

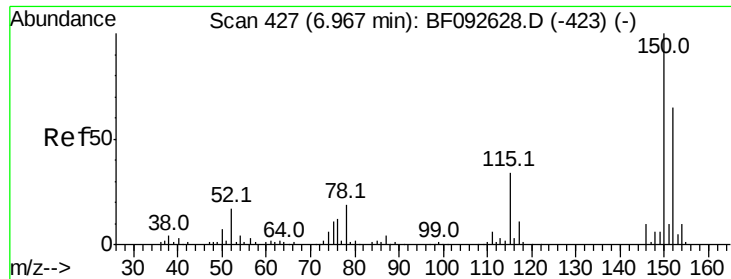
Data Path : Z:\HPCHEM1\BNA F\Data\BF021417\
 Data File : BF092935.D
 Acq On : 14 Feb 2017 11:16
 Operator : SJ/MA
 Sample : I1799-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 11:44:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	158661	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	615647	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	346190	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	567327	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	470167	20.00	ng	-0.02
86) Perylene-d12	15.46	264	330701	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	577429	62.44	ng	0.00
7) Phenol-d6	6.51	99	454382	38.19	ng	-0.02
23) Nitrobenzene-d5	7.45	82	1040863	94.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	291990	116.62	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1747872	91.47	ng	0.00
78) Terphenyl-d14	12.98	244	1327264	66.33	ng	-0.01
Target Compounds						
10) Phenol	6.52	94	67544	4.85	ng	# 70
19) n-Nitroso-di-n-propylamine	7.45	70	139368	18.40	ng	# 79
32) Benzoic acid	8.02	122	981	7.32	ng	# 17
49) Dimethylphthalate	9.63	163	82512	3.54	ng	100
50) 2,6-Dinitrotoluene	9.92	165	44786	8.89	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	44788	6.68	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.70	198	937	2.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	21996	3.71	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

Instrument :

BNA_F

ClientSampleId :

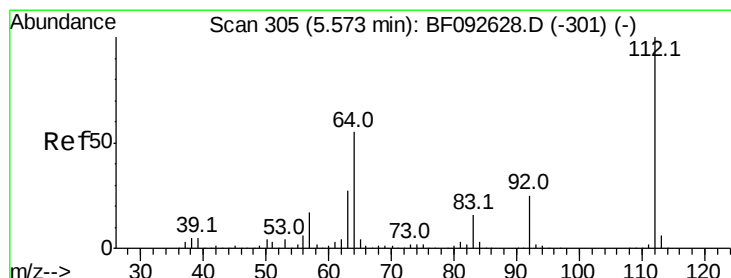
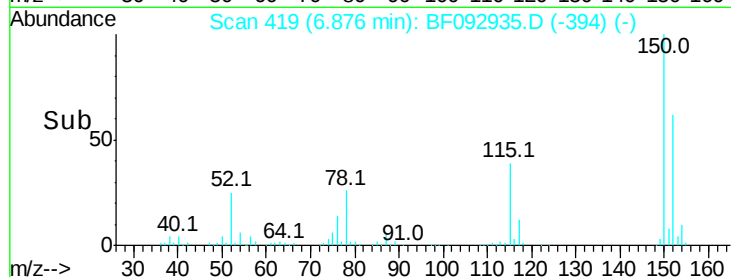
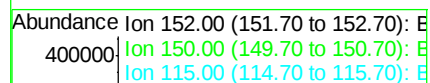
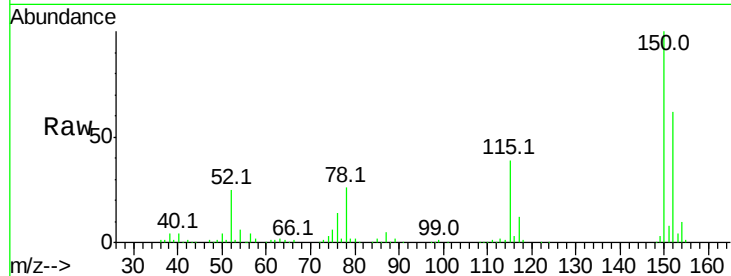
Tot Ion:152 Resp: 158661

Ion Ratio Lower Upper

152 100

150 160.4 124.9 187.3

115 62.0 46.0 69.0



#5

2-Fluorophenol

Concen: 62.44 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

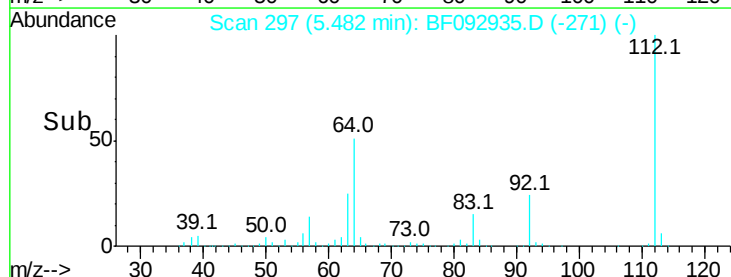
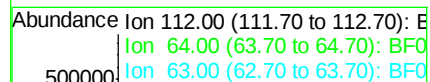
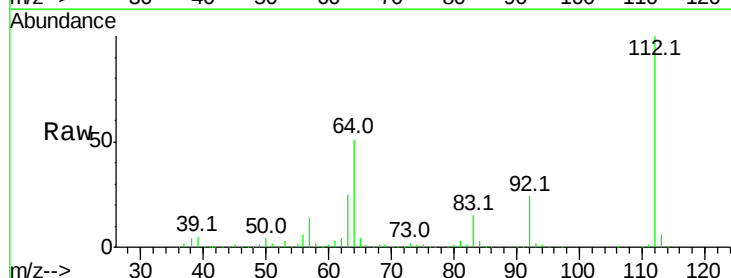
Tgt Ion:112 Resp: 577429

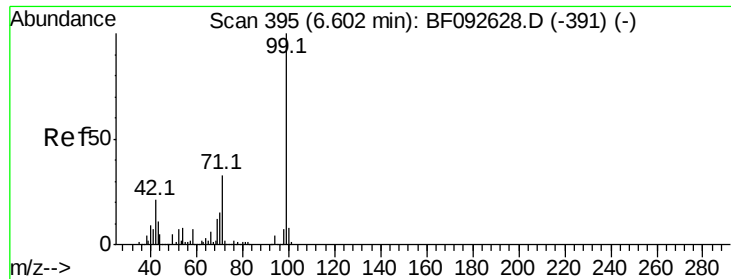
Ion Ratio Lower Upper

112 100

64 50.8 46.1 69.1

63 24.9 23.8 35.6





#7

Phenol-d6

Concen: 38.19 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

Instrument :

BNA_F

ClientSampleId :

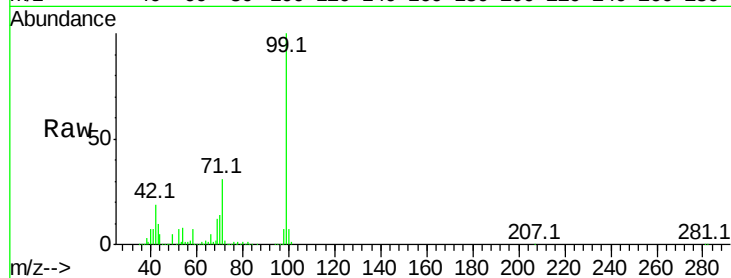
Tot Ion: 99 Resp: 454382

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

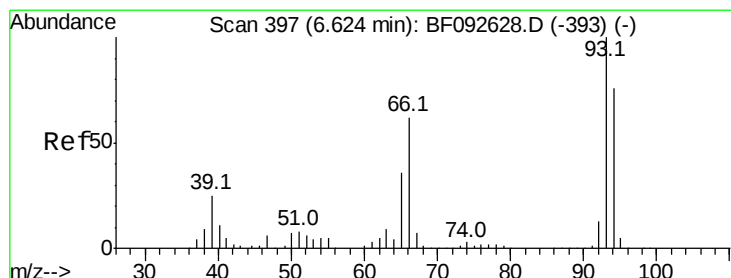
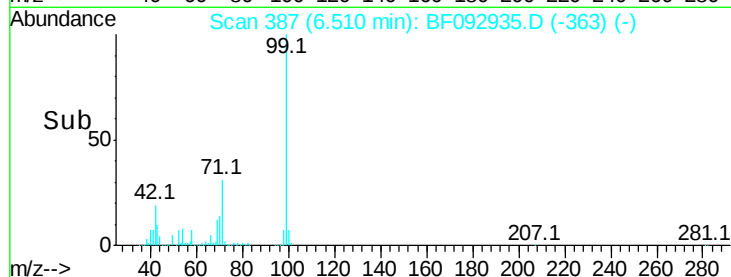
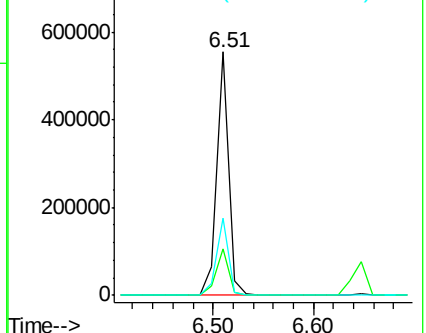
71 31.5 27.5 41.3



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



#10

Phenol

Concen: 4.85 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

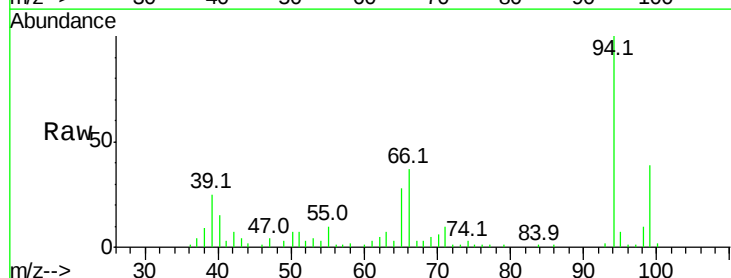
Tgt Ion: 94 Resp: 67544

Ion Ratio Lower Upper

94 100

65 27.9 21.4 61.4

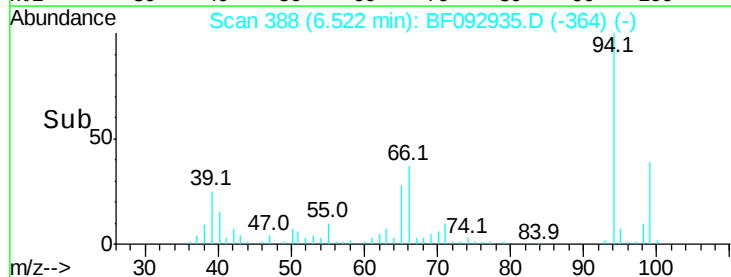
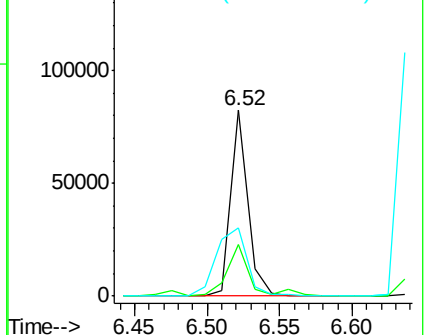
66 36.9 44.0 84.0#

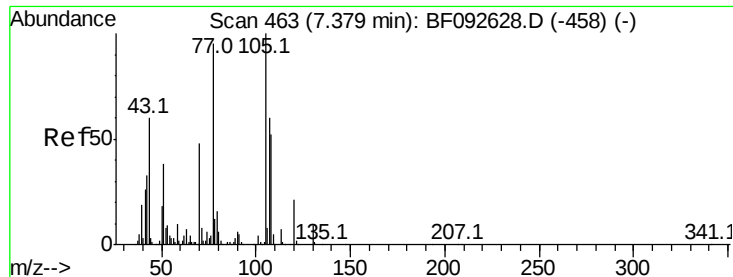


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

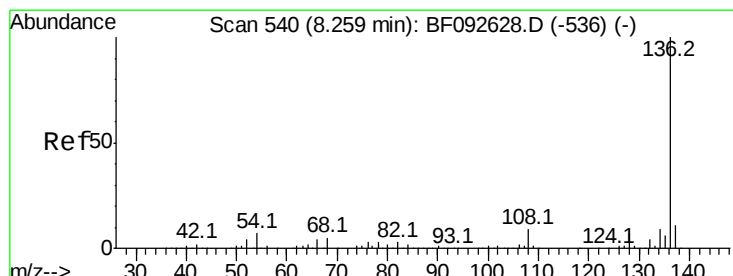
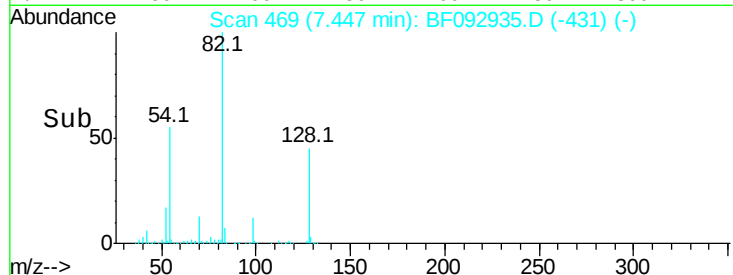
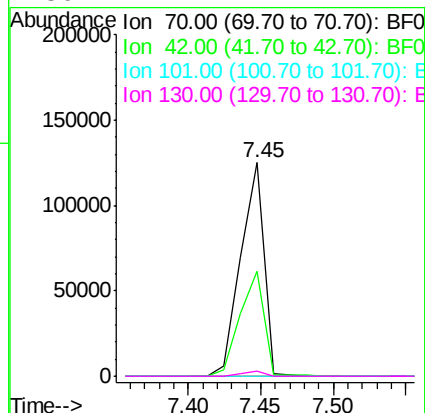
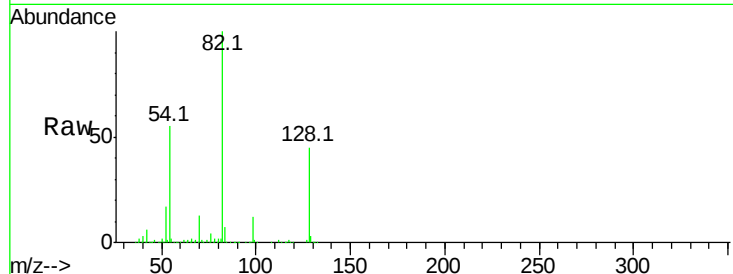




#19
n-Nitroso-di-n-propylamine
Concen: 18.40 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.14 min
Lab File: BF092935.D
Acq: 14 Feb 2017 11:16

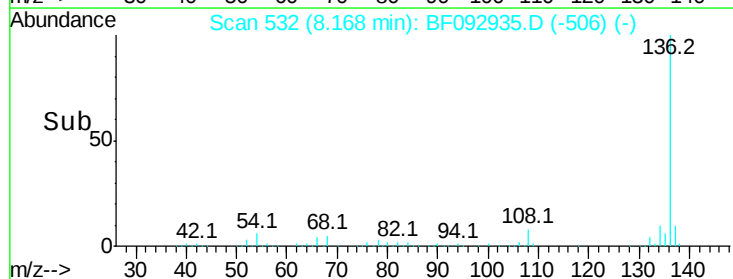
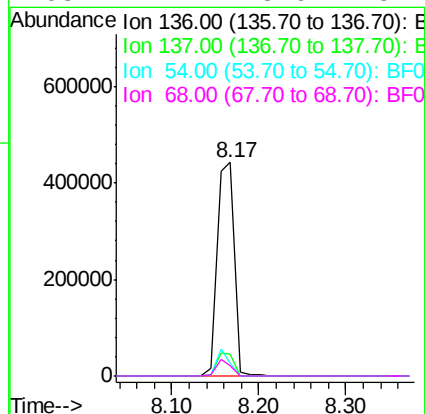
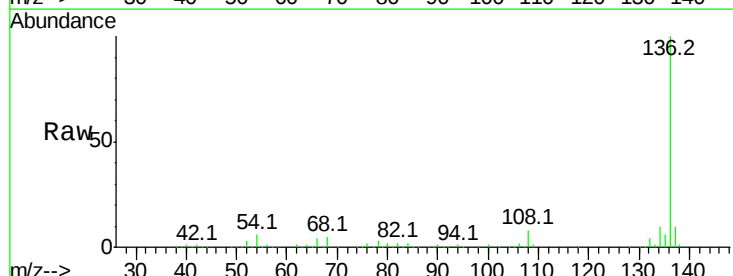
Instrument :
BNA_F
ClientSampleId :

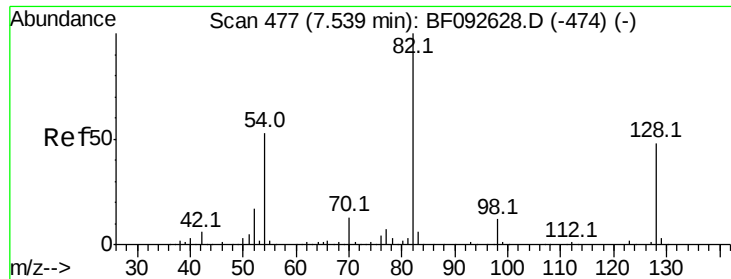
Tot Ion: 70 Resp: 139368
Ion Ratio Lower Upper
70 100
42 49.0 49.4 74.0#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF092935.D
Acq: 14 Feb 2017 11:16

Tgt Ion:136 Resp: 615647
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 6.3 4.5 6.7
68 4.7 3.6 5.4

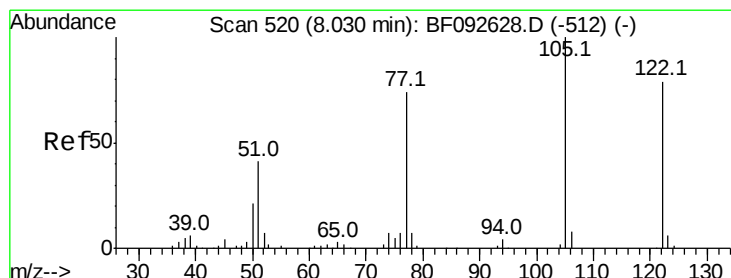
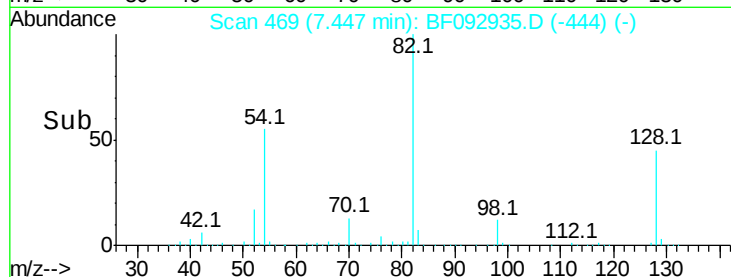
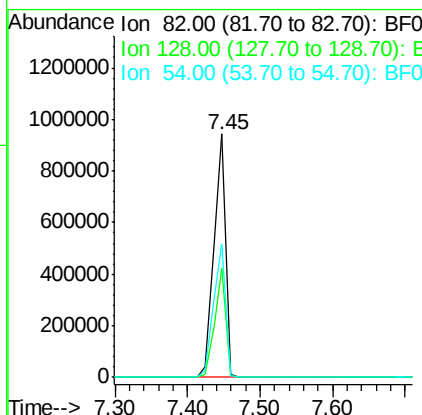
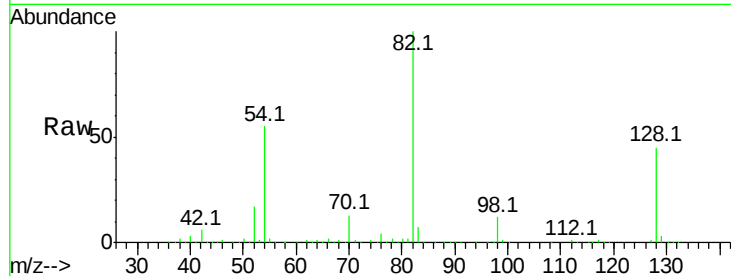




#23
 Nitrobenzene-d5
 Concen: 94.15 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

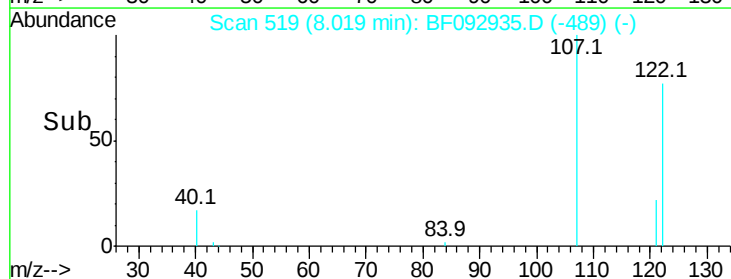
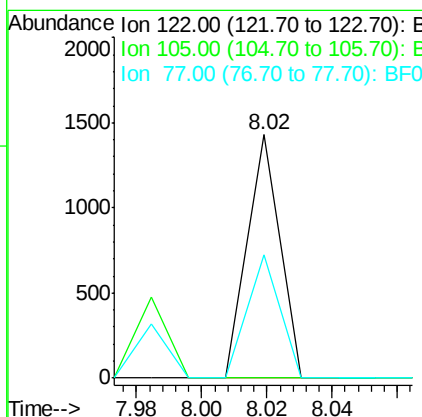
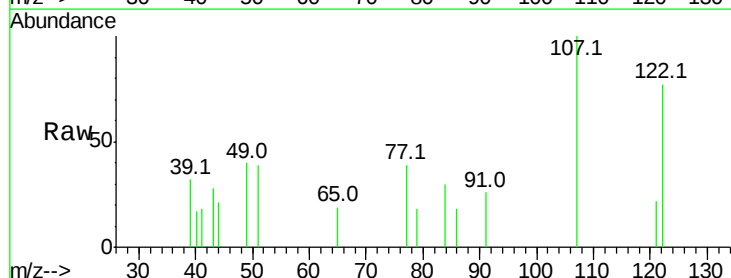
Instrument :
 BNA_F
 ClientSampled :

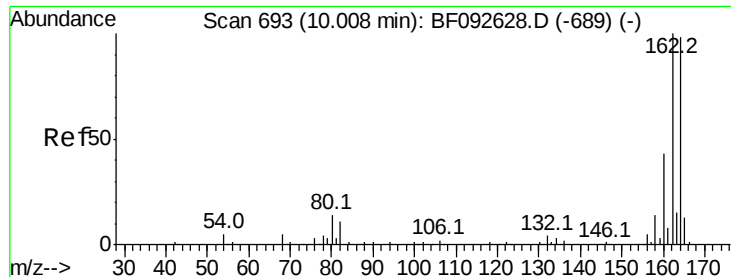
Tot Ion: 82 Resp: 1040863
 Ion Ratio Lower Upper
 82 100
 128 44.9 34.6 52.0
 54 55.0 39.5 59.3



#32
 Benzoic acid
 Concen: 7.32 ng
 RT: 8.02 min Scan# 519
 Delta R.T. 0.05 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

Tgt Ion: 122 Resp: 981
 Ion Ratio Lower Upper
 122 100
 105 0.0 107.2 147.2#
 77 50.6 74.5 114.5#

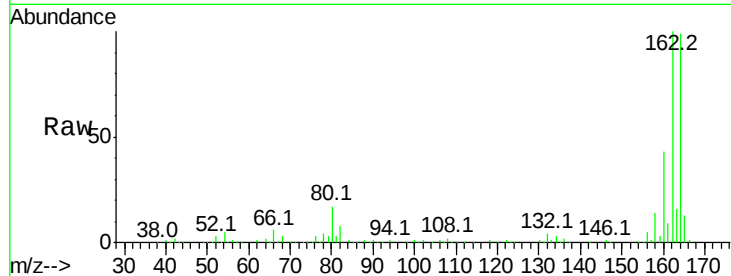




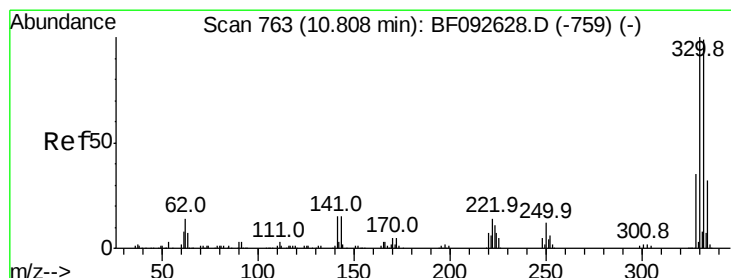
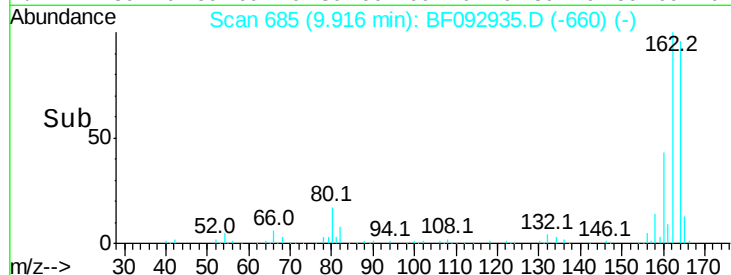
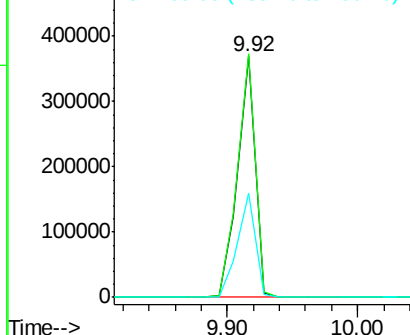
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF092935.D
Acq: 14 Feb 2017 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 346190
Ion Ratio Lower Upper
164 100
162 101.2 80.2 120.2
160 43.5 36.9 55.3

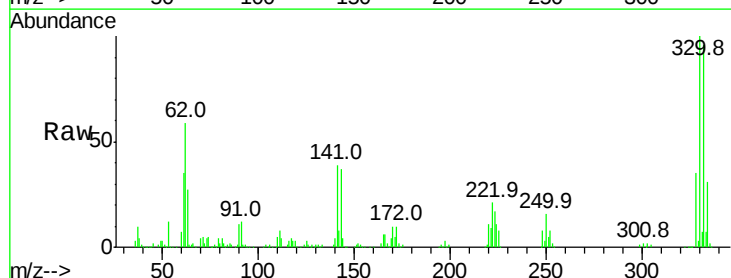


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

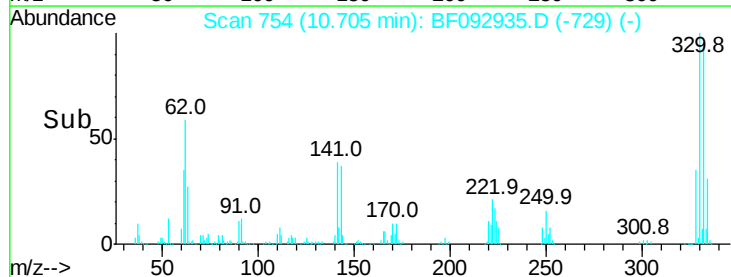
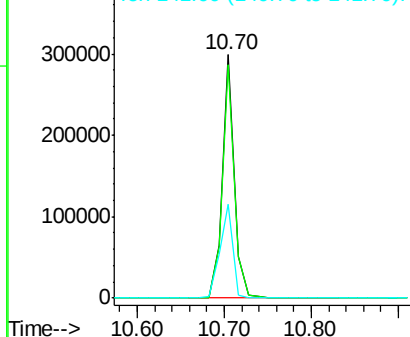


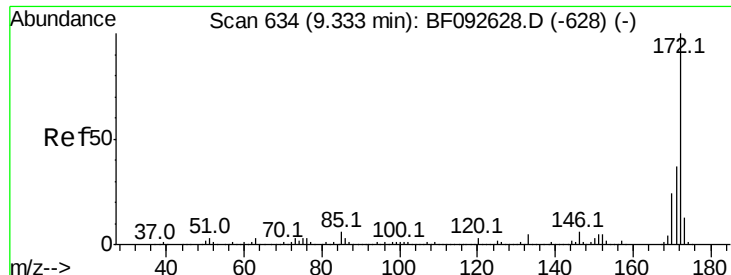
#41
2,4,6-Tribromophenol
Concen: 116.62 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF092935.D
Acq: 14 Feb 2017 11:16

Tgt Ion:330 Resp: 291990
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.2
141 41.9 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



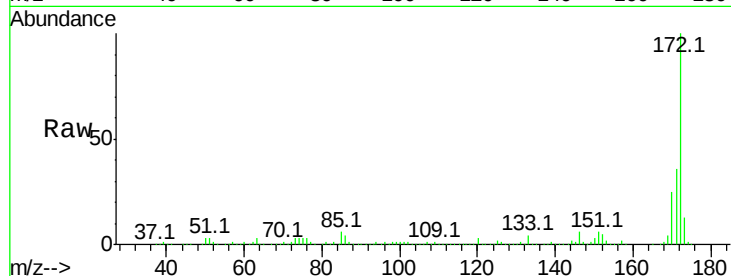


#44
 2-Fluorobiphenyl
 Concen: 91.47 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

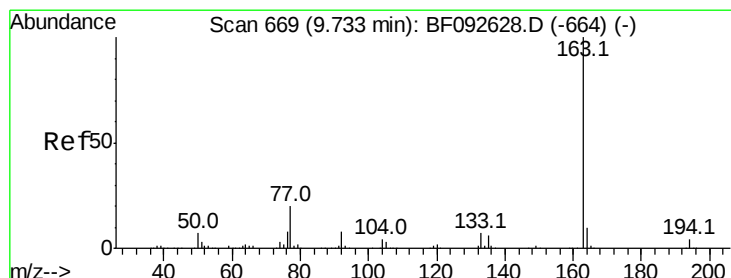
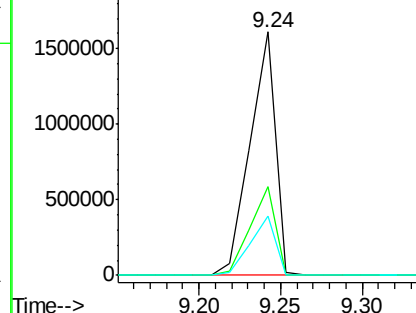
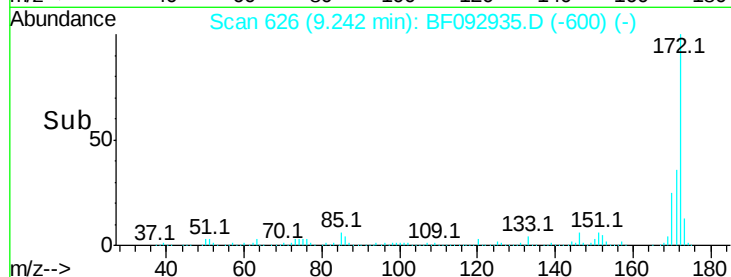
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1747872

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.6	20.2	30.4



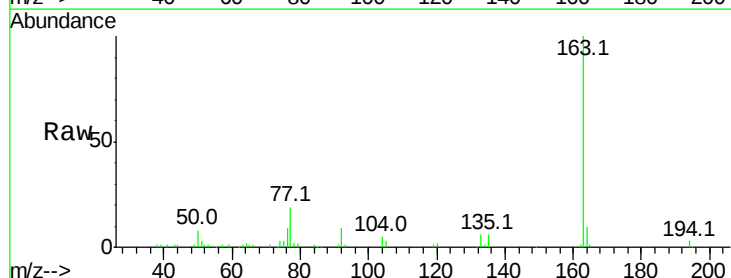
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



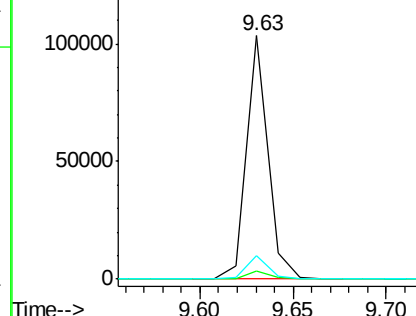
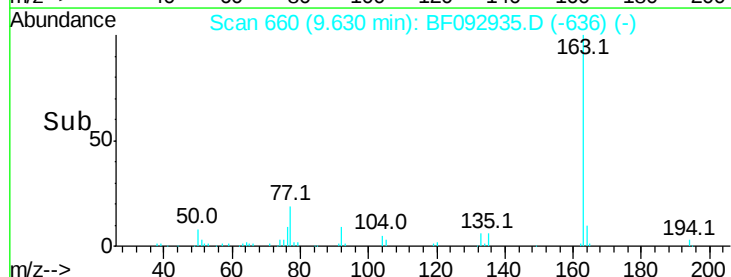
#49
 Dimethylphthalate
 Concen: 3.54 ng
 RT: 9.63 min Scan# 660
 Delta R.T. -0.02 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

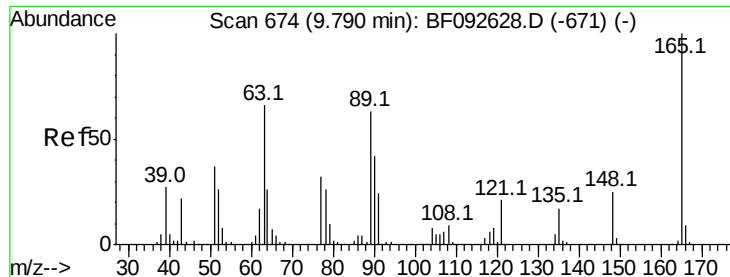
Tgt Ion:163 Resp: 82512

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	9.9	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

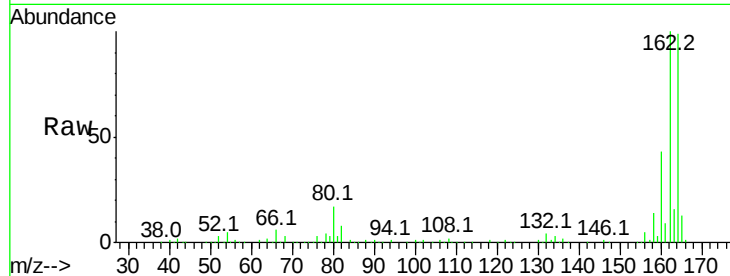




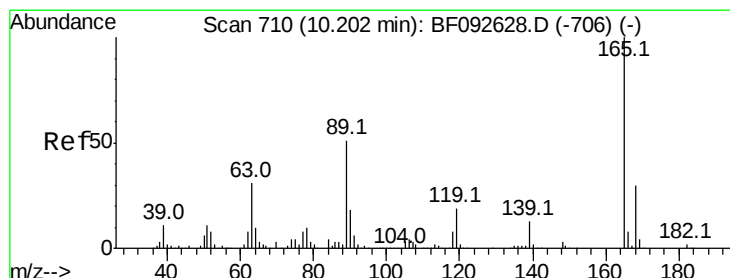
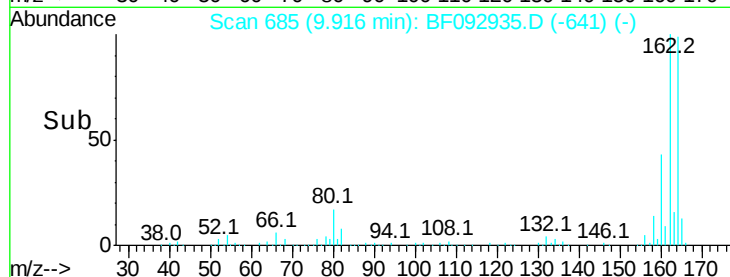
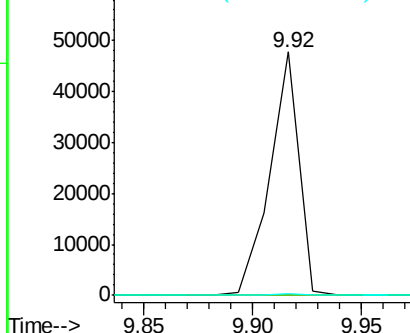
#50
 2,6-Dinitrotoluene
 Concen: 8.89 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 44786
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 0.8 40.2 60.4#



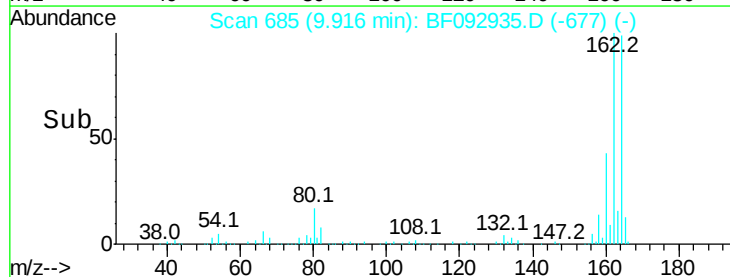
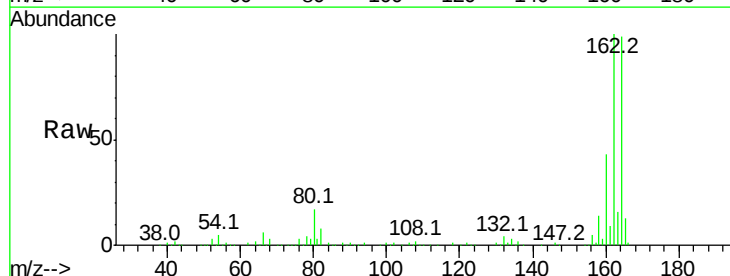
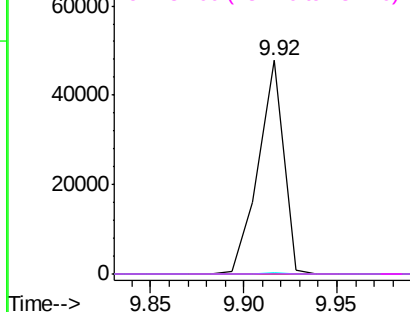
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

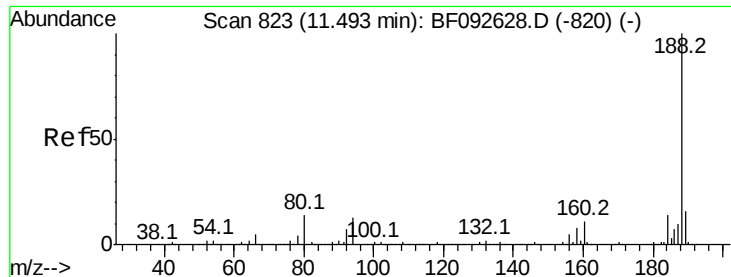


#56
 2,4-Dinitrotoluene
 Concen: 6.68 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.21 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

Tgt Ion:165 Resp: 44788
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.2 60.4#
 89 0.8 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

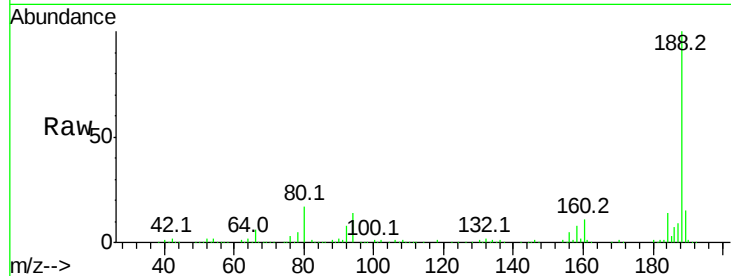




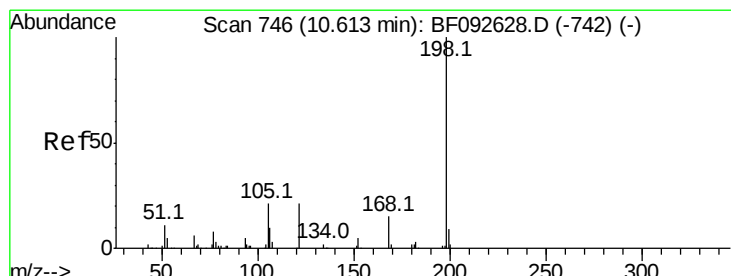
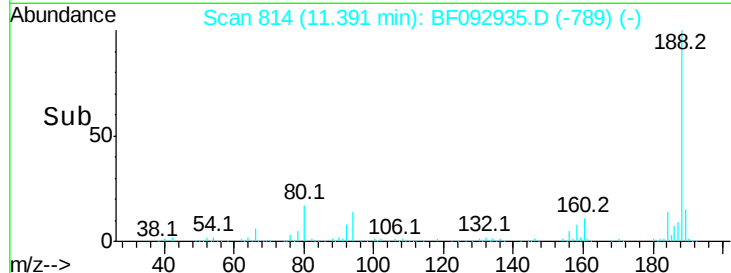
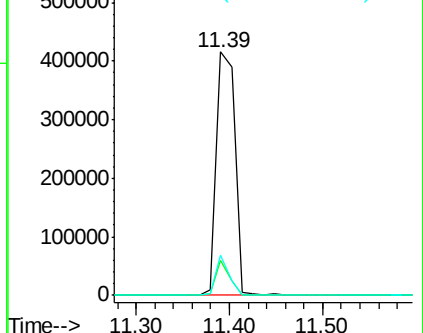
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 567327
 Ion Ratio Lower Upper
 188 100
 94 14.2 10.0 15.0
 80 16.5 11.2 16.8

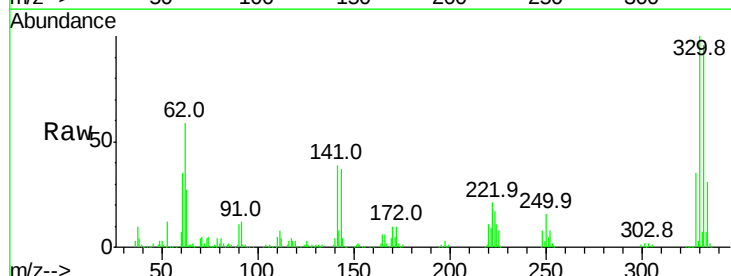


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

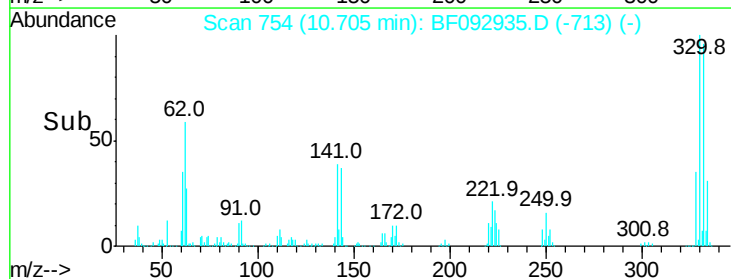
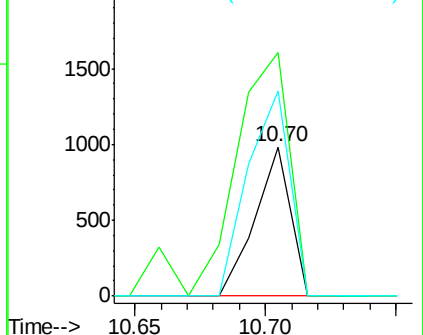


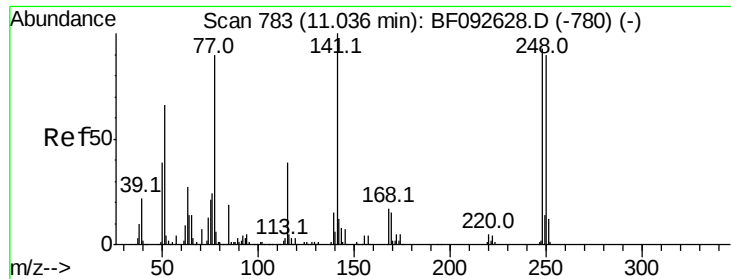
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.93 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.17 min
 Lab File: BF092935.D
 Acq: 14 Feb 2017 11:16

Tgt Ion:198 Resp: 937
 Ion Ratio Lower Upper
 198 100
 51 162.9 6.7 46.7#
 105 137.5 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: 3.71 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

Instrument :

BNA_F

ClientSampleId :

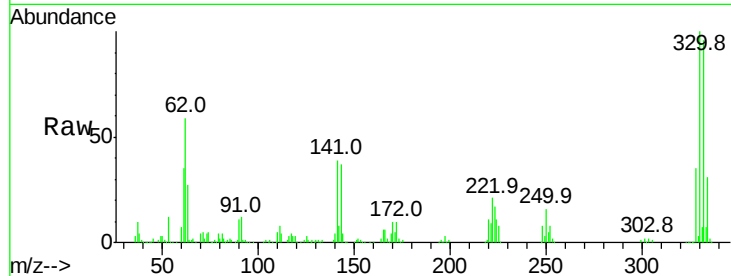
Tot Ion:248 Resp: 21996

Ion Ratio Lower Upper

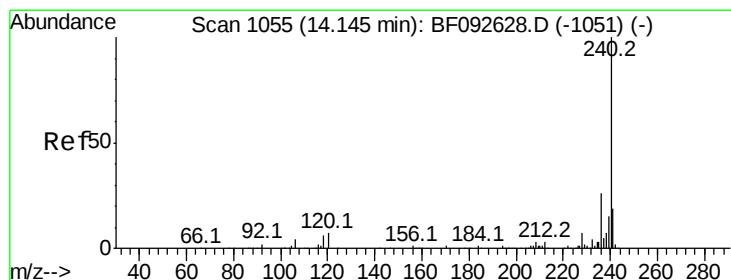
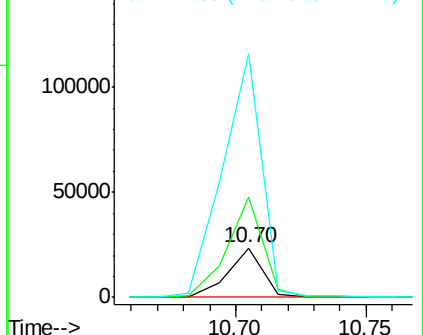
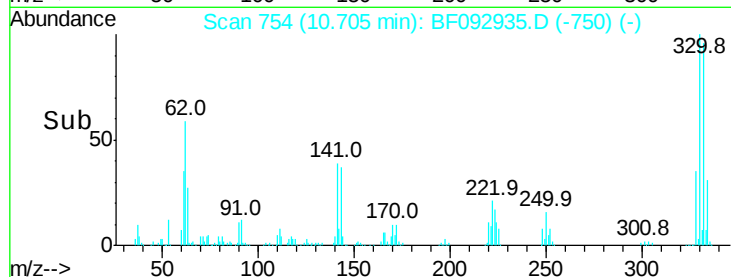
248 100

250 202.8 76.9 115.3#

141 492.6 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: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

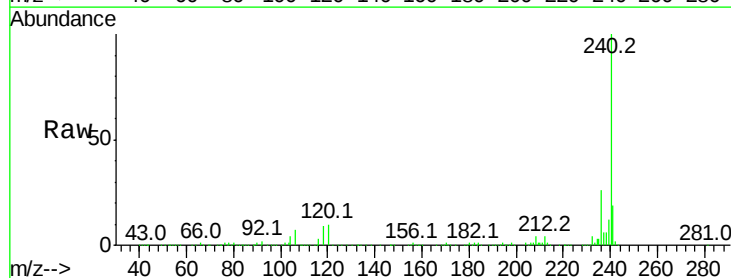
Tgt Ion:240 Resp: 470167

Ion Ratio Lower Upper

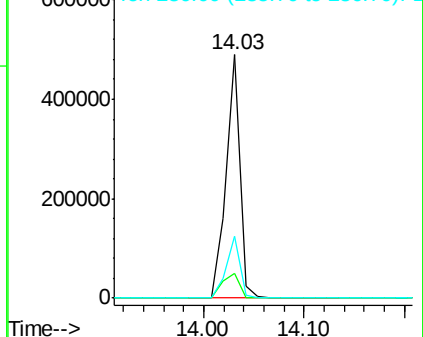
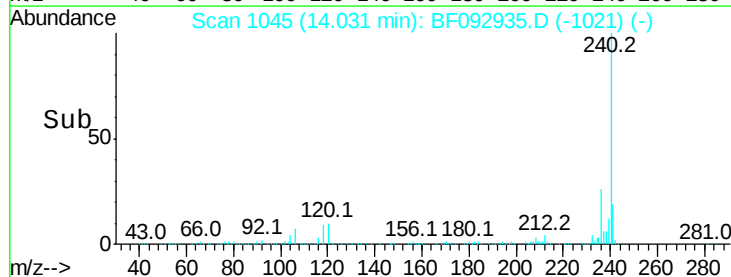
240 100

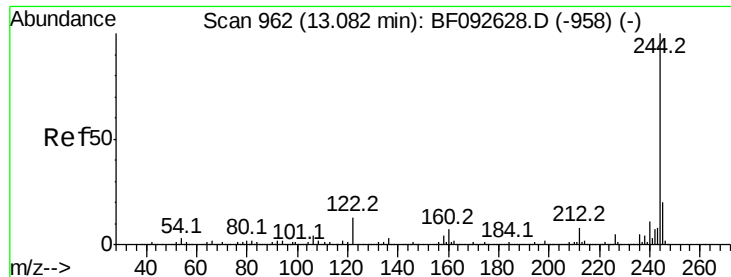
120 10.4 12.9 19.3#

236 25.6 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: 66.33 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

Instrument :

BNA_F

ClientSampleId :

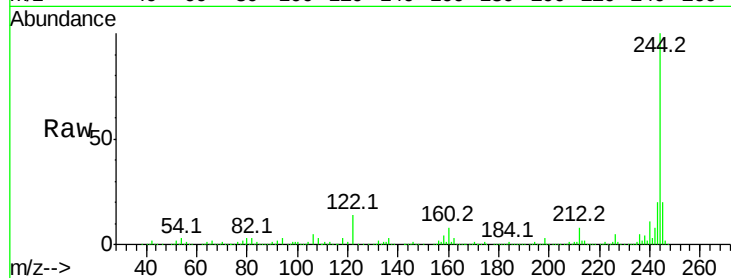
Tot Ion:244 Resp: 1327264

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

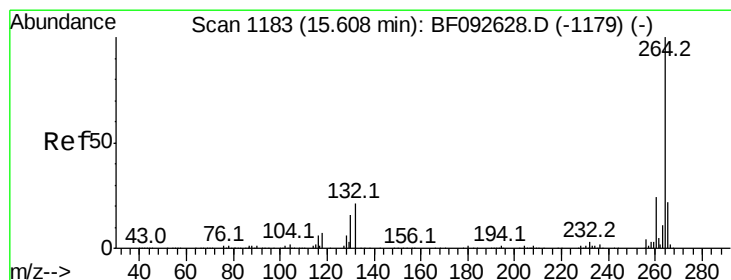
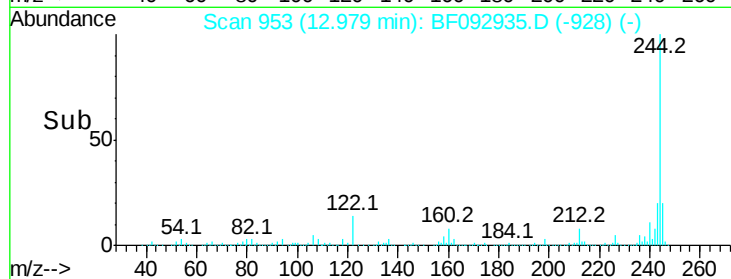
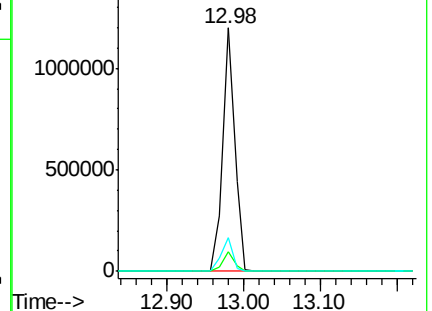
122 14.0 11.4 17.2



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: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF092935.D

Acq: 14 Feb 2017 11:16

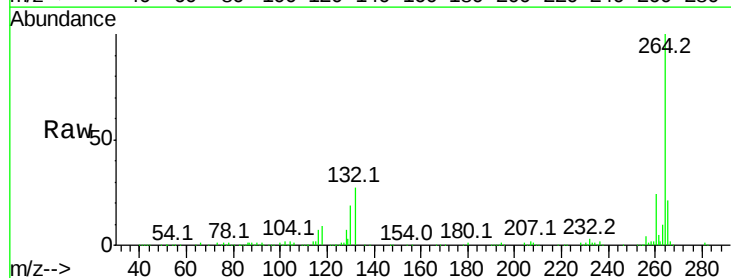
Tgt Ion:264 Resp: 330701

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.4 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

