

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094643.D
 Acq On : 26 Apr 2017 13:37
 Operator : SJ/MA
 Sample : PB98542TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 01:21:24 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

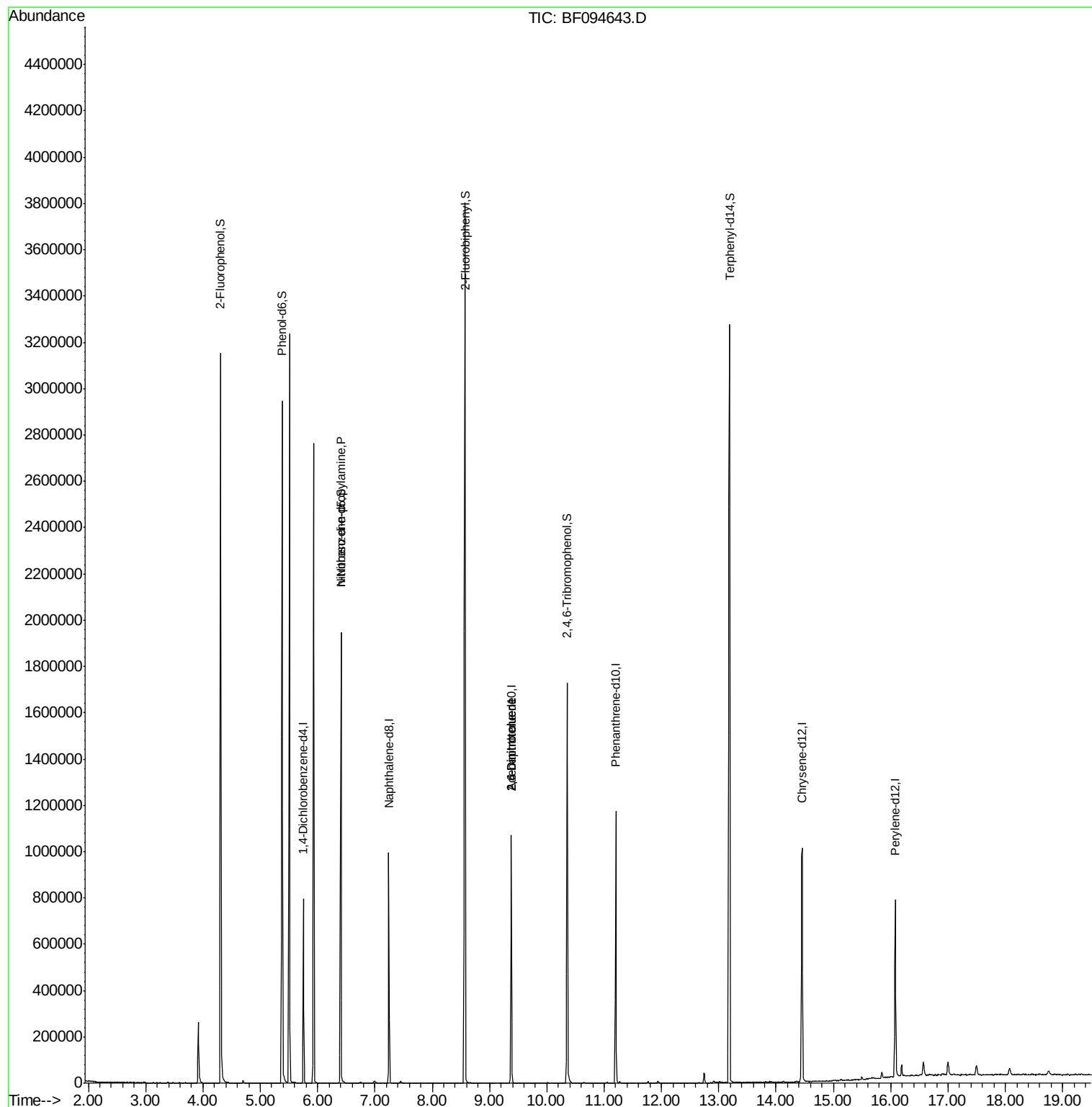
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	123126	20.00	ng	0.00
21) Naphthalene-d8	7.24	136	498774	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	236857	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	484101	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	426034	20.00	ng	-0.01
86) Perylene-d12	16.08	264	337890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	991620	133.62	ng	0.00
7) Phenol-d6	5.38	99	1195626	136.66	ng	0.00
23) Nitrobenzene-d5	6.41	82	733167	90.77	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	227774	122.94	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1382110	85.86	ng	-0.01
78) Terphenyl-d14	13.19	244	1414398	88.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	95372	16.45	ng	# 77
50) 2,6-Dinitrotoluene	9.38	165	30026	7.58	ng	# 34
56) 2,4-Dinitrotoluene	9.38	165	30025	6.18	ng	# 33

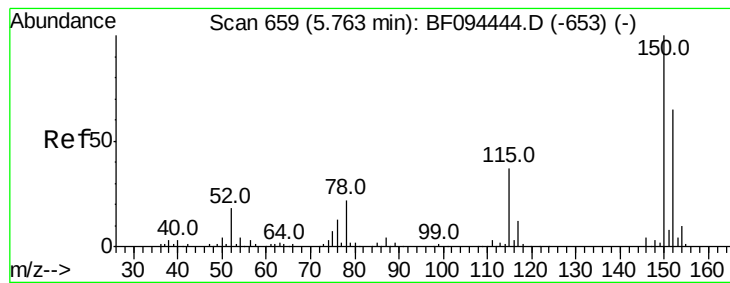
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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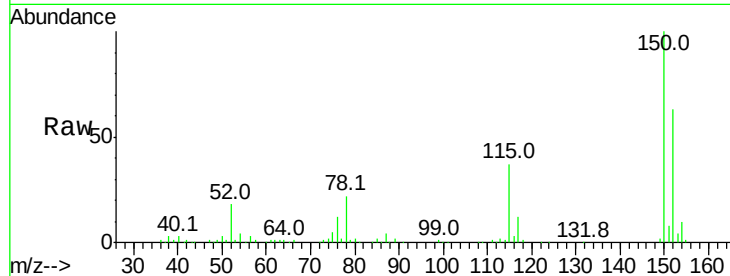


#1

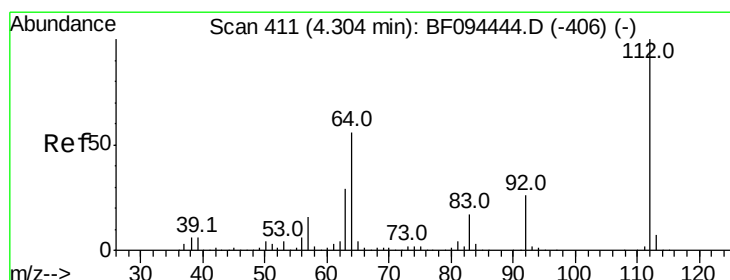
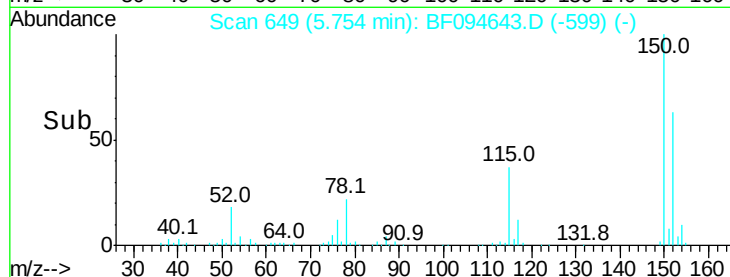
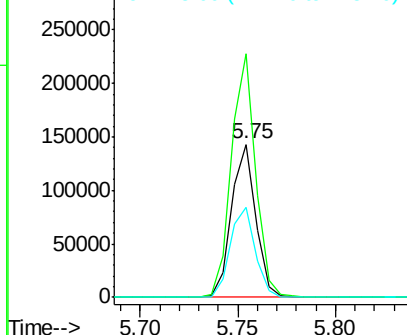
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094643.D
Acq: 26 Apr 2017 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	59.2	52.2	78.2



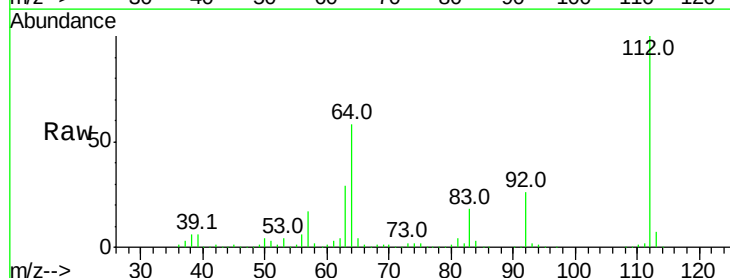
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



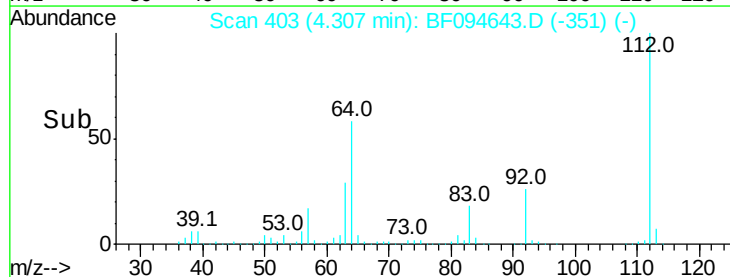
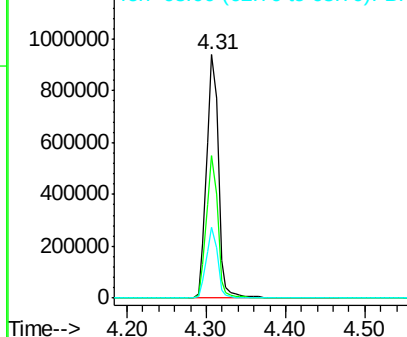
#5

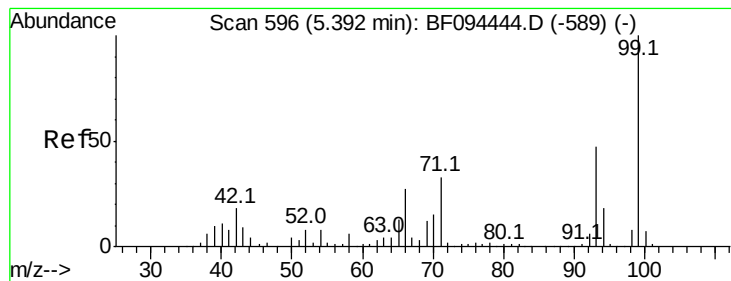
2-Fluorophenol
Concen: 133.62 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094643.D
Acq: 26 Apr 2017 13:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.0	69.0
63	28.9	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: 136.66 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094643.D

Acq: 26 Apr 2017 13:37

Instrument :

BNA_F

ClientSampled :

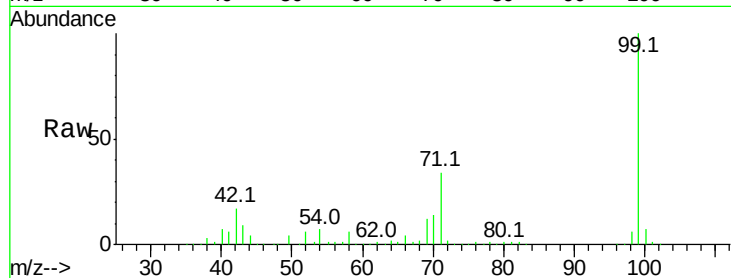
Tot Ion: 99 Resp: 1195626

Ion Ratio Lower Upper

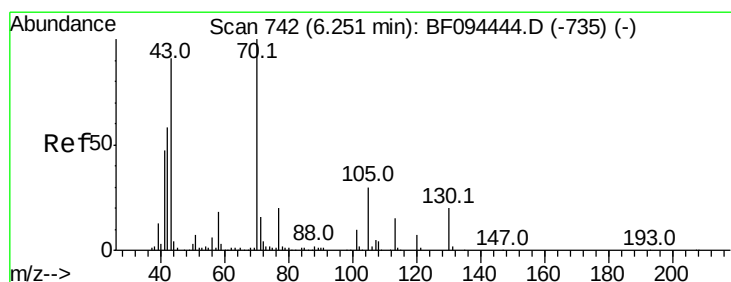
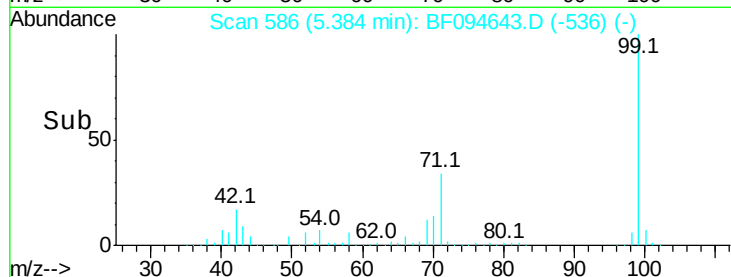
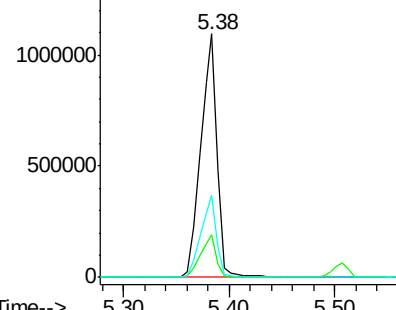
99 100

42 17.4 13.5 20.3

71 33.8 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: 16.45 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094643.D

Acq: 26 Apr 2017 13:37

Tgt Ion: 70 Resp: 95372

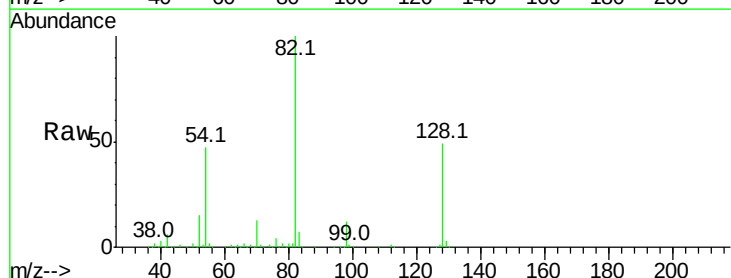
Ion Ratio Lower Upper

70 100

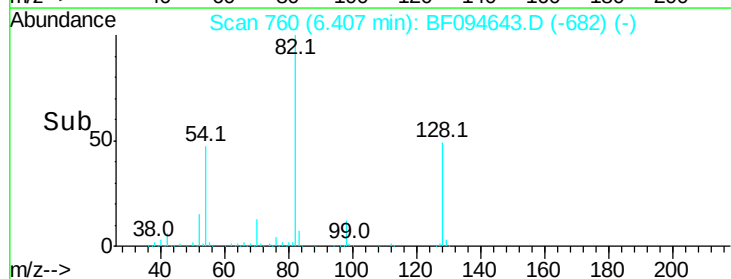
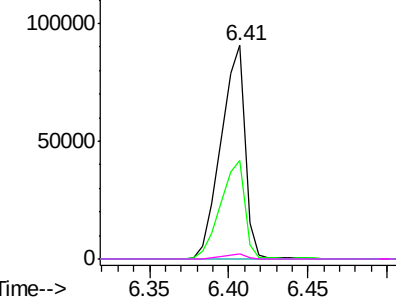
42 46.0 47.2 70.8#

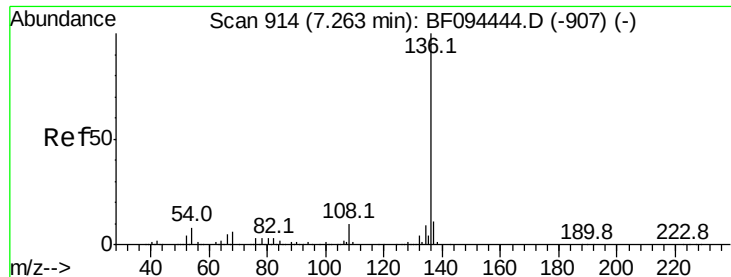
101 0.0 7.2 10.8#

130 2.3 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: 7.24 min Scan# 902

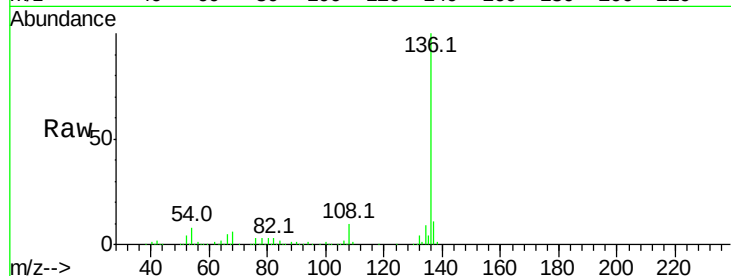
Delta R.T. -0.02 min

Lab File: BF094643.D

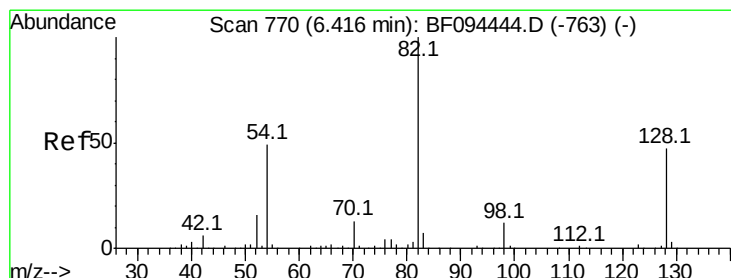
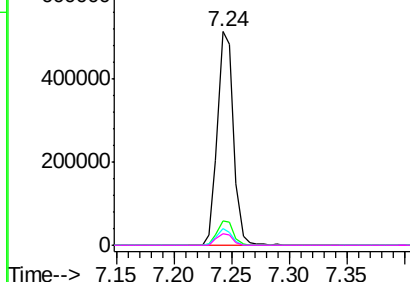
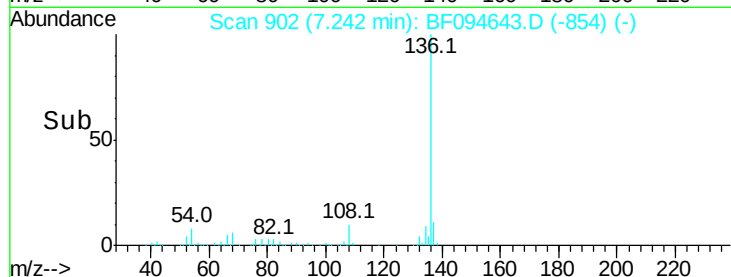
Acq: 26 Apr 2017 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	498774
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.5 12.7
54	7.8	4.9 7.3#
68	5.7	4.1 6.1



Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
Ion 68.00 (67.70 to 68.70): BF0
200000
0



#23

Nitrobenzene-d5

Concen: 90.77 ng

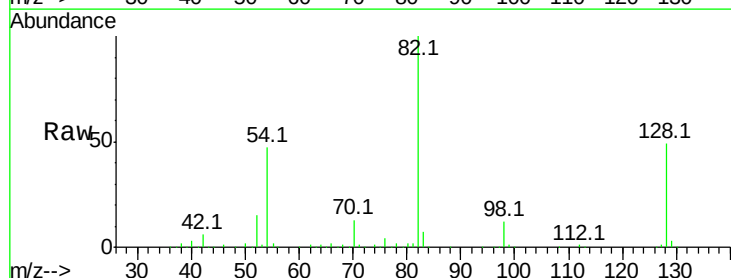
RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

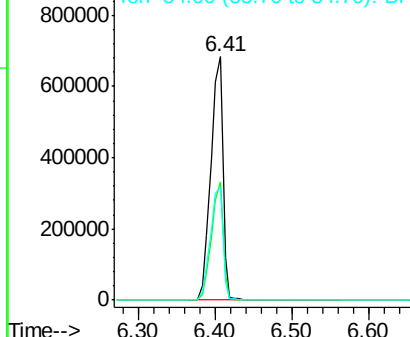
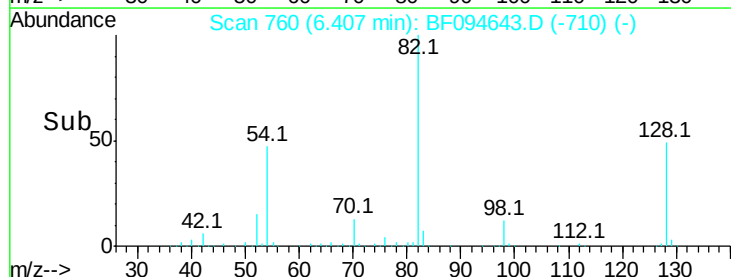
Lab File: BF094643.D

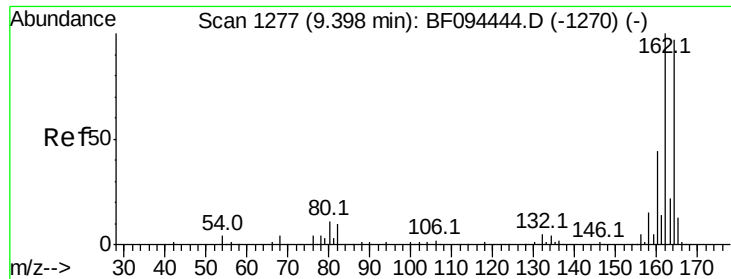
Acq: 26 Apr 2017 13:37

Tgt Ion: 82	Resp:	733167
Ion	Ratio	Lower Upper
82	100	
128	48.5	34.0 51.0
54	46.6	42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
800000
Ion 128.00 (127.70 to 128.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
200000
0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094643.D

Acq: 26 Apr 2017 13:37

Instrument :

BNA_F

ClientSampleId :

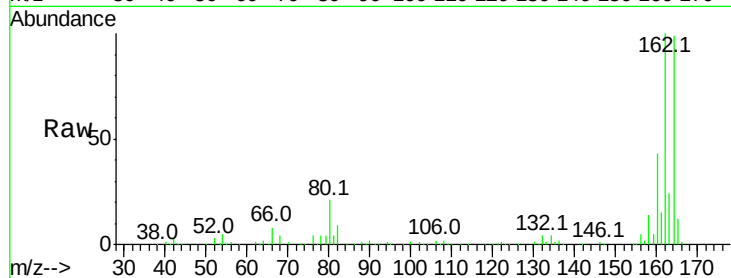
Tot Ion:164 Resp: 236857

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

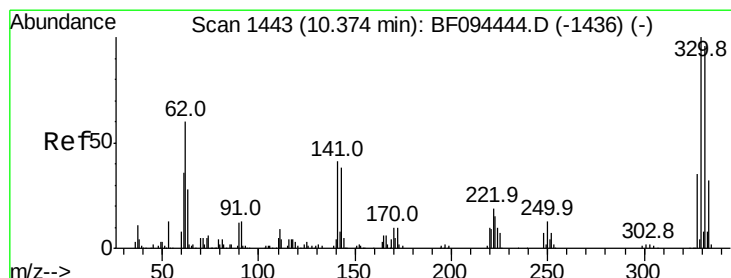
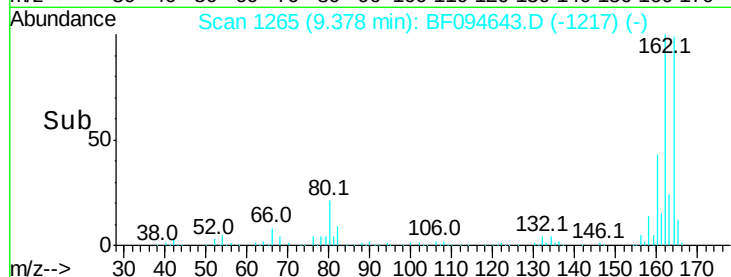
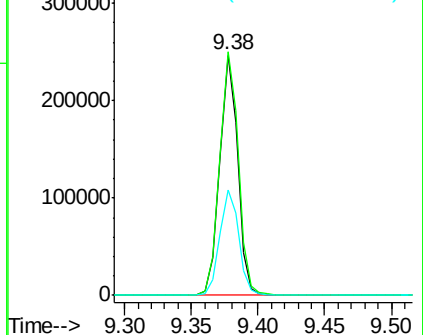
160 44.0 36.2 54.2



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: 122.94 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094643.D

Acq: 26 Apr 2017 13:37

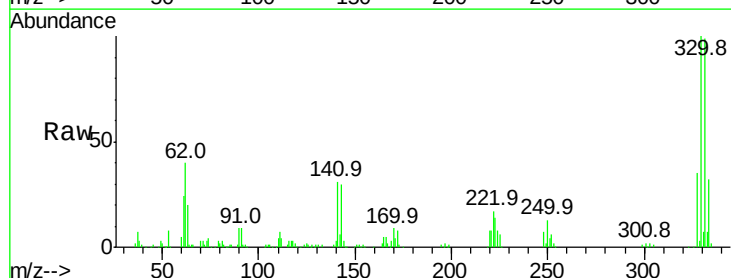
Tgt Ion:330 Resp: 227774

Ion Ratio Lower Upper

330 100

332 99.4 76.6 115.0

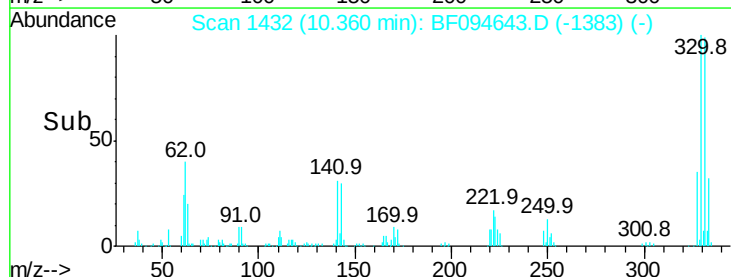
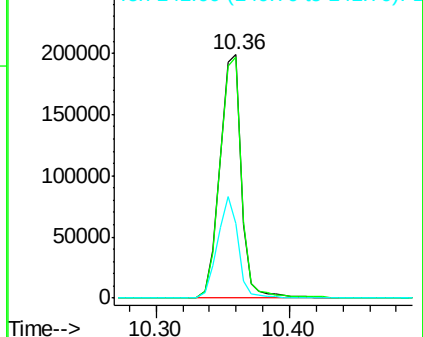
141 40.0 31.4 47.2

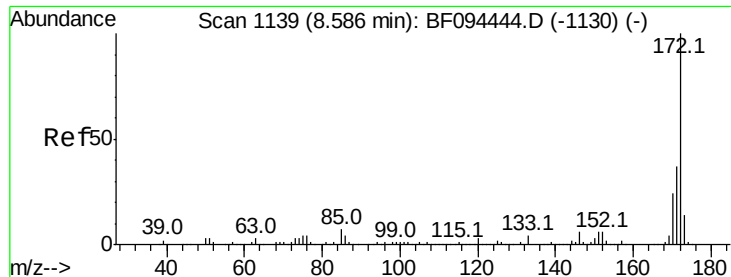


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



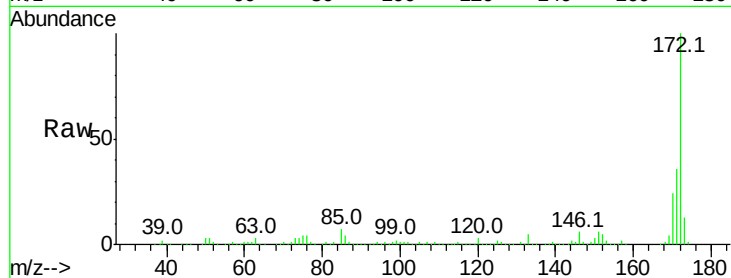


#44
 2-Fluorobiphenyl
 Concen: 85.86 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094643.D
 Acq: 26 Apr 2017 13:37

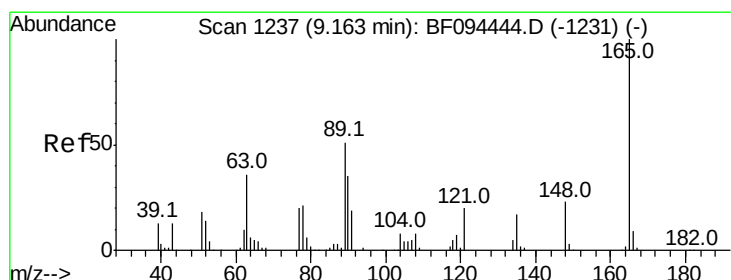
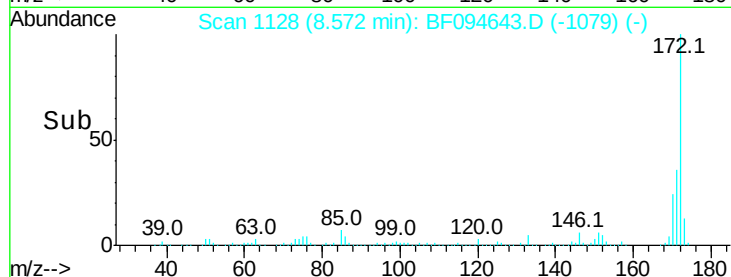
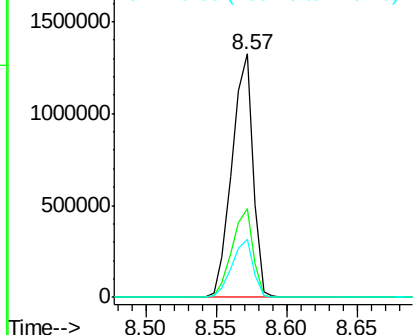
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1382110

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.0	19.8	29.8



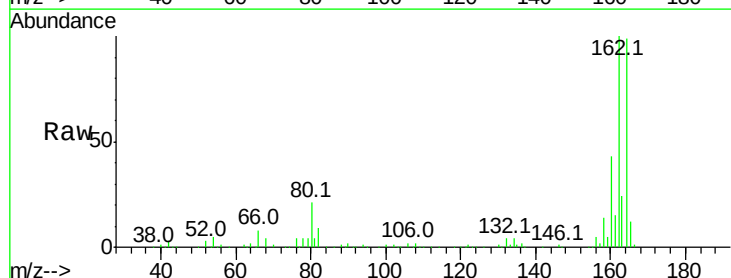
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



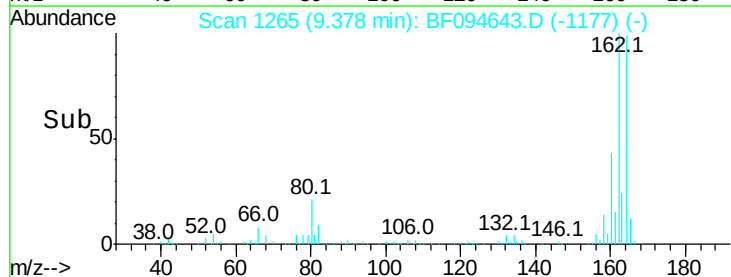
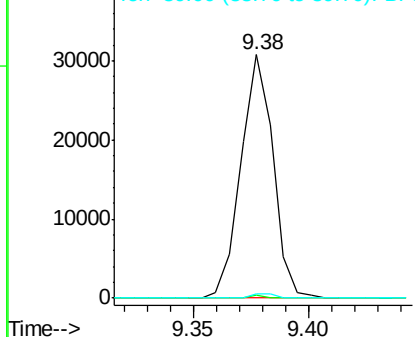
#50
 2,6-Dinitrotoluene
 Concen: 7.58 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. 0.21 min
 Lab File: BF094643.D
 Acq: 26 Apr 2017 13:37

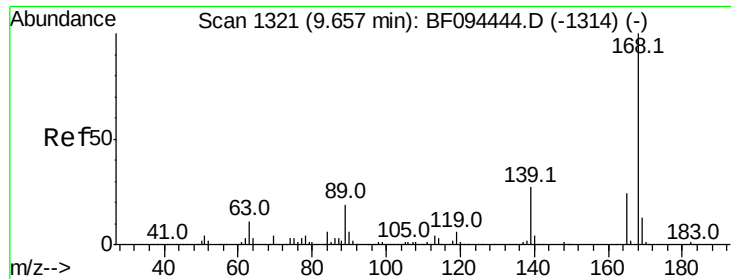
Tgt Ion:165 Resp: 30026

Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.5	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

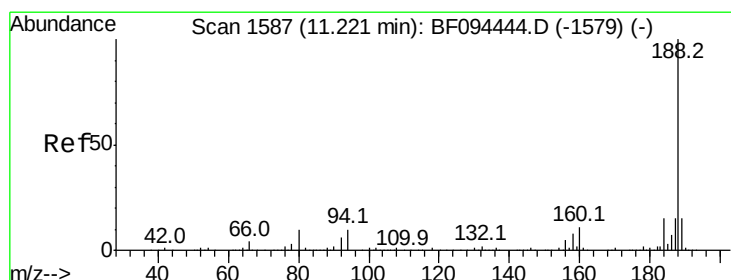
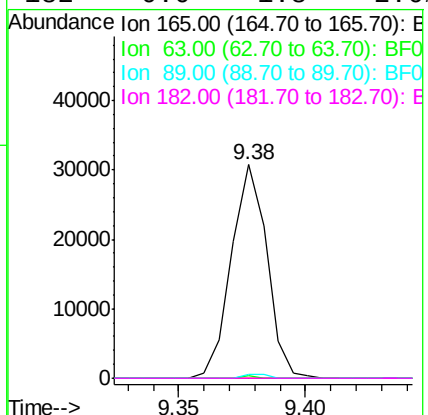
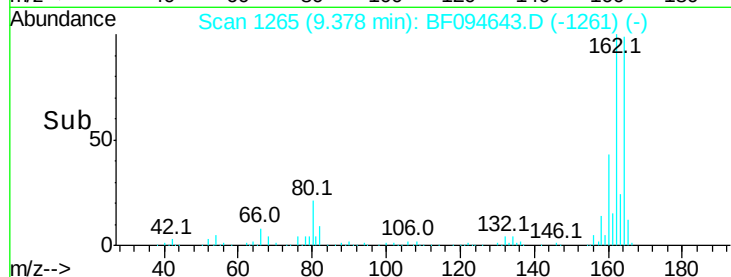
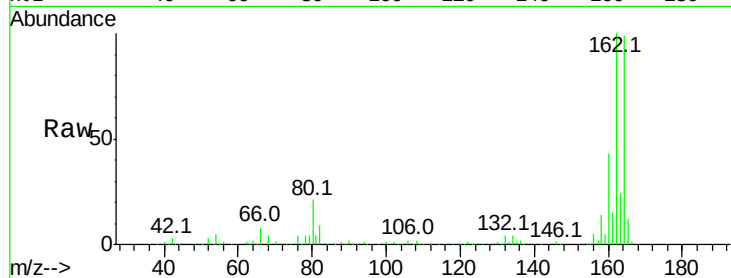




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094643.D
 Acq: 26 Apr 2017 13:37

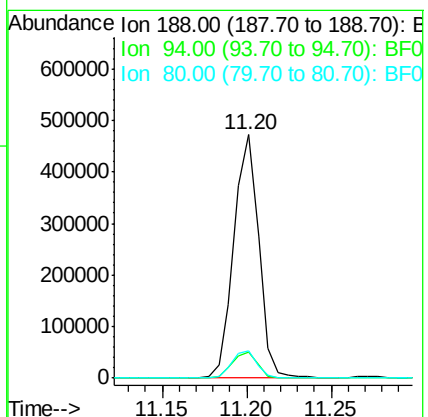
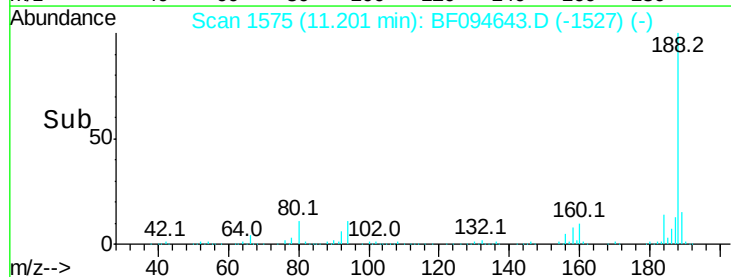
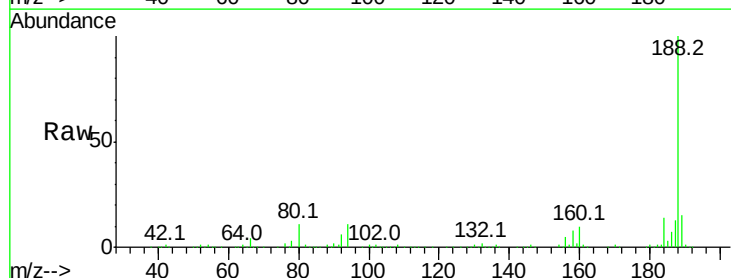
Instrument :
 BNA_F
 ClientSampleId :

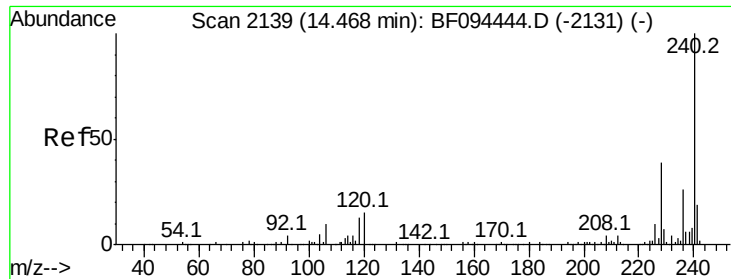
Tot Ion:165 Resp: 30025
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094643.D
 Acq: 26 Apr 2017 13:37

Tgt Ion:188 Resp: 484101
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 11.5 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094643.D

Acq: 26 Apr 2017 13:37

Instrument :

BNA_F

ClientSampleId :

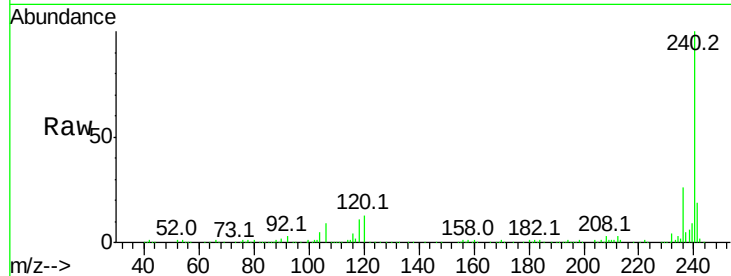
Tot Ion:240 Resp: 426034

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

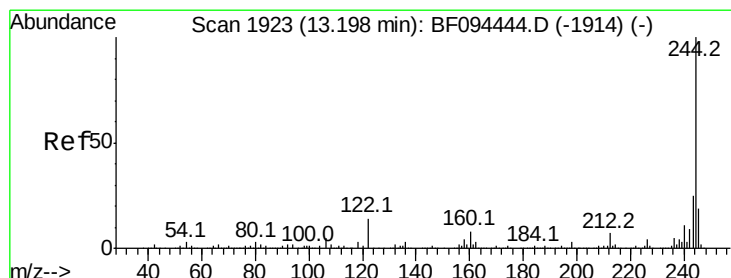
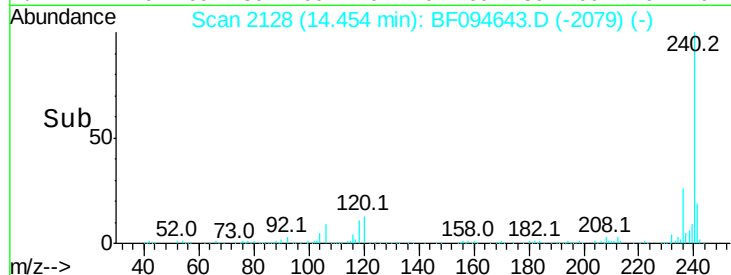
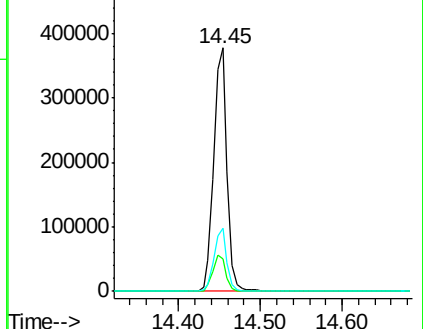
236 25.9 20.5 30.7



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: 88.74 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094643.D

Acq: 26 Apr 2017 13:37

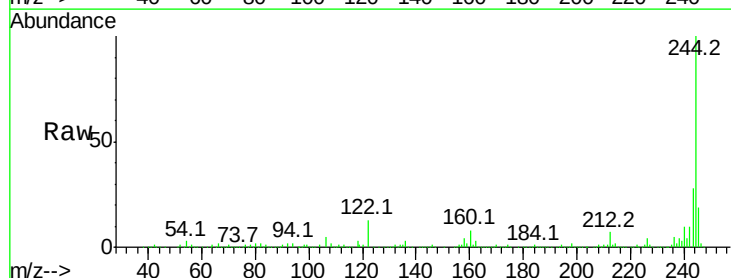
Tgt Ion:244 Resp: 1414398

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

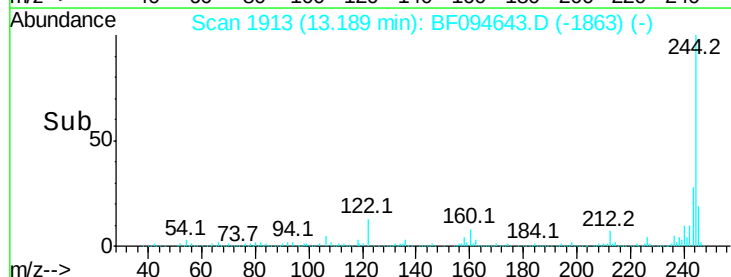
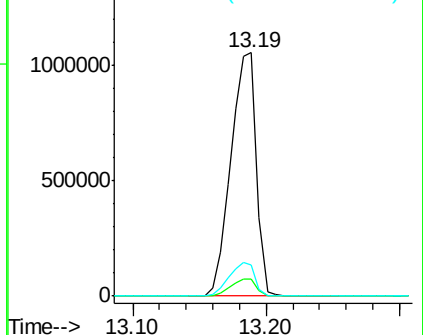
122 12.8 10.3 15.5

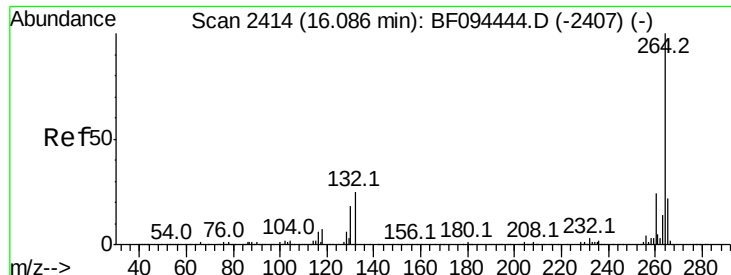


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

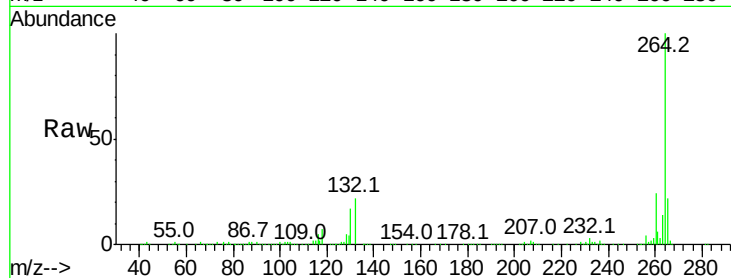




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094643.D
Acq: 26 Apr 2017 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.7	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

