

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021517\
 Data File : BF092966.D
 Acq On : 15 Feb 2017 22:15
 Operator : SJ/MA
 Sample : I1816-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:33:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

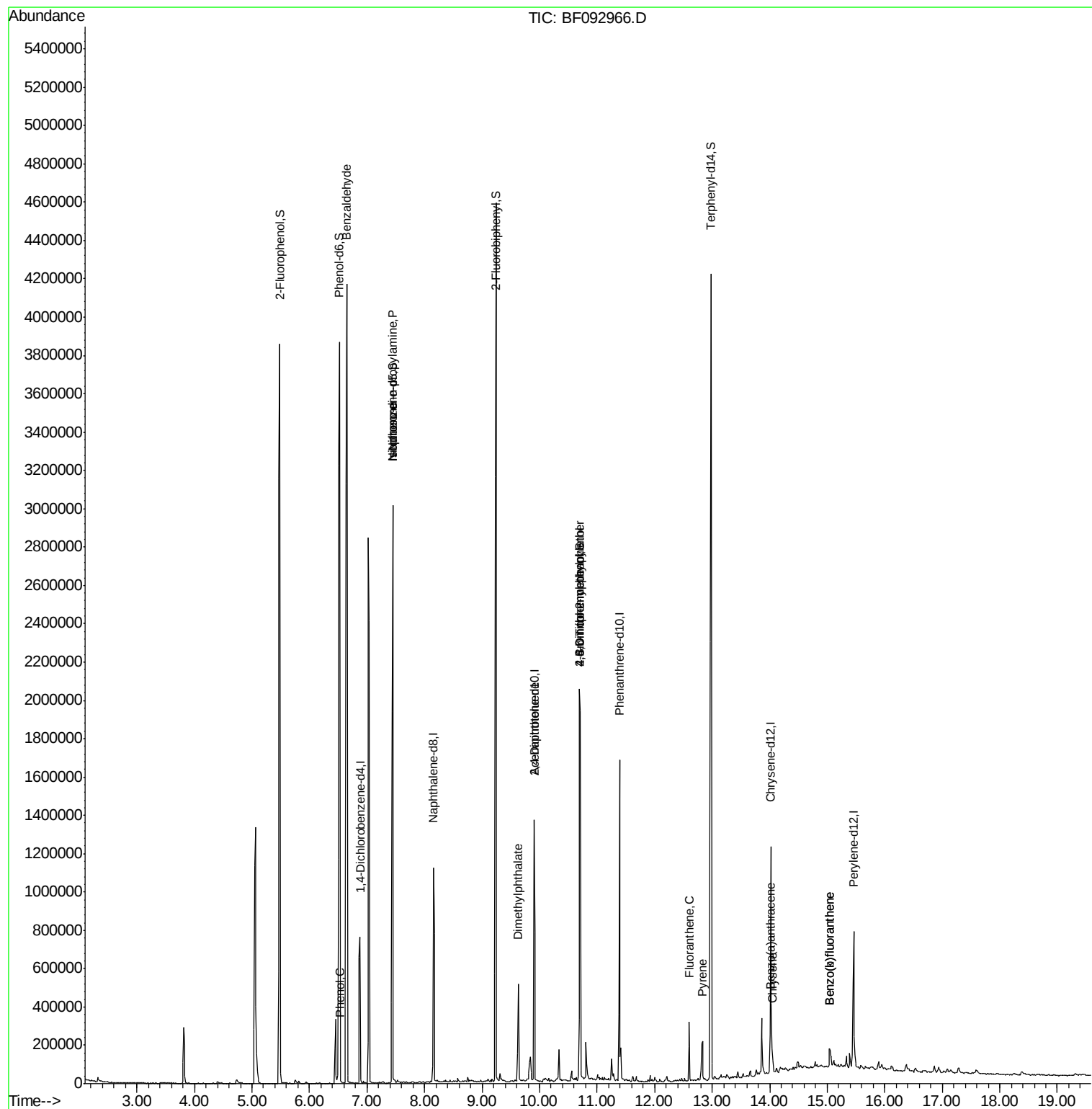
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	165788	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	664854	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	361210	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	581466	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	378558	20.00	ng	-0.03
86) Perylene-d12	15.46	264	329230	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1492269	154.42	ng	0.00
7) Phenol-d6	6.52	99	2001998	161.01	ng	-0.01
23) Nitrobenzene-d5	7.45	82	1267775	106.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	393018	150.44	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1971455	98.88	ng	0.00
78) Terphenyl-d14	12.98	244	1495458	92.82	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.65	77	32809	3.68	ng	Qvalue 84
10) Phenol	6.53	94	32952	2.27	ng	# 60
19) n-Nitroso-di-n-propylamine	7.45	70	167651	21.18	ng	# 79
25) Isophorone	7.45	82	1167493	52.48	ng	# 65
49) Dimethylphthalate	9.63	163	207666	8.54	ng	100
56) 2,4-Dinitrotoluene	9.90	165	45959	6.57	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.70	198	839	2.89	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	27734	4.57	ng	# 1
74) Fluoranthene	12.60	202	153487	4.47	ng	92
77) Pyrene	12.83	202	122031	4.31	ng	97
80) Benzo(a)anthracene	14.01	228	48837	2.11	ng	99
82) Chrysene	14.04	228	44116	2.04	ng	96
87) Benzo(b)fluoranthene	15.05	252	75645	3.49	ng	# 95
88) Benzo(k)fluoranthene	15.05	252	75645	4.04	ng	# 95

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

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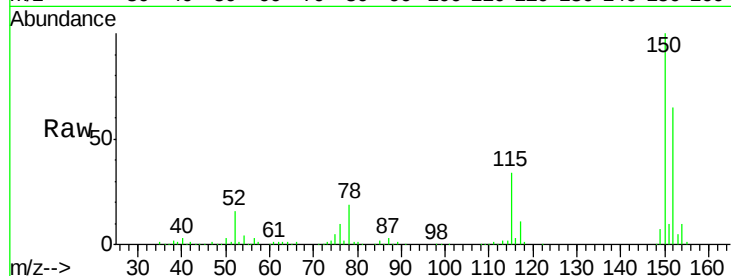




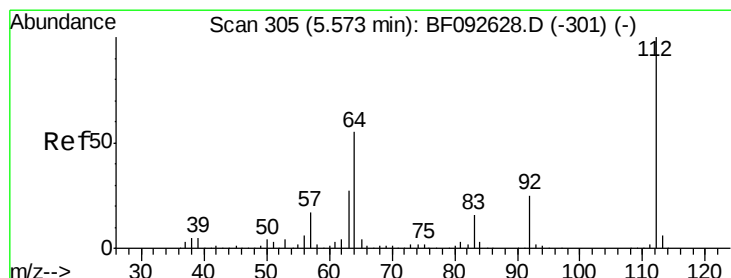
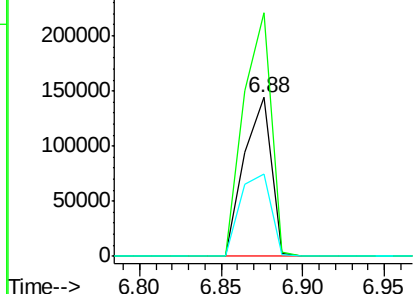
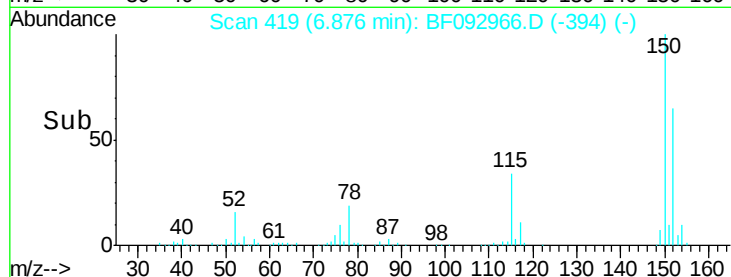
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BF092966.D
 Acq: 15 Feb 2017 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 165788
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.9 187.3
 115 52.2 46.0 69.0

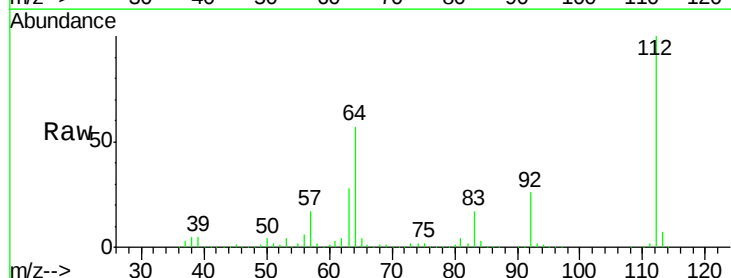


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

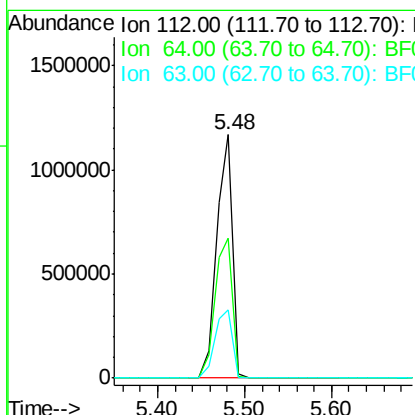
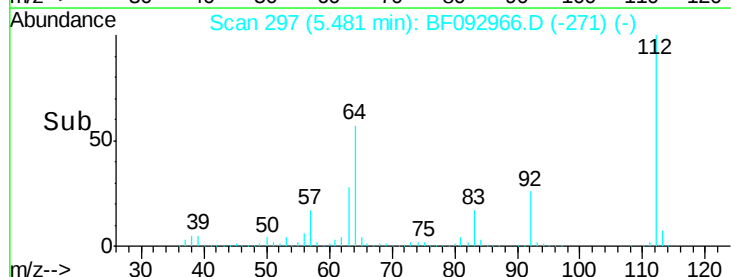


#5
 2-Fluorophenol
 Concen: 154.42 ng
 RT: 5.48 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: BF092966.D
 Acq: 15 Feb 2017 22:15

Tgt Ion:112 Resp: 1492269
 Ion Ratio Lower Upper
 112 100
 64 57.5 46.1 69.1
 63 28.2 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: 161.01 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

ClientSampleId :

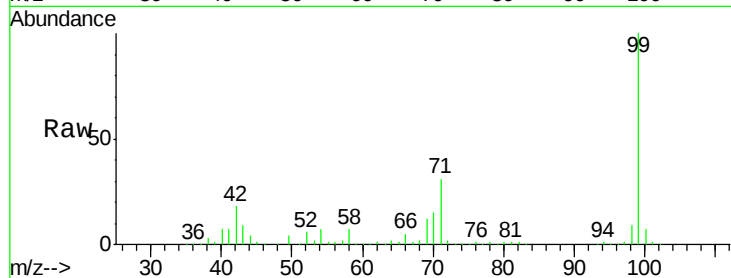
Tot Ion: 99 Resp: 2001998

Ion Ratio Lower Upper

99 100

42 17.7 15.6 23.4

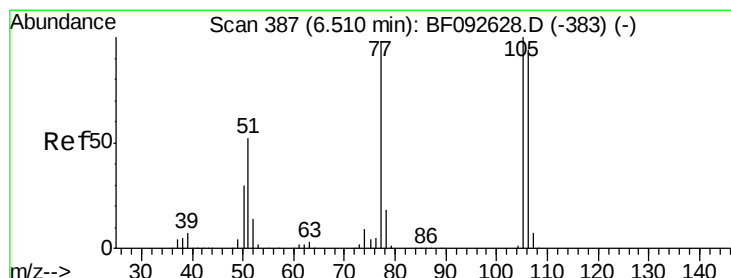
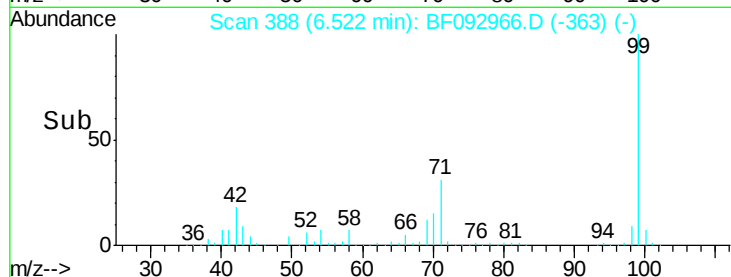
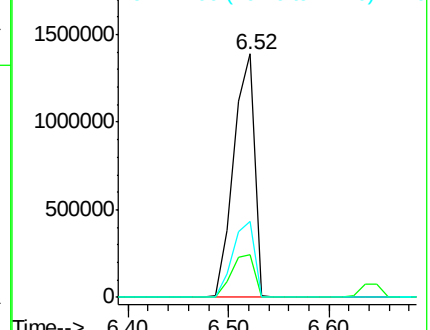
71 31.2 27.5 41.3



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: 3.68 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.22 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

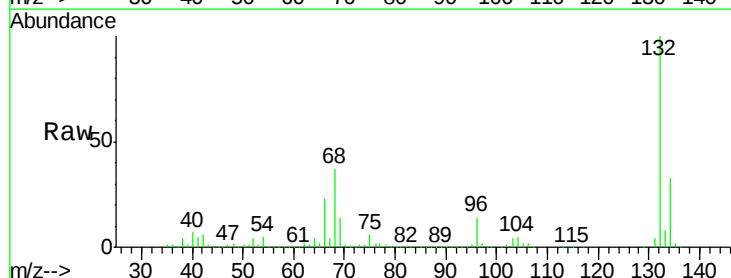
Tgt Ion: 77 Resp: 32809

Ion Ratio Lower Upper

77 100

105 85.6 83.9 123.9

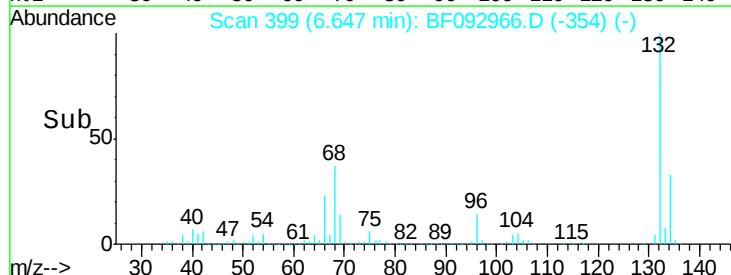
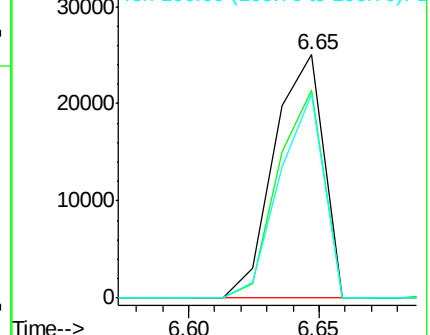
106 83.6 77.6 117.6

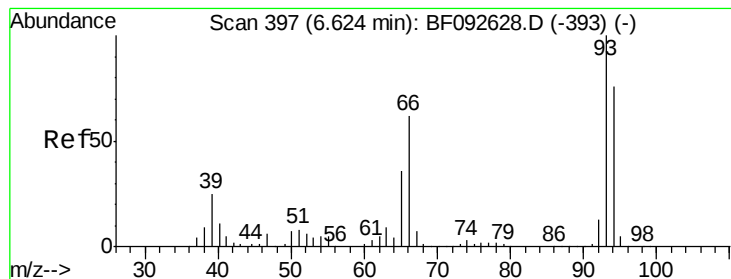


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.27 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

ClientSampled :

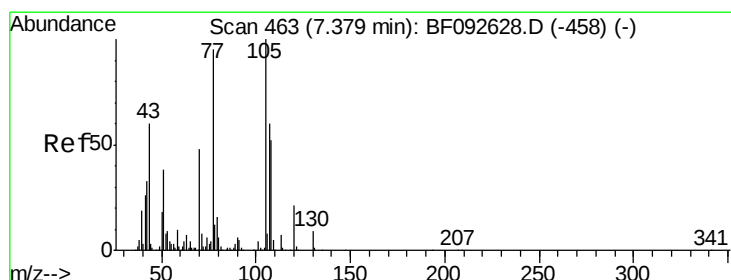
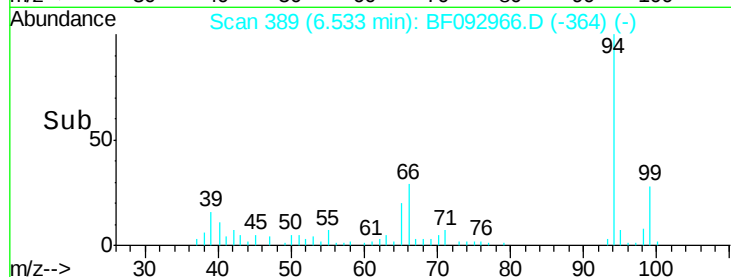
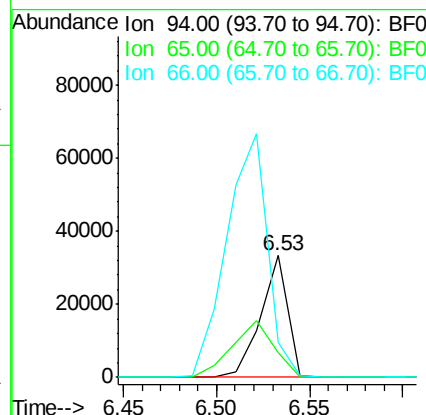
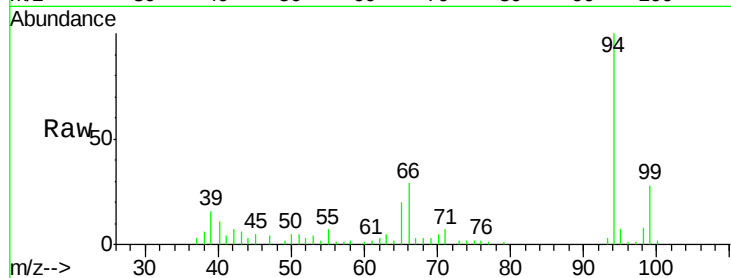
Tot Ion: 94 Resp: 32952

Ion Ratio Lower Upper

94 100

65 20.3 21.4 61.4#

66 28.9 44.0 84.0#



#19

n-Nitroso-di-n-propylamine

Concen: 21.18 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Tgt Ion: 70 Resp: 167651

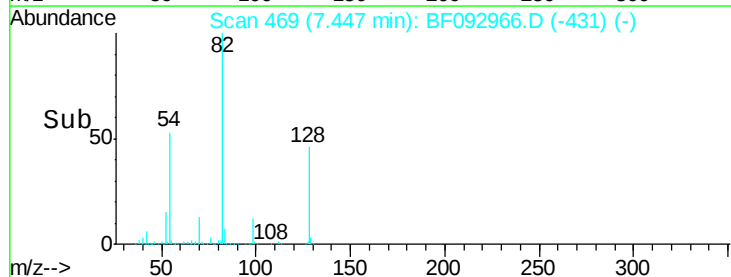
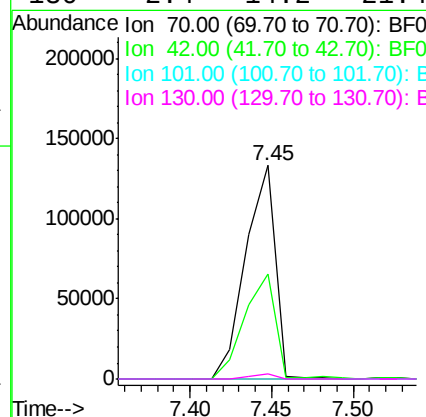
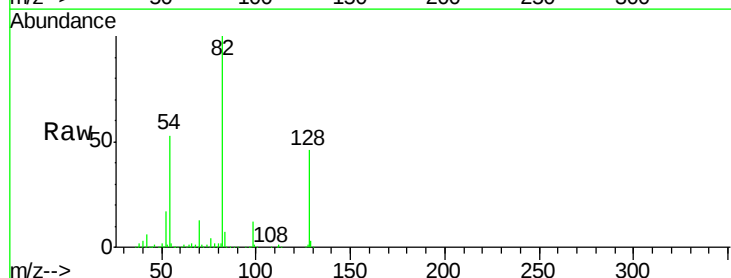
Ion Ratio Lower Upper

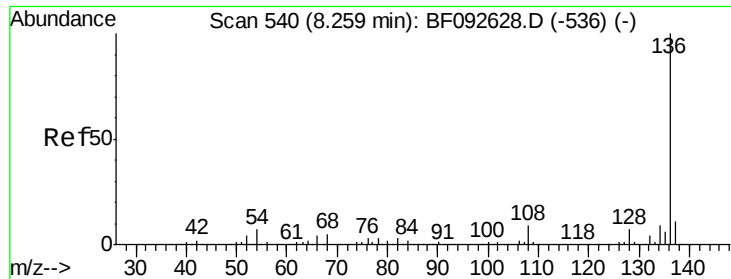
70 100

42 49.2 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

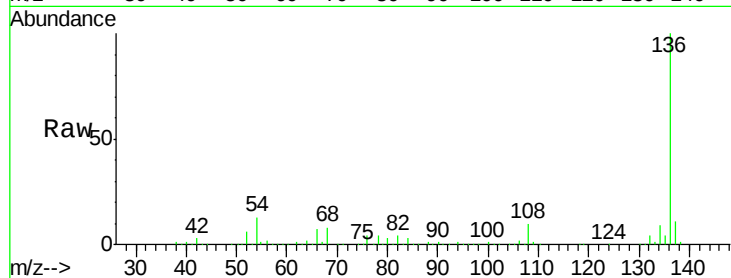




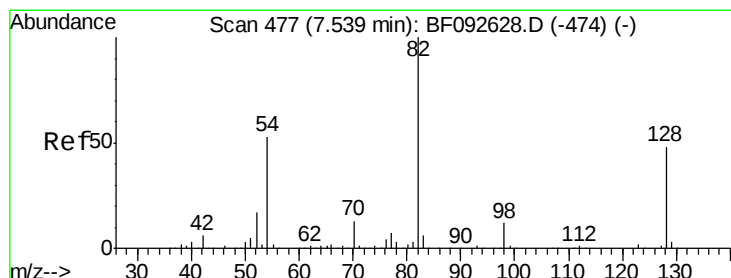
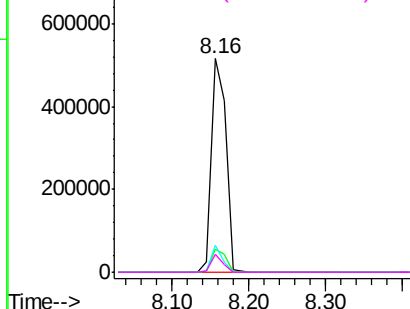
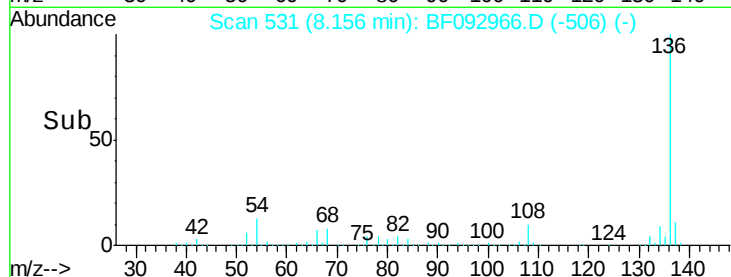
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	664854
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.4 12.6
54	12.6	4.5 6.7#
68	8.2	3.6 5.4#

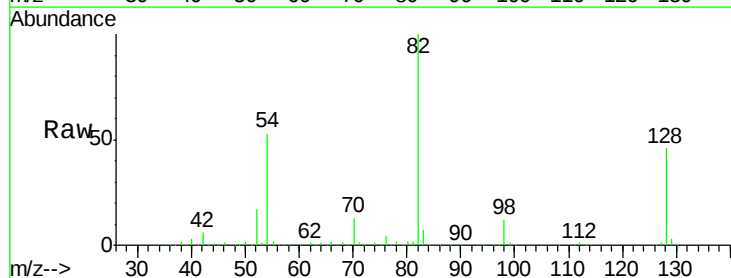


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

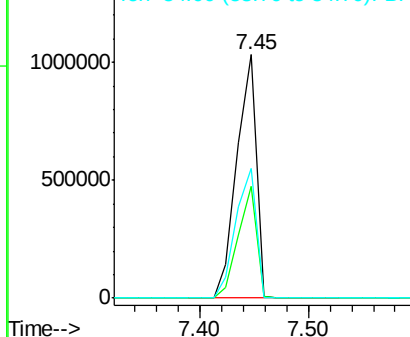
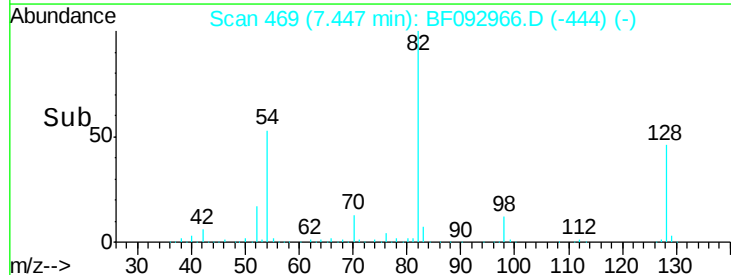


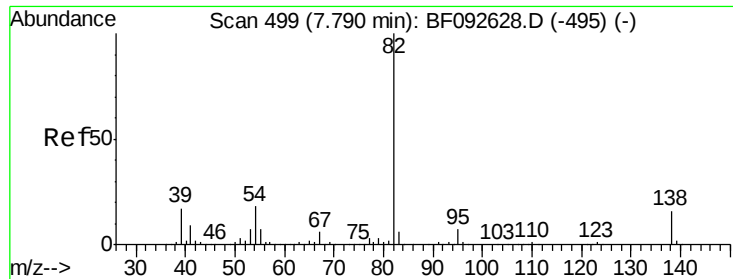
#23
Nitrobenzene-d5
Concen: 106.19 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion: 82	Resp:	1267775
Ion Ratio	Lower	Upper
82	100	
128	45.7	34.6 52.0
54	53.5	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

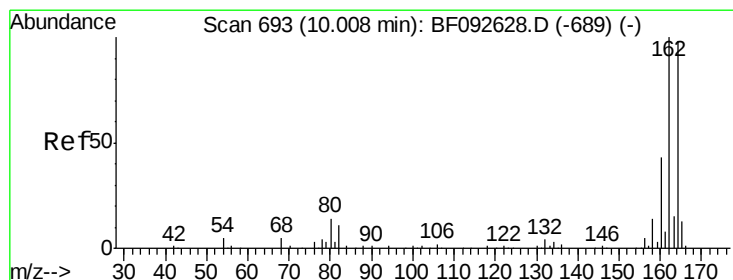
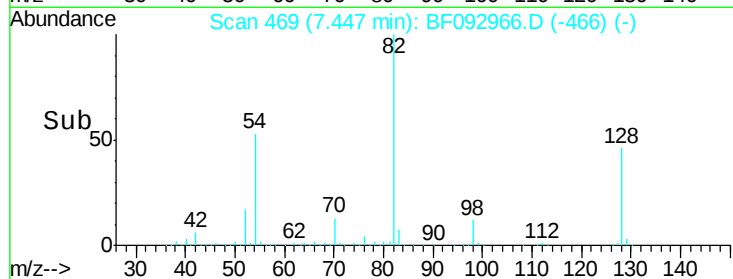
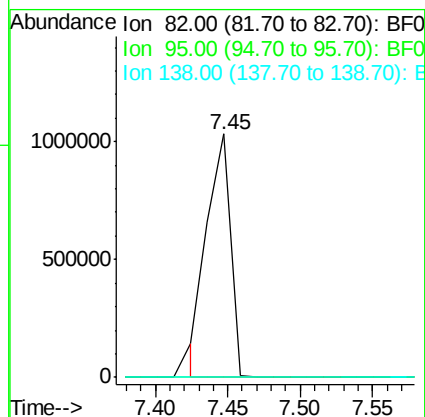
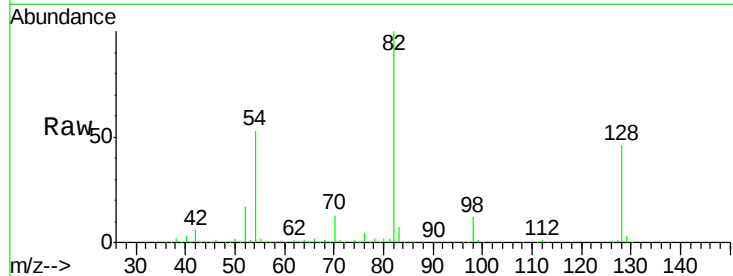




#25
Isophorone
Concen: 52.48 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.26 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

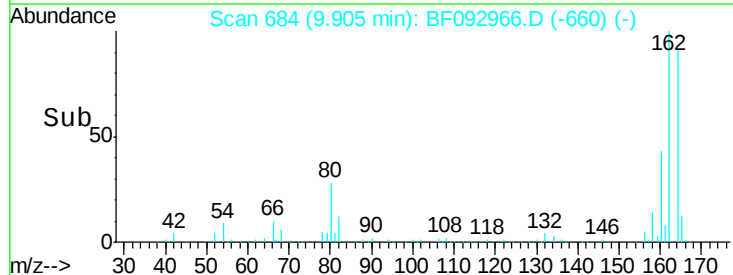
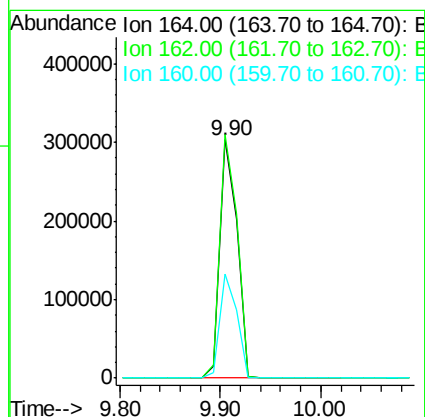
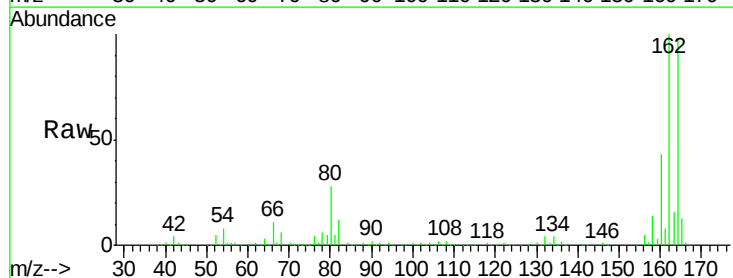
Instrument :
BNA_F
ClientSampleId :

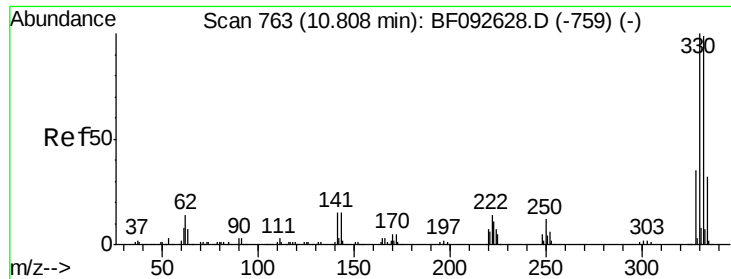
Tot Ion: 82 Resp: 1167493
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion:164 Resp: 361210
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 43.8 36.9 55.3

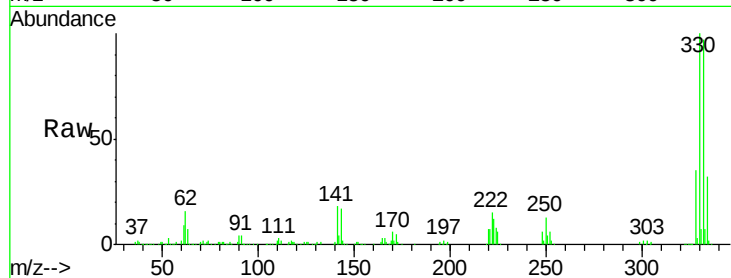




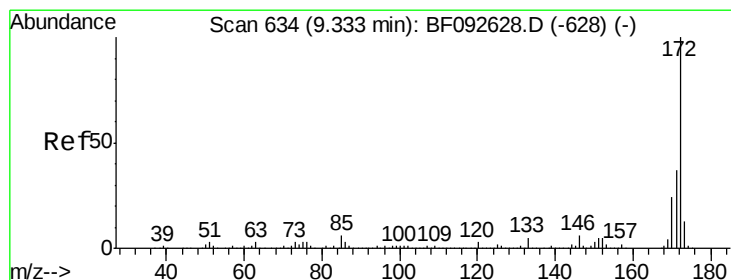
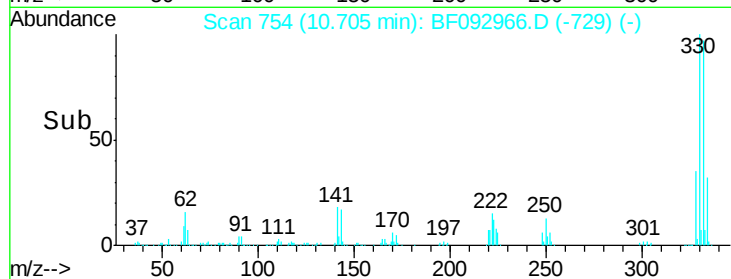
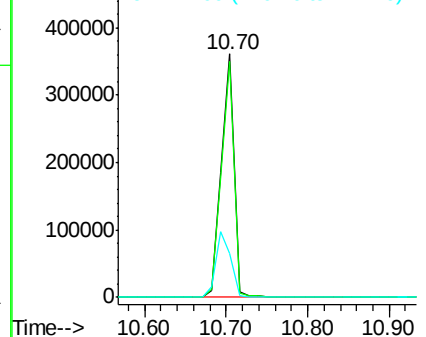
#41
 2,4,6-Tribromophenol
 Concen: 150.44 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF092966.D
 Acq: 15 Feb 2017 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	31.6	34.1	51.1#

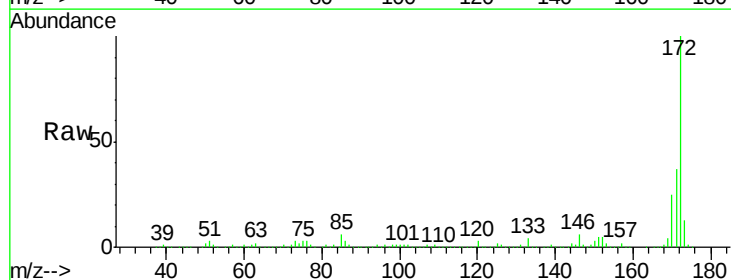


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

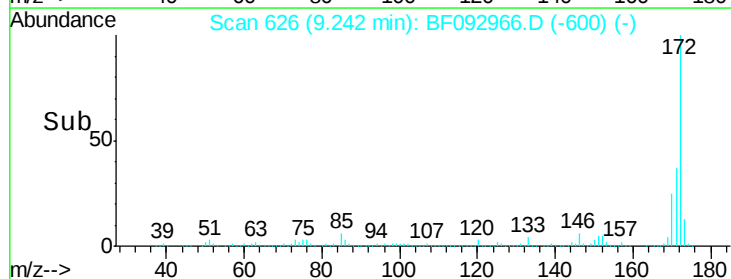
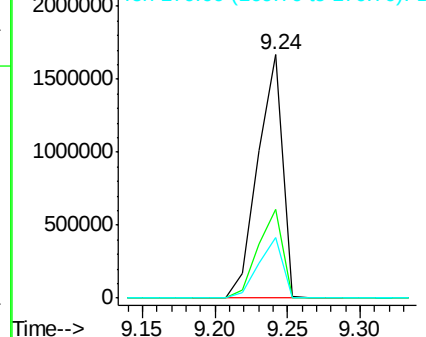


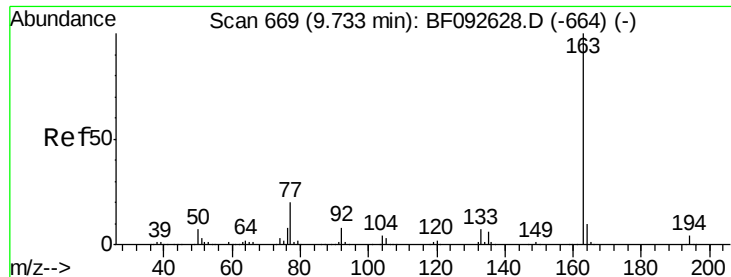
#44
 2-Fluorobiphenyl
 Concen: 98.88 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF092966.D
 Acq: 15 Feb 2017 22:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.6	20.2	30.4



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

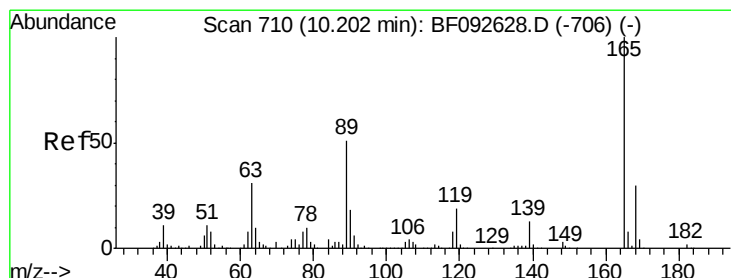
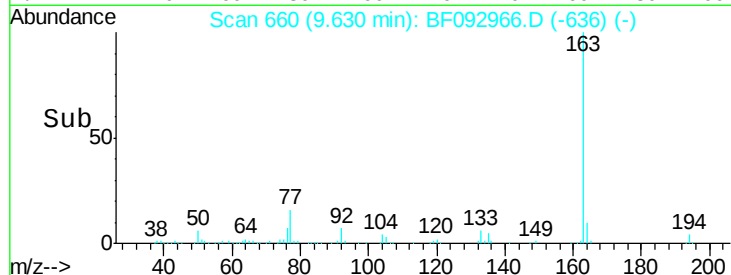
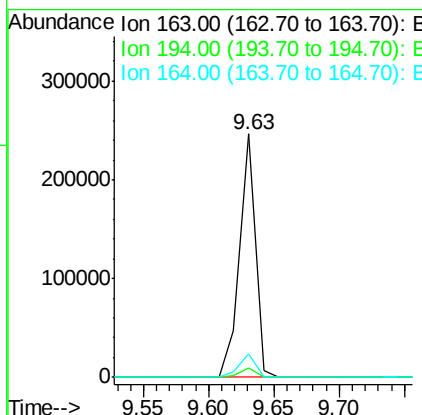
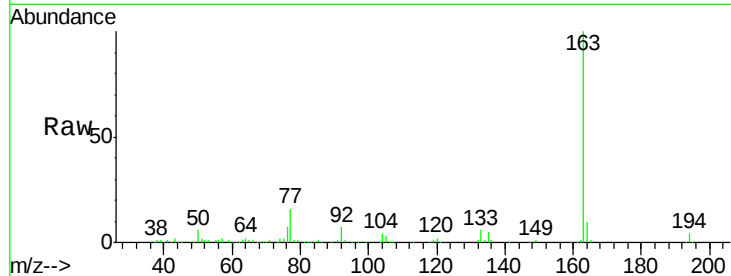




#49
Dimethylphthalate
Concen: 8.54 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

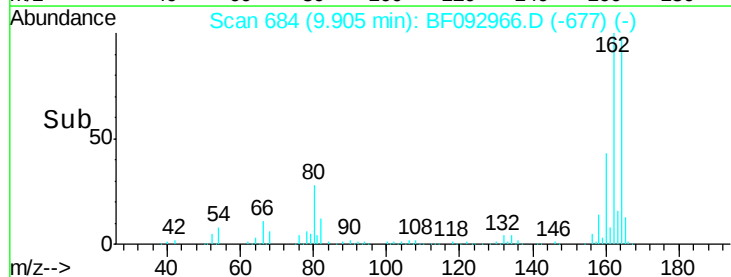
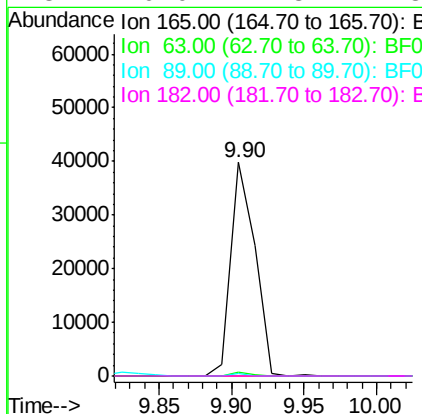
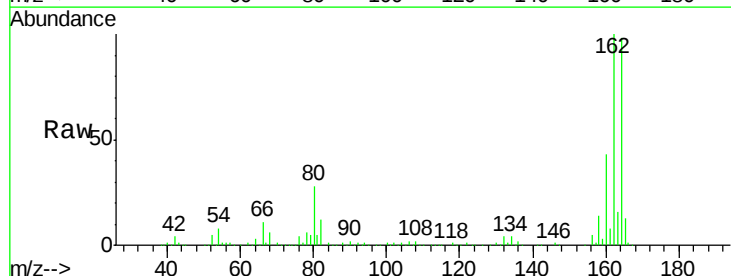
Instrument :
BNA_F
ClientSampleId :

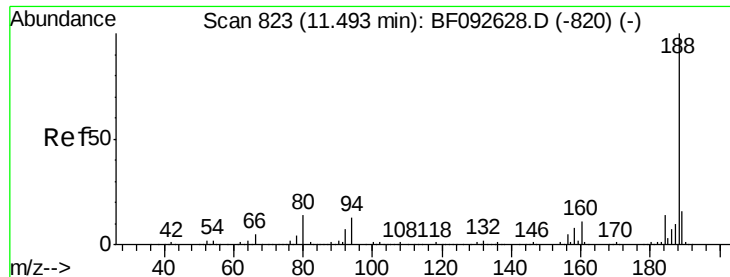
Tot Ion:163 Resp: 207666
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.8 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 6.57 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.22 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion:165 Resp: 45959
Ion Ratio Lower Upper
165 100
63 1.7 40.2 60.4#
89 1.1 62.5 93.7#
182 0.0 1.8 2.8#

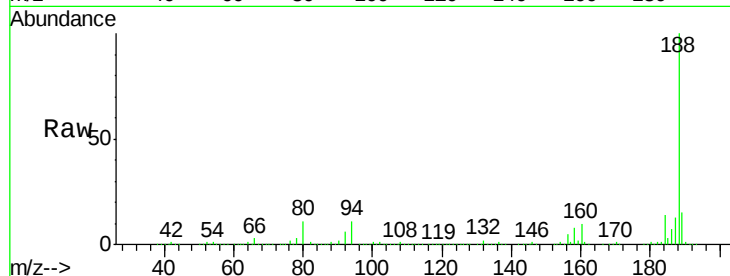




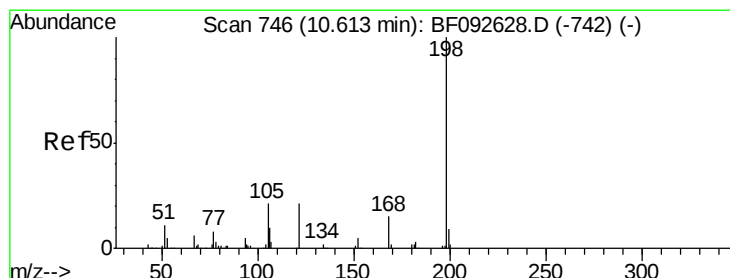
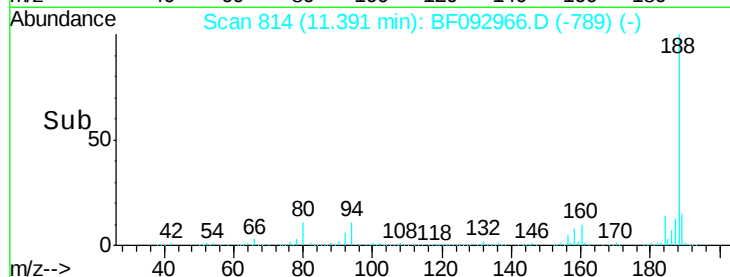
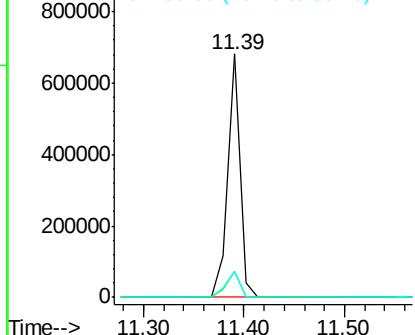
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 581466
Ion Ratio Lower Upper
188 100
94 10.8 10.0 15.0
80 10.9 11.2 16.8#

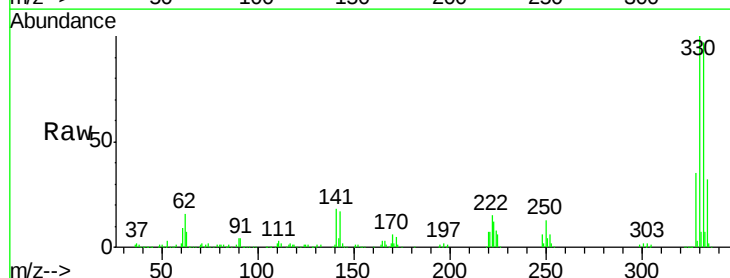


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

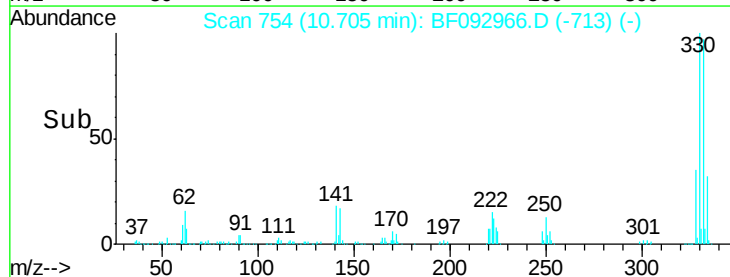
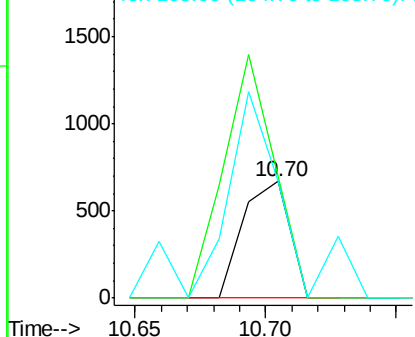


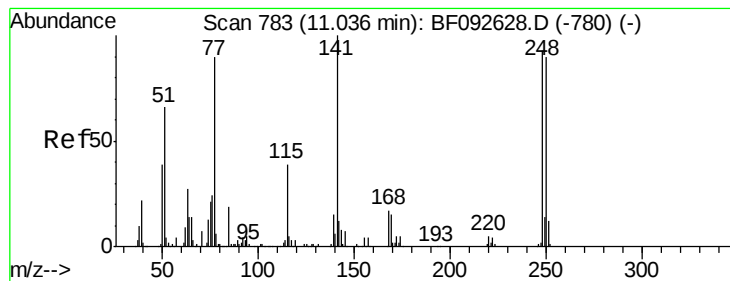
#64
4,6-Dinitro-2-methylphenol
Concen: 2.89 ng
RT: 10.70 min Scan# 754
Delta R.T. 0.17 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion:198 Resp: 839
Ion Ratio Lower Upper
198 100
51 104.8 6.7 46.7#
105 100.7 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: 4.57 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

ClientSampleId :

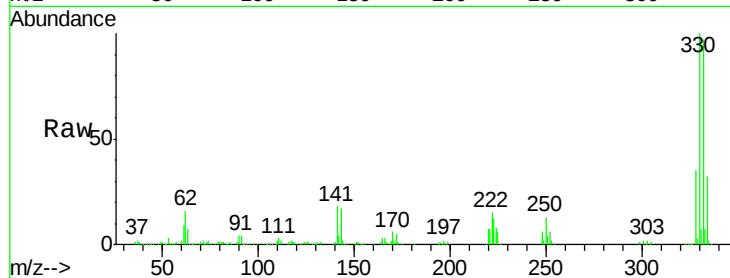
Tot Ion:248 Resp: 27734

Ion Ratio Lower Upper

248 100

250 212.7 76.9 115.3#

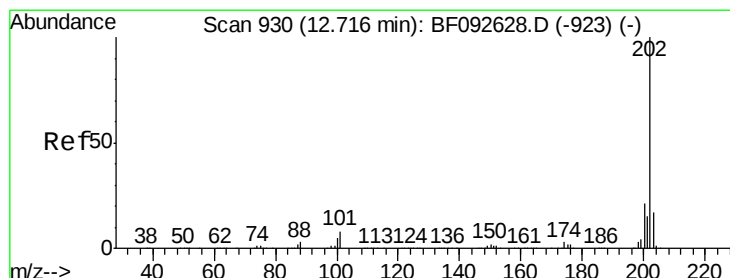
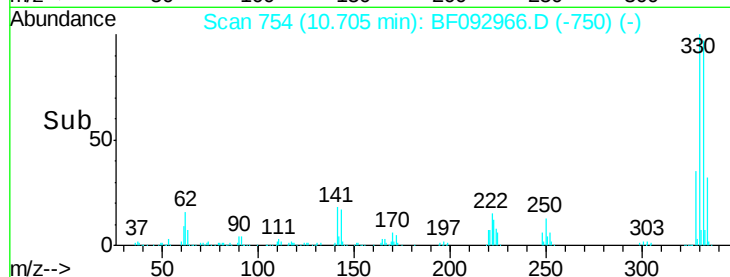
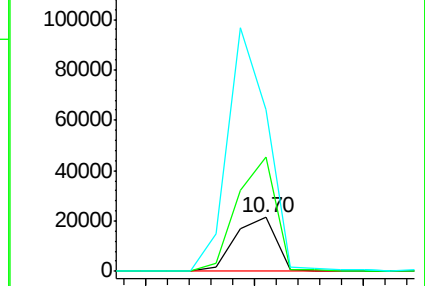
141 300.1 68.2 102.4#



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: 4.47 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

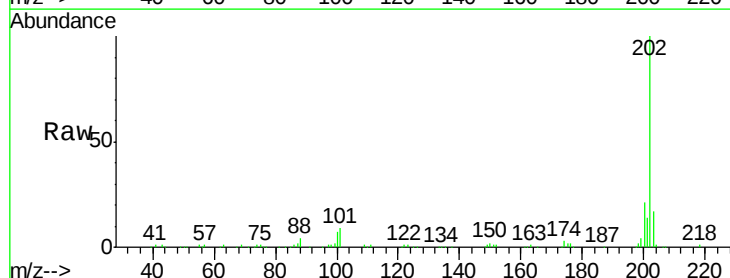
Tgt Ion:202 Resp: 153487

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.6

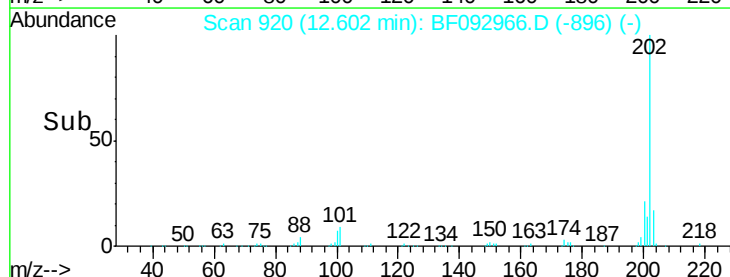
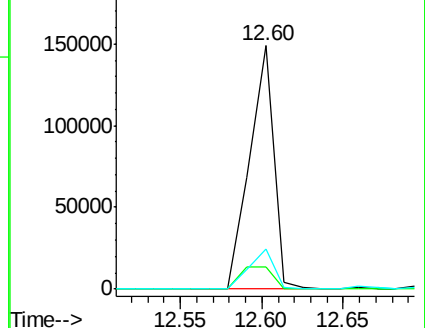
203 16.7 0.0 38.7

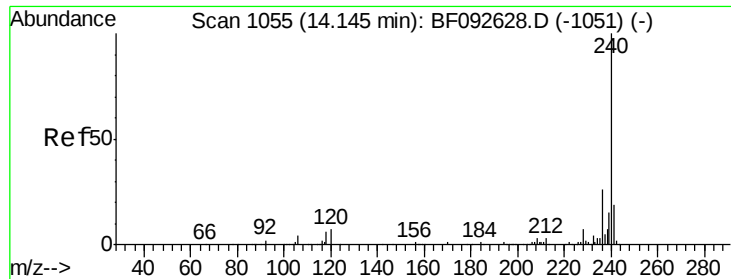


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

ClientSampled :

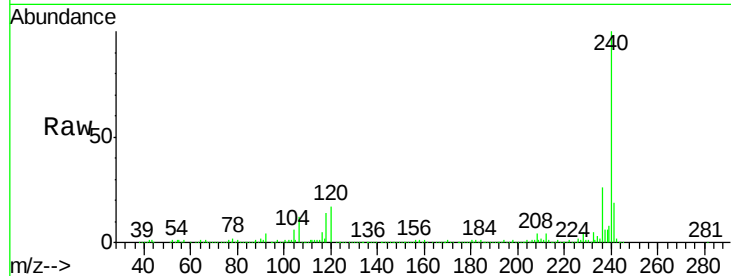
Tot Ion:240 Resp: 378558

Ion Ratio Lower Upper

240 100

120 16.9 12.9 19.3

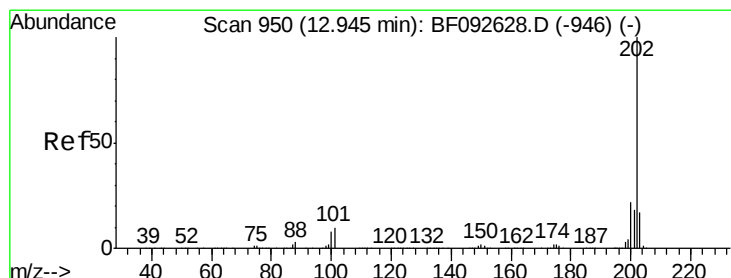
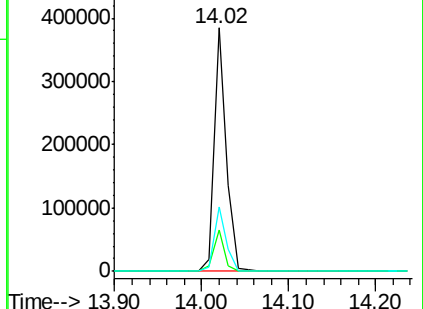
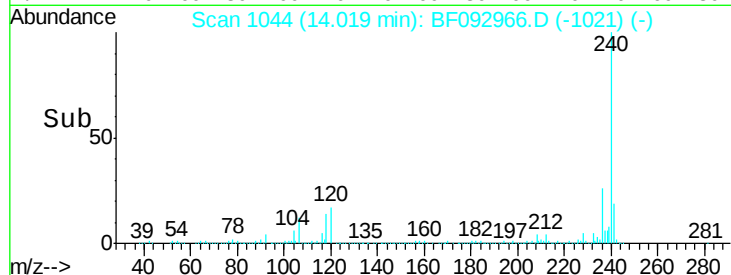
236 26.3 20.9 31.3



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: 4.31 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

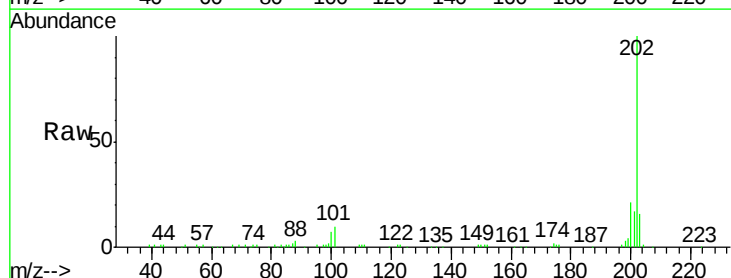
Tgt Ion:202 Resp: 122031

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

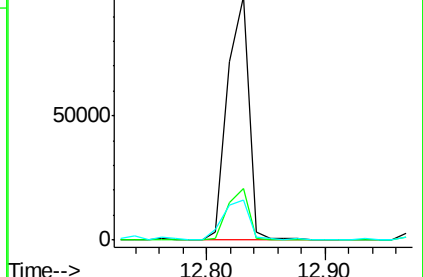
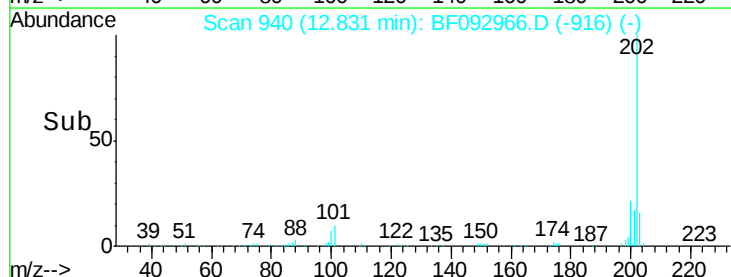
203 16.3 14.7 22.1

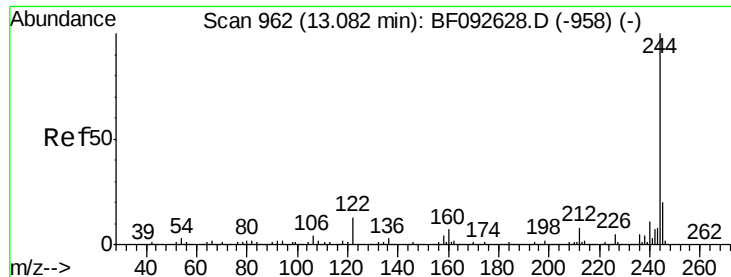


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.82 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

ClientSampleId :

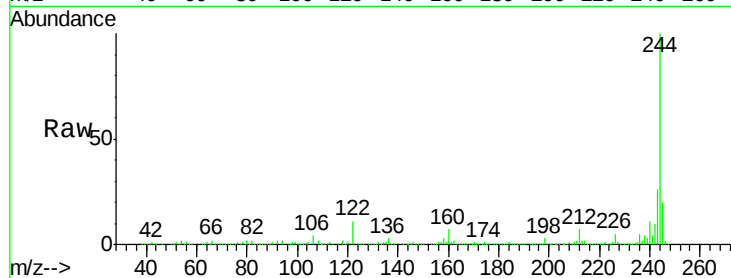
Tot Ion:244 Resp: 1495458

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

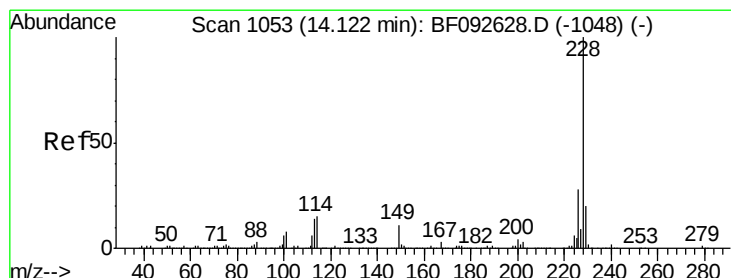
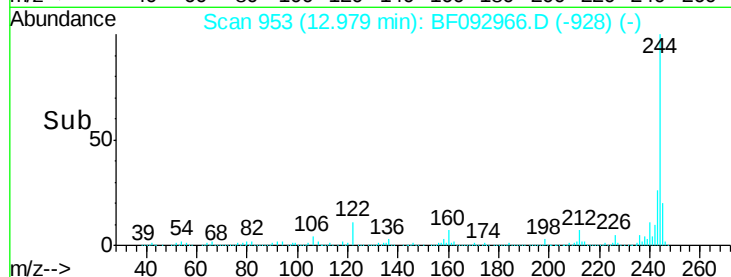
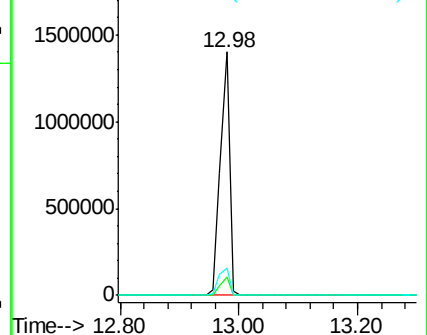
122 11.3 11.4 17.2#



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



#80

Benzo(a)anthracene

Concen: 2.11 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

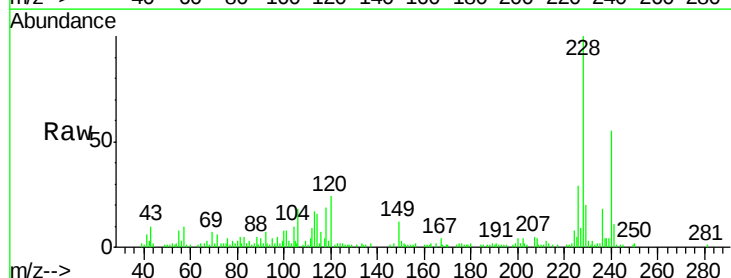
Tgt Ion:228 Resp: 48837

Ion Ratio Lower Upper

228 100

226 28.8 22.4 33.6

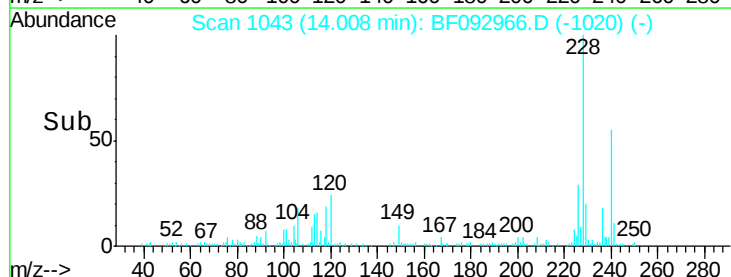
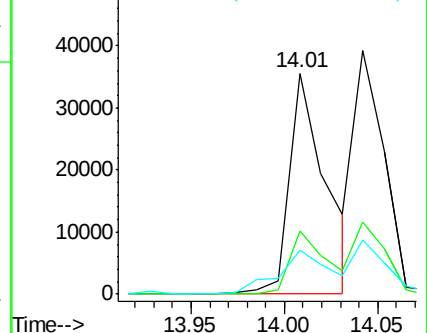
229 20.0 16.2 24.4

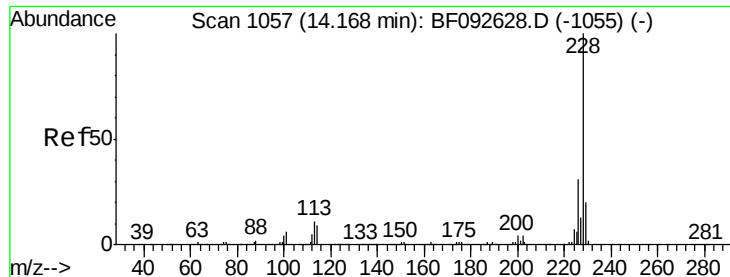


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.04 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

ClientSampleId :

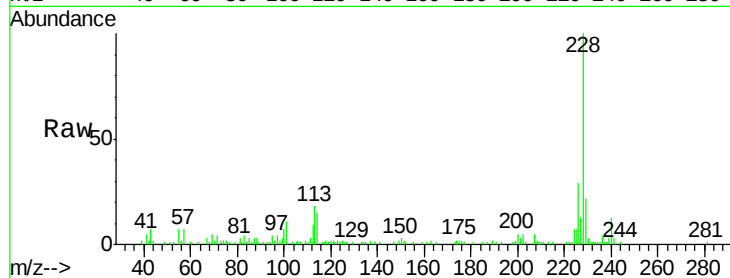
Tot Ion:228 Resp: 44116

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

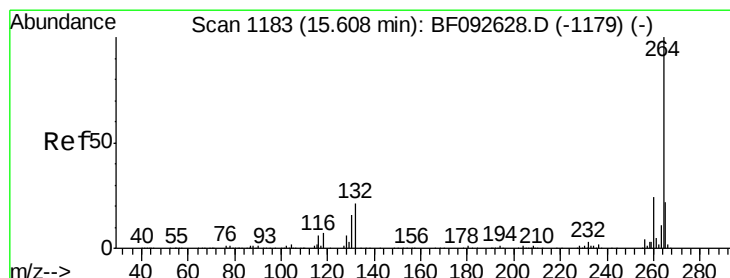
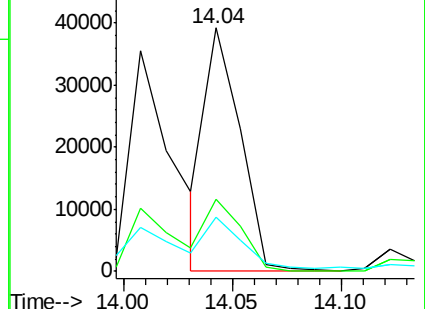
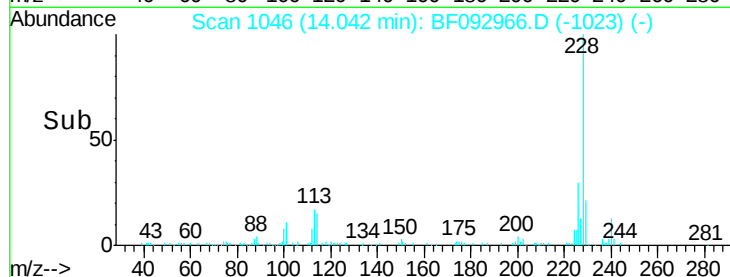
229 22.2 16.2 24.2



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: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

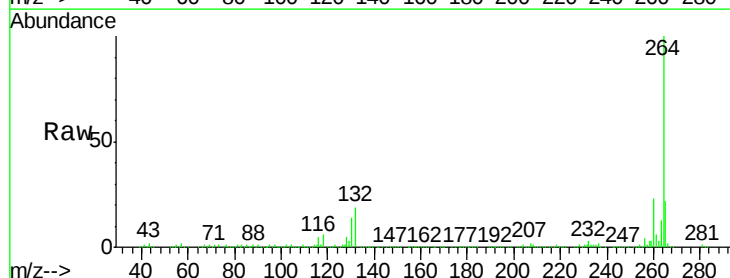
Tgt Ion:264 Resp: 329230

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

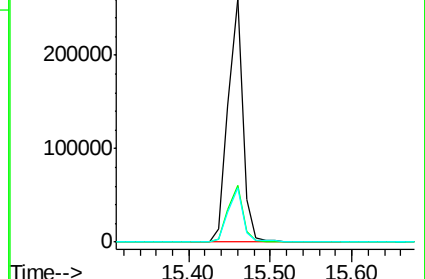
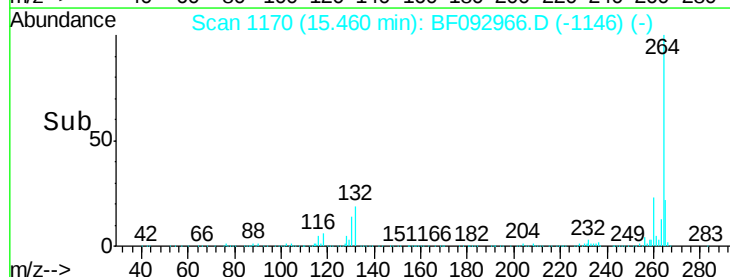
265 22.1 17.4 26.0

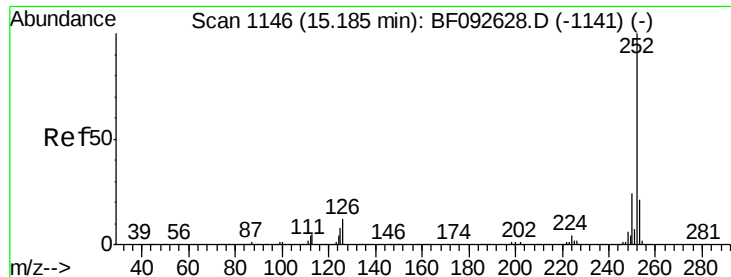


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

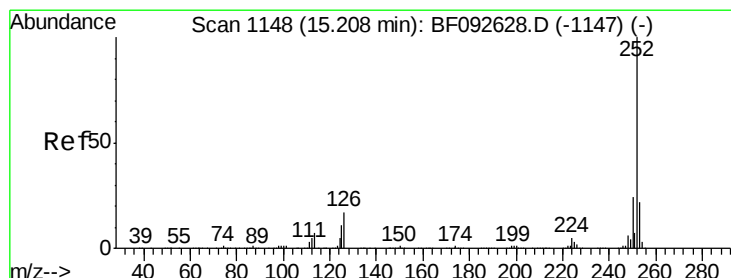
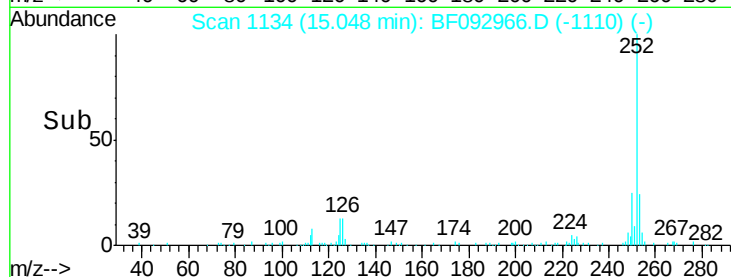
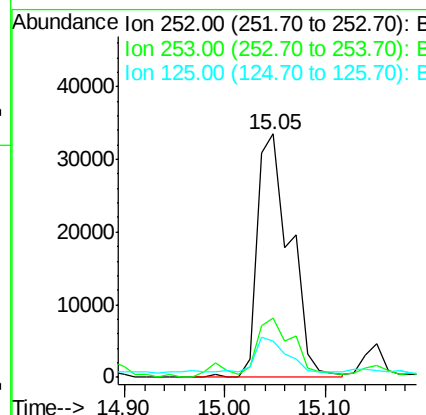
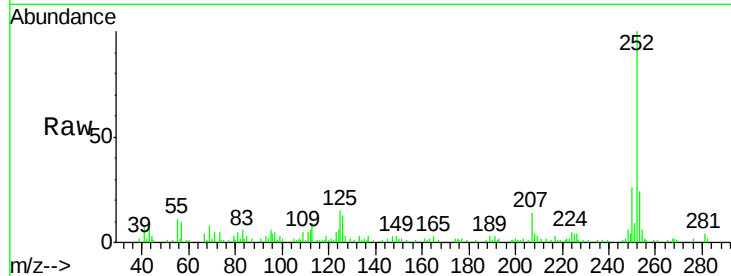




#87
Benzo(b)fluoranthene
Concen: 3.49 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 75645
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.4
125 15.0 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 4.04 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion:252 Resp: 75645
Ion Ratio Lower Upper
252 100
253 24.3 18.5 27.7
125 15.0 8.9 13.3#

