

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101266.D
 Acq On : 9 Dec 2017 6:35
 Operator : SJ/JU
 Sample : I6791-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:41:06 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

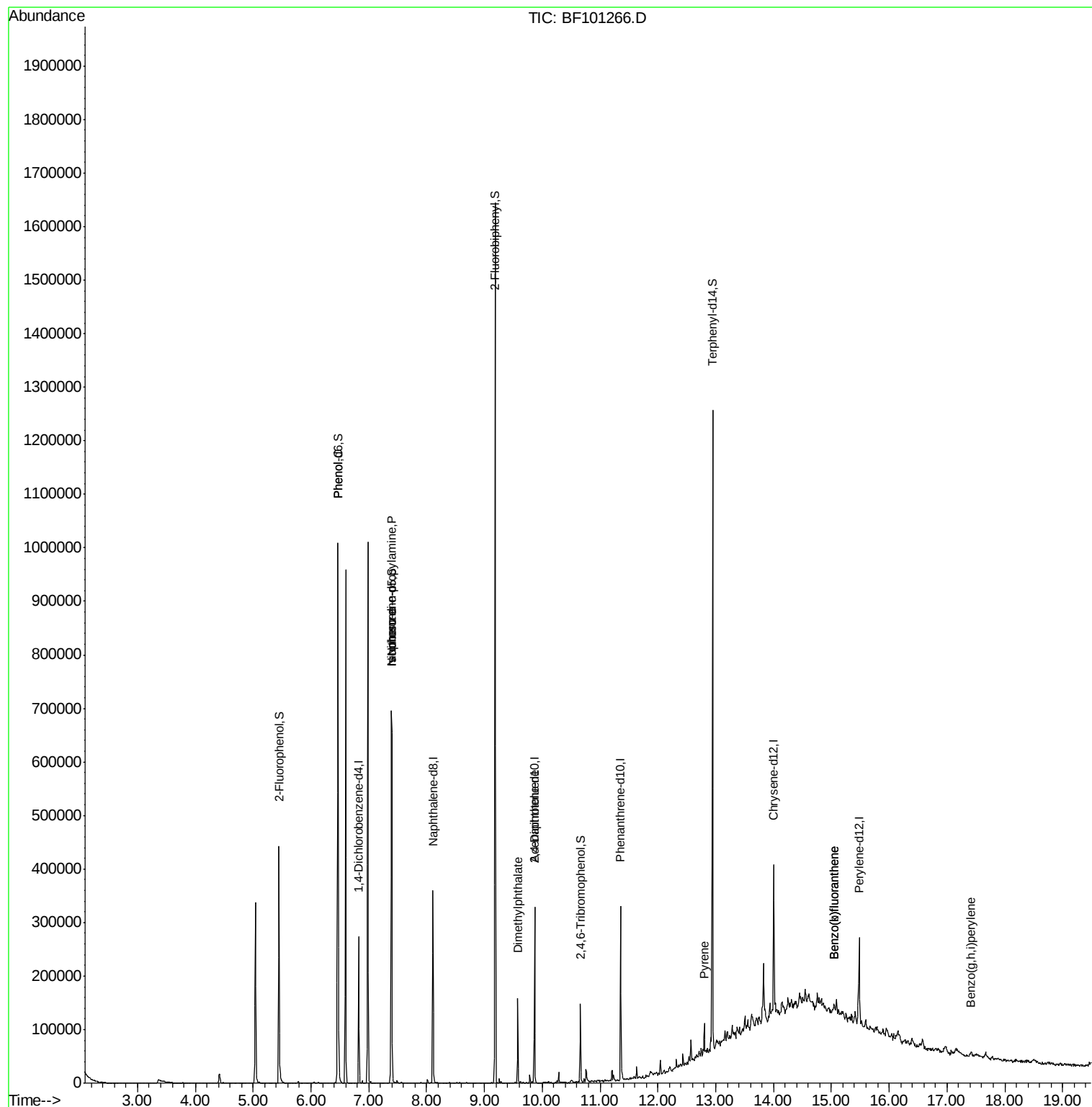
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	40123	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	151523	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	64626	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	111840	20.00	ng	0.00
75) Chrysene-d12	14.00	240	86895	20.00	ng	0.00
86) Perylene-d12	15.48	264	72069	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	124395	51.23	ng	0.00
7) Phenol-d6	6.47	99	354828	120.36	ng	0.00
23) Nitrobenzene-d5	7.39	82	239989	94.48	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	17635	22.72	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	484842	102.65	ng	0.00
78) Terphenyl-d14	12.94	244	389947	98.15	ng	0.00
Target Compounds						
10) Phenol	6.47	94	15113	4.611	ng	82
19) n-Nitroso-di-n-propylamine	7.39	70	31262	15.746	ng	# 82
25) Isophorone	7.39	82	239983	55.312	ng	# 64
49) Dimethylphthalate	9.58	163	65635	12.593	ng	98
56) 2,4-Dinitrotoluene	9.86	165	8465	5.754	ng	# 21
77) Pyrene	12.80	202	12277	2.048	ng	95
87) Benzo(b)fluoranthene	15.05	252	11626	2.693	ng	# 68
88) Benzo(k)fluoranthene	15.05	252	11626	2.734	ng	# 71
91) Benzo(g,h,i)perylene	17.41	276	7570	2.322	ng	# 88

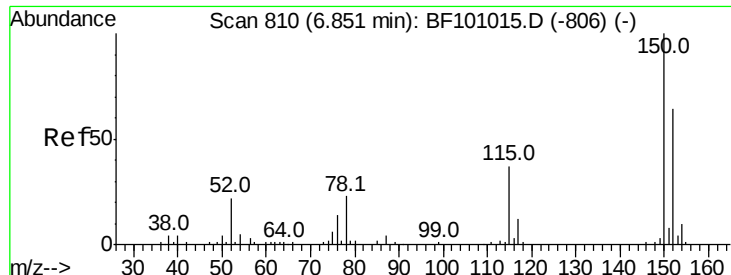
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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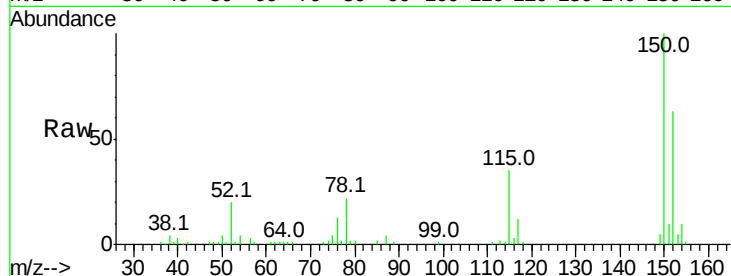


#1

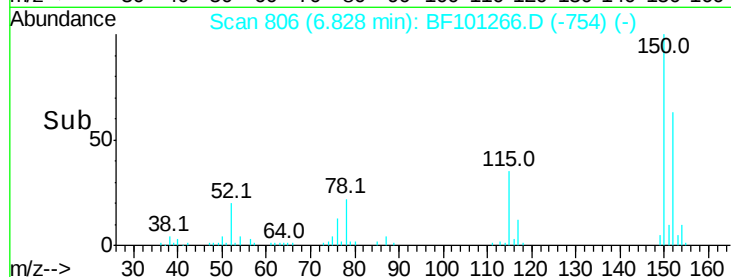
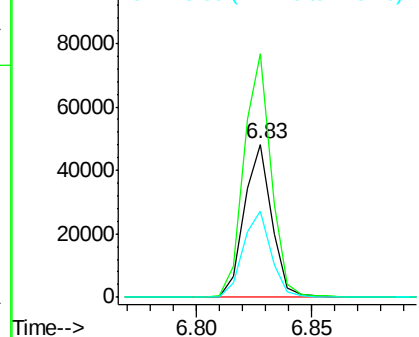
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101266.D
Acq: 9 Dec 2017 6:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40123
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 56.4 50.1 75.1



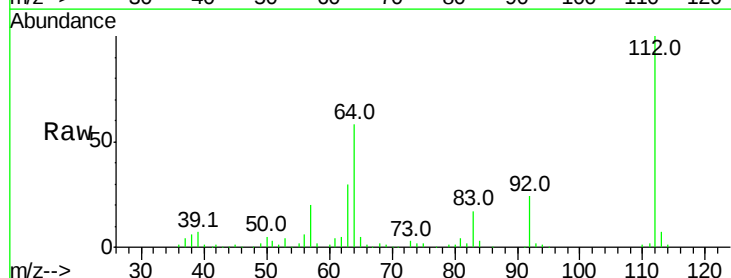
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



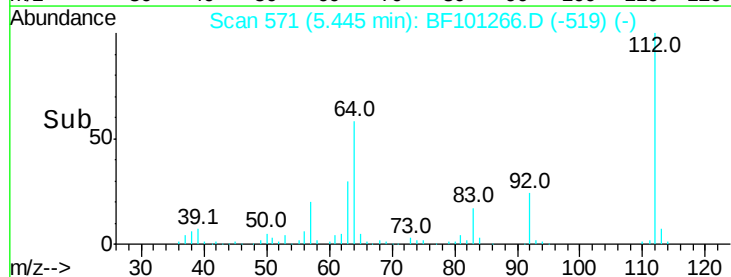
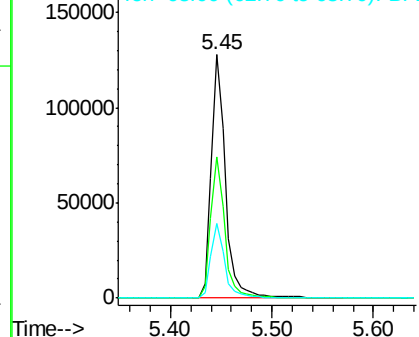
#5

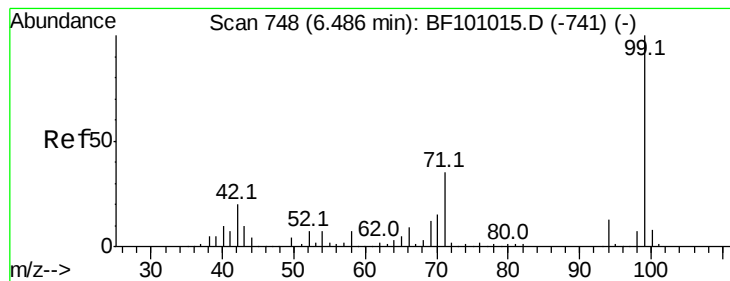
2-Fluorophenol
Concen: 51.231 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101266.D
Acq: 9 Dec 2017 6:35

Tgt Ion:112 Resp: 124395
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 30.4 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: 120.364 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

Instrument :

BNA_F

ClientSampleId :

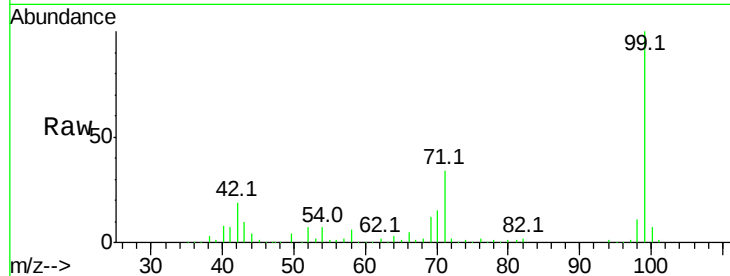
Tot Ion: 99 Resp: 354828

Ion Ratio Lower Upper

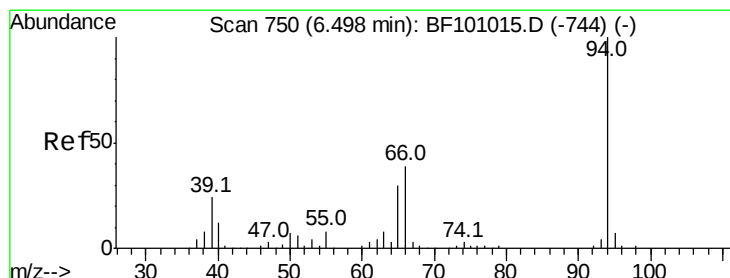
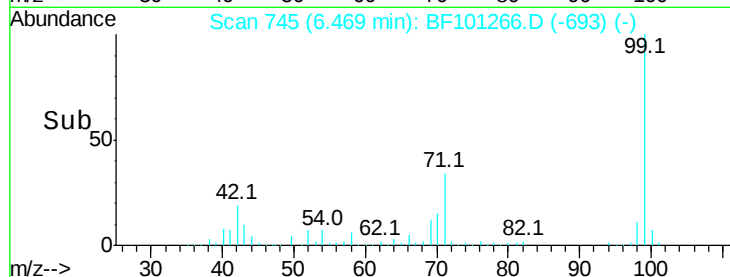
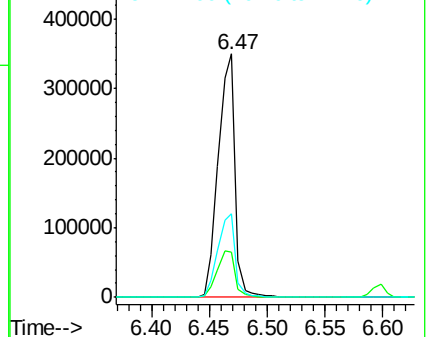
99 100

42 18.8 14.5 21.7

71 34.5 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: 4.611 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

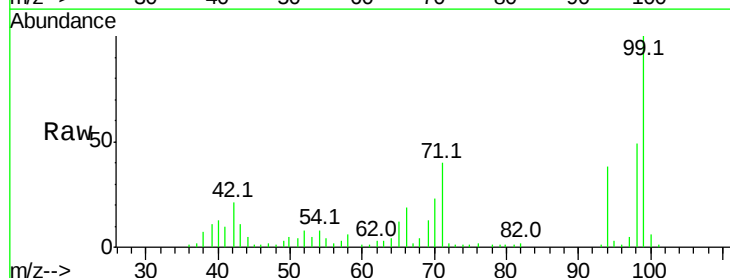
Tgt Ion: 94 Resp: 15113

Ion Ratio Lower Upper

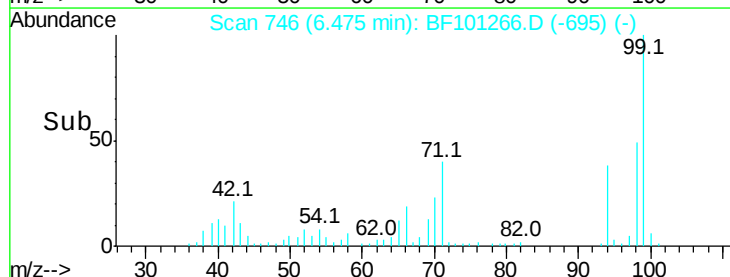
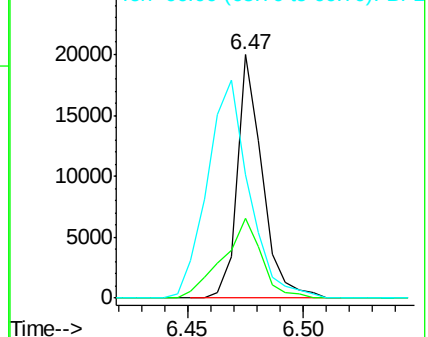
94 100

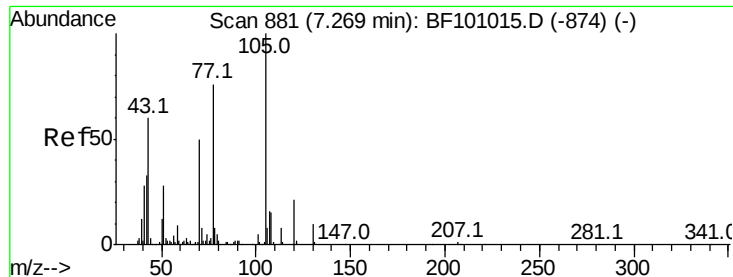
65 32.9 7.9 47.9

66 50.9 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: 15.746 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 31262

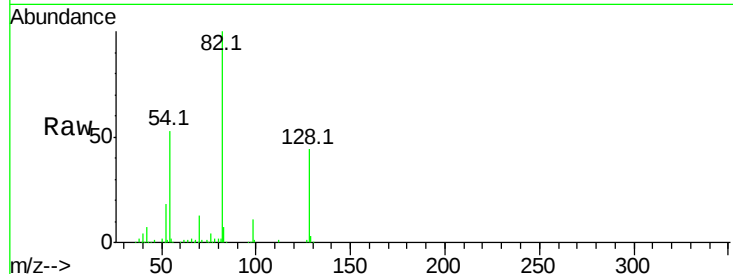
Ion Ratio Lower Upper

70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

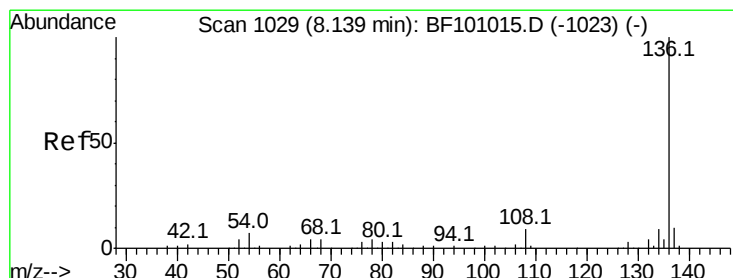
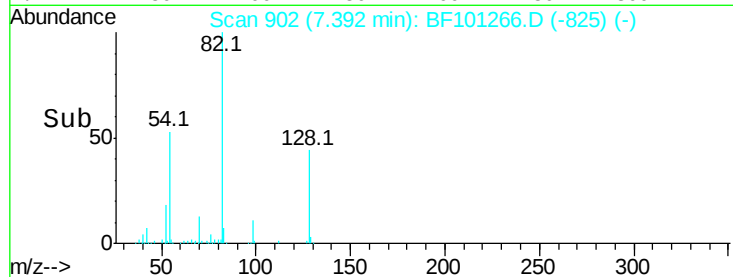
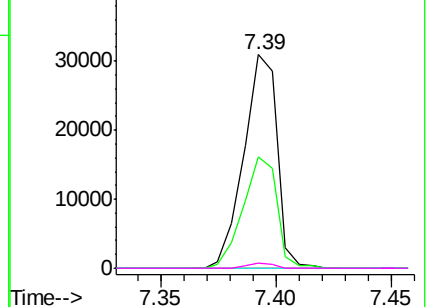


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

Tgt Ion:136 Resp: 151523

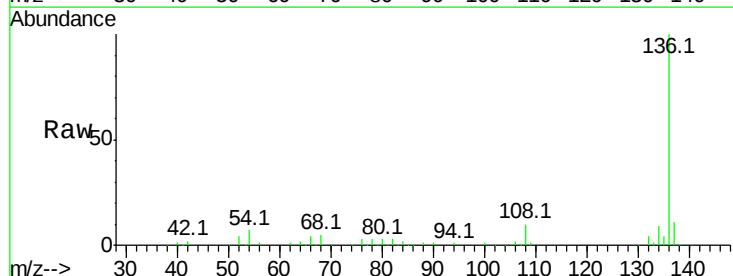
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.2 6.6 9.8

68 4.7 5.0 7.4#

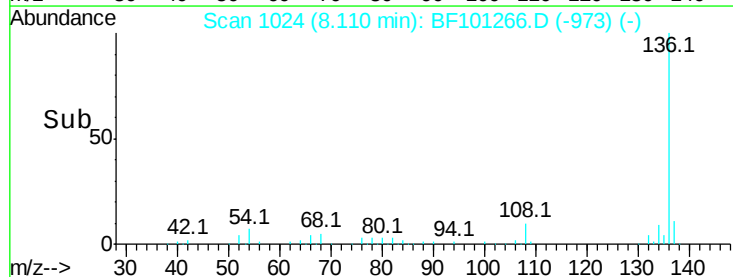
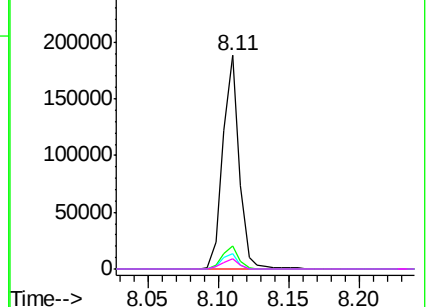


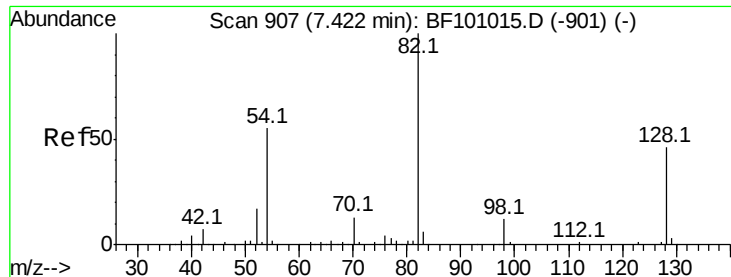
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

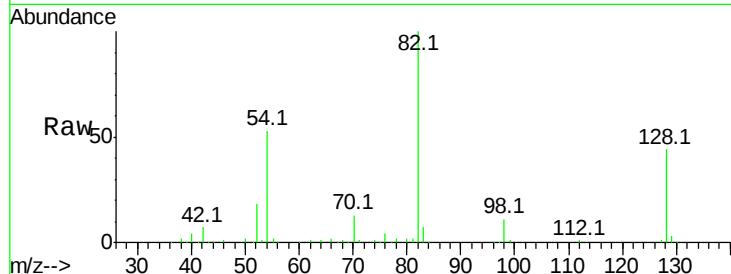




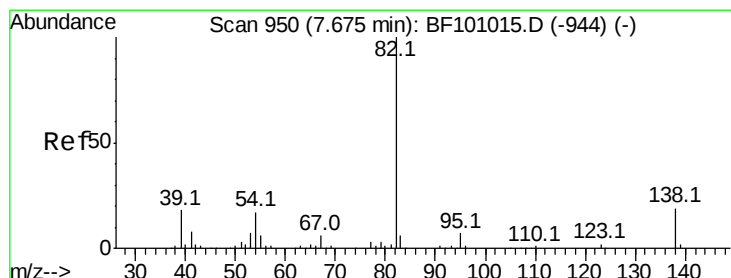
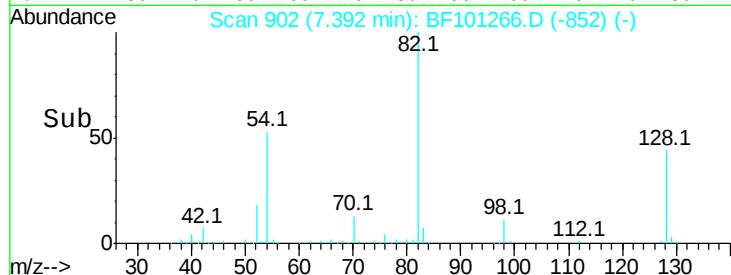
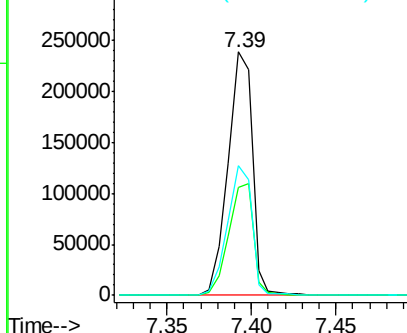
#23
Nitrobenzene-d5
Concen: 94.481 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101266.D
Acq: 9 Dec 2017 6:35

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 239989
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 53.3 41.4 62.2

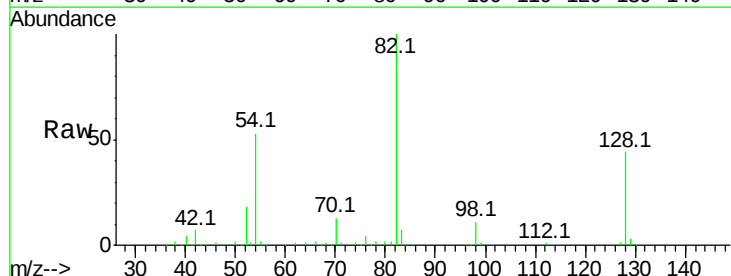


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

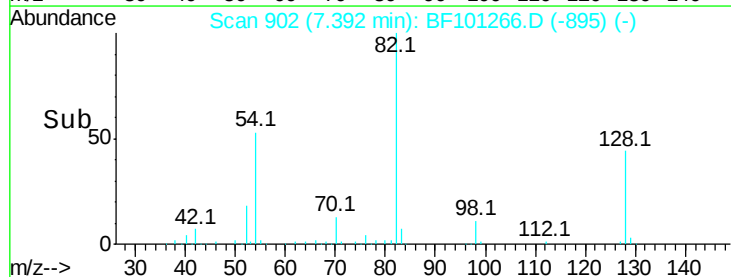
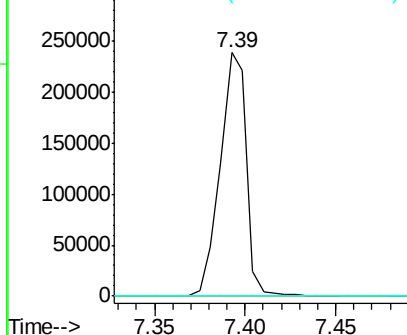


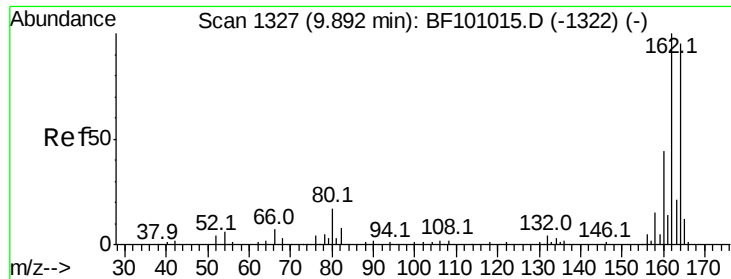
#25
Isophorone
Concen: 55.312 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF101266.D
Acq: 9 Dec 2017 6:35

Tgt Ion: 82 Resp: 239983
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

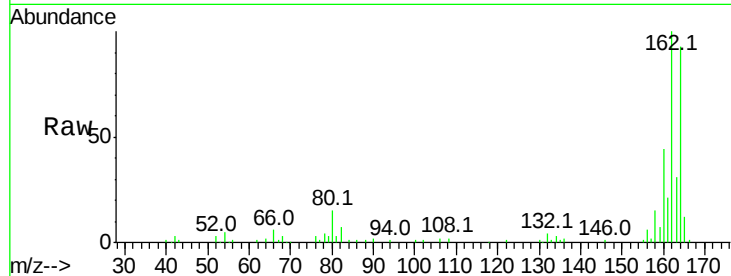




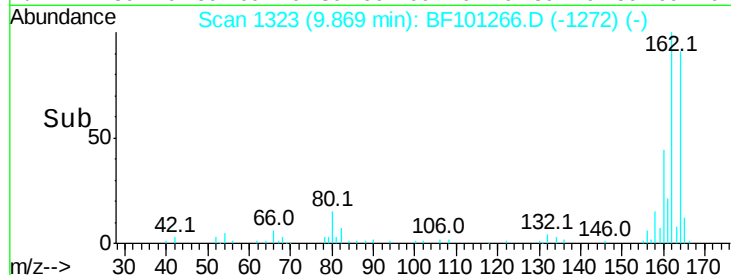
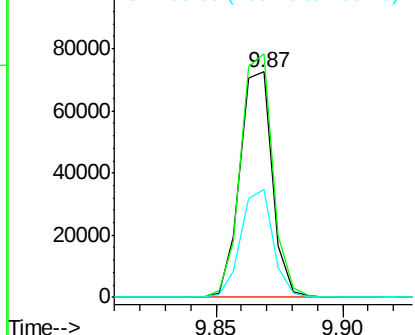
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101266.D
Acq: 9 Dec 2017 6:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 64626
Ion Ratio Lower Upper
164 100
162 108.0 86.1 129.1
160 47.8 38.3 57.5

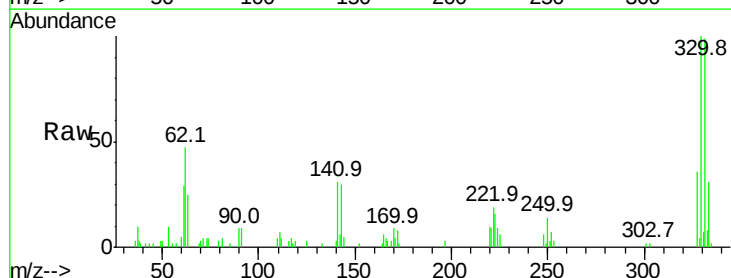


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

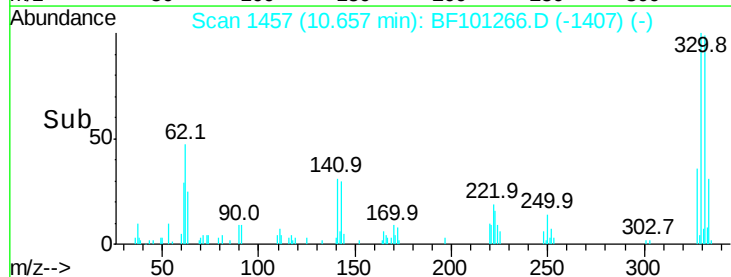
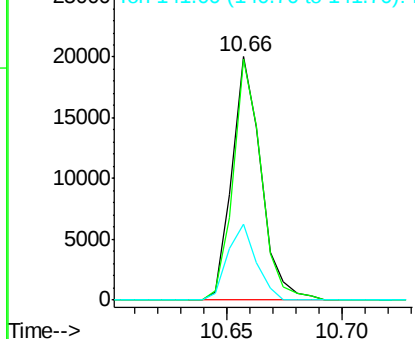


#41
2,4,6-Tribromophenol
Concen: 22.716 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF101266.D
Acq: 9 Dec 2017 6:35

Tgt Ion:330 Resp: 17635
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 30.4 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

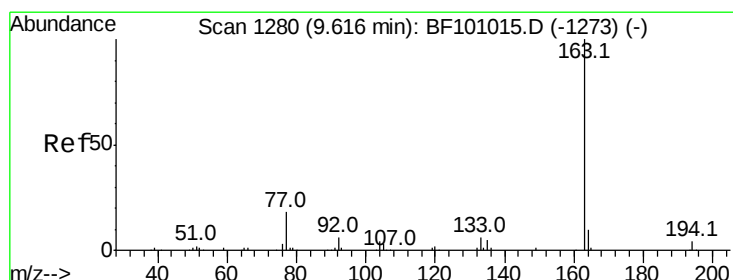
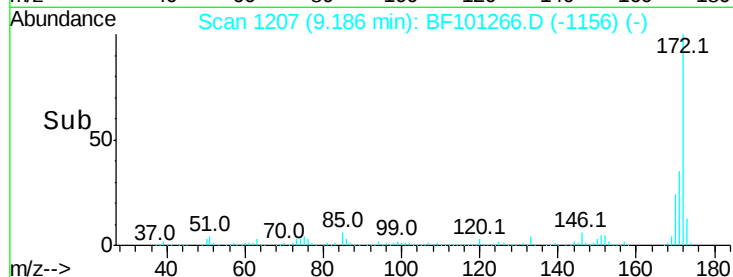
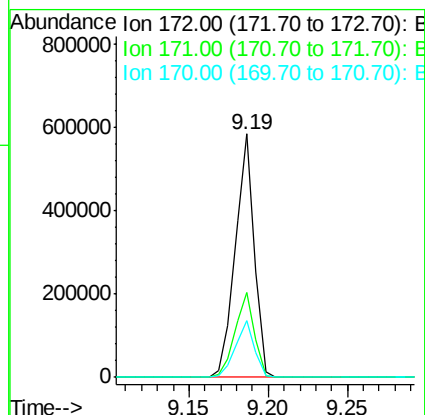
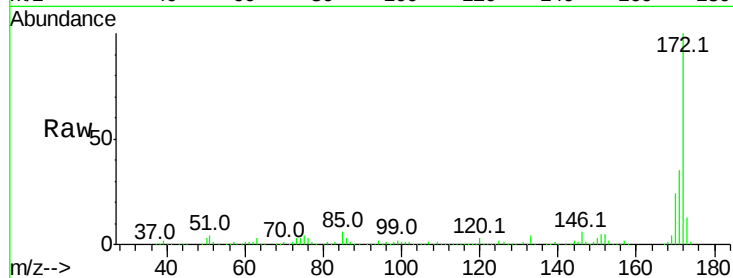




#44
 2-Fluorobiphenyl
 Concen: 102.646 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101266.D
 Acq: 9 Dec 2017 6:35

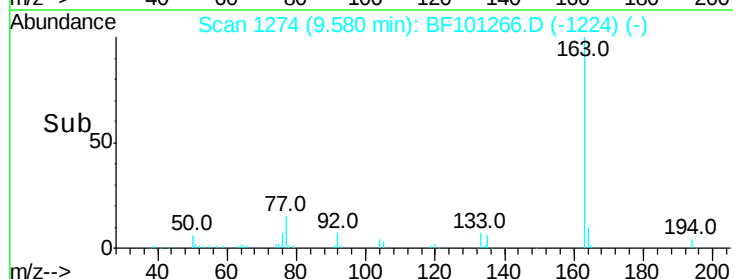
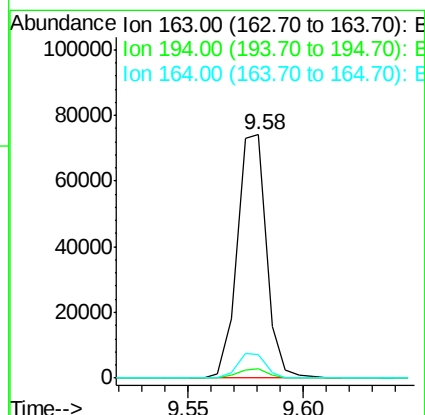
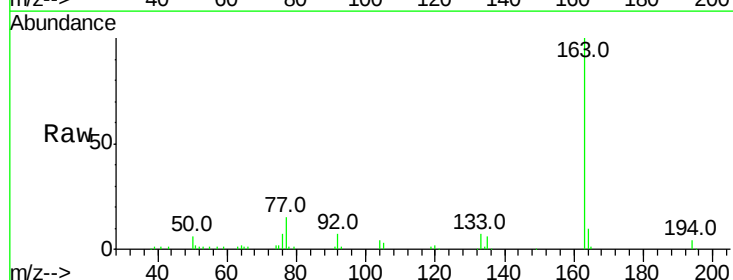
Instrument :
 BNA_F
 ClientSampleId :

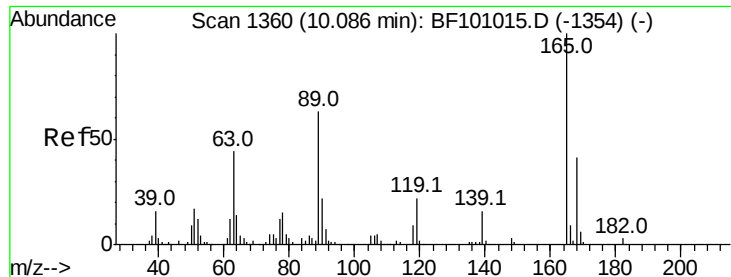
Tot Ion:172 Resp: 484842
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.5 19.6 29.4



#49
 Dimethylphthalate
 Concen: 12.593 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BF101266.D
 Acq: 9 Dec 2017 6:35

Tgt Ion:163 Resp: 65635
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 9.6 8.2 12.2

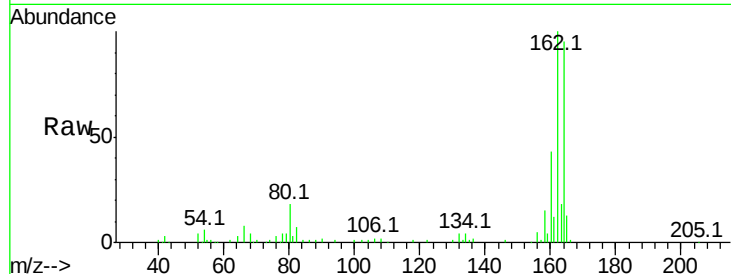




#56
 2,4-Dinitrotoluene
 Concen: 5.754 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101266.D
 Acq: 9 Dec 2017 6:35

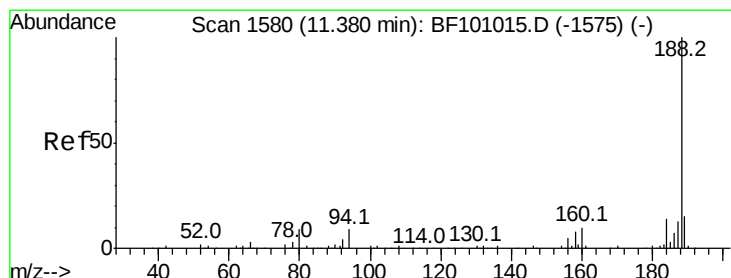
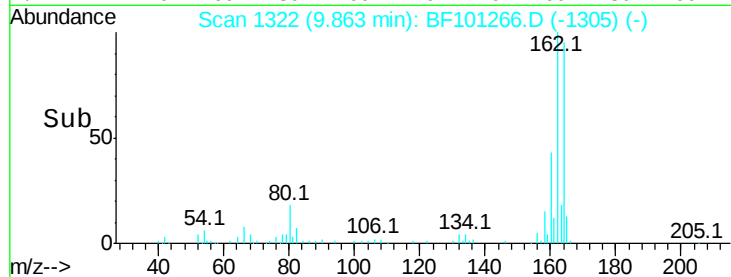
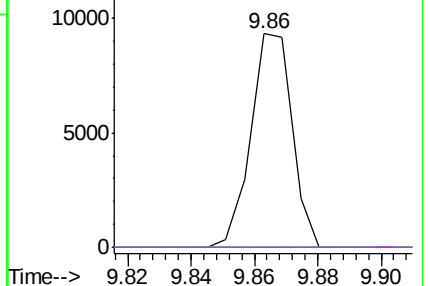
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 8465
 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#



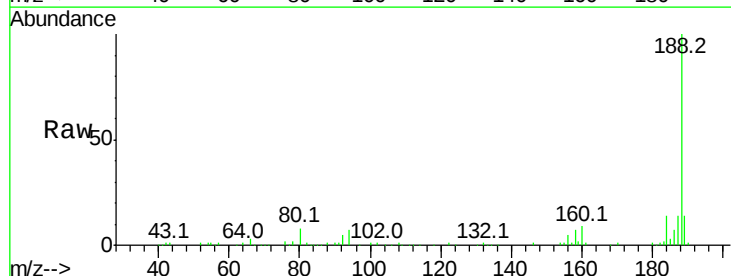
Abundance Ion 165.00 (164.70 to 165.70): E

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



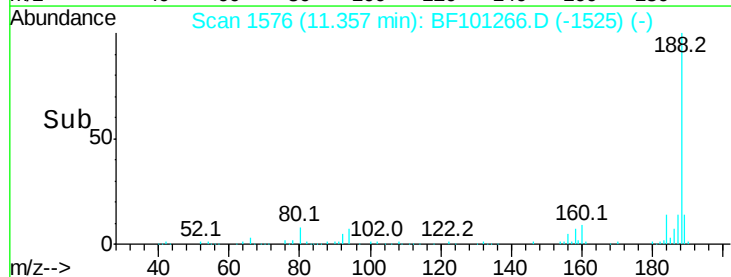
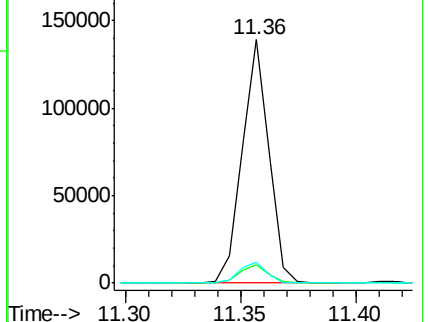
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF101266.D
 Acq: 9 Dec 2017 6:35

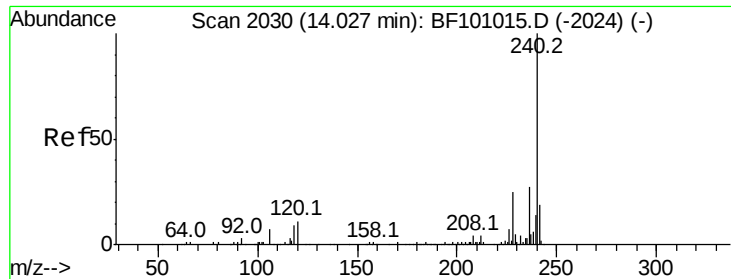
Tgt Ion:188 Resp: 111840
 Ion Ratio Lower Upper
 188 100
 94 7.3 8.5 12.7#
 80 8.3 9.2 13.8#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

Instrument :

BNA_F

ClientSampleId :

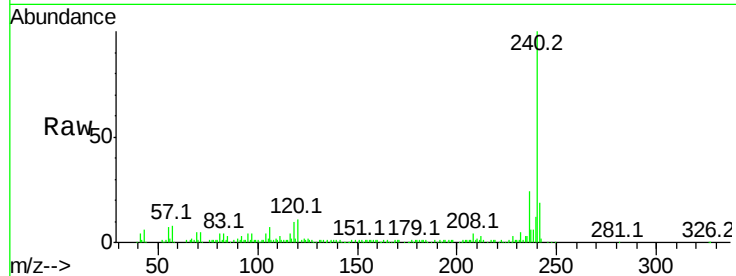
Tot Ion:240 Resp: 86895

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

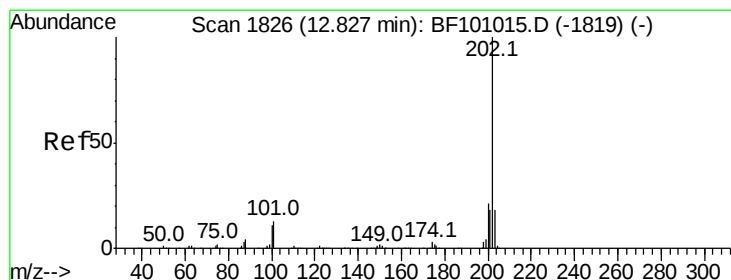
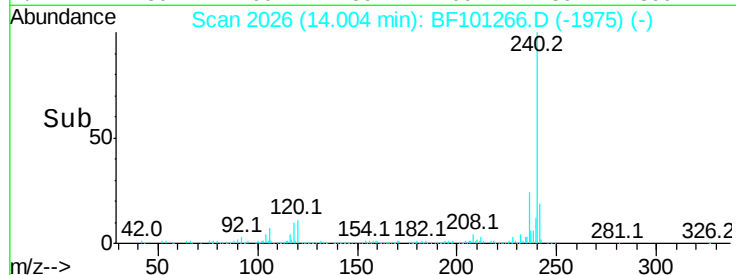
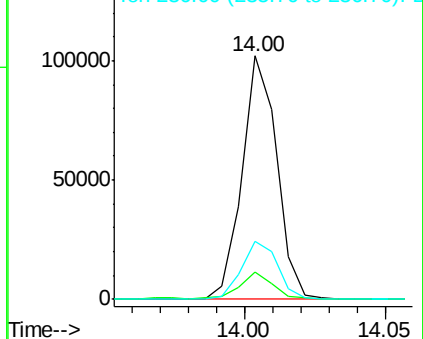
236 23.8 20.7 31.1



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: 2.048 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

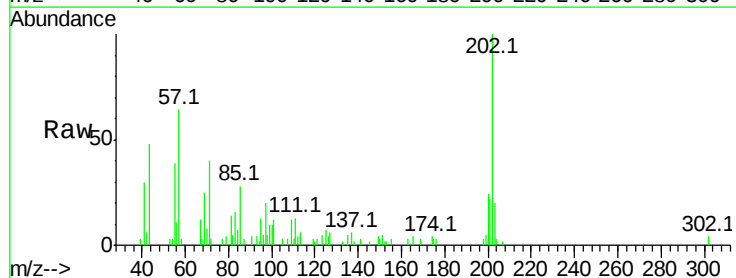
Tgt Ion:202 Resp: 12277

Ion Ratio Lower Upper

202 100

200 24.5 17.4 26.2

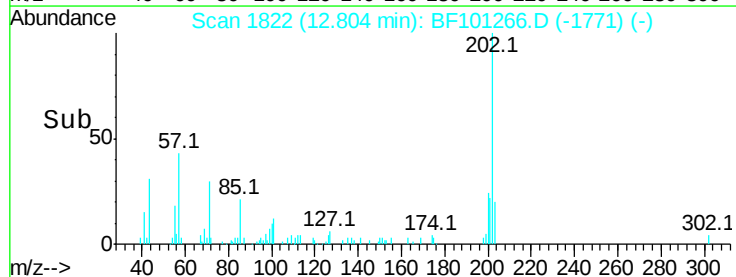
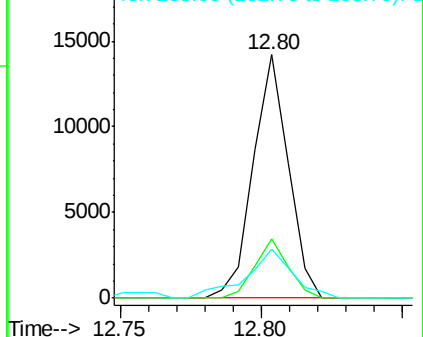
203 20.2 14.3 21.5

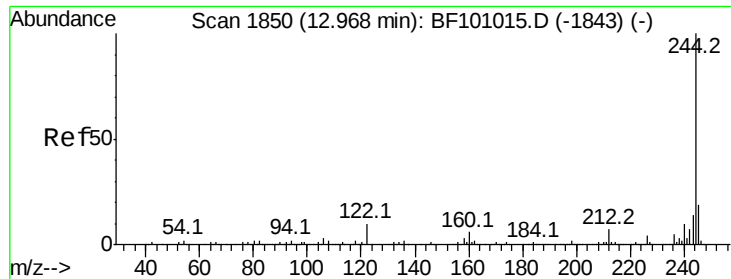


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 98.155 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

Instrument :

BNA_F

ClientSampleId :

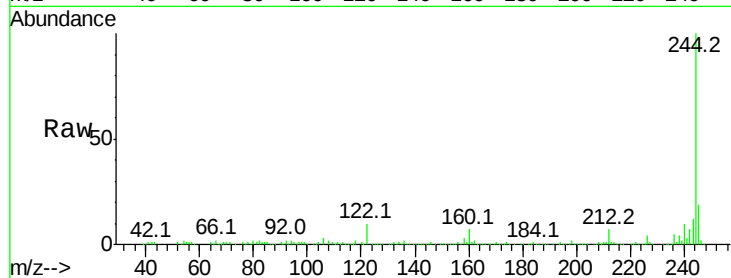
Tot Ion:244 Resp: 389947

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

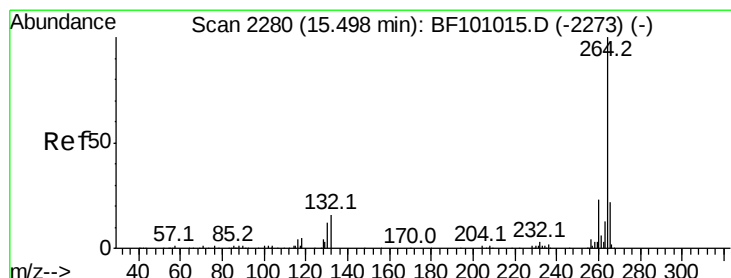
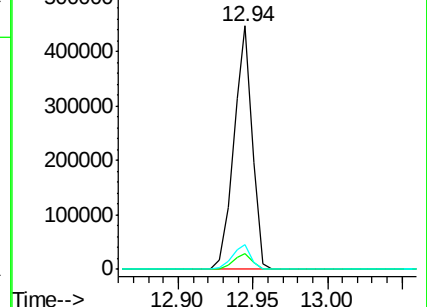
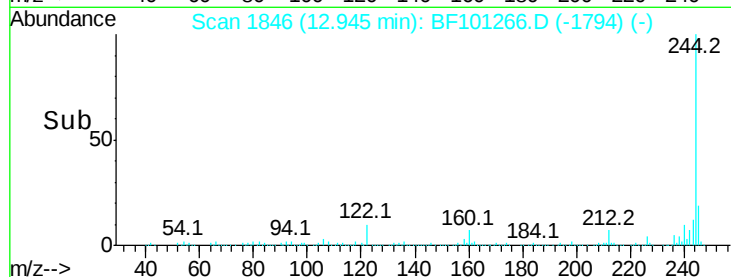
122 10.1 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

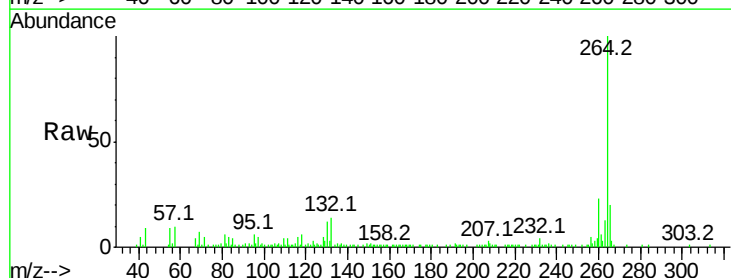
Tgt Ion:264 Resp: 72069

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

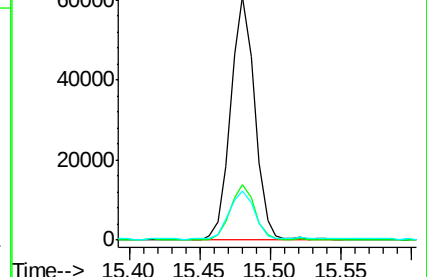
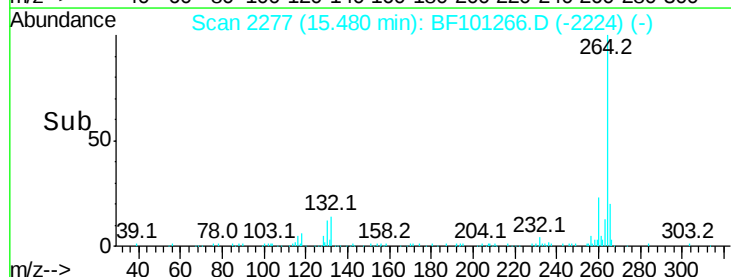
265 20.3 17.5 26.3

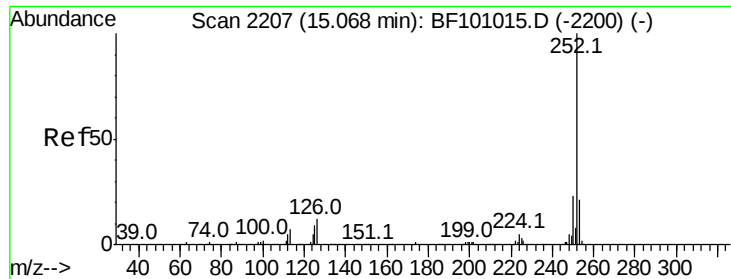


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.693 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

Instrument :

BNA_F

ClientSampleId :

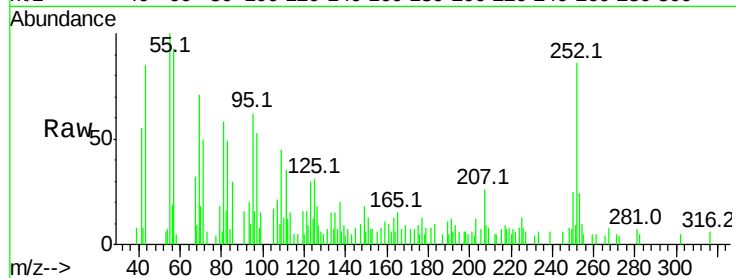
Tot Ion:252 Resp: 11626

Ion Ratio Lower Upper

252 100

253 28.4 17.0 25.6#

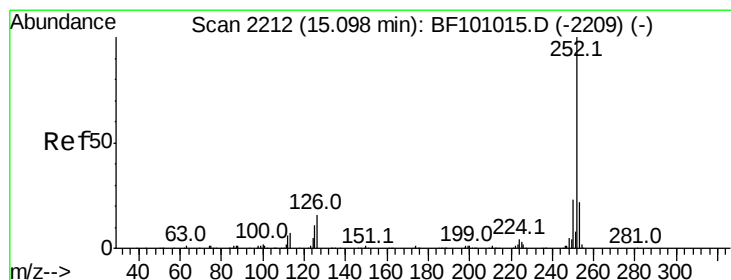
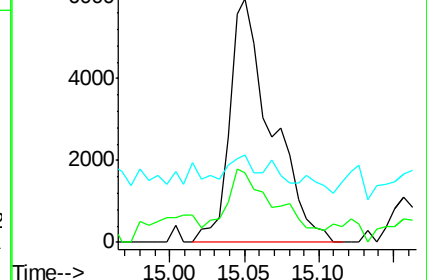
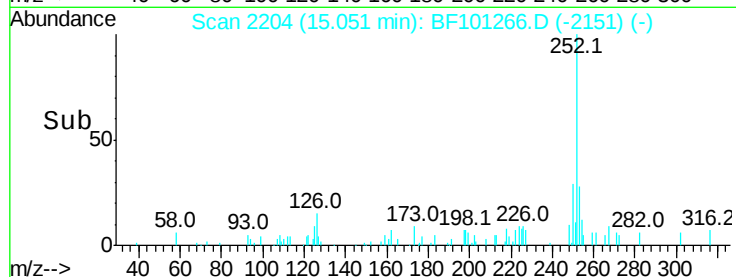
125 35.9 9.0 13.6#



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: 2.734 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF101266.D

Acq: 9 Dec 2017 6:35

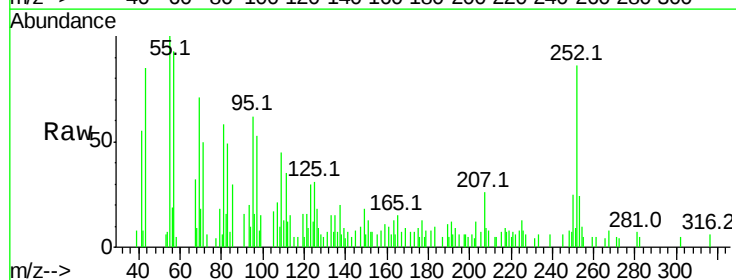
Tgt Ion:252 Resp: 11626

Ion Ratio Lower Upper

252 100

253 28.4 17.9 26.9#

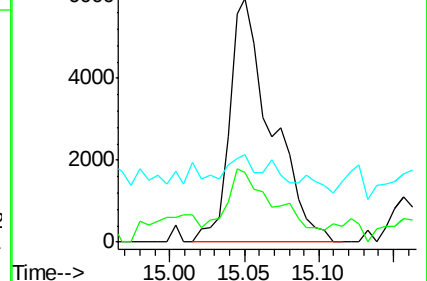
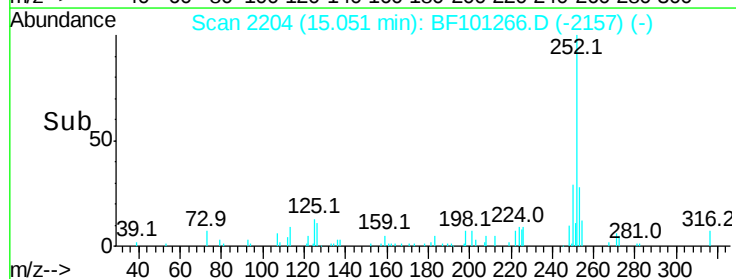
125 35.9 10.2 15.2#

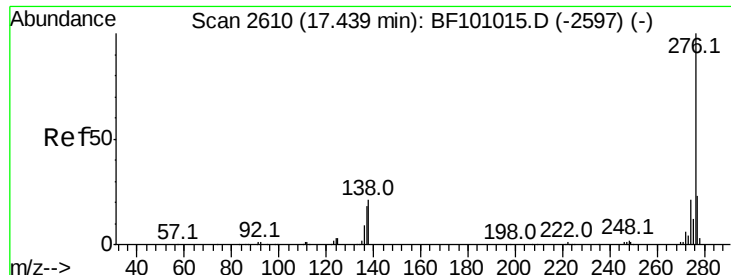


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

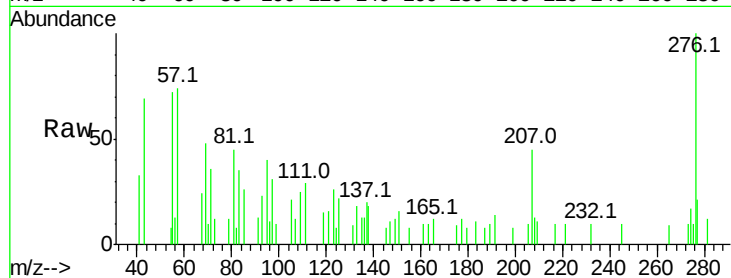




#91
 Benzo(a,h,i)perylene
 Concen: 2.322 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.02 min
 Lab File: BF101266.D
 Acq: 9 Dec 2017 6:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 7570
 Ion Ratio Lower Upper
 276 100
 277 20.7 17.9 26.9
 138 17.7 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

