

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099564.D
 Acq On : 17 Oct 2017 00:35
 Operator : SJ/JU
 Sample : I5752-02RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 02:32:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

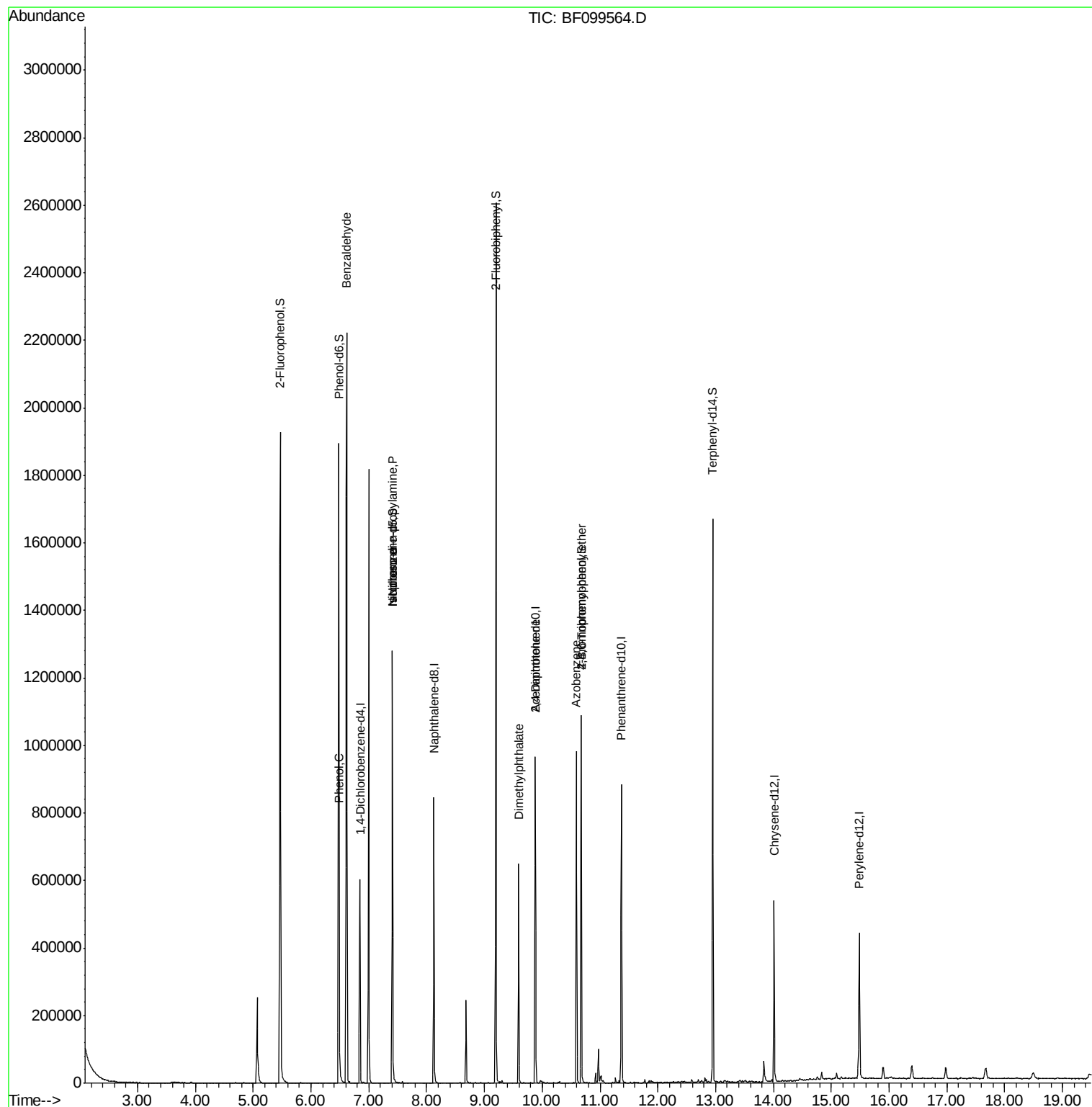
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	100451	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	407653	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	177506	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	280719	20.00	ng	0.00
75) Chrysene-d12	14.01	240	179342	20.00	ng	0.00
86) Perylene-d12	15.49	264	187884	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	605161	95.90	ng	0.00
7) Phenol-d6	6.48	99	717620	92.19	ng	0.00
23) Nitrobenzene-d5	7.41	82	428211	67.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	134809	92.81	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	791591	74.45	ng	-0.01
78) Terphenyl-d14	12.95	244	506800	64.27	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	11587	2.57	ng	91
10) Phenol	6.49	94	44570	5.12	ng	95
19) n-Nitroso-di-n-propylamine	7.41	70	52969	10.66	ng	# 75
25) Isophorone	7.41	82	428205	32.58	ng	# 64
49) Dimethylphthalate	9.59	163	248687	18.56	ng	99
56) 2,4-Dinitrotoluene	9.88	165	22440	5.93	ng	# 23
62) Azobenzene	10.59	77	159156	13.22	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	8843	3.22	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

Instrument :

BNA_F

ClientSampleId :

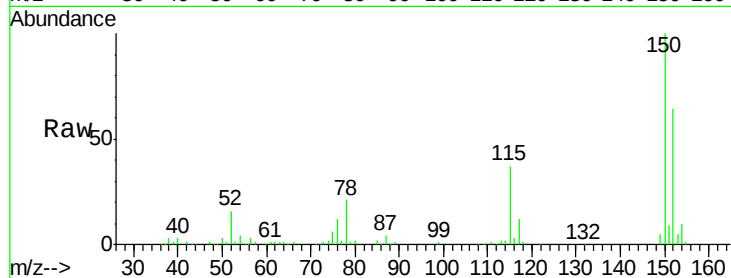
Tot Ion:152 Resp: 100451

Ion Ratio Lower Upper

152 100

150 155.8 124.6 186.8

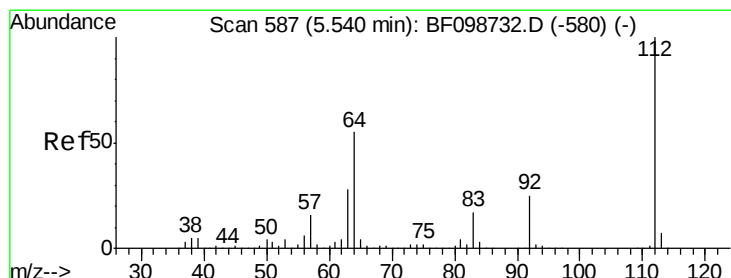
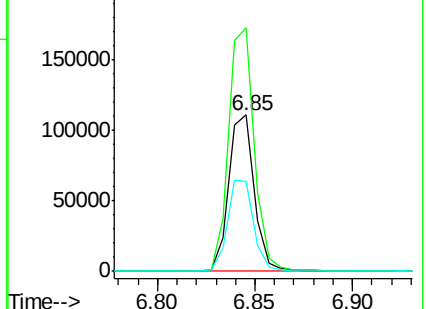
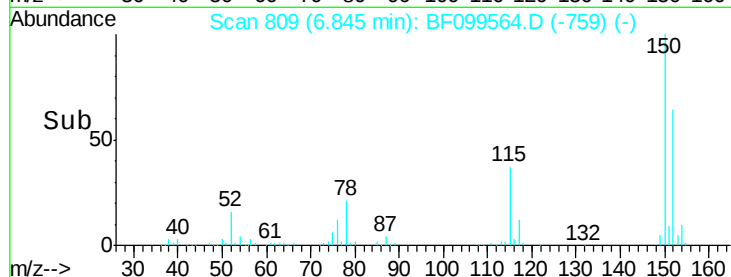
115 57.8 50.1 75.1



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: 95.90 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

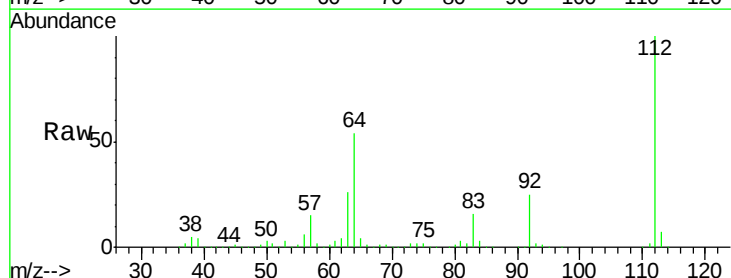
Tgt Ion:112 Resp: 605161

Ion Ratio Lower Upper

112 100

64 53.7 47.9 71.9

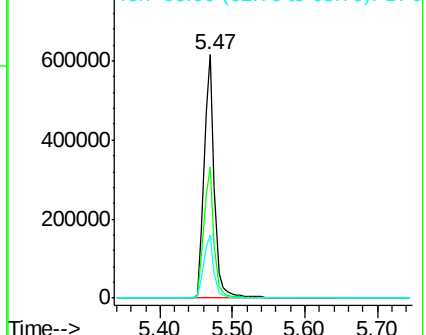
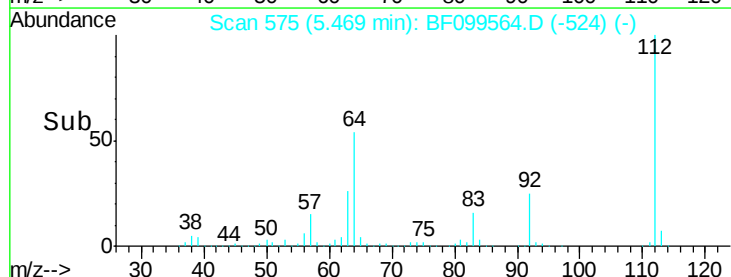
63 25.9 23.7 35.5



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: 92.19 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

Instrument :

BNA_F

ClientSampleId :

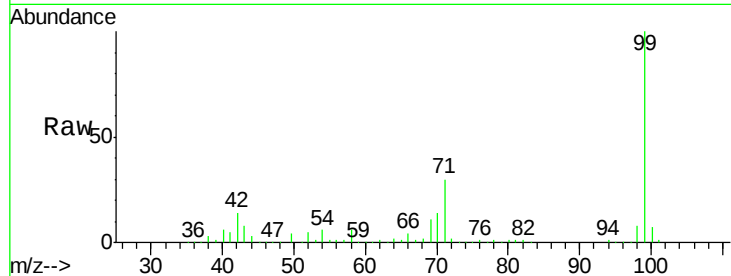
Tot Ion: 99 Resp: 717620

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

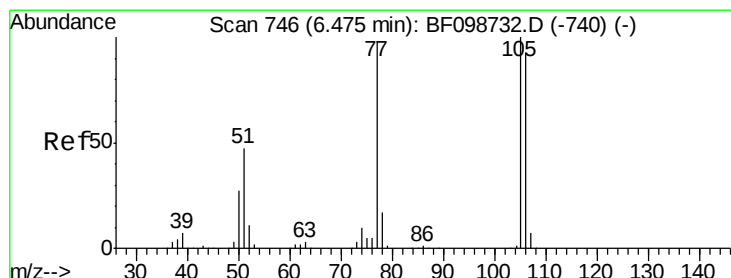
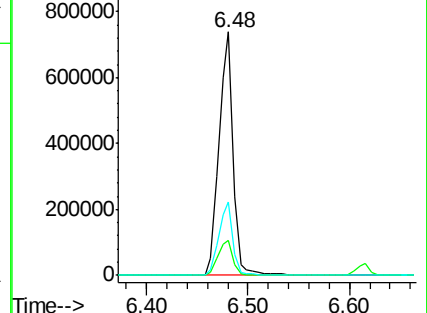
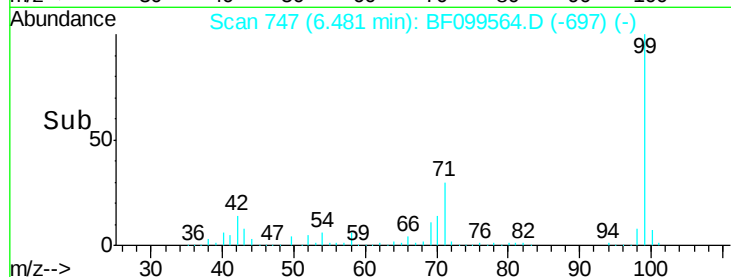
71 29.9 25.4 38.0



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: 2.57 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

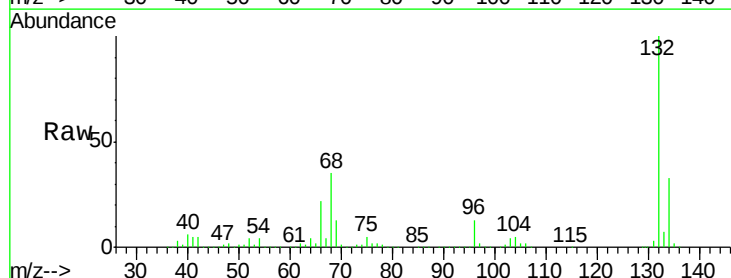
Tgt Ion: 77 Resp: 11587

Ion Ratio Lower Upper

77 100

105 91.7 81.1 121.1

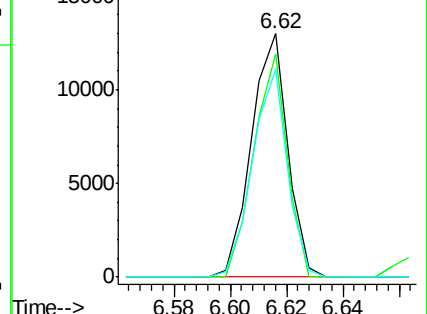
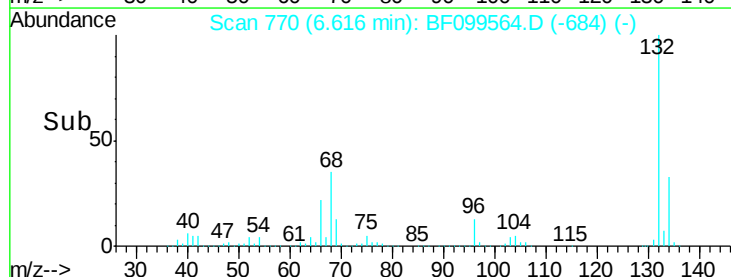
106 85.3 74.5 114.5

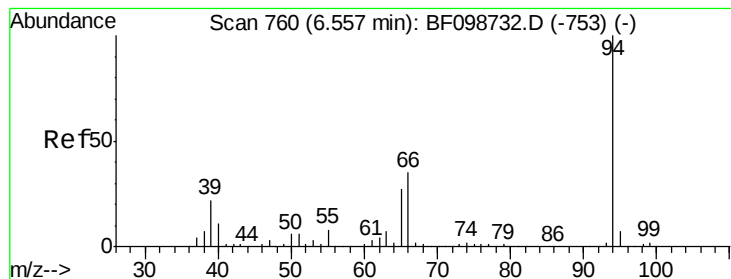


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 5.12 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

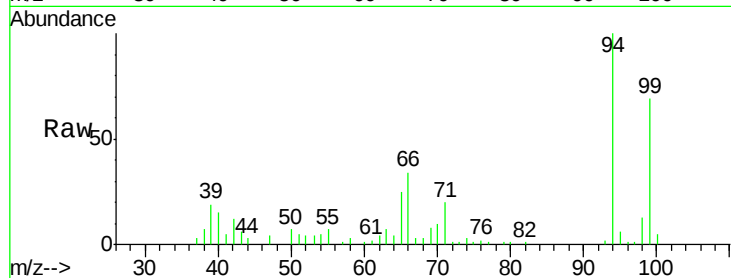
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 44570

Ion	Ratio	Lower	Upper
94	100		
65	24.9	7.9	47.9
66	34.1	16.2	56.2

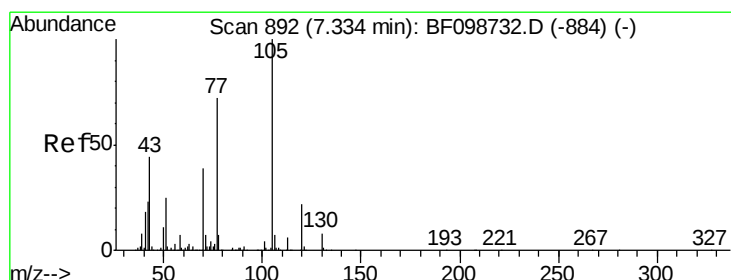
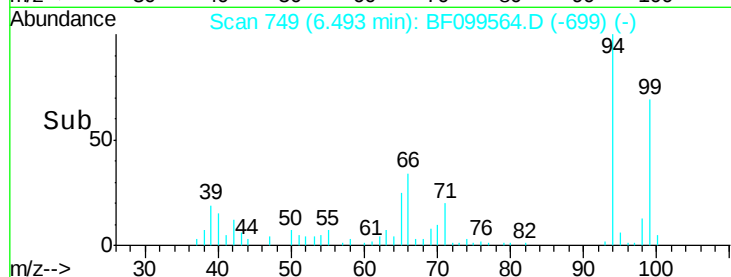
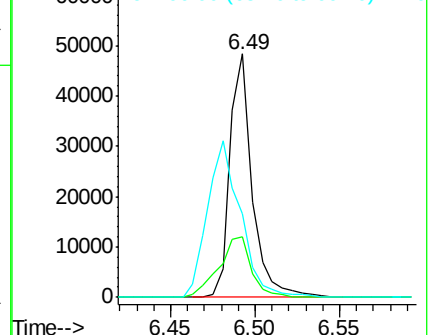


Abundance

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: 10.66 ng

RT: 7.41 min Scan# 905

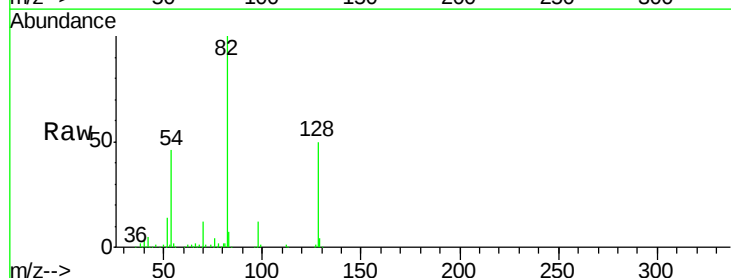
Delta R.T. 0.14 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

Tgt Ion: 70 Resp: 52969

Ion	Ratio	Lower	Upper
70	100		
42	44.1	47.5	71.3#
101	0.0	7.4	11.2#
130	2.9	16.6	25.0#



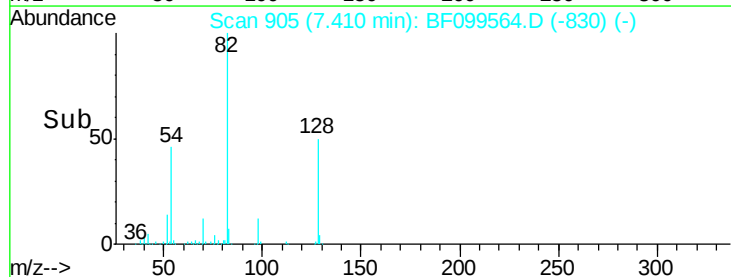
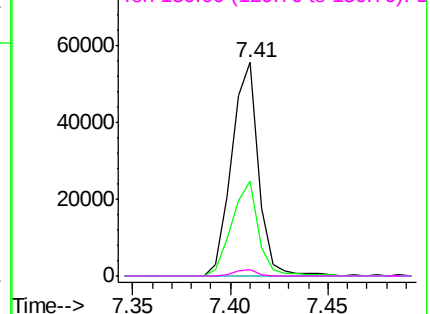
Abundance

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

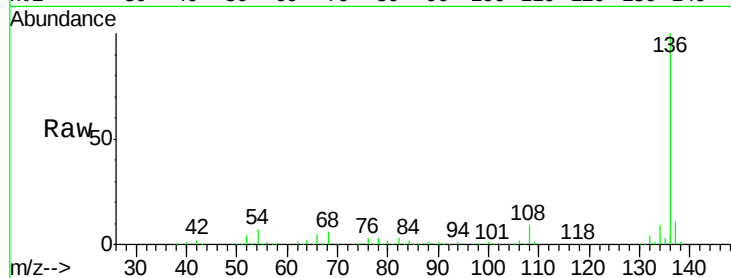




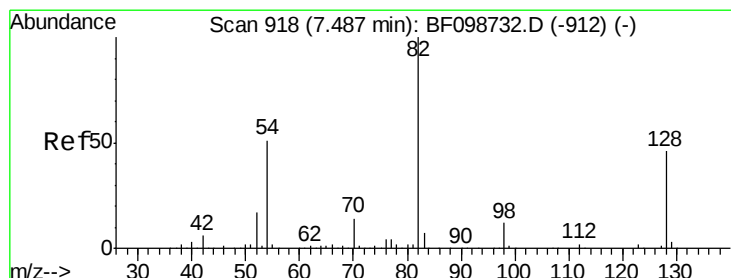
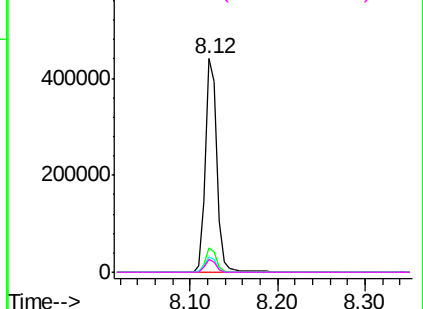
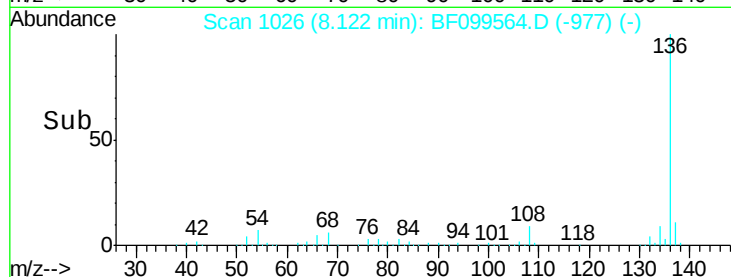
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF099564.D
Acq: 17 Oct 2017 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	407653
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	7.3	6.6 9.8
68	6.3	5.0 7.4

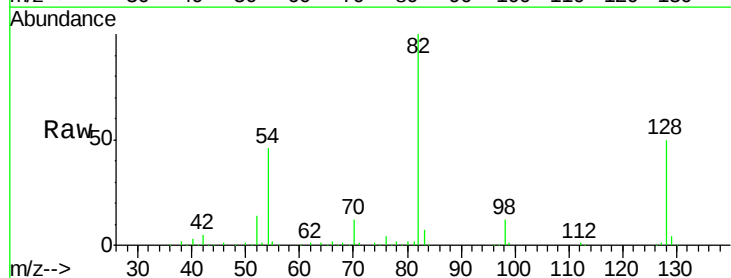


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

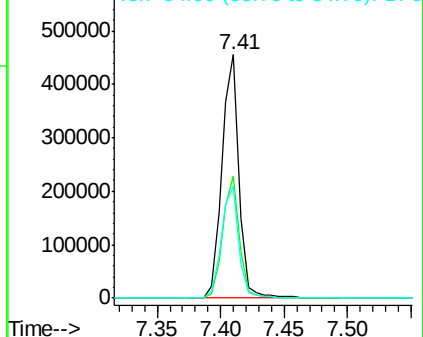
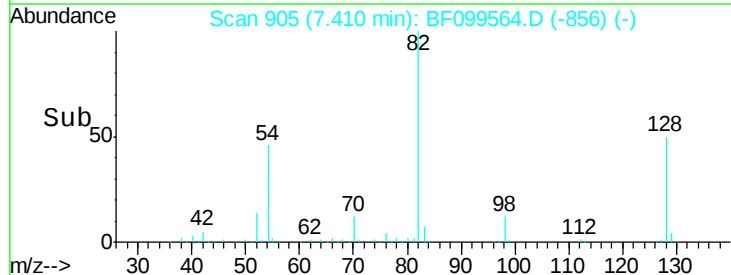


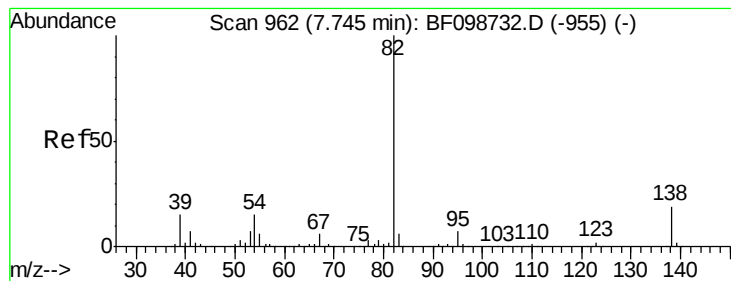
#23
Nitrobenzene-d5
Concen: 67.36 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099564.D
Acq: 17 Oct 2017 00:35

Tgt Ion: 82	Resp:	428211
Ion	Ratio	Lower Upper
82	100	
128	50.2	36.1 54.1
54	45.9	41.4 62.2



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: 32.58 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

Instrument :

BNA_F

ClientSampleId :

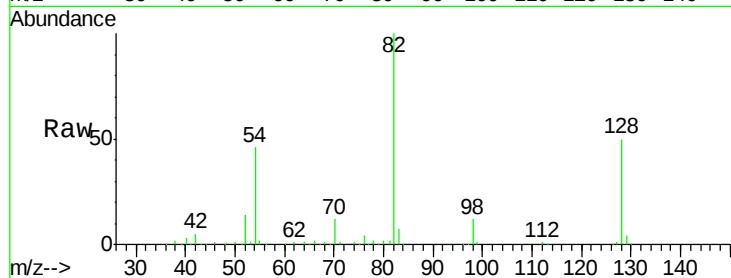
Tot Ion: 82 Resp: 428205

Ion Ratio Lower Upper

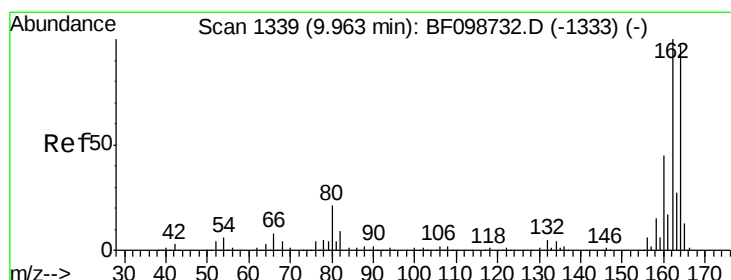
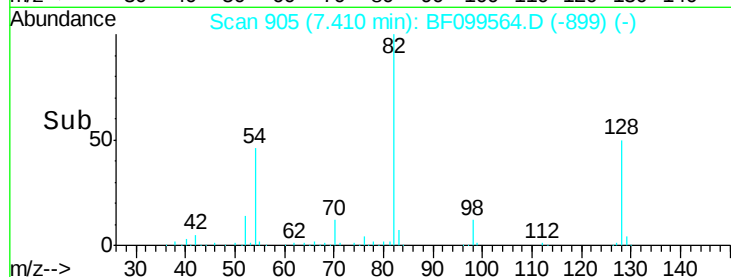
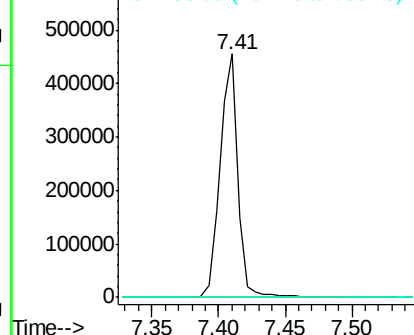
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

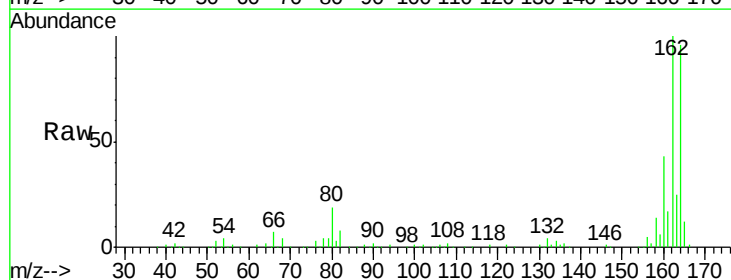
Tgt Ion: 164 Resp: 177506

Ion Ratio Lower Upper

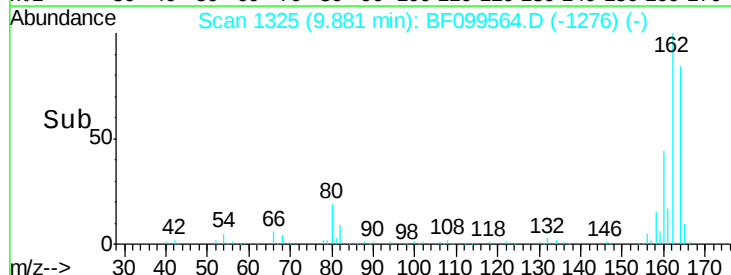
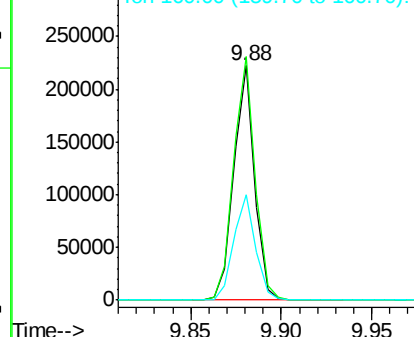
164 100

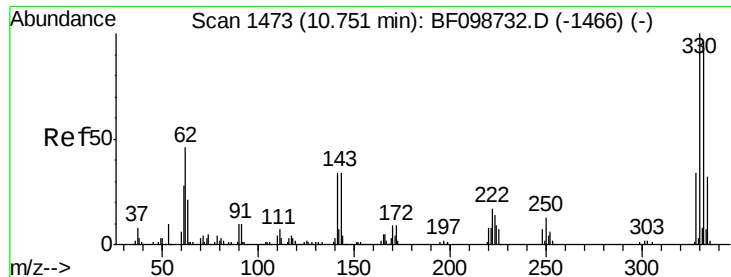
162 103.8 86.1 129.1

160 44.8 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

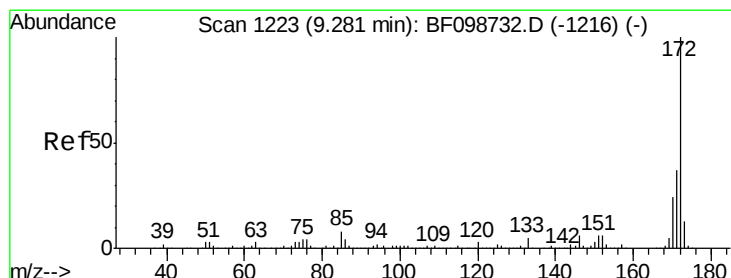
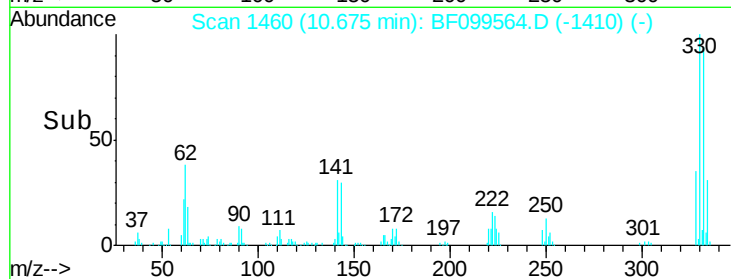
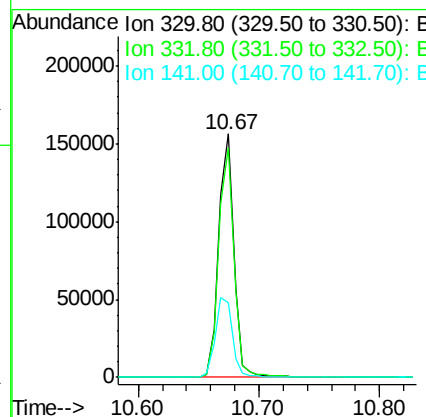
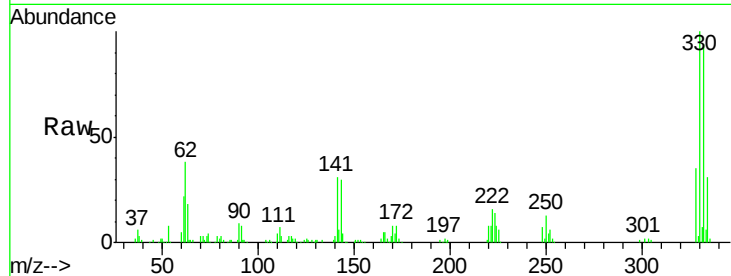




#41
 2,4,6-Tribromophenol
 Concen: 92.81 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099564.D
 Acq: 17 Oct 2017 00:35

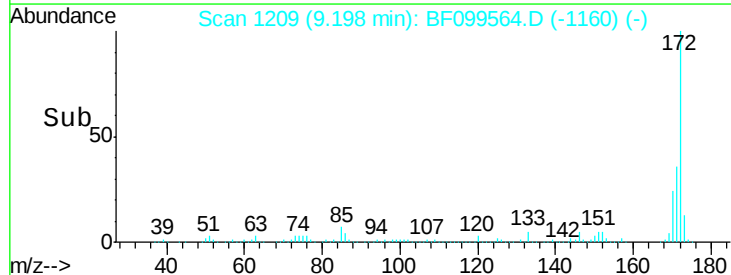
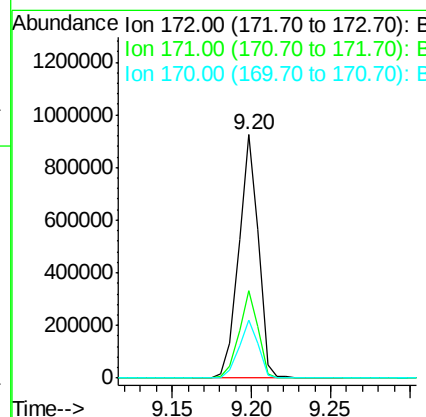
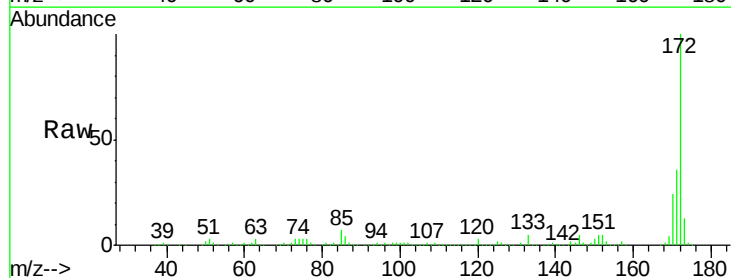
Instrument :
 BNA_F
 ClientSampled :

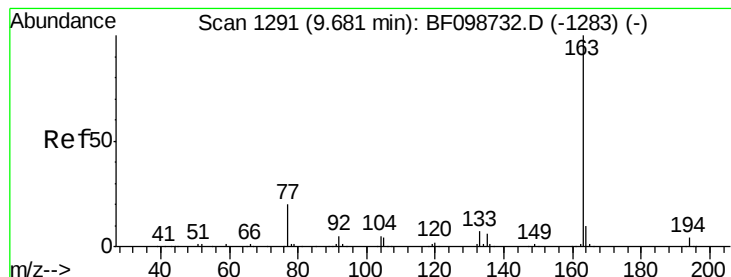
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	37.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 74.45 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099564.D
 Acq: 17 Oct 2017 00:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.7	19.6	29.4





#49

Dimethylphthalate

Concen: 18.56 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

Instrument :

BNA_F

ClientSampleId :

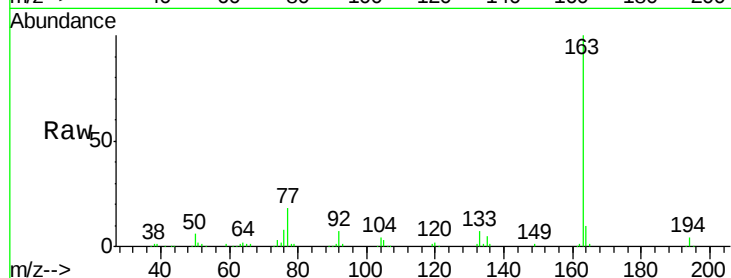
Tot Ion:163 Resp: 248687

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

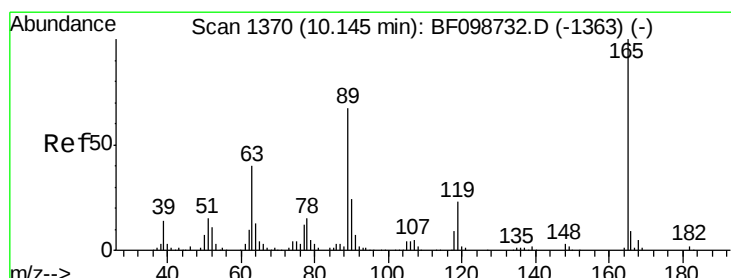
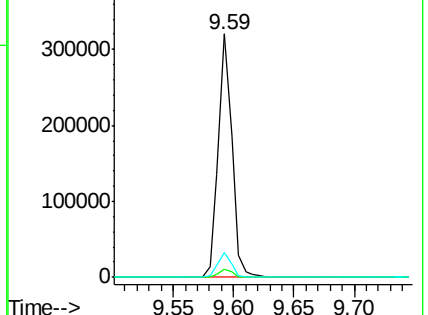
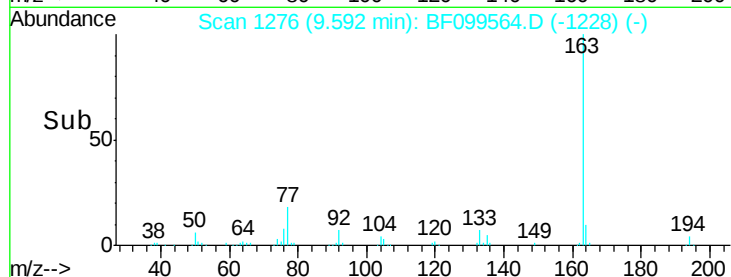
164 10.0 8.2 12.2



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: 5.93 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.21 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

Tgt Ion:165 Resp: 22440

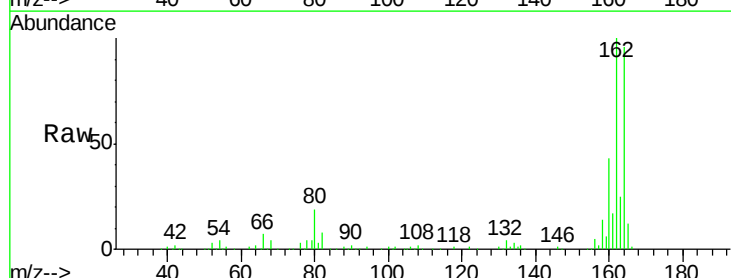
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

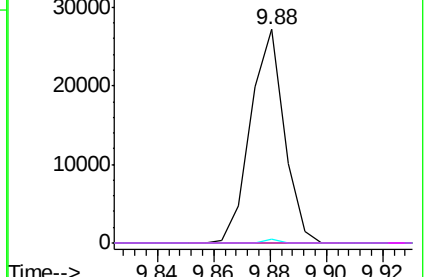
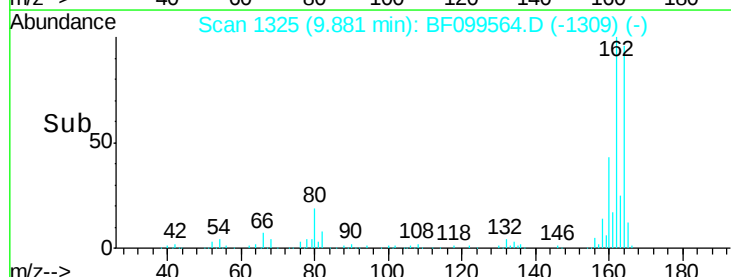


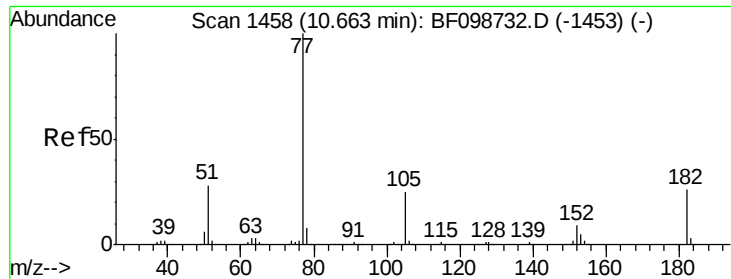
Abundance Ion 165.00 (164.70 to 165.70): E

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

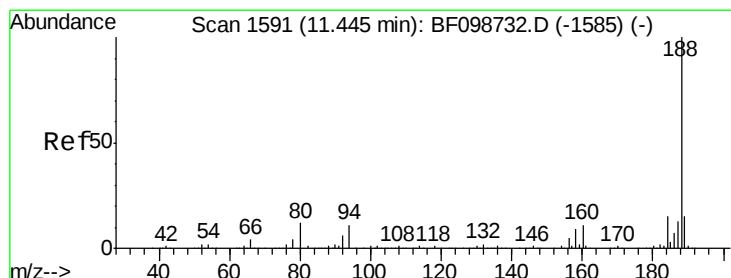
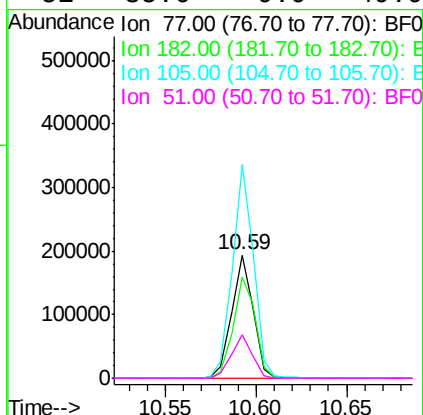
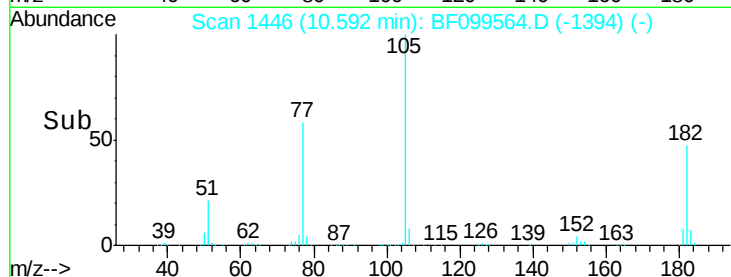
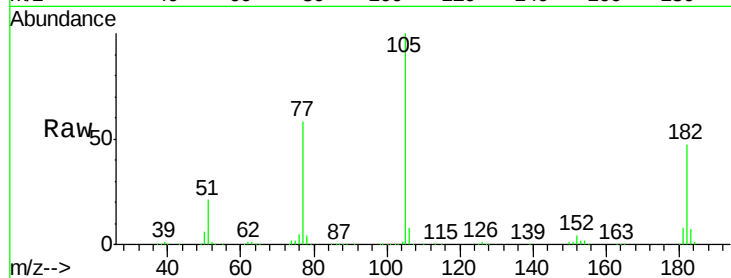




#62
Azobenzene
Concen: 13.22 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF099564.D
Acq: 17 Oct 2017 00:35

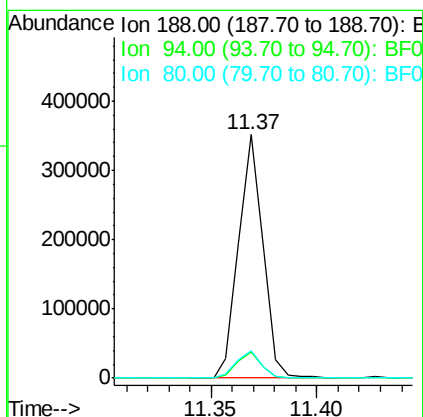
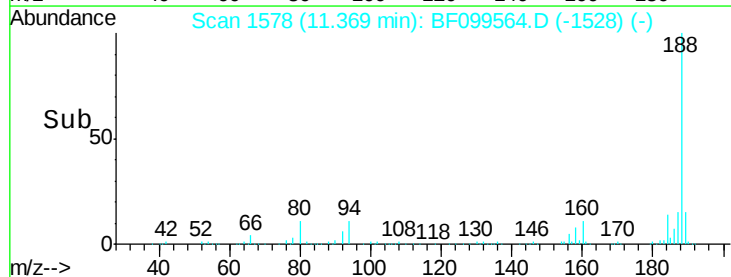
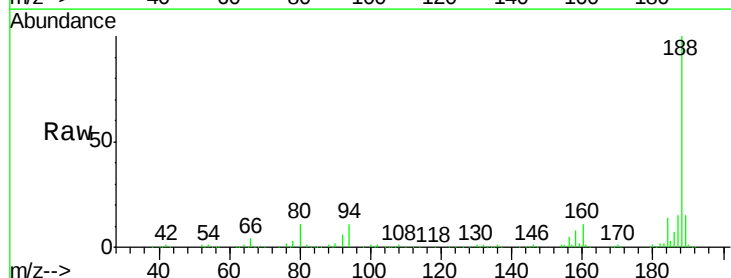
Instrument :
BNA_F
ClientSampled :

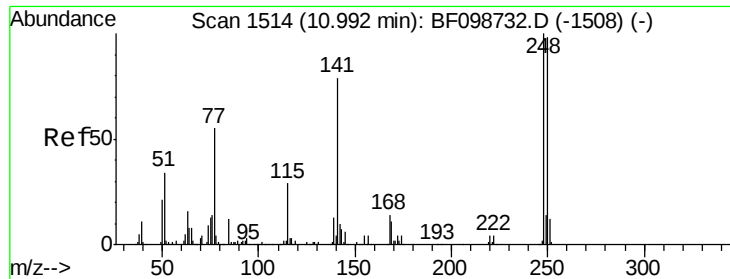
Tot Ion: 77 Resp: 159156
Ion Ratio Lower Upper
77 100
182 82.2 1.7 41.7#
105 173.4 3.0 43.0#
51 35.6 9.9 49.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099564.D
Acq: 17 Oct 2017 00:35

Tgt Ion: 188 Resp: 280719
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.3 9.2 13.8

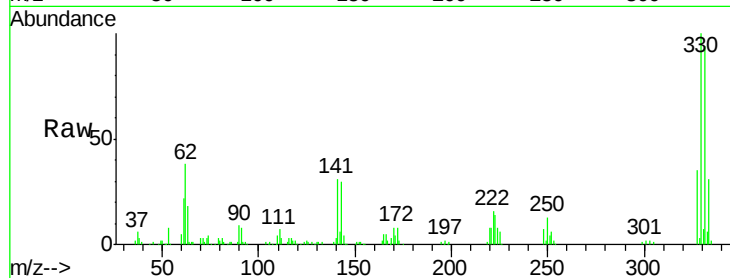




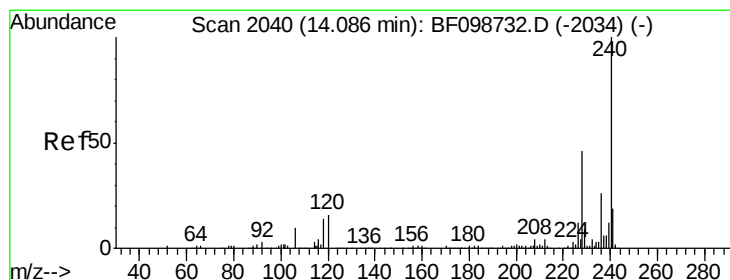
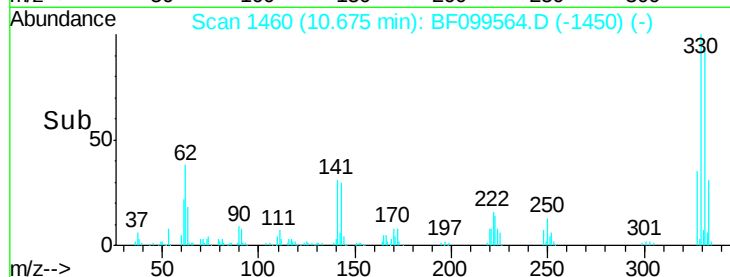
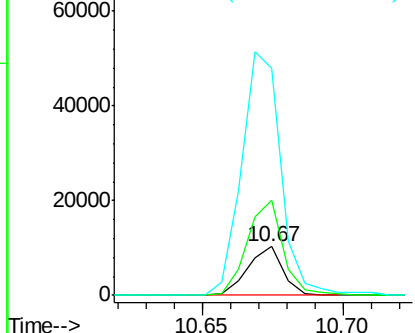
#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF099564.D
Acq: 17 Oct 2017 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8843
Ion Ratio Lower Upper
248 100
250 195.0 76.9 115.3#
141 468.4 74.4 111.6#

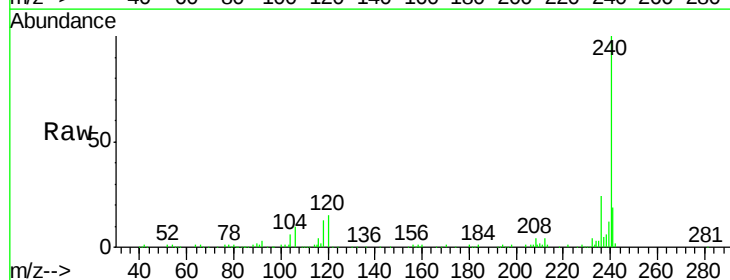


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

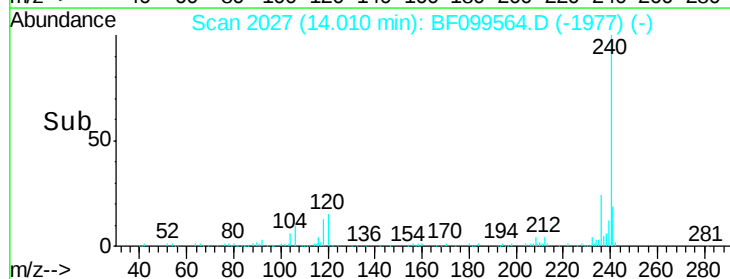
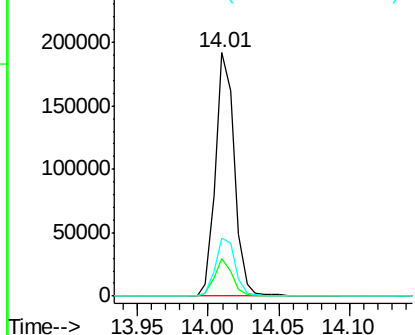


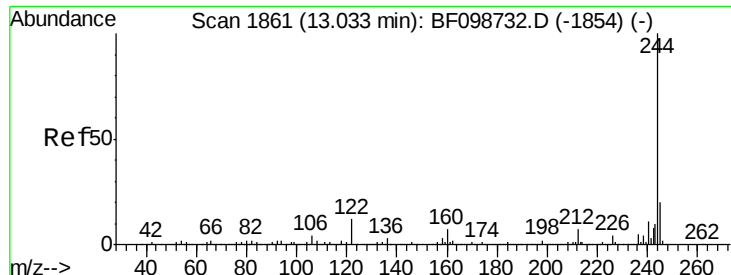
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099564.D
Acq: 17 Oct 2017 00:35

Tgt Ion:240 Resp: 179342
Ion Ratio Lower Upper
240 100
120 15.2 9.5 14.3#
236 24.1 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: 64.27 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

Instrument :

BNA_F

ClientSampleId :

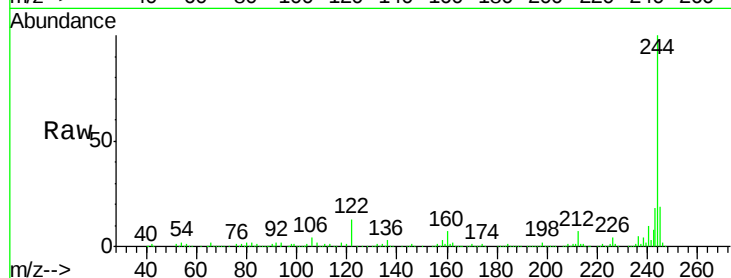
Tot Ion:244 Resp: 506800

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

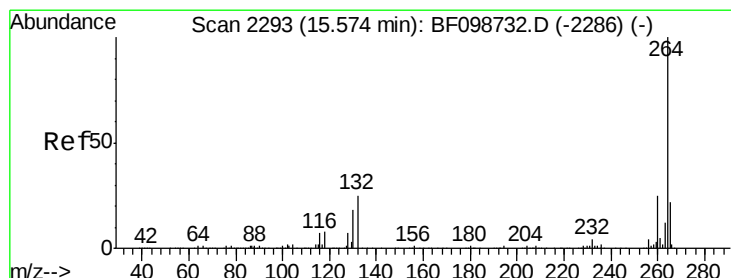
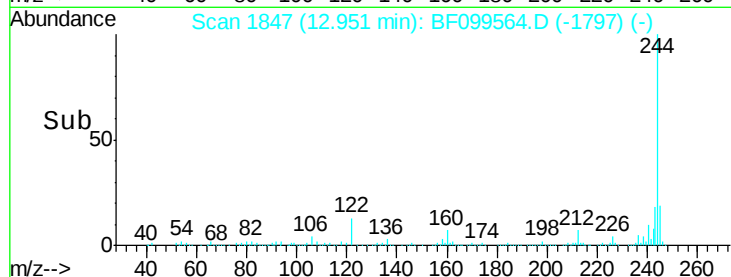
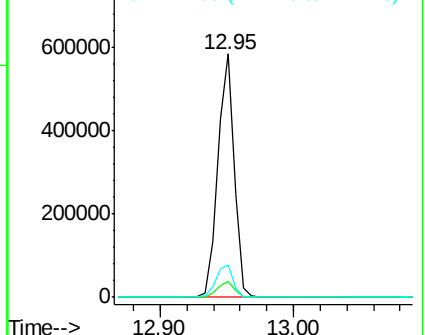
122 13.3 11.0 16.4



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: 20.00 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099564.D

Acq: 17 Oct 2017 00:35

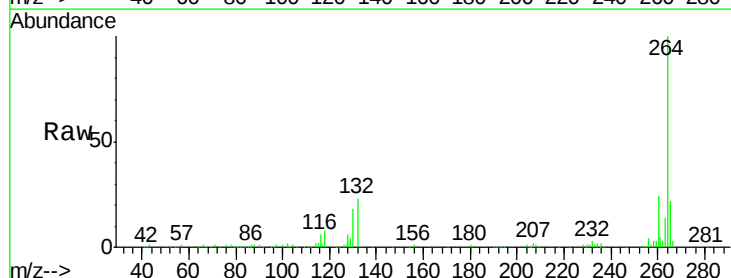
Tgt Ion:264 Resp: 187884

Ion Ratio Lower Upper

264 100

260 24.0 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

