

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101456.D
 Acq On : 15 Dec 2017 21:15
 Operator : SJ/JU
 Sample : I6744-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 22:37:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	169396	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	623707	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	221432	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	344737	20.00	ng	0.01
75) Chrysene-d12	14.00	240	268471	20.00	ng	0.00
86) Perylene-d12	15.49	264	251817	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1140744	100.31	ng	0.01
7) Phenol-d6	6.46	99	1411089	99.70	ng	0.00
23) Nitrobenzene-d5	7.39	82	857564	76.54	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	229360	107.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1207303	84.58	ng	0.00
78) Terphenyl-d14	12.94	244	861642	77.37	ng	0.00

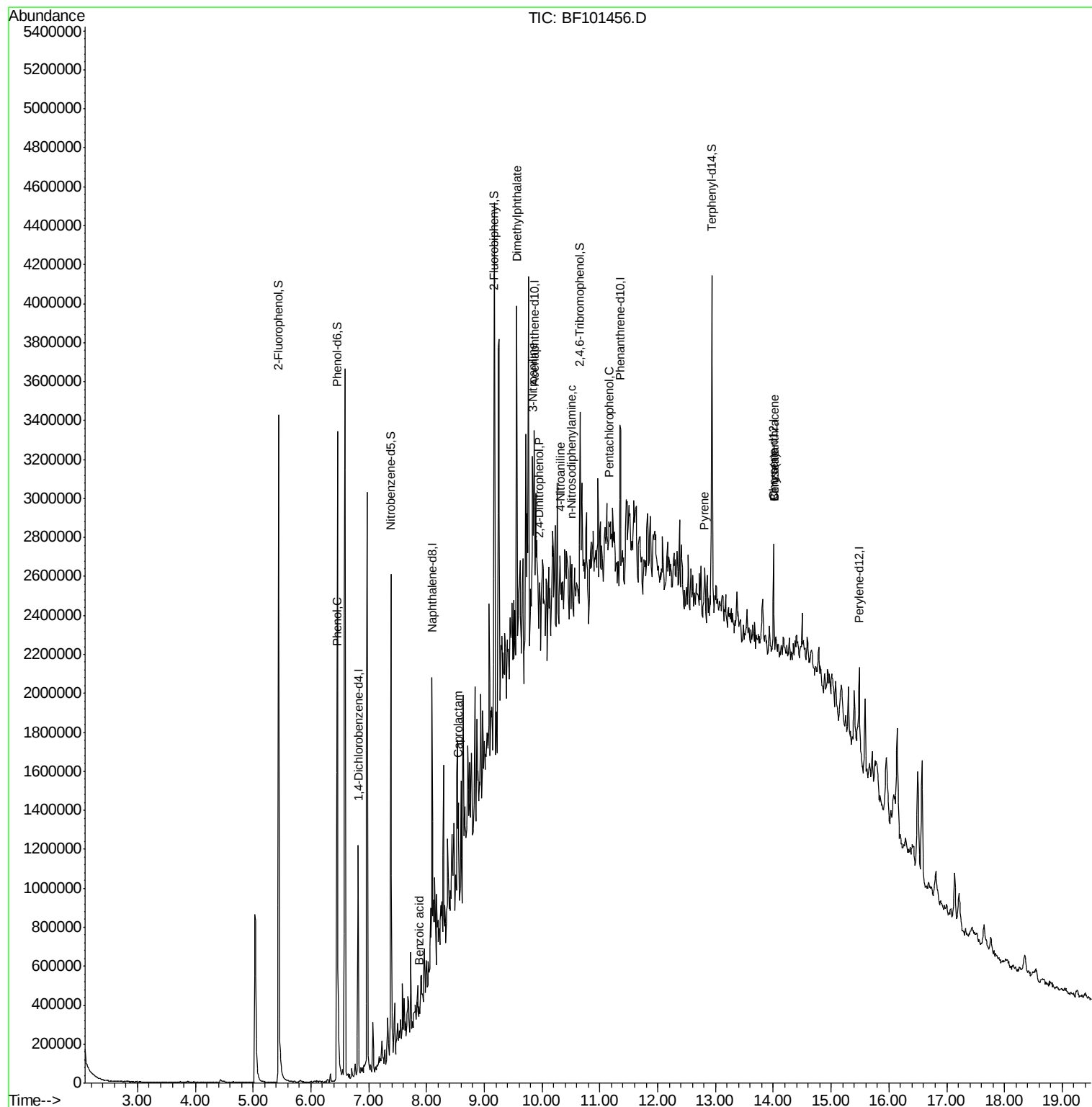
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	50221	3.113	ng	94
32) Benzoic acid	7.88	122	3081	8.382	ng	# 36
35) Caprolactam	8.55	113	6695	2.156	ng	# 1
49) Dimethylphthalate	9.57	163	102502	5.755	ng	# 86
52) 3-Nitroaniline	9.83	138	10264	2.274	ng	# 30
53) 2,4-Dinitrophenol	9.96	184	594	10.731	ng	# 1
61) 4-Nitroaniline	10.31	138	15839	3.491	ng	82
65) n-Nitrosodiphenylamine	10.52	169	74371	5.843	ng	# 37
69) Pentachlorophenol	11.16	266	871	7.058	ng	# 20
77) Pyrene	12.80	202	40481	2.009	ng	# 72
80) Benzo(a)anthracene	14.02	228	36892	2.081	ng	# 11
82) Chrysene	14.02	228	37041	2.213	ng	# 19

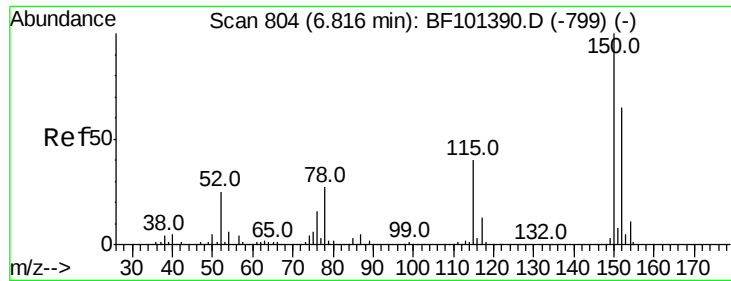
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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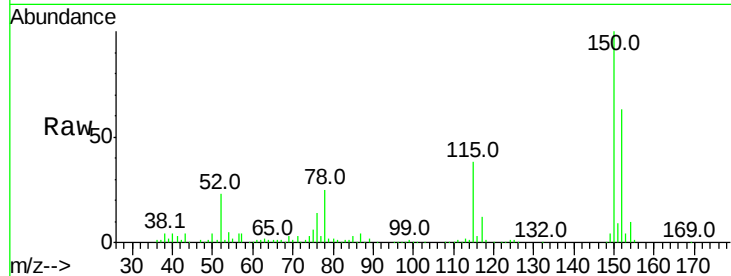


#1

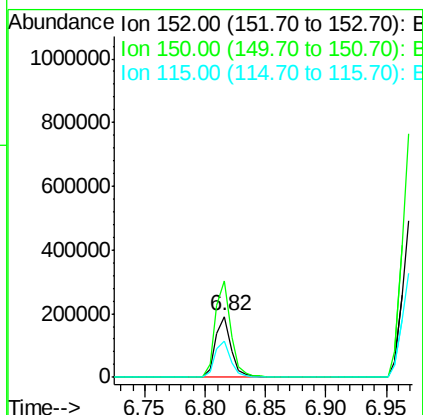
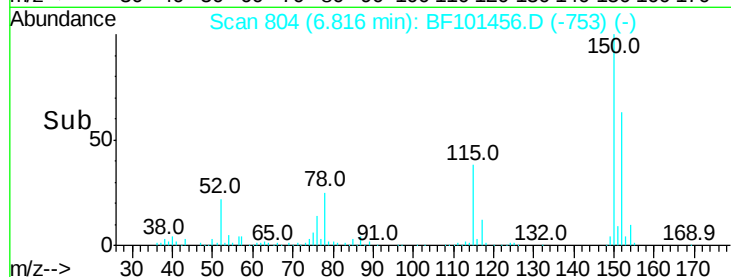
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101456.D
Acq: 15 Dec 2017 21:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169396
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 60.4 50.1 75.1



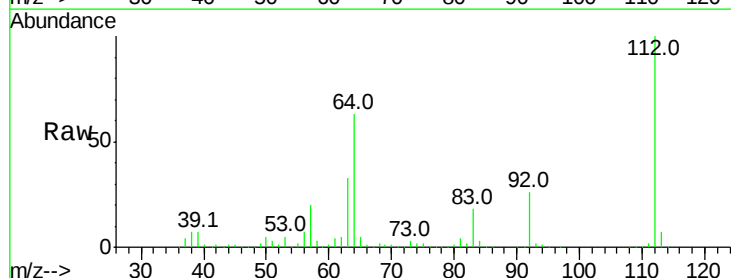
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



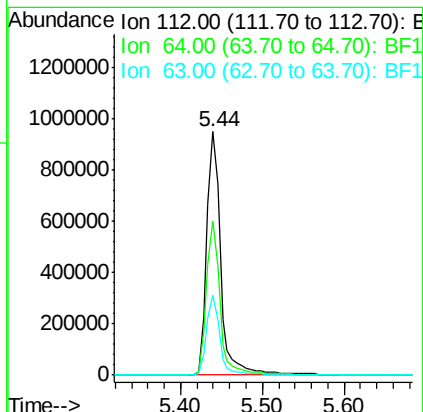
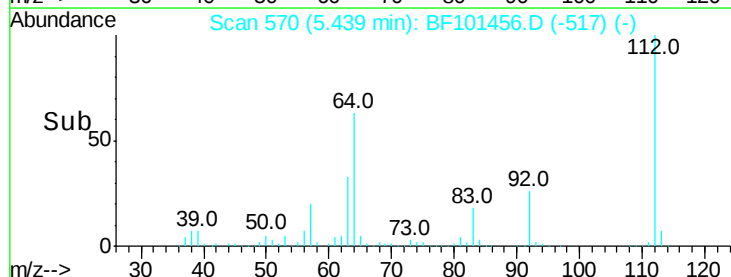
#5

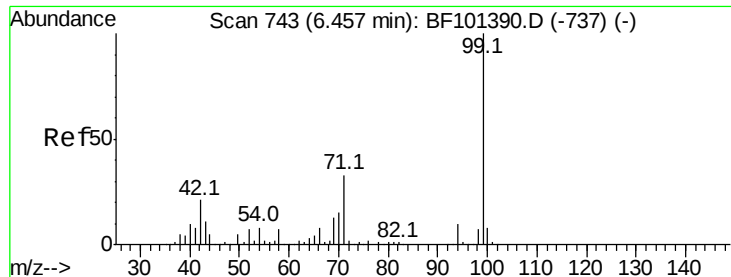
2-Fluorophenol
Concen: 100.311 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF101456.D
Acq: 15 Dec 2017 21:15

Tgt Ion:112 Resp: 1140744
Ion Ratio Lower Upper
112 100
64 63.1 47.9 71.9
63 32.8 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: 99.703 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

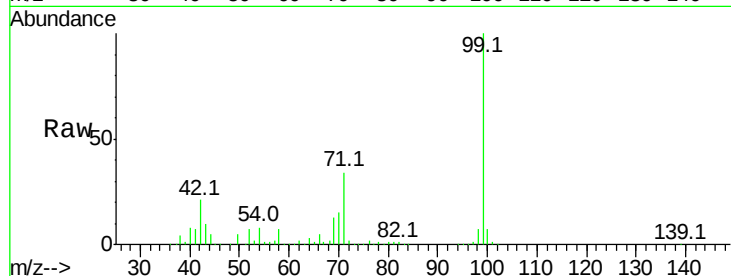
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1411089

Ion	Ratio	Lower	Upper
99	100		
42	21.1	14.5	21.7
71	33.9	25.4	38.0

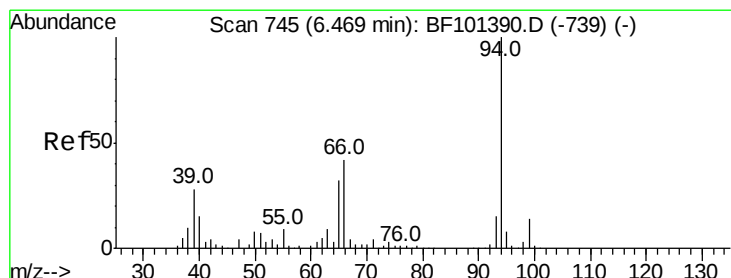
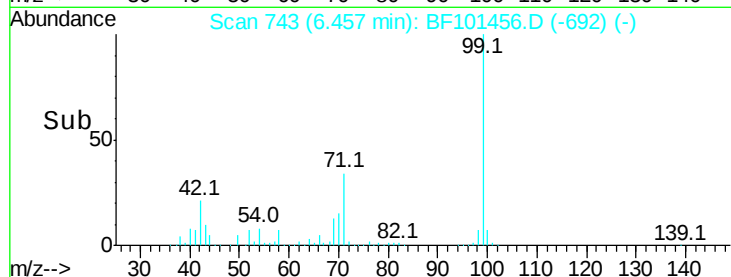
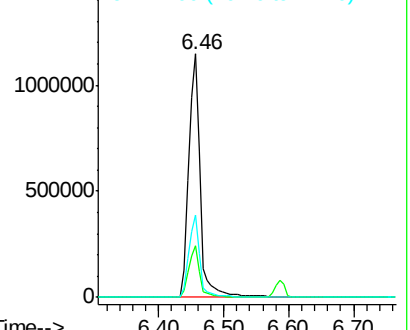


Abundance

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: 3.113 ng

RT: 6.47 min Scan# 745

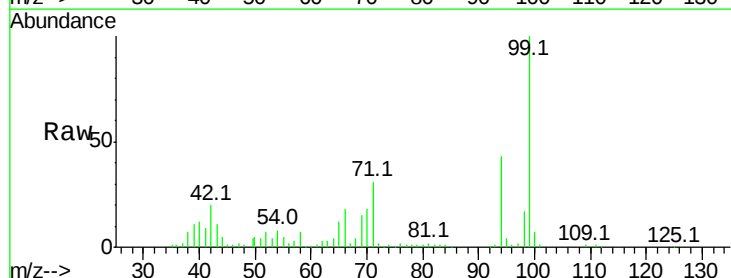
Delta R.T. 0.00 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

Tgt Ion: 94 Resp: 50221

Ion	Ratio	Lower	Upper
94	100		
65	28.8	7.9	47.9
66	42.0	16.2	56.2

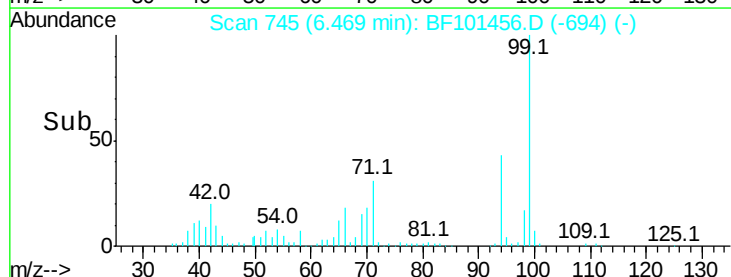
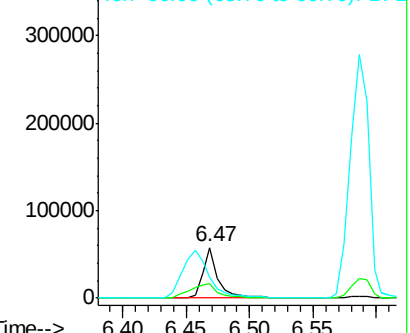


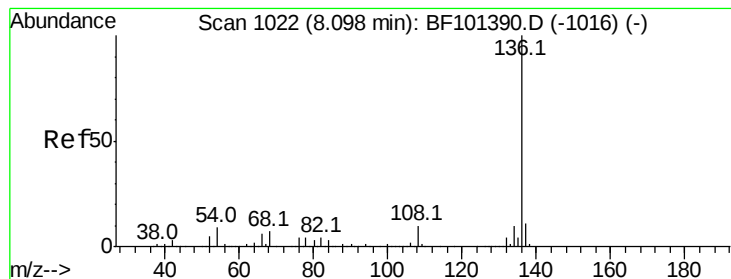
Abundance

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF101456.D

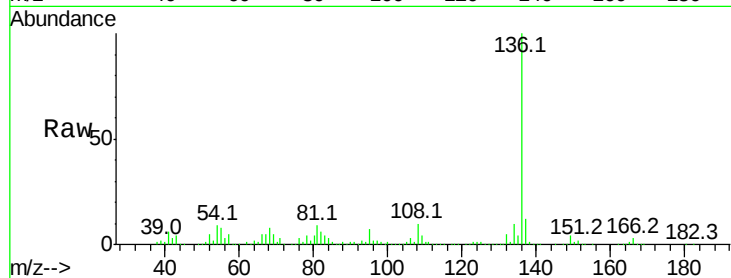
Acq: 15 Dec 2017 21:15

Instrument :

BNA_F

ClientSampled :

Tot Ion:	136	Resp:	623707
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.5	6.6	9.8
68	8.0	5.0	7.4

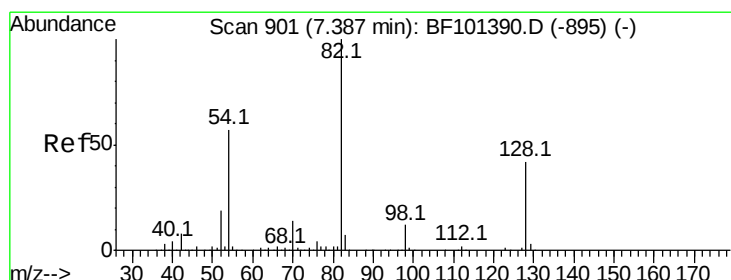
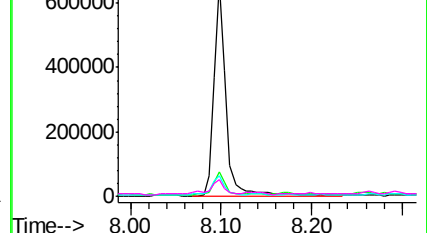
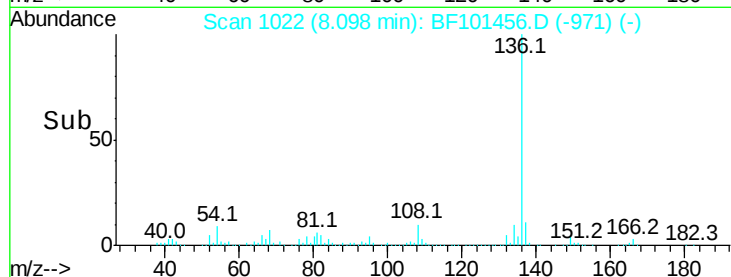


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.538 ng

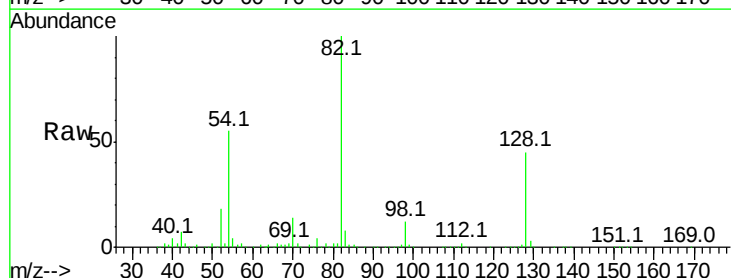
RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

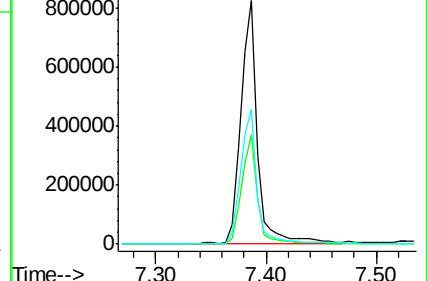
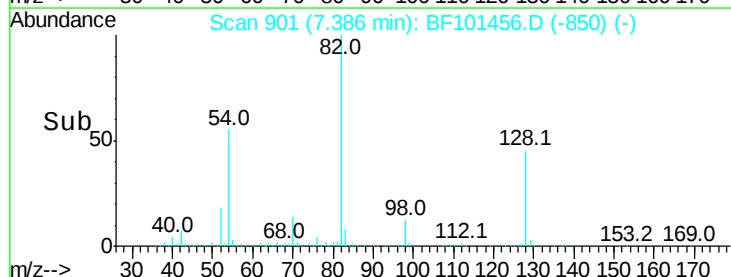
Tgt Ion:	82	Resp:	857564
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	55.3	41.4	62.2

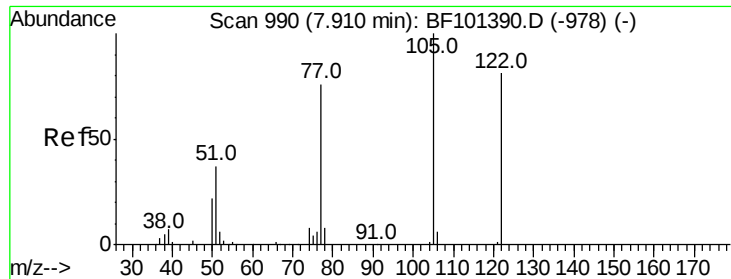


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

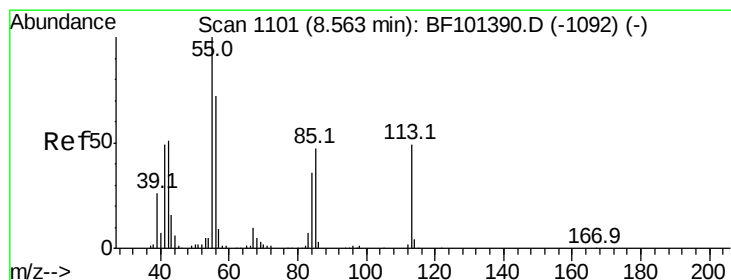
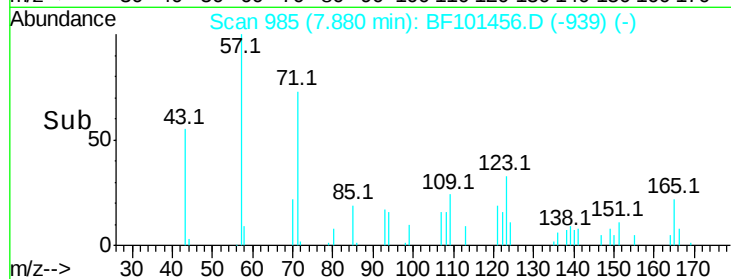
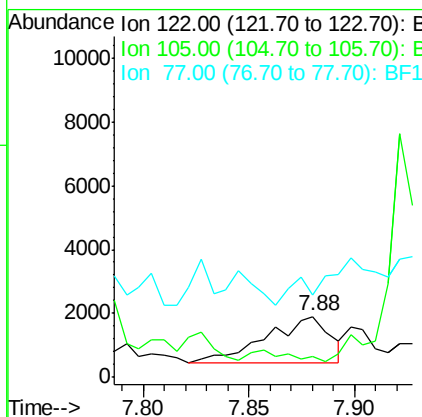
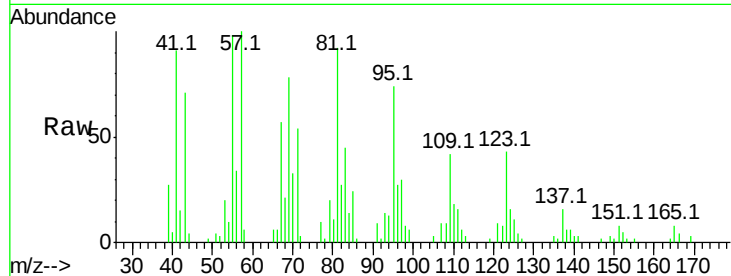




#32
Benzoic acid
Concen: 8.382 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF101456.D
Acq: 15 Dec 2017 21:15

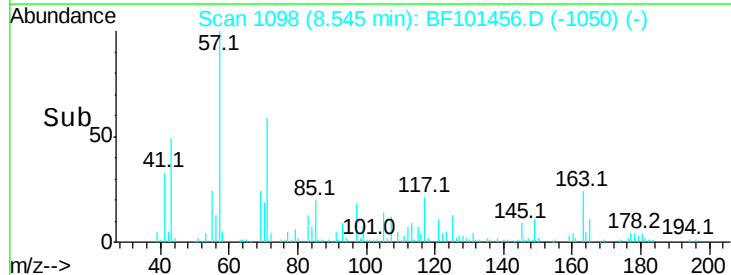
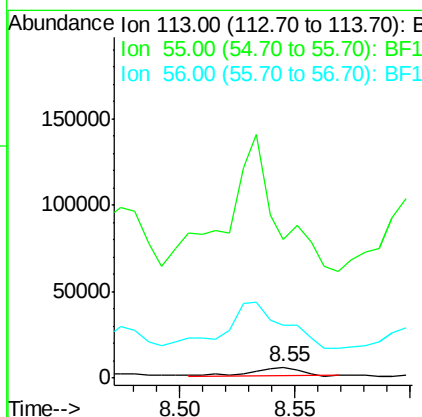
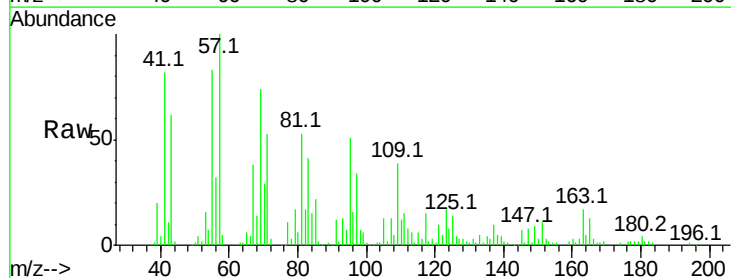
Instrument :
BNA_F
ClientSampleId :

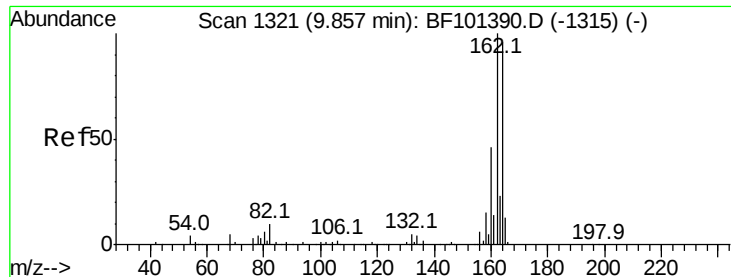
Tot Ion:122 Resp: 3081
Ion Ratio Lower Upper
122 100
105 34.0 101.1 141.1#
77 134.3 70.7 110.7#



#35
Caprolactam
Concen: 2.156 ng
RT: 8.55 min Scan# 1098
Delta R.T. -0.02 min
Lab File: BF101456.D
Acq: 15 Dec 2017 21:15

Tgt Ion:113 Resp: 6695
Ion Ratio Lower Upper
113 100
55 1287.4 163.3 203.3#
56 493.5 115.7 155.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

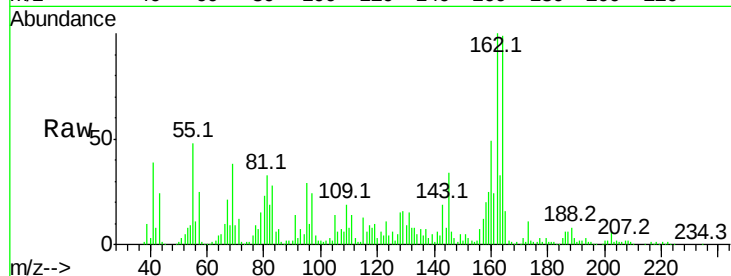
Tot Ion:164 Resp: 221432

Ion Ratio Lower Upper

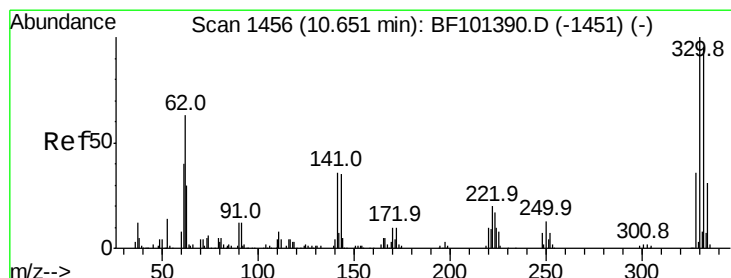
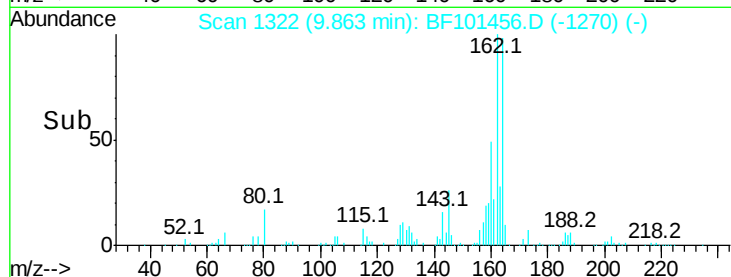
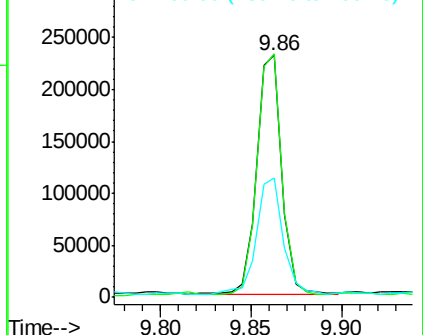
164 100

162 100.5 86.1 129.1

160 49.5 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: 107.496 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

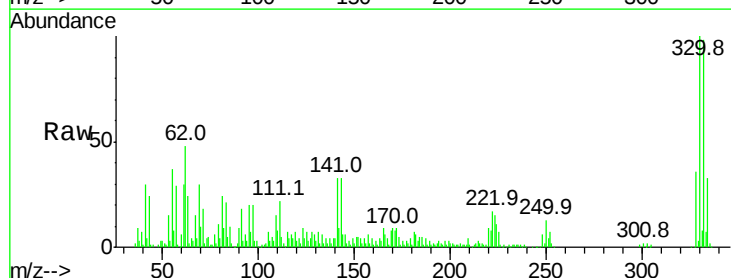
Tgt Ion:330 Resp: 229360

Ion Ratio Lower Upper

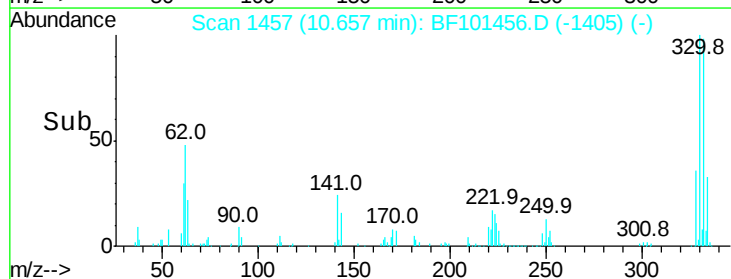
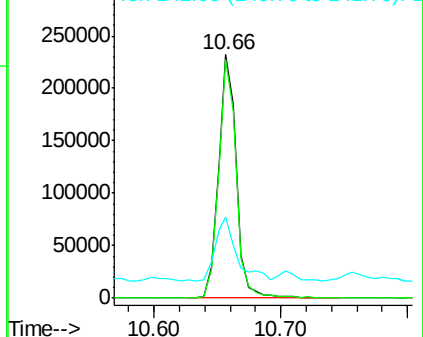
330 100

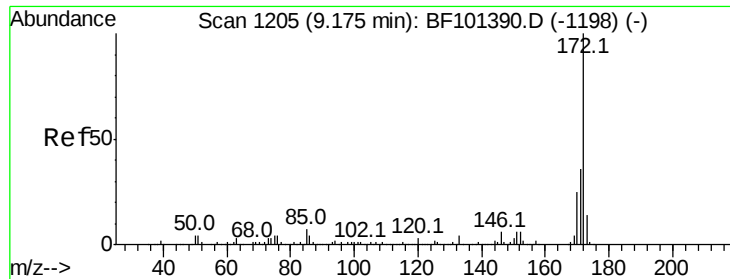
332 97.2 77.0 115.6

141 30.8 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



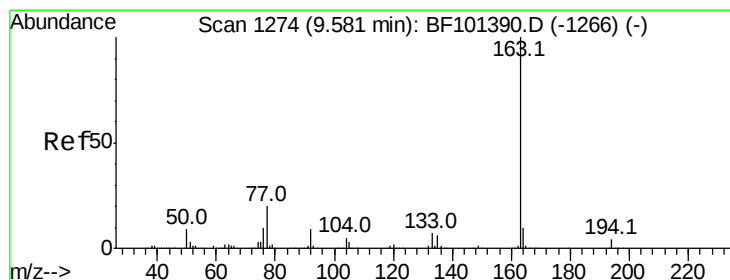
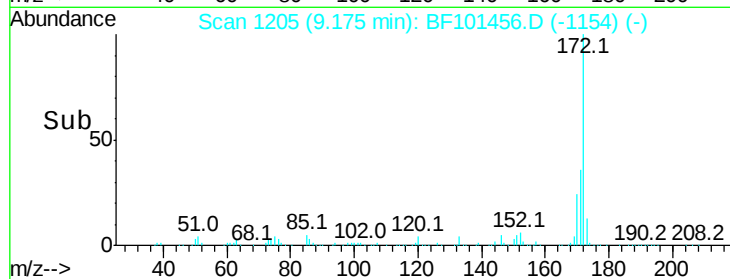
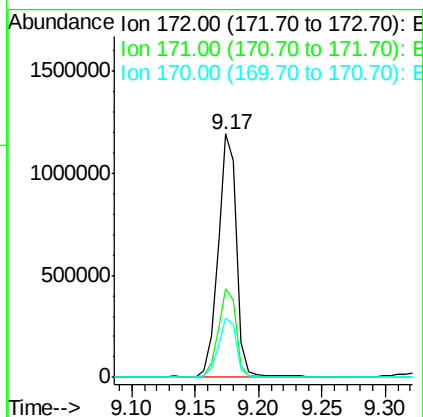
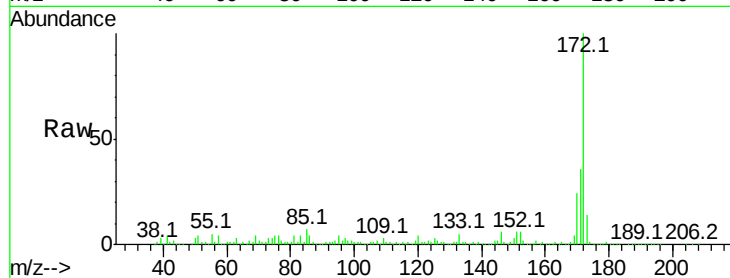


#44
 2-Fluorobiphenyl
 Concen: 84.578 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF101456.D
 Acq: 15 Dec 2017 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1207303

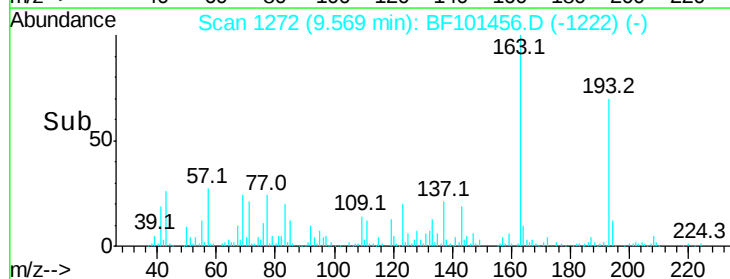
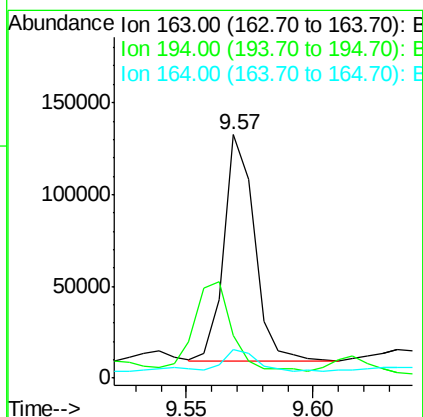
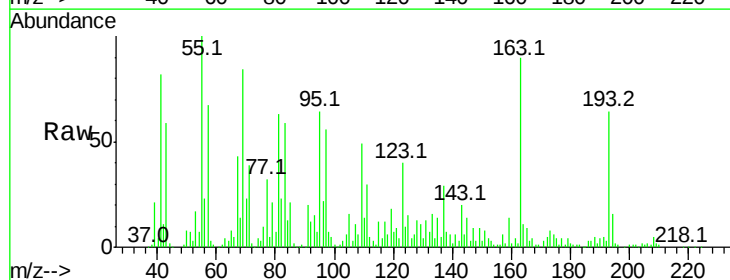
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

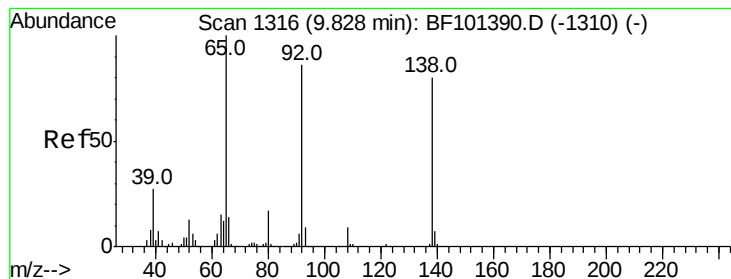


#49
 Dimethylphthalate
 Concen: 5.755 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF101456.D
 Acq: 15 Dec 2017 21:15

Tgt Ion:163 Resp: 102502

Ion	Ratio	Lower	Upper
163	100		
194	17.4	2.7	4.1#
164	12.0	8.2	12.2





#52

3-Nitroaniline

Concen: 2.274 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

Instrument :

BNA_F

ClientSampled :

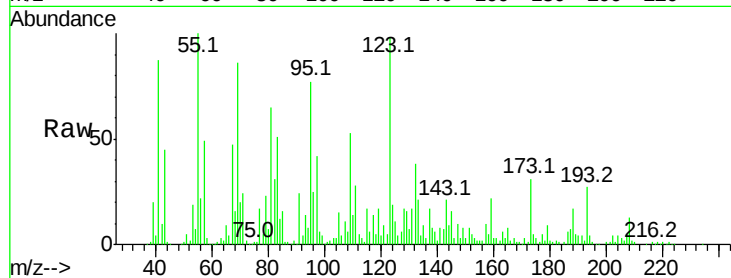
Tot Ion:138 Resp: 10264

Ion Ratio Lower Upper

138 100

108 75.1 9.4 14.0#

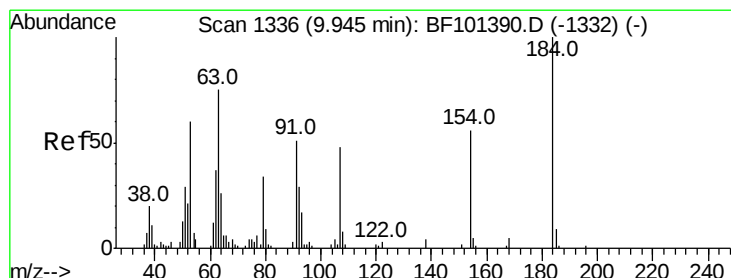
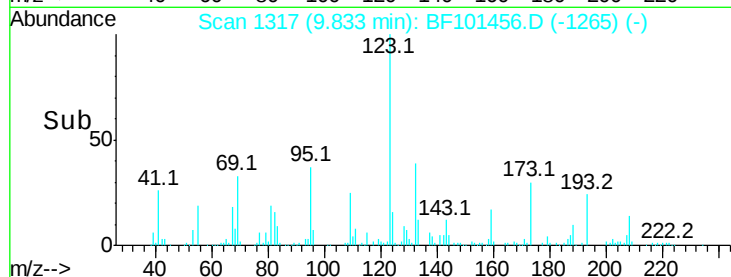
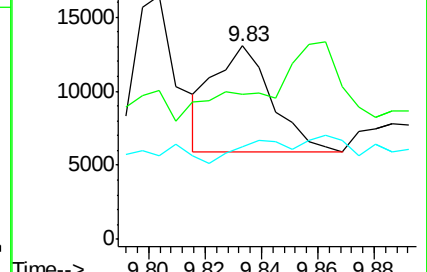
92 47.7 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#53

2,4-Dinitrophenol

Concen: 10.731 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

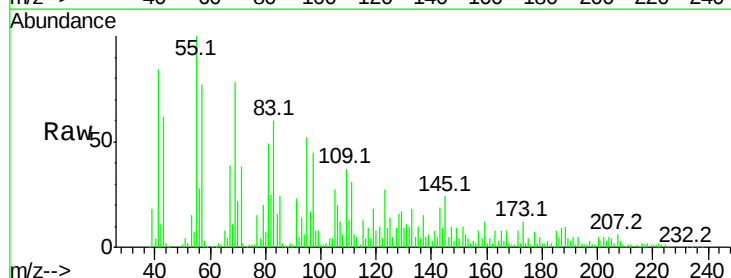
Tgt Ion:184 Resp: 594

Ion Ratio Lower Upper

184 100

63 575.5 54.2 81.2#

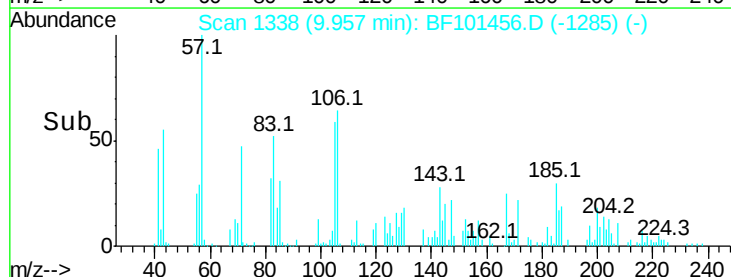
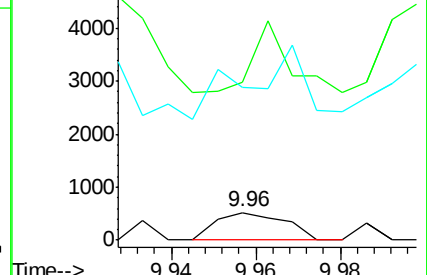
154 554.1 184.0 276.0#

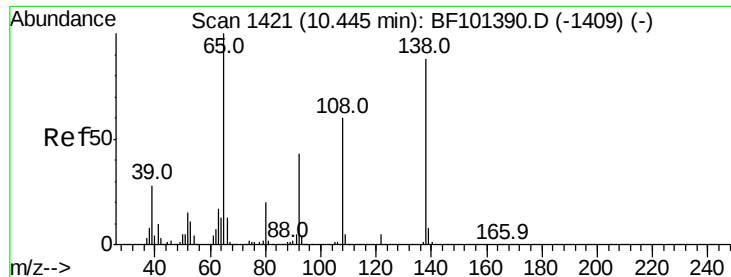


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

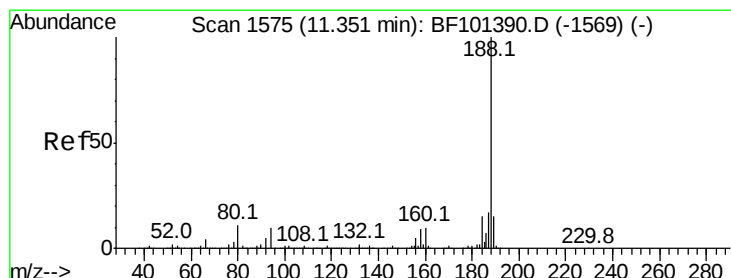
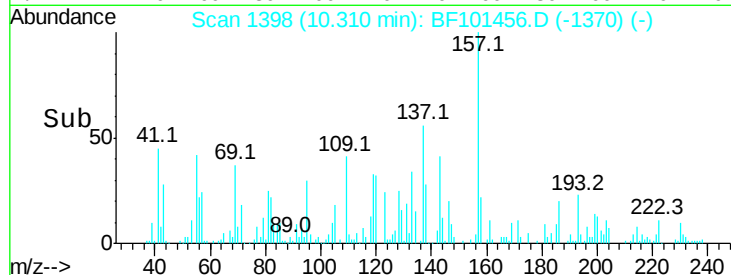
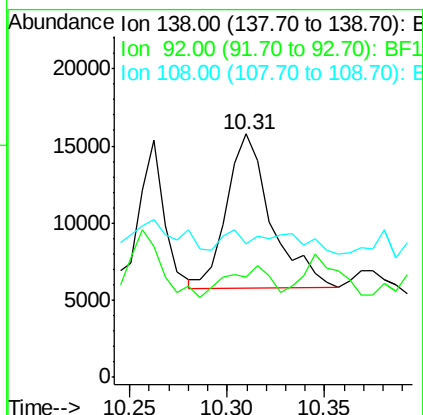
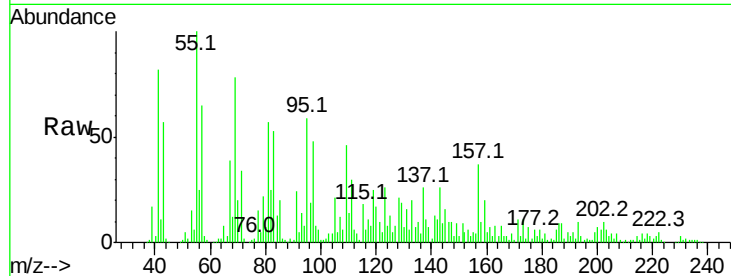




#61
4-Nitroaniline
Concen: 3.491 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.14 min
Lab File: BF101456.D
Acq: 15 Dec 2017 21:15

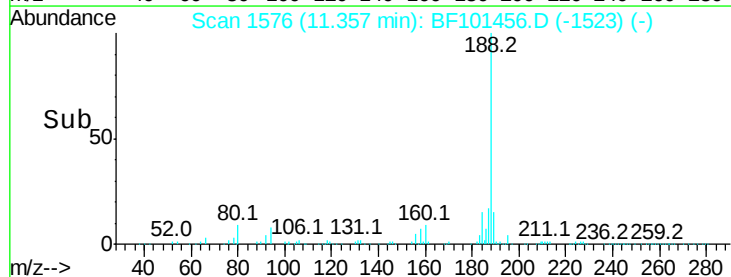
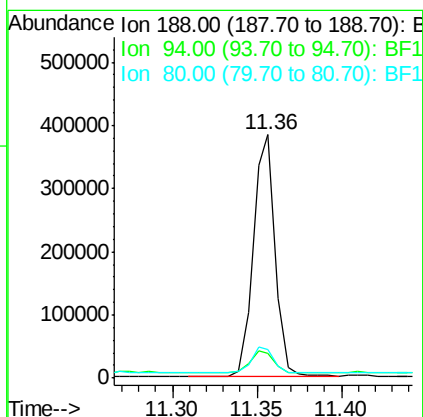
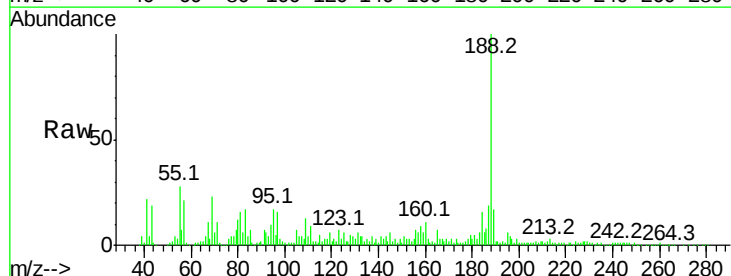
Instrument :
BNA_F
ClientSampleId :

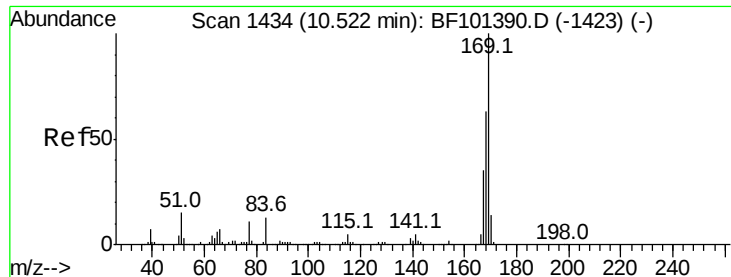
Tot Ion:138 Resp: 15839
Ion Ratio Lower Upper
138 100
92 41.0 30.2 70.2
108 55.1 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF101456.D
Acq: 15 Dec 2017 21:15

Tgt Ion:188 Resp: 344737
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.6 9.2 13.8





#65

n-Nitrosodiphenylamine

Concen: 5.843 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

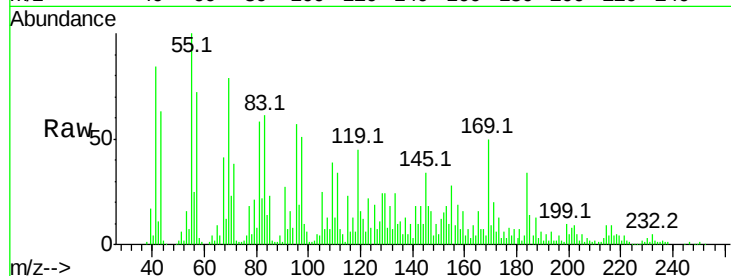
Tot Ion:169 Resp: 74371

Ion Ratio Lower Upper

169 100

168 7.7 54.4 81.6#

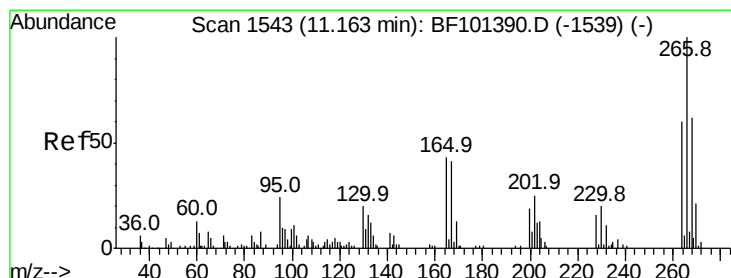
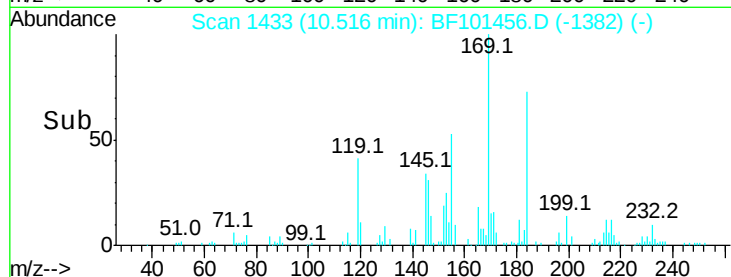
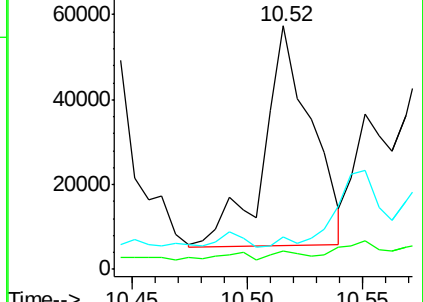
167 13.2 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 7.058 ng

RT: 11.16 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

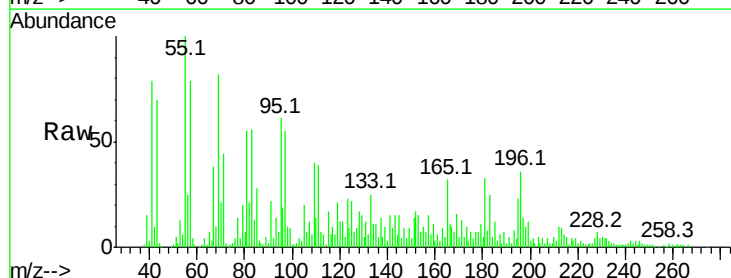
Tgt Ion:266 Resp: 871

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

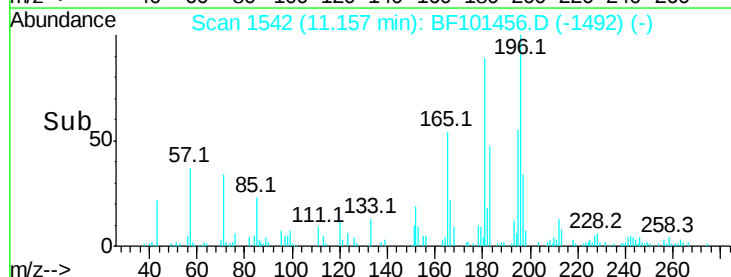
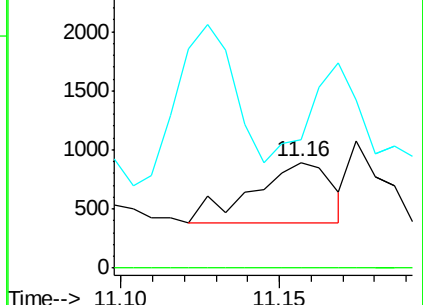
264 121.9 49.5 74.3#

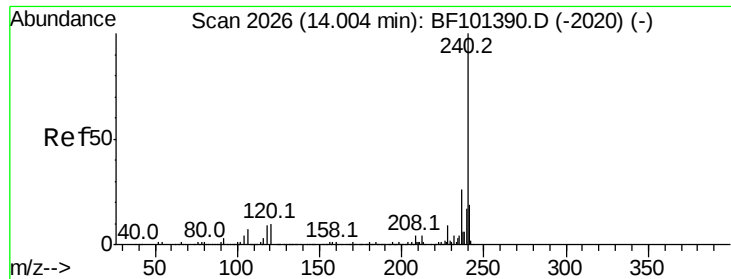


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

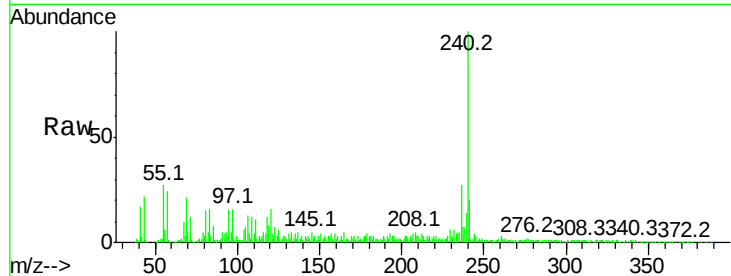
Tot Ion:240 Resp: 268471

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

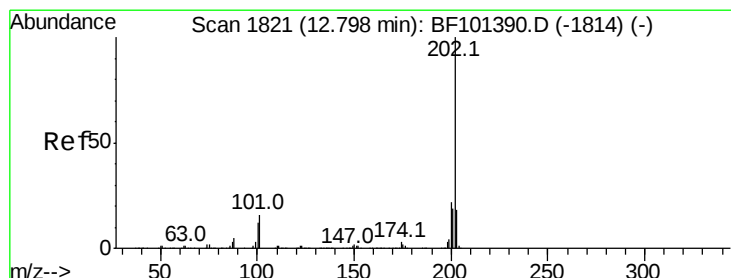
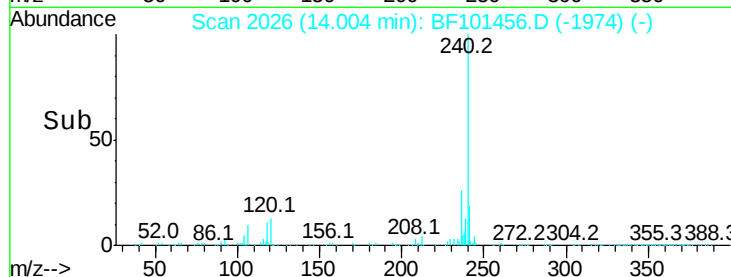
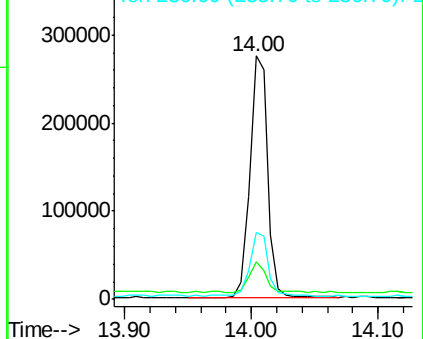
236 27.4 20.7 31.1



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: 2.009 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

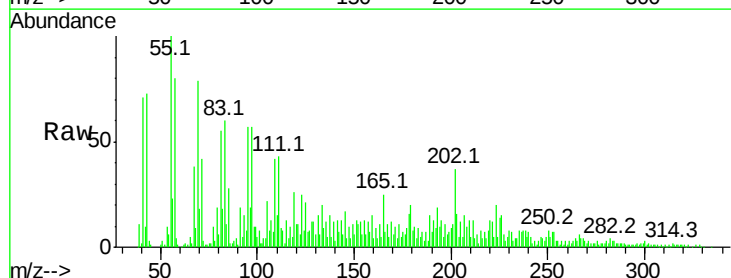
Tgt Ion:202 Resp: 40481

Ion Ratio Lower Upper

202 100

200 25.1 17.4 26.2

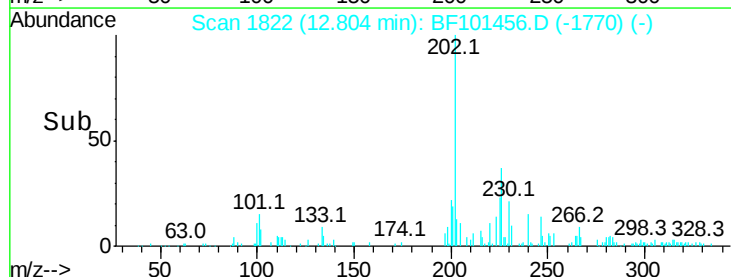
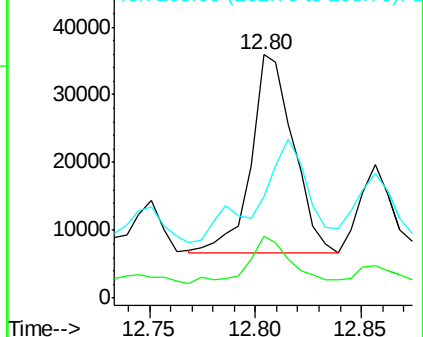
203 41.9 14.3 21.5#

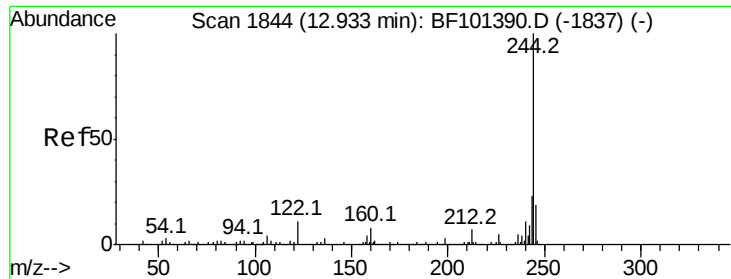


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.372 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

Instrument :

BNA_F

ClientSampled :

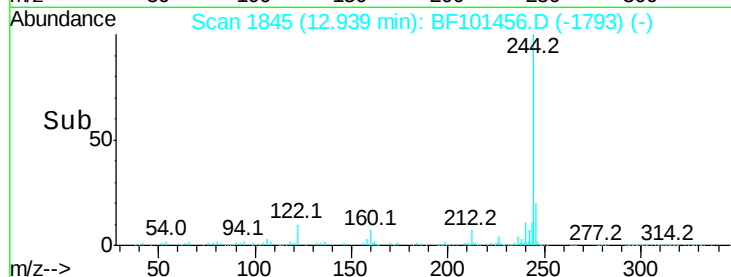
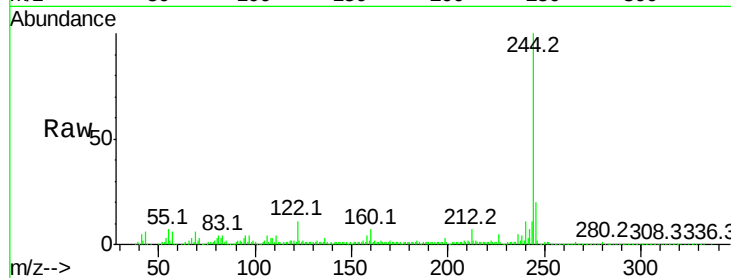
Tot Ion:244 Resp: 861642

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

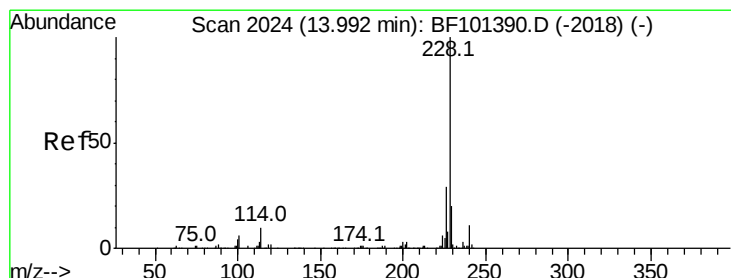
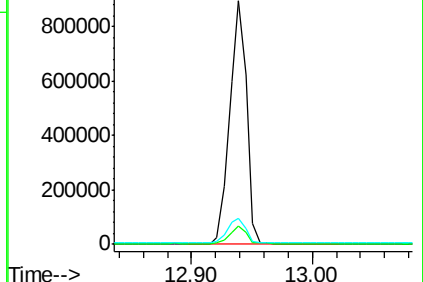
122 10.6 11.0 16.4#



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: 2.081 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.03 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

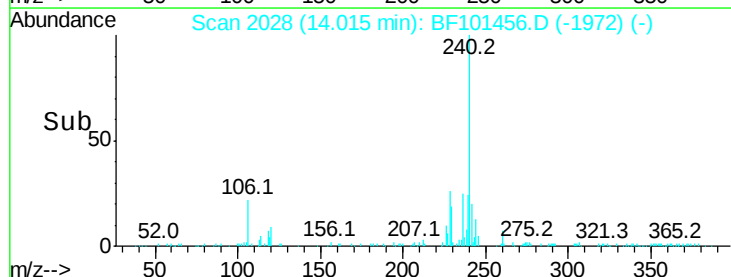
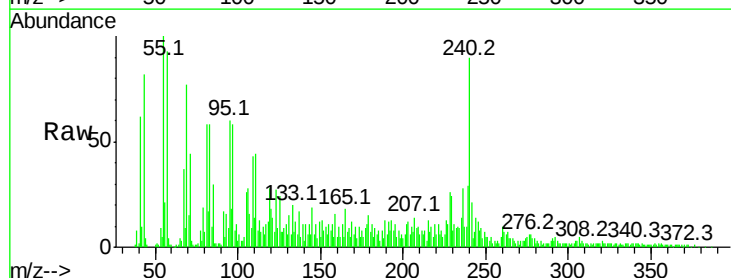
Tgt Ion:228 Resp: 36892

Ion Ratio Lower Upper

228 100

226 50.1 22.6 33.8#

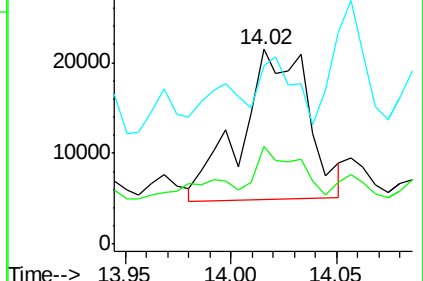
229 91.6 15.8 23.6#

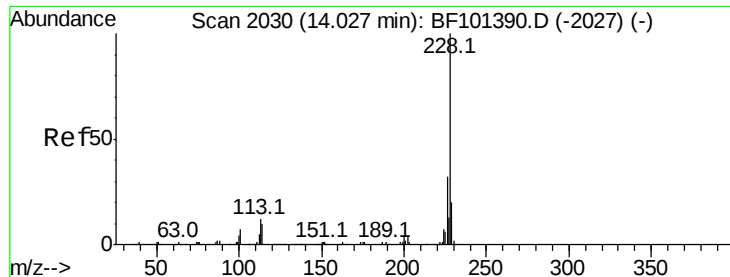


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.213 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101456.D

Acq: 15 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

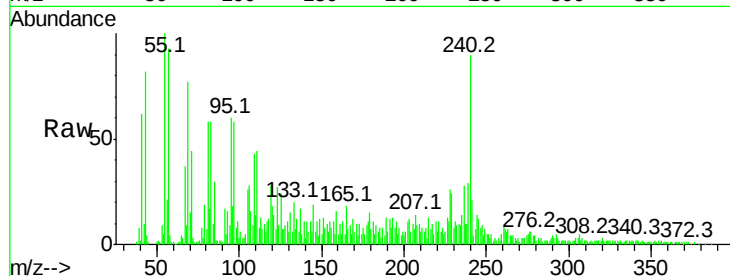
Tot Ion:228 Resp: 37041

Ion Ratio Lower Upper

228 100

226 50.1 25.0 37.6#

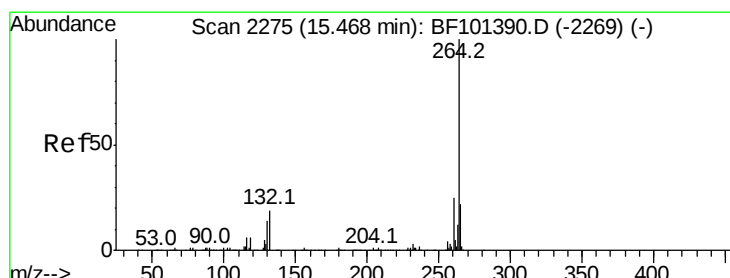
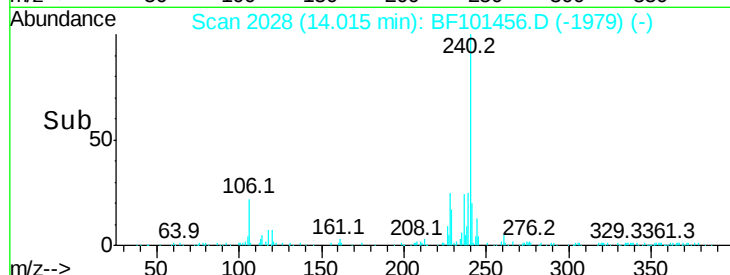
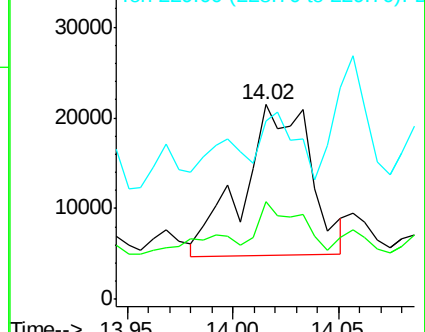
229 91.6 16.2 24.4#



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: BF101456.D

Acq: 15 Dec 2017 21:15

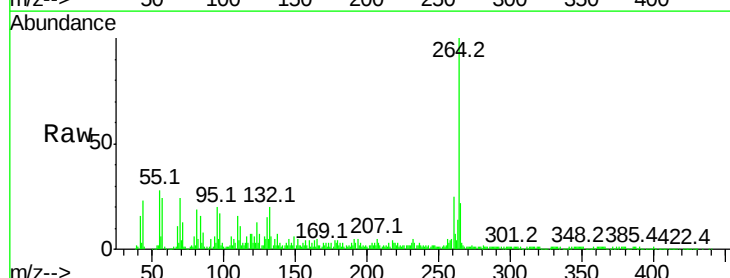
Tgt Ion:264 Resp: 251817

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.0 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

