

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094589.D
 Acq On : 24 Apr 2017 17:04
 Operator : SJ/MA
 Sample : PB98421BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB98421BL

Quant Time: Apr 25 01:06:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

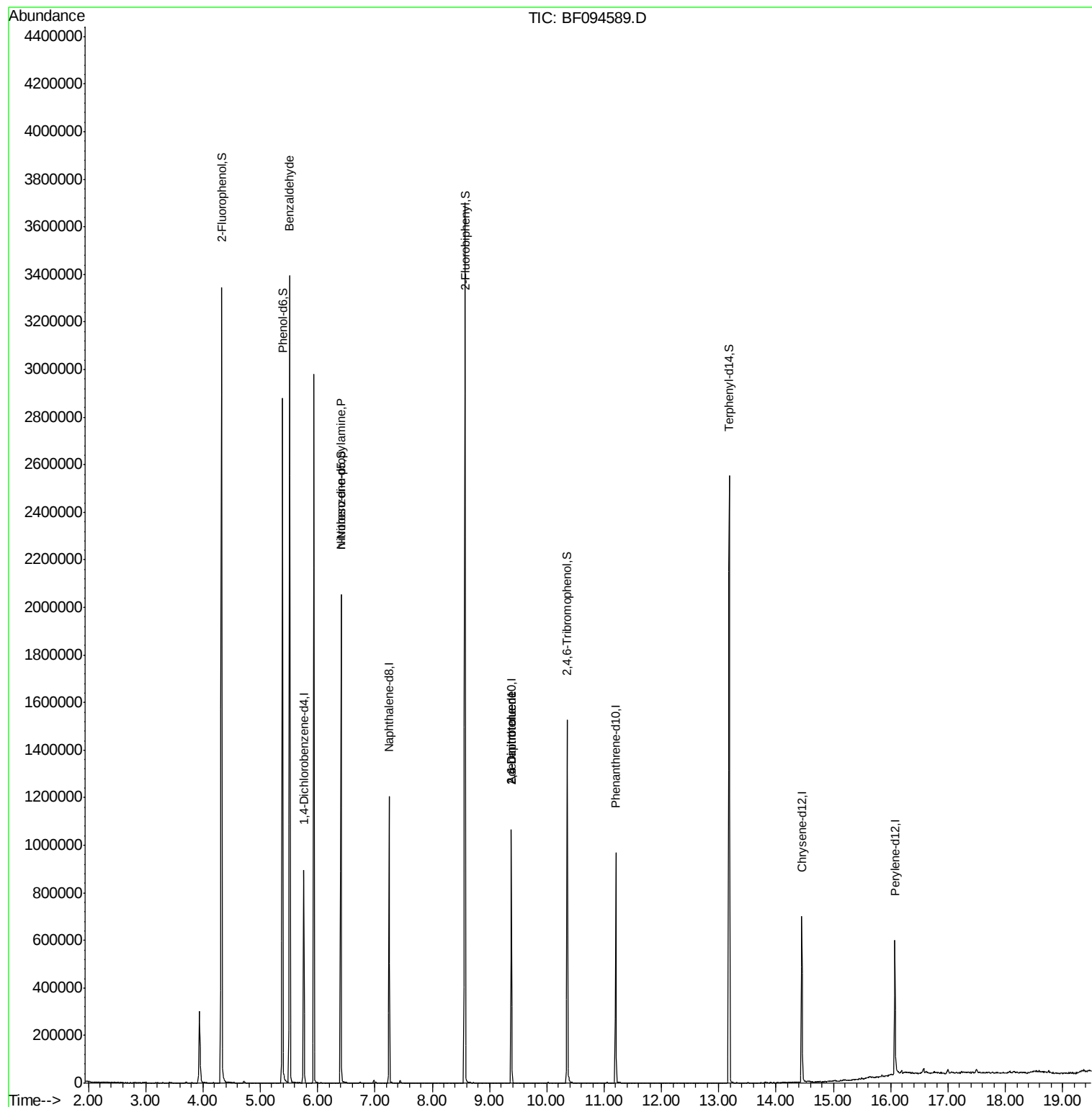
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	145423	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	568150	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	237146	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	384068	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	262089	20.00	ng	-0.02
86) Perylene-d12	16.07	264	236901	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	1027191	117.19	ng	0.02
7) Phenol-d6	5.39	99	1273107	123.20	ng	0.00
23) Nitrobenzene-d5	6.41	82	755144	82.07	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	200748	108.22	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1347521	83.60	ng	-0.01
78) Terphenyl-d14	13.18	244	937888	95.65	ng	-0.01
Target Compounds						
9) Benzaldehyde	5.51	77	21185	2.70	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	6.41	70	98684	14.41	ng	# 77
50) 2,6-Dinitrotoluene	9.38	165	30143	7.60	ng	# 33
56) 2,4-Dinitrotoluene	9.38	165	30142	6.19	ng	# 33

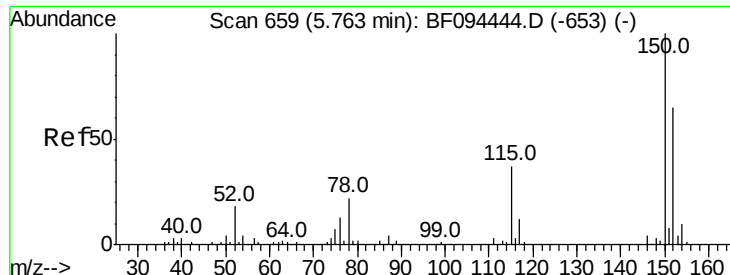
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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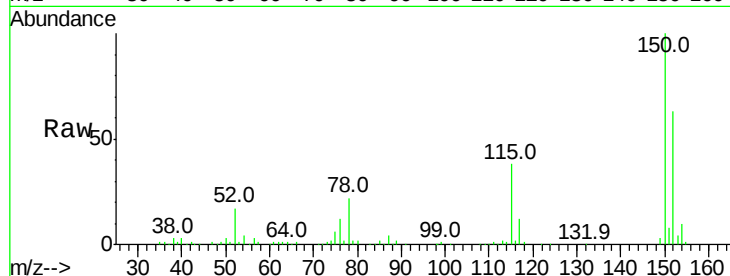


#1

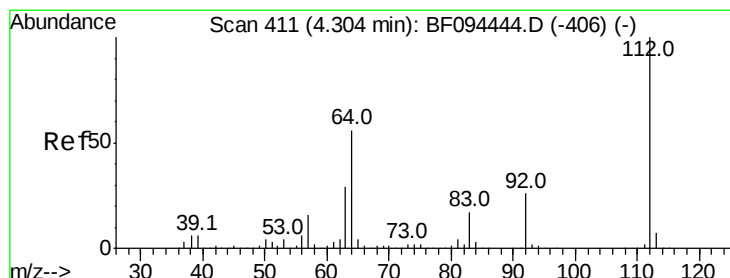
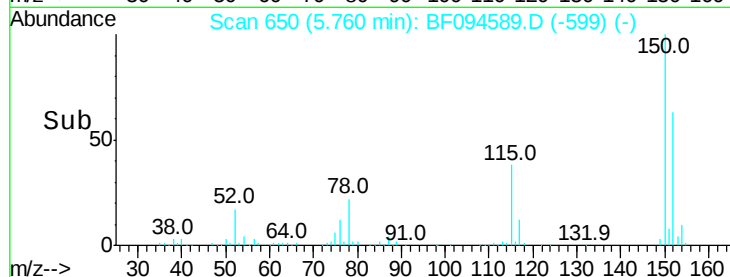
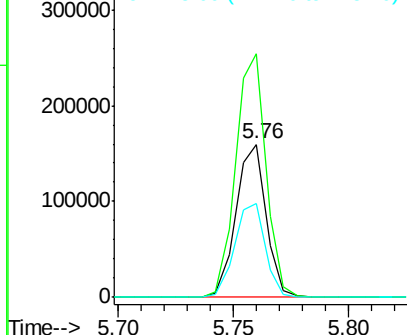
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094589.D
Acq: 24 Apr 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PB98421BL

Tot Ion:152 Resp: 145423
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 61.0 52.2 78.2



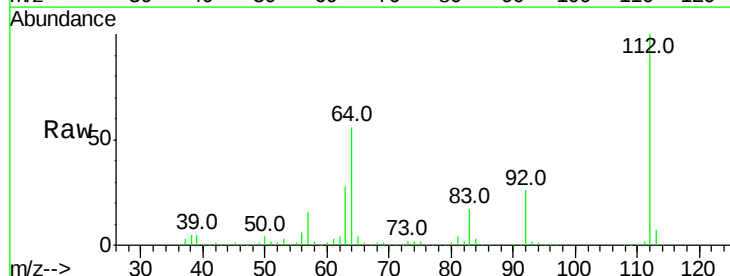
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



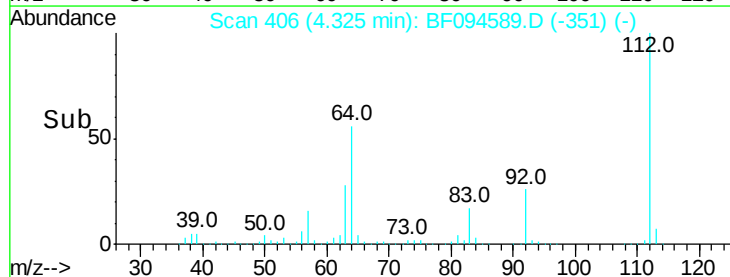
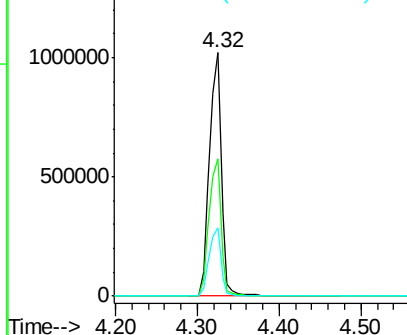
#5

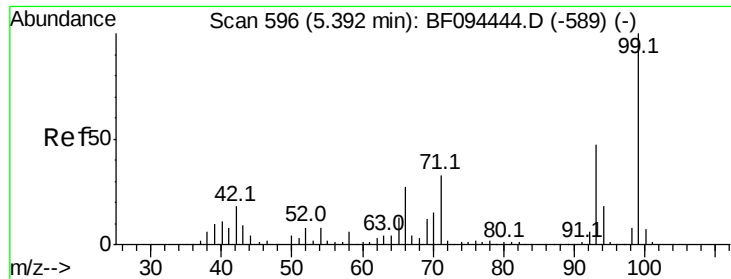
2-Fluorophenol
Concen: 117.19 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094589.D
Acq: 24 Apr 2017 17:04

Tgt Ion:112 Resp: 1027191
Ion Ratio Lower Upper
112 100
64 56.2 46.0 69.0
63 27.9 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: 123.20 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094589.D

Acq: 24 Apr 2017 17:04

Instrument :

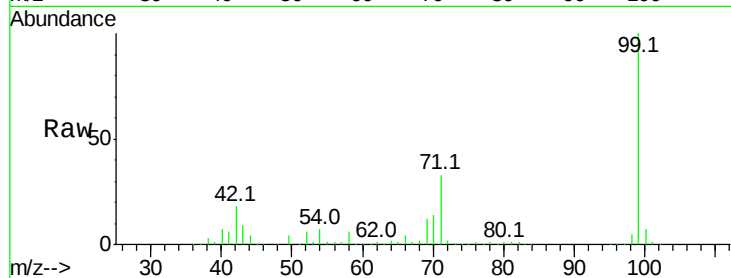
BNA_F

ClientSampleId :

PB98421BL

Tot Ion: 99 Resp: 1273107

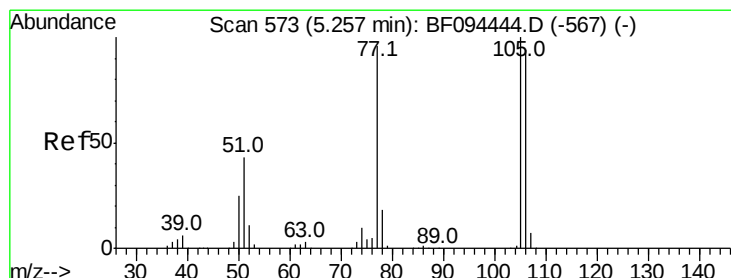
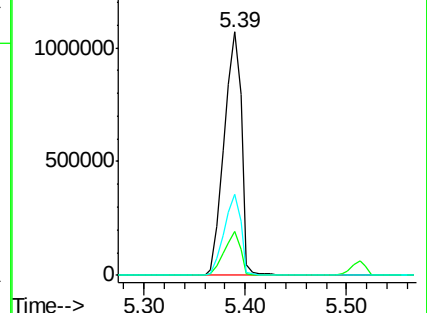
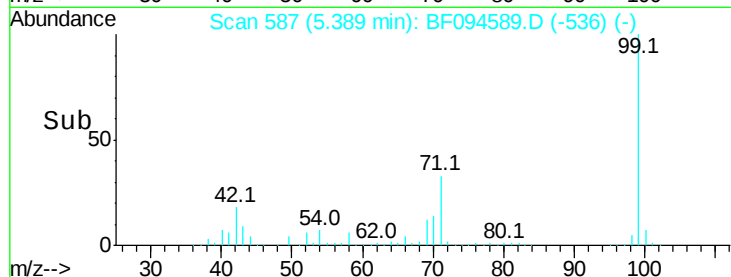
Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.5	20.3
71	33.4	24.5	36.7



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



#9

Benzaldehyde

Concen: 2.70 ng

RT: 5.51 min Scan# 608

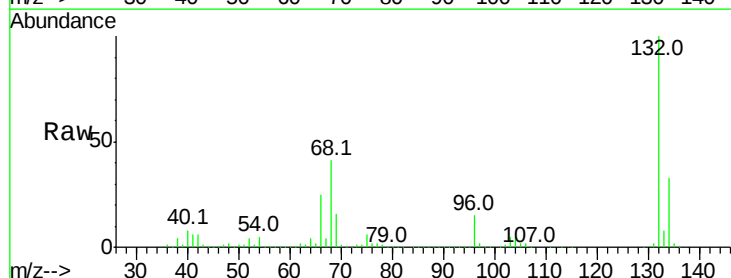
Delta R.T. 0.26 min

Lab File: BF094589.D

Acq: 24 Apr 2017 17:04

Tgt Ion: 77 Resp: 21185

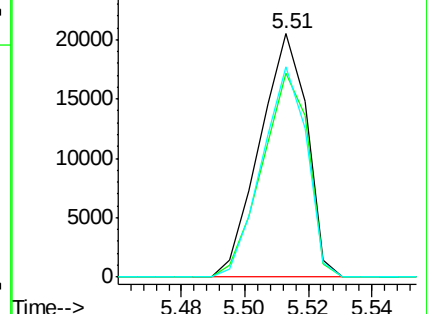
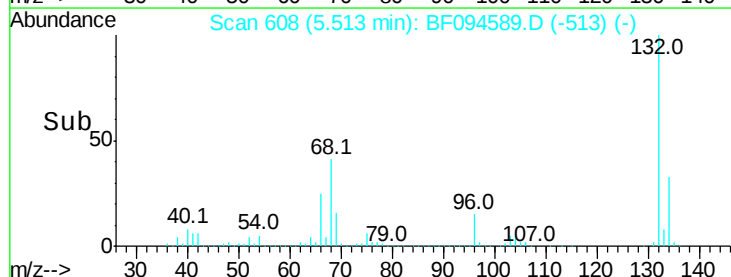
Ion	Ratio	Lower	Upper
77	100		
105	83.8	83.8	123.8
106	86.4	79.1	119.1

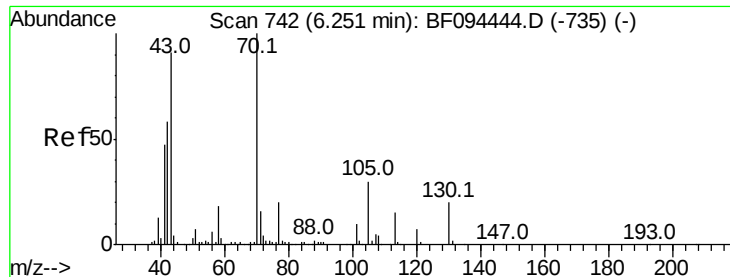


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

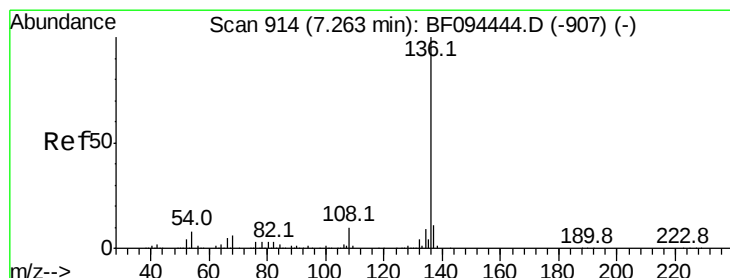
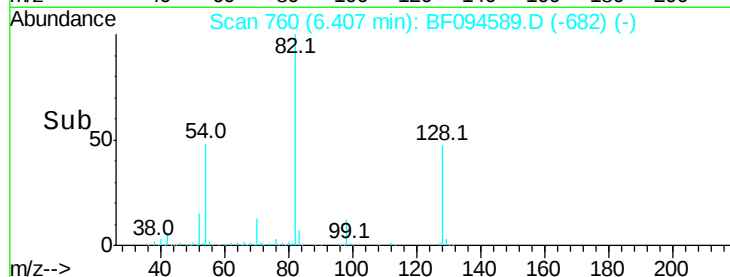
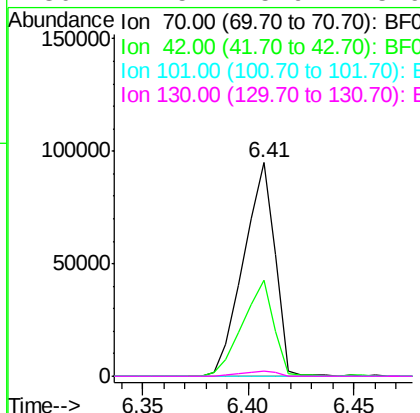
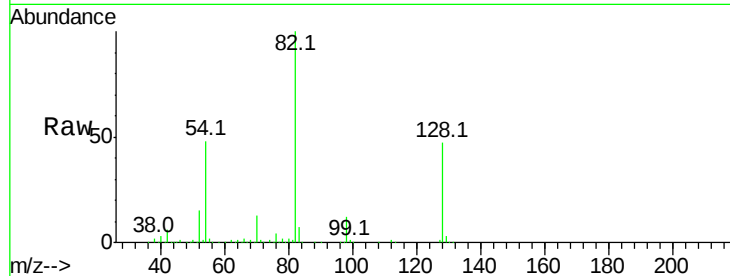




#19
n-Nitroso-di-n-propylamine
Concen: 14.41 ng
RT: 6.41 min Scan# 760
Delta R.T. 0.16 min
Lab File: BF094589.D
Acq: 24 Apr 2017 17:04

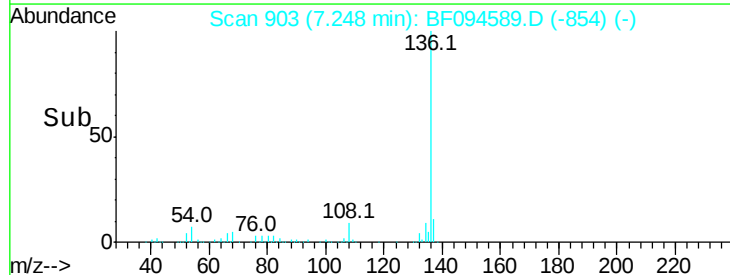
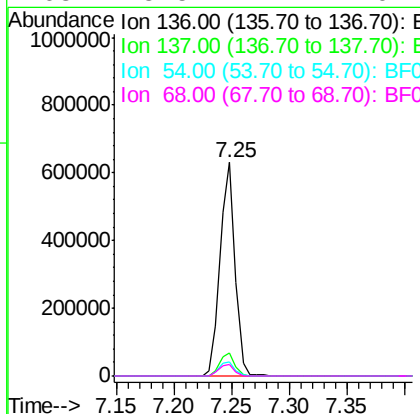
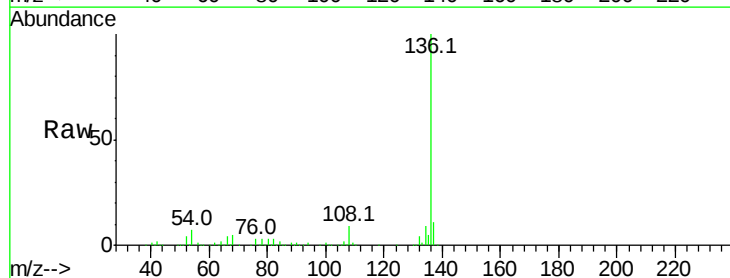
Instrument :
BNA_F
ClientSampleId :
PB98421BL

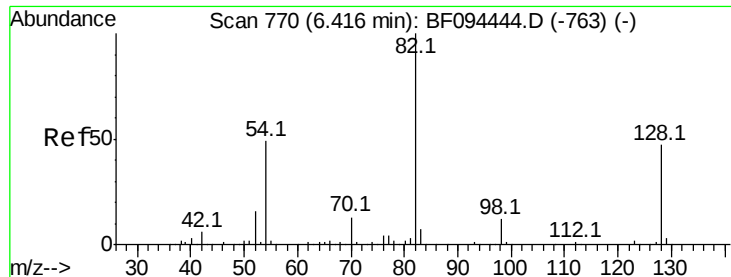
Tot Ion: 70 Resp: 98684
Ion Ratio Lower Upper
70 100
42 45.3 47.2 70.8#
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF094589.D
Acq: 24 Apr 2017 17:04

Tgt Ion:136 Resp: 568150
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.9 4.9 7.3
68 5.5 4.1 6.1

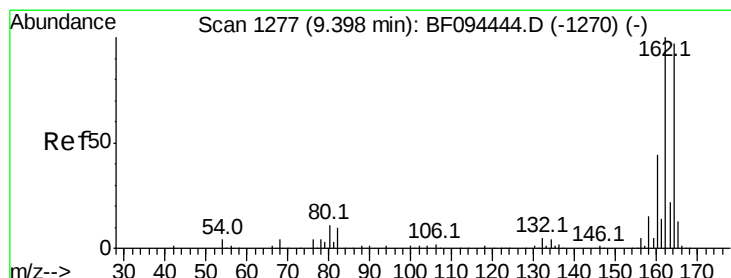
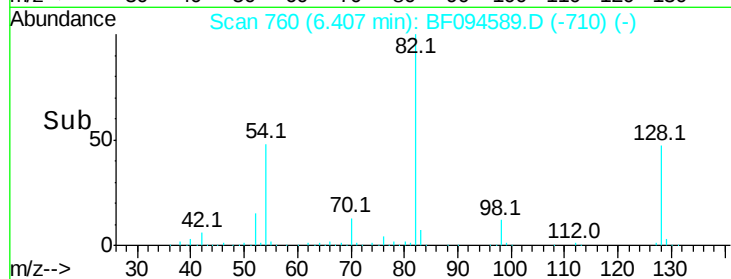
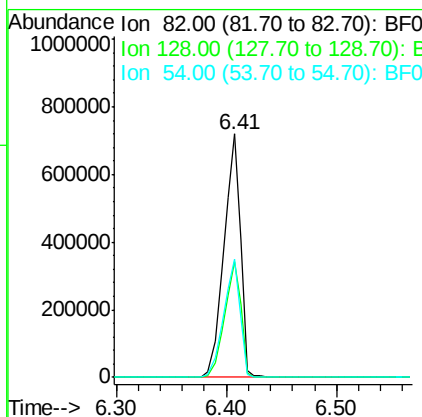
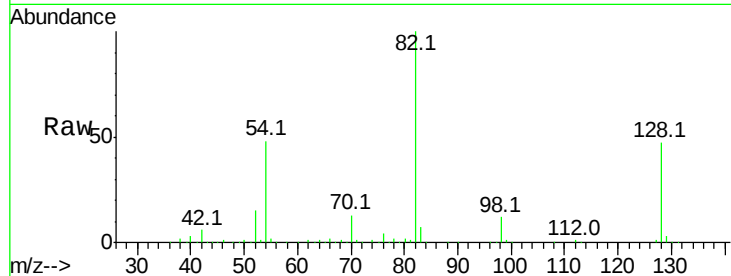




#23
 Nitrobenzene-d5
 Concen: 82.07 ng
 RT: 6.41 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF094589.D
 Acq: 24 Apr 2017 17:04

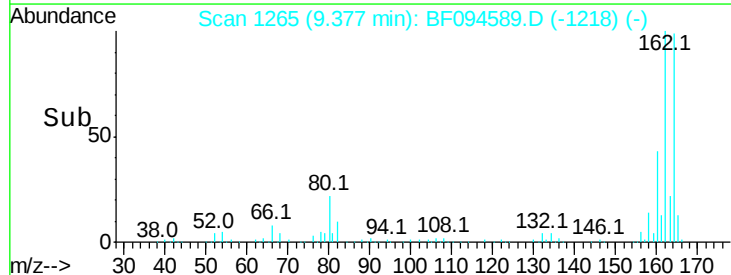
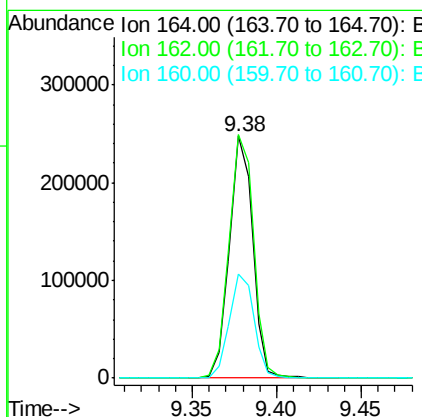
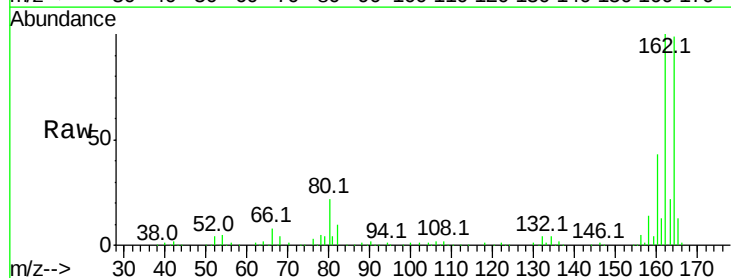
Instrument :
 BNA_F
 ClientSampleID :
 PB98421BL

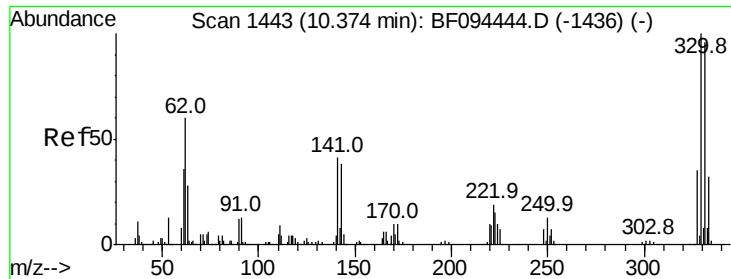
Tot Ion	82	Resp	755144
Ion Ratio	100		
Lower	34.0		
Upper	51.0		
54	48.4	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094589.D
 Acq: 24 Apr 2017 17:04

Tgt Ion	164	Resp	237146
Ion Ratio	100		
Lower	82.6		
Upper	123.8		
162	100.6	36.2	54.2

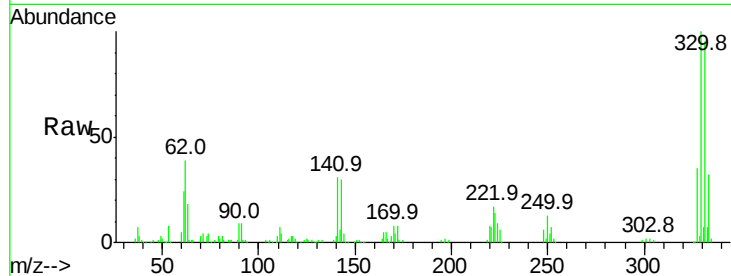




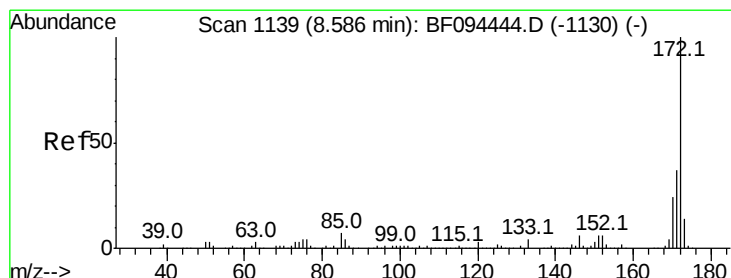
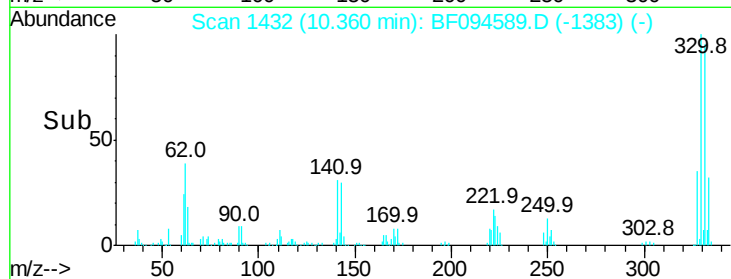
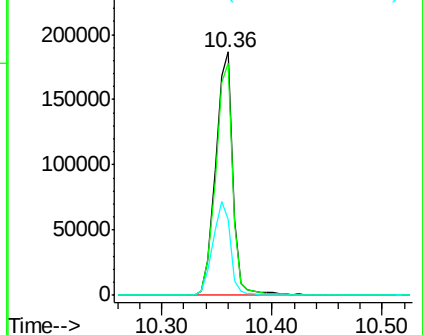
#41
 2,4,6-Tribromophenol
 Concen: 108.22 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094589.D
 Acq: 24 Apr 2017 17:04

Instrument :
 BNA_F
 ClientSampleId :
 PB98421BL

Tot Ion:330 Resp: 200748
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 39.3 31.4 47.2

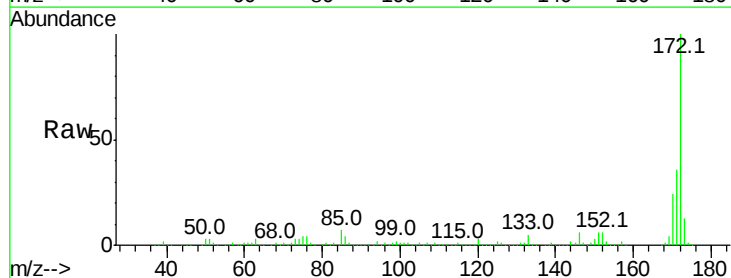


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

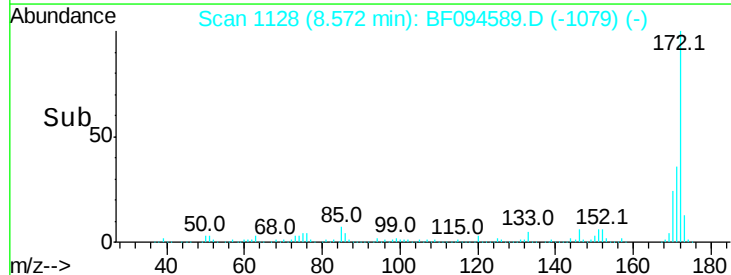
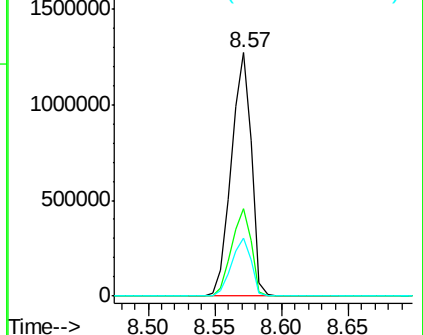


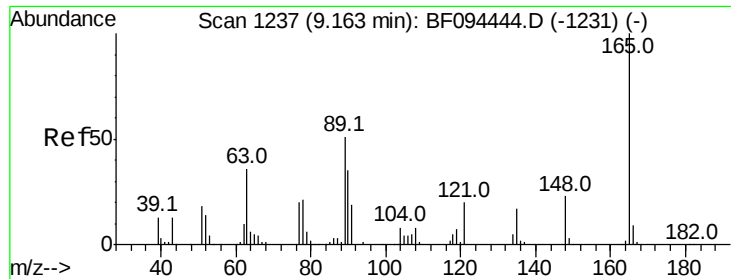
#44
 2-Fluorobiphenyl
 Concen: 83.60 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094589.D
 Acq: 24 Apr 2017 17:04

Tgt Ion:172 Resp: 1347521
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.0 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





#50

2,6-Dinitrotoluene

Concen: 7.60 ng

RT: 9.38 min Scan# 1265

Delta R.T. 0.21 min

Lab File: BF094589.D

Acq: 24 Apr 2017 17:04

Instrument :

BNA_F

ClientSampleId :

PB98421BL

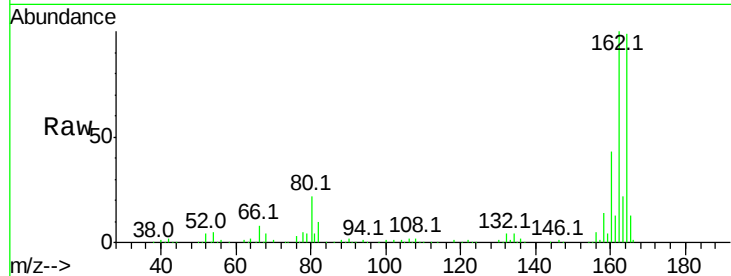
Tot Ion:165 Resp: 30143

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

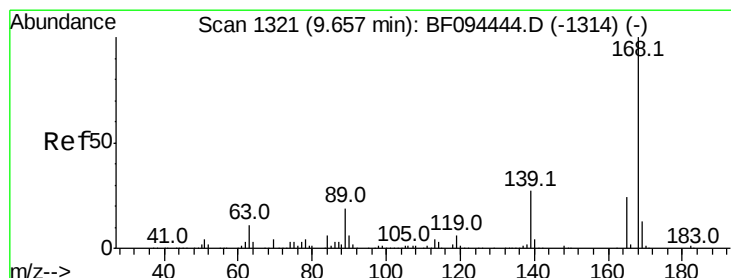
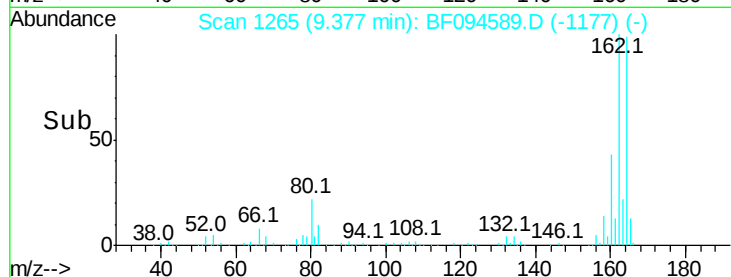
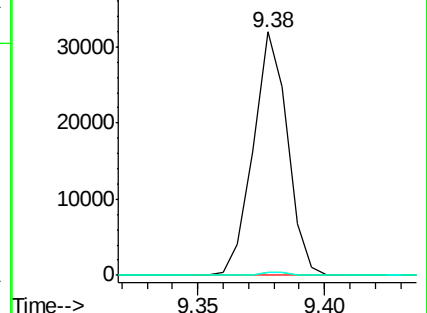
89 1.2 37.1 55.7#



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: 6.19 ng

RT: 9.38 min Scan# 1265

Delta R.T. -0.28 min

Lab File: BF094589.D

Acq: 24 Apr 2017 17:04

Tgt Ion:165 Resp: 30142

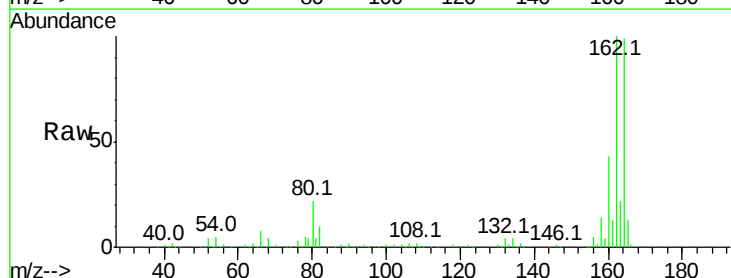
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

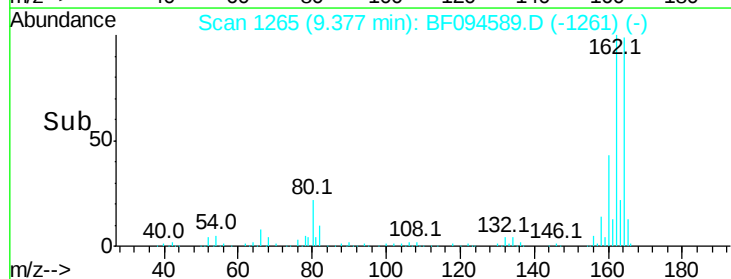
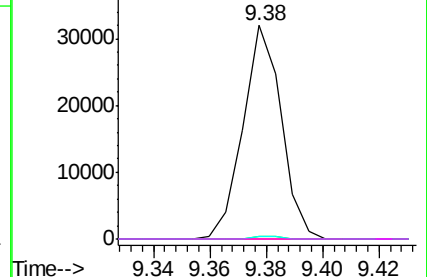


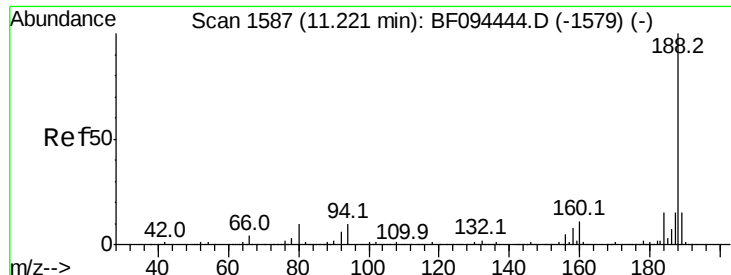
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 11.20 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF094589.D

Acq: 24 Apr 2017 17:04

Instrument :

BNA_F

ClientSampleId :

PB98421BL

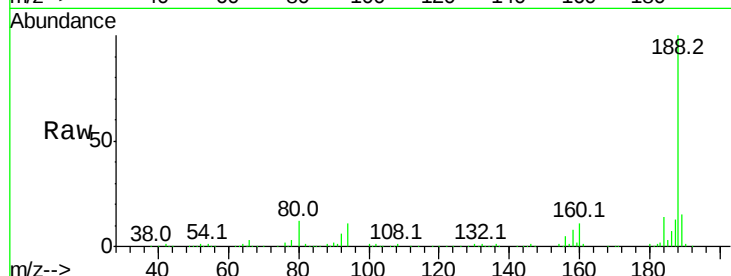
Tot Ion:188 Resp: 384068

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

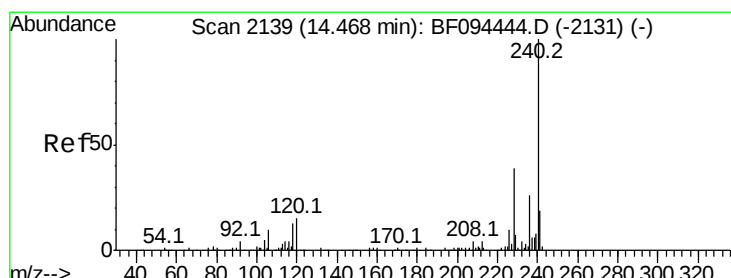
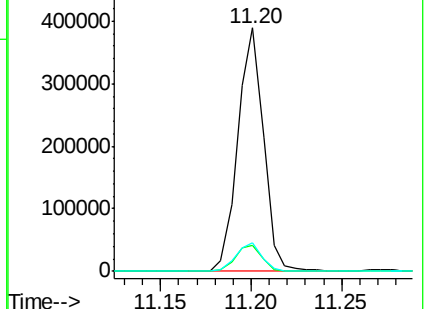
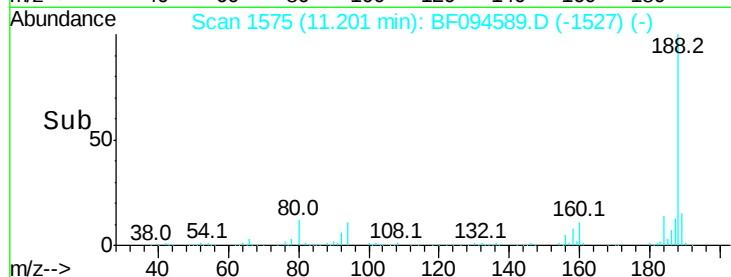
80 11.6 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BF094589.D

Acq: 24 Apr 2017 17:04

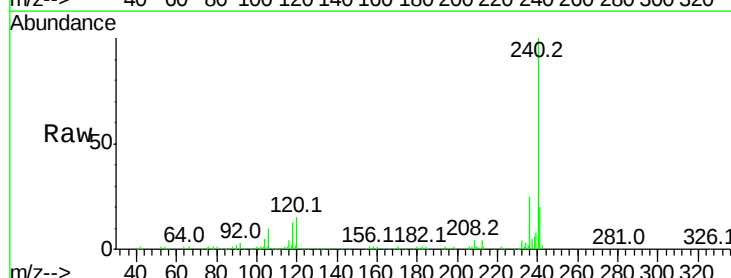
Tgt Ion:240 Resp: 262089

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

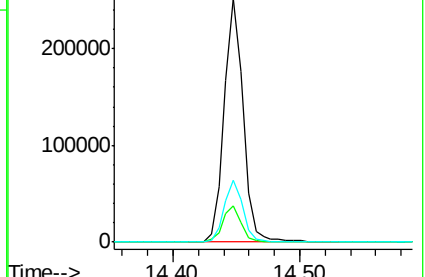
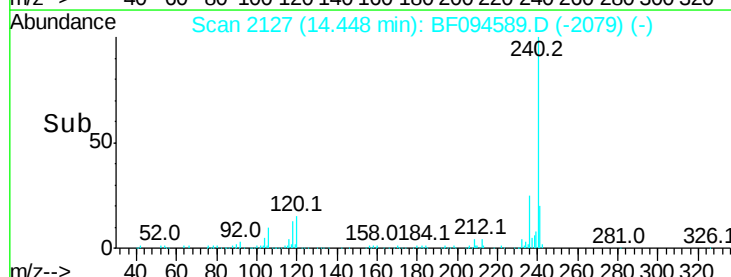
236 25.4 20.5 30.7

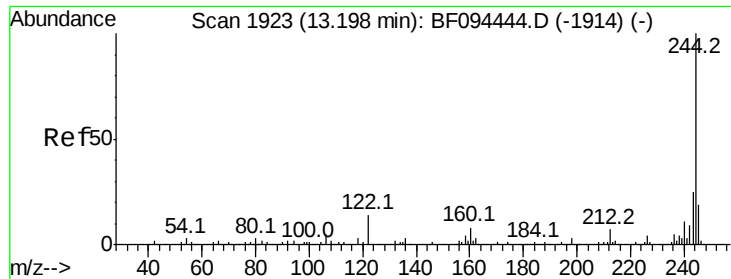


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

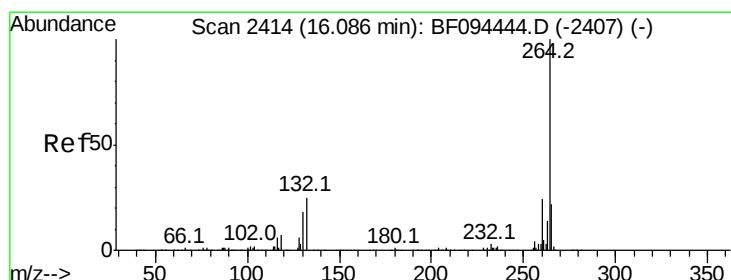
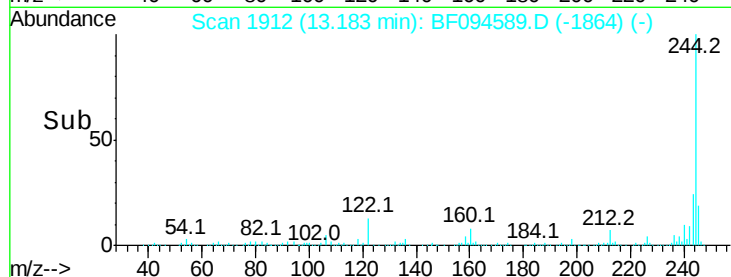
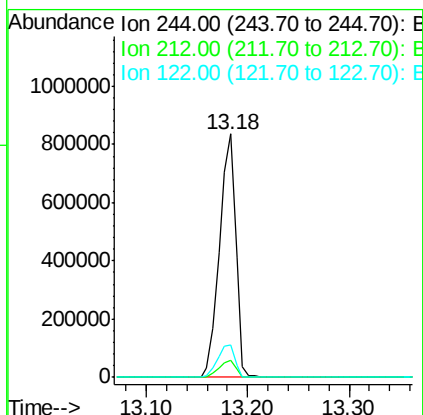
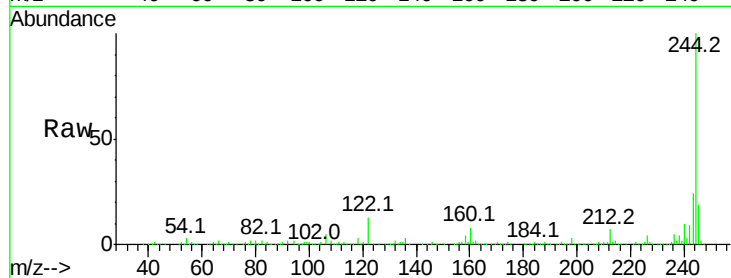




#78
 Terphenyl-d14
 Concen: 95.65 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094589.D
 Acq: 24 Apr 2017 17:04

Instrument :
 BNA_F
 ClientSampleId :
 PB98421BL

Tot Ion:244 Resp: 937888
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.4 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.07 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BF094589.D
 Acq: 24 Apr 2017 17:04

Tgt Ion:264 Resp: 236901
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.7 17.2 25.8

