

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098476.D
 Acq On : 13 Sep 2017 3:45
 Operator : SJ/JU
 Sample : I5171-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Quant Time: Sep 13 05:41:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

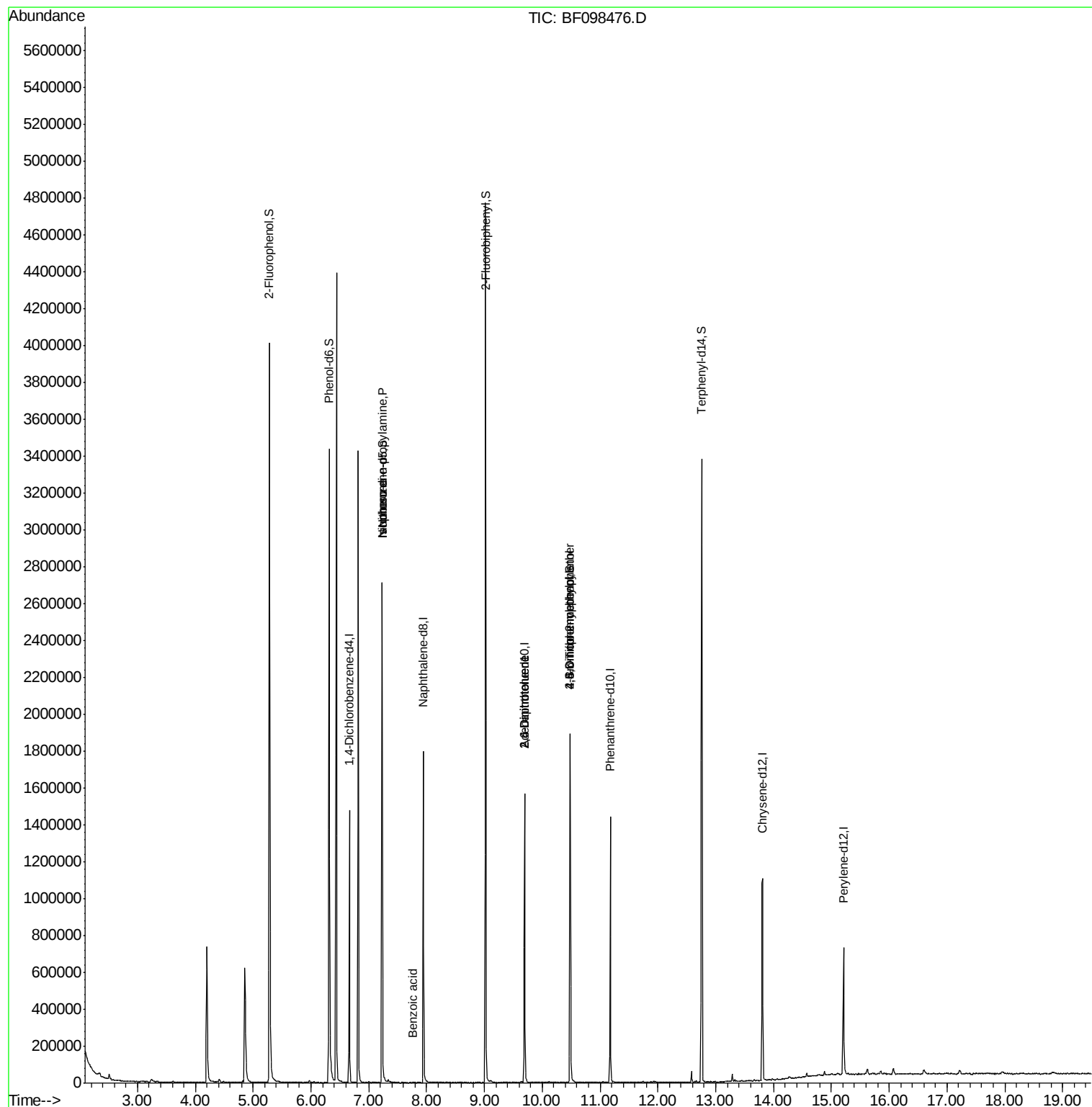
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	191521	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	751333	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	292229	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	451044	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	369038	20.00	ng	0.00
86) Perylene-d12	15.21	264	290036	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1164315	89.88	ng	0.00
7) Phenol-d6	6.32	99	1296528	78.83	ng	0.00
23) Nitrobenzene-d5	7.23	82	883190	65.53	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	207495	106.39	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1409380	81.74	ng	-0.01
78) Terphenyl-d14	12.76	244	1018323	59.56	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	115990	11.212	ng	# 81
25) Isophorone	7.23	82	870581	31.928	ng	# 67
32) Benzoic acid	7.76	122	240	7.995	ng	# 36
50) 2,6-Dinitrotoluene	9.69	165	37310	8.030	ng	# 34
56) 2,4-Dinitrotoluene	9.69	165	37310	6.605	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.48	198	375	5.086	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	15268	3.567	ng	# 1

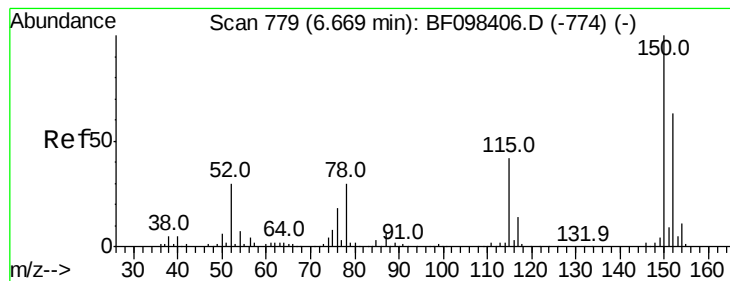
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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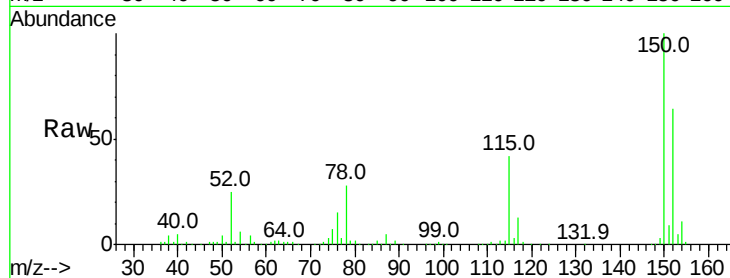


#1

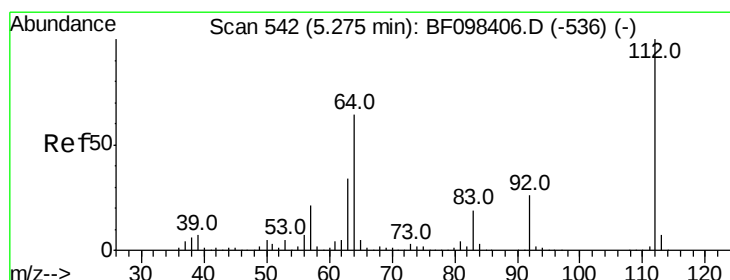
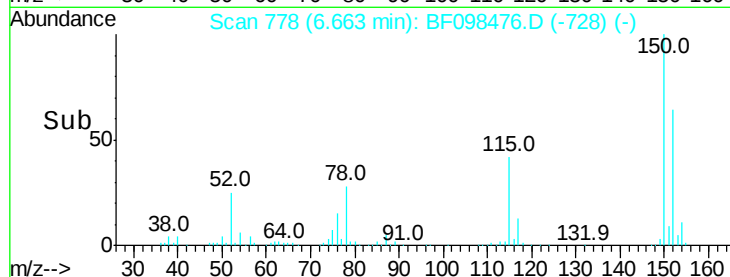
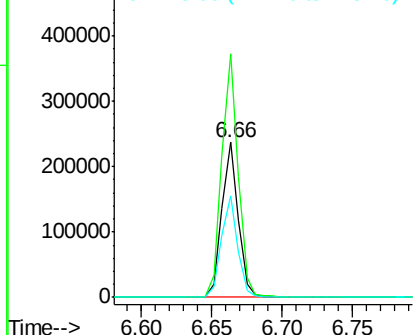
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098476.D
Acq: 13 Sep 2017 3:45

Instrument :
BNA_F
ClientSampleId :
RT-2342-2669-3025-3091-3873

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	65.8	52.2	78.2



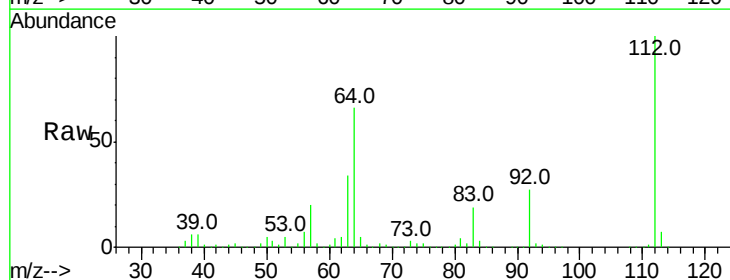
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



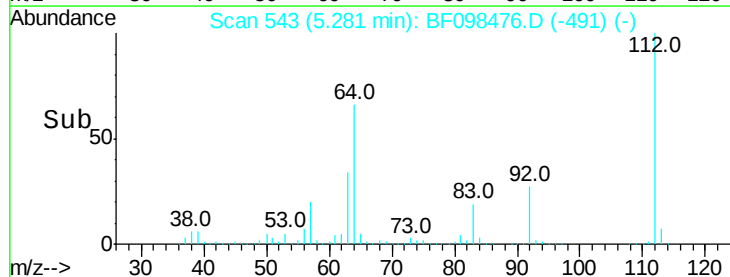
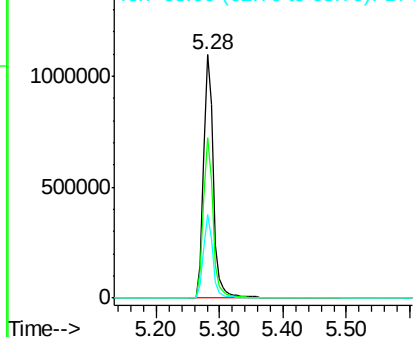
#5

2-Fluorophenol
Concen: 89.884 ng
RT: 5.28 min Scan# 543
Delta R.T. 0.01 min
Lab File: BF098476.D
Acq: 13 Sep 2017 3:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	34.2	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: 78.832 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

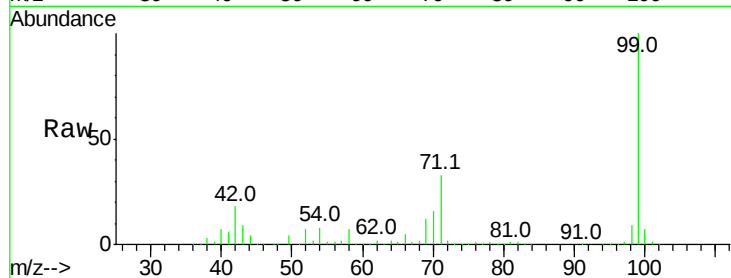
Tot Ion: 99 Resp: 1296528

Ion Ratio Lower Upper

99 100

42 18.4 13.5 20.3

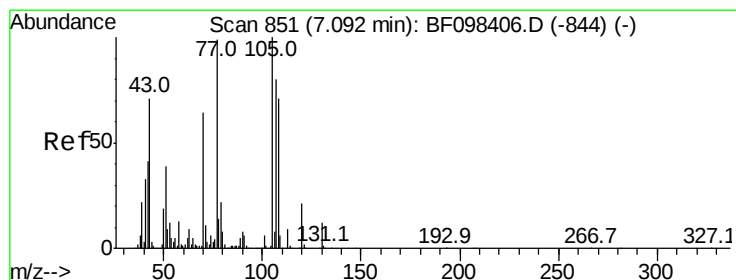
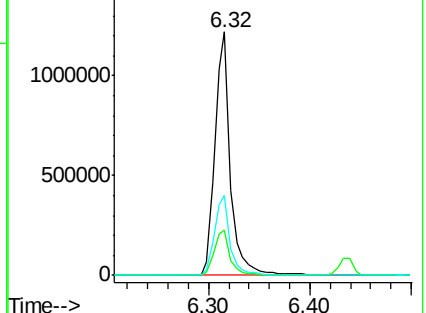
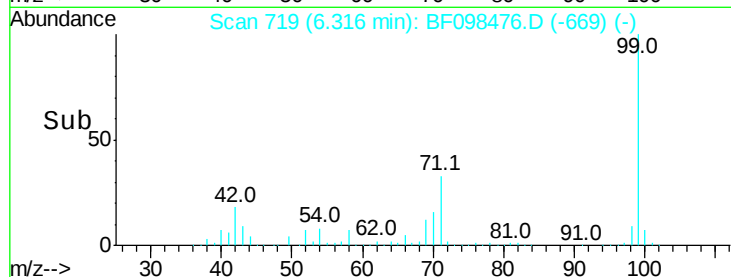
71 32.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.212 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

Tgt Ion: 70 Resp: 115990

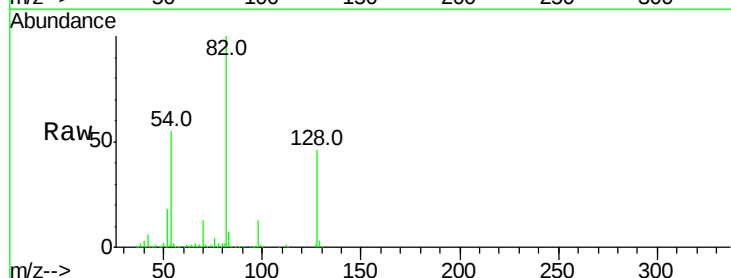
Ion Ratio Lower Upper

70 100

42 50.0 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

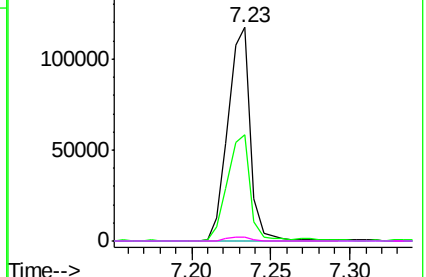
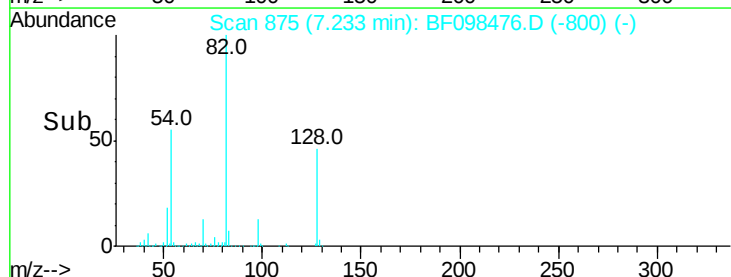


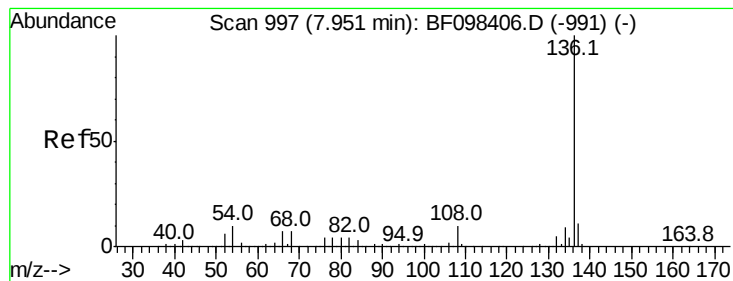
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

Tot Ion:136 Resp: 751333

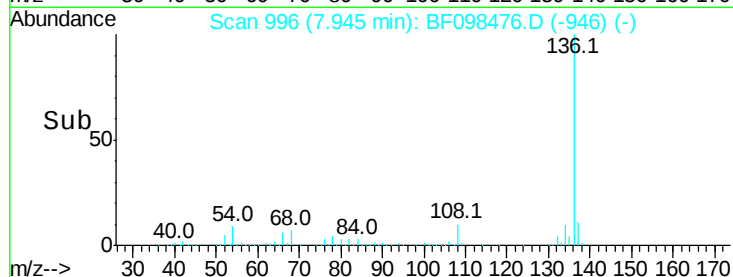
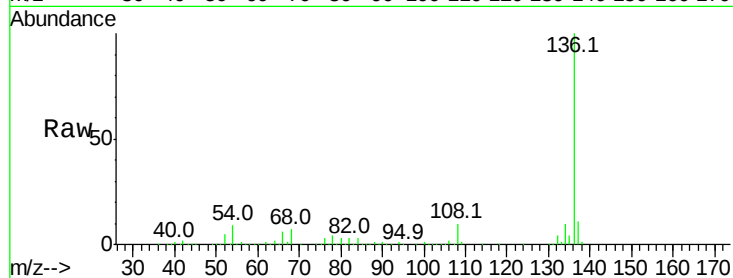
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.3 4.9 7.3#

68 6.8 4.1 6.1#

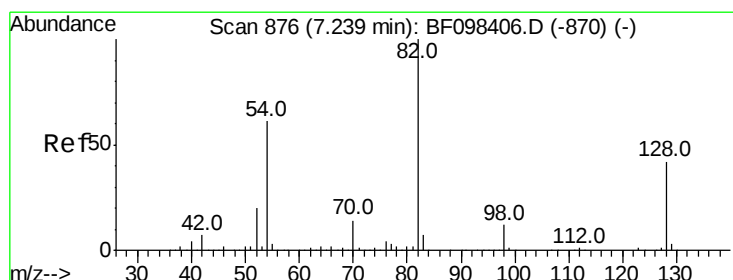
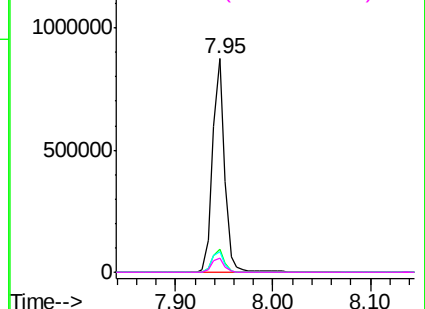


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.534 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

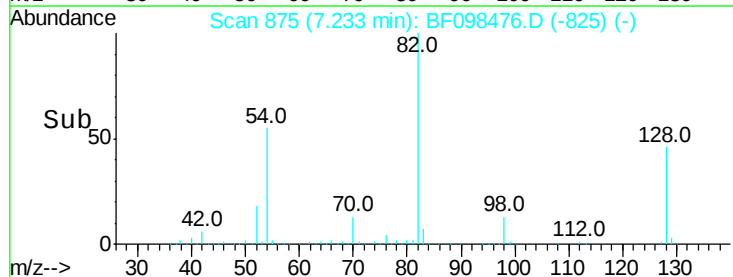
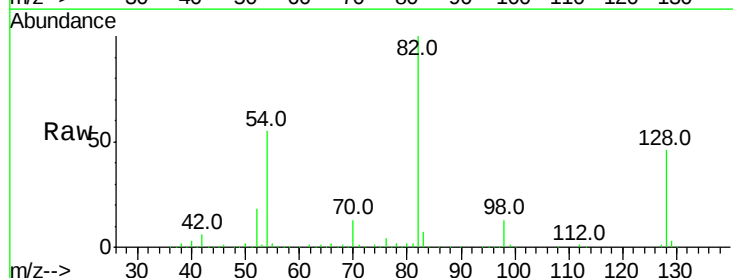
Tgt Ion: 82 Resp: 883190

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

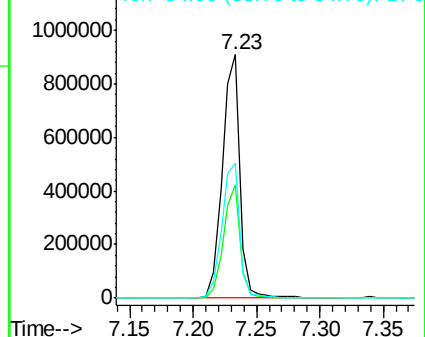
54 55.4 42.2 63.2

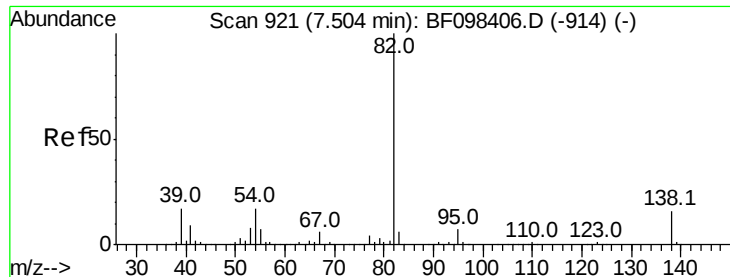


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.928 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.27 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

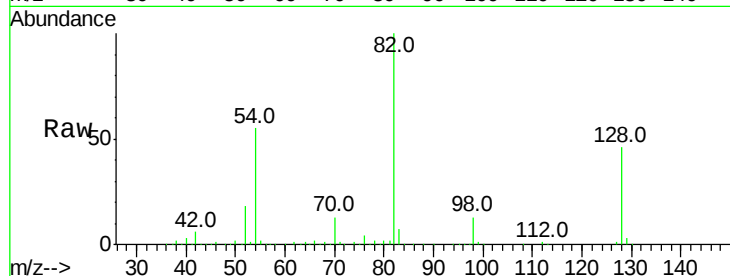
Tot Ion: 82 Resp: 870581

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

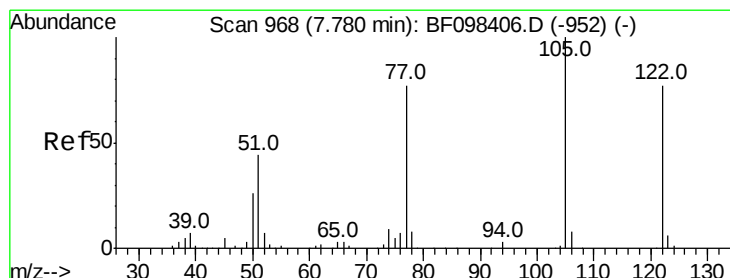
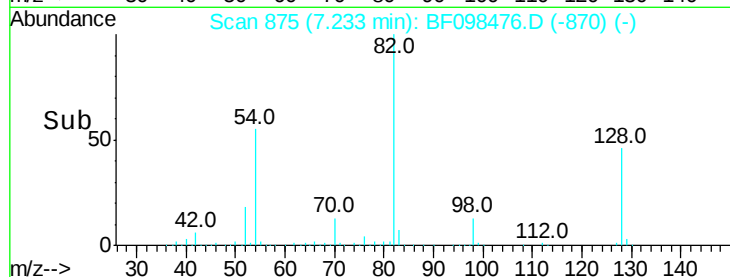
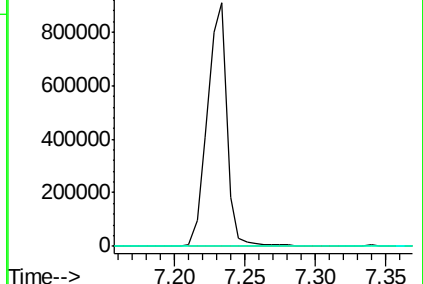
138 0.0 13.1 19.7#



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: 7.995 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.02 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

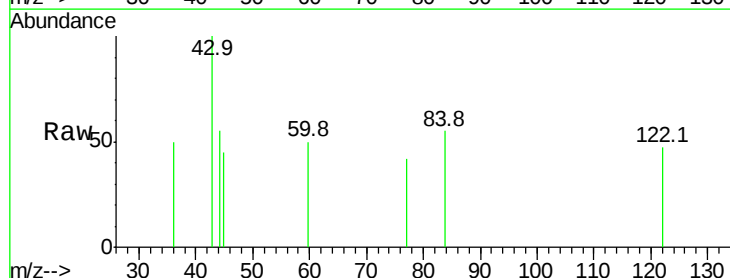
Tgt Ion: 122 Resp: 240

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

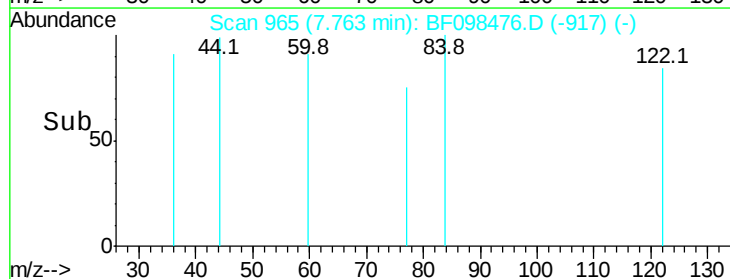
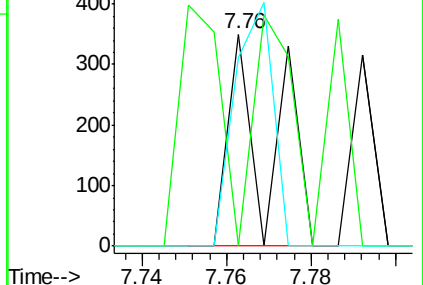
77 89.1 73.7 113.7

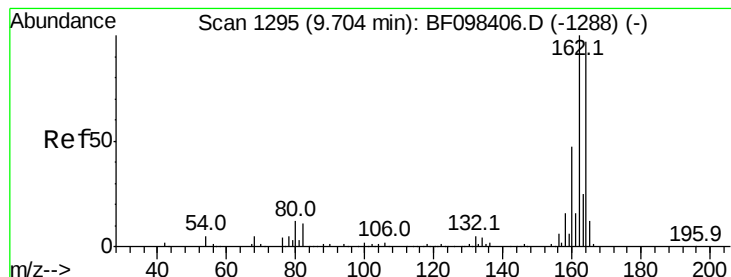


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

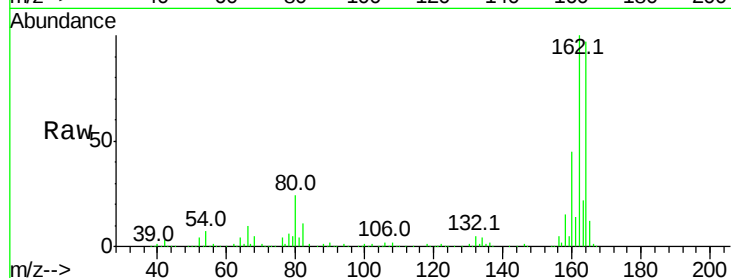
Tot Ion:164 Resp: 292229

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

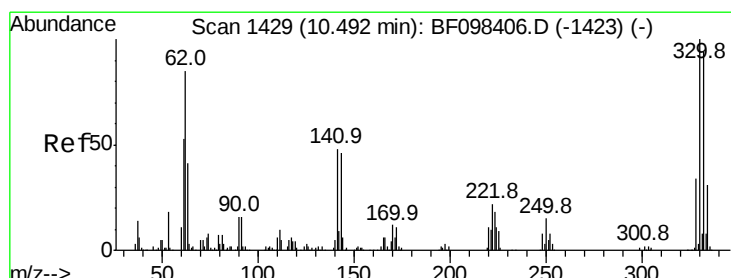
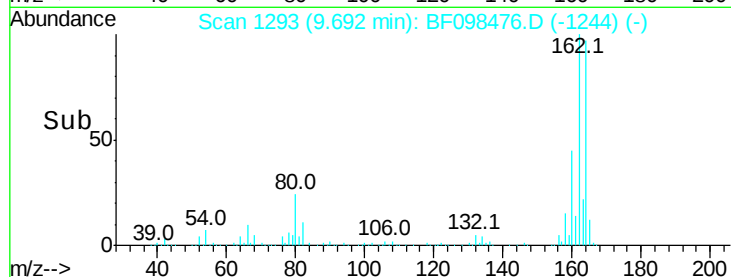
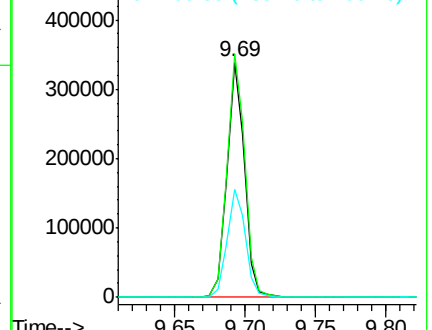
160 46.1 36.2 54.2



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: 106.386 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

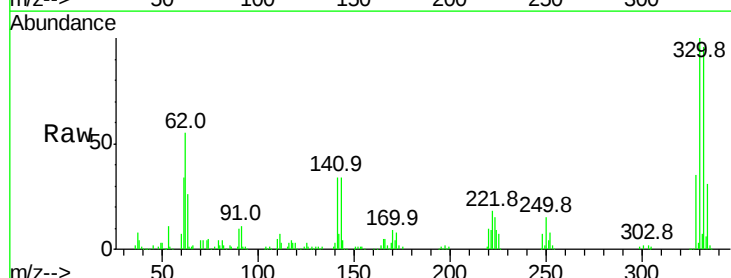
Tgt Ion:330 Resp: 207495

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

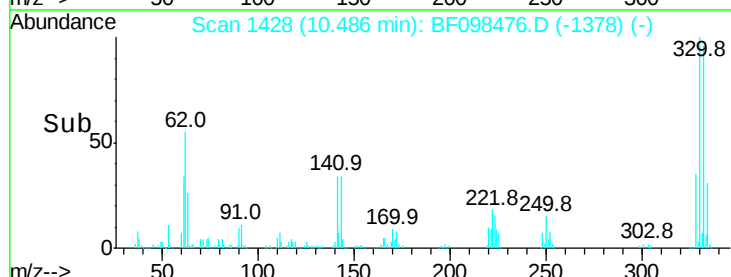
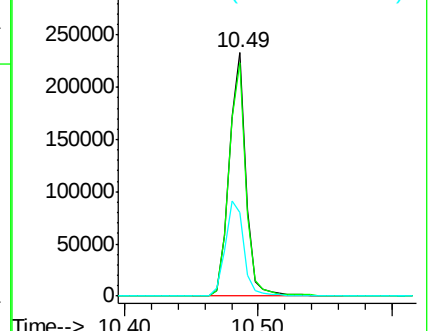
141 43.7 31.4 47.2

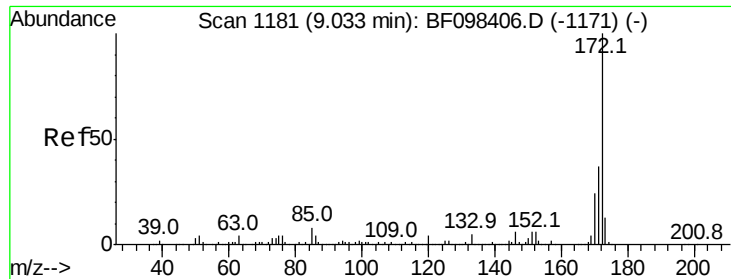


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

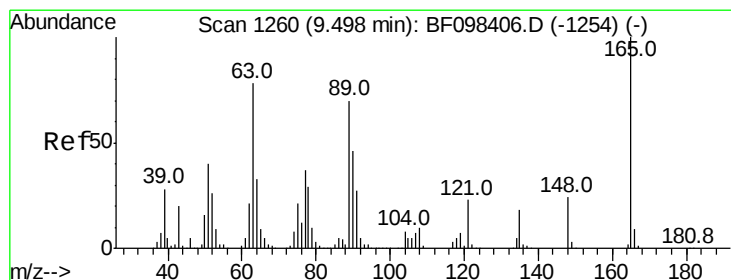
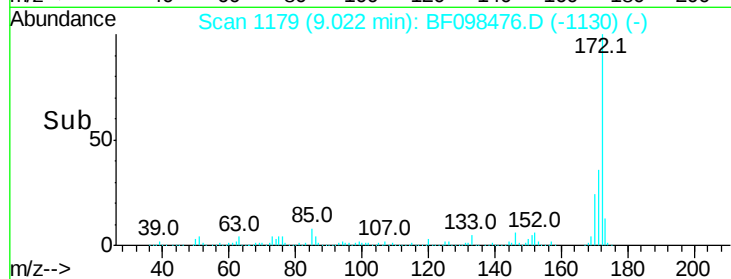
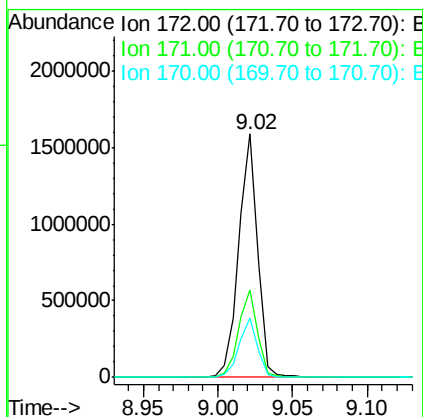
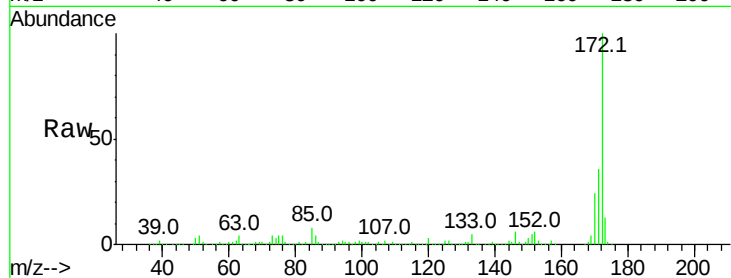




#44
 2-Fluorobiphenyl
 Concen: 81.744 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098476.D
 Acq: 13 Sep 2017 3:45

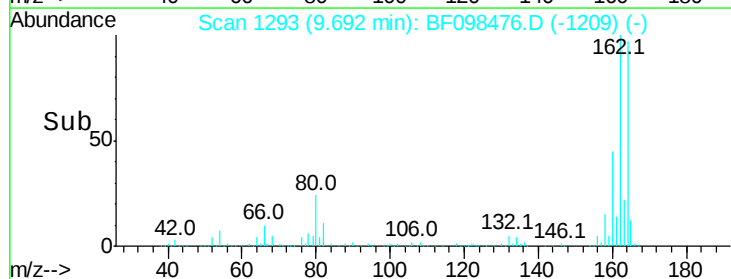
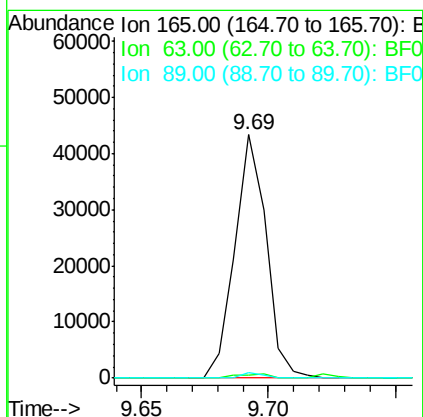
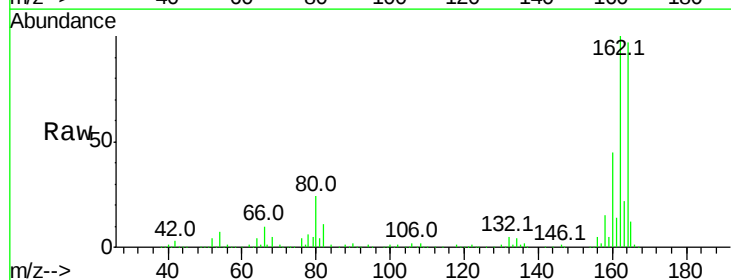
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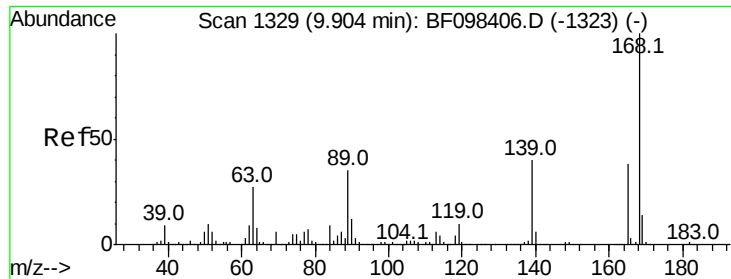
Tot Ion:172 Resp: 1409380
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.1 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.030 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. 0.19 min
 Lab File: BF098476.D
 Acq: 13 Sep 2017 3:45

Tgt Ion:165 Resp: 37310
 Ion Ratio Lower Upper
 165 100
 63 1.3 34.3 51.5#
 89 2.1 37.1 55.7#

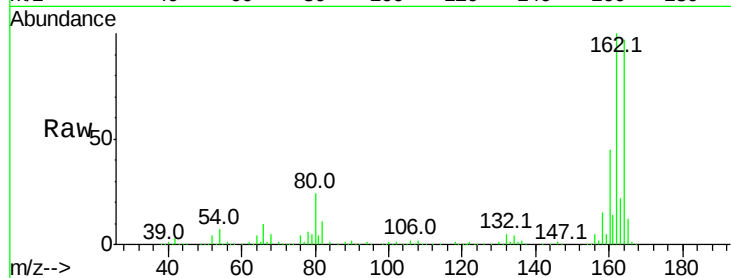




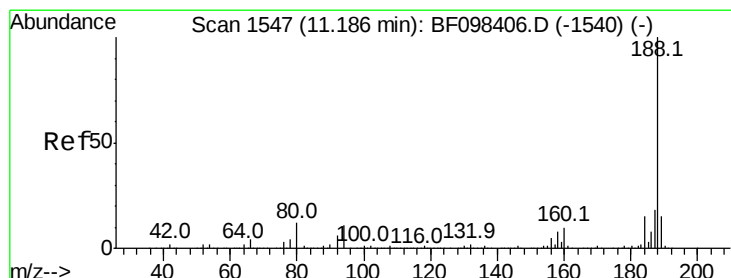
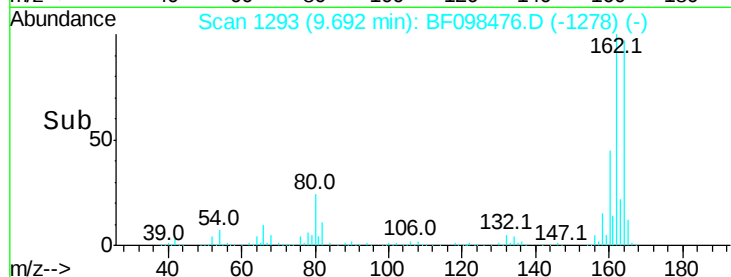
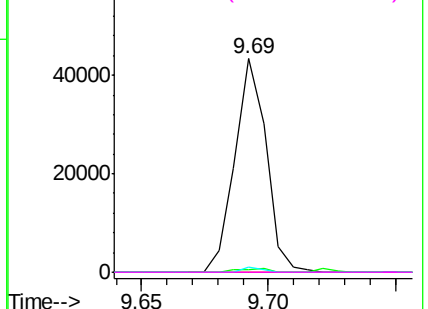
#56
 2,4-Dinitrotoluene
 Concen: 6.605 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.21 min
 Lab File: BF098476.D
 Acq: 13 Sep 2017 3:45

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Tot Ion:165 Resp: 37310
 Ion Ratio Lower Upper
 165 100
 63 1.3 25.4 38.0#
 89 2.1 46.4 69.6#
 182 0.0 1.8 2.6#

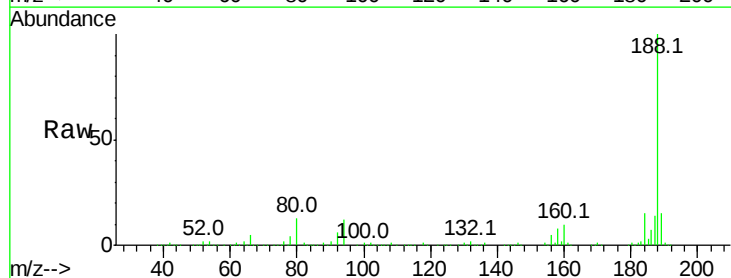


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

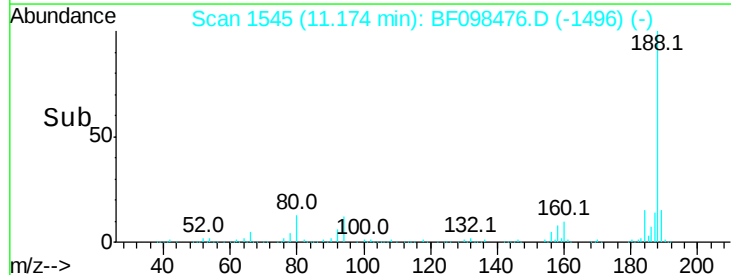
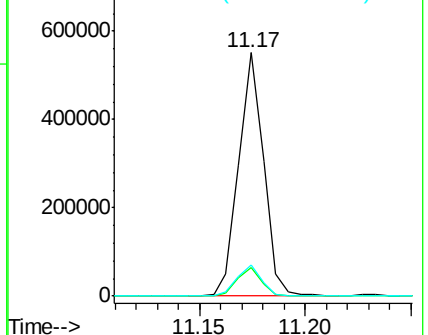


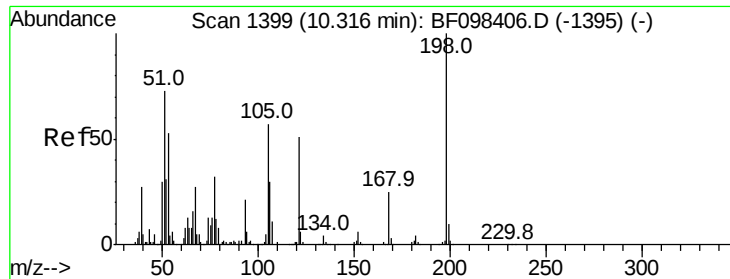
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF098476.D
 Acq: 13 Sep 2017 3:45

Tgt Ion:188 Resp: 451044
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 12.8 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

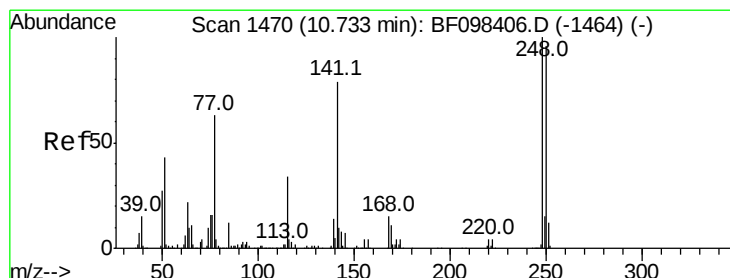
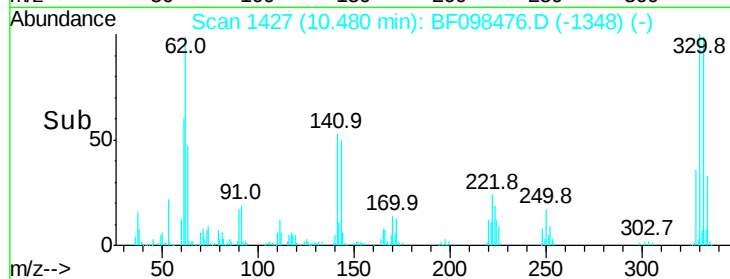
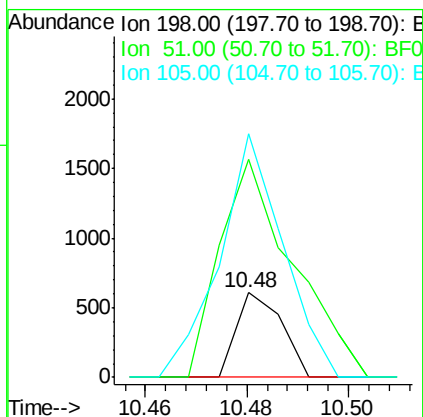
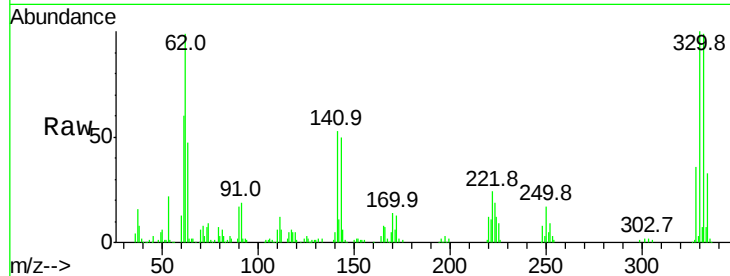




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.086 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.17 min
 Lab File: BF098476.D
 Acq: 13 Sep 2017 3:45

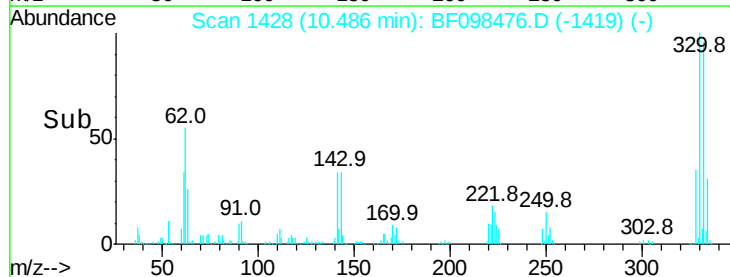
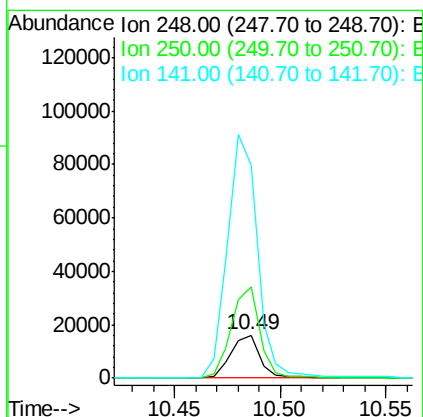
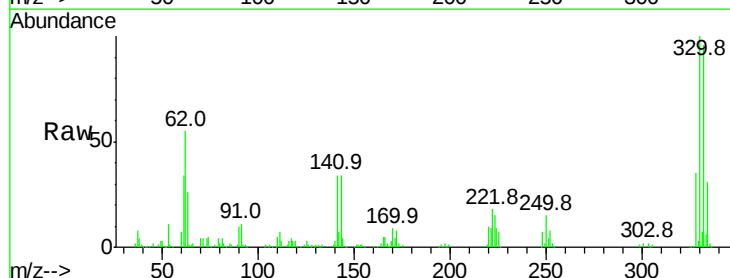
Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

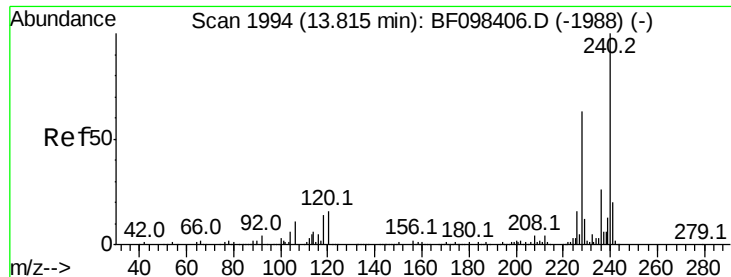
Tot Ion:198 Resp: 375
 Ion Ratio Lower Upper
 198 100
 51 257.3 53.2 93.2#
 105 288.1 45.8 85.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.567 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.25 min
 Lab File: BF098476.D
 Acq: 13 Sep 2017 3:45

Tgt Ion:248 Resp: 15268
 Ion Ratio Lower Upper
 248 100
 250 214.5 76.8 115.2#
 141 499.0 68.6 103.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

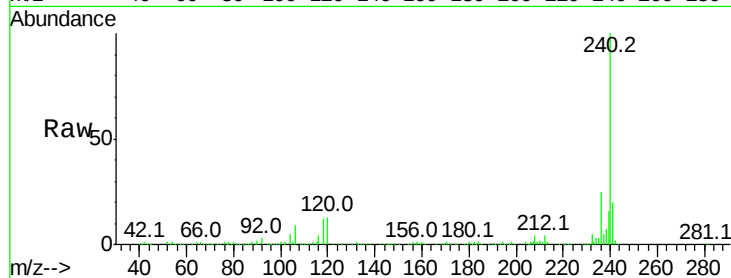
Tot Ion:240 Resp: 369038

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

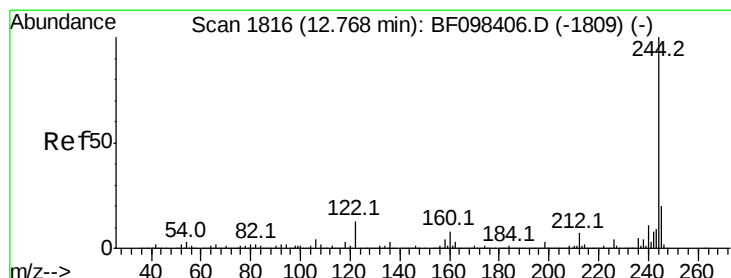
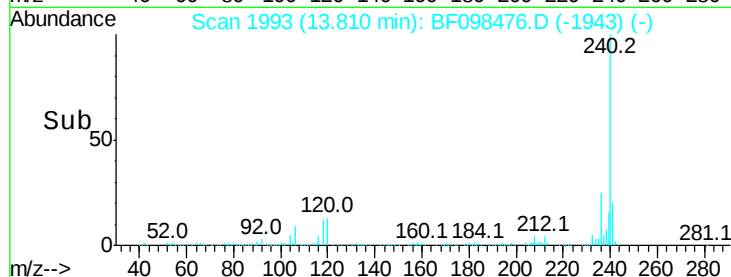
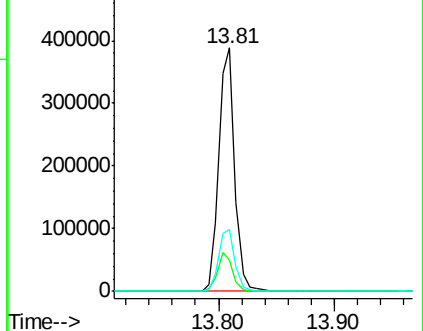
236 25.5 20.5 30.7



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: 59.561 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098476.D

Acq: 13 Sep 2017 3:45

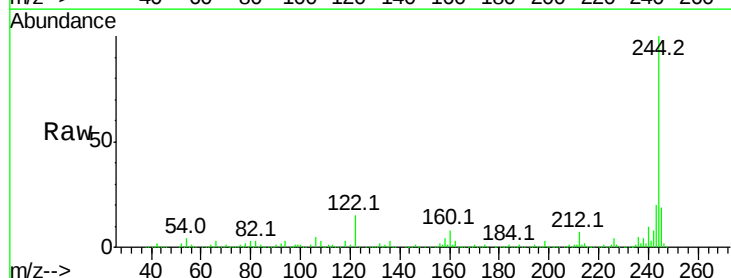
Tgt Ion:244 Resp: 1018323

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

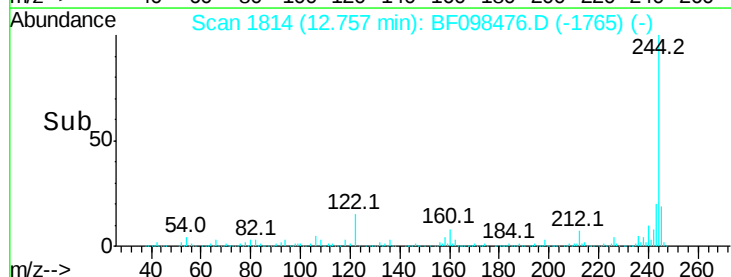
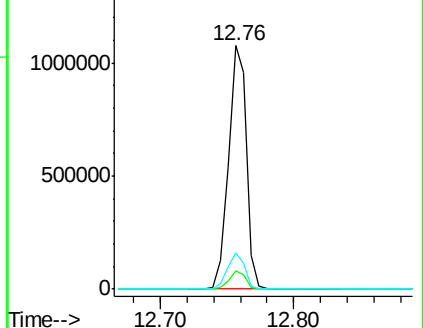
122 14.8 10.3 15.5

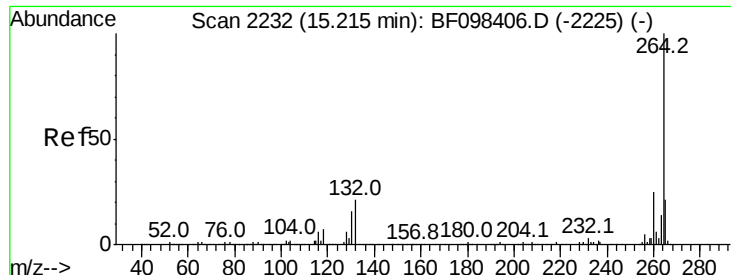


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

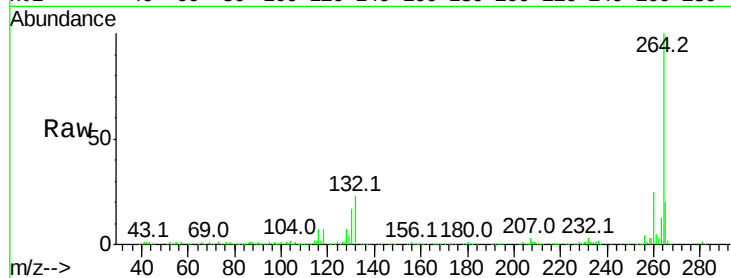




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.21 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF098476.D
 Acq: 13 Sep 2017 3:45

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	20.2	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

