

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101787.D
 Acq On : 28 Dec 2017 3:37
 Operator : SJ/JU
 Sample : I7069-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 06:28:54 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	6.79	152	167357	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	643008	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	253447	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	388021	20.00	ng	0.00
75) Chrysene-d12	13.97	240	311388	20.00	ng	0.00
86) Perylene-d12	15.45	264	282135	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1111827	98.96	ng	0.01
7) Phenol-d6	6.44	99	1329227	95.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	827785	71.66	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	230034	94.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1153455	70.60	ng	0.00
78) Terphenyl-d14	12.90	244	743036	57.53	ng	0.00

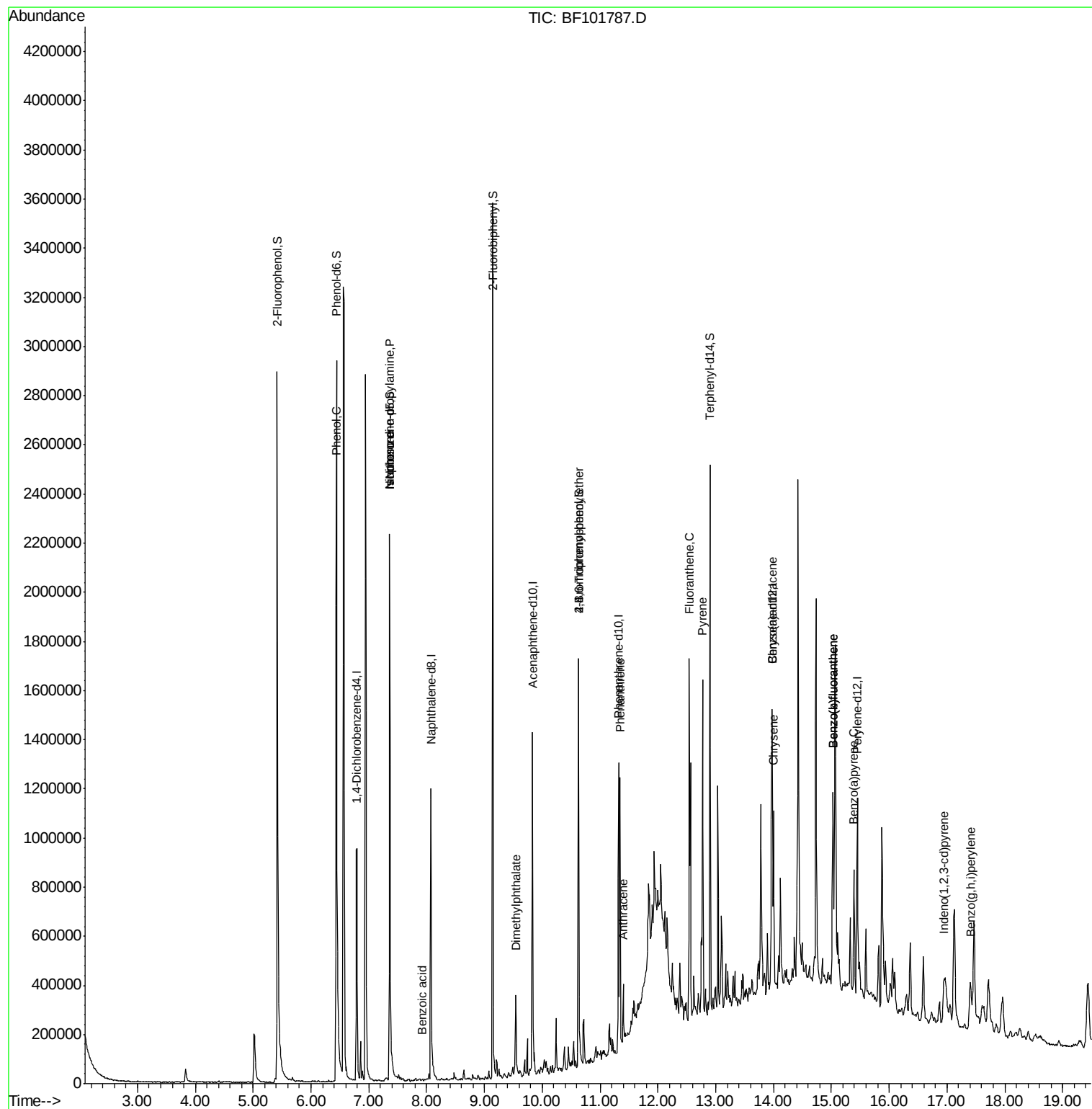
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	50197	3.150	ng	# 69
19) n-Nitroso-di-n-propylamine	7.36	70	111465	12.139	ng	# 80
25) Isophorone	7.36	82	827778	35.722	ng	# 64
32) Benzoic acid	7.92	122	113	7.976	ng	# 25
49) Dimethylphthalate	9.55	163	139661	6.851	ng	98
66) 4-Bromophenyl-phenylether	10.63	248	13870	3.181	ng	# 1
70) Phenanthrene	11.34	178	393035	18.214	ng	99
71) Anthracene	11.40	178	105122	4.769	ng	98
74) Fluoranthene	12.54	202	589571	26.030	ng	97
77) Pyrene	12.77	202	549448	23.511	ng	100
80) Benzo(a)anthracene	13.97	228	311760	15.162	ng	97
82) Chrysene	14.00	228	301971	15.554	ng	98
85) Indeno(1,2,3-cd)pyrene	16.95	276	113335	6.556	ng	# 88
87) Benzo(b)fluoranthene	15.02	252	408720	23.767	ng	# 97
88) Benzo(k)fluoranthene	15.02	252	408720	24.445	ng	99
89) Benzo(a)pyrene	15.39	252	219746	13.862	ng	96
91) Benzo(a,h,i)perylene	17.40	276	96457	7.157	ng	# 92

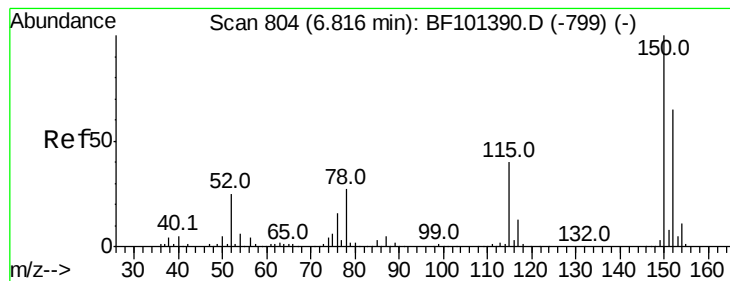
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

ClientSampleId :

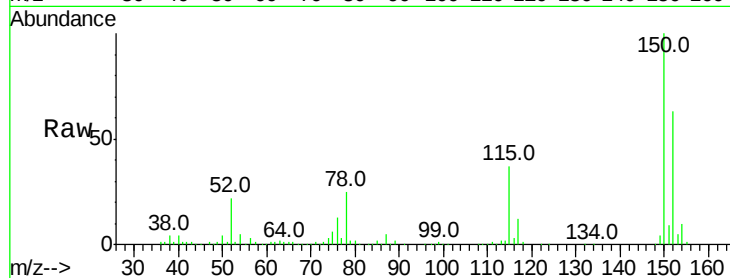
Tot Ion:152 Resp: 167357

Ion Ratio Lower Upper

152 100

150 158.2 124.6 186.8

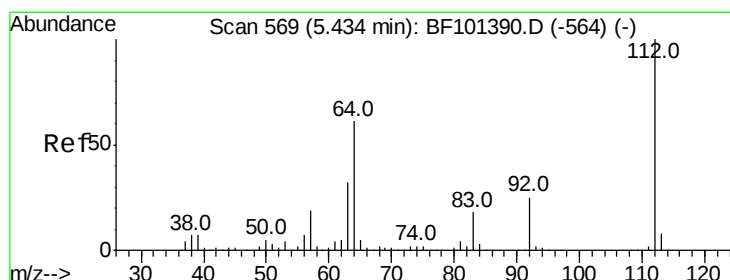
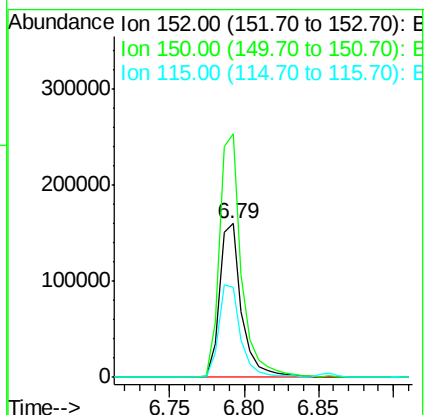
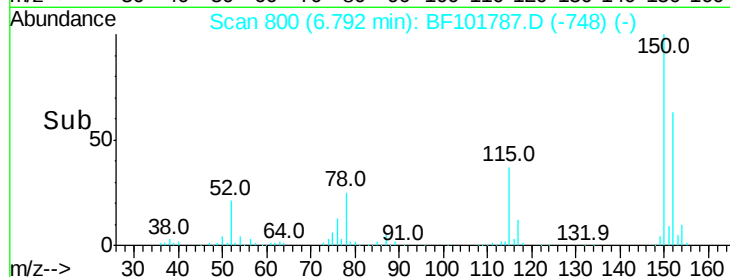
115 58.9 50.1 75.1



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: 98.959 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

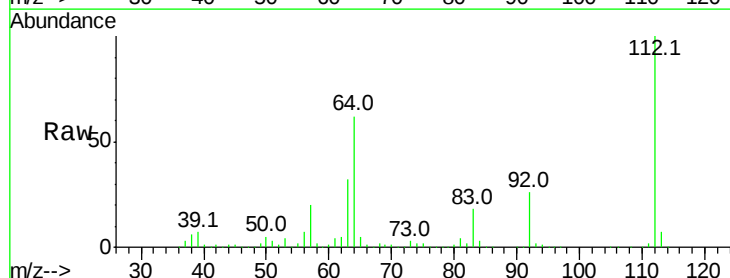
Tgt Ion:112 Resp: 1111827

Ion Ratio Lower Upper

112 100

64 62.1 47.9 71.9

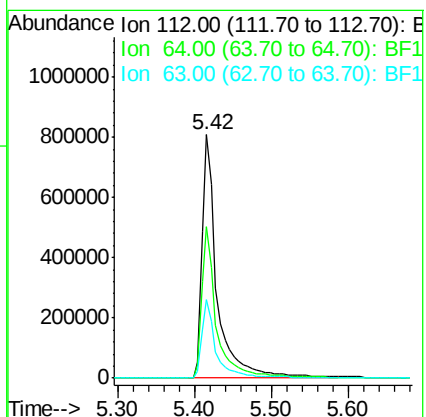
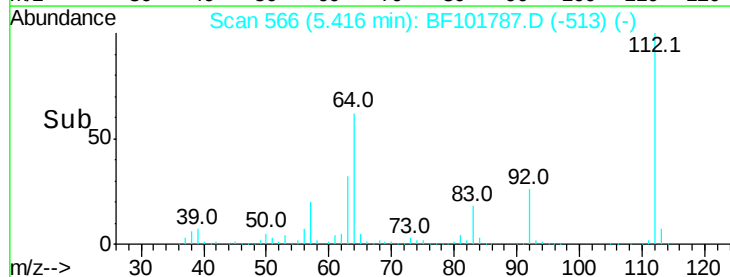
63 32.2 23.7 35.5

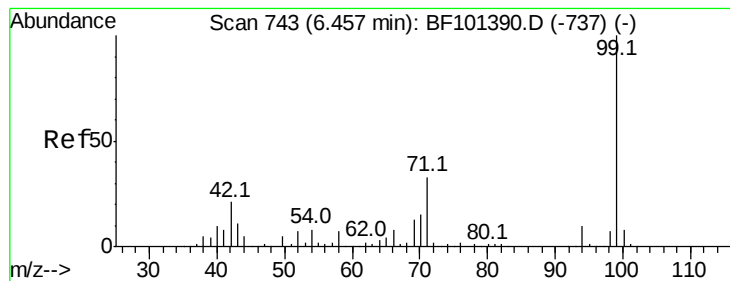


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.063 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

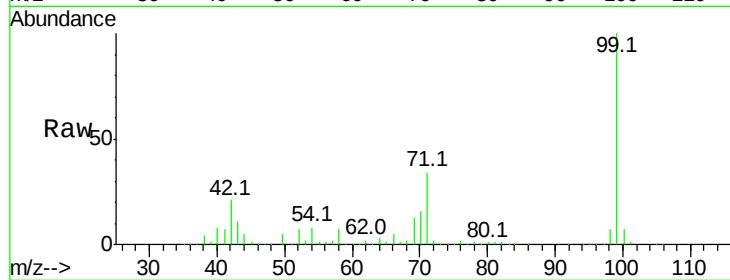
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1329227

Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.5	21.7
71	34.1	25.4	38.0

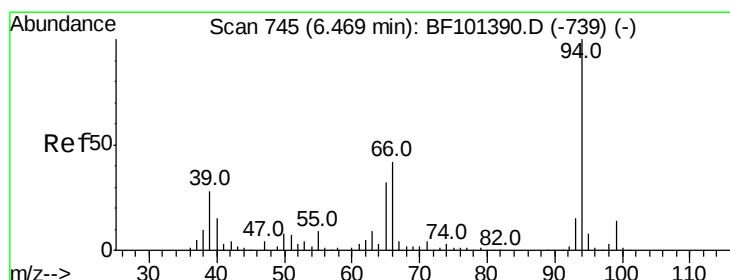
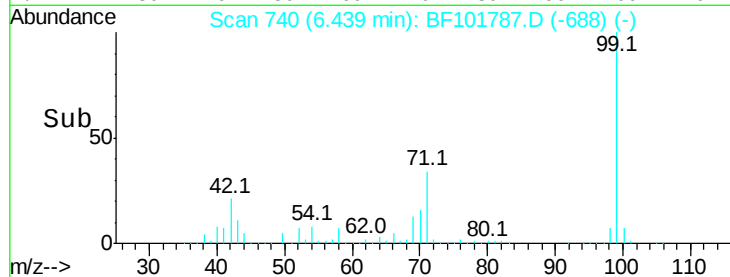


Abundance

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: 3.150 ng

RT: 6.45 min Scan# 742

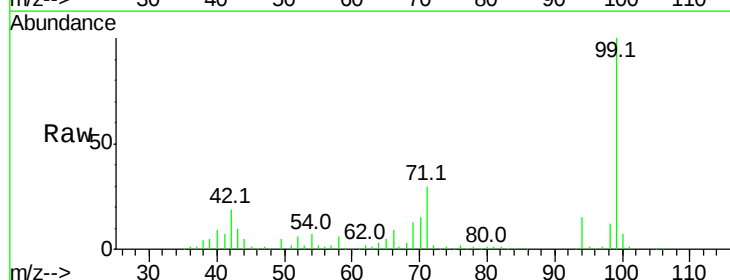
Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Tgt Ion: 94 Resp: 50197

Ion	Ratio	Lower	Upper
94	100		
65	34.5	7.9	47.9
66	62.9	16.2	56.2

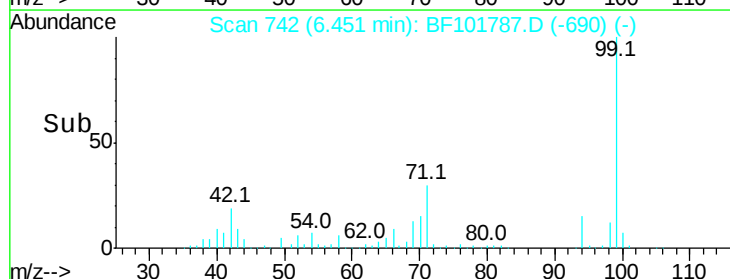


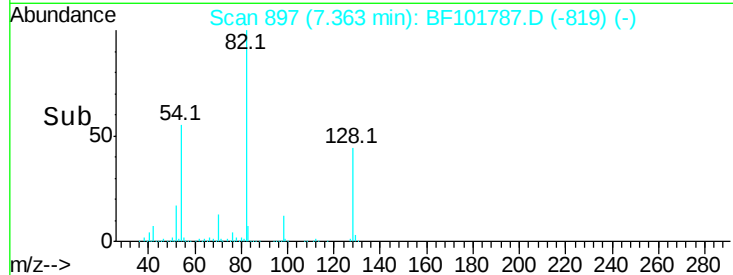
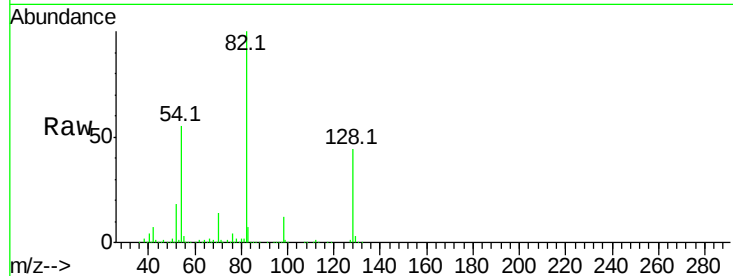
Abundance

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: 12.139 ng

RT: 7.36 min Scan# 897

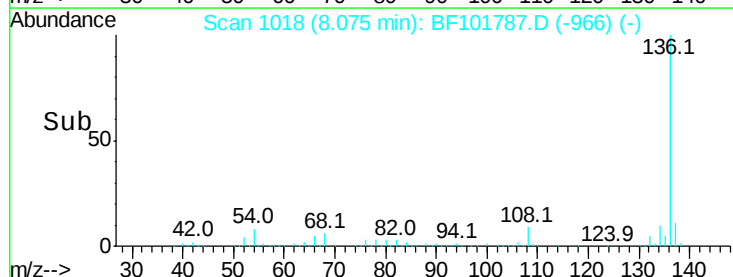
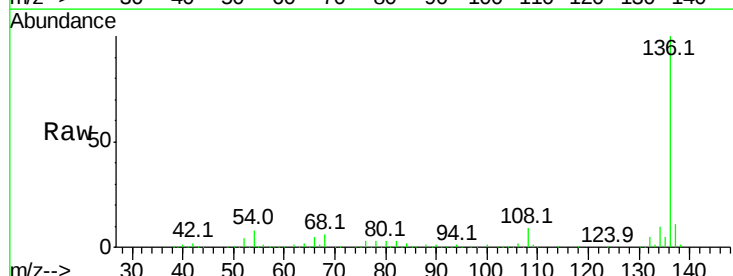
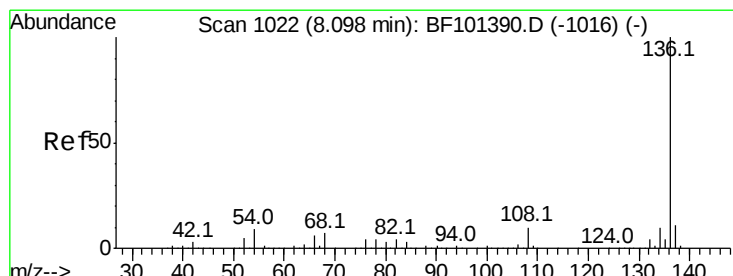
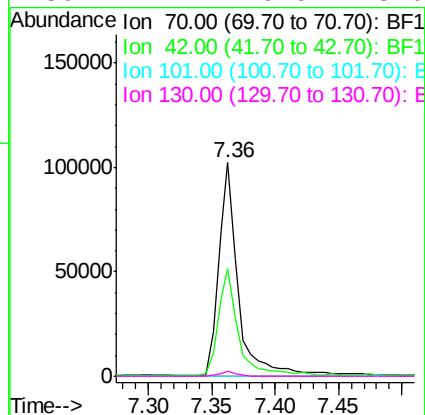
Delta R.T. 0.16 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	111465
Ion	Ratio	Lower	Upper
70	100		
42	50.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

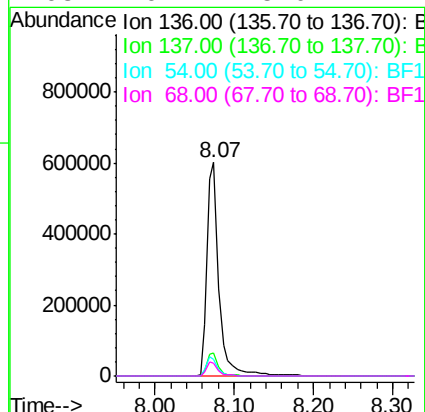
RT: 8.07 min Scan# 1018

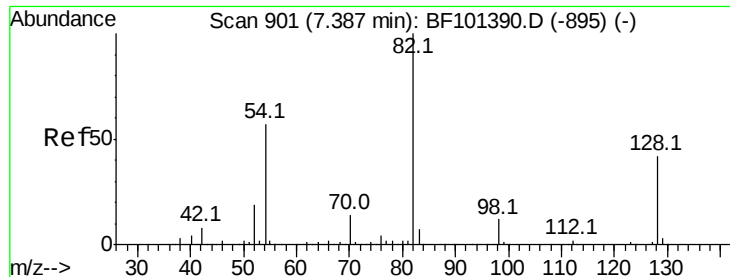
Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Tgt Ion:	136	Resp:	643008
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.0	6.6	9.8
68	6.1	5.0	7.4

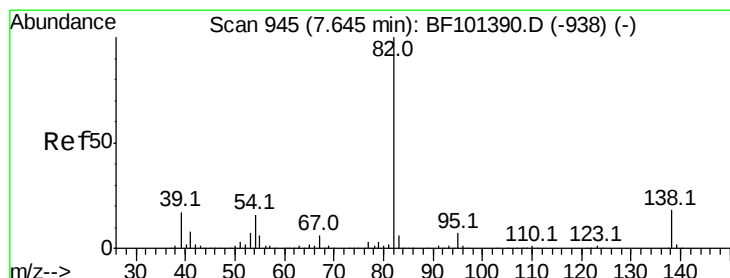
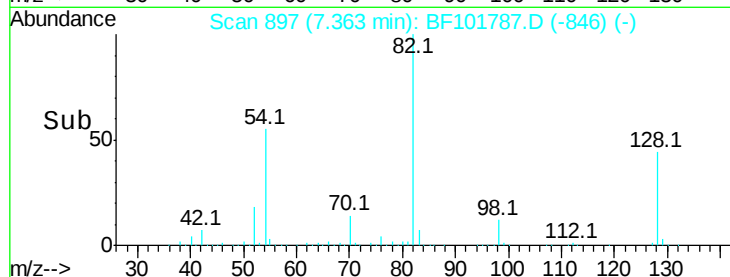
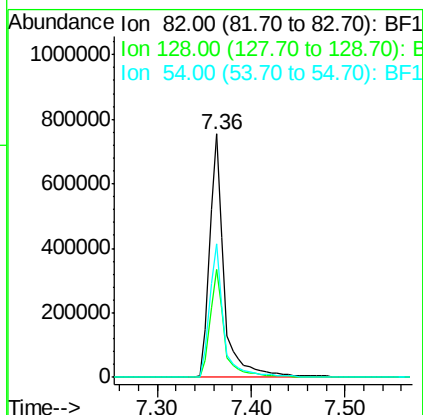
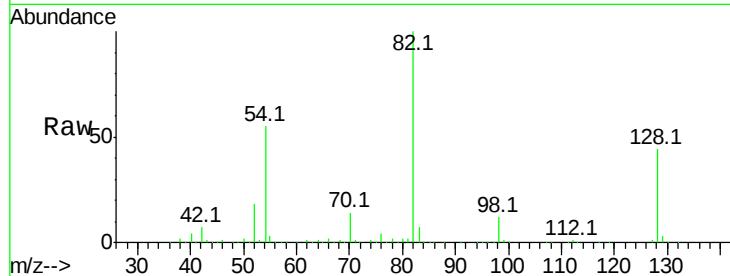




#23
Nitrobenzene-d5
Concen: 71.662 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

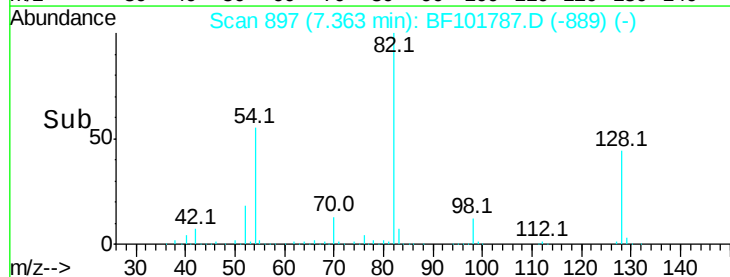
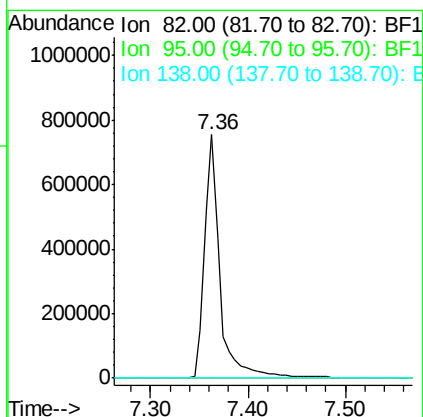
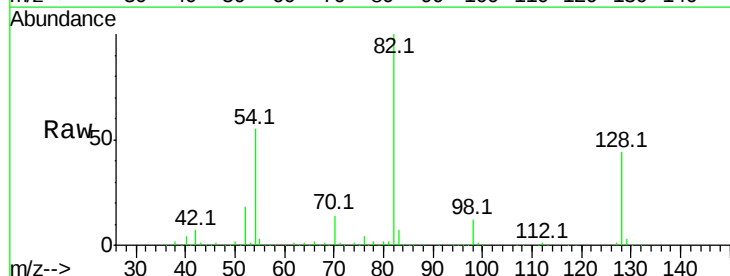
Instrument :
BNA_F
ClientSampleId :

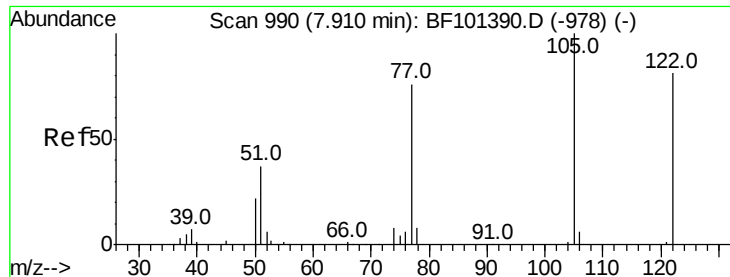
Tot Ion: 82 Resp: 827785
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 54.8 41.4 62.2



#25
Isophorone
Concen: 35.722 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.25 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion: 82 Resp: 827778
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 7.976 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.02 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

ClientSampleId :

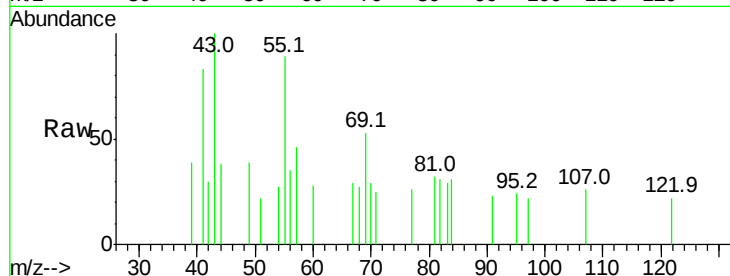
Tot Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

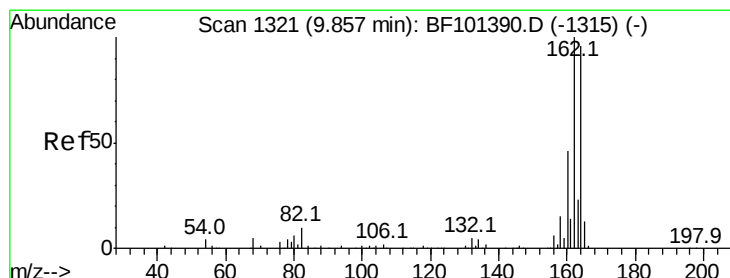
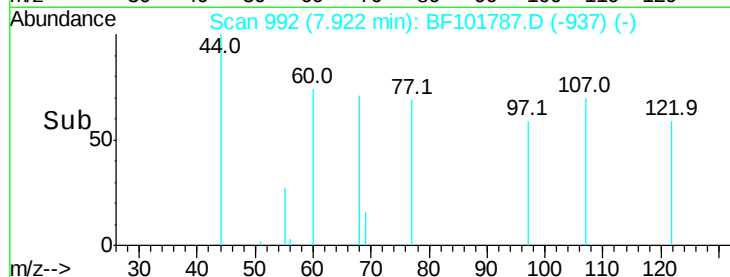
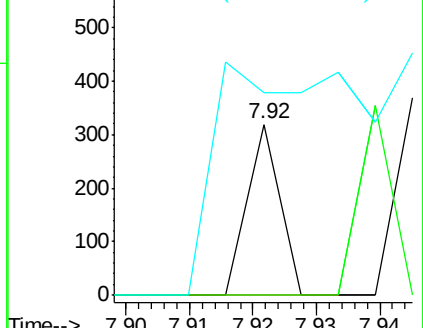
77 118.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

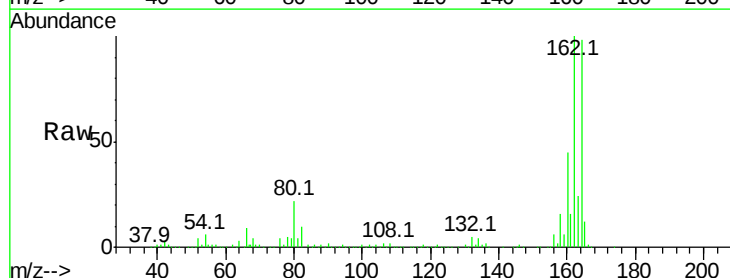
Tgt Ion:164 Resp: 253447

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

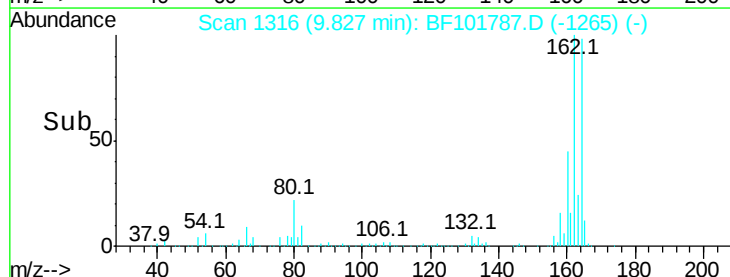
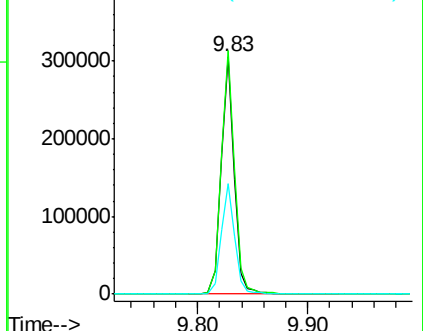
160 46.4 38.3 57.5

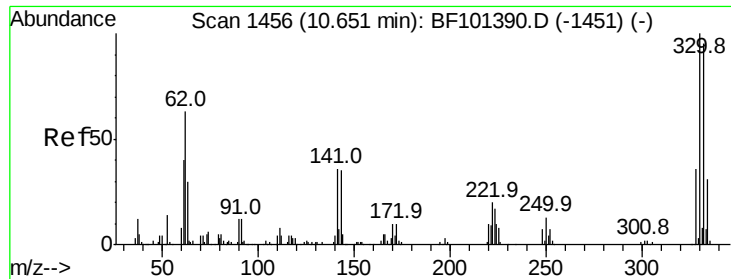


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

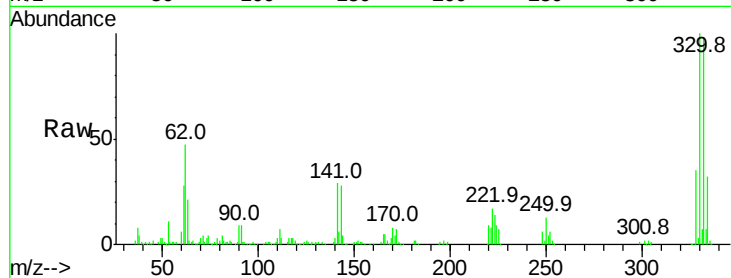




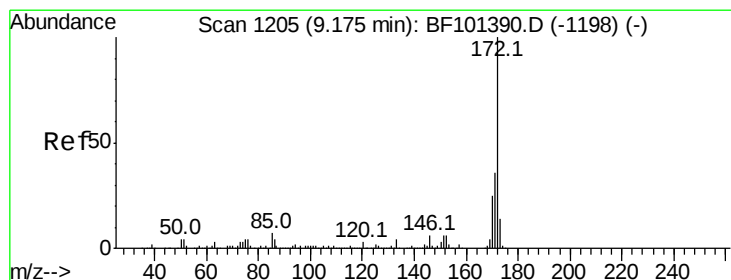
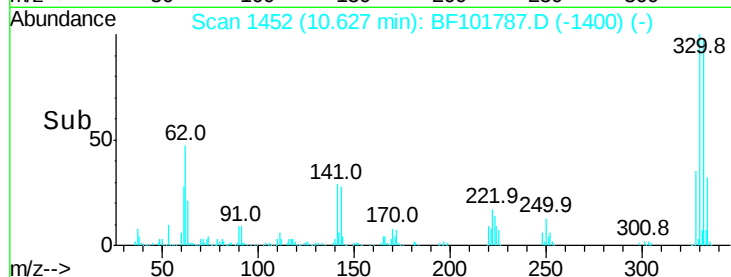
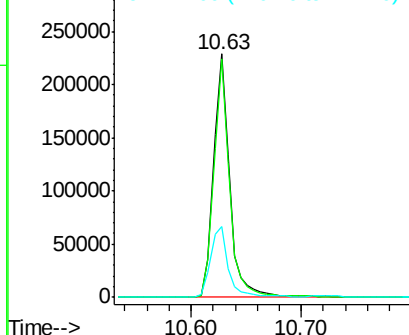
#41
 2,4,6-Tribromophenol
 Concen: 94.193 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 230034
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 31.2 29.9 44.9

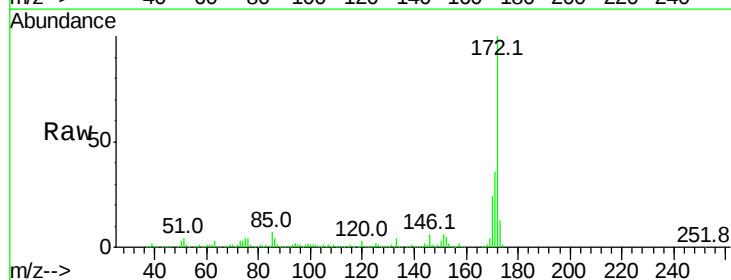


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

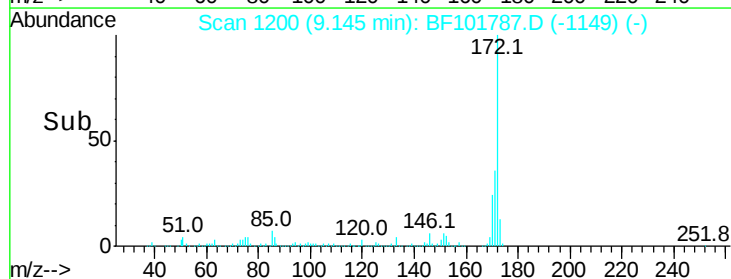
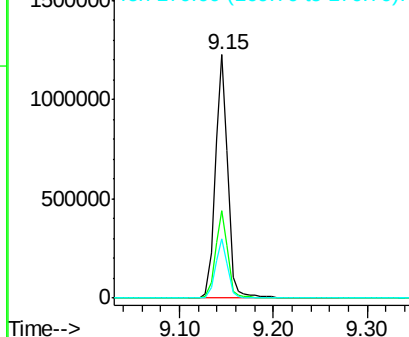


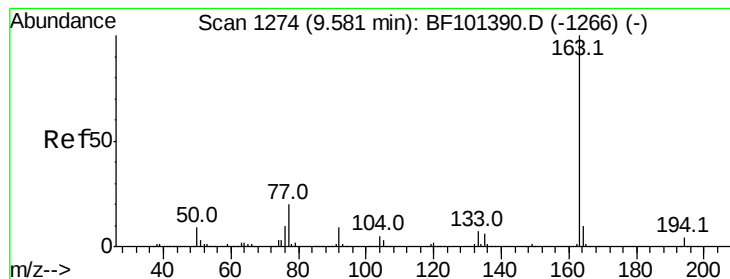
#44
 2-Fluorobiphenyl
 Concen: 70.598 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Tgt Ion:172 Resp: 1153455
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.2 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: 6.851 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

ClientSampleId :

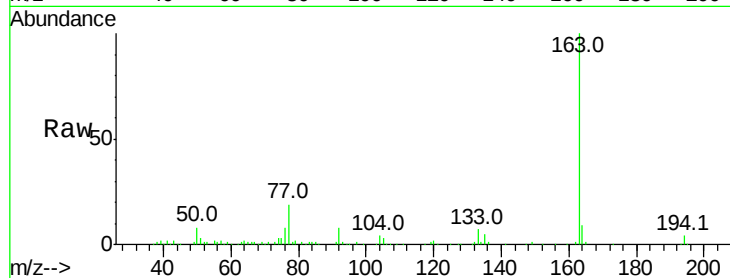
Tot Ion:163 Resp: 139661

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

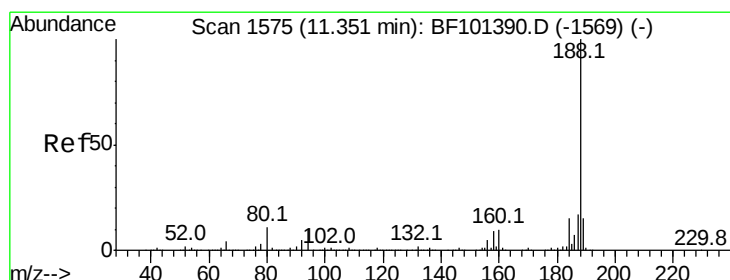
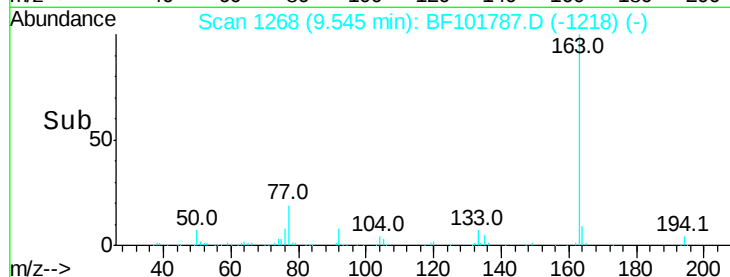
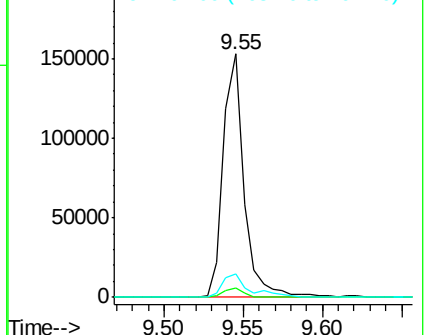
164 9.4 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

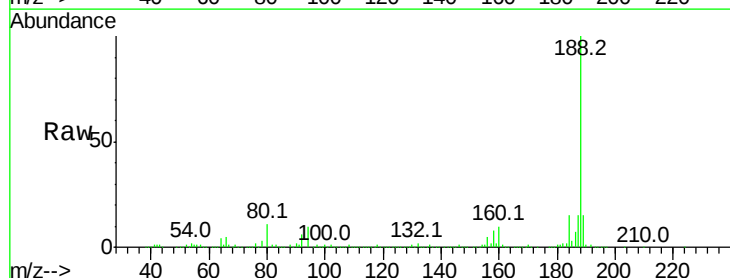
Tgt Ion:188 Resp: 388021

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

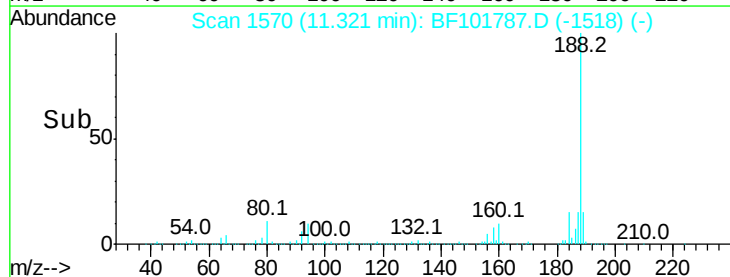
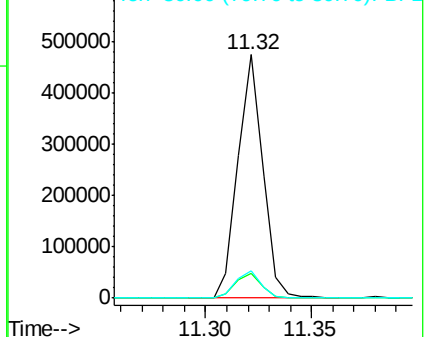
80 11.1 9.2 13.8

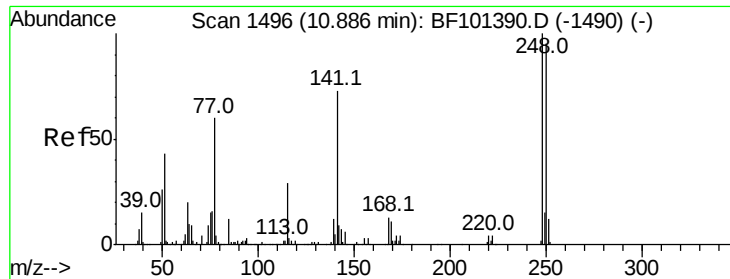


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

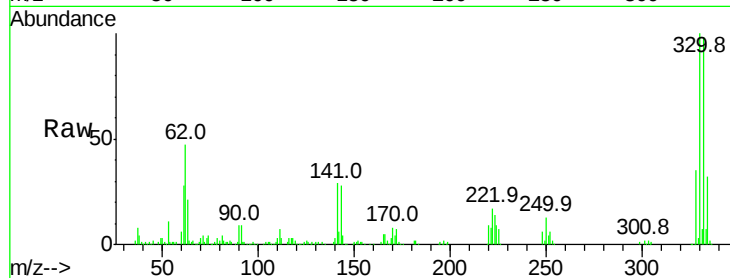




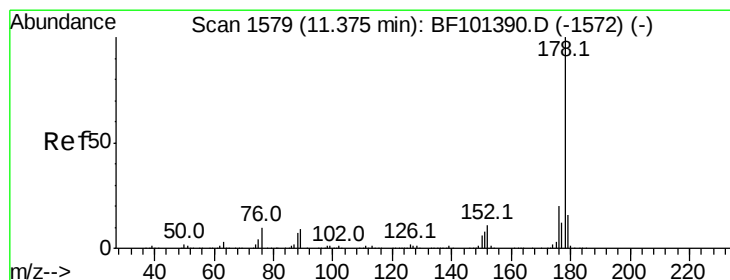
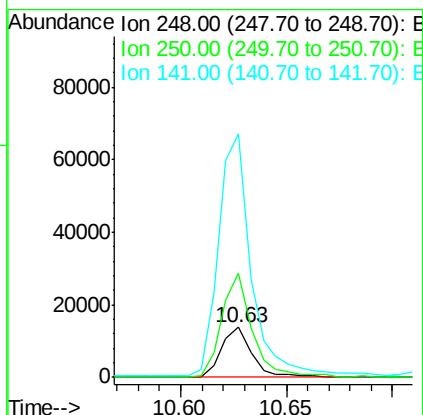
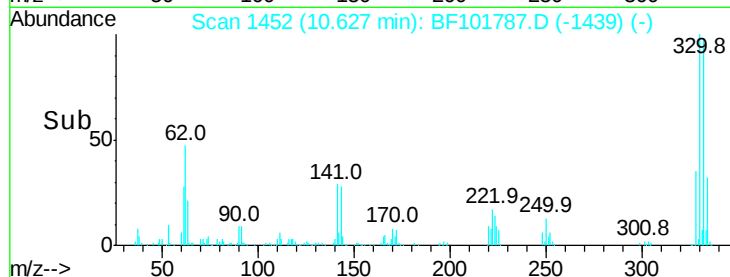
#66
4-Bromophenyl-phenylether
Concen: 3.181 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.22 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13870
Ion Ratio Lower Upper
248 100
250 209.1 76.9 115.3#
141 486.9 74.4 111.6#

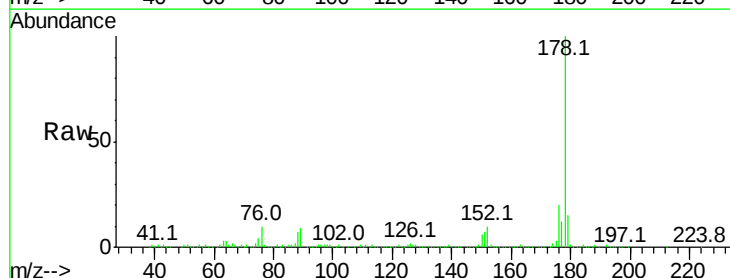


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

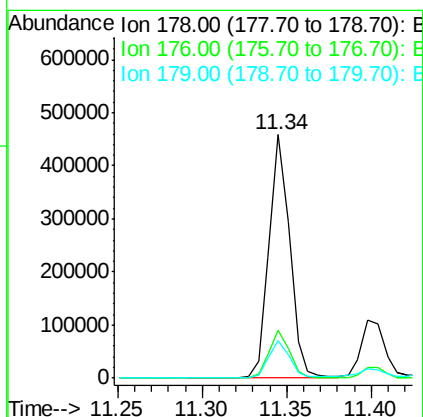
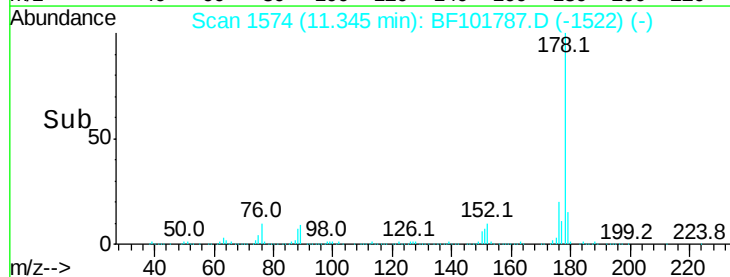


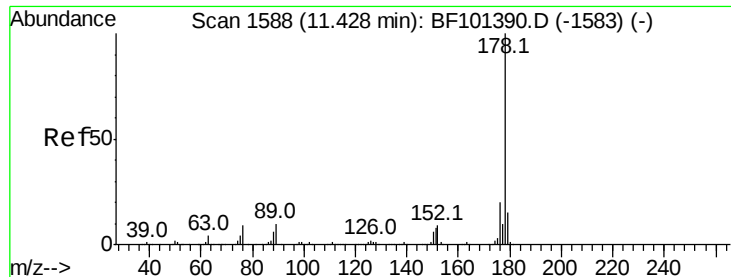
#70
Phenanthrene
Concen: 18.214 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion:178 Resp: 393035
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.5 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

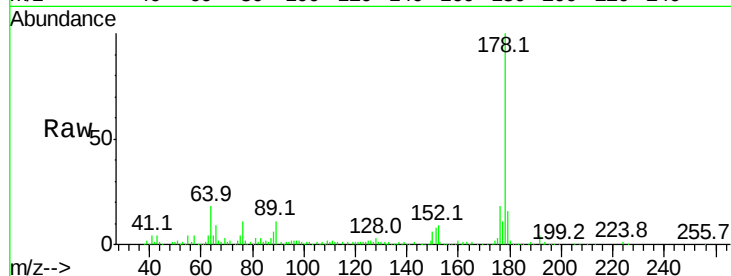




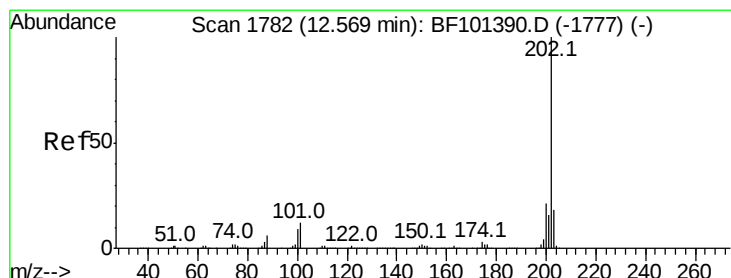
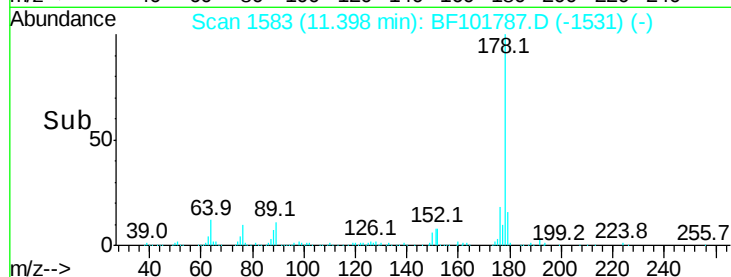
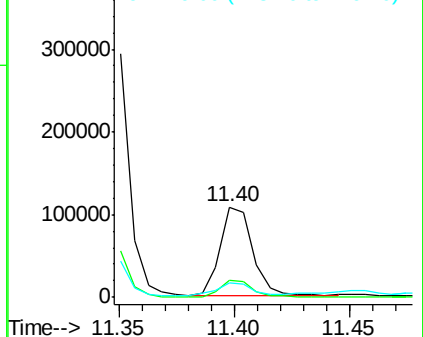
#71
 Anthracene
 Concen: 4.769 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 105122
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 16.5 12.6 19.0

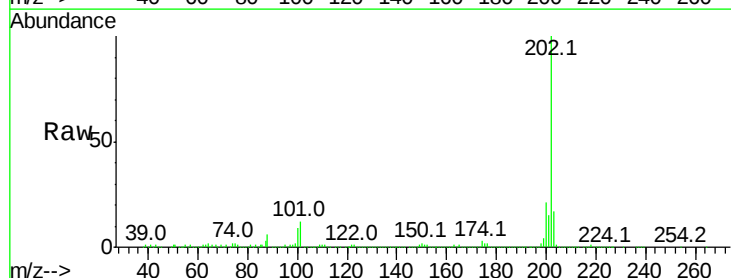


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

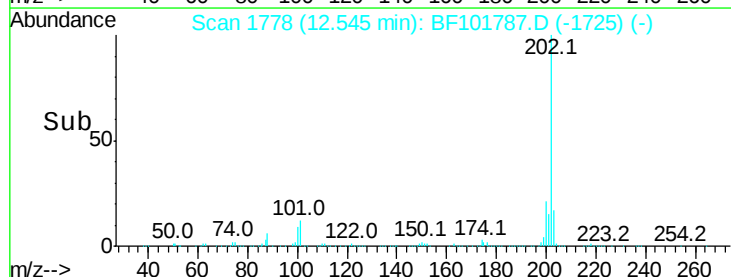
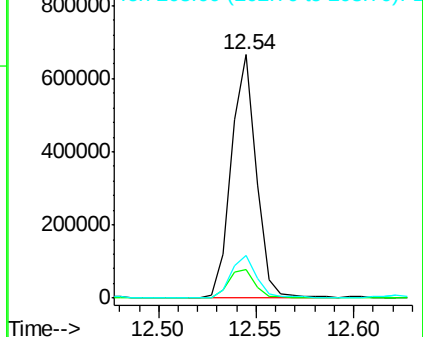


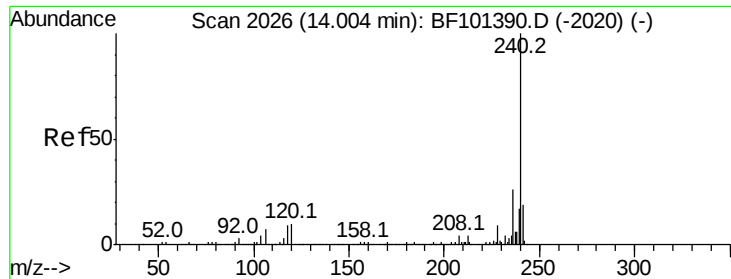
#74
 Fluoranthene
 Concen: 26.030 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Tgt Ion:202 Resp: 589571
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 34.1
 203 17.5 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: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

ClientSampleId :

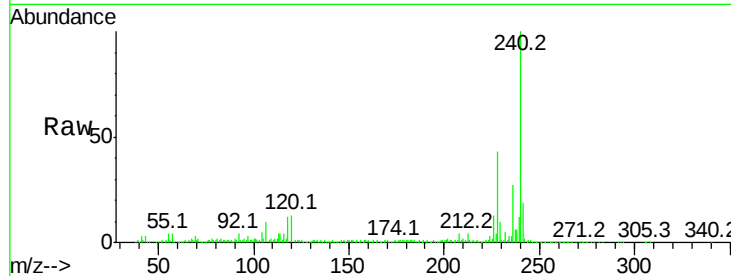
Tot Ion:240 Resp: 311388

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

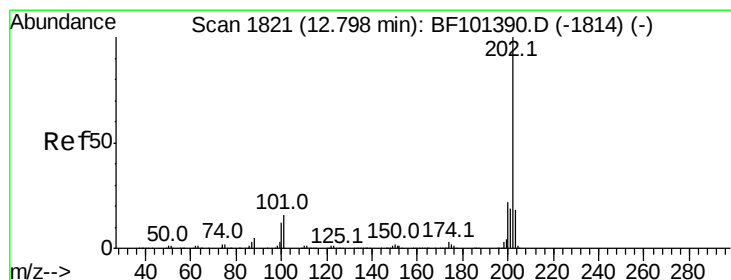
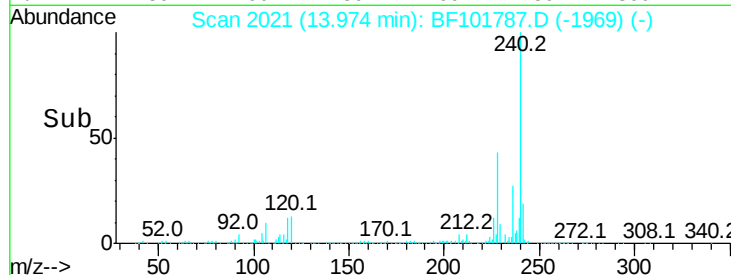
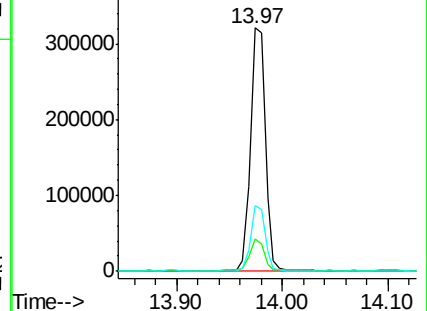
236 27.1 20.7 31.1



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: 23.511 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

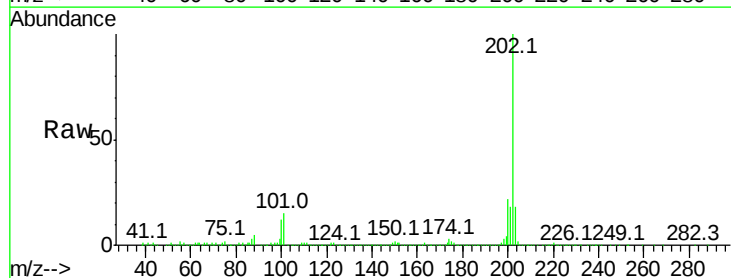
Tgt Ion:202 Resp: 549448

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

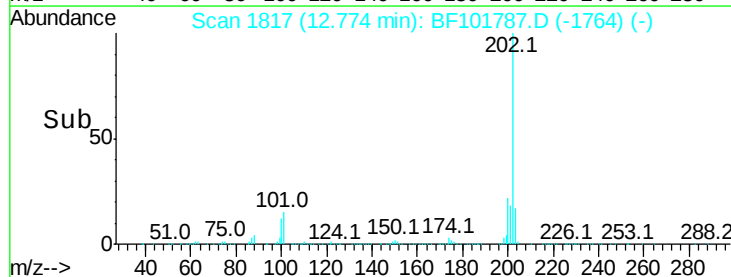
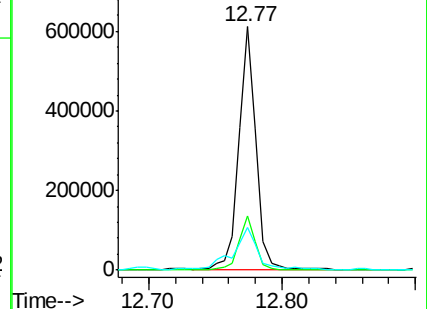
203 17.7 14.3 21.5

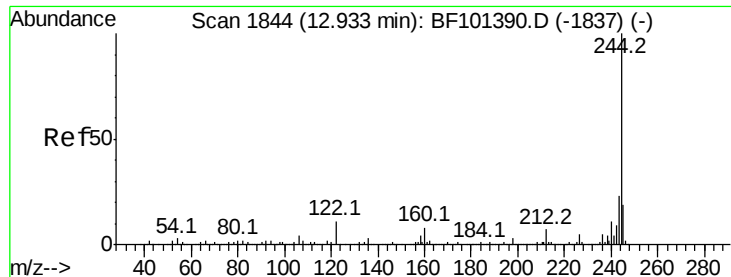


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.526 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

ClientSampleId :

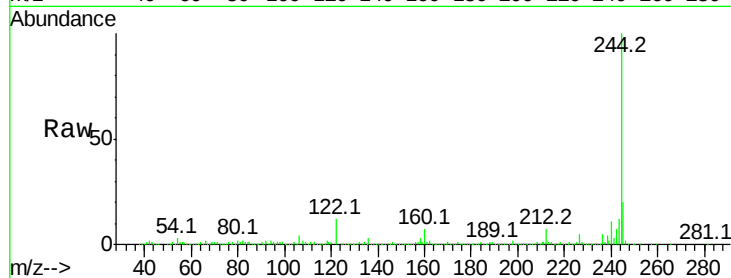
Tot Ion:244 Resp: 743036

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

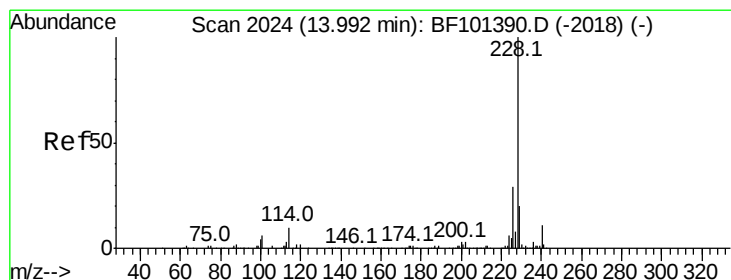
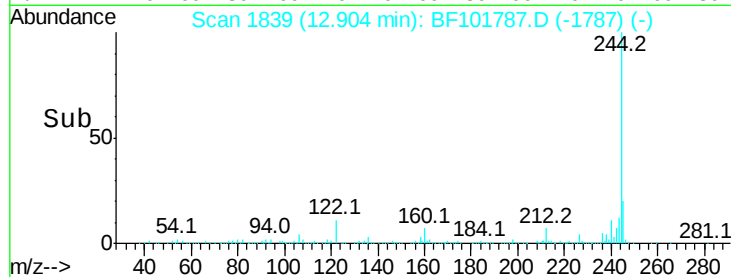
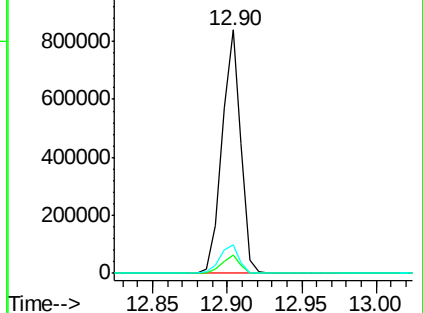
122 11.6 11.0 16.4



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: 15.162 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

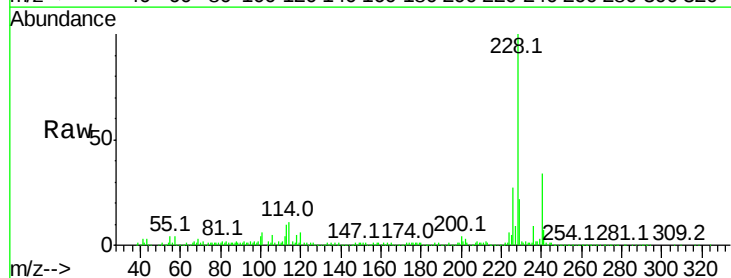
Tgt Ion:228 Resp: 311760

Ion Ratio Lower Upper

228 100

226 26.9 22.6 33.8

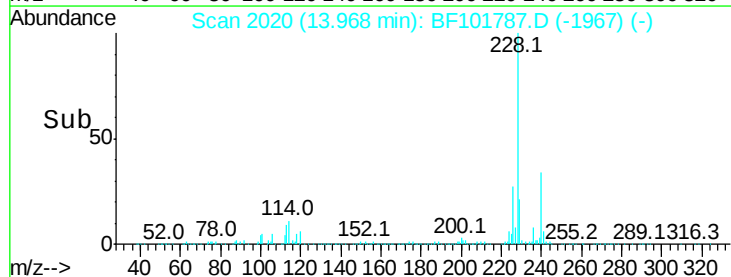
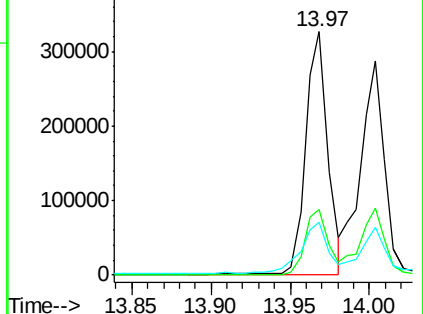
229 21.6 15.8 23.6

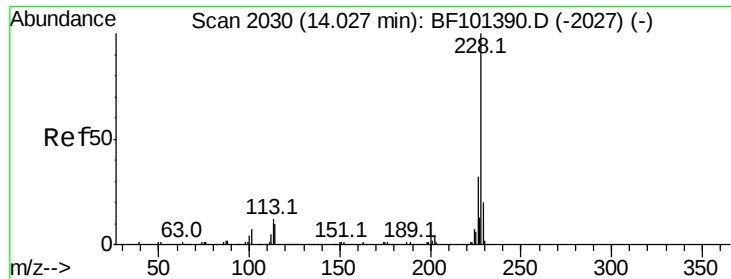


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.554 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

ClientSampleId :

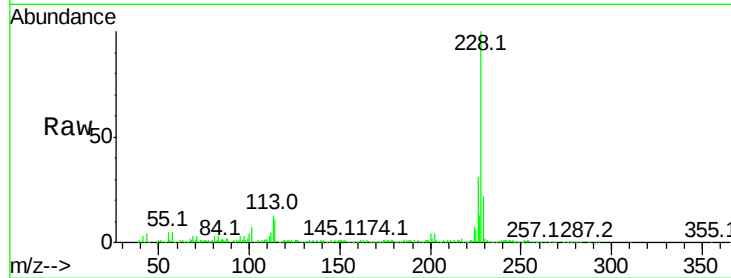
Tot Ion:228 Resp: 301971

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

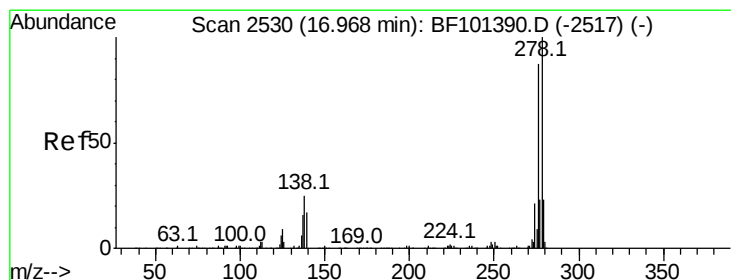
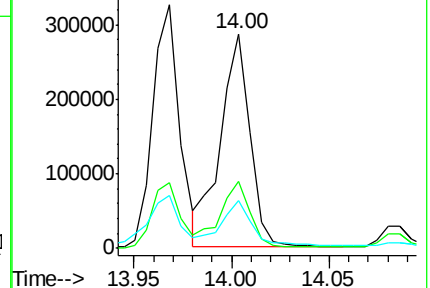
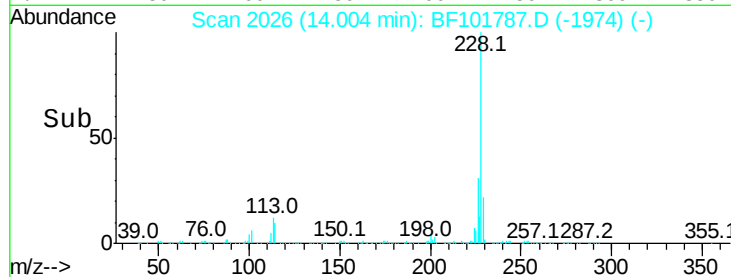
229 22.1 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.556 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.04 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

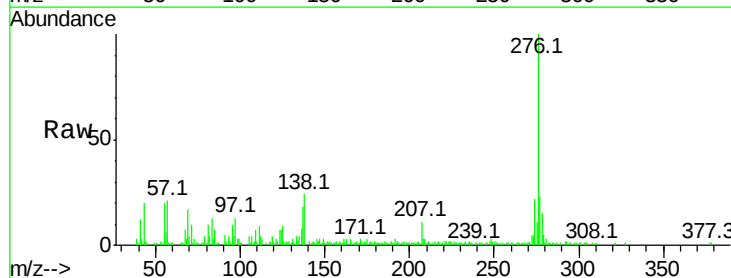
Tgt Ion:276 Resp: 113335

Ion Ratio Lower Upper

276 100

138 22.9 25.0 37.6#

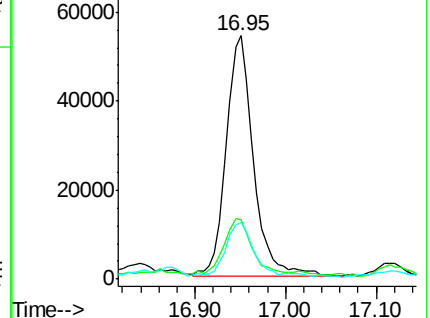
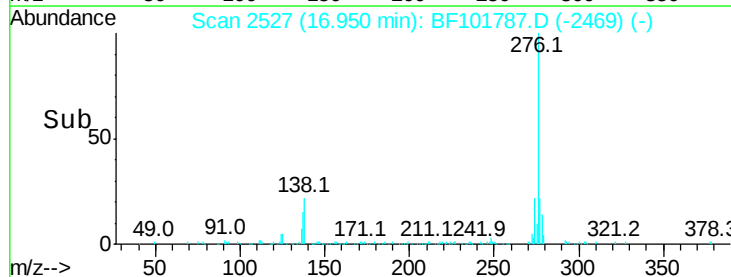
277 21.0 20.1 30.1

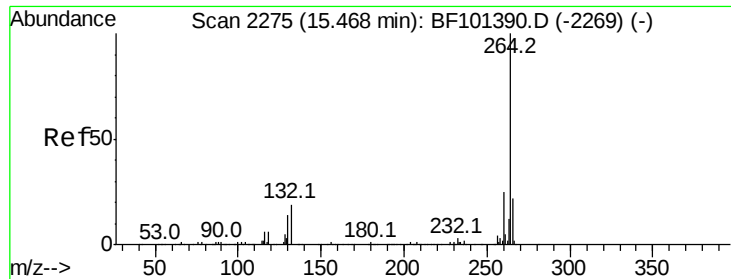


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

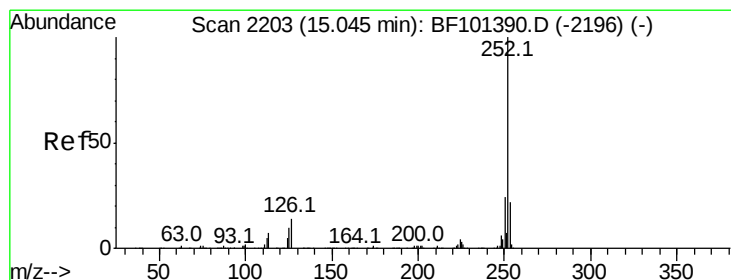
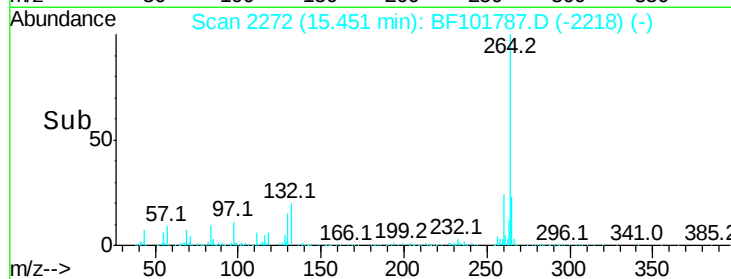
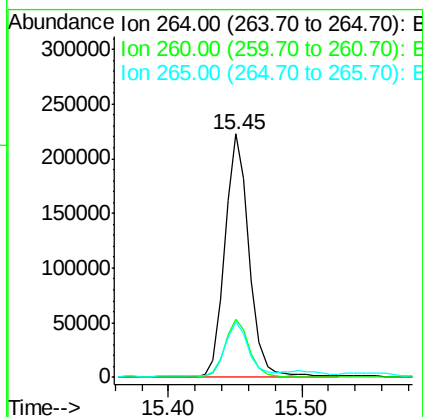
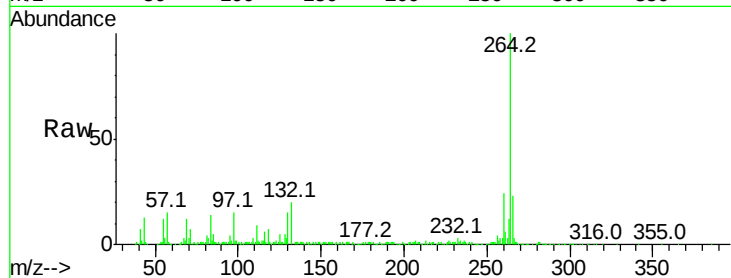




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

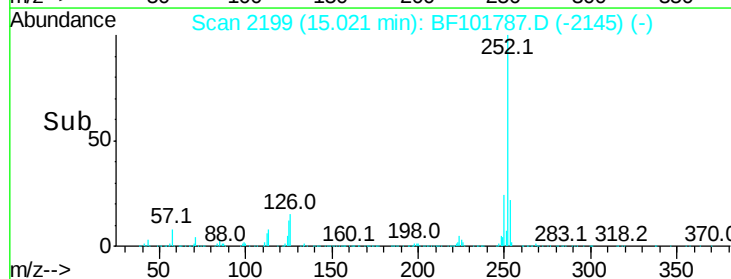
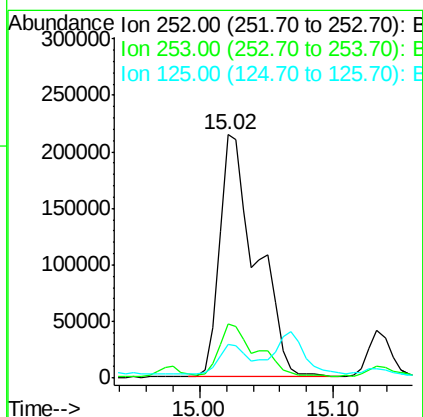
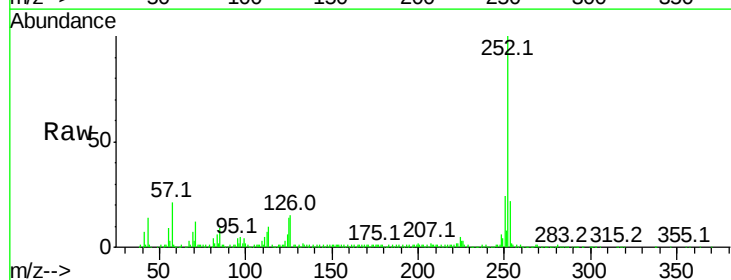
Instrument :
BNA_F
ClientSampleId :

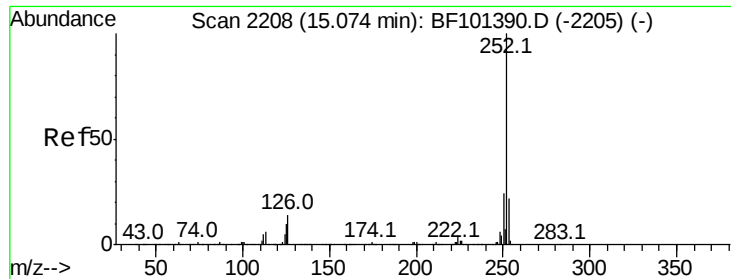
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 23.767 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	13.6	9.0	13.6#

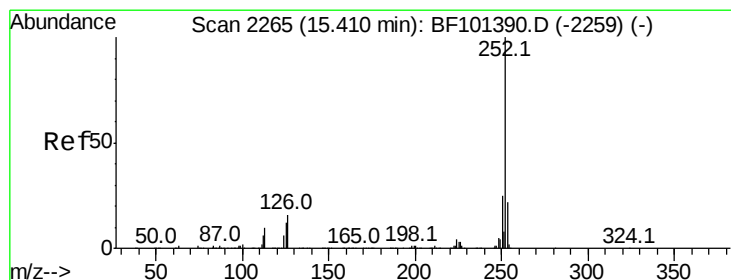
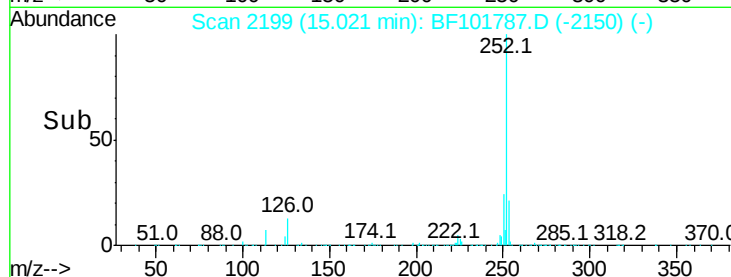
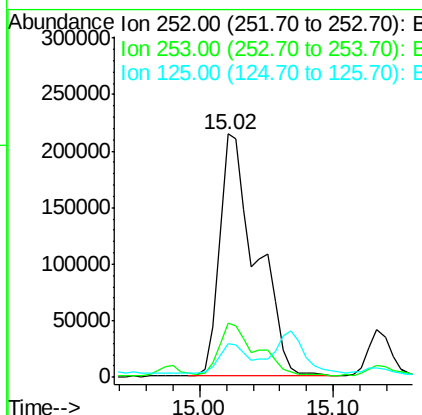
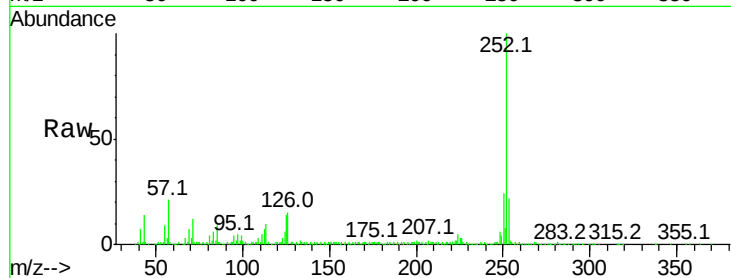




#88
Benzo(k)fluoranthene
Concen: 24.445 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

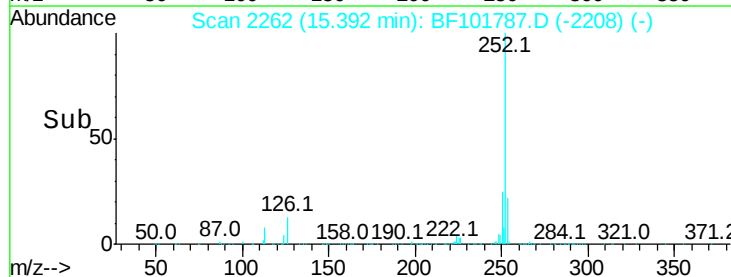
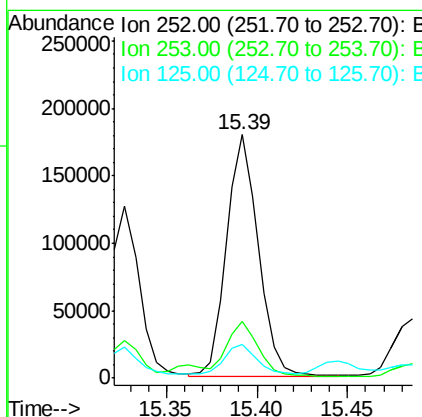
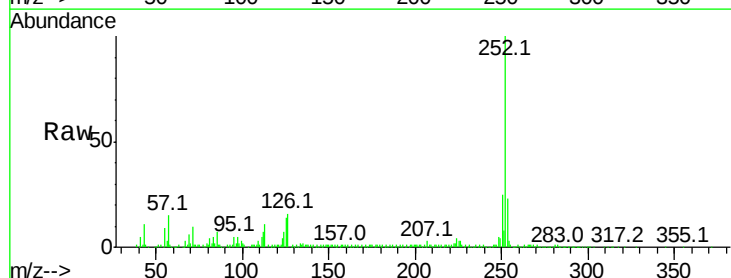
Instrument :
BNA_F
ClientSampleId :

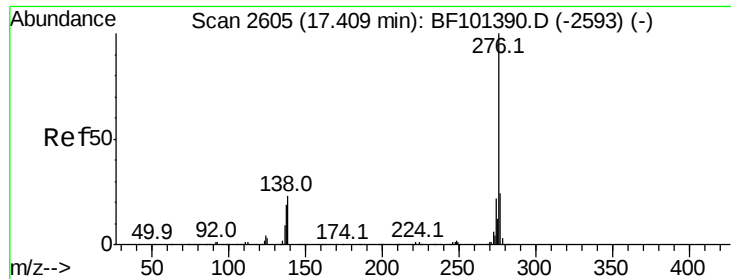
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	13.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 13.862 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.8	9.8	14.6

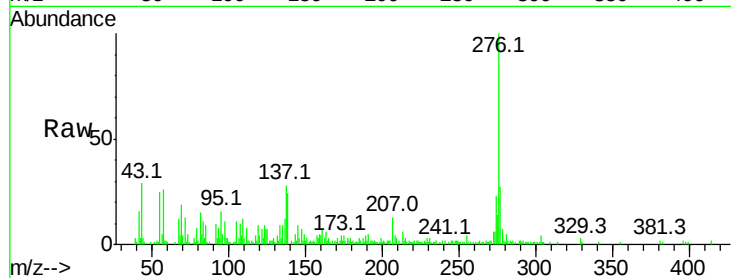




#91
 Benzo(a,h,i)perylene
 Concen: 7.157 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.05 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	24.2	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

