

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096627.D
 Acq On : 11 Jul 2017 3:20
 Operator : SJ/JU
 Sample : I4119-07 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 05:26:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

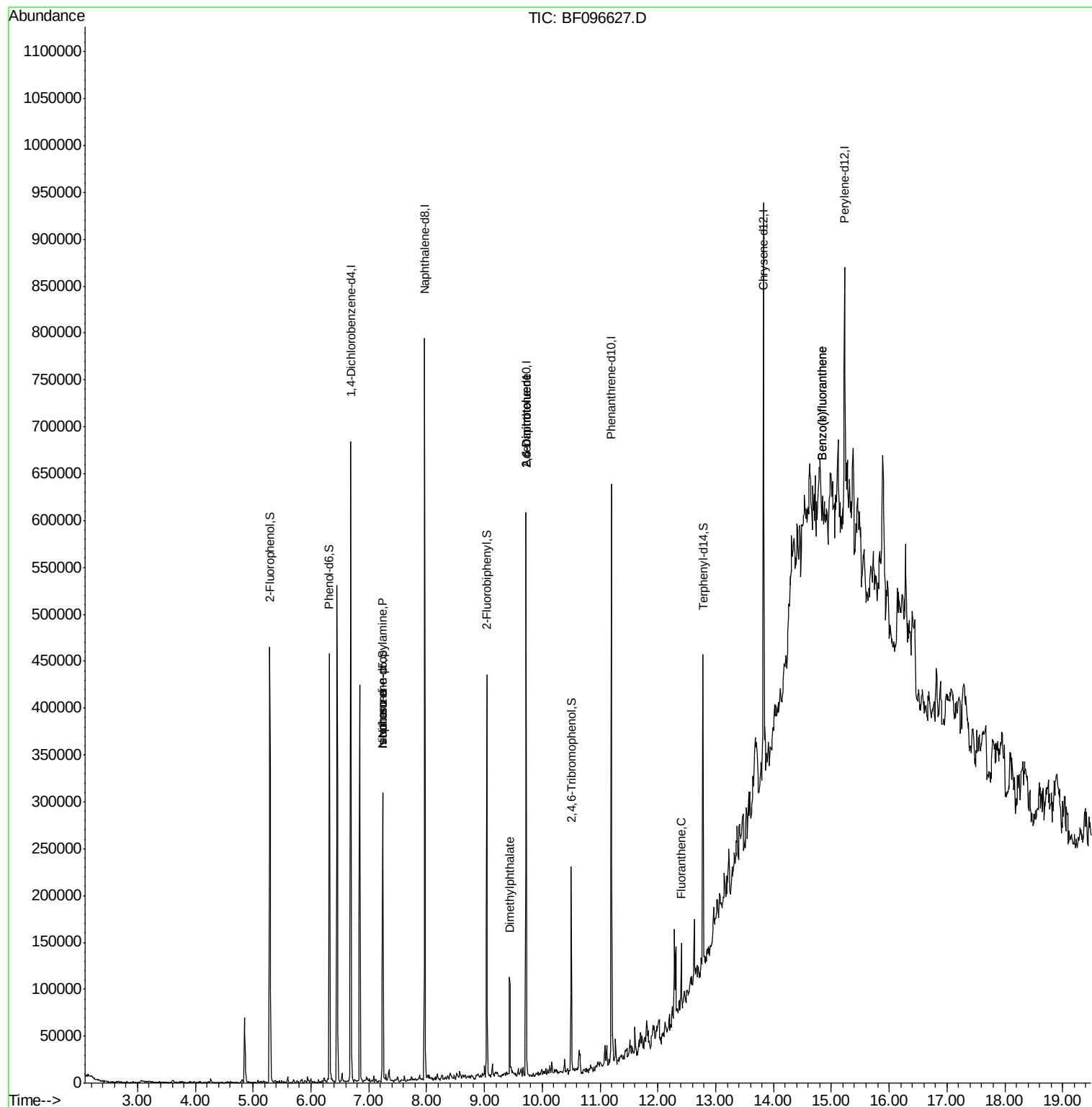
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	92758	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	315930	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	113734	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	210432	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	191691	20.00	ng	-0.02
86) Perylene-d12	15.23	264	130649	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	125079	19.90	ng	-0.02
7) Phenol-d6	6.32	99	144938	18.76	ng	-0.03
23) Nitrobenzene-d5	7.24	82	80705	15.35	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	21523	24.23	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	129547	19.47	ng	-0.02
78) Terphenyl-d14	12.78	244	101305	11.29	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	10293	2.24	ng	# 82
25) Isophorone	7.24	82	80555	7.90	ng	# 67
49) Dimethylphthalate	9.44	163	39440	4.65	ng	98
50) 2,6-Dinitrotoluene	9.72	165	14341	7.64	ng	# 31
56) 2,4-Dinitrotoluene	9.72	165	14341	6.03	ng	# 31
74) Fluoranthene	12.40	202	24798	2.22	ng	96
87) Benzo(b)fluoranthene	14.83	252	19957	2.44	ng	# 32
88) Benzo(k)fluoranthene	14.83	252	19957	2.73	ng	# 37

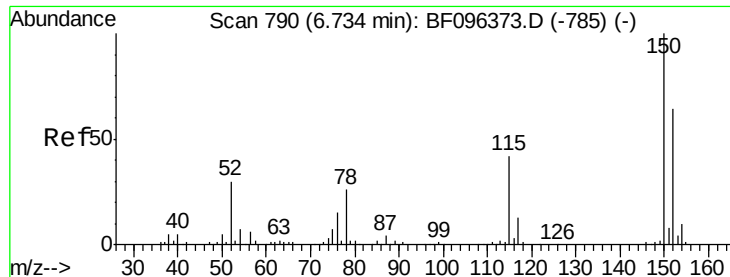
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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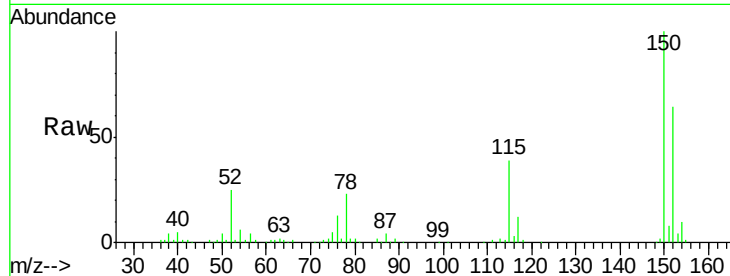


#1

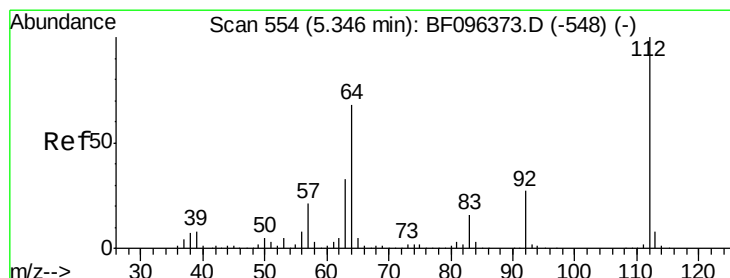
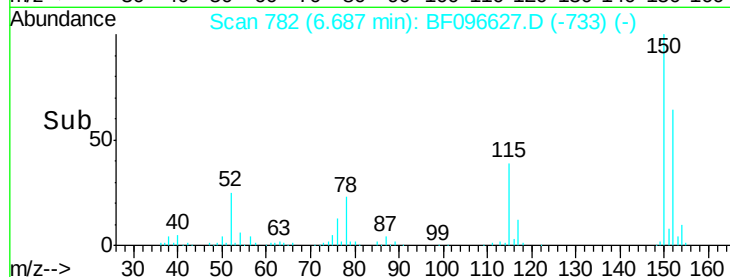
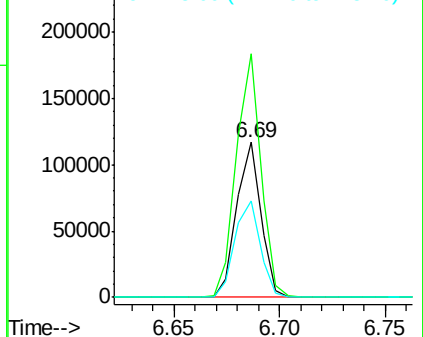
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096627.D
Acq: 11 Jul 2017 3:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 92758
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 62.0 52.2 78.2



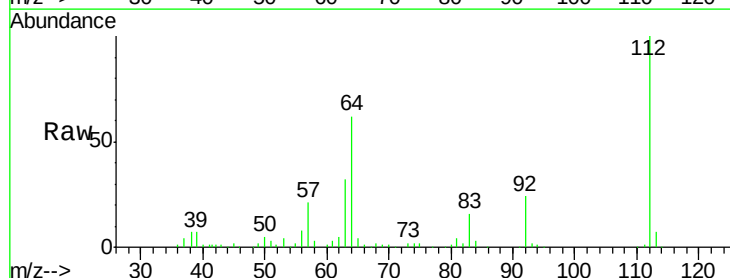
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



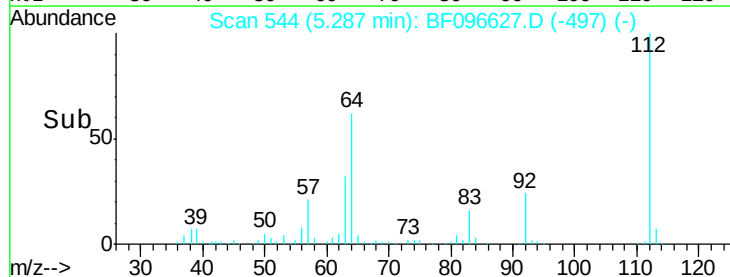
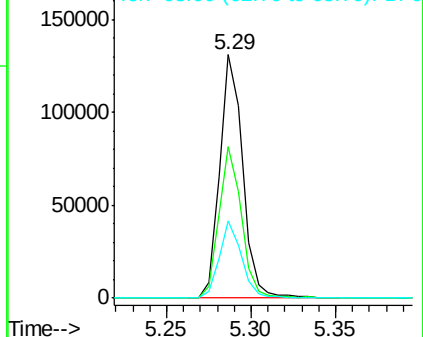
#5

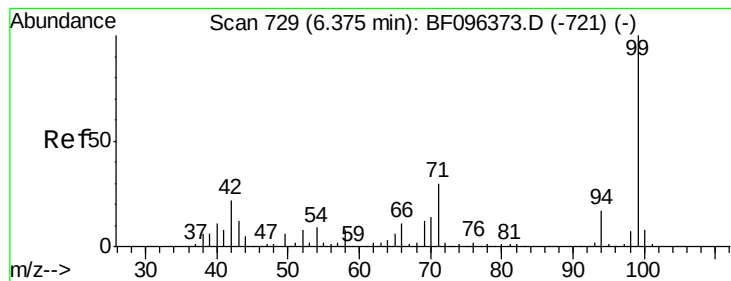
2-Fluorophenol
Concen: 19.90 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF096627.D
Acq: 11 Jul 2017 3:20

Tgt Ion:112 Resp: 125079
Ion Ratio Lower Upper
112 100
64 62.3 46.0 69.0
63 31.7 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: 18.76 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.03 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Instrument :

BNA_F

ClientSampleId :

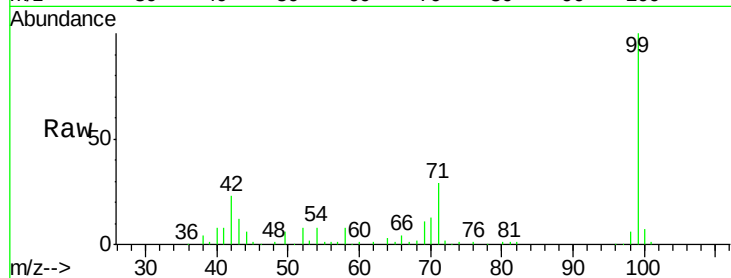
Tot Ion: 99 Resp: 144938

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

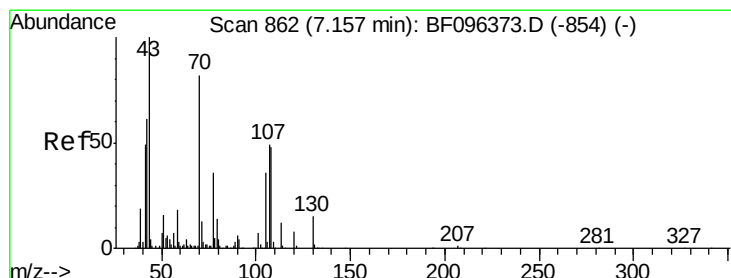
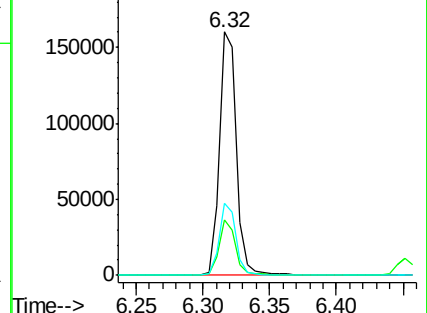
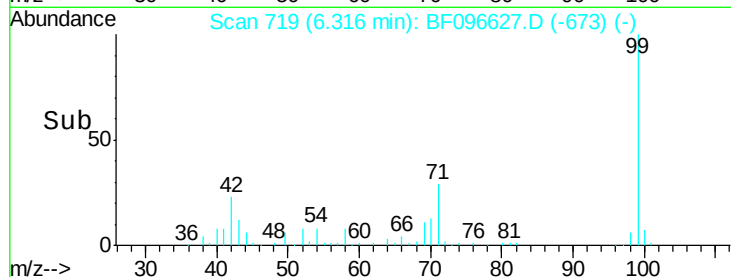
71 29.4 24.5 36.7



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: 2.24 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.11 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Tgt Ion: 70 Resp: 10293

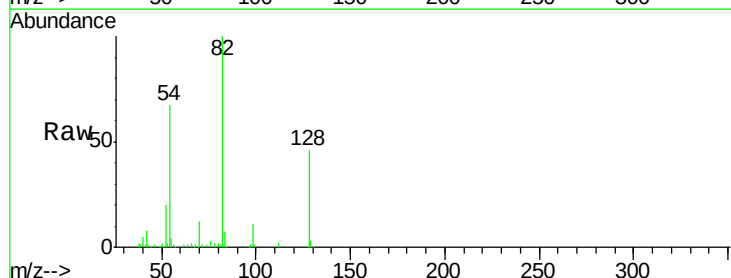
Ion Ratio Lower Upper

70 100

42 66.6 47.2 70.8

101 0.0 7.2 10.8#

130 3.3 15.9 23.9#

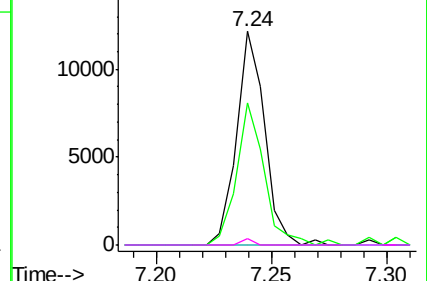
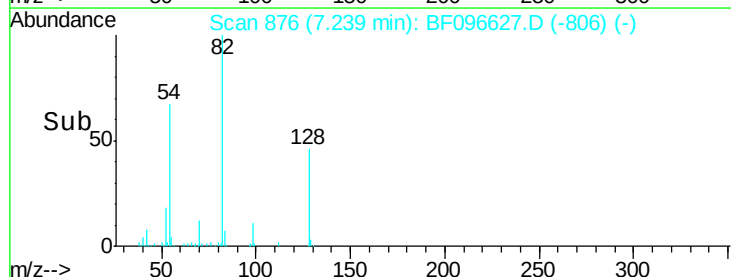


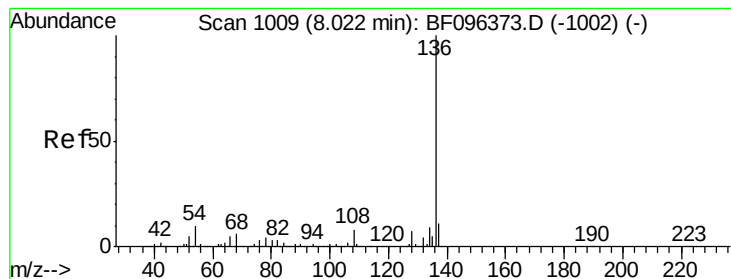
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 315930

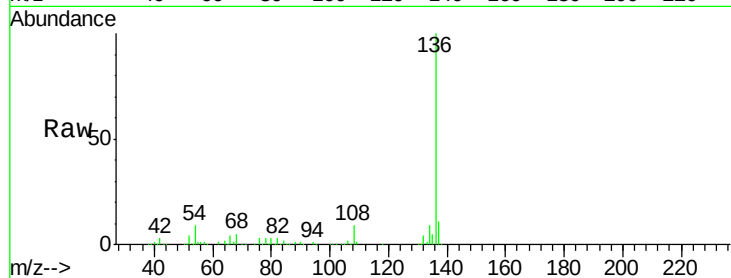
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 9.3 4.9 7.3#

68 4.7 4.1 6.1

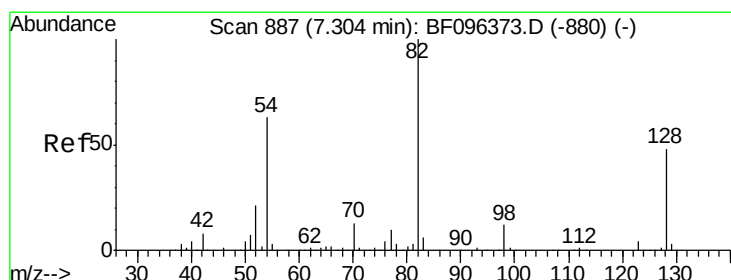
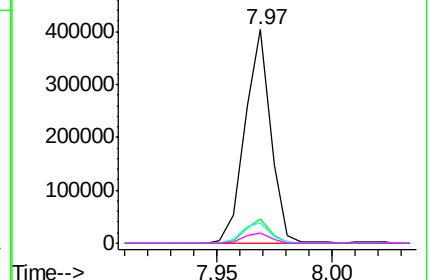
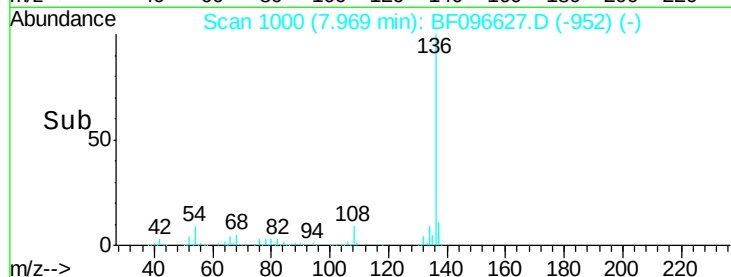


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.35 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.03 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

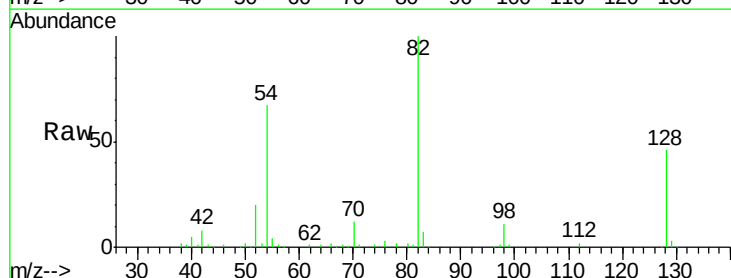
Tgt Ion: 82 Resp: 80705

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

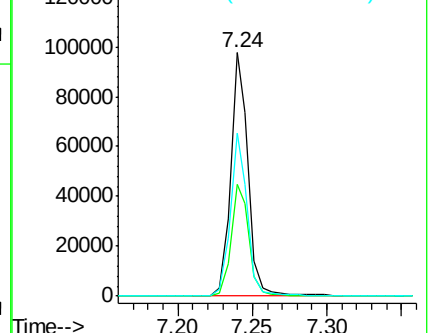
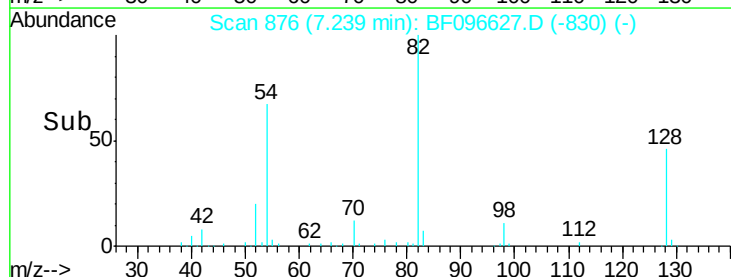
54 67.1 42.2 63.2#

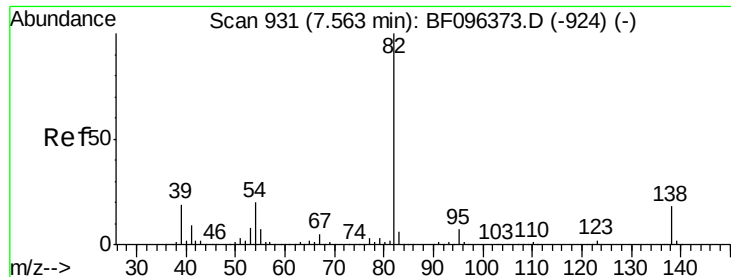


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.90 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.29 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Instrument :

BNA_F

ClientSampleId :

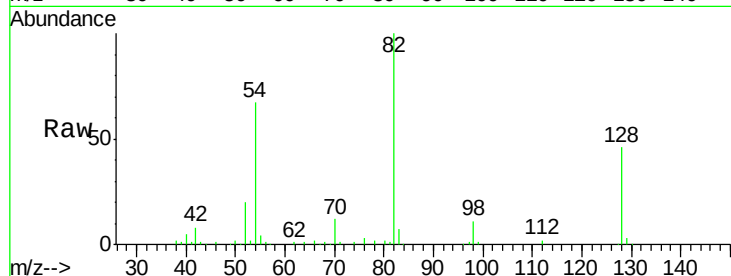
Tot Ion: 82 Resp: 80555

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

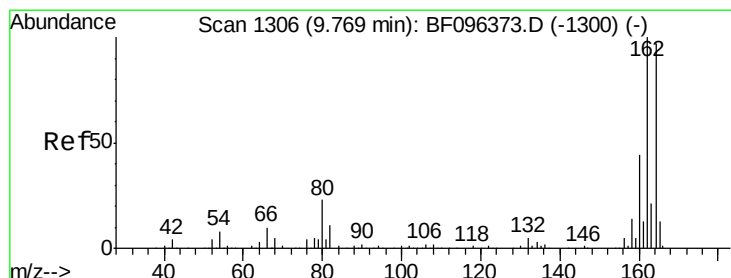
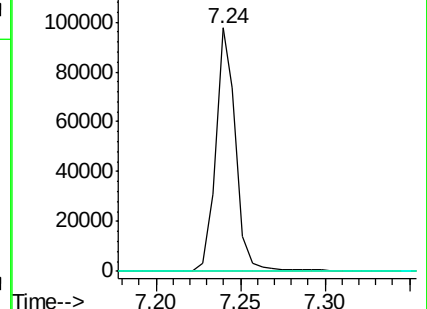
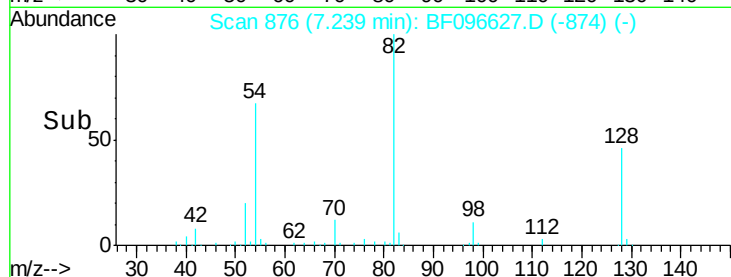
138 0.0 13.1 19.7#



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: 20.00 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

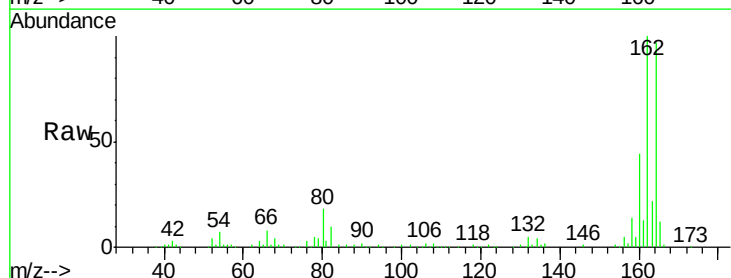
Tgt Ion:164 Resp: 113734

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

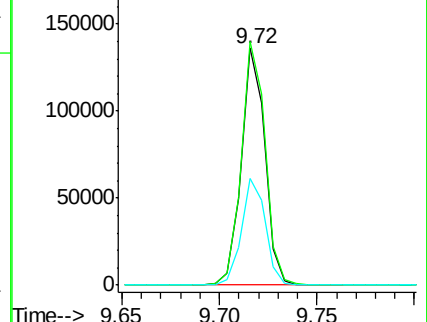
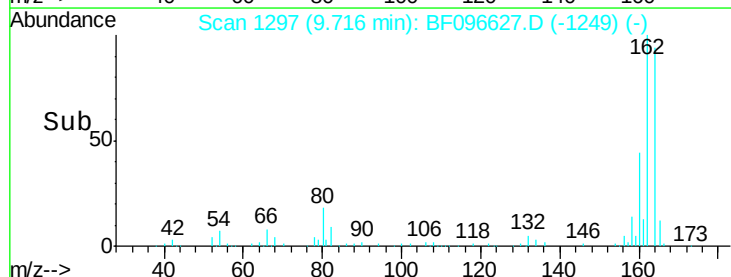
160 44.7 36.2 54.2

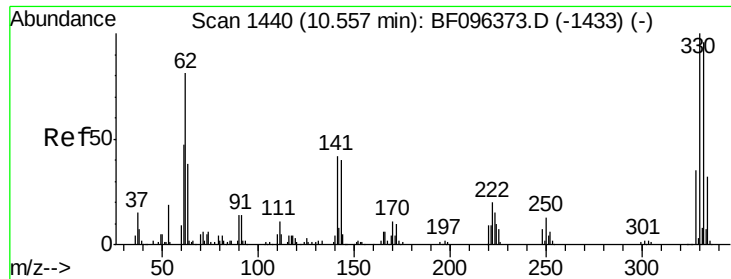


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

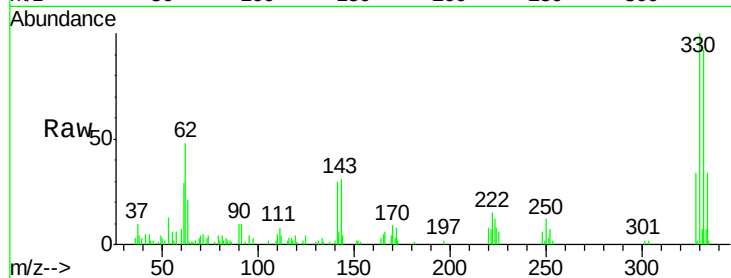




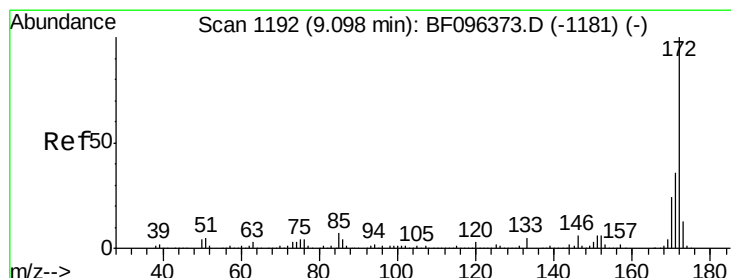
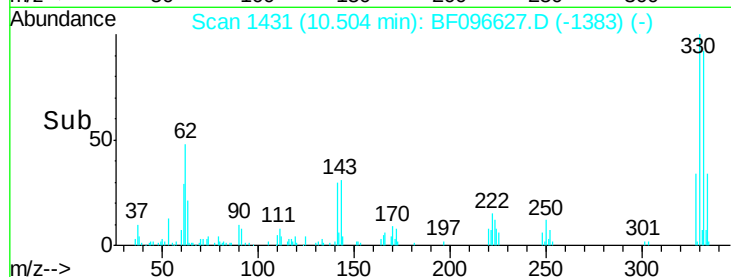
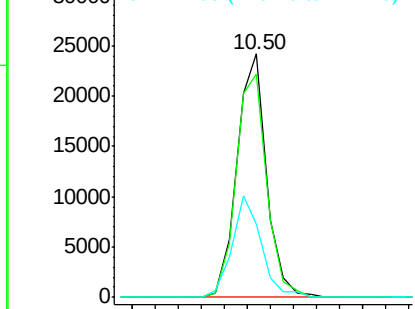
#41
 2,4,6-Tribromophenol
 Concen: 24.23 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096627.D
 Acq: 11 Jul 2017 3:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 21523
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 41.0 31.4 47.2

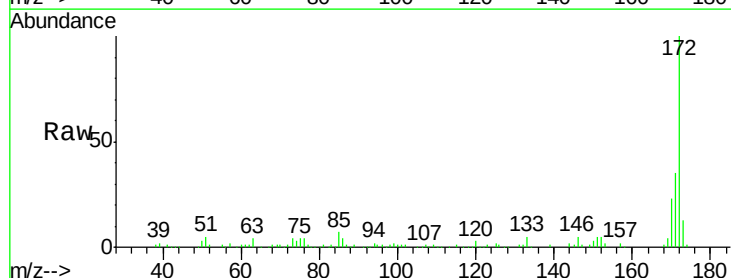


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

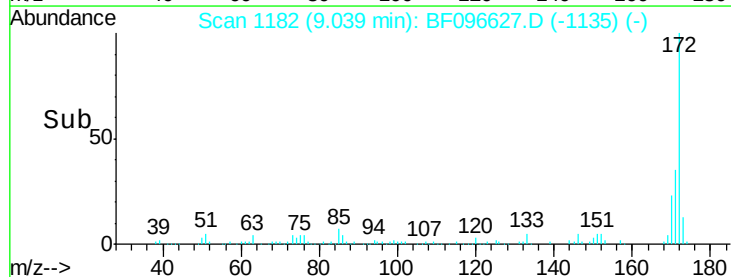
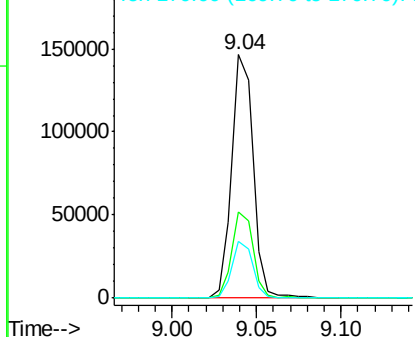


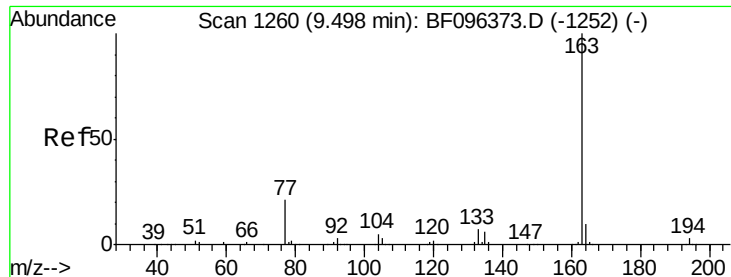
#44
 2-Fluorobiphenyl
 Concen: 19.47 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096627.D
 Acq: 11 Jul 2017 3:20

Tgt Ion:172 Resp: 129547
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.3 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

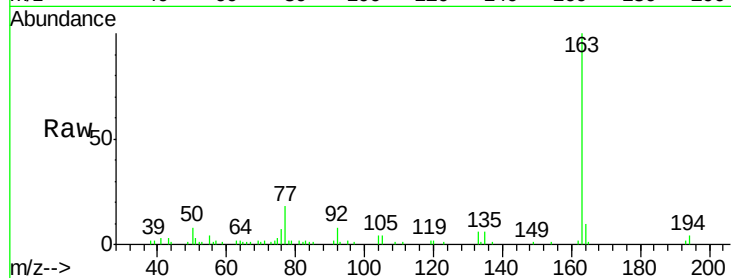




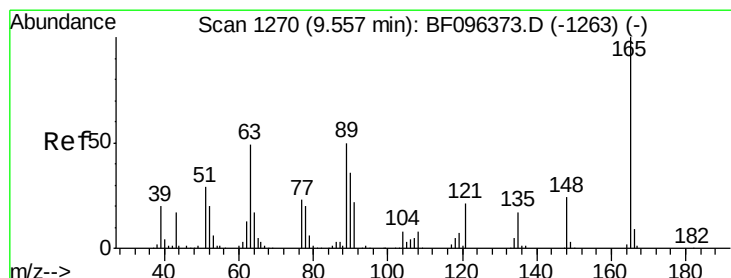
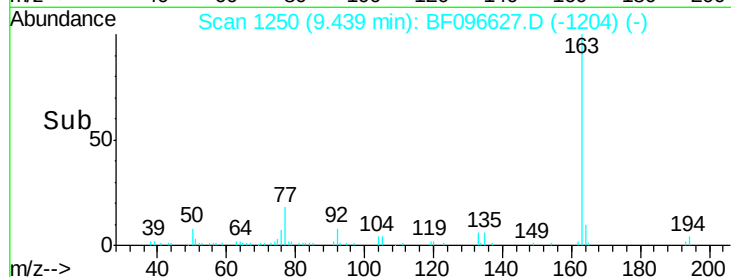
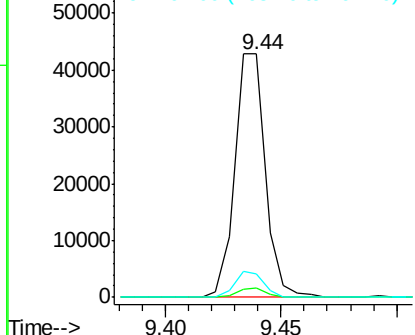
#49
Dimethylphthalate
Concen: 4.65 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096627.D
Acq: 11 Jul 2017 3:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 39440
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.7 8.4 12.6

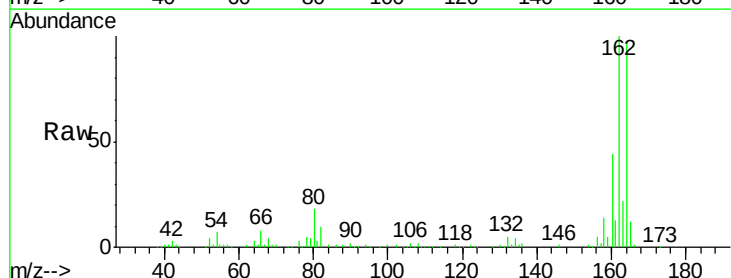


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

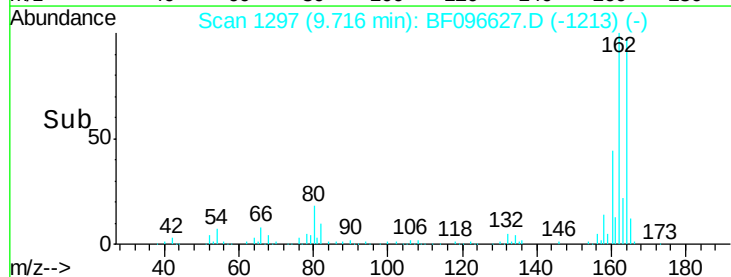
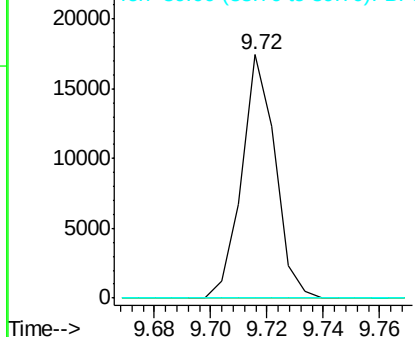


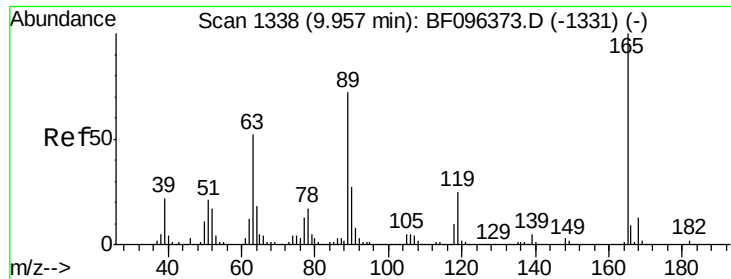
#50
2,6-Dinitrotoluene
Concen: 7.64 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.19 min
Lab File: BF096627.D
Acq: 11 Jul 2017 3:20

Tgt Ion:165 Resp: 14341
Ion Ratio Lower Upper
165 100
63 0.0 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

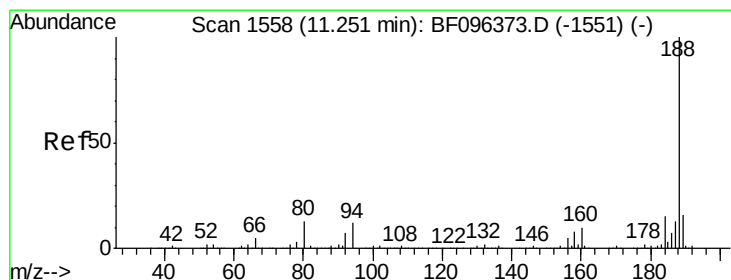
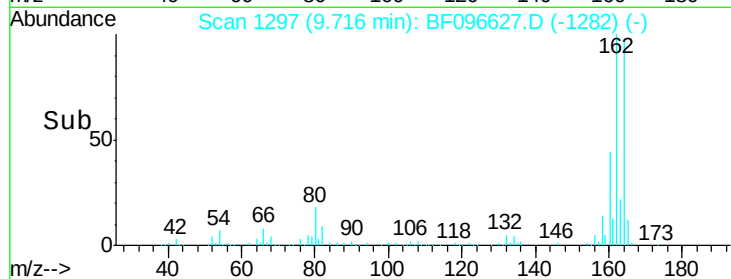
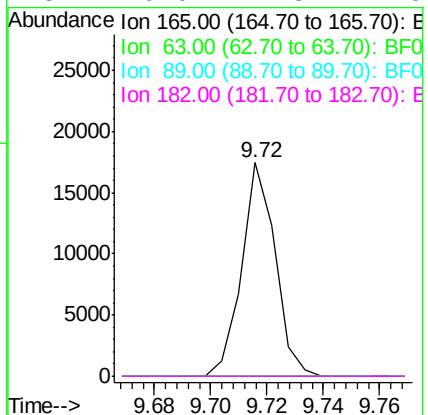
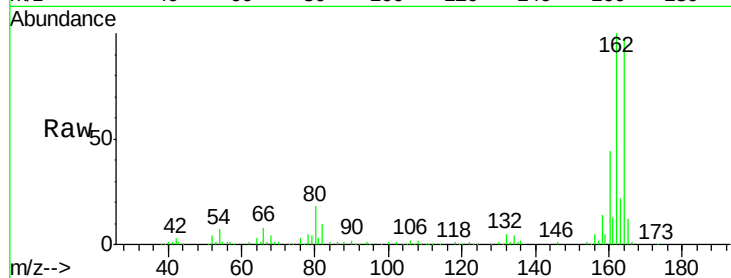




#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096627.D
 Acq: 11 Jul 2017 3:20

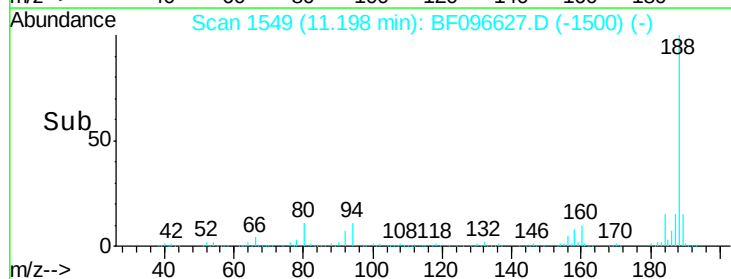
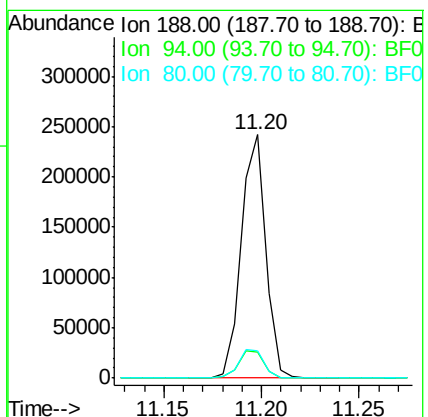
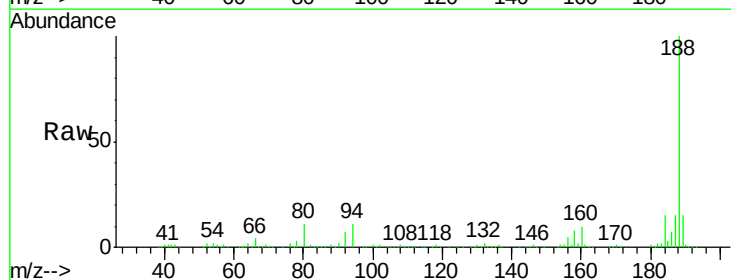
Instrument :
 BNA_F
 ClientSampled :

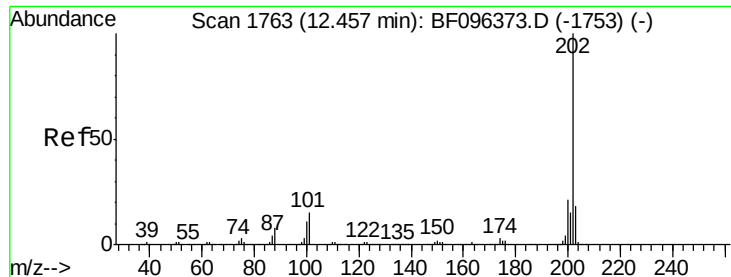
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096627.D
 Acq: 11 Jul 2017 3:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.1	10.2	15.2





#74

Fluoranthene

Concen: 2.22 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Instrument :

BNA_F

ClientSampleId :

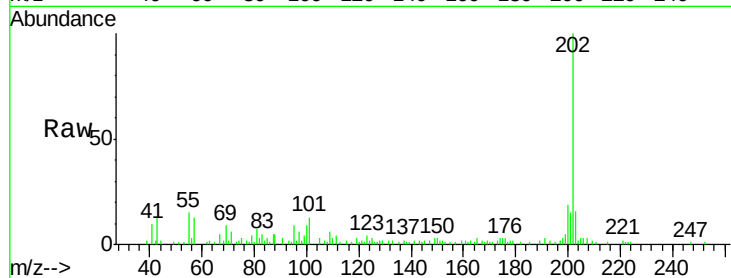
Tot Ion:202 Resp: 24798

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

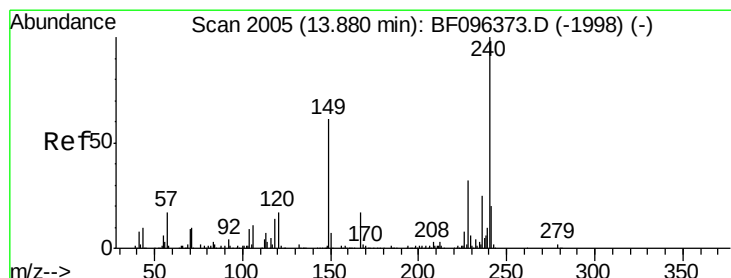
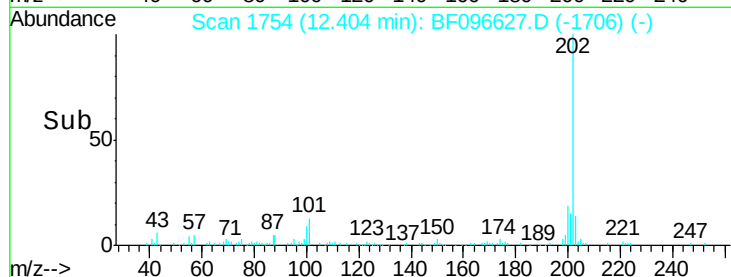
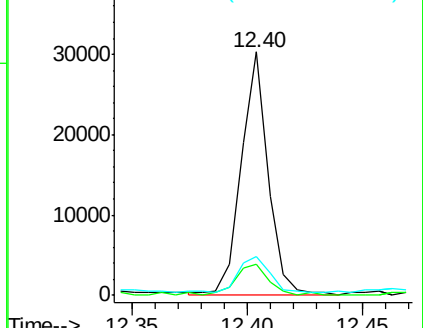
203 15.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

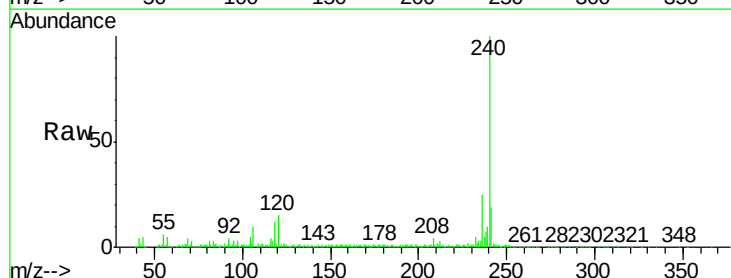
Tgt Ion:240 Resp: 191691

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

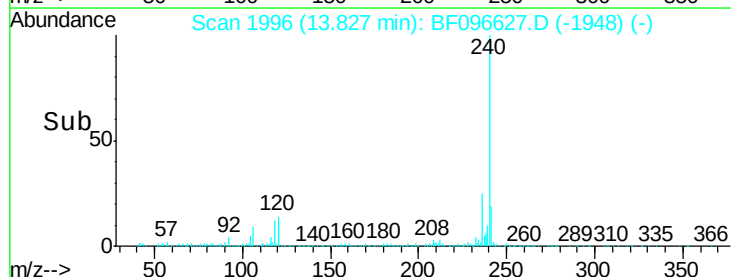
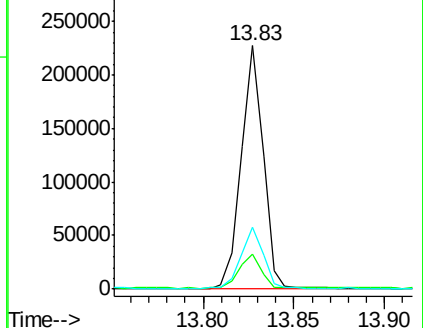
236 25.2 20.5 30.7

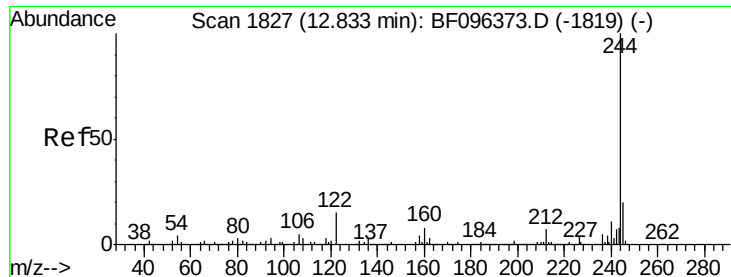


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 11.29 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Instrument :

BNA_F

ClientSampleId :

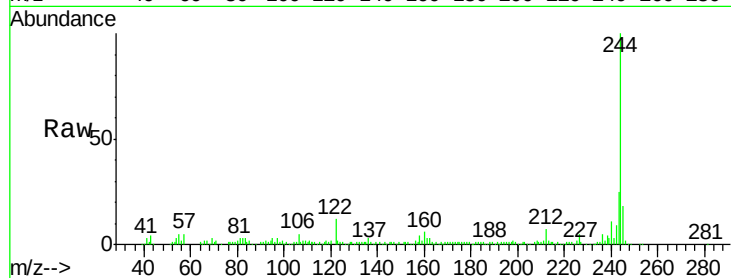
Tot Ion:244 Resp: 101305

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

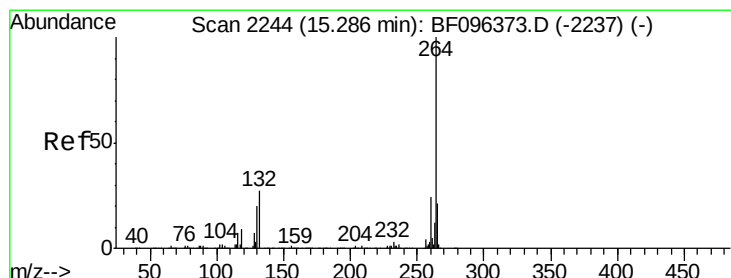
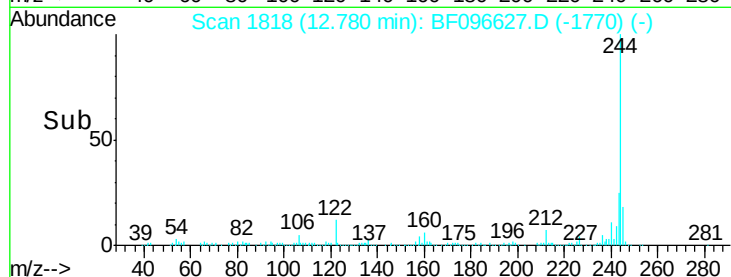
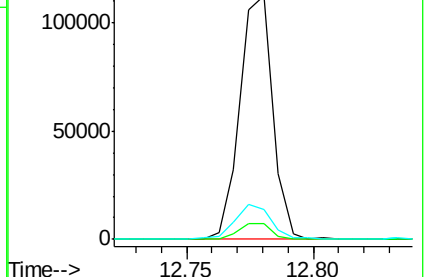
122 12.2 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

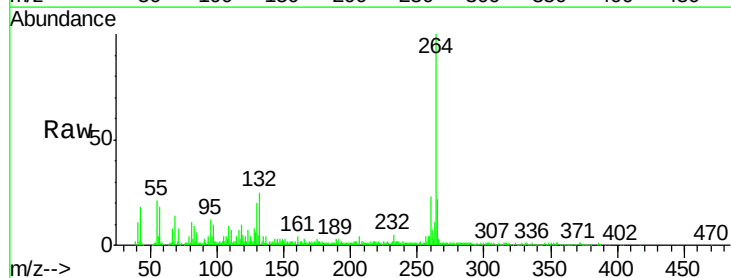
Tgt Ion:264 Resp: 130649

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

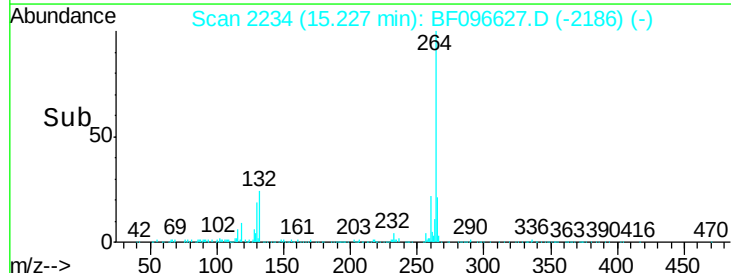
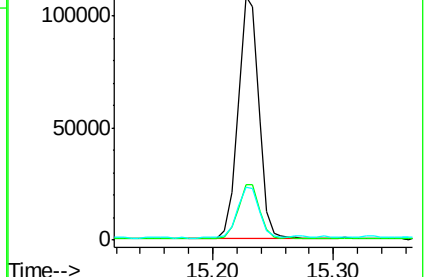
265 21.6 17.2 25.8

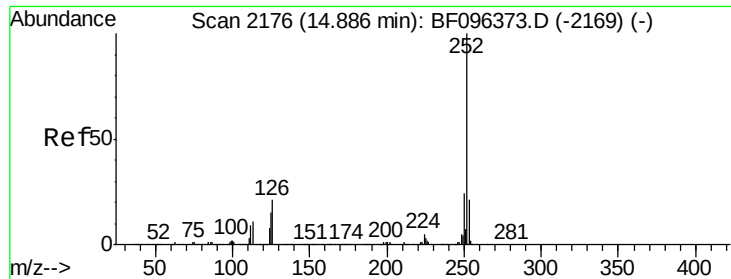


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.44 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Instrument :

BNA_F

ClientSampleId :

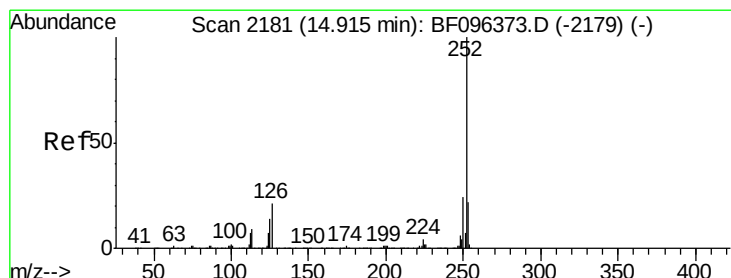
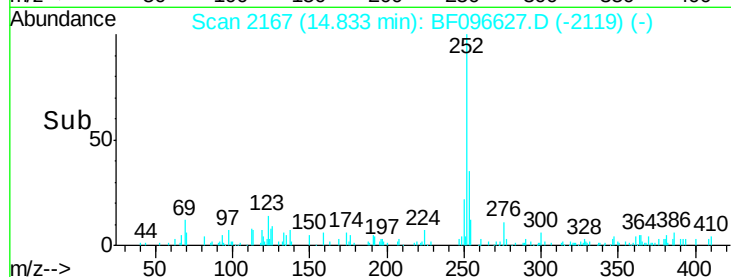
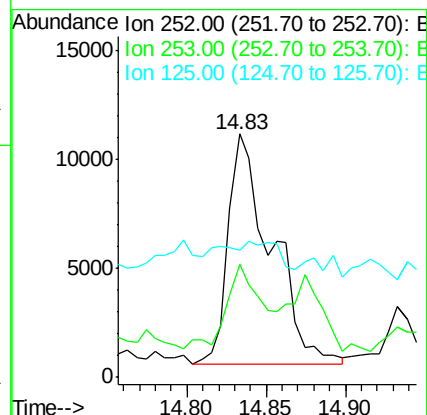
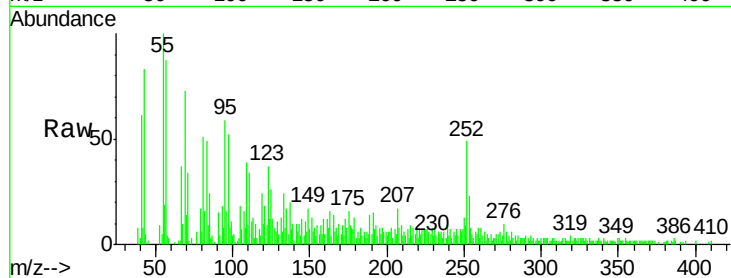
Tot Ion:252 Resp: 19957

Ion Ratio Lower Upper

252 100

253 46.4 18.1 27.1#

125 52.4 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 2.73 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.05 min

Lab File: BF096627.D

Acq: 11 Jul 2017 3:20

Tgt Ion:252 Resp: 19957

Ion Ratio Lower Upper

252 100

253 46.4 18.4 27.6#

125 52.4 13.1 19.7#

