

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104486.D
 Acq On : 13 Apr 2018 18:41
 Operator : JU/SJ
 Sample : J2152-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 22:54:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	137053	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	534251	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	236198	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	367747	20.00	ng	0.00
75) Chrysene-d12	13.98	240	257576	20.00	ng	-0.01
86) Perylene-d12	15.45	264	209484	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	490244	54.69	ng	0.00
7) Phenol-d6	6.44	99	596379	54.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	360550	44.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	126492	51.63	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	655252	43.82	ng	0.00
78) Terphenyl-d14	12.93	244	484569	42.89	ng	0.00

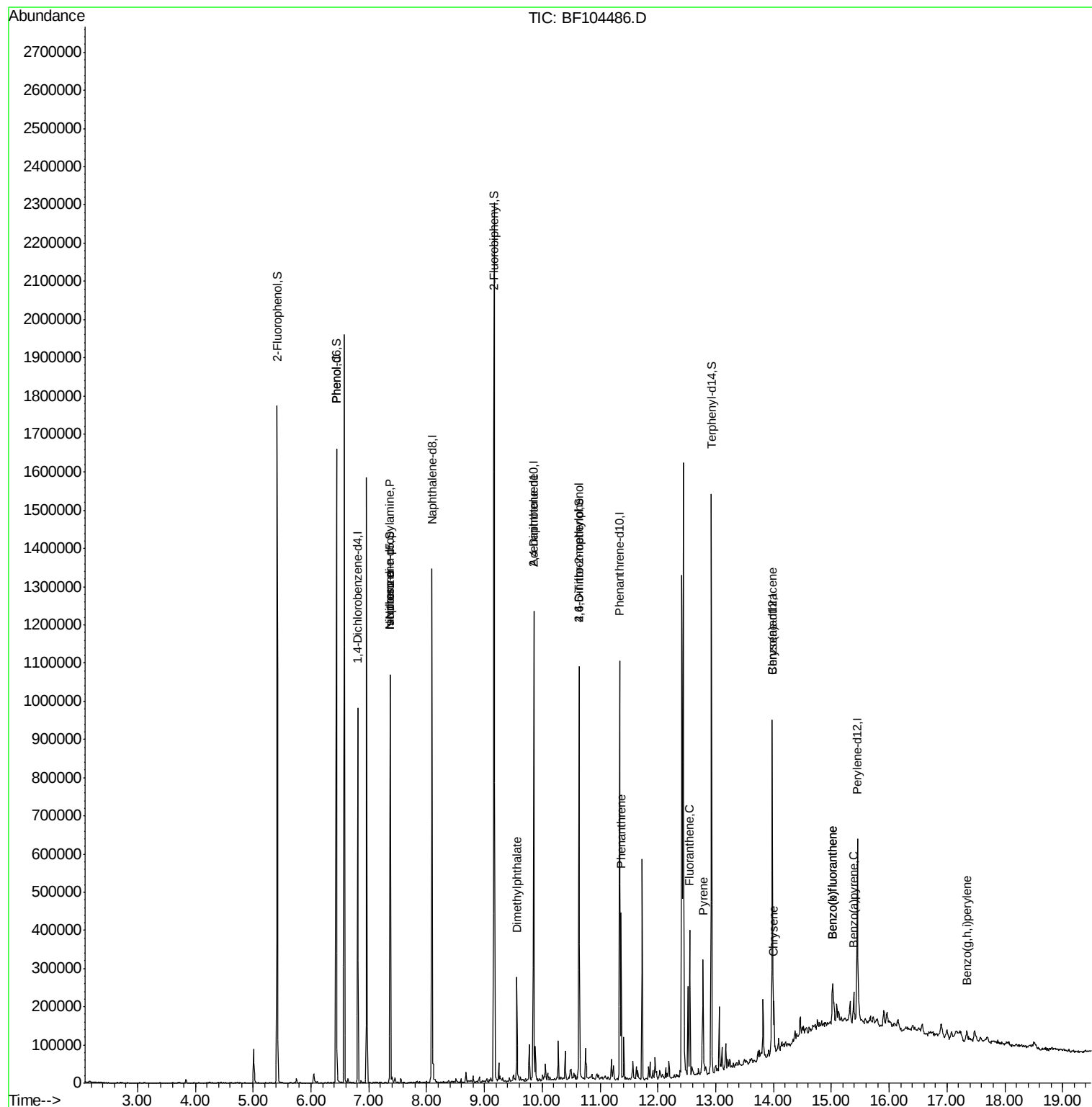
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	1186	Below Cal	#	1
10) Phenol	6.45	94	23644	2.023	ng	88
19) n-Nitroso-di-n-propylamine	7.37	70	46228	6.424	ng	# 76
25) Isophorone	7.37	82	360545	20.839	ng	# 64
49) Dimethylphthalate	9.56	163	101664	5.458	ng	99
56) 2,4-Dinitrotoluene	9.85	165	30221	6.685	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	127	7.407	ng	# 1
70) Phenanthrene	11.36	178	143219	6.993	ng	98
74) Fluoranthene	12.55	202	137810	6.441	ng	97
76) Benzidine	12.93	184	6468	Below Cal	#	97
77) Pyrene	12.78	202	117822	6.171	ng	99
80) Benzo(a)anthracene	13.97	228	54793	3.561	ng	98
82) Chrysene	14.01	228	55005	3.480	ng	97
87) Benzo(b)fluoranthene	15.02	252	77062	5.825	ng	# 92
88) Benzo(k)fluoranthene	15.02	252	77062	6.169	ng	# 95
89) Benzo(a)pyrene	15.39	252	36275	3.064	ng	98
91) Benzo(a,h,i)perylene	17.34	276	20143	2.138	ng	95

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

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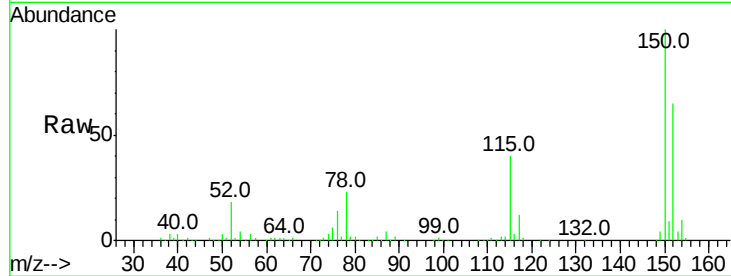


#1

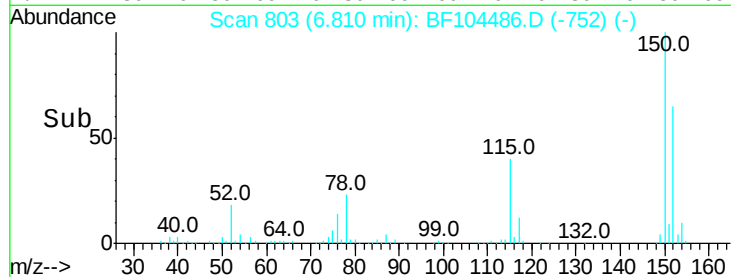
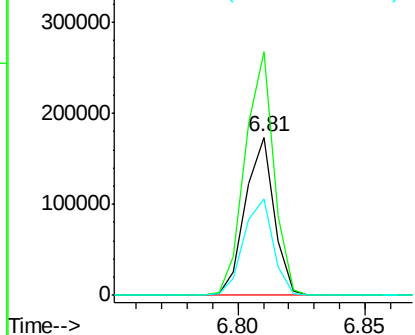
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 137053
 Ion Ratio Lower Upper
 152 100
 150 153.7 124.6 186.8
 115 60.7 50.1 75.1



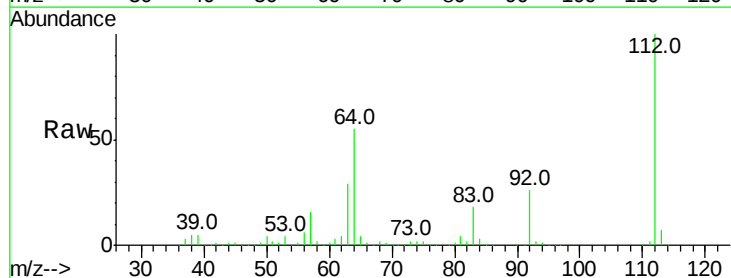
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



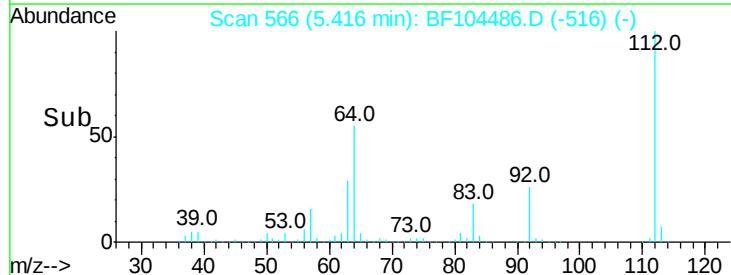
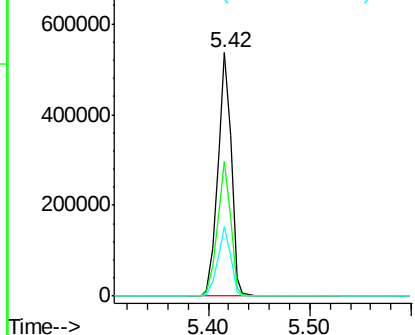
#5

2-Fluorophenol
 Concen: 54.695 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Tgt Ion:112 Resp: 490244
 Ion Ratio Lower Upper
 112 100
 64 55.3 47.9 71.9
 63 28.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 54.153 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104486.D

Acq: 13 Apr 2018 18:41

Instrument :

BNA_F

ClientSampled :

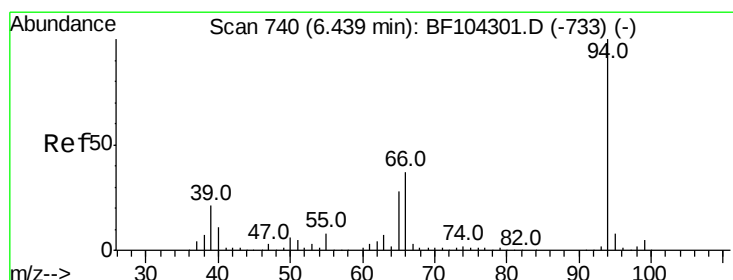
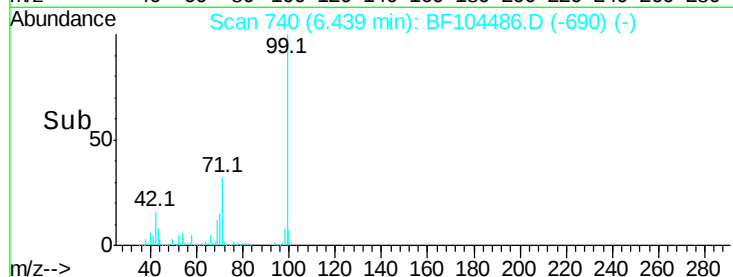
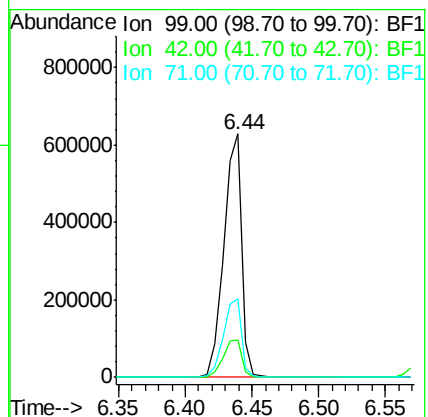
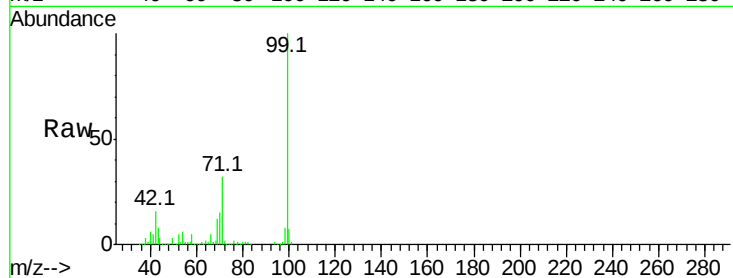
Tot Ion: 99 Resp: 596379

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 32.1 25.4 38.0



#10

Phenol

Concen: 2.023 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104486.D

Acq: 13 Apr 2018 18:41

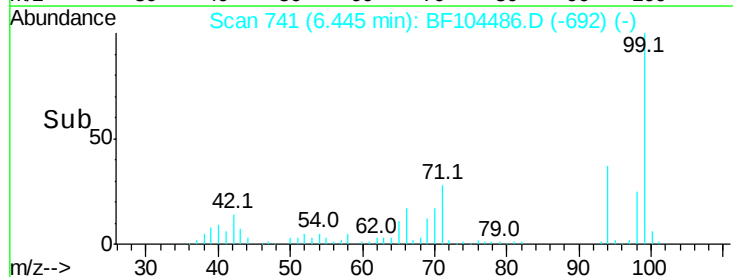
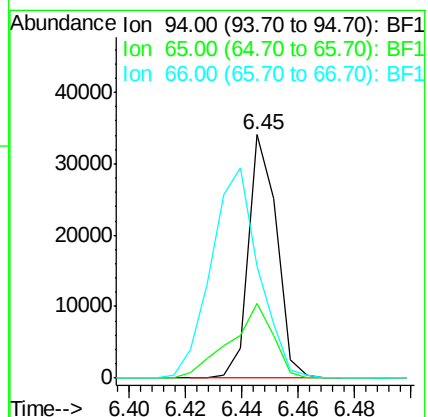
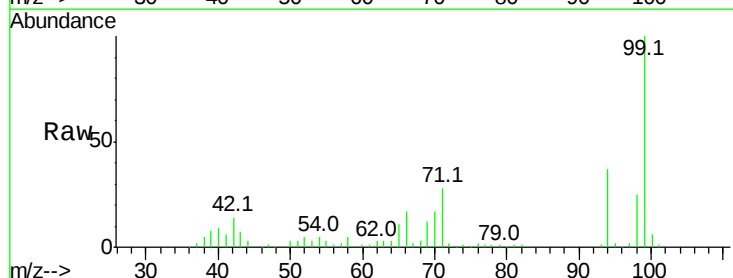
Tgt Ion: 94 Resp: 23644

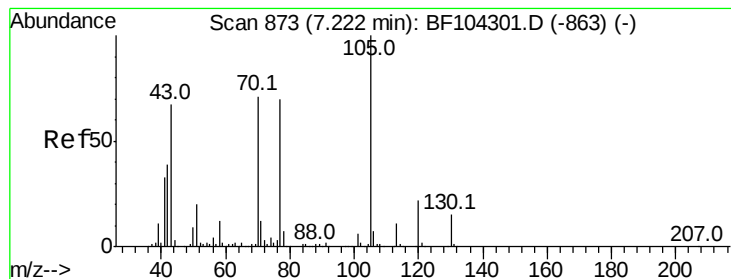
Ion Ratio Lower Upper

94 100

65 30.9 7.9 47.9

66 46.0 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 6.424 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104486.D

Acq: 13 Apr 2018 18:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 46228

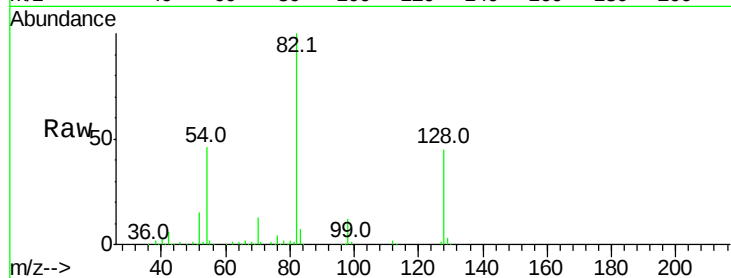
Ion Ratio Lower Upper

70 100

42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

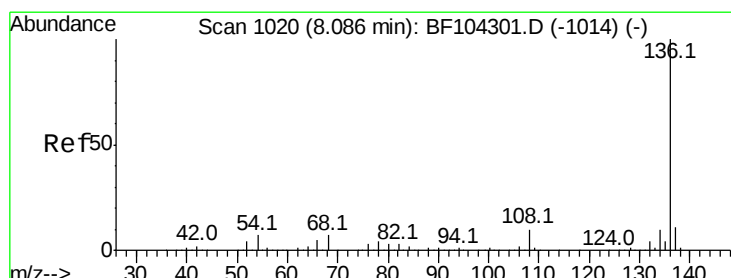
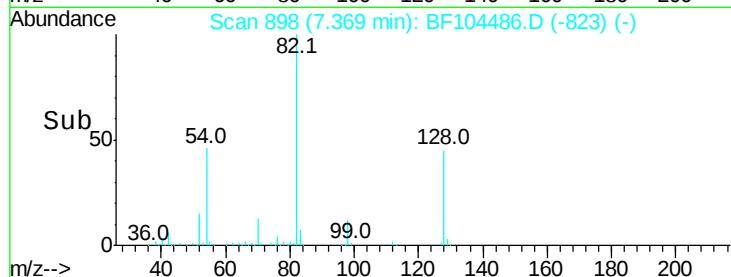
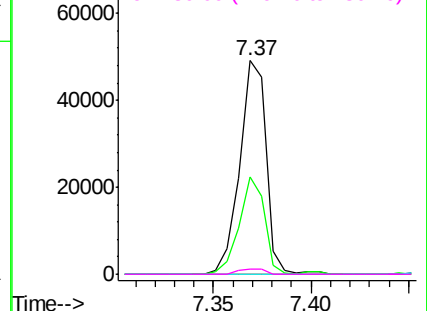


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104486.D

Acq: 13 Apr 2018 18:41

Tgt Ion:136 Resp: 534251

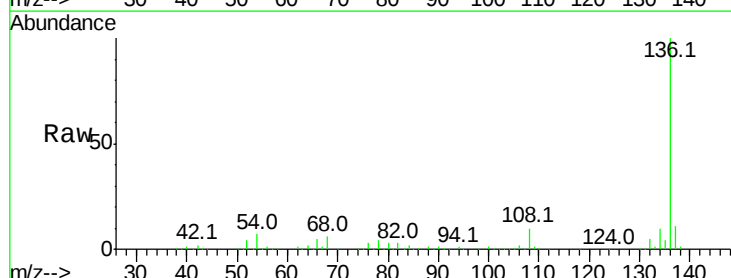
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.1 6.6 9.8

68 5.9 5.0 7.4

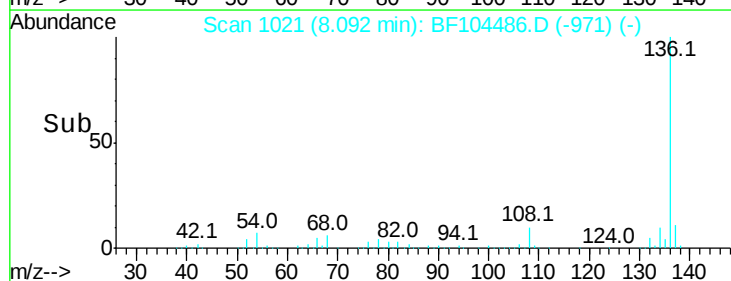
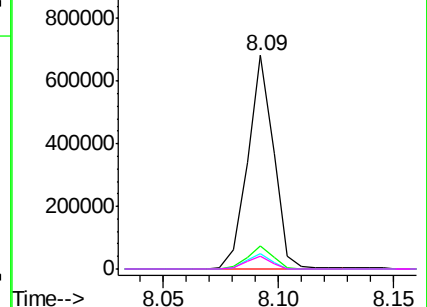


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

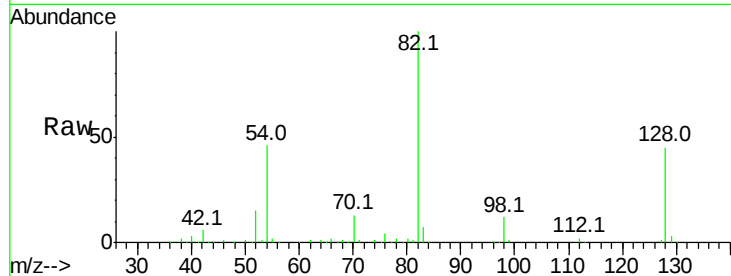




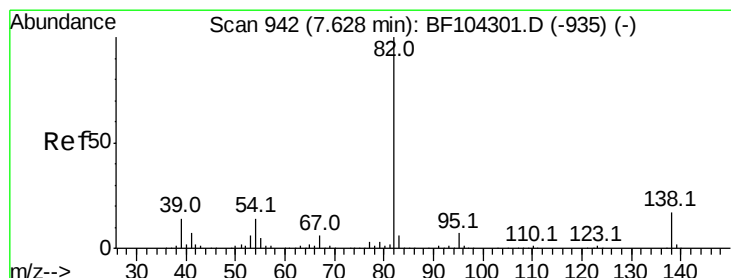
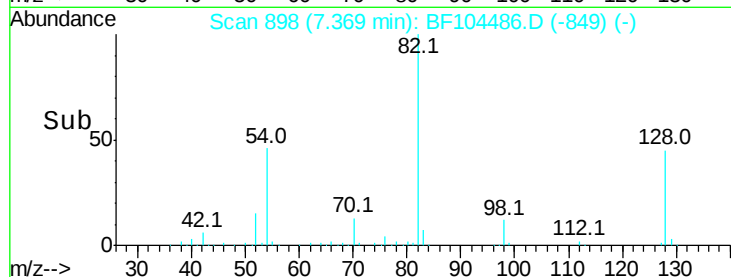
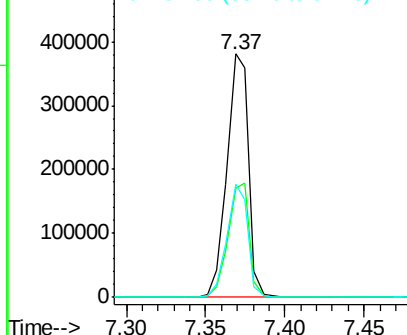
#23
Nitrobenzene-d5
Concen: 44.068 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 360550
Ion Ratio Lower Upper
82 100
128 44.7 36.1 54.1
54 46.4 41.4 62.2

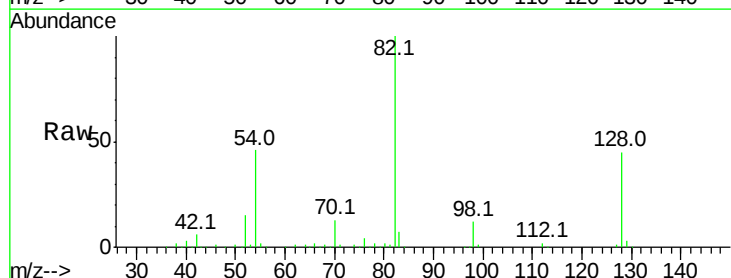


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

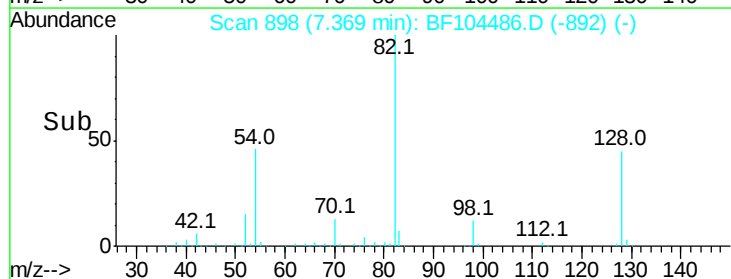
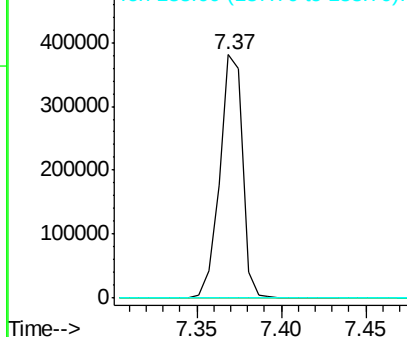


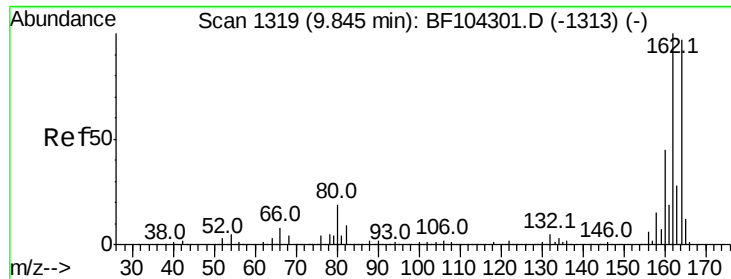
#25
Isophorone
Concen: 20.839 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Tgt Ion: 82 Resp: 360545
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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

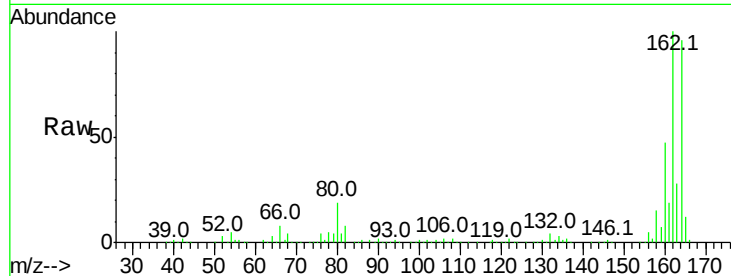




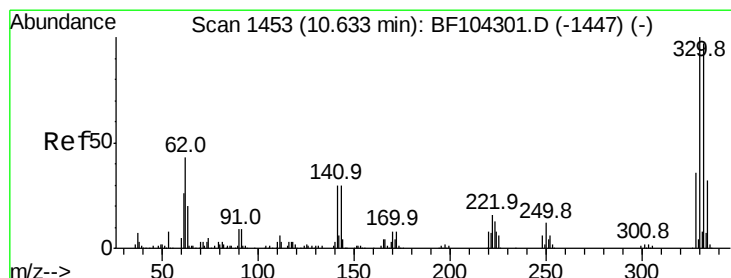
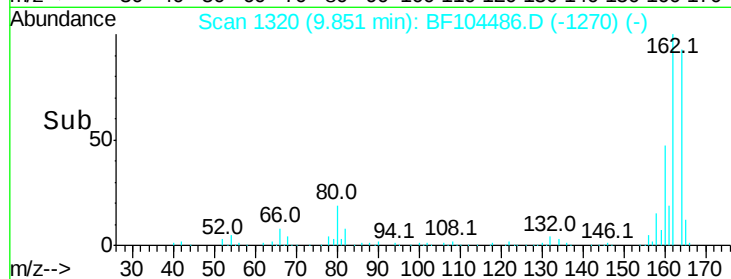
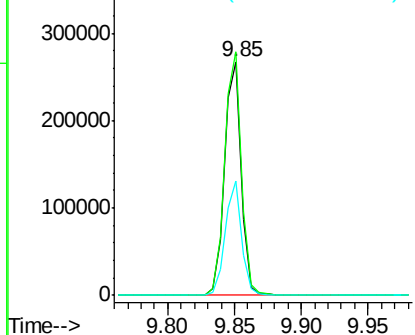
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 236198
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 48.9 38.3 57.5

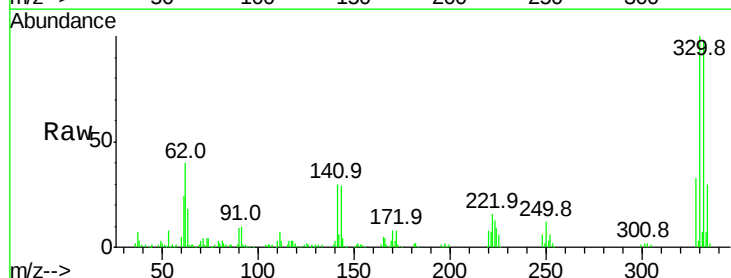


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

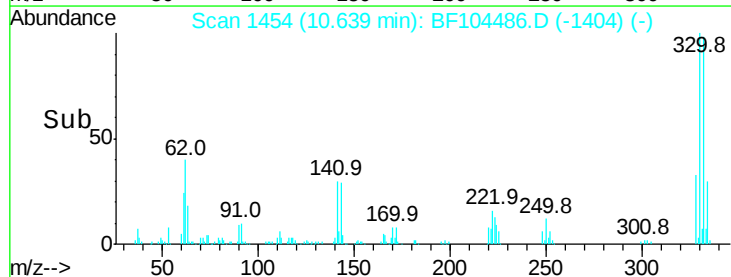
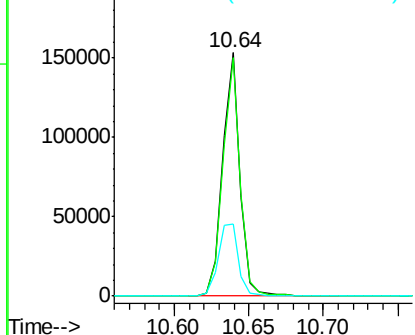


#41
 2,4,6-Tribromophenol
 Concen: 51.626 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Tgt Ion:330 Resp: 126492
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 34.9 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



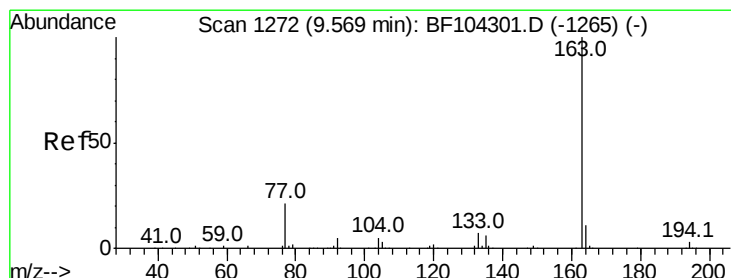
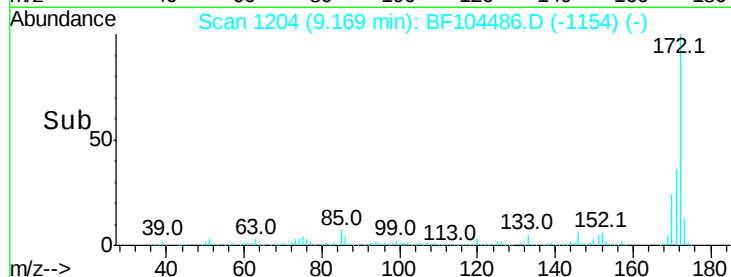
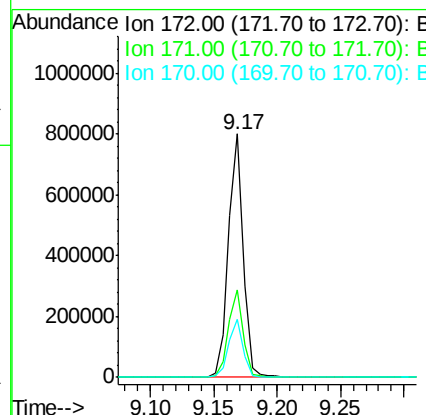
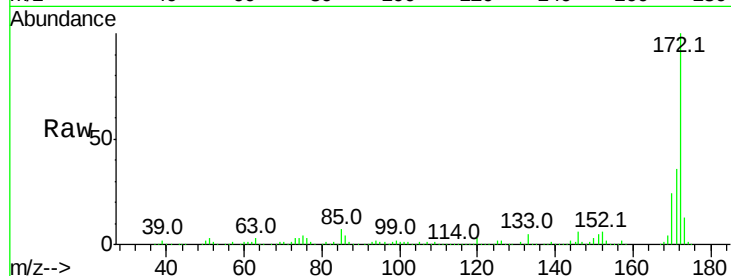


#44
 2-Fluorobiphenyl
 Concen: 43.825 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 655252

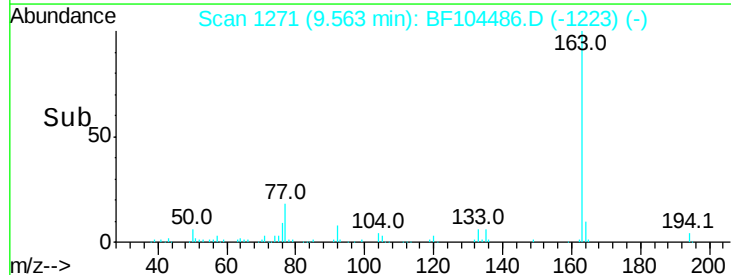
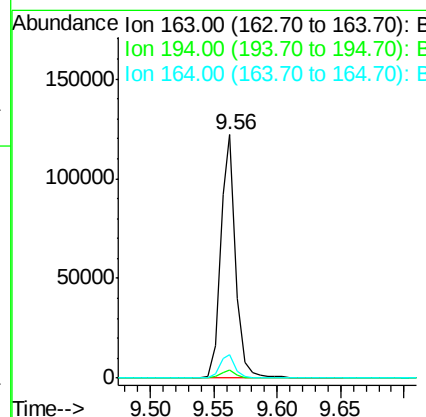
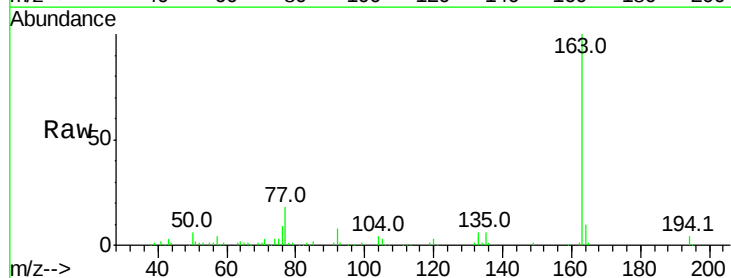
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	19.6	29.4



#49
 Dimethylphthalate
 Concen: 5.458 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Tgt Ion:163 Resp: 101664

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.8	8.2	12.2

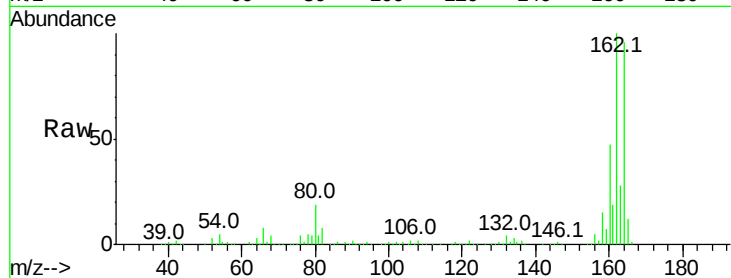




#56
 2,4-Dinitrotoluene
 Concen: 6.685 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



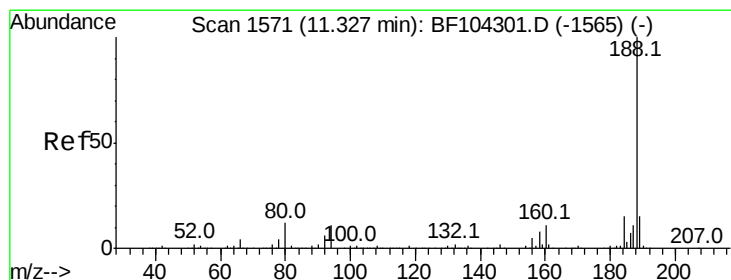
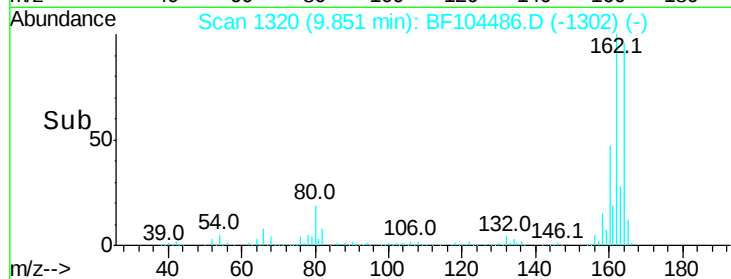
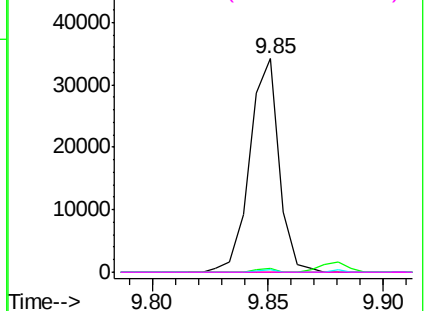
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

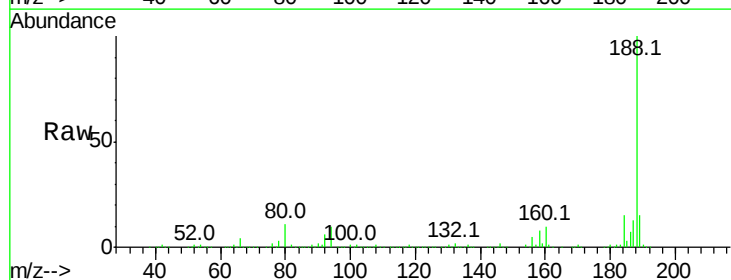
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.6	9.2	13.8

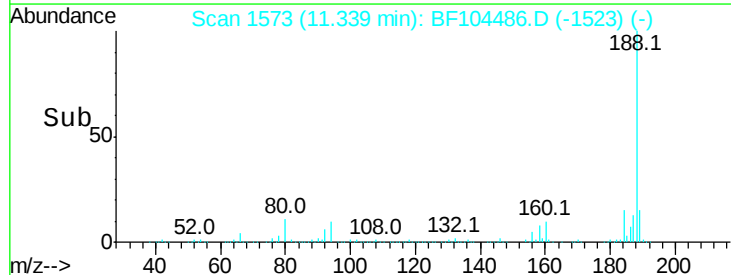
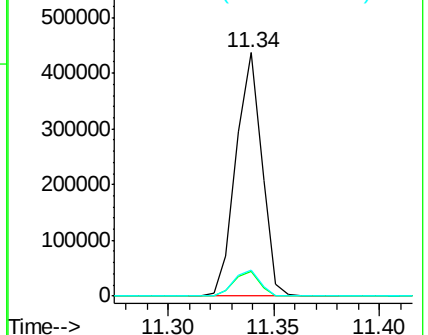


Abundance

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





#64

4,6-Dinitro-2-methylphenol

Concen: 7.407 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104486.D

Acq: 13 Apr 2018 18:41

Instrument :

BNA_F

ClientSampleId :

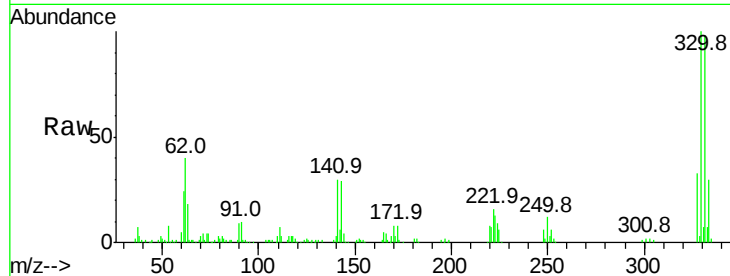
Tot Ion:198 Resp: 127

Ion Ratio Lower Upper

198 100

51 219.1 37.7 77.7#

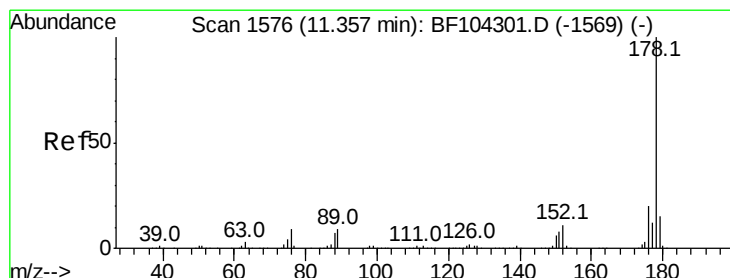
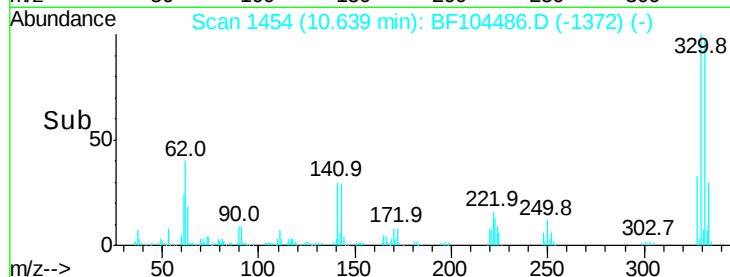
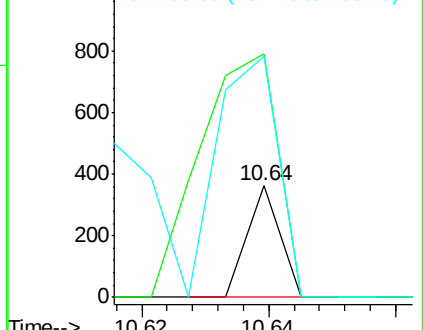
105 217.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 6.993 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104486.D

Acq: 13 Apr 2018 18:41

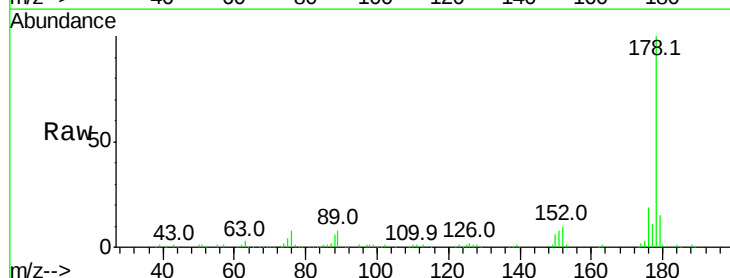
Tgt Ion:178 Resp: 143219

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

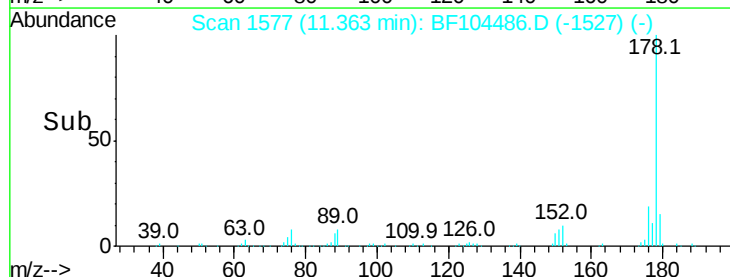
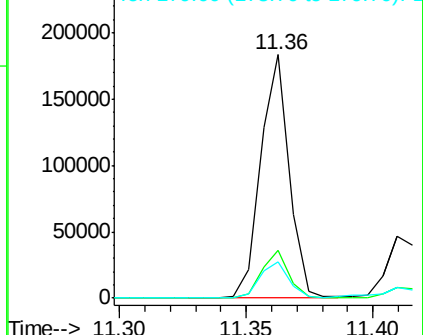
179 15.1 13.0 19.6

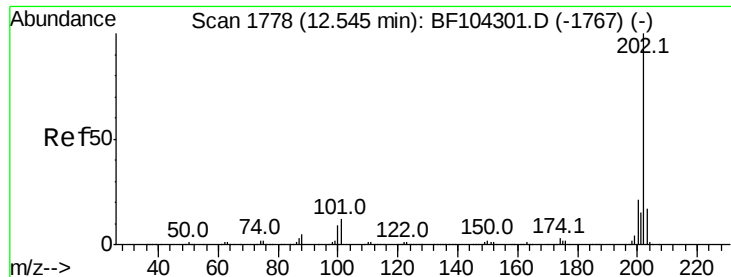


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

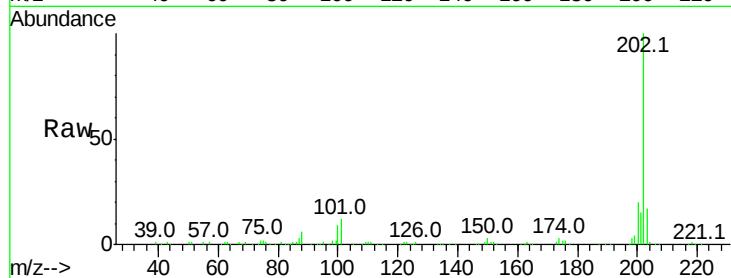




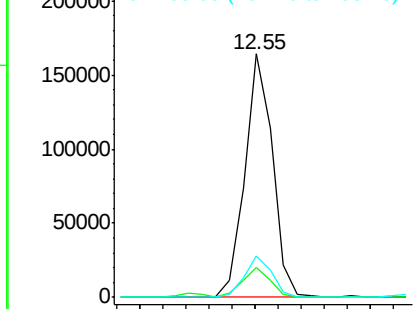
#74
 Fluoranthene
 Concen: 6.441 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Instrument :
 BNA_F
 ClientSampleId :

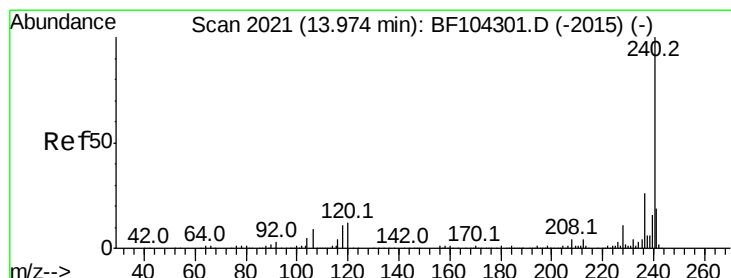
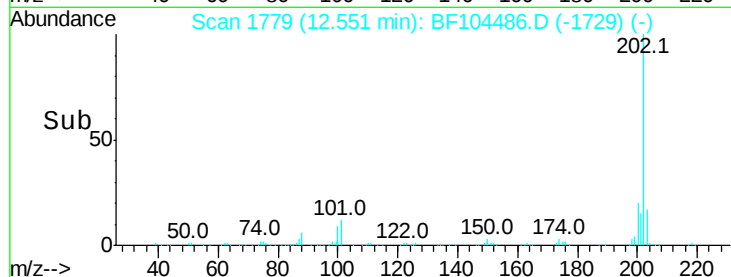
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

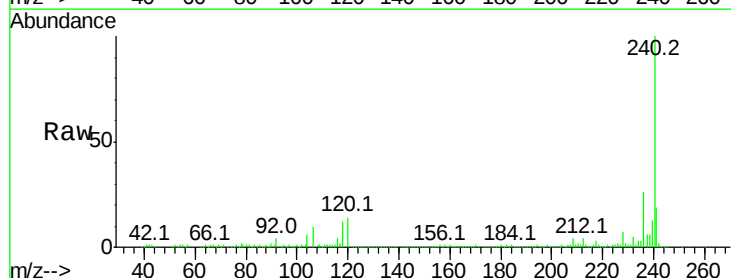


Time--> 12.50 12.55 12.60

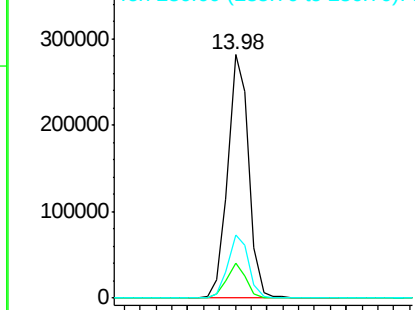


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

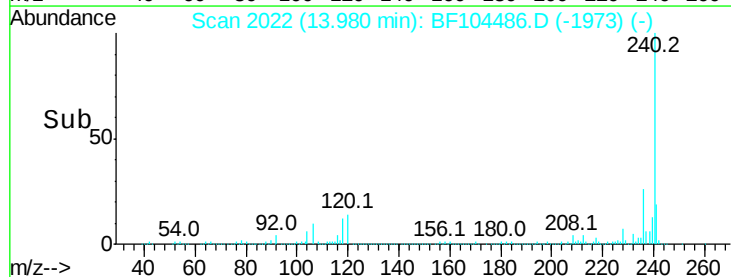
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.5	14.3
236	26.1	20.7	31.1

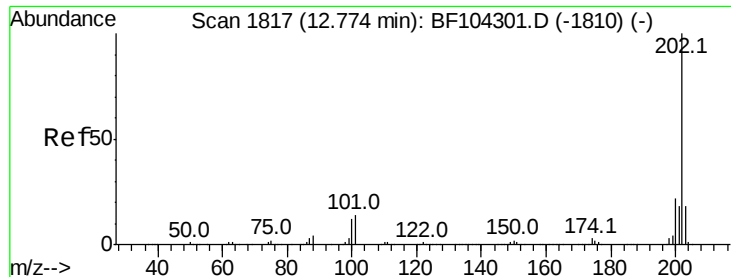


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time--> 13.95 14.00 14.05

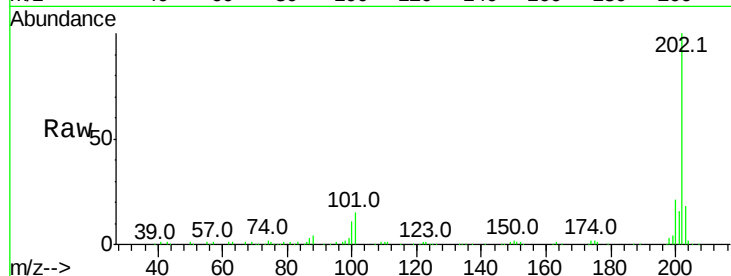




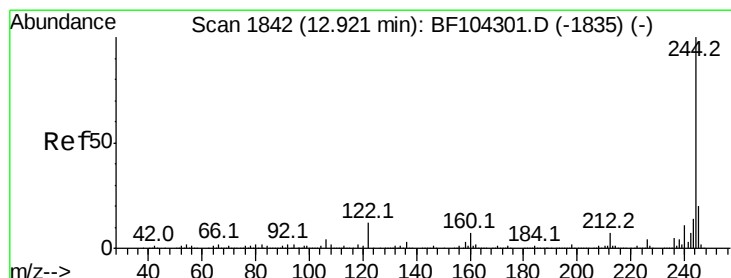
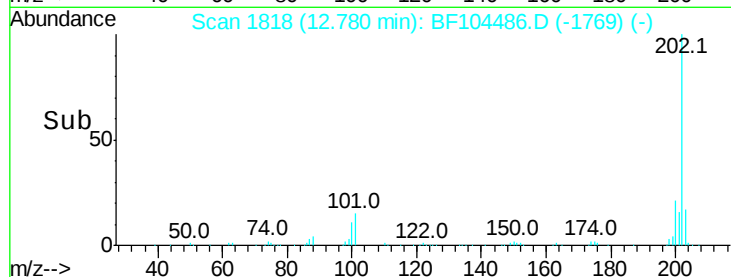
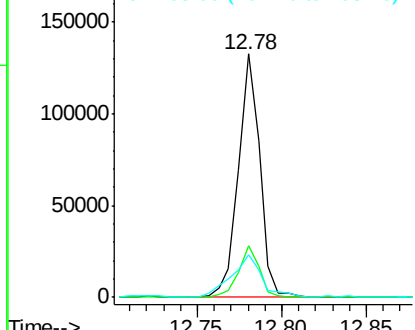
#77
Pvrene
Concen: 6.171 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 117822
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.7 14.3 21.5

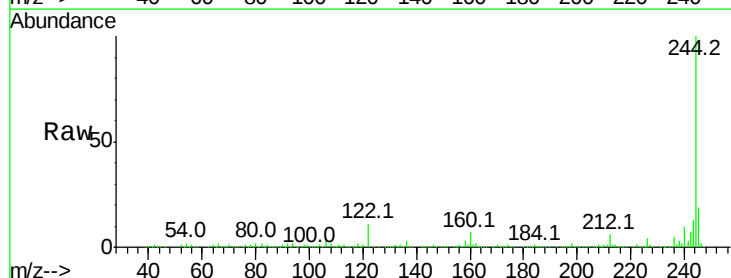


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

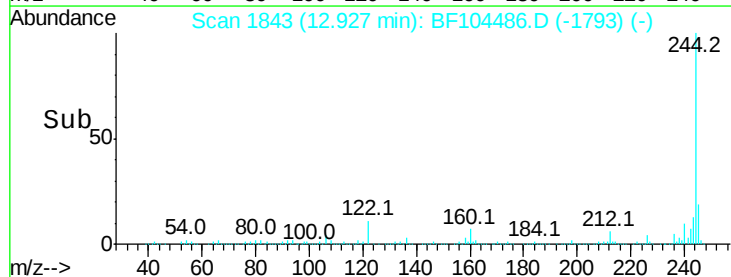
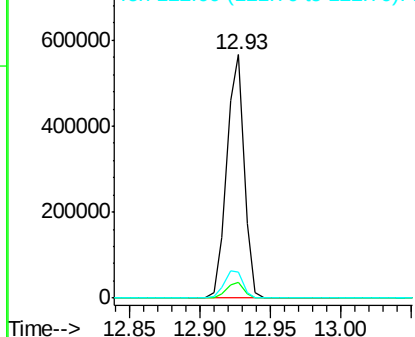


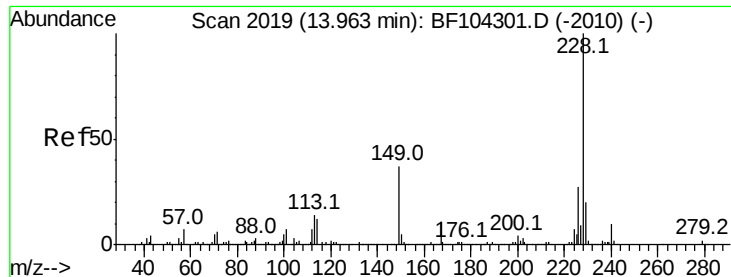
#78
Terphenyl-d14
Concen: 42.890 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Tgt Ion:244 Resp: 484569
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 10.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

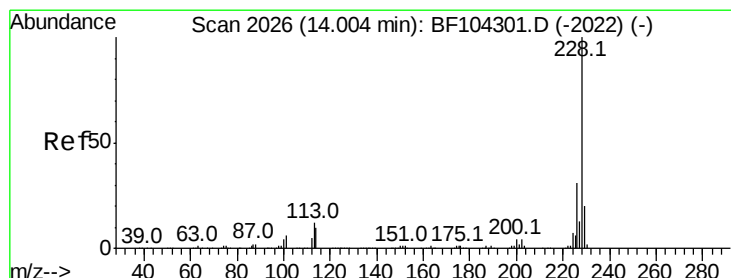
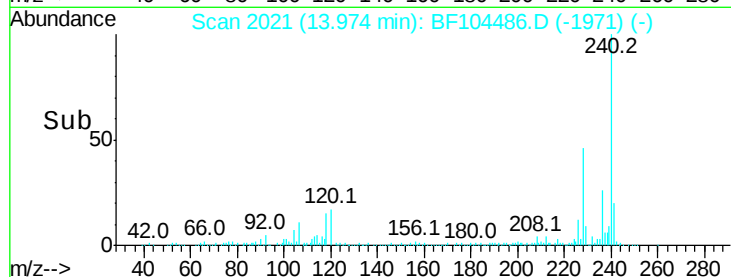
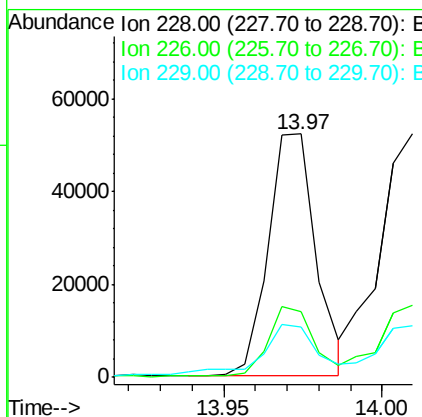
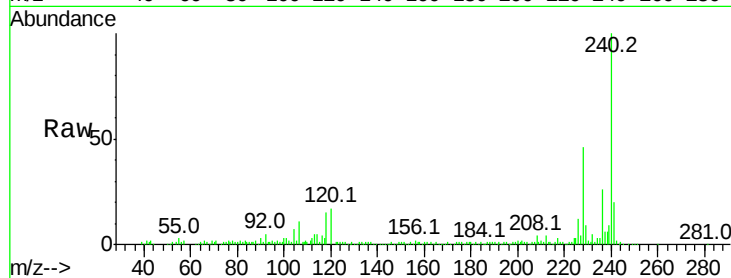




#80
Benzo(a)anthracene
Concen: 3.561 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

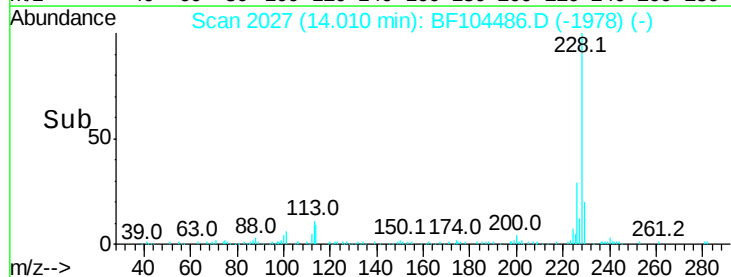
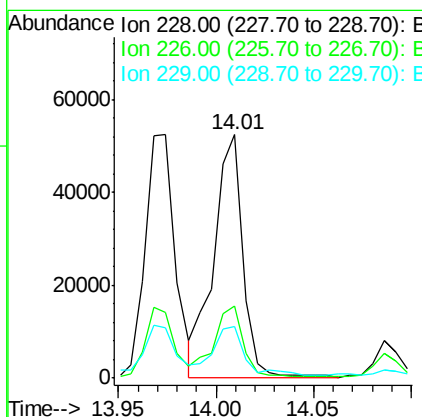
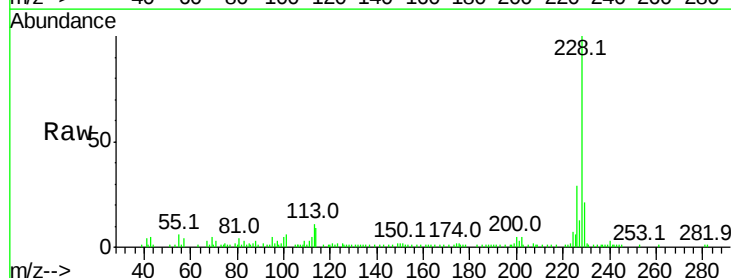
Instrument :
BNA_F
ClientSampleId :

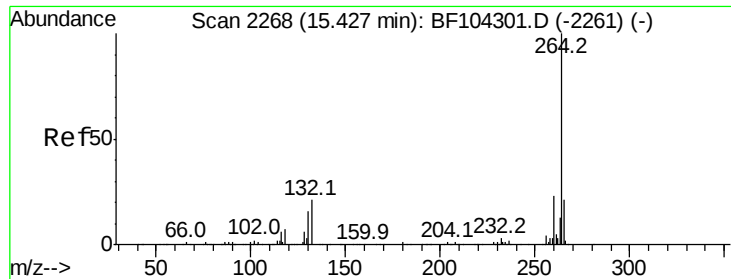
Tot Ion:228 Resp: 54793
Ion Ratio Lower Upper
228 100
226 27.1 22.6 33.8
229 20.6 15.8 23.6



#82
Chrysene
Concen: 3.480 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Tgt Ion:228 Resp: 55005
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 21.1 16.2 24.4



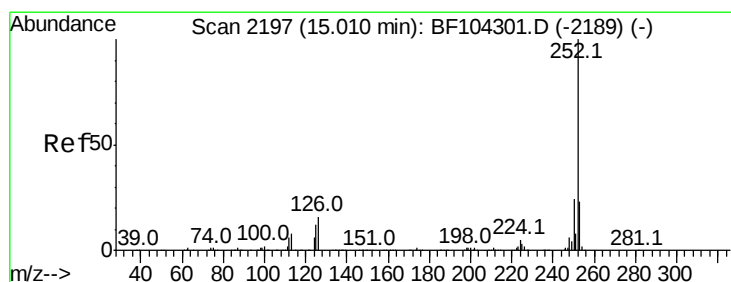
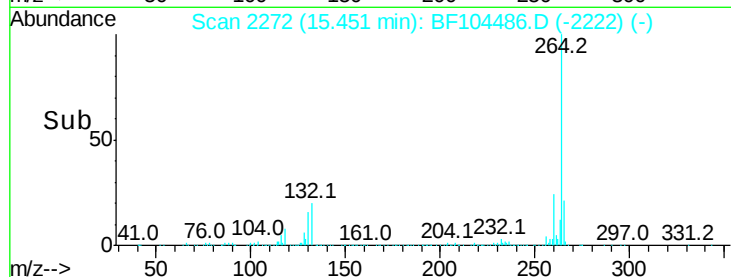
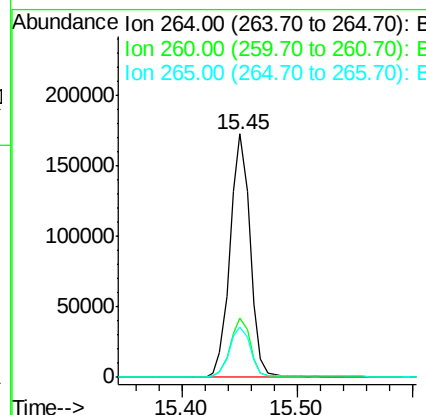
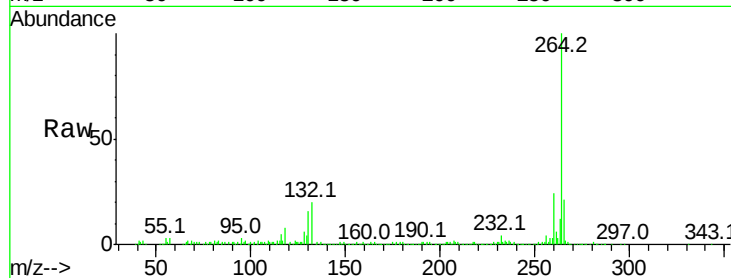


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 209484

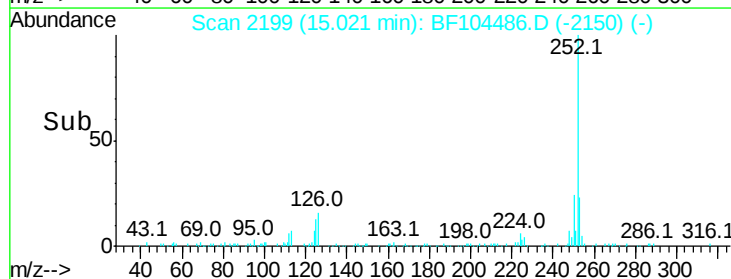
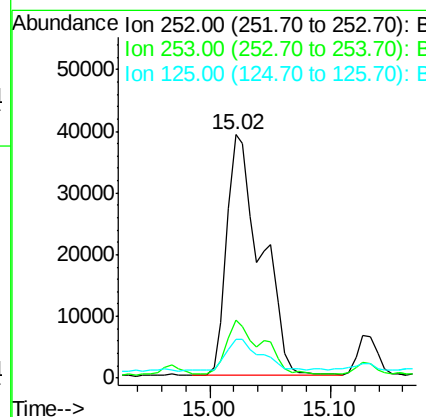
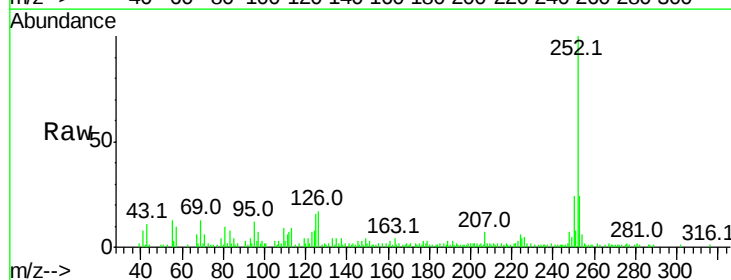
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	20.9	17.5	26.3

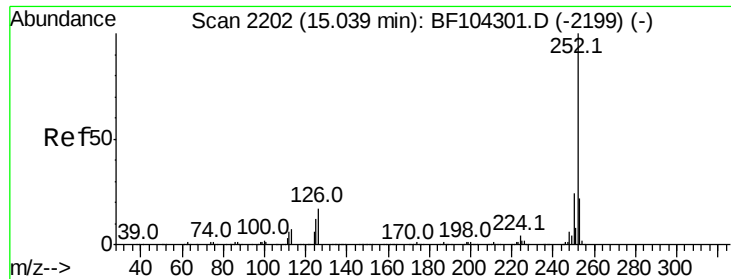


#87
Benzo(b)fluoranthene
Concen: 5.825 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Tgt Ion:252 Resp: 77062

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	15.9	9.0	13.6

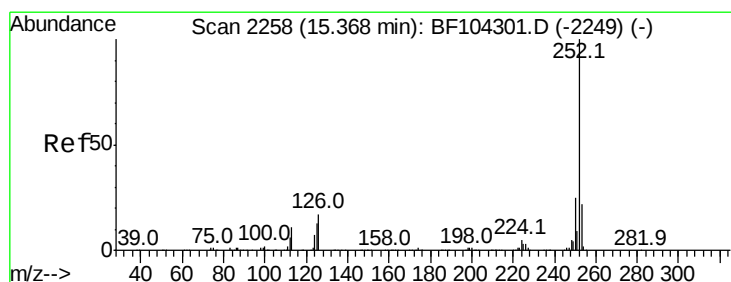
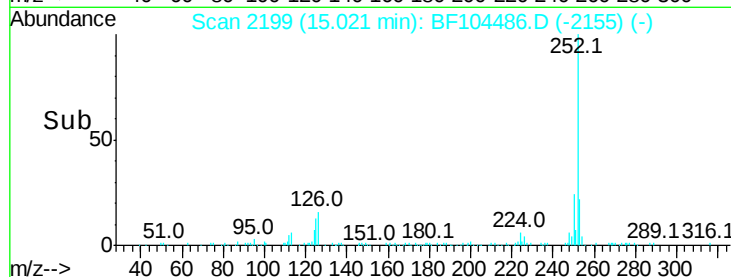
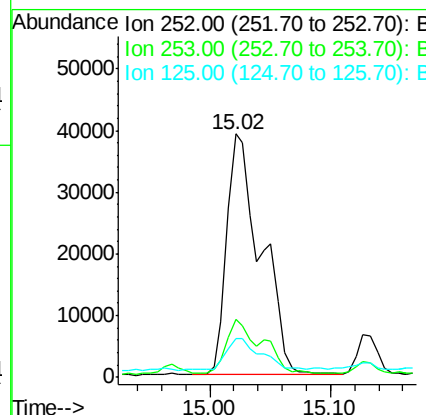
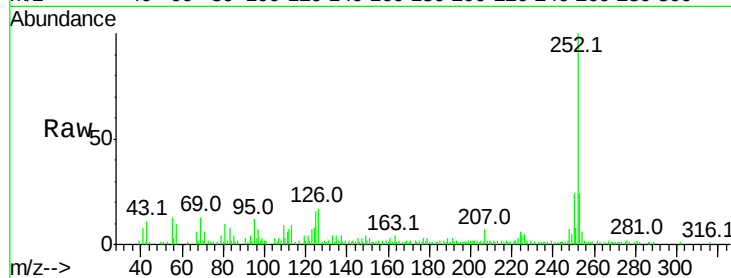




#88
Benzo(k)fluoranthene
Concen: 6.169 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

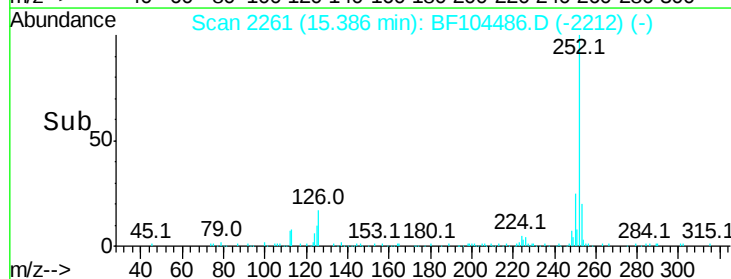
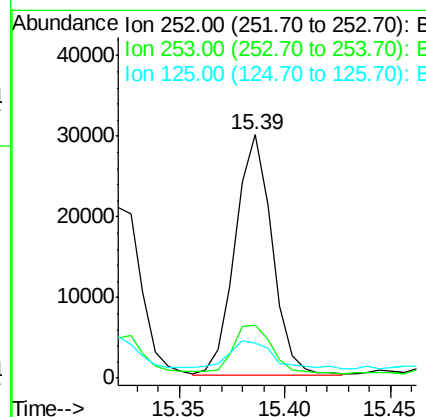
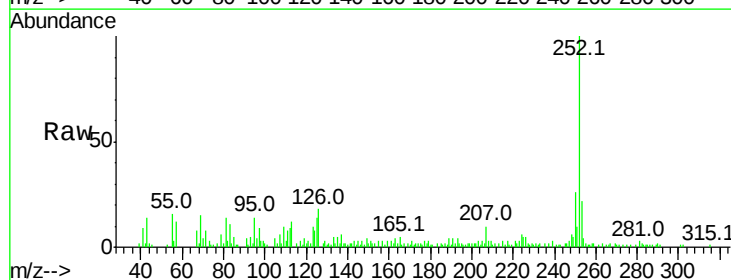
Instrument :
BNA_F
ClientSampled :

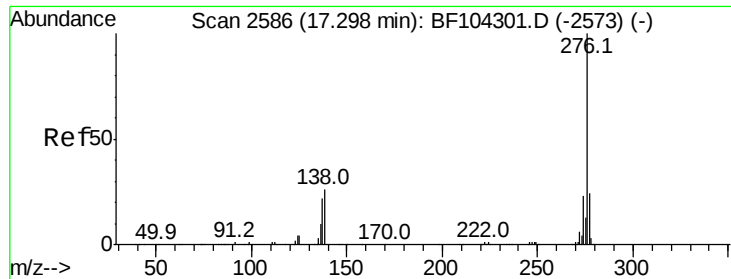
Tot Ion:252 Resp: 77062
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 15.9 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.064 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104486.D
Acq: 13 Apr 2018 18:41

Tgt Ion:252 Resp: 36275
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 14.3 9.8 14.6

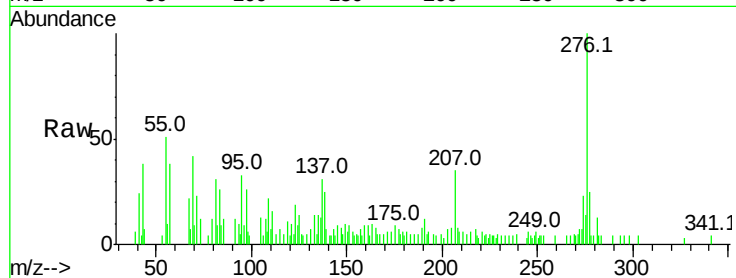




#91
 Benzo(a,h,i)perylene
 Concen: 2.138 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.02 min
 Lab File: BF104486.D
 Acq: 13 Apr 2018 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	24.6	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

