

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092901.D
 Acq On : 10 Feb 2017 23:34
 Operator : SJ/MA
 Sample : I1777-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38-SB-01-0-2

Quant Time: Feb 11 00:27:49 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 23:31:14 2017
 Response via : Initial Calibration

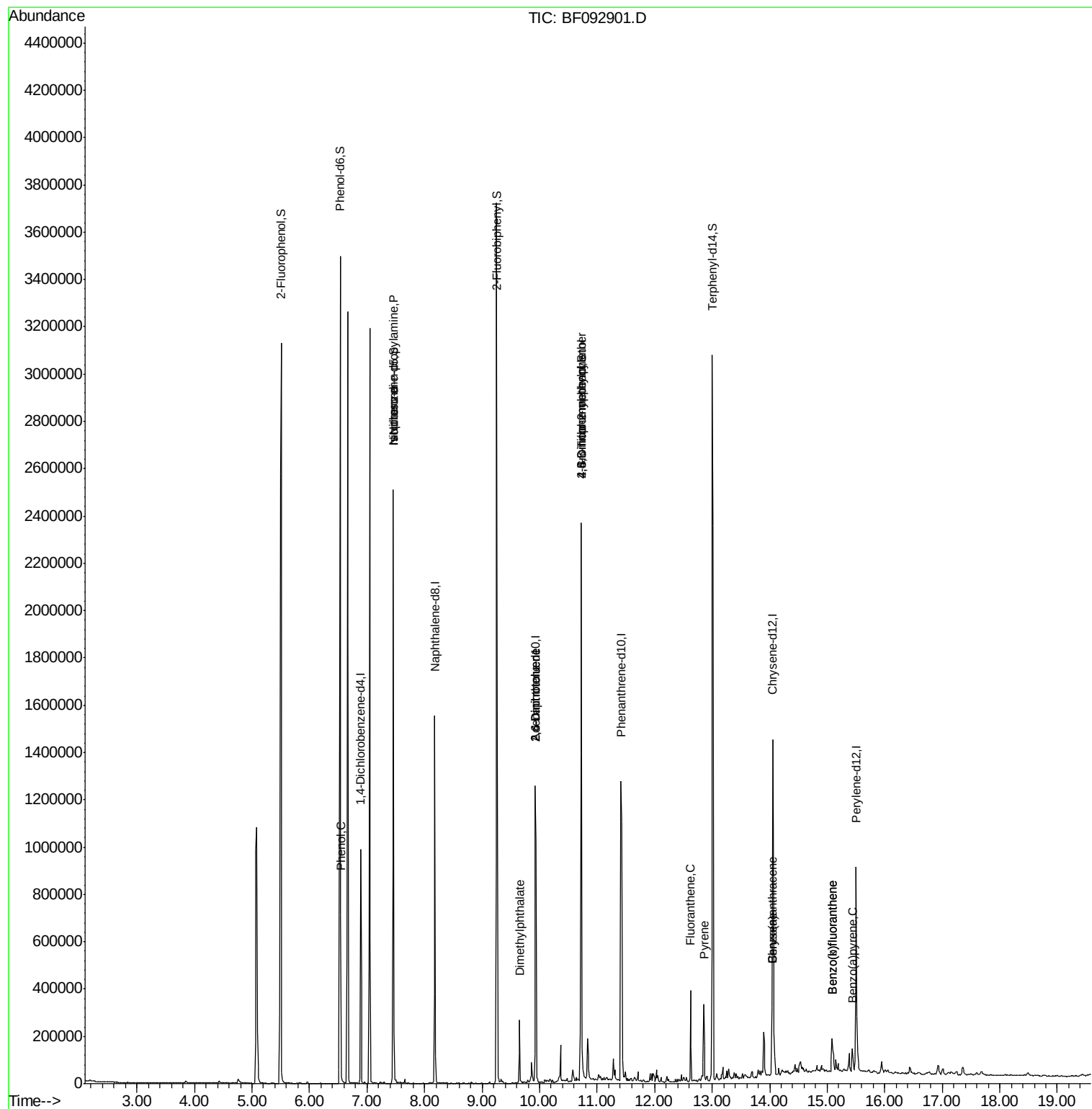
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	163023	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	702071	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	402935	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	682077	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	494566	20.00	ng	-0.01
86) Perylene-d12	15.51	264	381669	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1191540	125.40	ng	0.01
7) Phenol-d6	6.53	99	1302728	106.55	ng	0.00
23) Nitrobenzene-d5	7.46	82	869319	68.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	334428	114.76	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1511264	67.95	ng	-0.01
78) Terphenyl-d14	13.00	244	1383855	65.75	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.54	94	94170	6.58	ng	# 73
19) n-Nitroso-di-n-propylamine	7.46	70	114159	14.67	ng	# 79
25) Isophorone	7.46	82	864321	36.79	ng	# 65
49) Dimethylphthalate	9.65	163	132058	4.87	ng	98
50) 2,6-Dinitrotoluene	9.93	165	51335	8.76	ng	# 31
56) 2,4-Dinitrotoluene	9.93	165	51326	6.58	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.73	198	909	2.88	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	24614	3.45	ng	# 1
74) Fluoranthene	12.63	202	164061	4.07	ng	97
77) Pyrene	12.85	202	151317	4.09	ng	100
80) Benzo(a)anthracene	14.04	228	81902	2.71	ng	98
82) Chrysene	14.04	228	81902	2.89	ng	97
87) Benzo(b)fluoranthene	15.08	252	98608	3.93	ng	98
88) Benzo(k)fluoranthene	15.08	252	98608	4.55	ng	97
89) Benzo(a)pyrene	15.44	252	49854	2.29	ng	96

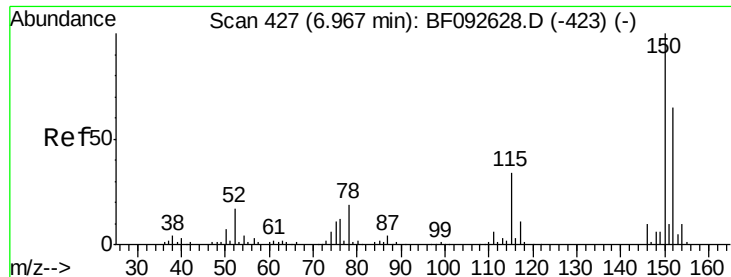
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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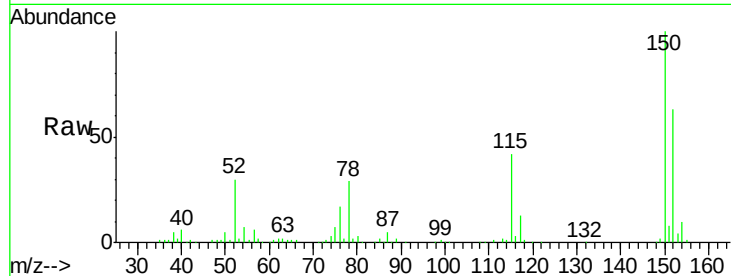


#1

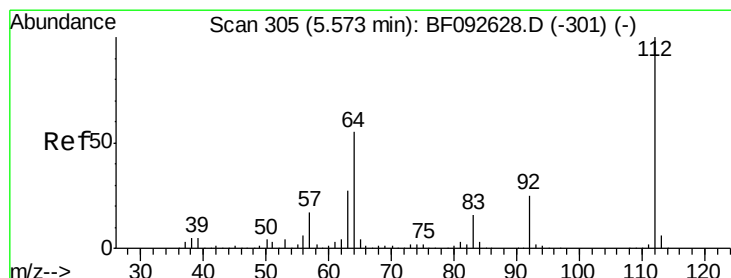
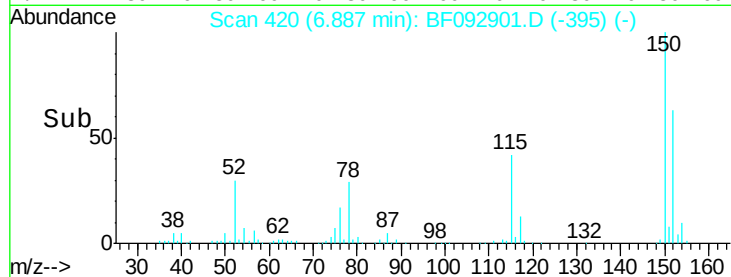
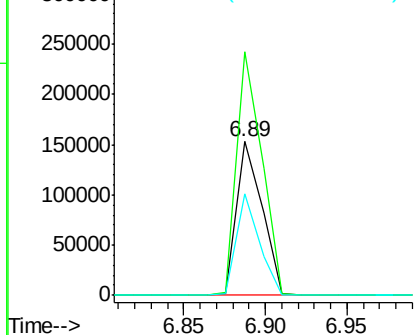
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Instrument :
BNA_F
ClientSampleId :
38-SB-01-0-2

Tgt Ion:152 Resp: 163023
Ion Ratio Lower Upper
152 100
150 158.7 124.9 187.3
115 66.0 46.0 69.0



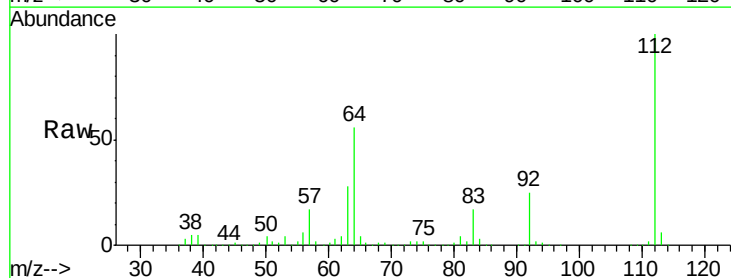
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



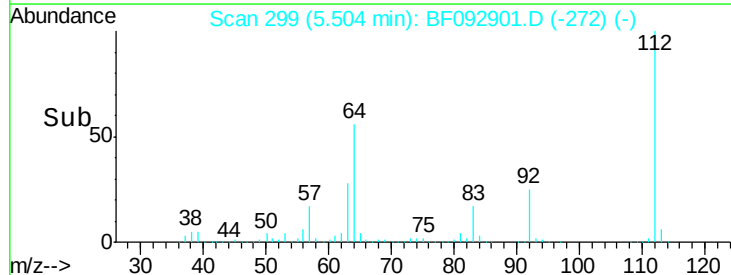
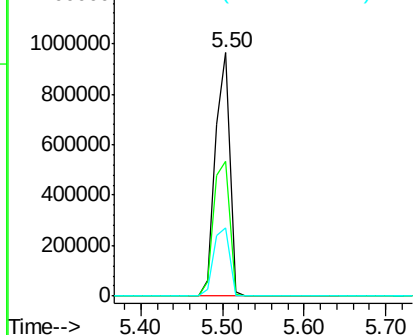
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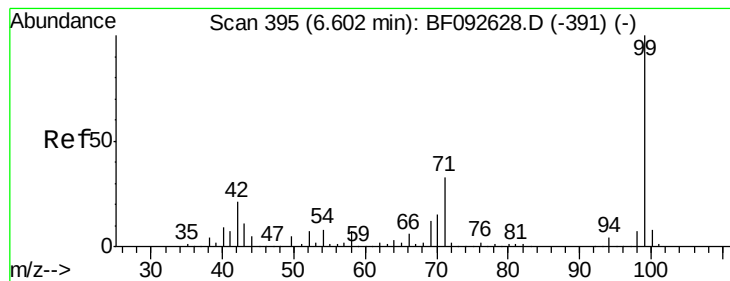
2-Fluorophenol
Concen: 125.40 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.01 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Tgt Ion:112 Resp: 1191540
Ion Ratio Lower Upper
112 100
64 55.5 46.1 69.1
63 27.8 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: 106.55 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

Instrument :

BNA_F

ClientSampleId :

38-SB-01-0-2

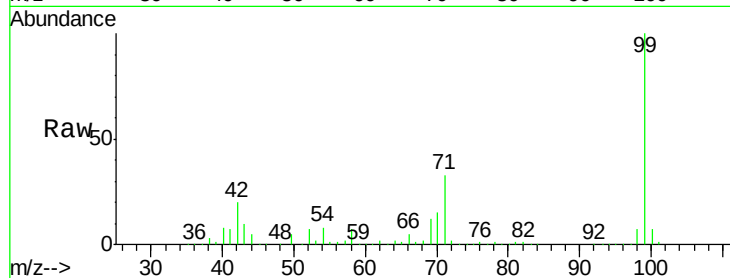
Tgt Ion: 99 Resp: 1302728

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

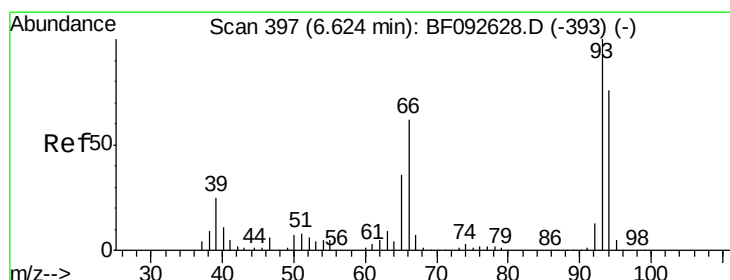
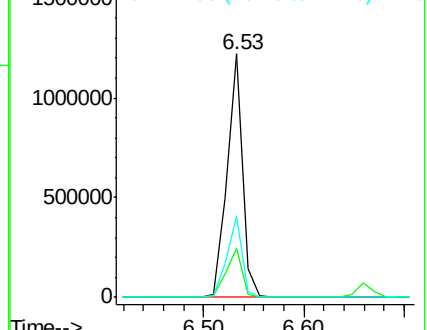
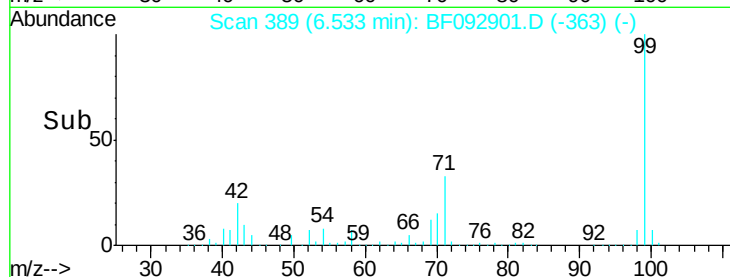
71 33.4 27.5 41.3



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: 6.58 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

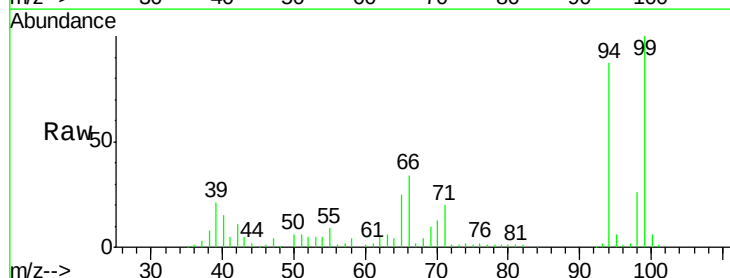
Tgt Ion: 94 Resp: 94170

Ion Ratio Lower Upper

94 100

65 28.7 21.4 61.4

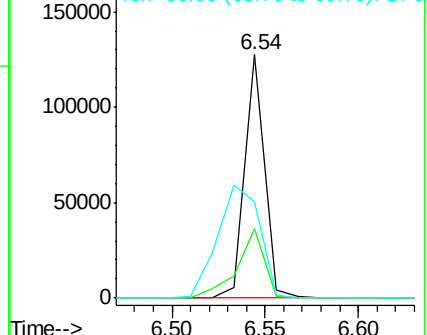
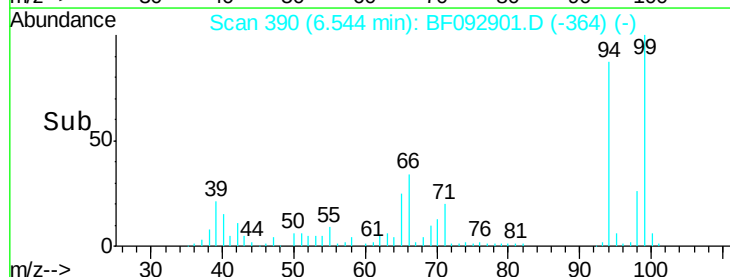
66 39.4 44.0 84.0#

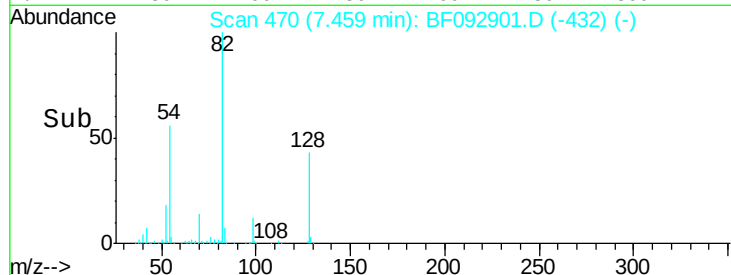
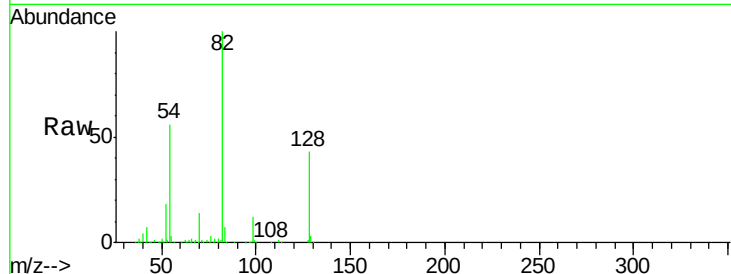
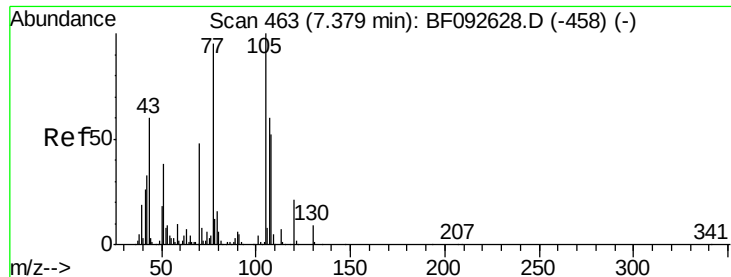


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

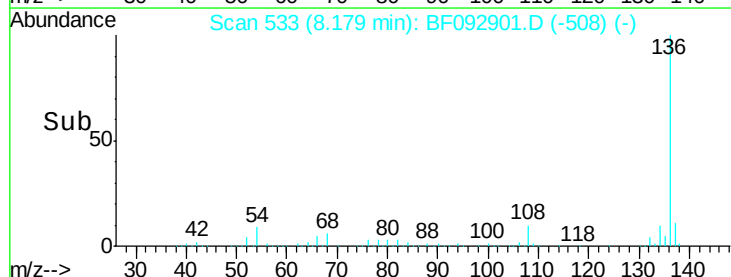
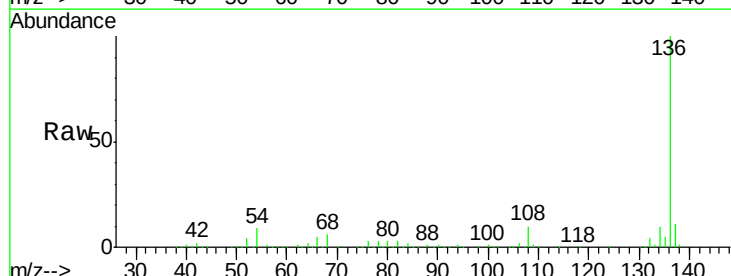
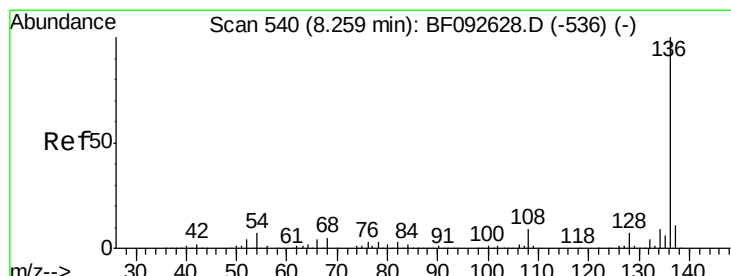
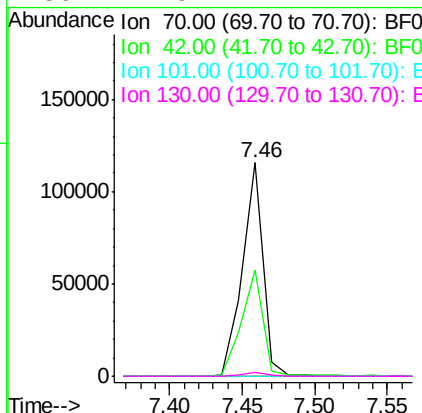




#19
n-Nitroso-di-n-propylamine
Concen: 14.67 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

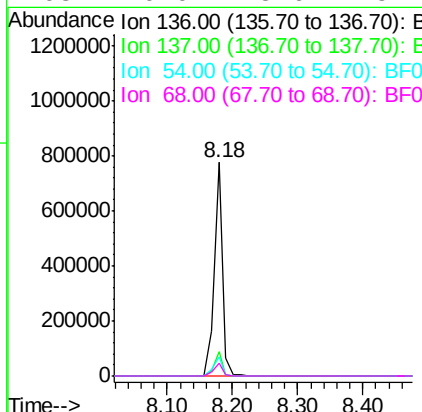
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38-SB-01-0-2

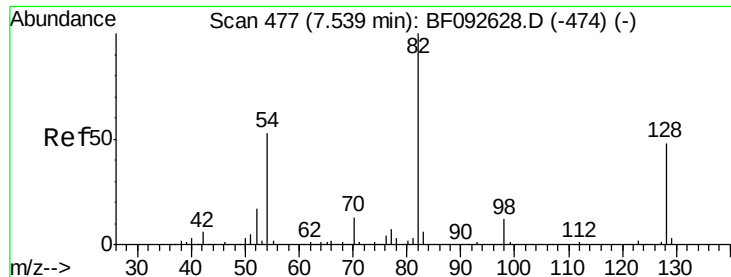
Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.9	49.4	74.0
101	0.0	7.4	11.2#
130	1.9	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.2	4.5	6.7#
68	6.0	3.6	5.4#

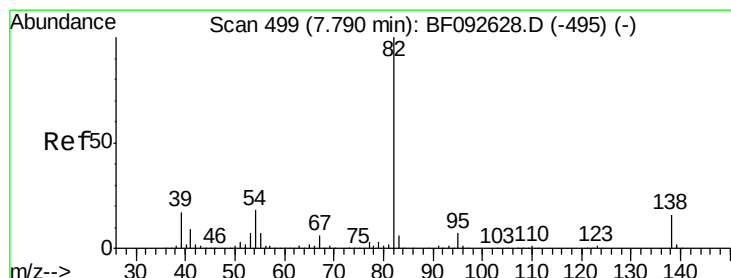
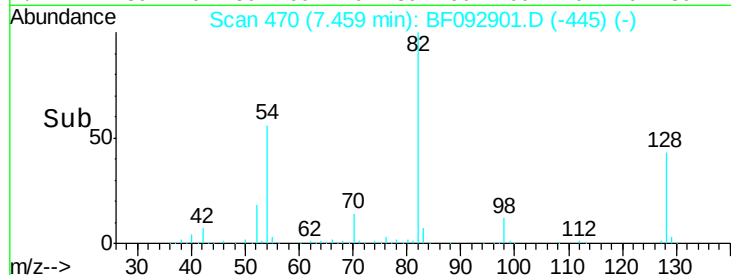
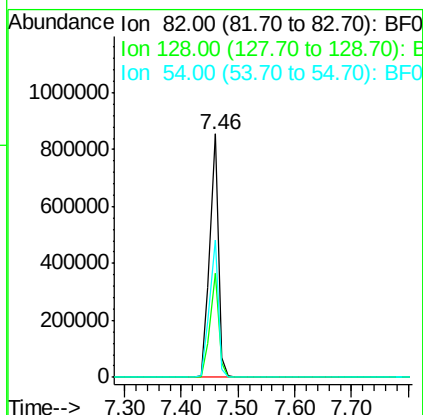
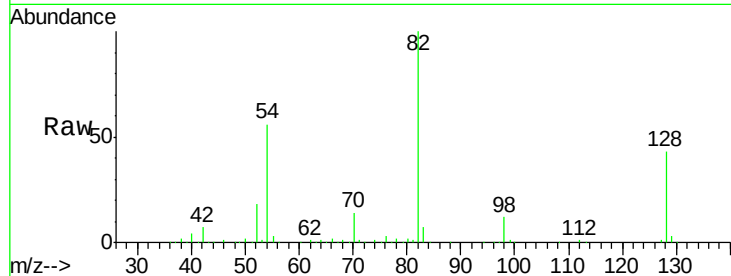




#23
 Nitrobenzene-d5
 Concen: 68.95 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF092901.D
 Acq: 10 Feb 2017 23:34

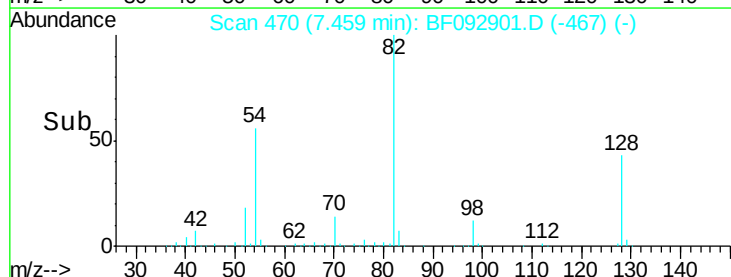
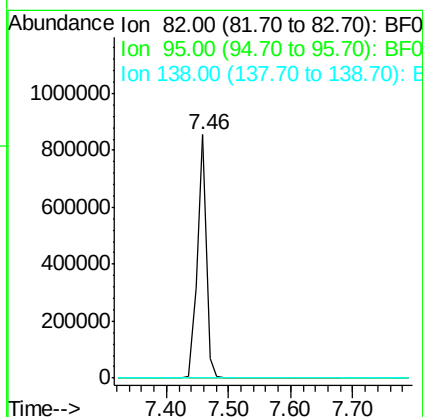
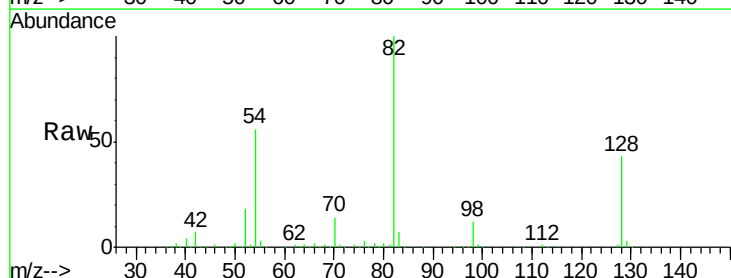
Instrument :
 BNA_F
 ClientSampleId :
 38-SB-01-0-2

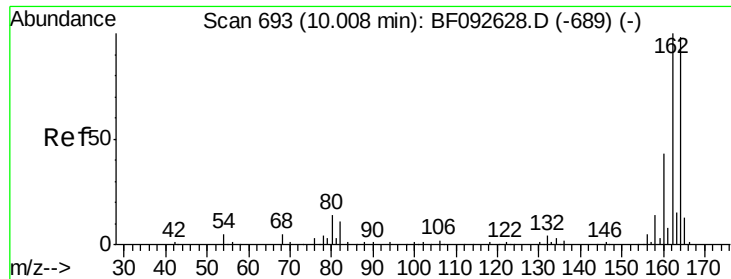
Tgt Ion: 82 Resp: 869319
 Ion Ratio Lower Upper
 82 100
 128 42.6 34.6 52.0
 54 56.4 39.5 59.3



#25
 Isophorone
 Concen: 36.79 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.26 min
 Lab File: BF092901.D
 Acq: 10 Feb 2017 23:34

Tgt Ion: 82 Resp: 864321
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

Instrument :

BNA_F

ClientSampleId :

38-SB-01-0-2

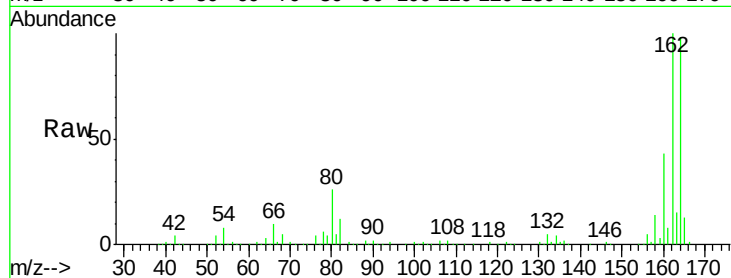
Tgt Ion:164 Resp: 402935

Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.2

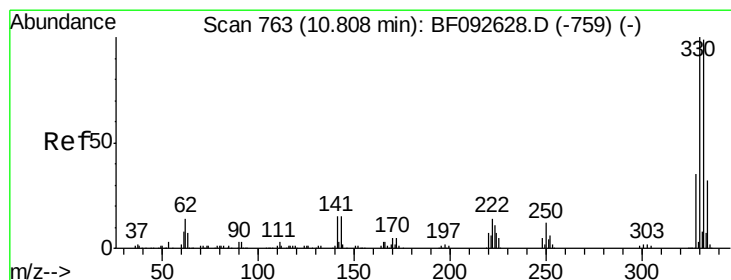
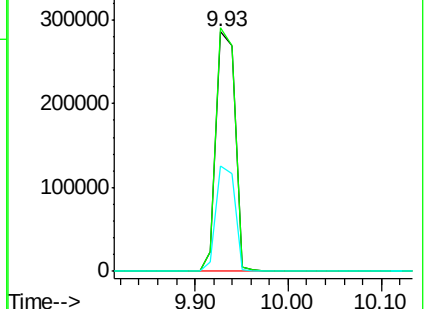
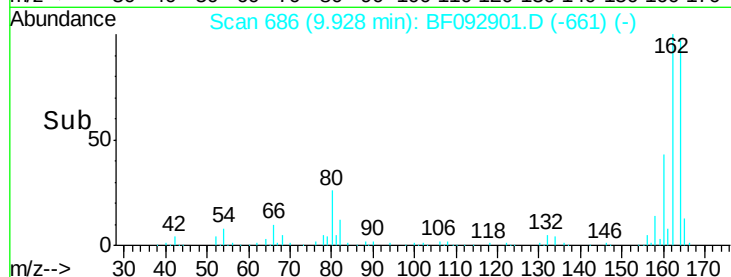
160 43.8 36.9 55.3



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: 114.76 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

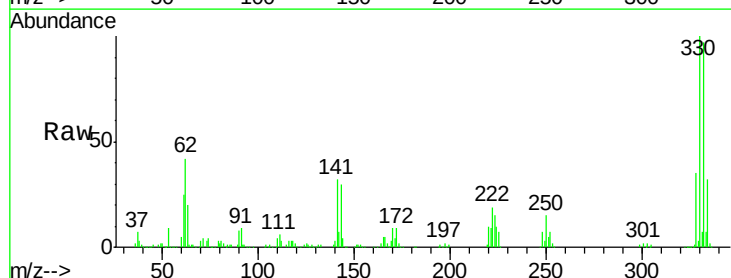
Tgt Ion:330 Resp: 334428

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

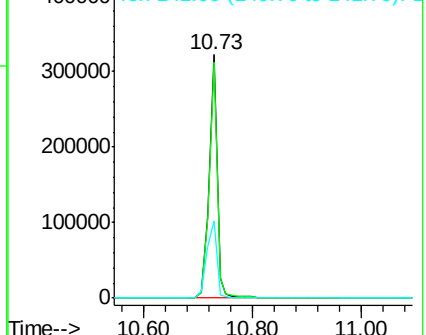
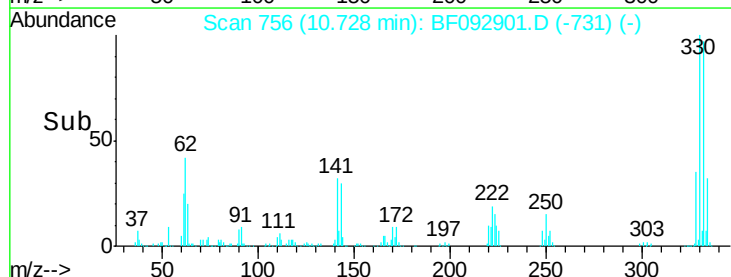
141 38.7 34.1 51.1

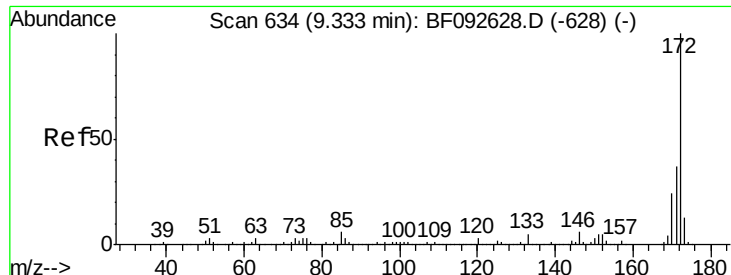


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

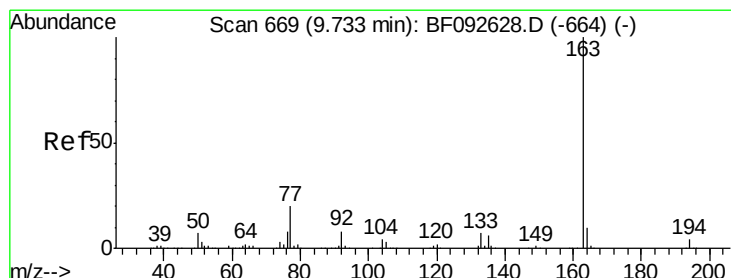
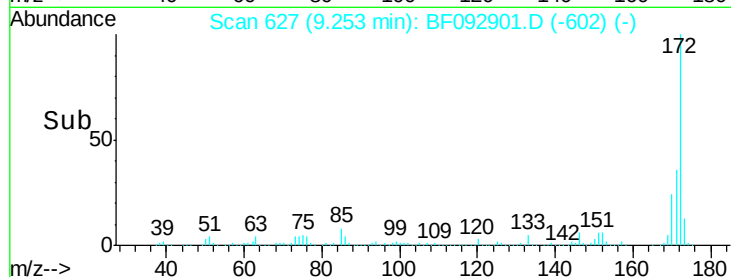
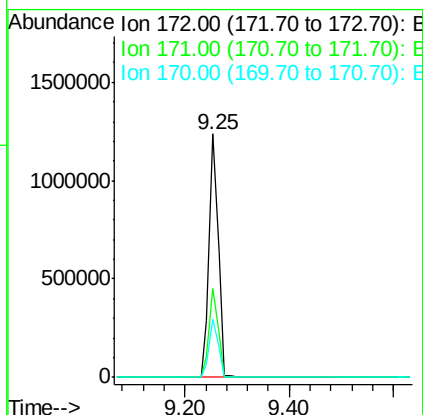
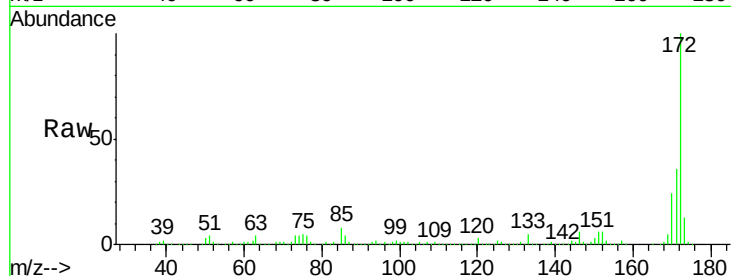




#44
 2-Fluorobiphenyl
 Concen: 67.95 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF092901.D
 Acq: 10 Feb 2017 23:34

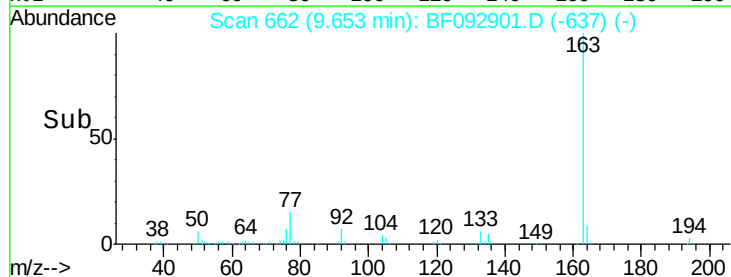
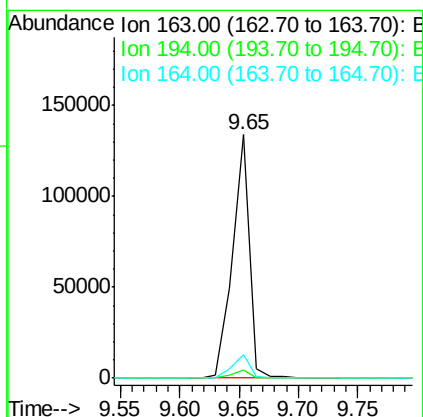
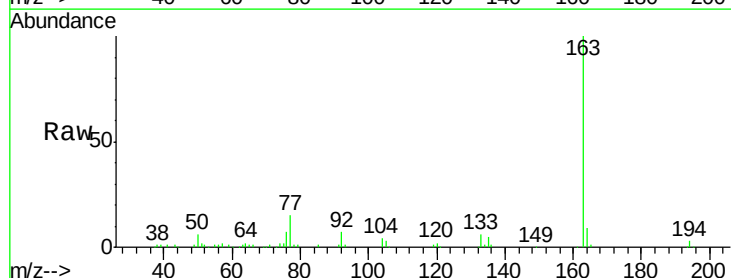
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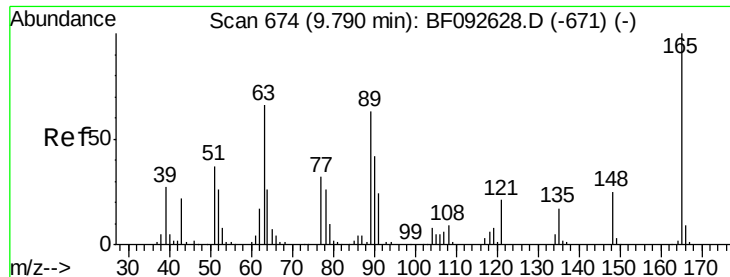
Tgt Ion:172 Resp: 1511264
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.0 20.2 30.4



#49
 Dimethylphthalate
 Concen: 4.87 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF092901.D
 Acq: 10 Feb 2017 23:34

Tgt Ion:163 Resp: 132058
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.4
 164 9.4 8.0 12.0

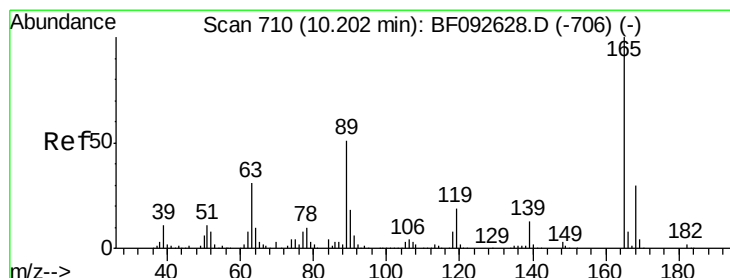
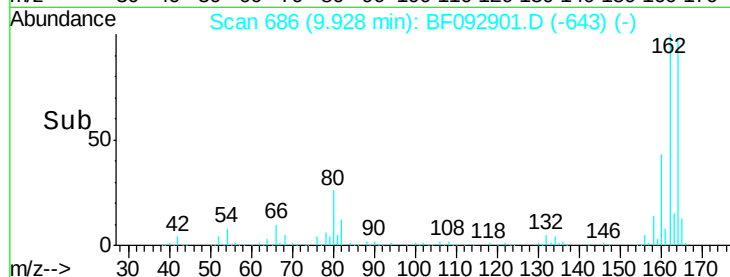
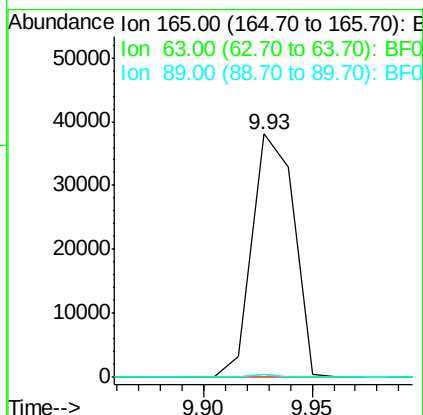
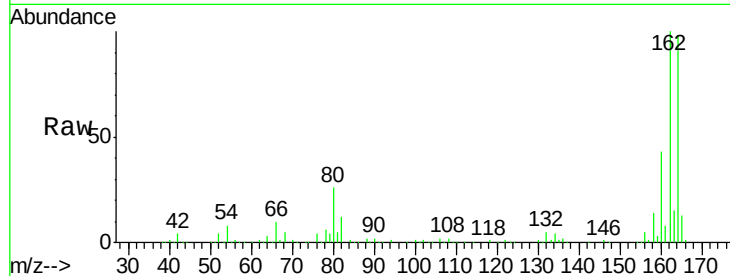




#50
 2,6-Dinitrotoluene
 Concen: 8.76 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.19 min
 Lab File: BF092901.D
 Acq: 10 Feb 2017 23:34

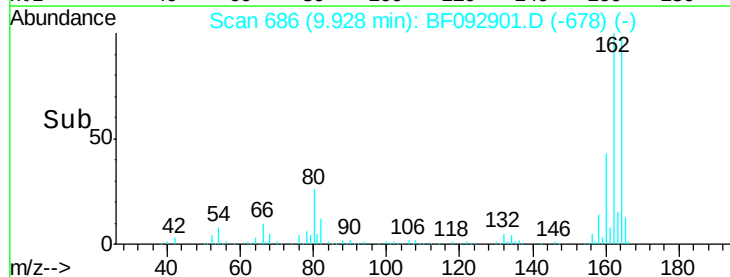
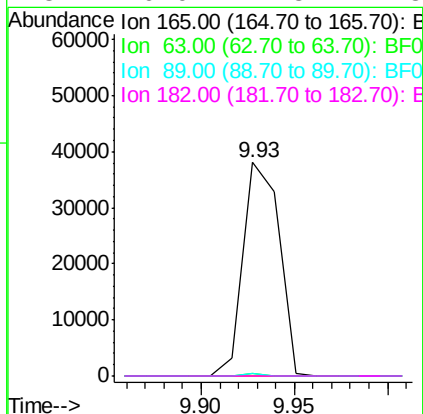
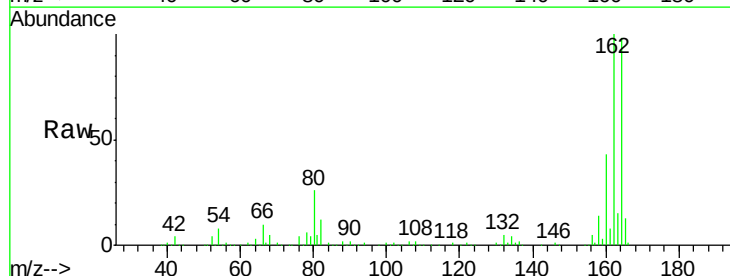
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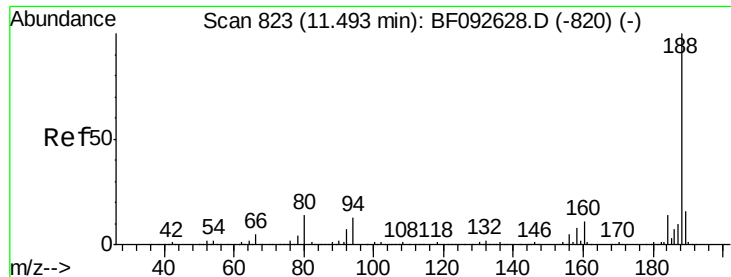
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.2	54.4#
89	1.1	40.2	60.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.58 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.21 min
 Lab File: BF092901.D
 Acq: 10 Feb 2017 23:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

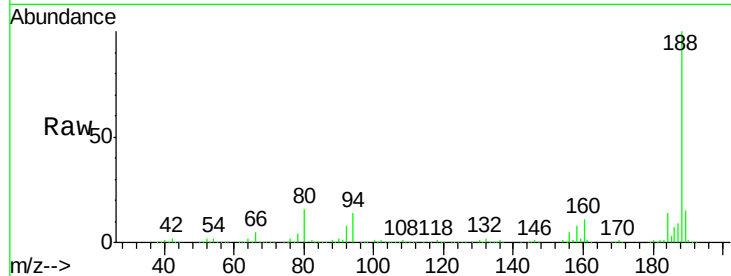




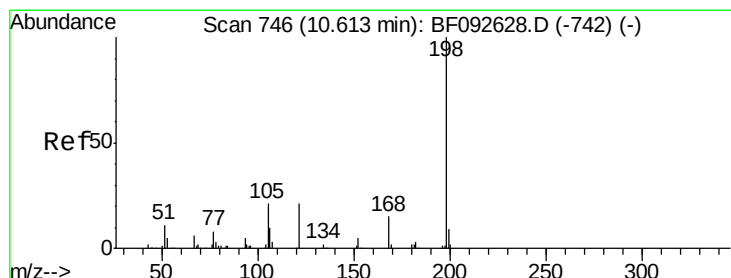
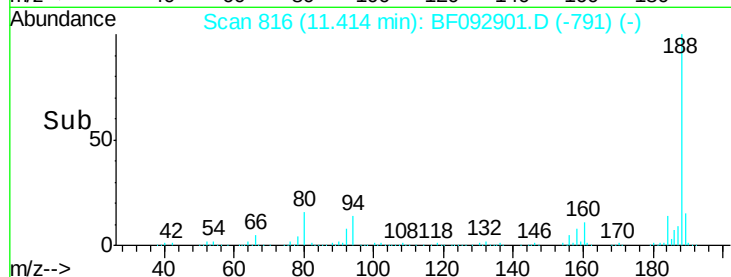
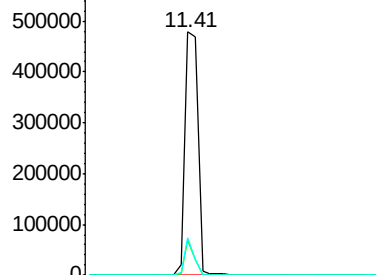
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Instrument :
BNA_F
ClientSampleId :
38-SB-01-0-2

Tgt Ion:188 Resp: 682077
Ion Ratio Lower Upper
188 100
94 14.5 10.0 15.0
80 15.7 11.2 16.8

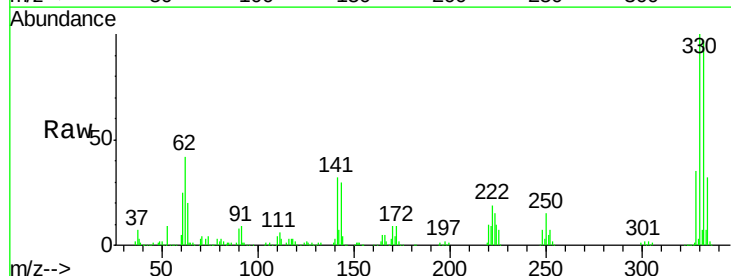


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

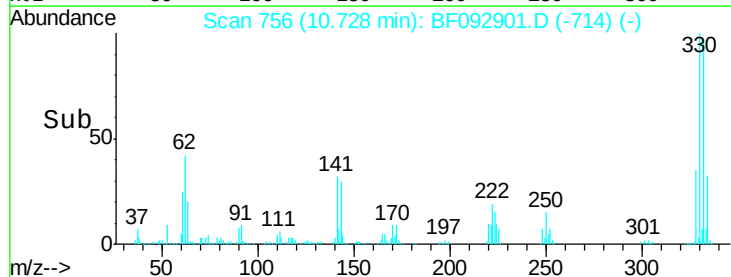
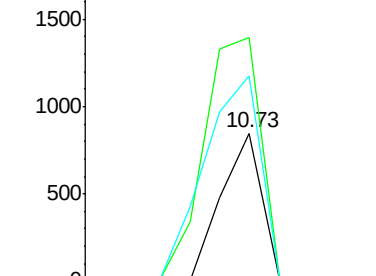


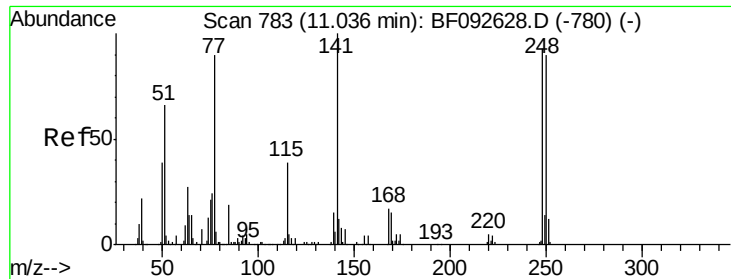
#64
4,6-Dinitro-2-methylphenol
Concen: 2.88 ng
RT: 10.73 min Scan# 756
Delta R.T. 0.18 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Tgt Ion:198 Resp: 909
Ion Ratio Lower Upper
198 100
51 164.5 6.7 46.7#
105 139.0 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

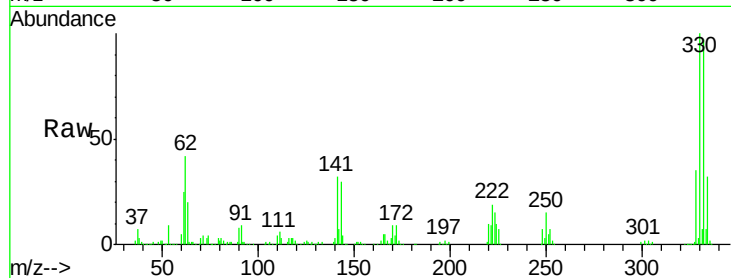




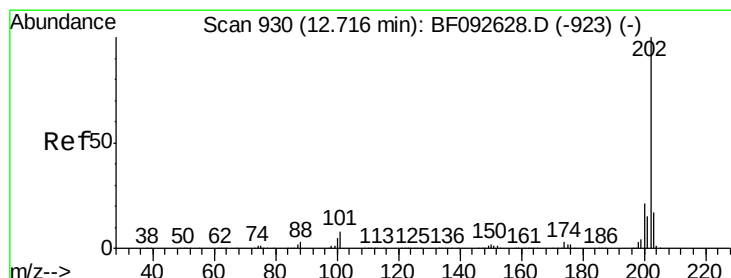
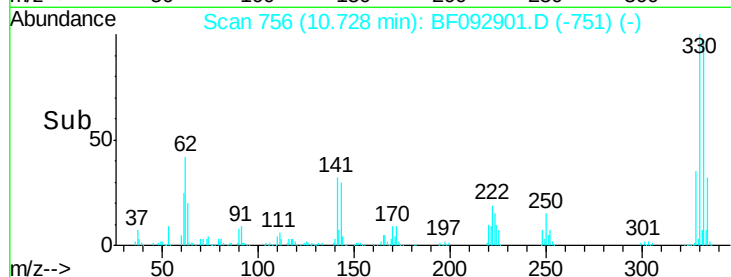
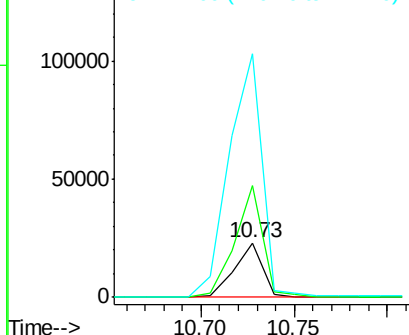
#66
4-Bromophenyl-phenylether
Concen: 3.45 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.24 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Instrument :
BNA_F
ClientSampleId :
38-SB-01-0-2

Tgt Ion:248 Resp: 24614
Ion Ratio Lower Upper
248 100
250 203.1 76.9 115.3#
141 444.5 68.2 102.4#

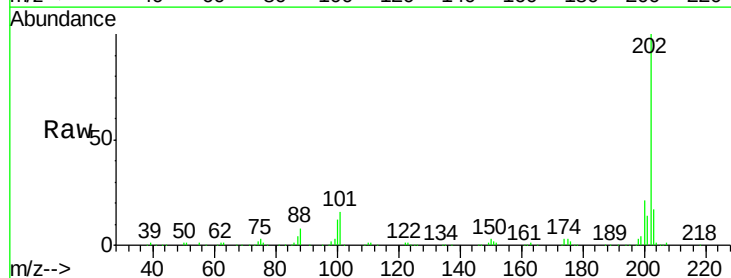


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

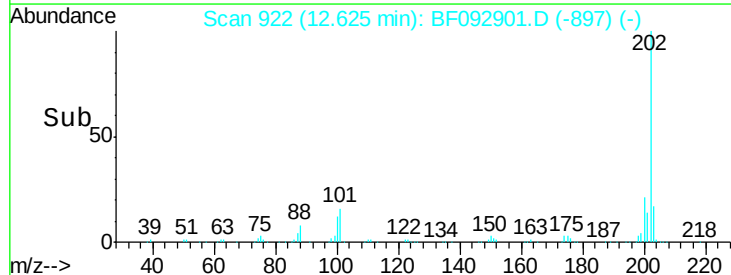
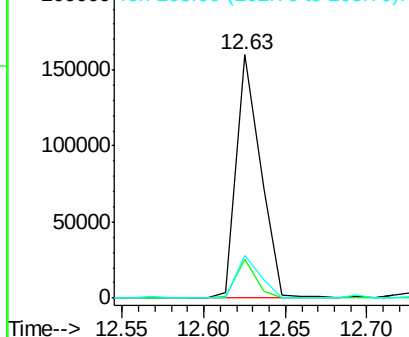


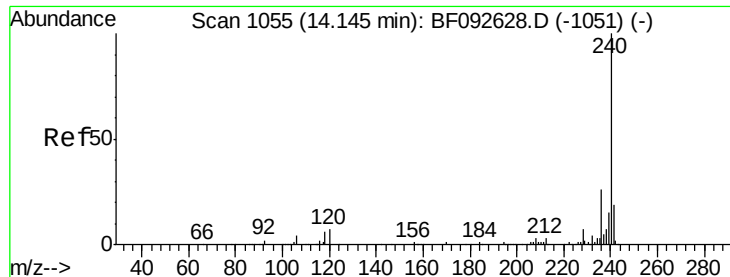
#74
Fluoranthene
Concen: 4.07 ng
RT: 12.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Tgt Ion:202 Resp: 164061
Ion Ratio Lower Upper
202 100
101 15.8 0.0 34.6
203 17.4 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

Instrument :

BNA_F

ClientSampleId :

38-SB-01-0-2

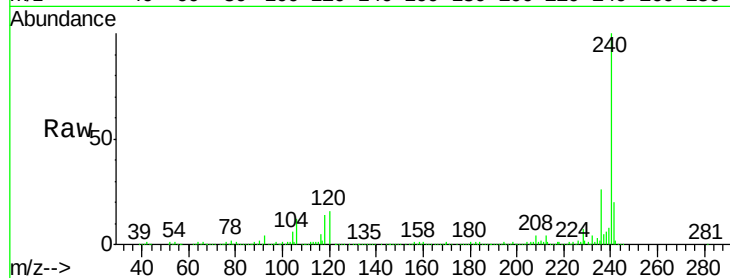
Tgt Ion:240 Resp: 494566

Ion Ratio Lower Upper

240 100

120 16.2 12.9 19.3

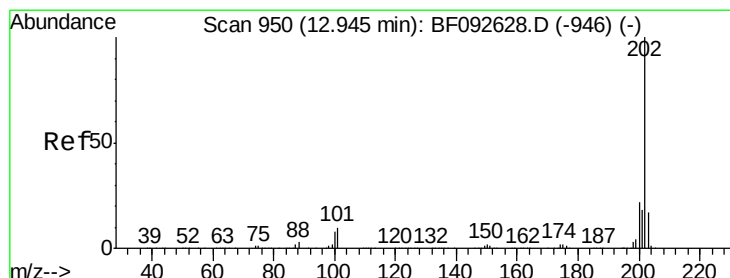
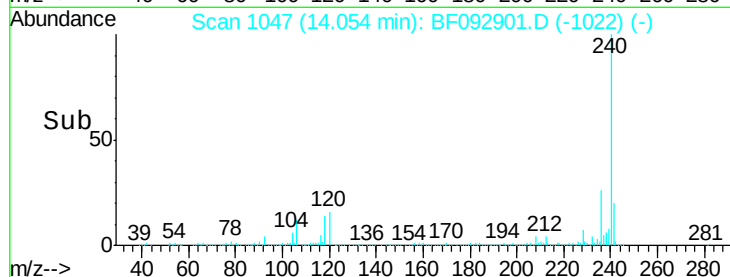
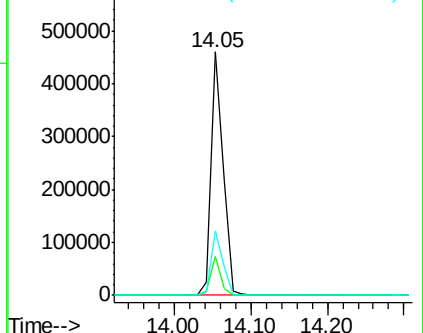
236 26.3 20.9 31.3



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



#77

Pyrene

Concen: 4.09 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

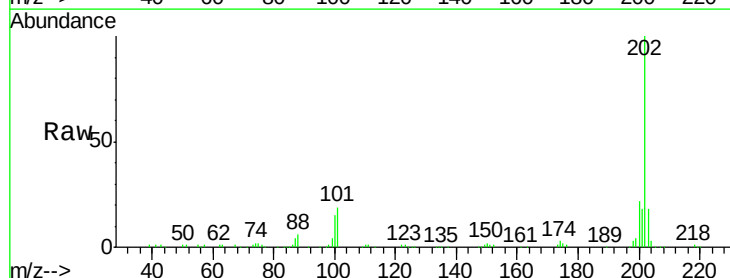
Tgt Ion:202 Resp: 151317

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

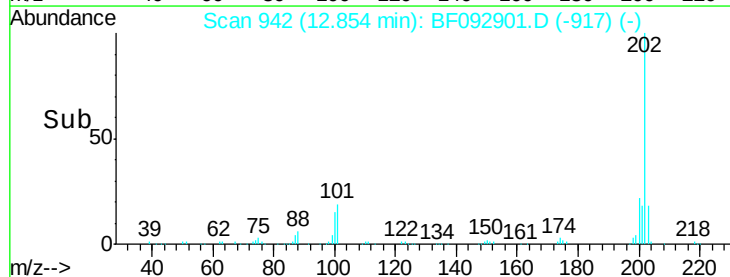
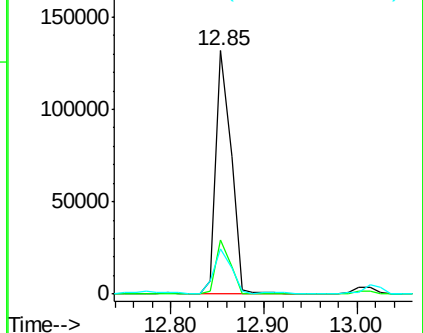
203 18.3 14.7 22.1

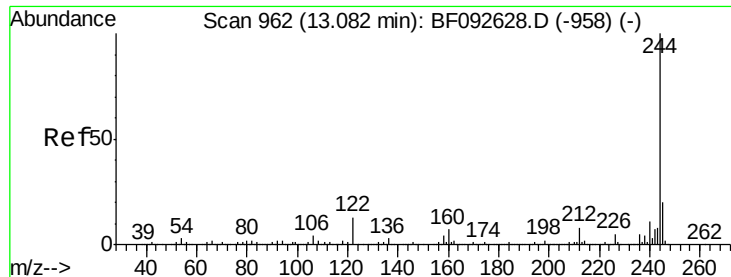


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.75 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

Instrument :

BNA_F

ClientSampleId :

38-SB-01-0-2

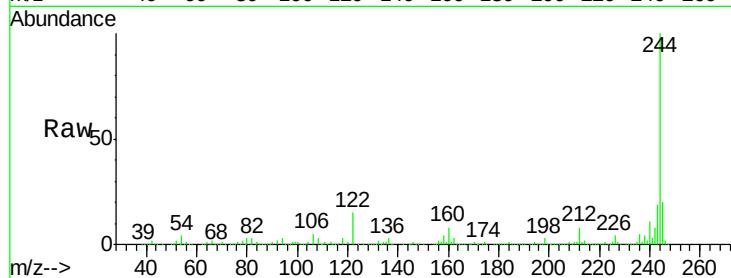
Tgt Ion:244 Resp: 1383855

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

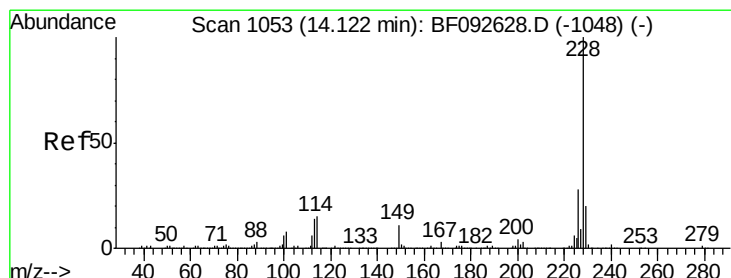
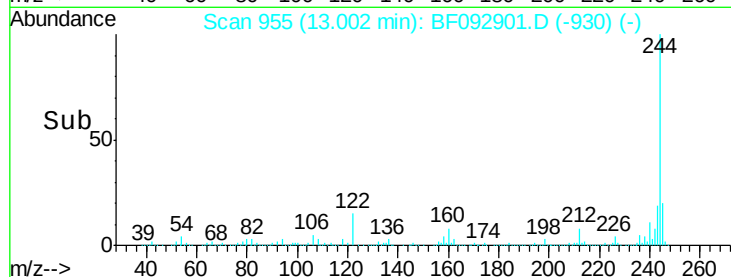
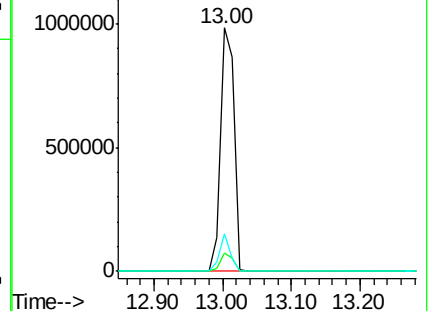
122 15.2 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 2.71 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

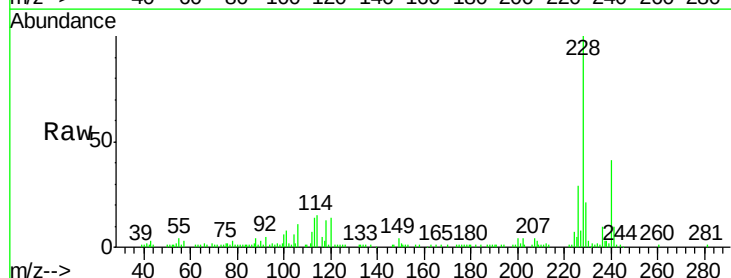
Tgt Ion:228 Resp: 81902

Ion Ratio Lower Upper

228 100

226 29.2 22.4 33.6

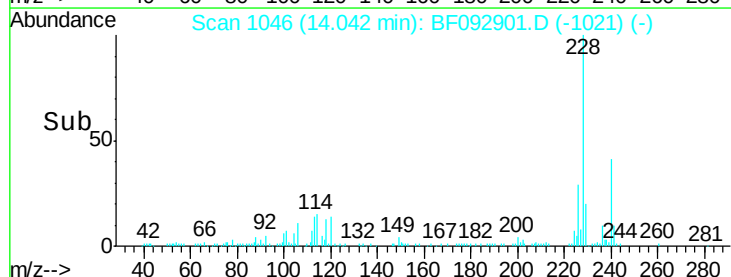
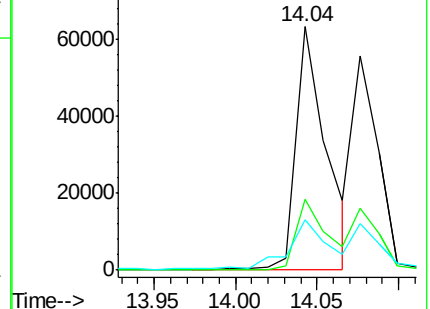
229 20.9 16.2 24.4

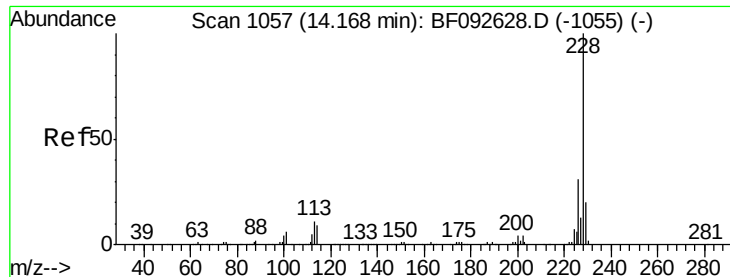


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.89 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.05 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

Instrument :

BNA_F

ClientSampleId :

38-SB-01-0-2

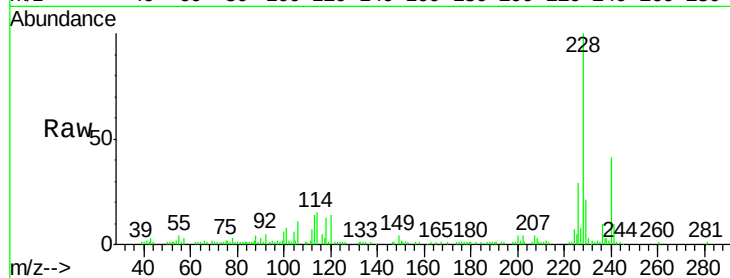
Tgt Ion:228 Resp: 81902

Ion Ratio Lower Upper

228 100

226 29.2 25.4 38.0

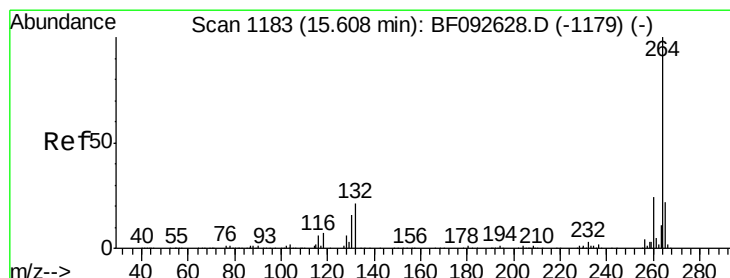
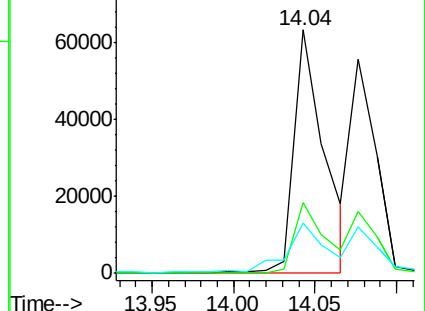
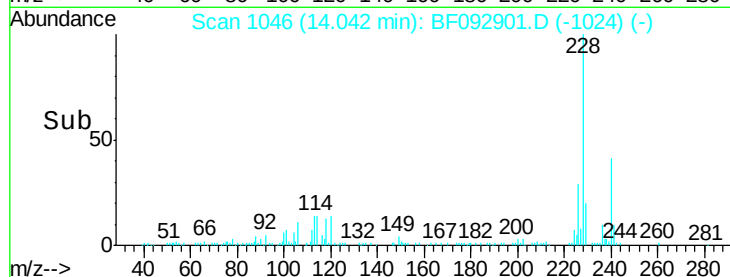
229 20.9 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF092901.D

Acq: 10 Feb 2017 23:34

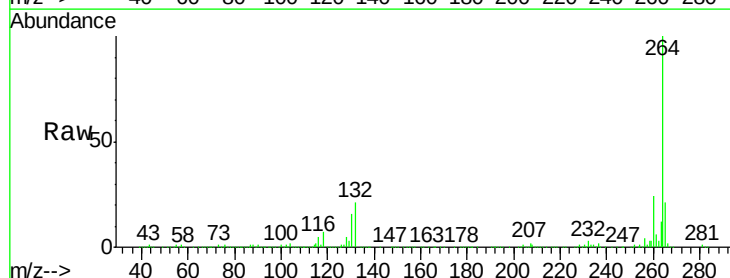
Tgt Ion:264 Resp: 381669

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

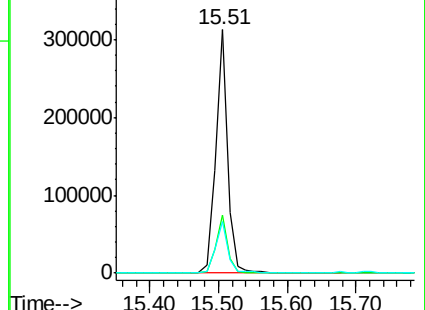
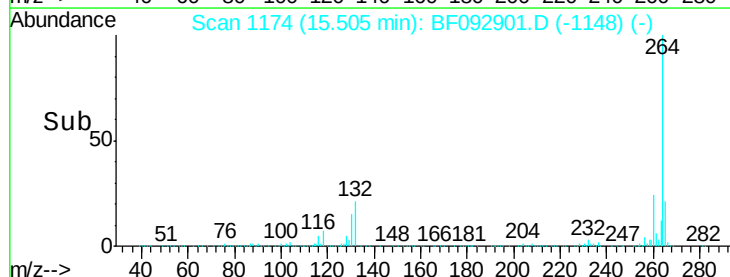
265 21.5 17.4 26.0

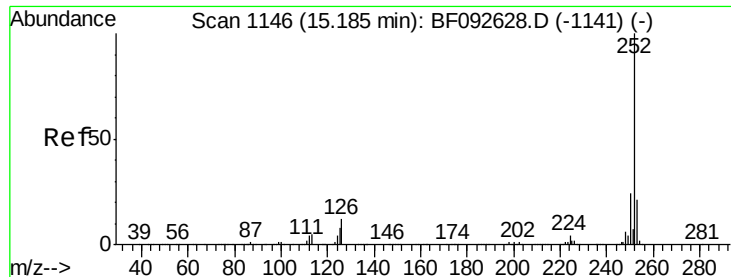


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

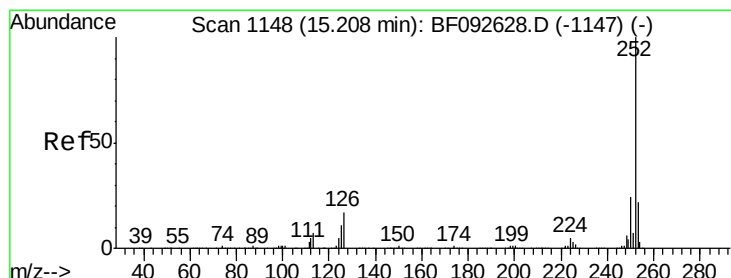
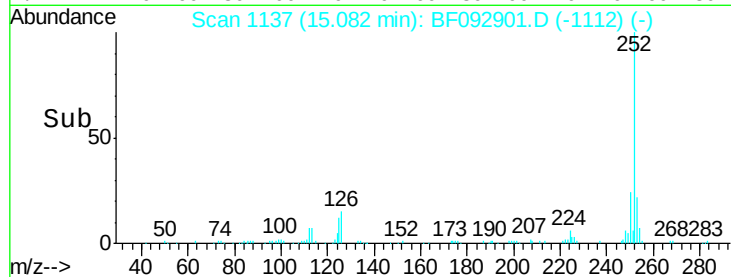
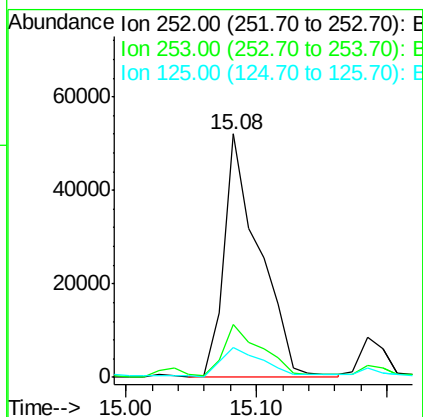
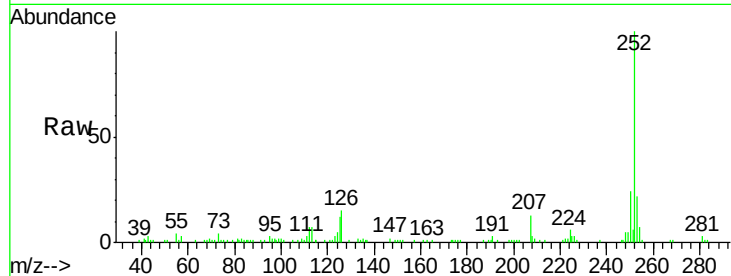




#87
Benzo(b)fluoranthene
Concen: 3.93 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

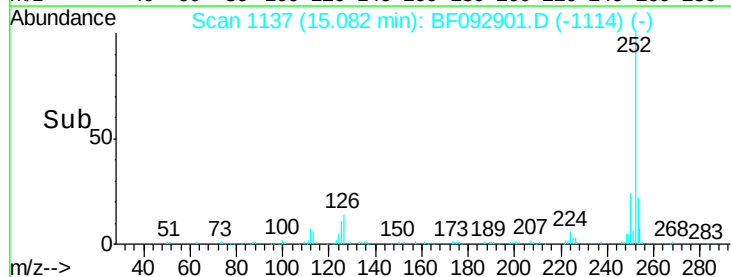
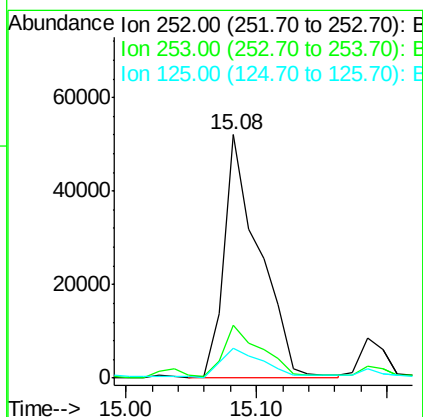
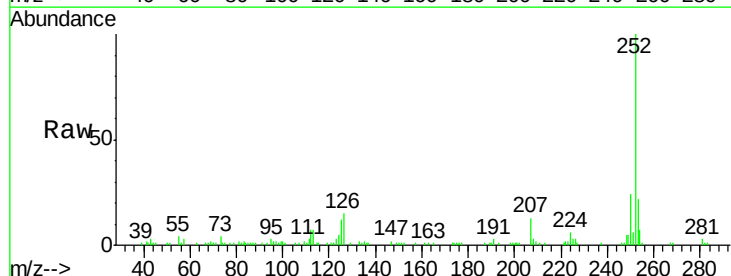
Instrument :
BNA_F
ClientSampleId :
38-SB-01-0-2

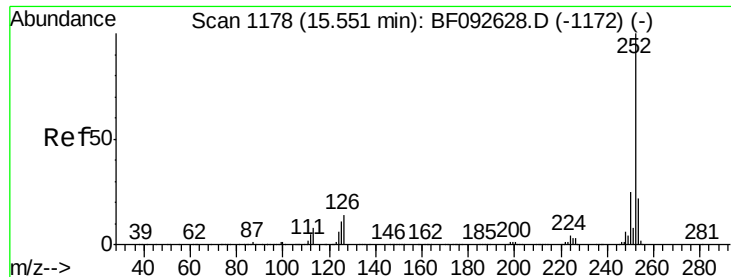
Tgt Ion:252 Resp: 98608
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.4
125 12.2 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 4.55 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF092901.D
Acq: 10 Feb 2017 23:34

Tgt Ion:252 Resp: 98608
Ion Ratio Lower Upper
252 100
253 21.7 18.5 27.7
125 12.2 8.9 13.3





#89

Benzo(a)pyrene

Concen: 2.29 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF092901.D

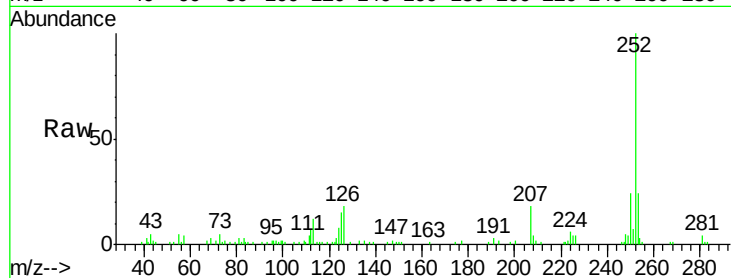
Acq: 10 Feb 2017 23:34

Instrument :

BNA_F

ClientSampleId :

38-SB-01-0-2



Tgt Ion:	252	Resp:	49854
Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	14.7	10.0	15.0

