

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093712.D
 Acq On : 16 Mar 2017 18:02
 Operator : SJ/MA
 Sample : I2244-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP

Quant Time: Mar 17 00:55:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

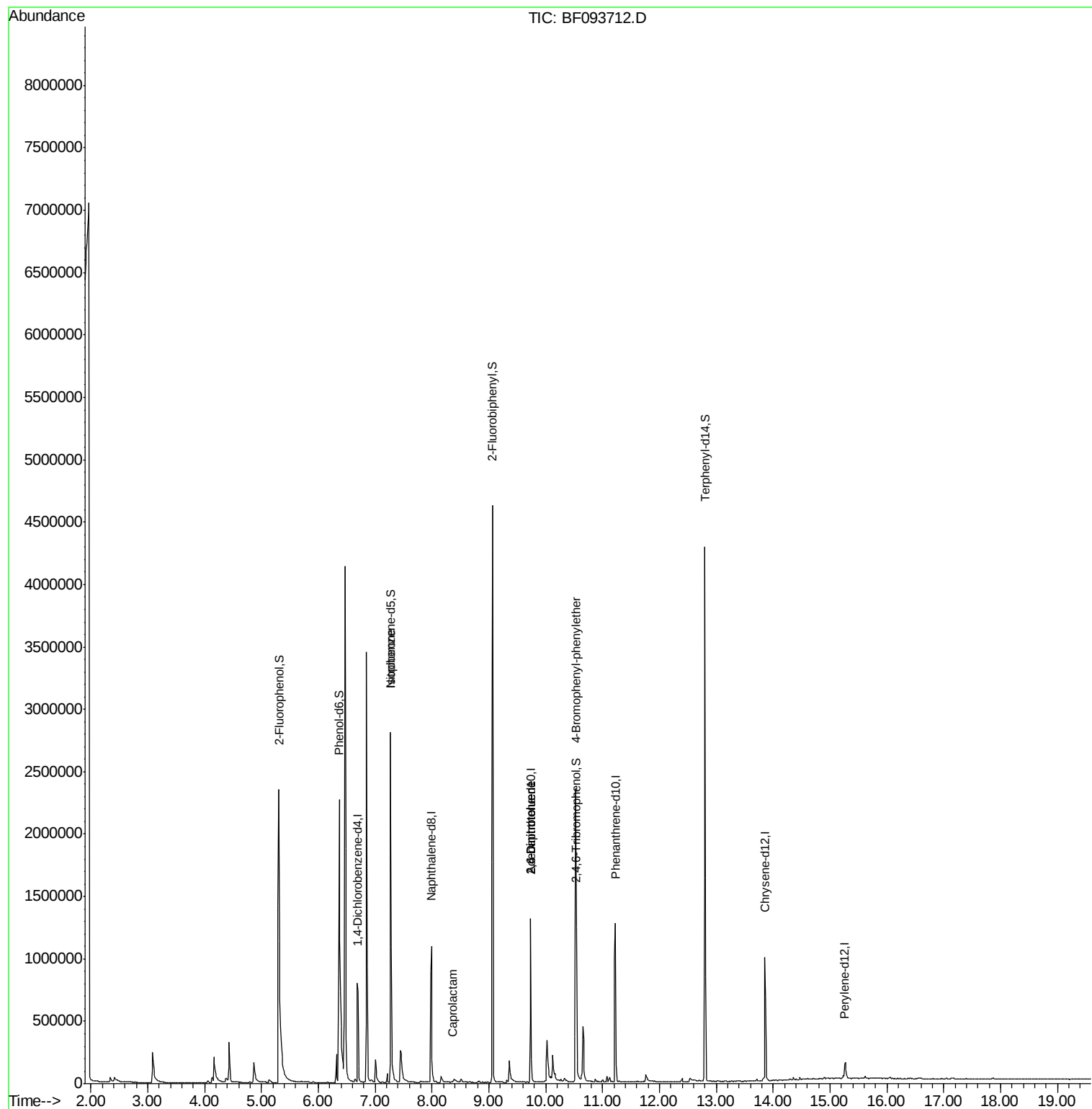
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	180711	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	720016	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	266889	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	624317	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	383777	20.00	ng	-0.03
86) Perylene-d12	15.26	264	28912	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1320967	121.66	ng	-0.01
7) Phenol-d6	6.37	99	1493080	109.05	ng	-0.01
23) Nitrobenzene-d5	7.27	82	1076886	82.98	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	325600	187.25	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1616056	112.63	ng	-0.02
78) Terphenyl-d14	12.80	244	1430270	96.89	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.37	77	2265	Below Cal	#	1
25) Isophorone	7.27	82	1032693	39.46	ng	# 65
35) Caprolactam	8.37	113	7876	2.26	ng	# 6
50) 2,6-Dinitrotoluene	9.74	165	32945	8.49	ng	# 33
56) 2,4-Dinitrotoluene	9.74	165	32940	6.91	ng	# 22
66) 4-Bromophenyl-phenylether	10.53	248	22208	3.36	ng	# 1

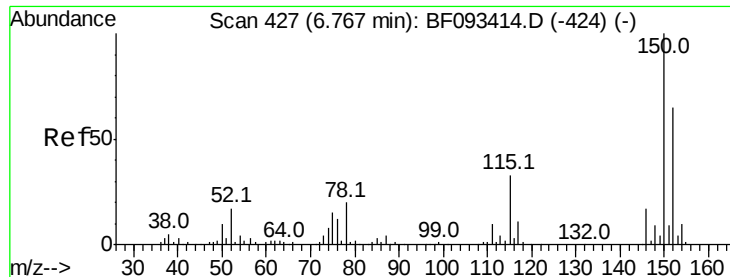
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

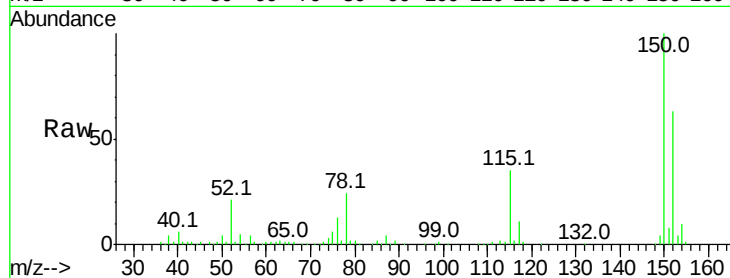
Tot Ion:152 Resp: 180711

Ion Ratio Lower Upper

152 100

150 158.9 124.9 187.3

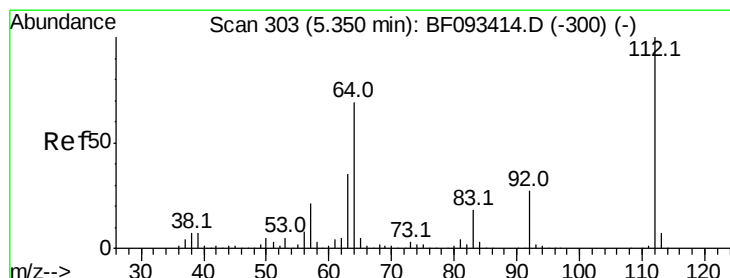
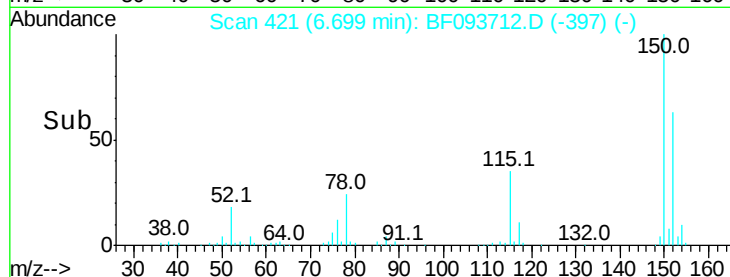
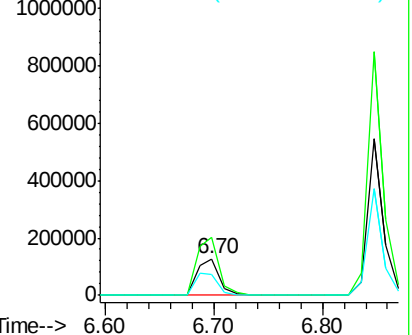
115 55.9 46.0 69.0



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: 121.66 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

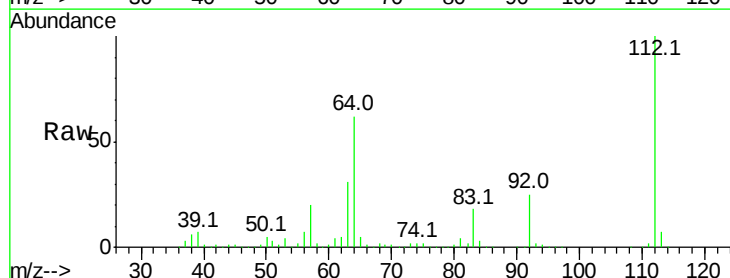
Tgt Ion:112 Resp: 1320967

Ion Ratio Lower Upper

112 100

64 62.2 46.1 69.1

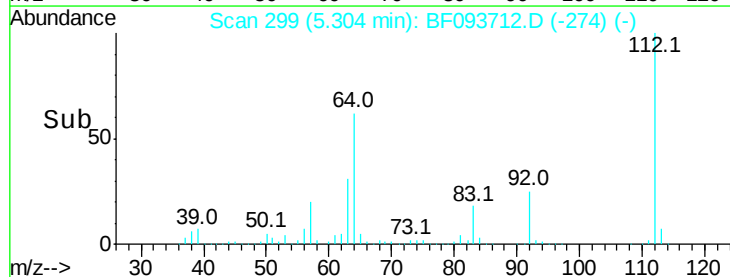
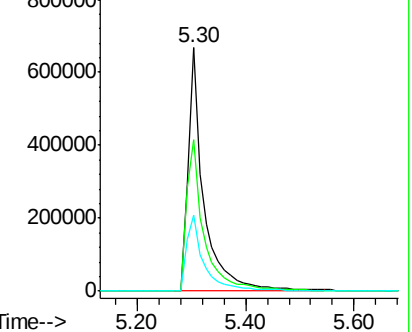
63 31.0 23.8 35.6

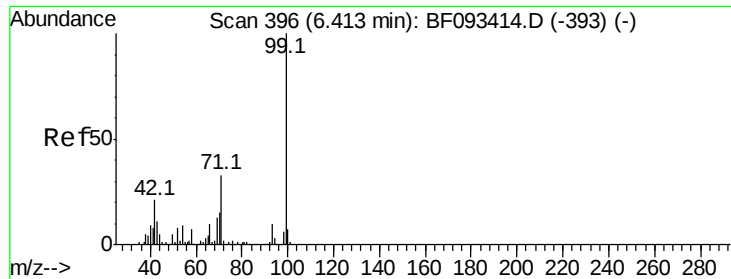


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.05 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

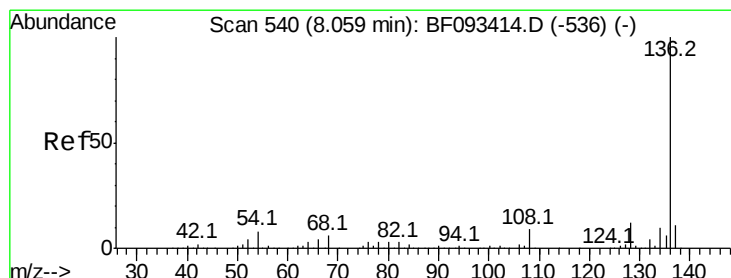
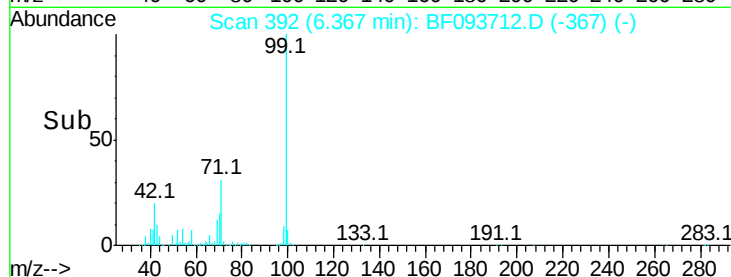
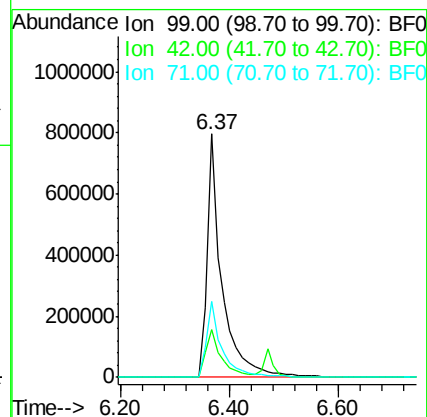
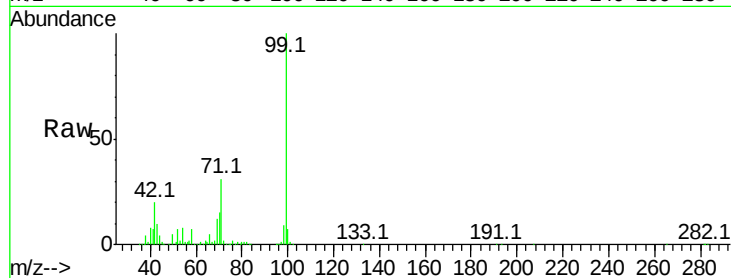
Tot Ion: 99 Resp: 1493080

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 31.4 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Tgt Ion: 136 Resp: 720016

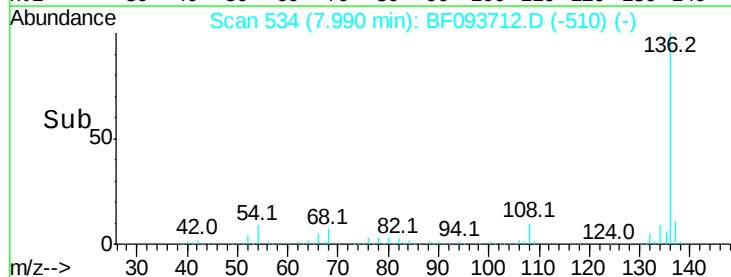
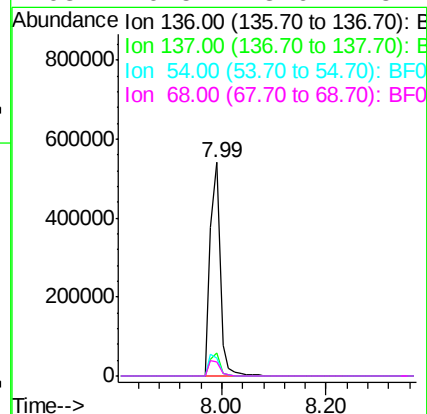
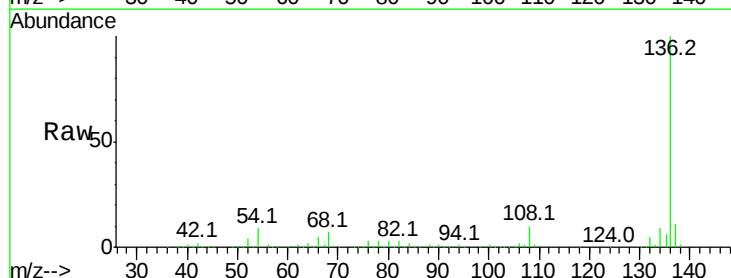
Ion Ratio Lower Upper

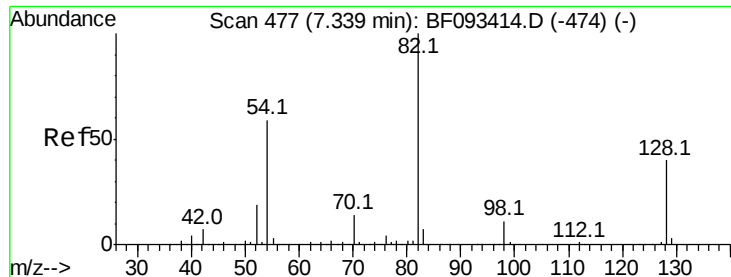
136 100

137 11.0 8.4 12.6

54 8.6 4.5 6.7#

68 6.5 3.6 5.4#

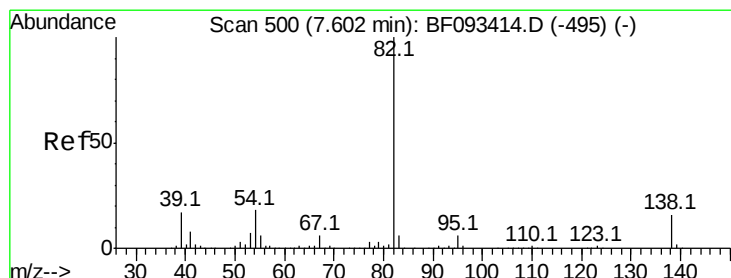
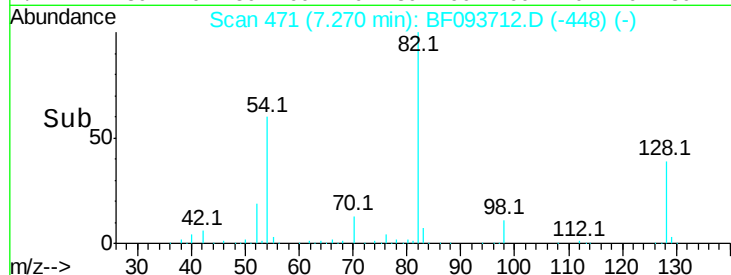
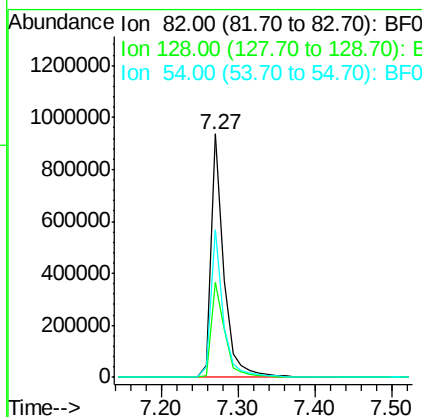
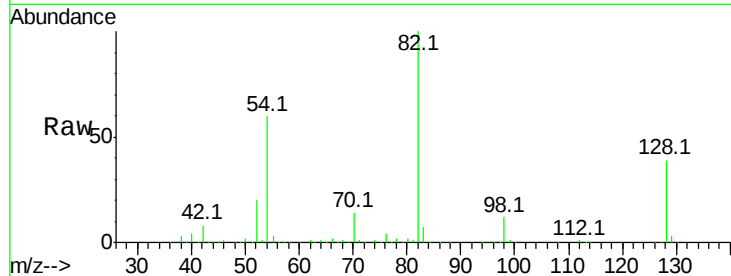




#23
 Nitrobenzene-d5
 Concen: 82.98 ng
 RT: 7.27 min Scan# 471
 Delta R.T. -0.03 min
 Lab File: BF093712.D
 Acq: 16 Mar 2017 18:02

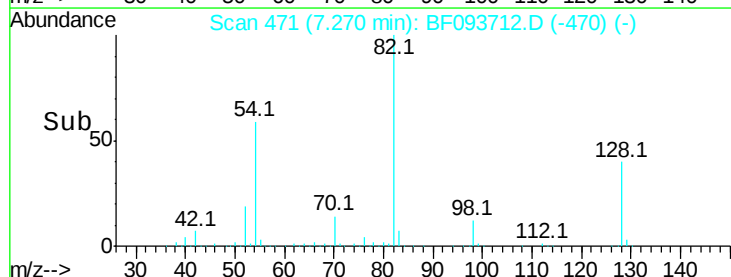
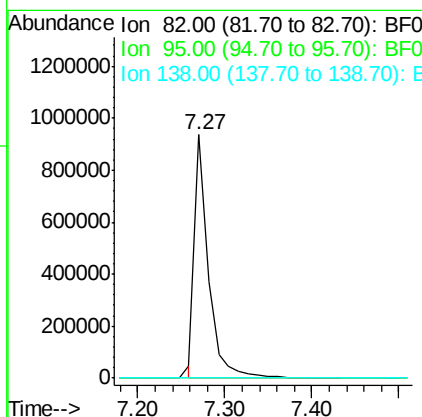
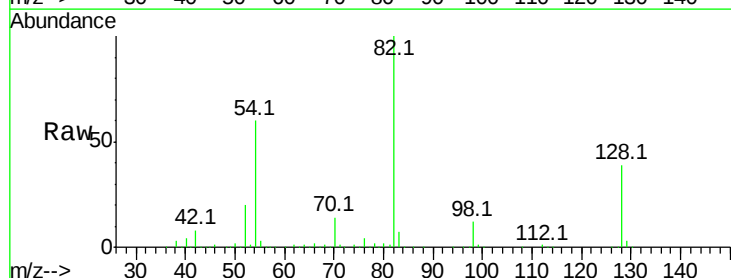
Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP

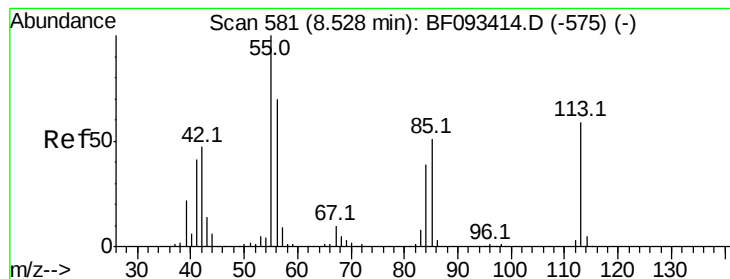
Tot Ion: 82 Resp: 1076886
 Ion Ratio Lower Upper
 82 100
 128 39.0 34.6 52.0
 54 60.4 39.5 59.3#



#25
 Isophorone
 Concen: 39.46 ng
 RT: 7.27 min Scan# 471
 Delta R.T. -0.29 min
 Lab File: BF093712.D
 Acq: 16 Mar 2017 18:02

Tgt Ion: 82 Resp: 1032693
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#





#35

Caprolactam

Concen: 2.26 ng

RT: 8.37 min Scan# 567

Delta R.T. -0.10 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

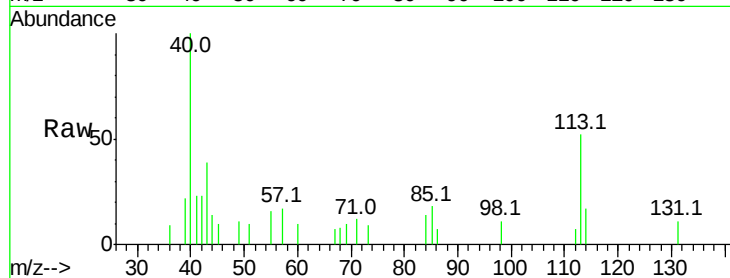
Tot Ion:113 Resp: 7876

Ion Ratio Lower Upper

113 100

55 31.5 119.2 159.2#

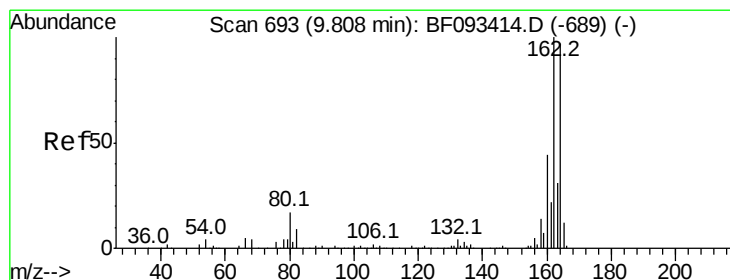
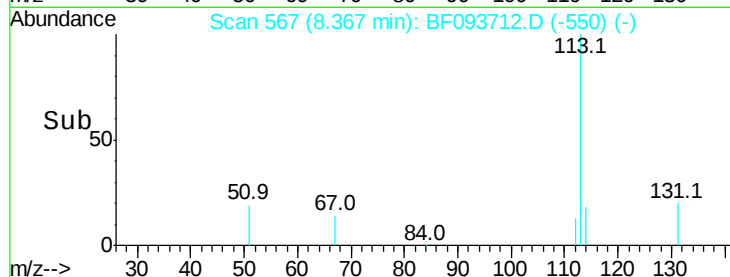
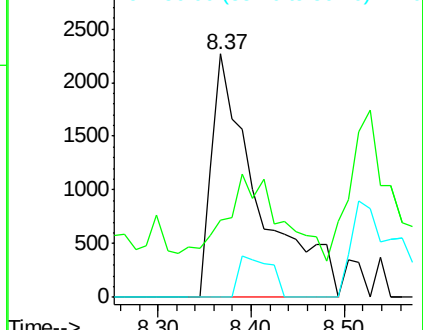
56 0.0 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

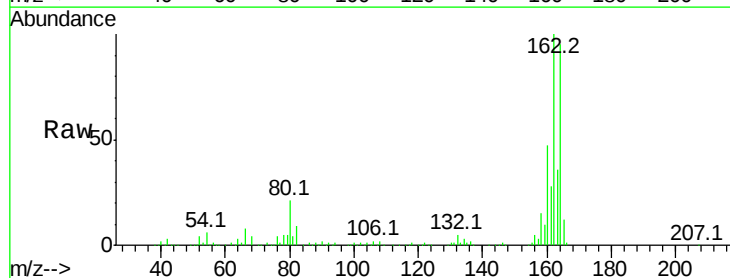
Tgt Ion:164 Resp: 266889

Ion Ratio Lower Upper

164 100

162 105.3 80.2 120.2

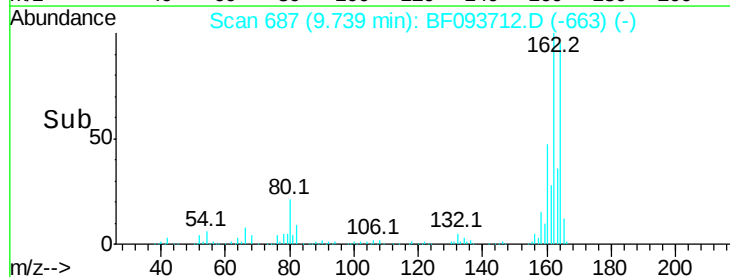
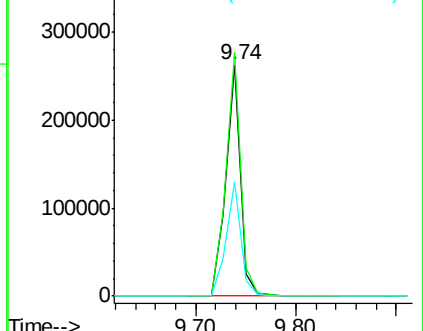
160 49.5 36.9 55.3

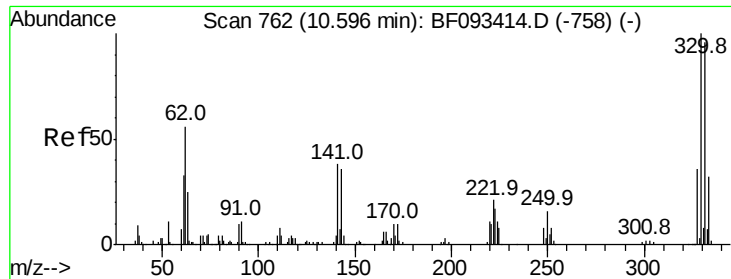


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

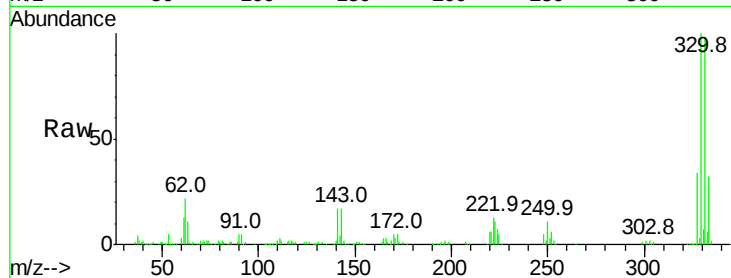




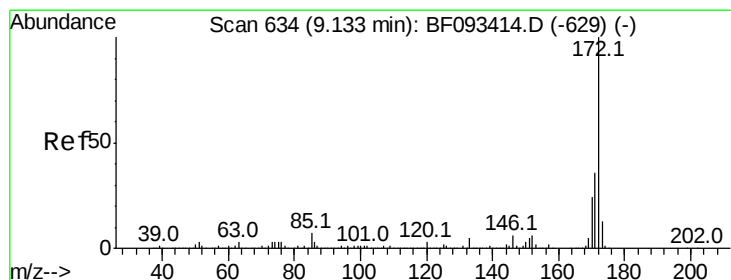
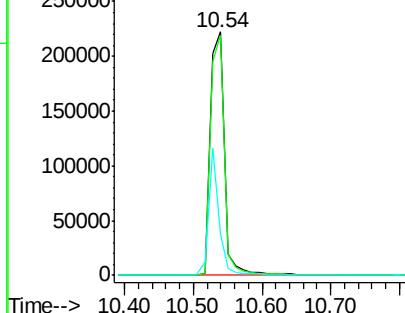
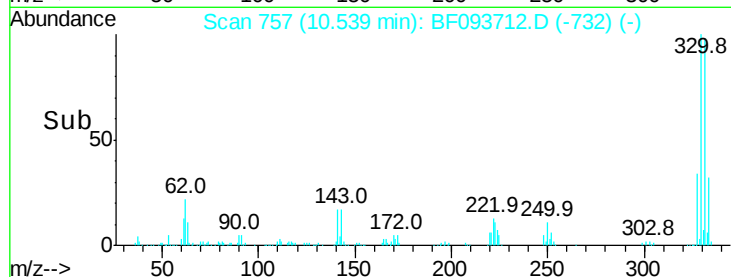
#41
 2,4,6-Tribromophenol
 Concen: 187.25 ng
 RT: 10.54 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF093712.D
 Acq: 16 Mar 2017 18:02

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP

Tot Ion:330 Resp: 325600
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 38.4 34.1 51.1

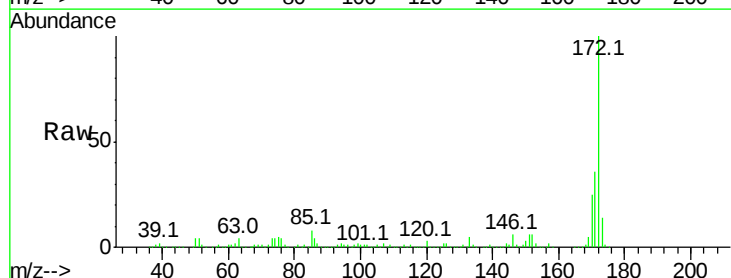


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

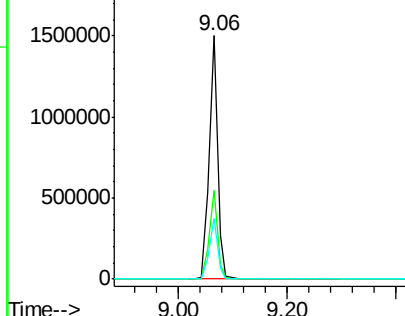
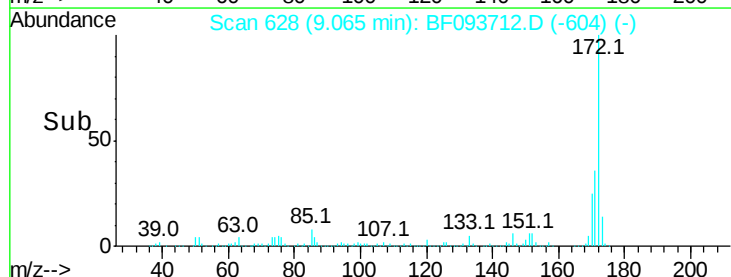


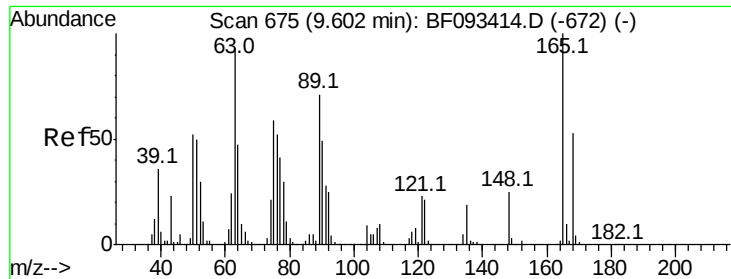
#44
 2-Fluorobiphenyl
 Concen: 112.63 ng
 RT: 9.06 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF093712.D
 Acq: 16 Mar 2017 18:02

Tgt Ion:172 Resp: 1616056
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.9 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: 8.49 ng

RT: 9.74 min Scan# 687

Delta R.T. 0.17 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

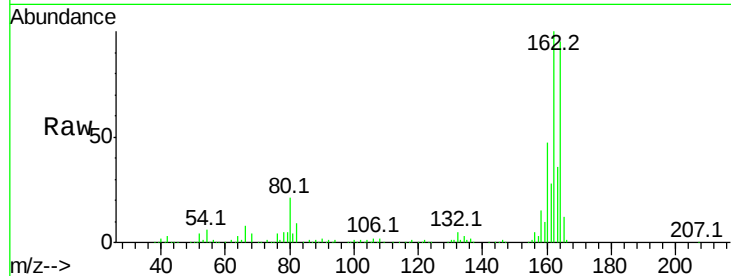
Tot Ion:165 Resp: 32945

Ion Ratio Lower Upper

165 100

63 2.6 36.2 54.4#

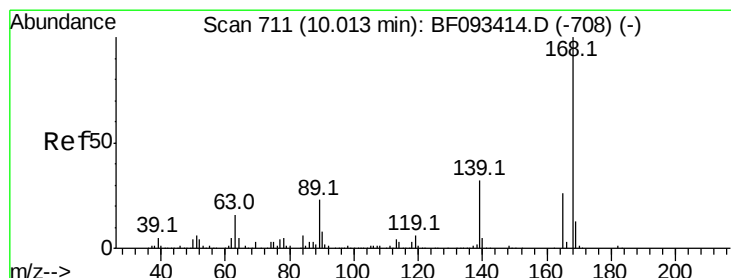
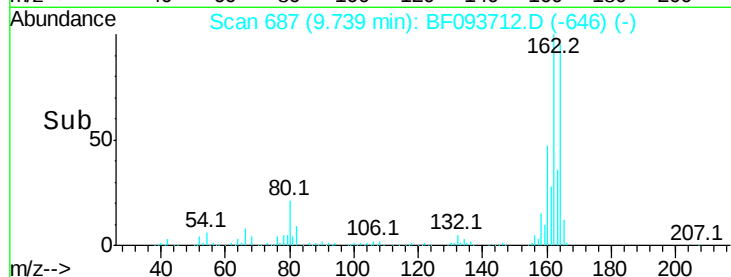
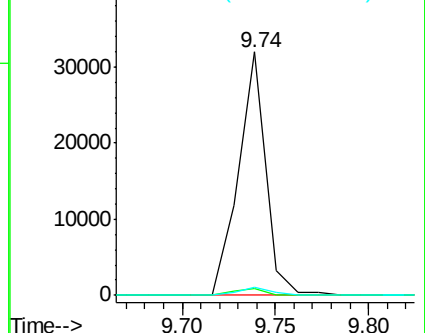
89 3.3 40.2 60.4#



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: 6.91 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.24 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Tgt Ion:165 Resp: 32940

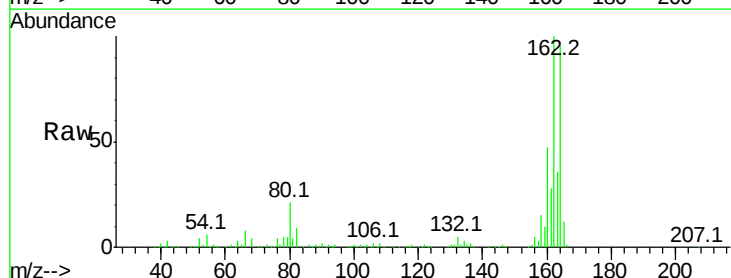
Ion Ratio Lower Upper

165 100

63 2.6 40.2 60.4#

89 3.3 62.5 93.7#

182 0.0 1.8 2.8#

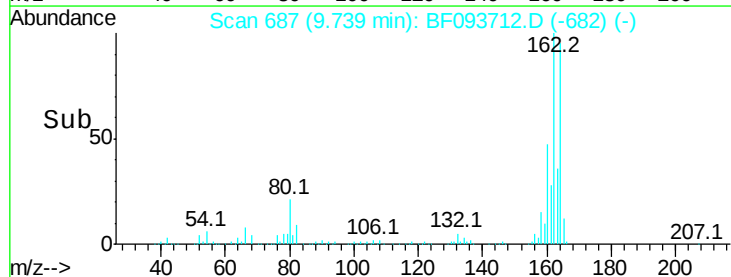
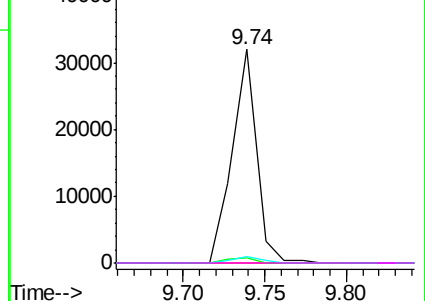


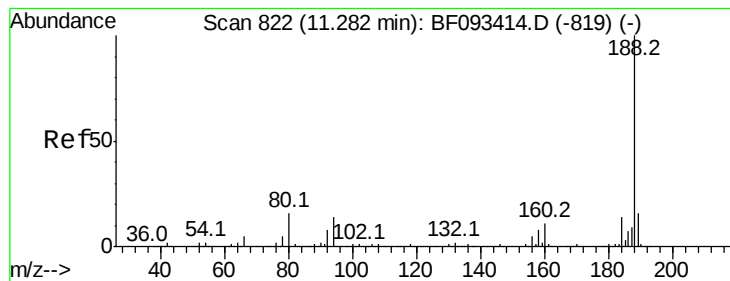
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

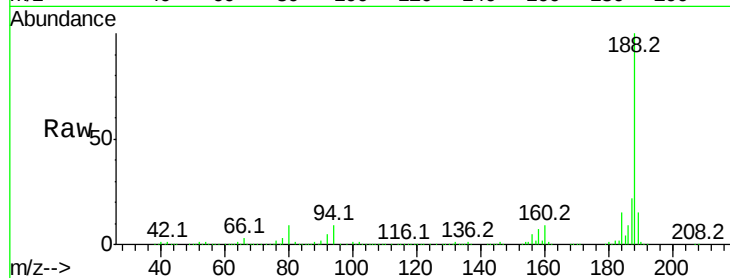
Tot Ion:188 Resp: 624317

Ion Ratio Lower Upper

188 100

94 8.8 10.0 15.0#

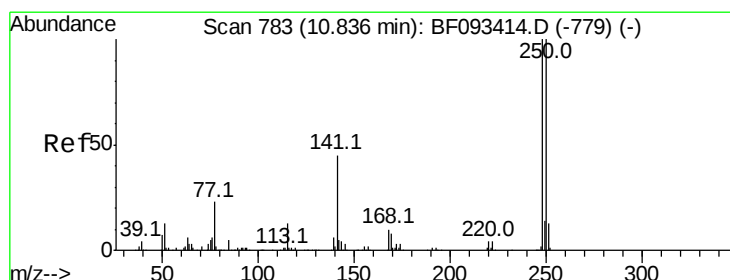
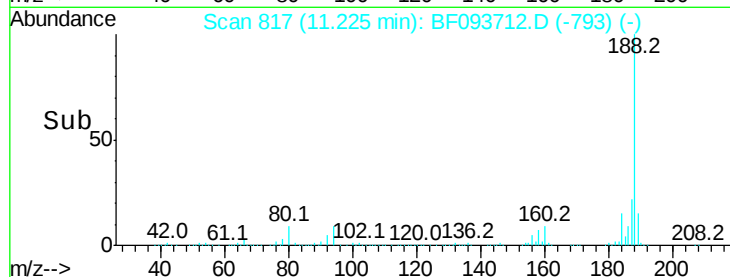
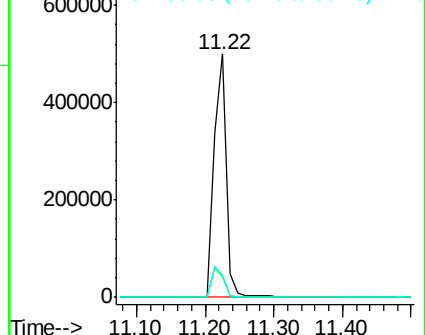
80 9.1 11.2 16.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.36 ng

RT: 10.53 min Scan# 756

Delta R.T. -0.26 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

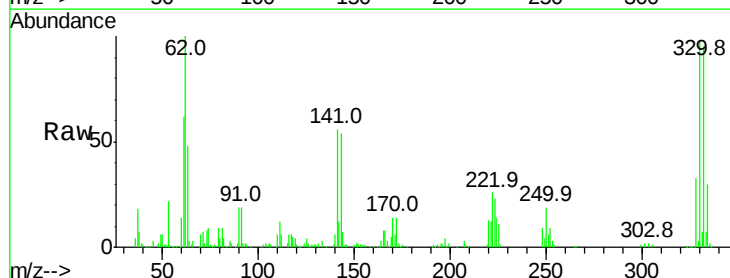
Tgt Ion:248 Resp: 22208

Ion Ratio Lower Upper

248 100

250 213.4 76.9 115.3#

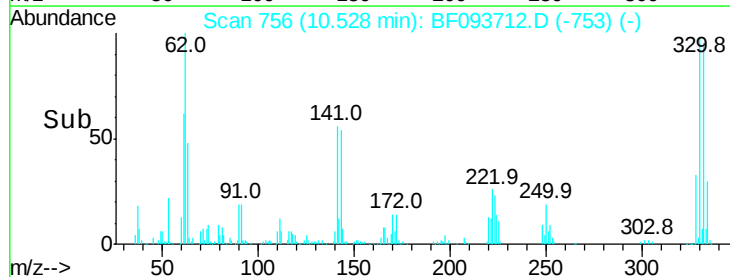
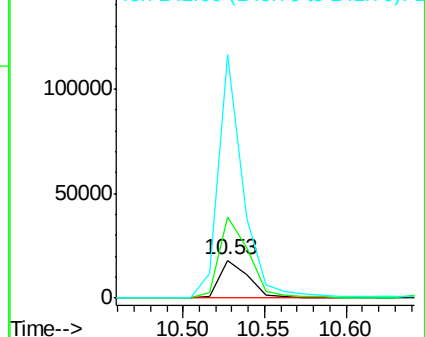
141 641.3 68.2 102.4#

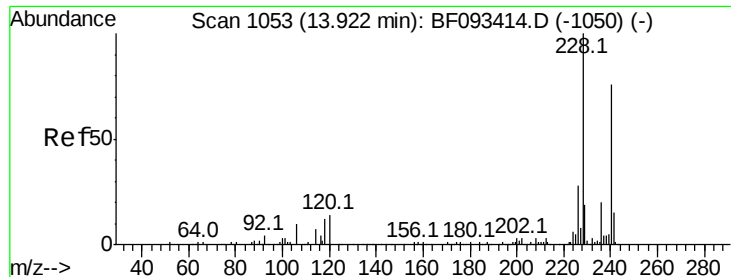


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

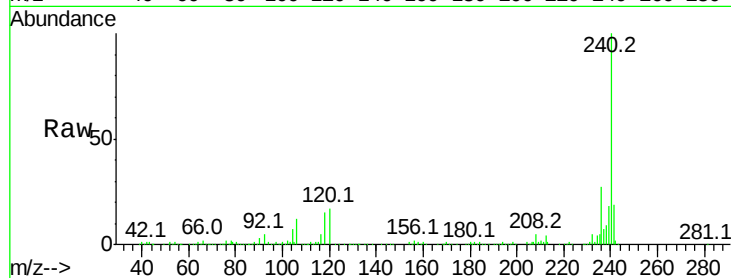
Tot Ion:240 Resp: 383777

Ion Ratio Lower Upper

240 100

120 17.0 12.9 19.3

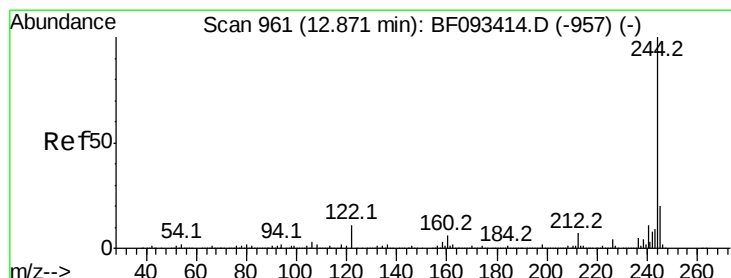
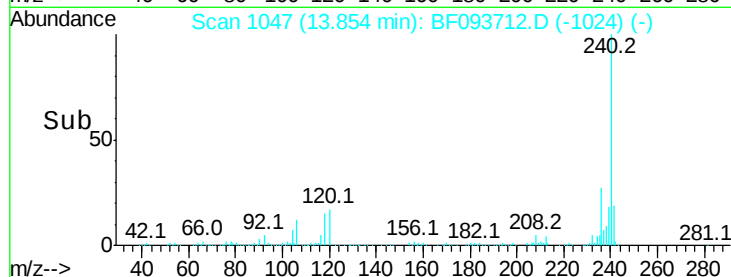
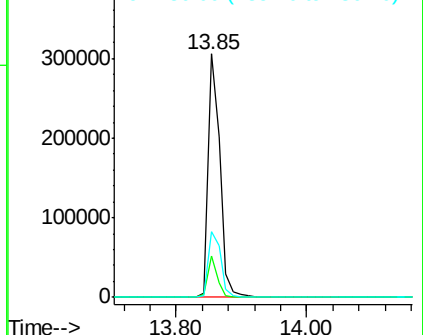
236 27.0 20.9 31.3



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: 96.89 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093712.D

Acq: 16 Mar 2017 18:02

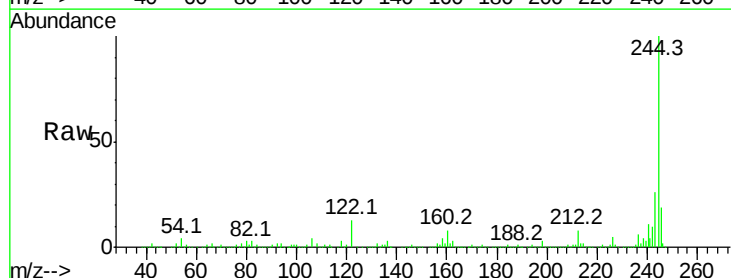
Tgt Ion:244 Resp: 1430270

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

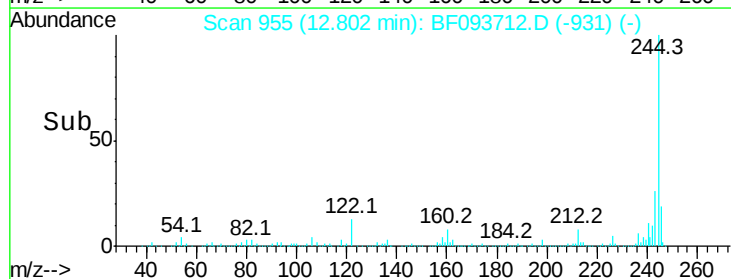
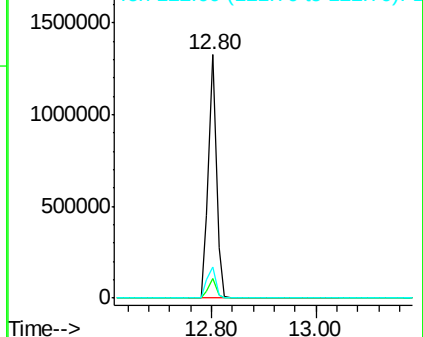
122 12.7 11.4 17.2

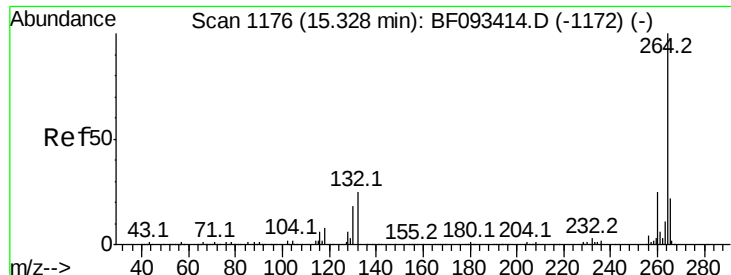


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

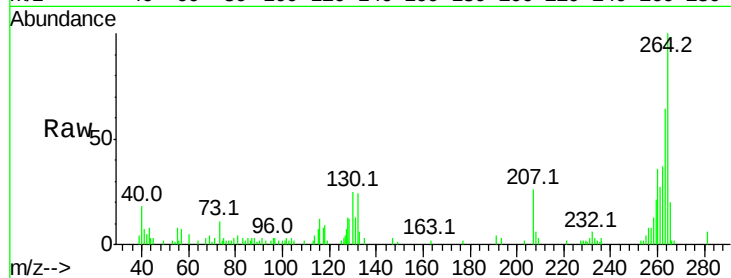




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.26 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF093712.D
 Acq: 16 Mar 2017 18:02

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP

Tot Ion:264 Resp: 28912
 Ion Ratio Lower Upper
 264 100
 260 36.0 19.2 28.8#
 265 19.9 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

