

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
 Data File : BF092493.D
 Acq On : 25 Jan 2017 22:52
 Operator : SJ/MA
 Sample : I1398-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 09:58:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

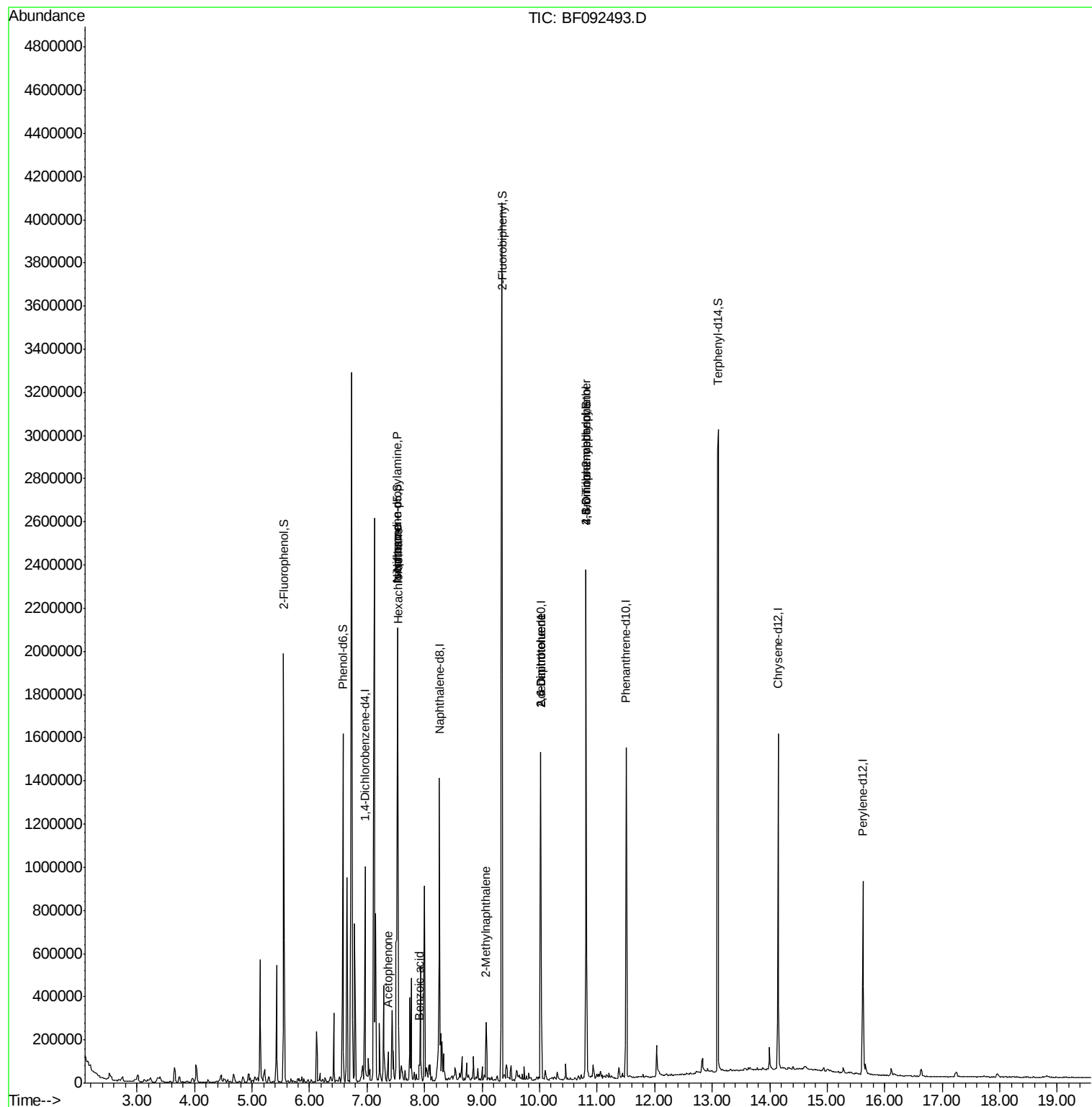
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	151528	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	615229	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	321543	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	541801	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	512349	20.00	ng	-0.02
86) Perylene-d12	15.62	264	419490	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	537106	55.15	ng	0.00
7) Phenol-d6	6.58	99	499617	40.27	ng	-0.01
23) Nitrobenzene-d5	7.53	82	810315	71.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	286772	130.88	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1450932	83.44	ng	-0.01
78) Terphenyl-d14	13.10	244	1443749	75.04	ng	-0.01
Target Compounds						
18) Hexachloroethane	7.54	117	332396	79.24	ng	# 3
19) n-Nitroso-di-n-propylamine	7.53	70	107531	12.73	ng	# 86
22) Acetophenone	7.37	105	43310	2.96	ng	# 63
25) Isophorone	7.53	82	698671	31.48	ng	# 65
32) Benzoic acid	7.92	122	889	4.80	ng	# 50
37) 2-Methylnaphthalene	9.07	142	65947	3.31	ng	# 93
50) 2,6-Dinitrotoluene	10.02	165	41171	9.85	ng	# 31
56) 2,4-Dinitrotoluene	10.02	165	41163	7.42	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.81	198	515	5.11	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	20041	3.66	ng	# 1

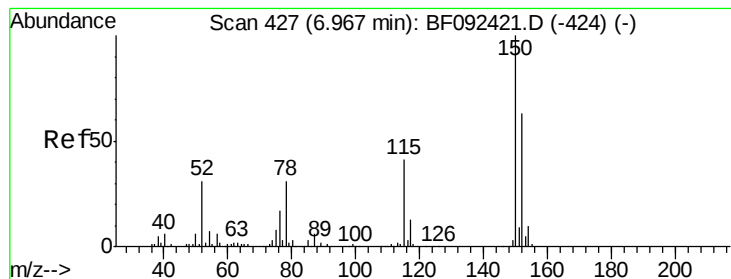
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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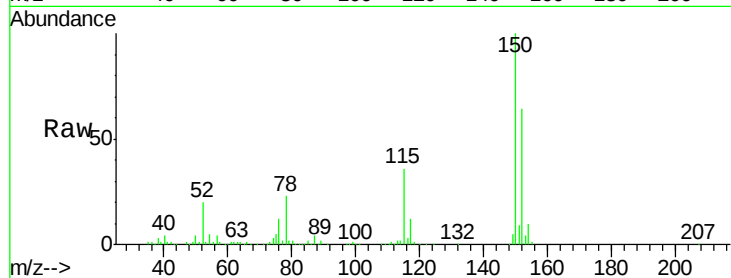




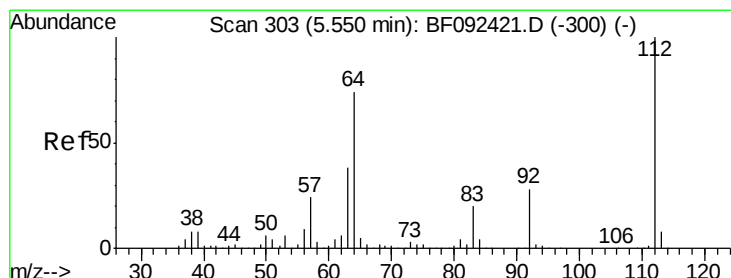
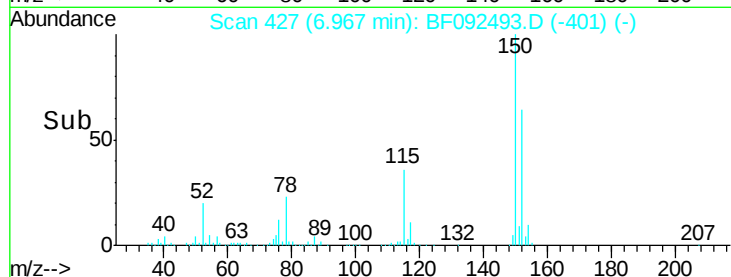
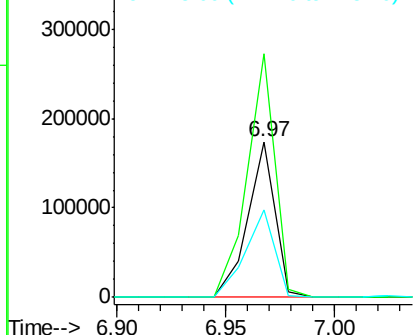
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF092493.D
 Acq: 25 Jan 2017 22:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.9	187.3
115	56.0	46.0	69.0

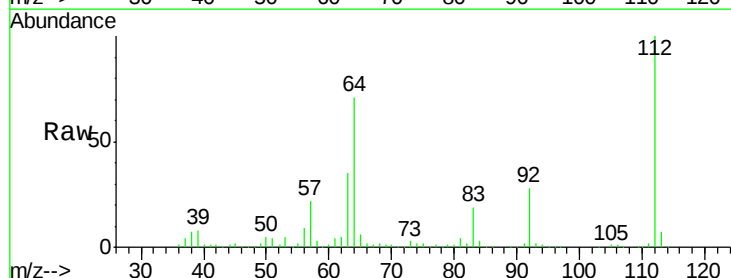


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

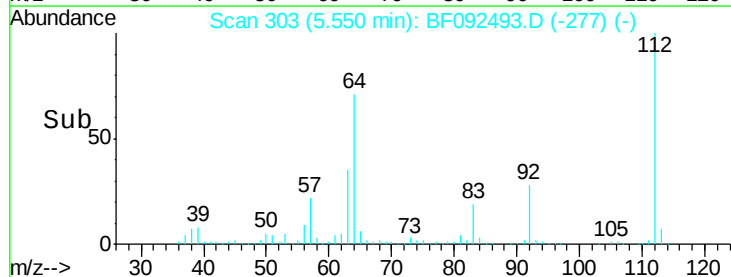
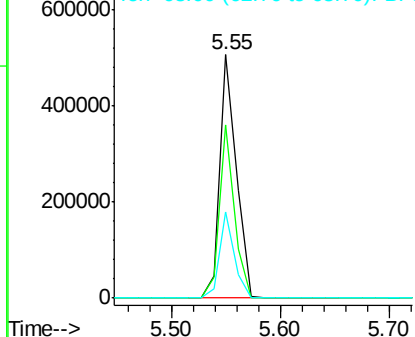


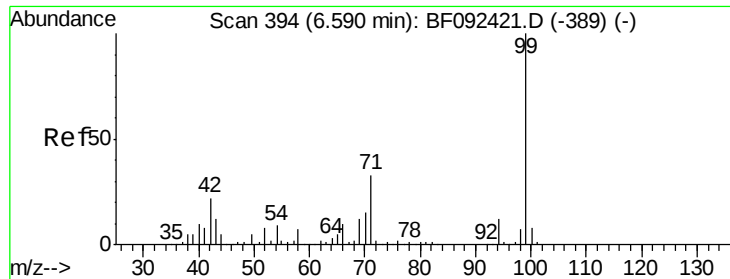
#5
 2-Fluorophenol
 Concen: 55.15 ng
 RT: 5.55 min Scan# 303
 Delta R.T. -0.00 min
 Lab File: BF092493.D
 Acq: 25 Jan 2017 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	46.1	69.1#
63	35.5	23.8	35.6



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: 40.27 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

Instrument :

BNA_F

ClientSampleId :

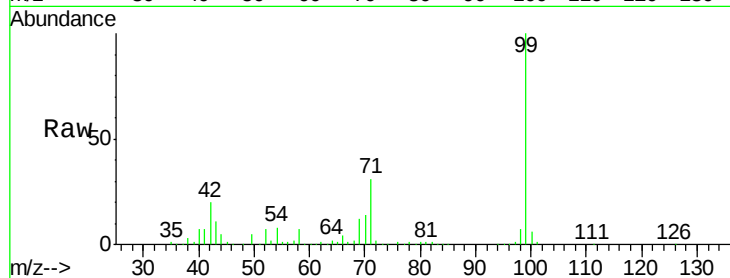
Tot Ion: 99 Resp: 499617

Ion Ratio Lower Upper

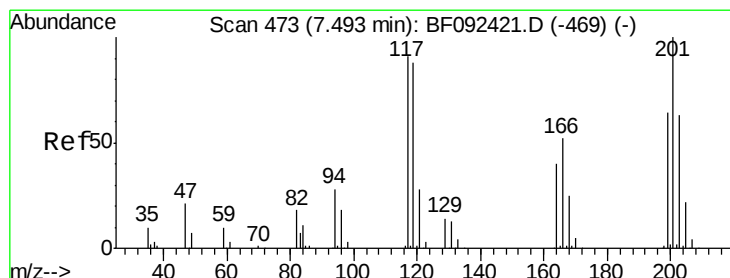
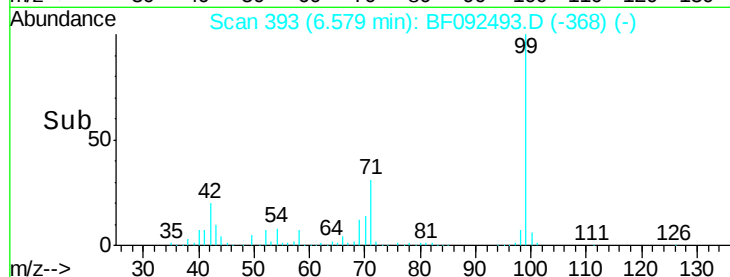
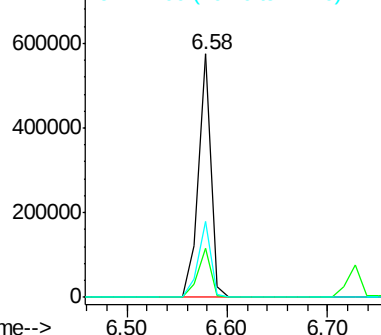
99 100

42 19.9 15.6 23.4

71 31.0 27.5 41.3



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



#18

Hexachloroethane

Concen: 79.24 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.05 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

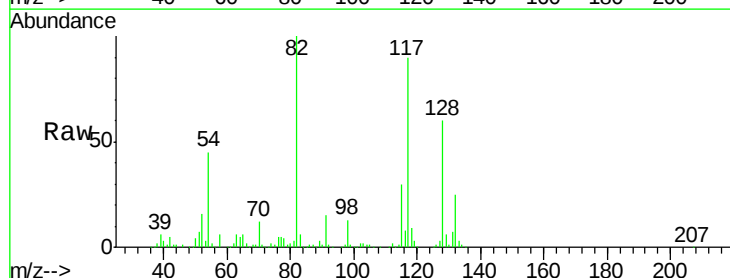
Tgt Ion: 117 Resp: 332396

Ion Ratio Lower Upper

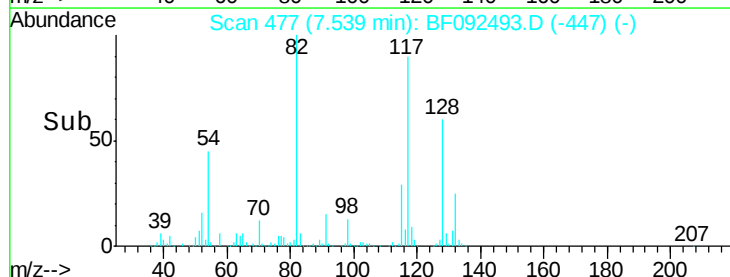
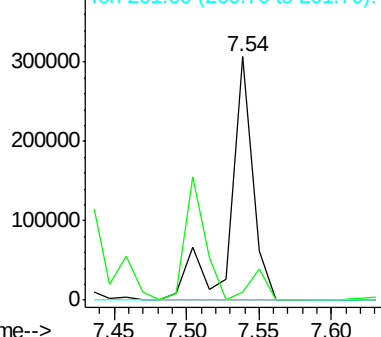
117 100

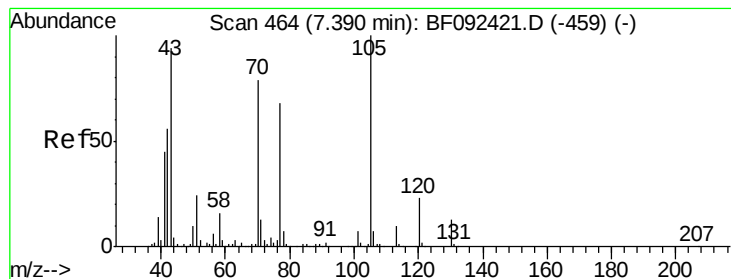
119 3.3 78.1 117.1#

201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 12.73 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 107531

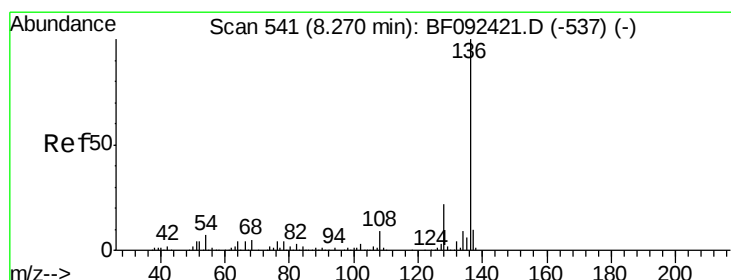
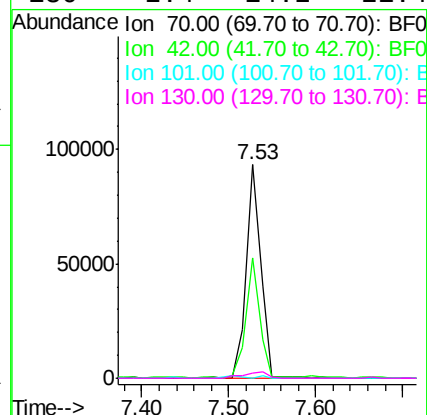
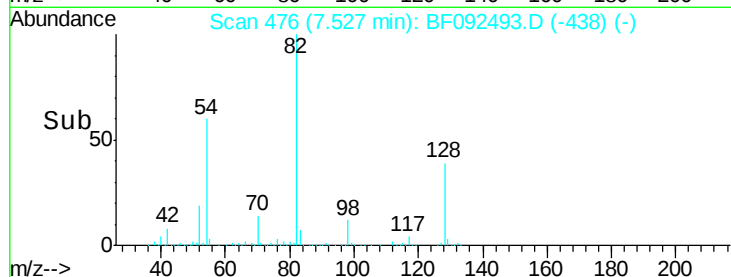
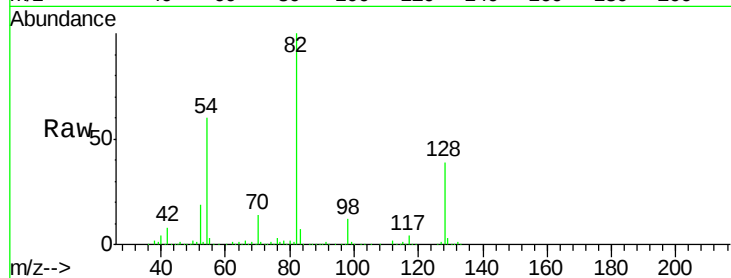
Ion Ratio Lower Upper

70 100

42 56.6 49.4 74.0

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

Tgt Ion: 136 Resp: 615229

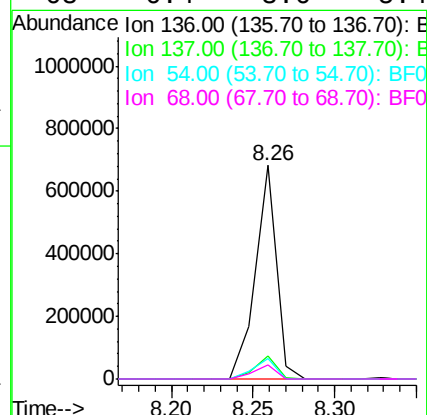
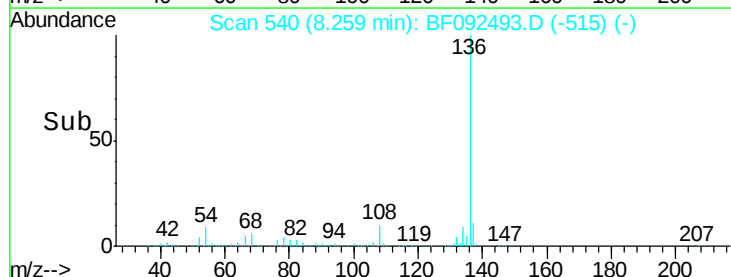
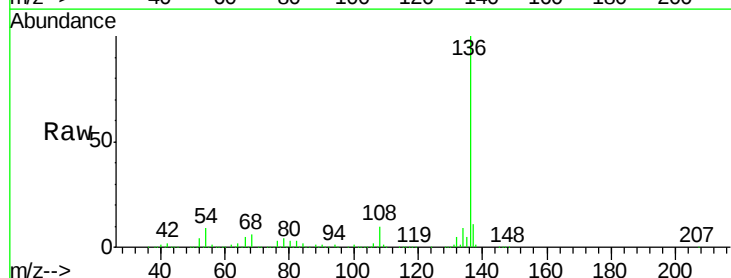
Ion Ratio Lower Upper

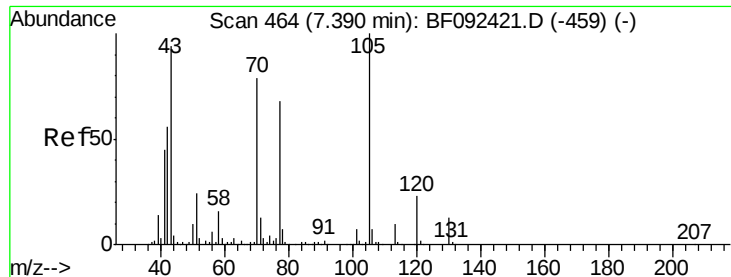
136 100

137 11.0 8.4 12.6

54 9.5 4.5 6.7#

68 6.4 3.6 5.4#





#22

Acetophenone

Concen: 2.96 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.02 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 43310

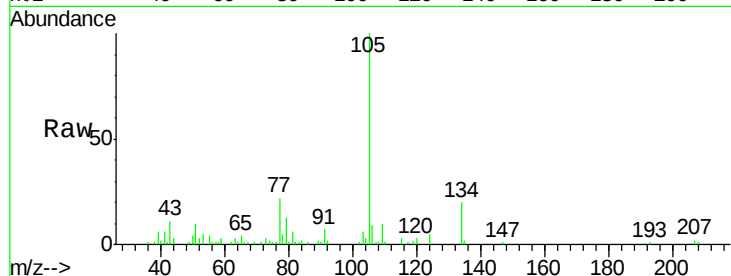
Ion Ratio Lower Upper

105 100

71 1.5 3.2 4.8#

51 9.9 26.2 39.4#

120 3.0 16.6 24.8#

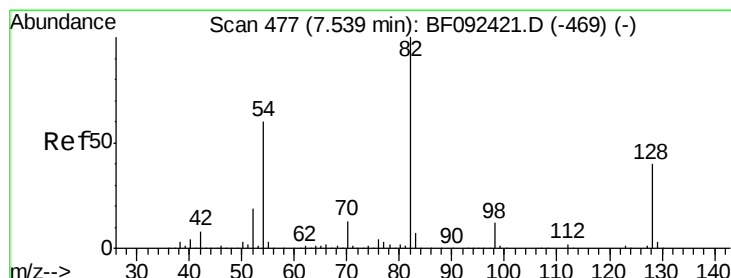
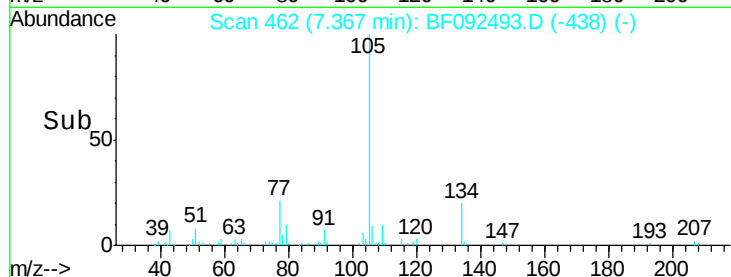
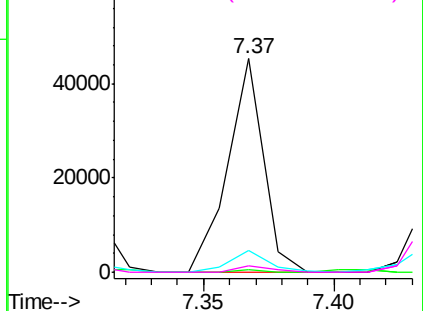


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 71.95 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

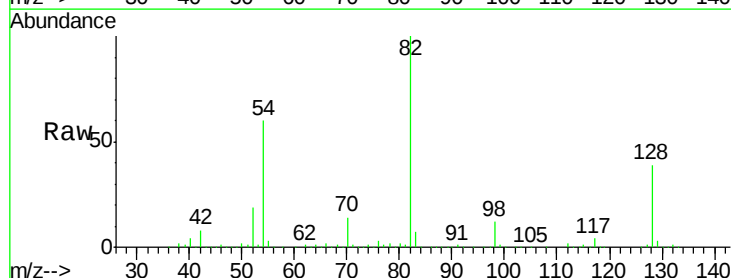
Tgt Ion: 82 Resp: 810315

Ion Ratio Lower Upper

82 100

128 38.9 34.6 52.0

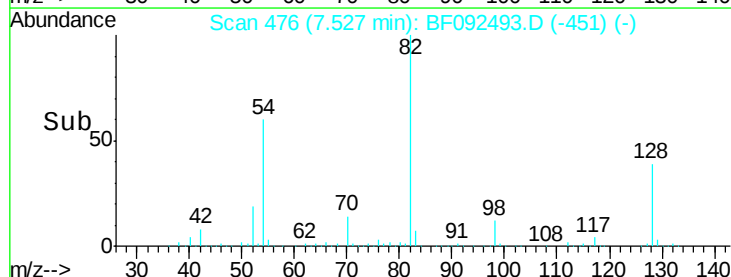
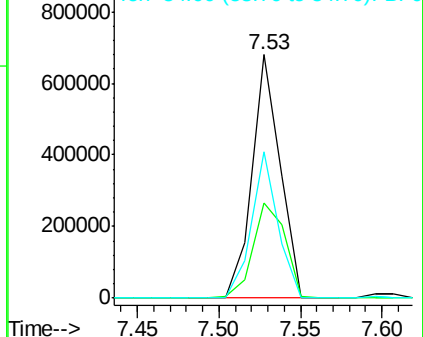
54 59.9 39.5 59.3#

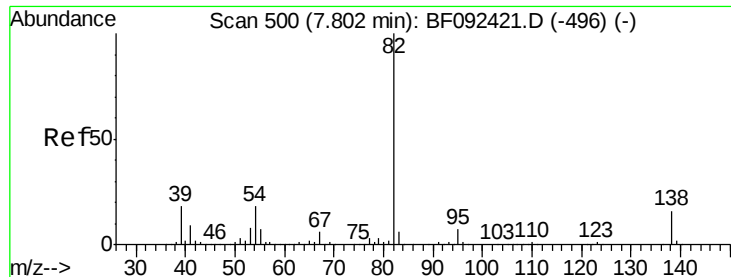


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.48 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

Instrument :

BNA_F

ClientSampled :

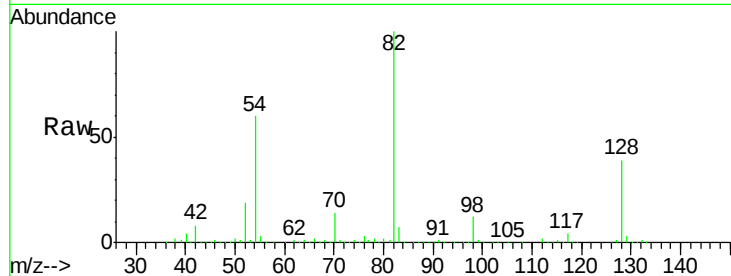
Tot Ion: 82 Resp: 698671

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

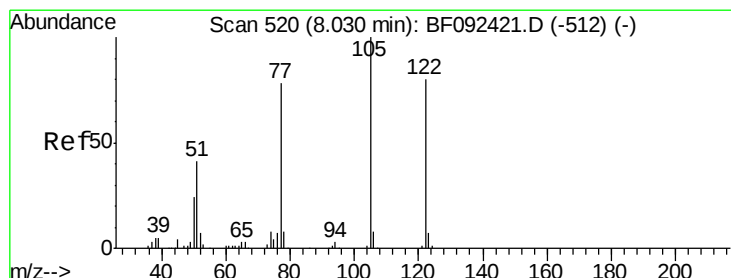
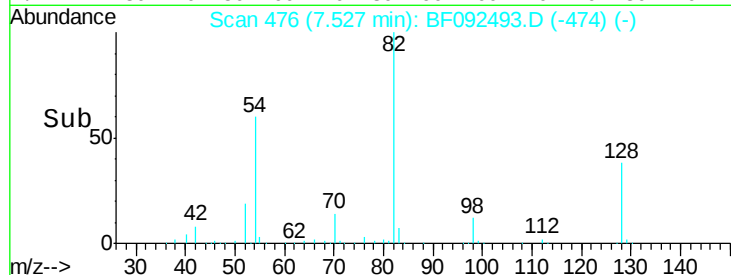
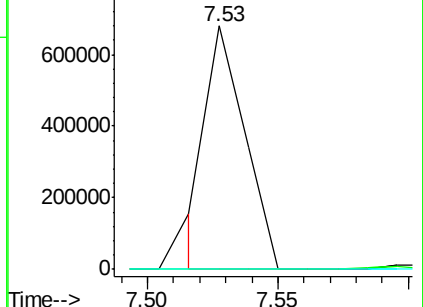
138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 4.80 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.11 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

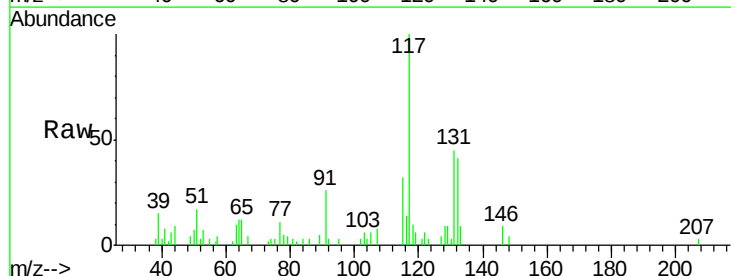
Tgt Ion: 122 Resp: 889

Ion Ratio Lower Upper

122 100

105 107.0 107.2 147.2#

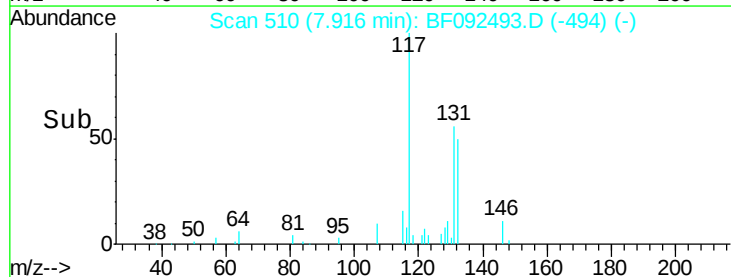
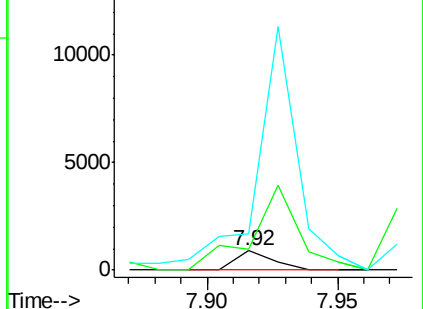
77 184.3 74.5 114.5#

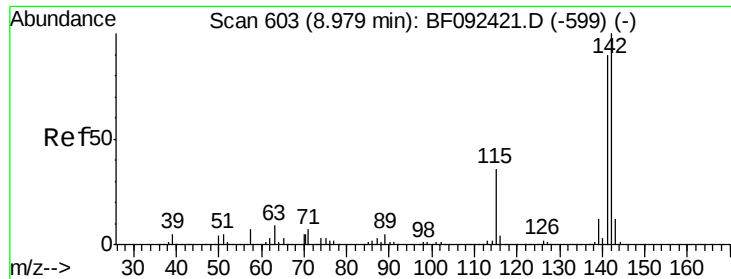


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

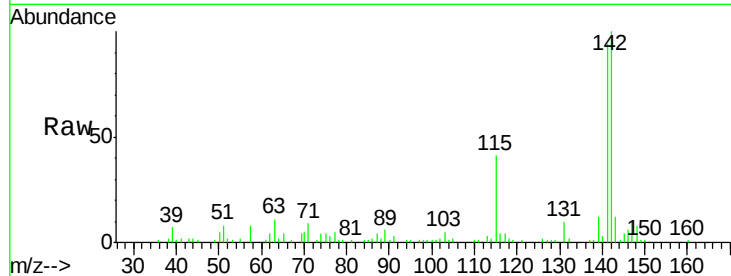




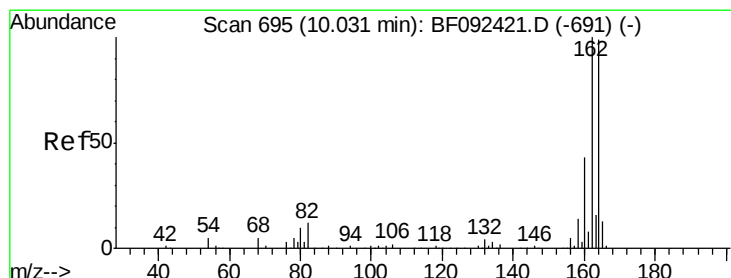
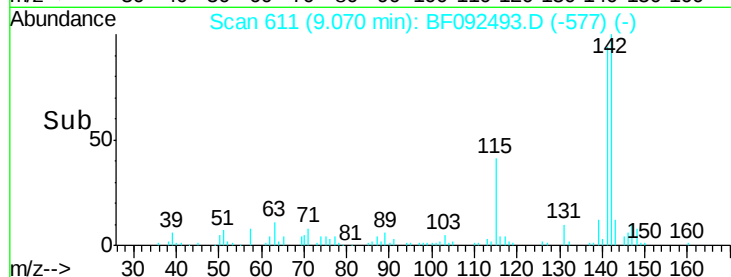
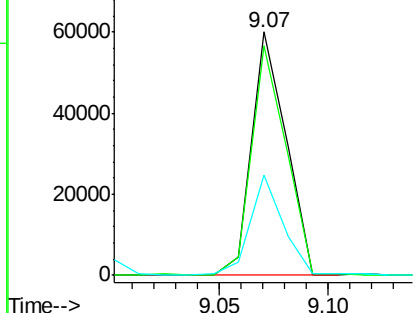
#37
2-Methylnaphthalene
Concen: 3.31 ng
RT: 9.07 min Scan# 611
Delta R.T. 0.09 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 65947
Ion Ratio Lower Upper
142 100
141 94.4 71.0 106.6
115 41.2 28.3 42.5

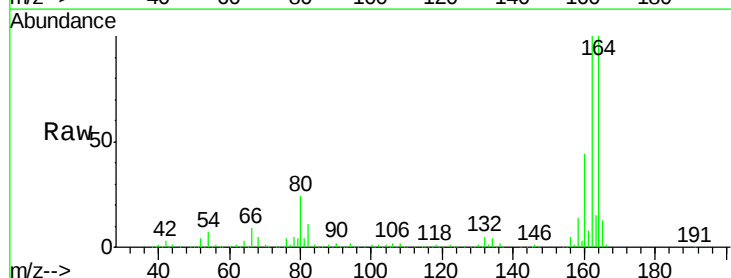


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

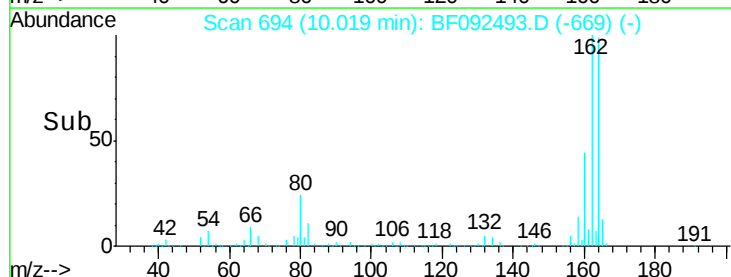
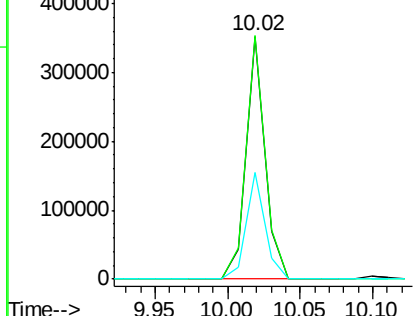


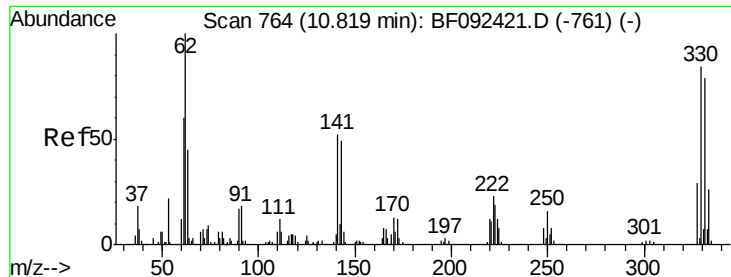
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Tgt Ion:164 Resp: 321543
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.2
160 44.1 36.9 55.3



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

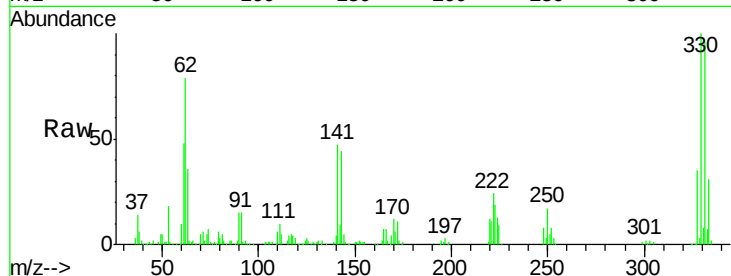




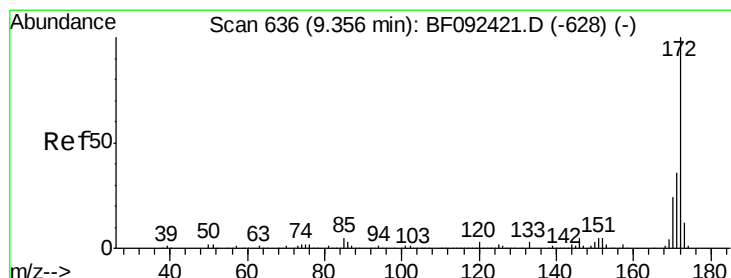
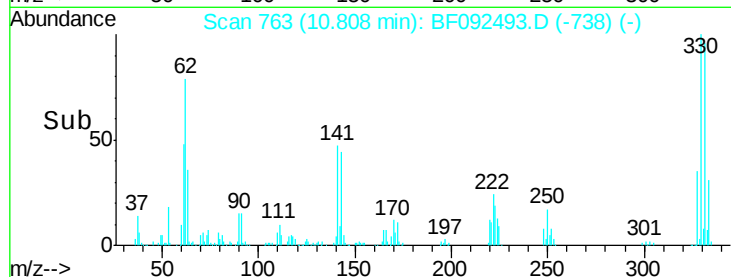
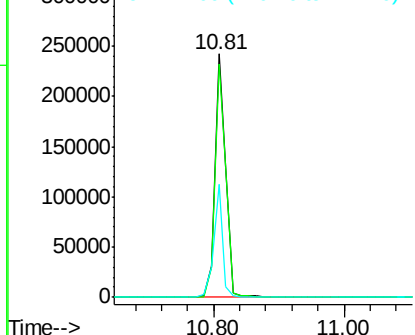
#41
 2,4,6-Tribromophenol
 Concen: 130.88 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF092493.D
 Acq: 25 Jan 2017 22:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 286772
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 38.4 34.1 51.1

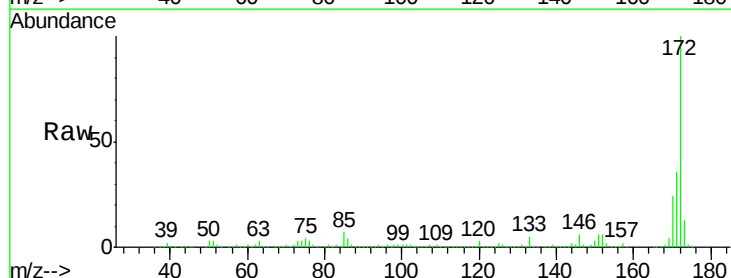


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

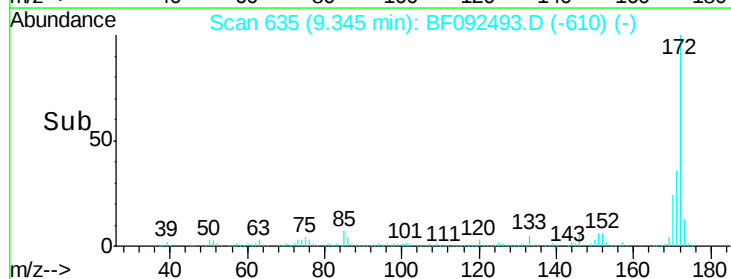
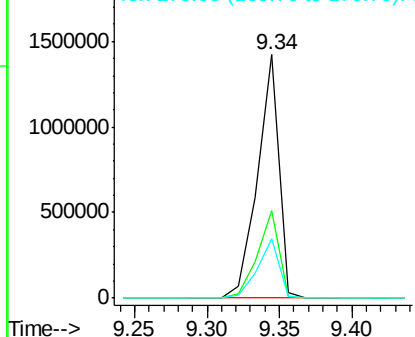


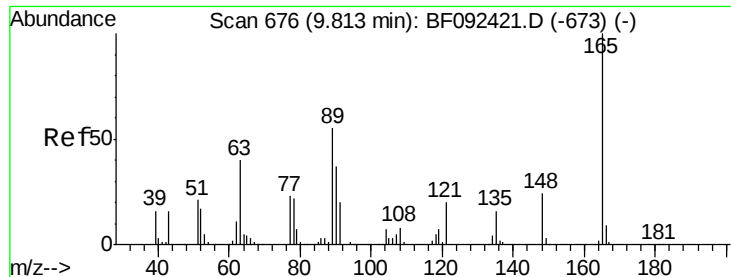
#44
 2-Fluorobiphenyl
 Concen: 83.44 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092493.D
 Acq: 25 Jan 2017 22:52

Tgt Ion:172 Resp: 1450932
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.5 20.2 30.4



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

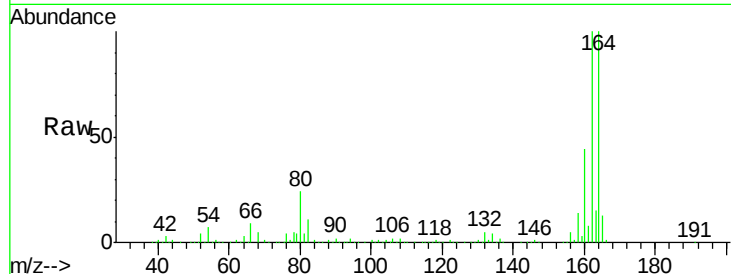




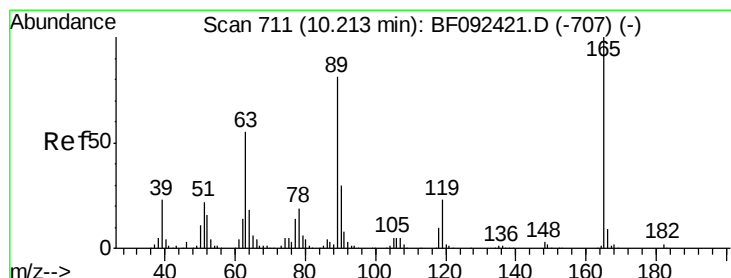
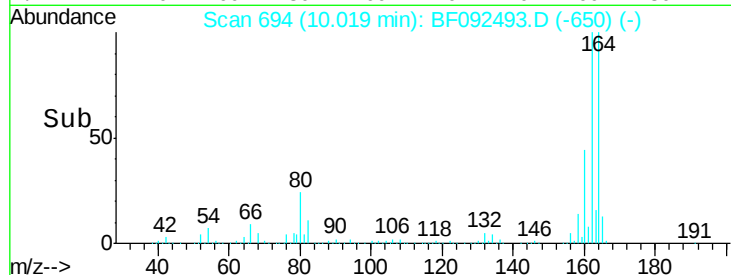
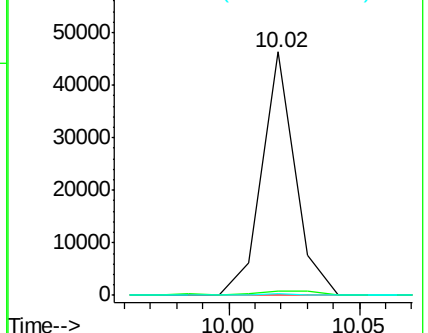
#50
2,6-Dinitrotoluene
Concen: 9.85 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.21 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 41171
Ion Ratio Lower Upper
165 100
63 1.5 36.2 54.4#
89 0.9 40.2 60.4#

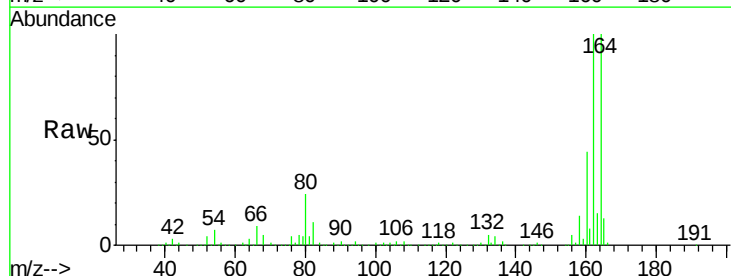


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

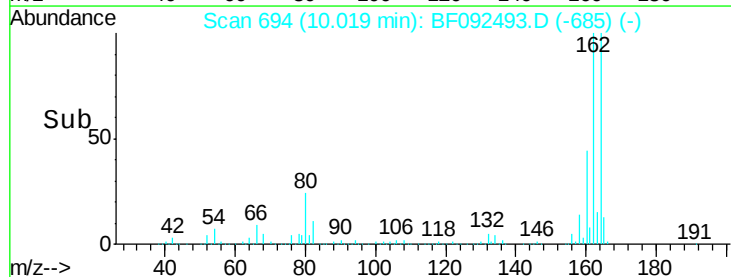
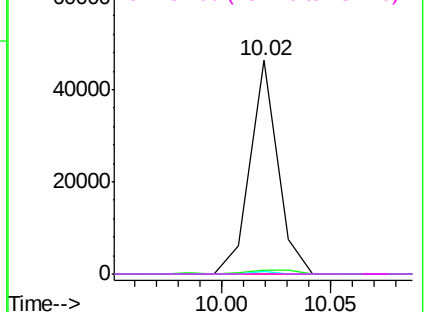


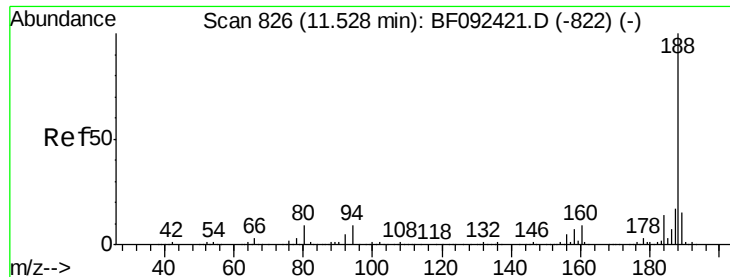
#56
2,4-Dinitrotoluene
Concen: 7.42 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Tgt Ion:165 Resp: 41163
Ion Ratio Lower Upper
165 100
63 1.5 40.2 60.4#
89 0.9 62.5 93.7#
182 0.0 1.8 2.8#



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

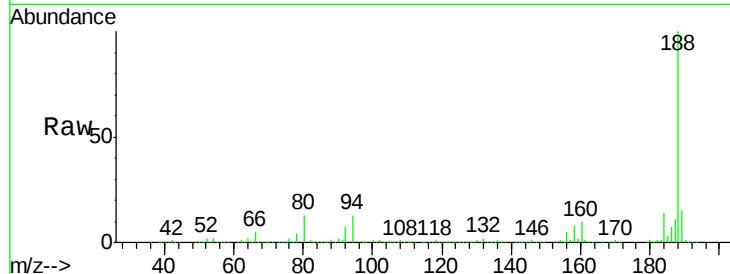




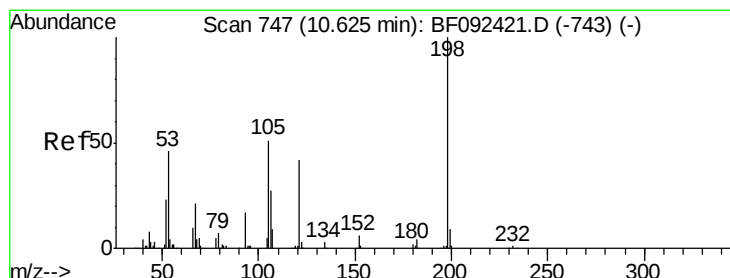
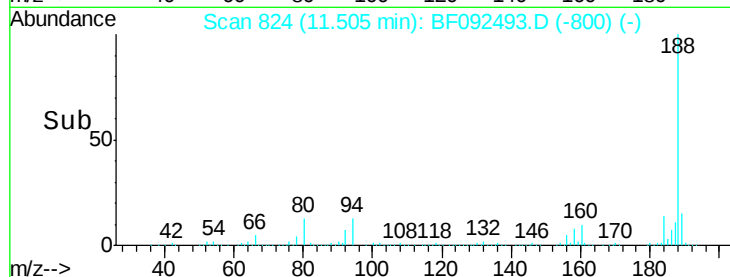
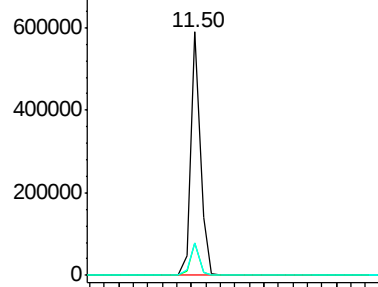
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 541801
Ion Ratio Lower Upper
188 100
94 13.1 10.0 15.0
80 13.4 11.2 16.8

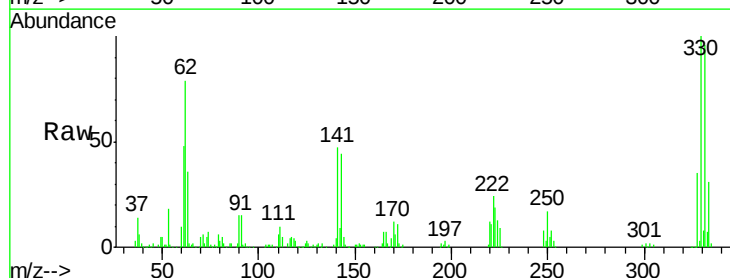


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

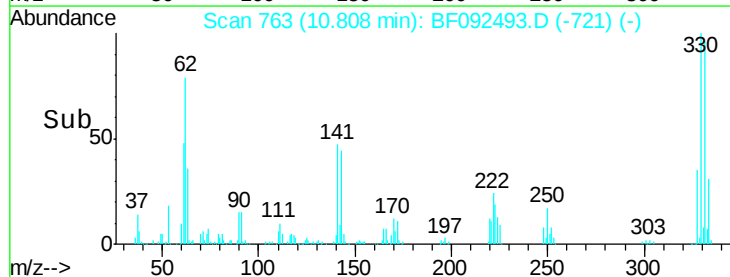
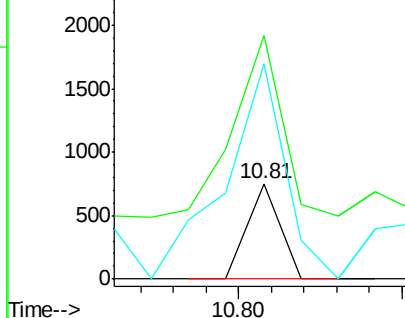


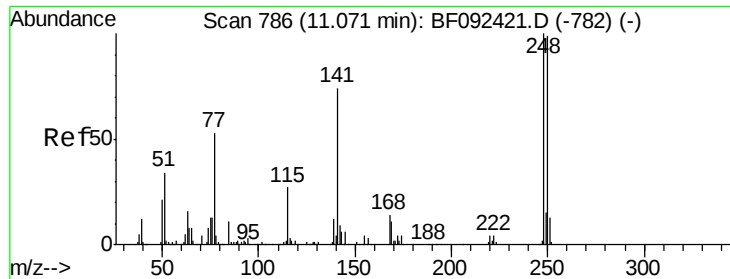
#64
4,6-Dinitro-2-methylphenol
Concen: 5.11 ng
RT: 10.81 min Scan# 763
Delta R.T. 0.18 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Tgt Ion:198 Resp: 515
Ion Ratio Lower Upper
198 100
51 255.7 6.7 46.7#
105 226.3 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

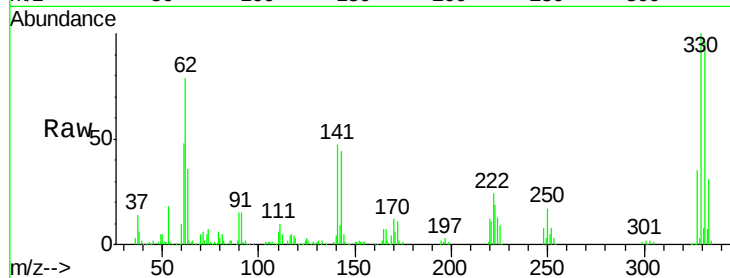




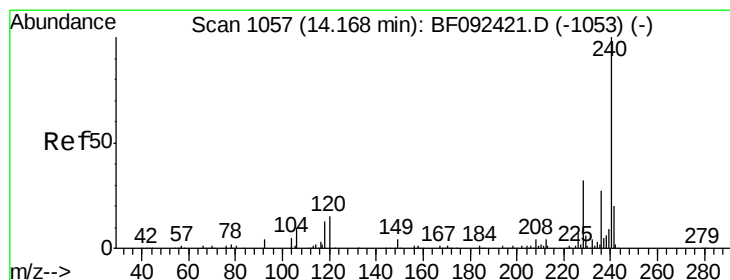
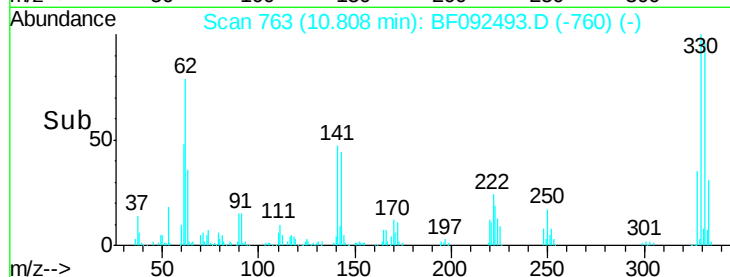
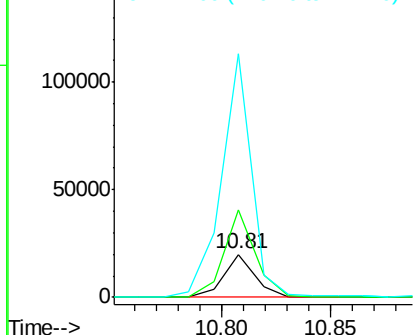
#66
4-Bromophenyl-phenylether
Concen: 3.66 ng
RT: 10.81 min Scan# 763
Delta R.T. -0.26 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20041
Ion Ratio Lower Upper
248 100
250 203.4 76.9 115.3#
141 565.0 68.2 102.4#

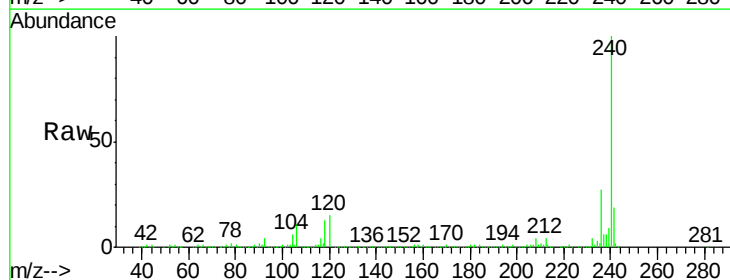


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

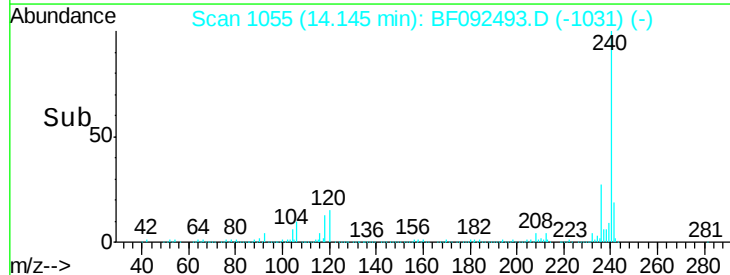
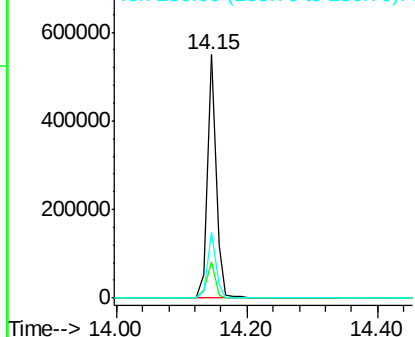


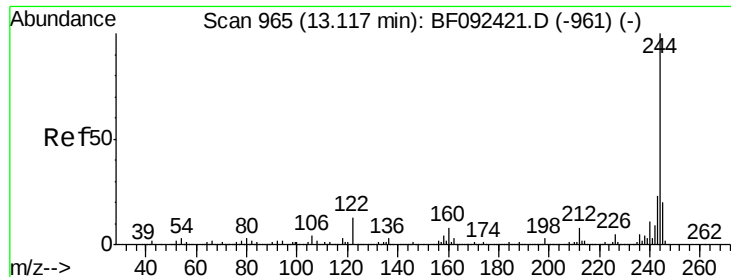
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.15 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF092493.D
Acq: 25 Jan 2017 22:52

Tgt Ion:240 Resp: 512349
Ion Ratio Lower Upper
240 100
120 14.7 12.9 19.3
236 26.9 20.9 31.3



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: 75.04 ng

RT: 13.10 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

Instrument :

BNA_F

ClientSampleId :

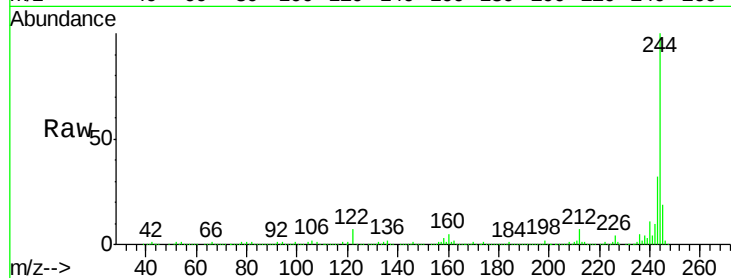
Tot Ion:244 Resp: 1443749

Ion Ratio Lower Upper

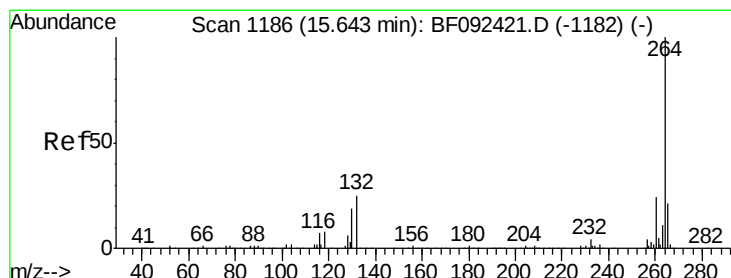
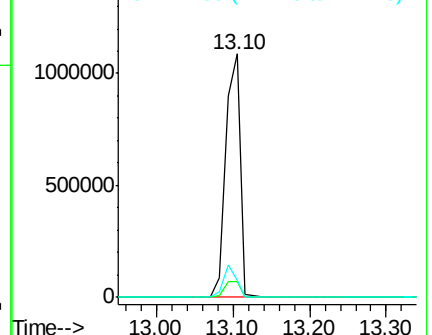
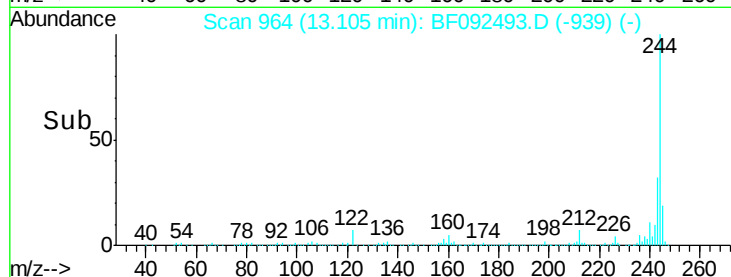
244 100

212 6.7 6.2 9.2

122 7.0 11.4 17.2#



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: 15.62 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF092493.D

Acq: 25 Jan 2017 22:52

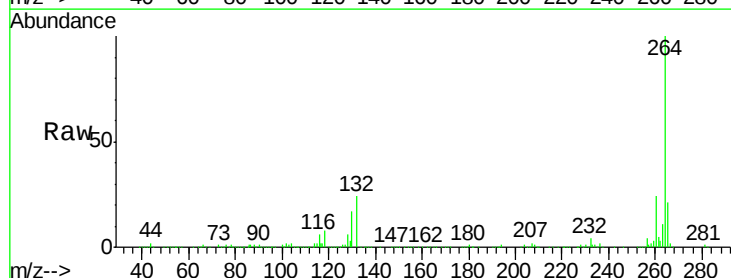
Tgt Ion:264 Resp: 419490

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.2 17.4 26.0



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

