

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083480.D
 Acq On : 4 Dec 2015 1:24
 Operator : UM/IZ
 Sample : G4617-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Quant Time: Dec 04 02:21:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

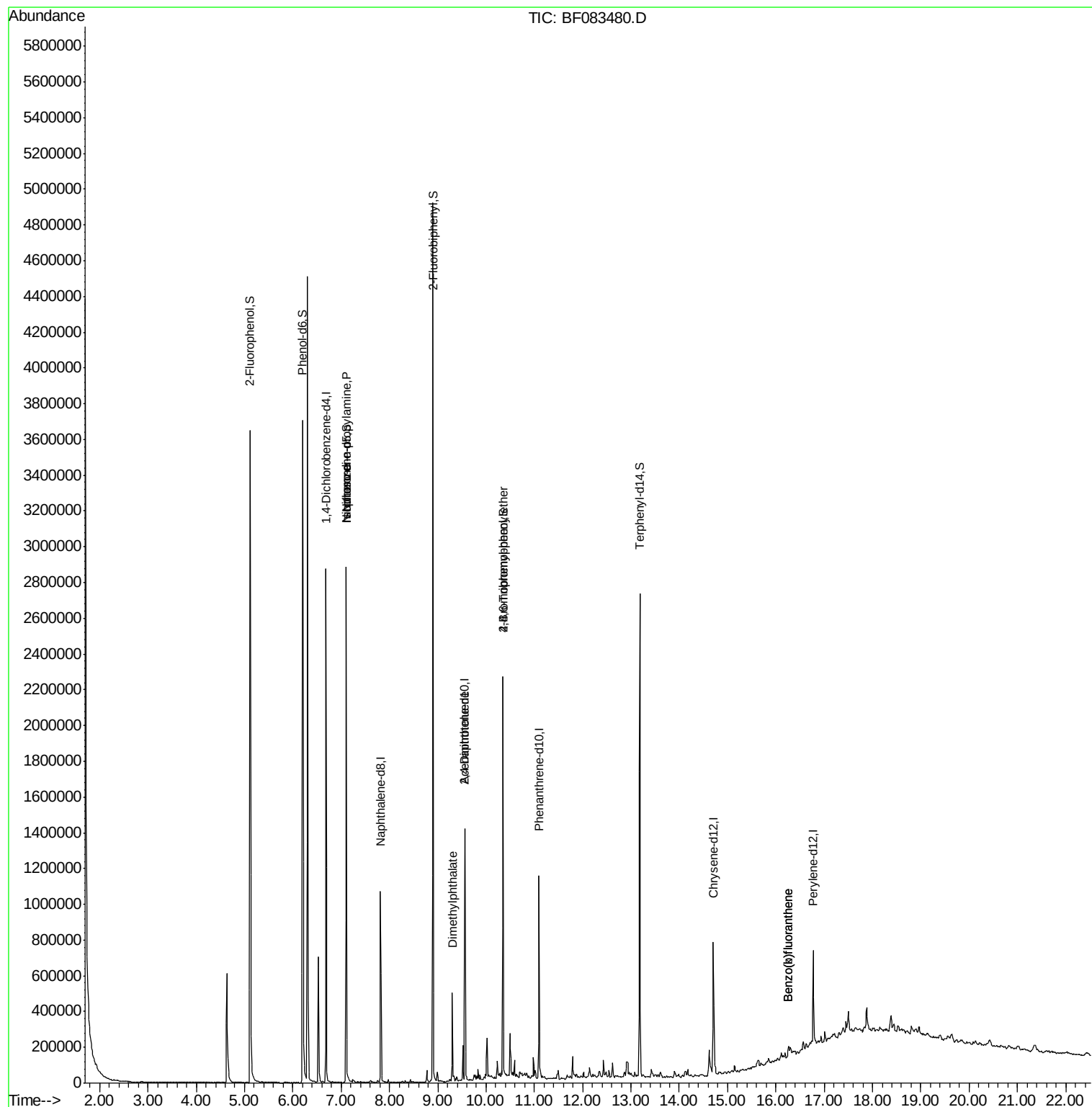
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	476402	20.00	ng	0.14
21) Naphthalene-d8	7.81	136	573423	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	277903	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	438358	20.00	ng	-0.03
75) Chrysene-d12	14.71	240	354434	20.00	ng	-0.06
86) Perylene-d12	16.77	264	283045	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1093961	34.46	ng	-0.01
7) Phenol-d6	6.20	99	1418426	32.64	ng	-0.02
23) Nitrobenzene-d5	7.10	82	1013928	77.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	253475	90.86	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	1459731	74.85	ng	-0.02
78) Terphenyl-d14	13.19	244	1161098	78.13	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.30	77	29994	Below Cal		Qvalue 81
19) n-Nitroso-di-n-propylamine	7.10	70	136491	4.39 ng	#	82
25) Isophorone	7.10	82	790815	31.30 ng	#	70
49) Dimethylphthalate	9.30	163	195529	8.66 ng		99
56) 2,4-Dinitrotoluene	9.56	165	35442	5.79 ng	#	6
66) 4-Bromophenyl-phenylether	10.35	248	18758	3.91 ng	#	1
87) Benzo(b)fluoranthene	16.26	252	40894	2.25 ng	#	96
88) Benzo(k)fluoranthene	16.26	252	40894	2.38 ng	#	92

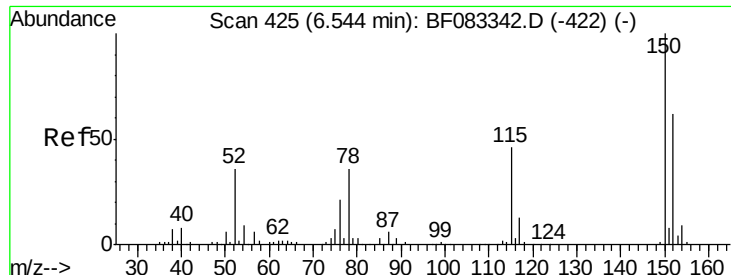
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 437

Delta R.T. 0.14 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

Instrument :

BNA_F

ClientSampleId :

SB-01

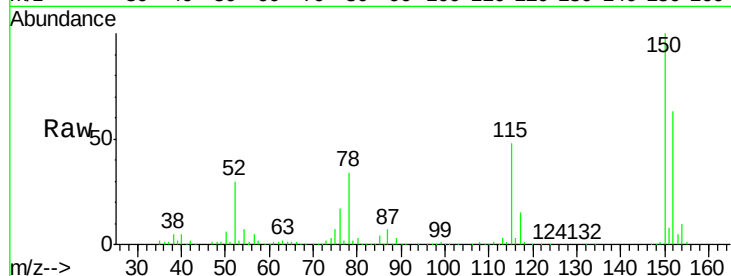
Tgt Ion:152 Resp: 476402

Ion Ratio Lower Upper

152 100

150 159.7 129.8 194.8

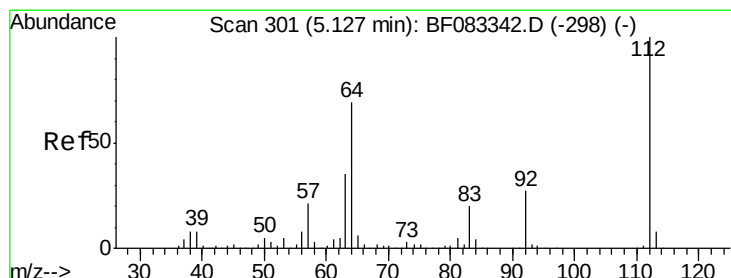
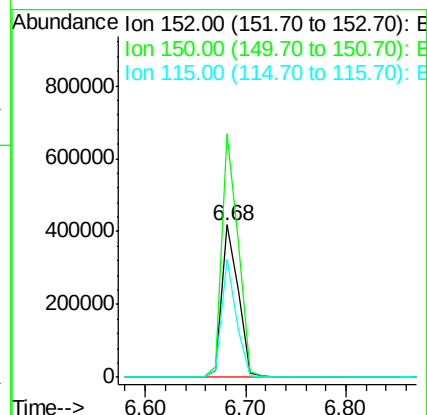
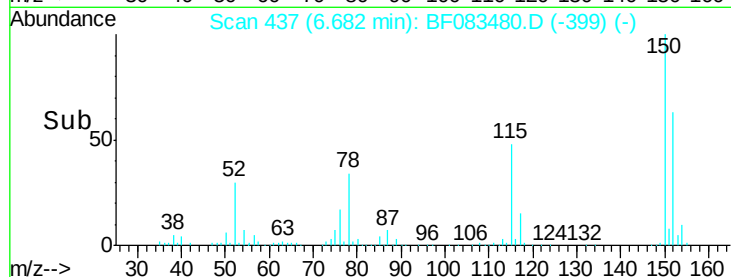
115 77.2 59.2 88.8



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: 34.46 ng

RT: 5.12 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

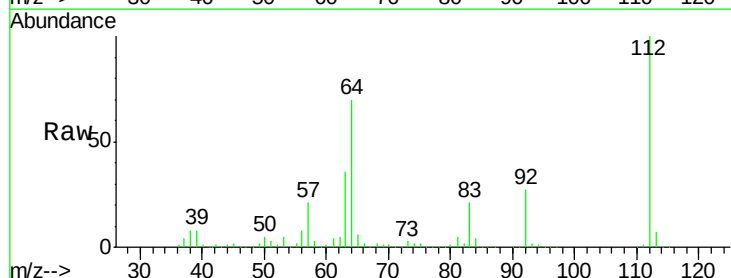
Tgt Ion:112 Resp: 1093961

Ion Ratio Lower Upper

112 100

64 70.0 55.6 83.4

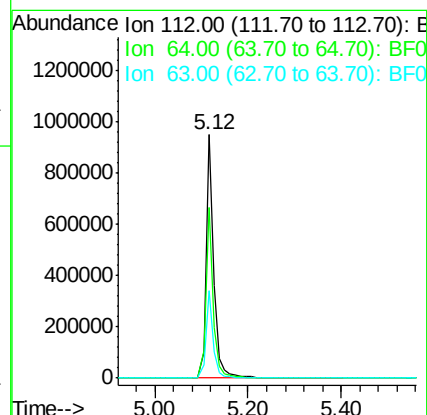
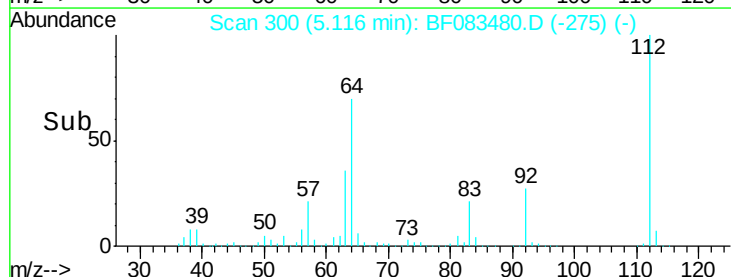
63 35.8 28.2 42.2

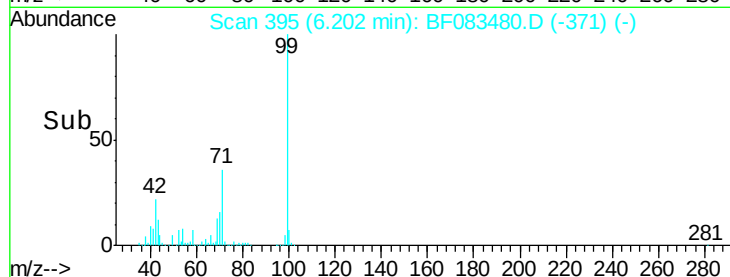
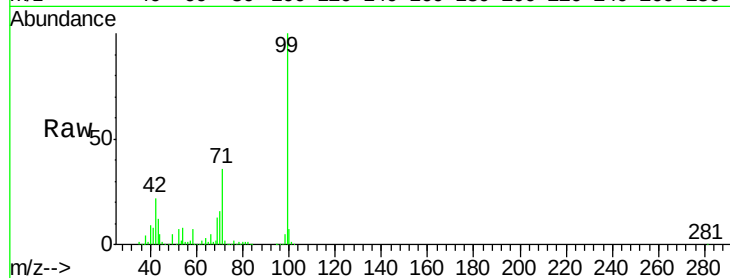
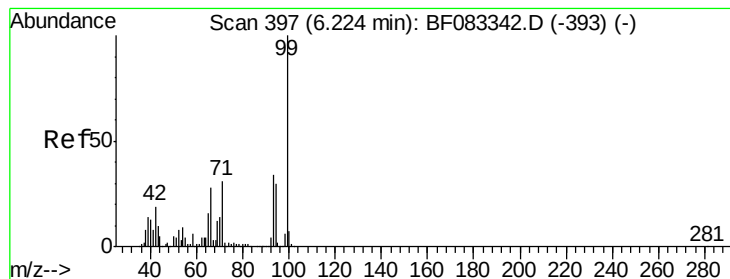


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.64 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

Instrument :

BNA_F

ClientSampleId :

SB-01

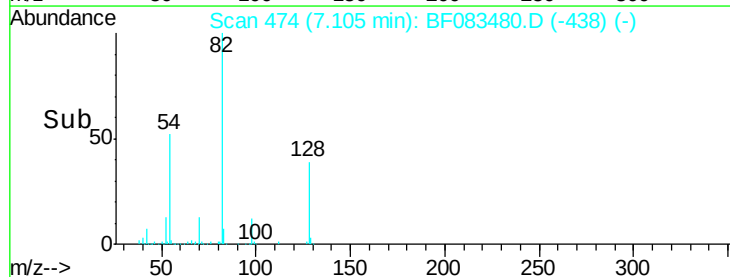
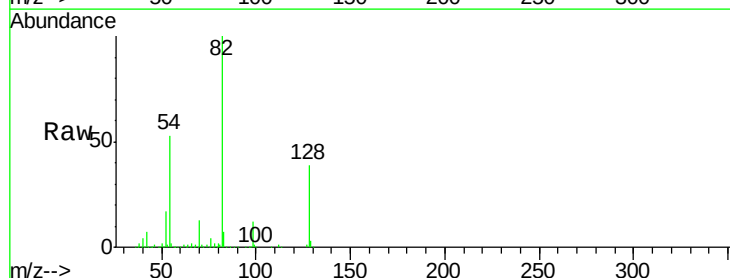
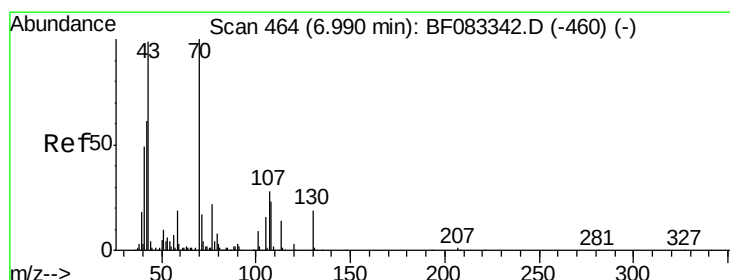
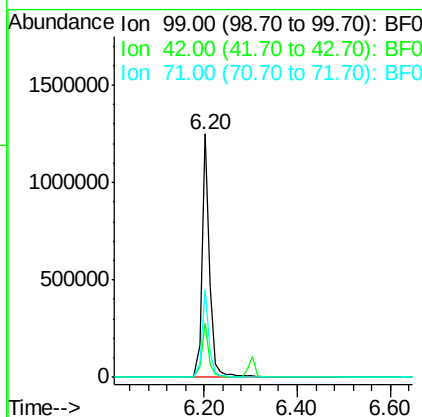
Tgt Ion: 99 Resp: 1418426

Ion Ratio Lower Upper

99 100

42 22.4 14.9 22.3#

71 35.7 24.7 37.1



#19

n-Nitroso-di-n-propylamine

Concen: 4.39 ng

RT: 7.10 min Scan# 474

Delta R.T. 0.11 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

Tgt Ion: 70 Resp: 136491

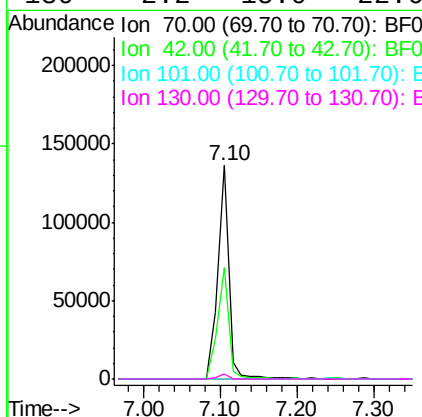
Ion Ratio Lower Upper

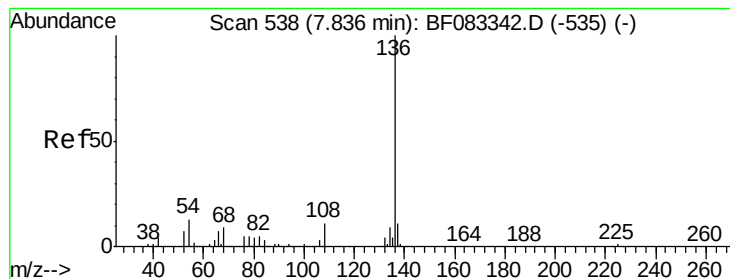
70 100

42 51.9 48.8 73.2

101 0.0 7.1 10.7#

130 2.2 15.0 22.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

Instrument :

BNA_F

ClientSampleId :

SB-01

Tgt Ion:136 Resp: 573423

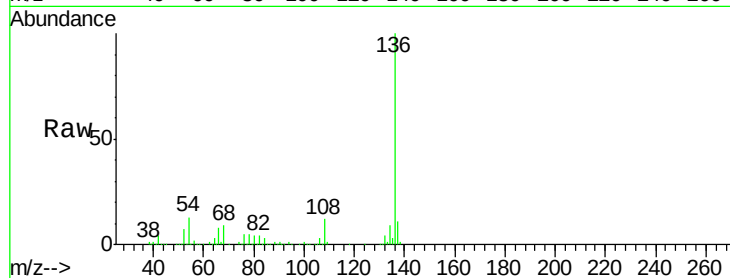
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 13.1 10.1 15.1

68 9.0 7.1 10.7

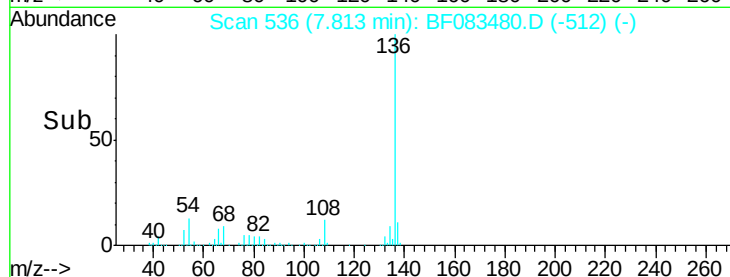


Abundance Ion 136.00 (135.70 to 136.70): E

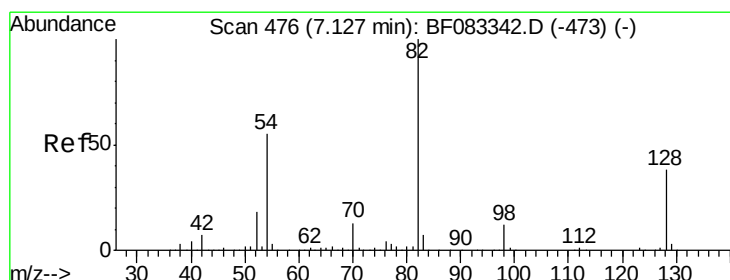
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 77.73 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

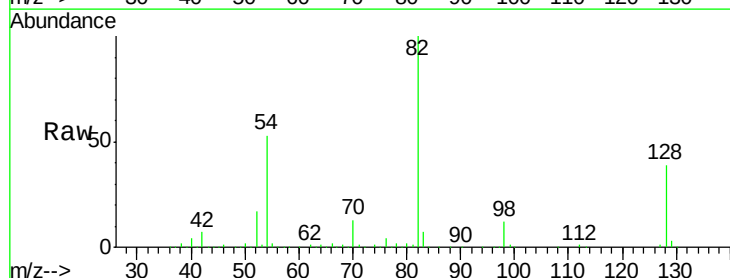
Tgt Ion: 82 Resp: 1013928

Ion Ratio Lower Upper

82 100

128 39.0 30.6 46.0

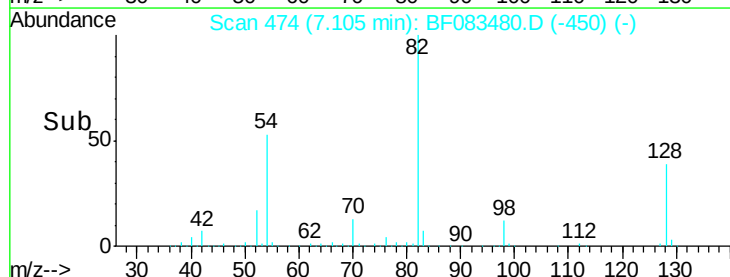
54 53.4 43.8 65.6



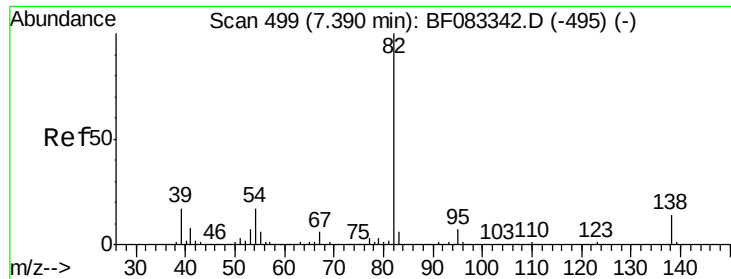
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 31.30 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.29 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

Instrument :

BNA_F

ClientSampleId :

SB-01

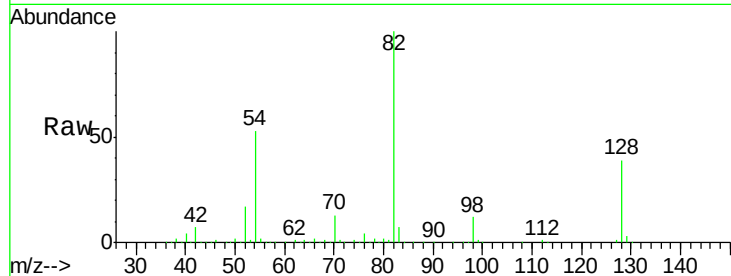
Tgt Ion: 82 Resp: 790815

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

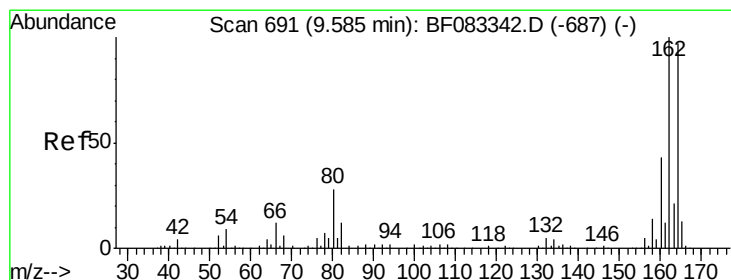
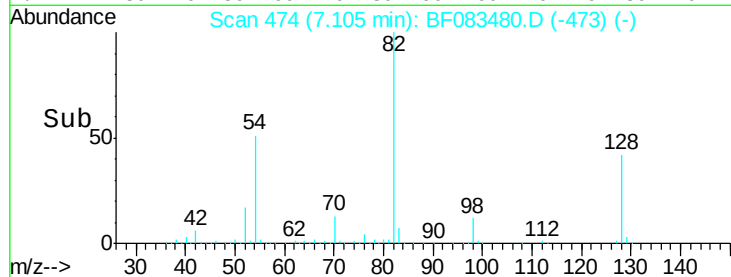
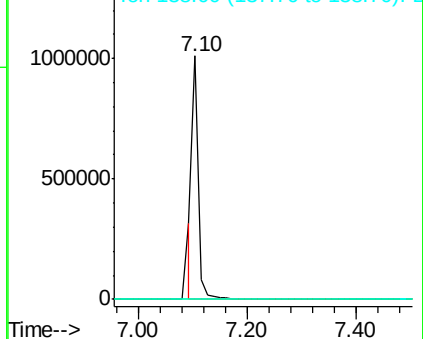
138 0.0 11.6 17.4#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

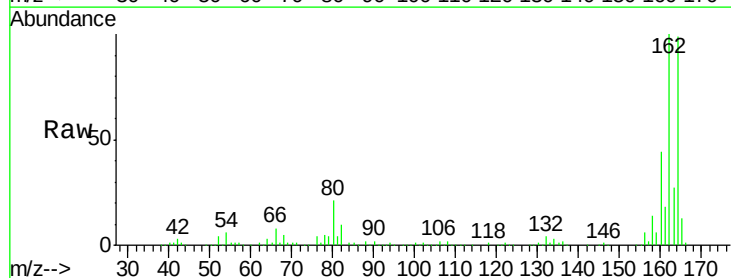
Tgt Ion: 164 Resp: 277903

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

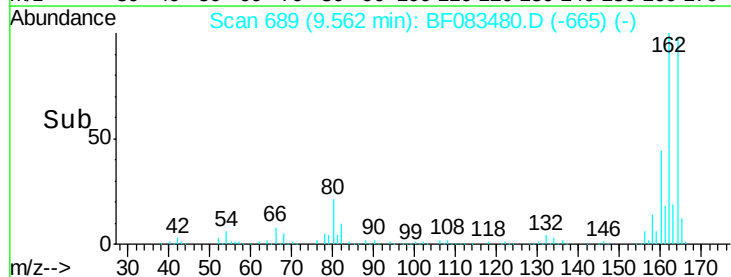
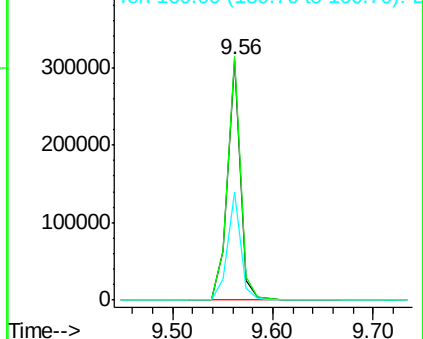
160 44.8 35.3 52.9

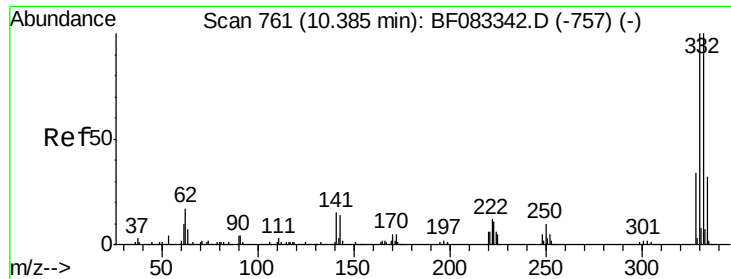


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

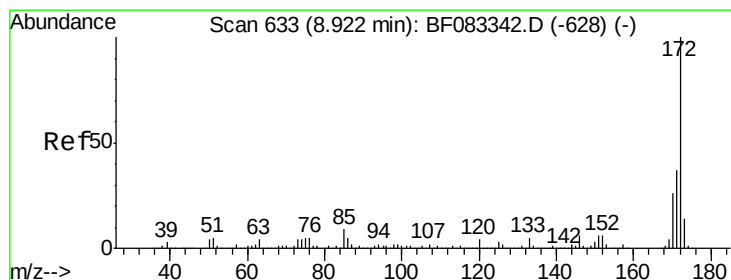
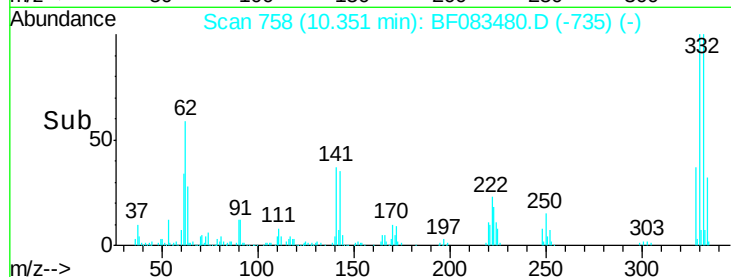
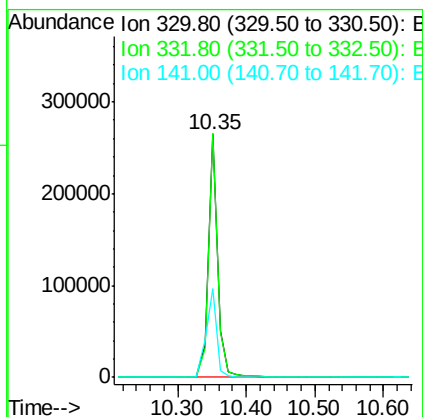
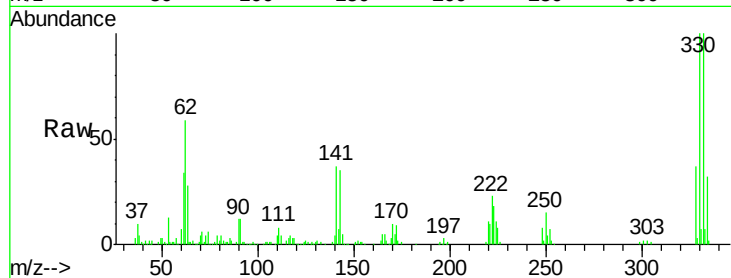




#41
 2,4,6-Tribromophenol
 Concen: 90.86 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF083480.D
 Acq: 4 Dec 2015 1:24

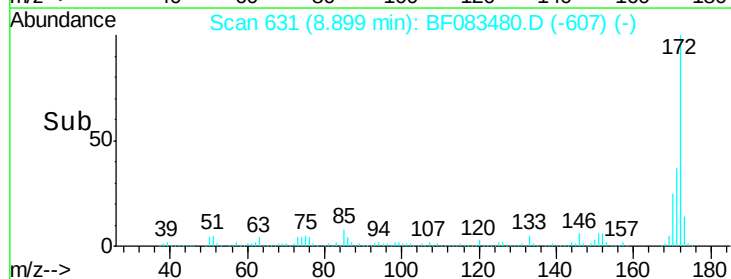
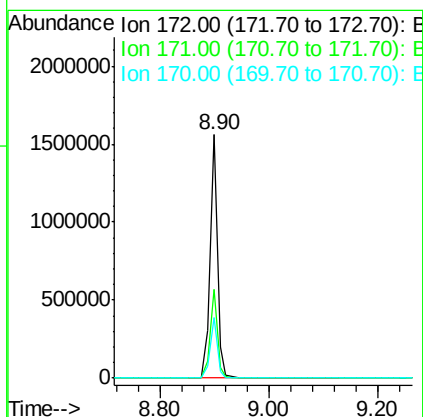
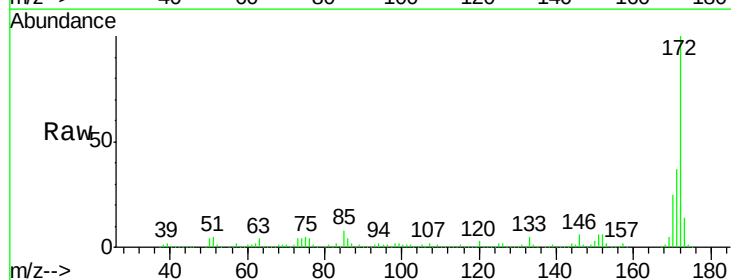
Instrument :
 BNA_F
 ClientSampleId :
 SB-01

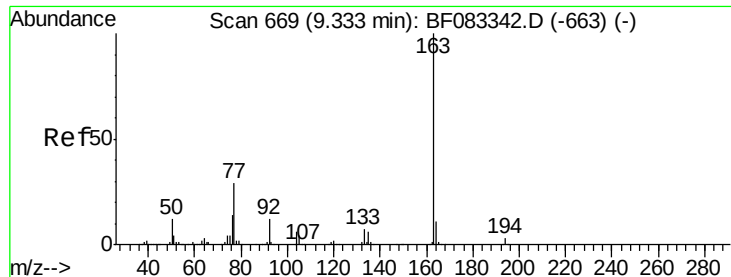
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.8	116.6
141	41.3	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 74.85 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: BF083480.D
 Acq: 4 Dec 2015 1:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	25.0	20.4	30.6

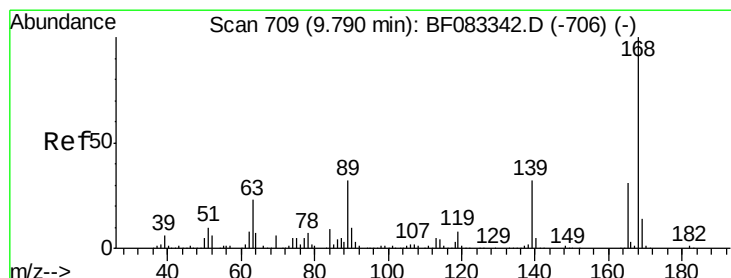
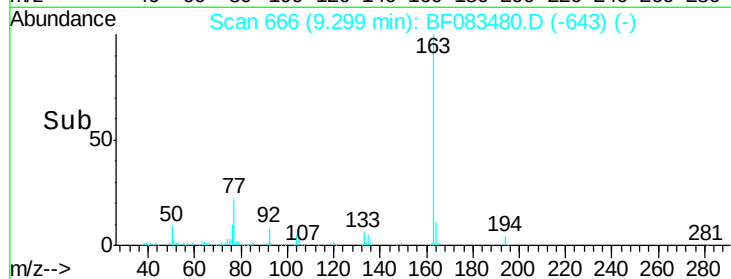
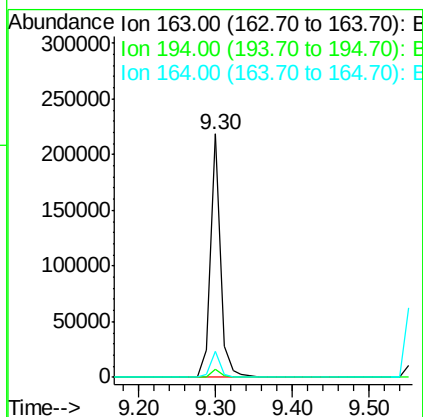
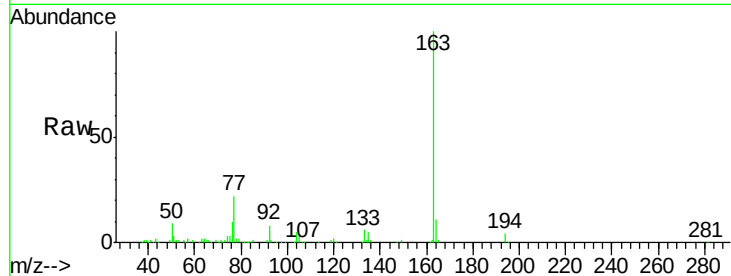




#49
Dimethylphthalate
Concen: 8.66 ng
RT: 9.30 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF083480.D
Acq: 4 Dec 2015 1:24

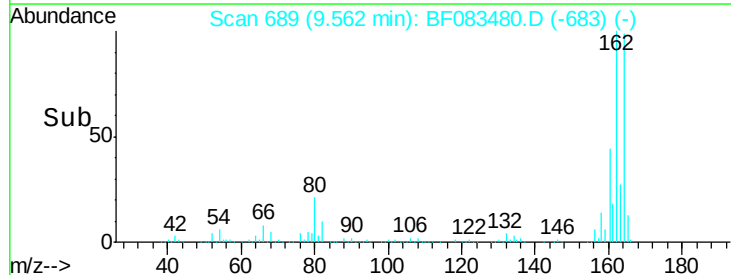
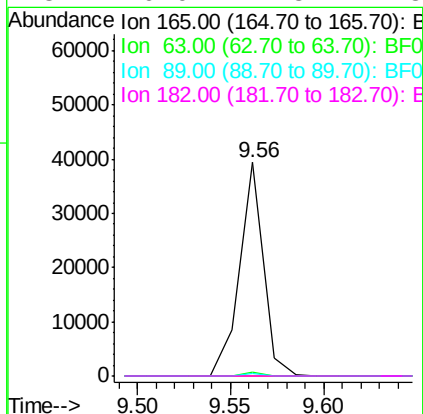
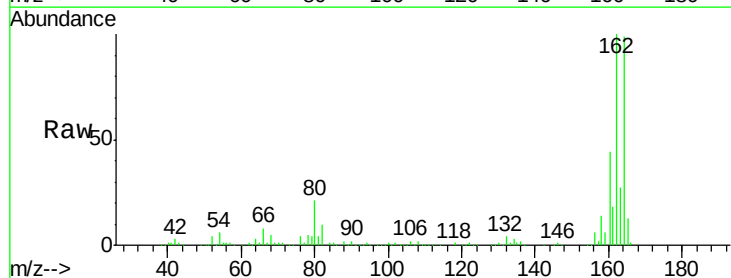
Instrument :
BNA_F
ClientSampled :
SB-01

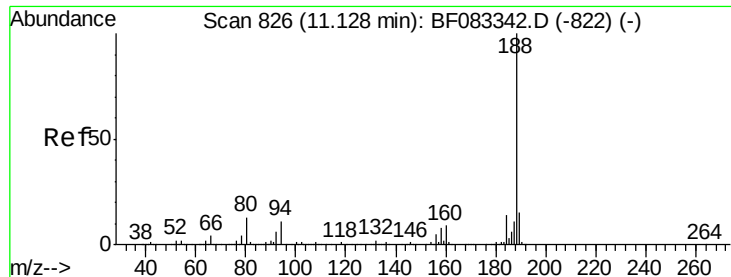
Tgt Ion:163 Resp: 195529
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.5 8.8 13.2



#56
2,4-Dinitrotoluene
Concen: 5.79 ng
RT: 9.56 min Scan# 689
Delta R.T. -0.23 min
Lab File: BF083480.D
Acq: 4 Dec 2015 1:24

Tgt Ion:165 Resp: 35442
Ion Ratio Lower Upper
165 100
63 1.5 65.4 98.0#
89 1.4 81.2 121.8#
182 0.0 1.8 2.8#

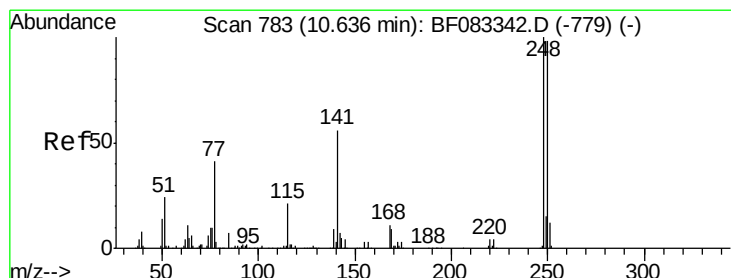
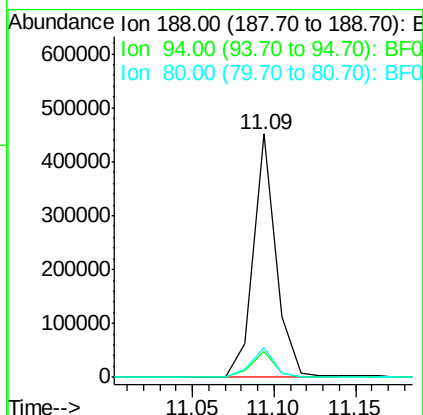
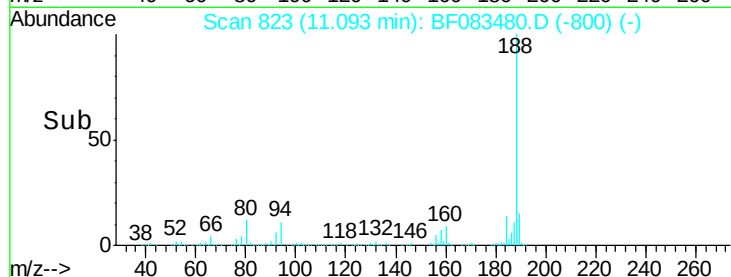
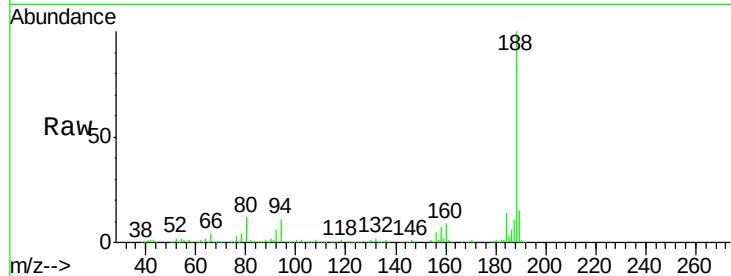




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF083480.D
Acq: 4 Dec 2015 1:24

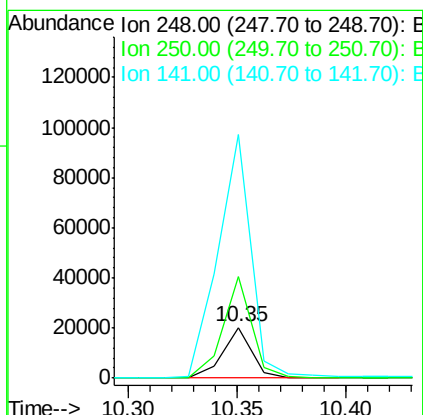
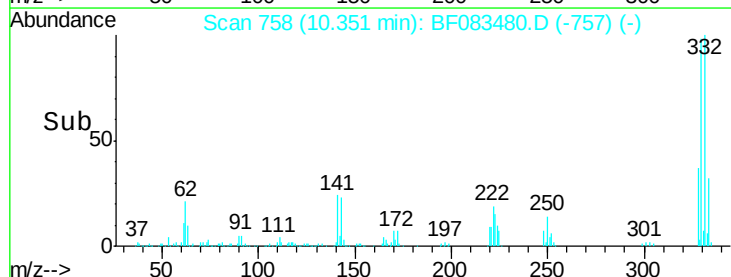
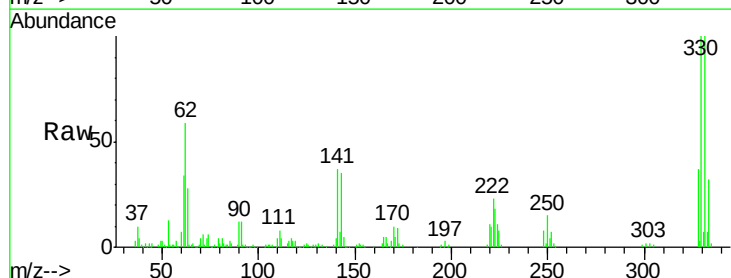
Instrument :
BNA_F
ClientSampleId :
SB-01

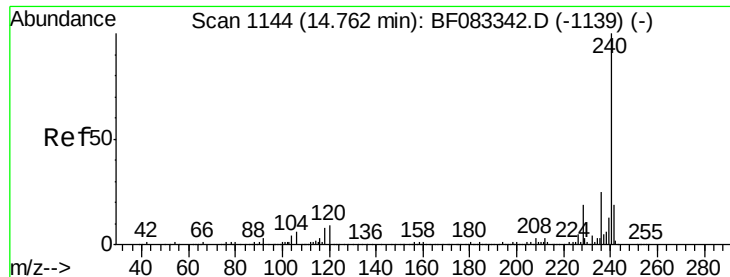
Tgt Ion:188 Resp: 438358
Ion Ratio Lower Upper
188 100
94 10.9 8.7 13.1
80 12.2 10.3 15.5



#66
4-Bromophenyl-phenylether
Concen: 3.91 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.29 min
Lab File: BF083480.D
Acq: 4 Dec 2015 1:24

Tgt Ion:248 Resp: 18758
Ion Ratio Lower Upper
248 100
250 202.1 78.6 118.0#
141 483.5 44.4 66.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 1139

Delta R.T. -0.06 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

Instrument :

BNA_F

ClientSampleId :

SB-01

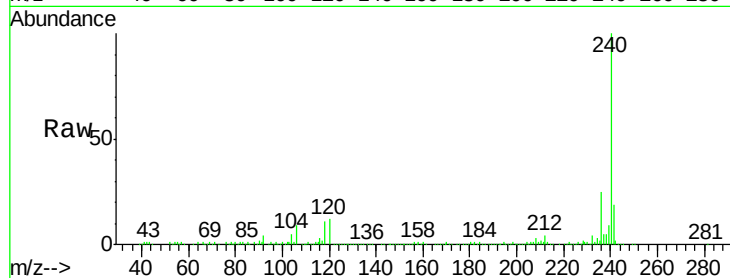
Tgt Ion:240 Resp: 354434

Ion Ratio Lower Upper

240 100

120 12.1 6.9 10.3#

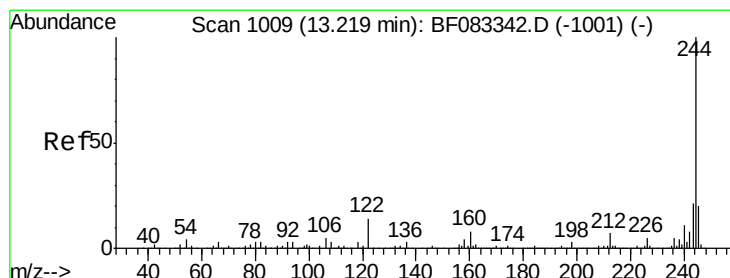
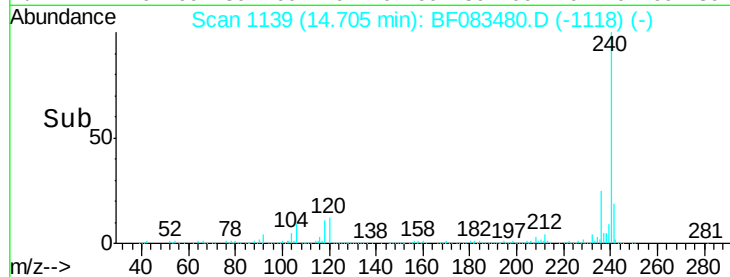
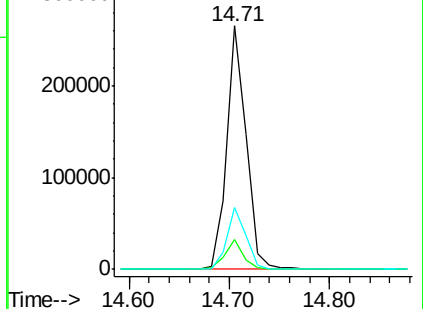
236 25.5 19.8 29.6



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: 78.13 ng

RT: 13.19 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

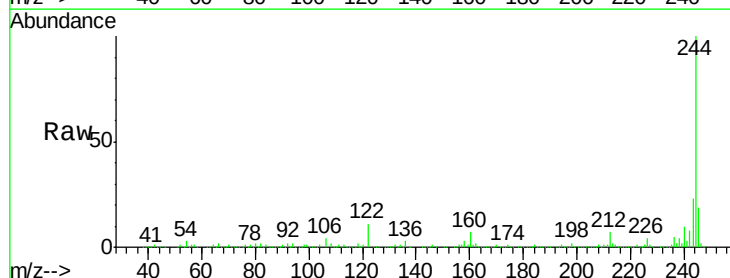
Tgt Ion:244 Resp: 1161098

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

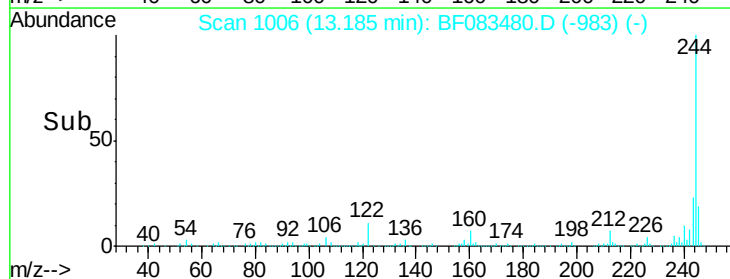
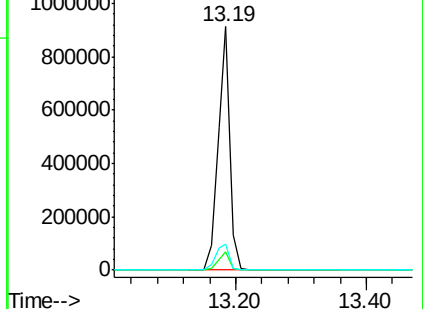
122 10.9 11.0 16.4#

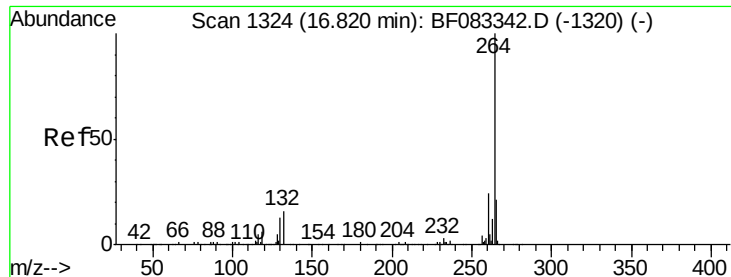


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

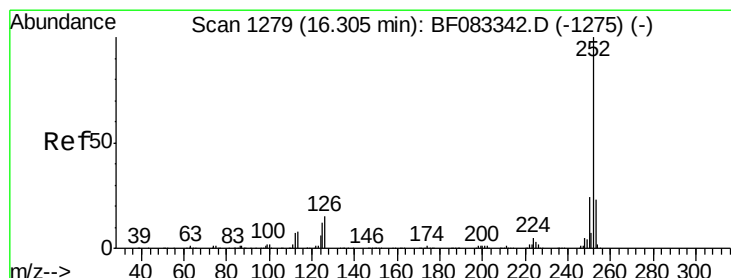
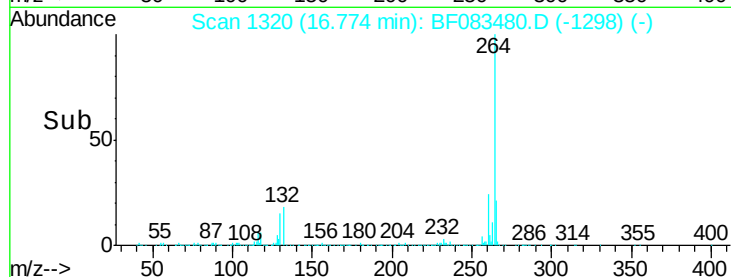
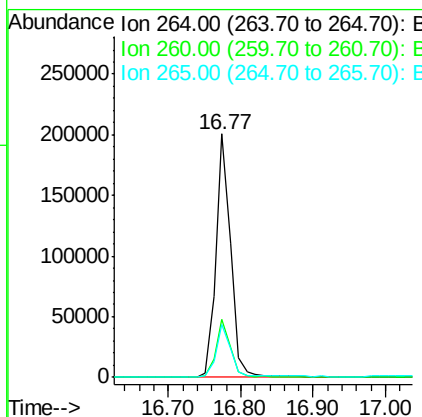
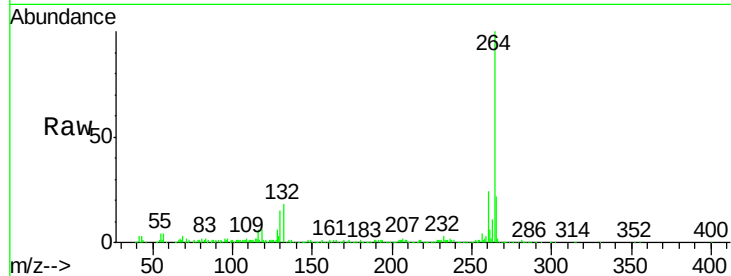




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.77 min Scan# 1320
Delta R.T. -0.05 min
Lab File: BF083480.D
Acq: 4 Dec 2015 1:24

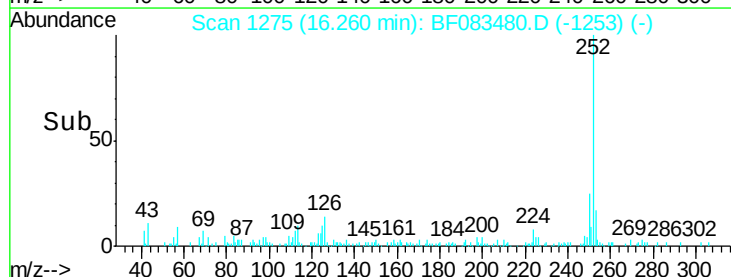
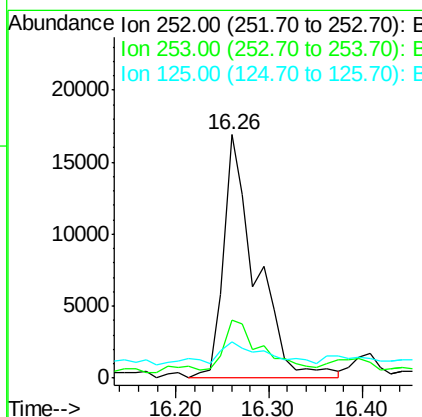
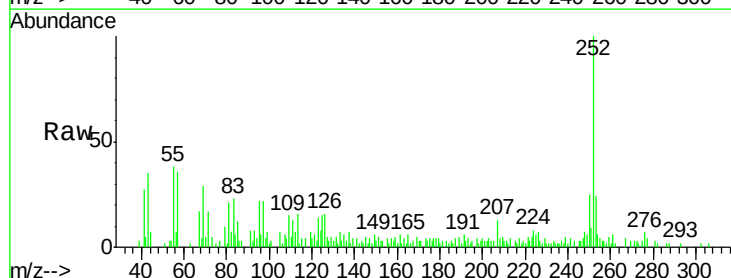
Instrument :
BNA_F
ClientSampleId :
SB-01

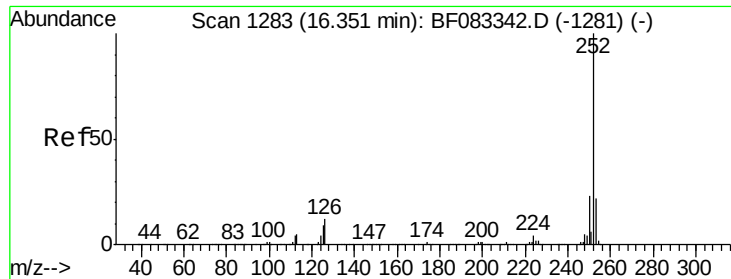
Tgt Ion:264 Resp: 283045
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.4
265 21.8 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 2.25 ng
RT: 16.26 min Scan# 1275
Delta R.T. -0.05 min
Lab File: BF083480.D
Acq: 4 Dec 2015 1:24

Tgt Ion:252 Resp: 40894
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 15.1 9.6 14.4#





#88

Benzo(k)fluoranthene

Concen: 2.38 ng

RT: 16.26 min Scan# 1275

Delta R.T. -0.09 min

Lab File: BF083480.D

Acq: 4 Dec 2015 1:24

Instrument :

BNA_F

ClientSampleId :

SB-01

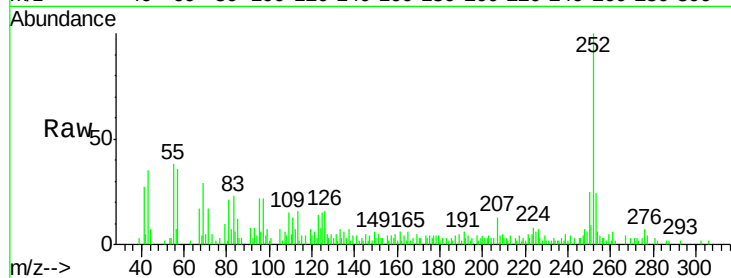
Tgt Ion: 252 Resp: 40894

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 15.1 7.5 11.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

