

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099687.D
 Acq On : 20 Oct 2017 6:10
 Operator : SJ/JU
 Sample : I5927-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 12:55:16 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

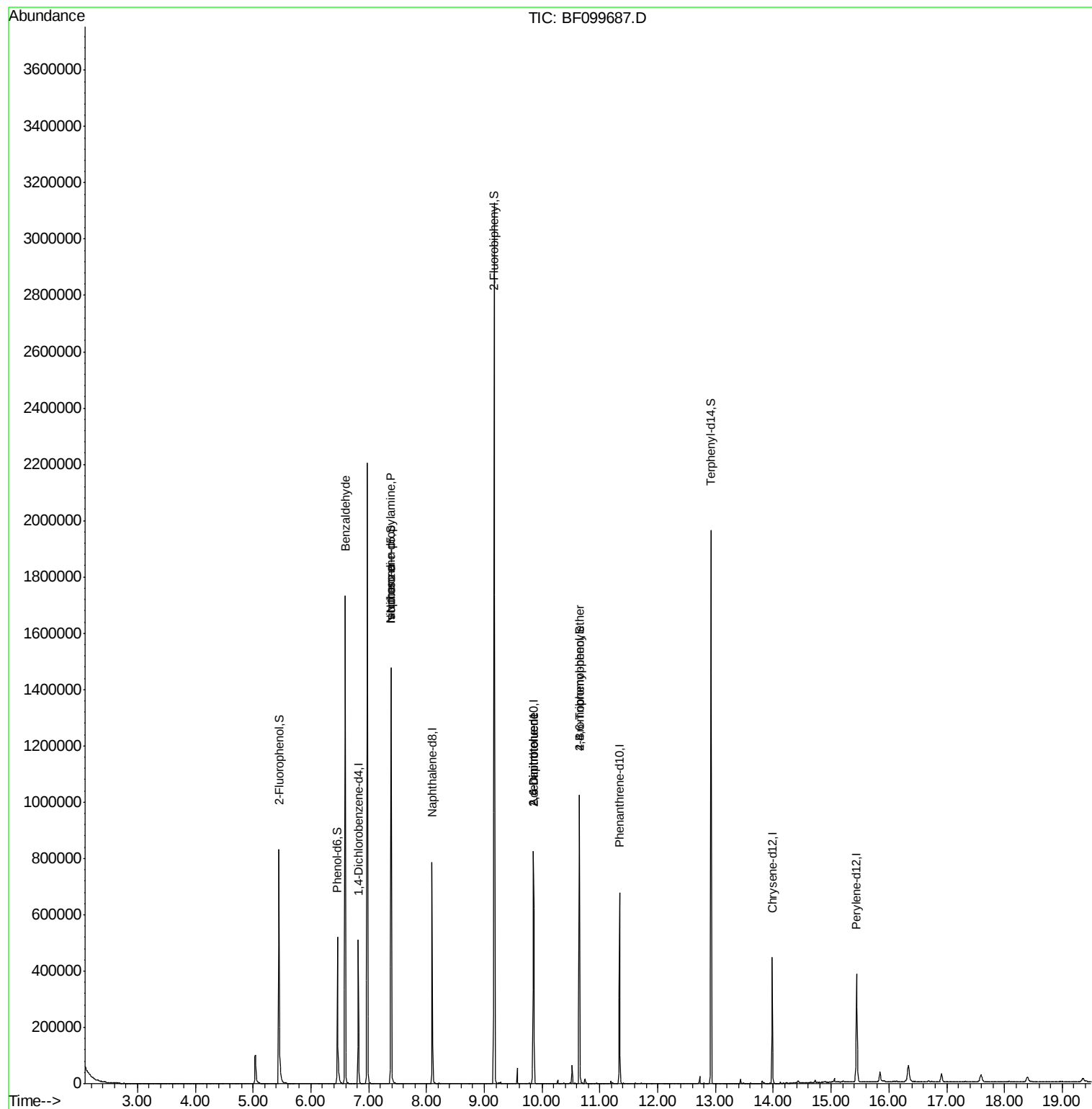
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	88236	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	362057	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	160264	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	228193	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	148597	20.00	ng	-0.02
86) Perylene-d12	15.44	264	163131	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	278342	50.22	ng	0.00
7) Phenol-d6	6.46	99	208391	30.48	ng	-0.02
23) Nitrobenzene-d5	7.39	82	569213	100.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	118141	90.09	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1066777	111.12	ng	-0.01
78) Terphenyl-d14	12.92	244	666037	101.93	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.59	77	8451	2.131	ng	93
19) n-Nitroso-di-n-propylamine	7.39	70	71266	16.325	ng	# 73
25) Isophorone	7.39	82	569207	48.765	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	19791	7.516	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	19791	5.791	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	7931	3.551	ng	# 1

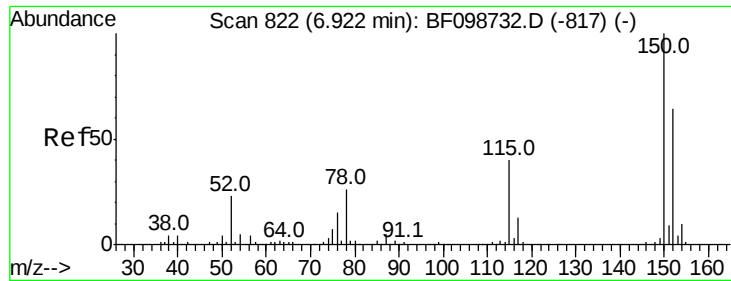
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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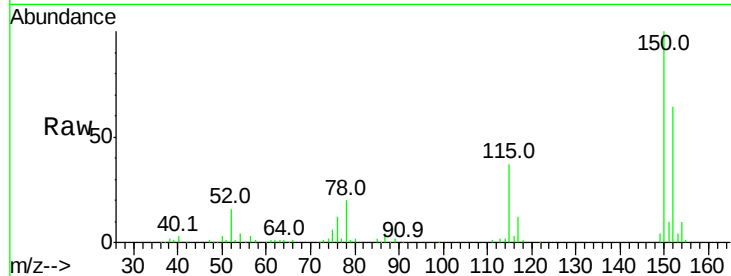


#1

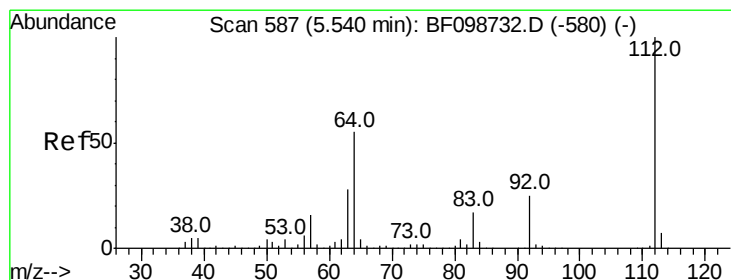
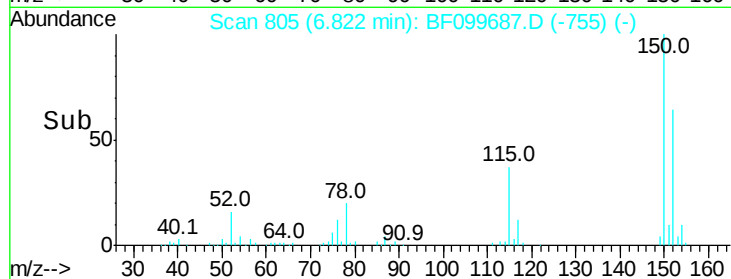
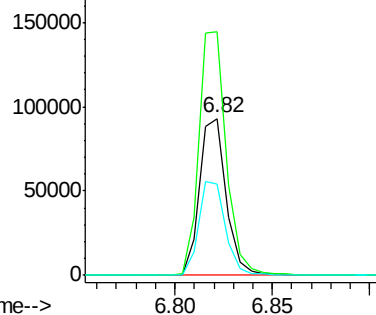
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF099687.D
Acq: 20 Oct 2017 6:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88236
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 57.8 50.1 75.1



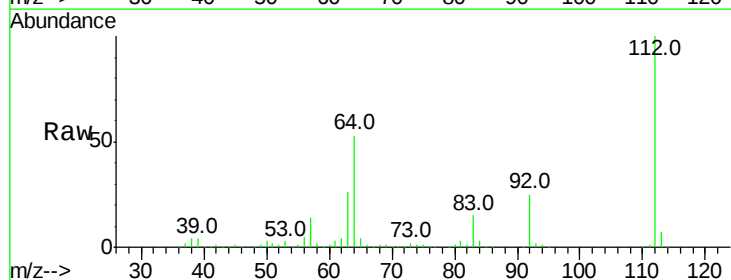
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



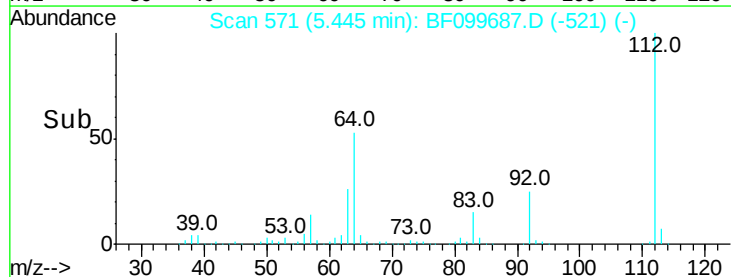
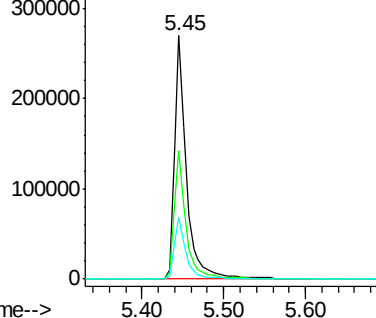
#5

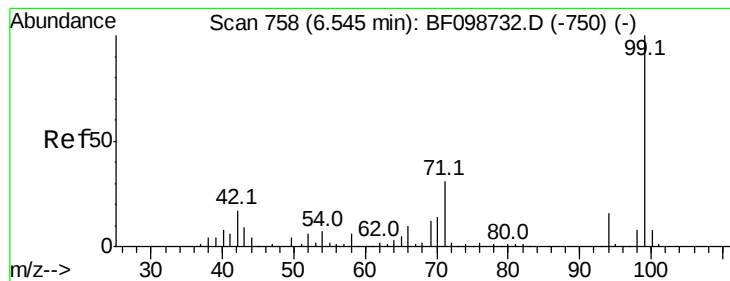
2-Fluorophenol
Concen: 50.217 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF099687.D
Acq: 20 Oct 2017 6:10

Tgt Ion:112 Resp: 278342
Ion Ratio Lower Upper
112 100
64 52.5 47.9 71.9
63 25.5 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: 30.477 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF099687.D

Acq: 20 Oct 2017 6:10

Instrument :

BNA_F

ClientSampleId :

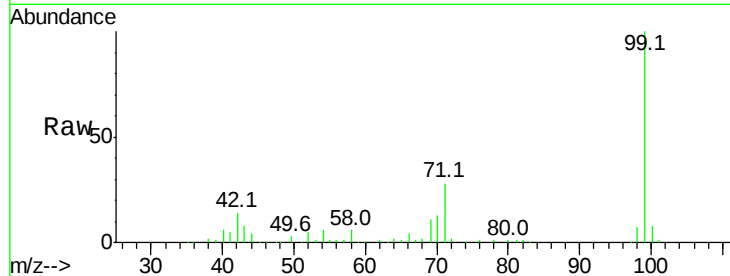
Tot Ion: 99 Resp: 208391

Ion Ratio Lower Upper

99 100

42 14.2 14.5 21.7#

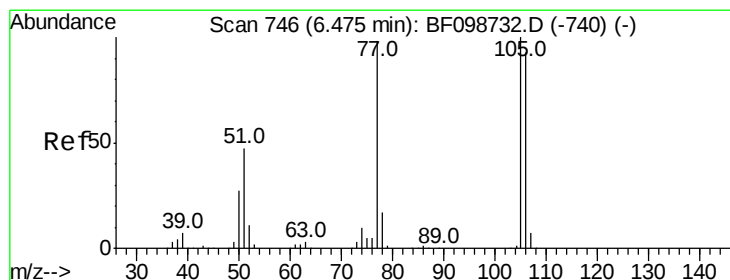
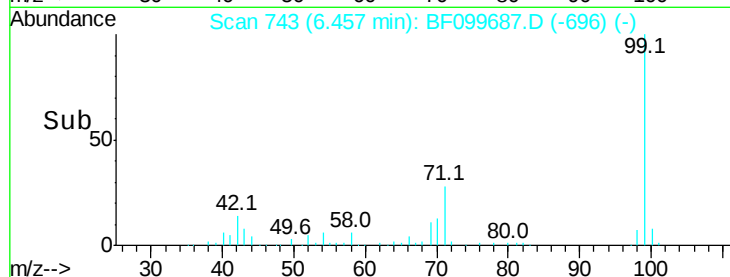
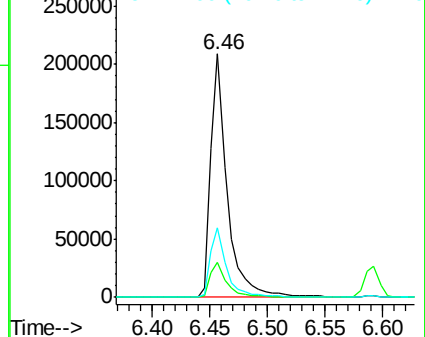
71 28.3 25.4 38.0



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: 2.131 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF099687.D

Acq: 20 Oct 2017 6:10

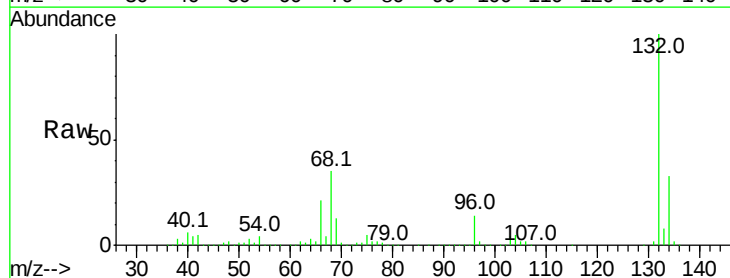
Tgt Ion: 77 Resp: 8451

Ion Ratio Lower Upper

77 100

105 91.2 81.1 121.1

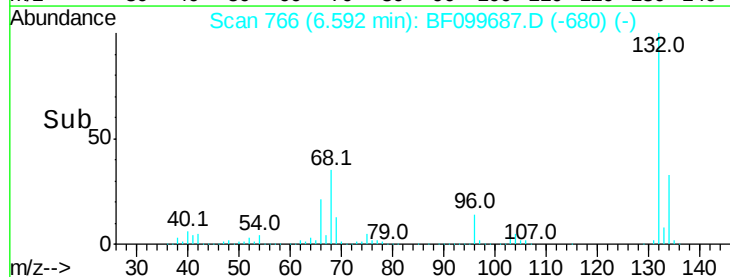
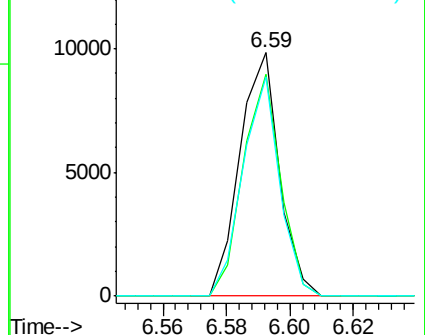
106 90.3 74.5 114.5

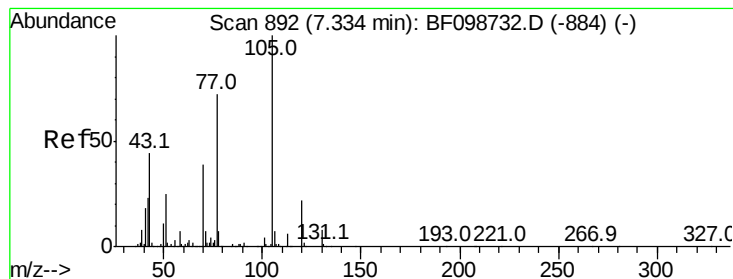


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 16.325 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF099687.D

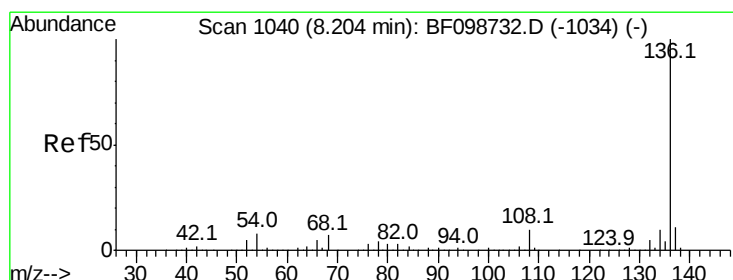
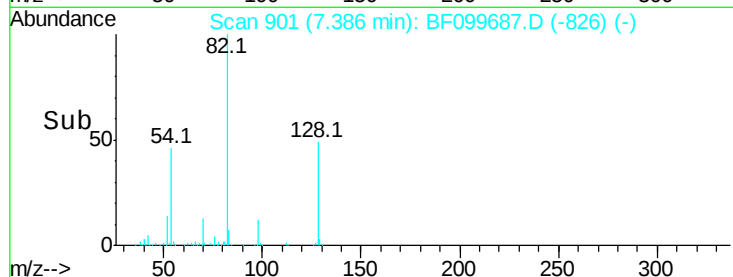
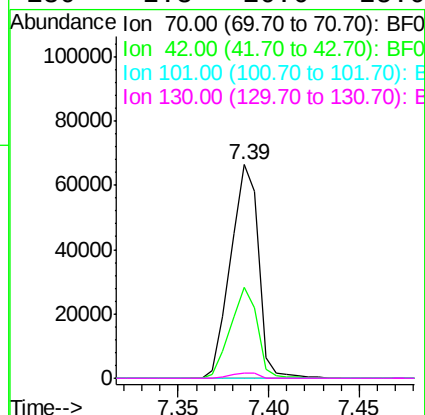
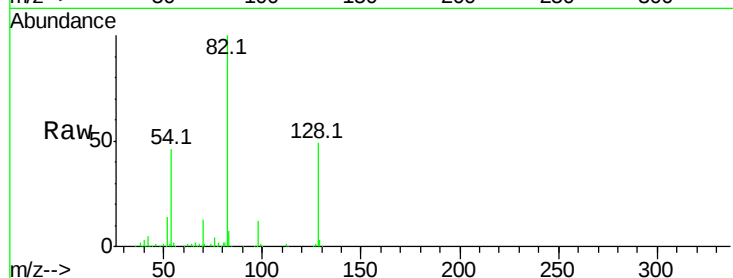
Acq: 20 Oct 2017 6:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	71266
Ion	Ratio	Lower	Upper
70	100		
42	42.3	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

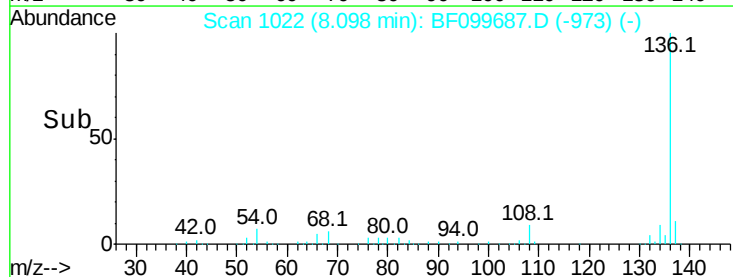
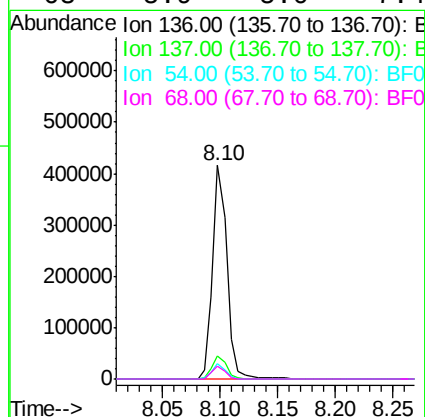
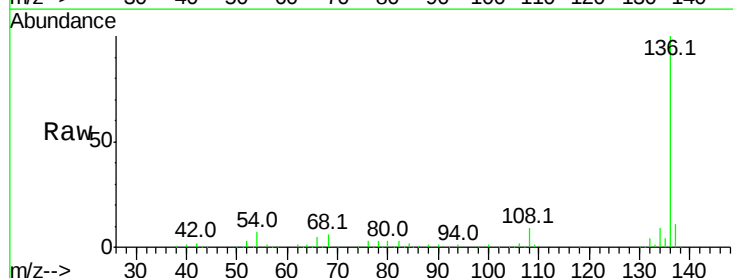
RT: 8.10 min Scan# 1022

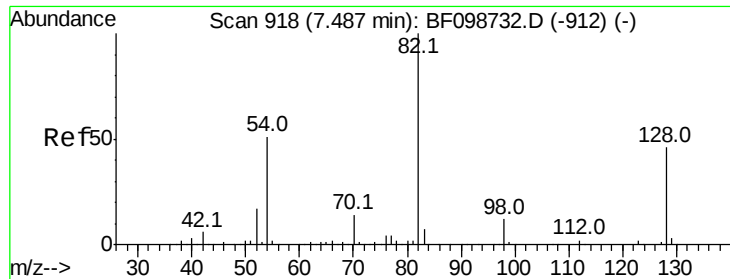
Delta R.T. -0.01 min

Lab File: BF099687.D

Acq: 20 Oct 2017 6:10

Tgt Ion:	136	Resp:	362057
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4

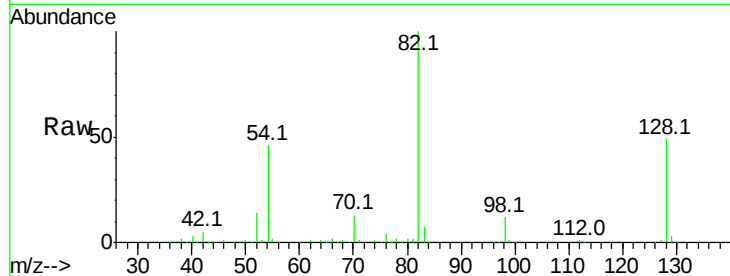




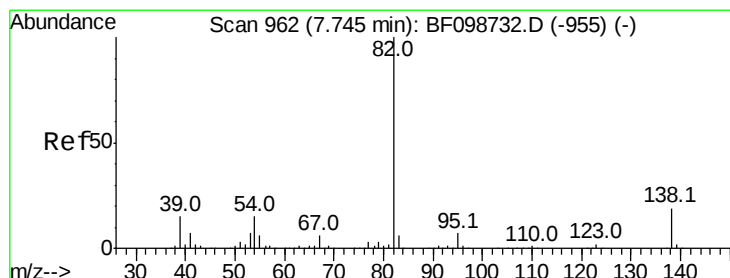
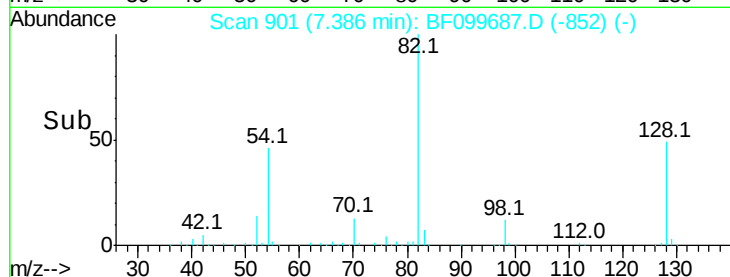
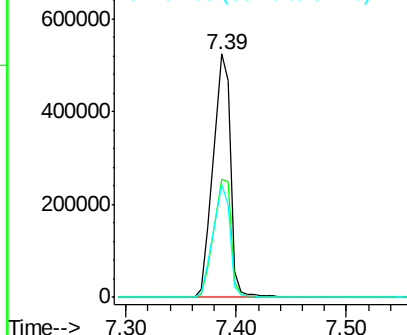
#23
Nitrobenzene-d5
Concen: 100.823 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF099687.D
Acq: 20 Oct 2017 6:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 569213
Ion Ratio Lower Upper
82 100
128 48.8 36.1 54.1
54 46.3 41.4 62.2

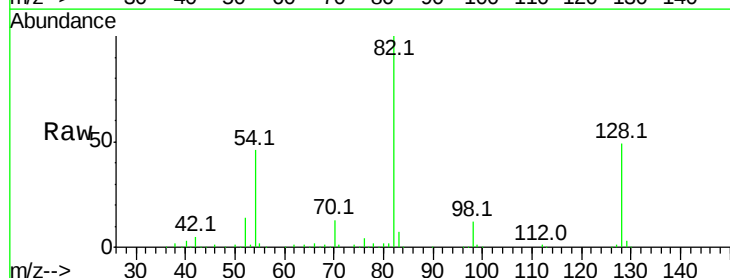


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

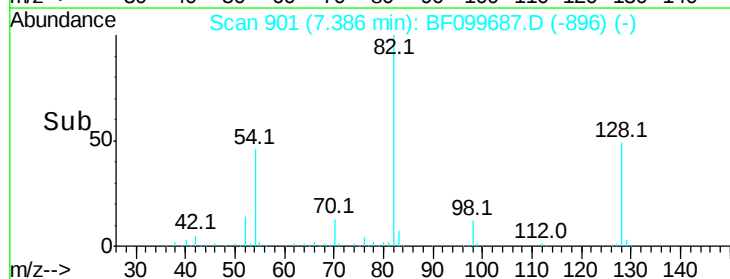
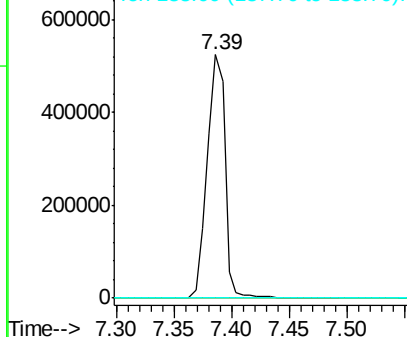


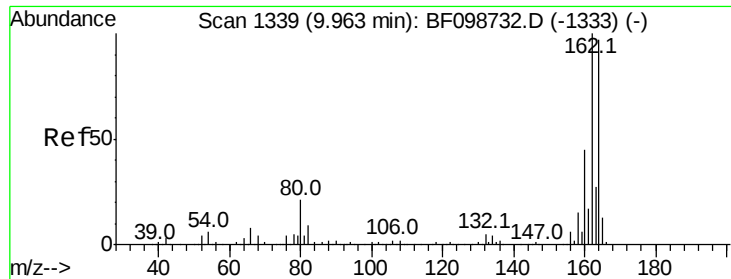
#25
Isophorone
Concen: 48.765 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.27 min
Lab File: BF099687.D
Acq: 20 Oct 2017 6:10

Tgt Ion: 82 Resp: 569207
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: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF099687.D

Acq: 20 Oct 2017 6:10

Instrument :

BNA_F

ClientSampleId :

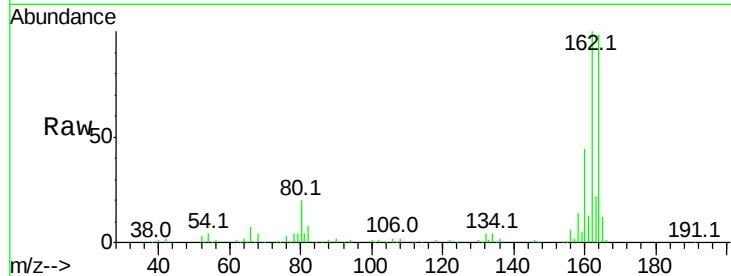
Tot Ion:164 Resp: 160264

Ion Ratio Lower Upper

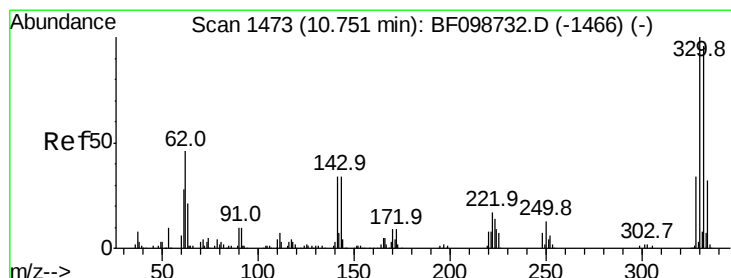
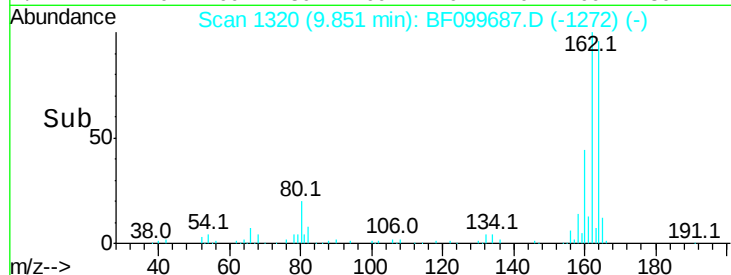
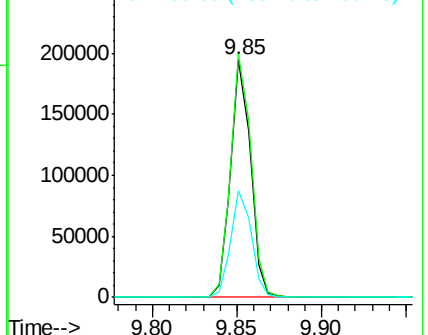
164 100

162 102.4 86.1 129.1

160 44.7 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: 90.088 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF099687.D

Acq: 20 Oct 2017 6:10

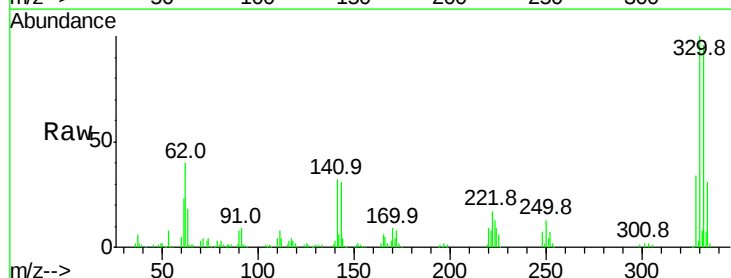
Tgt Ion:330 Resp: 118141

Ion Ratio Lower Upper

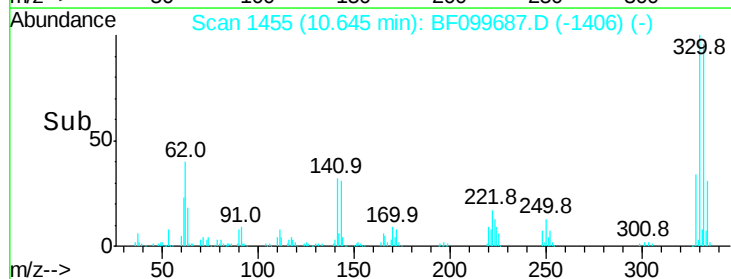
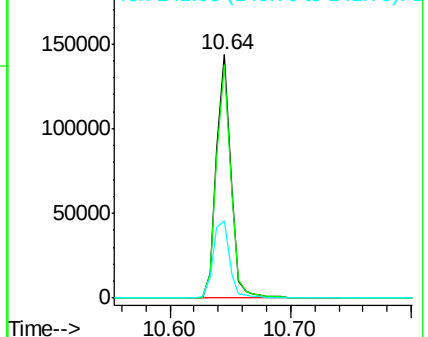
330 100

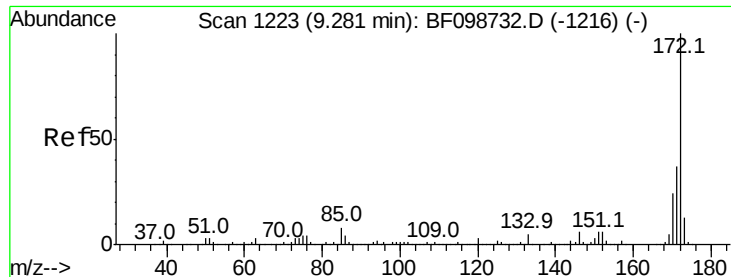
332 95.4 77.0 115.6

141 36.3 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



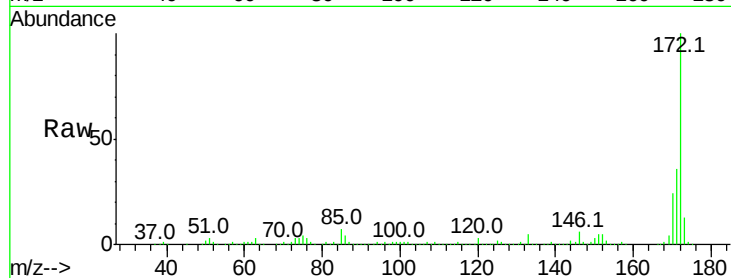


#44
 2-Fluorobiphenyl
 Concen: 111.123 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF099687.D
 Acq: 20 Oct 2017 6:10

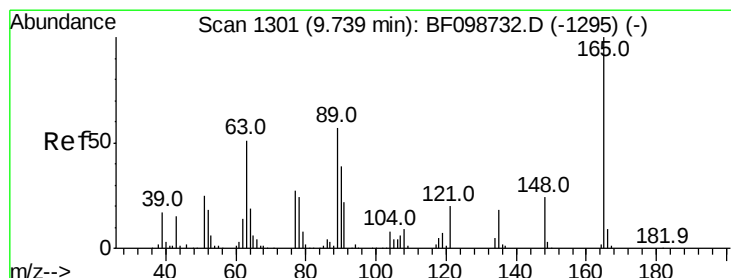
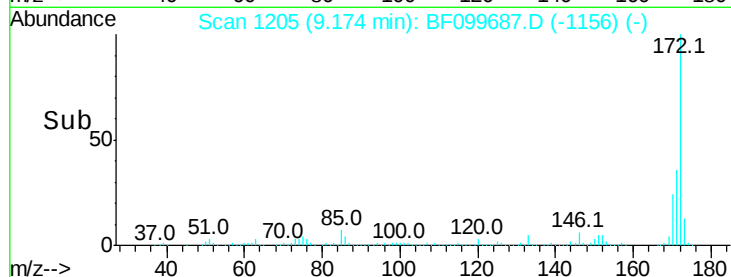
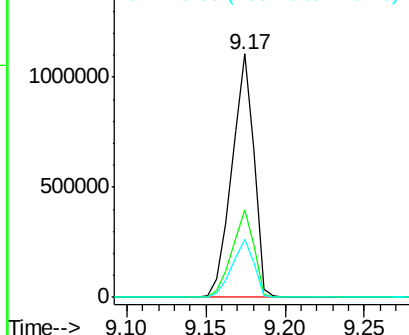
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1066777

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	19.6	29.4



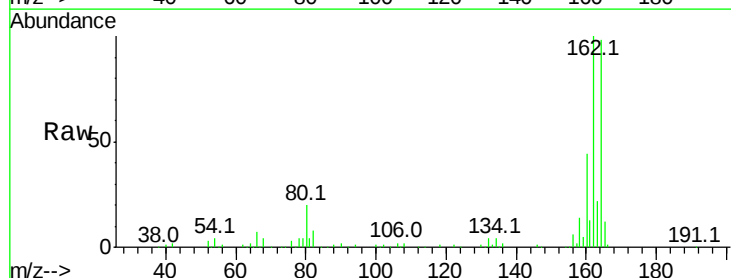
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



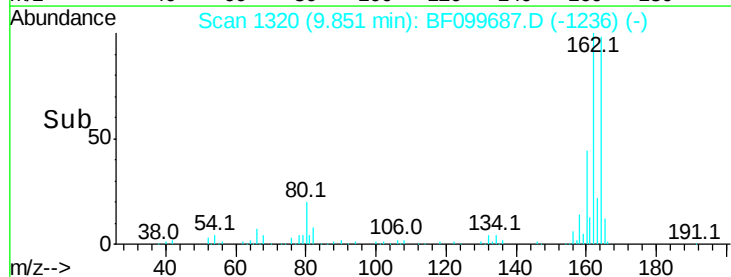
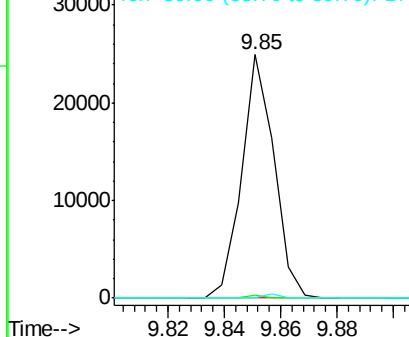
#50
 2,6-Dinitrotoluene
 Concen: 7.516 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.19 min
 Lab File: BF099687.D
 Acq: 20 Oct 2017 6:10

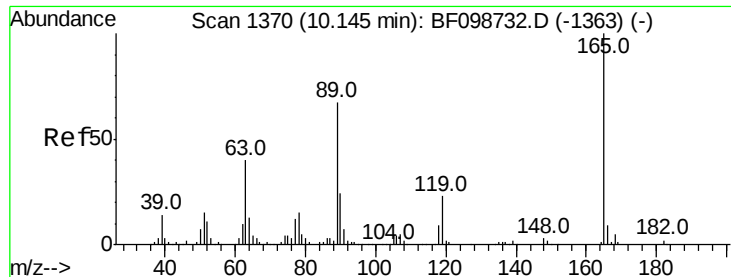
Tgt Ion:165 Resp: 19791

Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	0.0	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

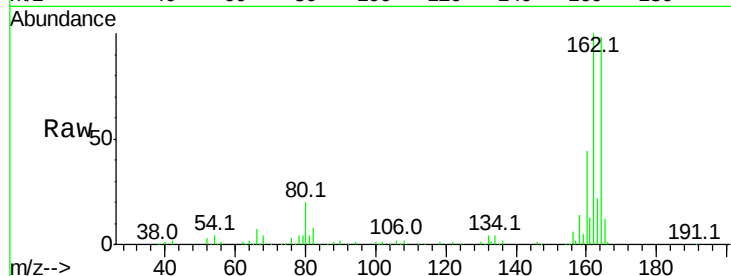




#56
 2,4-Dinitrotoluene
 Concen: 5.791 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.22 min
 Lab File: BF099687.D
 Acq: 20 Oct 2017 6:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

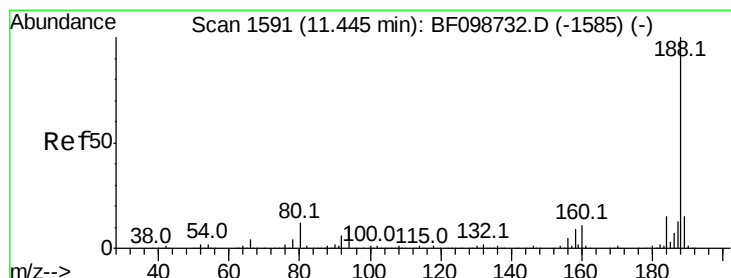
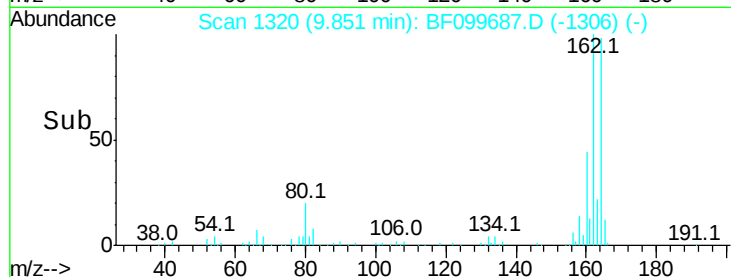
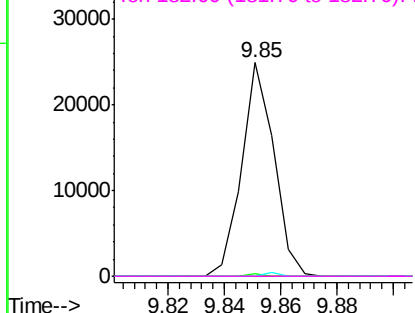


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

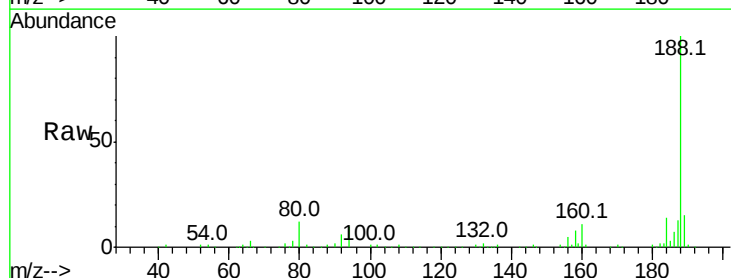
Ion 89.00 (88.70 to 89.70): BF0

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: BF099687.D
 Acq: 20 Oct 2017 6:10

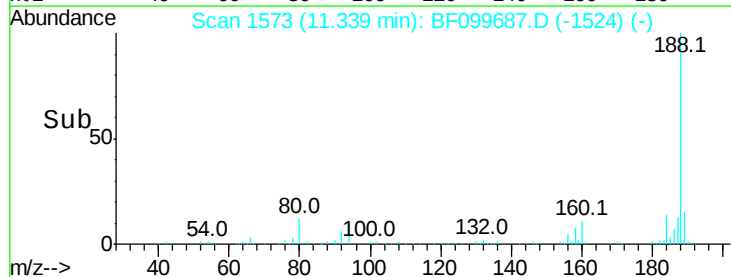
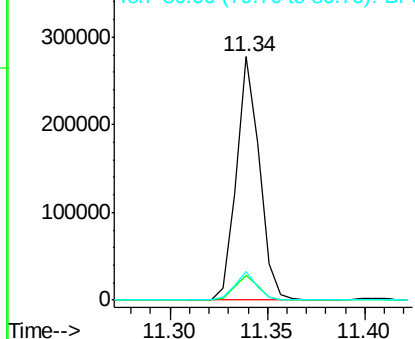
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.6	9.2	13.8

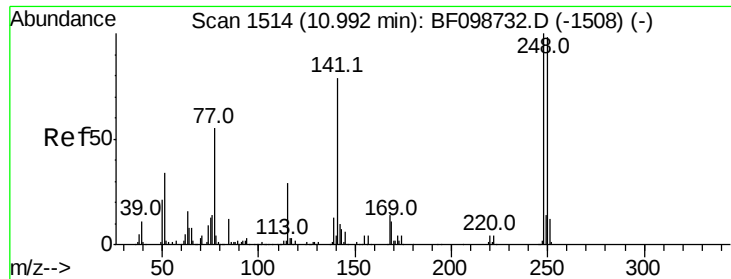


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

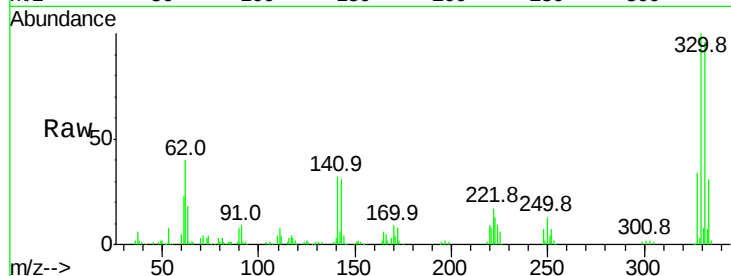




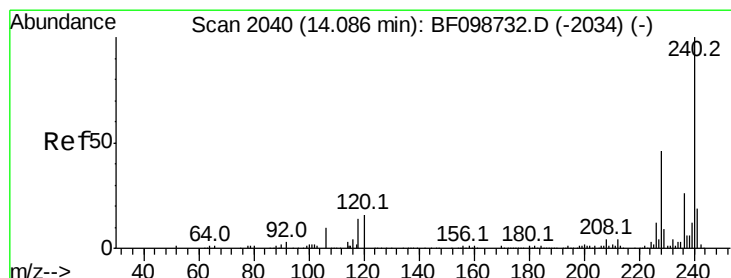
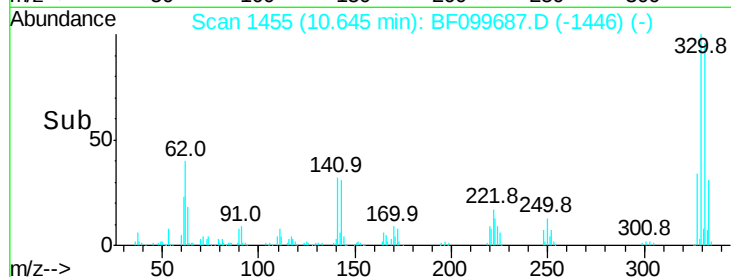
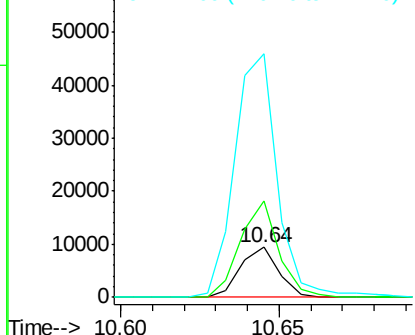
#66
 4-Bromophenyl-phenylether
 Concen: 3.551 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.25 min
 Lab File: BF099687.D
 Acq: 20 Oct 2017 6:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7931
 Ion Ratio Lower Upper
 248 100
 250 193.1 76.9 115.3#
 141 485.0 74.4 111.6#

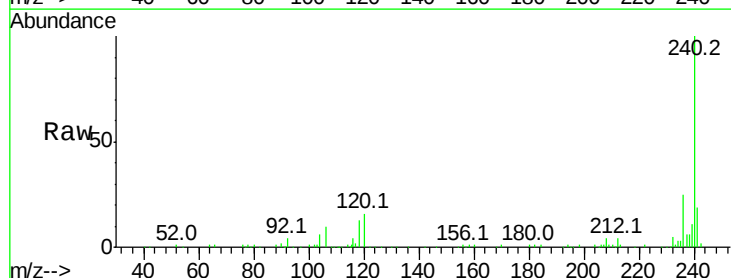


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

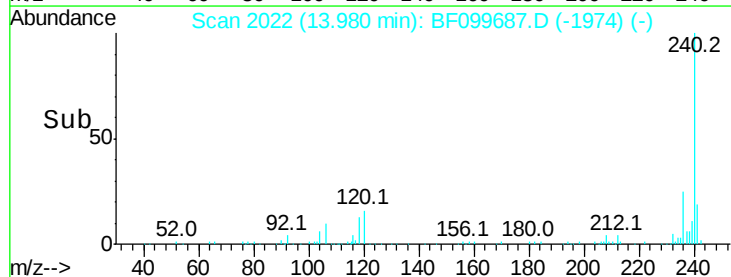
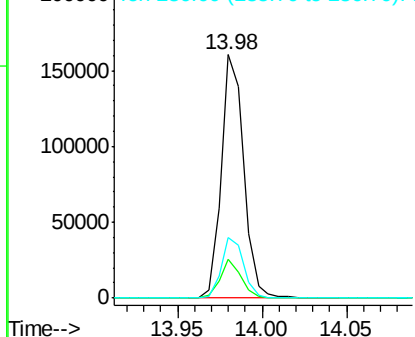


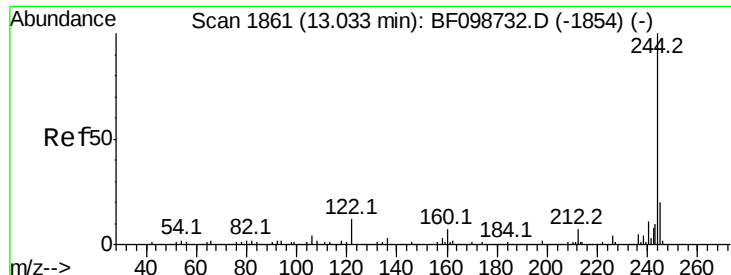
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF099687.D
 Acq: 20 Oct 2017 6:10

Tgt Ion:240 Resp: 148597
 Ion Ratio Lower Upper
 240 100
 120 15.8 9.5 14.3#
 236 25.0 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: 101.934 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF099687.D

Acq: 20 Oct 2017 6:10

Instrument :

BNA_F

ClientSampled :

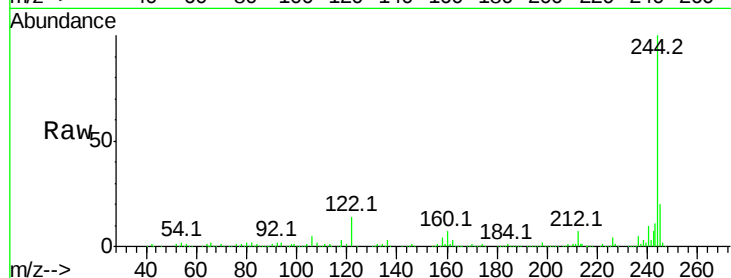
Tot Ion:244 Resp: 666037

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

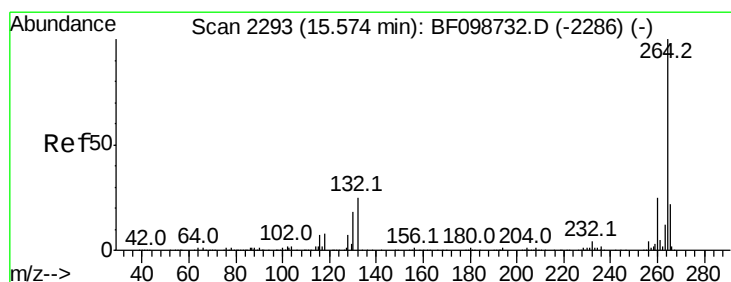
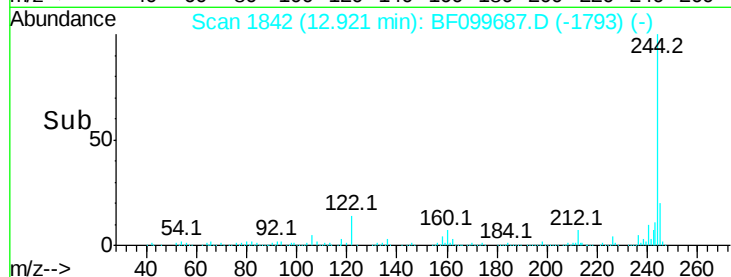
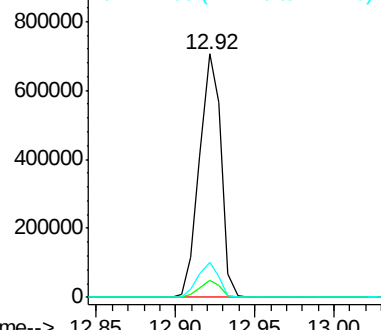
122 14.4 11.0 16.4



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: BF099687.D

Acq: 20 Oct 2017 6:10

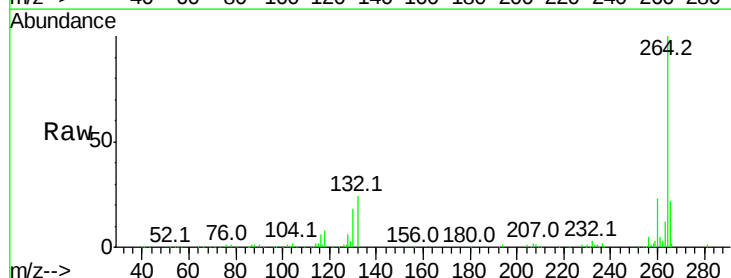
Tgt Ion:264 Resp: 163131

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.8 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

