0.00
7) Phenol-d6	6.42	99	1359851	101.81	ng	0.00
23) Nitrobenzene-d5	7.35	82	854780	77.42	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	161187	73.05	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	936654	63.45	ng	0.00
78) Terphenyl-d14	12.88	244	700935	60.28	ng	0.00

Target Compounds

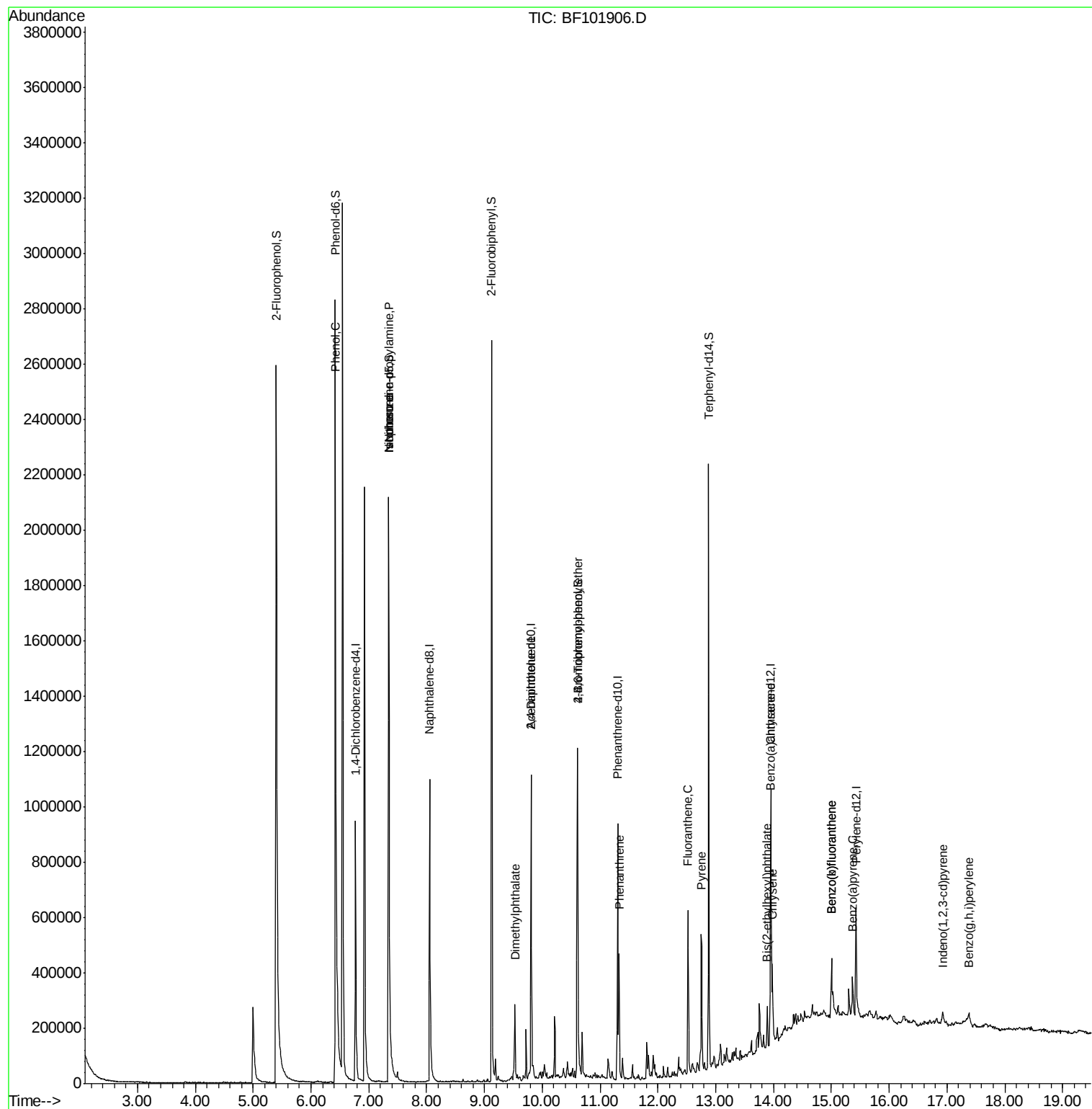
						Qvalue
10) Phenol	6.43	94	52339	3.438	ng	# 37
19) n-Nitroso-di-n-propylamine	7.35	70	113098	12.893	ng	# 82
25) Isophorone	7.35	82	855494	38.627	ng	# 64
49) Dimethylphthalate	9.53	163	121549	6.599	ng	98
56) 2,4-Dinitrotoluene	9.81	165	29212	6.926	ng	# 24
66) 4-Bromophenyl-phenylether	10.61	248	10785	2.902	ng	# 1
70) Phenanthrene	11.33	178	167826	9.124	ng	98
74) Fluoranthene	12.52	202	238037	12.329	ng	98
77) Pyrene	12.75	202	211024	10.031	ng	99
80) Benzo(a)anthracene	13.94	228	116455	6.292	ng	96
82) Chrysene	13.98	228	112754	6.452	ng	97
83) Bis(2-ethylhexyl)phthalate	13.89	149	36664	3.041	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.93	276	34535	2.219	ng	95
87) Benzo(b)fluoranthene	15.00	252	141534	11.601	ng	97
88) Benzo(k)fluoranthene	15.00	252	141534	11.932	ng	99
89) Benzo(a)pyrene	15.37	252	67332	5.987	ng	97
91) Benzo(a,h,i)perylene	17.38	276	34008	3.557	ng	# 91

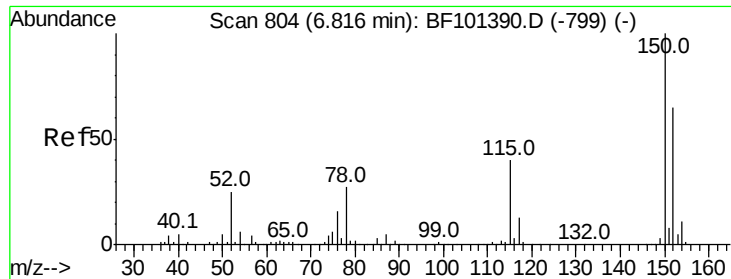
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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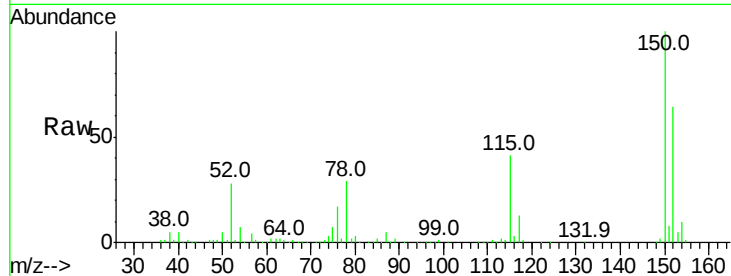


#1

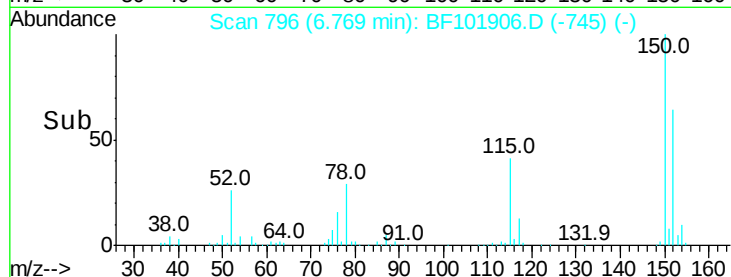
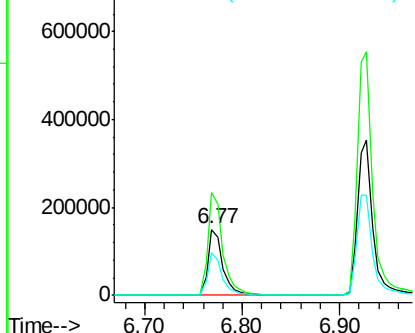
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 159868
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 64.3 50.1 75.1



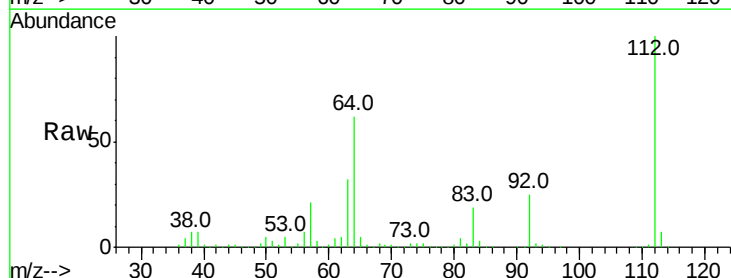
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



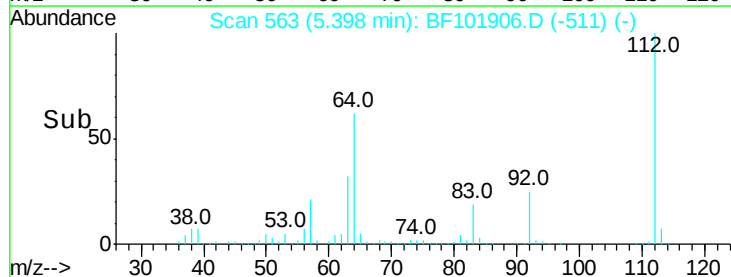
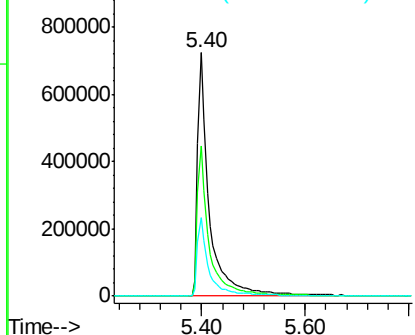
#5

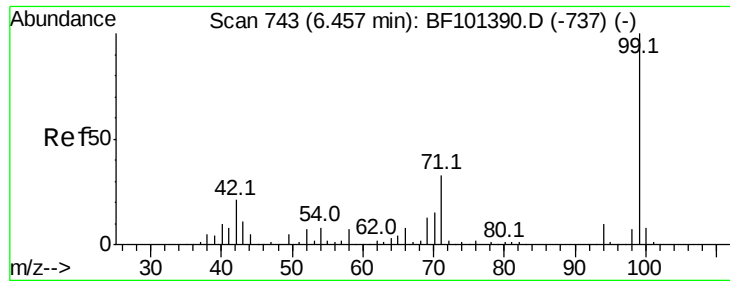
2-Fluorophenol
Concen: 106.285 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Tgt Ion:112 Resp: 1140701
Ion Ratio Lower Upper
112 100
64 61.7 47.9 71.9
63 32.2 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: 101.809 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF101906.D

Acq: 4 Jan 2018 22:09

Instrument :

BNA_F

ClientSampleId :

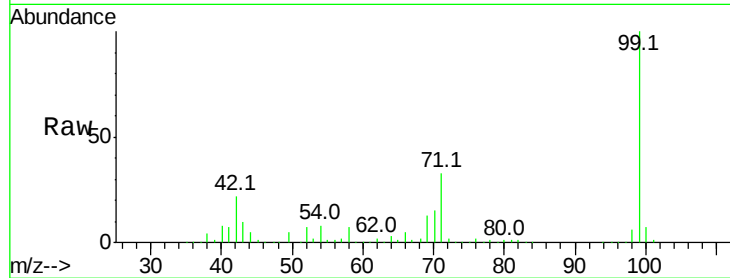
Tot Ion: 99 Resp: 1359851

Ion Ratio Lower Upper

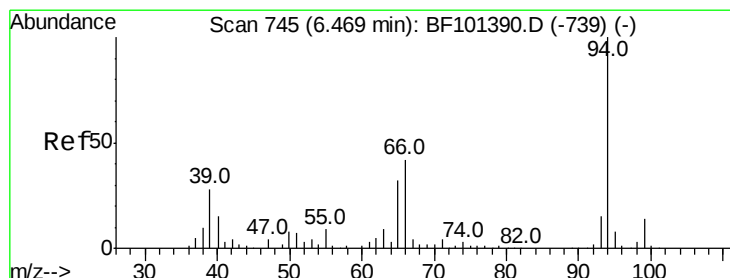
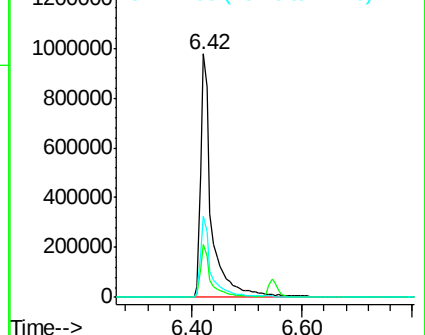
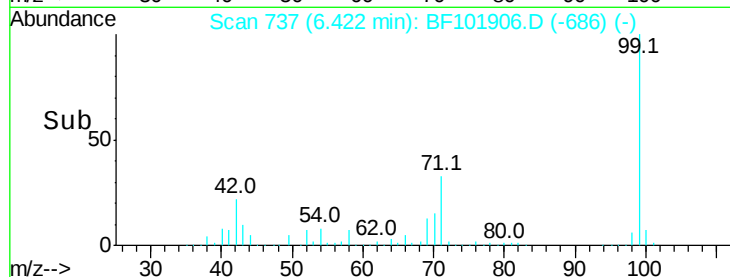
99 100

42 21.6 14.5 21.7

71 33.2 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: 3.438 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101906.D

Acq: 4 Jan 2018 22:09

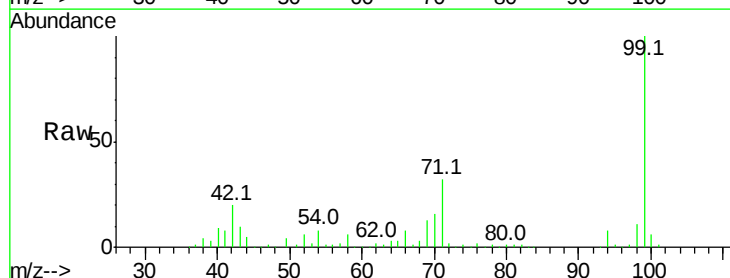
Tgt Ion: 94 Resp: 52339

Ion Ratio Lower Upper

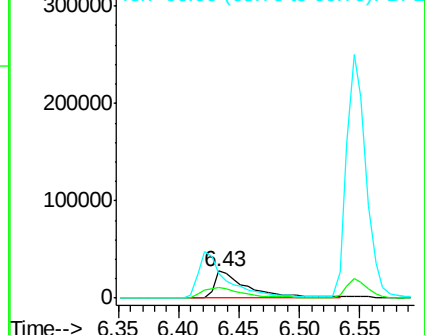
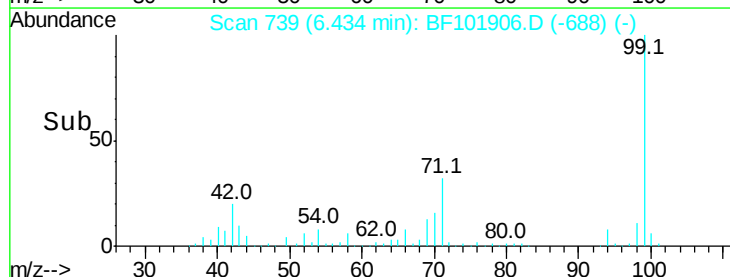
94 100

65 38.8 7.9 47.9

66 92.5 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

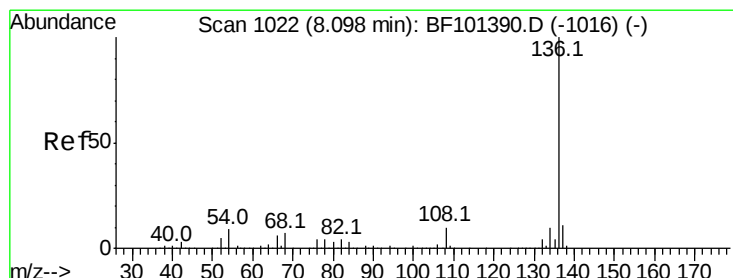
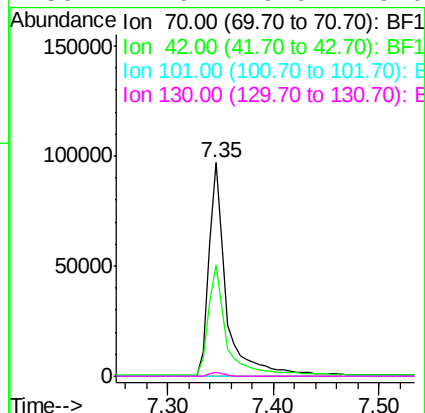
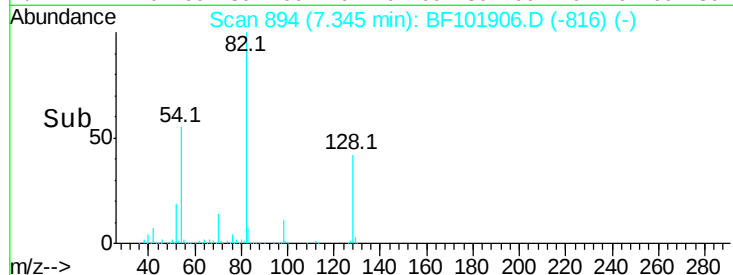
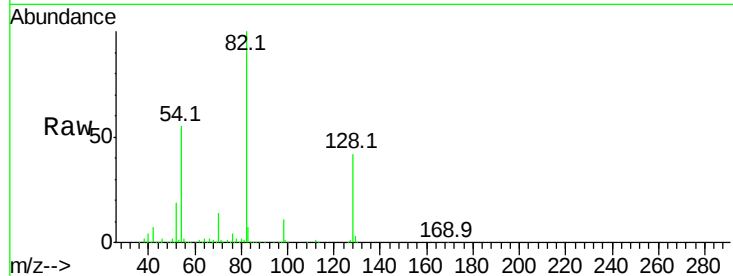




#19
n-Nitroso-di-n-propylamine
Concen: 12.893 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.16 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

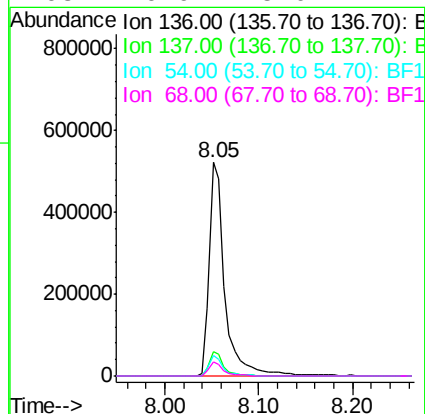
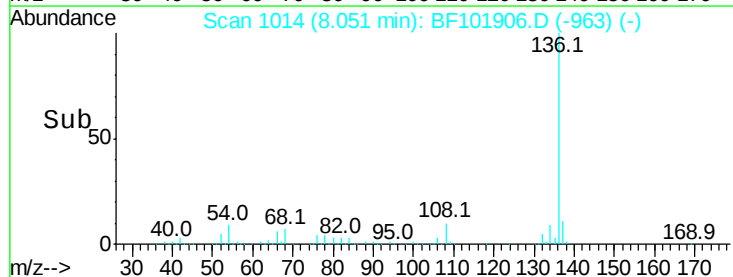
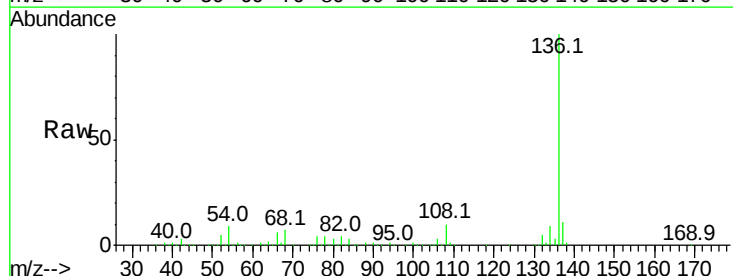
Instrument :
BNA_F
ClientSampleId :

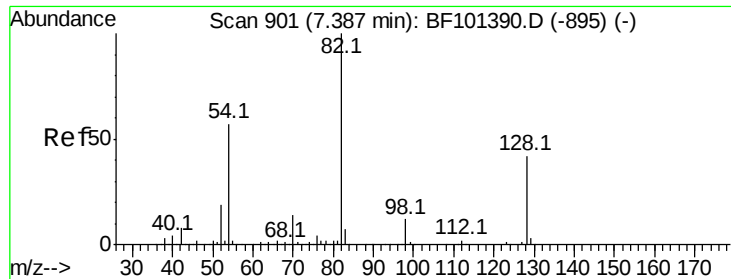
Tot Ion: 70 Resp: 113098
Ion Ratio Lower Upper
70 100
42 52.3 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Tgt Ion: 136 Resp: 614569
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 9.5 6.6 9.8
68 6.9 5.0 7.4

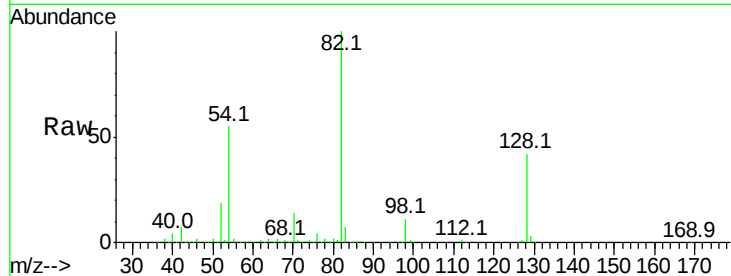




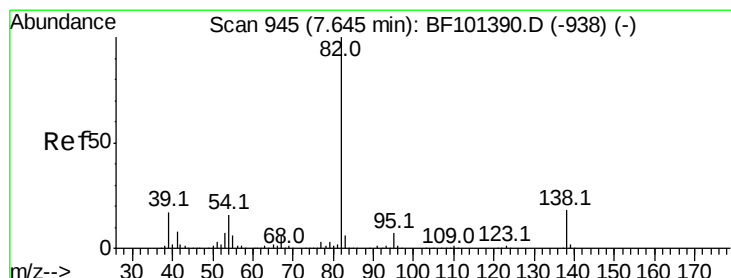
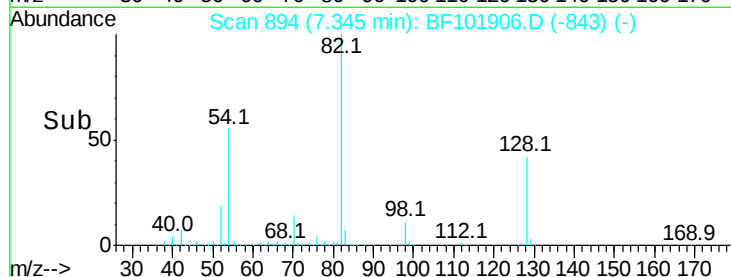
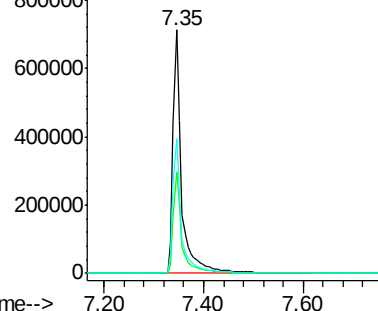
#23
Nitrobenzene-d5
Concen: 77.423 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.00 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 854780
Ion Ratio Lower Upper
82 100
128 41.7 36.1 54.1
54 55.2 41.4 62.2

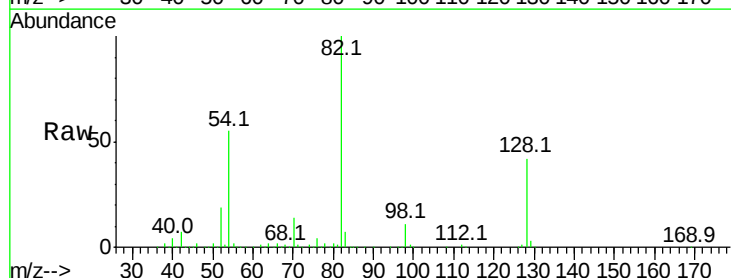


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

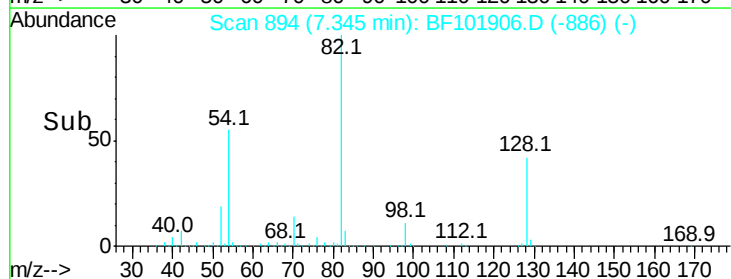
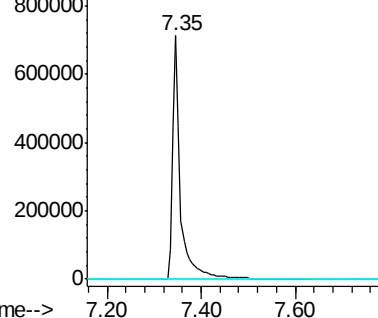


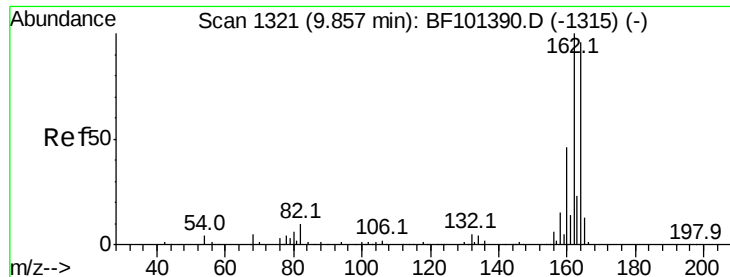
#25
Isophorone
Concen: 38.627 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.25 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Tgt Ion: 82 Resp: 855494
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

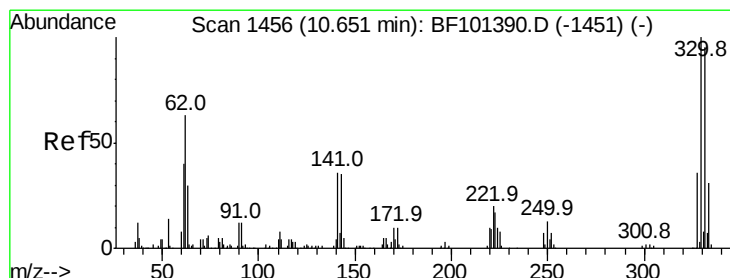
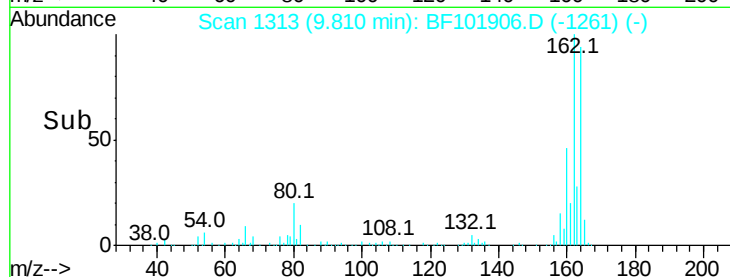
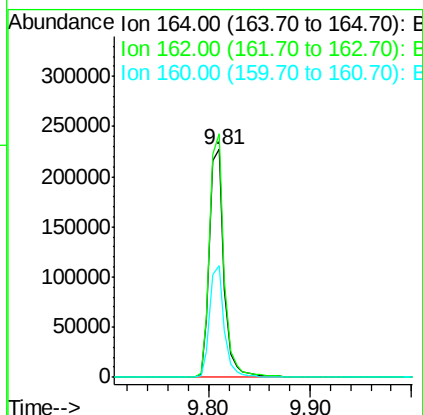
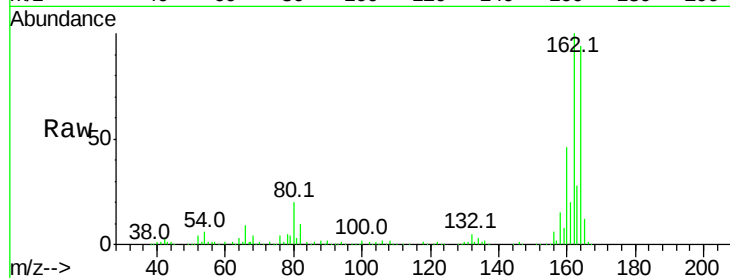




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.01 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

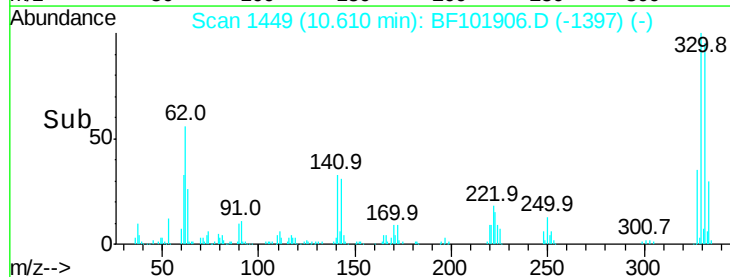
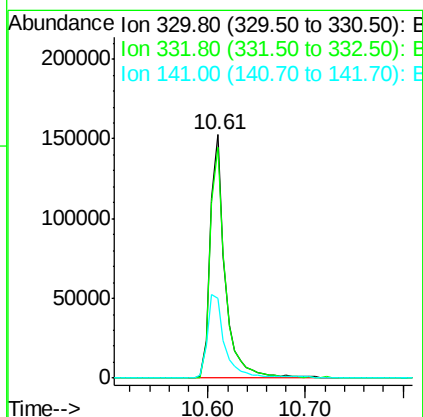
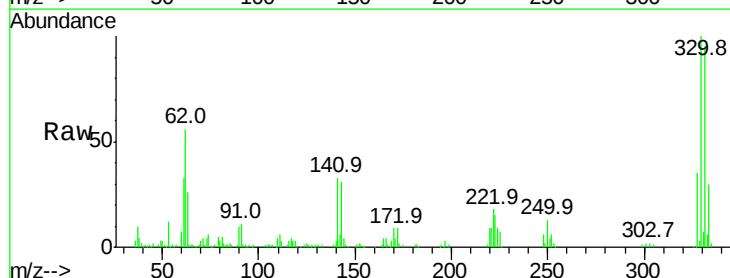
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 228998
 Ion Ratio Lower Upper
 164 100
 162 106.7 86.1 129.1
 160 49.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 73.049 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

Tgt Ion:330 Resp: 161187
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 39.6 29.9 44.9



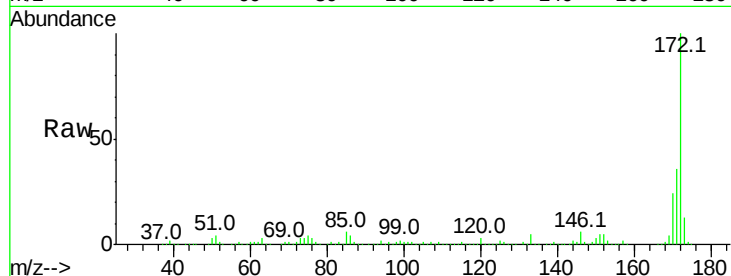


#44
 2-Fluorobiphenyl
 Concen: 63.449 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

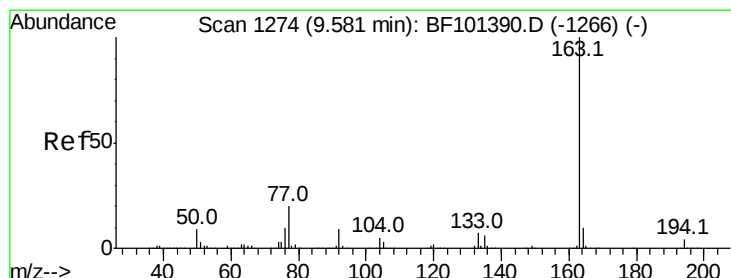
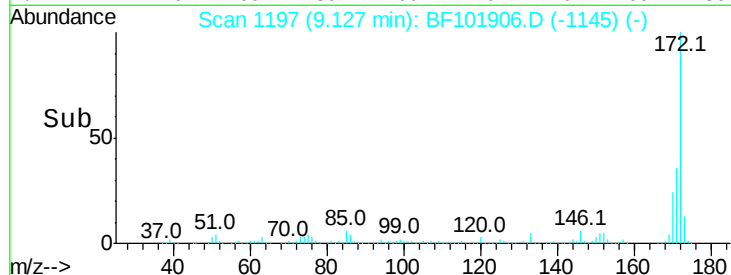
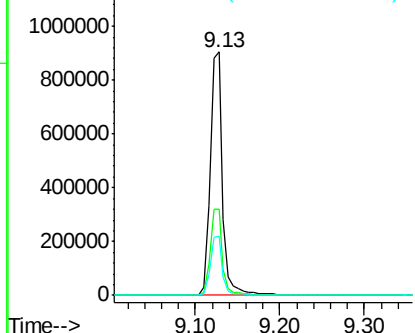
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 936654

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.4	19.6	29.4



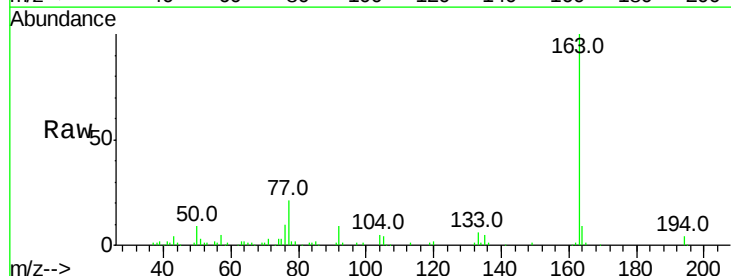
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



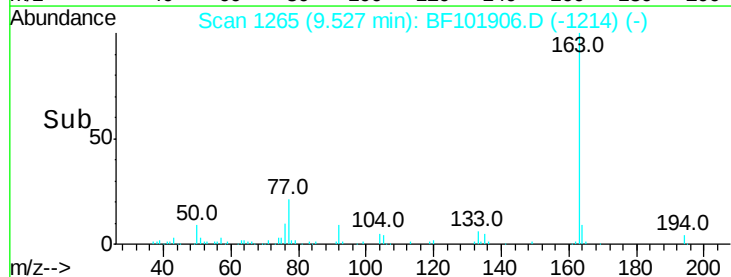
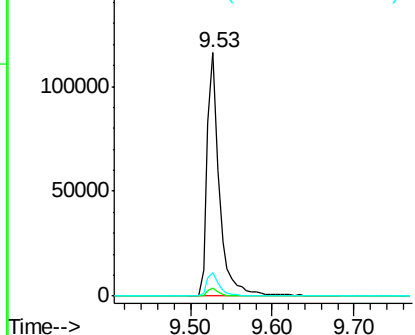
#49
 Dimethylphthalate
 Concen: 6.599 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

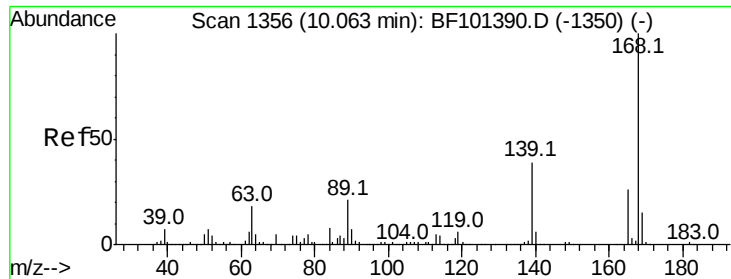
Tgt Ion:163 Resp: 121549

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.5	8.2	12.2



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

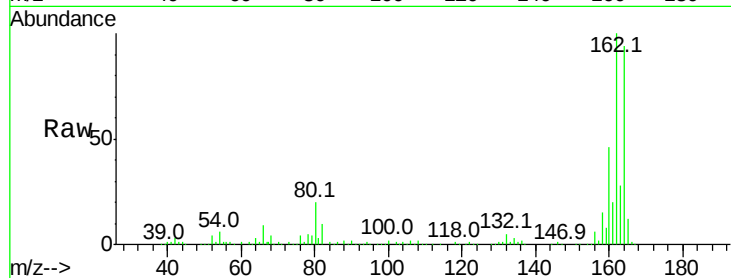




#56
2,4-Dinitrotoluene
Concen: 6.926 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.22 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

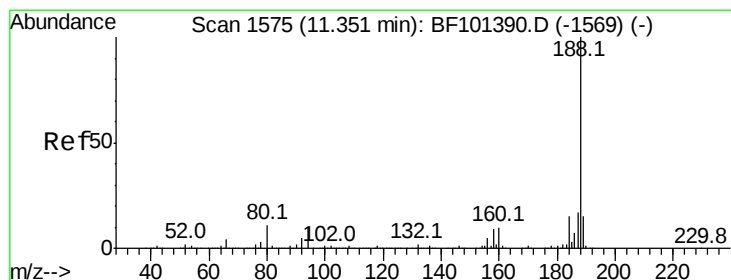
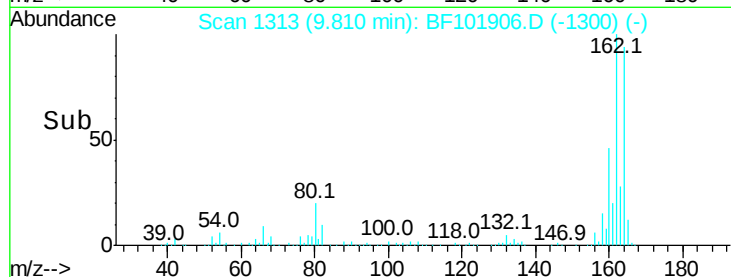
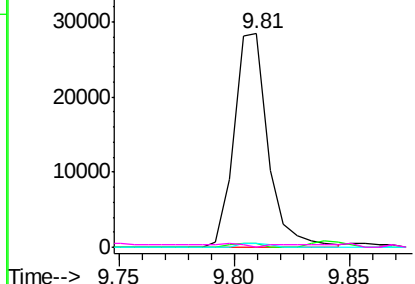


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

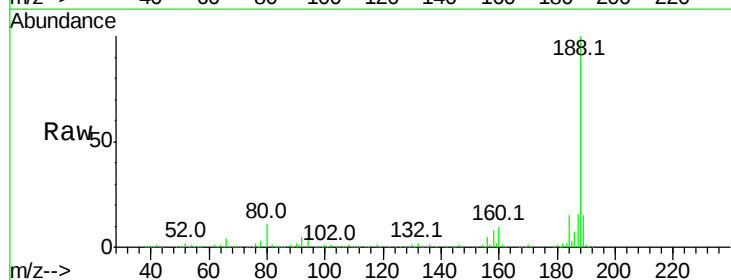
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

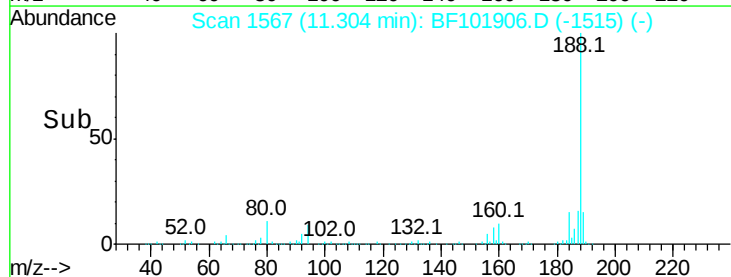
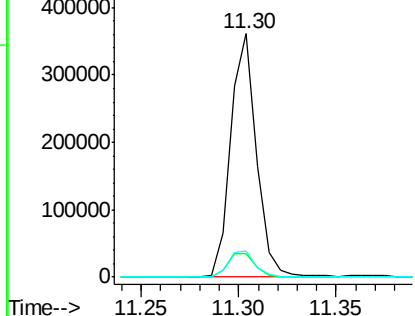
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.8	9.2	13.8

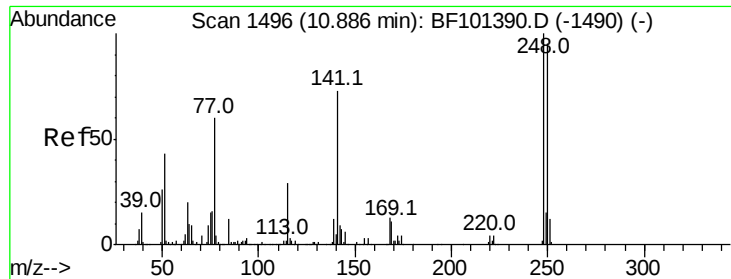


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

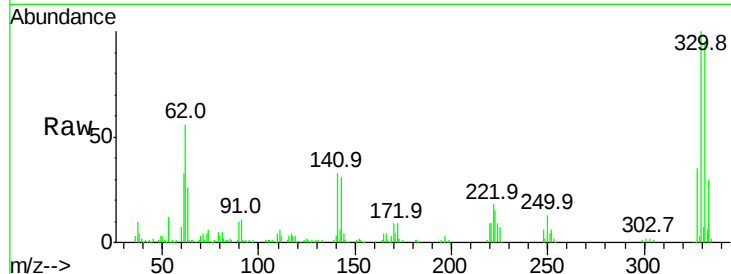




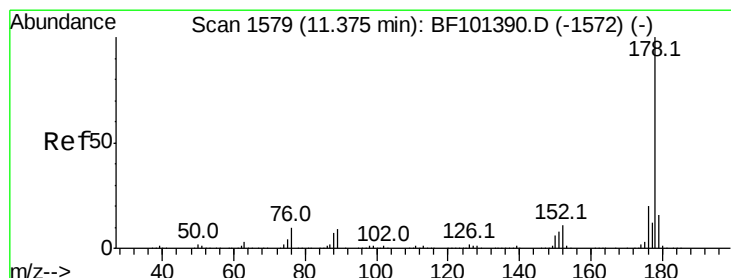
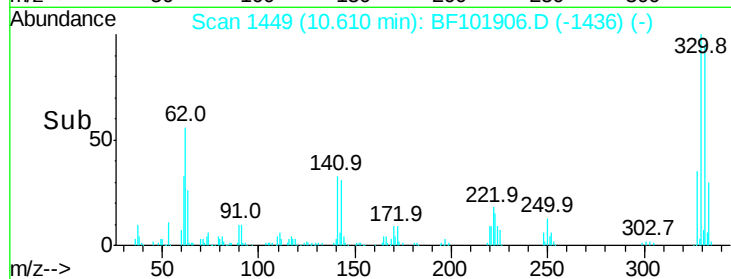
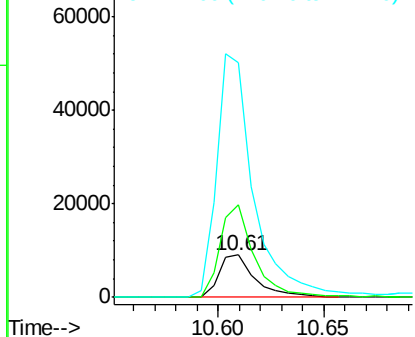
#66
 4-Bromophenyl-phenylether
 Concen: 2.902 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.22 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10785
 Ion Ratio Lower Upper
 248 100
 250 219.5 76.9 115.3#
 141 557.5 74.4 111.6#

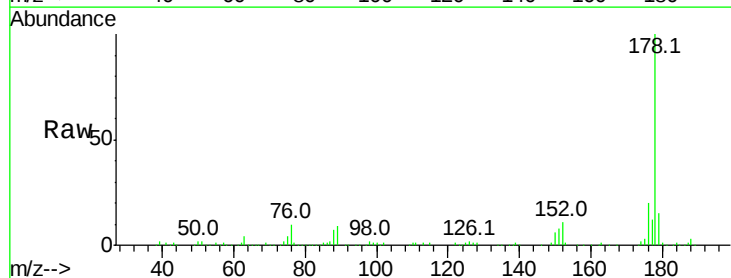


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

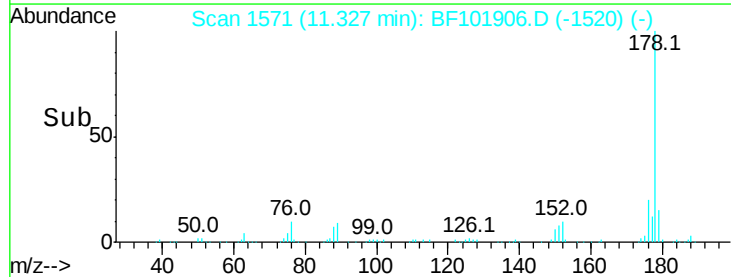
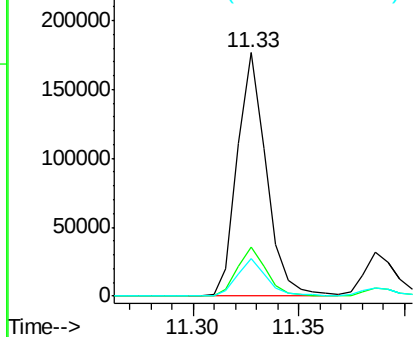


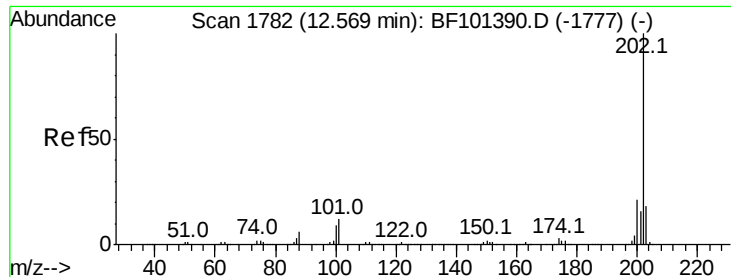
#70
 Phenanthrene
 Concen: 9.124 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

Tgt Ion:178 Resp: 167826
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.8
 179 15.4 13.0 19.6



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





#74

Fluoranthene

Concen: 12.329 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF101906.D

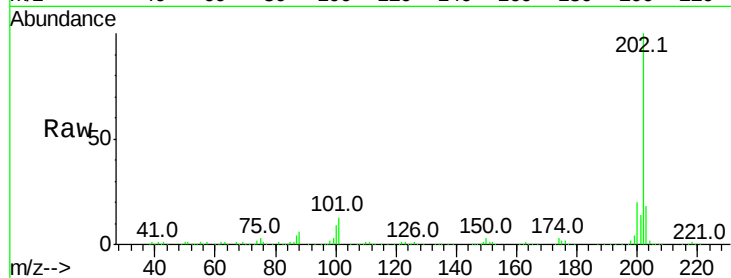
Acq: 4 Jan 2018 22:09

Instrument :

BNA_F

ClientSampleId :

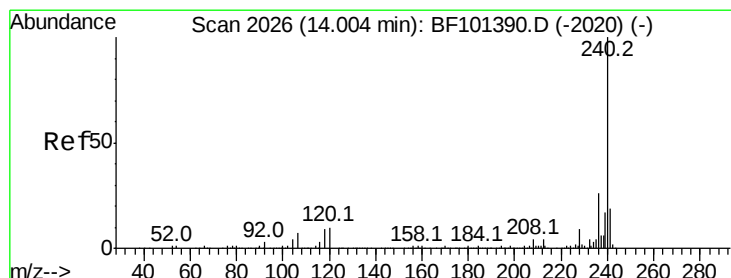
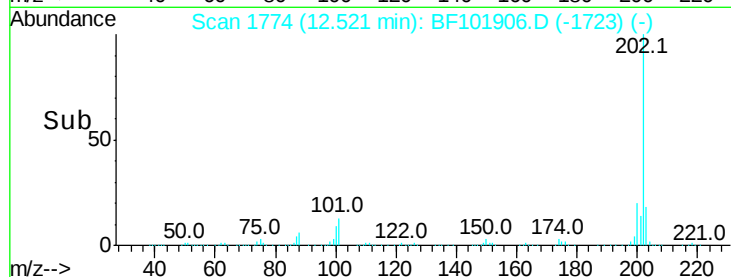
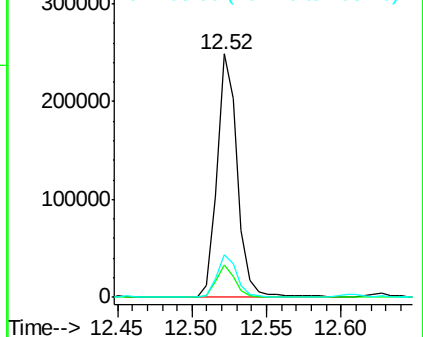
Tot Ion:	202	Resp:	238037
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.6	0.0	38.1



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

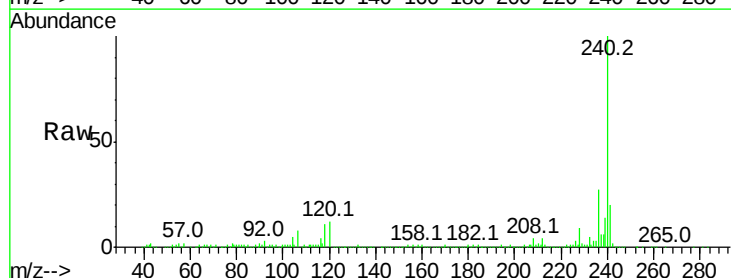
RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101906.D

Acq: 4 Jan 2018 22:09

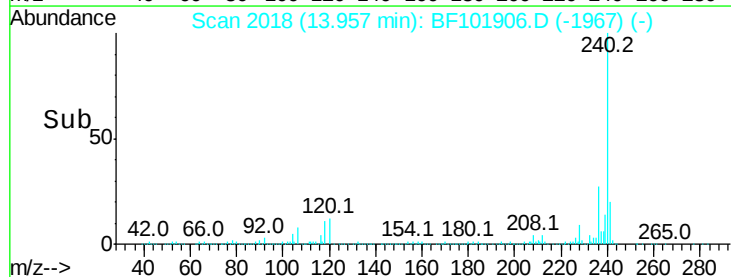
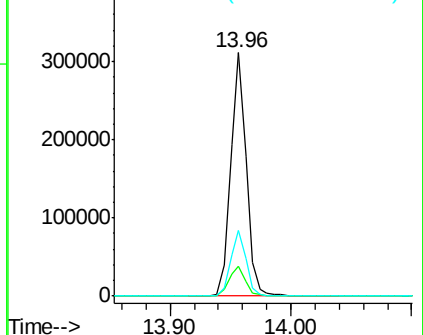
Tgt Ion:	240	Resp:	280311
Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.9	20.7	31.1

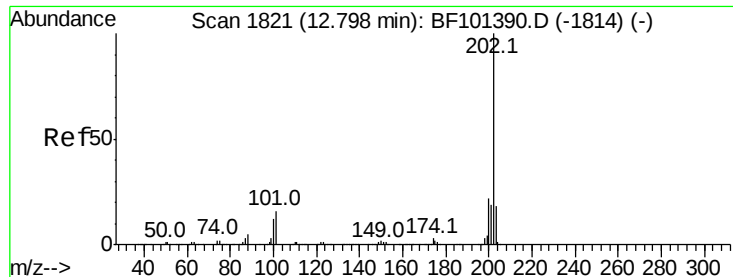


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

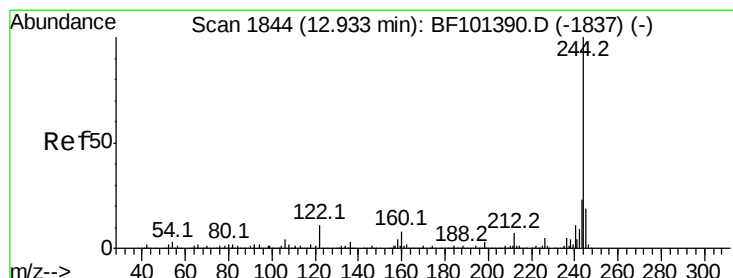
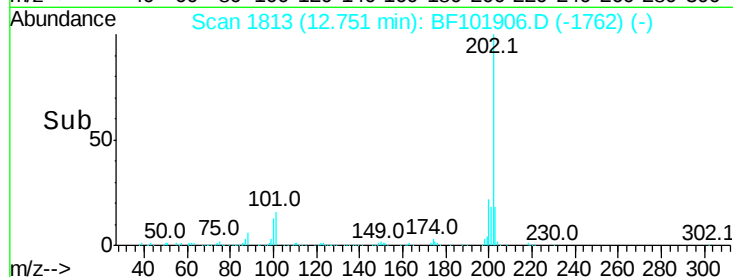
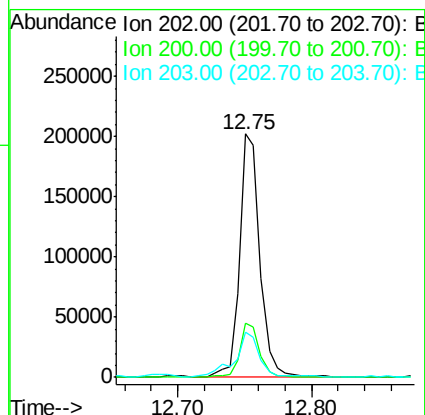
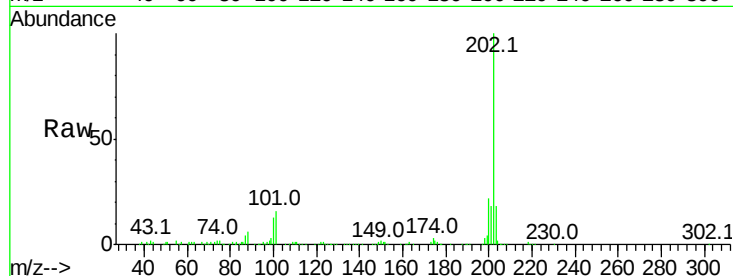




#77
Pvrene
Concen: 10.031 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

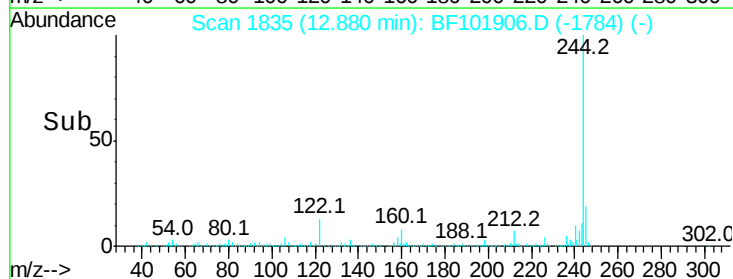
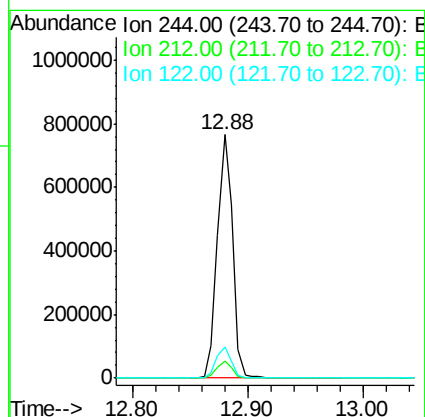
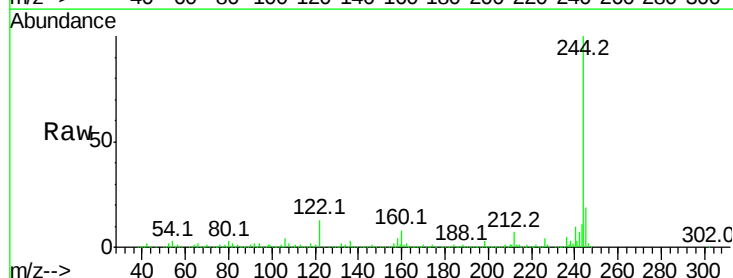
Instrument :
BNA_F
ClientSampleId :

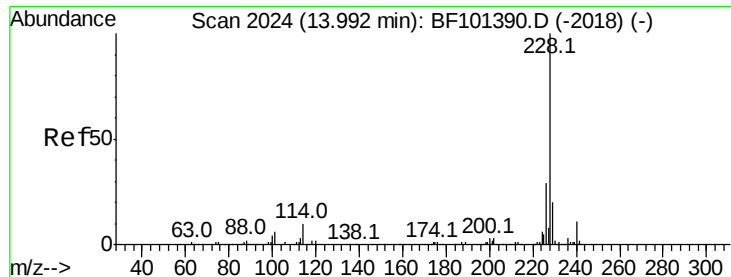
Tot Ion:202 Resp: 211024
Ion Ratio Lower Upper
202 100
200 22.3 17.4 26.2
203 18.4 14.3 21.5



#78
Terphenyl-d14
Concen: 60.283 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Tgt Ion:244 Resp: 700935
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 12.8 11.0 16.4





#80

Benzo(a)anthracene

Concen: 6.292 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF101906.D

Acq: 4 Jan 2018 22:09

Instrument :

BNA_F

ClientSampleId :

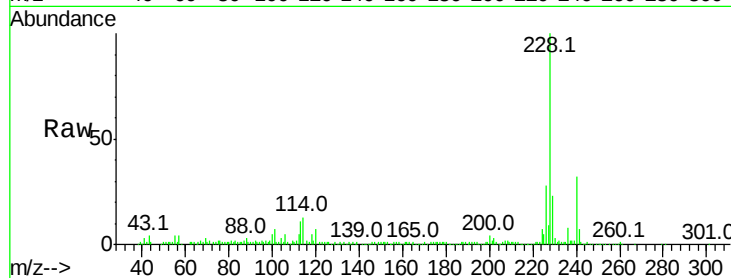
Tot Ion:228 Resp: 116455

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

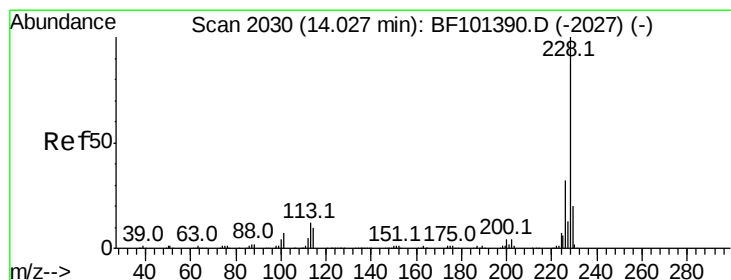
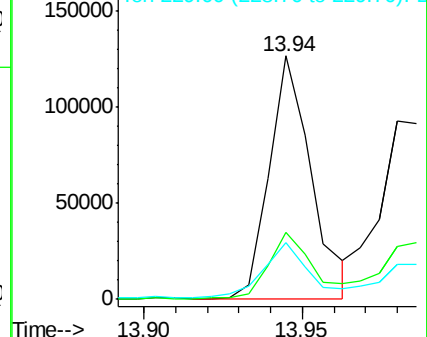
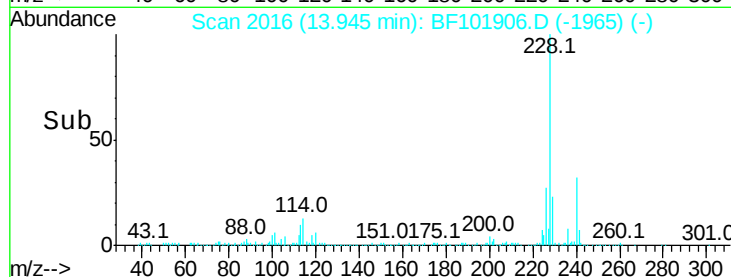
229 23.4 15.8 23.6



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: 6.452 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF101906.D

Acq: 4 Jan 2018 22:09

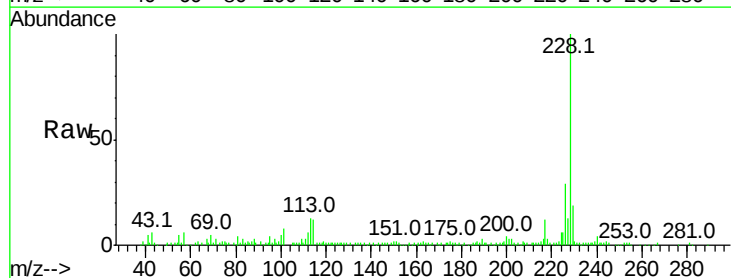
Tgt Ion:228 Resp: 112754

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

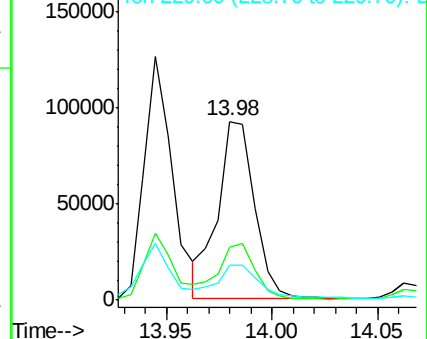
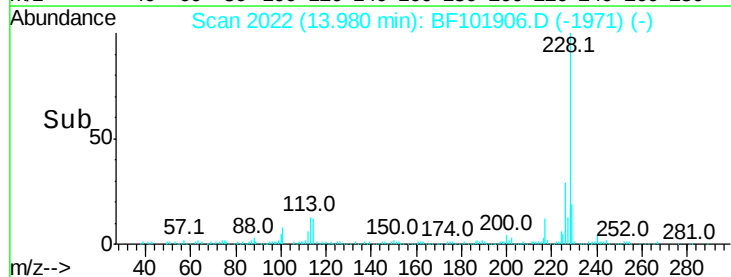
229 19.4 16.2 24.4

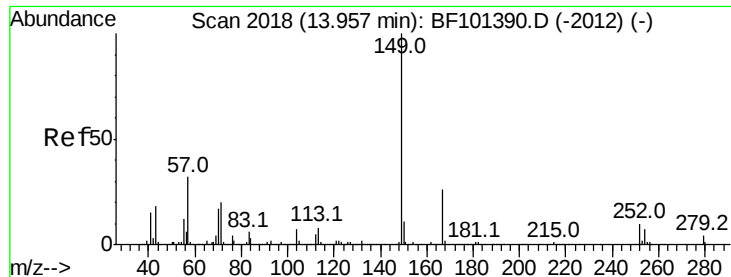


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.041 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF101906.D

Acq: 4 Jan 2018 22:09

Instrument :

BNA_F

ClientSampleId :

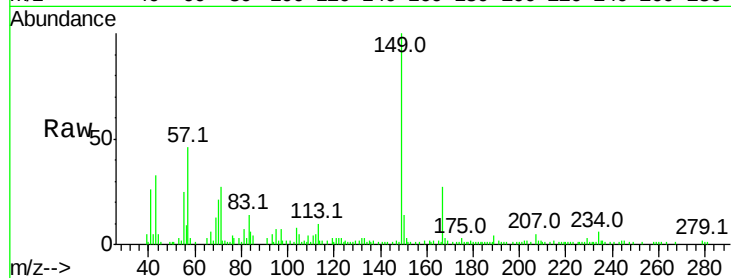
Tot Ion:149 Resp: 36664

Ion Ratio Lower Upper

149 100

167 26.6 21.3 31.9

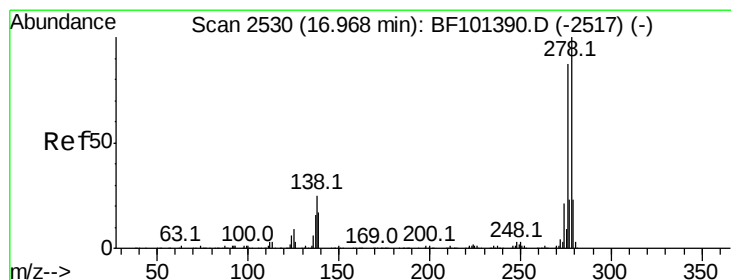
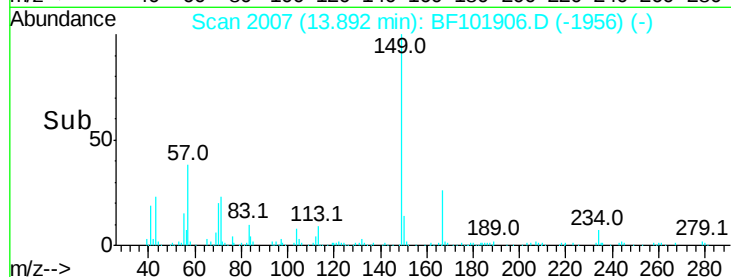
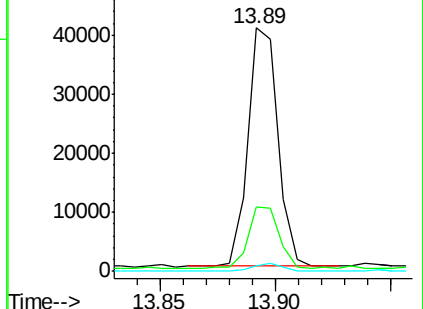
279 2.3 3.0 4.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.219 ng

RT: 16.93 min Scan# 2523

Delta R.T. 0.03 min

Lab File: BF101906.D

Acq: 4 Jan 2018 22:09

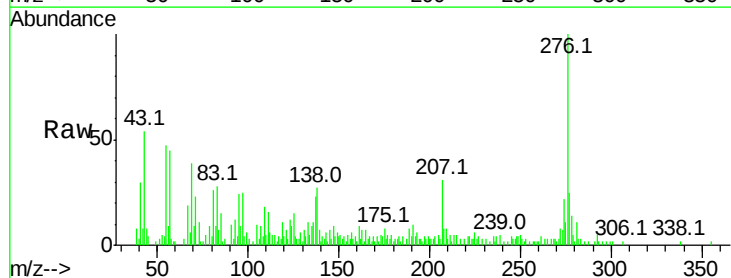
Tgt Ion:276 Resp: 34535

Ion Ratio Lower Upper

276 100

138 27.4 25.0 37.6

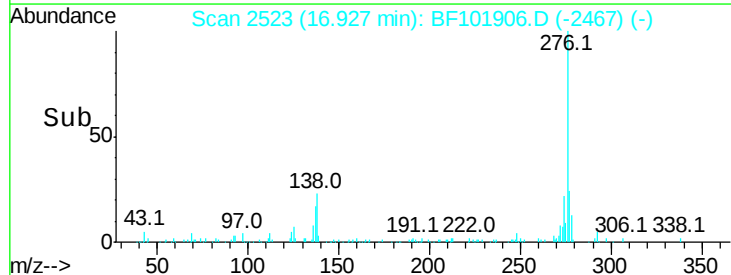
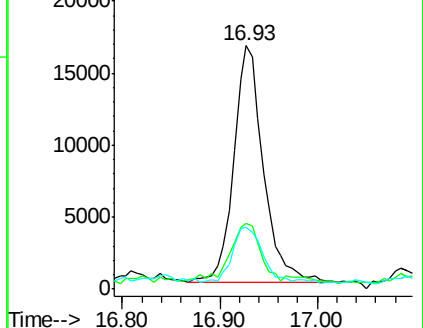
277 23.4 20.1 30.1

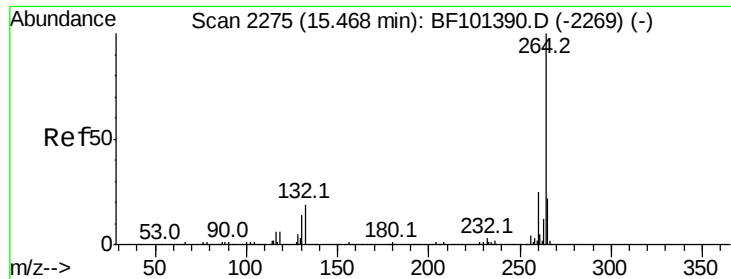


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

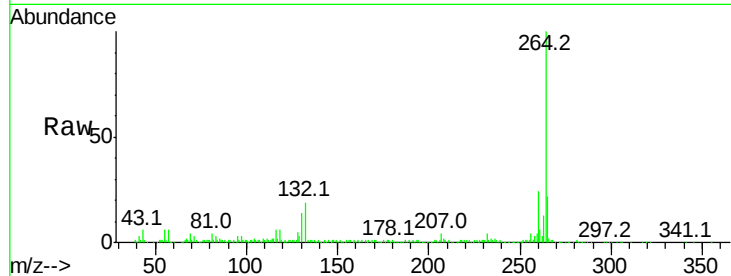




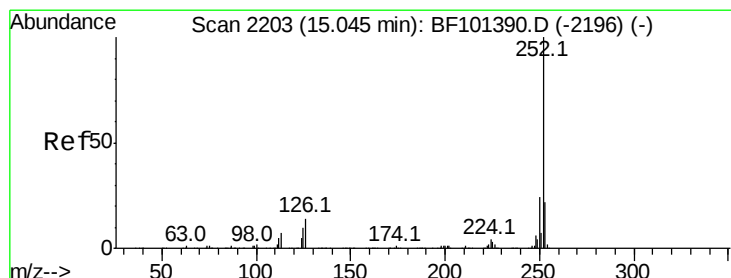
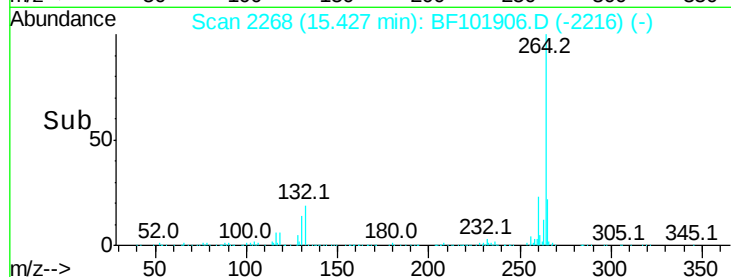
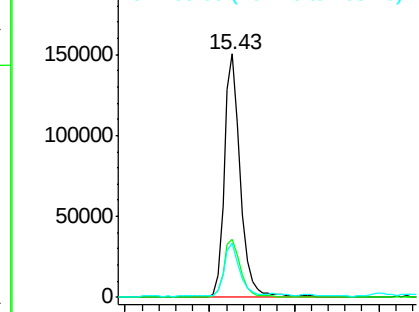
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 200159
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.1 17.5 26.3

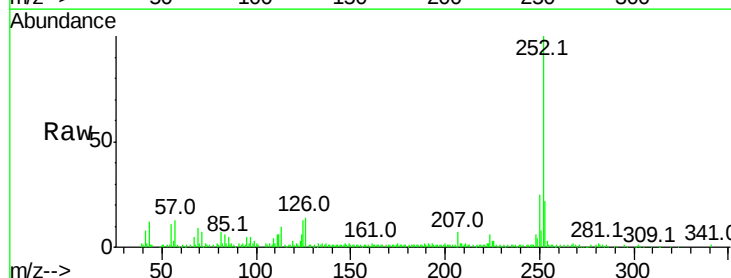


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

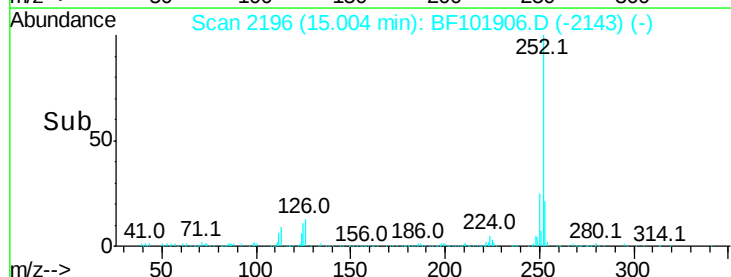
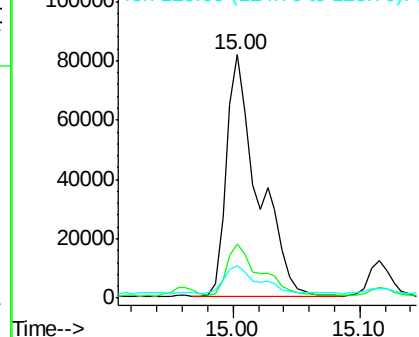


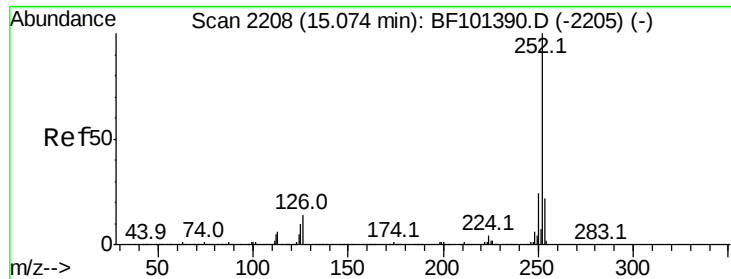
#87
 Benzo(b)fluoranthene
 Concen: 11.601 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

Tgt Ion:252 Resp: 141534
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.0 25.6
 125 13.3 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

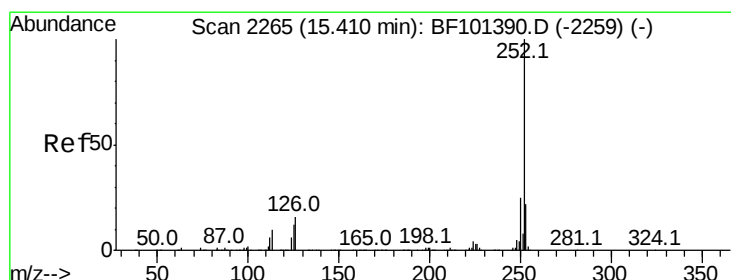
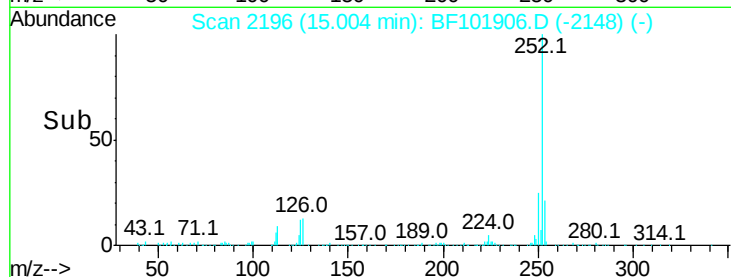
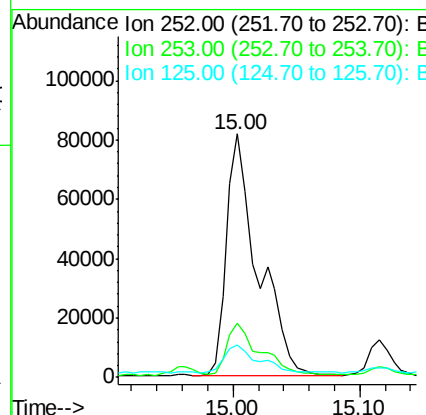
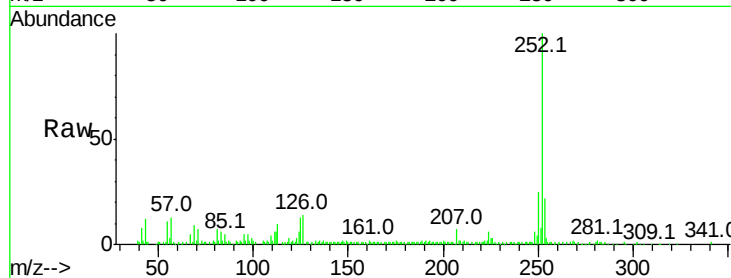




#88
Benzo(k)fluoranthene
Concen: 11.932 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

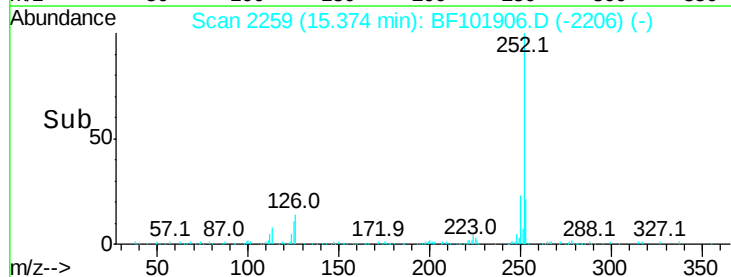
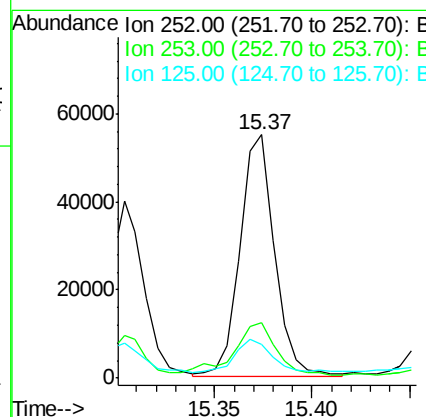
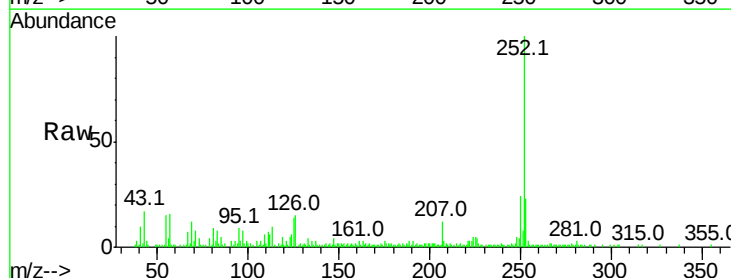
Instrument :
BNA_F
ClientSampleId :

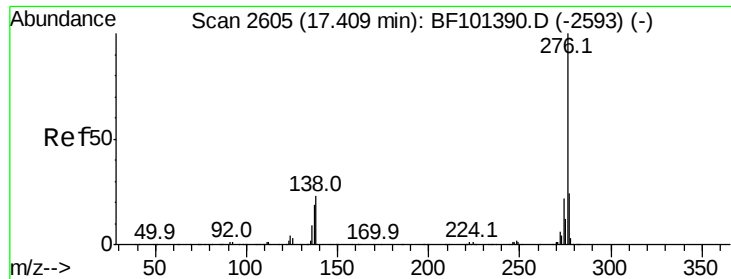
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	13.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.987 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF101906.D
Acq: 4 Jan 2018 22:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.0	9.8	14.6

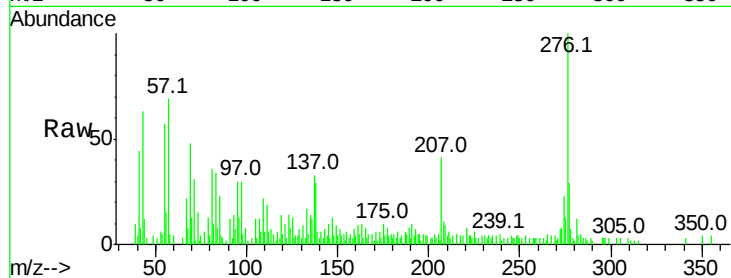




#91
 Benzo(a,h,i)perylene
 Concen: 3.557 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.04 min
 Lab File: BF101906.D
 Acq: 4 Jan 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	29.3	17.9	26.9	
138	29.4	21.8	32.8	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

