

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101805.D
 Acq On : 28 Dec 2017 16:31
 Operator : SJ/JU
 Sample : I6970-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 17:03:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	146244	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	559139	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	219804	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	344536	20.00	ng	0.00
75) Chrysene-d12	13.96	240	298258	20.00	ng	0.00
86) Perylene-d12	15.43	264	275238	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	971616	98.96	ng	0.00
7) Phenol-d6	6.43	99	1150107	94.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	704607	70.15	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	193389	91.31	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1012861	71.48	ng	0.00
78) Terphenyl-d14	12.89	244	755762	61.09	ng	0.00

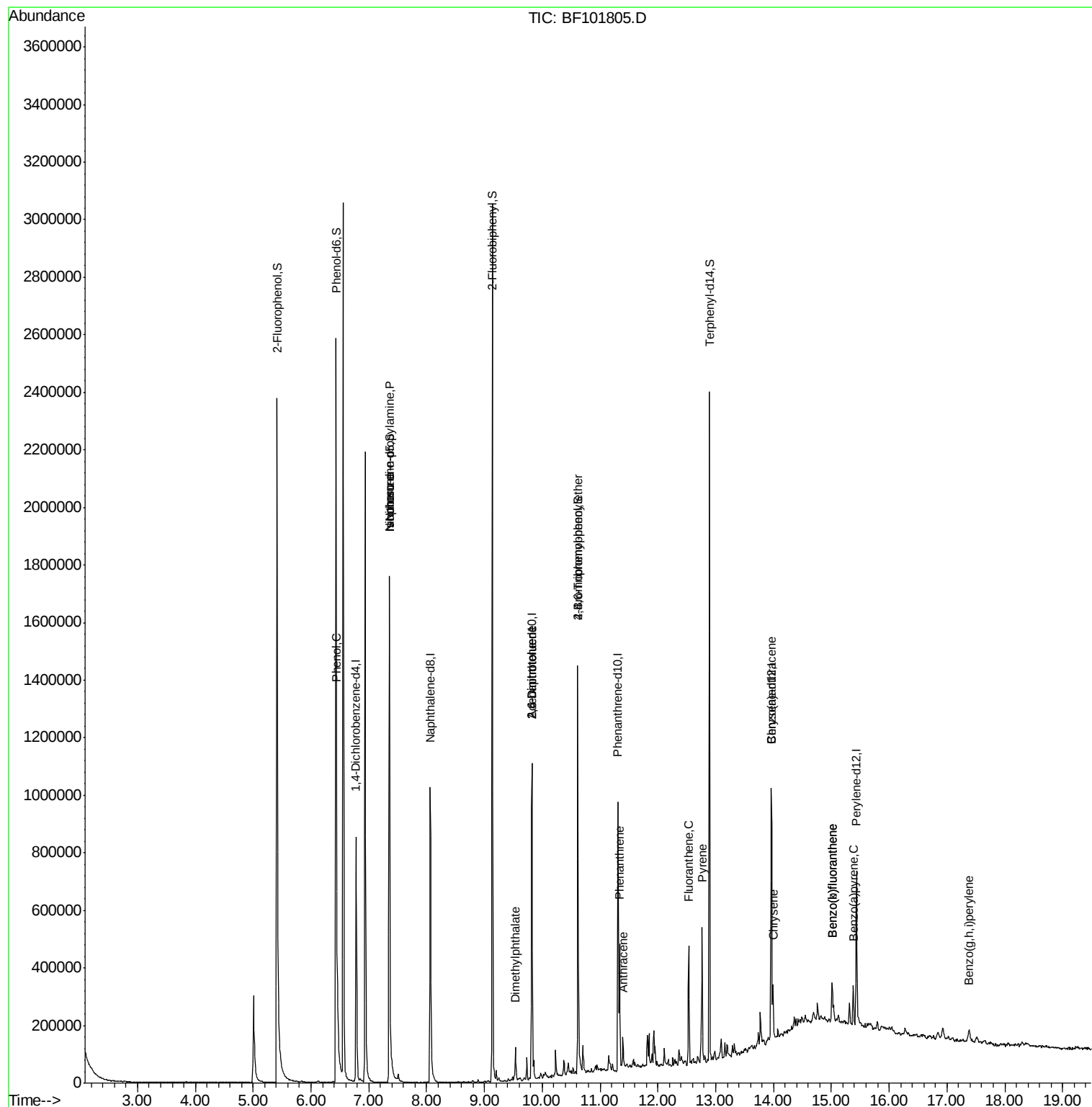
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	42528	3.054	ng	# 63
19) n-Nitroso-di-n-propylamine	7.36	70	91111	11.354	ng	# 83
25) Isophorone	7.36	82	704607	34.968	ng	# 64
49) Dimethylphthalate	9.54	163	52025	2.943	ng	# 98
50) 2,6-Dinitrotoluene	9.82	165	28206	7.849	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	28206	6.967	ng	# 24
66) 4-Bromophenyl-phenylether	10.62	248	12108	3.128	ng	# 1
70) Phenanthrene	11.34	178	186287	9.723	ng	96
71) Anthracene	11.40	178	52811	2.698	ng	97
74) Fluoranthene	12.53	202	159374	7.925	ng	98
77) Pyrene	12.76	202	187078	8.358	ng	100
80) Benzo(a)anthracene	13.96	228	78264	3.974	ng	99
82) Chrysene	13.99	228	73725	3.965	ng	99
87) Benzo(b)fluoranthene	15.02	252	86928	5.182	ng	# 95
88) Benzo(k)fluoranthene	15.02	252	86928	5.329	ng	# 95
89) Benzo(a)pyrene	15.38	252	53757	3.476	ng	# 91
91) Benzo(a,h,i)perylene	17.39	276	30236	2.300	ng	96

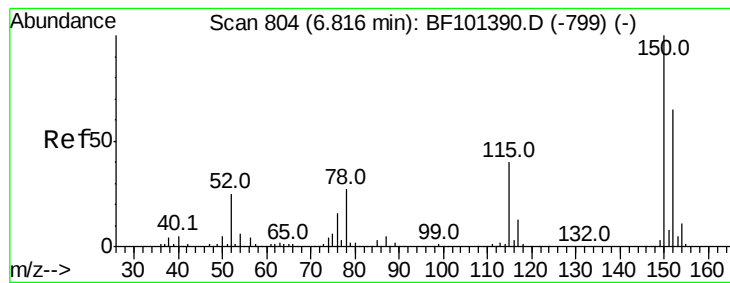
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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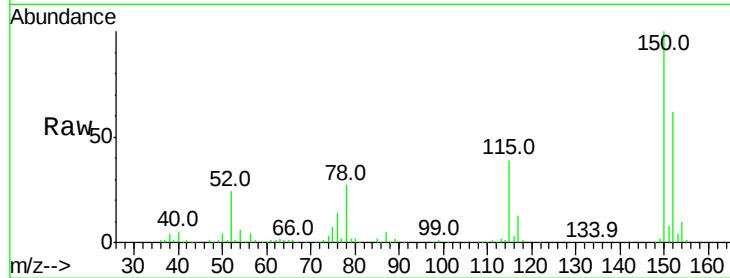


#1

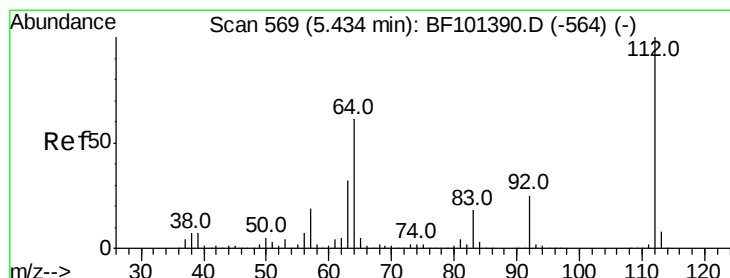
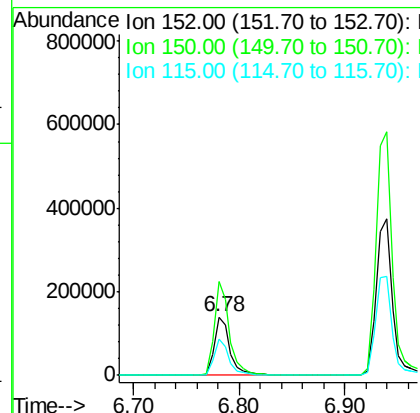
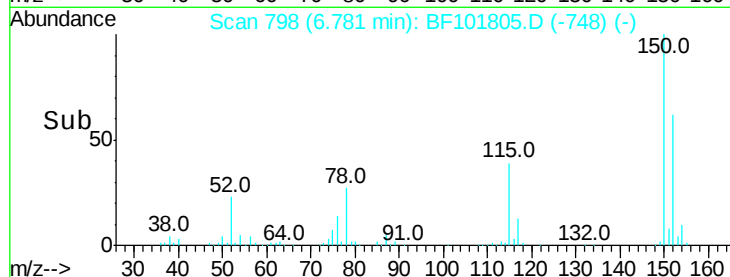
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146244
Ion Ratio Lower Upper
152 100
150 160.3 124.6 186.8
115 62.8 50.1 75.1



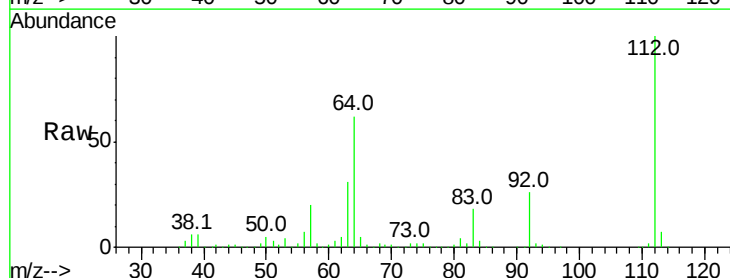
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



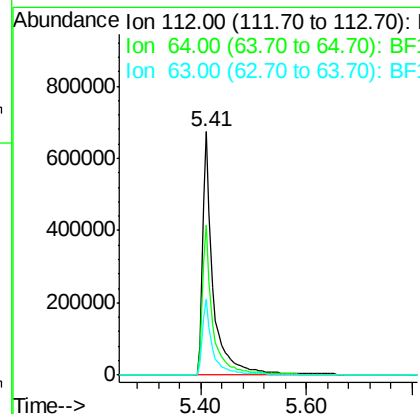
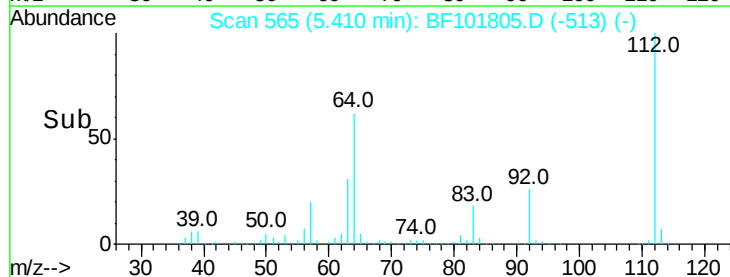
#5

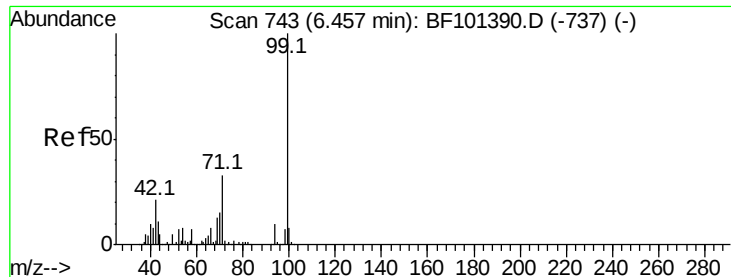
2-Fluorophenol
Concen: 98.965 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion:112 Resp: 971616
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 31.2 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: 94.127 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

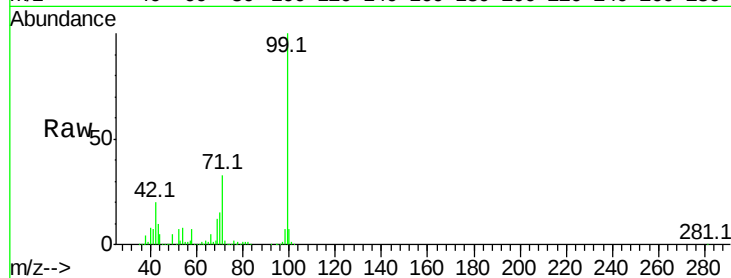
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1150107

Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	32.7	25.4	38.0

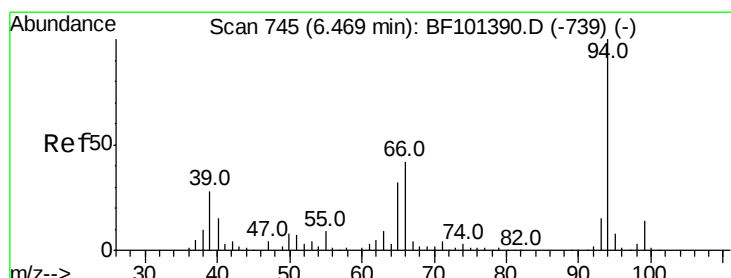
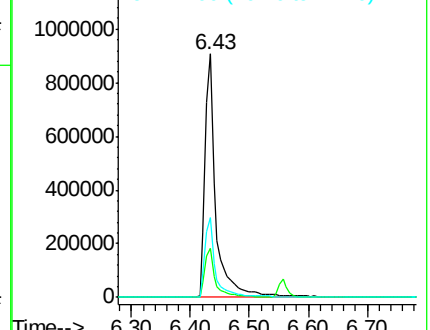
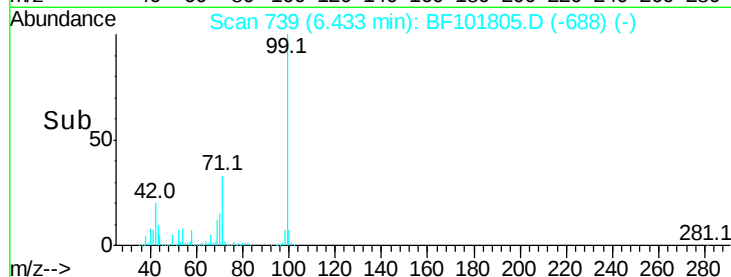


Abundance

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: 3.054 ng

RT: 6.45 min Scan# 741

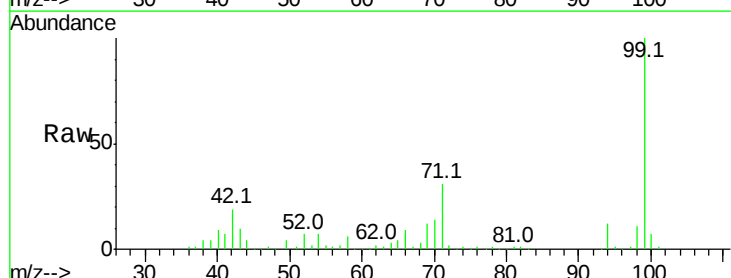
Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Tgt Ion: 94 Resp: 42528

Ion	Ratio	Lower	Upper
94	100		
65	34.7	7.9	47.9
66	69.2	16.2	56.2

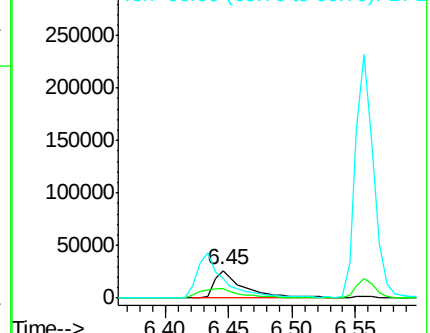
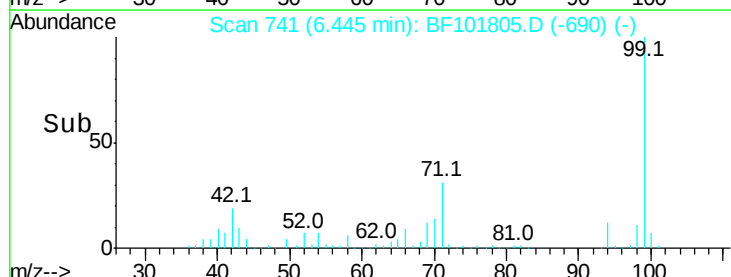


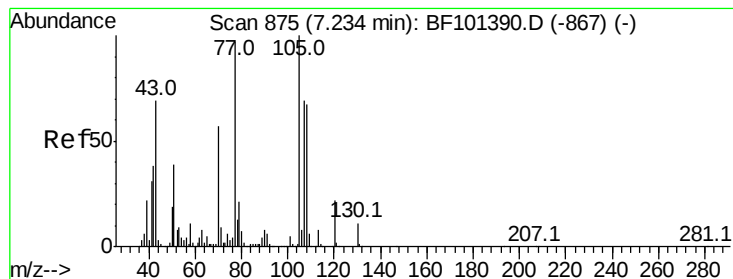
Abundance

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: 11.354 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101805.D

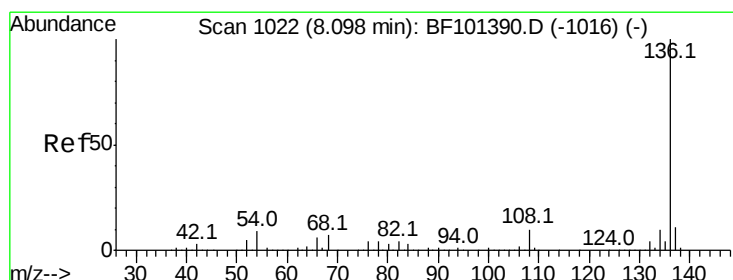
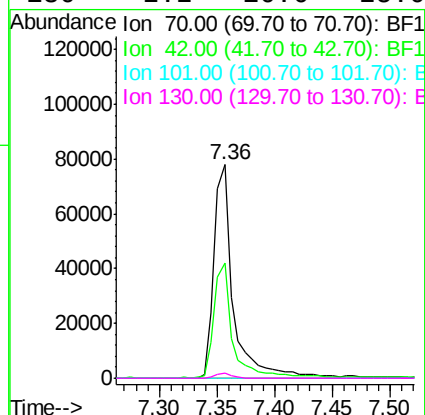
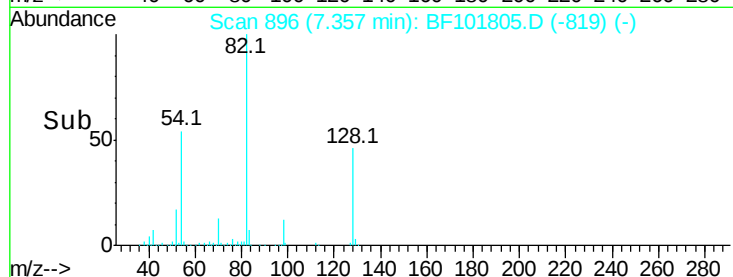
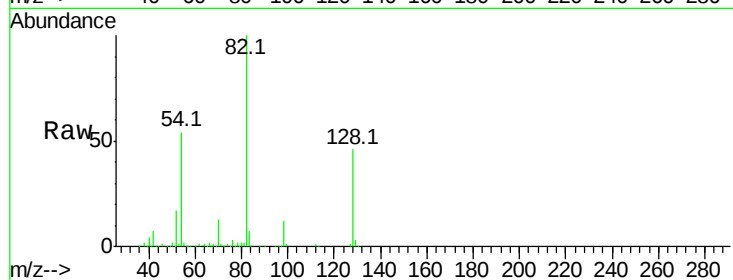
Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	91111
Ion	Ratio	Lower	Upper
70	100		
42	53.7	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

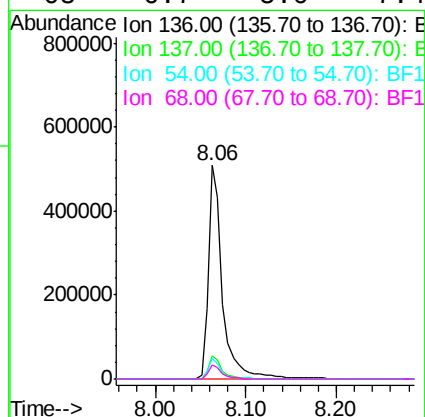
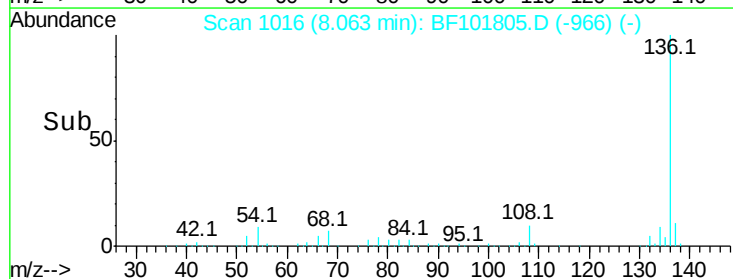
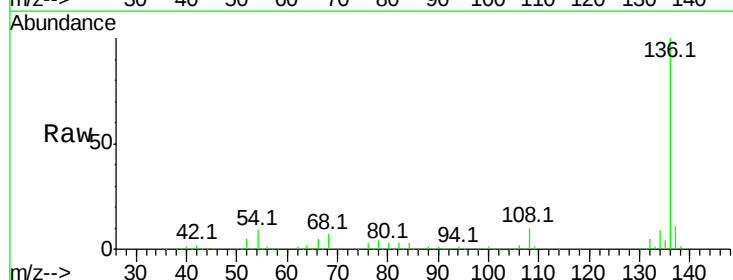
RT: 8.06 min Scan# 1016

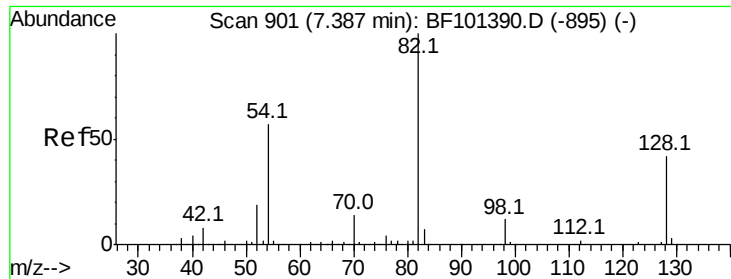
Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Tgt Ion:	136	Resp:	559139
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	6.6	9.8
68	6.7	5.0	7.4

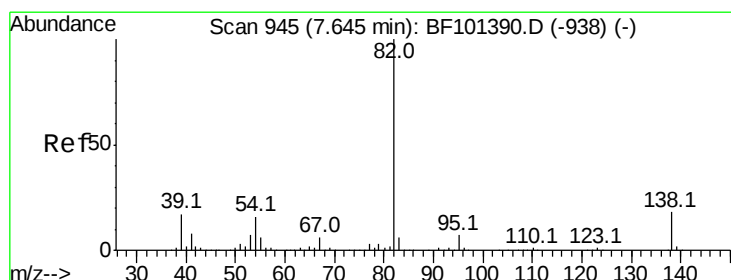
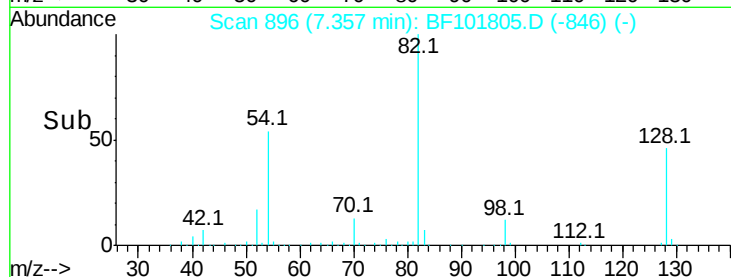
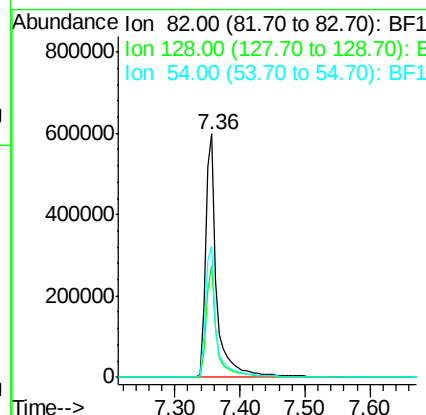
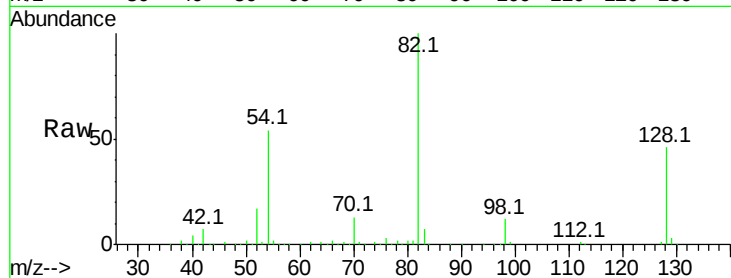




#23
 Nitrobenzene-d5
 Concen: 70.148 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

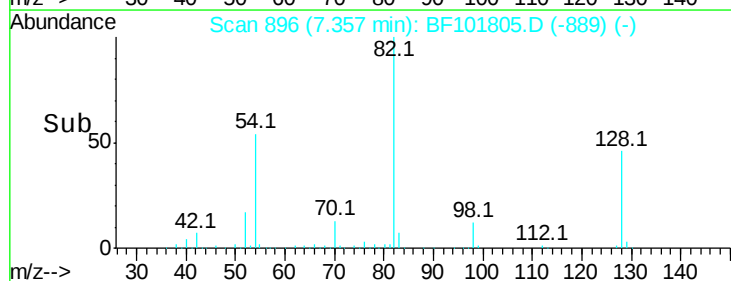
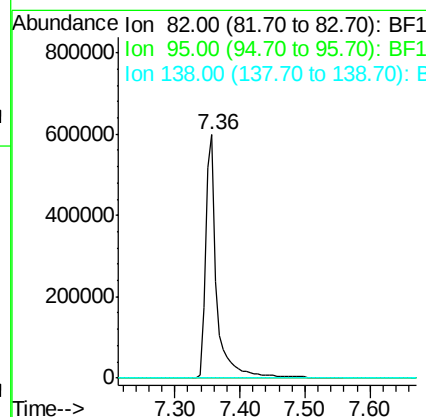
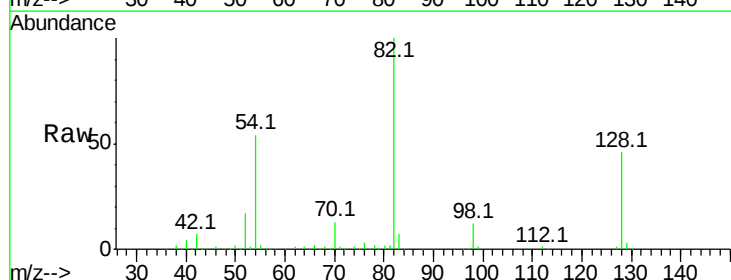
Instrument :
 BNA_F
 ClientSampled :

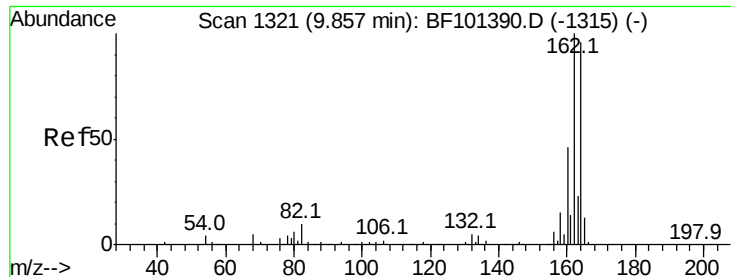
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	53.9	41.4	62.2



#25
 Isophorone
 Concen: 34.968 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

ClientSampleId :

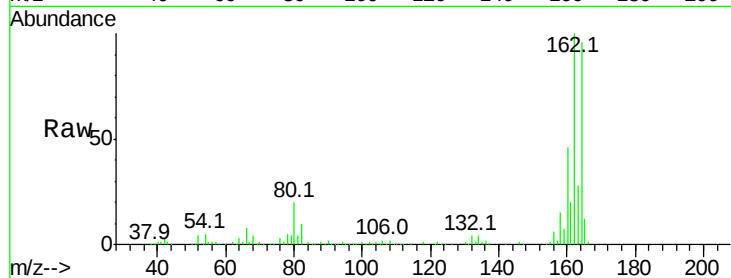
Tot Ion:164 Resp: 219804

Ion Ratio Lower Upper

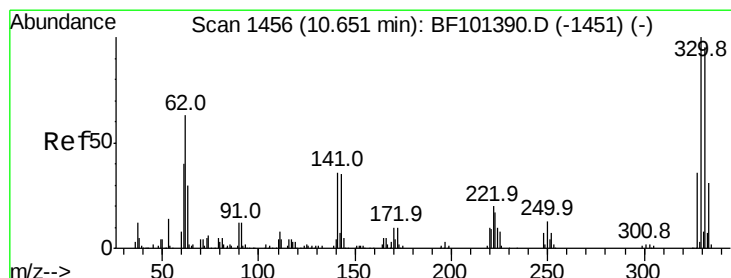
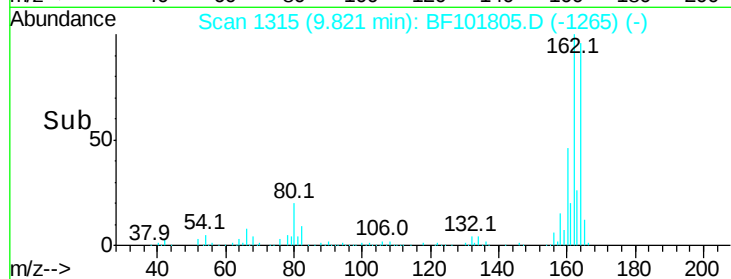
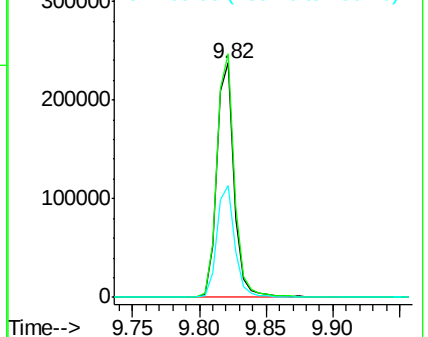
164 100

162 103.9 86.1 129.1

160 47.8 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: 91.308 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

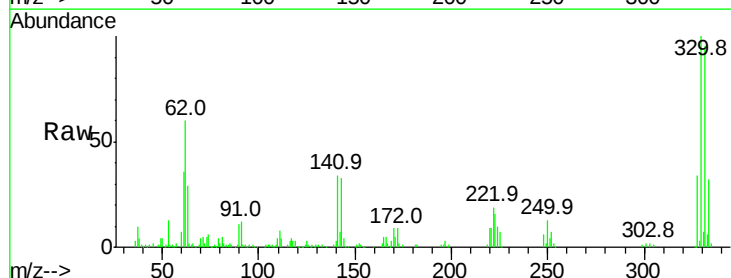
Tgt Ion:330 Resp: 193389

Ion Ratio Lower Upper

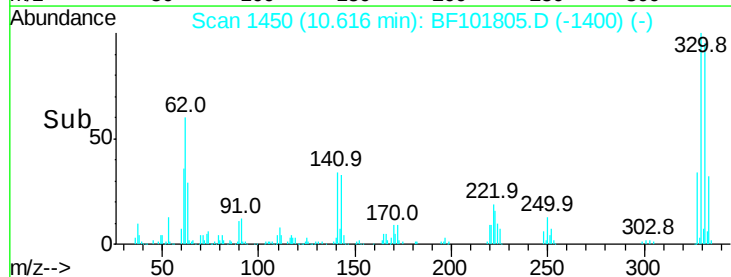
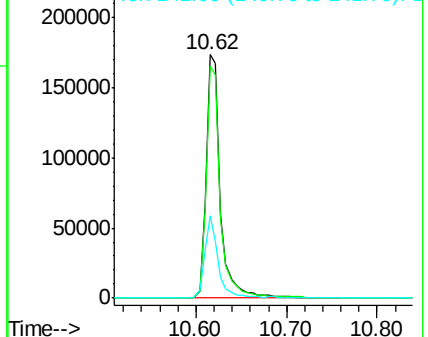
330 100

332 95.0 77.0 115.6

141 31.9 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



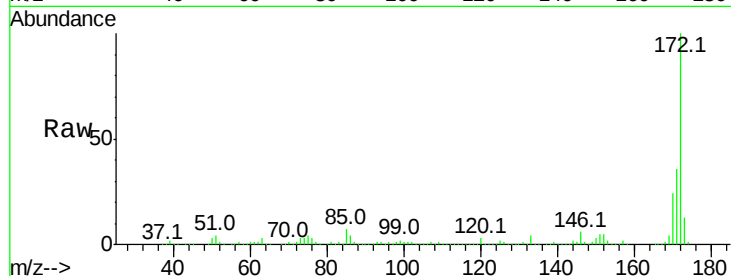


#44
 2-Fluorobiphenyl
 Concen: 71.481 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

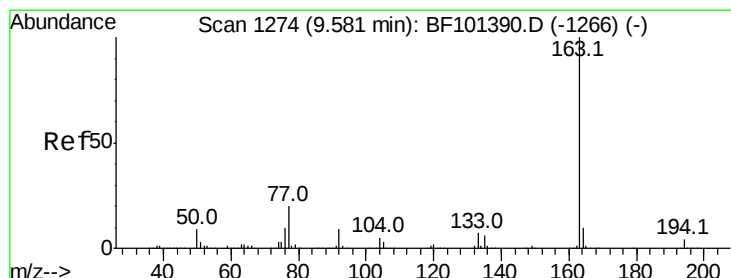
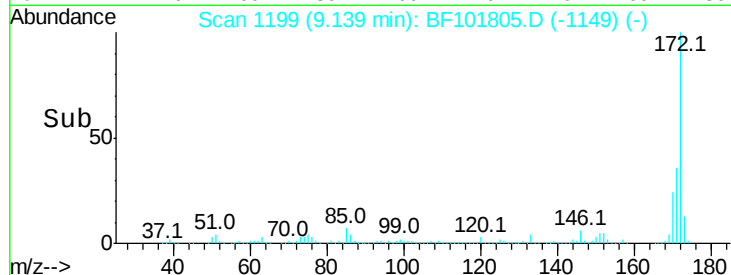
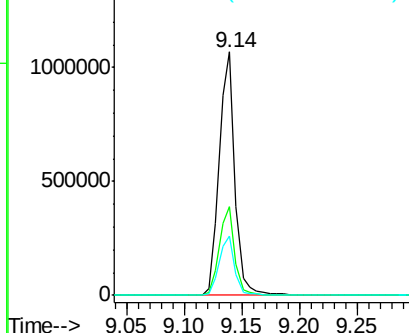
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1012861

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4



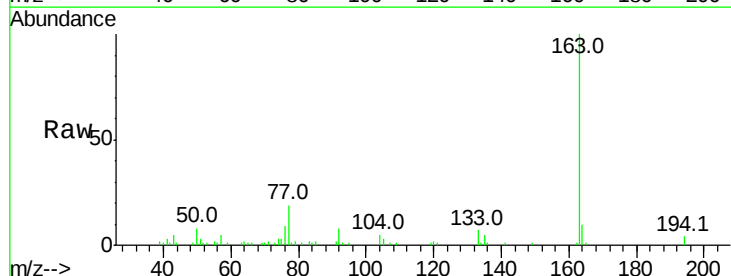
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



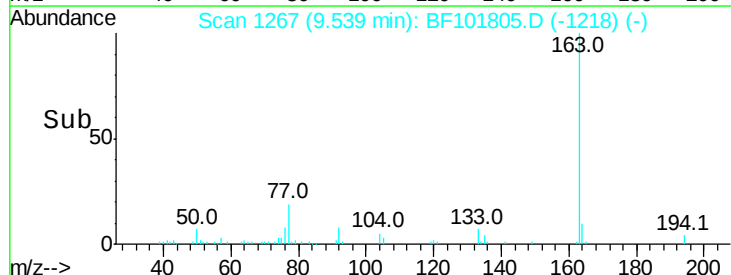
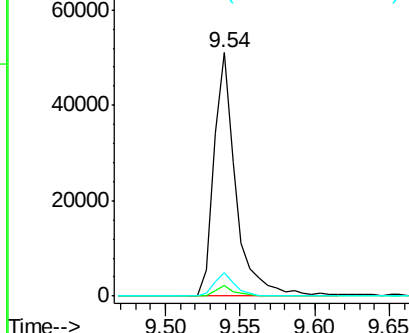
#49
 Dimethylphthalate
 Concen: 2.943 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

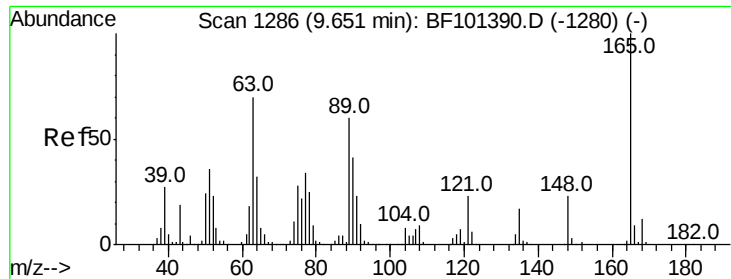
Tgt Ion:163 Resp: 52025

Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.7	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

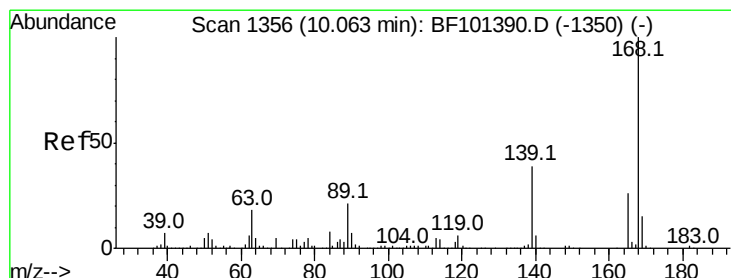
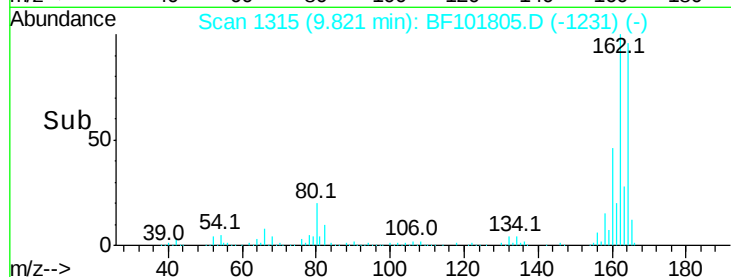
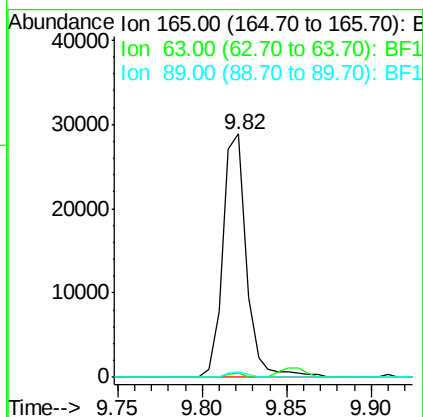
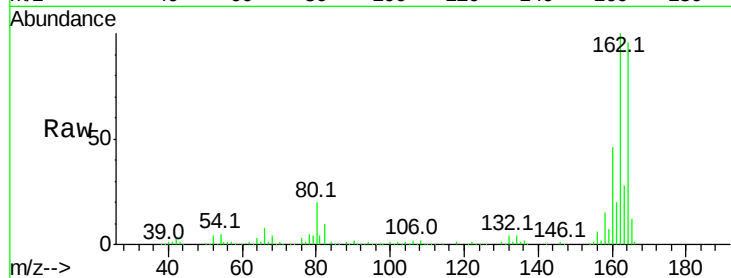




#50
 2,6-Dinitrotoluene
 Concen: 7.849 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

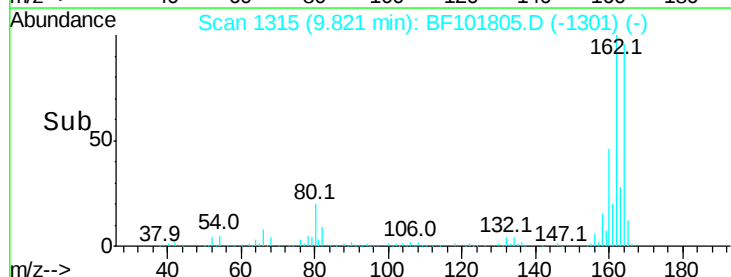
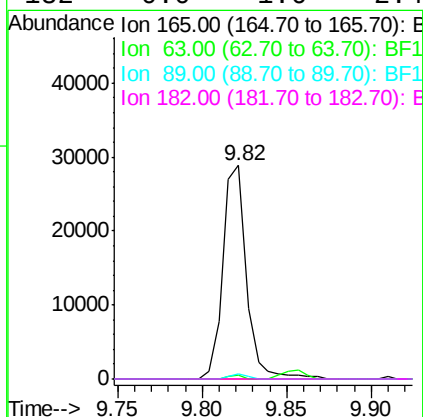
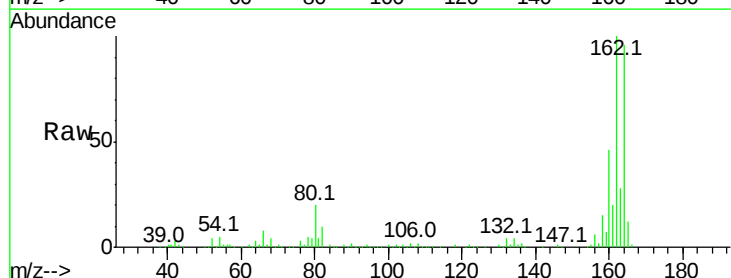
Instrument :
 BNA_F
 ClientSampleId :

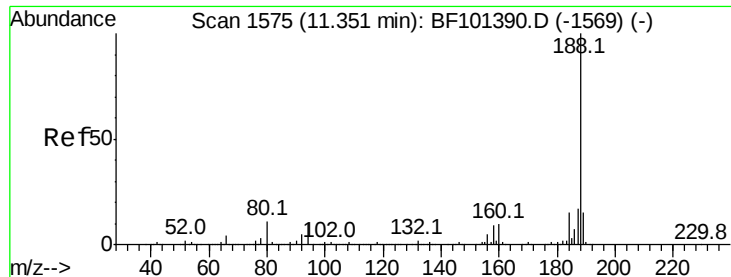
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	2.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.967 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#

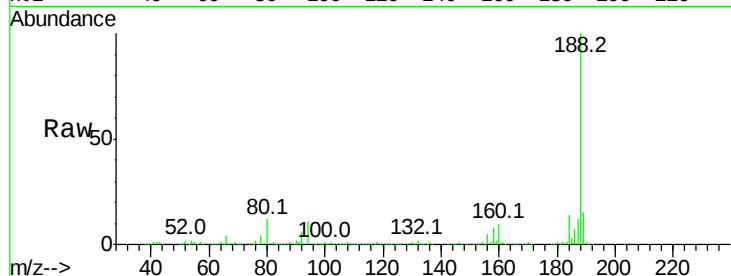




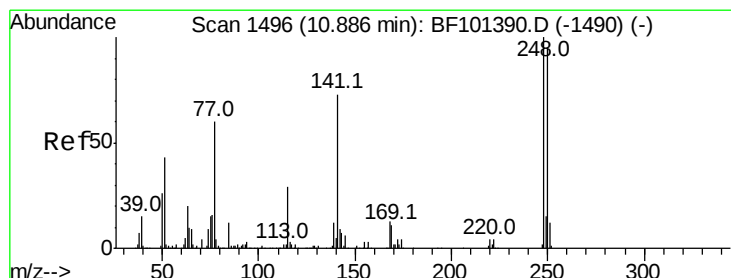
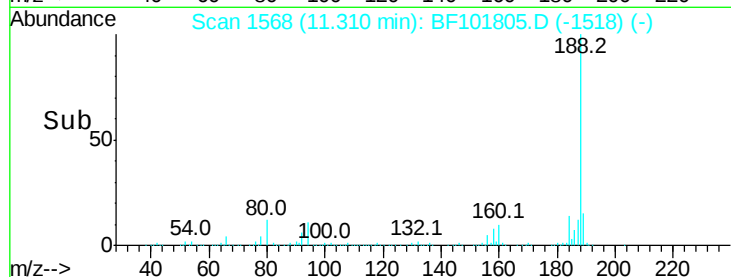
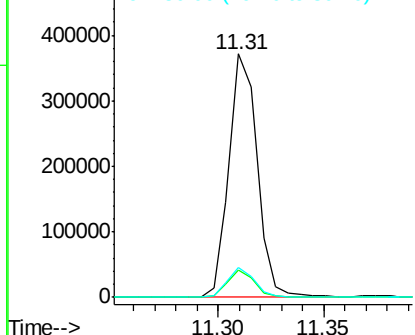
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 344536
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.1 9.2 13.8

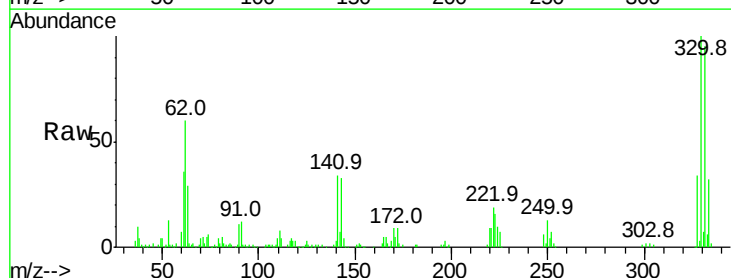


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

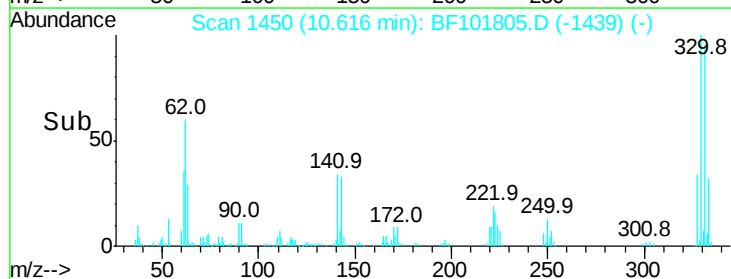
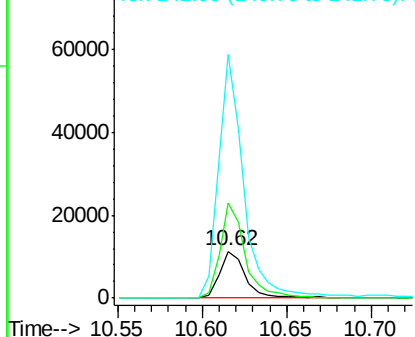


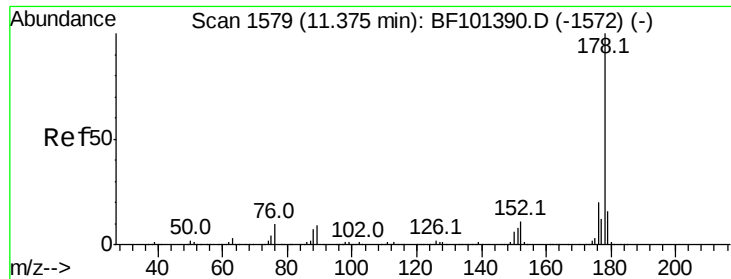
#66
4-Bromophenyl-phenylether
Concen: 3.128 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion:248 Resp: 12108
Ion Ratio Lower Upper
248 100
250 203.2 76.9 115.3#
141 521.4 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: 9.723 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

ClientSampled :

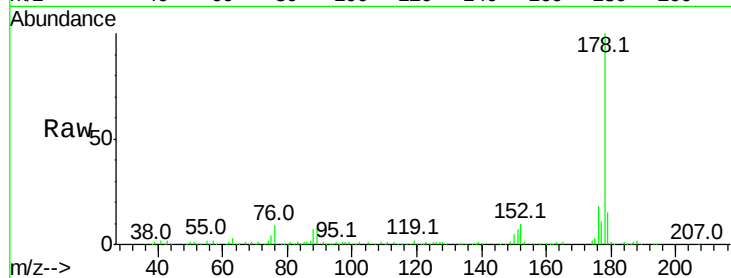
Tot Ion:178 Resp: 186287

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

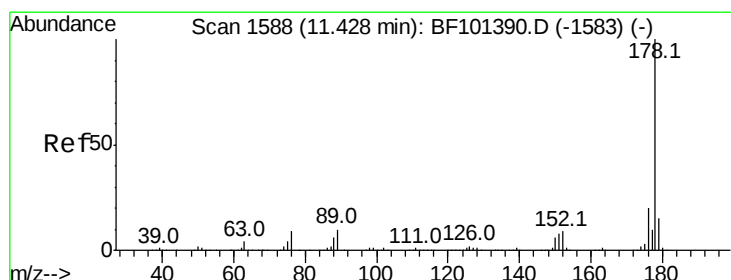
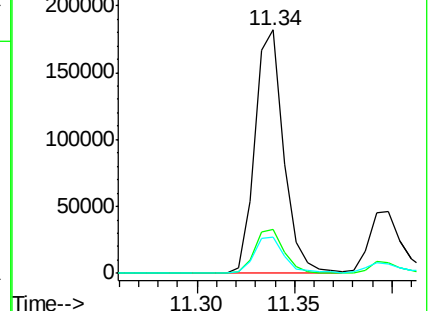
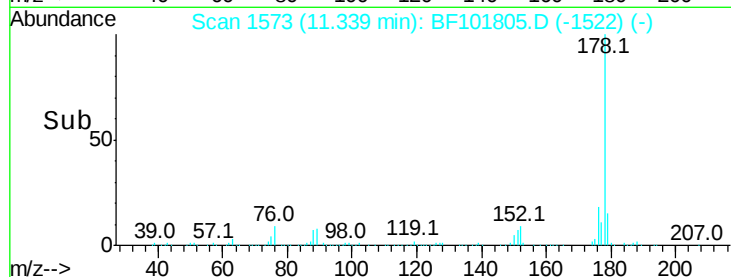
179 14.9 13.0 19.6



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



#71

Anthracene

Concen: 2.698 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

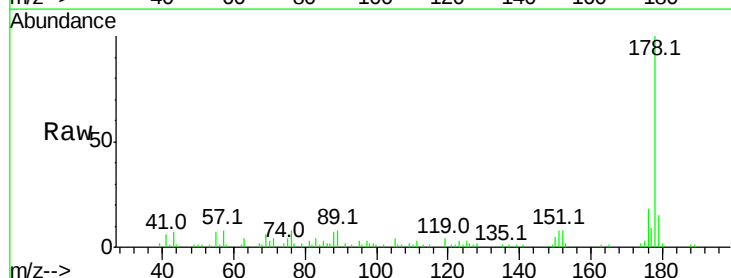
Tgt Ion:178 Resp: 52811

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

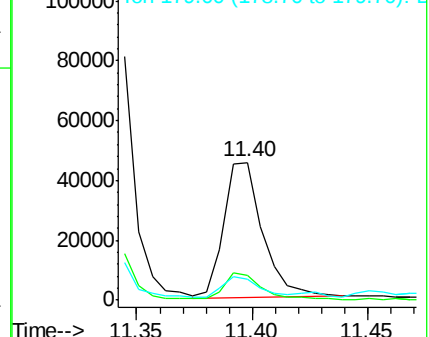
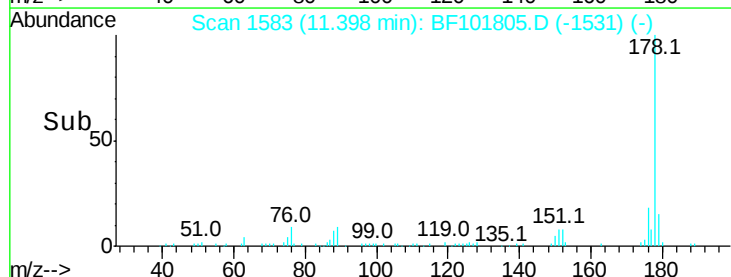
179 14.7 12.6 19.0

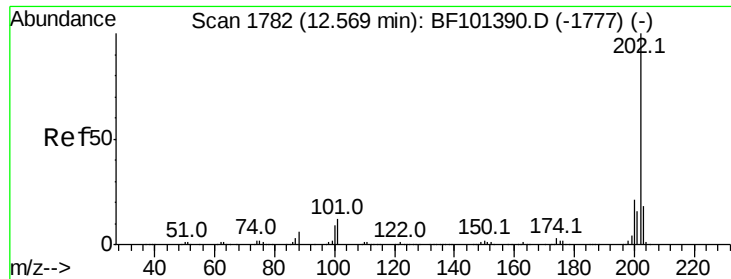


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.925 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

ClientSampleId :

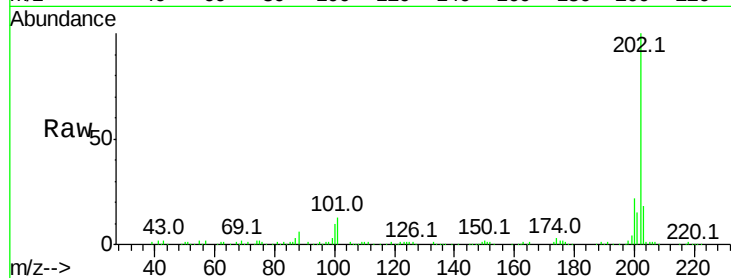
Tot Ion:202 Resp: 159374

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

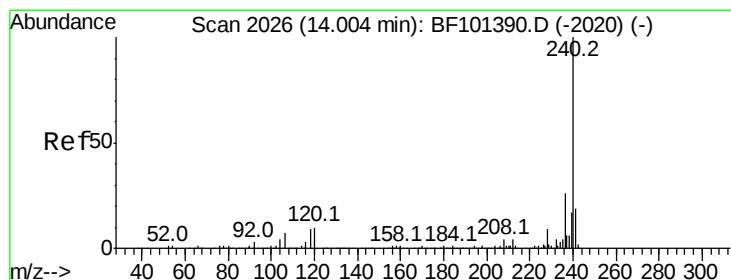
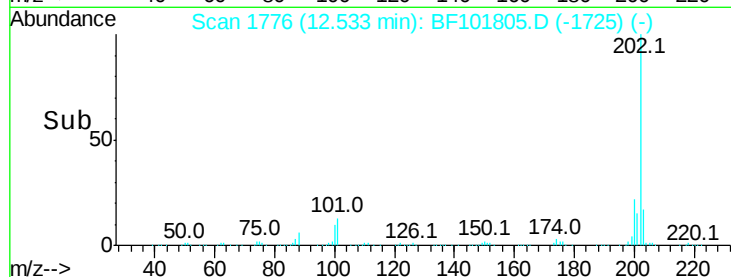
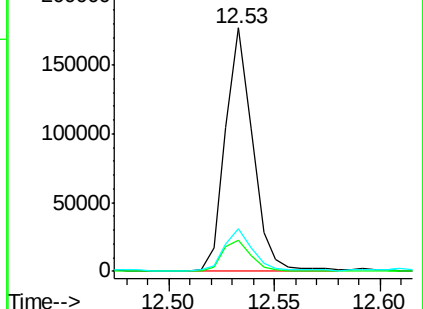
203 17.7 0.0 38.1



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# 2019

Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

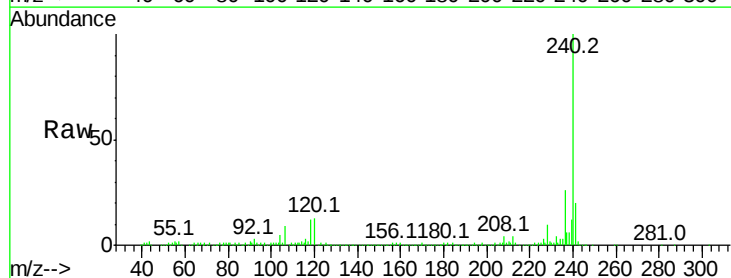
Tgt Ion:240 Resp: 298258

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

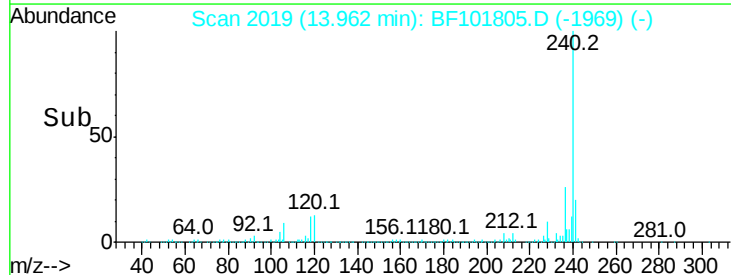
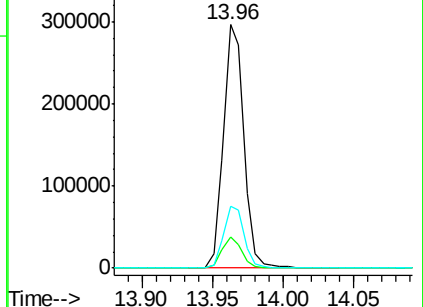
236 25.7 20.7 31.1

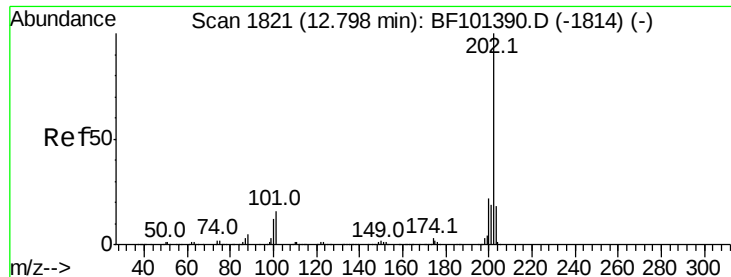


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.358 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

ClientSampleId :

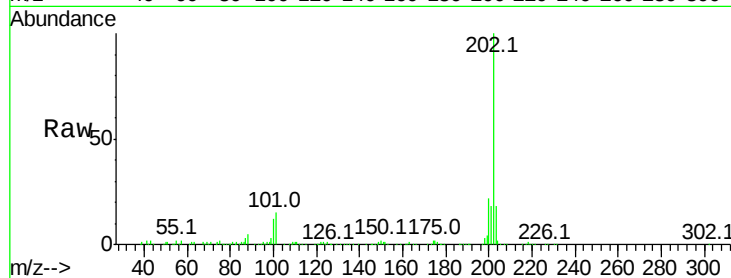
Tot Ion:202 Resp: 187078

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

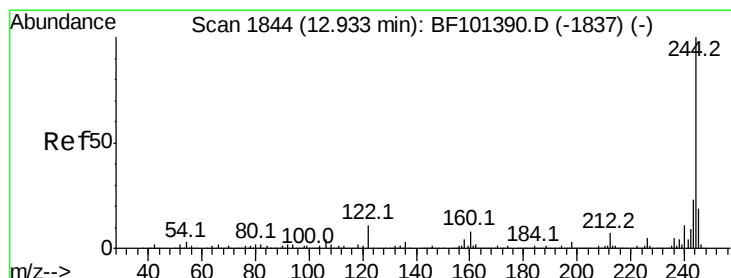
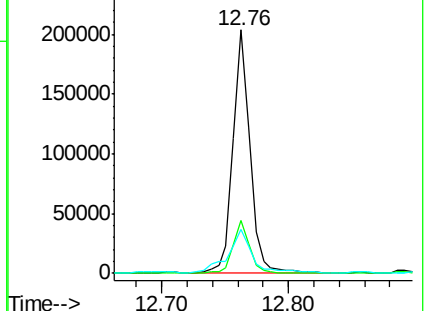
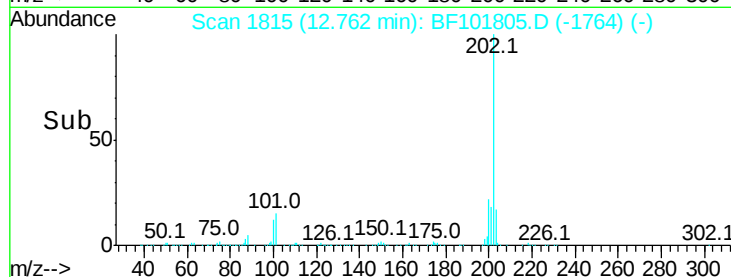
203 17.9 14.3 21.5



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: 61.087 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

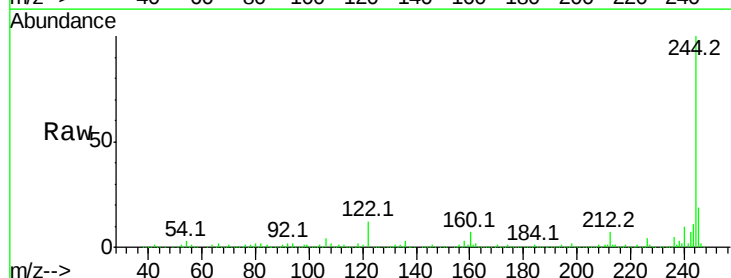
Tgt Ion:244 Resp: 755762

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

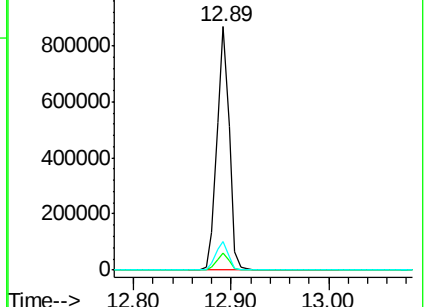
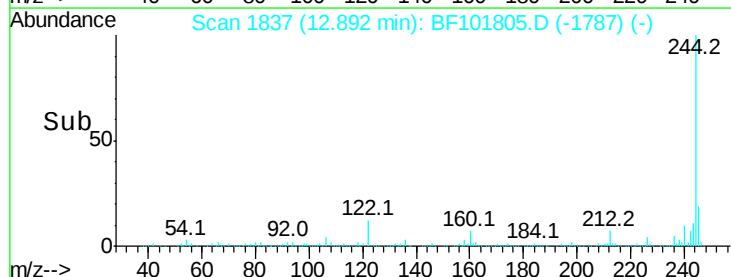
122 11.6 11.0 16.4

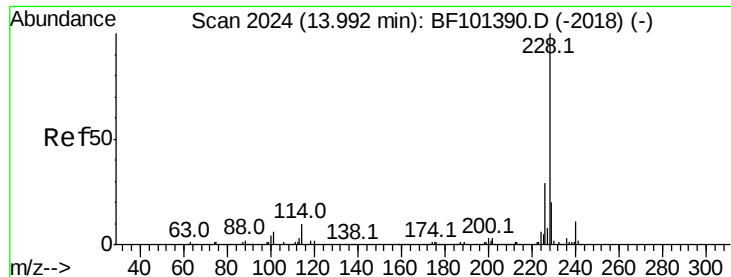


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.974 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

ClientSampleId :

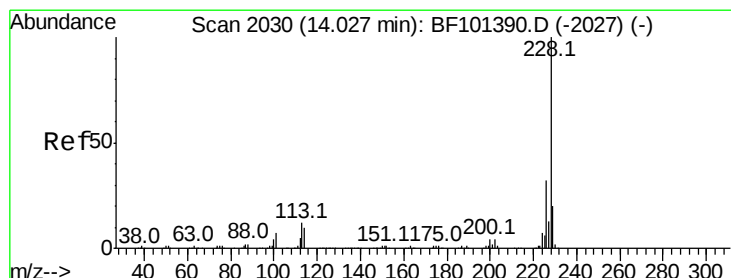
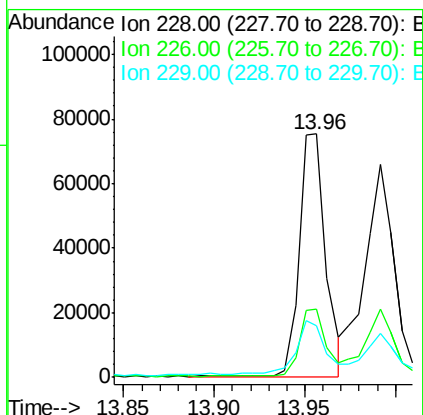
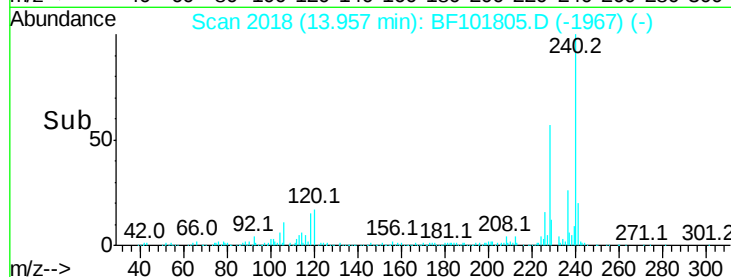
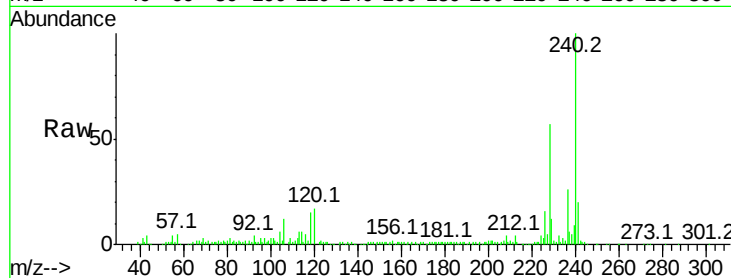
Tot Ion:228 Resp: 78264

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

229 21.1 15.8 23.6



#82

Chrysene

Concen: 3.965 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

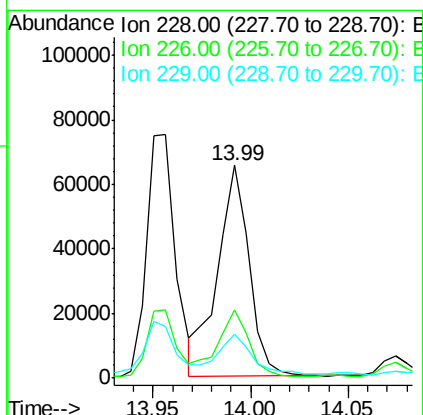
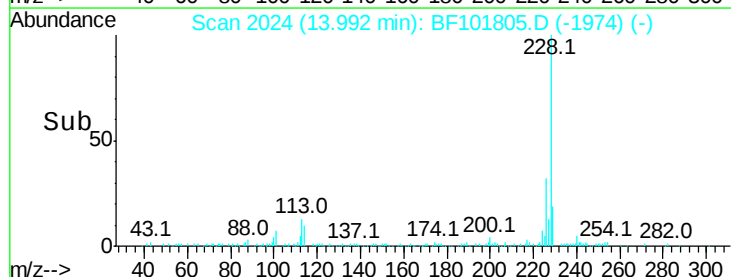
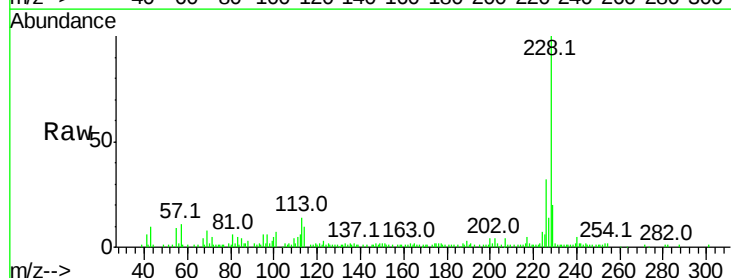
Tgt Ion:228 Resp: 73725

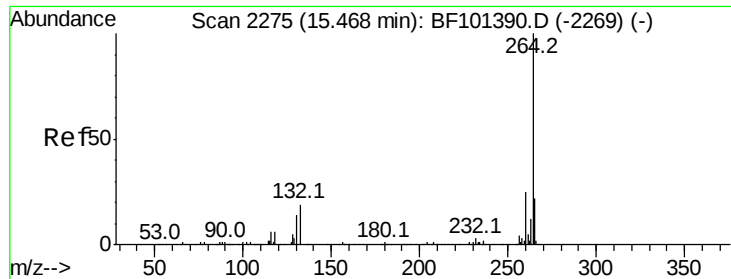
Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

229 20.5 16.2 24.4

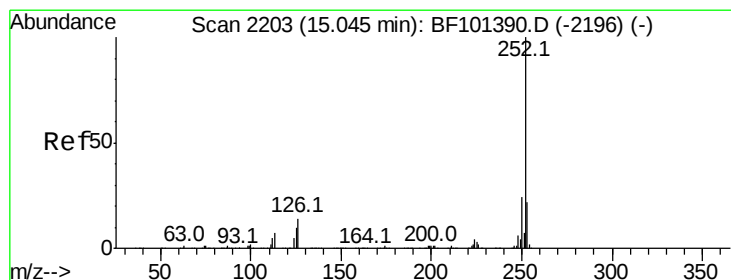
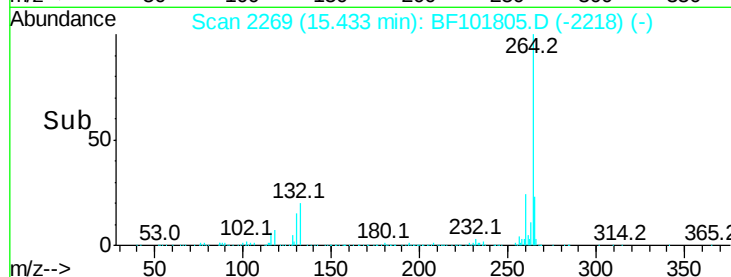
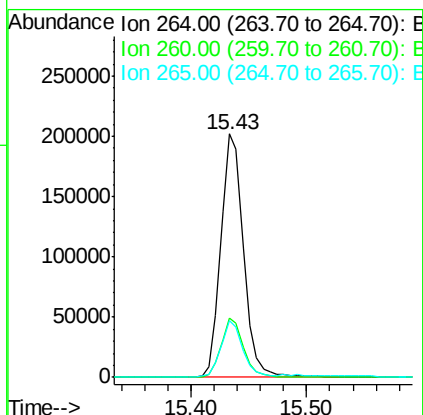
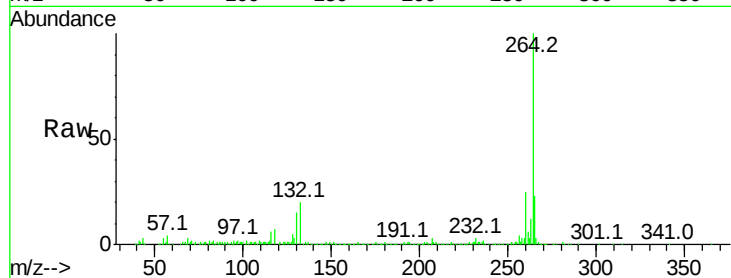




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

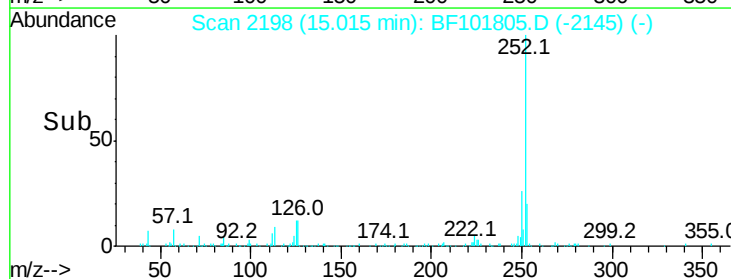
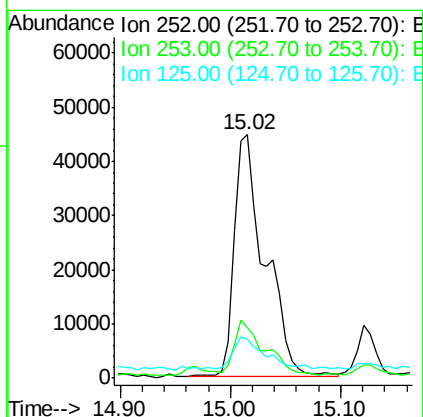
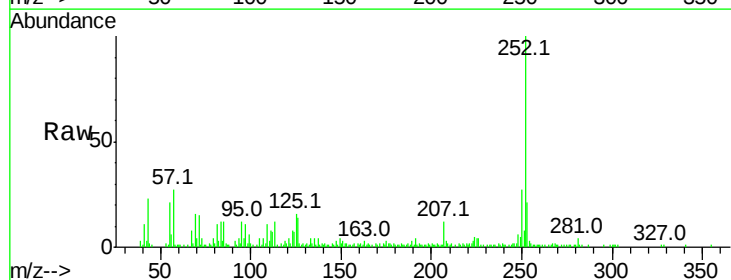
Instrument :
BNA_F
ClientSampled :

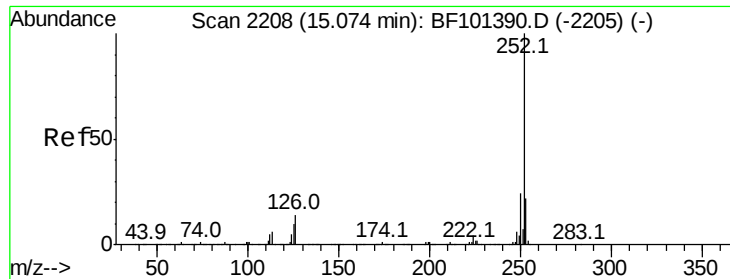
Tot Ion:264 Resp: 275238
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 23.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.182 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion:252 Resp: 86928
Ion Ratio Lower Upper
252 100
253 20.7 17.0 25.6
125 16.2 9.0 13.6#

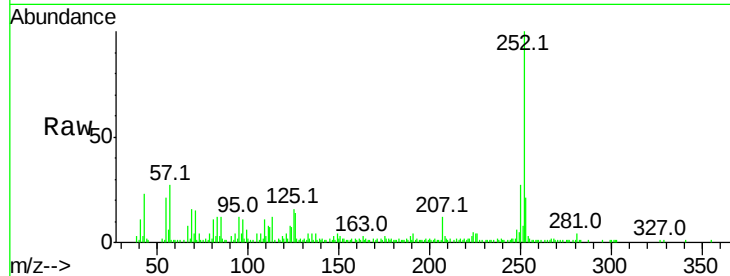




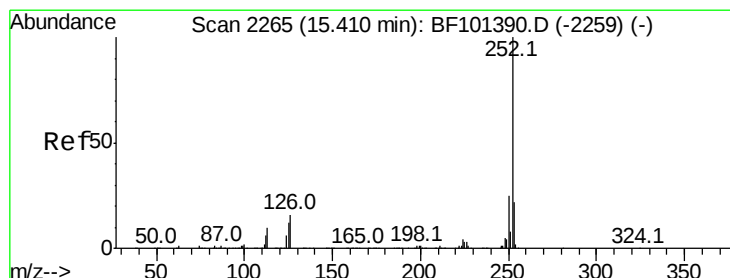
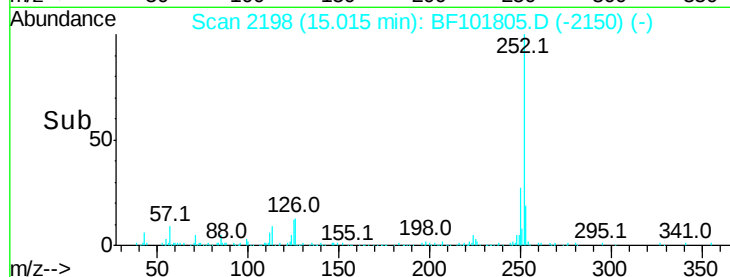
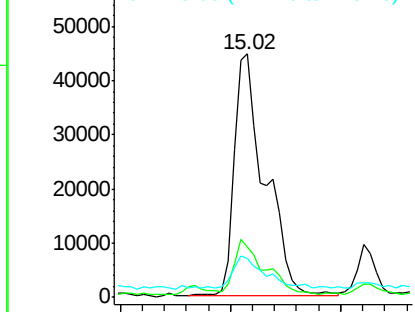
#88
Benzo(k)fluoranthene
Concen: 5.329 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.9	26.9
125	16.2	10.2	15.2

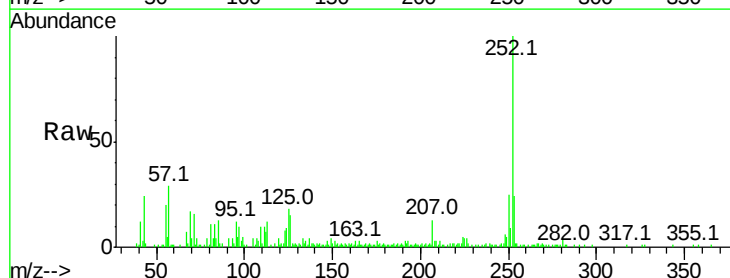


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

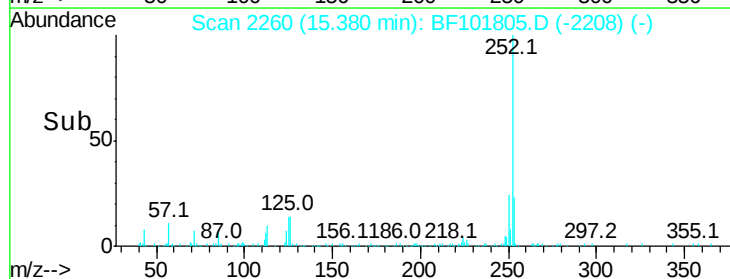
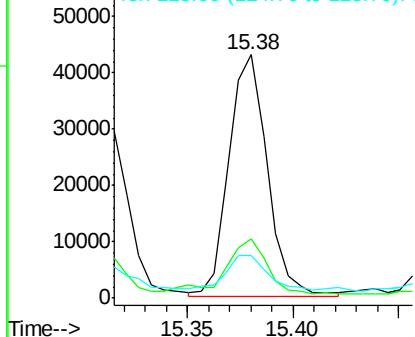


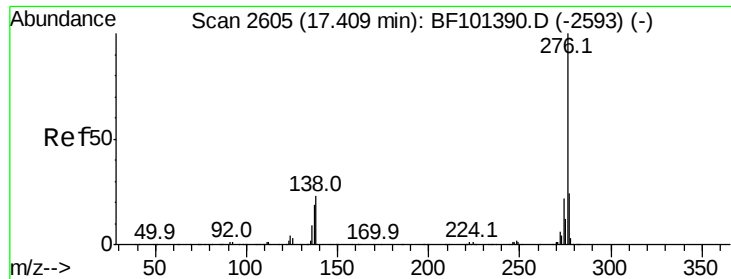
#89
Benzo(a)pyrene
Concen: 3.476 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	17.5	9.8	14.6



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





#91
 Benzo(a,h,i)perylene
 Concen: 2.300 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.04 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.5	17.9	26.9	
138	29.9	21.8	32.8	

