

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098612.D
 Acq On : 18 Sep 2017 19:59
 Operator : SJ/JU
 Sample : I5265-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:37:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	110375	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	431150	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	186962	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	290304	20.00	ng	0.00
75) Chrysene-d12	13.79	240	199137	20.00	ng	0.00
86) Perylene-d12	15.18	264	176747	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	867037	116.14	ng	0.00
7) Phenol-d6	6.29	99	1064899	112.35	ng	0.00
23) Nitrobenzene-d5	7.20	82	651233	84.21	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	164649	131.95	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1003090	90.94	ng	0.00
78) Terphenyl-d14	12.73	244	645075	69.92	ng	0.00

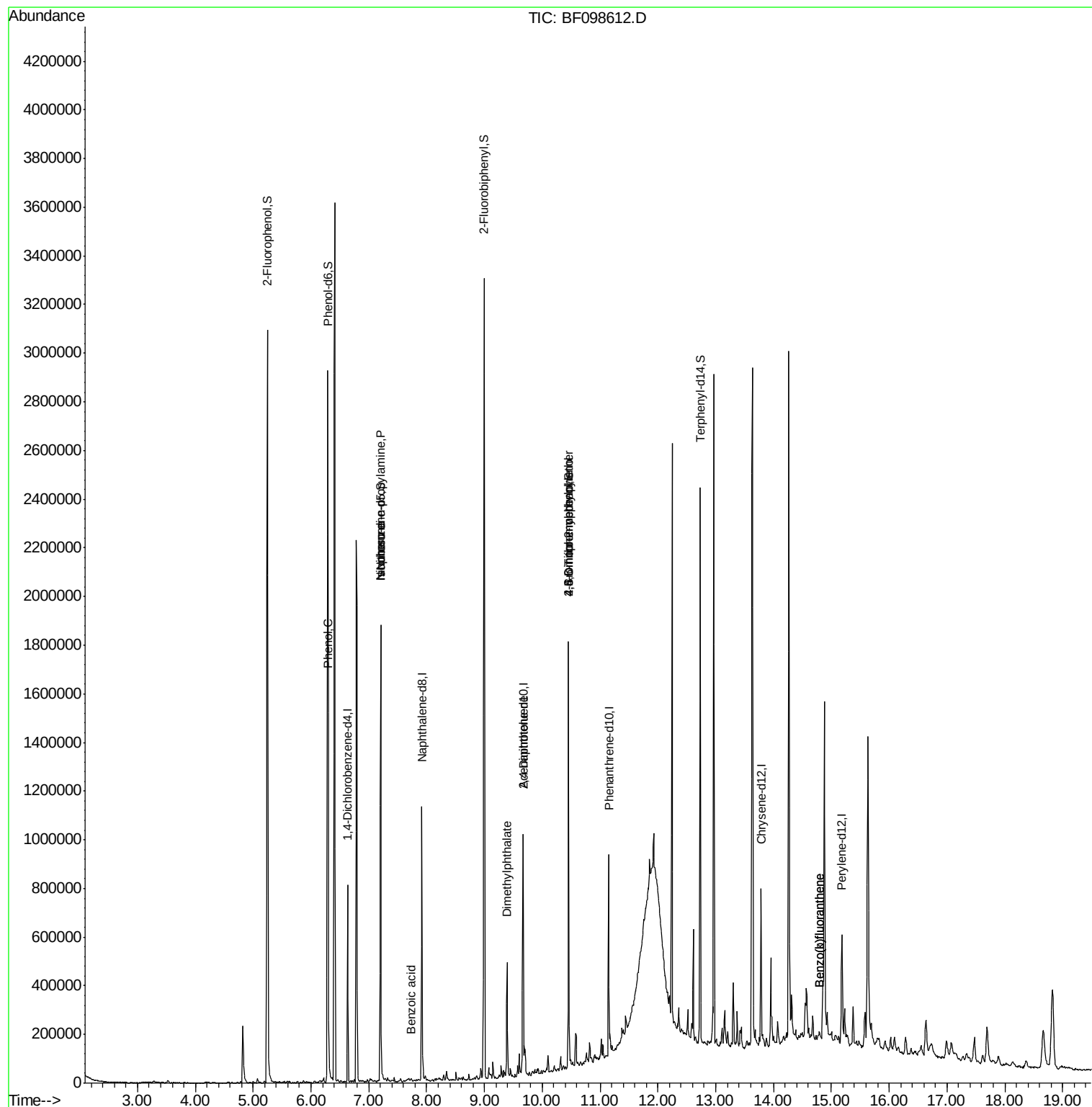
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.30	94	23899	2.171	ng	84
19) n-Nitroso-di-n-propylamine	7.20	70	89780	15.059	ng	# 81
25) Isophorone	7.20	82	651229	41.619	ng	# 67
32) Benzoic acid	7.74	122	1507	8.246	ng	# 90
49) Dimethylphthalate	9.39	163	145762	10.072	ng	98
56) 2,4-Dinitrotoluene	9.67	165	24216	6.700	ng	# 35
64) 4,6-Dinitro-2-methylphenol	10.46	198	488	5.210	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	13144	4.771	ng	# 1
87) Benzo(b)fluoranthene	14.79	252	22690	2.042	ng	# 85
88) Benzo(k)fluoranthene	14.79	252	22690	2.187	ng	# 89

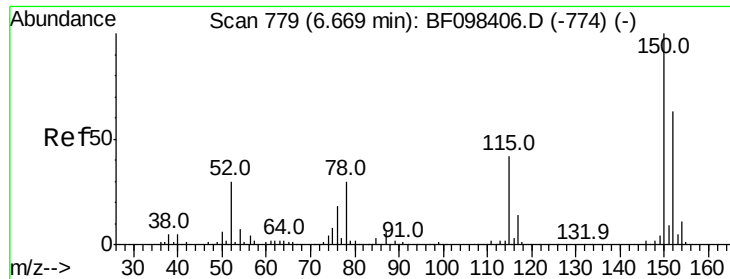
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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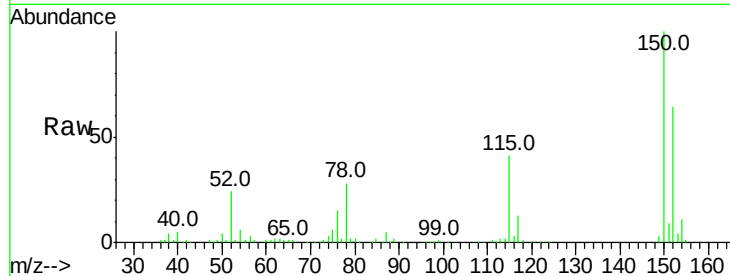


#1

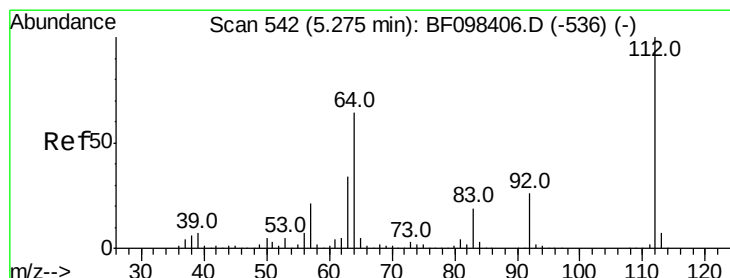
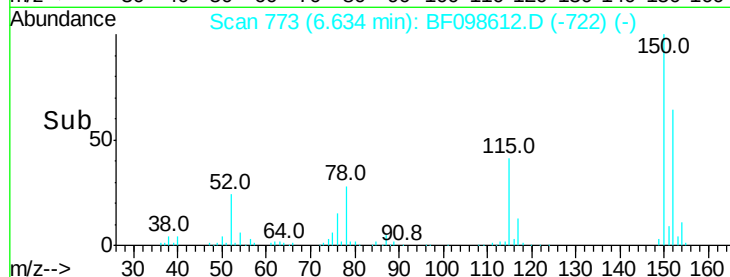
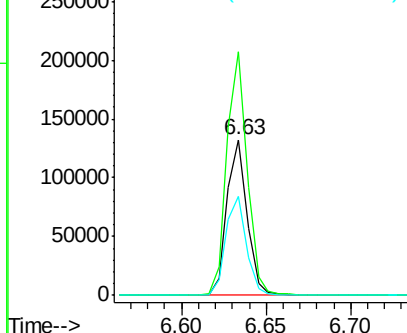
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF098612.D
Acq: 18 Sep 2017 19:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110375
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 63.7 52.2 78.2



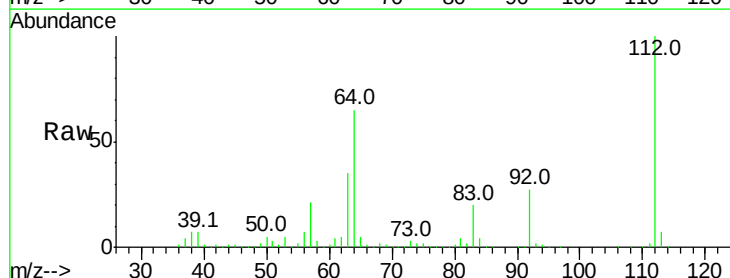
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



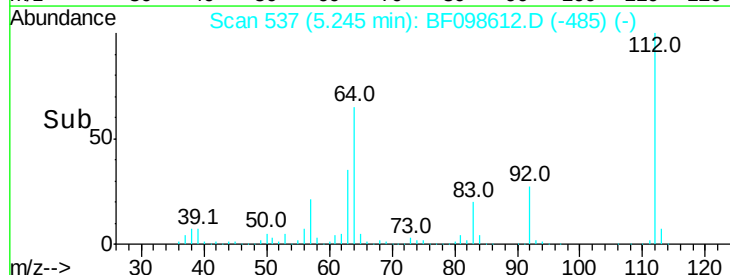
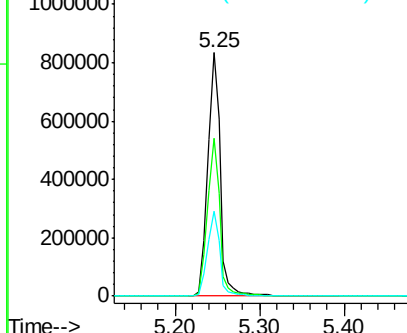
#5

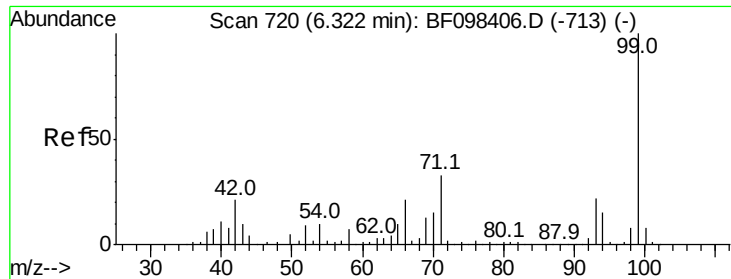
2-Fluorophenol
Concen: 116.144 ng
RT: 5.25 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF098612.D
Acq: 18 Sep 2017 19:59

Tgt Ion:112 Resp: 867037
Ion Ratio Lower Upper
112 100
64 64.7 46.0 69.0
63 34.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.351 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Instrument :

BNA_F

ClientSampled :

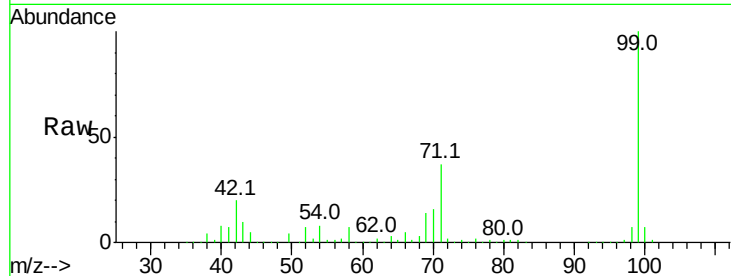
Tot Ion: 99 Resp: 1064899

Ion Ratio Lower Upper

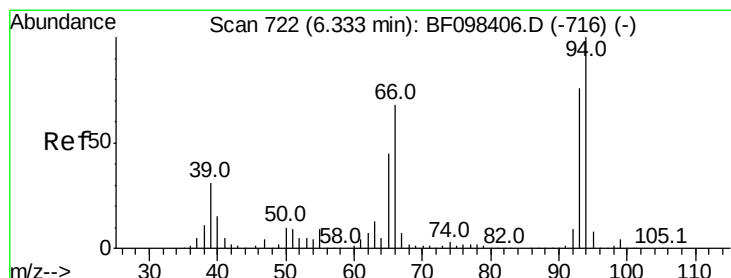
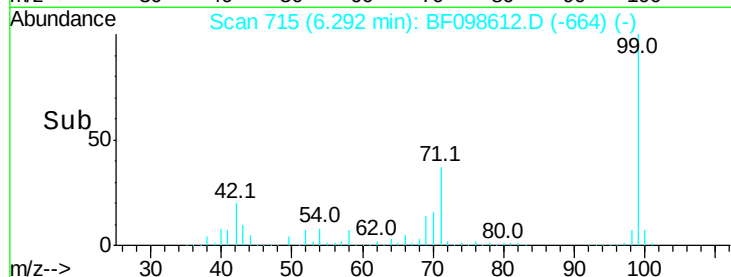
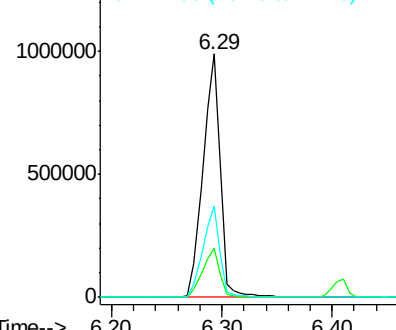
99 100

42 19.9 13.5 20.3

71 37.5 24.5 36.7#



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.171 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

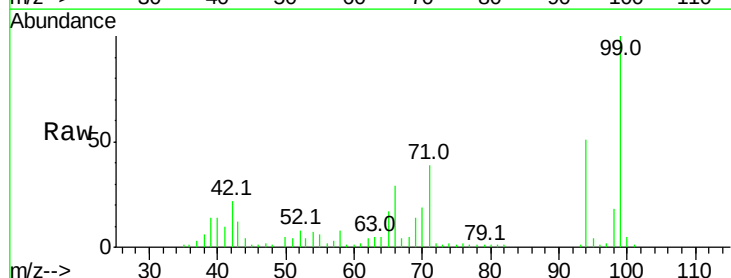
Tgt Ion: 94 Resp: 23899

Ion Ratio Lower Upper

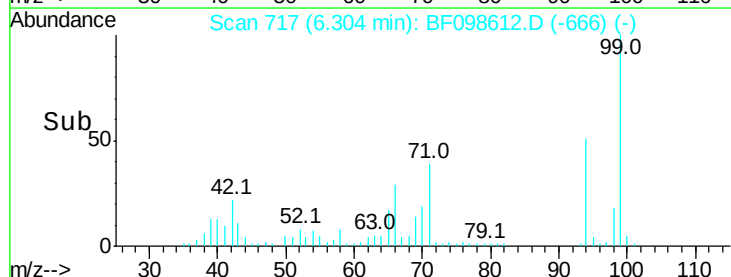
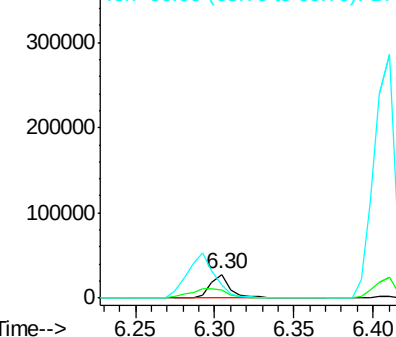
94 100

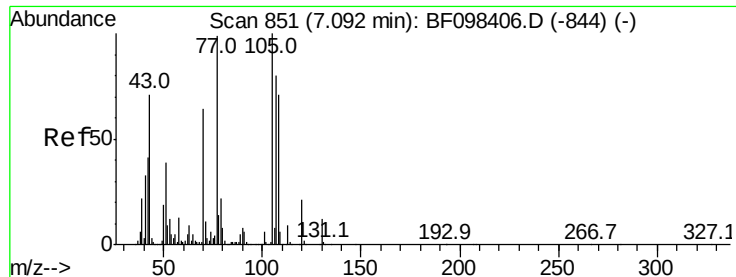
65 34.0 9.9 49.9

66 57.0 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.059 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.15 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 89780

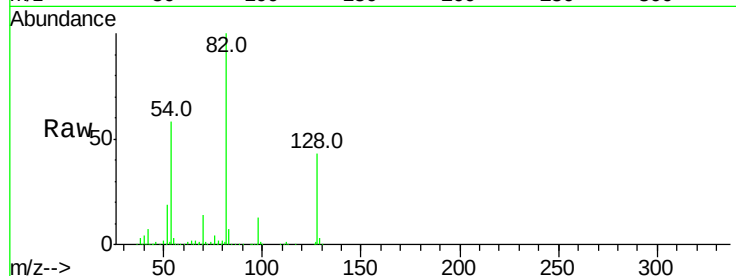
Ion Ratio Lower Upper

70 100

42 51.2 47.2 70.8

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

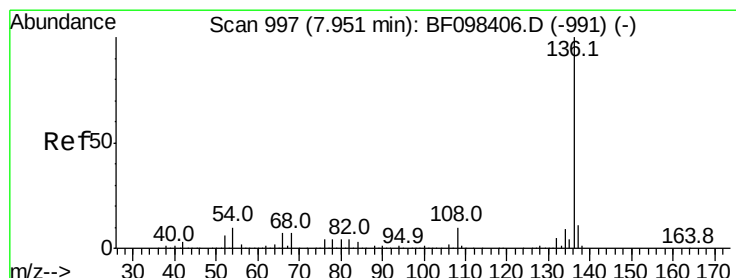
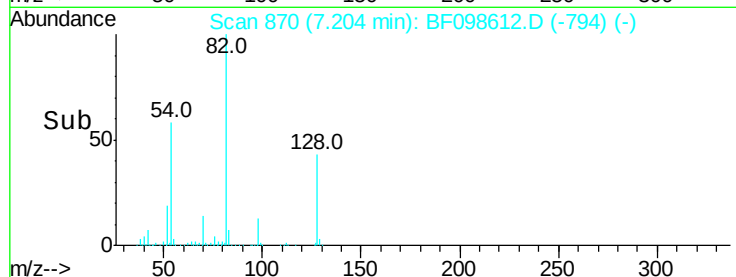
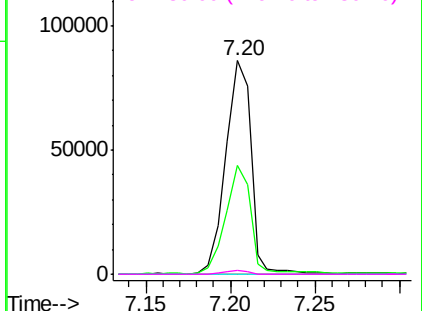


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Tgt Ion: 136 Resp: 431150

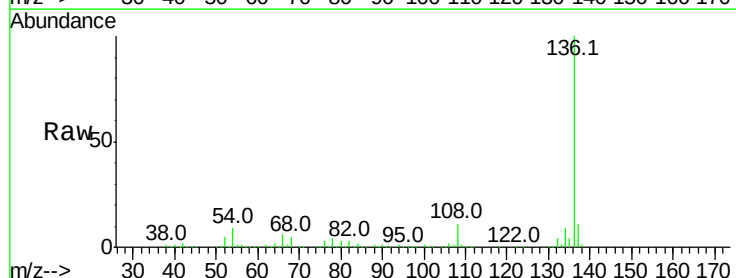
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 9.3 4.9 7.3#

68 5.4 4.1 6.1

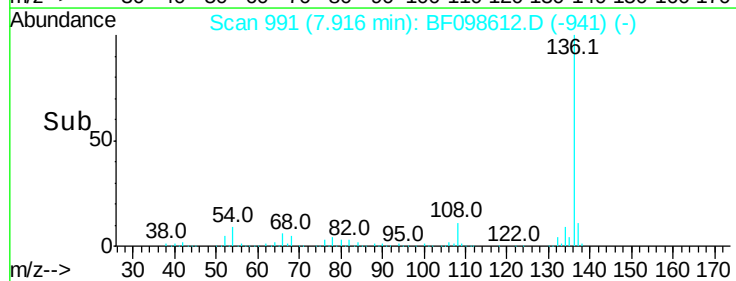
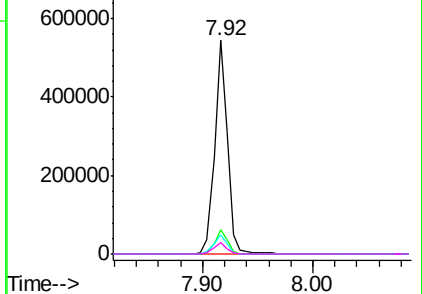


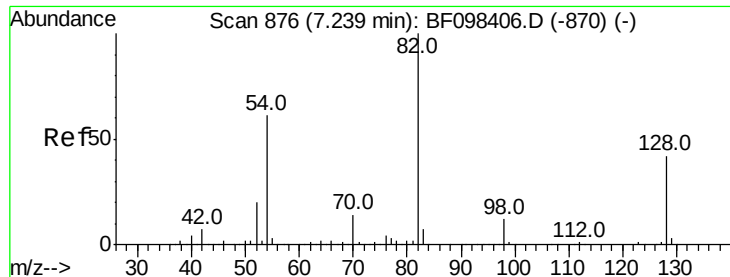
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

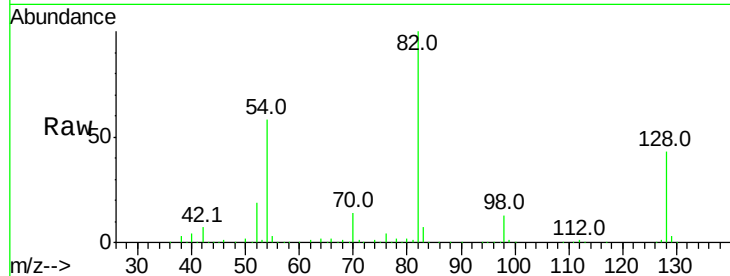




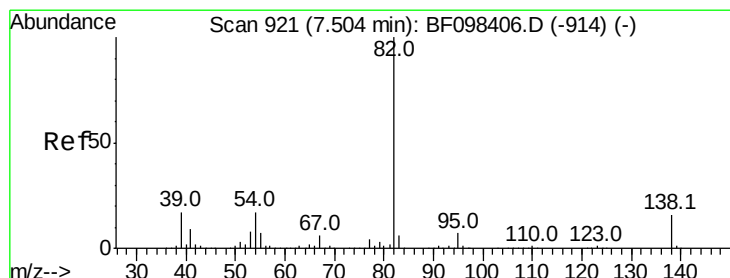
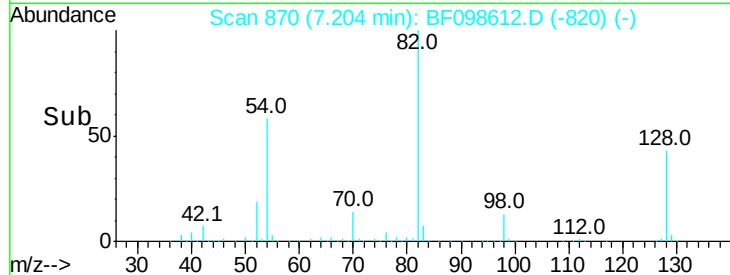
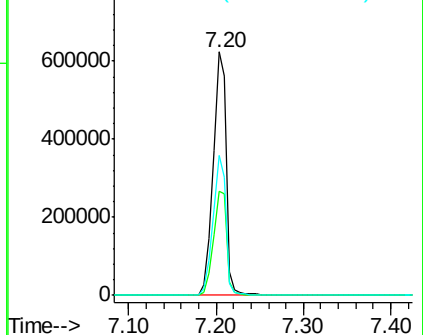
#23
Nitrobenzene-d5
Concen: 84.207 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF098612.D
Acq: 18 Sep 2017 19:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	57.6	42.2	63.2

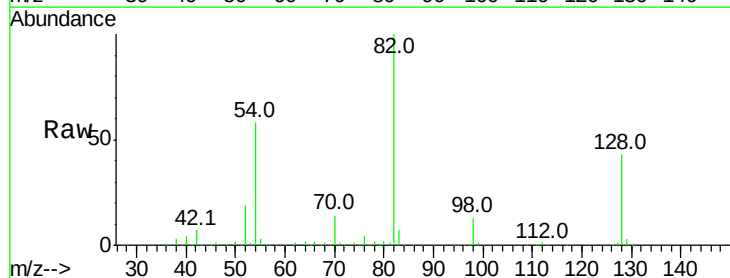


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

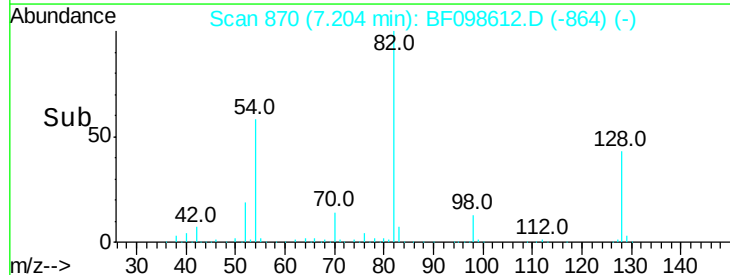
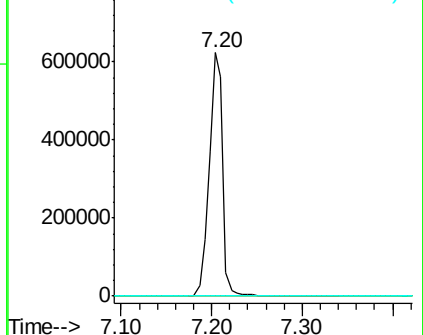


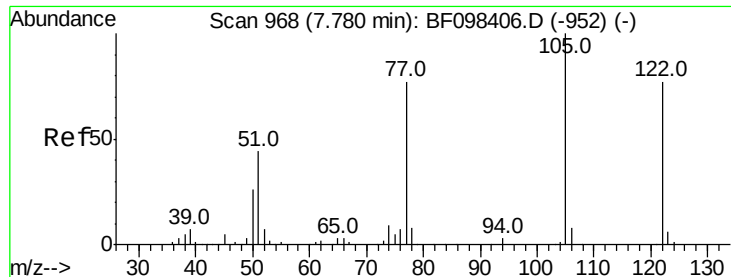
#25
Isophorone
Concen: 41.619 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.26 min
Lab File: BF098612.D
Acq: 18 Sep 2017 19:59

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 8.246 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Instrument :

BNA_F

ClientSampleId :

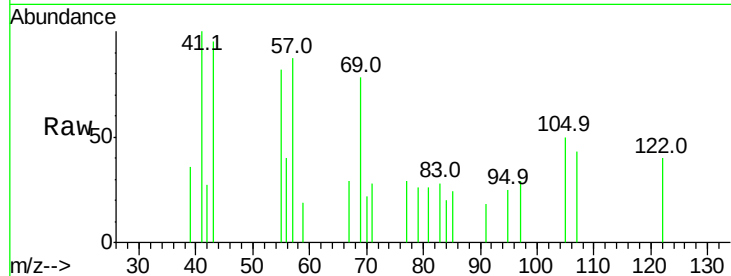
Tot Ion:122 Resp: 1507

Ion Ratio Lower Upper

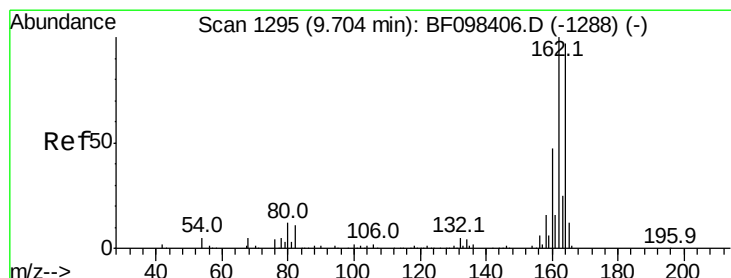
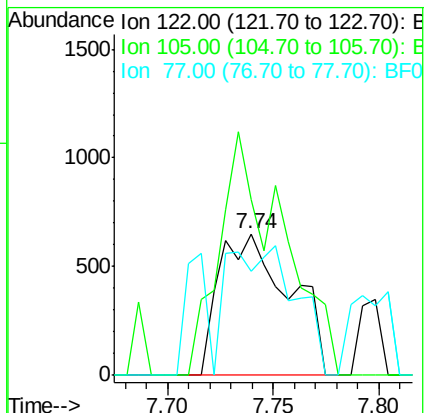
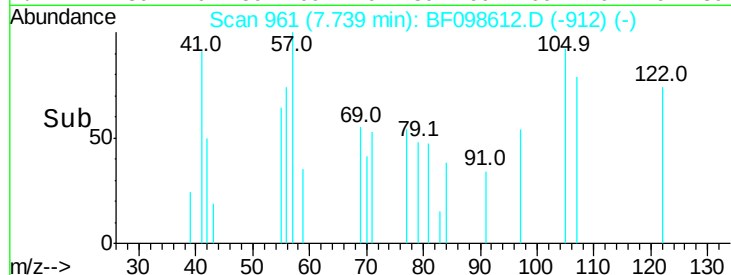
122 100

105 124.6 103.3 143.3

77 73.4 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

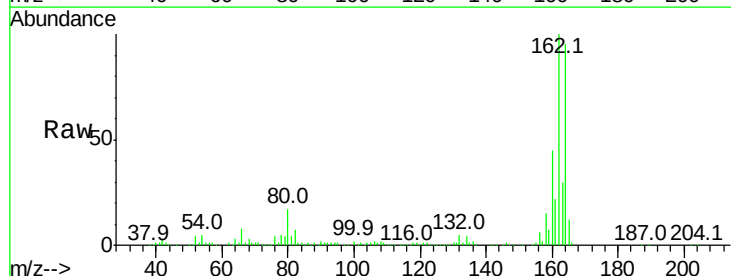
Tgt Ion:164 Resp: 186962

Ion Ratio Lower Upper

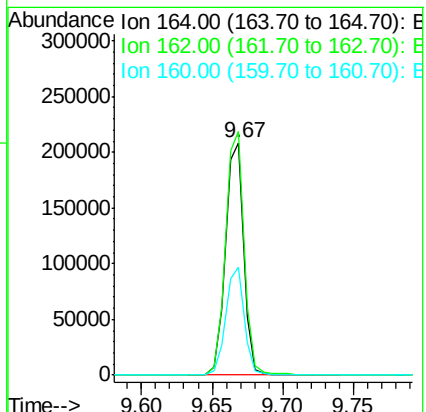
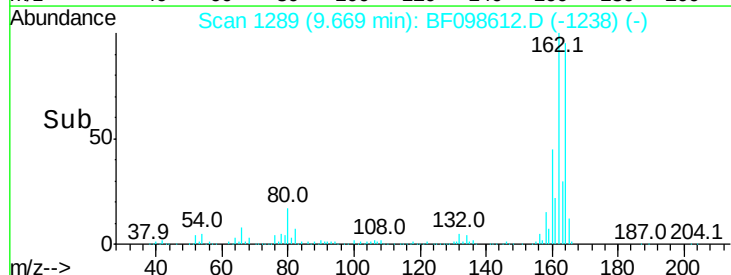
164 100

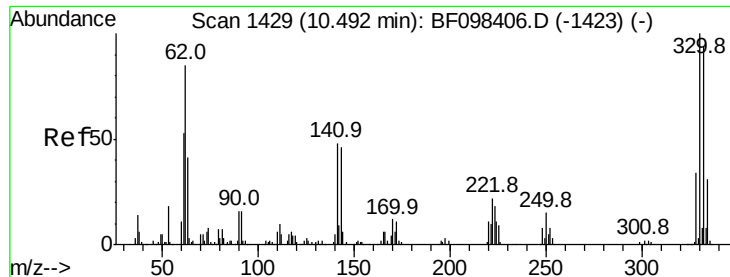
162 104.8 82.6 123.8

160 46.7 36.2 54.2



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

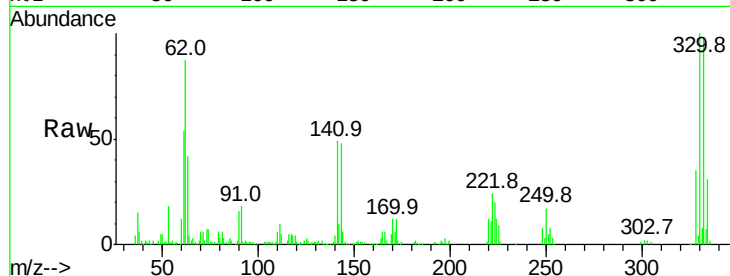




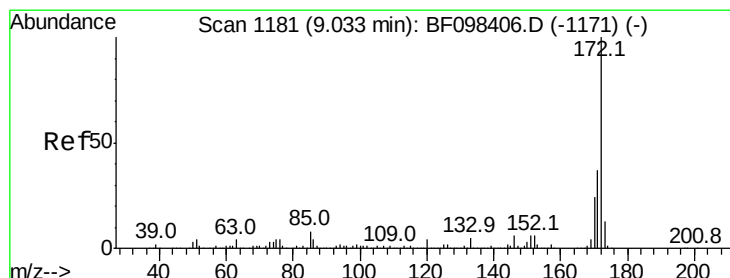
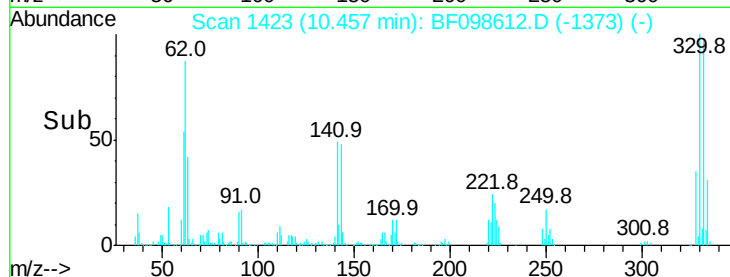
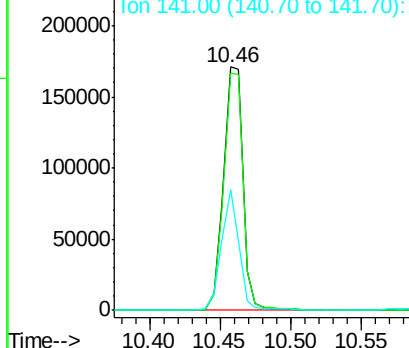
#41
 2,4,6-Tribromophenol
 Concen: 131.949 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF098612.D
 Acq: 18 Sep 2017 19:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 164649
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 45.4 31.4 47.2

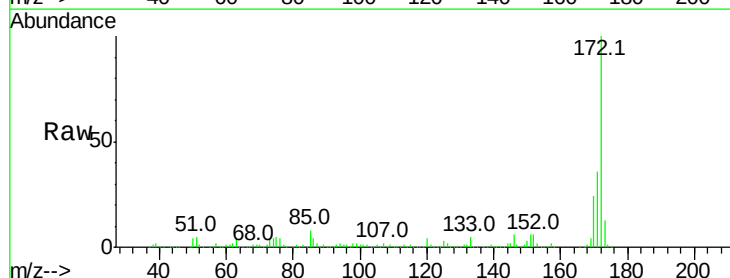


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

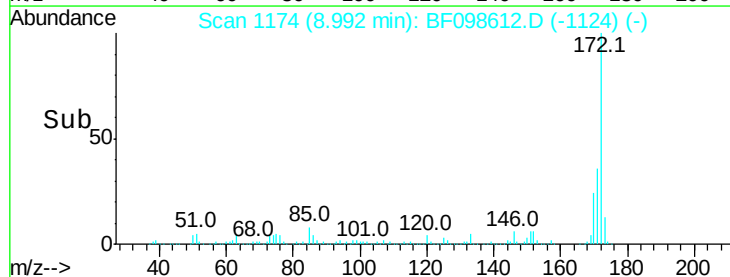
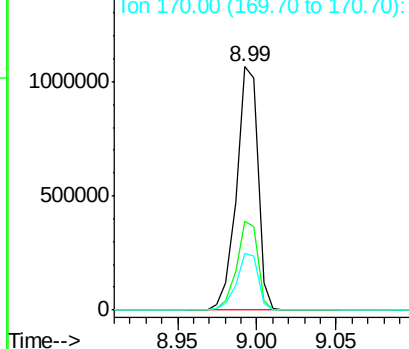


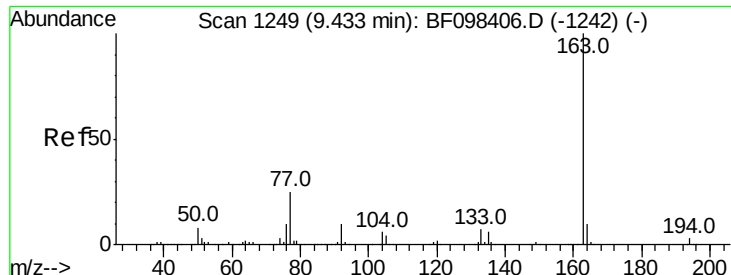
#44
 2-Fluorobiphenyl
 Concen: 90.936 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF098612.D
 Acq: 18 Sep 2017 19:59

Tgt Ion:172 Resp: 1003090
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.5 19.8 29.8



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: 10.072 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Instrument :

BNA_F

ClientSampled :

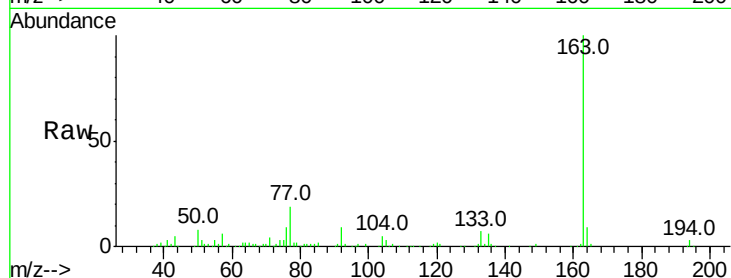
Tot Ion:163 Resp: 145762

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

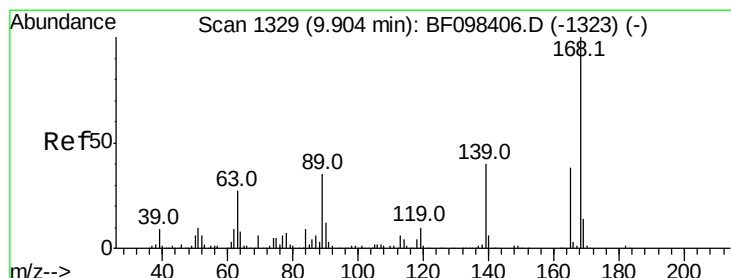
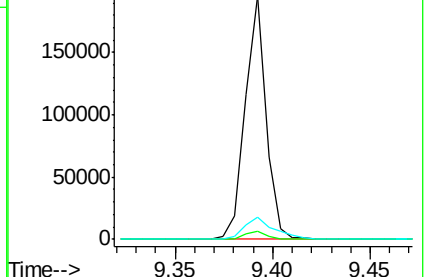
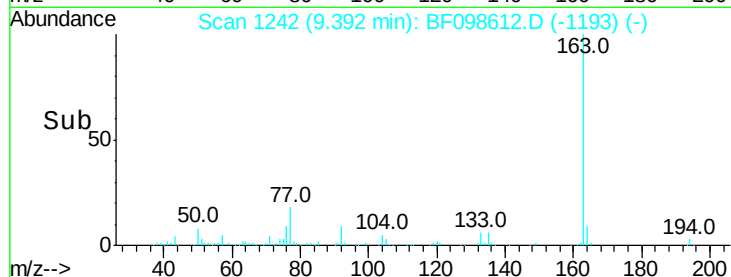
164 9.4 8.4 12.6



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: 6.700 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.21 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Tgt Ion:165 Resp: 24216

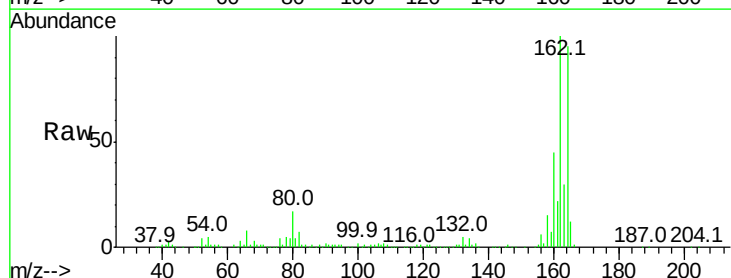
Ion Ratio Lower Upper

165 100

63 3.0 25.4 38.0#

89 2.5 46.4 69.6#

182 0.0 1.8 2.6#

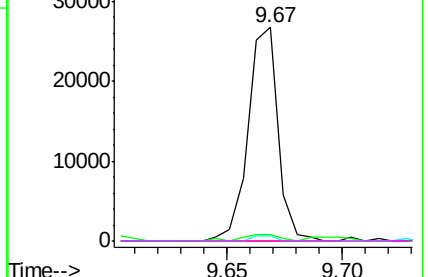
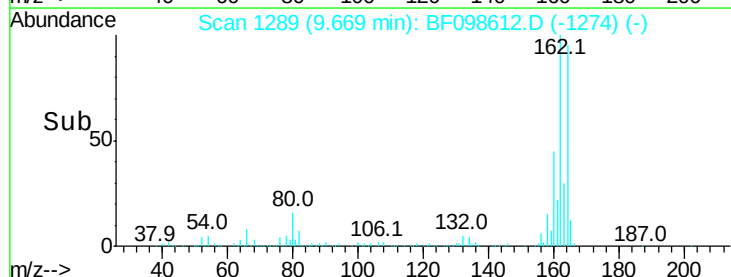


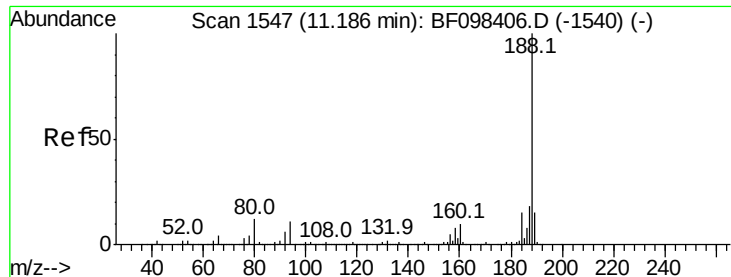
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Instrument :

BNA_F

ClientSampleId :

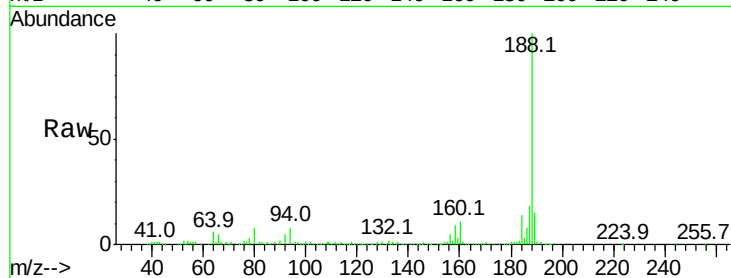
Tot Ion:188 Resp: 290304

Ion Ratio Lower Upper

188 100

94 8.5 9.4 14.2#

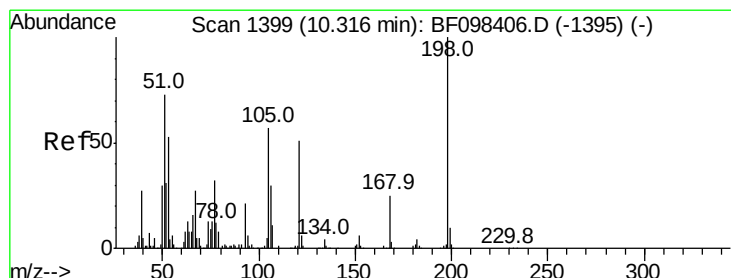
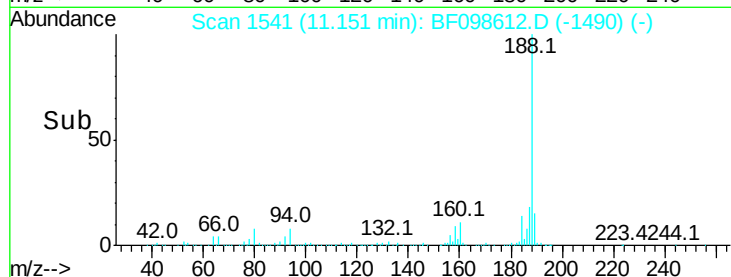
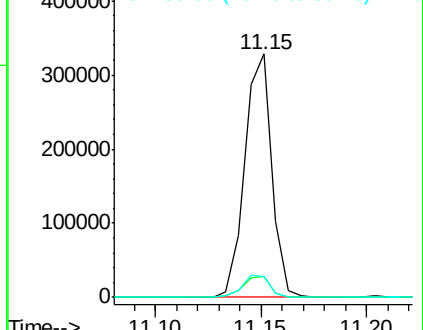
80 8.4 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 5.210 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.16 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

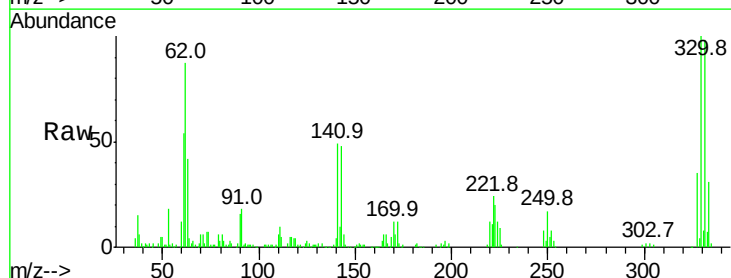
Tgt Ion:198 Resp: 488

Ion Ratio Lower Upper

198 100

51 305.2 53.2 93.2#

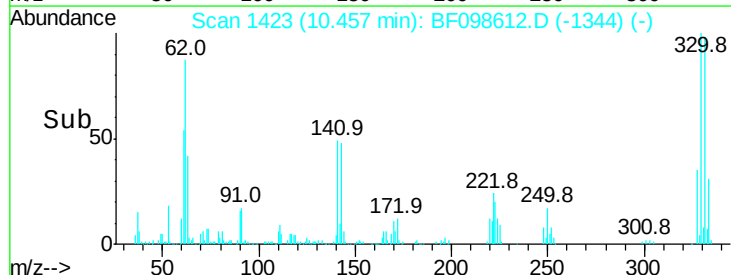
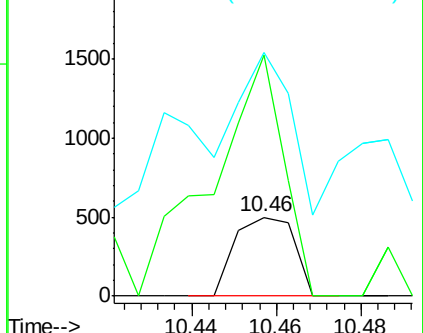
105 308.2 45.8 85.8#

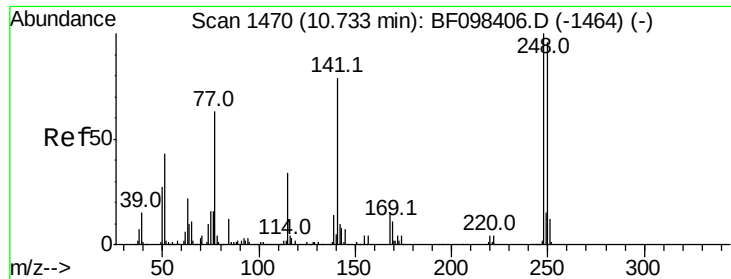


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

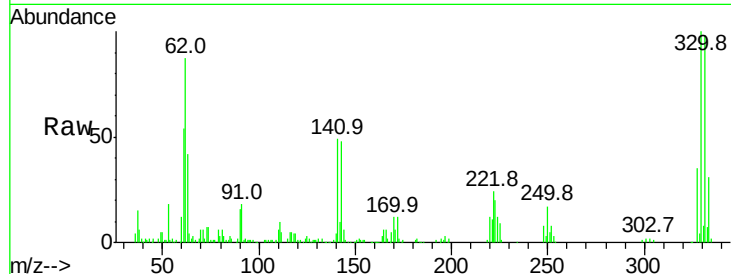




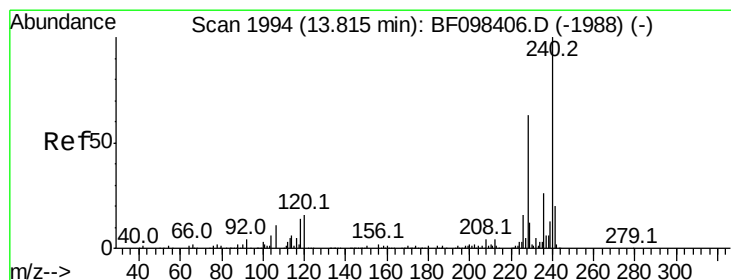
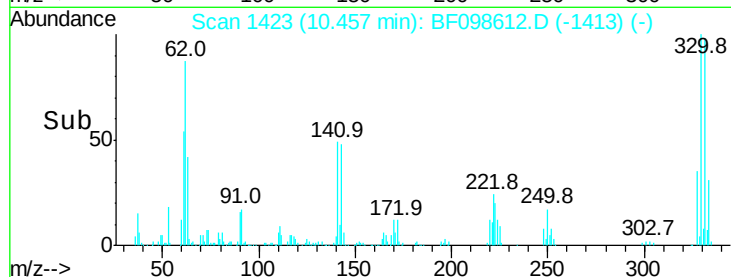
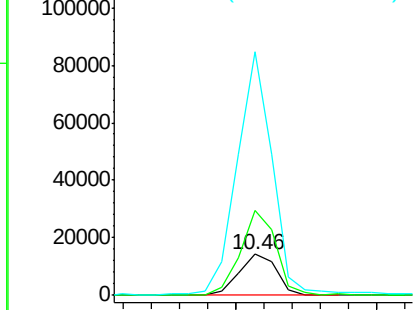
#66
 4-Bromophenyl-phenylether
 Concen: 4.771 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.24 min
 Lab File: BF098612.D
 Acq: 18 Sep 2017 19:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13144
 Ion Ratio Lower Upper
 248 100
 250 205.4 76.8 115.2#
 141 589.8 68.6 103.0#

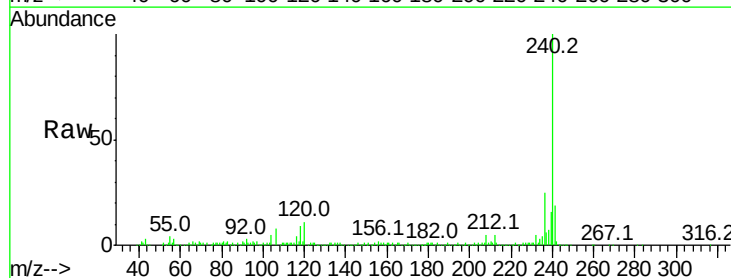


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

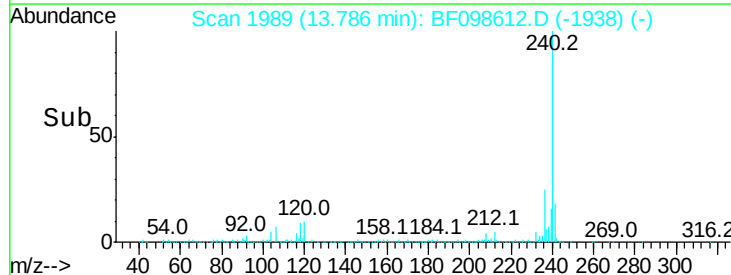
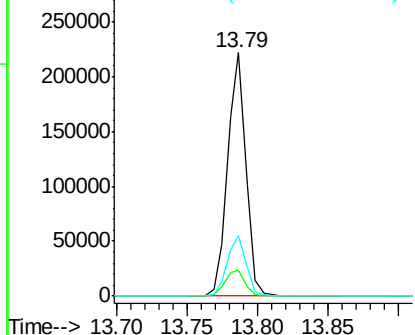


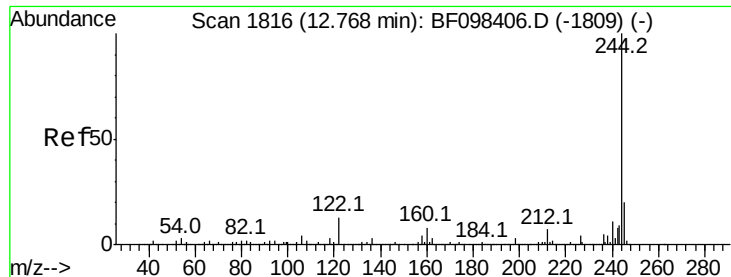
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: BF098612.D
 Acq: 18 Sep 2017 19:59

Tgt Ion:240 Resp: 199137
 Ion Ratio Lower Upper
 240 100
 120 10.5 5.8 8.8#
 236 25.0 20.5 30.7



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





#78

Terphenyl-d14

Concen: 69.920 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

Instrument :

BNA_F

ClientSampleId :

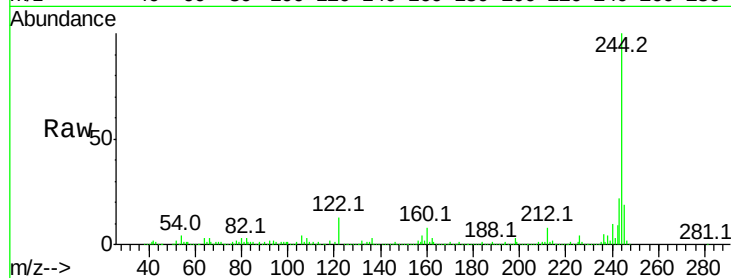
Tot Ion:244 Resp: 645075

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

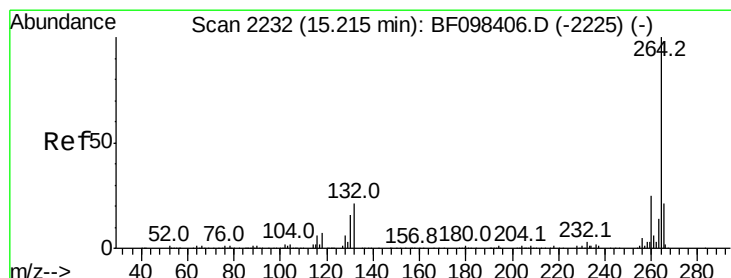
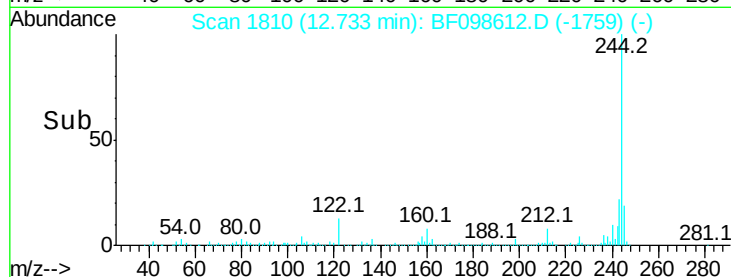
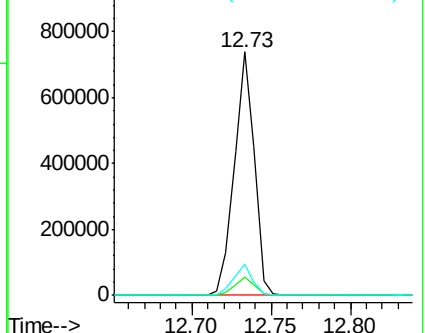
122 12.8 10.3 15.5



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: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF098612.D

Acq: 18 Sep 2017 19:59

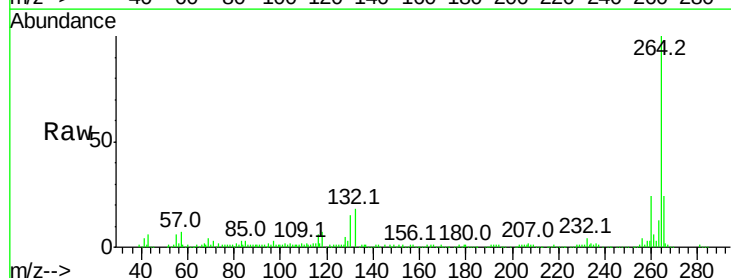
Tgt Ion:264 Resp: 176747

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

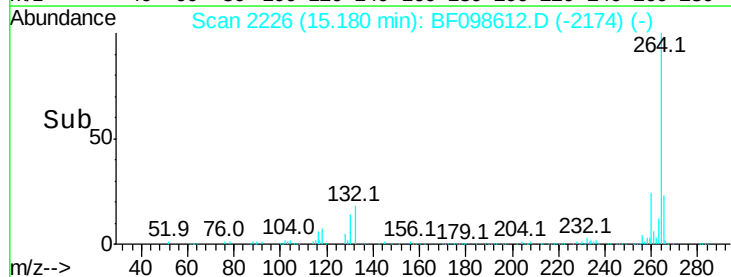
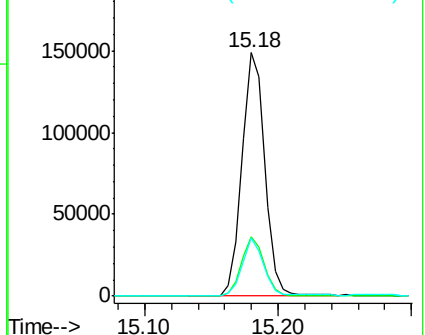
265 23.7 17.2 25.8

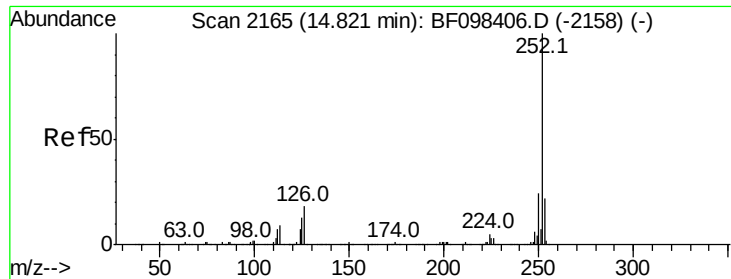


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

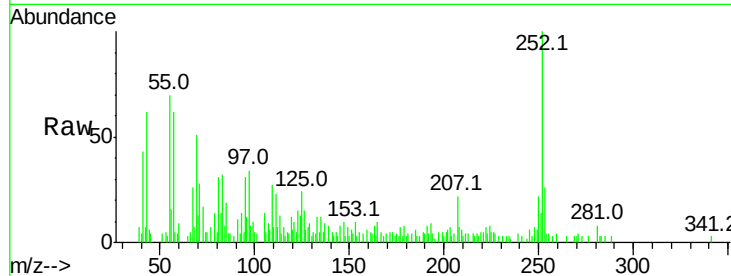




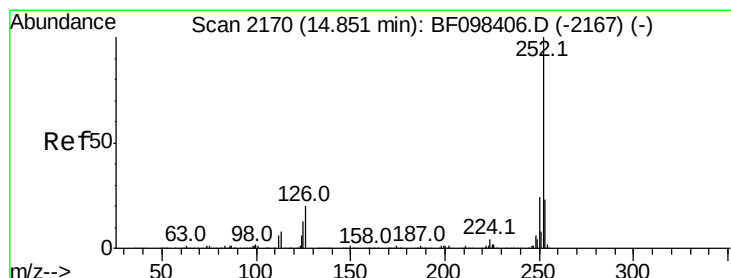
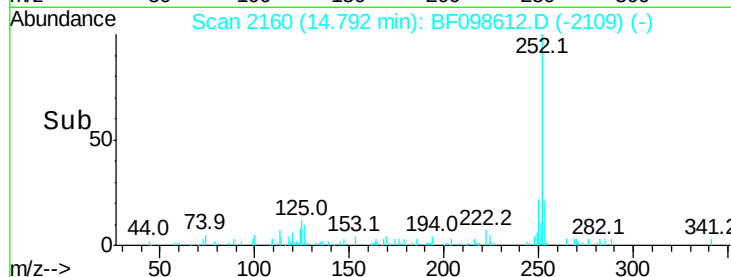
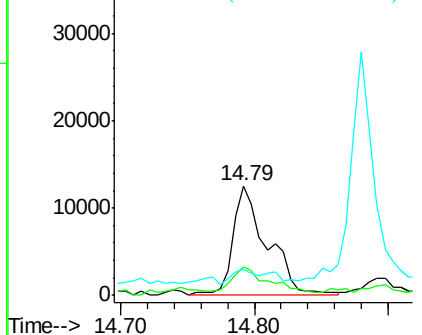
#87
Benzo(b)fluoranthene
Concen: 2.042 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BF098612.D
Acq: 18 Sep 2017 19:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 22690
Ion Ratio Lower Upper
252 100
253 25.9 18.1 27.1
125 23.8 9.8 14.8#

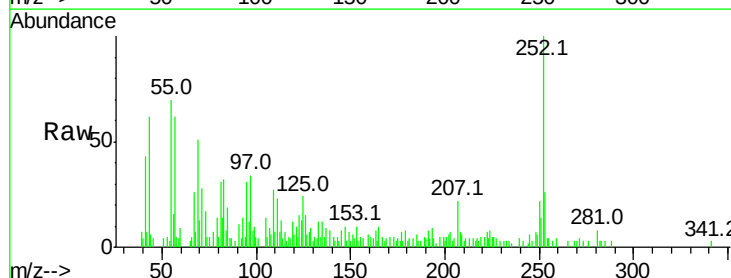


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.187 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BF098612.D
Acq: 18 Sep 2017 19:59

Tgt Ion:252 Resp: 22690
Ion Ratio Lower Upper
252 100
253 25.9 18.4 27.6
125 23.8 13.1 19.7#



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

