

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
 Data File : BF092767.D
 Acq On : 3 Feb 2017 9:20
 Operator : SJ/MA
 Sample : I1647-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 03 09:48:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

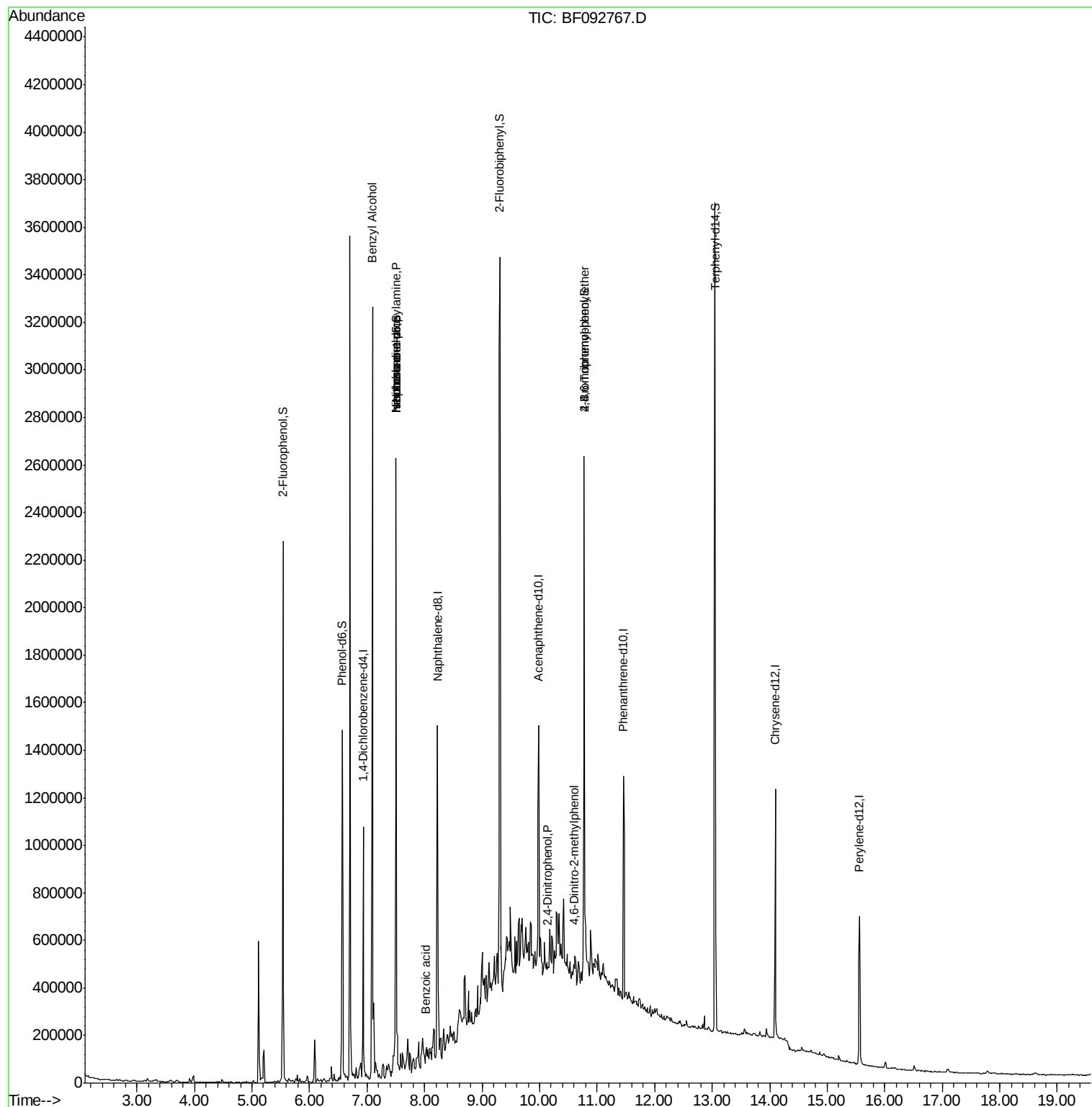
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	149566	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	560516	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	294883	20.00	ng	-0.02
63) Phenanthrene-d10	11.46	188	473909	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	367320	20.00	ng	-0.05
86) Perylene-d12	15.56	264	314225	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	599699	68.79	ng	-0.03
7) Phenol-d6	6.57	99	498675	44.46	ng	-0.03
23) Nitrobenzene-d5	7.50	82	896327	89.05	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	269641	126.43	ng	-0.03
44) 2-Fluorobiphenyl	9.31	172	1557007	95.66	ng	-0.02
78) Terphenyl-d14	13.05	244	1108352	70.90	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	7.09	79	17500	2.11	ng	# 30
18) Hexachloroethane	7.50	117	29953	7.70	ng	# 4
19) n-Nitroso-di-n-propylamine	7.50	70	130702	18.30	ng	# 80
25) Isophorone	7.50	82	865467	46.14	ng	# 65
32) Benzoic acid	8.02	122	2232	7.55	ng	# 56
53) 2,4-Dinitrophenol	10.13	184	582	4.99	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.60	198	1534	3.17	ng	# 1
66) 4-Bromophenyl-phenylether	10.77	248	20858	4.21	ng	# 1

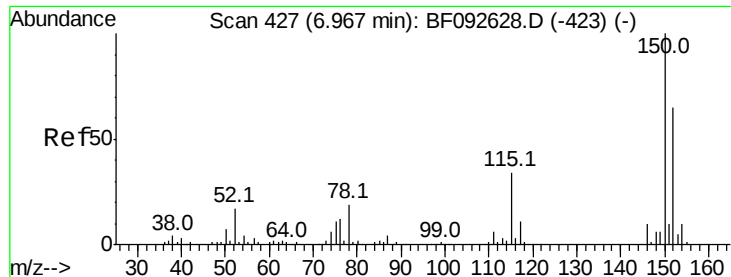
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :

BNA_F

ClientSampleId :

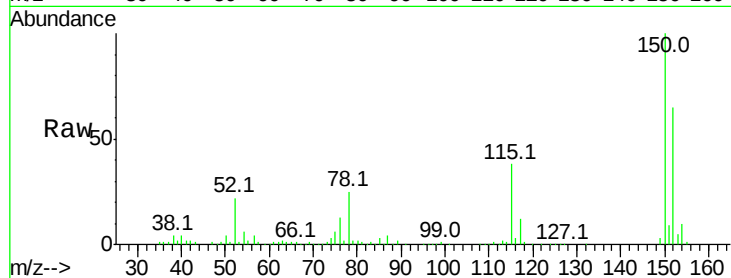
Tot Ion:152 Resp: 149566

Ion Ratio Lower Upper

152 100

150 152.8 124.9 187.3

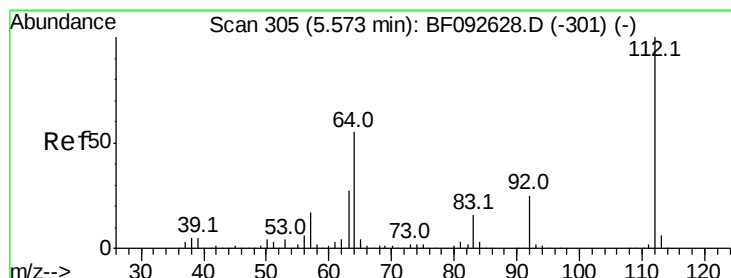
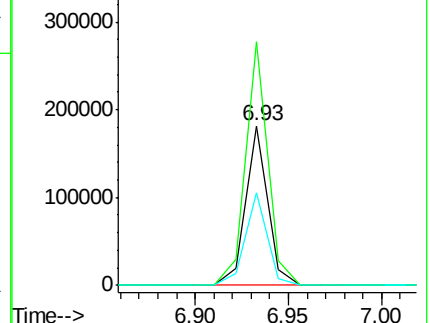
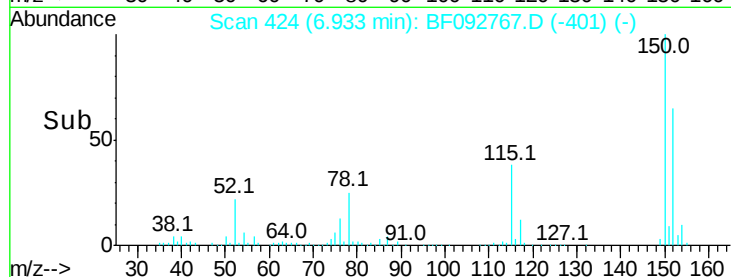
115 58.2 46.0 69.0



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: 68.79 ng

RT: 5.54 min Scan# 302

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

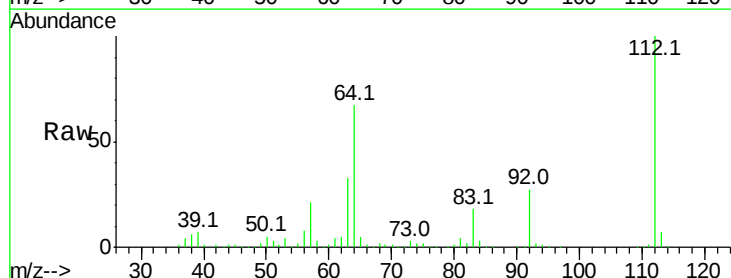
Tgt Ion:112 Resp: 599699

Ion Ratio Lower Upper

112 100

64 66.8 46.1 69.1

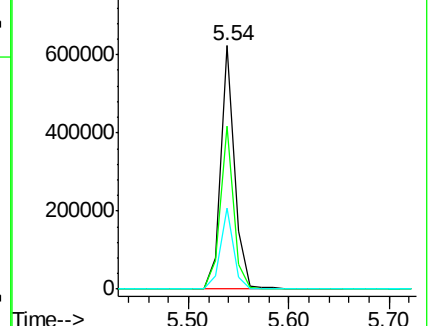
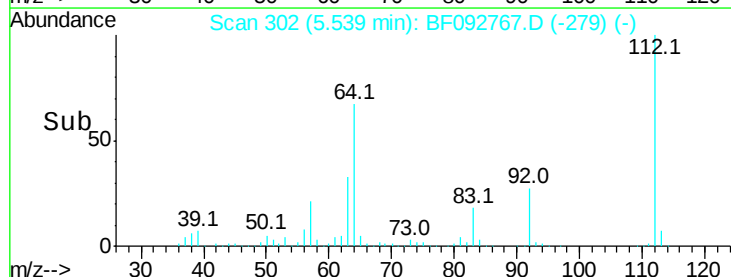
63 33.3 23.8 35.6

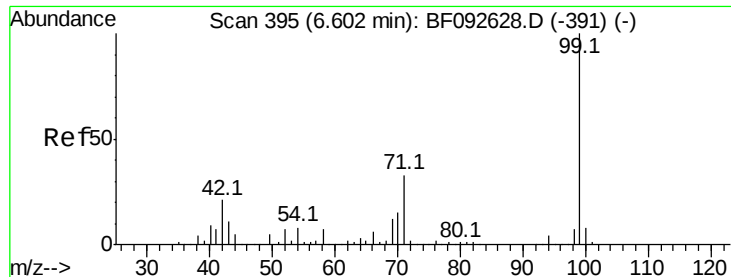


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.46 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :

BNA_F

ClientSampleId :

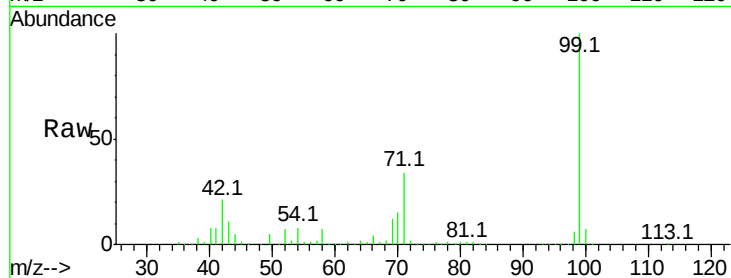
Tot Ion: 99 Resp: 498675

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

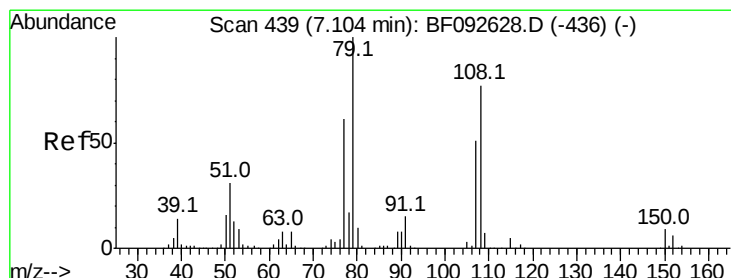
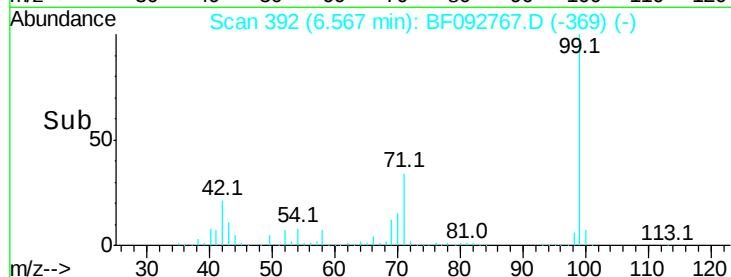
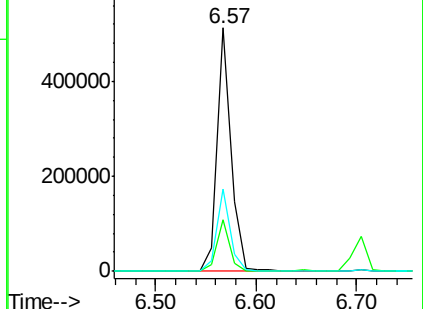
71 33.9 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 7.09 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

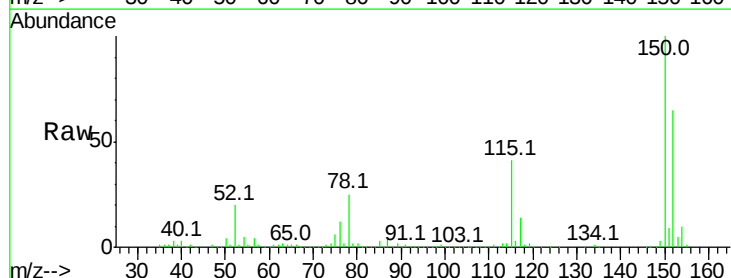
Tgt Ion: 79 Resp: 17500

Ion Ratio Lower Upper

79 100

108 28.5 61.4 92.0#

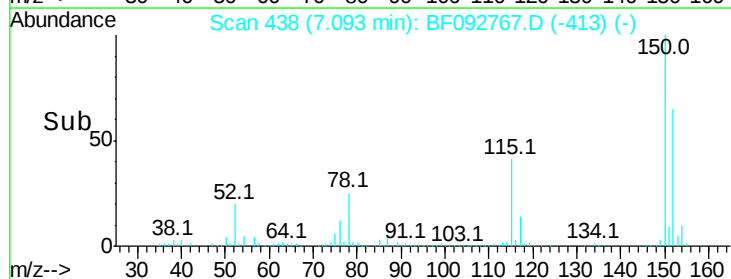
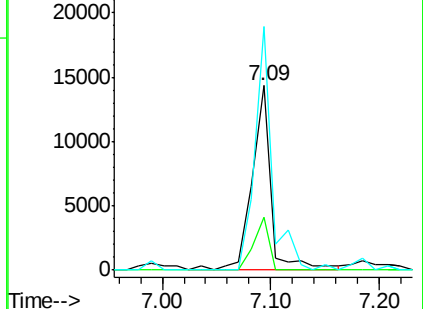
77 131.9 50.9 76.3#

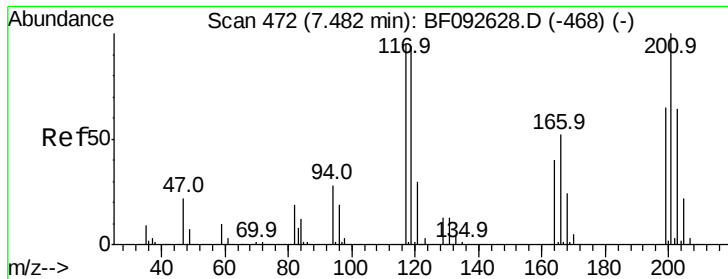


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

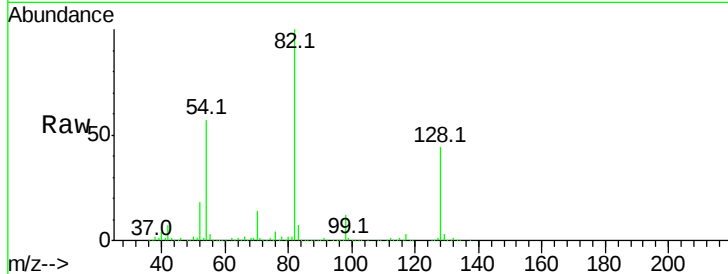




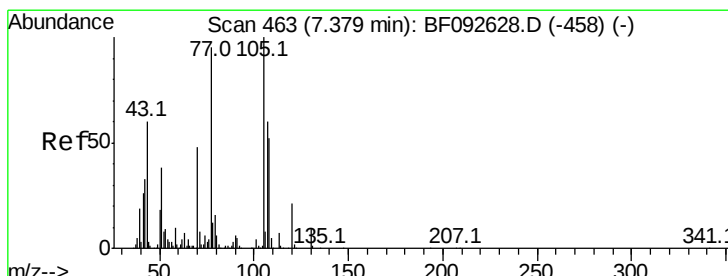
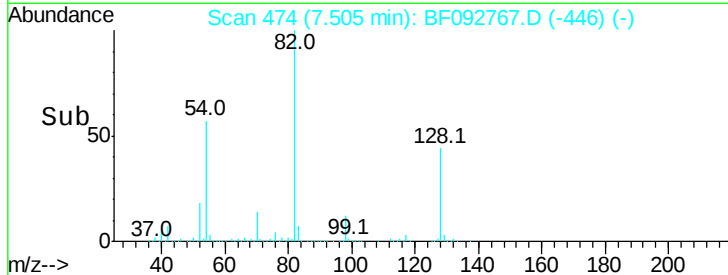
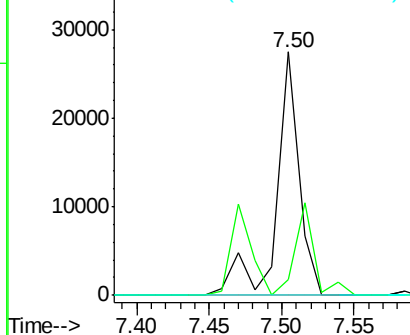
#18
Hexachloroethane
Concen: 7.70 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.02 min
Lab File: BF092767.D
Acq: 3 Feb 2017 9:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 29953
Ion Ratio Lower Upper
117 100
119 6.4 78.1 117.1#
201 0.0 78.6 117.8#

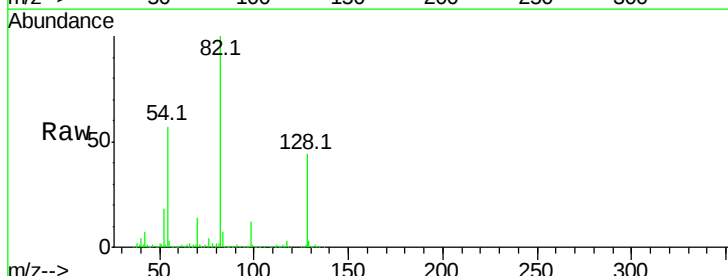


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

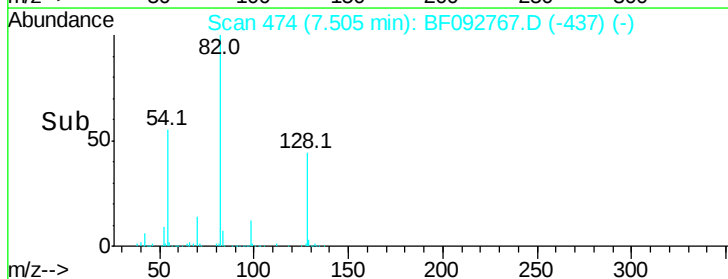
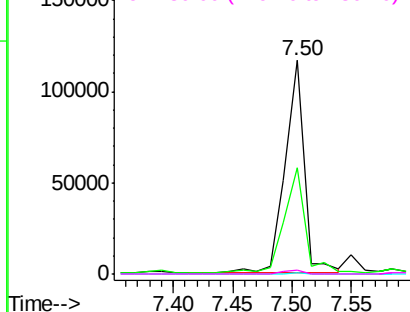


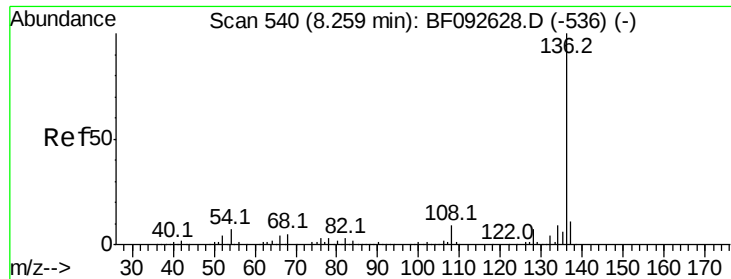
#19
n-Nitroso-di-n-propylamine
Concen: 18.30 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.13 min
Lab File: BF092767.D
Acq: 3 Feb 2017 9:20

Tgt Ion: 70 Resp: 130702
Ion Ratio Lower Upper
70 100
42 50.0 49.4 74.0
101 0.4 7.4 11.2#
130 2.1 14.2 21.4#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 560516

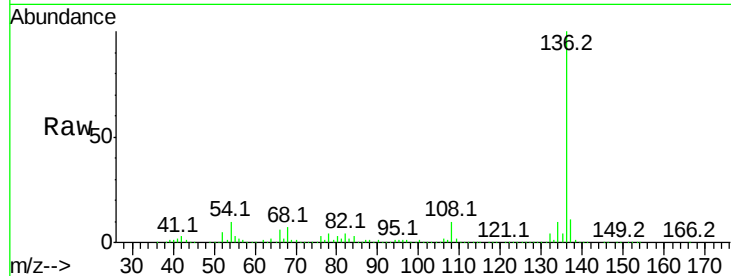
Ion Ratio Lower Upper

136 100

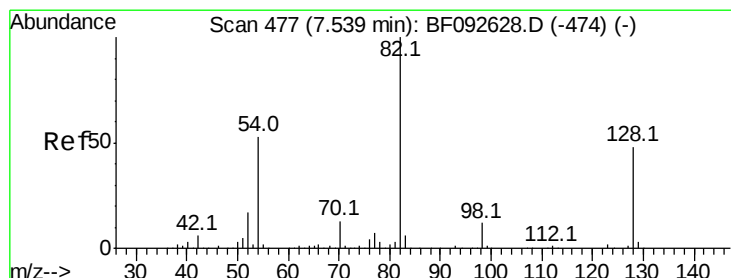
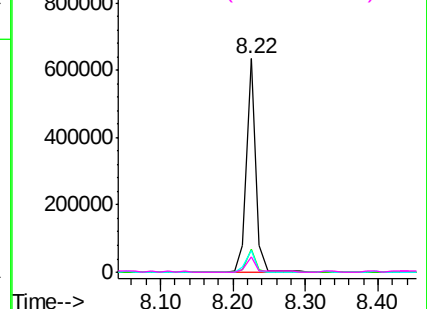
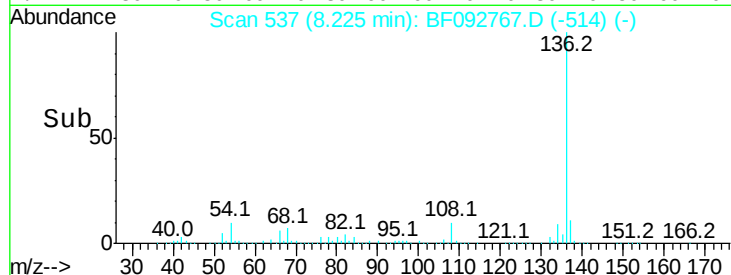
137 10.9 8.4 12.6

54 10.0 4.5 6.7#

68 7.3 3.6 5.4#



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: 89.05 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

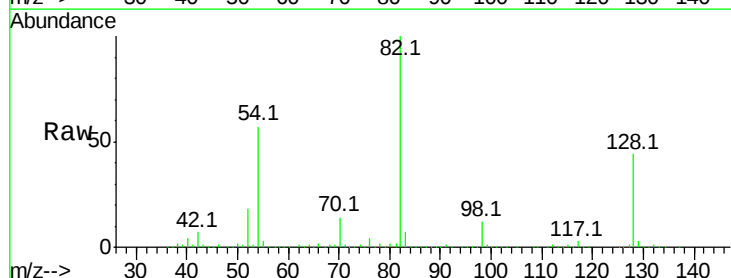
Tgt Ion: 82 Resp: 896327

Ion Ratio Lower Upper

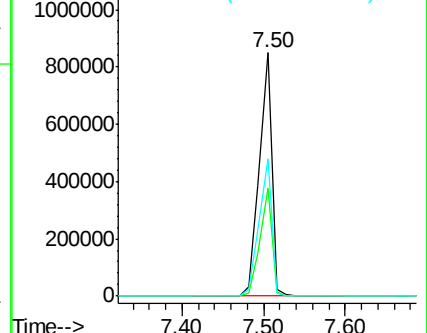
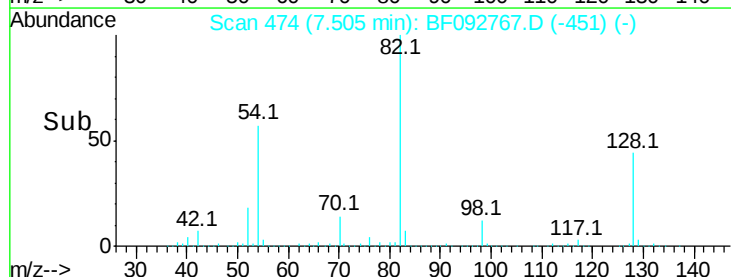
82 100

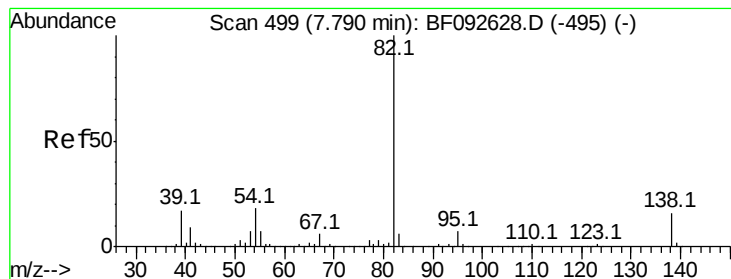
128 44.4 34.6 52.0

54 56.6 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: 46.14 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.29 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :

BNA_F

ClientSampleId :

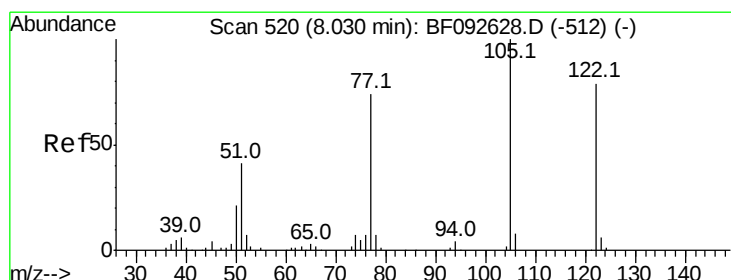
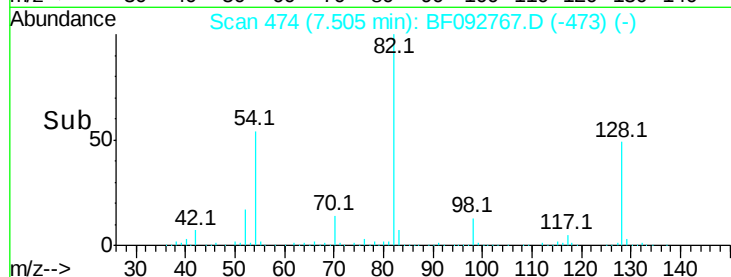
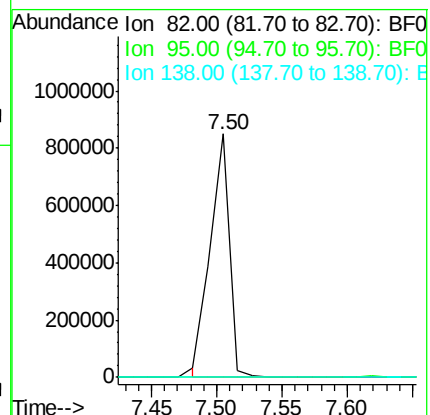
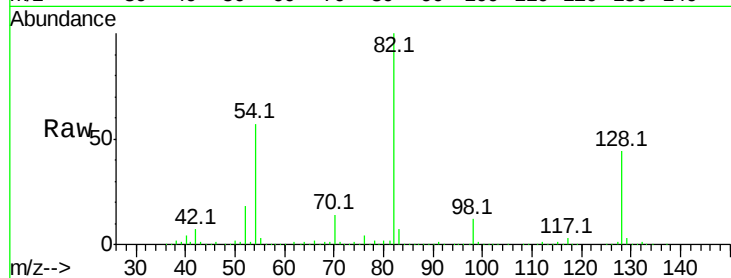
Tot Ion: 82 Resp: 865467

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 7.55 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

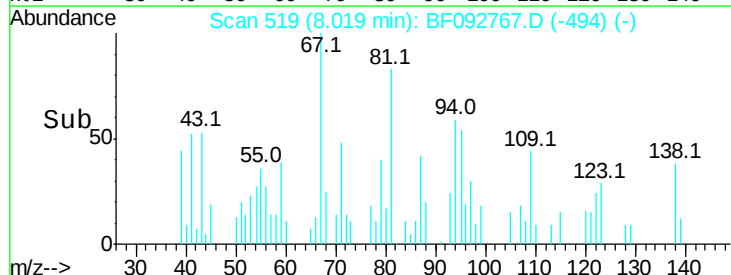
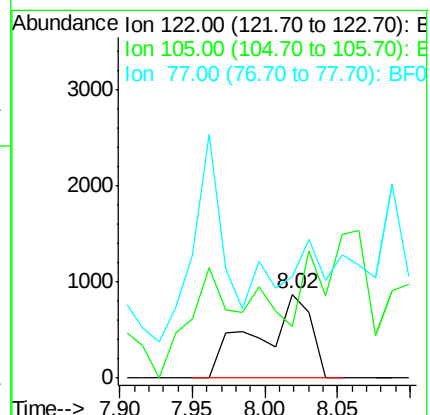
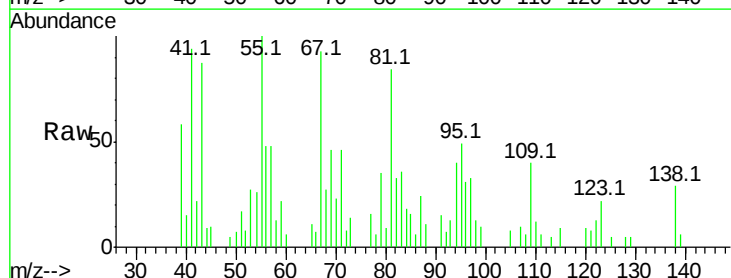
Tgt Ion:122 Resp: 2232

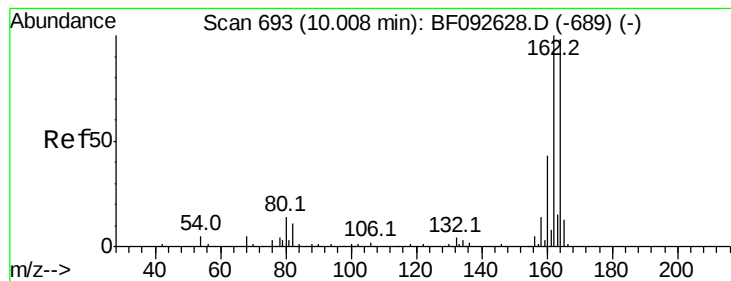
Ion Ratio Lower Upper

122 100

105 61.7 107.2 147.2#

77 120.9 74.5 114.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :

BNA_F

ClientSampleId :

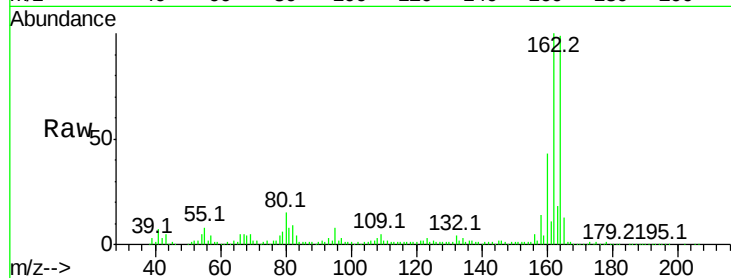
Tot Ion:164 Resp: 294883

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

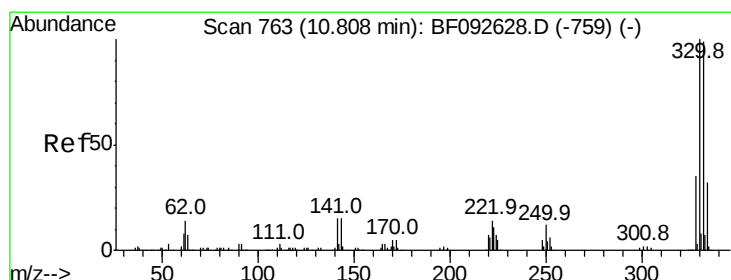
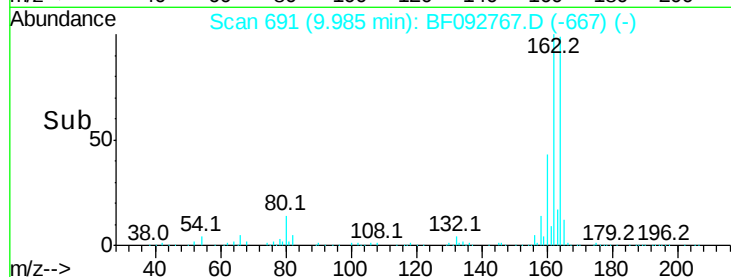
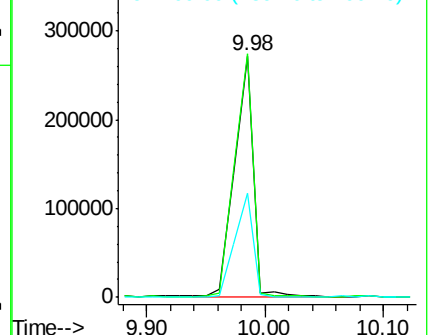
160 43.3 36.9 55.3



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: 126.43 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

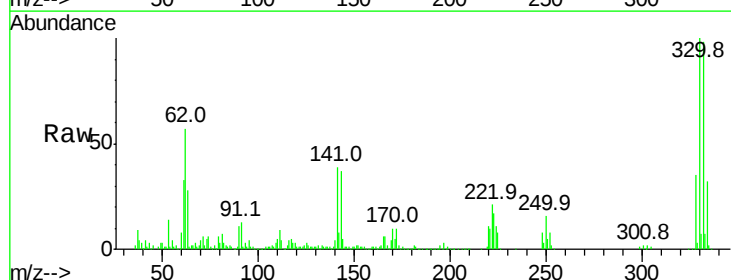
Tgt Ion:330 Resp: 269641

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.2

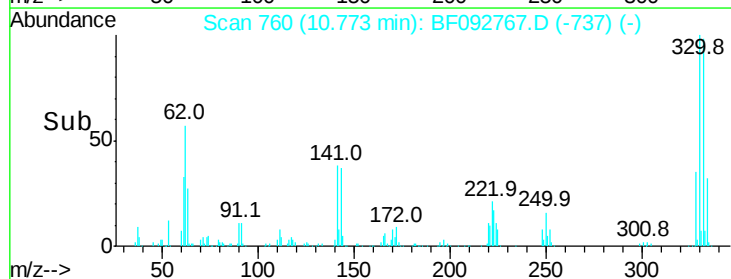
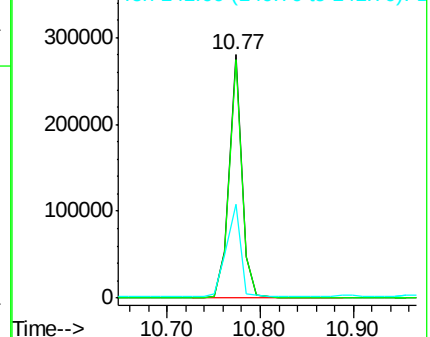
141 43.2 34.1 51.1

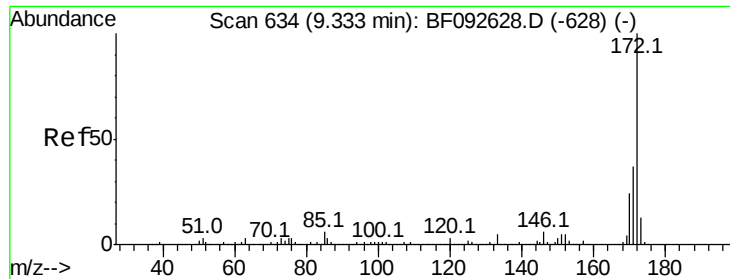


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 95.66 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.02 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

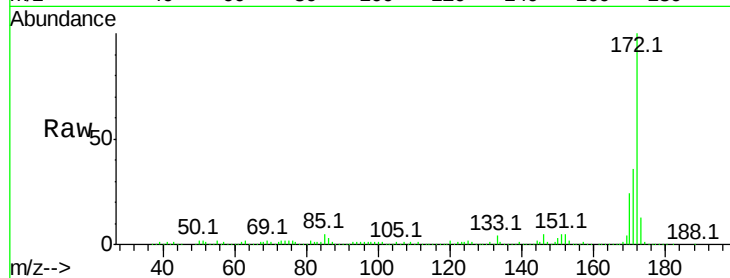
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1557007

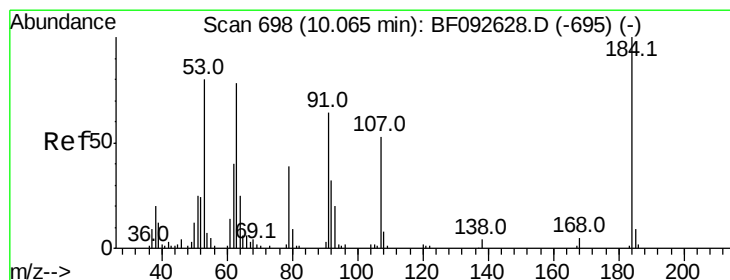
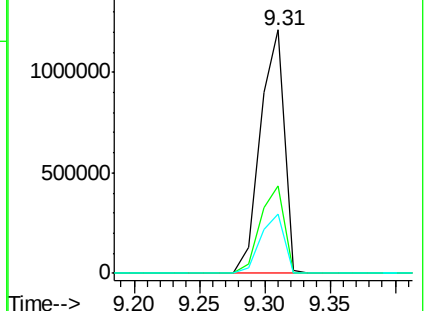
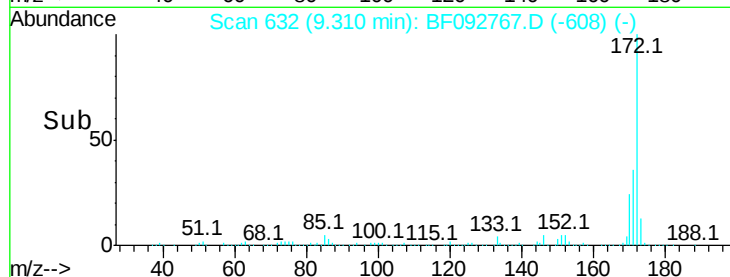
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.3	20.2	30.4



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



#53

2,4-Dinitrophenol

Concen: 4.99 ng

RT: 10.13 min Scan# 704

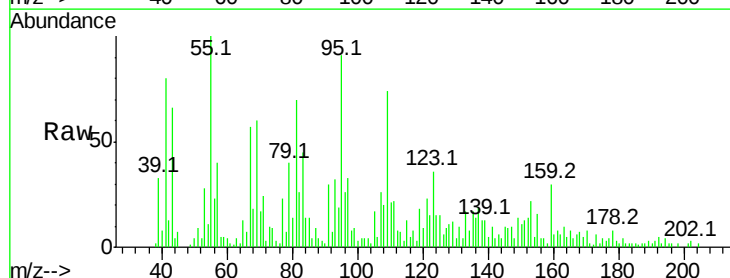
Delta R.T. 0.07 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Tgt Ion:184 Resp: 582

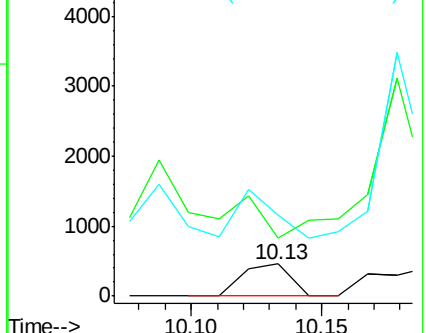
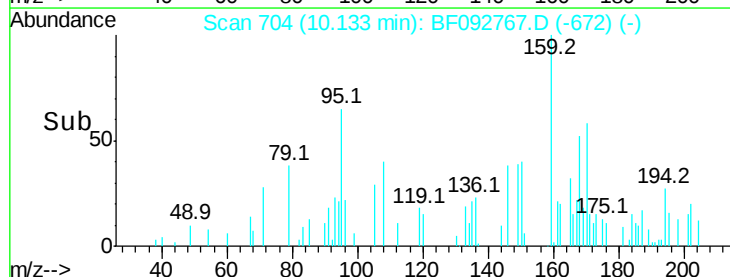
Ion	Ratio	Lower	Upper
184	100		
63	179.3	28.4	42.6#
154	251.2	44.3	66.5#

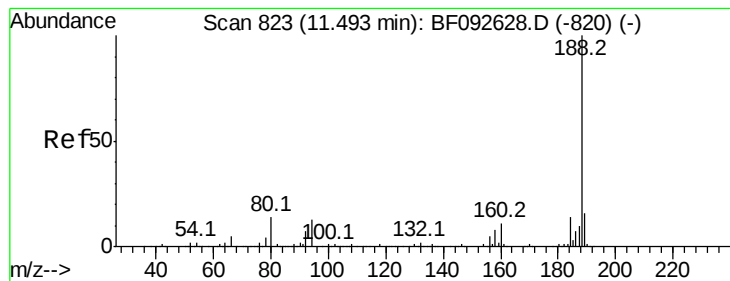


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :

BNA_F

ClientSampled :

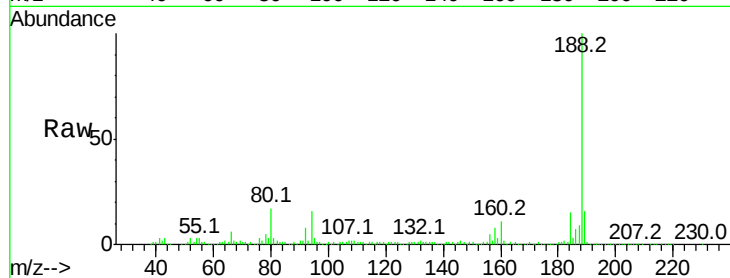
Tot Ion:188 Resp: 473909

Ion Ratio Lower Upper

188 100

94 16.0 10.0 15.0#

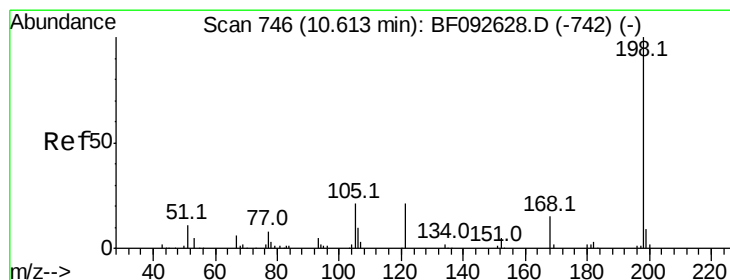
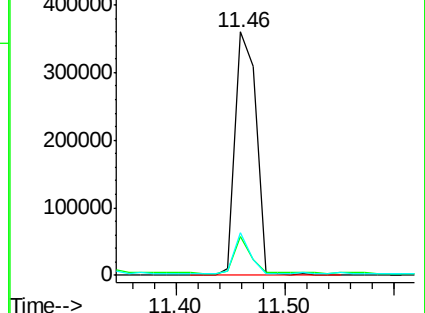
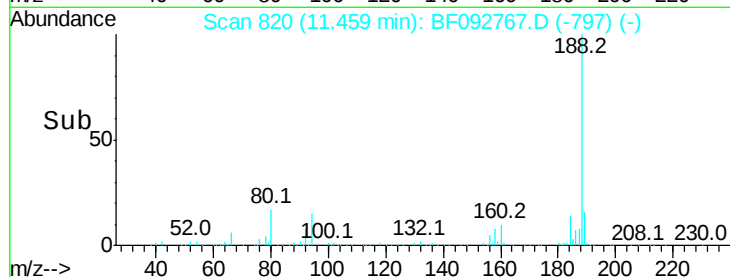
80 17.4 11.2 16.8#



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: 3.17 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

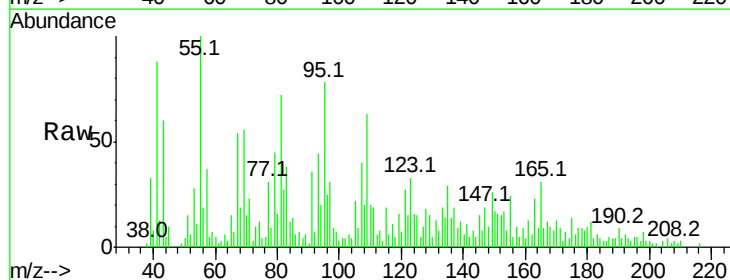
Tgt Ion:198 Resp: 1534

Ion Ratio Lower Upper

198 100

51 218.2 6.7 46.7#

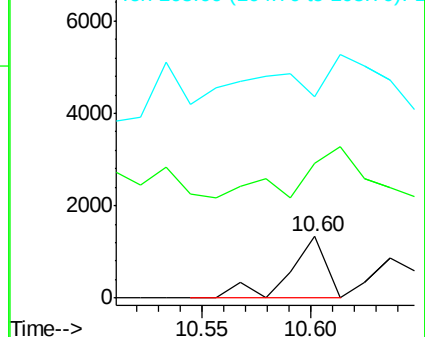
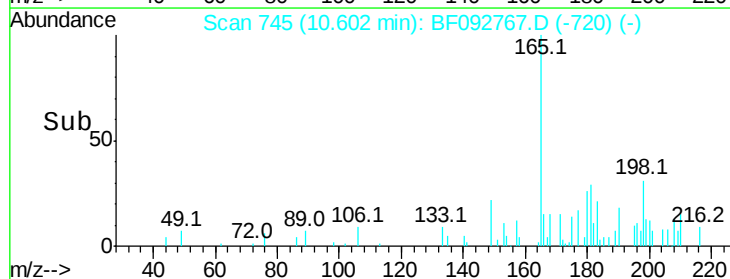
105 326.8 16.6 56.6#

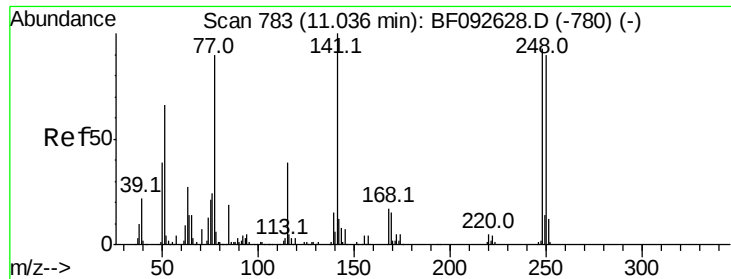


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.21 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :

BNA_F

ClientSampled :

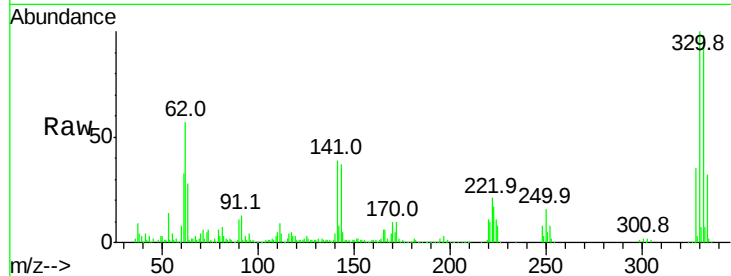
Tot Ion:248 Resp: 20858

Ion Ratio Lower Upper

248 100

250 199.8 76.9 115.3#

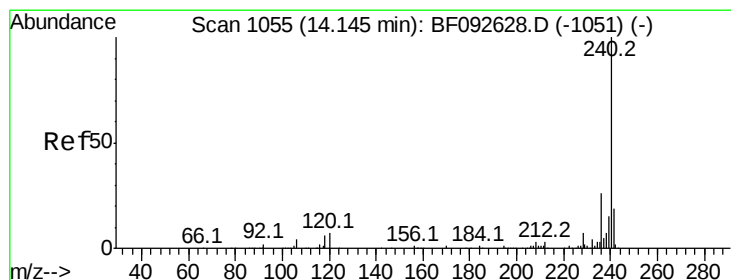
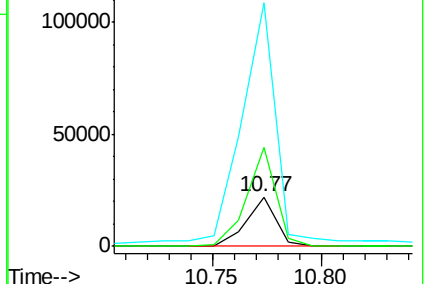
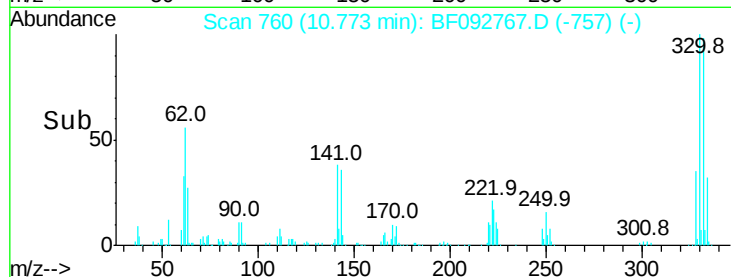
141 493.7 68.2 102.4#



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: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

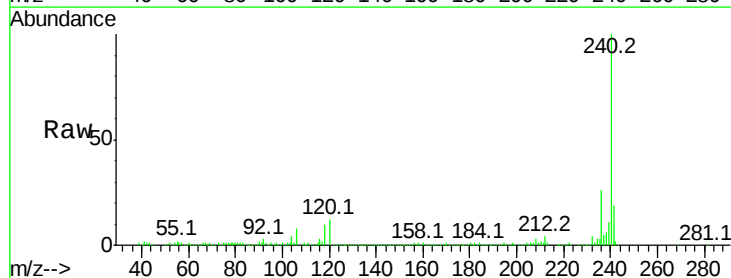
Tgt Ion:240 Resp: 367320

Ion Ratio Lower Upper

240 100

120 11.6 12.9 19.3#

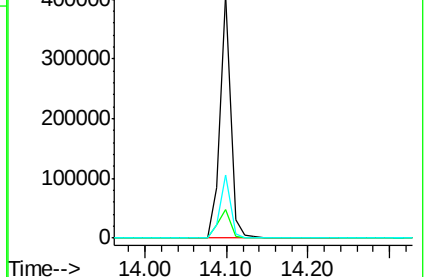
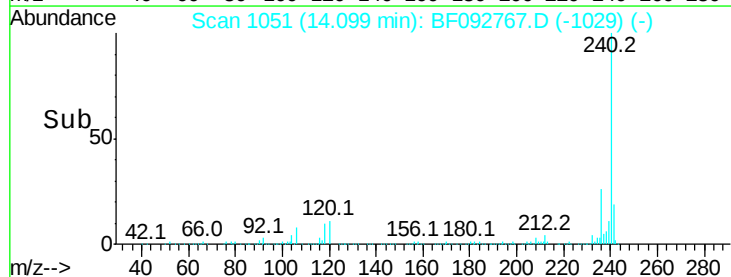
236 25.7 20.9 31.3

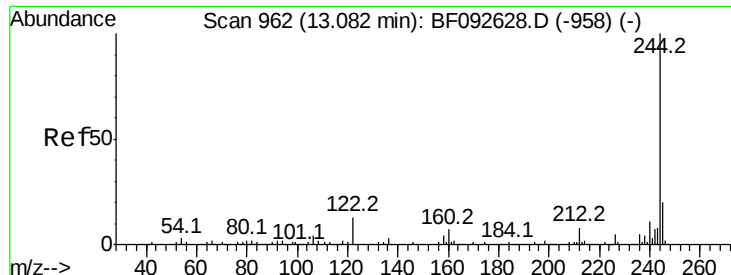


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 70.90 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

Instrument :

BNA_F

ClientSampleId :

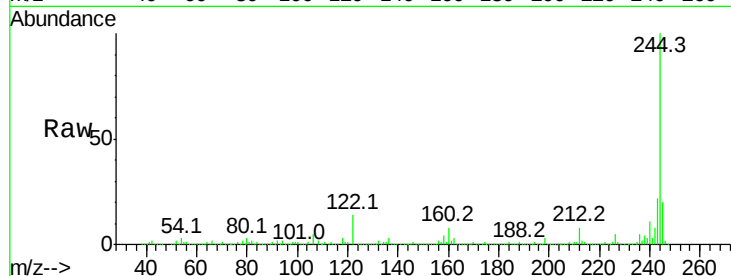
Tot Ion:244 Resp: 1108352

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

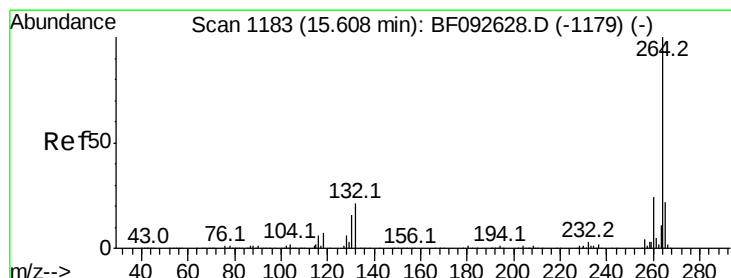
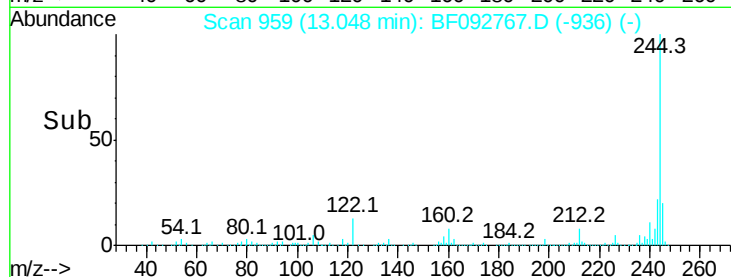
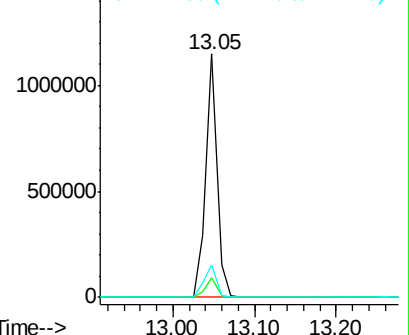
122 13.5 11.4 17.2



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: 15.56 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF092767.D

Acq: 3 Feb 2017 9:20

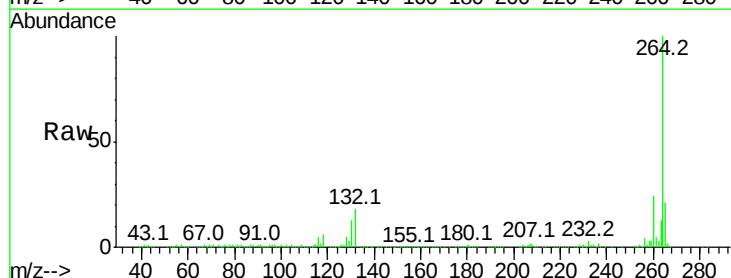
Tgt Ion:264 Resp: 314225

Ion Ratio Lower Upper

264 100

260 24.0 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

