

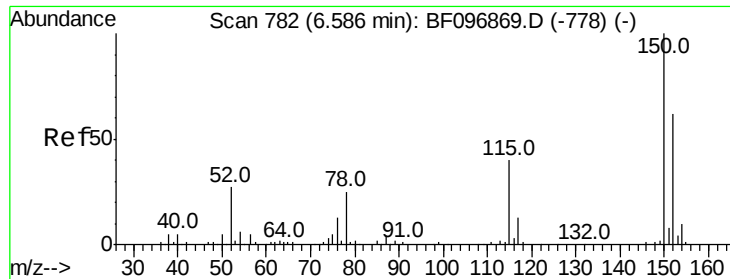
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096897.D
 Acq On : 20 Jul 2017 9:38
 Operator : SJ/JU
 Sample : I4245-06RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Quant Time: Jul 20 15:26:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	96522	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	394351	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	137669	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	233459	20.00	ng	0.00
75) Chrysene-d12	13.72	240	173535	20.00	ng	-0.01
86) Perylene-d12	15.10	264	127737	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	644004	100.32	ng	0.00
7) Phenol-d6	6.25	99	717528	93.14	ng	0.00
23) Nitrobenzene-d5	7.16	82	474752	74.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	140304	119.40	ng	-0.01
44) 2-Fluorobiphenyl	8.95	172	831770	95.46	ng	-0.01
78) Terphenyl-d14	12.69	244	582677	58.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	63603	13.704	ng	# 86
25) Isophorone	7.16	82	471917	39.846	ng	# 67
49) Dimethylphthalate	9.62	163	41618	4.015	ng	# 1
50) 2,6-Dinitrotoluene	9.62	165	18310	8.155	ng	# 33
56) 2,4-Dinitrotoluene	9.62	165	18310	6.346	ng	# 32
66) 4-Bromophenyl-phenylether	10.41	248	8833	3.706	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.39	276	129	3.340	ng	# 20

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

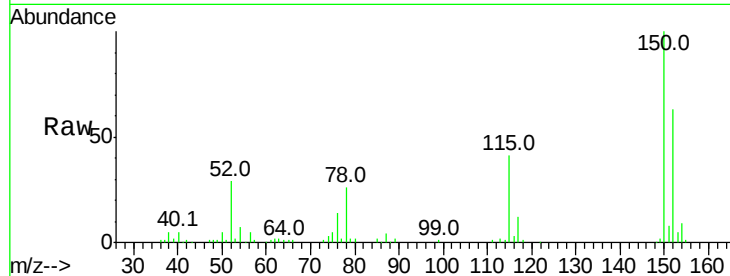


#1

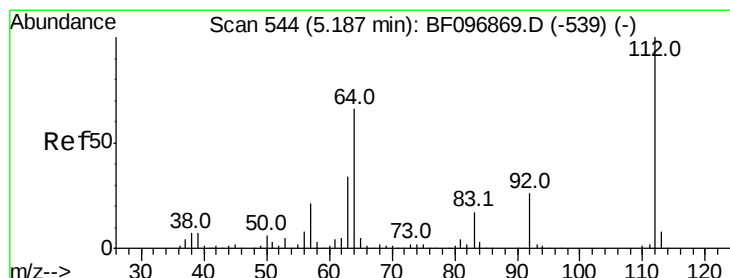
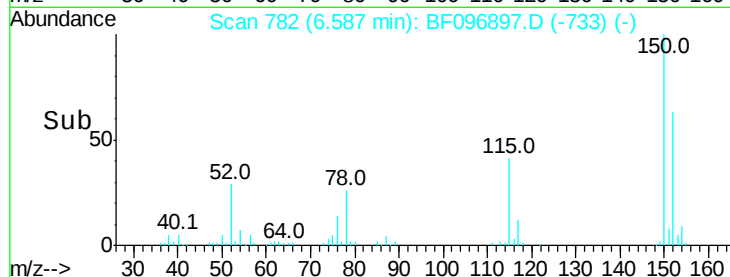
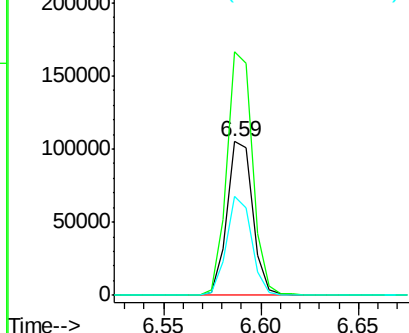
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096897.D
Acq: 20 Jul 2017 9:38

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion:152 Resp: 96522
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 64.4 52.2 78.2



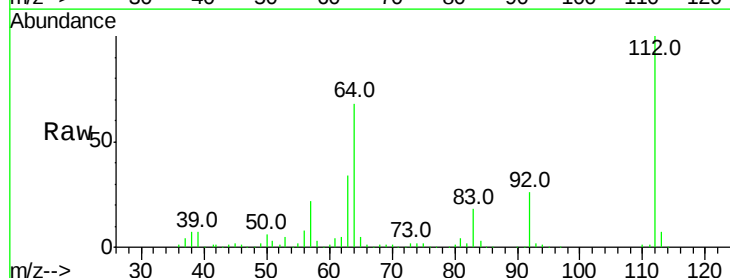
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



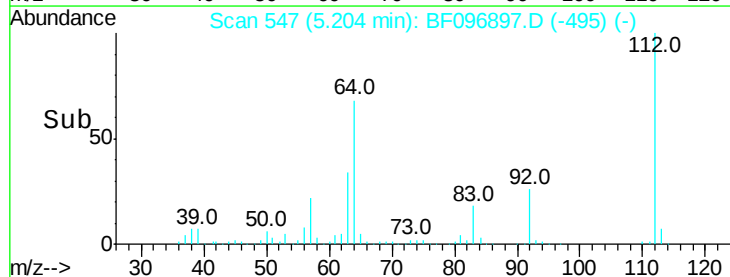
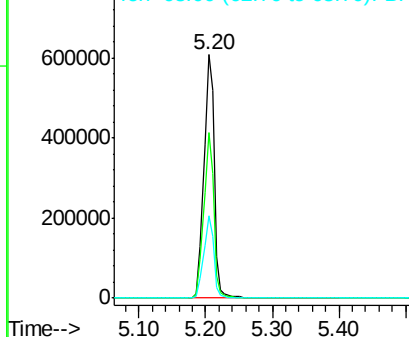
#5

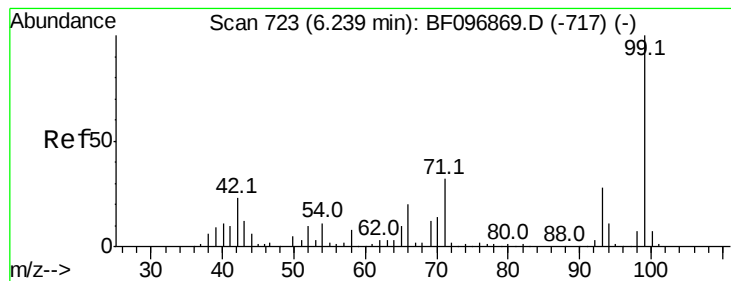
2-Fluorophenol
Concen: 100.321 ng
RT: 5.20 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF096897.D
Acq: 20 Jul 2017 9:38

Tgt Ion:112 Resp: 644004
Ion Ratio Lower Upper
112 100
64 67.8 46.0 69.0
63 33.9 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: 93.143 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

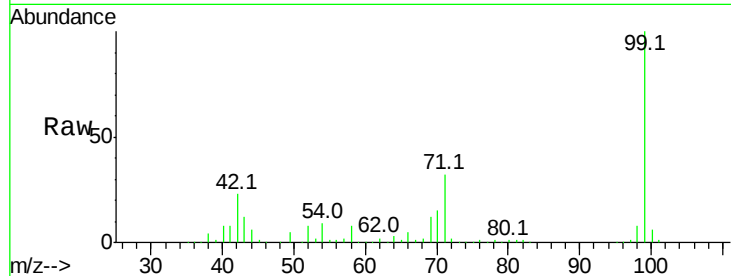
Tot Ion: 99 Resp: 717528

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

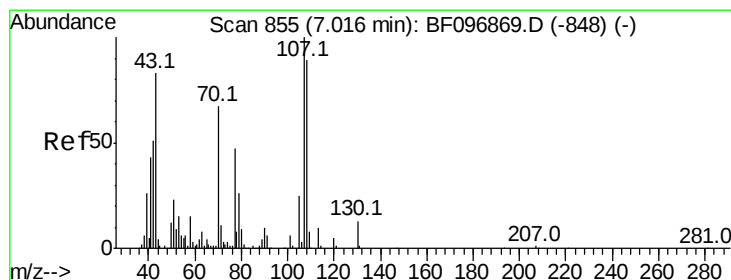
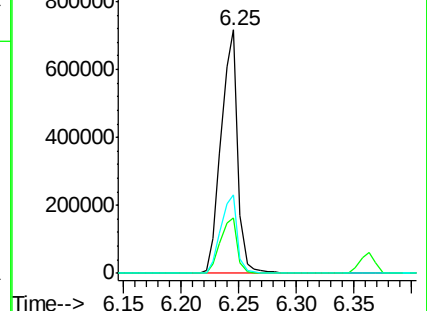
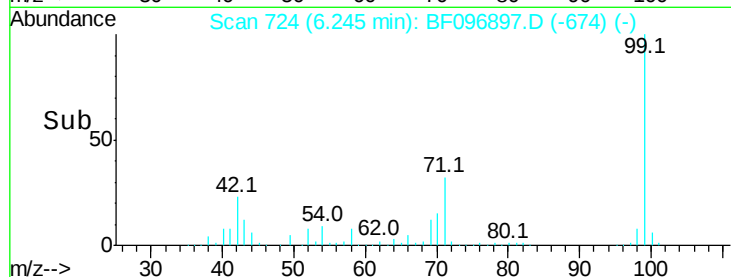
71 32.1 24.5 36.7



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: 13.704 ng

RT: 7.16 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

Tgt Ion: 70 Resp: 63603

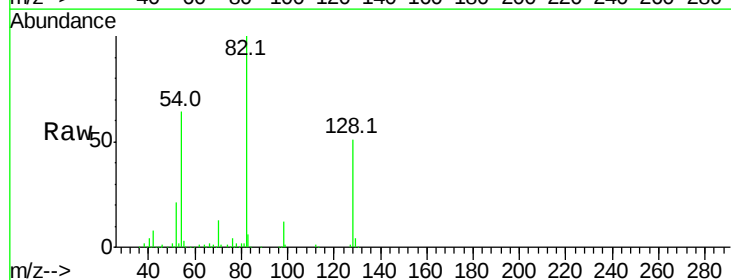
Ion Ratio Lower Upper

70 100

42 56.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

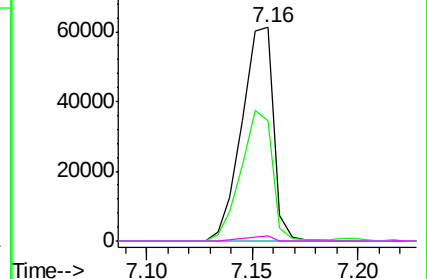
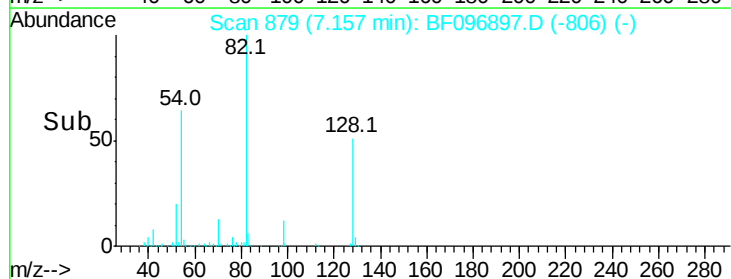


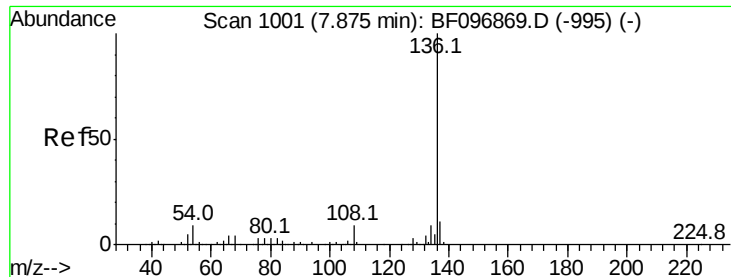
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

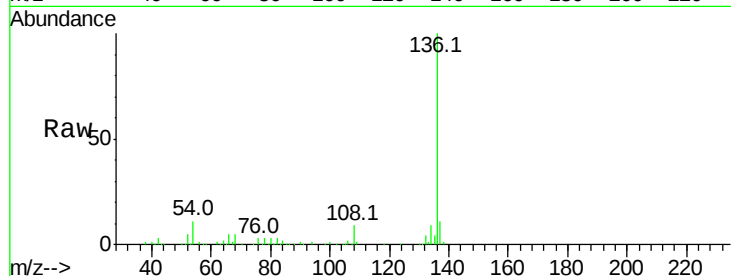




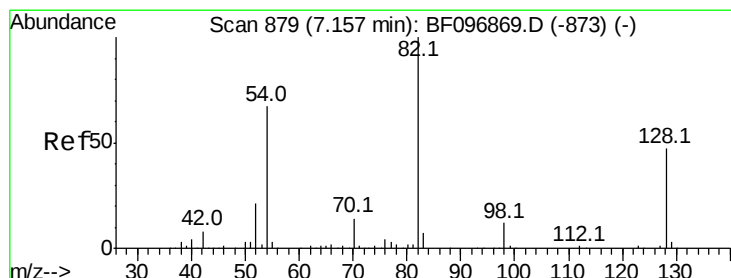
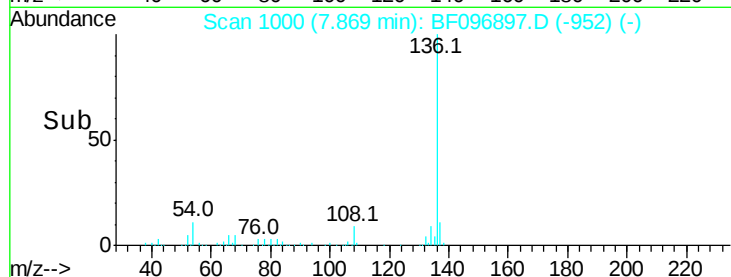
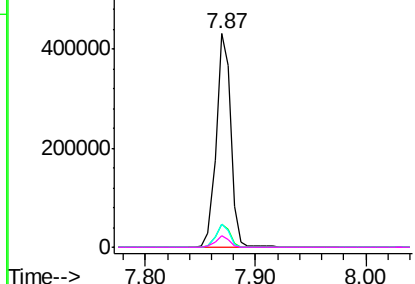
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096897.D
Acq: 20 Jul 2017 9:38

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.6	4.9	7.3#
68	5.1	4.1	6.1

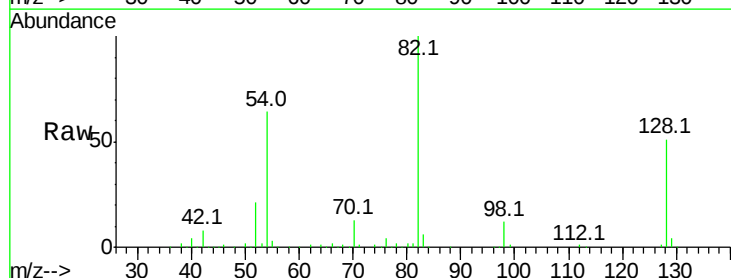


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

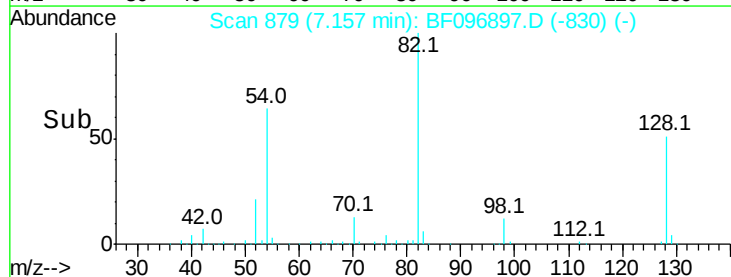
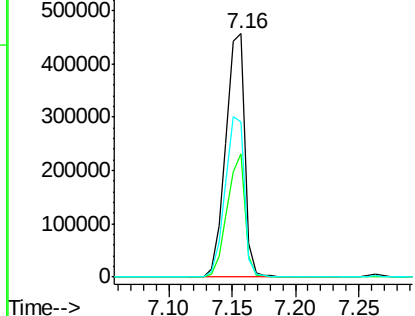


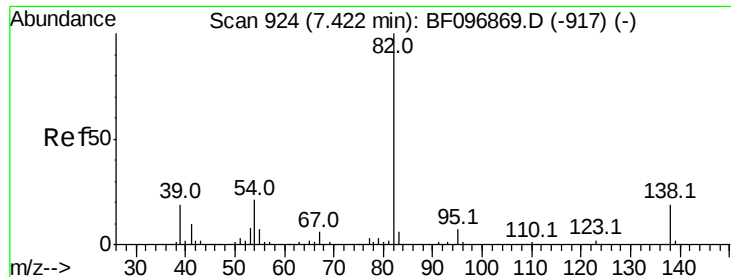
#23
Nitrobenzene-d5
Concen: 74.569 ng
RT: 7.16 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096897.D
Acq: 20 Jul 2017 9:38

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.6	34.0	51.0
54	64.0	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: 39.846 ng

RT: 7.16 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

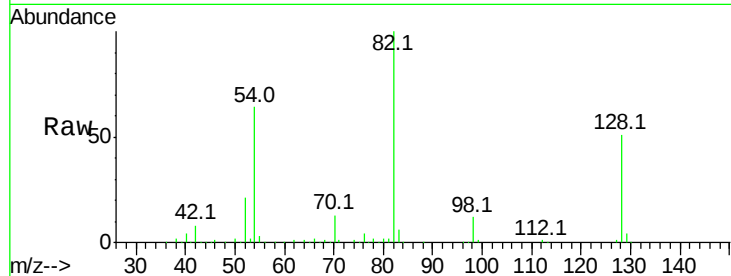
Tot Ion: 82 Resp: 471917

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

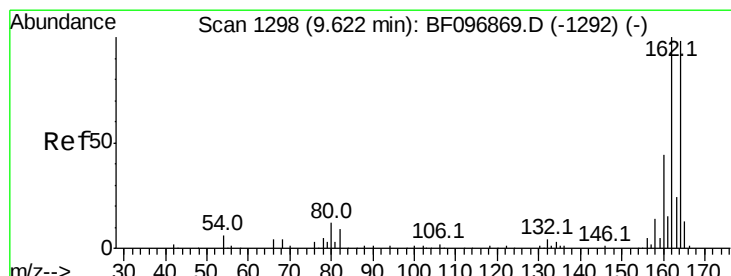
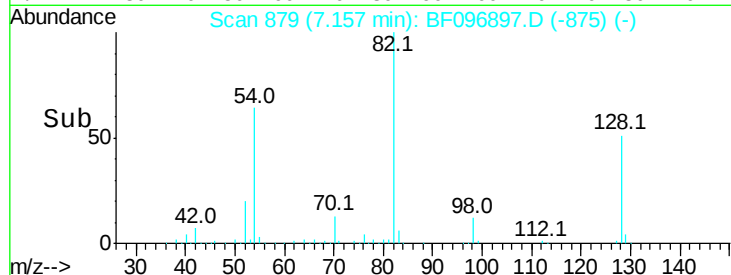
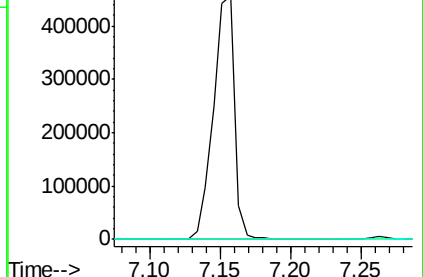
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

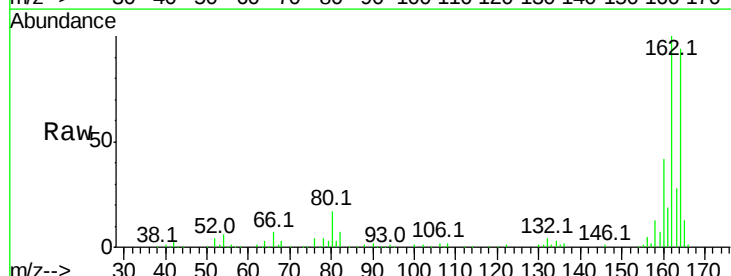
Tgt Ion:164 Resp: 137669

Ion Ratio Lower Upper

164 100

162 106.1 82.6 123.8

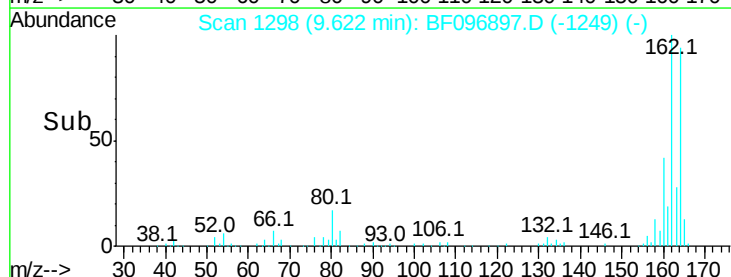
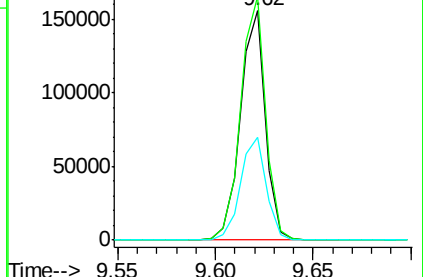
160 44.6 36.2 54.2

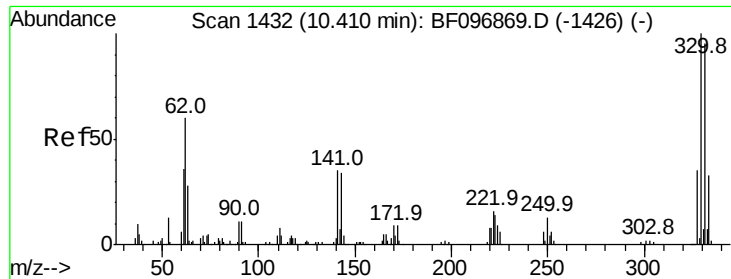


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

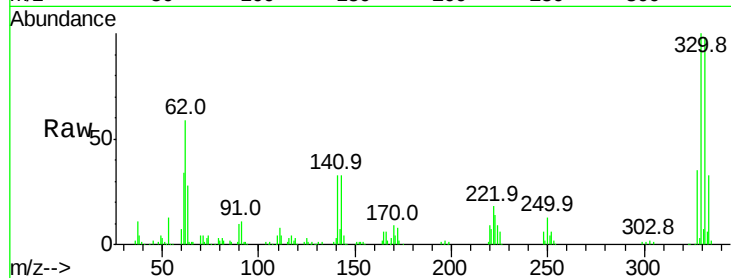




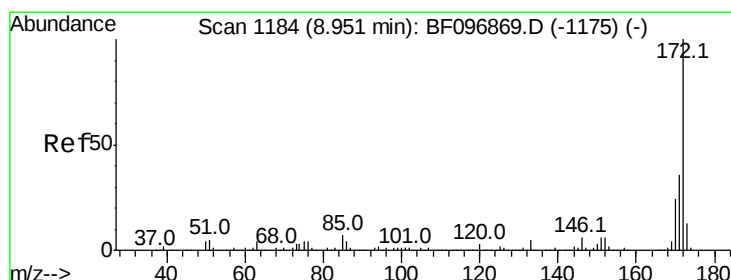
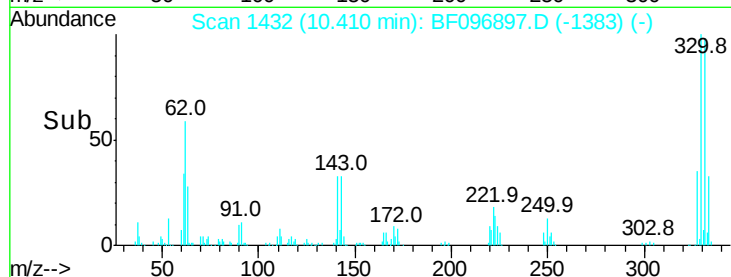
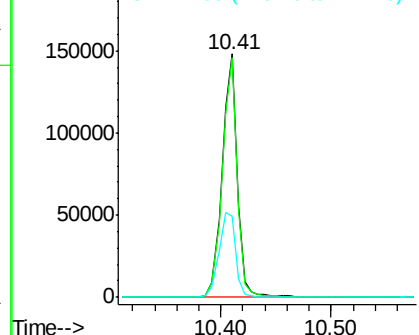
#41
 2,4,6-Tribromophenol
 Concen: 119.395 ng
 RT: 10.41 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF096897.D
 Acq: 20 Jul 2017 9:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	38.3	31.4	47.2

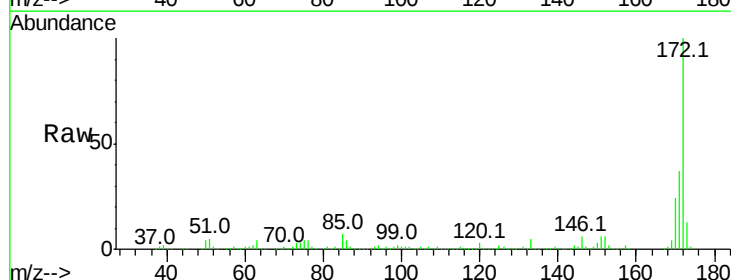


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

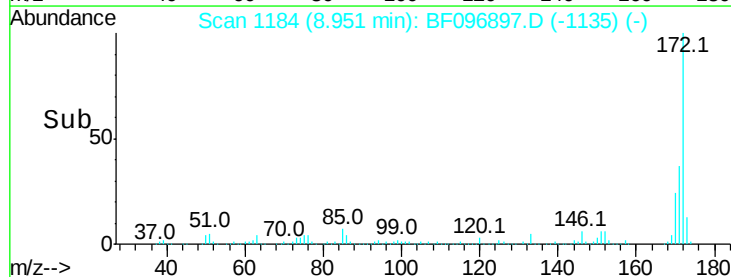
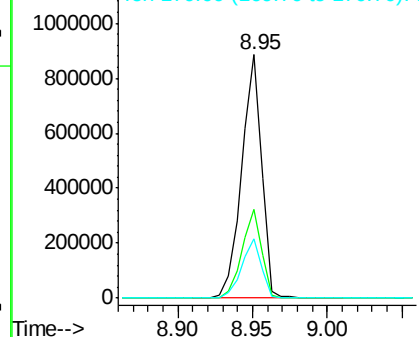


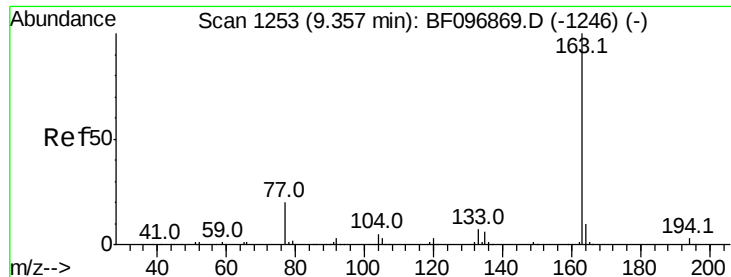
#44
 2-Fluorobiphenyl
 Concen: 95.456 ng
 RT: 8.95 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF096897.D
 Acq: 20 Jul 2017 9:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.4	19.8	29.8



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





#49

Dimethylphthalate

Concen: 4.015 ng

RT: 9.62 min Scan# 1298

Delta R.T. 0.25 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

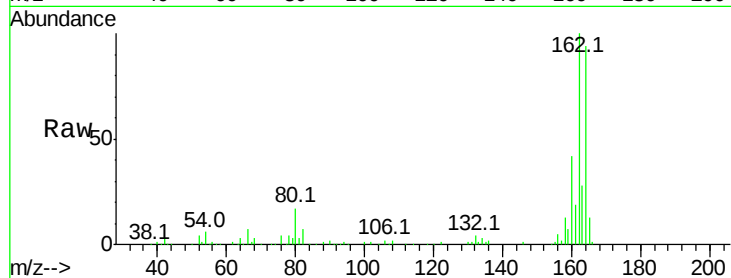
Tot Ion:163 Resp: 41618

Ion Ratio Lower Upper

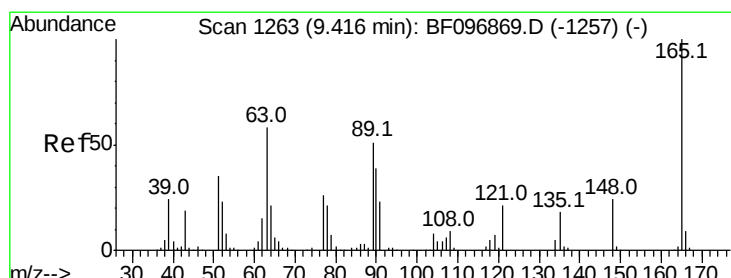
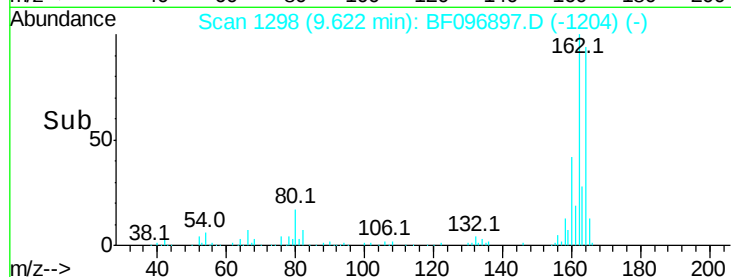
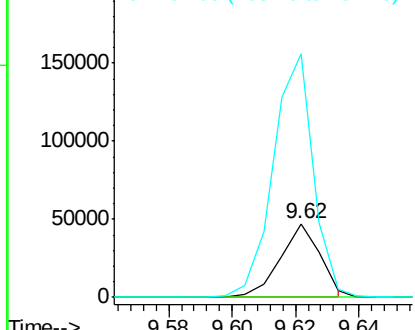
163 100

194 0.0 2.6 4.0#

164 330.9 8.4 12.6#



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



#50

2,6-Dinitrotoluene

Concen: 8.155 ng

RT: 9.62 min Scan# 1298

Delta R.T. 0.19 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

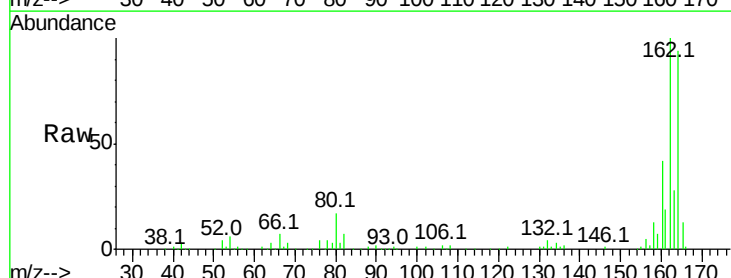
Tgt Ion:165 Resp: 18310

Ion Ratio Lower Upper

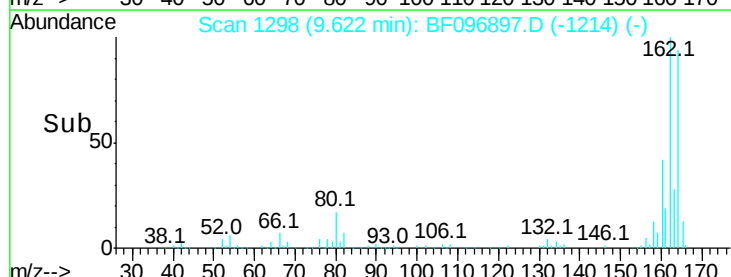
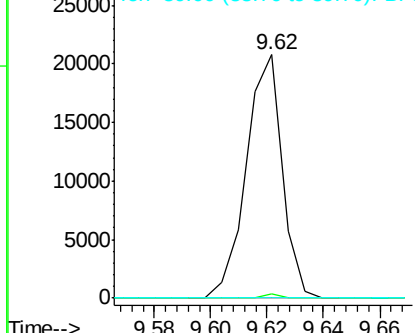
165 100

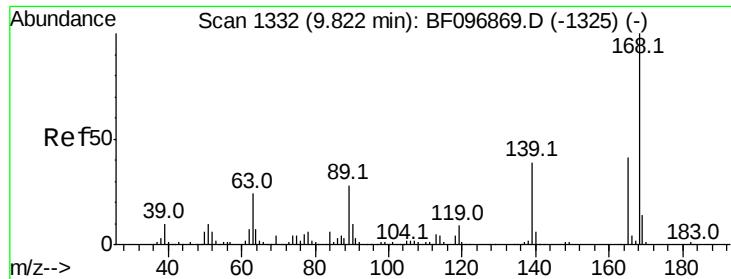
63 1.7 34.3 51.5#

89 0.0 37.1 55.7#



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

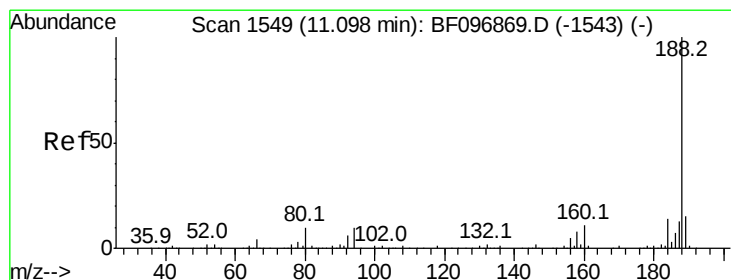
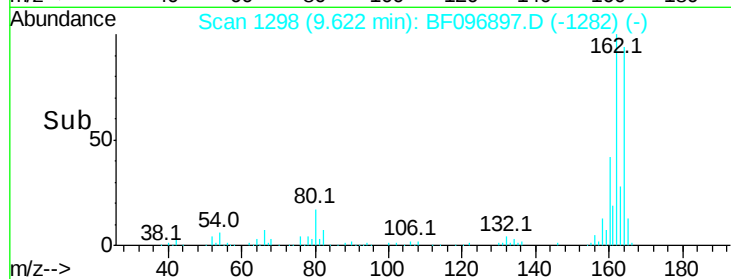
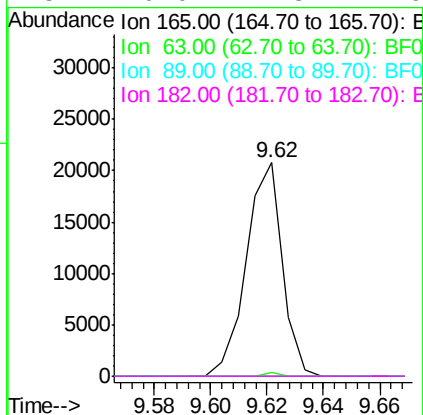
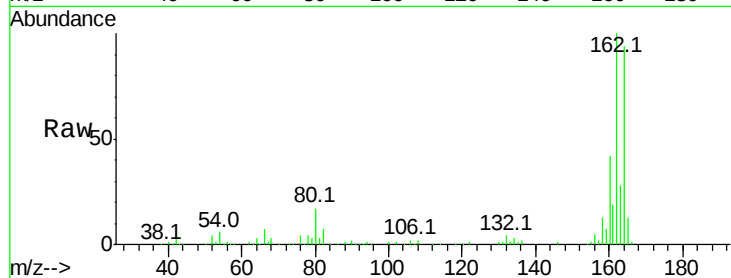




#56
 2,4-Dinitrotoluene
 Concen: 6.346 ng
 RT: 9.62 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF096897.D
 Acq: 20 Jul 2017 9:38

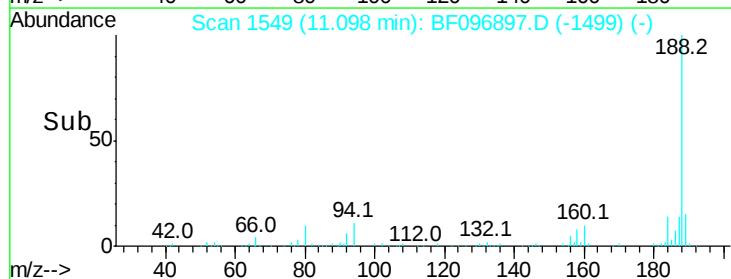
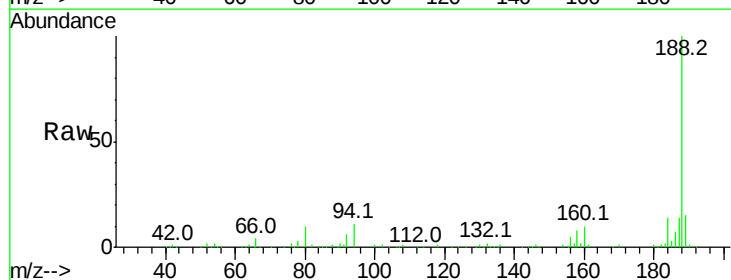
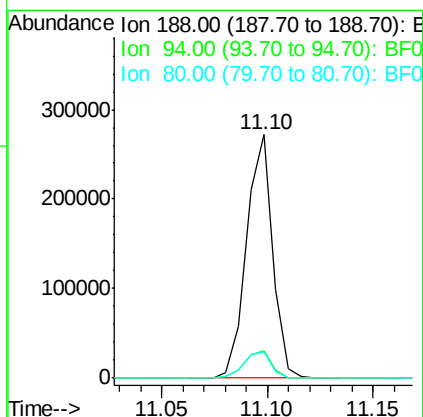
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

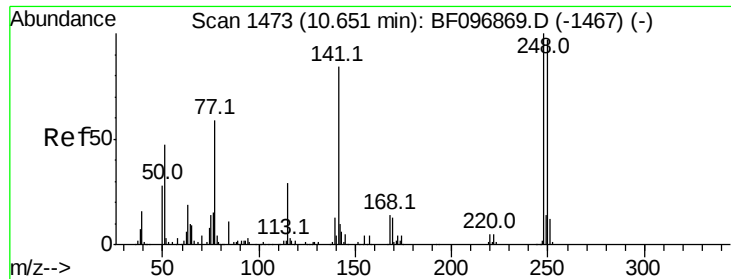
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096897.D
 Acq: 20 Jul 2017 9:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	10.5	10.2	15.2

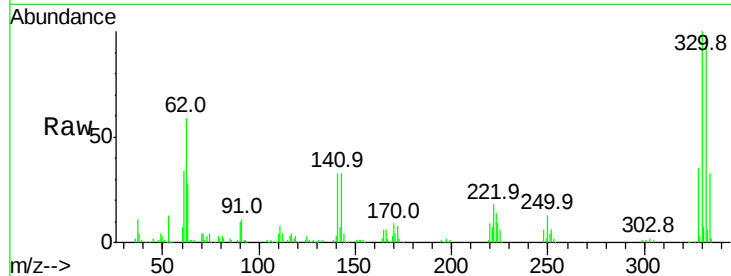




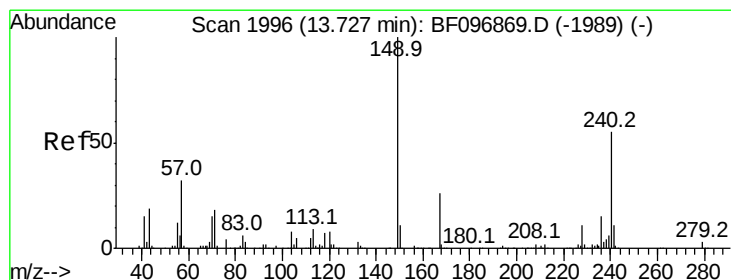
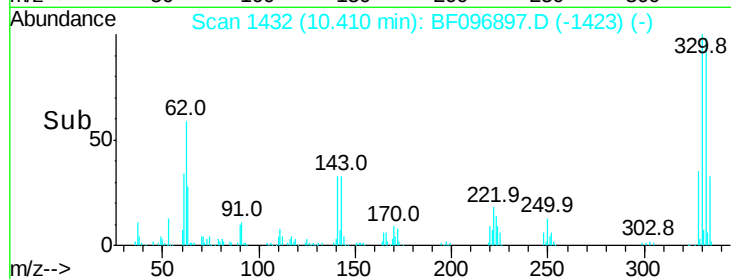
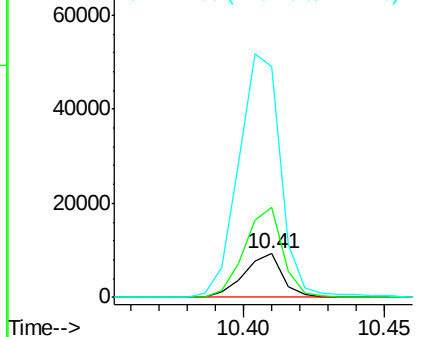
#66
4-Bromophenyl-phenylether
Concen: 3.706 ng
RT: 10.41 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF096897.D
Acq: 20 Jul 2017 9:38

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion:248 Resp: 8833
Ion Ratio Lower Upper
248 100
250 205.1 76.8 115.2#
141 527.9 68.6 103.0#

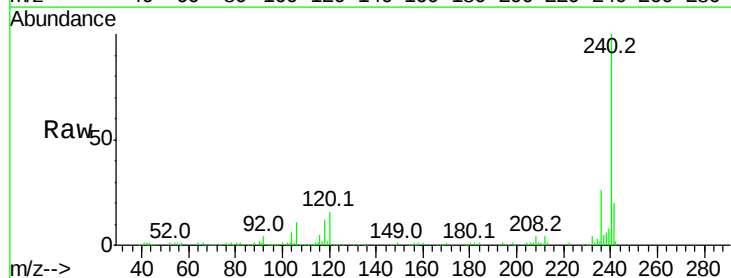


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

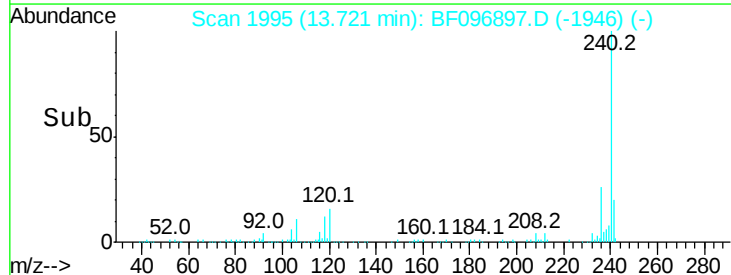
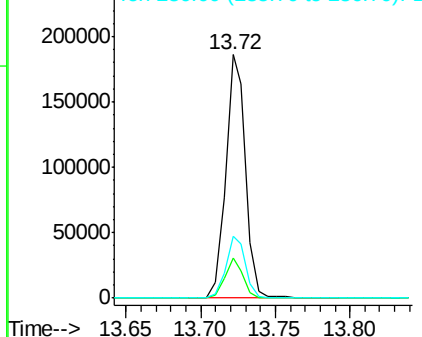


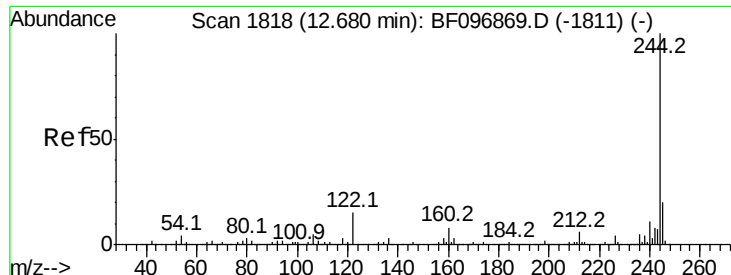
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF096897.D
Acq: 20 Jul 2017 9:38

Tgt Ion:240 Resp: 173535
Ion Ratio Lower Upper
240 100
120 16.4 5.8 8.8#
236 25.6 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: 58.231 ng

RT: 12.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

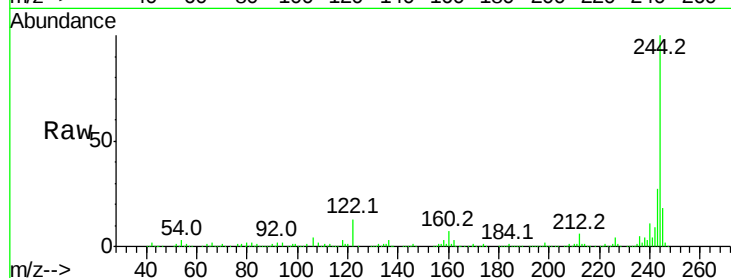
Tot Ion:244 Resp: 582677

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

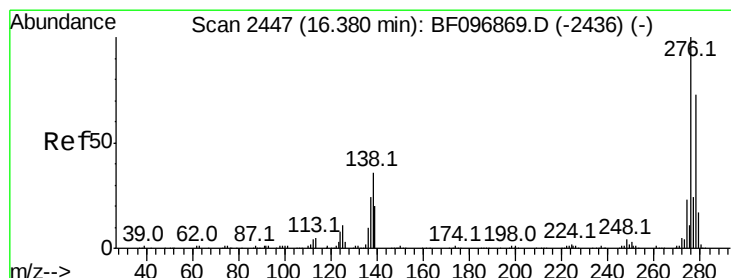
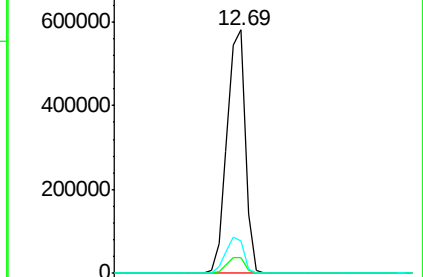
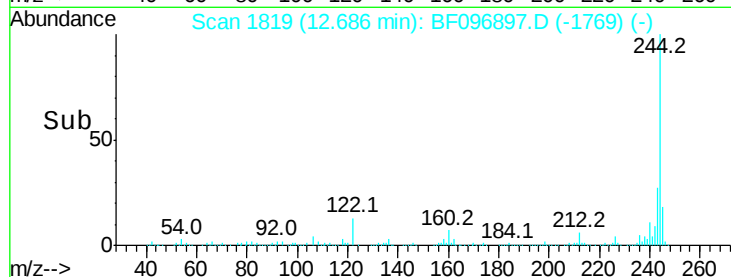
122 13.2 10.3 15.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.340 ng

RT: 16.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF096897.D

Acq: 20 Jul 2017 9:38

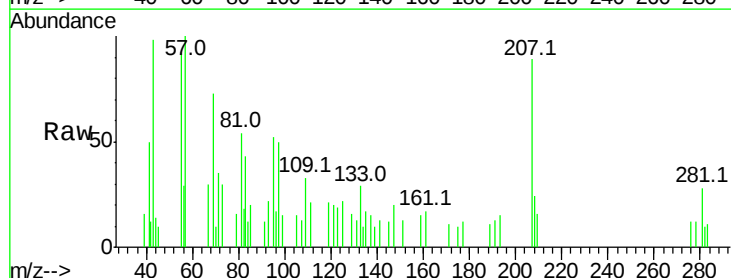
Tgt Ion:276 Resp: 129

Ion Ratio Lower Upper

276 100

138 93.8 27.8 41.6#

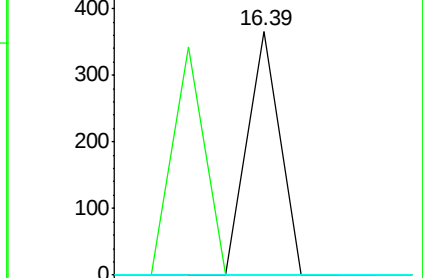
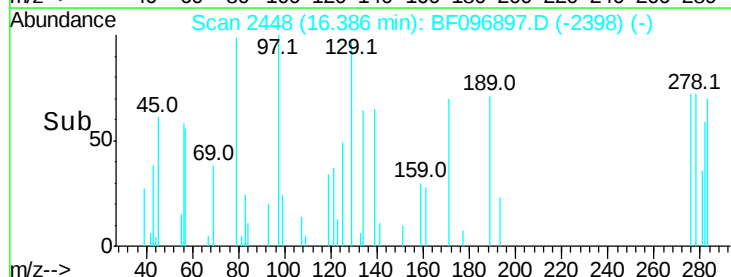
277 0.0 20.2 30.4#

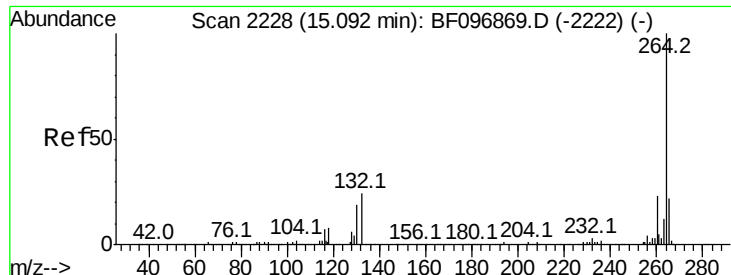


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

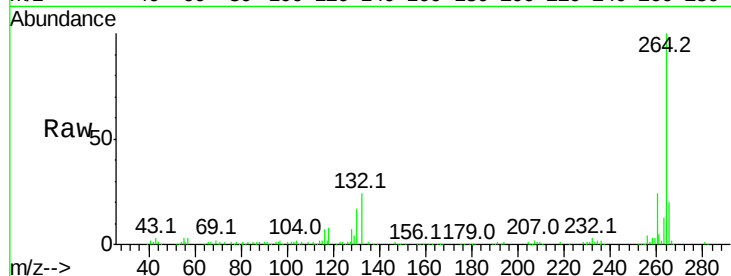




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF096897.D
Acq: 20 Jul 2017 9:38

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	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

