

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101349.D
 Acq On : 13 Dec 2017 00:02
 Operator : SJ/JU
 Sample : I6822-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 01:11:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	46966	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	180093	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	76030	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	139240	20.00	ng	0.00
75) Chrysene-d12	14.01	240	115388	20.00	ng	0.00
86) Perylene-d12	15.49	264	94329	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	408861	143.85	ng	0.01
7) Phenol-d6	6.47	99	482746	139.90	ng	0.00
23) Nitrobenzene-d5	7.39	82	284205	94.14	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	112156	122.80	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	456542	82.16	ng	0.00
78) Terphenyl-d14	12.94	244	372479	70.61	ng	0.00

Target Compounds

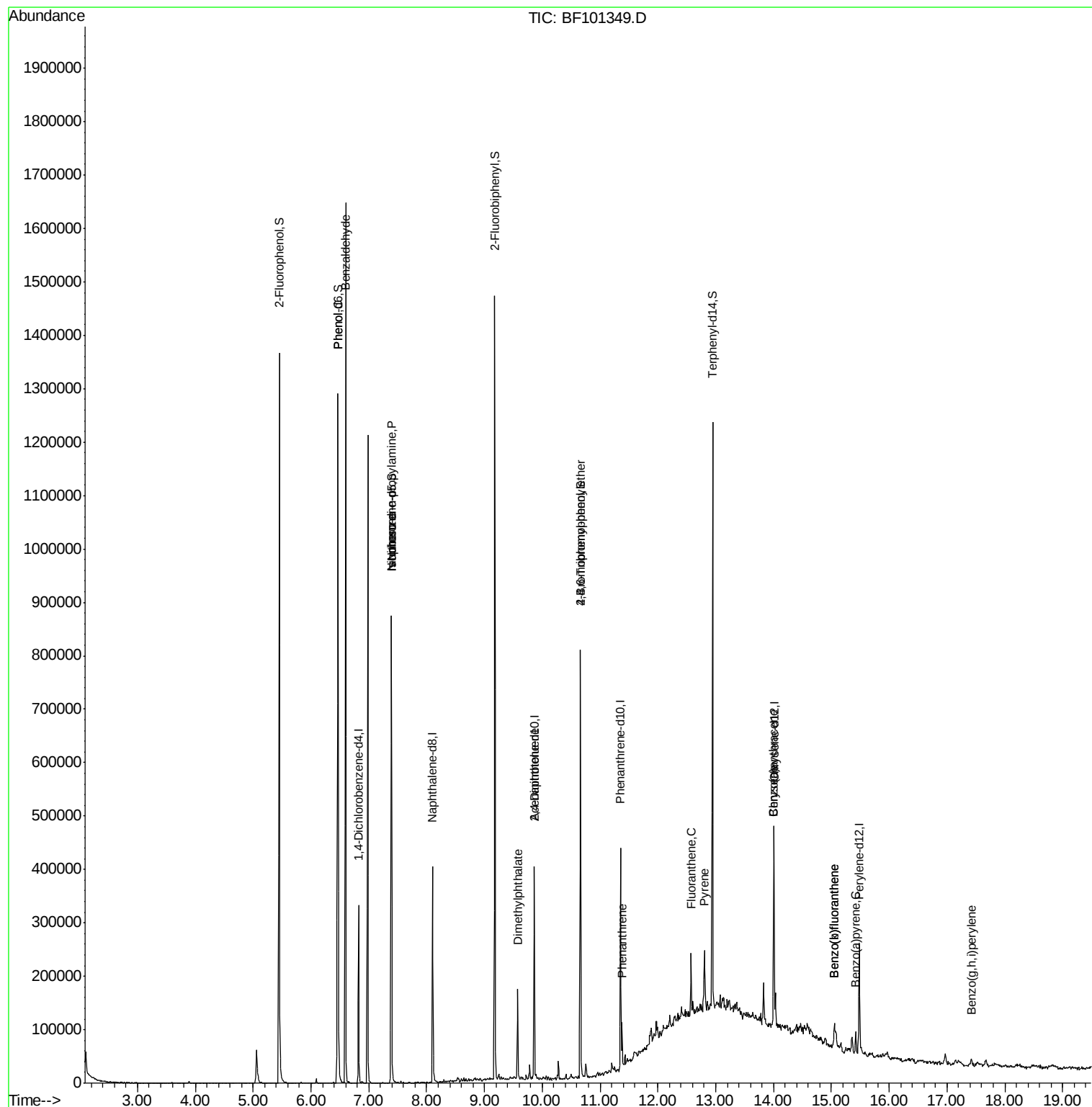
						Qvalue
9) Benzaldehyde	6.60	77	8241	3.902	ng	83
10) Phenol	6.47	94	13967	3.640	ng	# 65
19) n-Nitroso-di-n-propylamine	7.39	70	37057	15.946	ng	# 81
25) Isophorone	7.39	82	284202	55.112	ng	# 64
49) Dimethylphthalate	9.57	163	62006	10.112	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	10172	5.877	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	7078	4.541	ng	# 1
70) Phenanthrene	11.38	178	29824	3.889	ng	99
74) Fluoranthene	12.57	202	38285	4.504	ng	93
77) Pyrene	12.80	202	42262	5.308	ng	99
80) Benzo(a)anthracene	14.00	228	25038	3.437	ng	98
82) Chrysene	14.00	228	25076	3.706	ng	96
87) Benzo(b)fluoranthene	15.06	252	32831	5.811	ng	# 90
88) Benzo(k)fluoranthene	15.06	252	32831	5.898	ng	# 93
89) Benzo(a)pyrene	15.42	252	20016	3.897	ng	# 91
91) Benzo(g,h,i)perylene	17.42	276	9169	2.149	ng	# 90

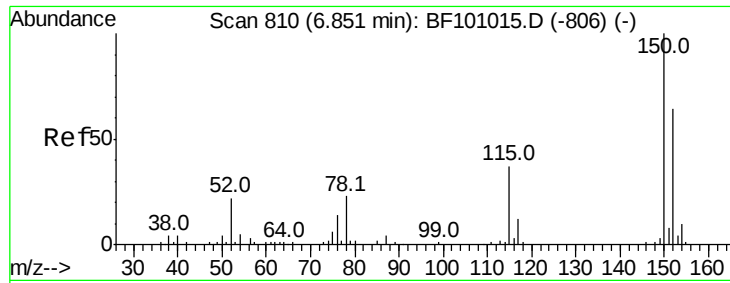
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
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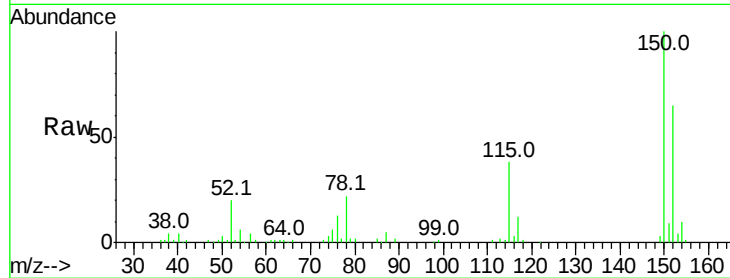


#1

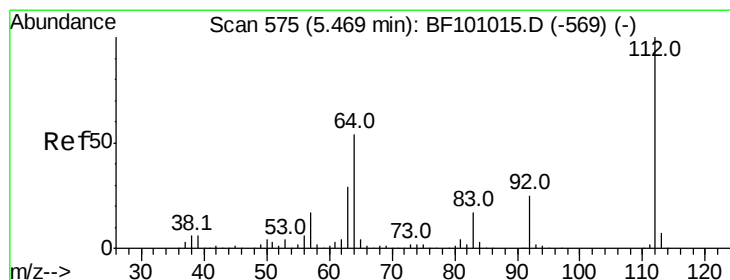
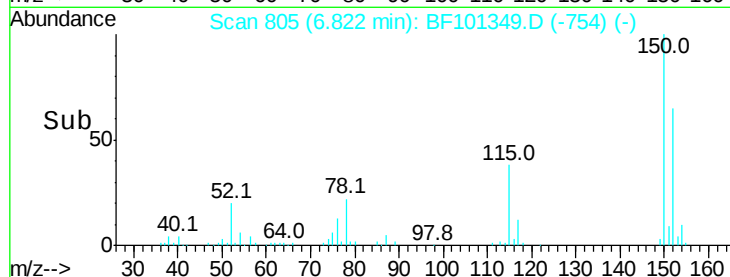
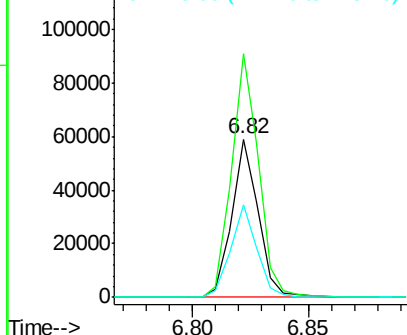
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 46966
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 58.2 50.1 75.1



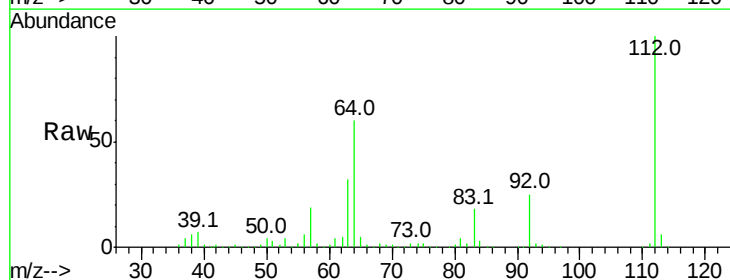
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



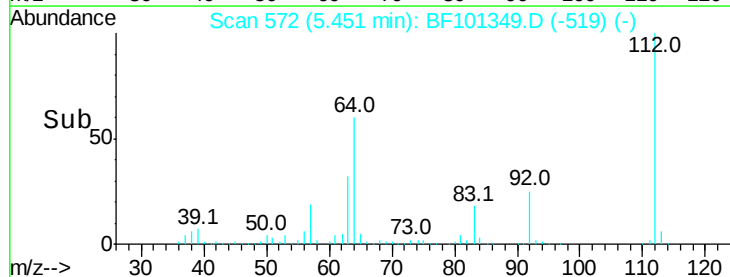
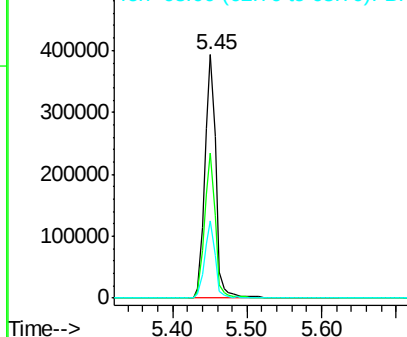
#5

2-Fluorophenol
Concen: 143.853 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Tgt Ion:112 Resp: 408861
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 31.8 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: 139.897 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

Instrument :

BNA_F

ClientSampled :

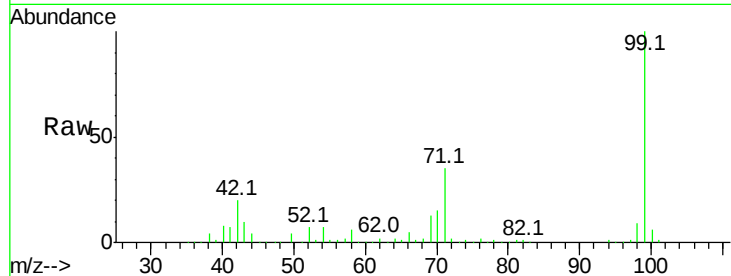
Tot Ion: 99 Resp: 482746

Ion Ratio Lower Upper

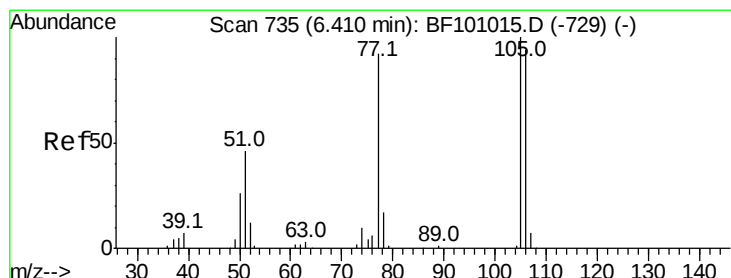
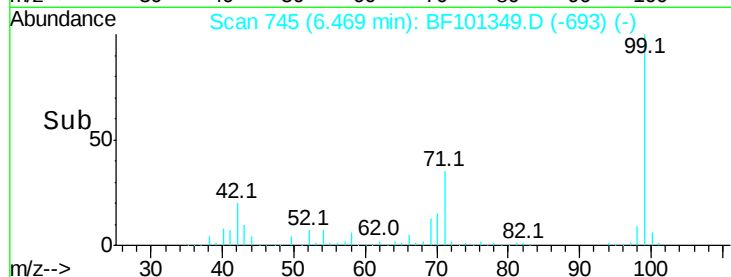
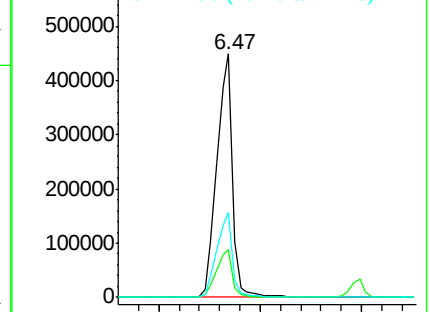
99 100

42 19.6 14.5 21.7

71 34.8 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



#9

Benzaldehyde

Concen: 3.902 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

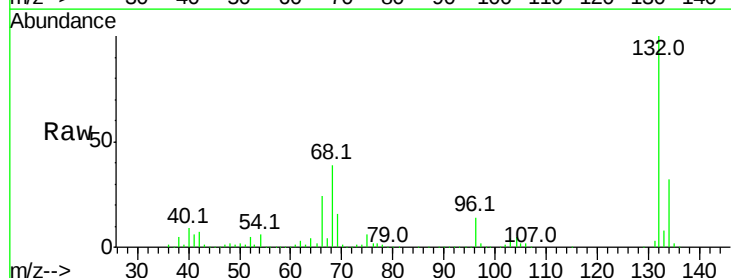
Tgt Ion: 77 Resp: 8241

Ion Ratio Lower Upper

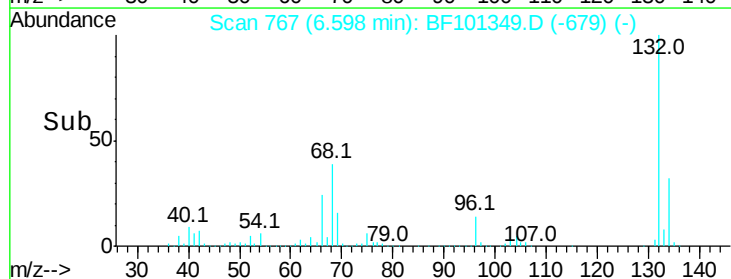
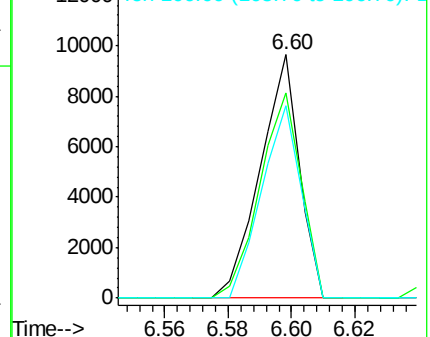
77 100

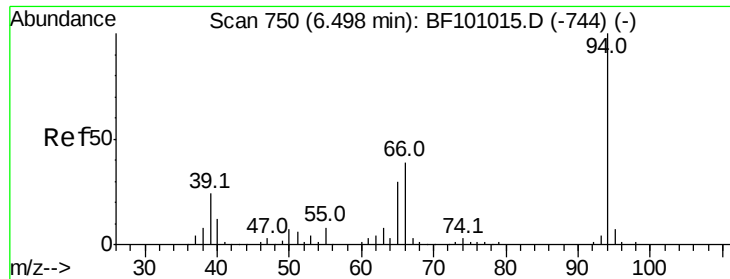
105 84.2 81.1 121.1

106 78.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

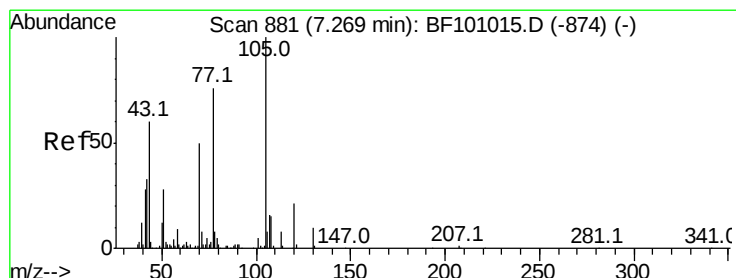
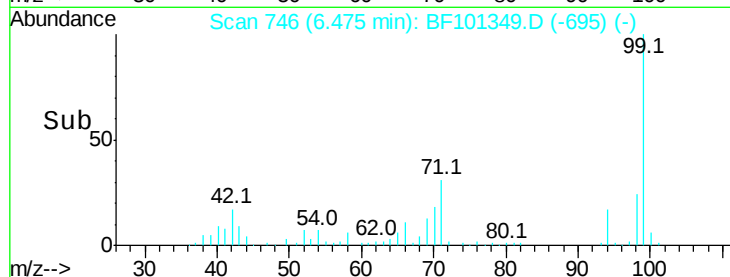
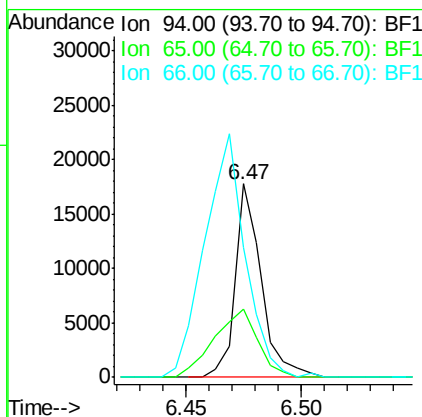
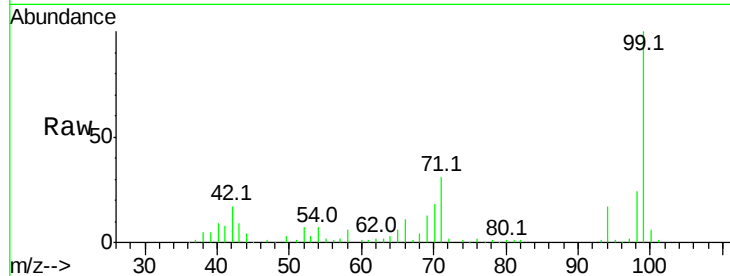




#10
Phenol
Concen: 3.640 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

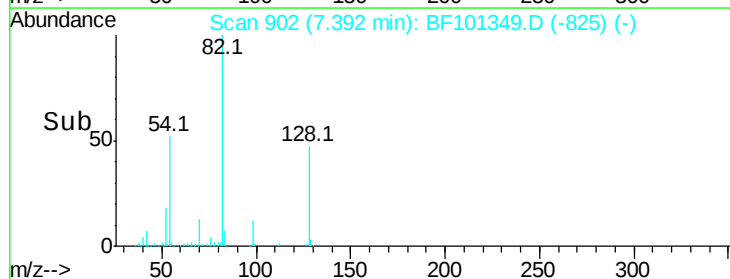
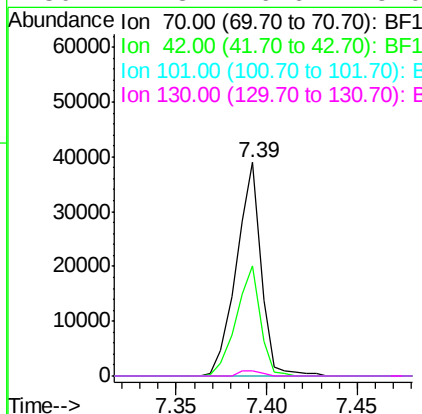
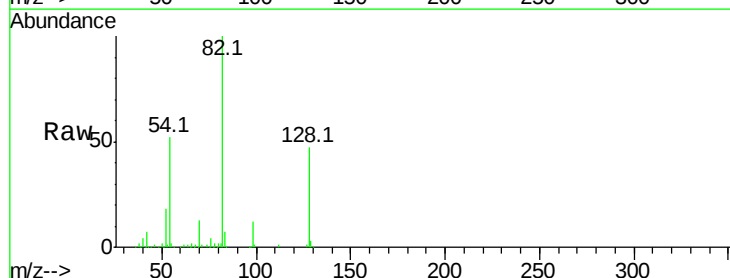
Instrument :
BNA_F
ClientSampleId :

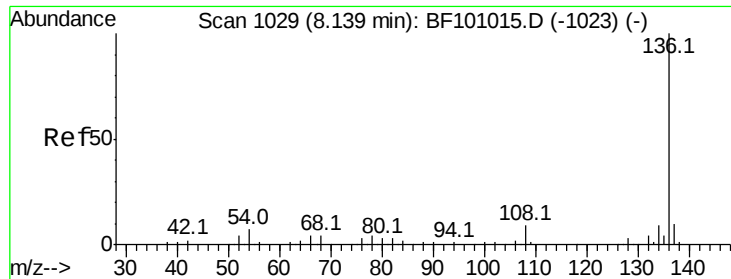
Tot Ion: 94 Resp: 13967
Ion Ratio Lower Upper
94 100
65 35.0 7.9 47.9
66 66.7 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 15.946 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Tgt Ion: 70 Resp: 37057
Ion Ratio Lower Upper
70 100
42 51.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

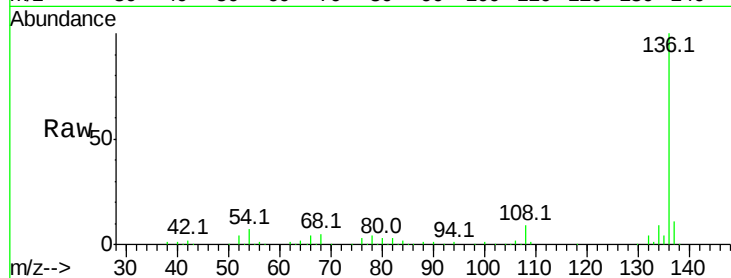




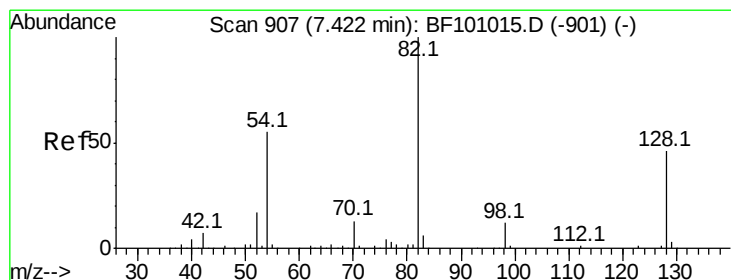
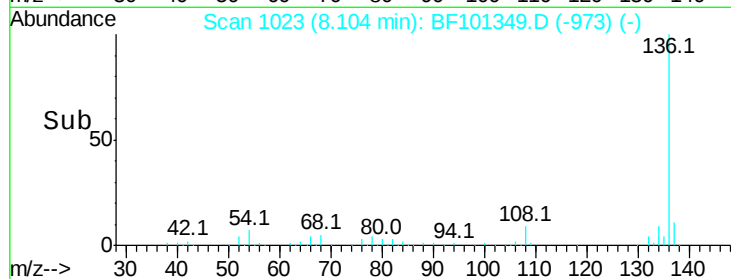
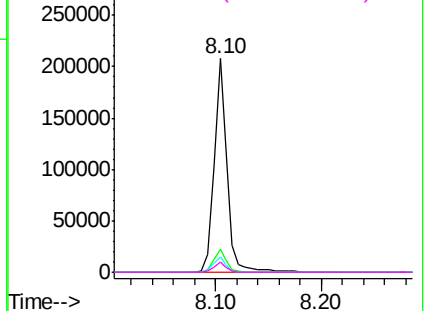
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 180093
Ion Ratio	Lower Upper
136 100	
137 10.7	8.9 13.3
54 7.5	6.6 9.8
68 4.7	5.0 7.4#

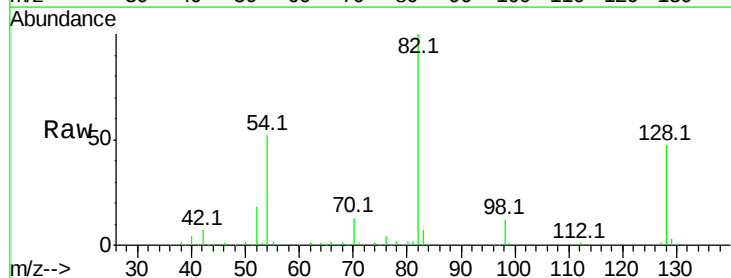


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

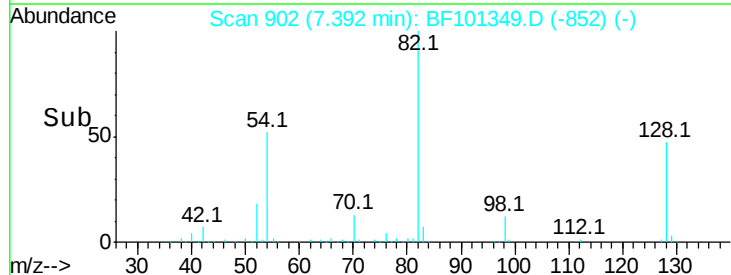
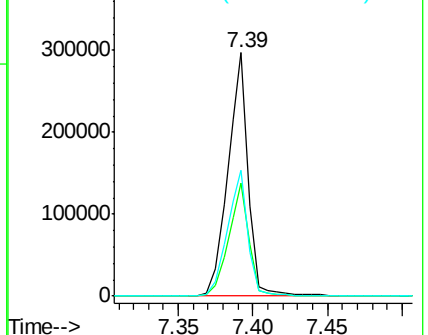


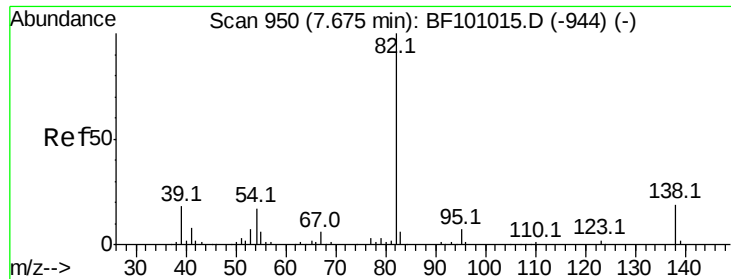
#23
Nitrobenzene-d5
Concen: 94.139 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Tgt	Ion: 82	Resp:	284205
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	51.9	41.4	62.2



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

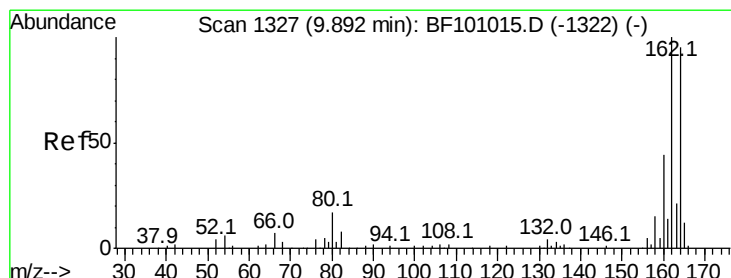
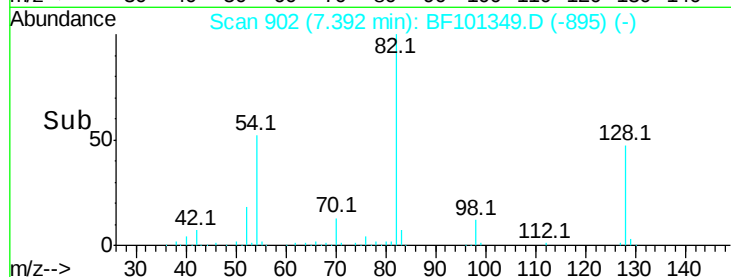
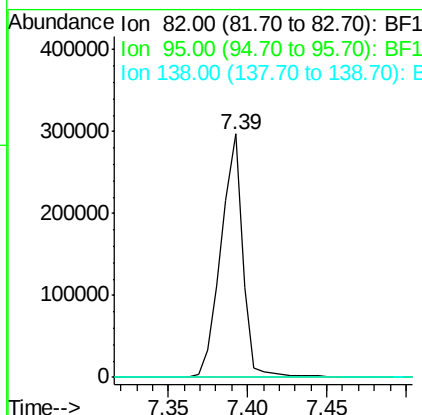
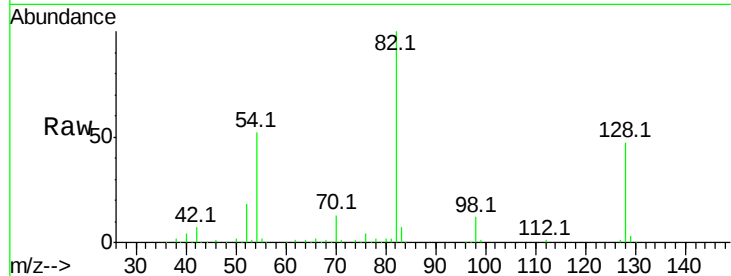




#25
Isophorone
Concen: 55.112 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

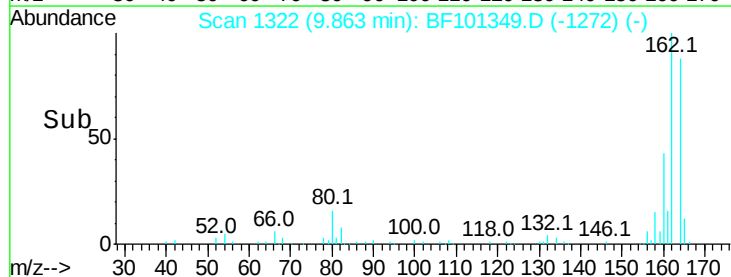
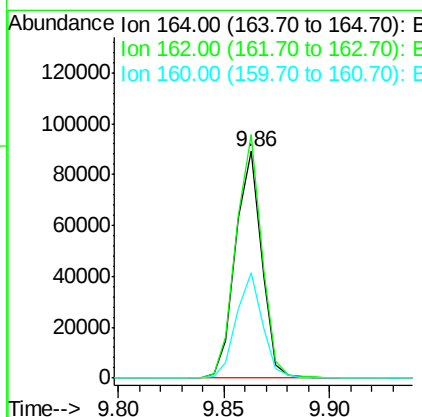
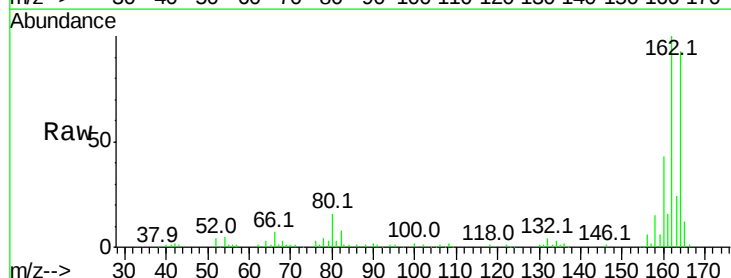
Instrument :
BNA_F
ClientSampleId :

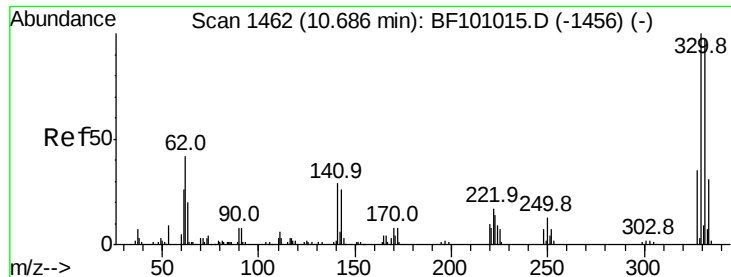
Tot Ion: 82 Resp: 284202
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Tgt Ion:164 Resp: 76030
Ion Ratio Lower Upper
164 100
162 107.4 86.1 129.1
160 46.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 122.798 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

Instrument :

BNA_F

ClientSampled :

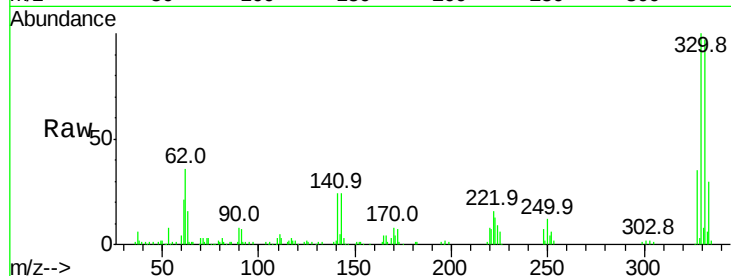
Tot Ion:330 Resp: 112156

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

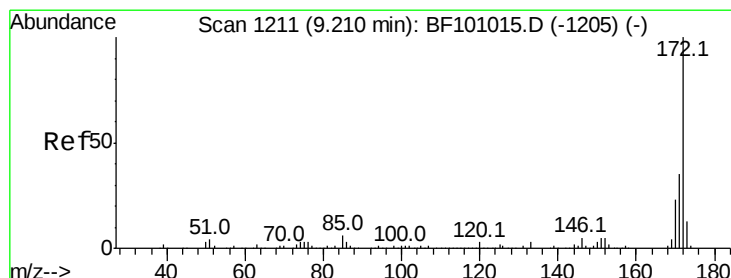
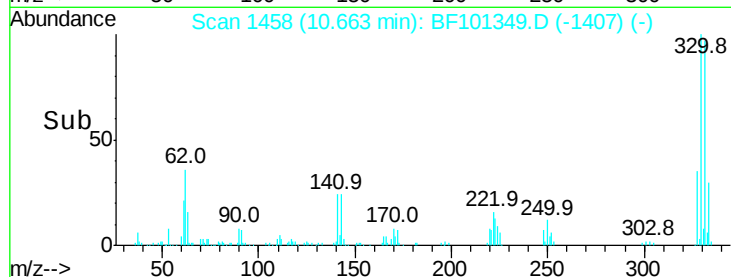
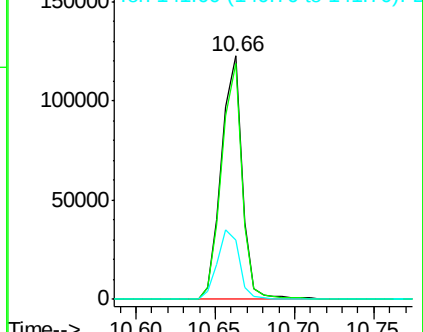
141 30.1 29.9 44.9



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: 82.157 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

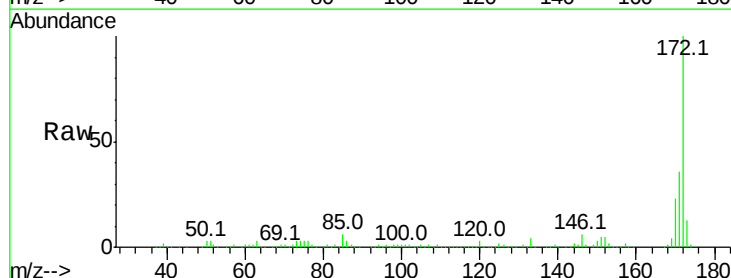
Tgt Ion:172 Resp: 456542

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

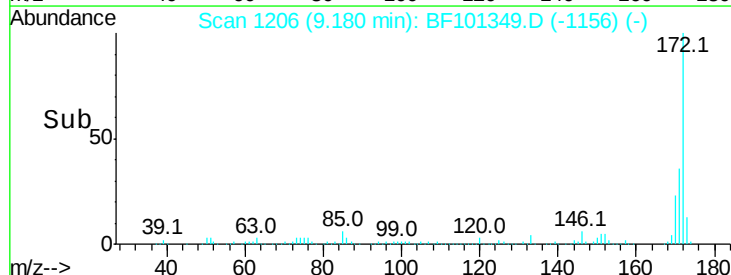
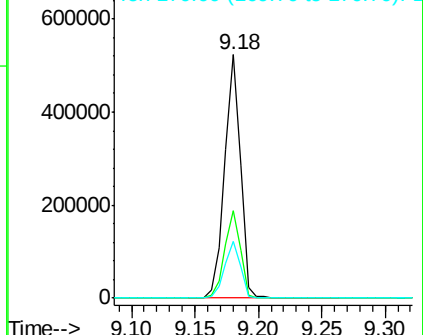
170 23.3 19.6 29.4

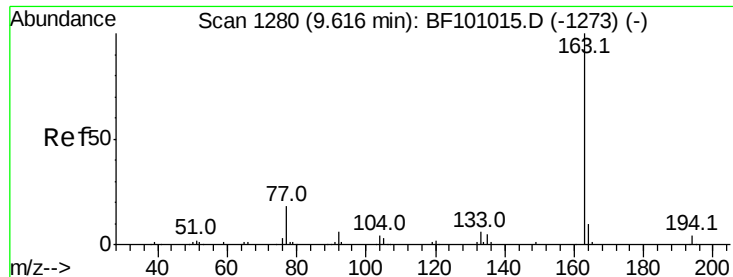


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

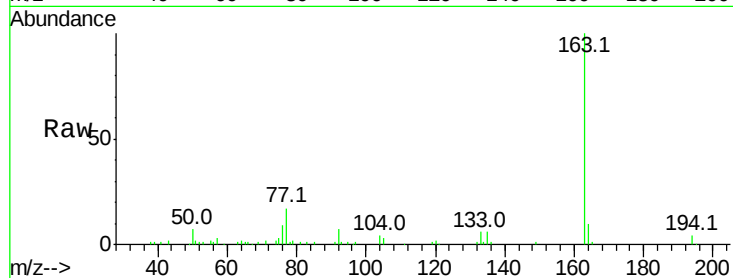




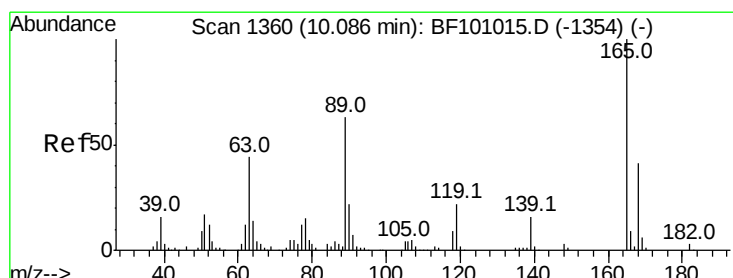
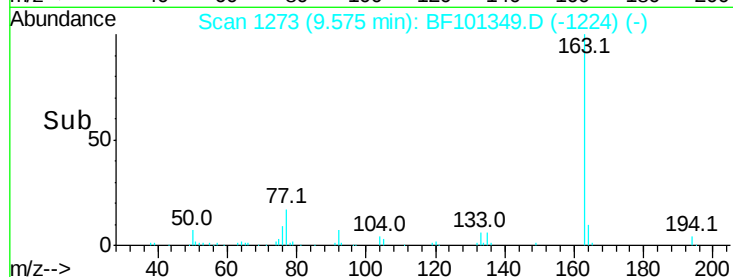
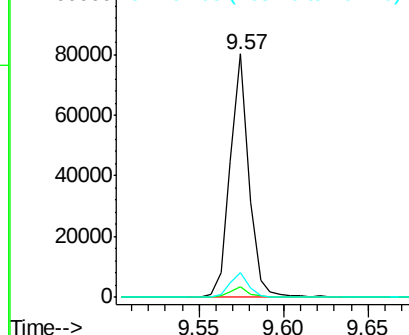
#49
 Dimethylphthalate
 Concen: 10.112 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: BF101349.D
 Acq: 13 Dec 2017 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	163	Resp:	62006
Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	10.0	8.2	12.2

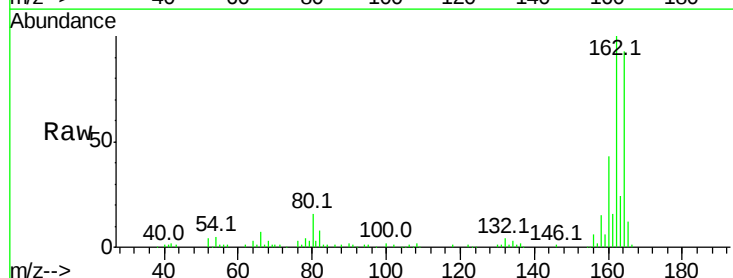


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

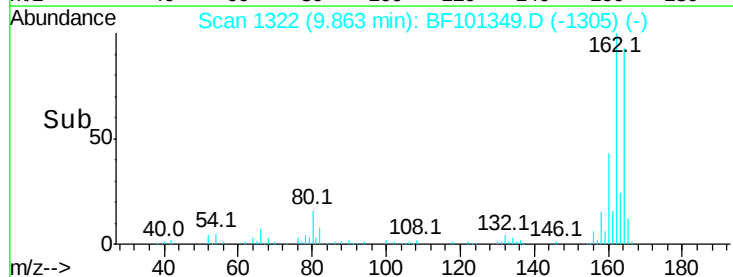
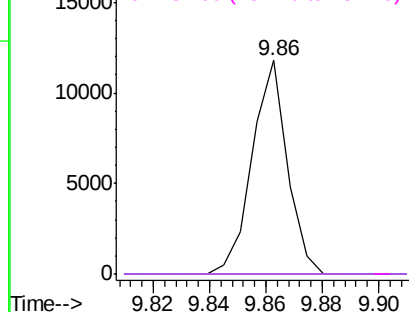


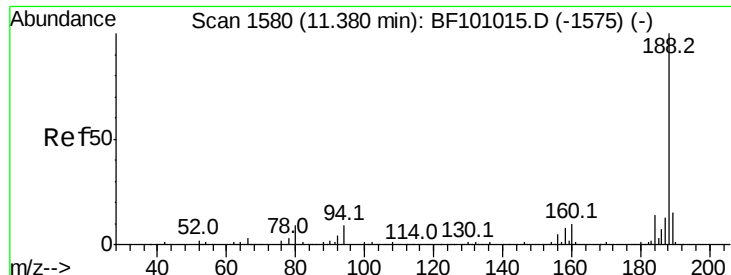
#56
 2,4-Dinitrotoluene
 Concen: 5.877 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101349.D
 Acq: 13 Dec 2017 00:02

Tgt Ion:	165	Resp:	10172
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	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

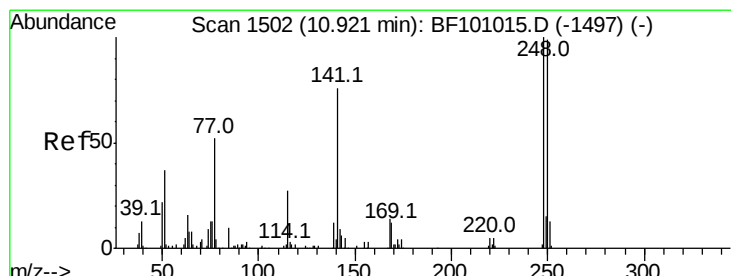
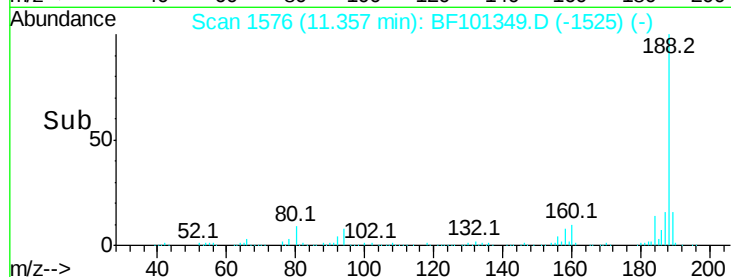
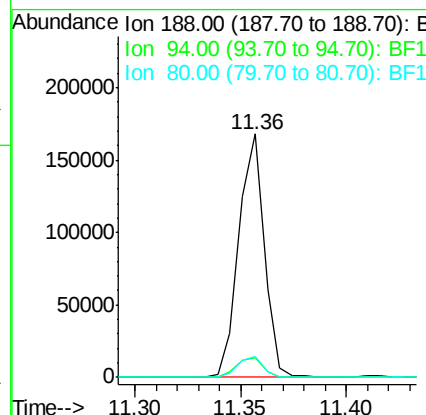
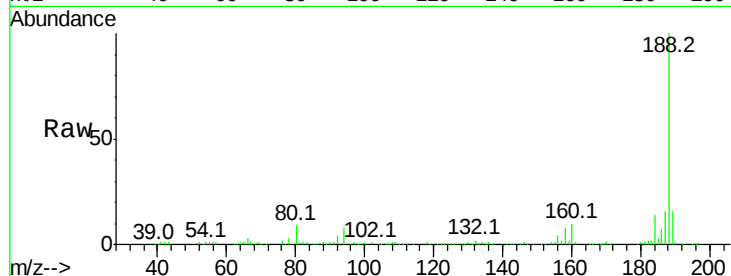




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF101349.D
 Acq: 13 Dec 2017 00:02

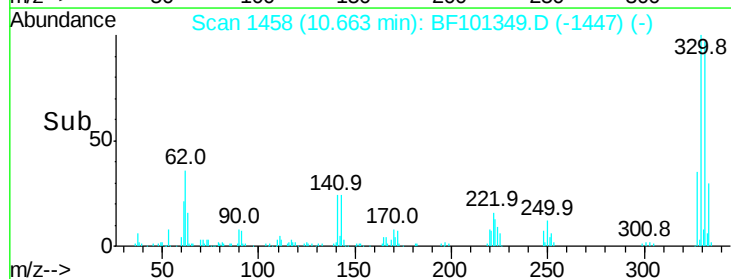
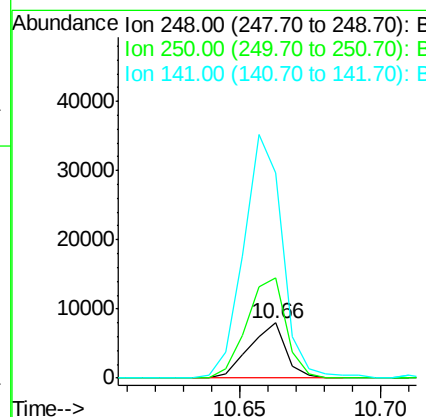
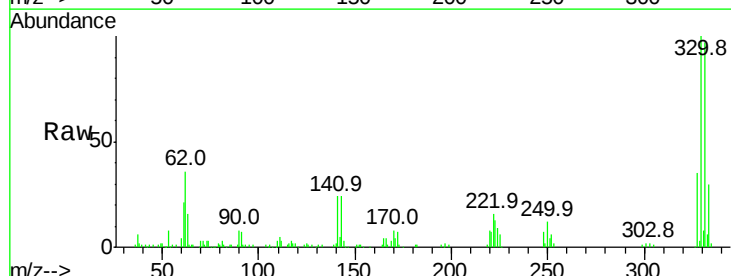
Instrument :
 BNA_F
 ClientSampleId :

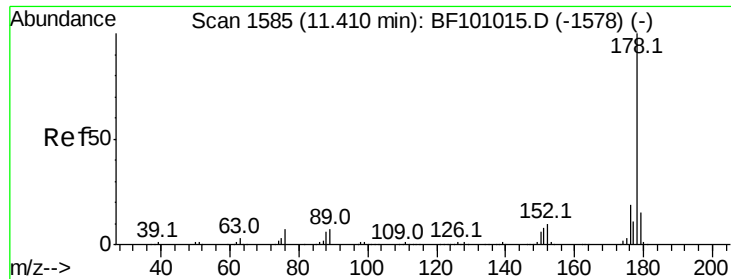
Tot Ion:188 Resp: 139240
 Ion Ratio Lower Upper
 188 100
 94 7.9 8.5 12.7#
 80 8.6 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.541 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF101349.D
 Acq: 13 Dec 2017 00:02

Tgt Ion:248 Resp: 7078
 Ion Ratio Lower Upper
 248 100
 250 182.5 76.9 115.3#
 141 373.3 74.4 111.6#

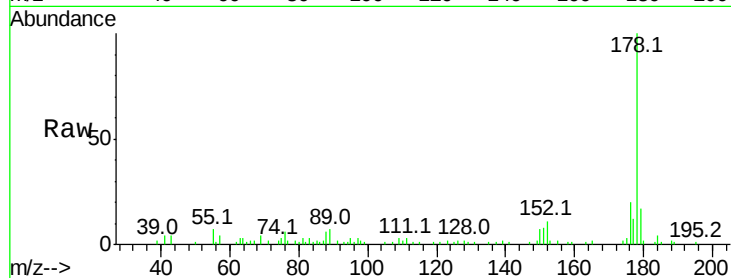




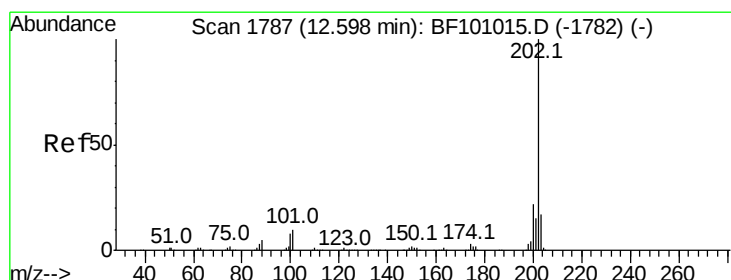
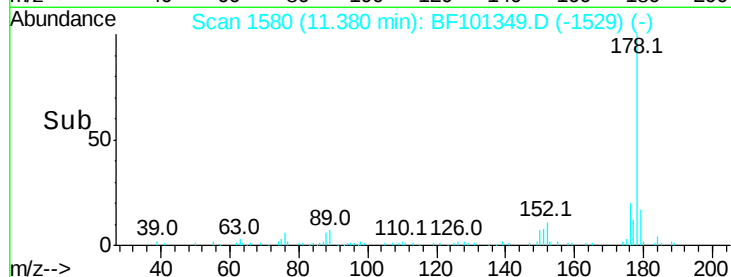
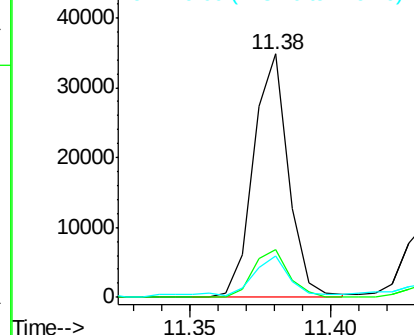
#70
Phenanthrene
Concen: 3.889 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 29824
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 16.9 13.0 19.6

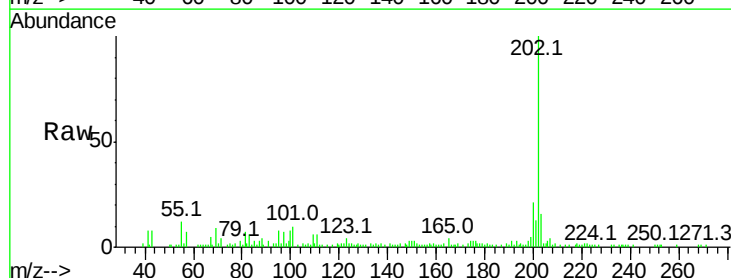


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

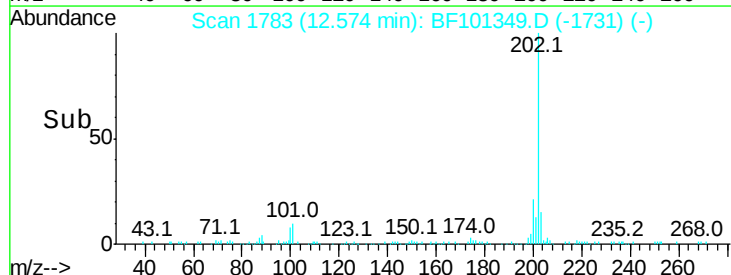
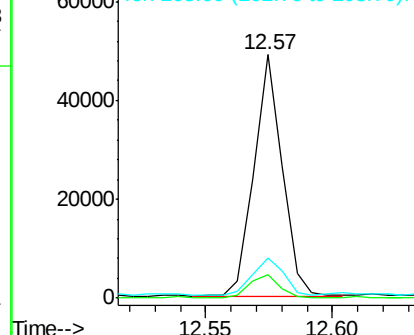


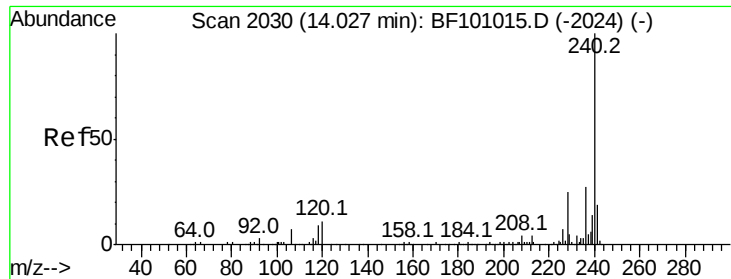
#74
Fluoranthene
Concen: 4.504 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101349.D
Acq: 13 Dec 2017 00:02

Tgt Ion:202 Resp: 38285
Ion Ratio Lower Upper
202 100
101 9.5 0.0 34.1
203 16.2 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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

Instrument :

BNA_F

ClientSampleId :

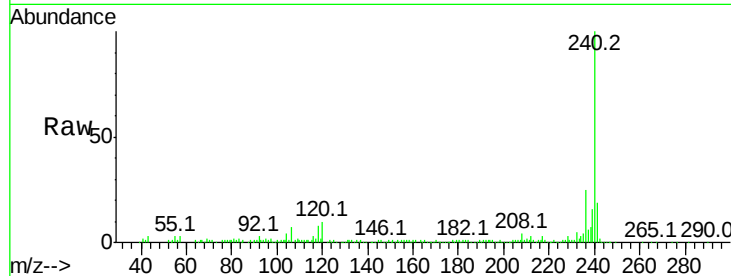
Tot Ion:240 Resp: 115388

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

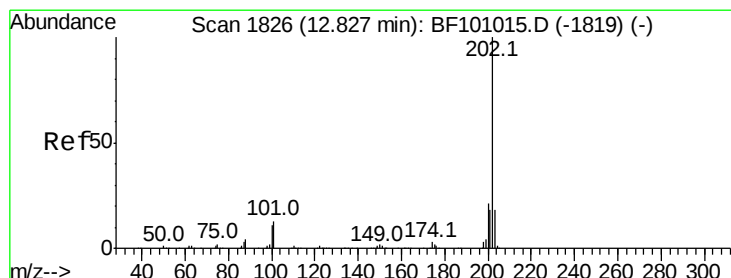
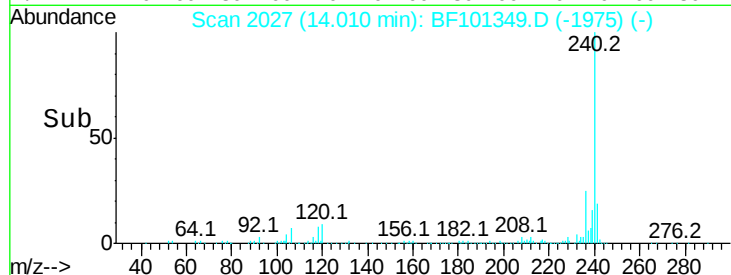
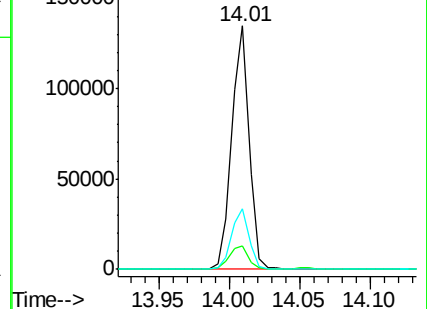
236 25.0 20.7 31.1



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: 5.308 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

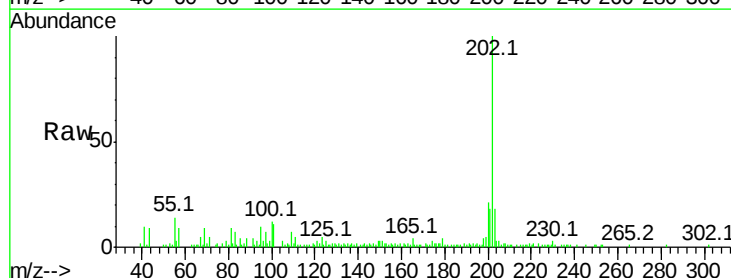
Tgt Ion:202 Resp: 42262

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

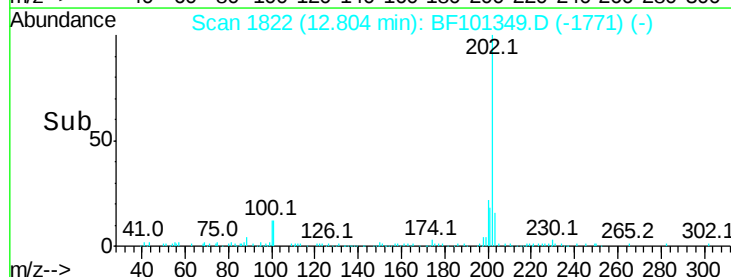
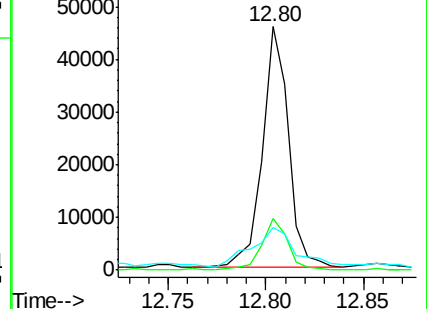
203 17.7 14.3 21.5

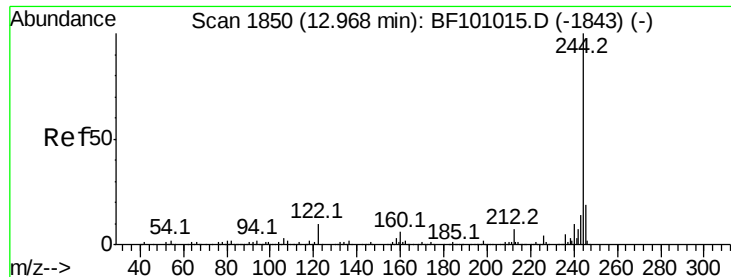


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.606 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

Instrument :

BNA_F

ClientSampleId :

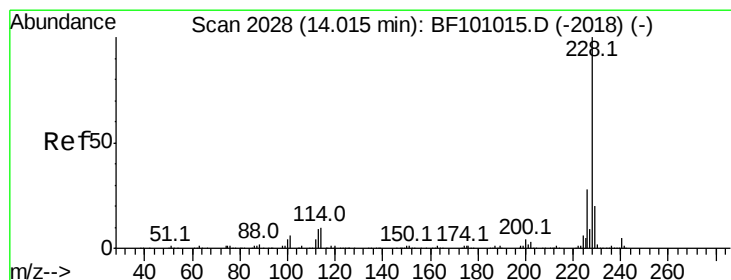
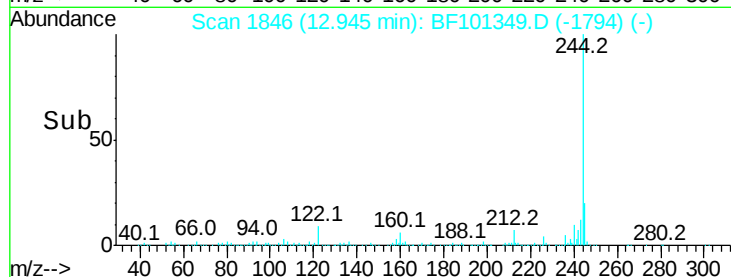
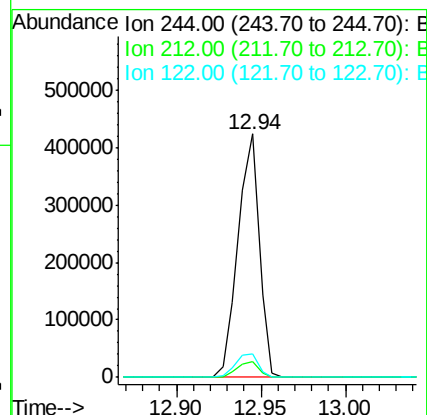
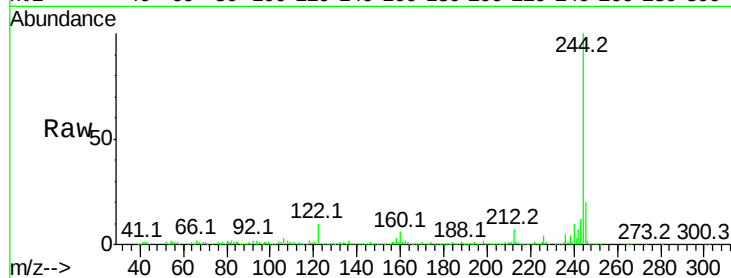
Tot Ion:244 Resp: 372479

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 9.6 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 3.437 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

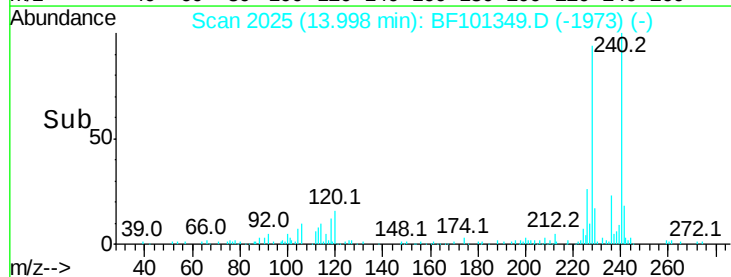
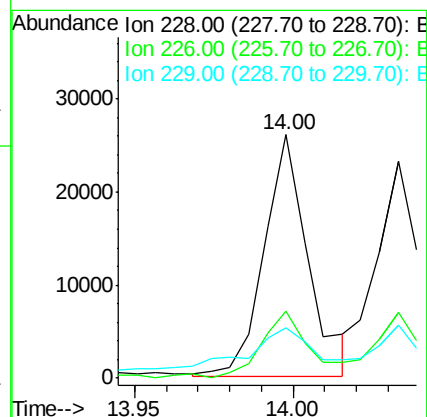
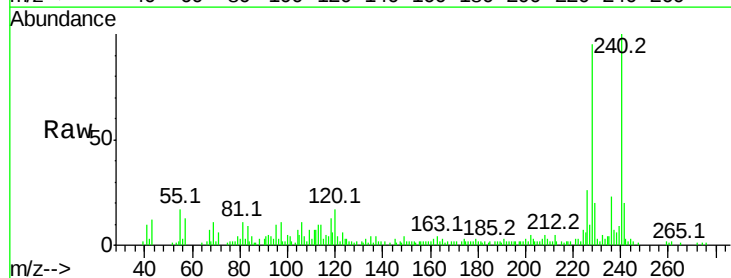
Tgt Ion:228 Resp: 25038

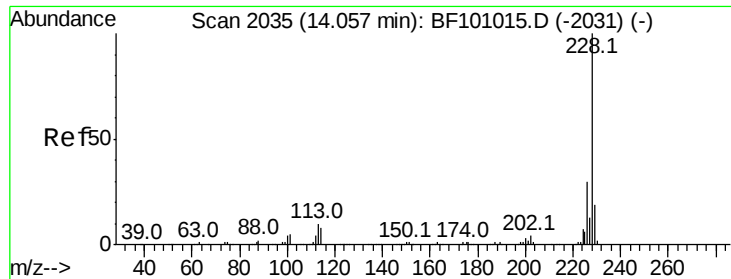
Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

229 20.7 15.8 23.6





#82

Chrysene

Concen: 3.706 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

Instrument :

BNA_F

ClientSampleId :

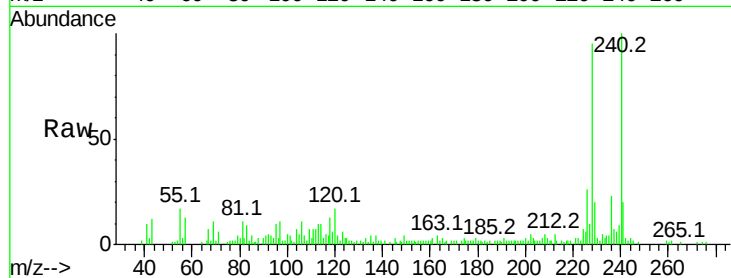
Tot Ion:228 Resp: 25076

Ion Ratio Lower Upper

228 100

226 27.6 25.0 37.6

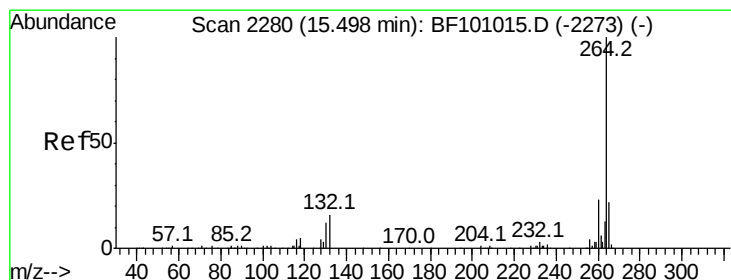
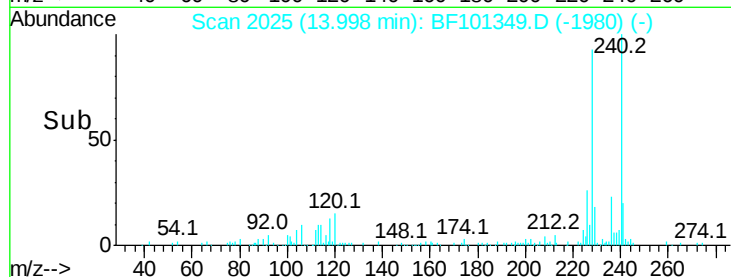
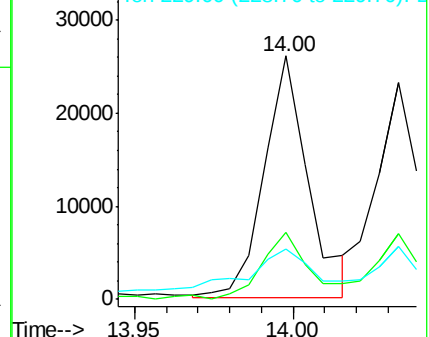
229 20.7 16.2 24.4



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: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

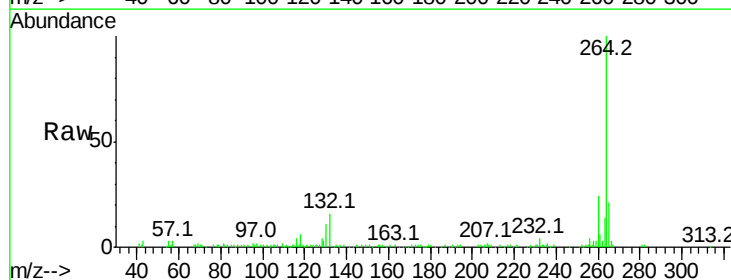
Tgt Ion:264 Resp: 94329

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

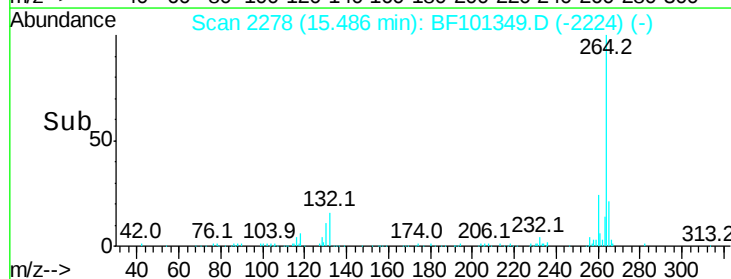
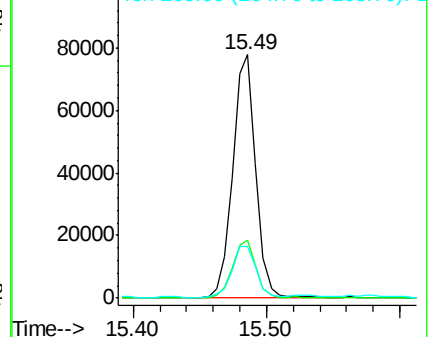
265 21.4 17.5 26.3

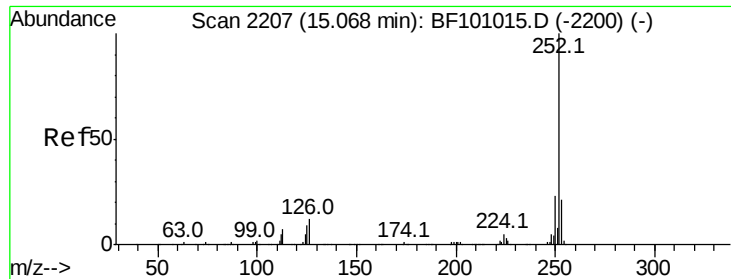


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.811 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

Instrument :

BNA_F

ClientSampleId :

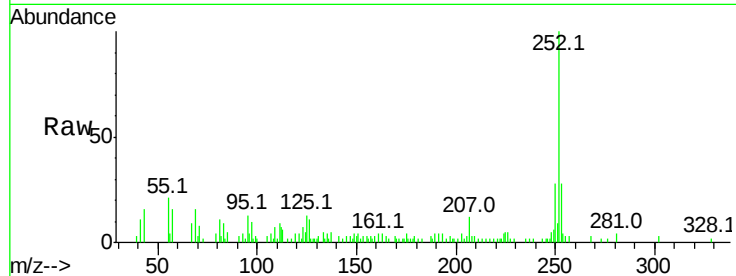
Tot Ion:252 Resp: 32831

Ion Ratio Lower Upper

252 100

253 27.5 17.0 25.6#

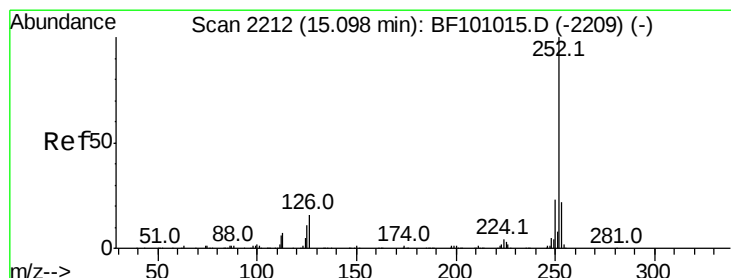
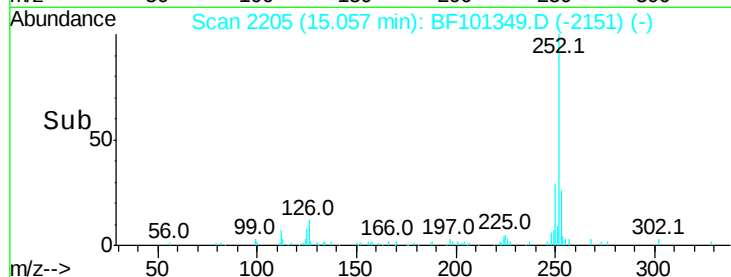
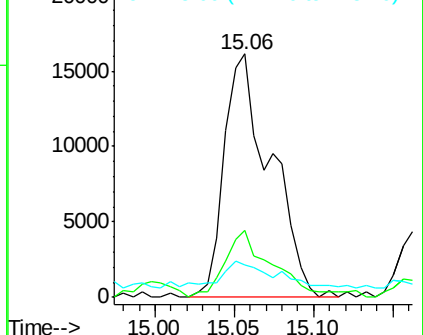
125 13.2 9.0 13.6



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: 5.898 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

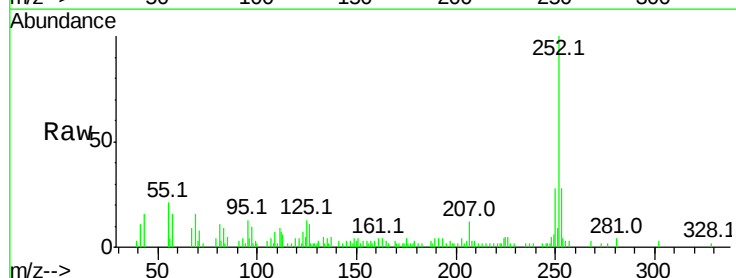
Tgt Ion:252 Resp: 32831

Ion Ratio Lower Upper

252 100

253 27.5 17.9 26.9#

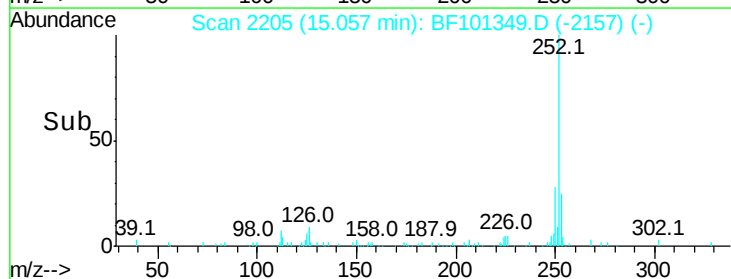
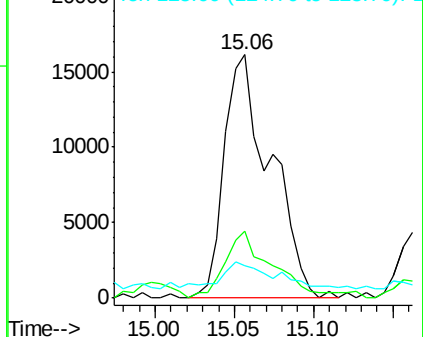
125 13.2 10.2 15.2

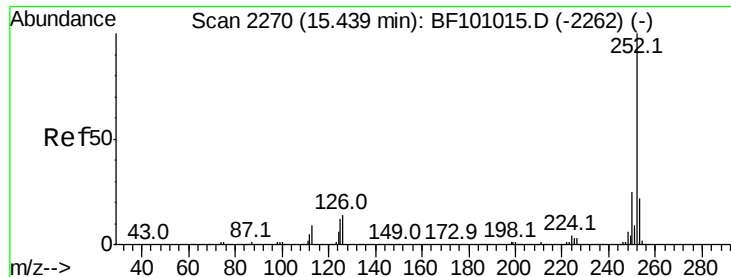


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.897 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

Instrument :

BNA_F

ClientSampleId :

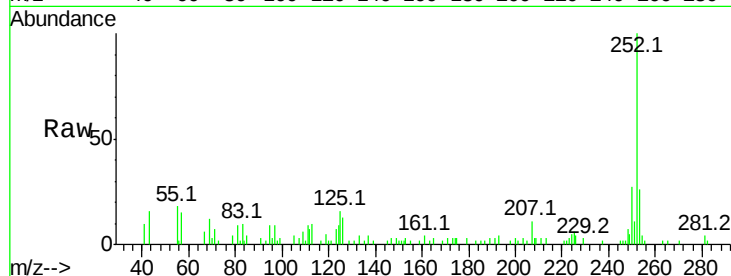
Tot Ion:252 Resp: 20016

Ion Ratio Lower Upper

252 100

253 25.9 17.1 25.7#

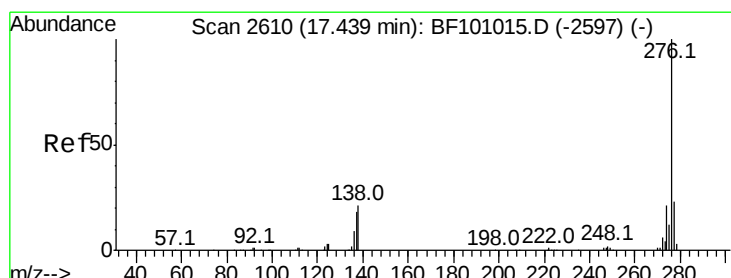
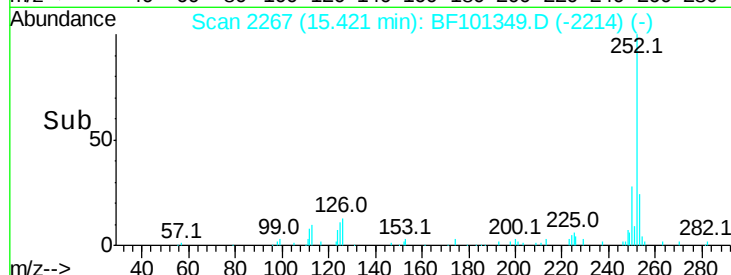
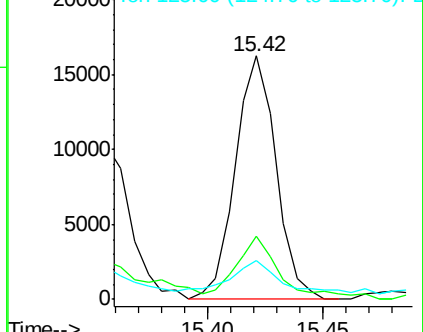
125 15.8 9.8 14.6#



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: 2.149 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.03 min

Lab File: BF101349.D

Acq: 13 Dec 2017 00:02

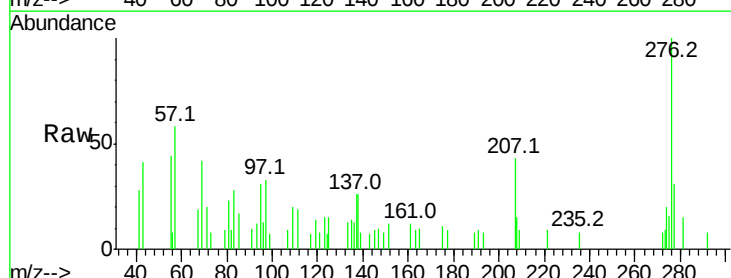
Tgt Ion:276 Resp: 9169

Ion Ratio Lower Upper

276 100

277 31.0 17.9 26.9#

138 25.5 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

