

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099674.D
 Acq On : 19 Oct 2017 23:15
 Operator : SJ/JU
 Sample : I5884-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 12:52:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 19 19:55:56 2017
 Response via : Initial Calibration

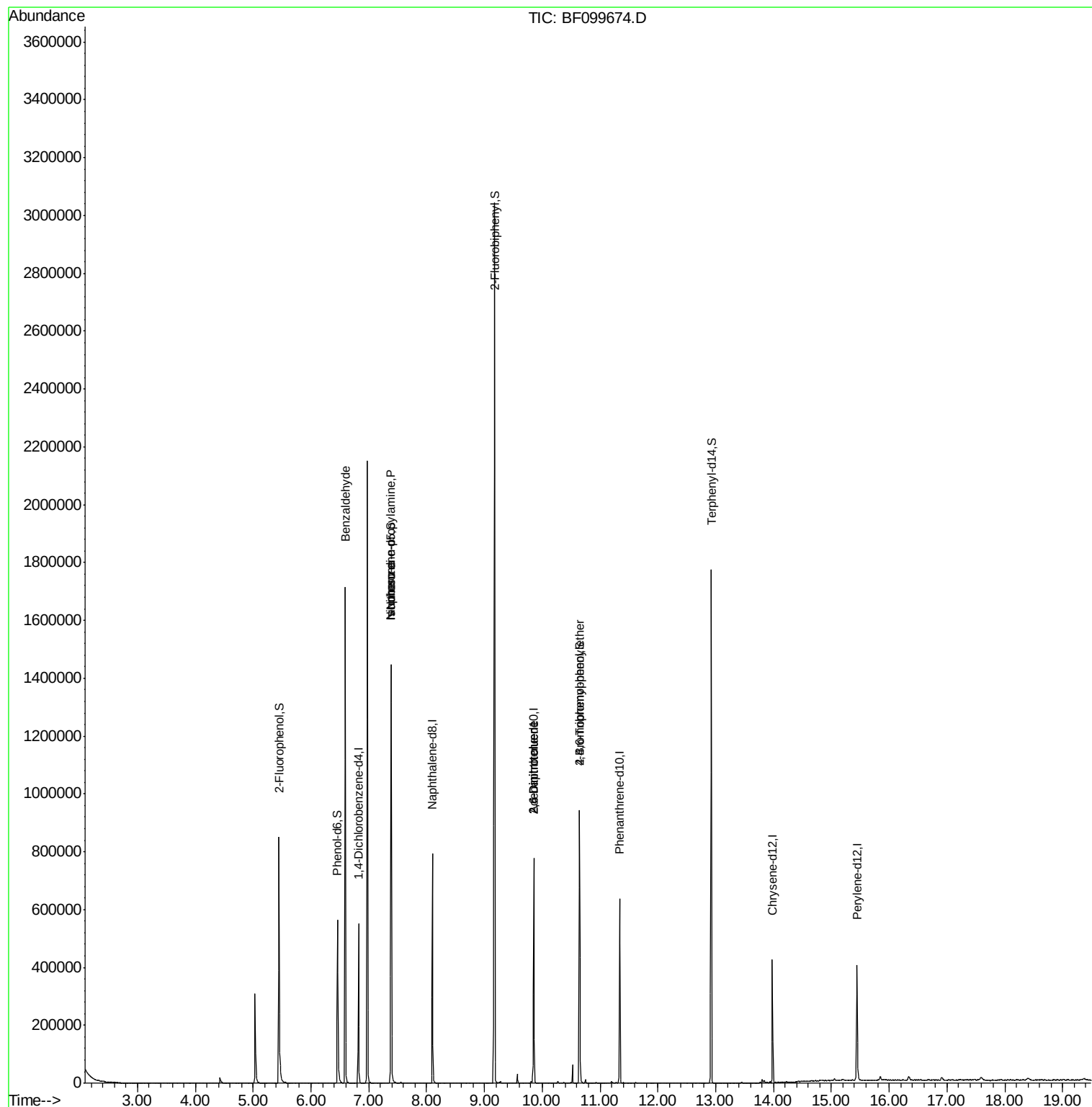
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	88907	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	354973	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	150338	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	217080	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	149326	20.00	ng	-0.01
86) Perylene-d12	15.44	264	170739	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	278995	49.95	ng	0.00
7) Phenol-d6	6.46	99	212665	30.87	ng	-0.02
23) Nitrobenzene-d5	7.39	82	551375	99.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	105901	86.09	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	997637	110.78	ng	-0.01
78) Terphenyl-d14	12.92	244	603821	91.96	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.59	77	8614	2.155	ng	87
19) n-Nitroso-di-n-propylamine	7.39	70	68484	15.569	ng	# 73
25) Isophorone	7.39	82	551371	48.180	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	19182	7.765	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	19182	5.983	ng	# 22
66) 4-Bromophenyl-phenylether	10.65	248	7161	3.370	ng	# 1

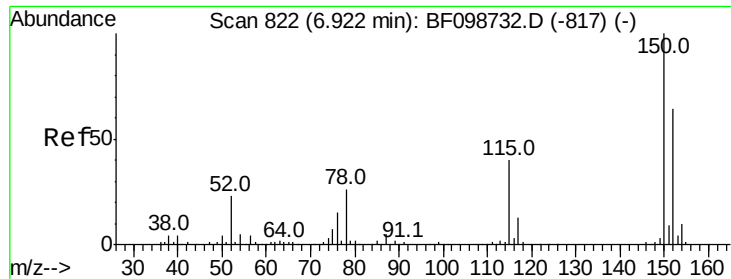
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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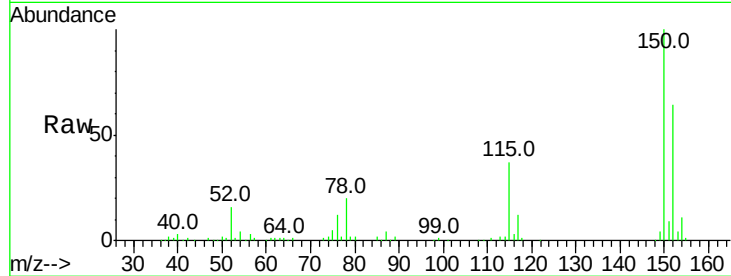


#1

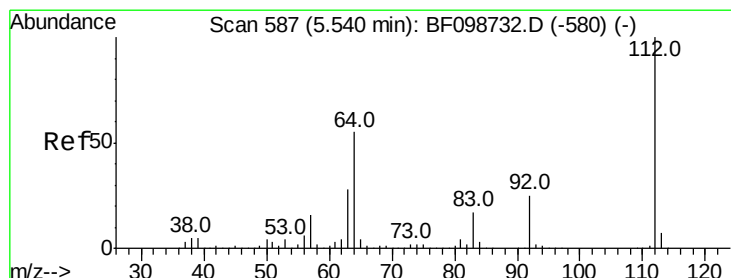
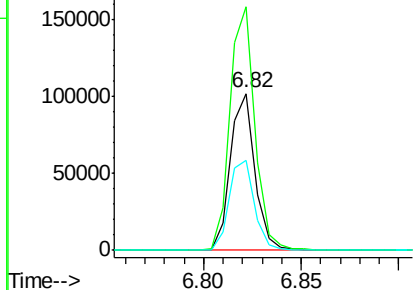
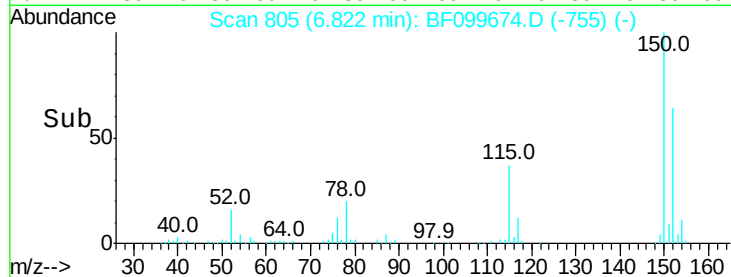
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF099674.D
 Acq: 19 Oct 2017 23:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 88907
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.6 186.8
 115 57.5 50.1 75.1



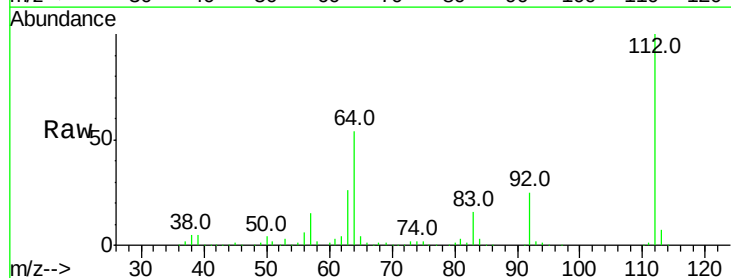
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



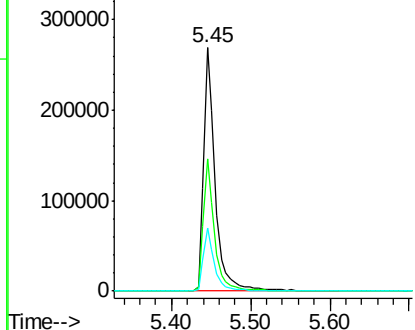
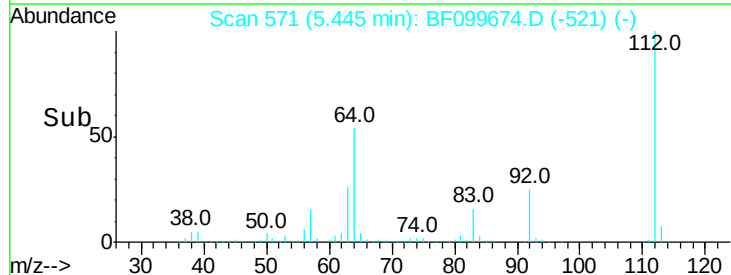
#5

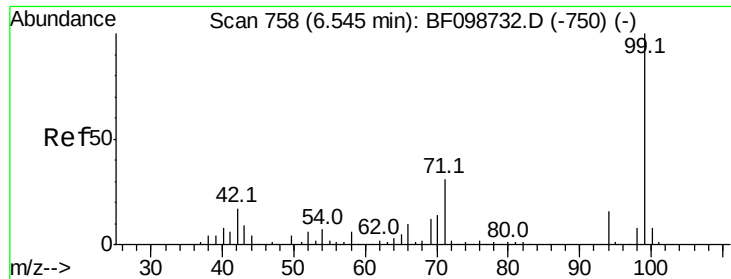
2-Fluorophenol
 Concen: 49.955 ng
 RT: 5.45 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: BF099674.D
 Acq: 19 Oct 2017 23:15

Tgt Ion:112 Resp: 278995
 Ion Ratio Lower Upper
 112 100
 64 54.4 47.9 71.9
 63 26.1 23.7 35.5



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: 30.867 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF099674.D

Acq: 19 Oct 2017 23:15

Instrument :

BNA_F

ClientSampled :

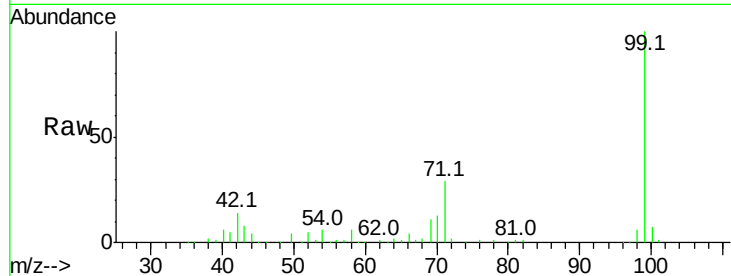
Tot Ion: 99 Resp: 212665

Ion Ratio Lower Upper

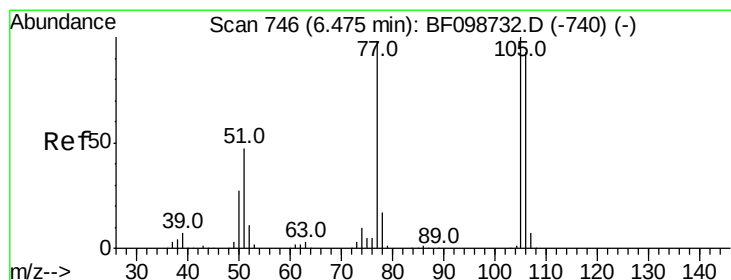
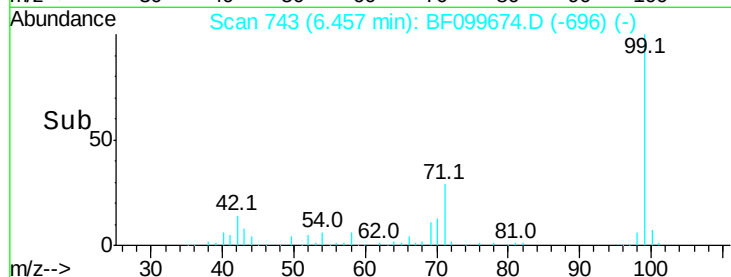
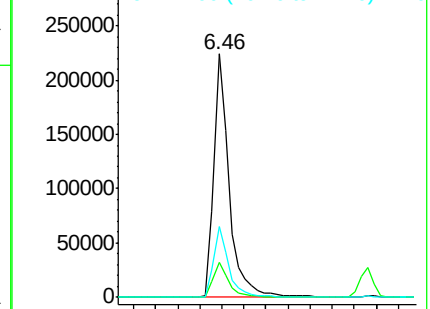
99 100

42 14.5 14.5 21.7

71 29.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.155 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF099674.D

Acq: 19 Oct 2017 23:15

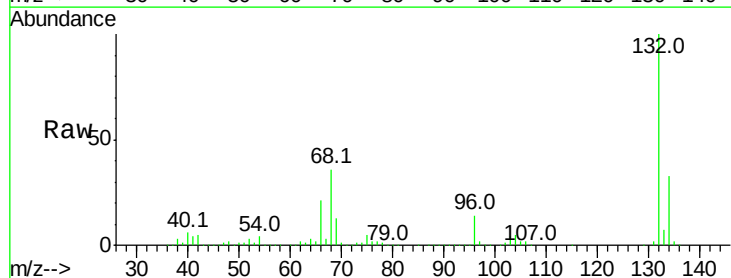
Tgt Ion: 77 Resp: 8614

Ion Ratio Lower Upper

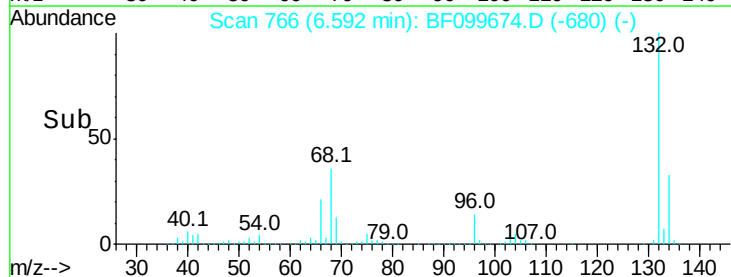
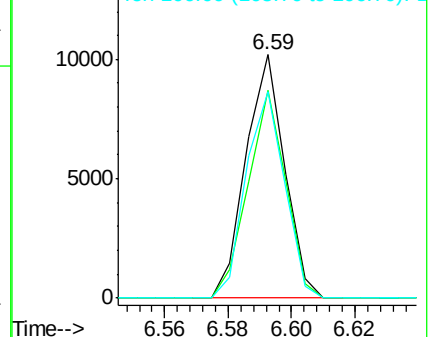
77 100

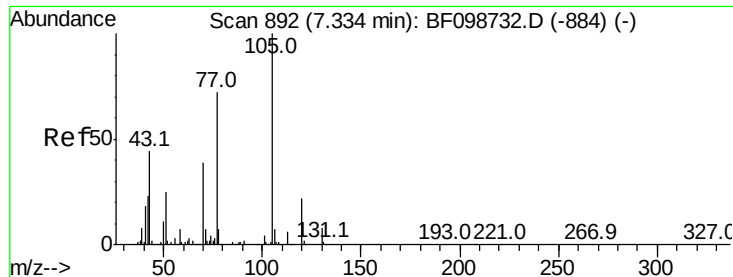
105 85.1 81.1 121.1

106 84.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

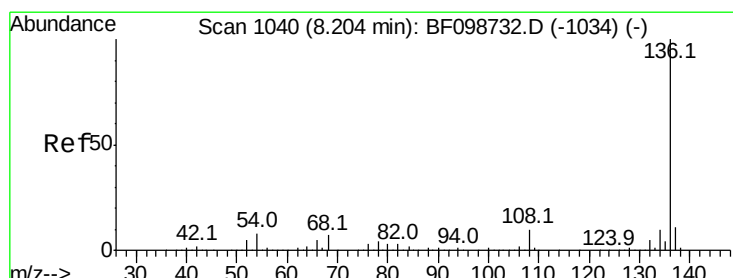
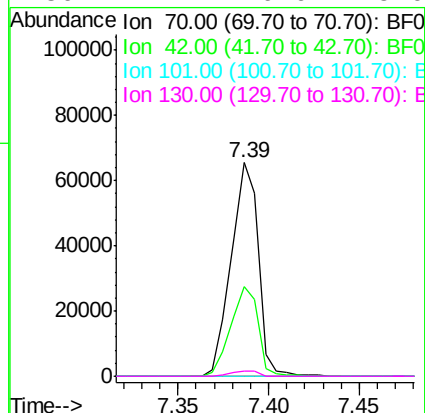
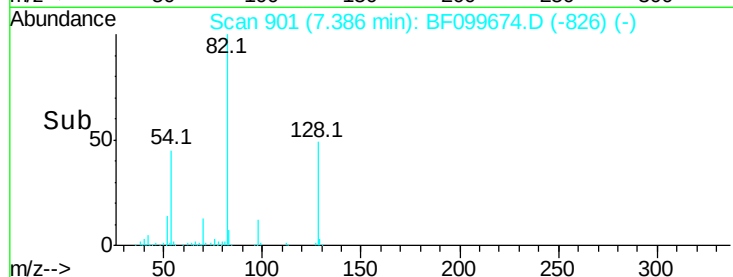
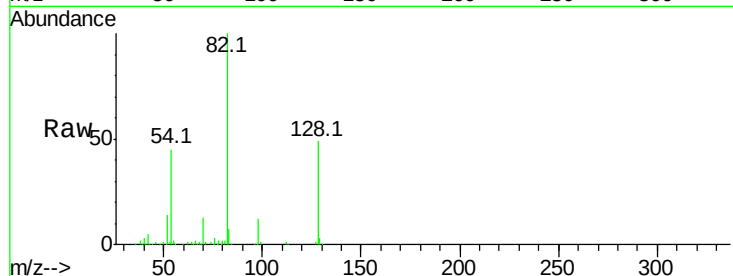




#19
n-Nitroso-di-n-propylamine
Concen: 15.569 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.14 min
Lab File: BF099674.D
Acq: 19 Oct 2017 23:15

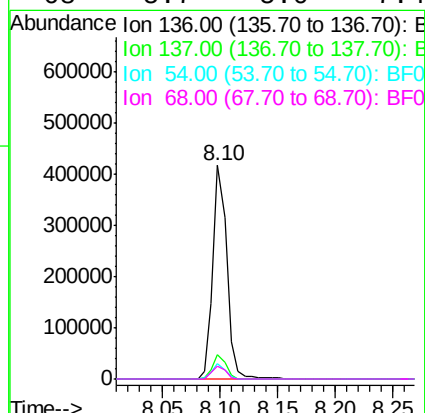
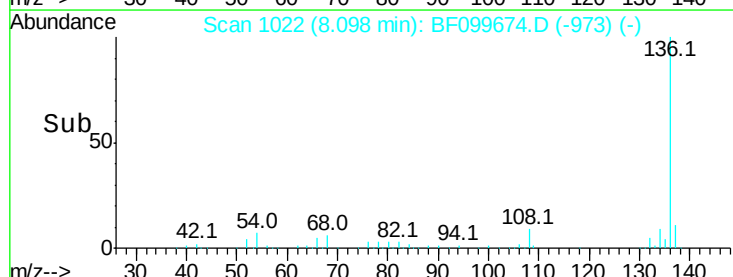
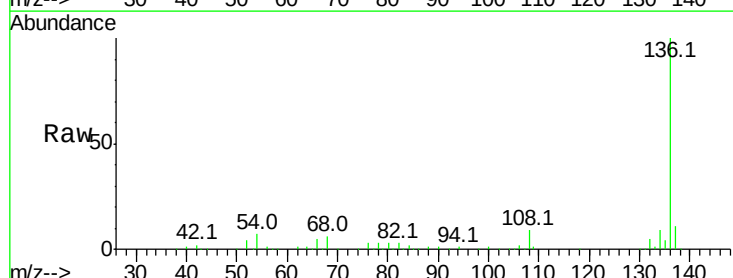
Instrument :
BNA_F
ClientSampled :

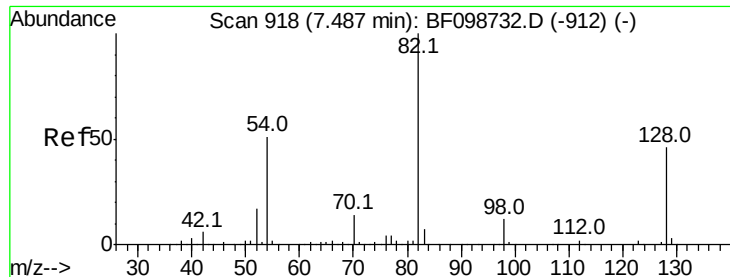
Tot Ion: 70 Resp: 68484
Ion Ratio Lower Upper
70 100
42 41.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099674.D
Acq: 19 Oct 2017 23:15

Tgt Ion: 136 Resp: 354973
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 6.6 9.8
68 5.7 5.0 7.4

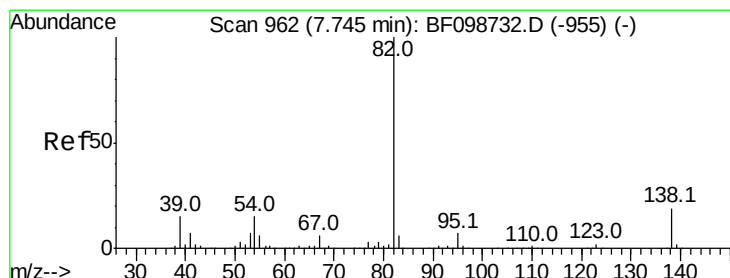
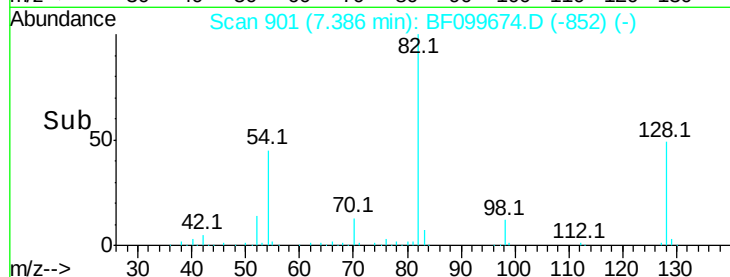
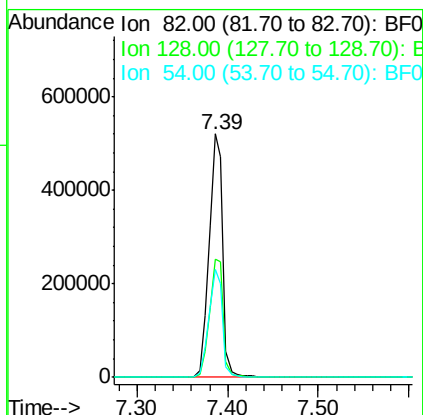
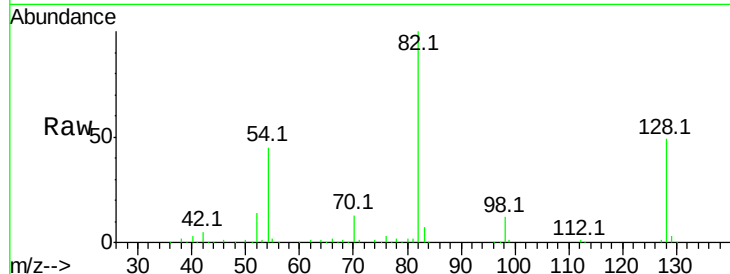




#23
Nitrobenzene-d5
Concen: 99.613 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF099674.D
Acq: 19 Oct 2017 23:15

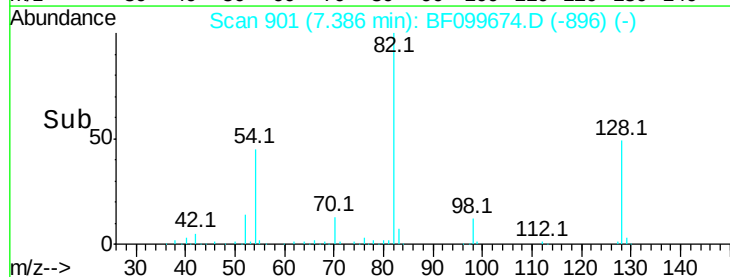
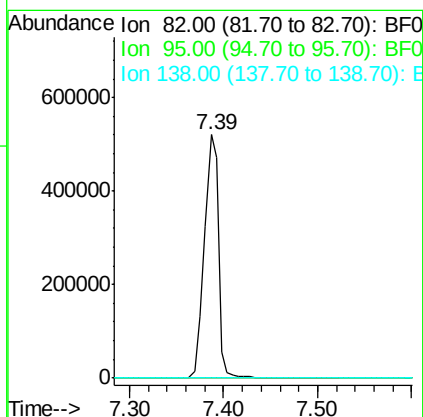
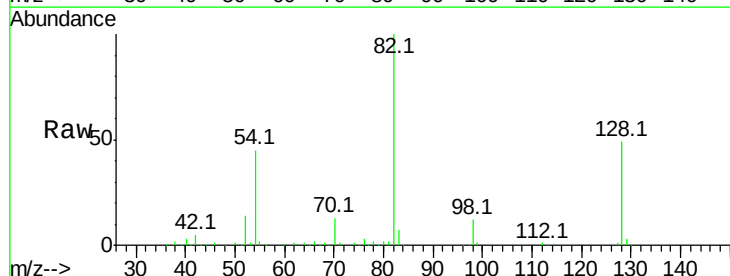
Instrument :
BNA_F
ClientSampleId :

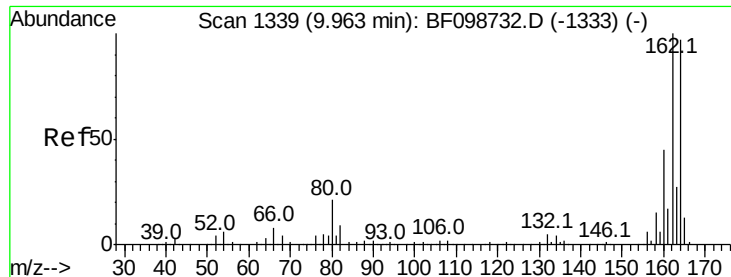
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.1	54.1
54	44.6	41.4	62.2



#25
Isophorone
Concen: 48.180 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.27 min
Lab File: BF099674.D
Acq: 19 Oct 2017 23:15

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

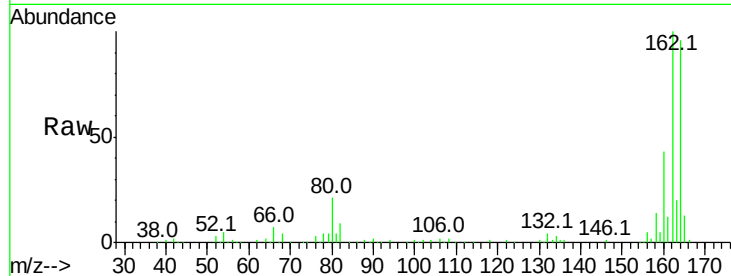




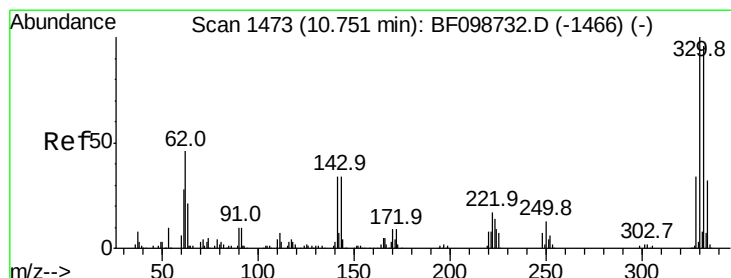
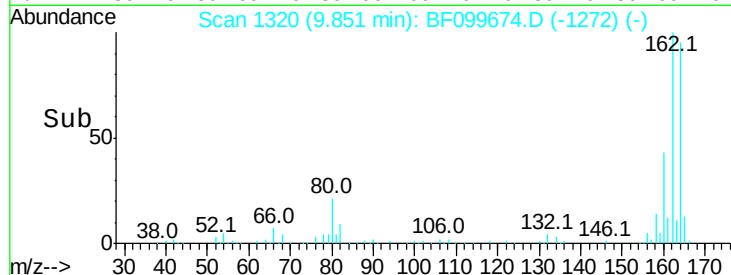
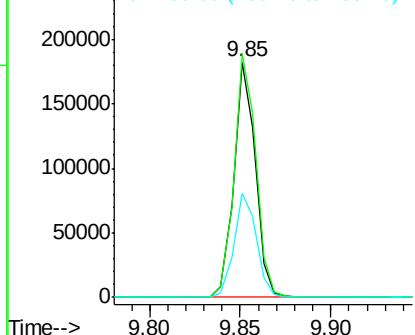
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF099674.D
Acq: 19 Oct 2017 23:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 150338
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 44.3 38.3 57.5

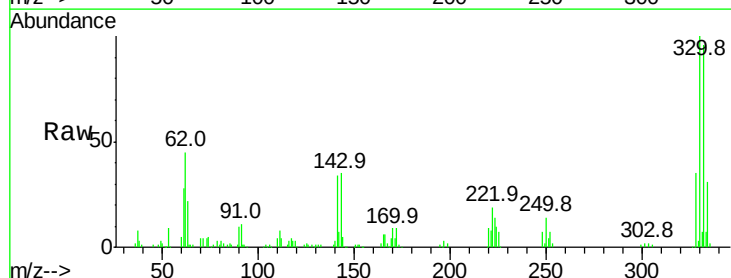


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

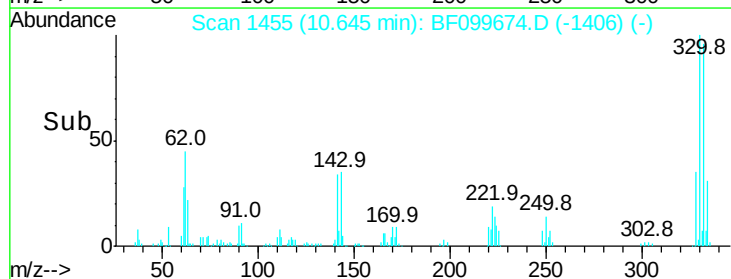
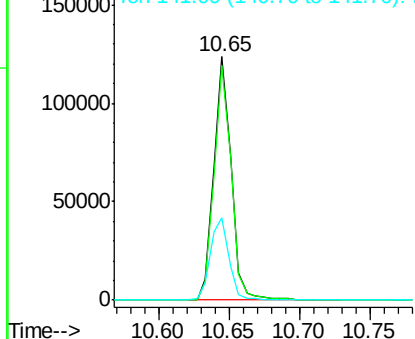


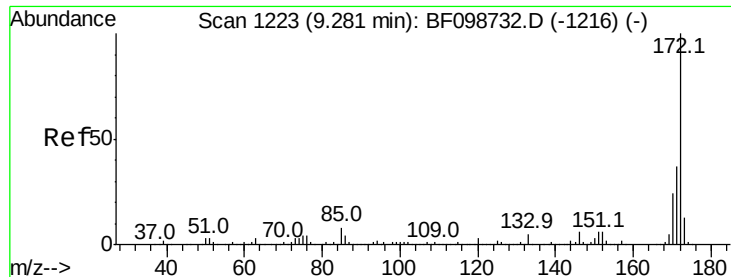
#41
2,4,6-Tribromophenol
Concen: 86.086 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF099674.D
Acq: 19 Oct 2017 23:15

Tgt Ion:330 Resp: 105901
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 36.2 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

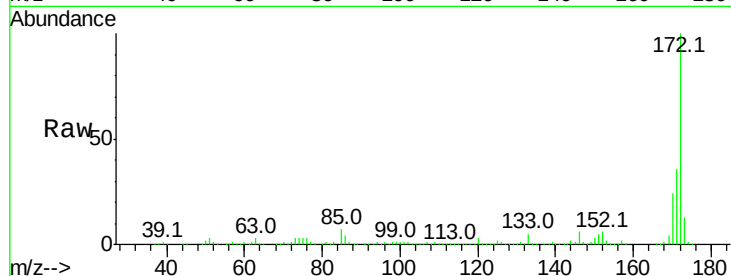




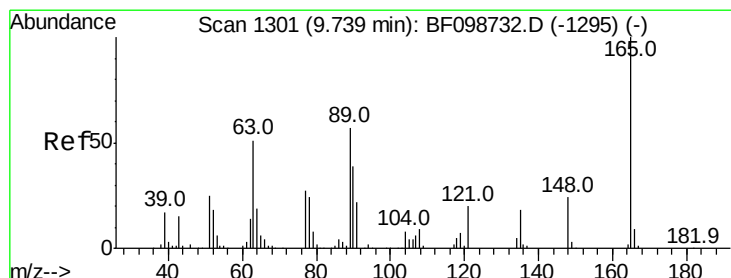
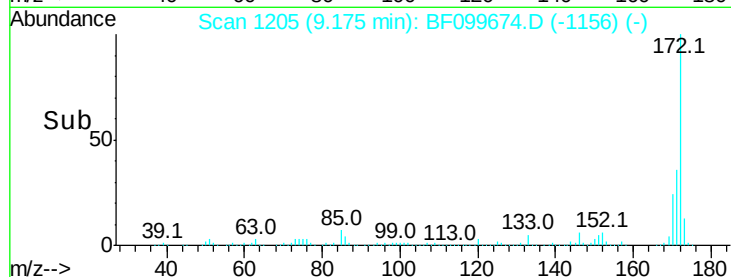
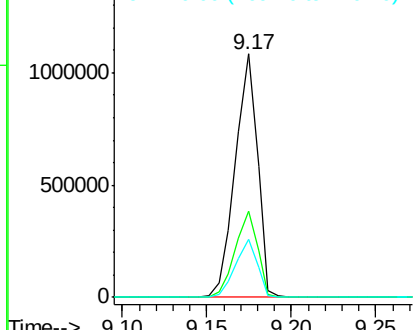
#44
 2-Fluorobiphenyl
 Concen: 110.782 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF099674.D
 Acq: 19 Oct 2017 23:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.9	19.6	29.4

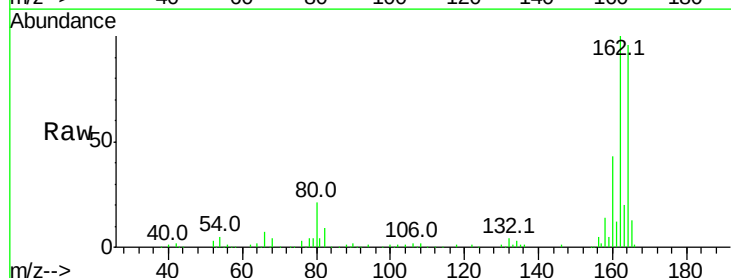


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

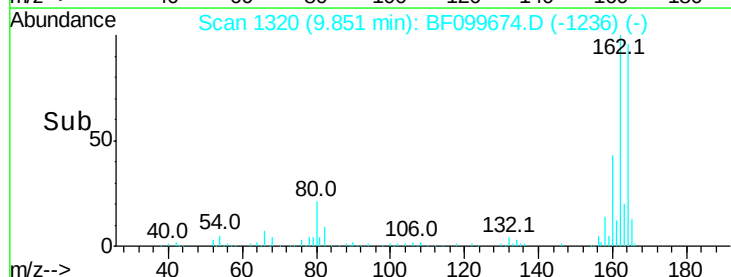
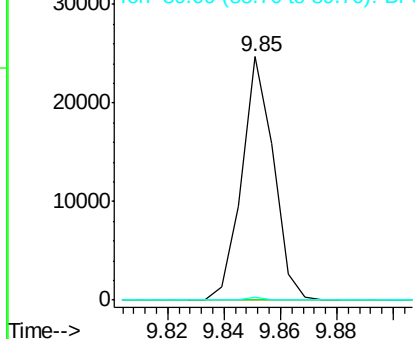


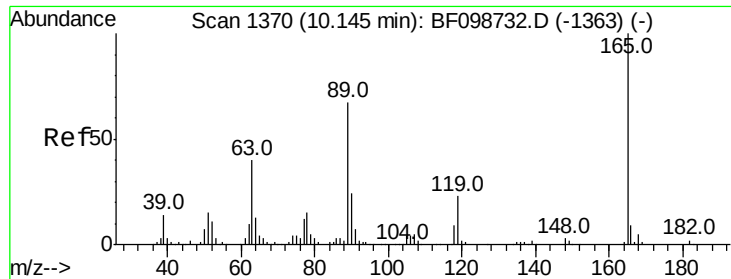
#50
 2,6-Dinitrotoluene
 Concen: 7.765 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.19 min
 Lab File: BF099674.D
 Acq: 19 Oct 2017 23:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.3	44.0	66.0#



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





#56

2,4-Dinitrotoluene

Concen: 5.983 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.22 min

Lab File: BF099674.D

Acq: 19 Oct 2017 23:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 19182

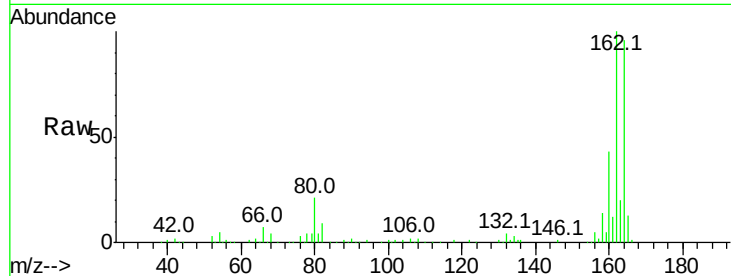
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

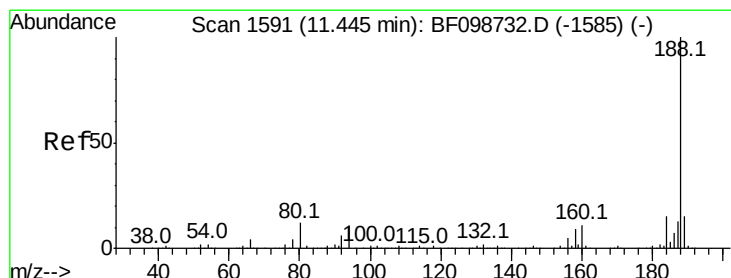
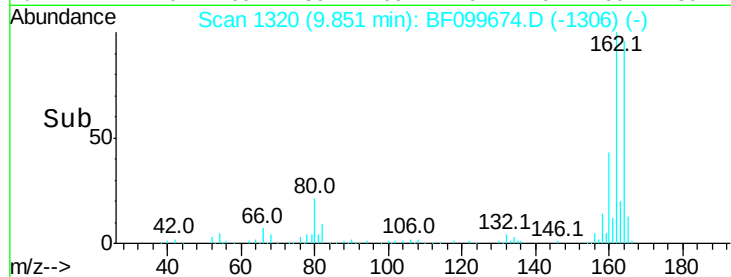
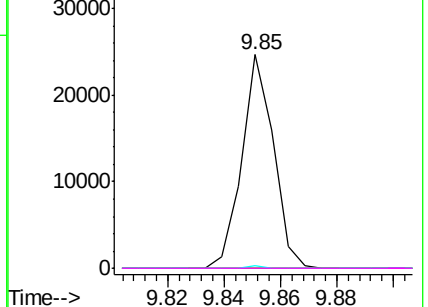


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099674.D

Acq: 19 Oct 2017 23:15

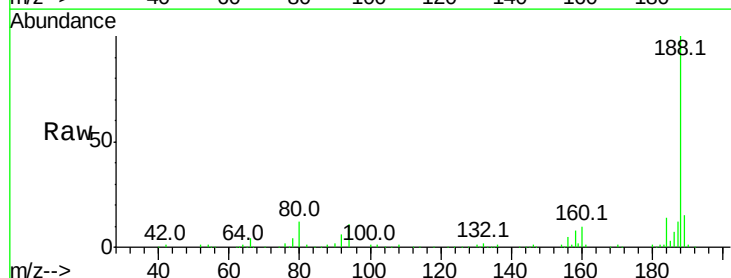
Tgt Ion:188 Resp: 217080

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

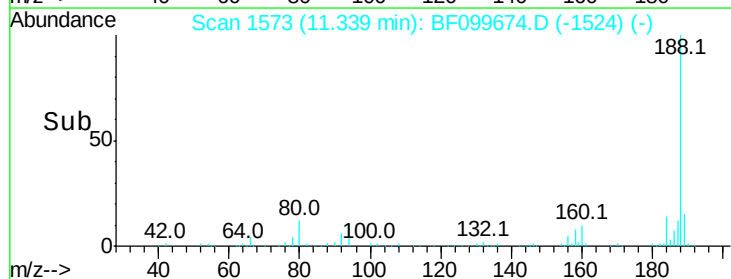
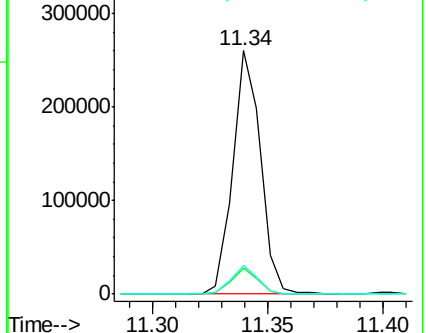
80 12.0 9.2 13.8

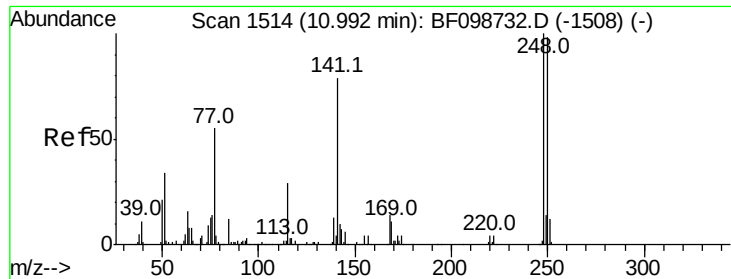


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

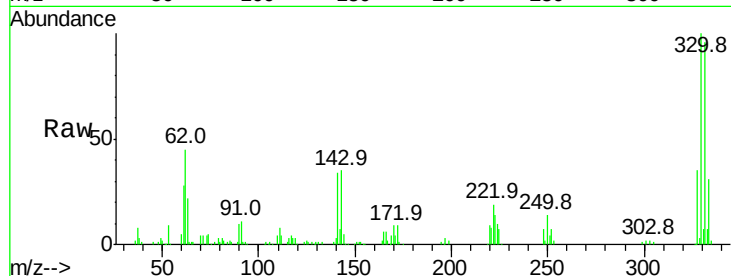




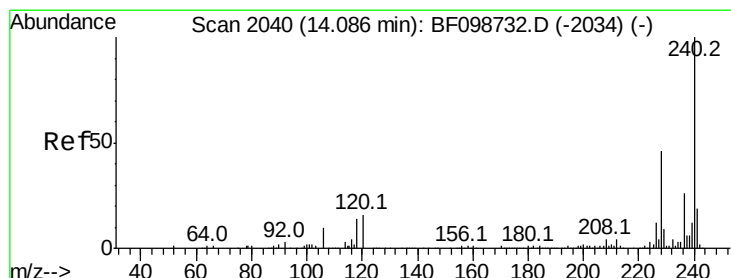
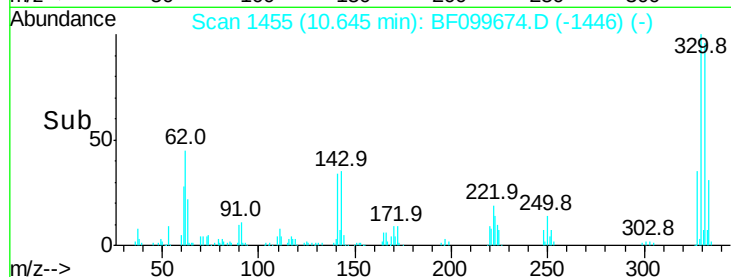
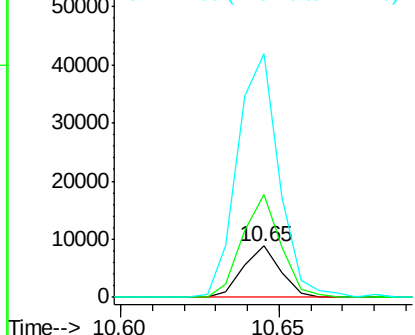
#66
 4-Bromophenyl-phenylether
 Concen: 3.370 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.25 min
 Lab File: BF099674.D
 Acq: 19 Oct 2017 23:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 7161
 Ion Ratio Lower Upper
 248 100
 250 200.7 76.9 115.3#
 141 474.1 74.4 111.6#

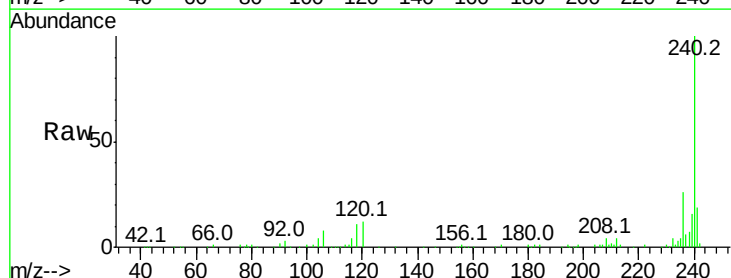


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

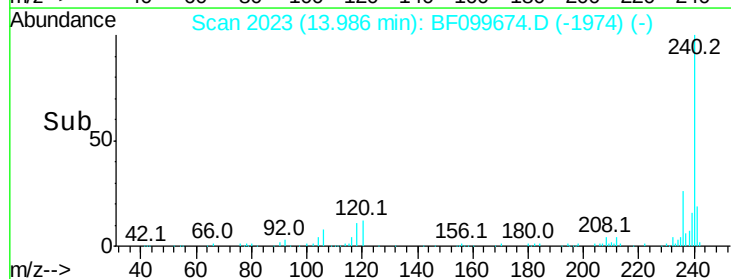
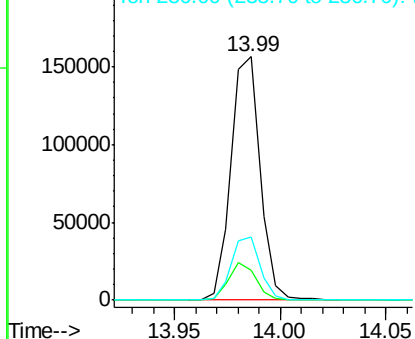


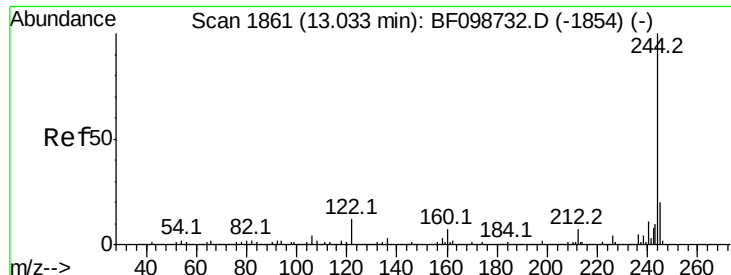
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF099674.D
 Acq: 19 Oct 2017 23:15

Tgt Ion:240 Resp: 149326
 Ion Ratio Lower Upper
 240 100
 120 12.1 9.5 14.3
 236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.961 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF099674.D

Acq: 19 Oct 2017 23:15

Instrument :

BNA_F

ClientSampleId :

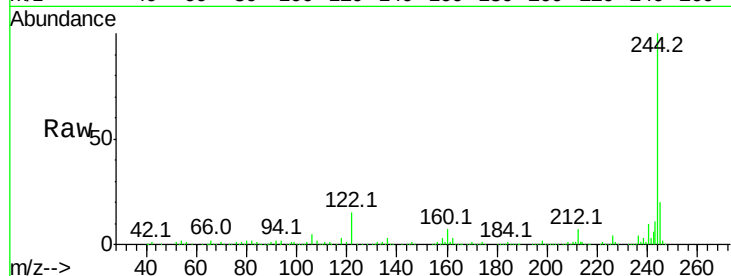
Tot Ion:244 Resp: 603821

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

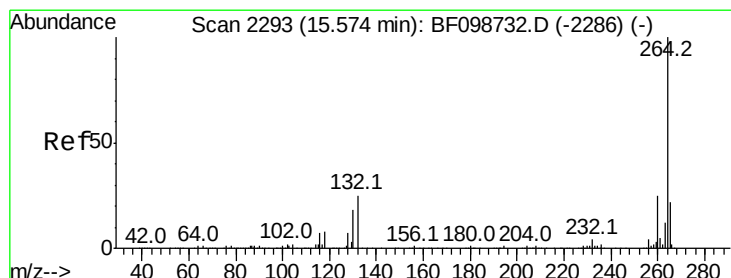
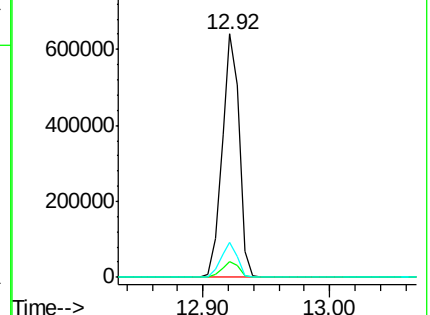
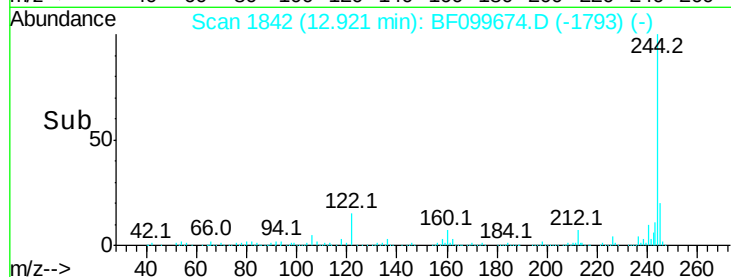
122 14.6 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF099674.D

Acq: 19 Oct 2017 23:15

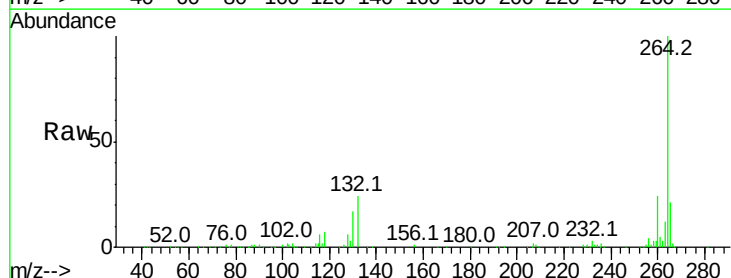
Tgt Ion:264 Resp: 170739

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.1 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

