

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122916\
 Data File : BF092017.D
 Acq On : 29 Dec 2016 11:33
 Operator : UM/SJ
 Sample : PB95654BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95654BL

Quant Time: Dec 29 12:30:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

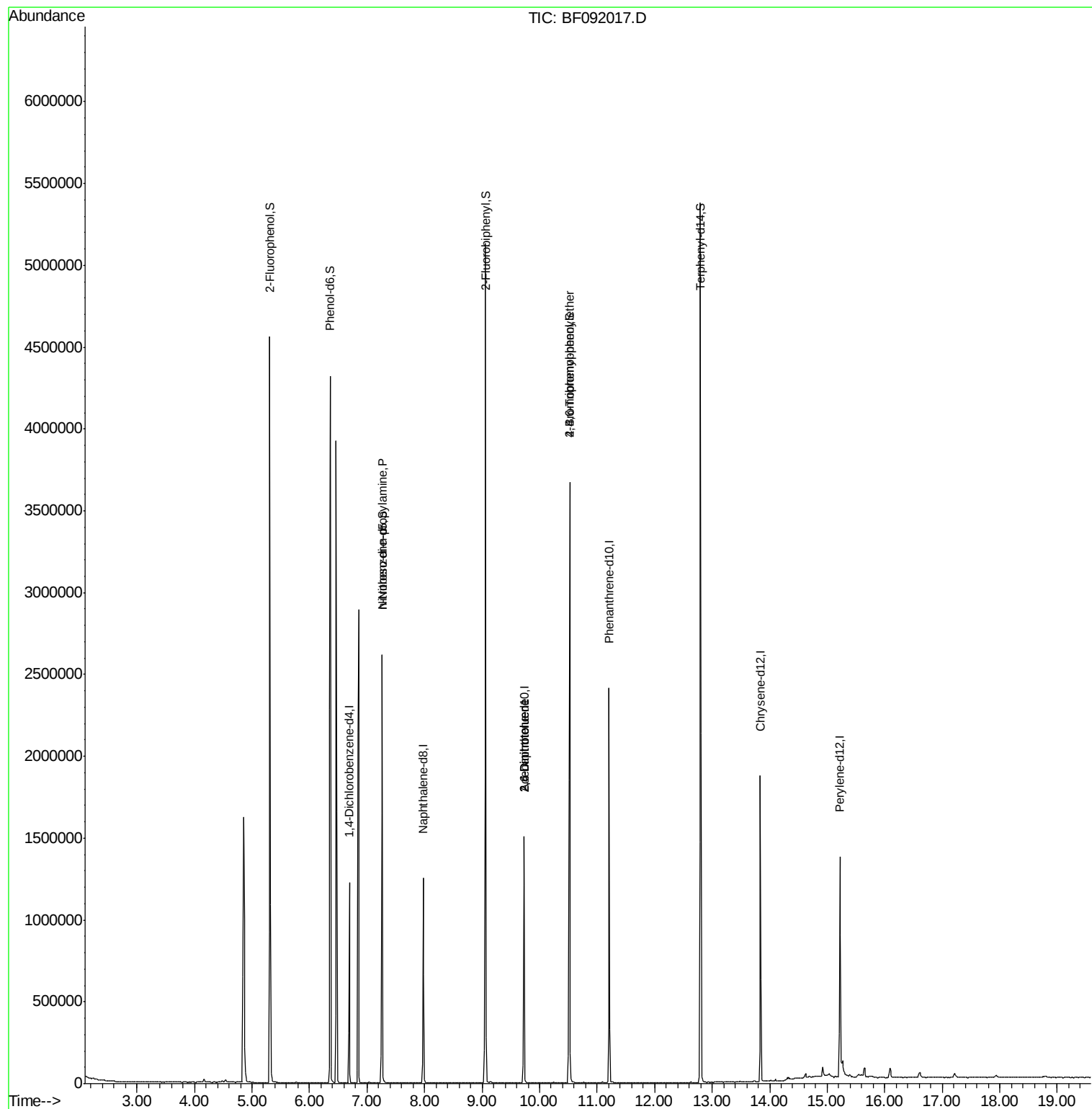
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	184358	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	718107	20.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	474150	20.00	ng	-0.02
63) Phenanthrene-d10	11.21	188	843908	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	690877	20.00	ng	-0.03
86) Perylene-d12	15.22	264	650742	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1308047	118.47	ng	-0.01
7) Phenol-d6	6.36	99	1627759	120.75	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1101148	85.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	479155	122.11	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1710616	71.94	ng	-0.02
78) Terphenyl-d14	12.80	244	2072387	72.75	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	145705	16.25	ng	# 72
50) 2,6-Dinitrotoluene	9.73	165	61983	9.34	ng	# 30
56) 2,4-Dinitrotoluene	9.73	165	61983	7.44	ng	# 19
66) 4-Bromophenyl-phenylether	10.52	248	31990	3.64	ng	# 1
71) Anthracene	11.21	178	274	Below Cal	#	1
76) Benzidine	12.56	184	1385	Below Cal	#	65

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

PB95654BL

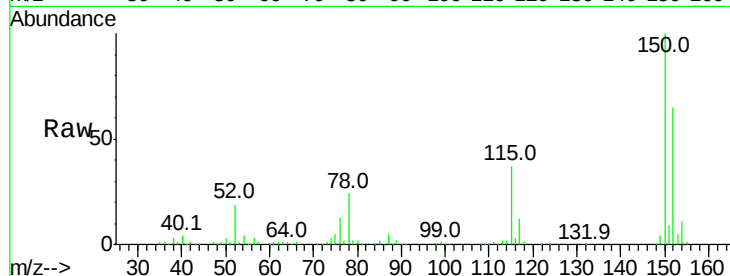
Tot Ion:152 Resp: 184358

Ion Ratio Lower Upper

152 100

150 153.7 124.9 187.3

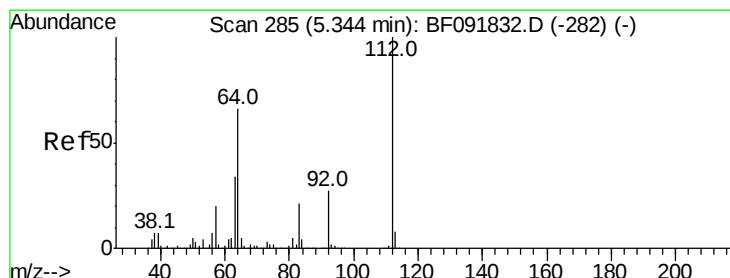
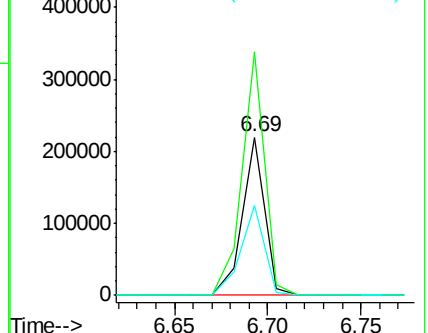
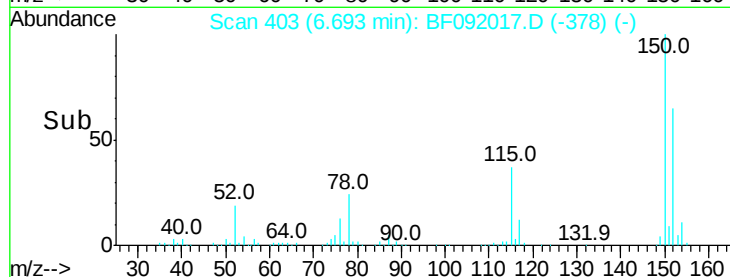
115 57.0 46.0 69.0



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: 118.47 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

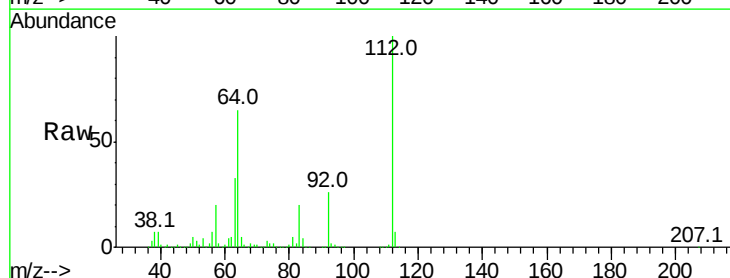
Tgt Ion:112 Resp: 1308047

Ion Ratio Lower Upper

112 100

64 65.4 46.1 69.1

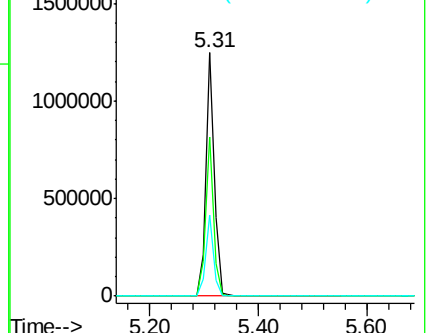
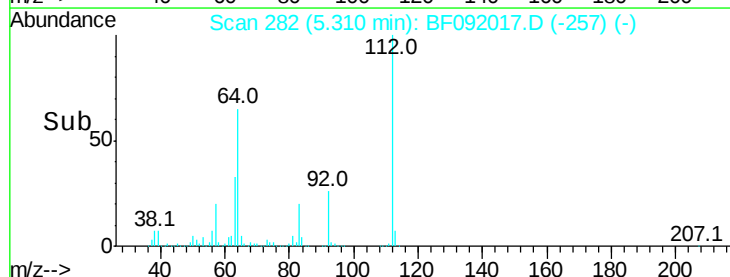
63 33.3 23.8 35.6



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: 120.75 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

PB95654BL

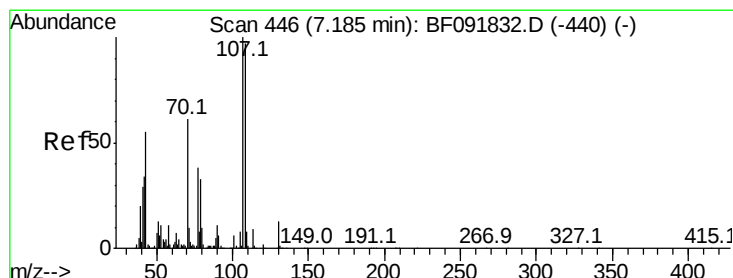
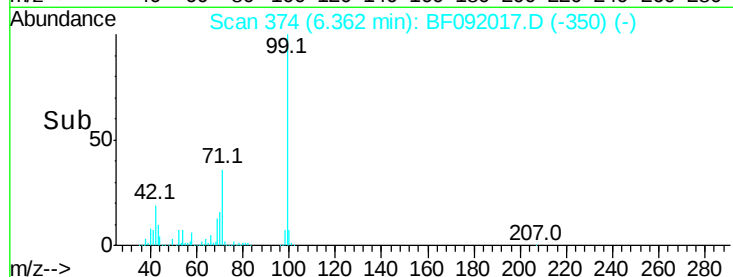
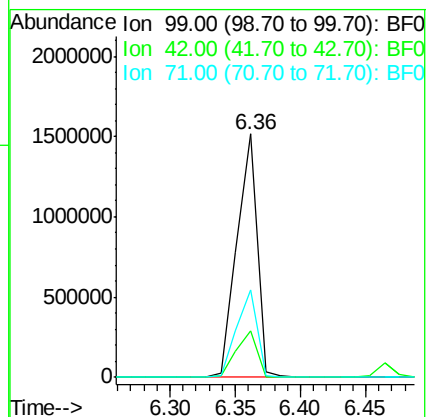
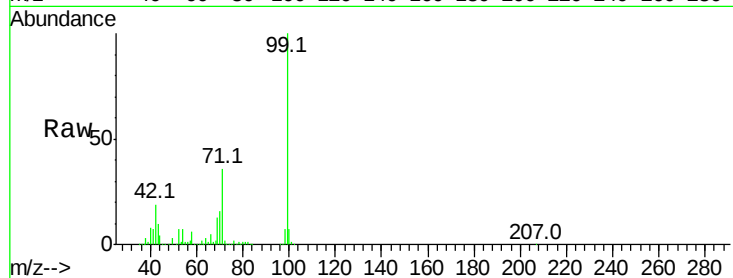
Tot Ion: 99 Resp: 1627759

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

71 35.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.25 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.13 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

Tgt Ion: 70 Resp: 145705

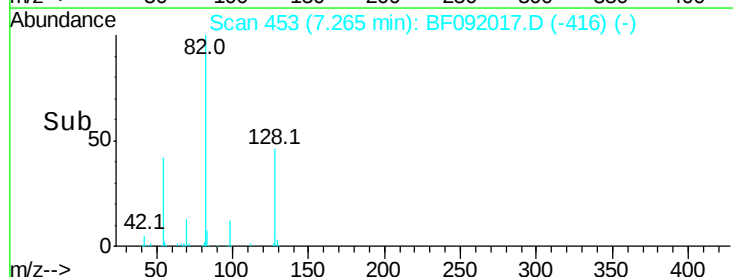
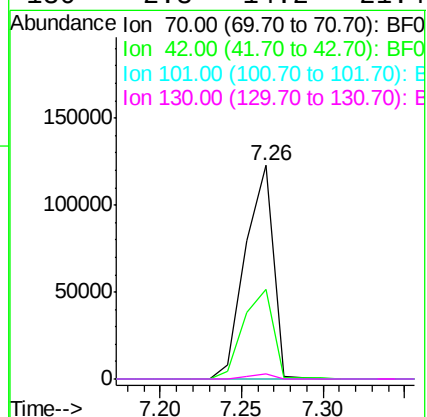
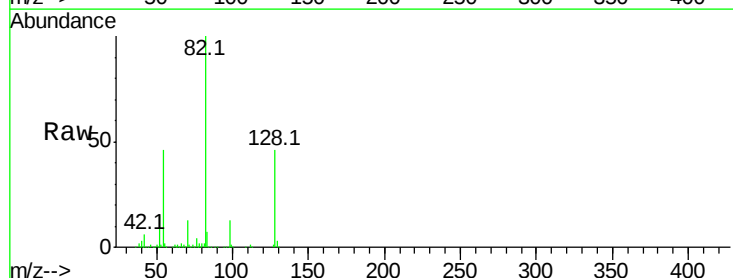
Ion Ratio Lower Upper

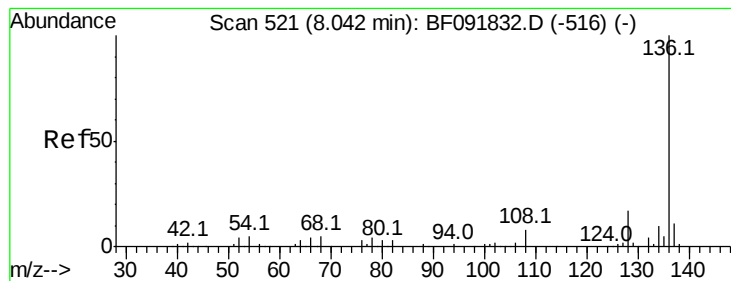
70 100

42 42.1 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

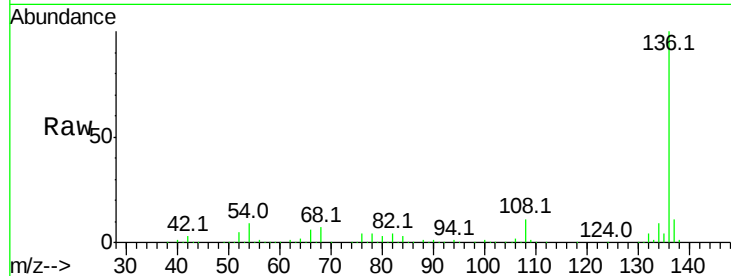




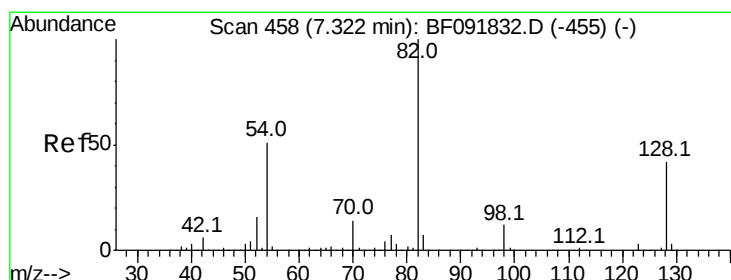
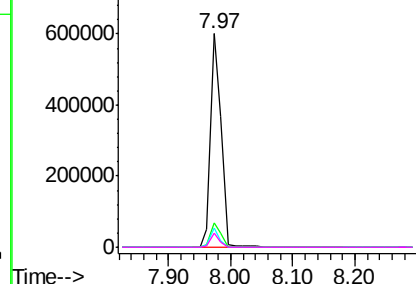
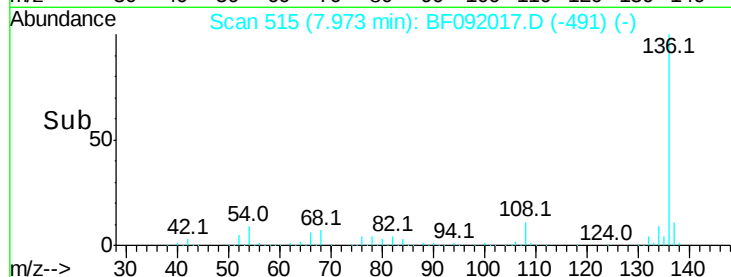
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF092017.D
Acq: 29 Dec 2016 11:33

Instrument :
BNA_F
ClientSampleId :
PB95654BL

Tot Ion:	136	Resp:	718107
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.2	4.5	6.7#
68	6.7	3.6	5.4#

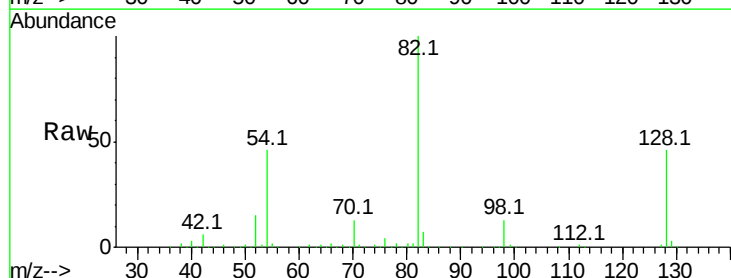


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

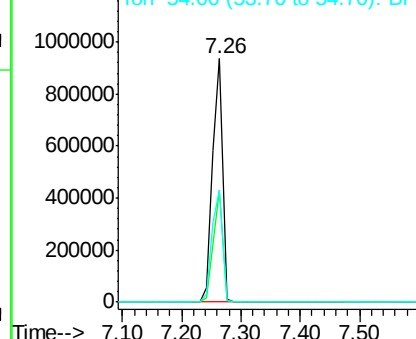
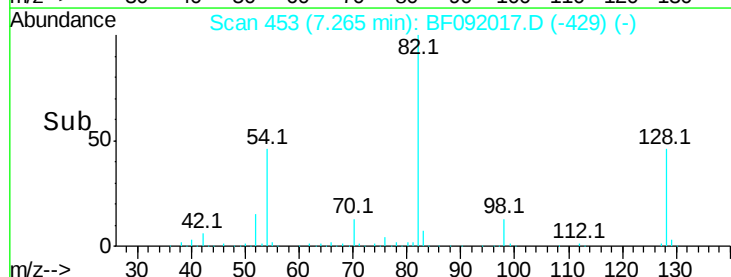


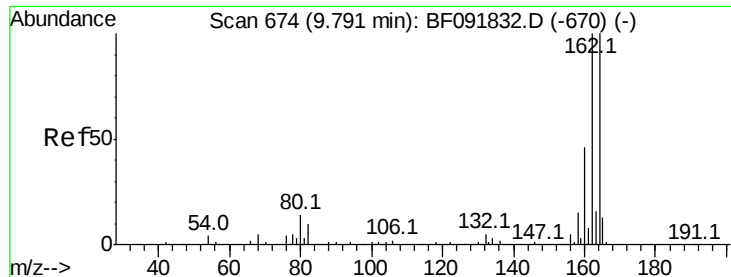
#23
Nitrobenzene-d5
Concen: 85.27 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF092017.D
Acq: 29 Dec 2016 11:33

Tgt Ion:	82	Resp:	1101148
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.6	52.0
54	46.1	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

PB95654BL

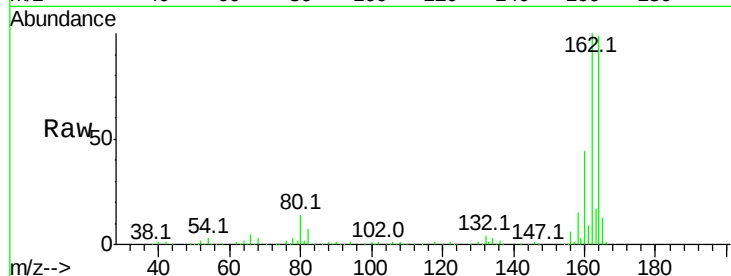
Tot Ion:164 Resp: 474150

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

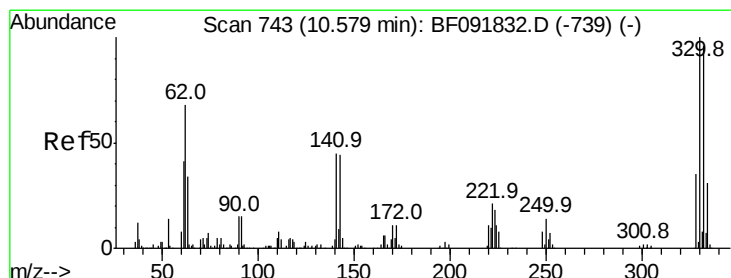
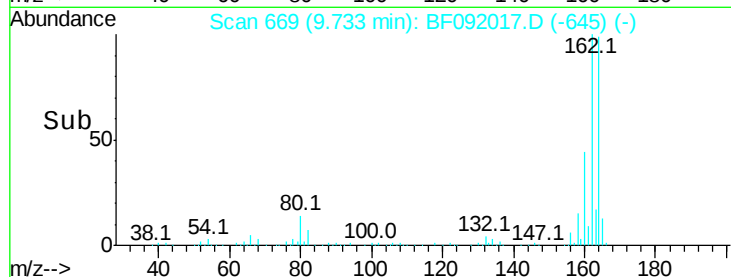
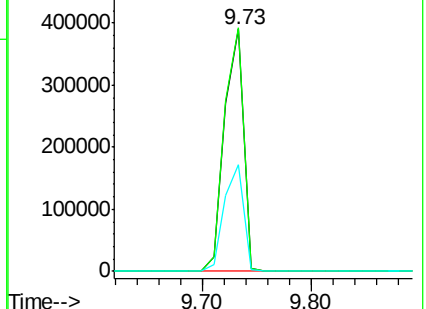
160 44.2 36.9 55.3



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: 122.11 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

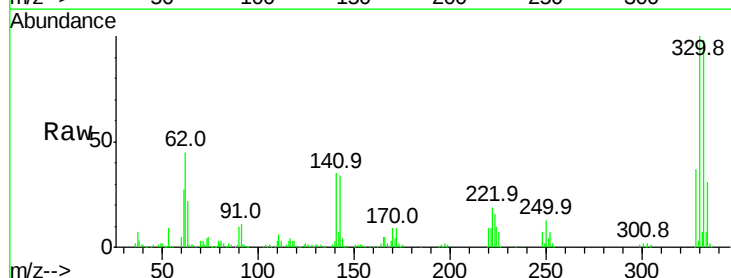
Tgt Ion:330 Resp: 479155

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

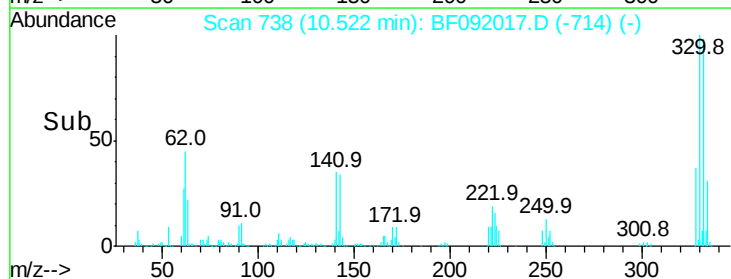
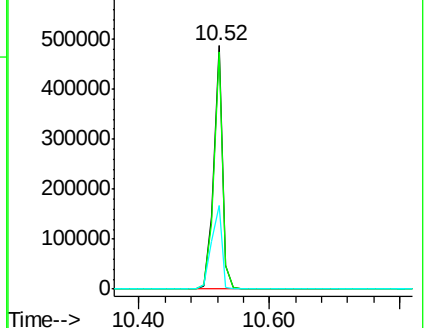
141 39.9 34.1 51.1



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



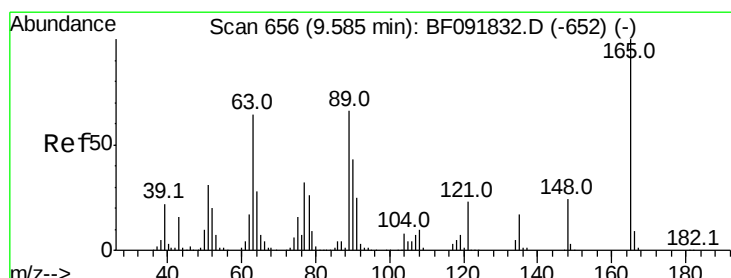
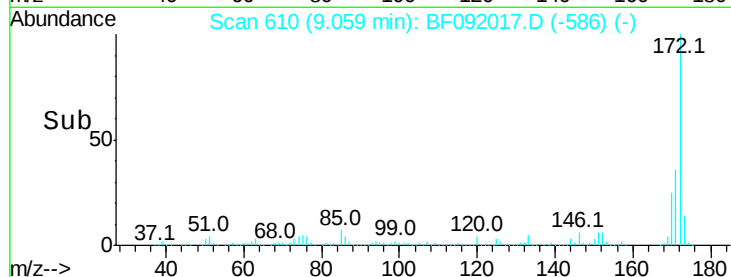
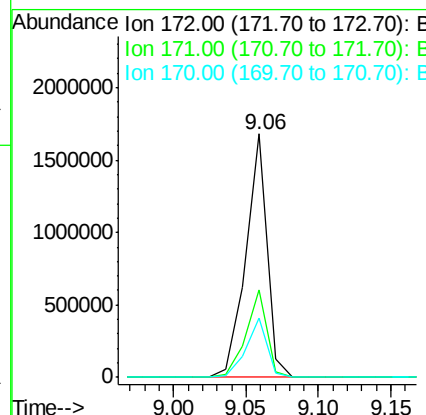
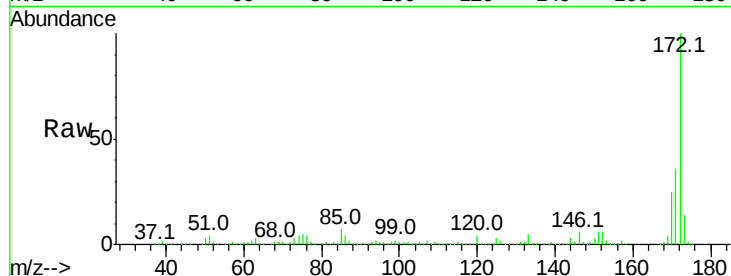


#44
 2-Fluorobiphenyl
 Concen: 71.94 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF092017.D
 Acq: 29 Dec 2016 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PB95654BL

Tot Ion:172 Resp: 1710616

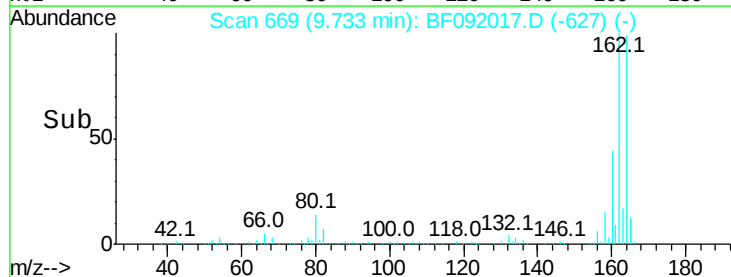
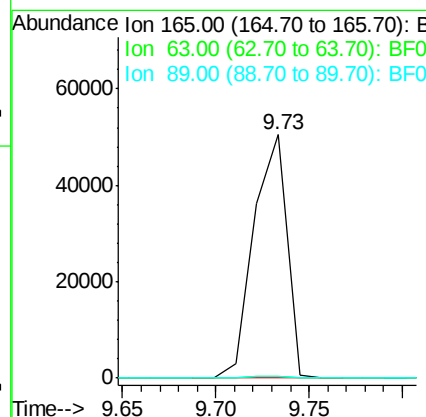
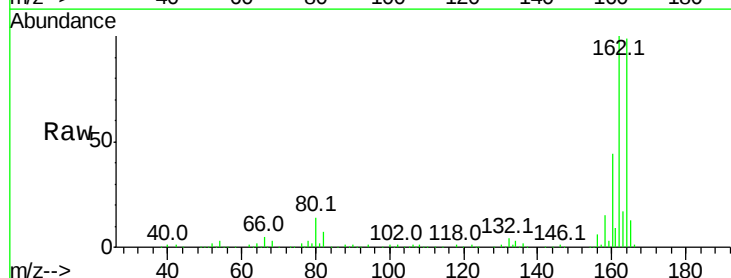
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.6	20.2	30.4

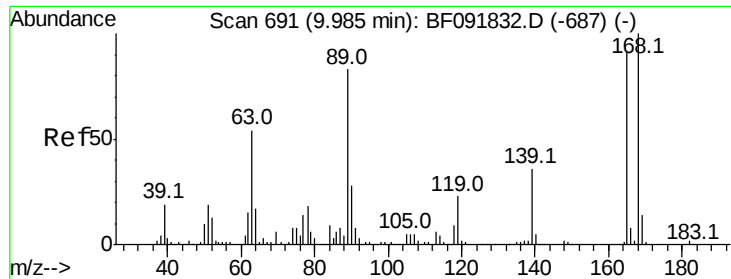


#50
 2,6-Dinitrotoluene
 Concen: 9.34 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.18 min
 Lab File: BF092017.D
 Acq: 29 Dec 2016 11:33

Tgt Ion:165 Resp: 61983

Ion	Ratio	Lower	Upper
165	100		
63	0.7	36.2	54.4#
89	0.8	40.2	60.4#

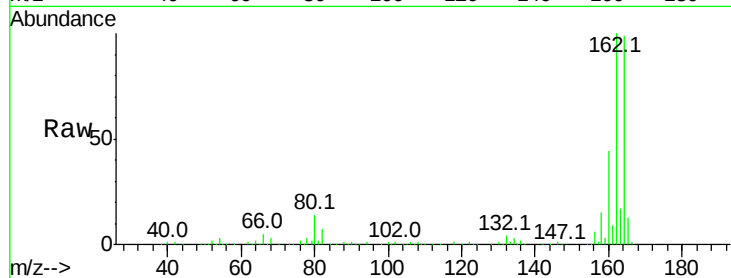




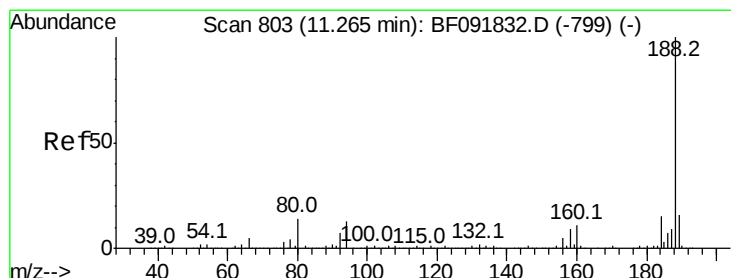
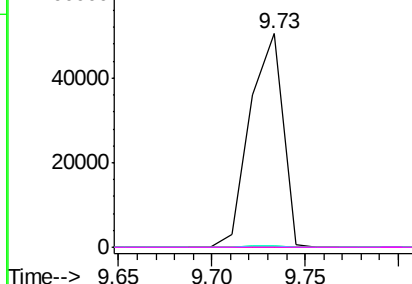
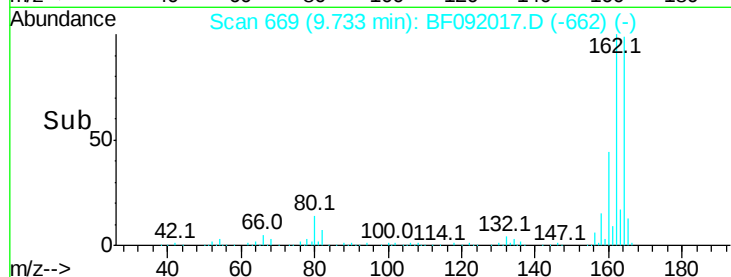
#56
2,4-Dinitrotoluene
Concen: 7.44 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.22 min
Lab File: BF092017.D
Acq: 29 Dec 2016 11:33

Instrument :
BNA_F
ClientSampleId :
PB95654BL

Tot Ion:165 Resp: 61983
Ion Ratio Lower Upper
165 100
63 0.7 40.2 60.4#
89 0.8 62.5 93.7#
182 0.0 1.8 2.8#

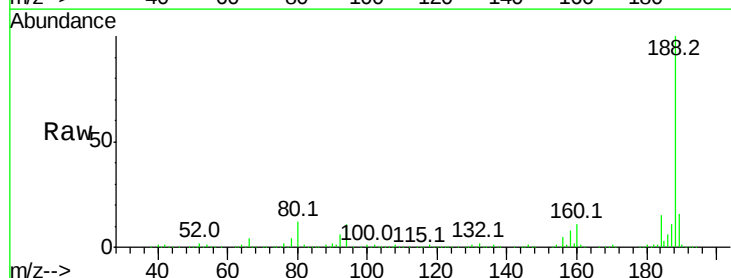


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

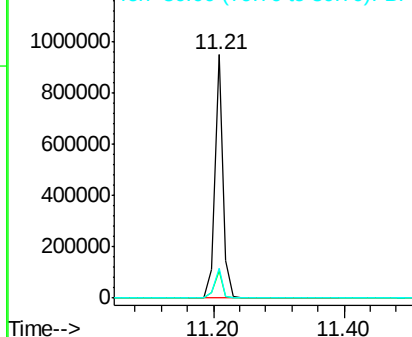
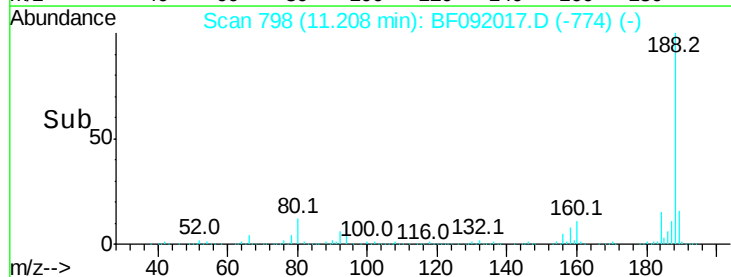


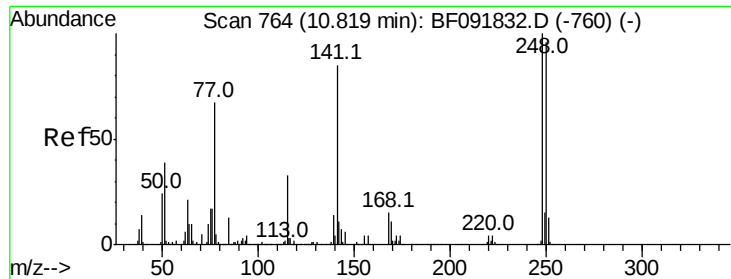
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF092017.D
Acq: 29 Dec 2016 11:33

Tgt Ion:188 Resp: 843908
Ion Ratio Lower Upper
188 100
94 11.1 10.0 15.0
80 12.3 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: 3.64 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.26 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

PB95654BL

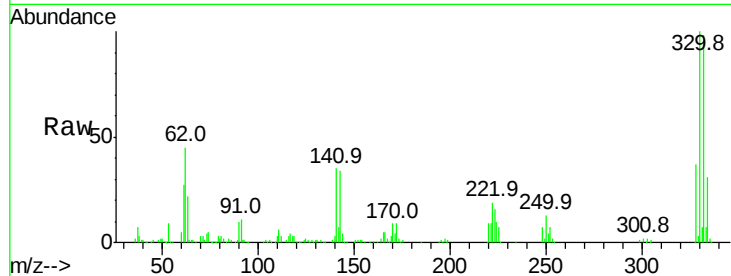
Tot Ion:248 Resp: 31990

Ion Ratio Lower Upper

248 100

250 203.3 76.9 115.3#

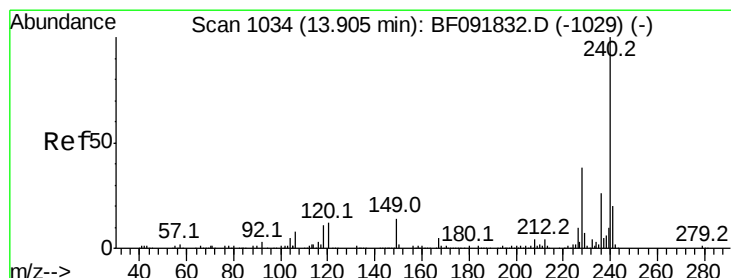
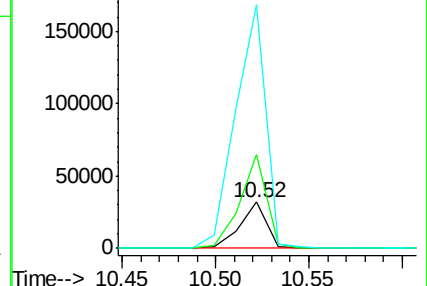
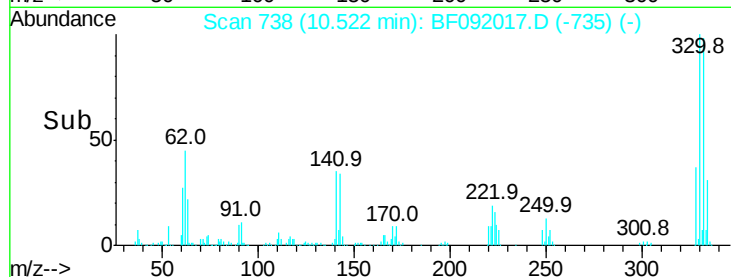
141 525.0 68.2 102.4#



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: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092017.D

Acq: 29 Dec 2016 11:33

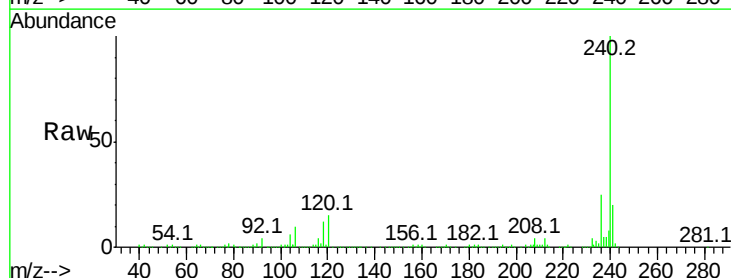
Tgt Ion:240 Resp: 690877

Ion Ratio Lower Upper

240 100

120 14.7 12.9 19.3

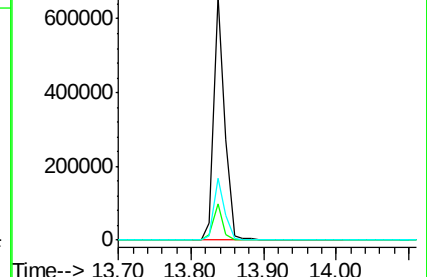
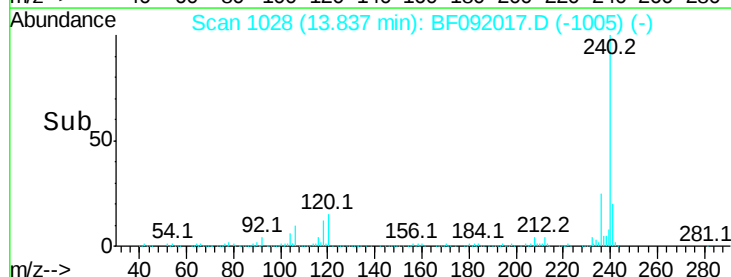
236 25.4 20.9 31.3

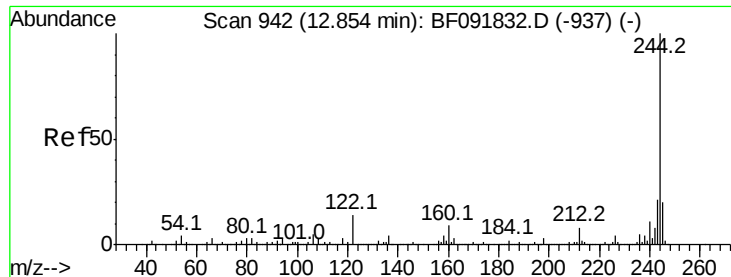


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



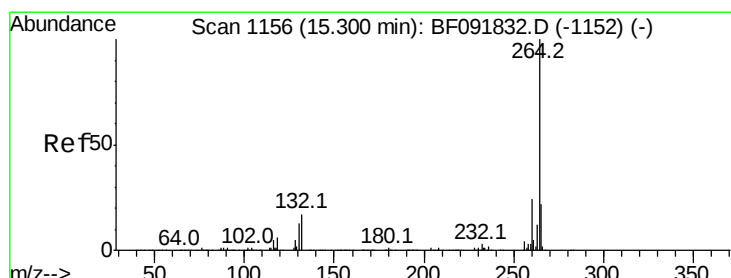
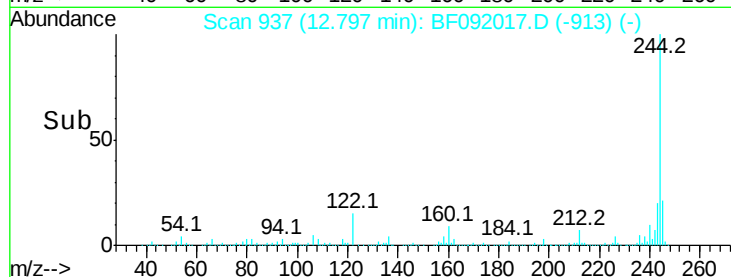
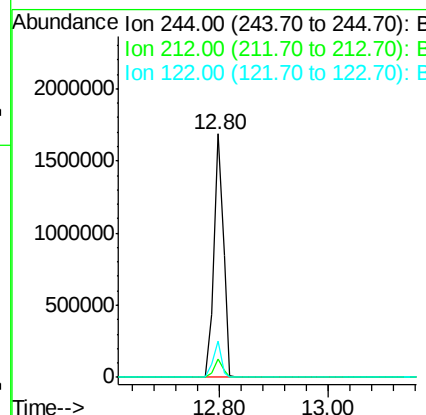
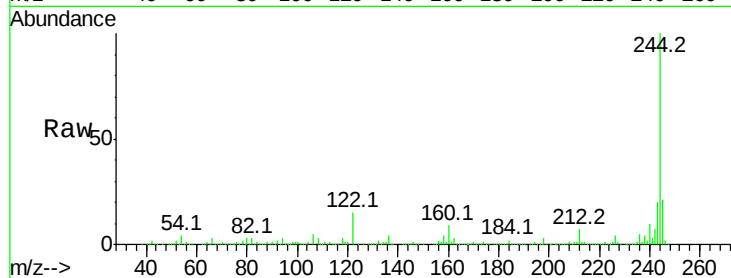


#78
 Terphenyl-d14
 Concen: 72.75 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: BF092017.D
 Acq: 29 Dec 2016 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PB95654BL

Tot Ion:244 Resp: 2072387

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	15.0	11.4	17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF092017.D
 Acq: 29 Dec 2016 11:33

Tgt Ion:264 Resp: 650742

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.4	26.0

