

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020717\
 Data File : BF092849.D
 Acq On : 8 Feb 2017 3:11
 Operator : SJ/MA
 Sample : I1709-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Quant Time: Feb 08 03:41:08 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 23:52:21 2017
 Response via : Initial Calibration

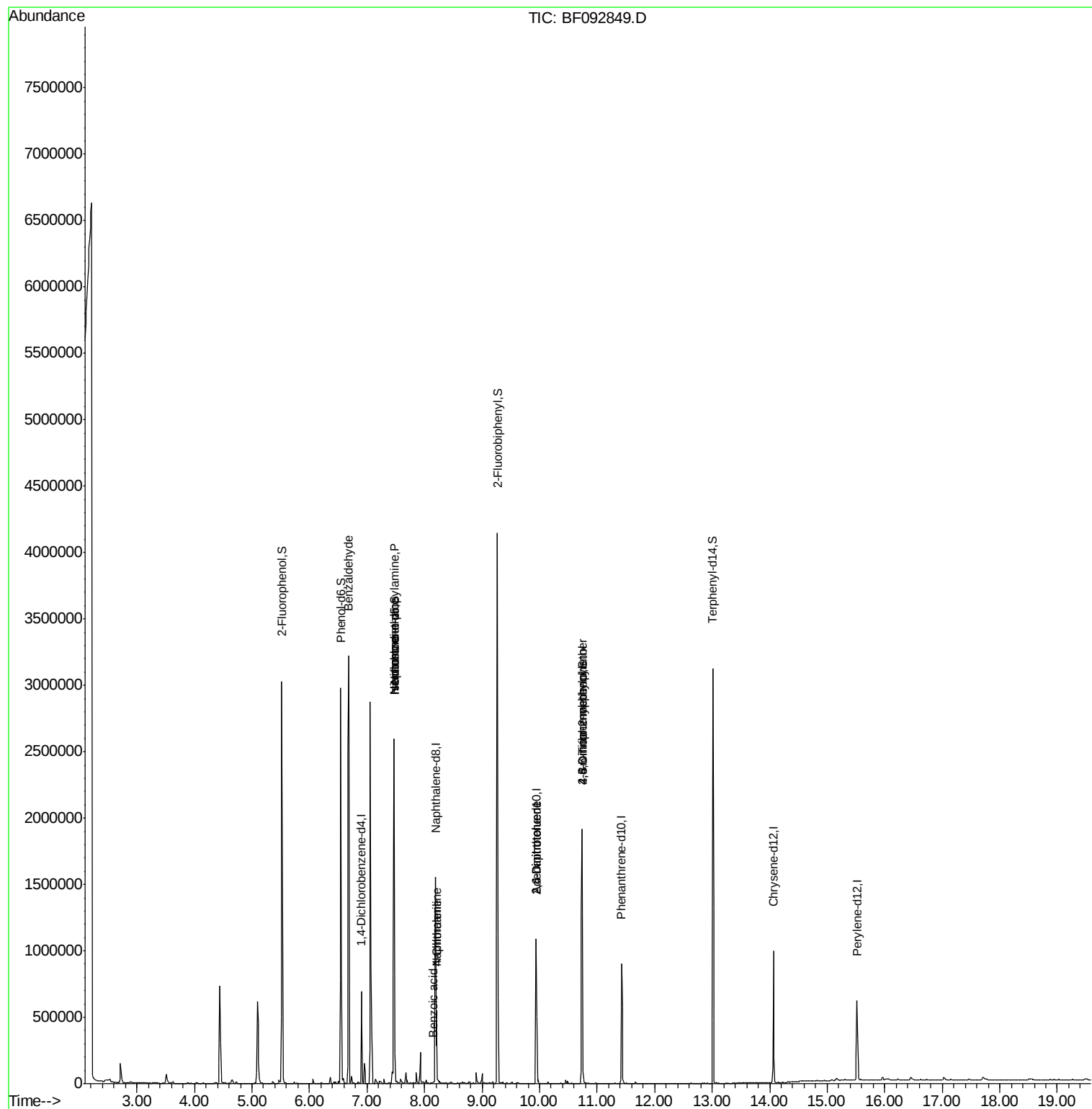
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	134816	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	661398	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	274463	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	423372	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	329726	20.00	ng	-0.01
86) Perylene-d12	15.52	264	265133	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1036577	131.91	ng	0.01
7) Phenol-d6	6.54	99	1129823	111.74	ng	0.00
23) Nitrobenzene-d5	7.47	82	823967	69.38	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	287508	144.83	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1388598	91.66	ng	0.00
78) Terphenyl-d14	13.01	244	1134819	80.87	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	24741	3.42	ng	Qvalue 85
18) Hexachloroethane	7.47	117	34150	9.73	ng	# 2
19) n-Nitroso-di-n-propylamine	7.47	70	111048	17.25	ng	# 83
25) Isophorone	7.47	82	625625	28.27	ng	# 65
31) Naphthalene	8.21	128	237602	7.09	ng	98
32) Benzoic acid	8.14	122	1005	7.31	ng	# 41
33) 4-Chloroaniline	8.21	127	31111	2.37	ng	# 34
50) 2,6-Dinitrotoluene	9.94	165	34683	8.69	ng	# 31
56) 2,4-Dinitrotoluene	9.94	165	34684	6.53	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.74	198	569	2.88	ng	# 1
66) 4-Bromophenyl-phenylether	10.74	248	21189	4.79	ng	# 1

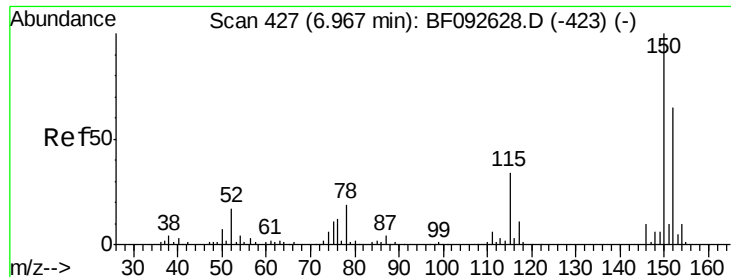
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

Instrument :

BNA_F

ClientSampleId :

SS-1

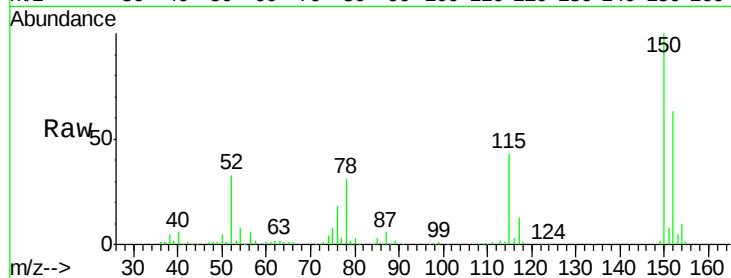
Tgt Ion:152 Resp: 134816

Ion Ratio Lower Upper

152 100

150 158.3 124.9 187.3

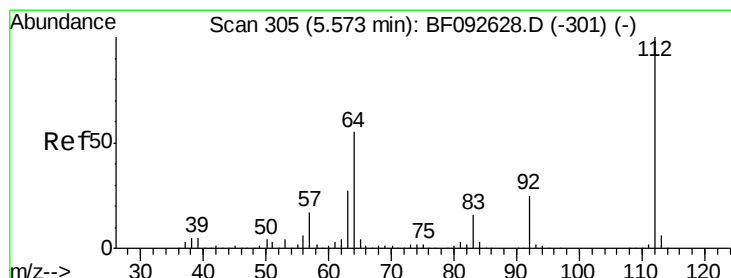
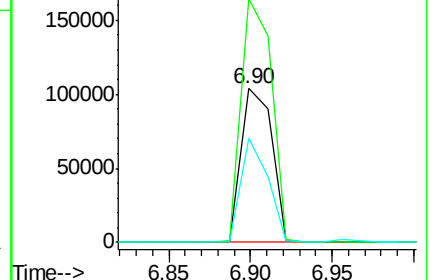
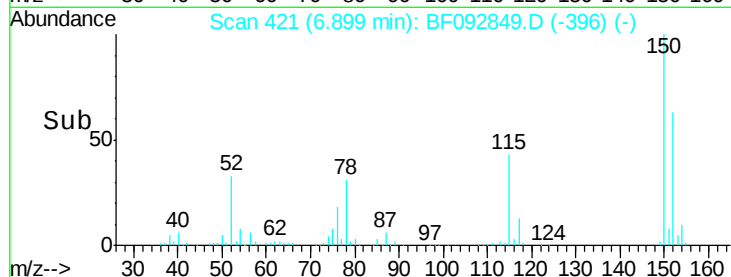
115 68.0 46.0 69.0



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: 131.91 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

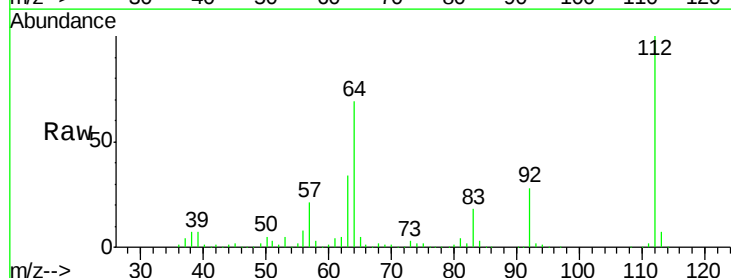
Tgt Ion:112 Resp: 1036577

Ion Ratio Lower Upper

112 100

64 69.2 46.1 69.1#

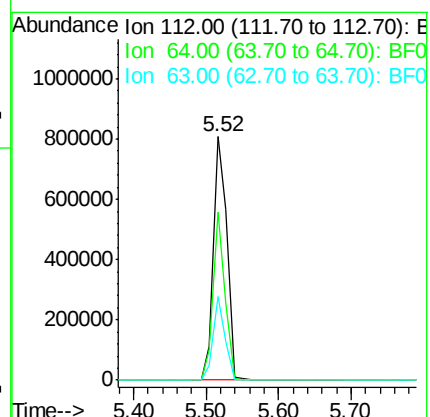
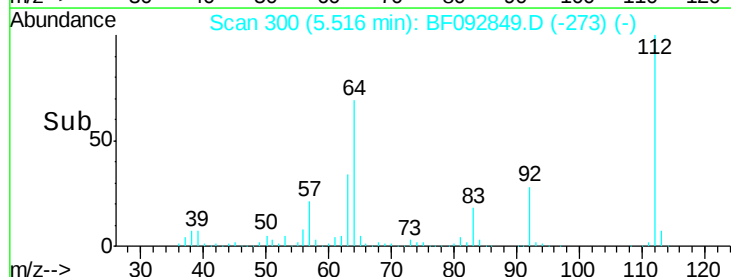
63 34.4 23.8 35.6

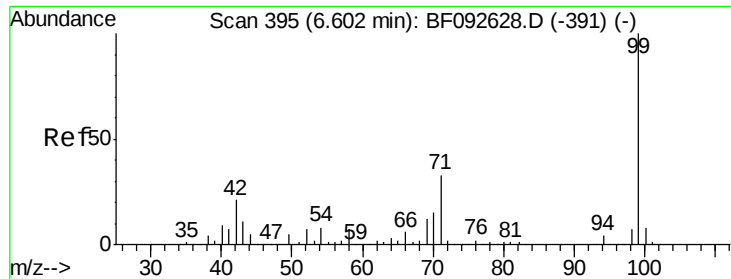


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.74 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

Instrument :

BNA_F

ClientSampled :

SS-1

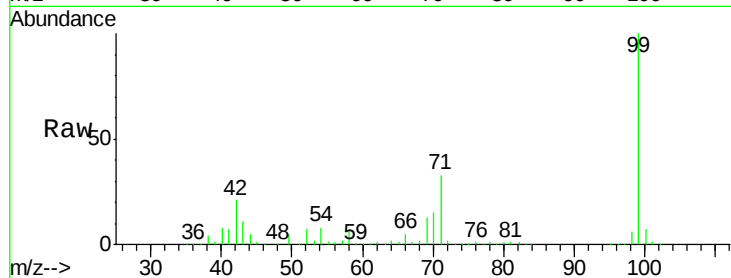
Tgt Ion: 99 Resp: 1129823

Ion Ratio Lower Upper

99 100

42 21.0 15.6 23.4

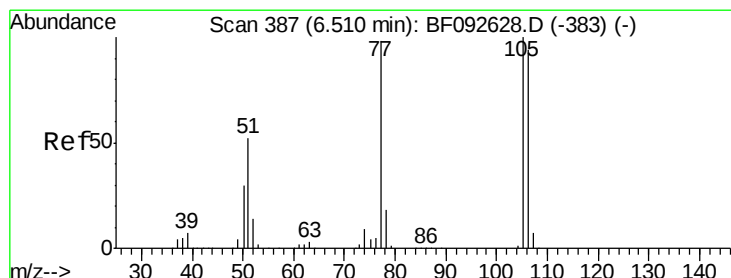
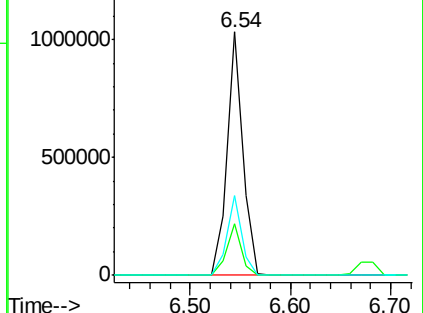
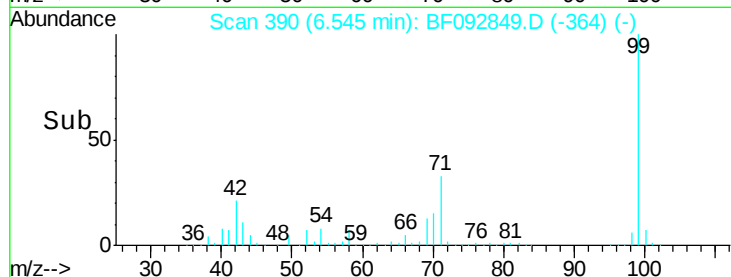
71 33.0 27.5 41.3



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



#9

Benzaldehyde

Concen: 3.42 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.23 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

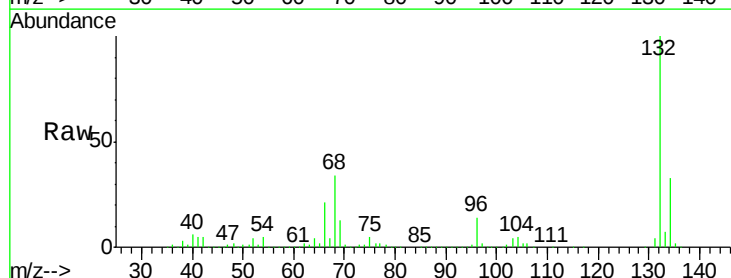
Tgt Ion: 77 Resp: 24741

Ion Ratio Lower Upper

77 100

105 86.8 83.9 123.9

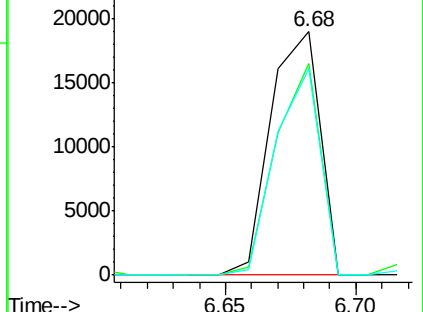
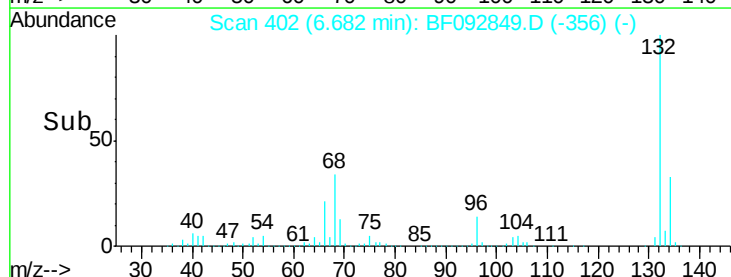
106 84.6 77.6 117.6

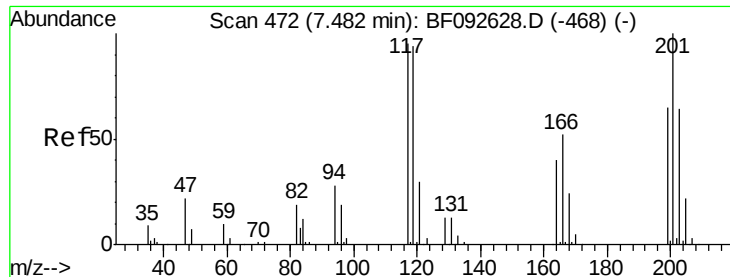


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

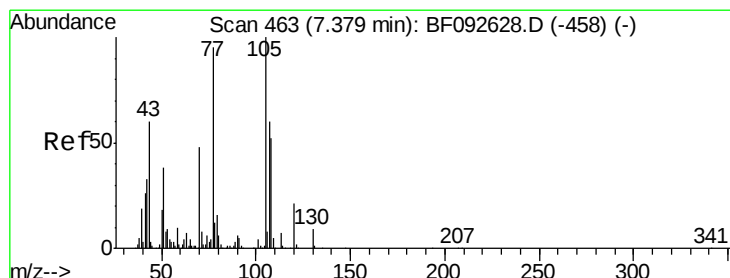
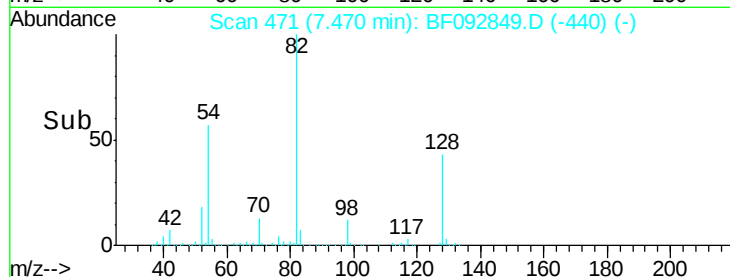
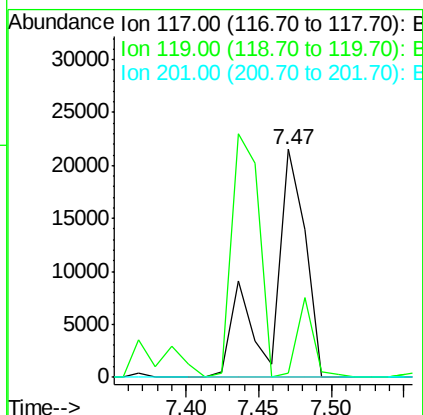
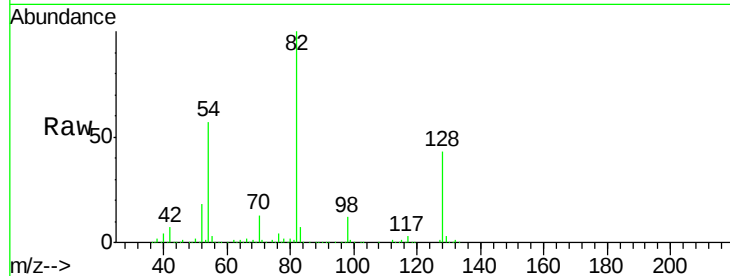




#18
Hexachloroethane
Concen: 9.73 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.06 min
Lab File: BF092849.D
Acq: 8 Feb 2017 3:11

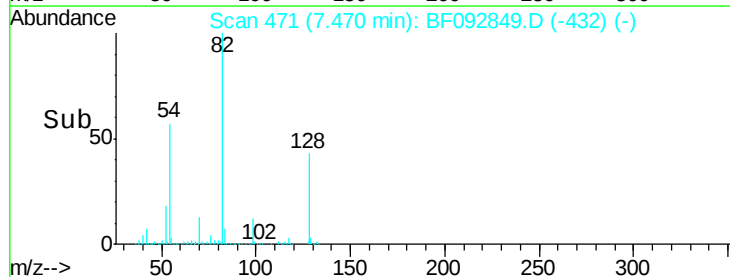
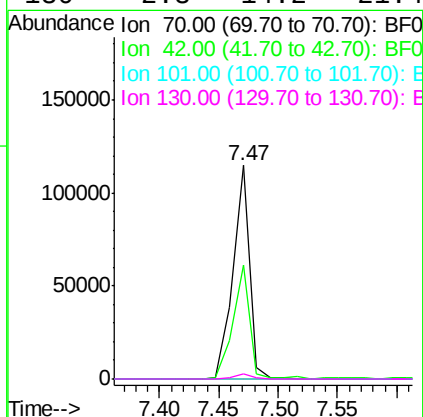
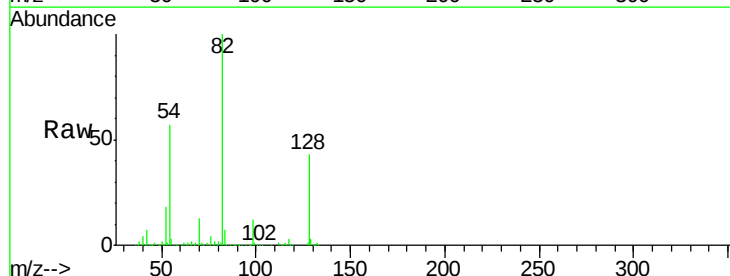
Instrument :
BNA_F
ClientSampleId :
SS-1

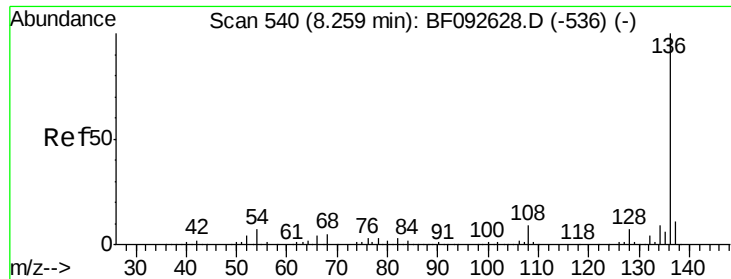
Tgt Ion: 117 Resp: 34150
Ion Ratio Lower Upper
117 100
119 1.9 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 17.25 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.15 min
Lab File: BF092849.D
Acq: 8 Feb 2017 3:11

Tgt Ion: 70 Resp: 111048
Ion Ratio Lower Upper
70 100
42 53.6 49.4 74.0
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#

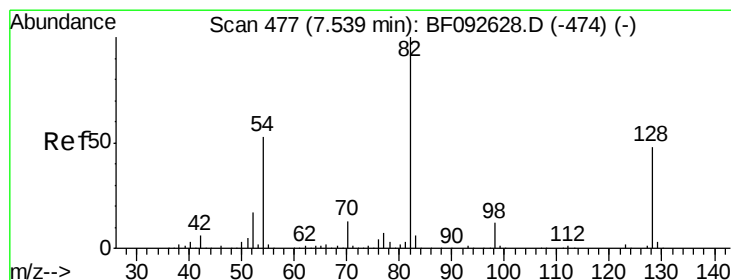
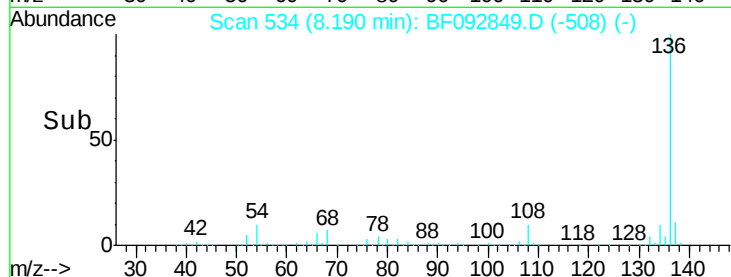
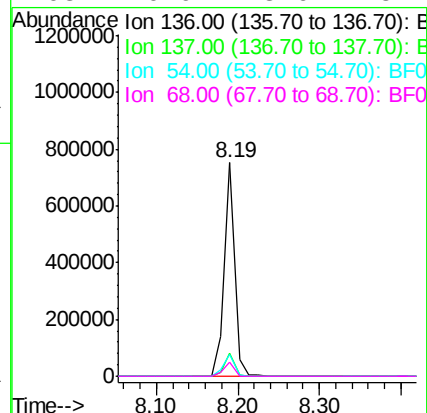
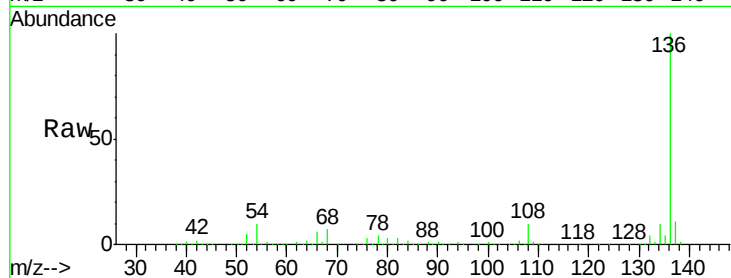




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF092849.D
Acq: 8 Feb 2017 3:11

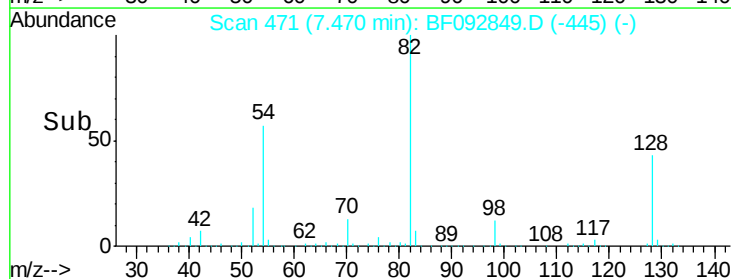
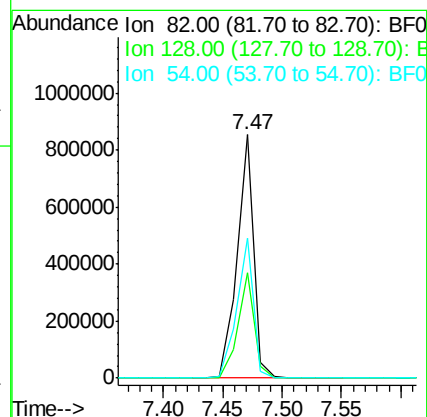
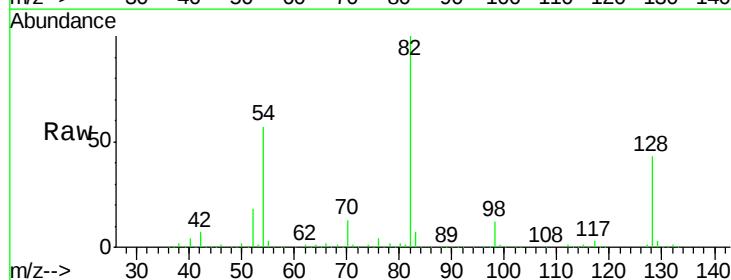
Instrument :
BNA_F
ClientSampleId :
SS-1

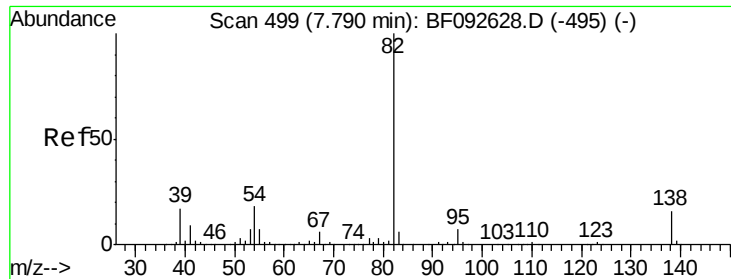
Tgt Ion:	136	Resp:	661398
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.4	12.6
54	10.0	4.5	6.7#
68	6.9	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 69.38 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.00 min
Lab File: BF092849.D
Acq: 8 Feb 2017 3:11

Tgt Ion:	82	Resp:	823967
Ion Ratio	Lower	Upper	
82	100		
128	43.3	34.6	52.0
54	57.4	39.5	59.3





#25

Isophorone

Concen: 28.27 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.26 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

Instrument :

BNA_F

ClientSampleId :

SS-1

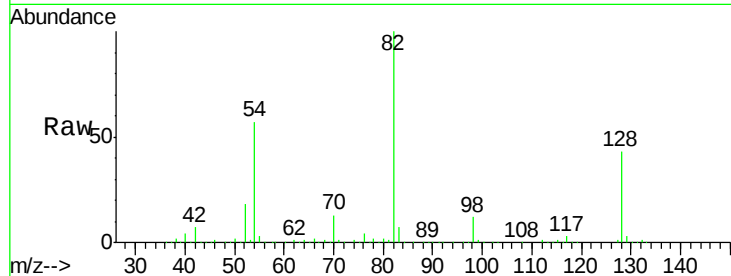
Tgt Ion: 82 Resp: 625625

Ion Ratio Lower Upper

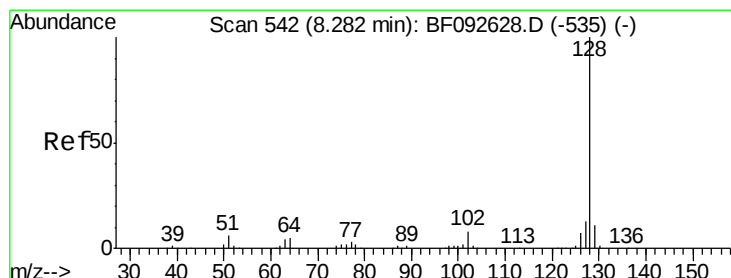
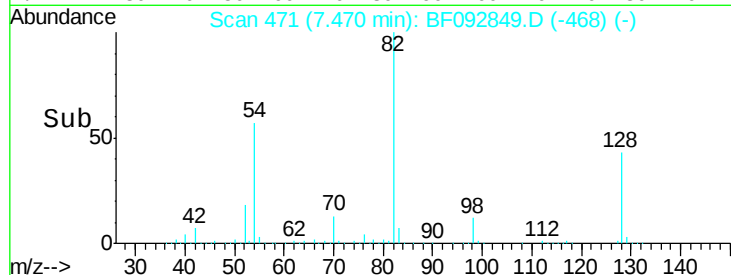
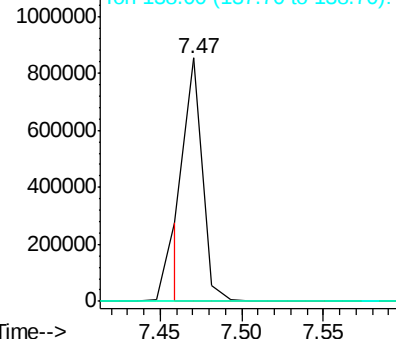
82 100

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): E



#31

Naphthalene

Concen: 7.09 ng

RT: 8.21 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

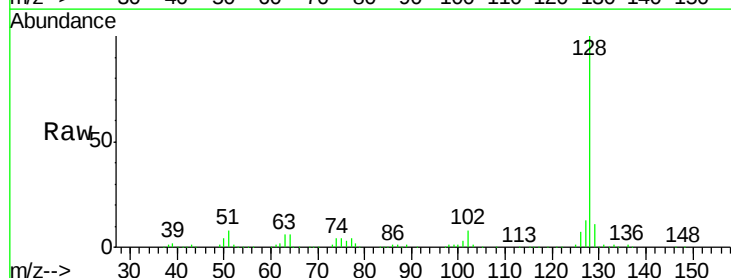
Tgt Ion: 128 Resp: 237602

Ion Ratio Lower Upper

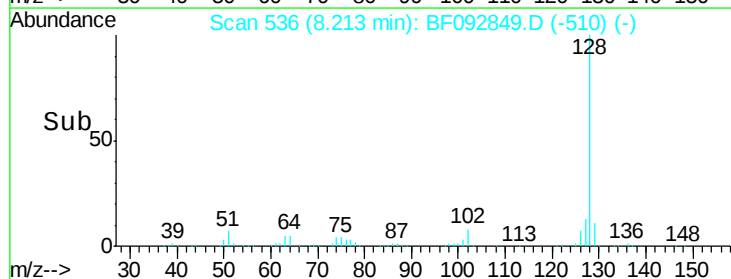
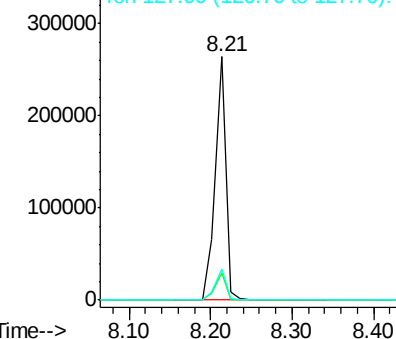
128 100

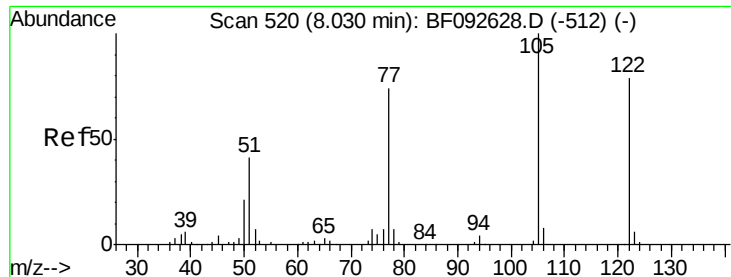
129 11.1 9.5 14.3

127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

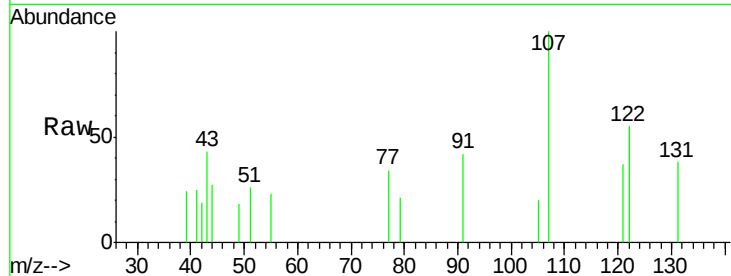




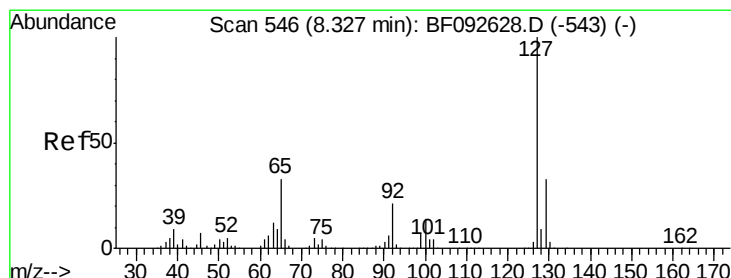
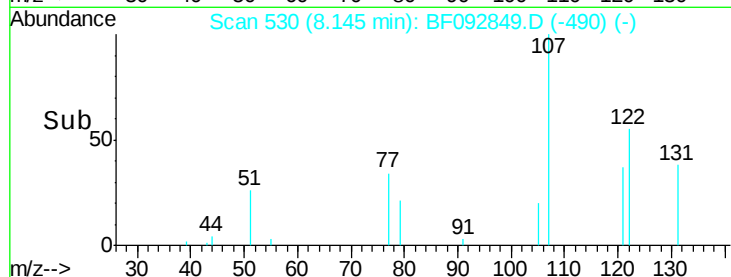
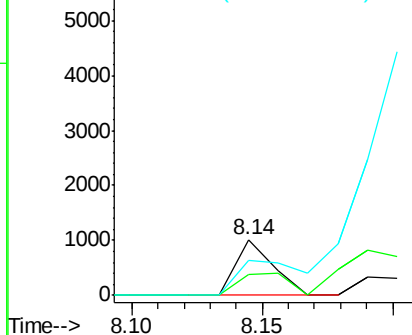
#32
Benzoic acid
Concen: 7.31 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.16 min
Lab File: BF092849.D
Acq: 8 Feb 2017 3:11

Instrument :
BNA_F
ClientSampleId :
SS-1

Tgt Ion:122 Resp: 1005
Ion Ratio Lower Upper
122 100
105 36.9 107.2 147.2#
77 62.4 74.5 114.5#

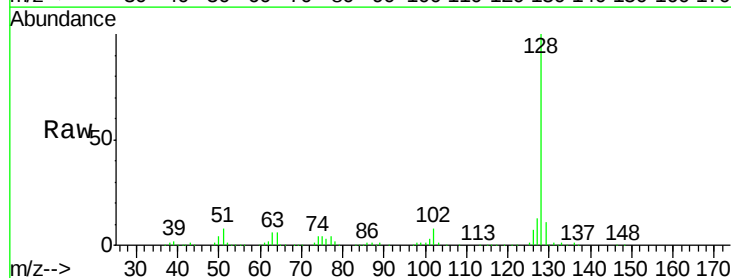


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

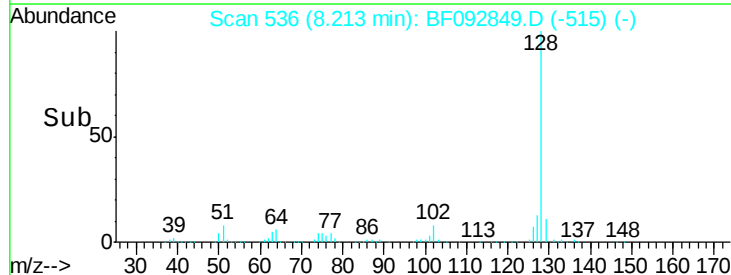
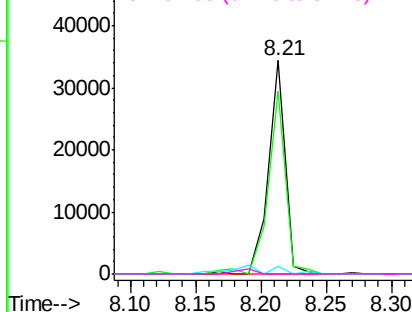


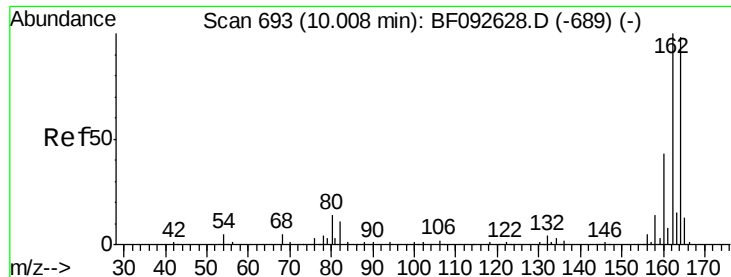
#33
4-Chloroaniline
Concen: 2.37 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF092849.D
Acq: 8 Feb 2017 3:11

Tgt Ion:127 Resp: 31111
Ion Ratio Lower Upper
127 100
129 85.6 26.3 39.5#
65 3.7 25.8 38.8#
92 0.0 16.1 24.1#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

Instrument :

BNA_F

ClientSampleId :

SS-1

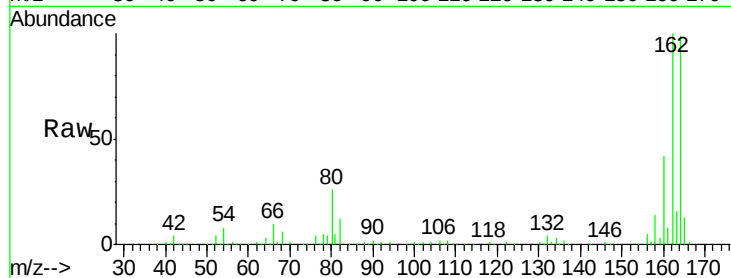
Tgt Ion:164 Resp: 274463

Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.2

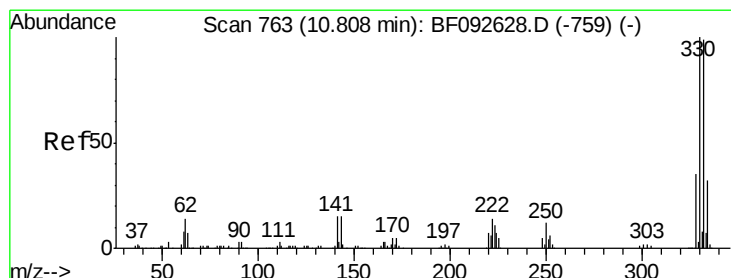
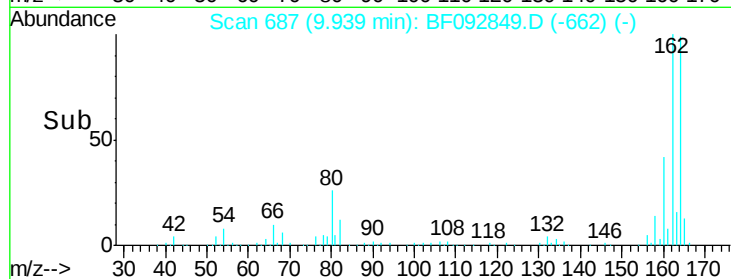
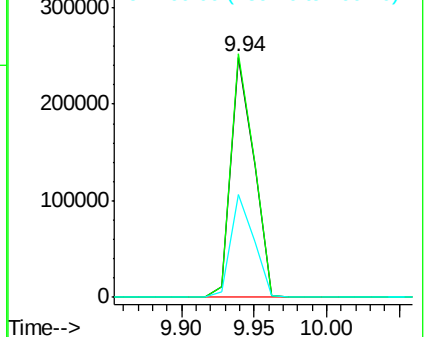
160 42.8 36.9 55.3



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: 144.83 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

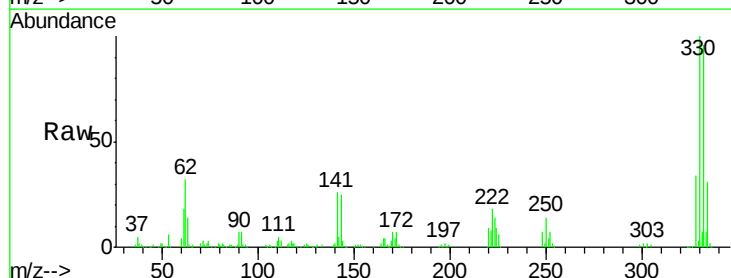
Tgt Ion:330 Resp: 287508

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

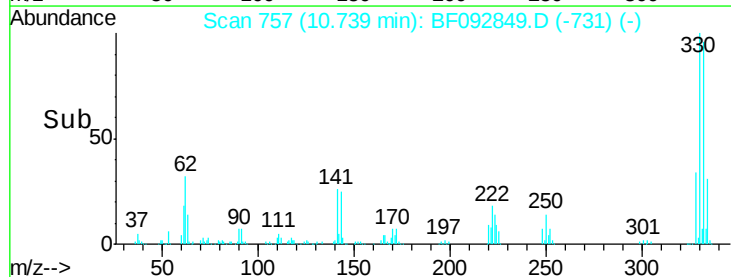
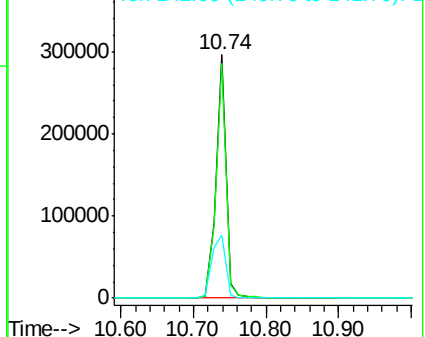
141 35.5 34.1 51.1

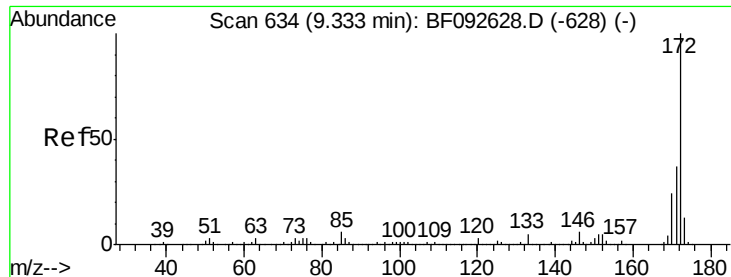


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

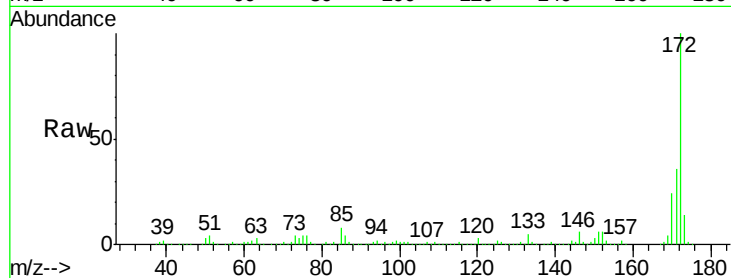




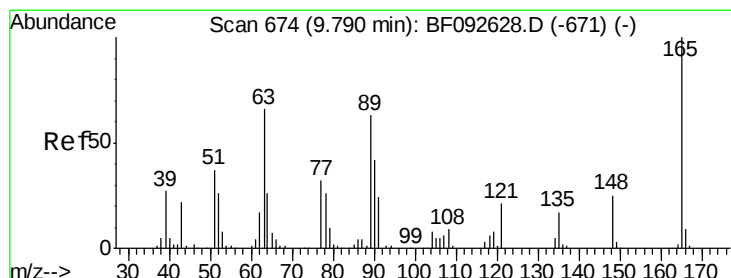
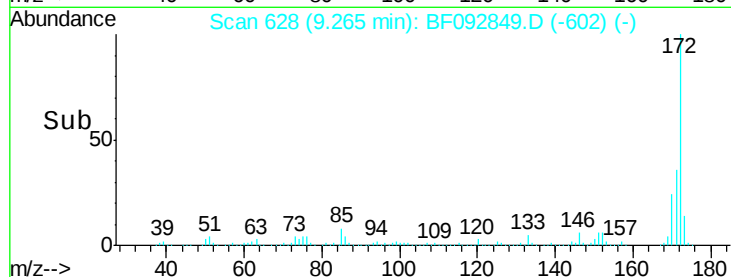
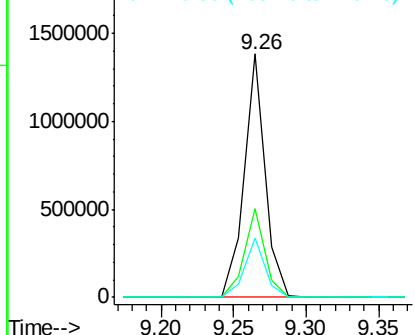
#44
 2-Fluorobiphenyl
 Concen: 91.66 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF092849.D
 Acq: 8 Feb 2017 3:11

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Tgt Ion:172 Resp: 1388598
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.3 20.2 30.4

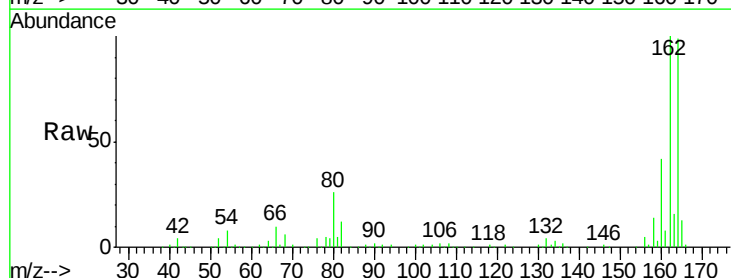


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

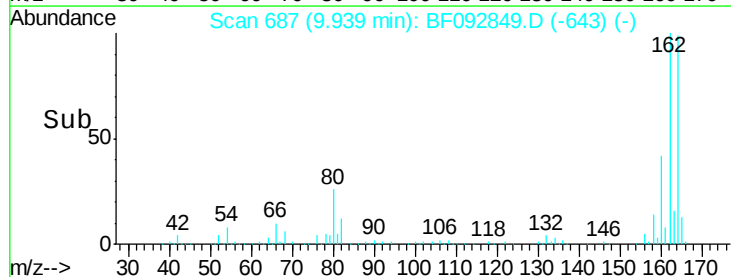
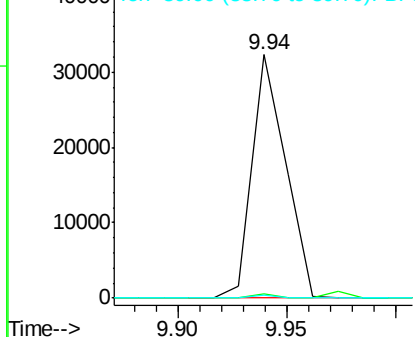


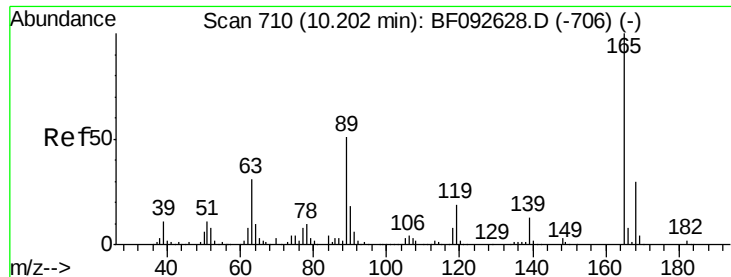
#50
 2,6-Dinitrotoluene
 Concen: 8.69 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.21 min
 Lab File: BF092849.D
 Acq: 8 Feb 2017 3:11

Tgt Ion:165 Resp: 34683
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.2 54.4#
 89 1.1 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

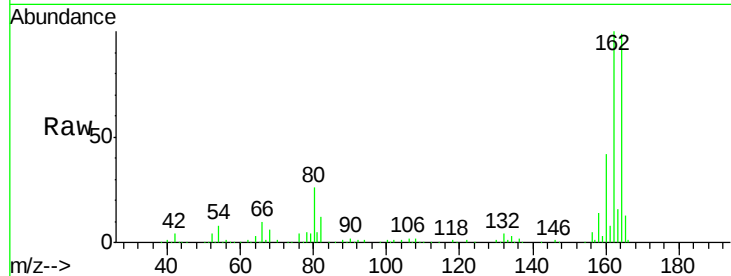




#56
 2,4-Dinitrotoluene
 Concen: 6.53 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.21 min
 Lab File: BF092849.D
 Acq: 8 Feb 2017 3:11

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

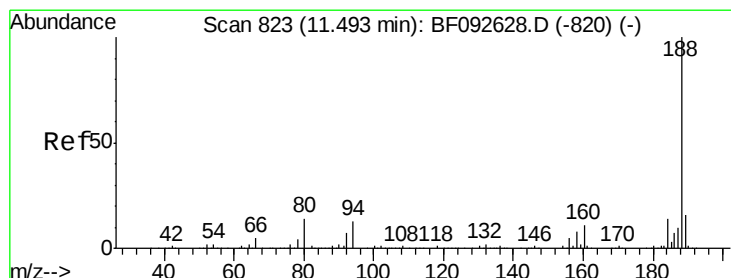
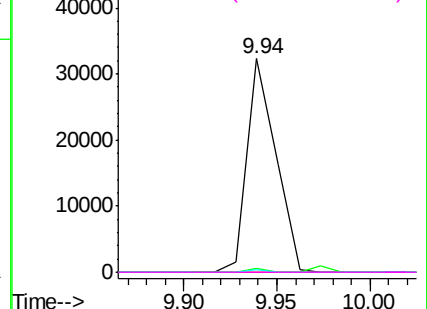
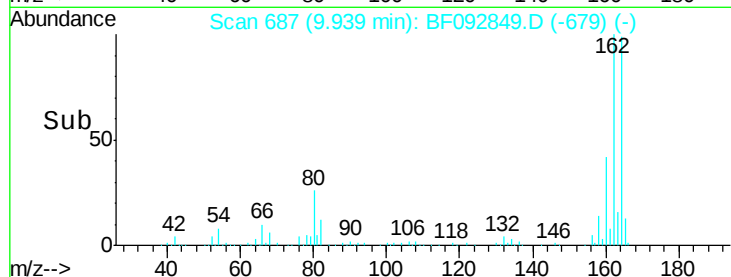


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

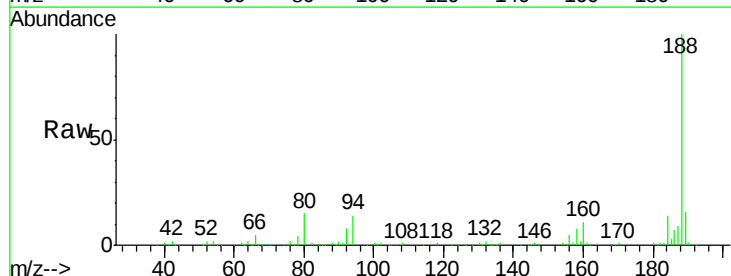
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092849.D
 Acq: 8 Feb 2017 3:11

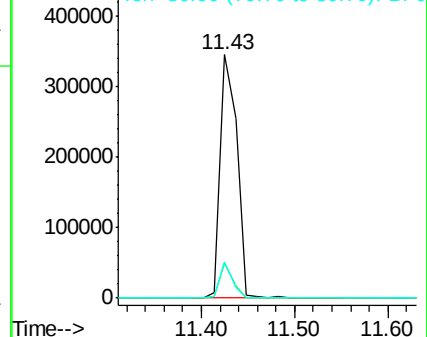
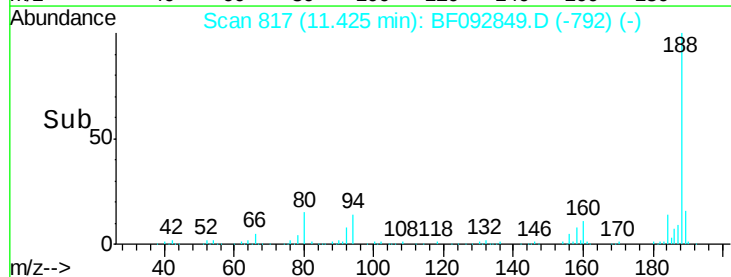
Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.2	10.0	15.0
80	15.0	11.2	16.8

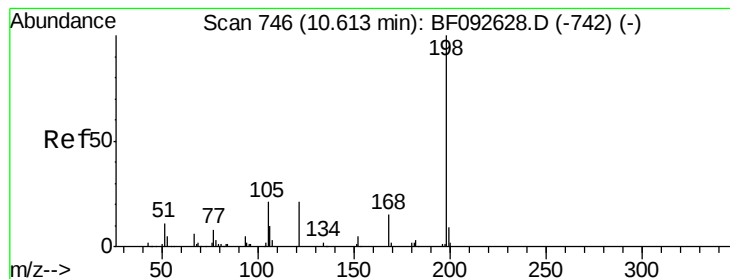


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.88 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.18 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

Instrument :

BNA_F

ClientSampleId :

SS-1

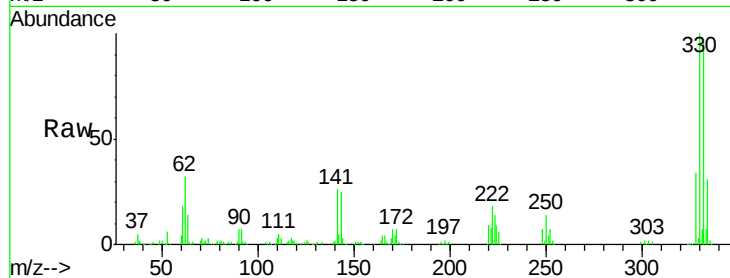
Tgt Ion:198 Resp: 569

Ion Ratio Lower Upper

198 100

51 147.6 6.7 46.7#

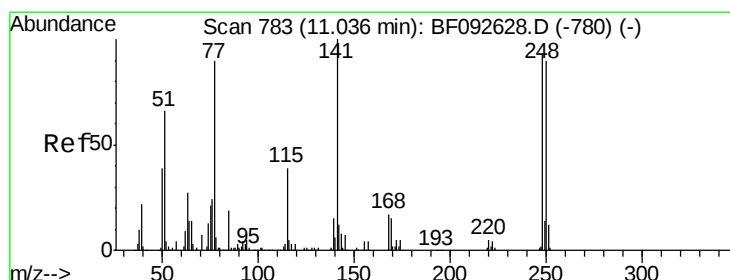
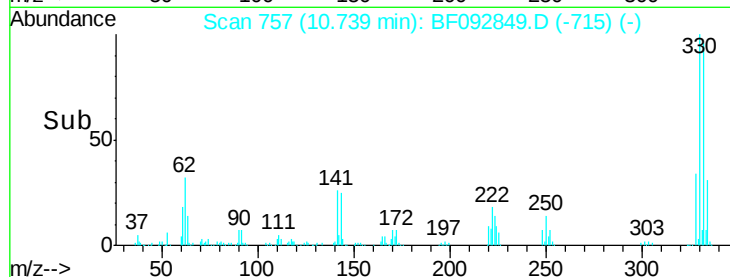
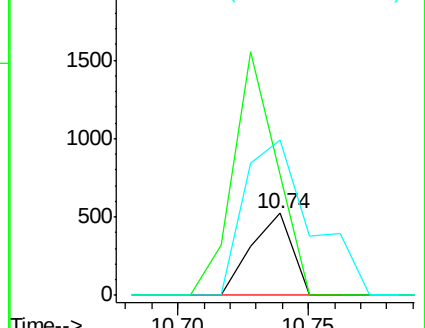
105 189.4 16.6 56.6#



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: 4.79 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.24 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

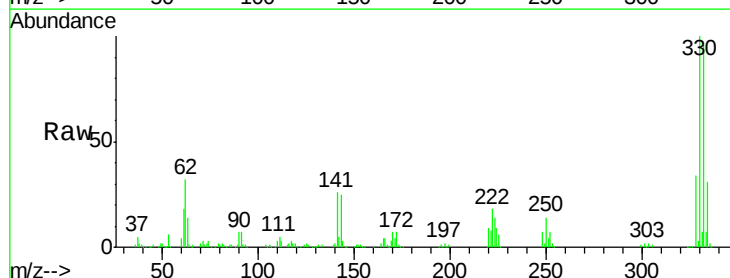
Tgt Ion:248 Resp: 21189

Ion Ratio Lower Upper

248 100

250 203.6 76.9 115.3#

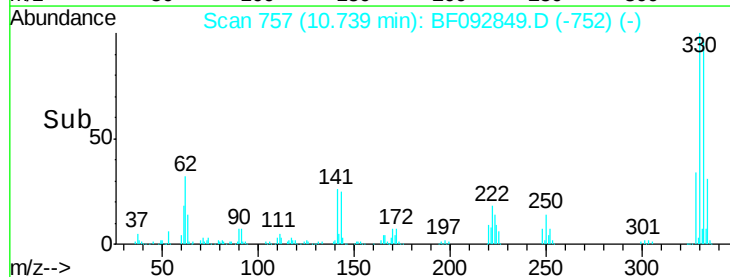
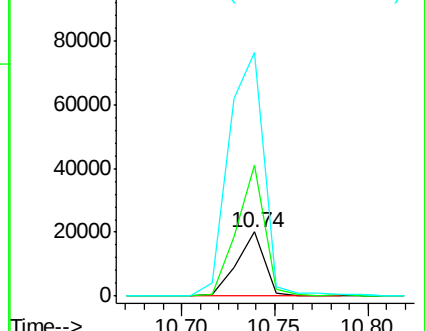
141 378.3 68.2 102.4#

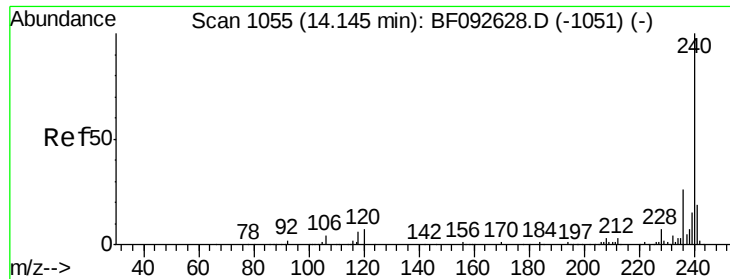


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

Instrument :

BNA_F

ClientSampleId :

SS-1

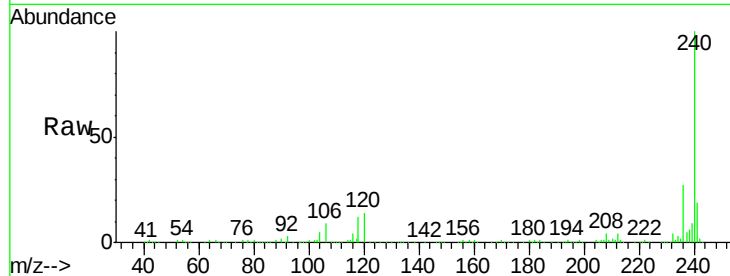
Tgt Ion:240 Resp: 329726

Ion Ratio Lower Upper

240 100

120 14.0 12.9 19.3

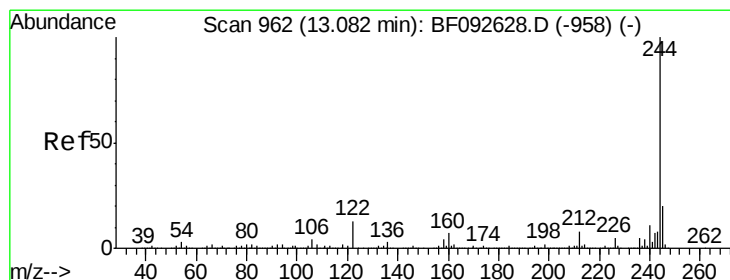
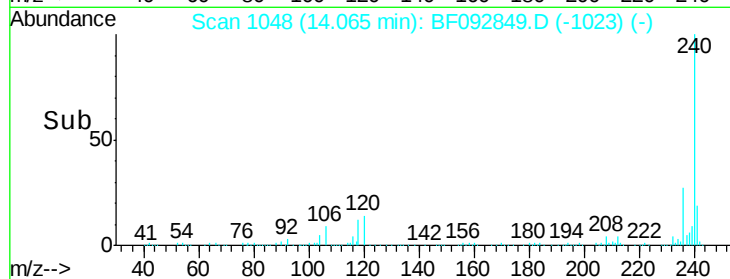
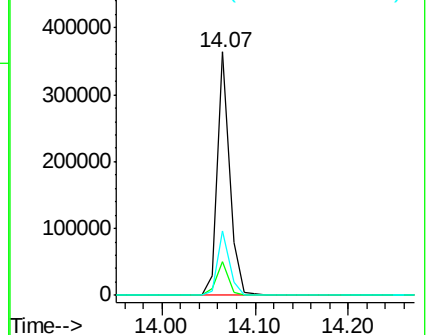
236 26.6 20.9 31.3



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: 80.87 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF092849.D

Acq: 8 Feb 2017 3:11

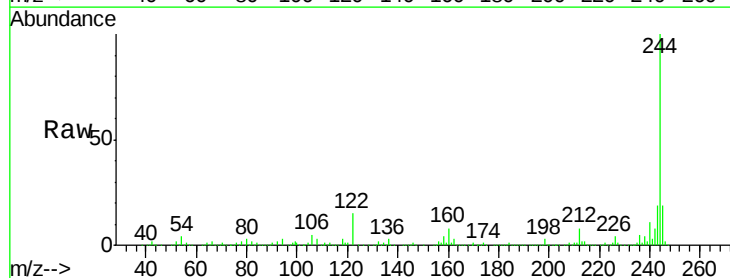
Tgt Ion:244 Resp: 1134819

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

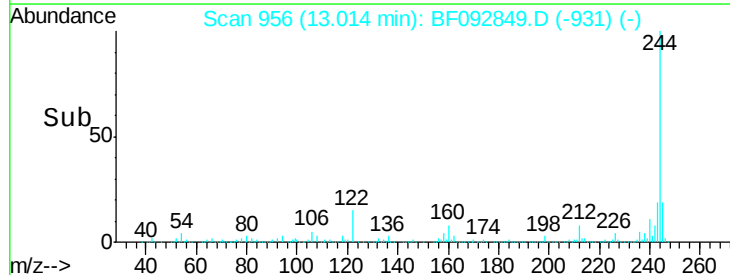
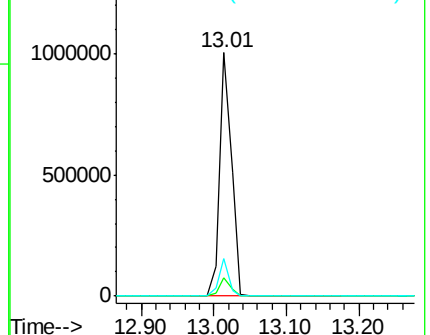
122 15.2 11.4 17.2

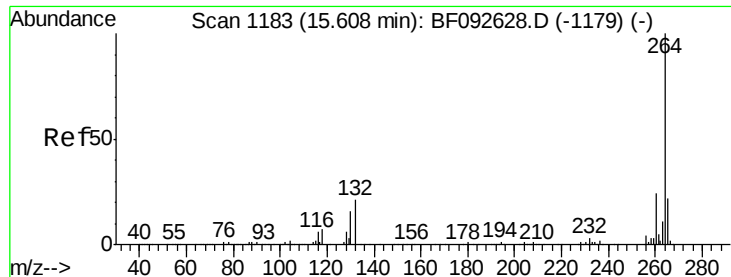


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

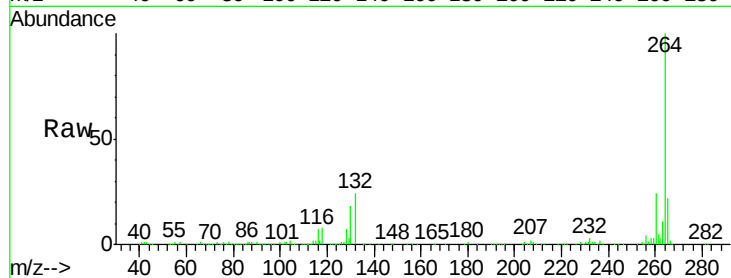




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF092849.D
Acq: 8 Feb 2017 3:11

Instrument :
BNA_F
ClientSampleId :
SS-1

Tgt Ion: 264 Resp: 265133
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 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

