

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093547.D
 Acq On : 11 Mar 2017 3:05
 Operator : SJ/MA
 Sample : I2198-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Quant Time: Mar 11 03:56:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

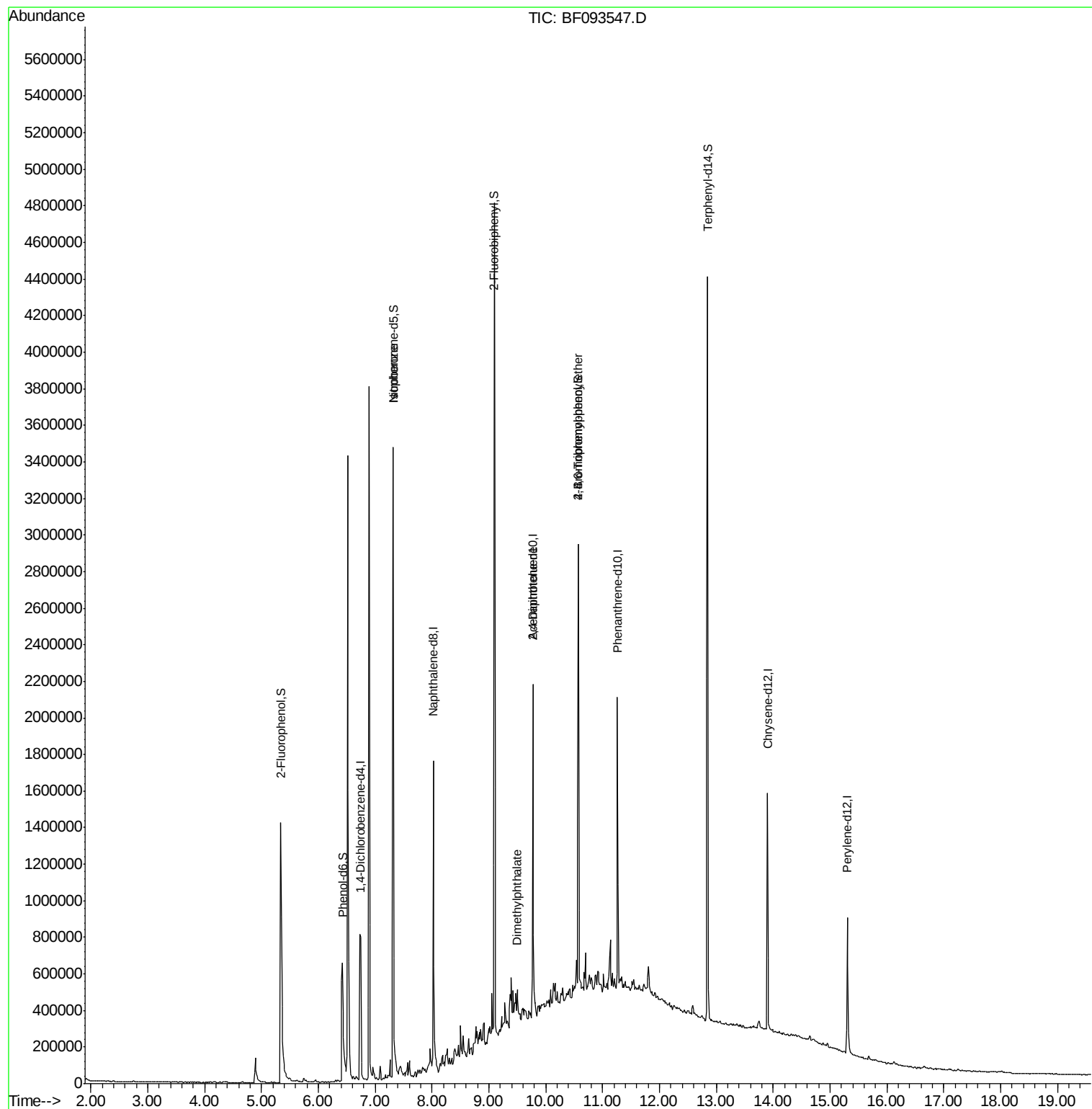
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	187668	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	762279	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	350396	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	606415	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	471502	20.00	ng	-0.02
86) Perylene-d12	15.31	264	358600	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	666840	59.14	ng	-0.01
7) Phenol-d6	6.42	99	546339	38.42	ng	0.01
23) Nitrobenzene-d5	7.32	82	1161407	84.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	297816	130.46	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1635684	86.83	ng	-0.03
78) Terphenyl-d14	12.85	244	1402561	77.34	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.42	77	1649	Below Cal	#	20
25) Isophorone	7.32	82	1161908	41.94	ng	# 65
49) Dimethylphthalate	9.50	163	51108	2.20	ng	# 95
56) 2,4-Dinitrotoluene	9.77	165	47055	7.51	ng	# 22
66) 4-Bromophenyl-phenylether	10.57	248	22794	3.55	ng	# 1

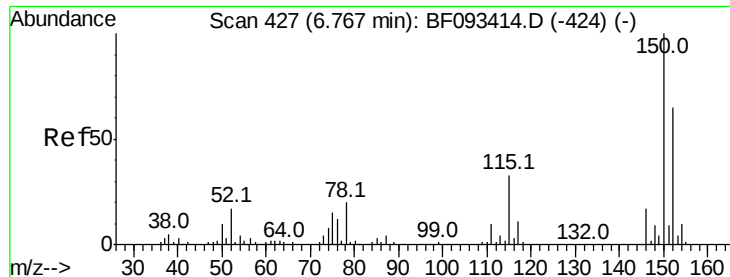
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

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ClientSampleId :

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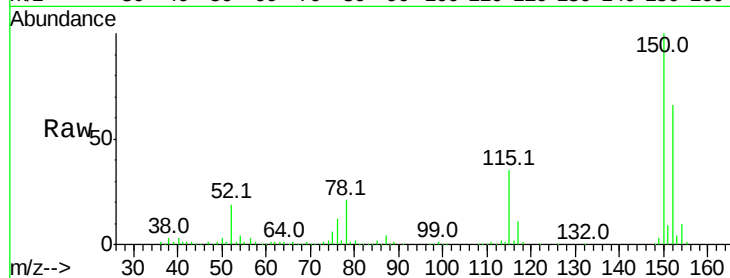
Tot Ion:152 Resp: 187668

Ion Ratio Lower Upper

152 100

150 150.4 124.9 187.3

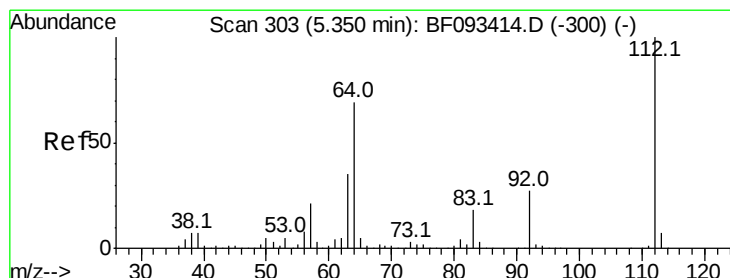
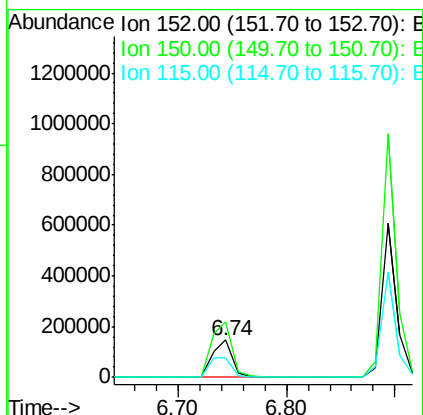
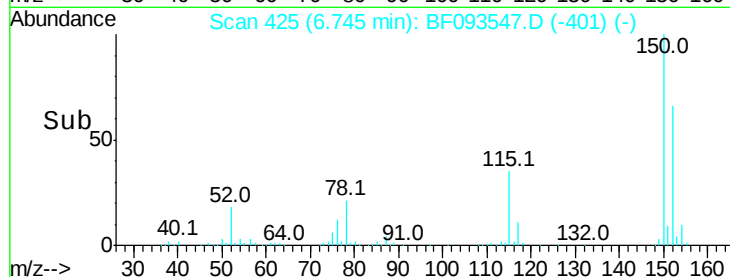
115 52.5 46.0 69.0



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: 59.14 ng

RT: 5.34 min Scan# 302

Delta R.T. -0.01 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

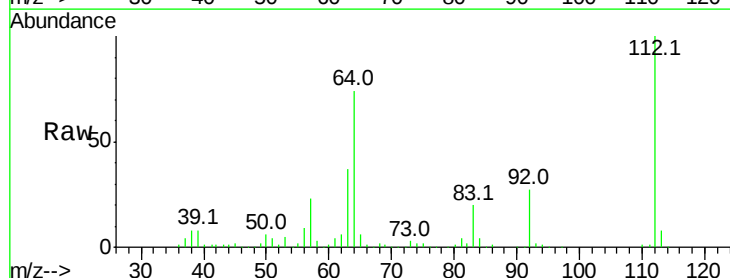
Tgt Ion:112 Resp: 666840

Ion Ratio Lower Upper

112 100

64 73.7 46.1 69.1#

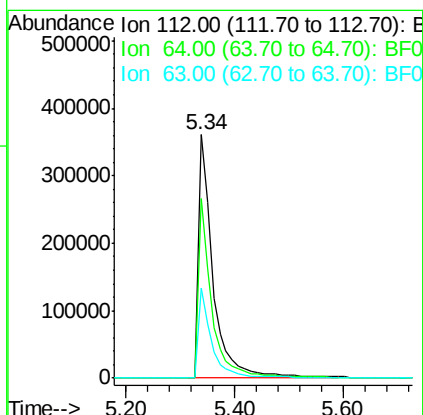
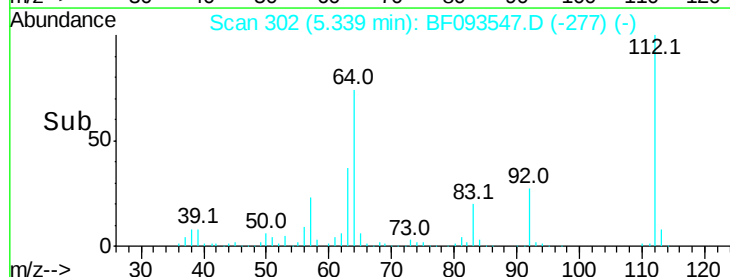
63 37.1 23.8 35.6#

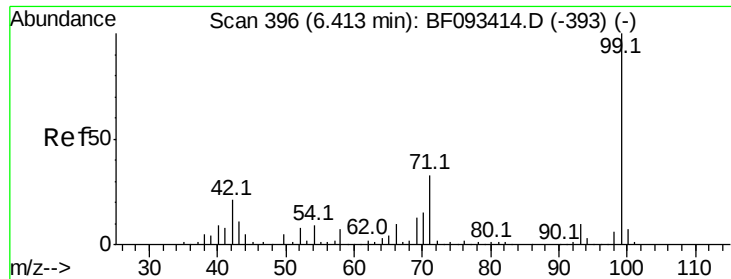


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.42 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

Instrument :

BNA_F

ClientSampleId :

W-13

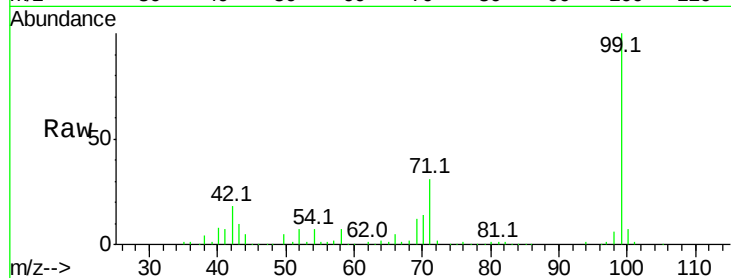
Tot Ion: 99 Resp: 546339

Ion Ratio Lower Upper

99 100

42 18.3 15.6 23.4

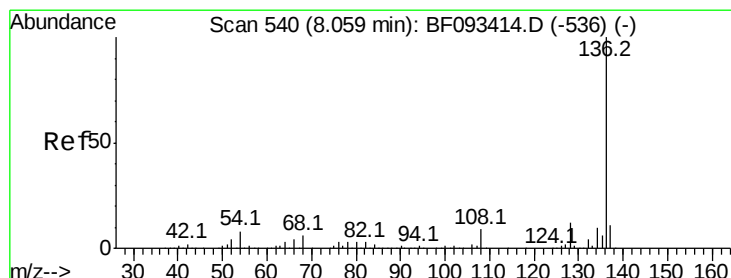
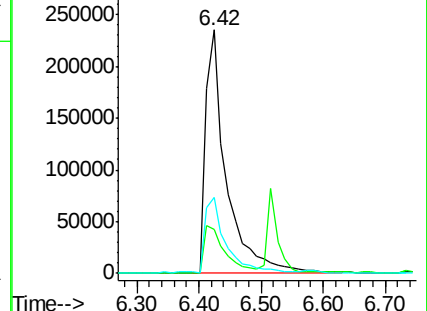
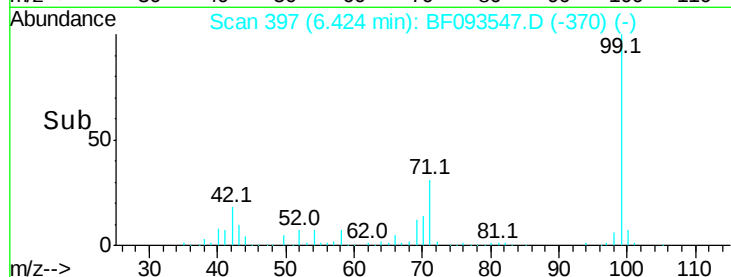
71 31.1 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

Tgt Ion: 136 Resp: 762279

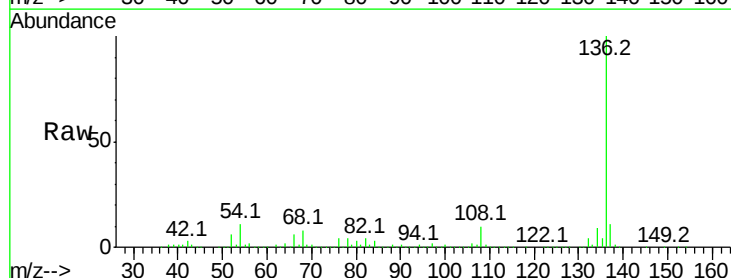
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 11.4 4.5 6.7#

68 8.4 3.6 5.4#

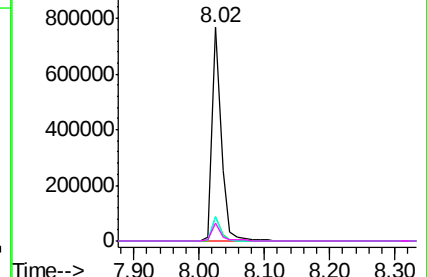
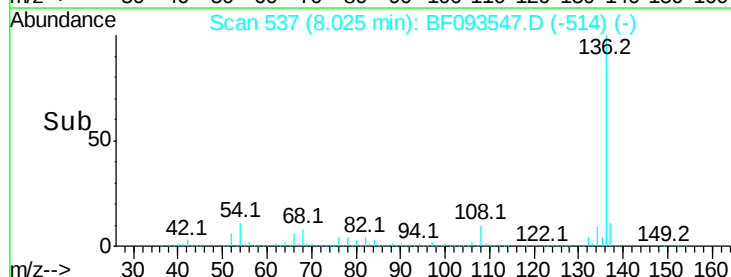


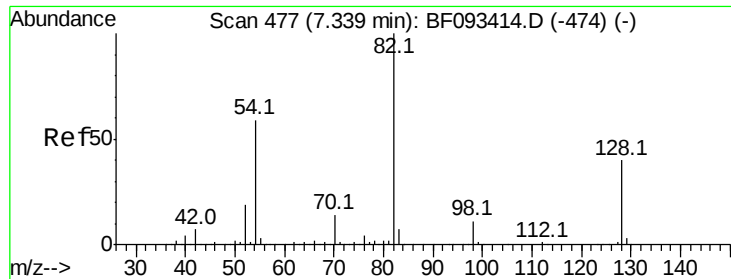
Abundance Ion 136.00 (135.70 to 136.70): E

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

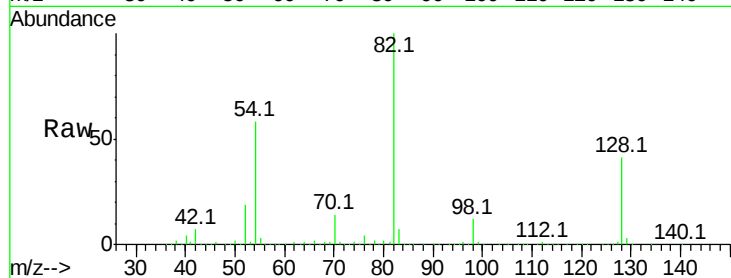




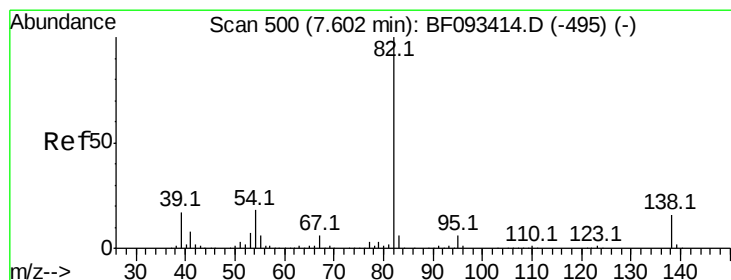
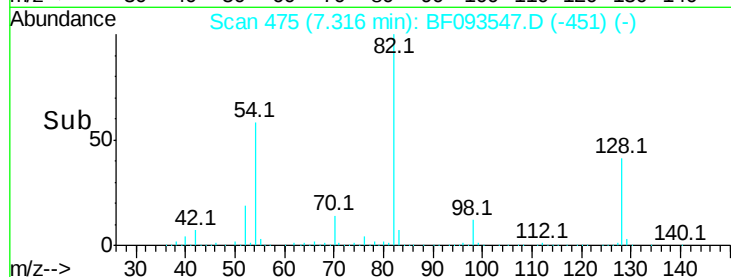
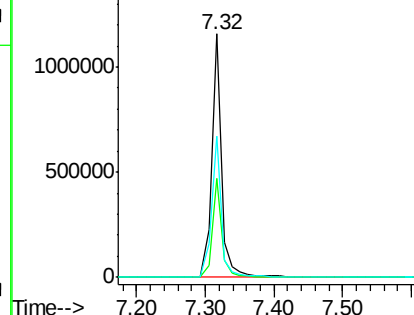
#23
 Nitrobenzene-d5
 Concen: 84.54 ng
 RT: 7.32 min Scan# 475
 Delta R.T. -0.02 min
 Lab File: BF093547.D
 Acq: 11 Mar 2017 3:05

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Tot Ion: 82 Resp: 1161407
 Ion Ratio Lower Upper
 82 100
 128 40.7 34.6 52.0
 54 57.8 39.5 59.3

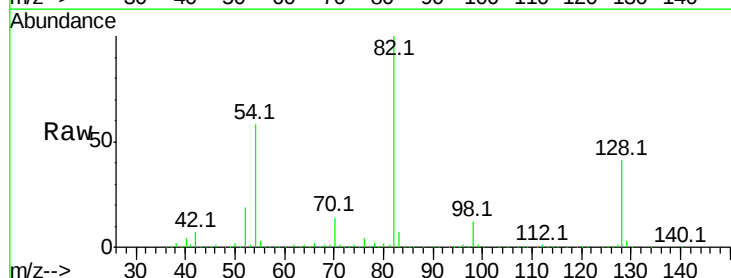


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

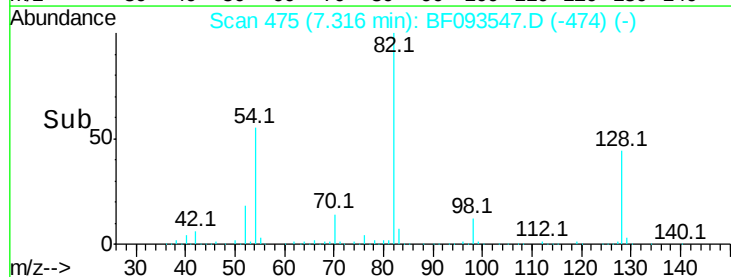
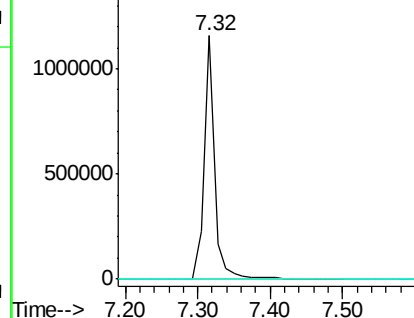


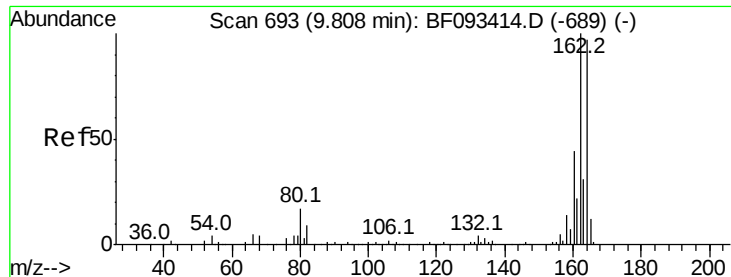
#25
 Isophorone
 Concen: 41.94 ng
 RT: 7.32 min Scan# 475
 Delta R.T. -0.29 min
 Lab File: BF093547.D
 Acq: 11 Mar 2017 3:05

Tgt Ion: 82 Resp: 1161908
 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

Instrument :

BNA_F

ClientSampleId :

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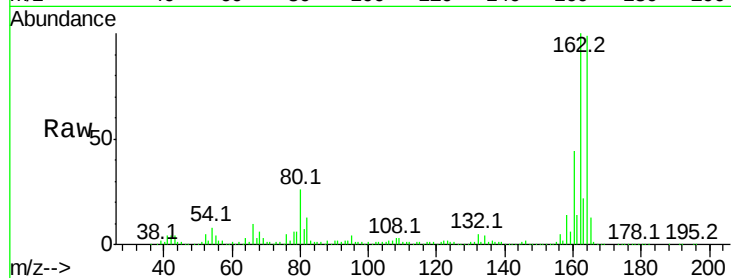
Tot Ion:164 Resp: 350396

Ion Ratio Lower Upper

164 100

162 101.2 80.2 120.2

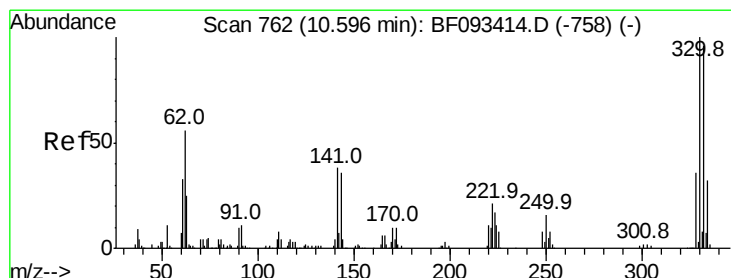
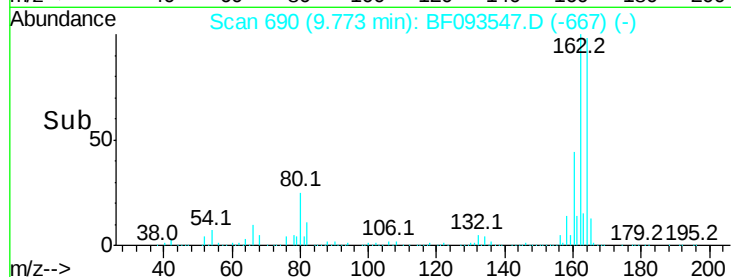
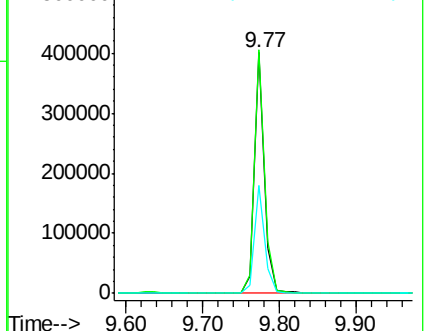
160 44.6 36.9 55.3



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: 130.46 ng

RT: 10.57 min Scan# 760

Delta R.T. -0.02 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

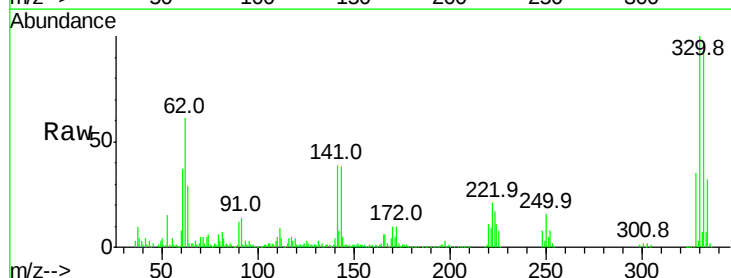
Tgt Ion:330 Resp: 297816

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

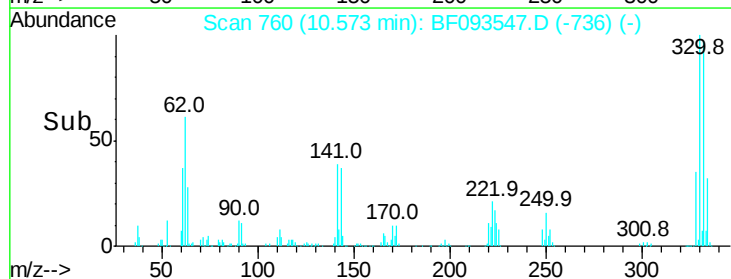
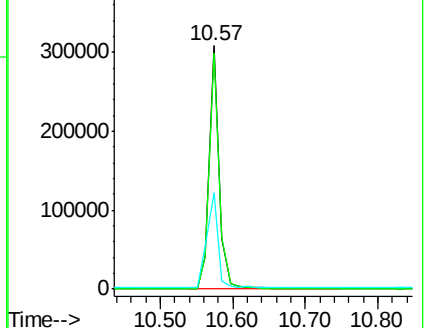
141 43.5 34.1 51.1

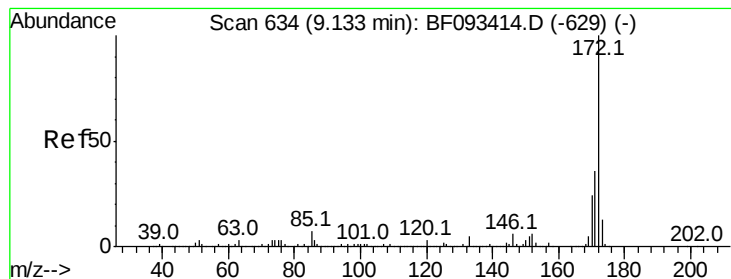


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 86.83 ng

RT: 9.10 min Scan# 631

Delta R.T. -0.03 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

Instrument :

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ClientSampleId :

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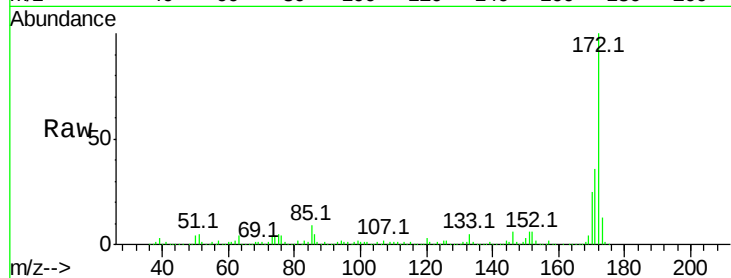
Tot Ion:172 Resp: 1635684

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

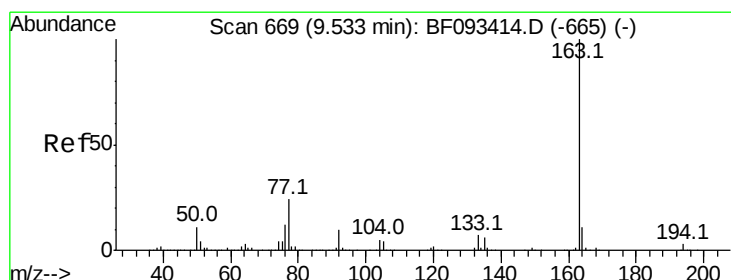
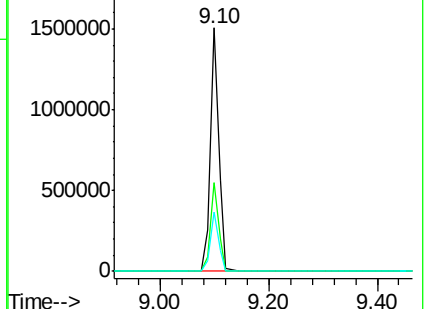
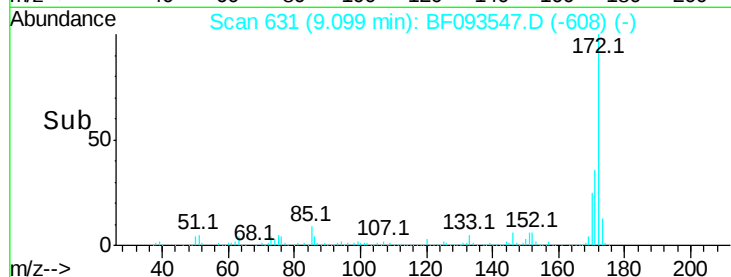
170 24.6 20.2 30.4



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



#49

Dimethylphthalate

Concen: 2.20 ng

RT: 9.50 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

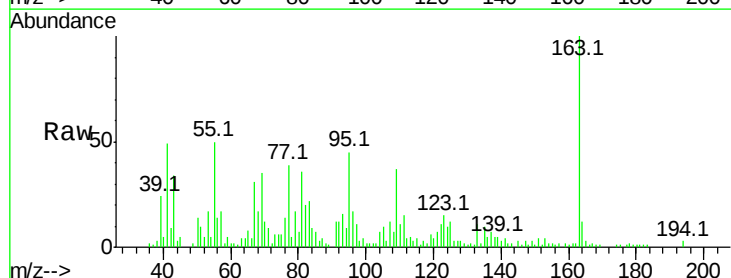
Tgt Ion:163 Resp: 51108

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

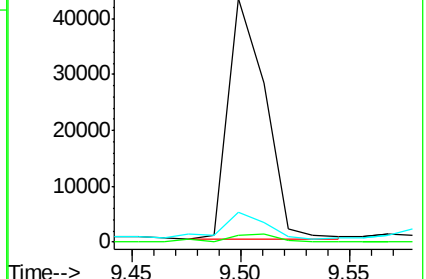
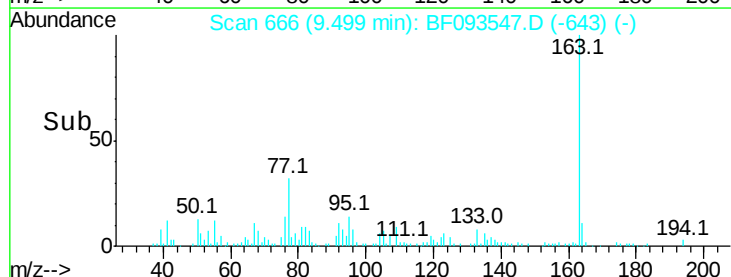
164 12.3 8.0 12.0#

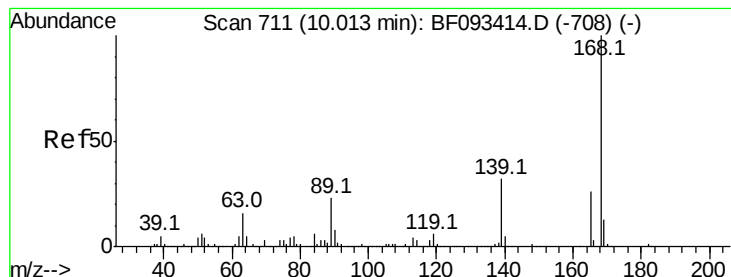


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 7.51 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.24 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

Instrument :

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ClientSampleId :

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Tot Ion:165 Resp: 47055

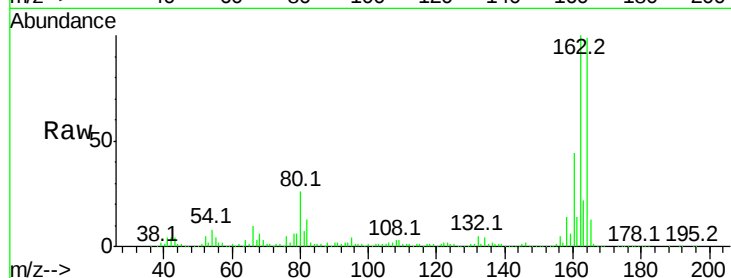
Ion Ratio Lower Upper

165 100

63 3.1 40.2 60.4#

89 2.2 62.5 93.7#

182 1.1 1.8 2.8#

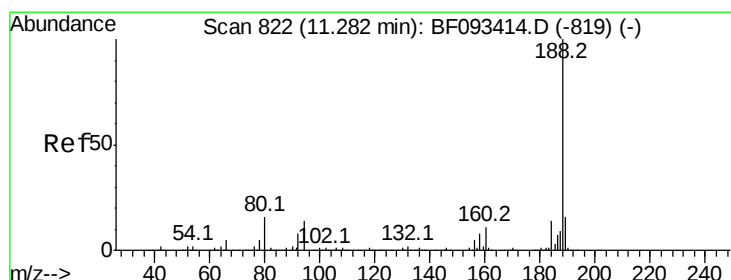
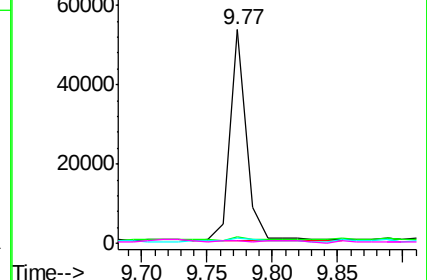
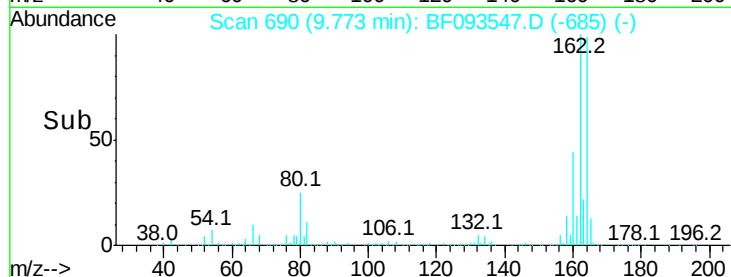


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.26 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

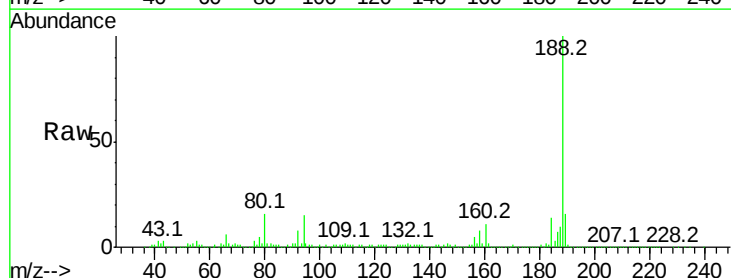
Tgt Ion:188 Resp: 606415

Ion Ratio Lower Upper

188 100

94 14.6 10.0 15.0

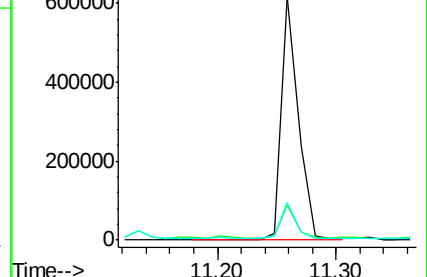
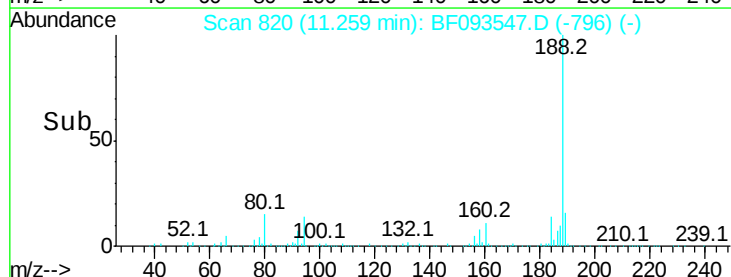
80 15.6 11.2 16.8

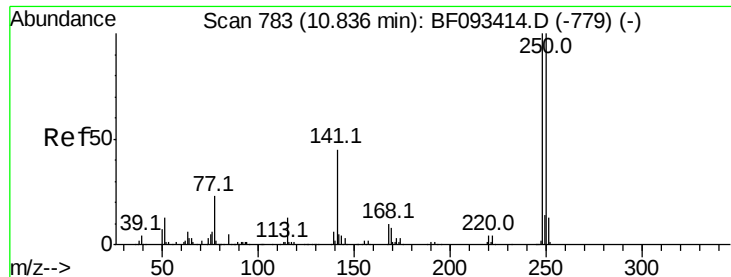


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

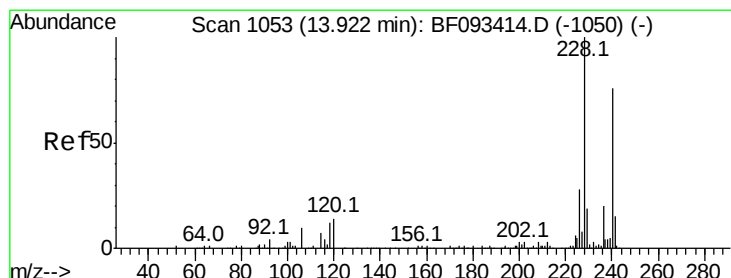
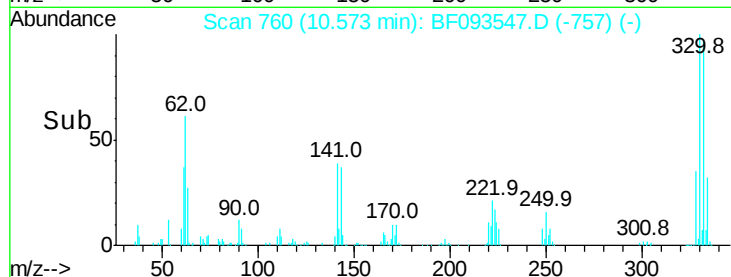
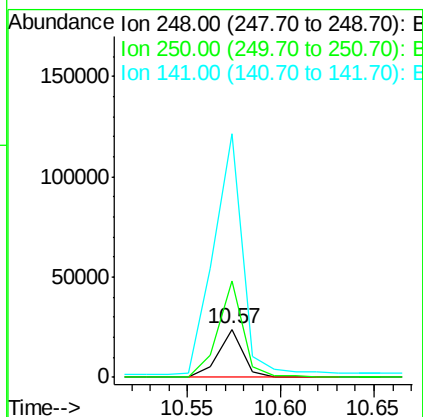
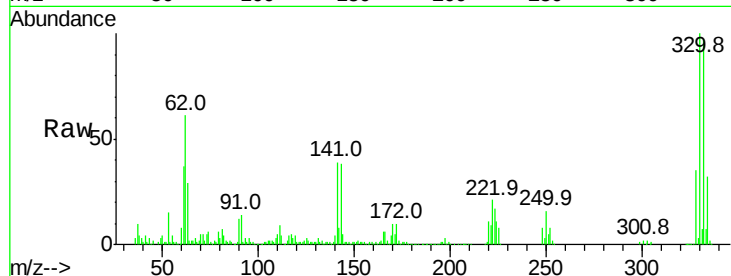




#66
 4-Bromophenyl-phenylether
 Concen: 3.55 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.26 min
 Lab File: BF093547.D
 Acq: 11 Mar 2017 3:05

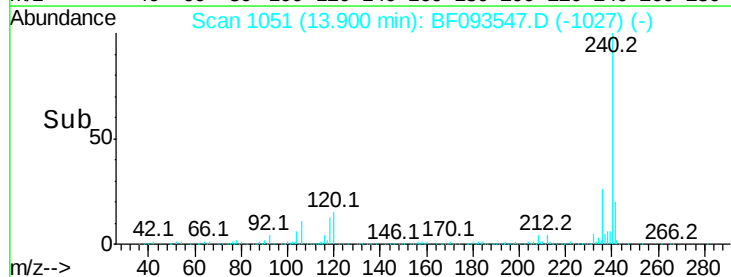
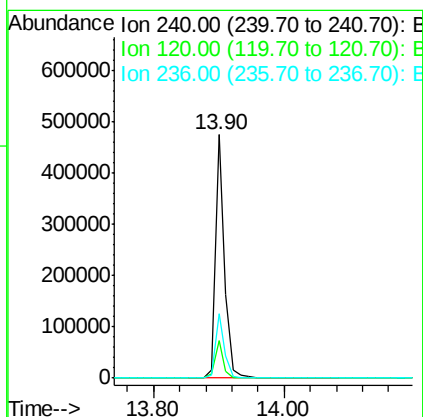
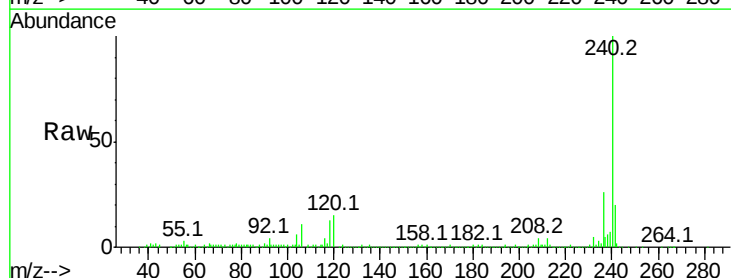
Instrument :
 BNA_F
 ClientSampleId :
 W-13

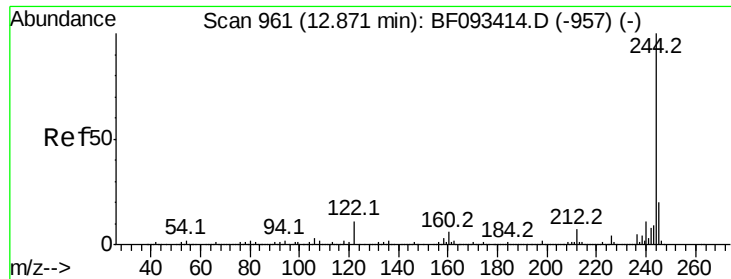
Tot Ion:248 Resp: 22794
 Ion Ratio Lower Upper
 248 100
 250 199.8 76.9 115.3#
 141 502.9 68.2 102.4#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BF093547.D
 Acq: 11 Mar 2017 3:05

Tgt Ion:240 Resp: 471502
 Ion Ratio Lower Upper
 240 100
 120 15.3 12.9 19.3
 236 26.3 20.9 31.3





#78

Terphenyl-d14

Concen: 77.34 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

Instrument :

BNA_F

ClientSampleId :

W-13

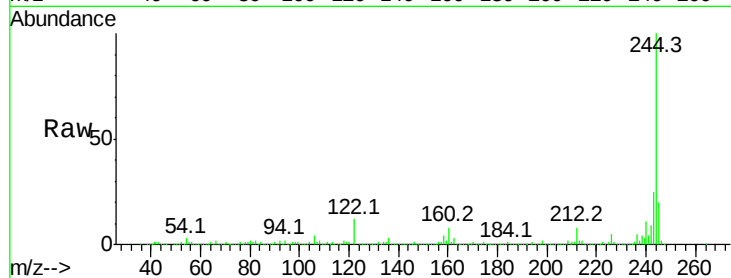
Tot Ion:244 Resp: 1402561

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

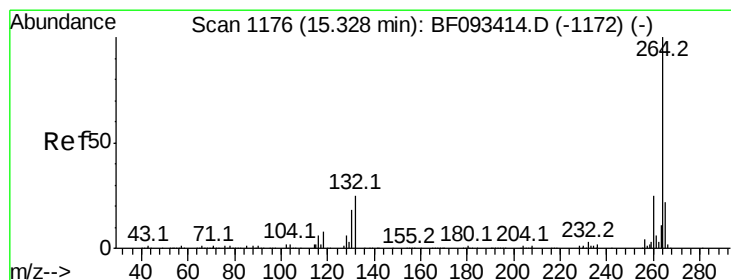
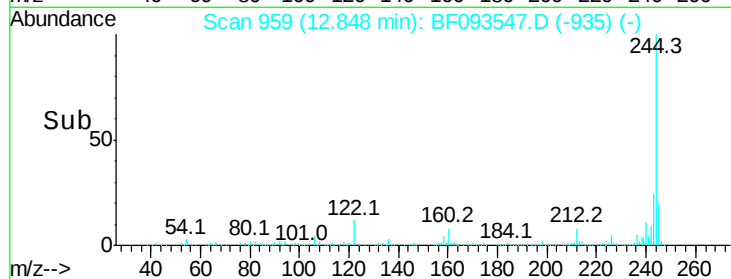
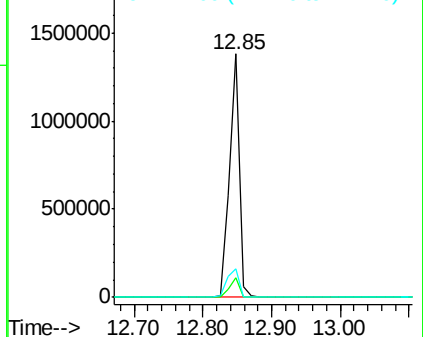
122 11.9 11.4 17.2



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: 15.31 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF093547.D

Acq: 11 Mar 2017 3:05

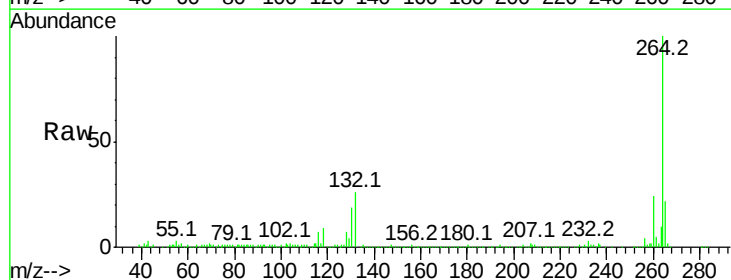
Tgt Ion:264 Resp: 358600

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.3 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

