

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099145.D
 Acq On : 6 Oct 2017 13:31
 Operator : SJ/JU
 Sample : I5616-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 14:33:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

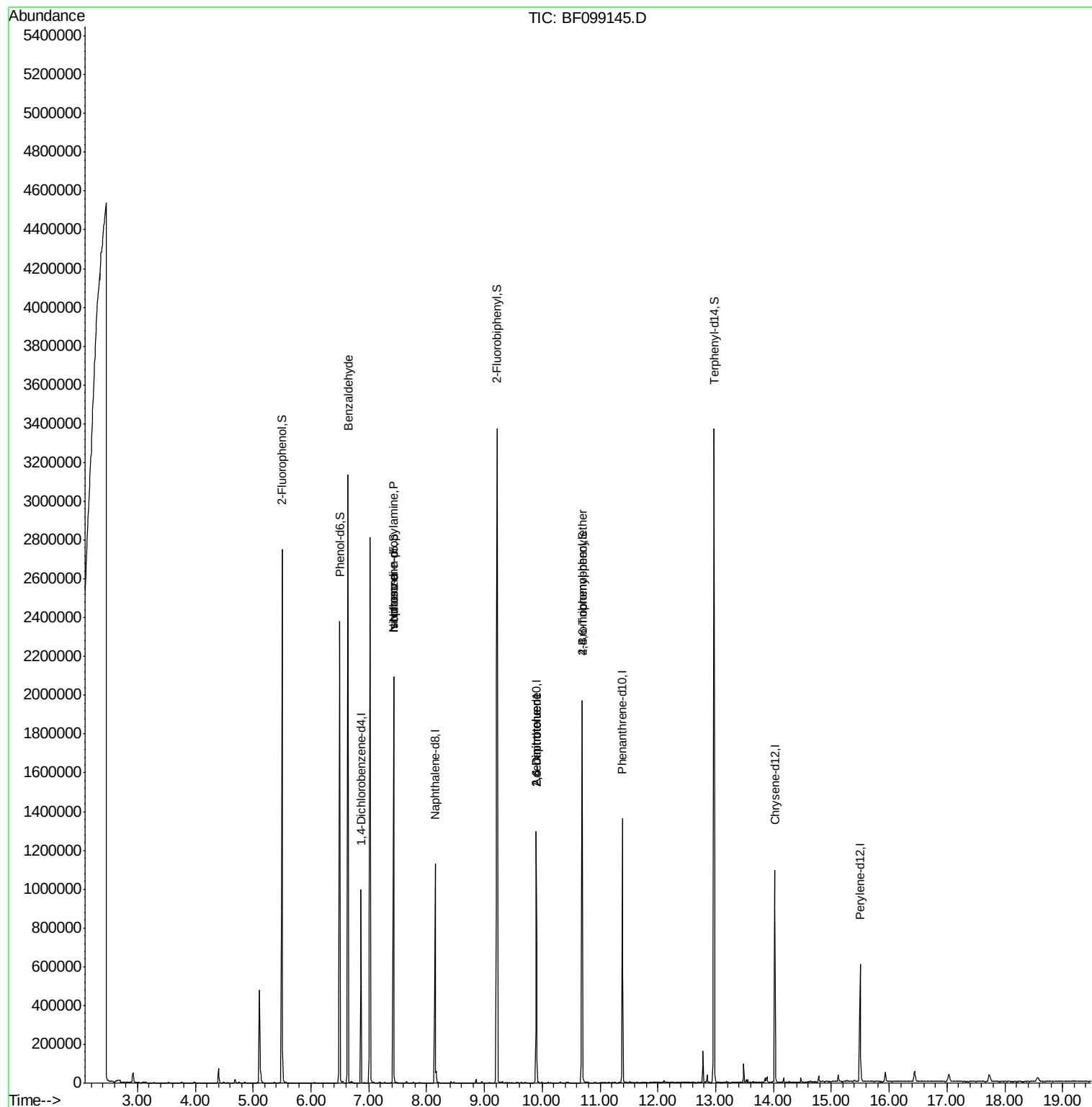
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	132356	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	553541	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	251175	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	448513	20.00	ng	0.00
75) Chrysene-d12	14.02	240	356974	20.00	ng	-0.01
86) Perylene-d12	15.50	264	253044	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	868329	104.44	ng	0.02
7) Phenol-d6	6.50	99	905171	88.25	ng	0.00
23) Nitrobenzene-d5	7.43	82	738852	85.60	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	263147	128.03	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1320408	87.76	ng	0.00
78) Terphenyl-d14	12.97	244	1210204	77.10	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	18827	3.164	ng	89
19) n-Nitroso-di-n-propylamine	7.43	70	94641	14.452	ng	# 74
25) Isophorone	7.43	82	738819	41.400	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	32394	7.849	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	32394	6.048	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	17512	3.989	ng	# 1

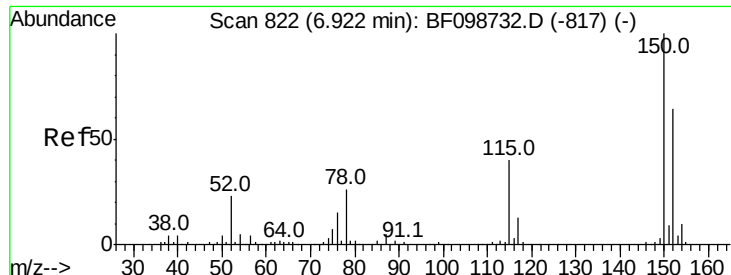
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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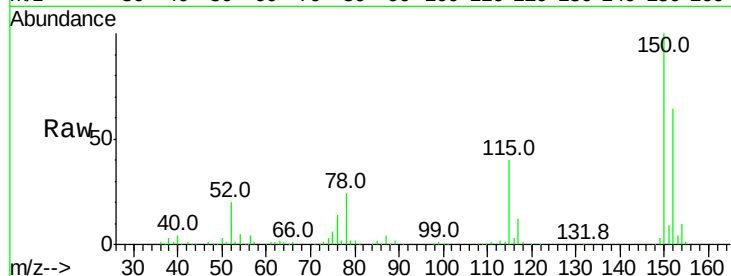


#1

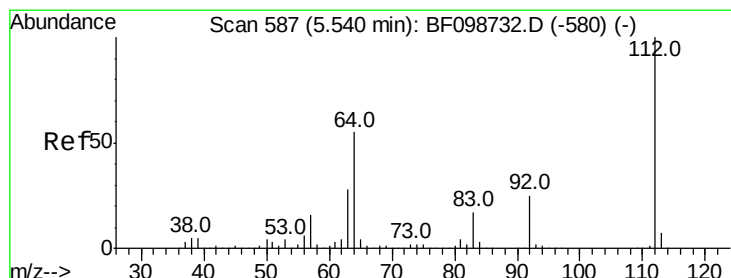
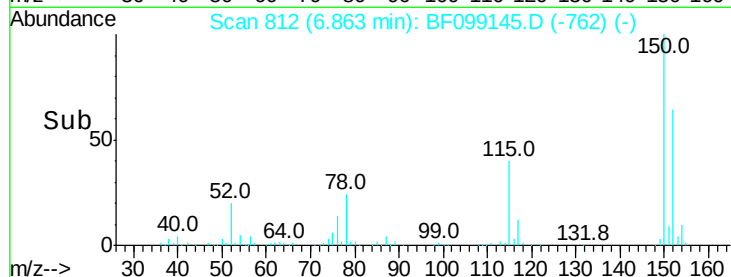
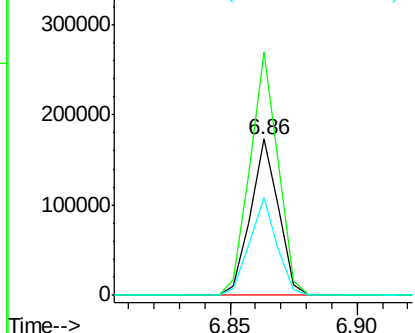
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099145.D
Acq: 6 Oct 2017 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132356
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 62.5 50.1 75.1



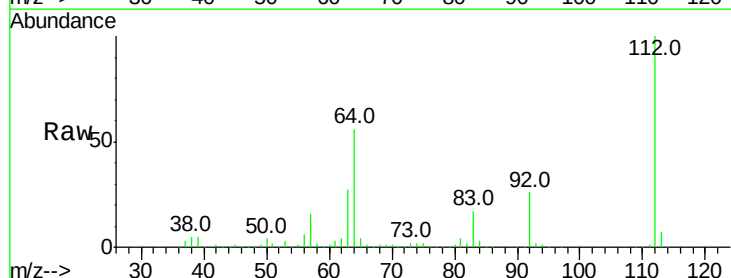
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



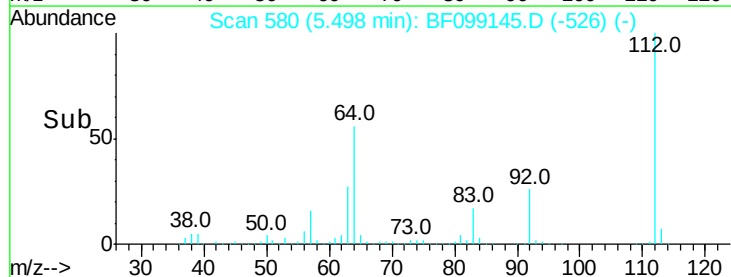
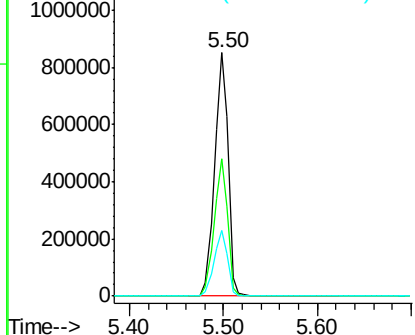
#5

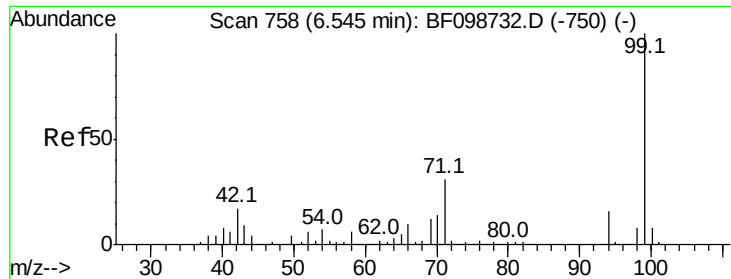
2-Fluorophenol
Concen: 104.438 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF099145.D
Acq: 6 Oct 2017 13:31

Tgt Ion:112 Resp: 868329
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 27.0 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: 88.252 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099145.D

Acq: 6 Oct 2017 13:31

Instrument :

BNA_F

ClientSampled :

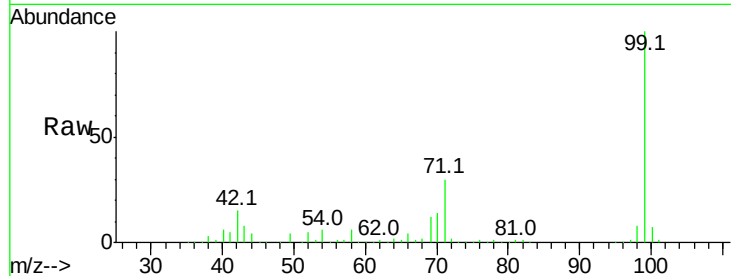
Tot Ion: 99 Resp: 905171

Ion Ratio Lower Upper

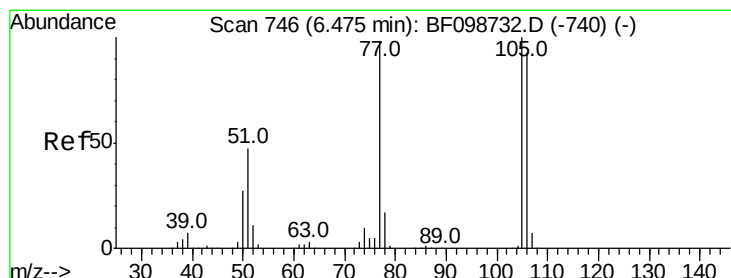
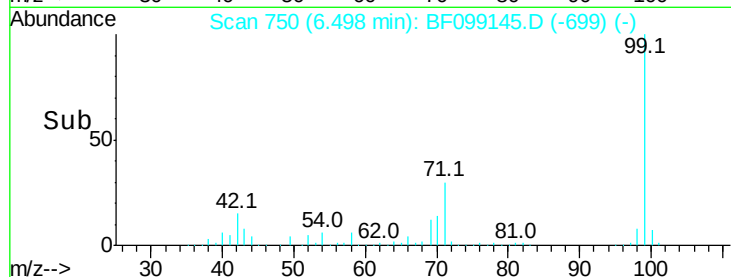
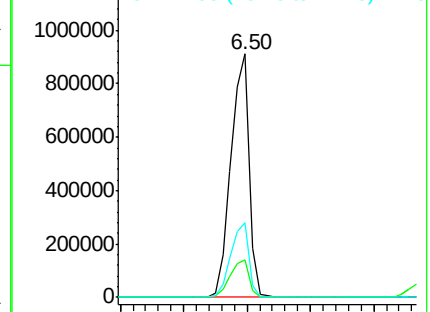
99 100

42 15.5 14.5 21.7

71 30.5 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: 3.164 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099145.D

Acq: 6 Oct 2017 13:31

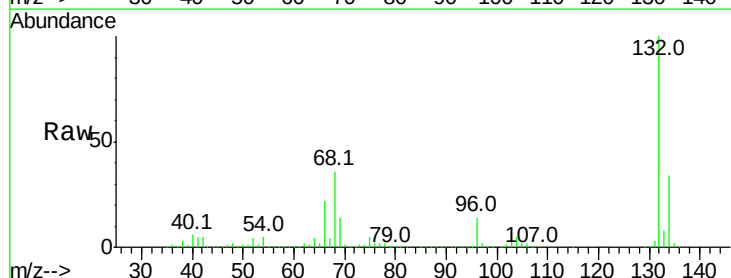
Tgt Ion: 77 Resp: 18827

Ion Ratio Lower Upper

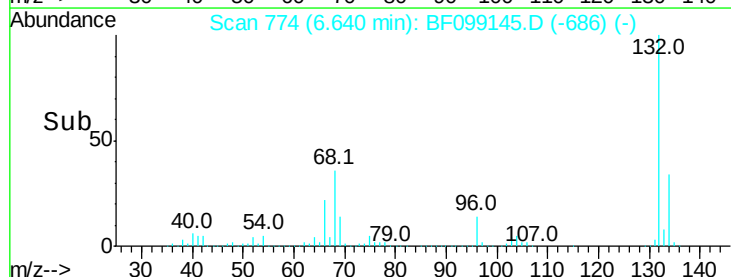
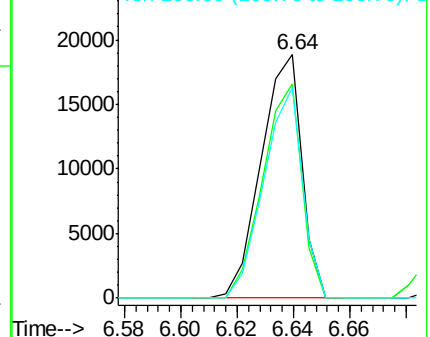
77 100

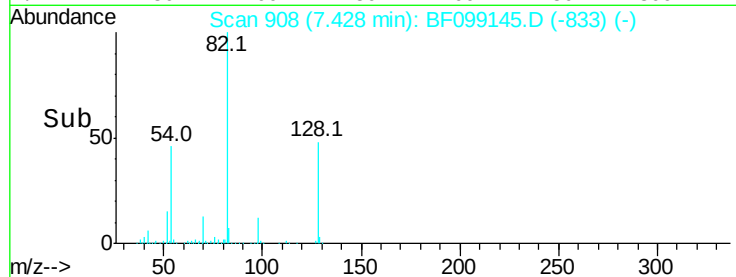
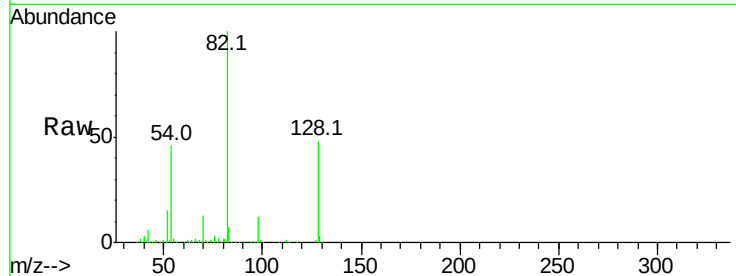
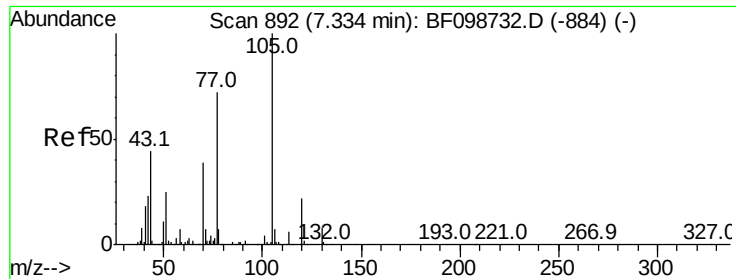
105 88.1 81.1 121.1

106 86.2 74.5 114.5



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

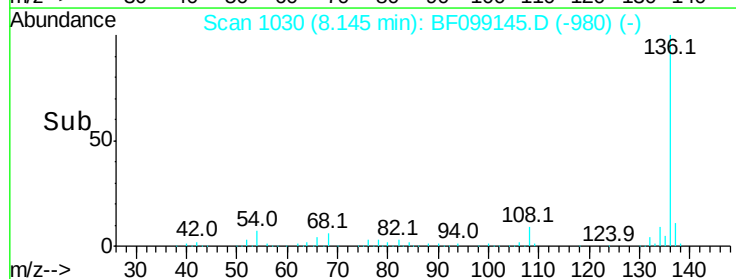
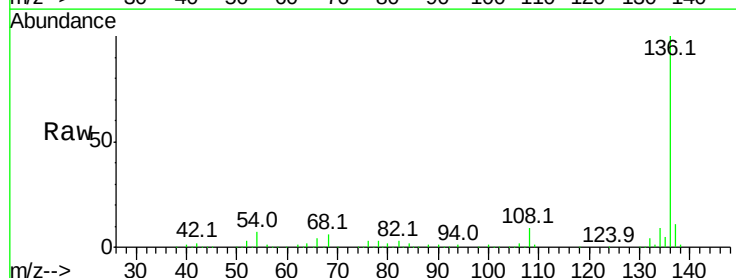
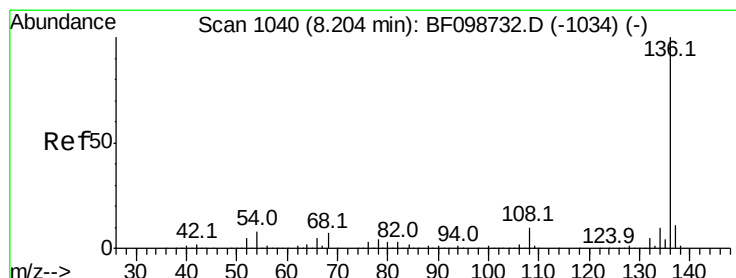
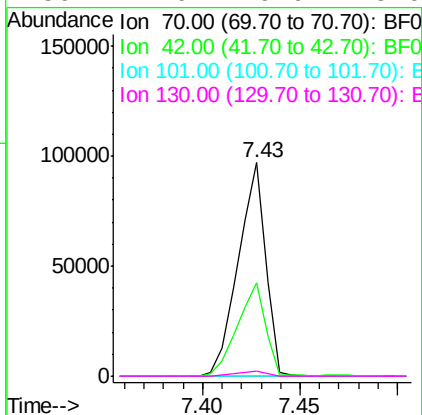




#19
n-Nitroso-di-n-propylamine
Concen: 14.452 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099145.D
Acq: 6 Oct 2017 13:31

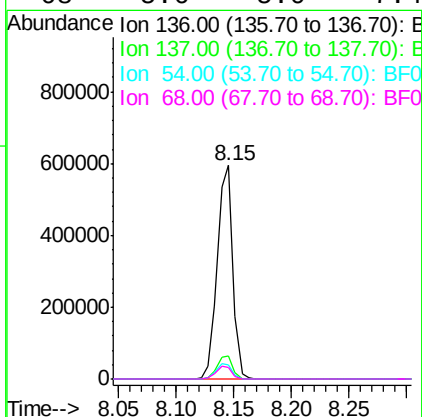
Instrument :
BNA_F
ClientSampleId :

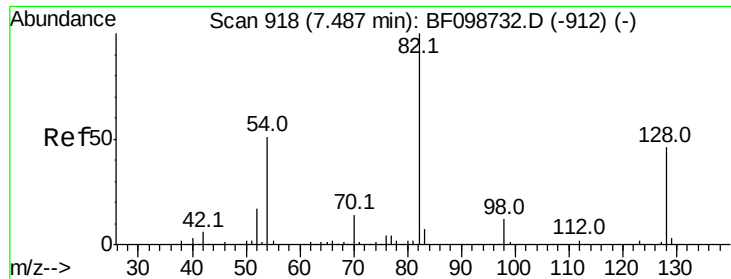
Tot Ion	70	Resp	94641
Ion	Ratio	Lower	Upper
70	100		
42	43.7	47.5	71.3#
101	0.0	7.4	11.2#
130	2.6	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099145.D
Acq: 6 Oct 2017 13:31

Tgt Ion	136	Resp	553541
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.6	6.6	9.8
68	5.6	5.0	7.4

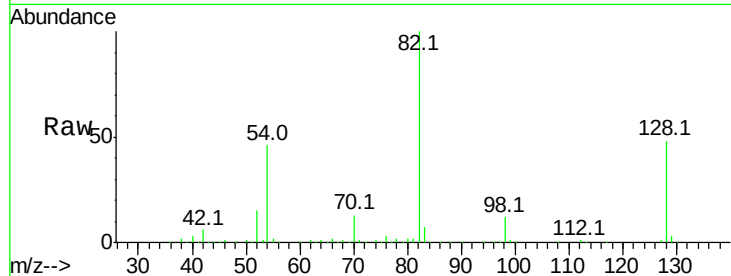




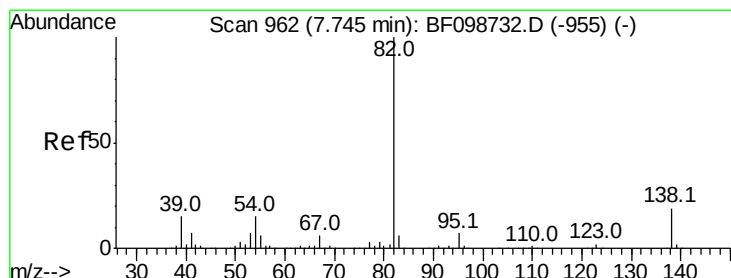
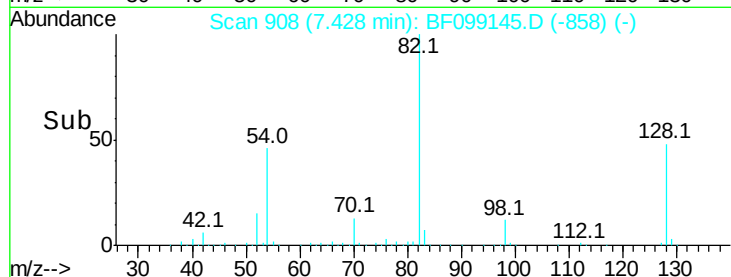
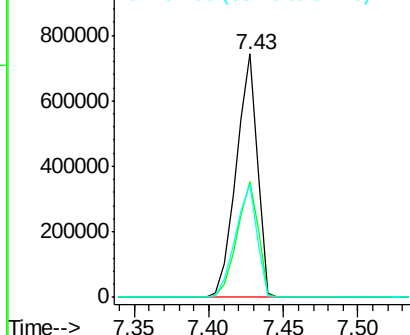
#23
Nitrobenzene-d5
Concen: 85.599 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099145.D
Acq: 6 Oct 2017 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	46.4	41.4	62.2

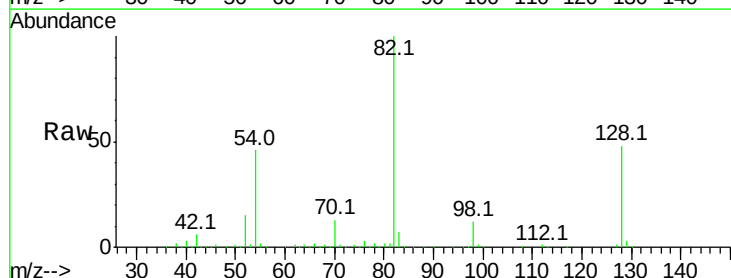


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

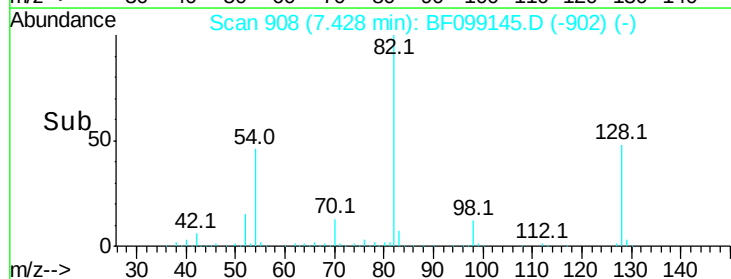
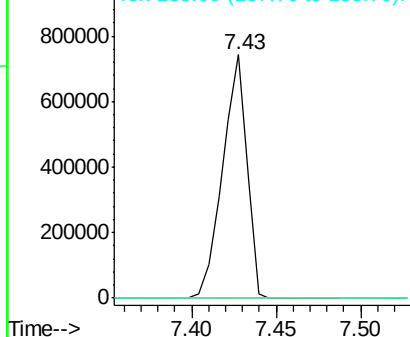


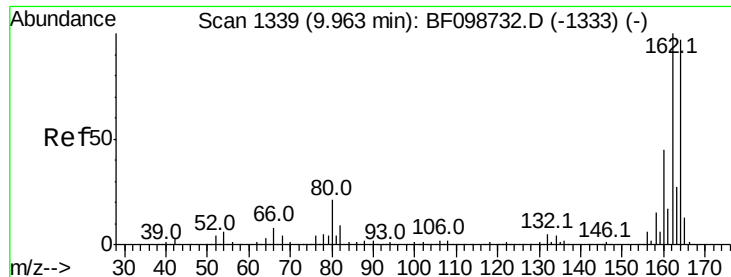
#25
Isophorone
Concen: 41.400 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF099145.D
Acq: 6 Oct 2017 13:31

Tgt 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

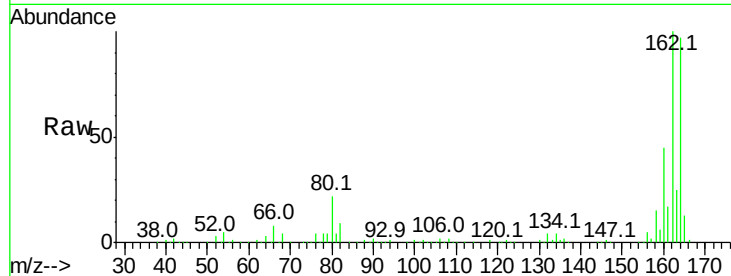




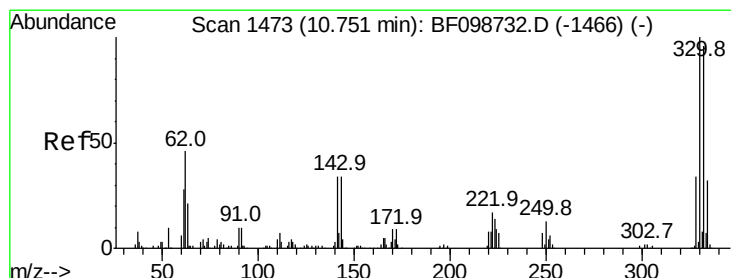
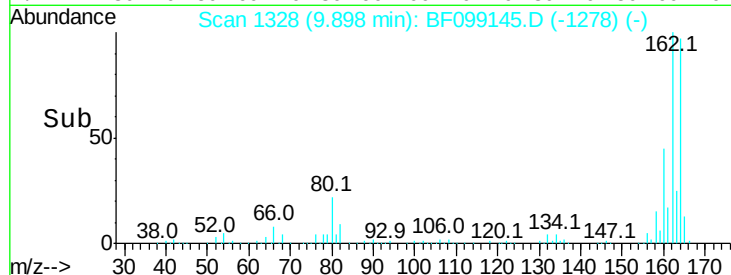
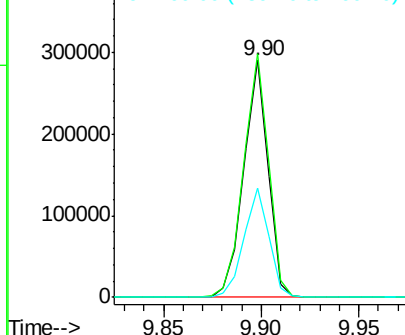
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099145.D
 Acq: 6 Oct 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	46.3	38.3	57.5

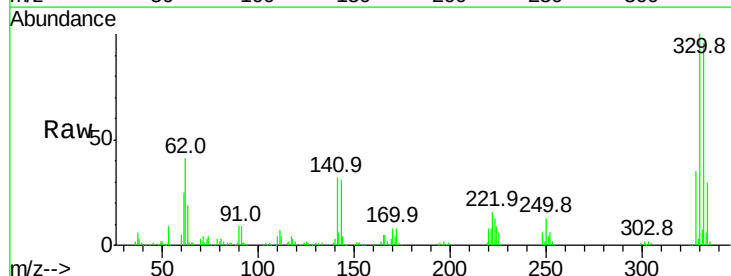


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

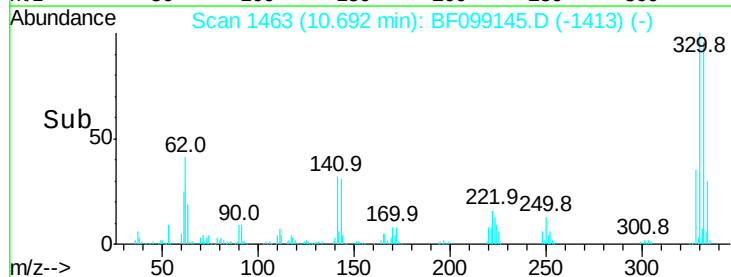
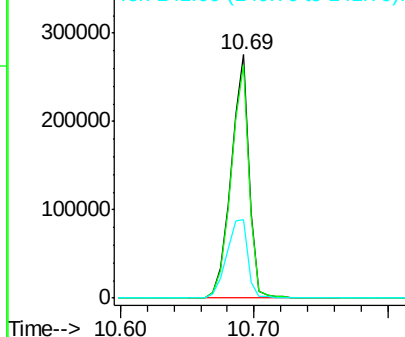


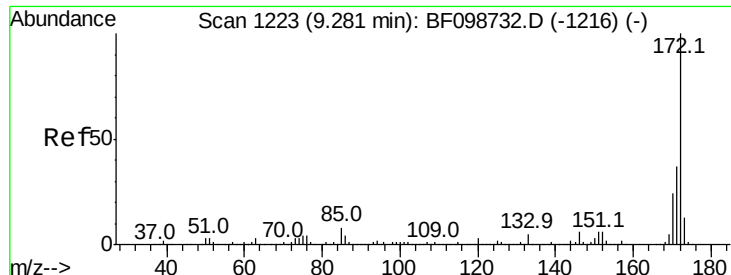
#41
 2,4,6-Tribromophenol
 Concen: 128.034 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099145.D
 Acq: 6 Oct 2017 13:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	38.1	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



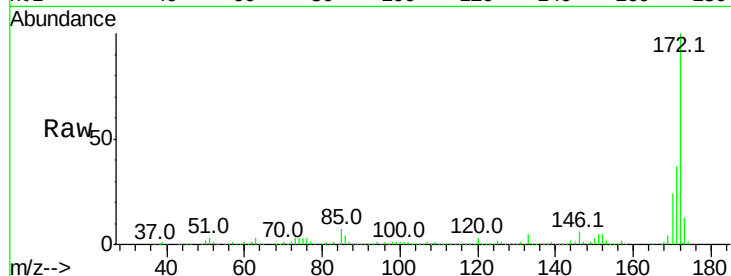


#44
 2-Fluorobiphenyl
 Concen: 87.760 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099145.D
 Acq: 6 Oct 2017 13:31

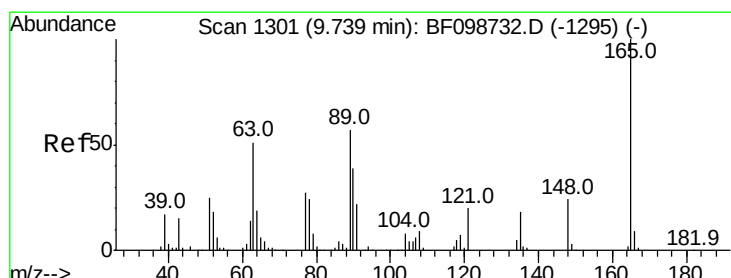
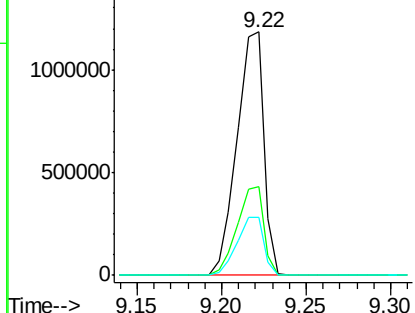
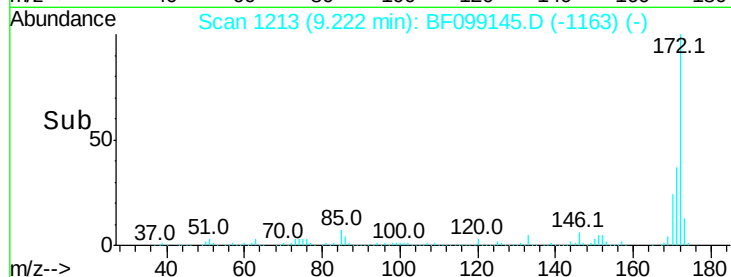
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1320408

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	19.6	29.4



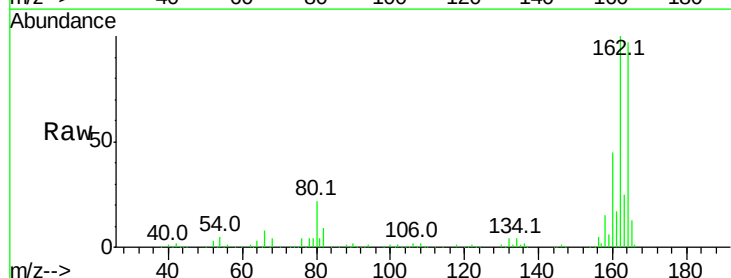
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



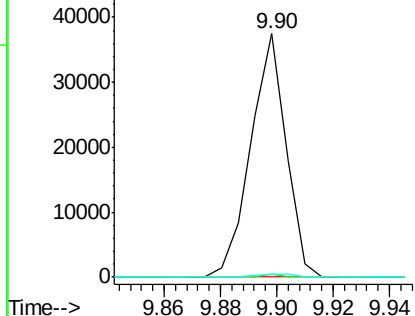
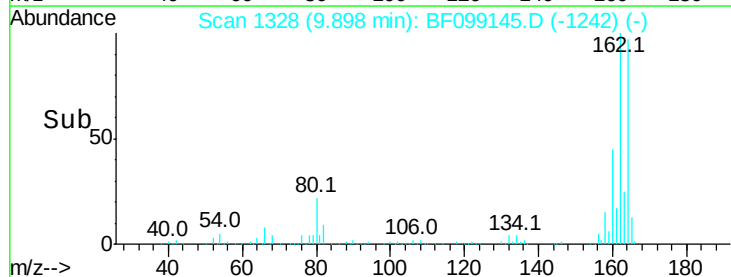
#50
 2,6-Dinitrotoluene
 Concen: 7.849 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099145.D
 Acq: 6 Oct 2017 13:31

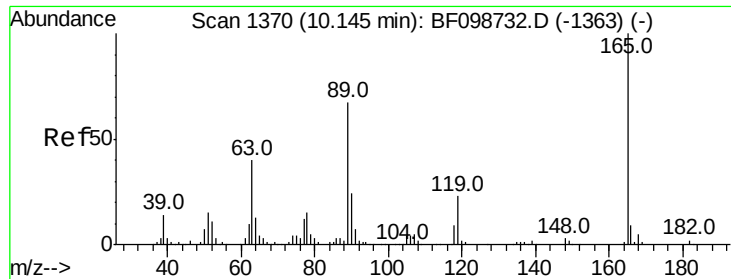
Tgt Ion:165 Resp: 32394

Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.1	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: 6.048 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099145.D

Acq: 6 Oct 2017 13:31

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 32394

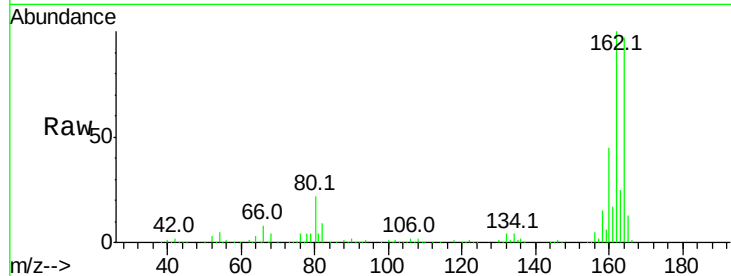
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

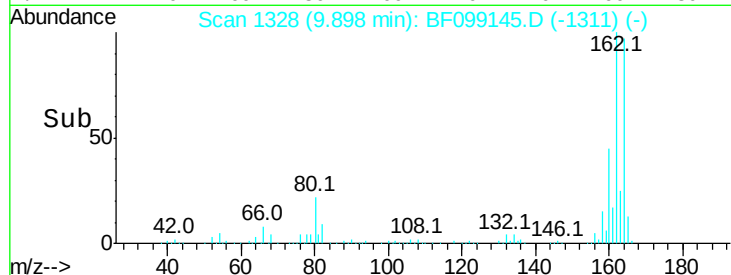


Abundance Ion 165.00 (164.70 to 165.70): E

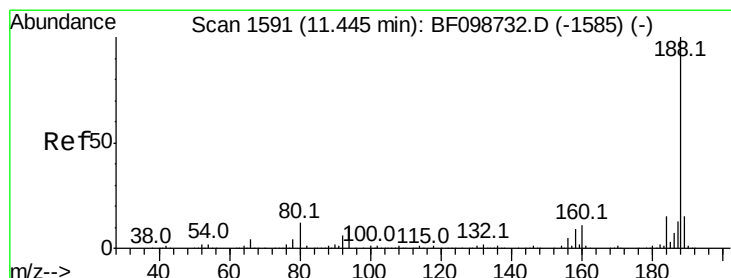
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099145.D

Acq: 6 Oct 2017 13:31

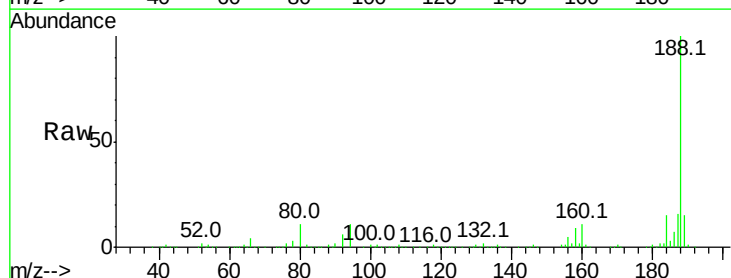
Tgt Ion:188 Resp: 448513

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

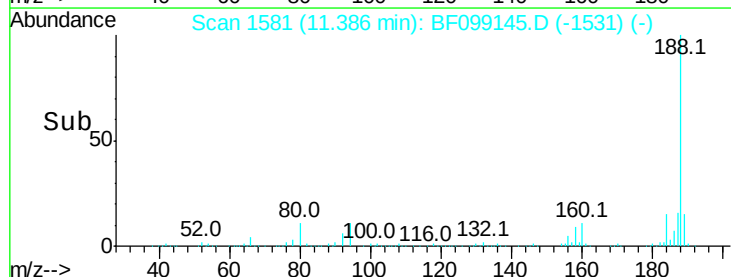
80 11.2 9.2 13.8



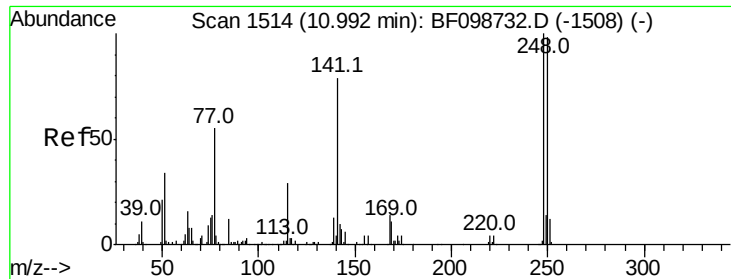
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



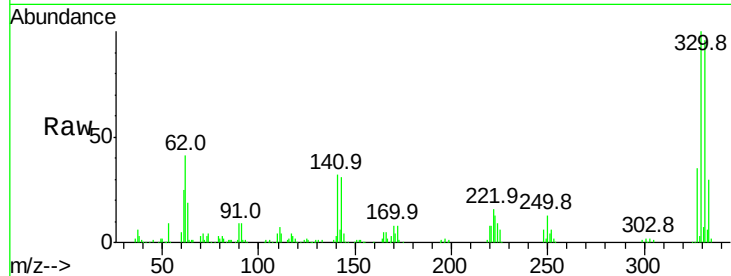
Time-->



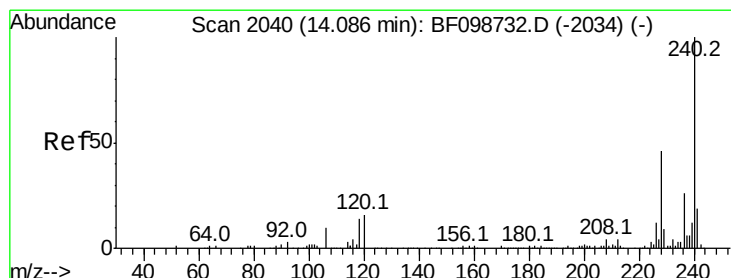
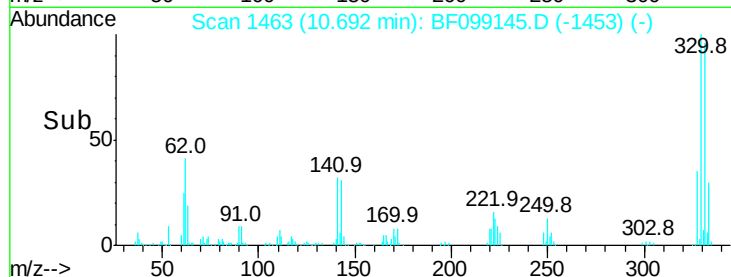
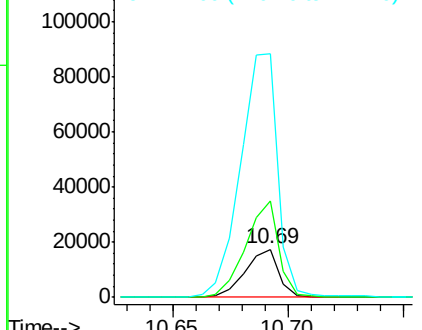
#66
 4-Bromophenyl-phenylether
 Concen: 3.989 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099145.D
 Acq: 6 Oct 2017 13:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17512
 Ion Ratio Lower Upper
 248 100
 250 201.0 76.9 115.3#
 141 508.3 74.4 111.6#

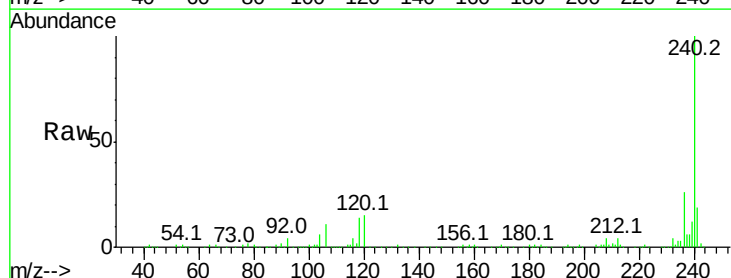


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

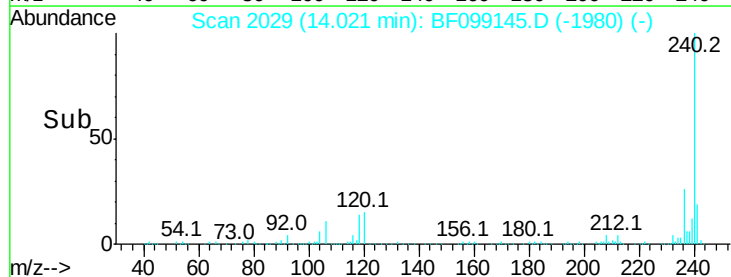
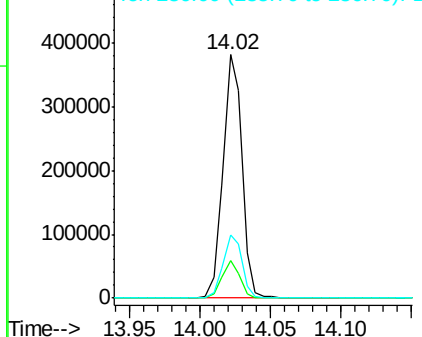


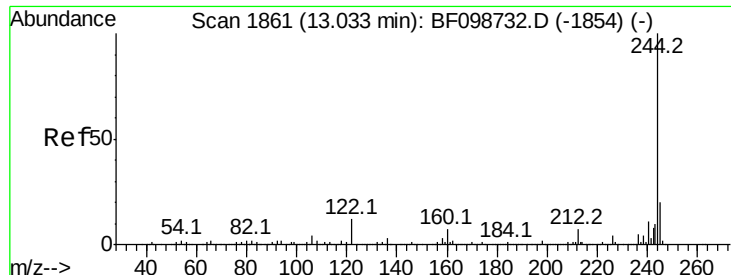
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF099145.D
 Acq: 6 Oct 2017 13:31

Tgt Ion:240 Resp: 356974
 Ion Ratio Lower Upper
 240 100
 120 15.5 9.5 14.3#
 236 25.9 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: 77.099 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099145.D

Acq: 6 Oct 2017 13:31

Instrument :

BNA_F

ClientSampleId :

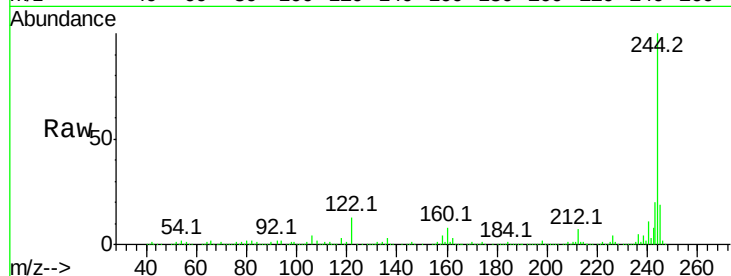
Tot Ion:244 Resp: 1210204

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

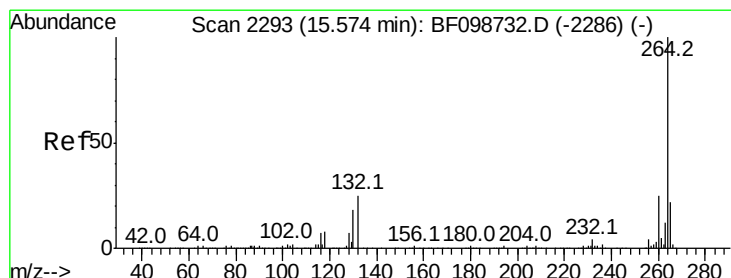
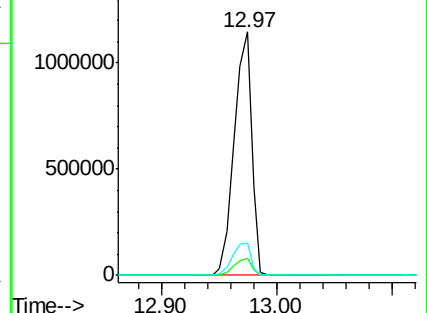
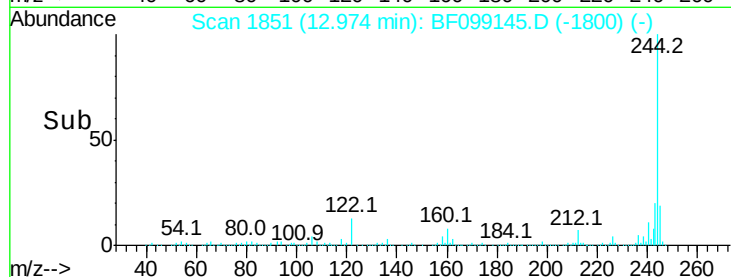
122 13.2 11.0 16.4



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: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF099145.D

Acq: 6 Oct 2017 13:31

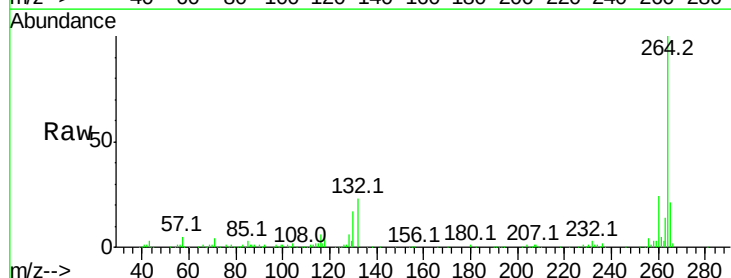
Tgt Ion:264 Resp: 253044

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.2 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

