

Data File : BF093135.D
Acq On : 24 Feb 2017 7:25
Operator : SJ/MA
Sample : I1948-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Quant Time: Feb 24 07:56:44 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	161158	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	565963	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	232304	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	353284	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	315152	20.00	ng	-0.02
86) Perylene-d12	15.43	264	257429	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1130692	120.37	ng	0.00
7) Phenol-d6	6.49	99	1443998	119.47	ng	0.00
23) Nitrobenzene-d5	7.41	82	979876	96.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	242735	144.47	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1608340	125.43	ng	-0.01
78) Terphenyl-d14	12.94	244	993028	74.04	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	130735	16.99	ng	# 80
25) Isophorone	7.41	82	964245	50.91	ng	# 65
50) 2,6-Dinitrotoluene	9.88	165	29694	8.79	ng	# 31
56) 2,4-Dinitrotoluene	9.88	165	29695	6.60	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	647	2.95	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	18157	4.92	ng	# 1
76) Benzydine	12.69	184	52146	3.88	ng	97

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

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ClientSampleId :

TP23-24-COMP17

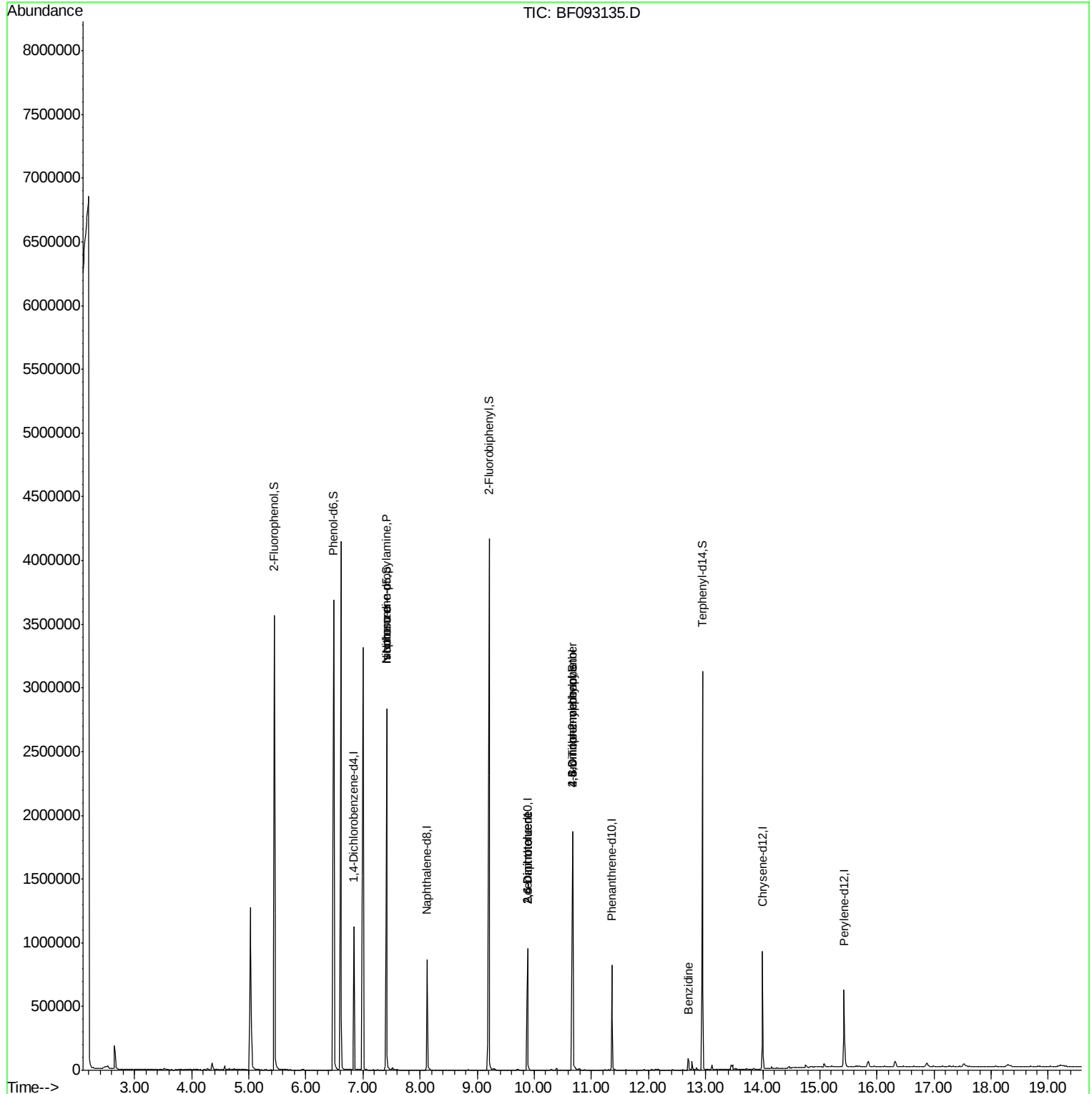
Quant Time: Feb 24 07:56:44 2017

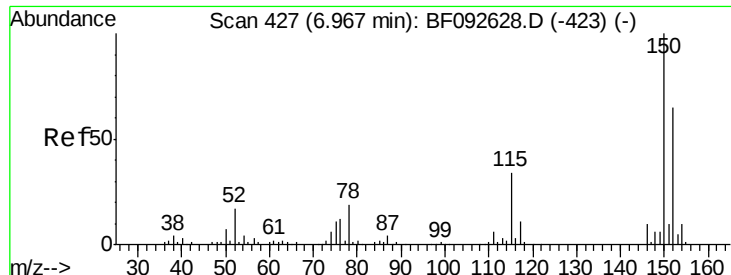
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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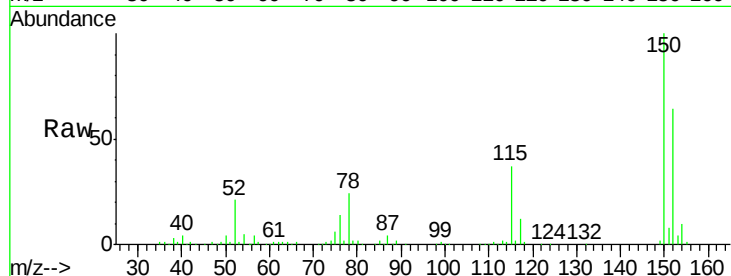




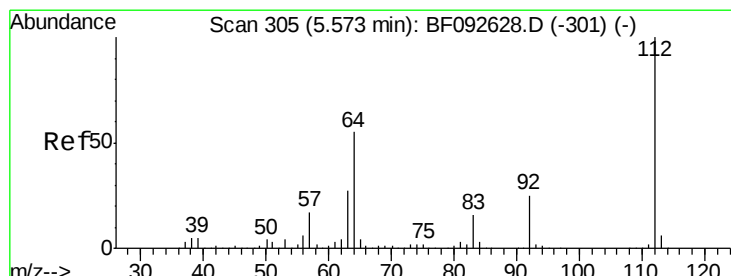
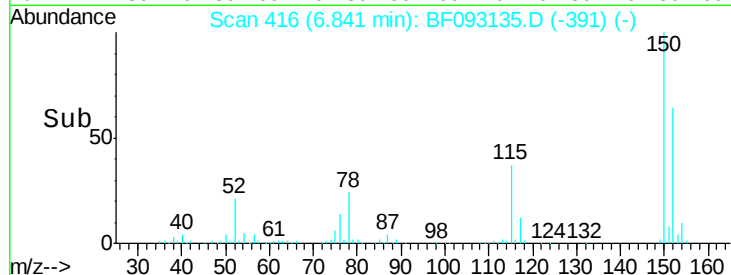
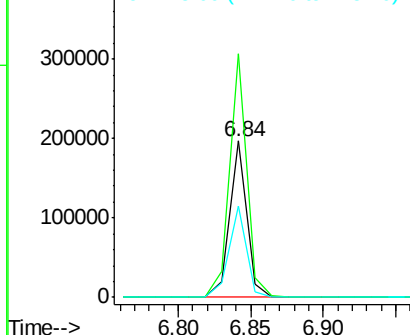
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: BF093135.D
 Acq: 24 Feb 2017 7:25

Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

Tgt Ion:152 Resp: 161158
 Ion Ratio Lower Upper
 152 100
 150 155.7 124.9 187.3
 115 58.1 46.0 69.0

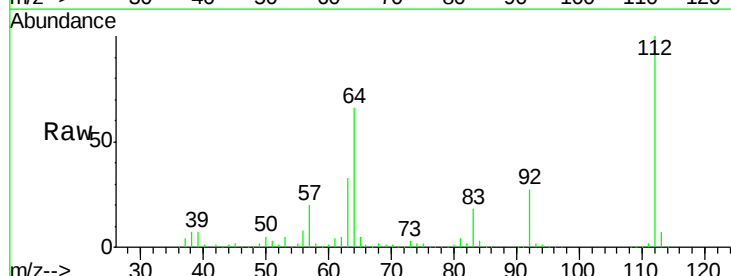


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

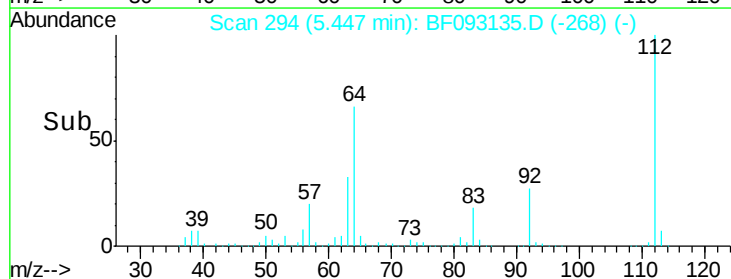
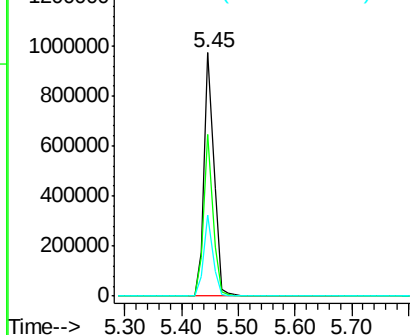


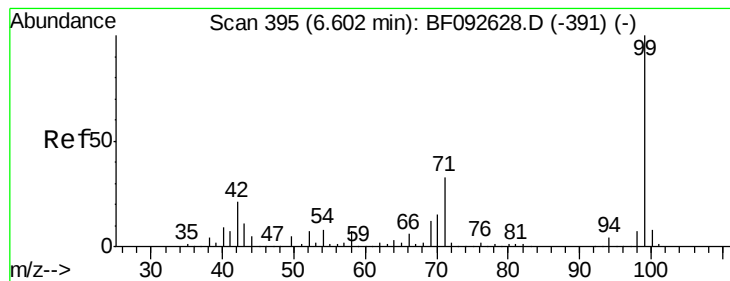
#5
 2-Fluorophenol
 Concen: 120.37 ng
 RT: 5.45 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: BF093135.D
 Acq: 24 Feb 2017 7:25

Tgt Ion:112 Resp: 1130692
 Ion Ratio Lower Upper
 112 100
 64 66.3 46.1 69.1
 63 33.4 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: 119.47 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

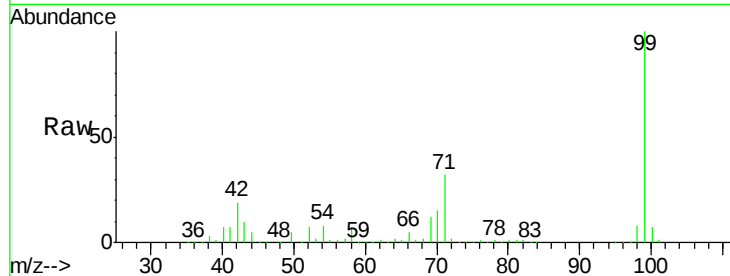
Tgt Ion: 99 Resp: 1443998

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

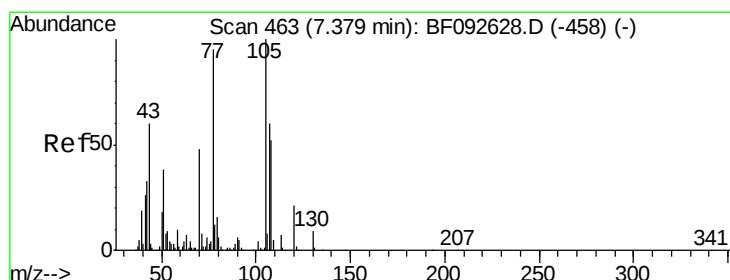
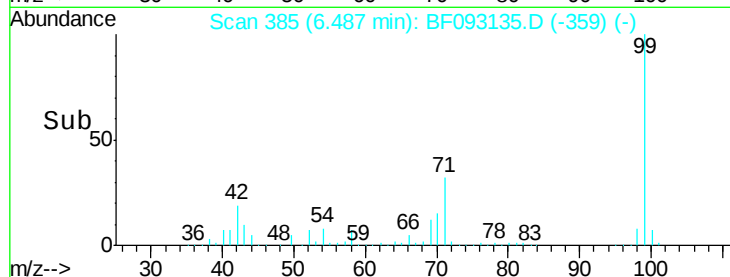
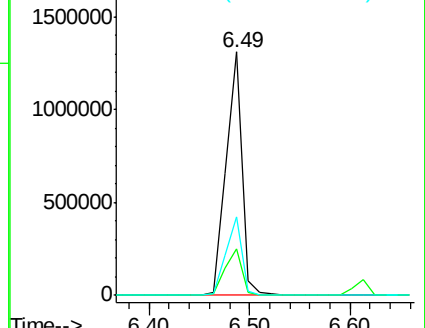
71 32.3 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.99 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

Tgt Ion: 70 Resp: 130735

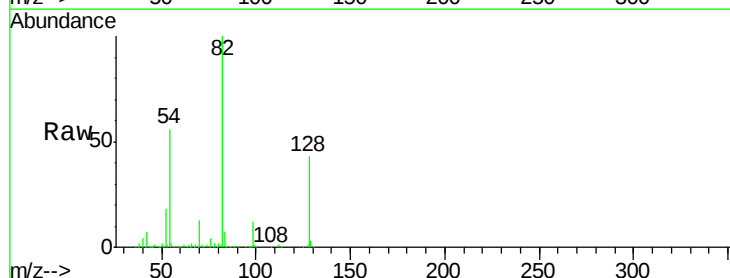
Ion Ratio Lower Upper

70 100

42 50.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

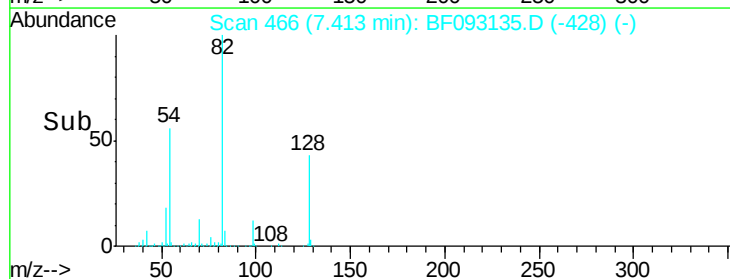
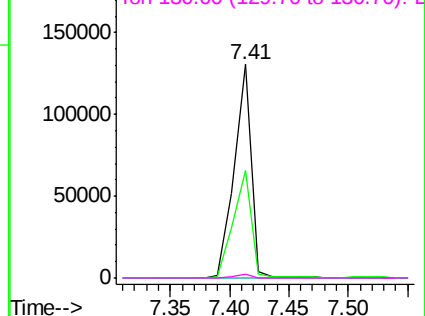


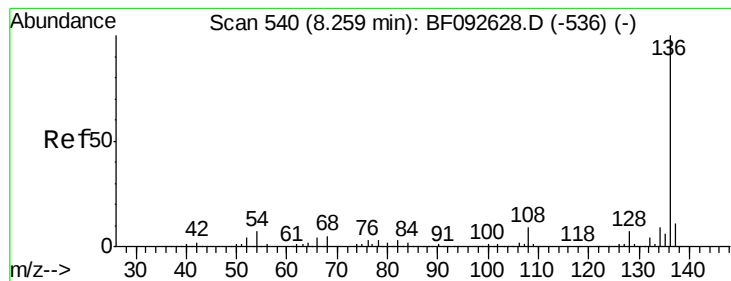
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

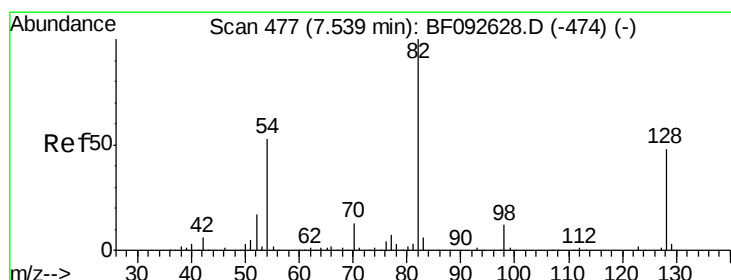
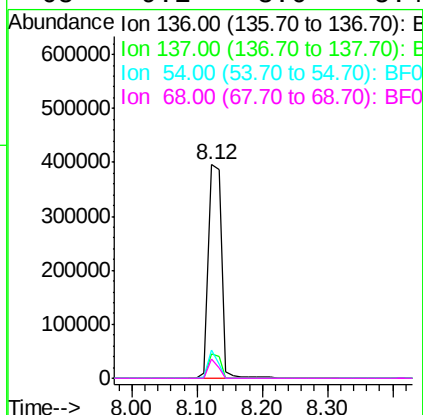
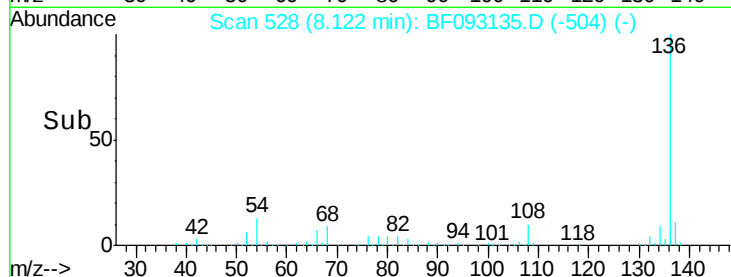
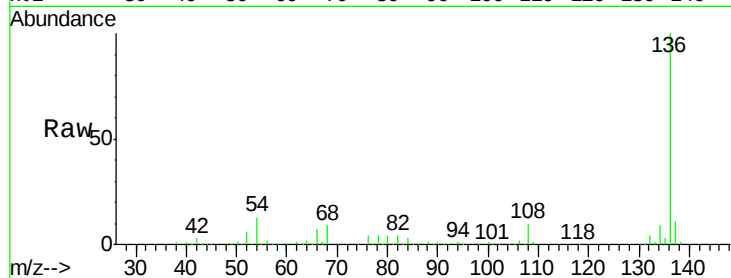




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093135.D
Acq: 24 Feb 2017 7:25

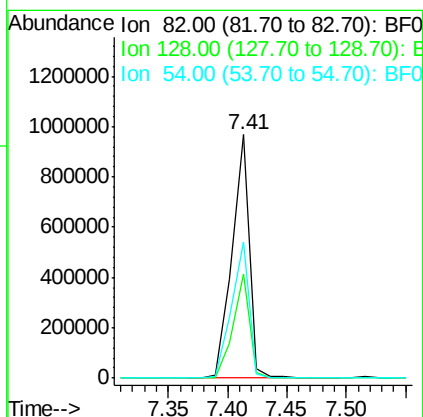
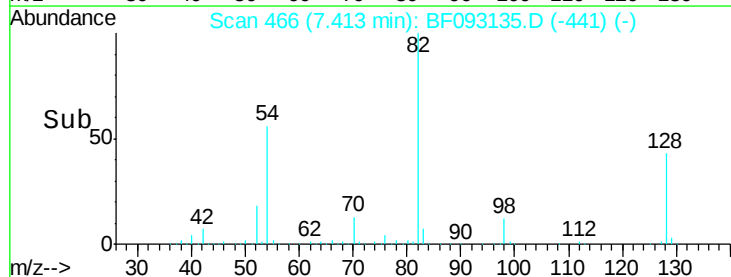
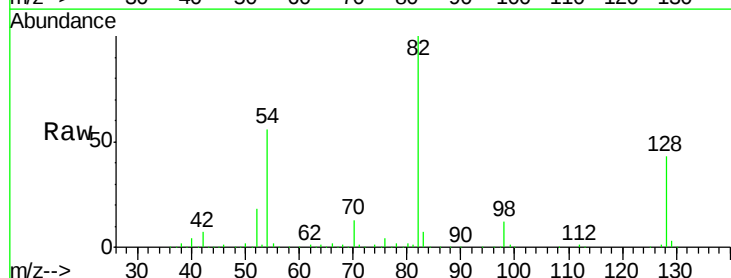
Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

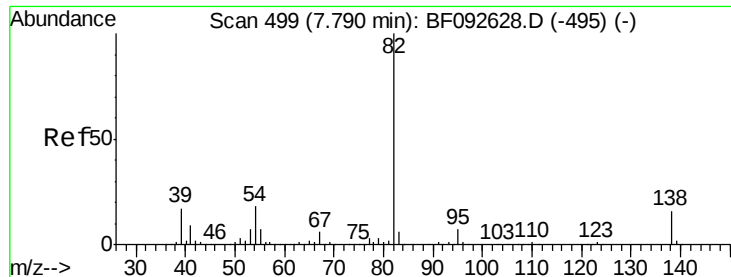
Tgt Ion:	136	Resp:	565963
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	13.3	4.5	6.7#
68	9.1	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 96.41 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093135.D
Acq: 24 Feb 2017 7:25

Tgt Ion:	82	Resp:	979876
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.6	52.0
54	56.1	39.5	59.3





#25

Isophorone

Concen: 50.91 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

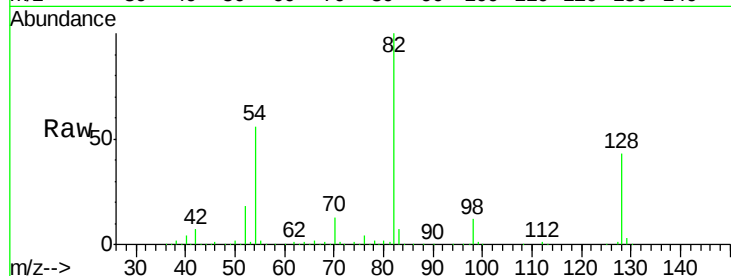
Tgt Ion: 82 Resp: 964245

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

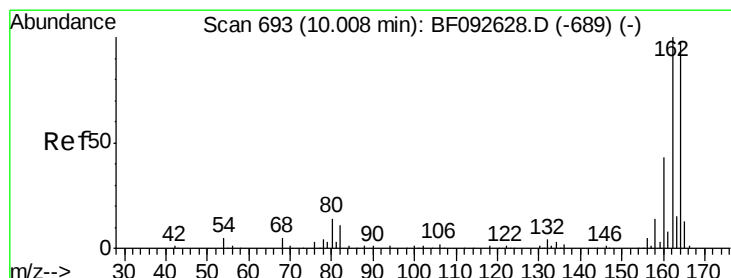
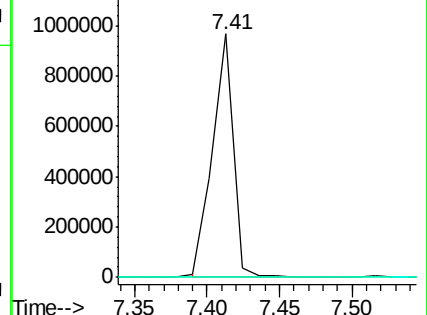
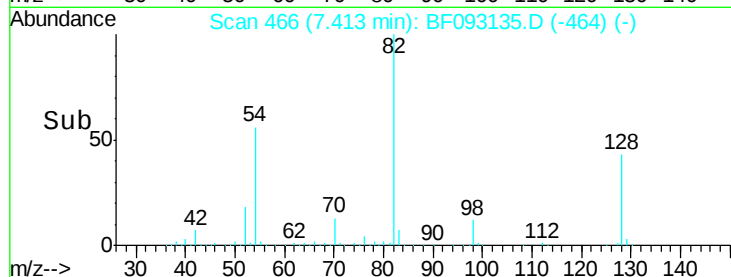
138 0.0 14.6 22.0#



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: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

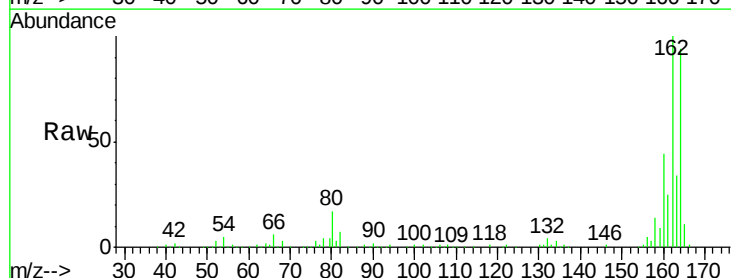
Tgt Ion: 164 Resp: 232304

Ion Ratio Lower Upper

164 100

162 106.7 80.2 120.2

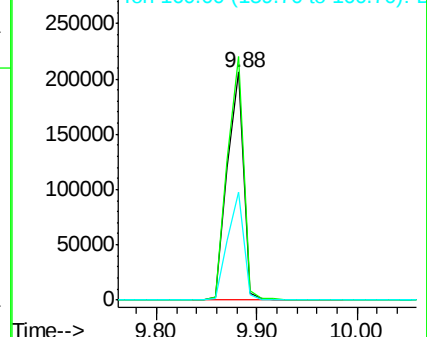
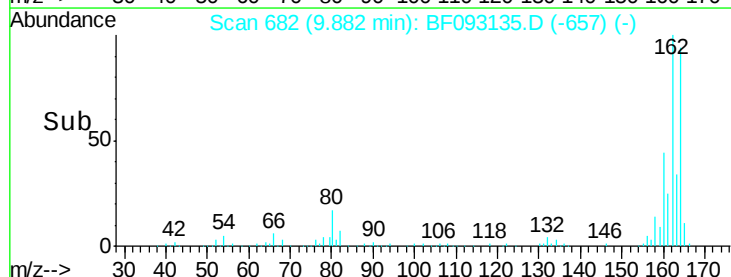
160 47.3 36.9 55.3

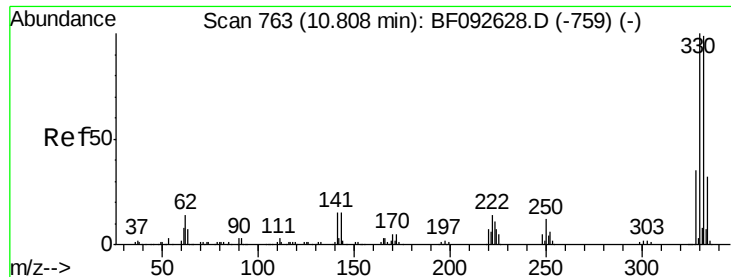


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

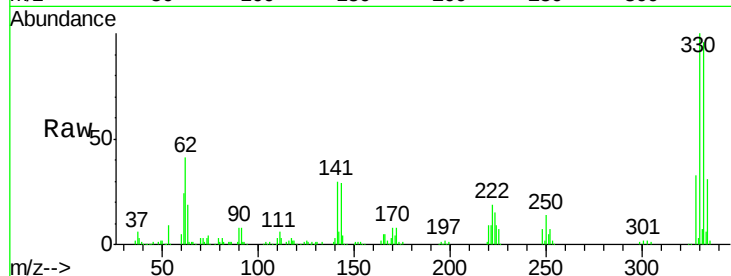




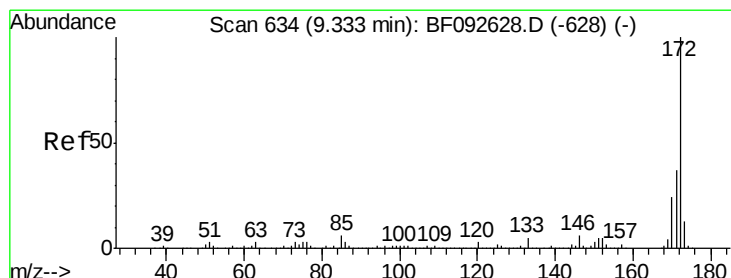
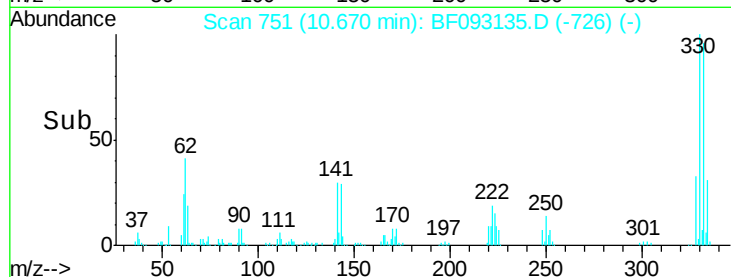
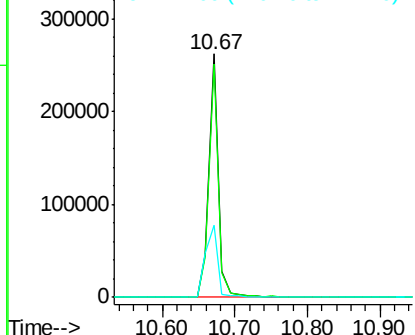
#41
 2,4,6-Tribromophenol
 Concen: 144.47 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093135.D
 Acq: 24 Feb 2017 7:25

Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

Tgt Ion:330 Resp: 242735
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.4 116.2
 141 38.2 34.1 51.1

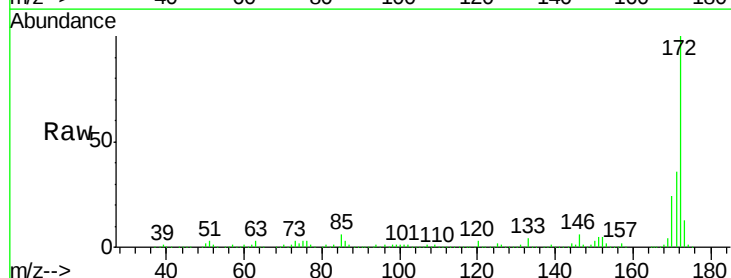


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

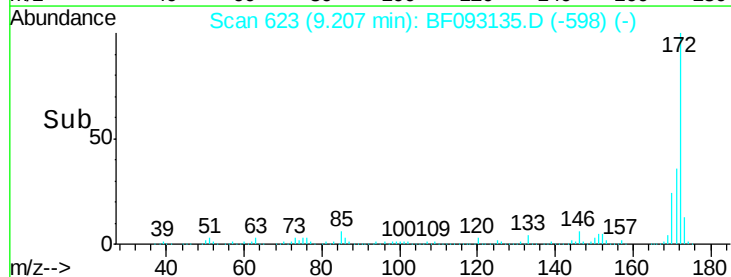
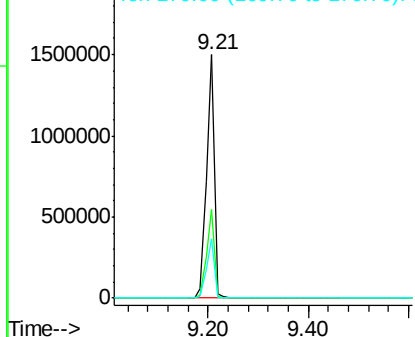


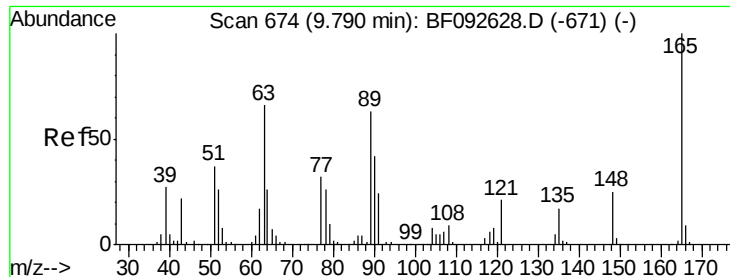
#44
 2-Fluorobiphenyl
 Concen: 125.43 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093135.D
 Acq: 24 Feb 2017 7:25

Tgt Ion:172 Resp: 1608340
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.2 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

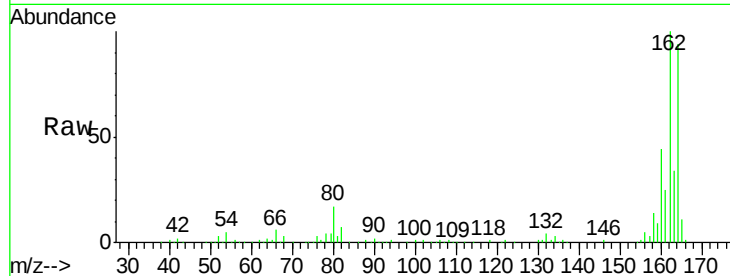




#50
 2,6-Dinitrotoluene
 Concen: 8.79 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093135.D
 Acq: 24 Feb 2017 7:25

Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

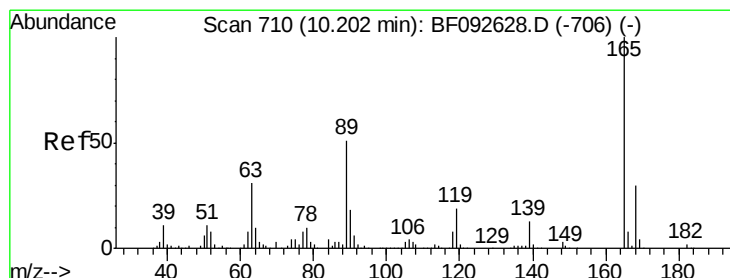
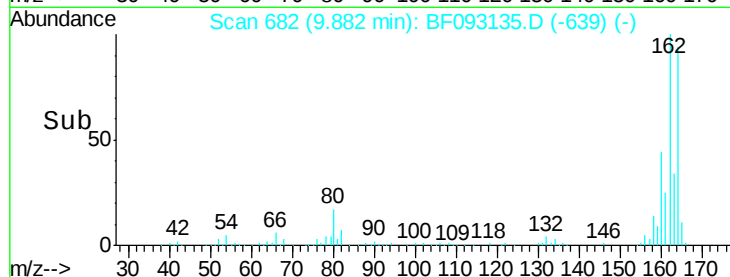
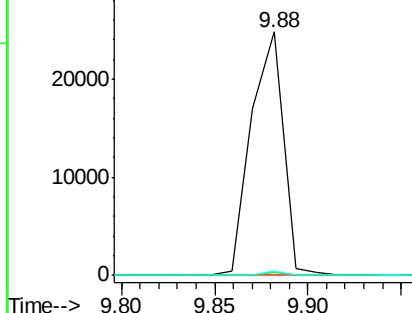
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.9	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

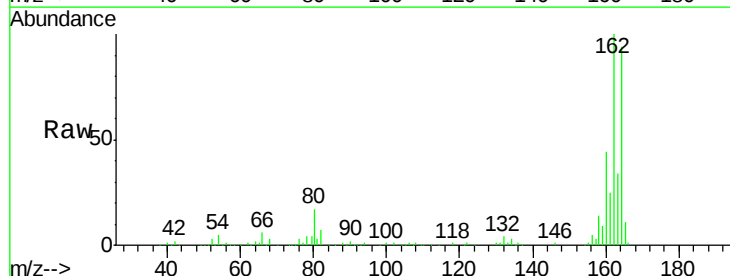
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093135.D
 Acq: 24 Feb 2017 7:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	1.9	62.5	93.7#
182	0.0	1.8	2.8#

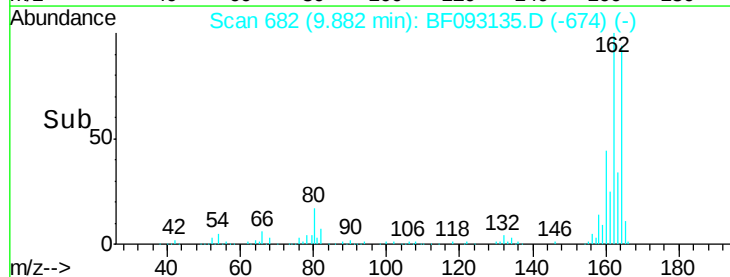
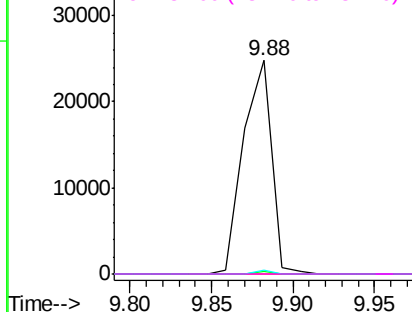


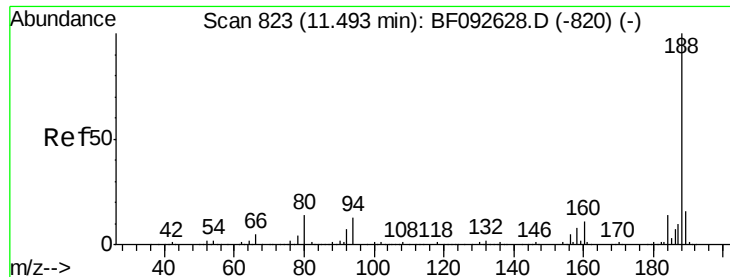
Abundance Ion 165.00 (164.70 to 165.70): E

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

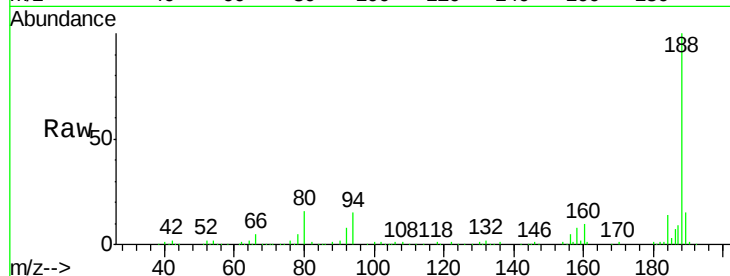




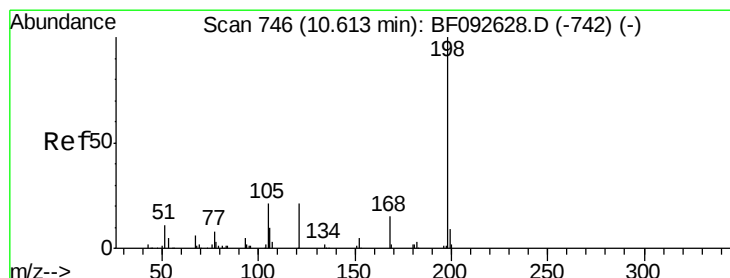
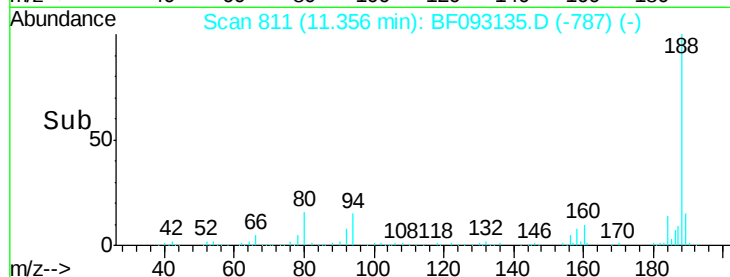
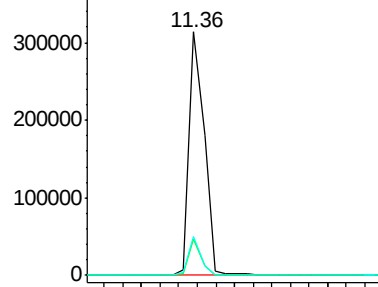
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093135.D
Acq: 24 Feb 2017 7:25

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Tgt Ion:188 Resp: 353284
Ion Ratio Lower Upper
188 100
94 15.0 10.0 15.0
80 16.0 11.2 16.8

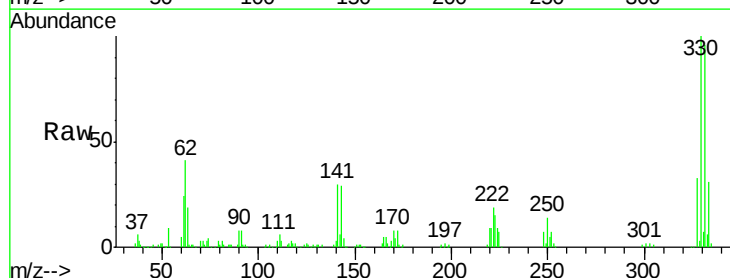


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

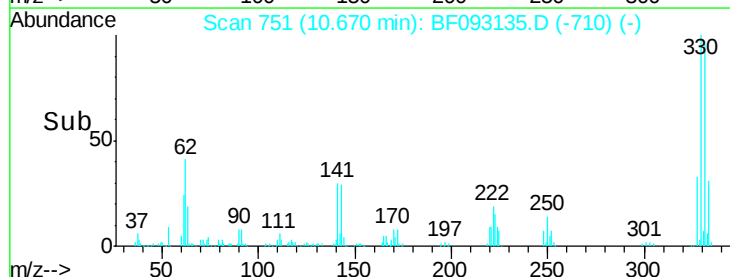
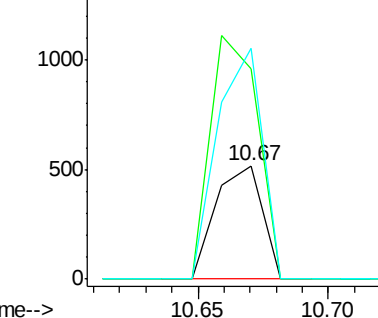


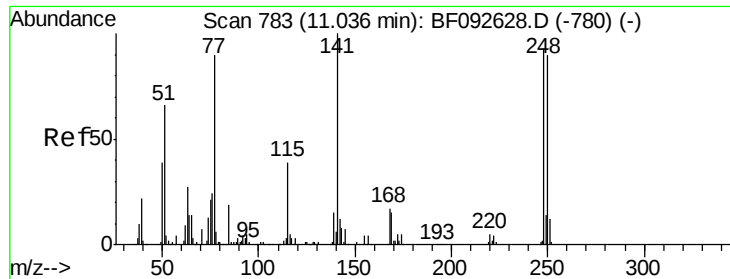
#64
4,6-Dinitro-2-methylphenol
Concen: 2.95 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.17 min
Lab File: BF093135.D
Acq: 24 Feb 2017 7:25

Tgt Ion:198 Resp: 647
Ion Ratio Lower Upper
198 100
51 186.4 6.7 46.7#
105 204.1 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: 4.92 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

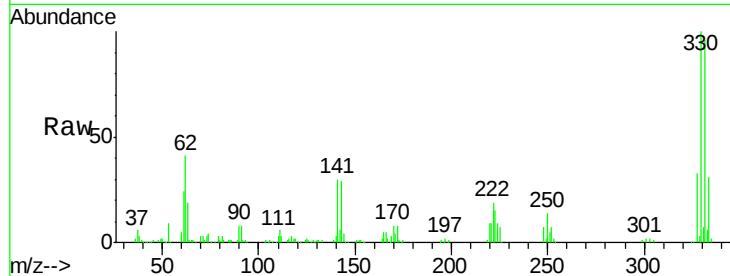
Tgt Ion:248 Resp: 18157

Ion Ratio Lower Upper

248 100

250 193.9 76.9 115.3#

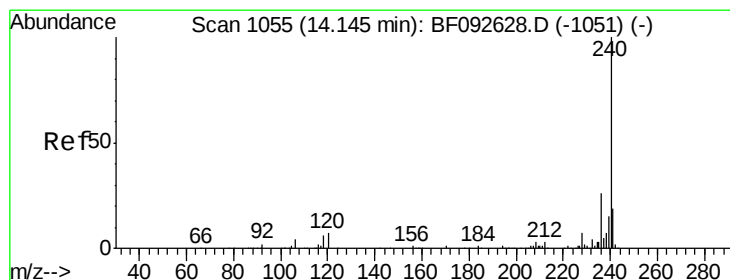
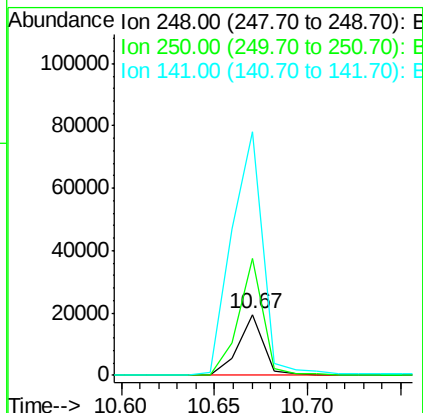
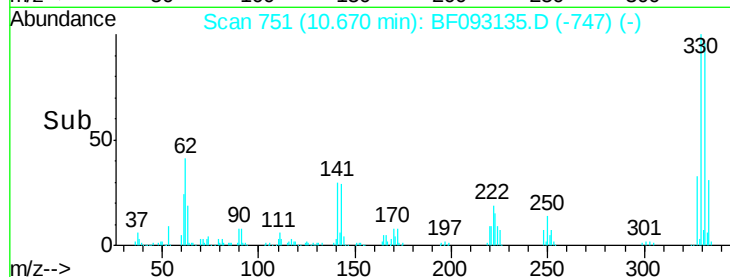
141 401.9 68.2 102.4#



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: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

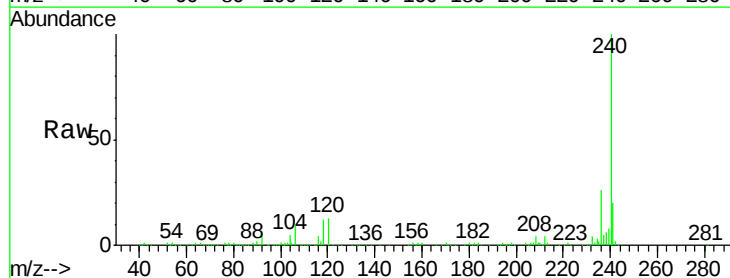
Tgt Ion:240 Resp: 315152

Ion Ratio Lower Upper

240 100

120 12.9 12.9 19.3

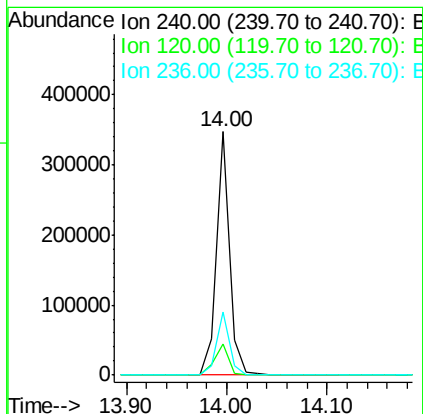
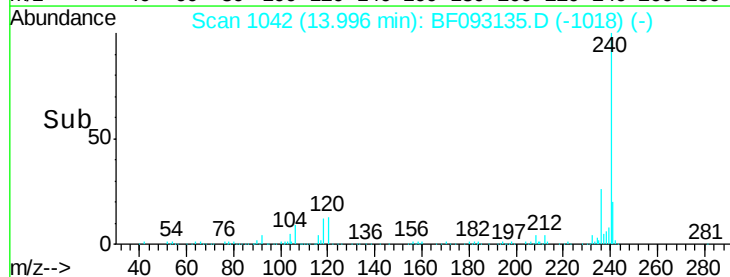
236 25.8 20.9 31.3

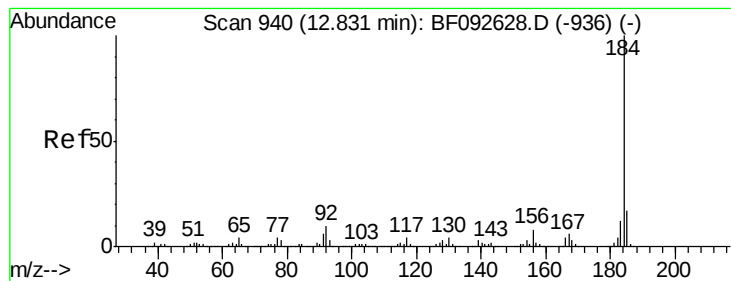


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.88 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

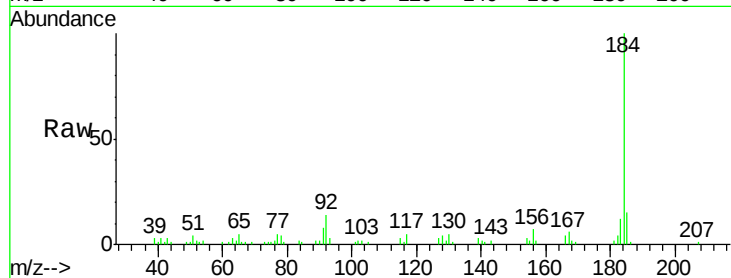
Tgt Ion:184 Resp: 52146

Ion Ratio Lower Upper

184 100

185 14.7 13.4 20.0

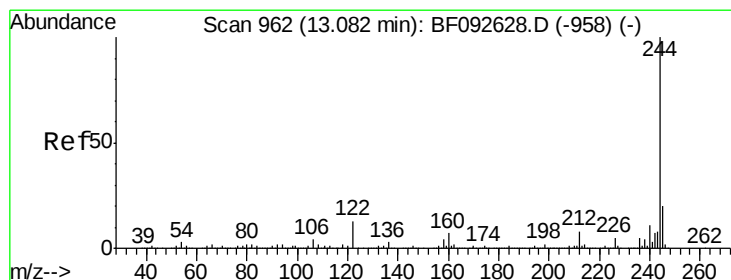
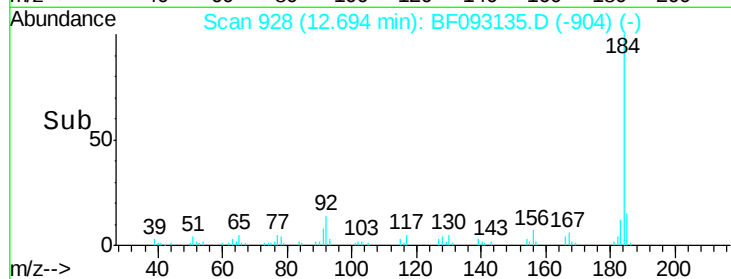
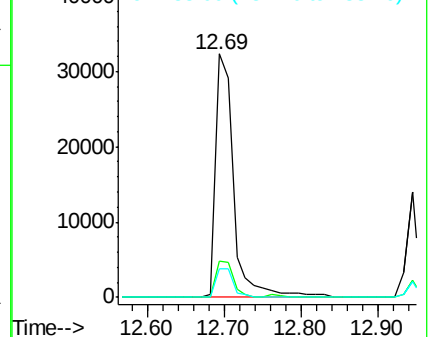
183 11.8 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 74.04 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093135.D

Acq: 24 Feb 2017 7:25

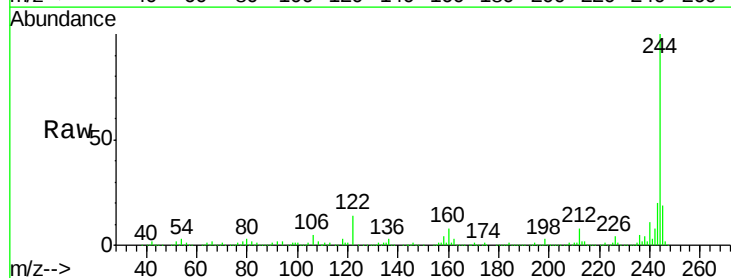
Tgt Ion:244 Resp: 993028

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

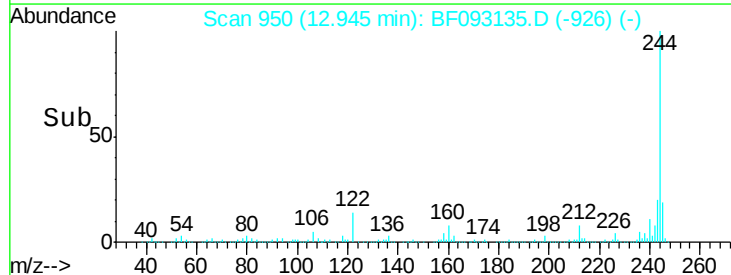
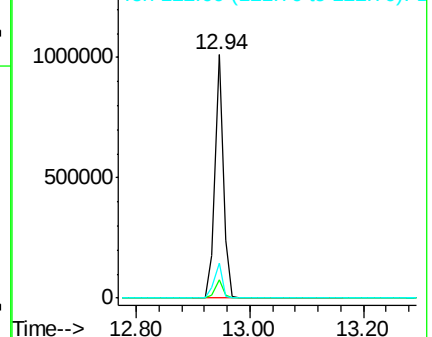
122 14.3 11.4 17.2

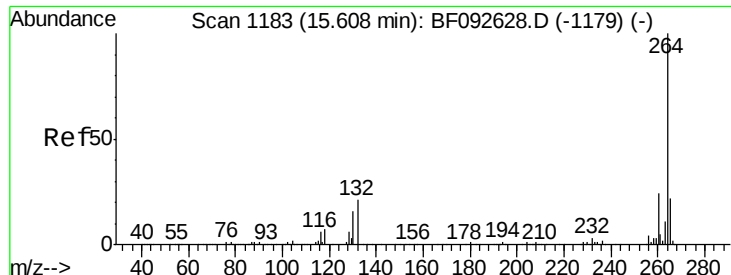


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

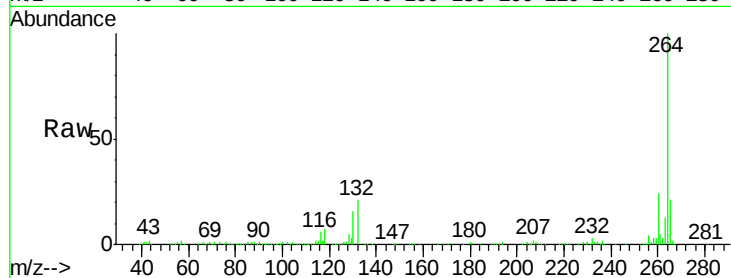




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093135.D
Acq: 24 Feb 2017 7:25

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Tgt Ion: 264 Resp: 257429
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.1 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

