

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101777.D
 Acq On : 27 Dec 2017 21:56
 Operator : SJ/JU
 Sample : I7064-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 04:10:24 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	156710	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	588680	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	245250	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	394876	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293325	20.00	ng	0.00
86) Perylene-d12	15.44	264	273800	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	601383	57.16	ng	0.00
7) Phenol-d6	6.43	99	722179	55.16	ng	0.00
23) Nitrobenzene-d5	7.36	82	434348	41.07	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	129609	54.85	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	743408	47.02	ng	0.00
78) Terphenyl-d14	12.90	244	505547	41.55	ng	0.00

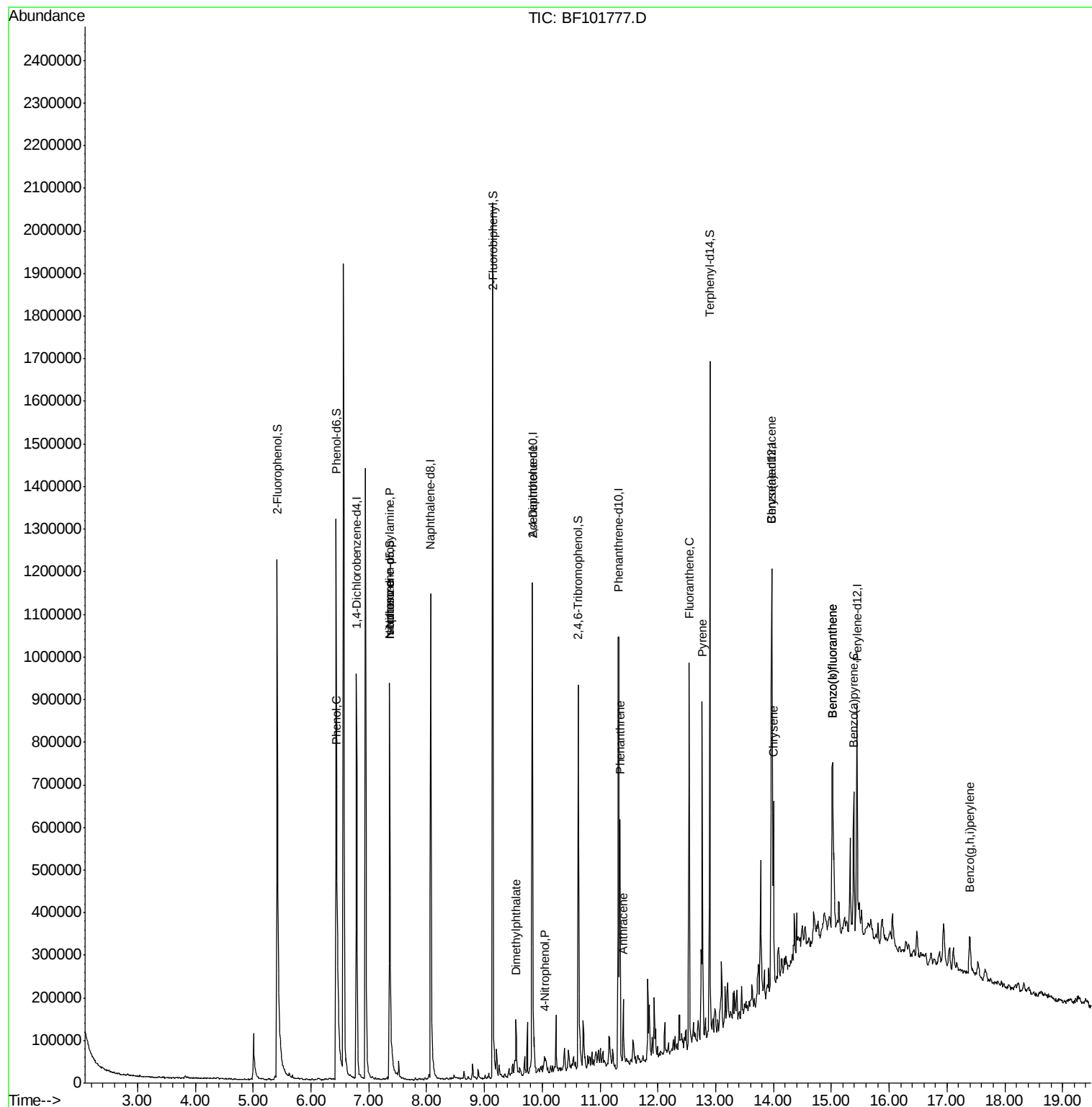
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	35505	2.379	ng	# 50
19) n-Nitroso-di-n-propylamine	7.36	70	56419	6.561	ng	# 83
25) Isophorone	7.36	82	434348	20.474	ng	# 64
49) Dimethylphthalate	9.55	163	62449	3.166	ng	98
55) 4-Nitrophenol	10.04	139	5952	2.731	ng	# 14
56) 2,4-Dinitrotoluene	9.82	165	32883	7.279	ng	# 24
70) Phenanthrene	11.35	178	228147	10.389	ng	98
71) Anthracene	11.40	178	68972	3.075	ng	96
74) Fluoranthene	12.54	202	353931	15.355	ng	97
77) Pyrene	12.77	202	327106	14.859	ng	100
80) Benzo(a)anthracene	13.96	228	194549	10.045	ng	98
82) Chrysene	14.00	228	165609	9.056	ng	97
87) Benzo(b)fluoranthene	15.02	252	274465	16.446	ng	97
88) Benzo(k)fluoranthene	15.02	252	274465	16.915	ng	99
89) Benzo(a)pyrene	15.39	252	143853	9.350	ng	96
91) Benzo(g,h,i)perylene	17.39	276	70739	5.408	ng	97

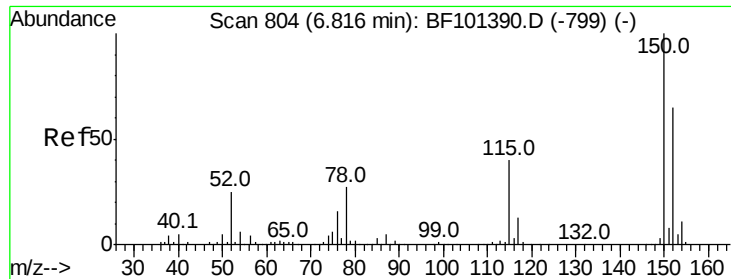
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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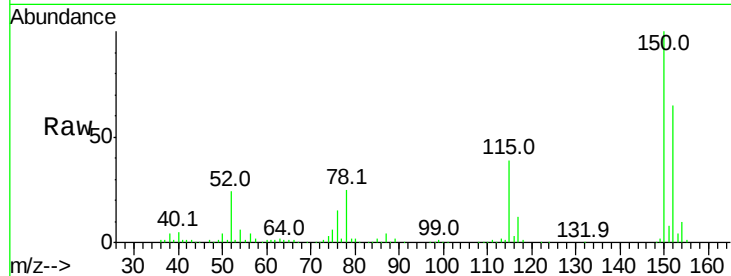


#1

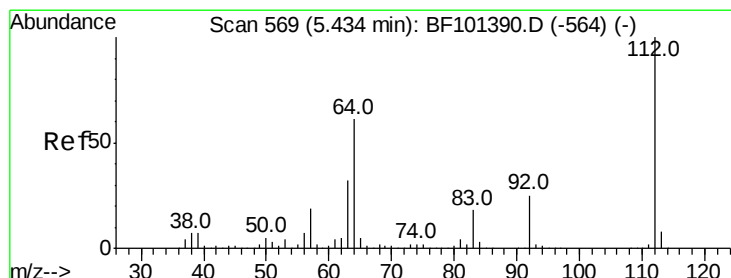
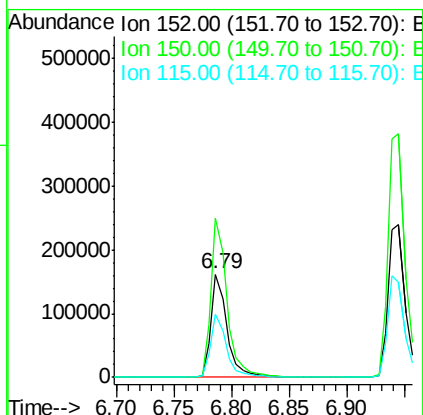
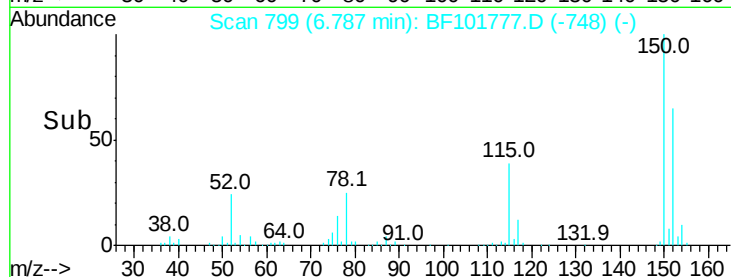
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 156710
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 60.6 50.1 75.1



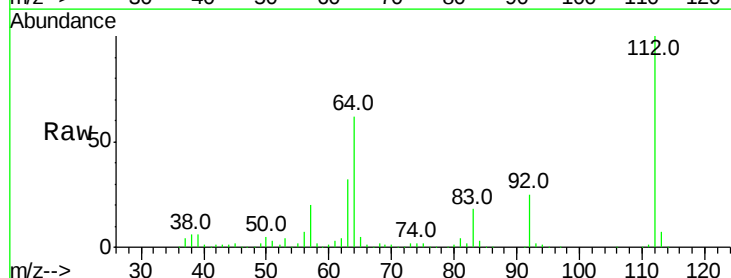
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



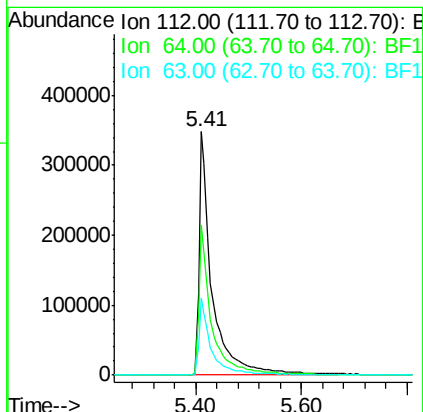
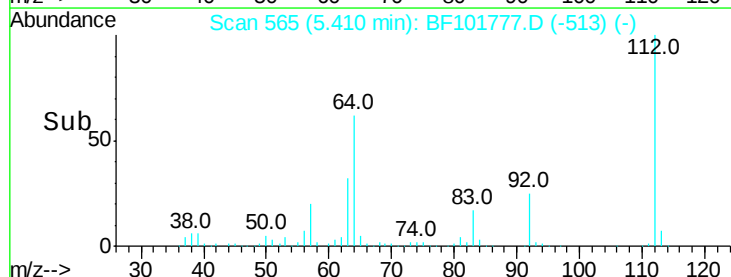
#5

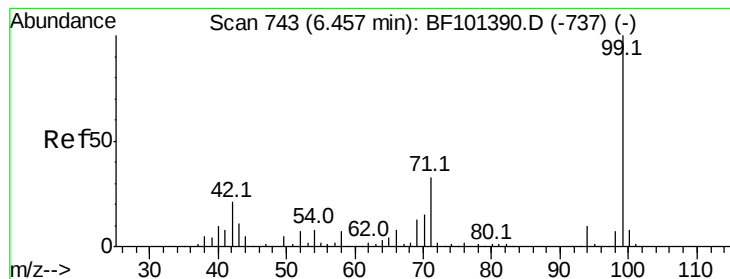
2-Fluorophenol
Concen: 57.163 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Tgt Ion:112 Resp: 601383
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 31.6 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: 55.157 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

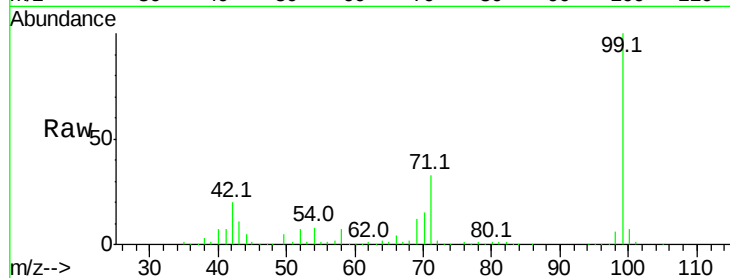
Tot Ion: 99 Resp: 722179

Ion Ratio Lower Upper

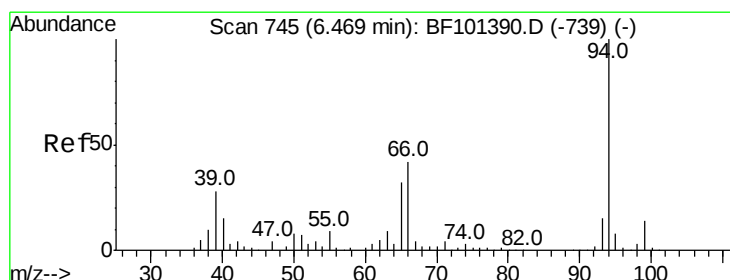
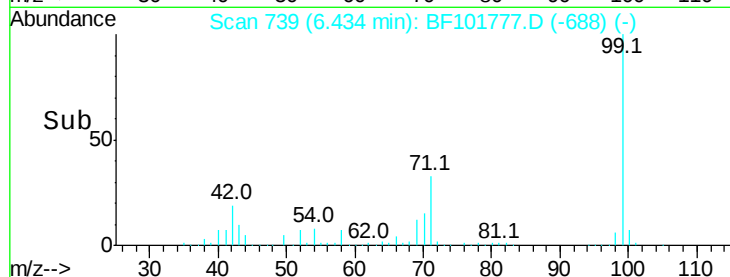
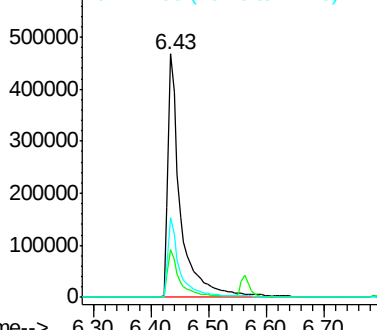
99 100

42 19.6 14.5 21.7

71 32.8 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: 2.379 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

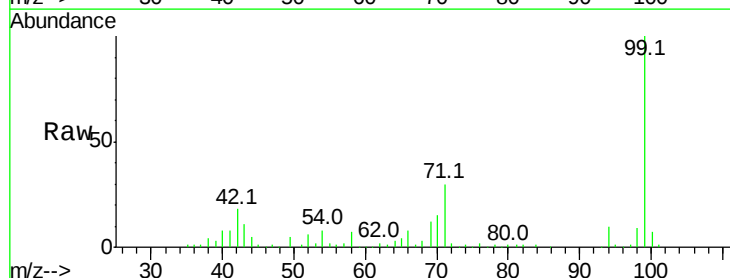
Tgt Ion: 94 Resp: 35505

Ion Ratio Lower Upper

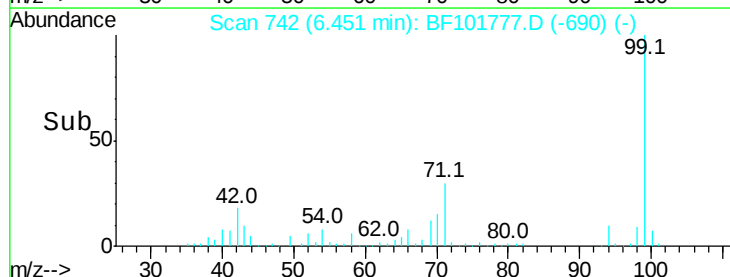
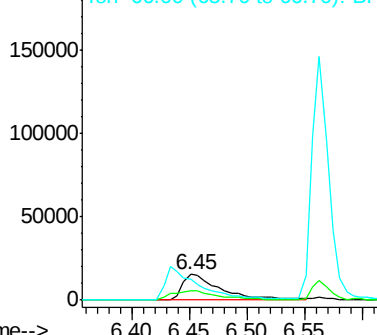
94 100

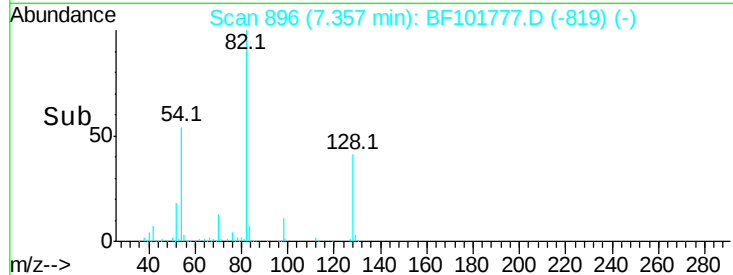
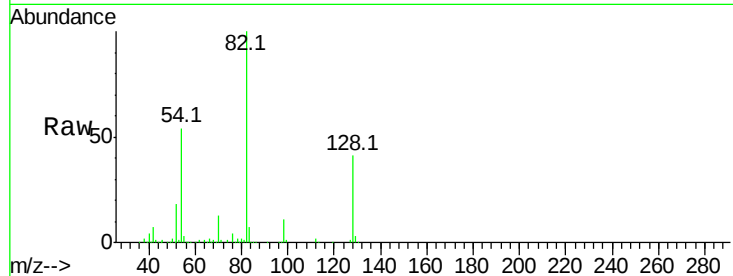
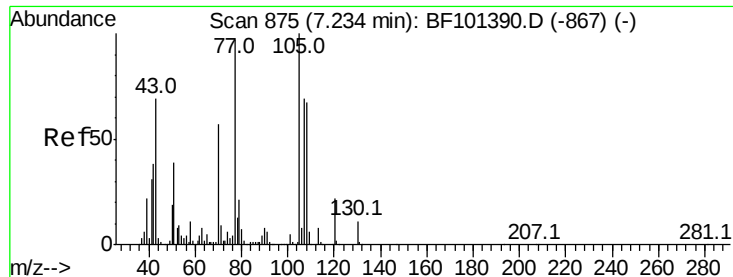
65 37.6 7.9 47.9

66 80.5 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: 6.561 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

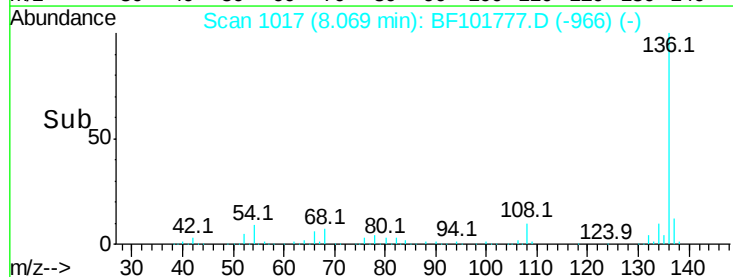
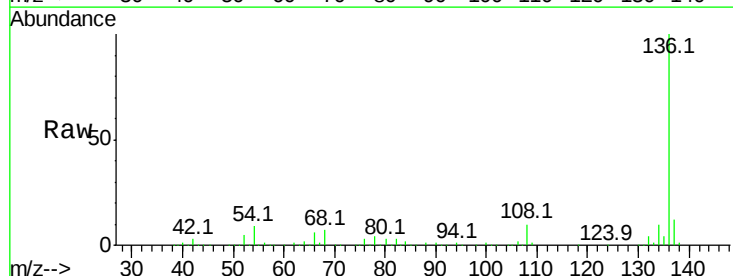
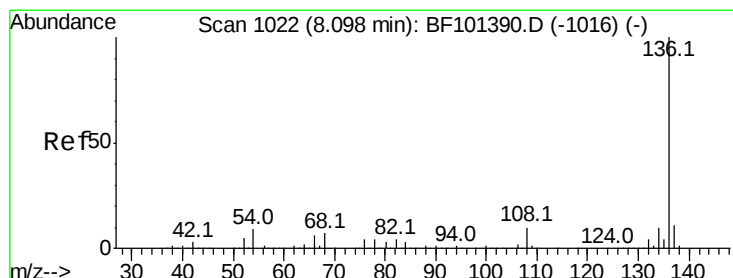
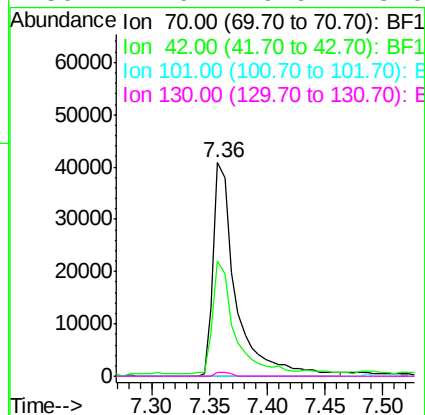
Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 56419

Ion	Ratio	Lower	Upper
70	100		
42	53.8	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: 8.07 min Scan# 1017

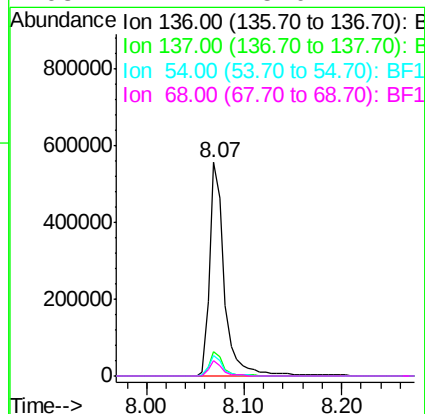
Delta R.T. -0.00 min

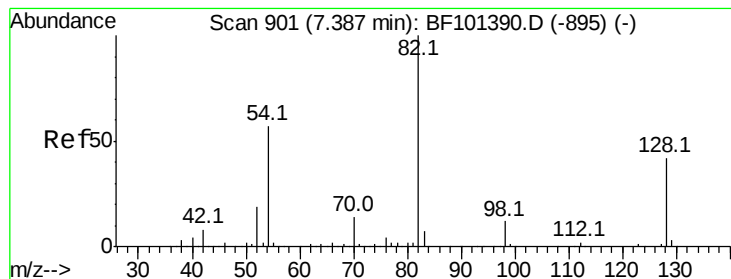
Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Tgt Ion: 136 Resp: 588680

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	9.4	6.6	9.8
68	7.4	5.0	7.4





#23

Nitrobenzene-d5

Concen: 41.072 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampled :

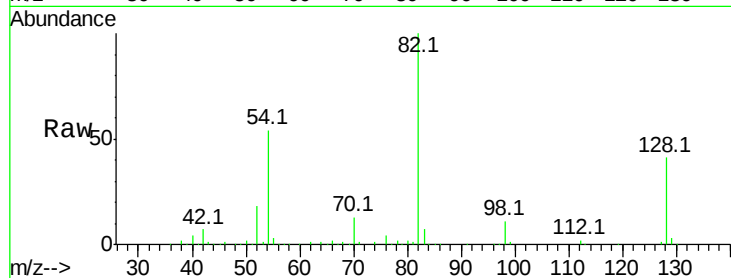
Tot Ion: 82 Resp: 434348

Ion Ratio Lower Upper

82 100

128 41.2 36.1 54.1

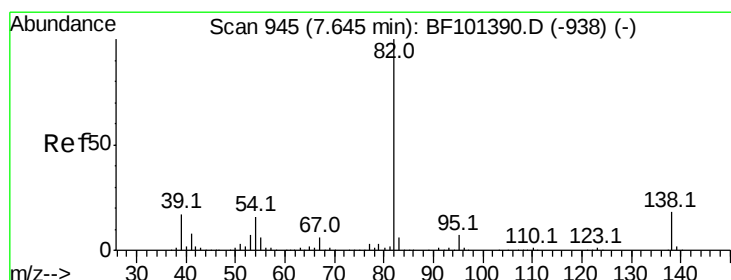
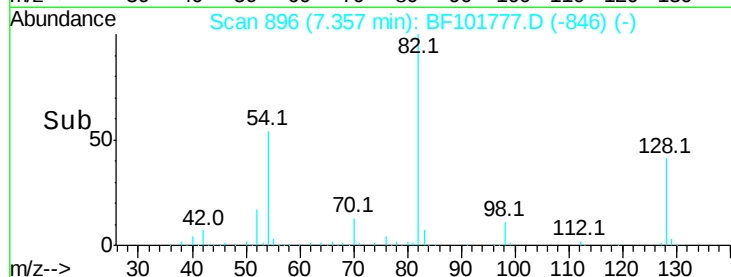
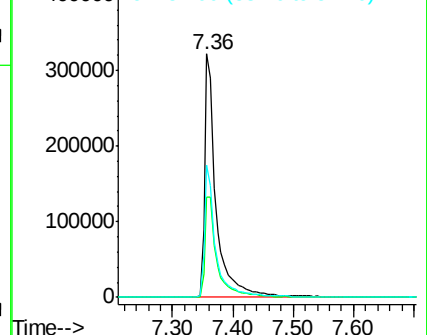
54 54.5 41.4 62.2



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: 20.474 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

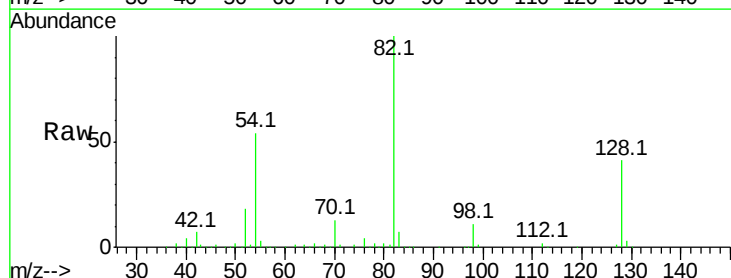
Tgt Ion: 82 Resp: 434348

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

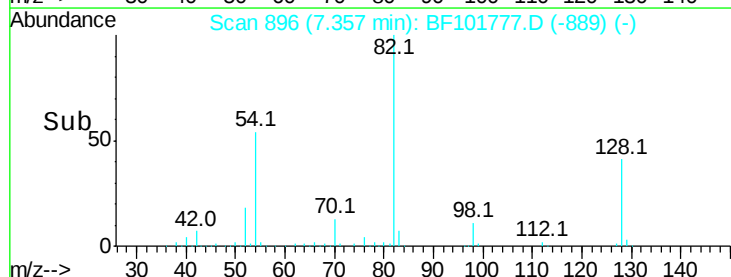
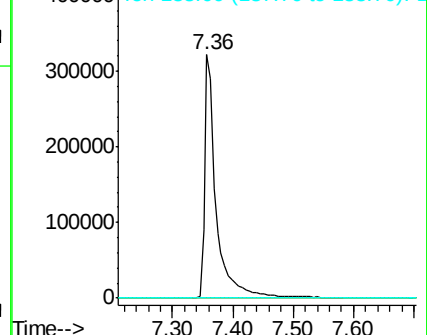
138 0.0 14.9 22.3#

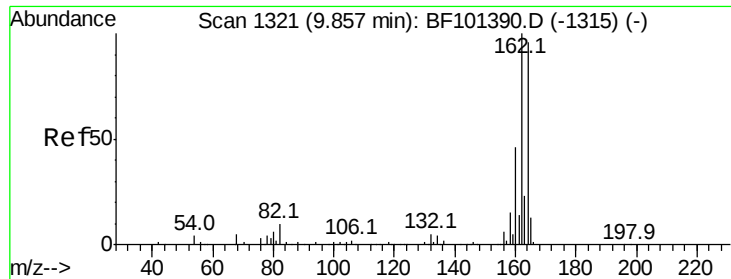


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

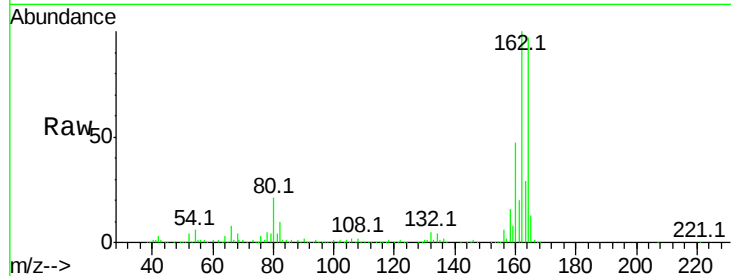
Tot Ion:164 Resp: 245250

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

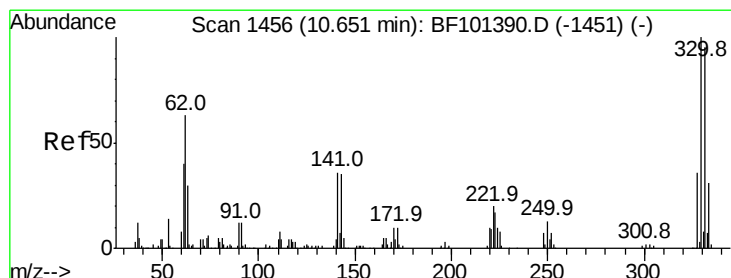
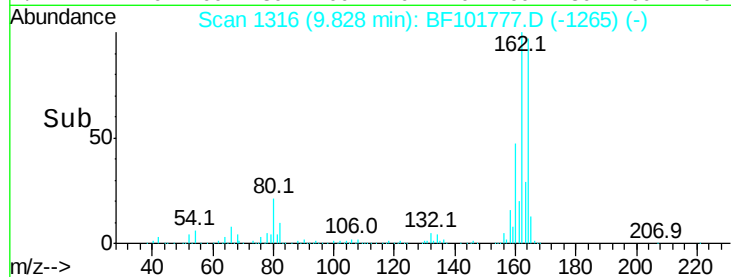
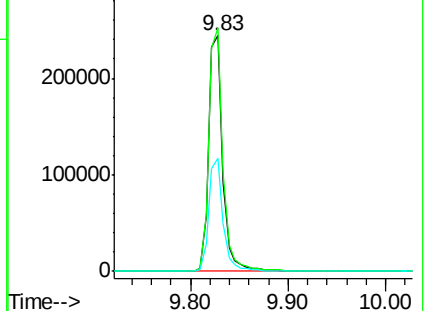
160 48.3 38.3 57.5



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: 54.845 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

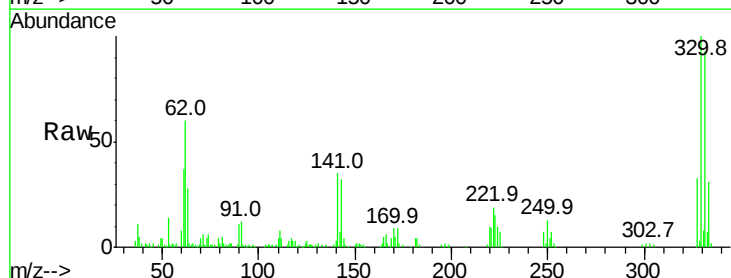
Tgt Ion:330 Resp: 129609

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

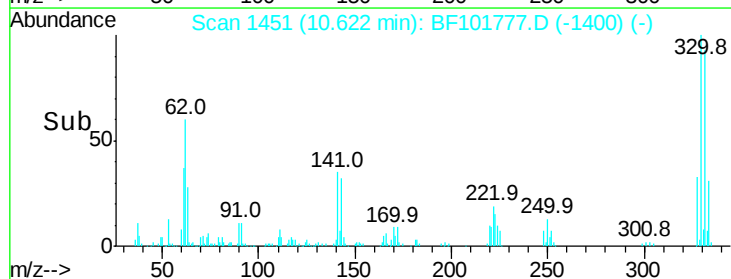
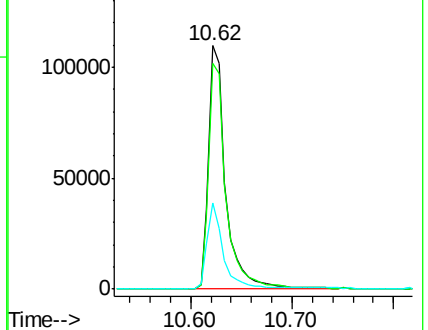
141 34.0 29.9 44.9

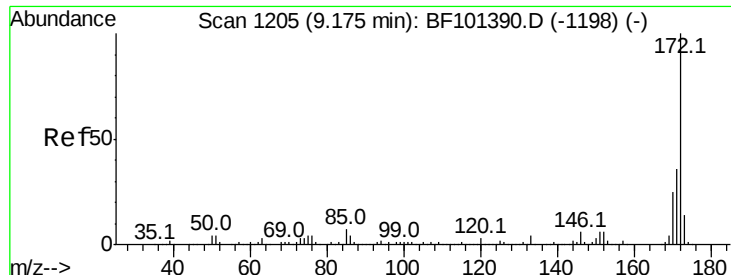


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



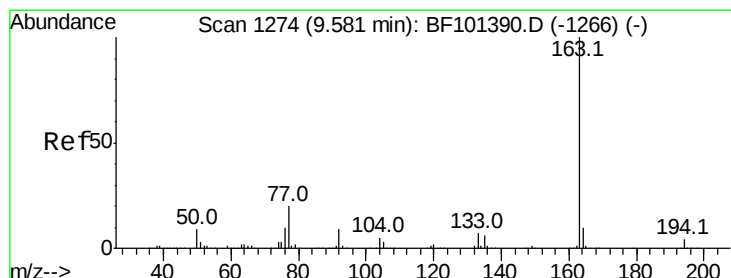
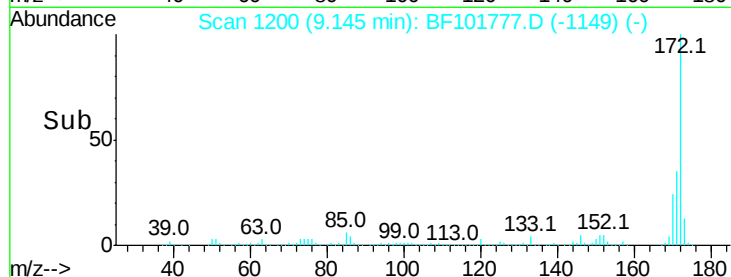
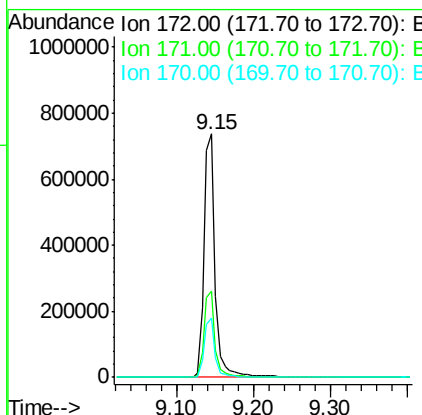
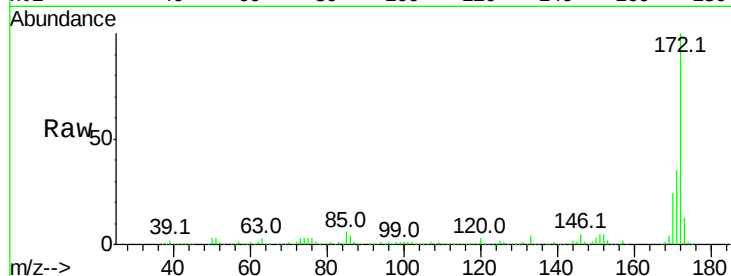


#44
 2-Fluorobiphenyl
 Concen: 47.022 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 743408

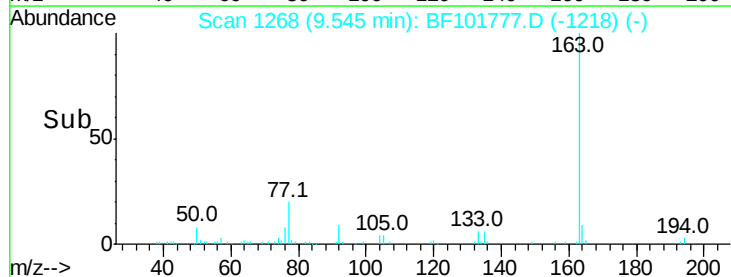
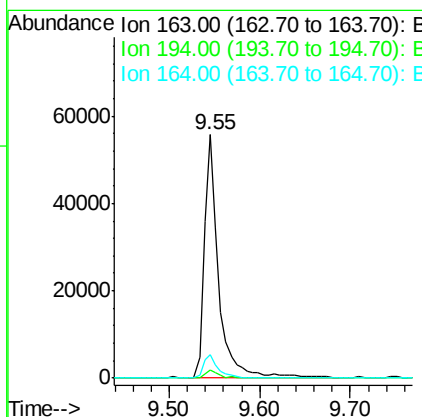
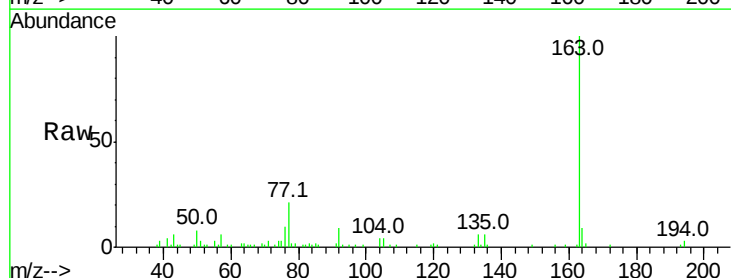
Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.2	19.6	29.4

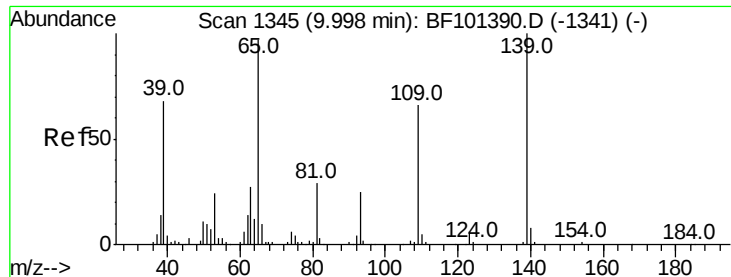


#49
 Dimethylphthalate
 Concen: 3.166 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Tgt Ion:163 Resp: 62449

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





#55

4-Nitrophenol

Concen: 2.731 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.05 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

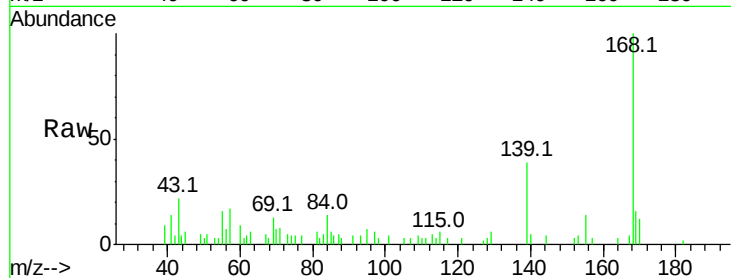
Tot Ion:139 Resp: 5952

Ion Ratio Lower Upper

139 100

109 11.0 48.4 88.4#

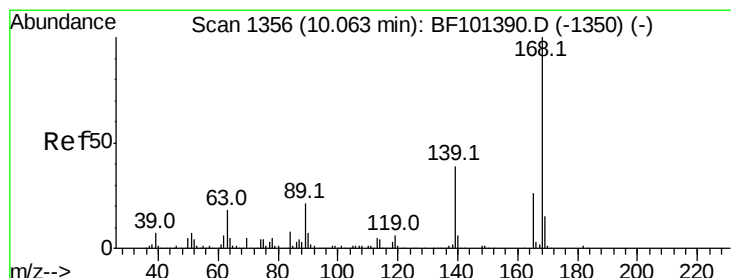
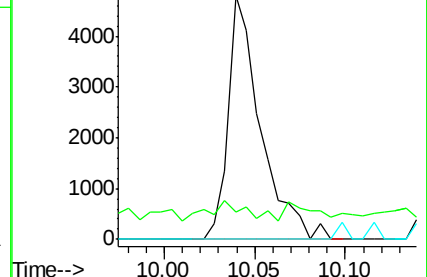
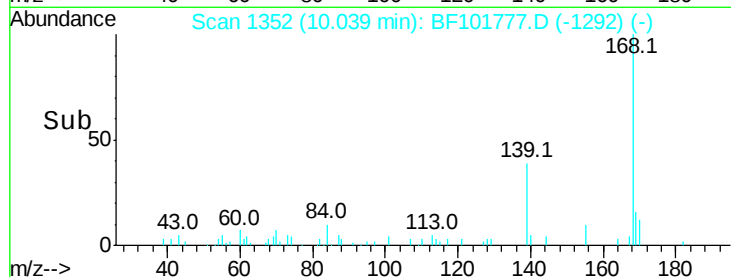
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 7.279 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.22 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Tgt Ion:165 Resp: 32883

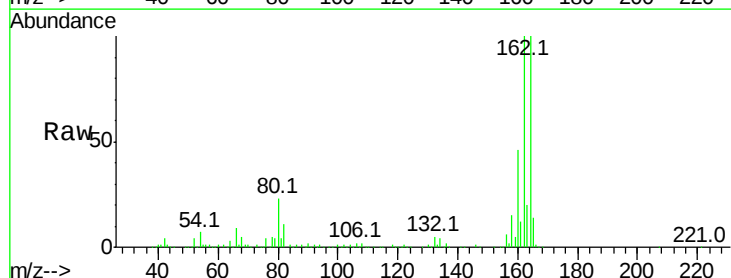
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

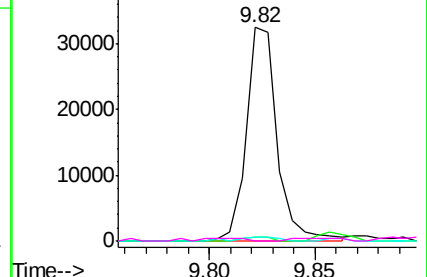
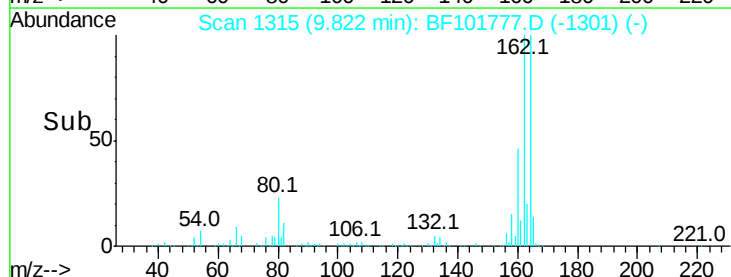


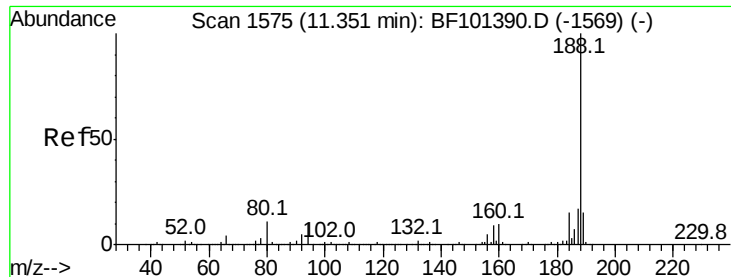
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

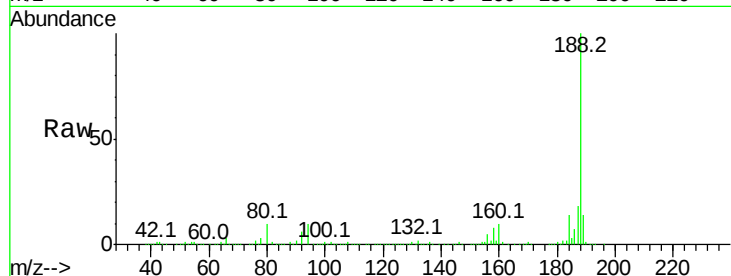
Tot Ion:188 Resp: 394876

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

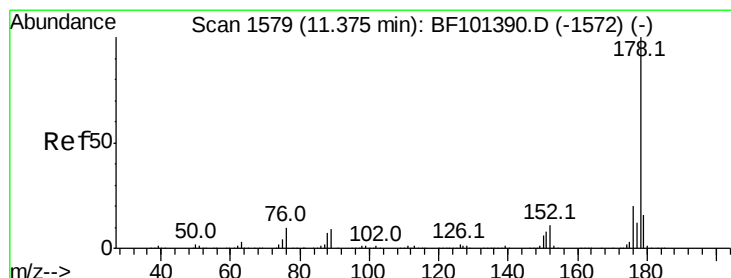
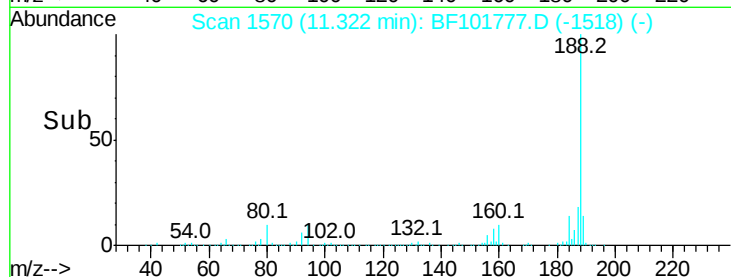
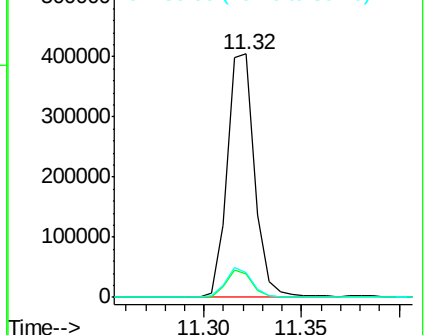
80 10.3 9.2 13.8



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



#70

Phenanthrene

Concen: 10.389 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

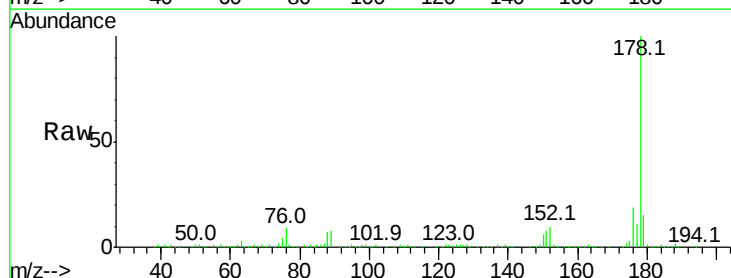
Tgt Ion:178 Resp: 228147

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

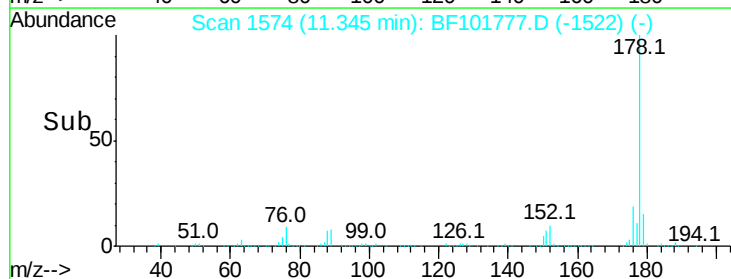
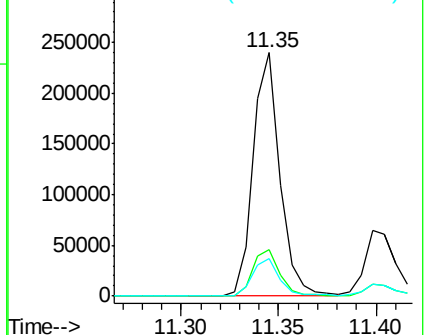
179 15.4 13.0 19.6

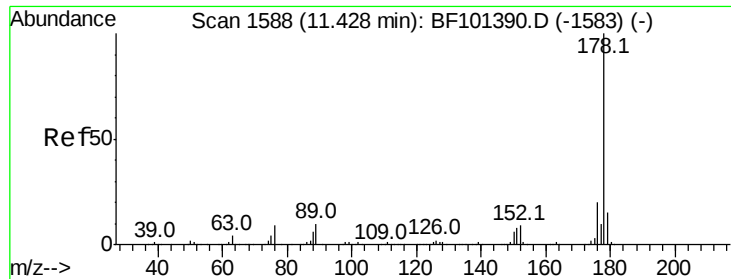


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

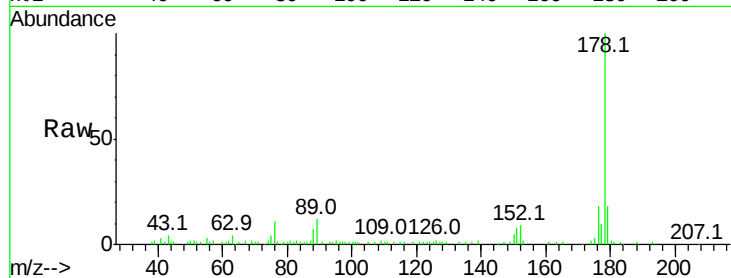




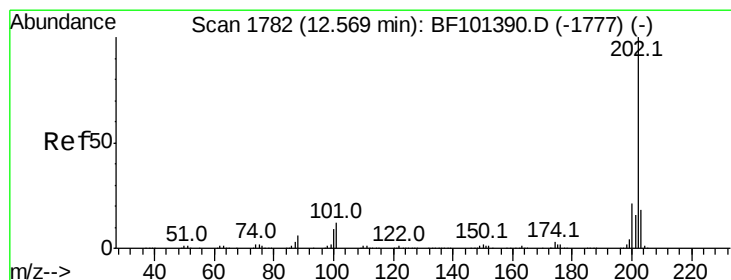
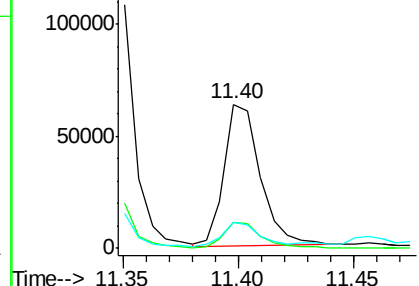
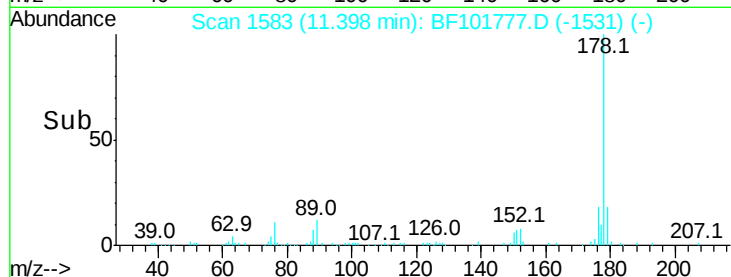
#71
 Anthracene
 Concen: 3.075 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 68972
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 17.9 12.6 19.0

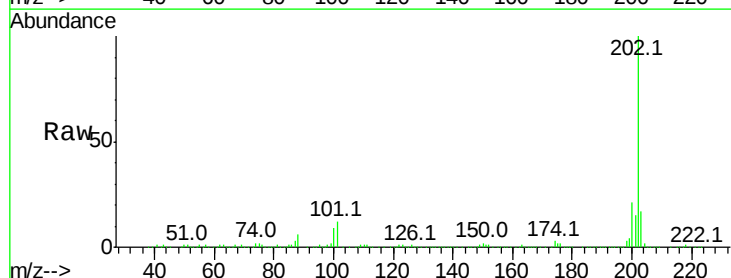


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

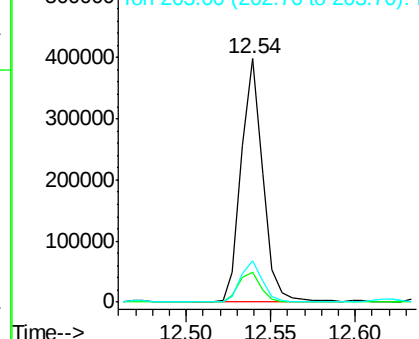
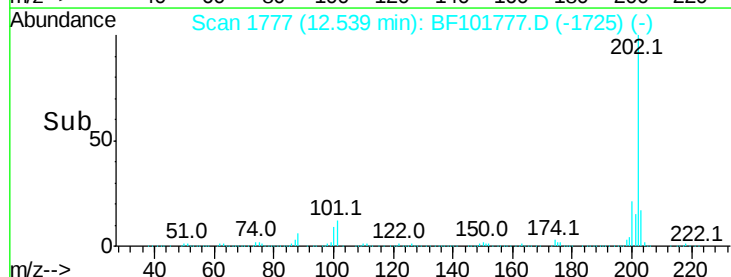


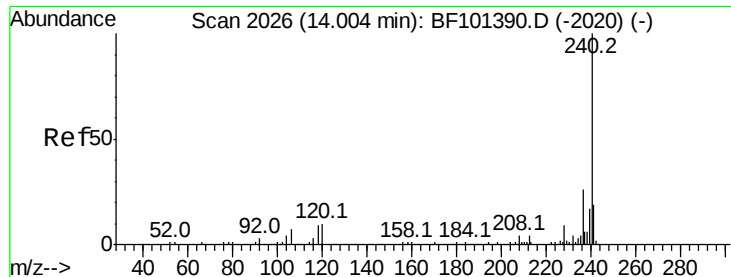
#74
 Fluoranthene
 Concen: 15.355 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Tgt Ion:202 Resp: 353931
 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

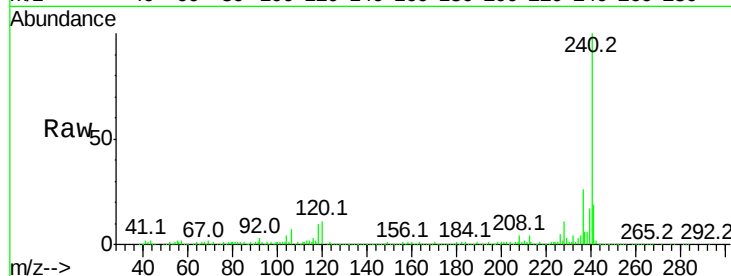
Tot Ion:240 Resp: 293325

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

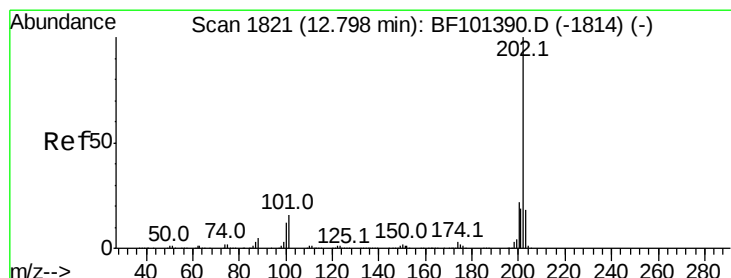
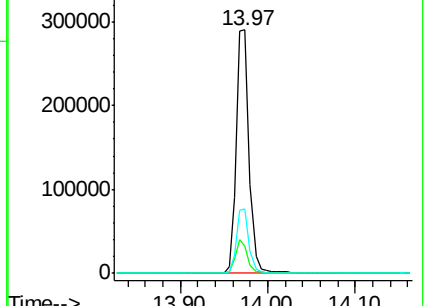
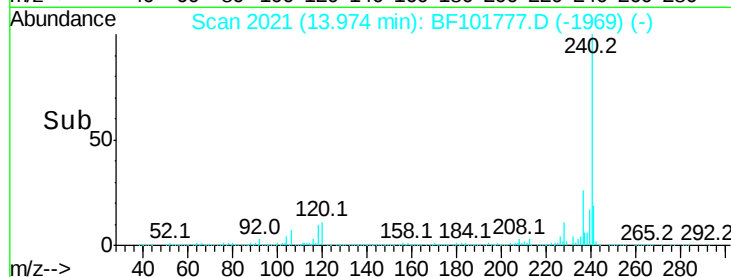
236 26.4 20.7 31.1



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: 14.859 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

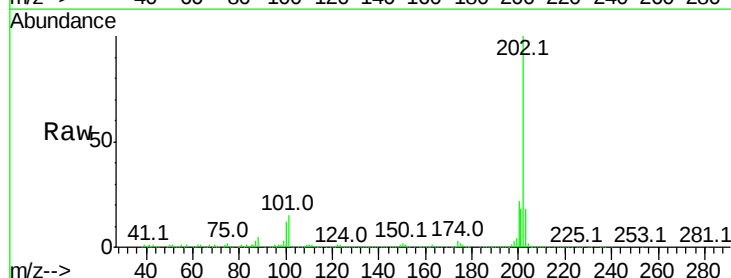
Tgt Ion:202 Resp: 327106

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

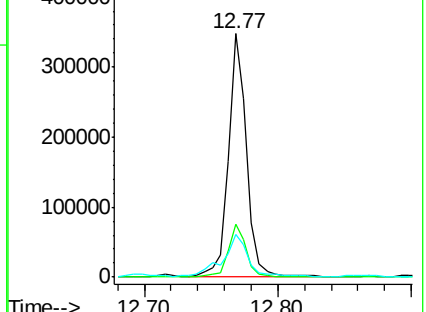
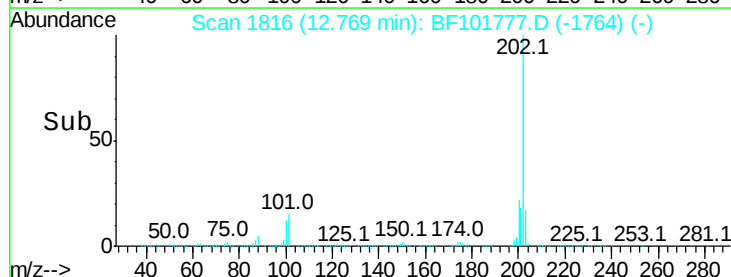
203 17.5 14.3 21.5

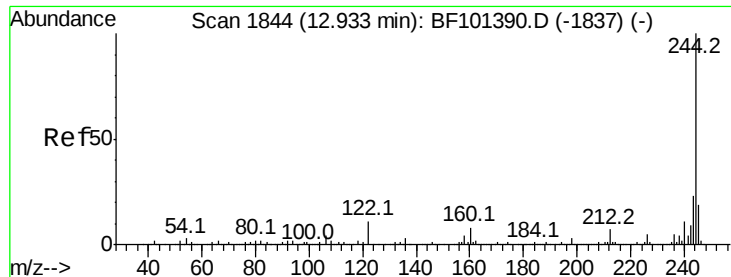


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.550 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

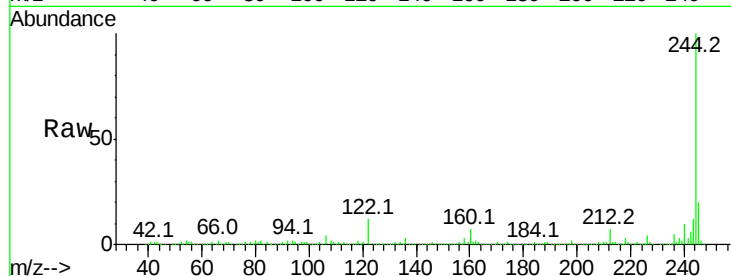
Tot Ion:244 Resp: 505547

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

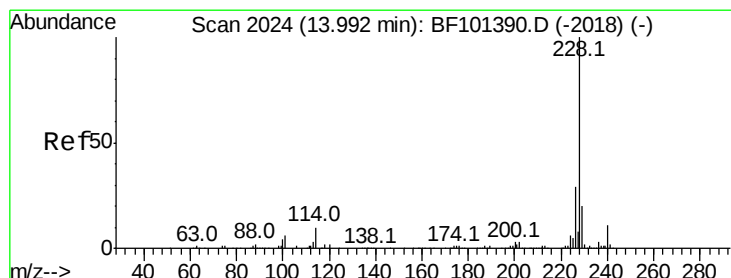
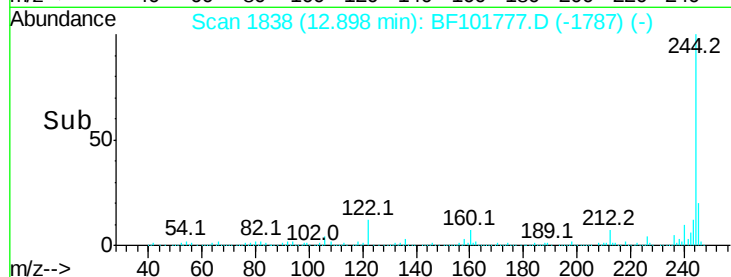
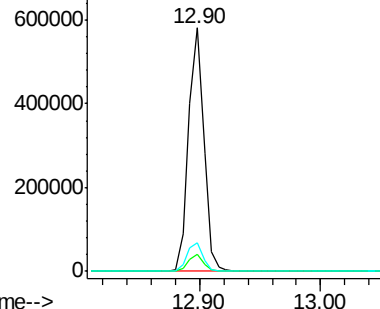
122 11.9 11.0 16.4



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: 10.045 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

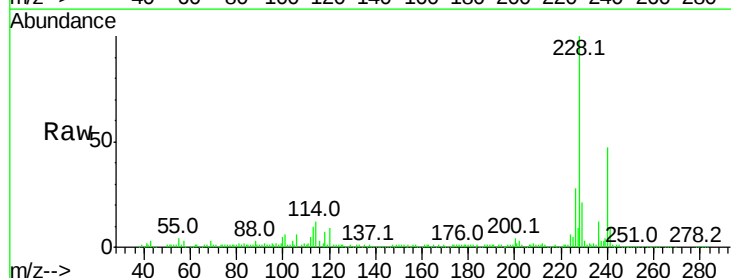
Tgt Ion:228 Resp: 194549

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

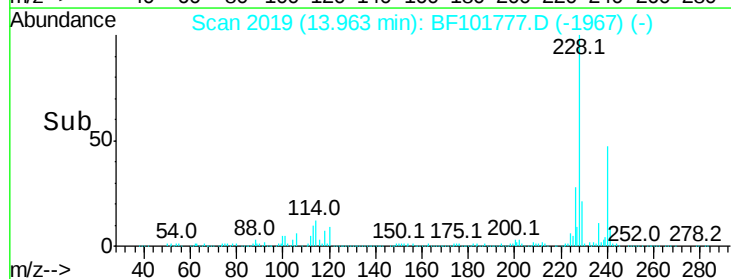
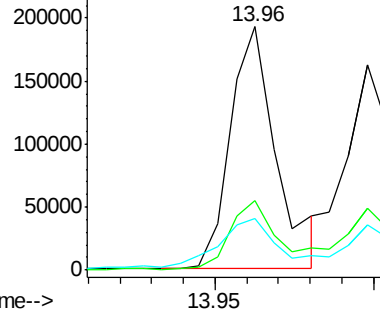
229 21.4 15.8 23.6

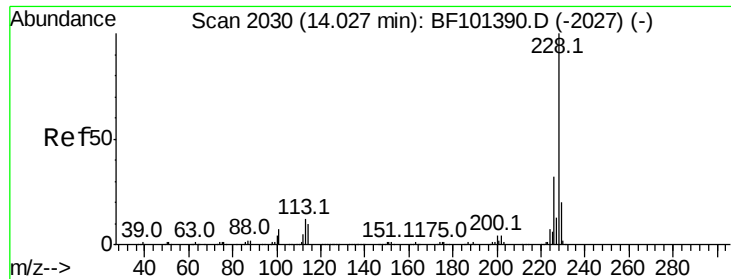


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.056 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

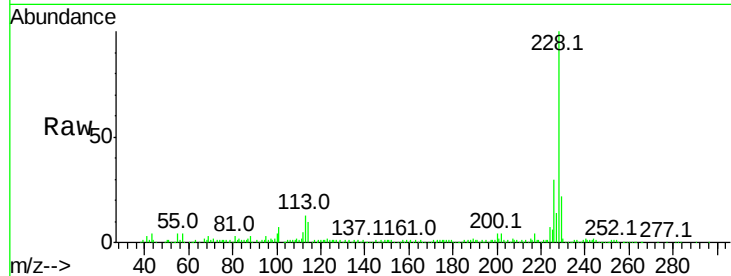
Tot Ion:228 Resp: 165609

Ion Ratio Lower Upper

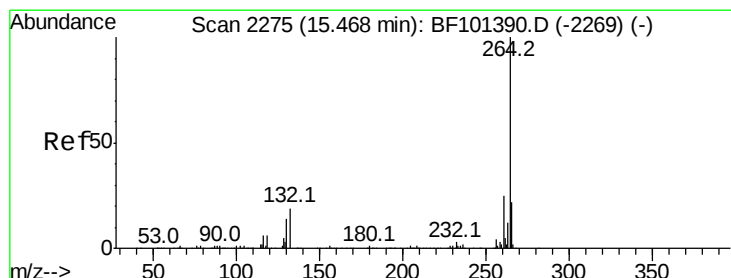
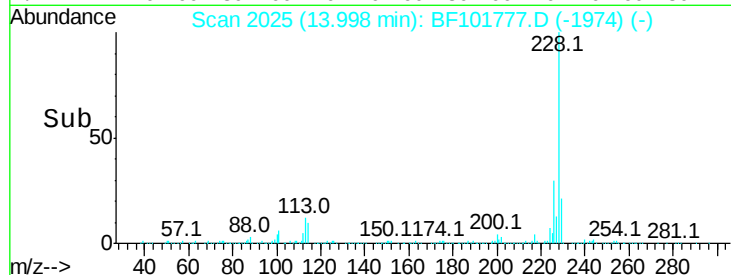
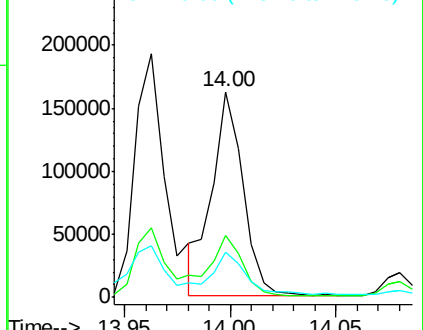
228 100

226 30.2 25.0 37.6

229 21.9 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

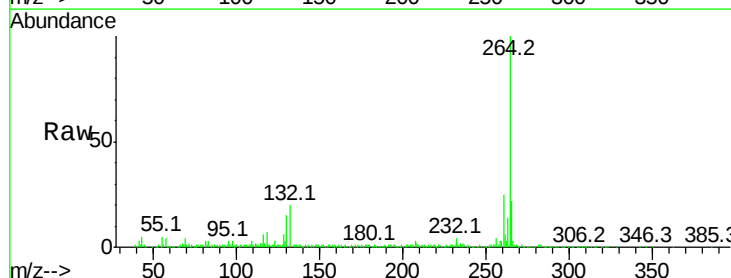
Tgt Ion:264 Resp: 273800

Ion Ratio Lower Upper

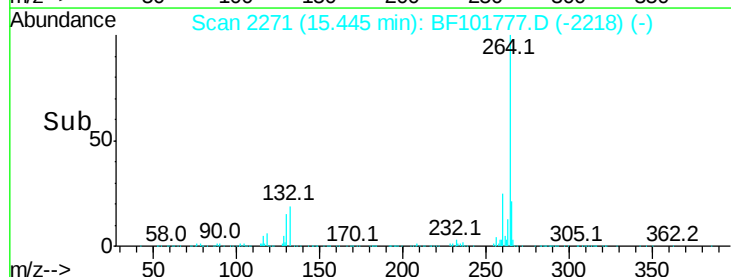
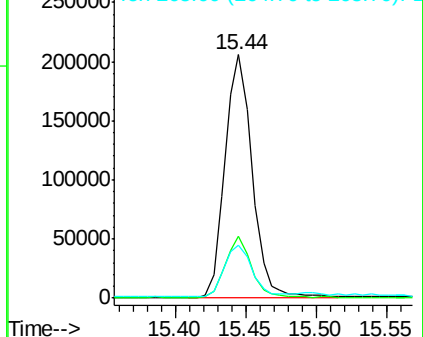
264 100

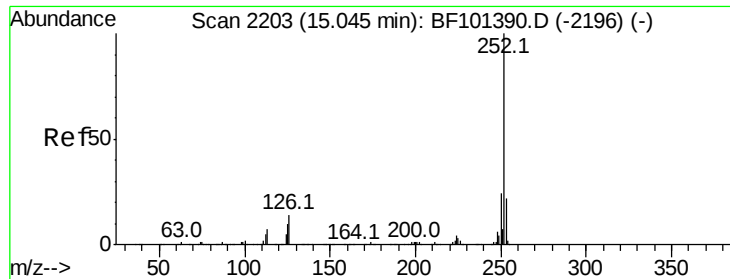
260 25.3 19.2 28.8

265 21.9 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: 16.446 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

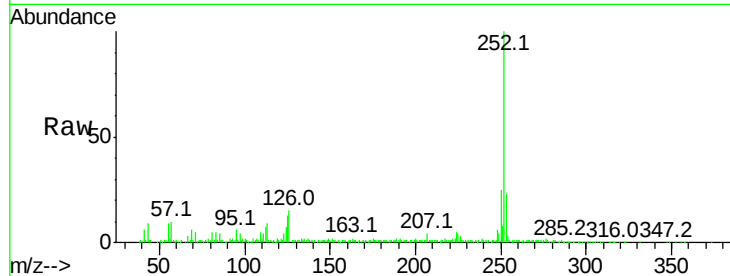
Tot Ion:252 Resp: 274465

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

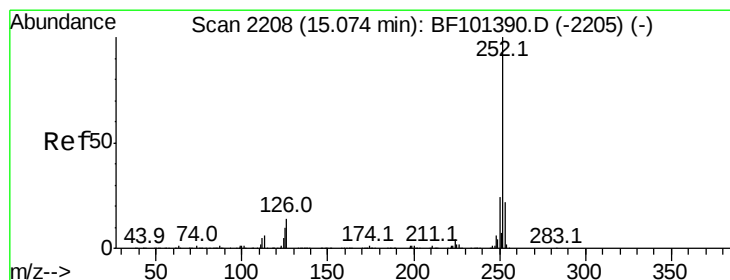
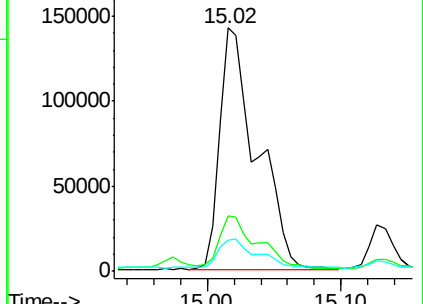
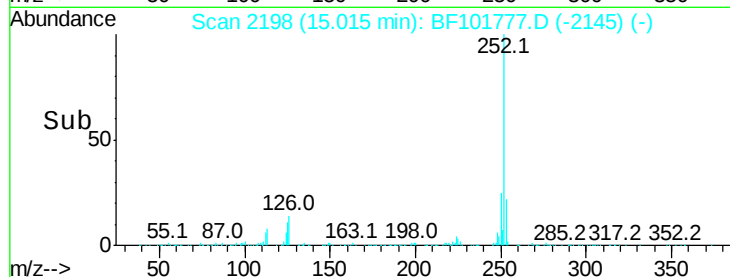
125 12.8 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 16.915 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

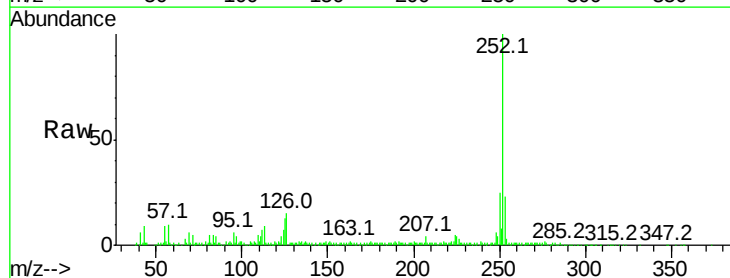
Tgt Ion:252 Resp: 274465

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

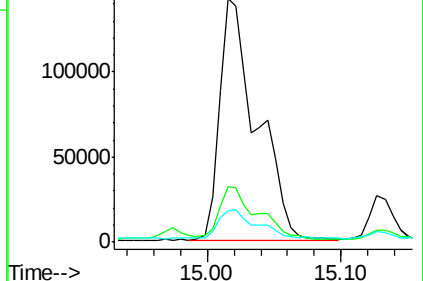
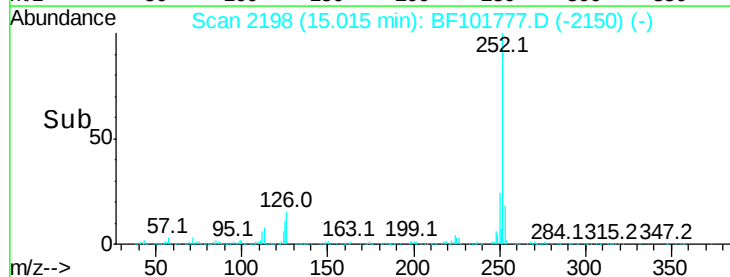
125 12.8 10.2 15.2

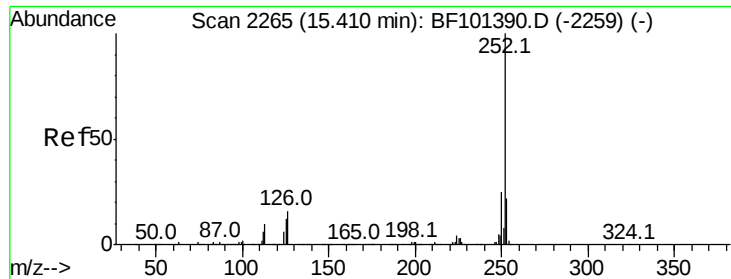


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

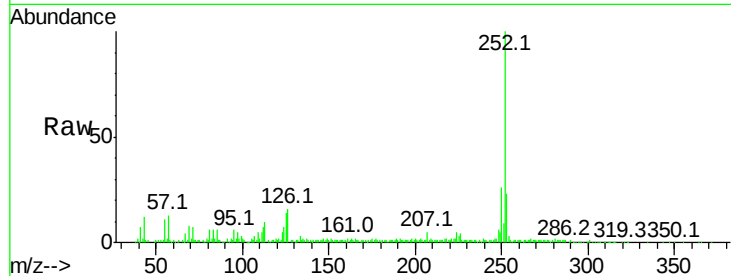




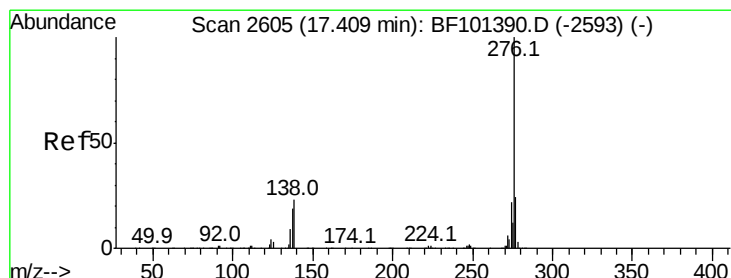
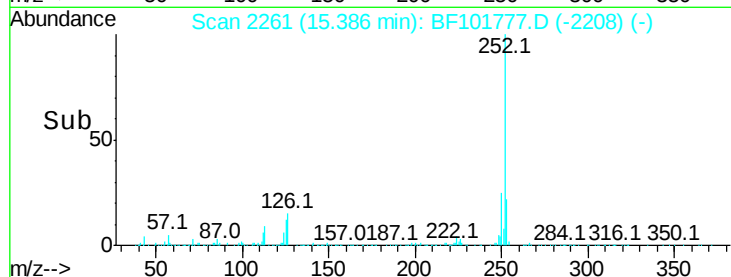
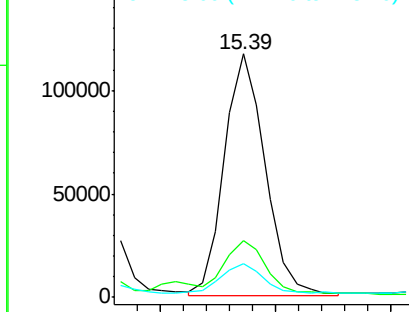
#89
Benzo(a)pyrene
Concen: 9.350 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.9	9.8	14.6

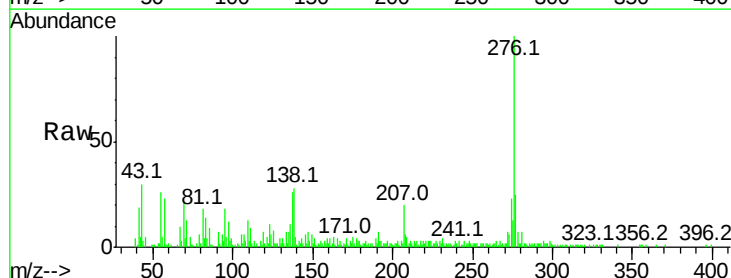


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.408 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.04 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	27.7	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

