

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083966.D
 Acq On : 19 Dec 2015 20:39
 Operator : UM/SJ
 Sample : G4869-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-04

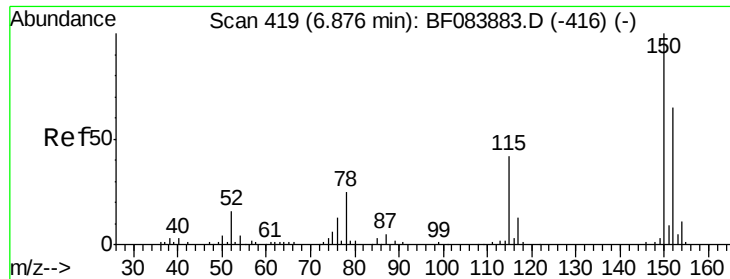
Quant Time: Dec 21 00:58:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	71482	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	292512	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	136064	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	253414	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	186782	20.00	ng	-0.03
86) Perylene-d12	15.44	264	146260	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	466392	102.11	ng	-0.01
7) Phenol-d6	6.50	99	619104	110.73	ng	-0.01
23) Nitrobenzene-d5	7.41	82	371252	72.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	151507	101.07	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	628015	62.10	ng	-0.03
78) Terphenyl-d14	12.95	244	491955	59.71	ng	-0.03

Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	12803	3.80	ng	94
19) n-Nitroso-di-n-propylamine	7.41	70	51523	15.81	ng	# 77
25) Isophorone	7.41	82	273420	28.35	ng	# 66
31) Naphthalene	8.16	128	6637	Below	Cal	95
45) 1,1'-Biphenyl	9.31	154	632	Below	Cal	89
49) Dimethylphthalate	9.61	163	163529	14.32	ng	# 91
56) 2,4-Dinitrotoluene	9.88	165	17941	5.62	ng	# 22
57) Fluorene	10.43	166	5624	Below	Cal	# 98
64) 4,6-Dinitro-2-methylphenol	10.67	198	346	4.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	10567	3.41	ng	# 1
70) Phenanthrene	11.39	178	59329	3.87	ng	99
74) Fluoranthene	12.58	202	96044	6.29	ng	95
77) Pyrene	12.81	202	81446	3.80	ng	99
80) Benzo(a)anthracene	14.00	228	65322	5.69	ng	98
82) Chrysene	14.00	228	65322	5.89	ng	97
87) Benzo(b)fluoranthene	15.03	252	45295	4.25	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	45295	5.15	ng	97
89) Benzo(a)pyrene	15.38	252	23568	2.68	ng	95

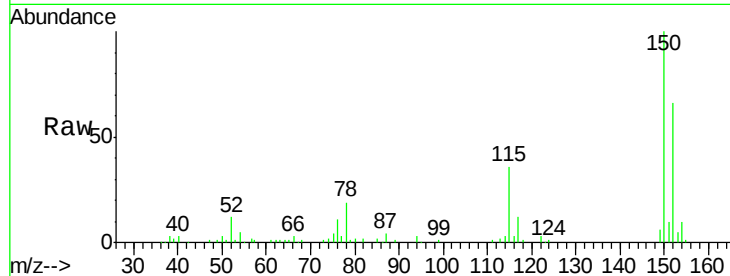
(#) = qualifier out of range (m) = manual integration (+) = signals summed



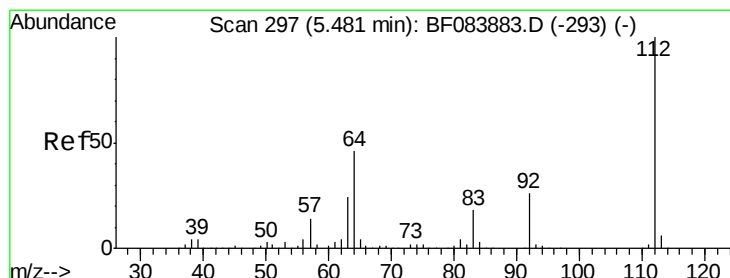
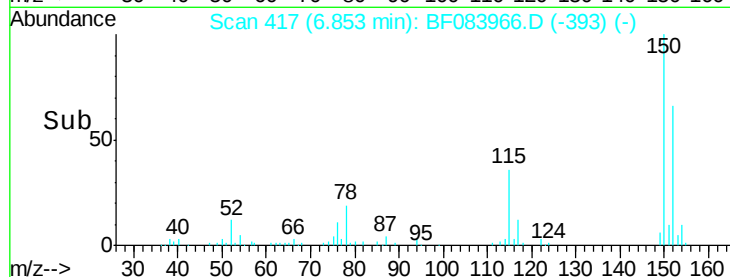
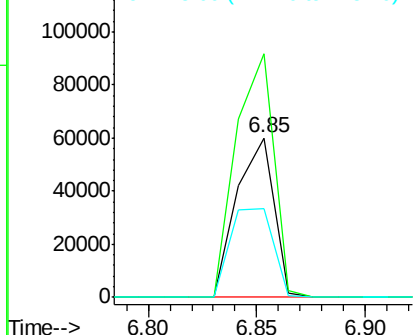
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-04

Tgt Ion:152 Resp: 71482
 Ion Ratio Lower Upper
 152 100
 150 152.6 123.0 184.4
 115 55.4 51.4 77.2

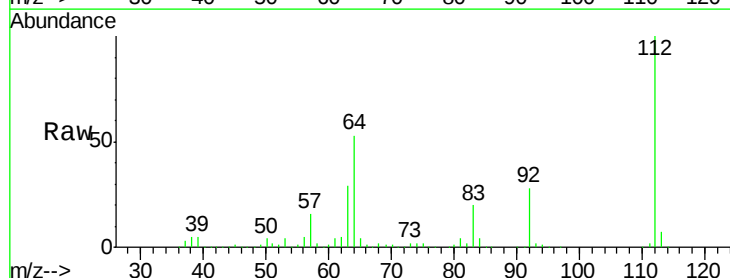


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

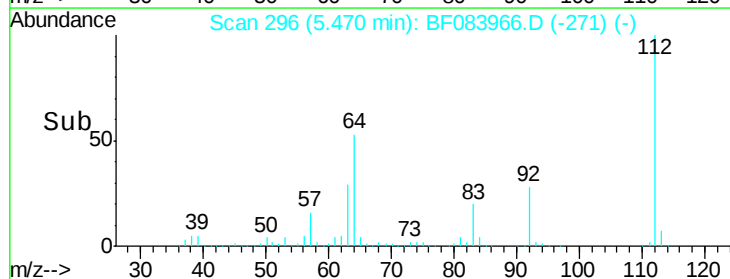
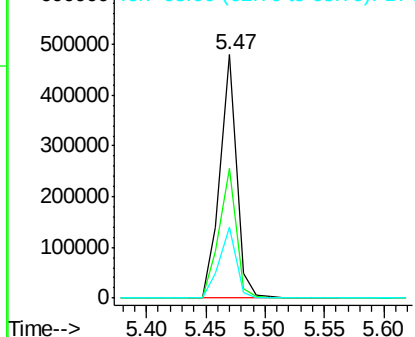


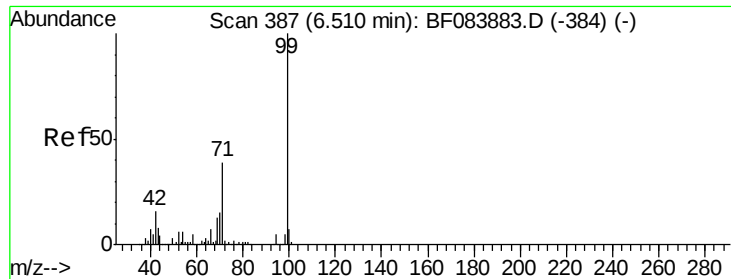
#5
 2-Fluorophenol
 Concen: 102.11 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Tgt Ion:112 Resp: 466392
 Ion Ratio Lower Upper
 112 100
 64 53.4 36.6 55.0
 63 29.0 19.4 29.0



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: 110.73 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Instrument :

BNA_F

ClientSampleId :

LTCWC-04

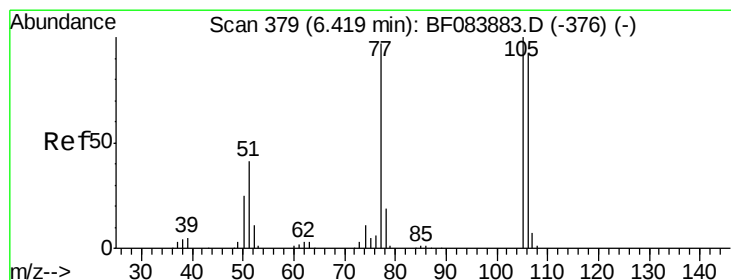
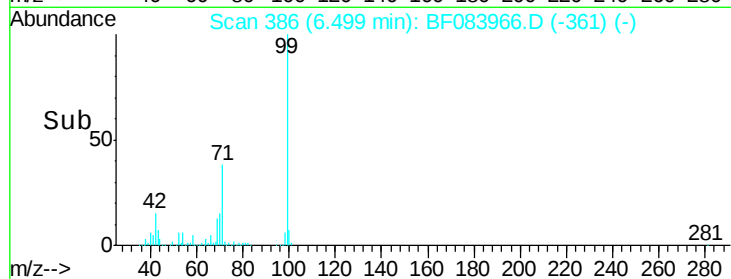
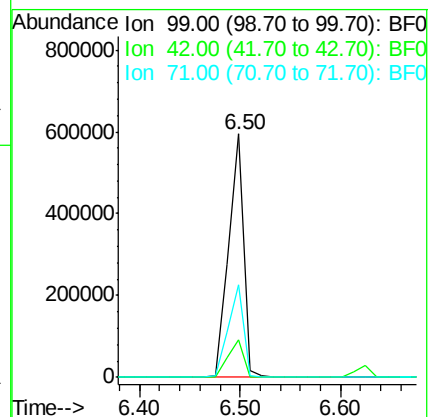
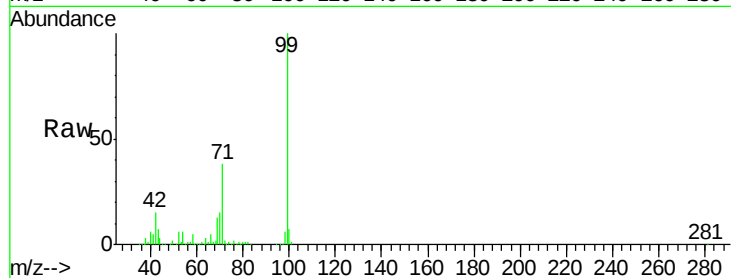
Tgt Ion: 99 Resp: 619104

Ion Ratio Lower Upper

99 100

42 15.3 12.8 19.2

71 38.2 30.9 46.3



#9

Benzaldehyde

Concen: 3.80 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

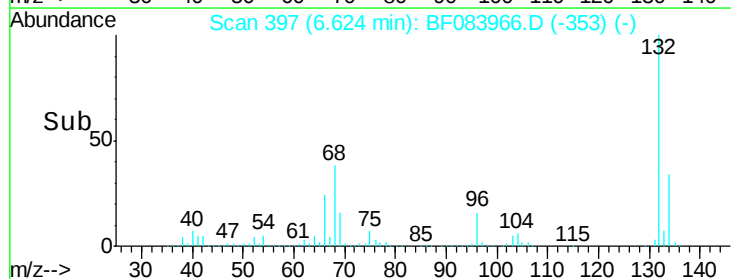
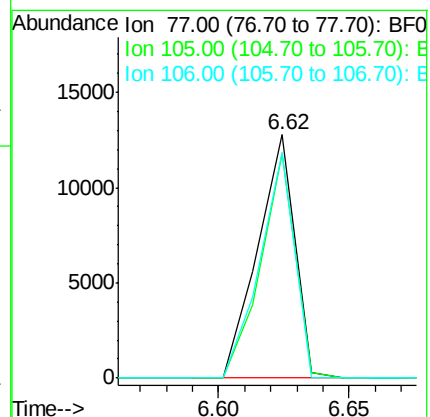
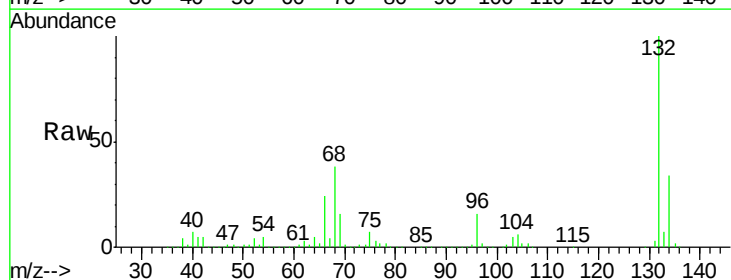
Tgt Ion: 77 Resp: 12803

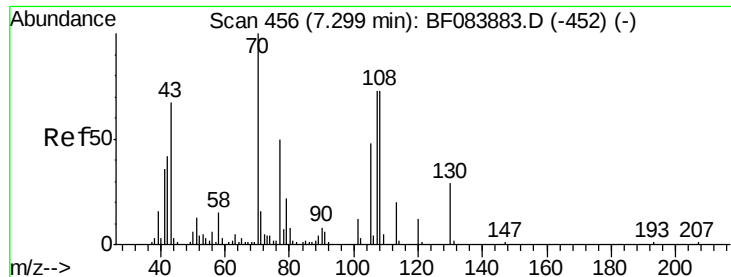
Ion Ratio Lower Upper

77 100

105 92.4 83.0 123.0

106 92.7 74.6 114.6

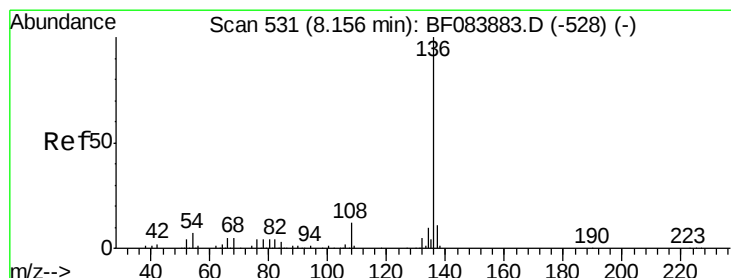
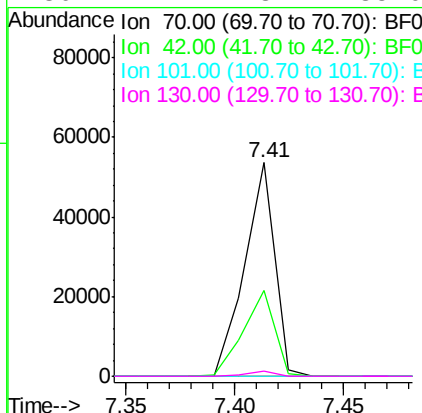
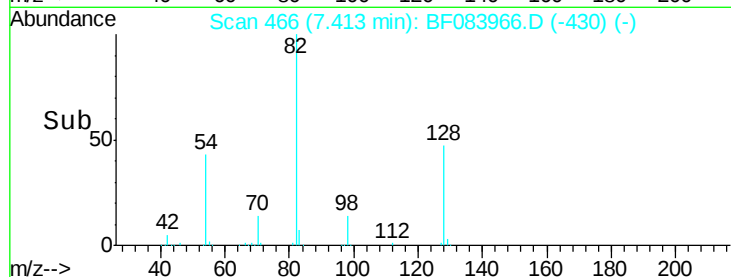
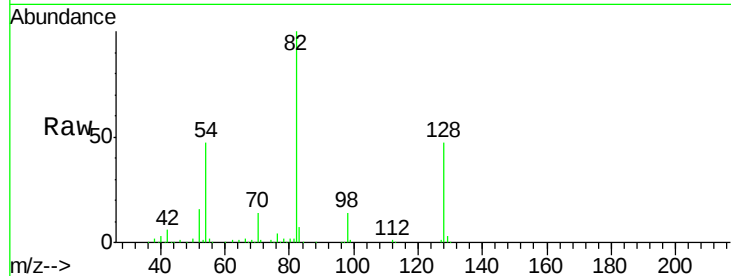




#19
n-Nitroso-di-n-propylamine
Concen: 15.81 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

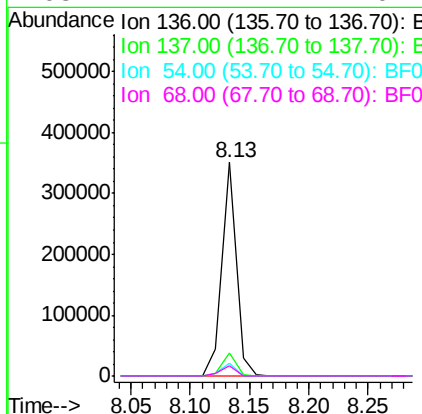
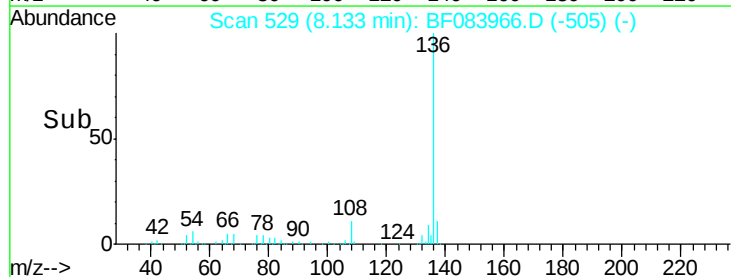
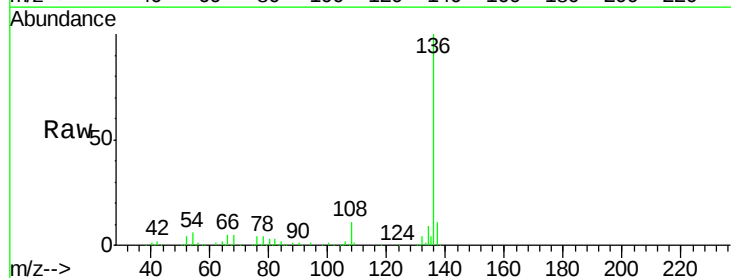
Instrument :
BNA_F
ClientSampleId :
LTCWC-04

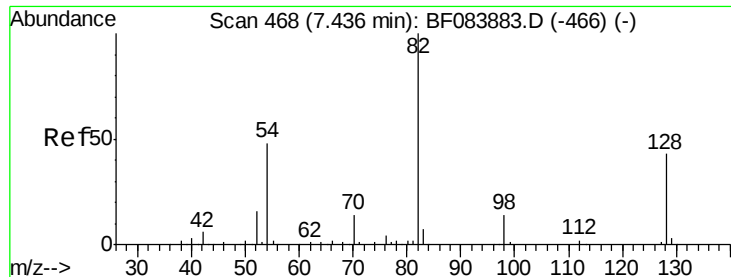
Tgt Ion: 70 Resp: 51523
Ion Ratio Lower Upper
70 100
42 40.0 33.3 49.9
101 0.0 9.3 13.9#
130 2.4 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion: 136 Resp: 292512
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.2 5.8 8.8
68 4.7 4.2 6.2

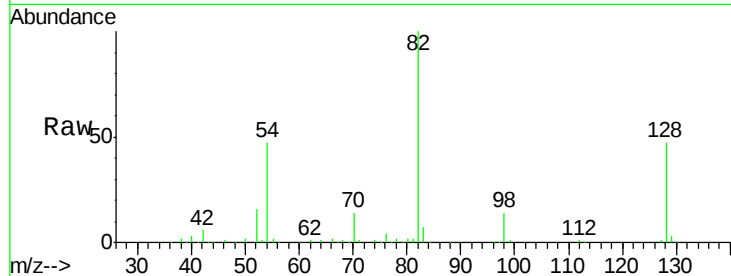




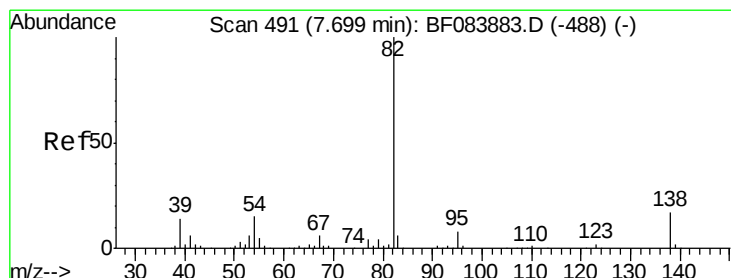
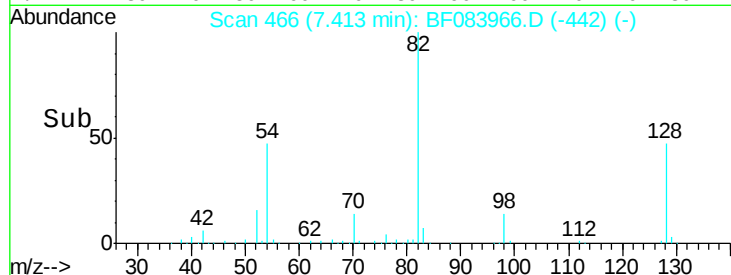
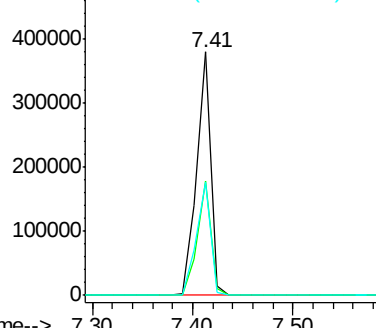
#23
 Nitrobenzene-d5
 Concen: 72.44 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-04

Tgt Ion: 82 Resp: 371252
 Ion Ratio Lower Upper
 82 100
 128 47.1 34.6 51.8
 54 46.6 38.4 57.6

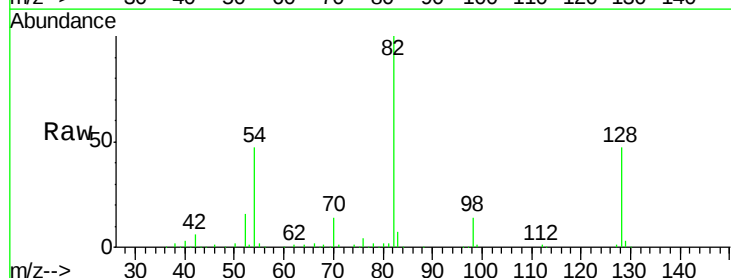


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

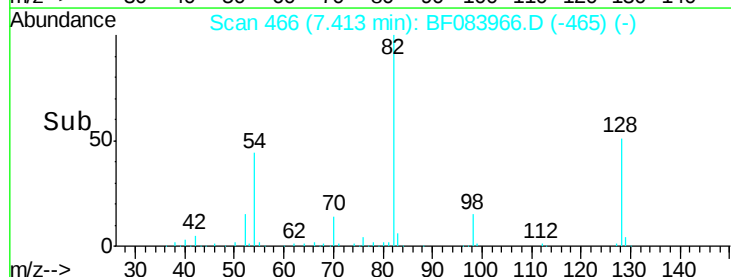
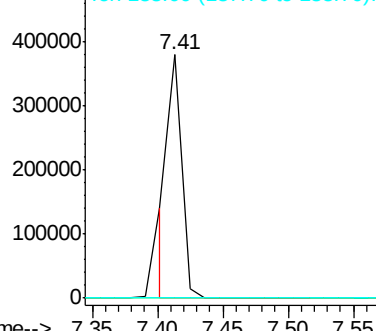


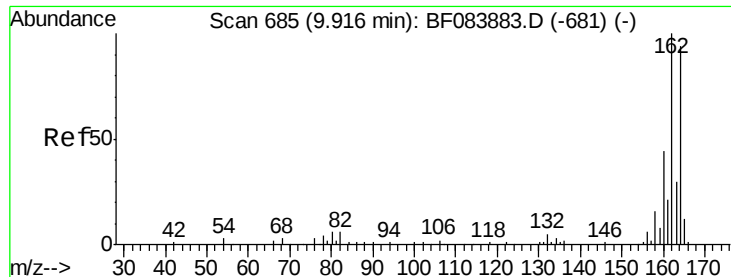
#25
 Isophorone
 Concen: 28.35 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.29 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Tgt Ion: 82 Resp: 273420
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 10.0#
 138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

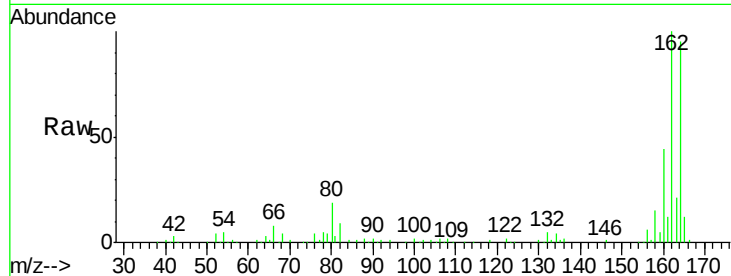




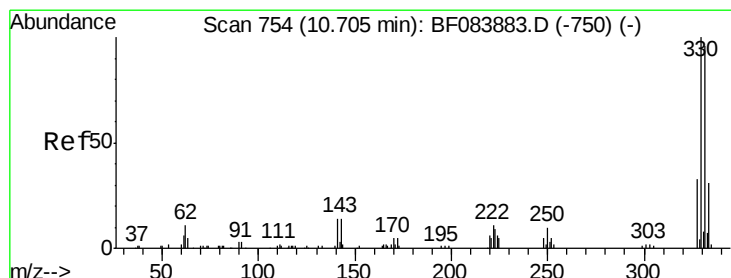
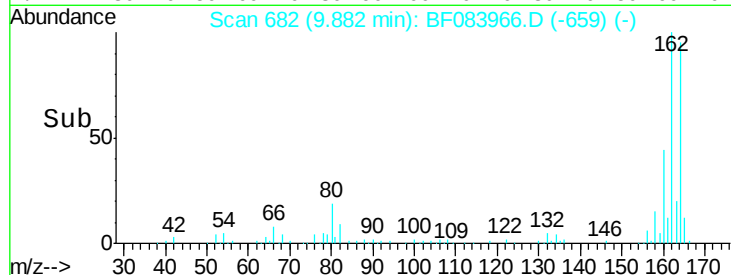
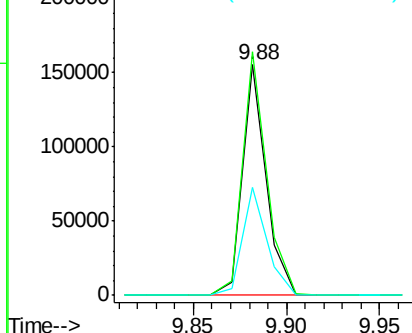
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Instrument :
BNA_F
ClientSampleId :
LTCWC-04

Tgt Ion:164 Resp: 136064
Ion Ratio Lower Upper
164 100
162 105.7 85.1 127.7
160 46.8 37.5 56.3

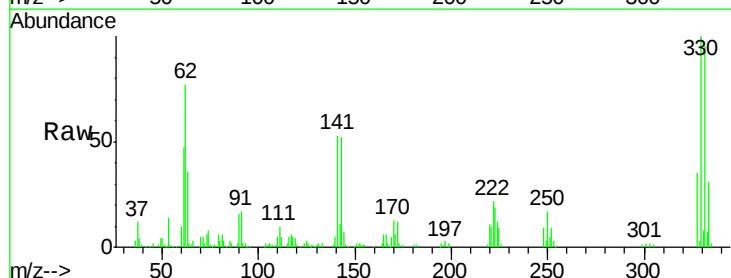


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

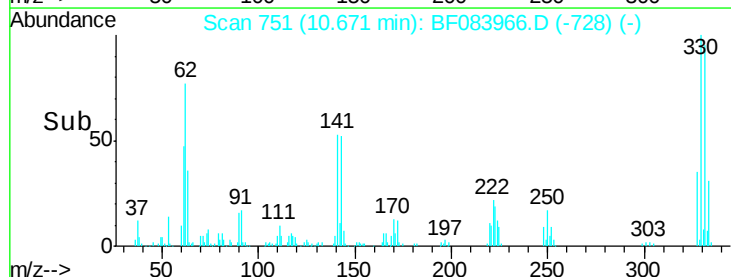
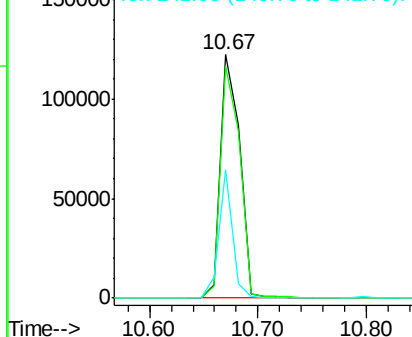


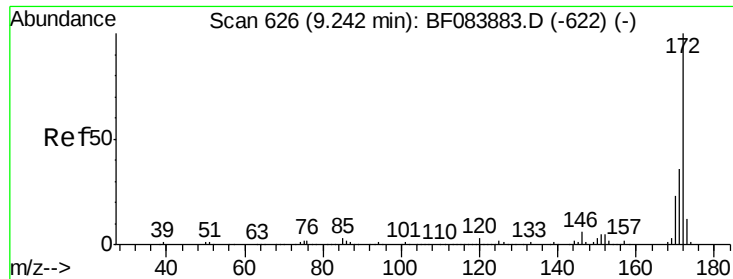
#41
2,4,6-Tribromophenol
Concen: 101.07 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion:330 Resp: 151507
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 37.6 27.8 41.6



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

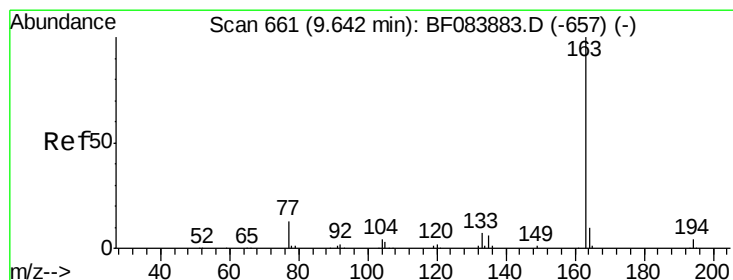
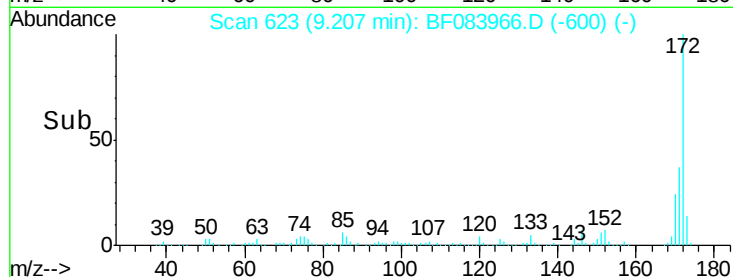
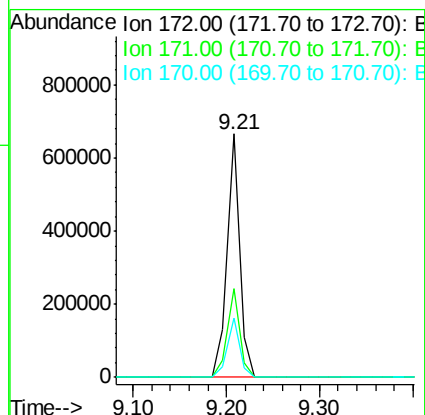
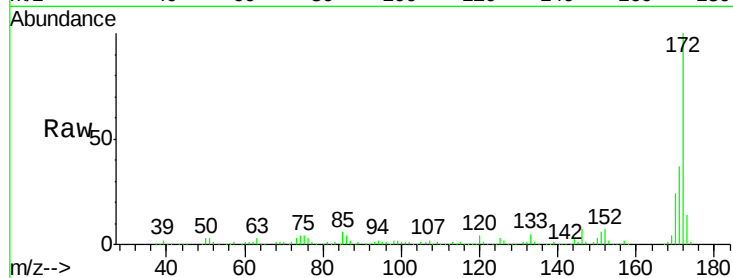




#44
2-Fluorobiphenyl
Concen: 62.10 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

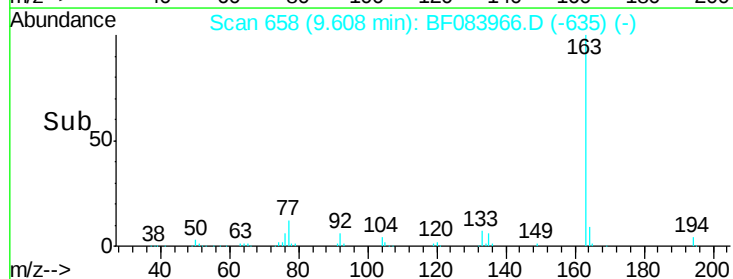
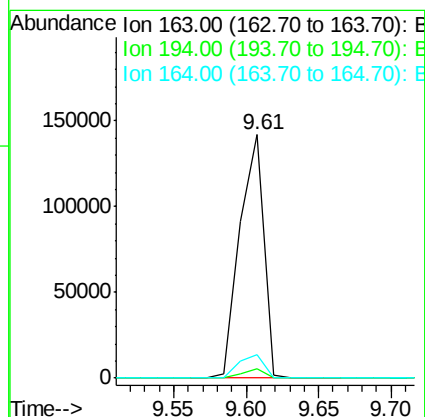
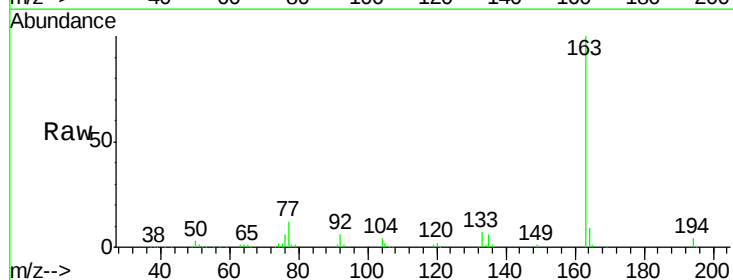
Instrument :
BNA_F
ClientSampleId :
LTCWC-04

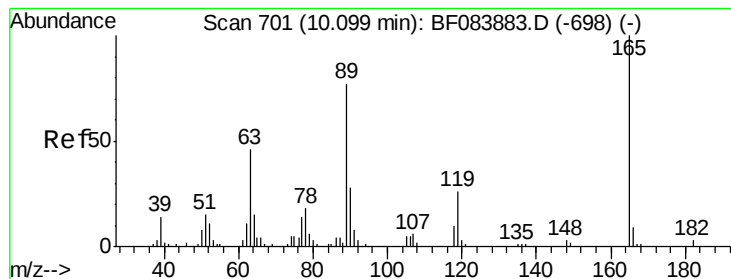
Tgt Ion:172 Resp: 628015
Ion Ratio Lower Upper
172 100
171 36.7 28.9 43.3
170 24.4 18.6 27.8



#49
Dimethylphthalate
Concen: 14.32 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion:163 Resp: 163529
Ion Ratio Lower Upper
163 100
194 3.7 8.0 12.0#
164 9.4 8.0 12.0





#56

2,4-Dinitrotoluene

Concen: 5.62 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.22 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

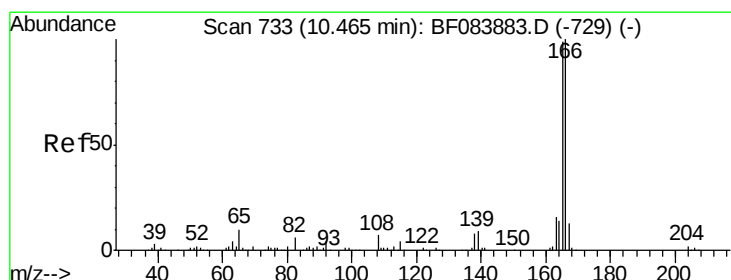
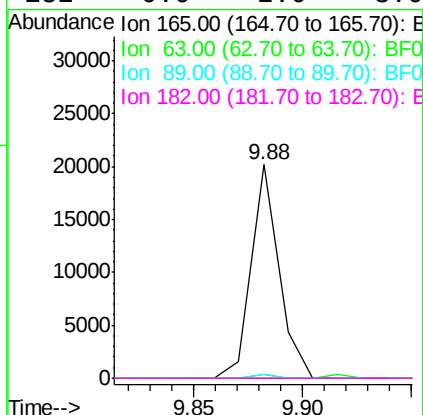
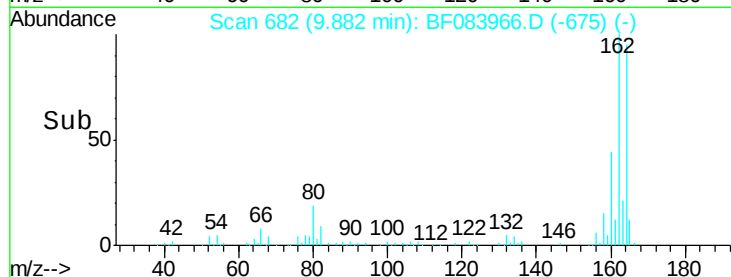
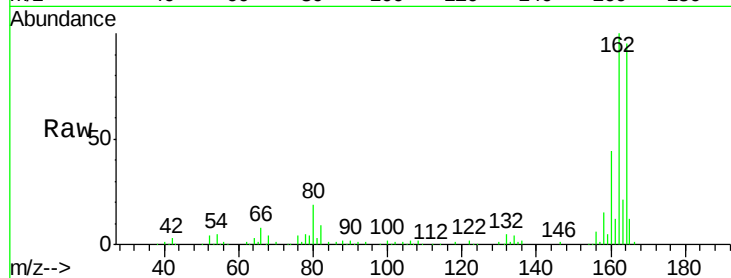
Instrument :

BNA_F

ClientSampleId :

LTCWC-04

Tgt Ion:	165	Resp:	17941
Ion Ratio	Lower	Upper	
165	100		
63	1.6	36.7	55.1#
89	1.8	61.9	92.9#
182	0.0	2.0	3.0#



#57

Fluorene

Concen: Below Cal

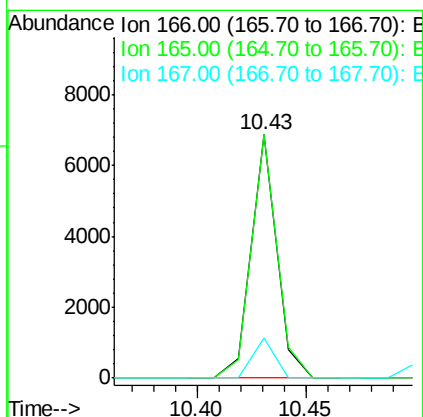
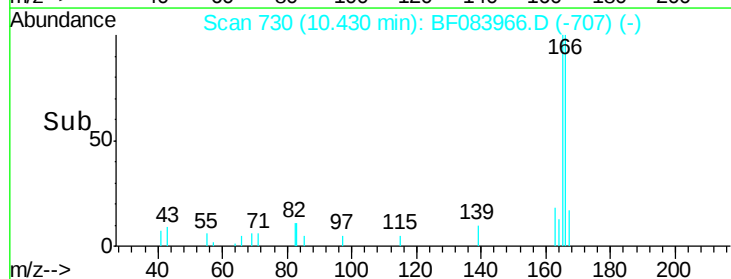
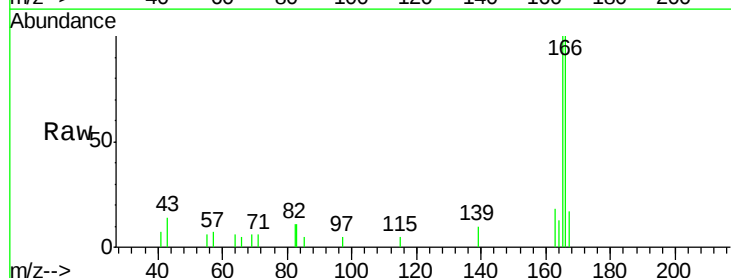
RT: 10.43 min Scan# 730

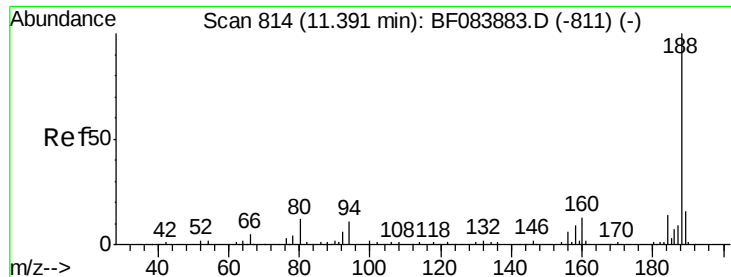
Delta R.T. -0.03 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Tgt Ion:	166	Resp:	5624
Ion Ratio	Lower	Upper	
166	100		
165	100.0	79.1	118.7
167	16.5	10.4	15.6#

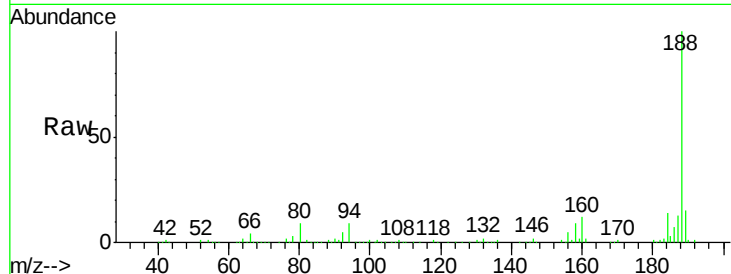




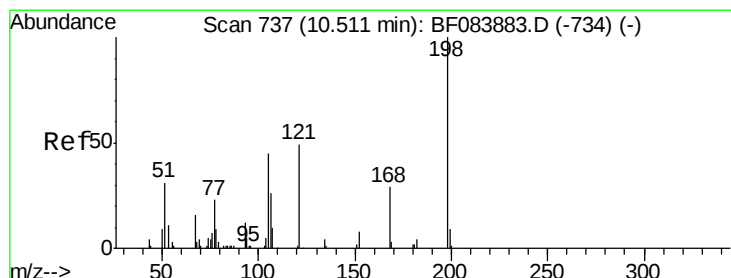
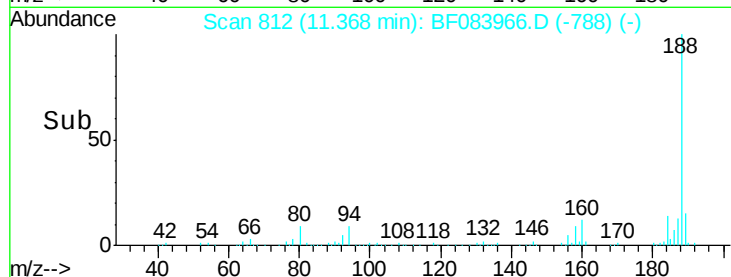
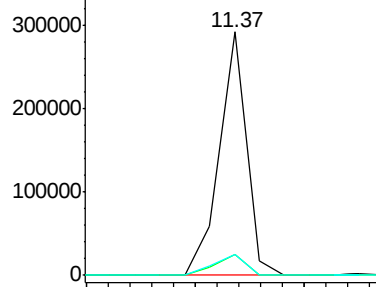
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Instrument :
BNA_F
ClientSampleId :
LTCWC-04

Tgt Ion:188 Resp: 253414
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.4#
80 8.7 9.6 14.4#

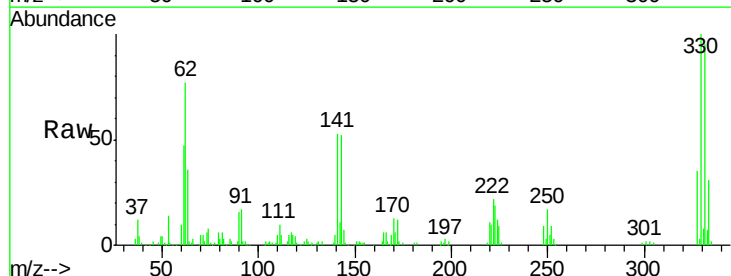


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

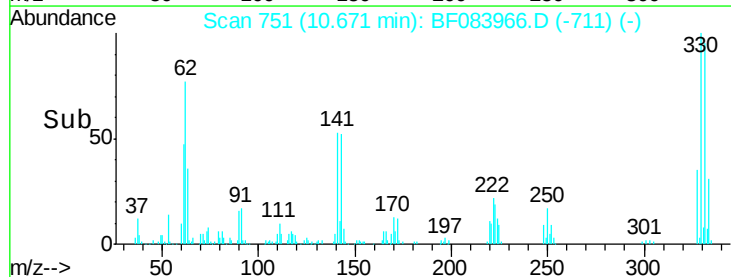
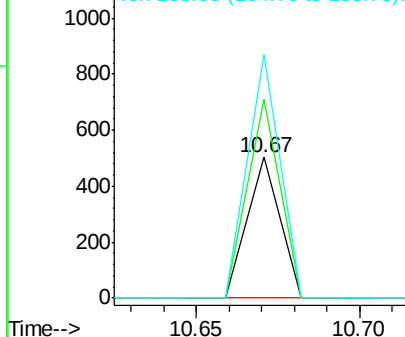


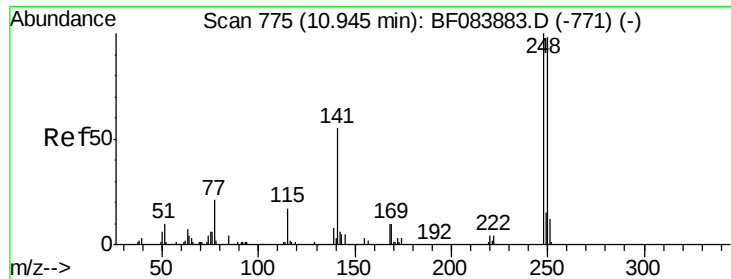
#64
4,6-Dinitro-2-methylphenol
Concen: 4.13 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.16 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion:198 Resp: 346
Ion Ratio Lower Upper
198 100
51 141.1 18.9 58.9#
105 172.6 26.4 66.4#



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

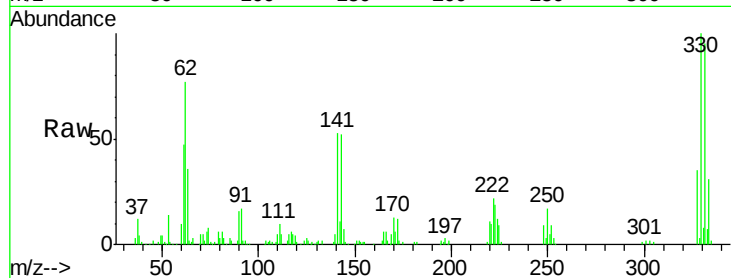




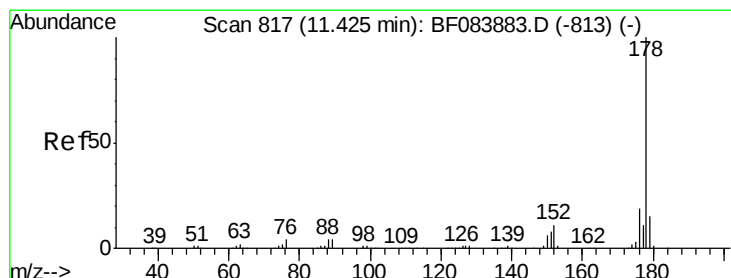
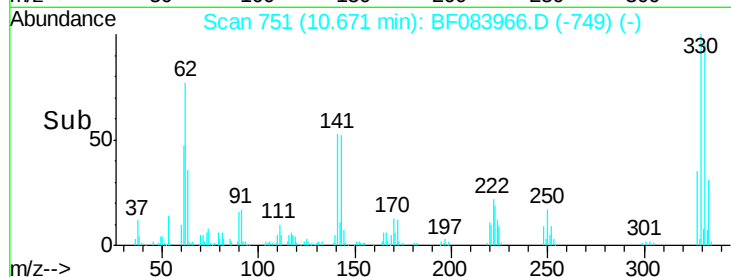
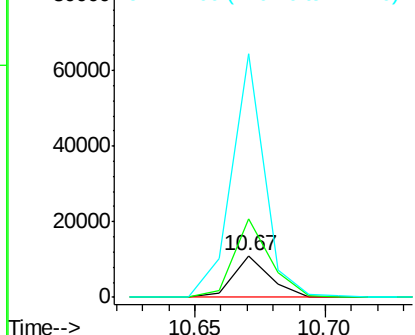
#66
4-Bromophenyl-phenylether
Concen: 3.41 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.27 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Instrument :
BNA_F
ClientSampleId :
LTCWC-04

Tgt Ion:248 Resp: 10567
Ion Ratio Lower Upper
248 100
250 187.9 78.4 117.6#
141 587.3 44.0 66.0#

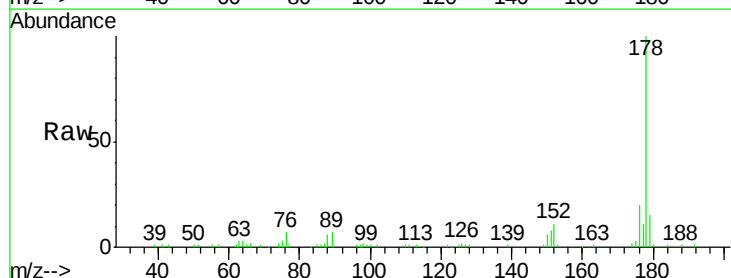


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

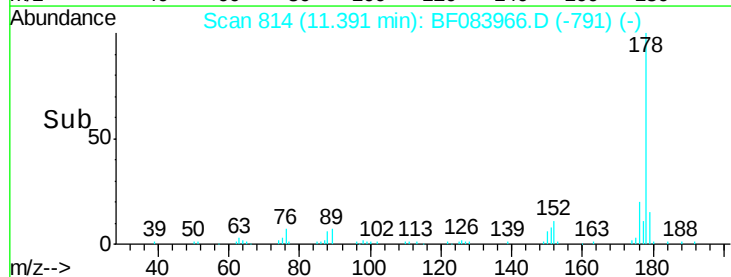
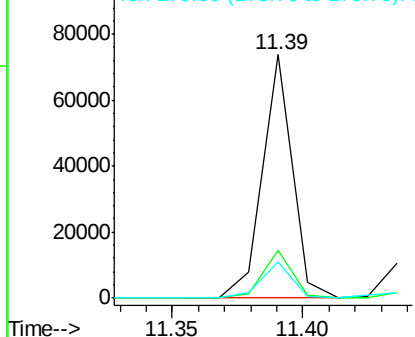


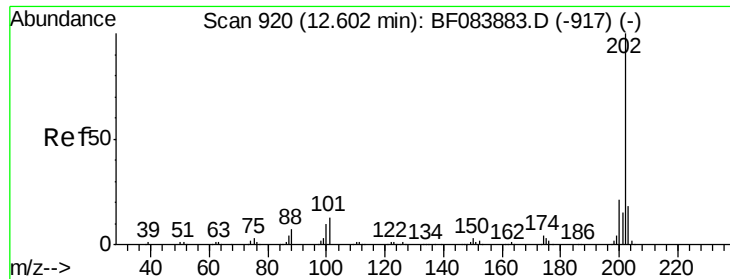
#70
Phenanthrene
Concen: 3.87 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion:178 Resp: 59329
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 14.7 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

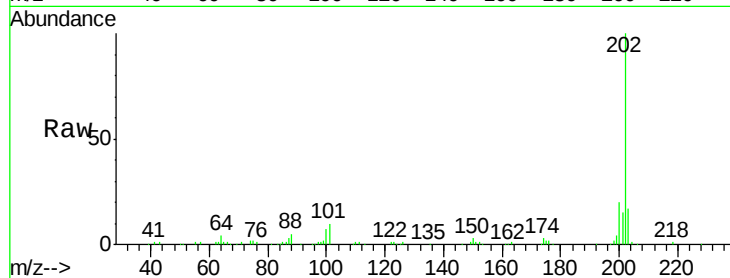




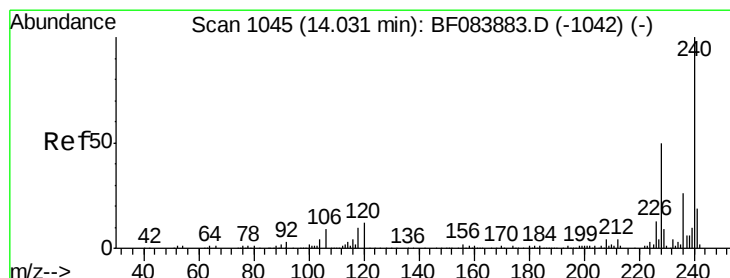
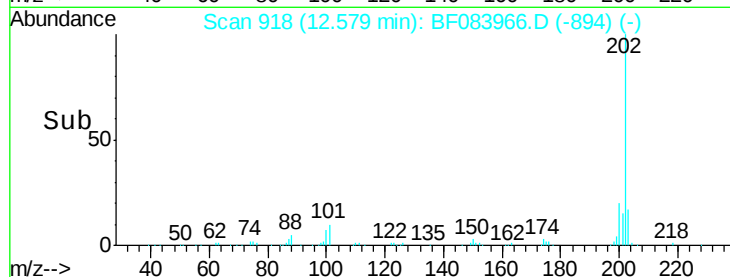
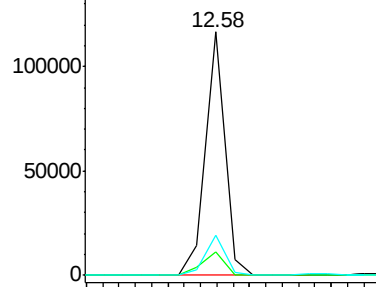
#74
Fluoranthene
Concen: 6.29 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Instrument :
BNA_F
ClientSampleId :
LTCWC-04

Tgt Ion: 202 Resp: 96044
Ion Ratio Lower Upper
202 100
101 9.9 0.0 32.8
203 16.7 0.0 37.9

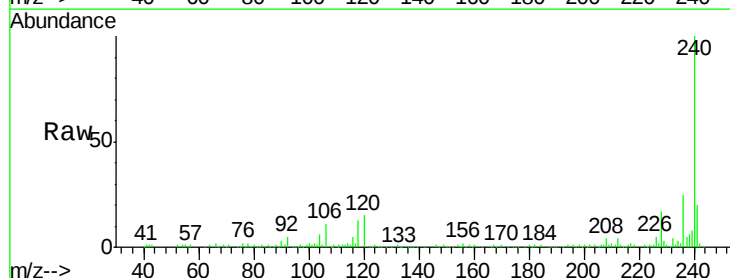


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

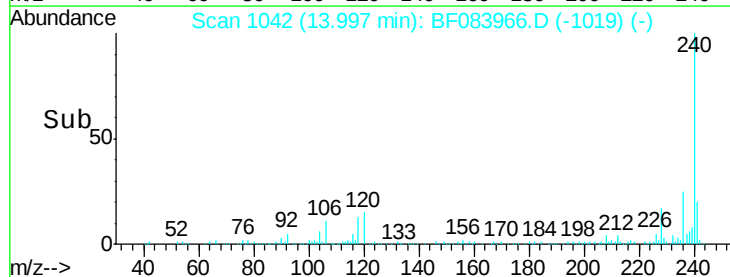
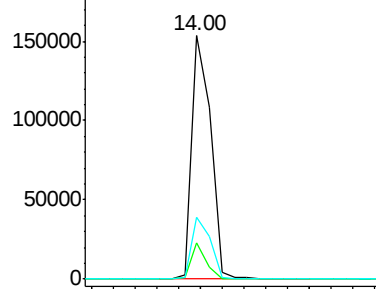


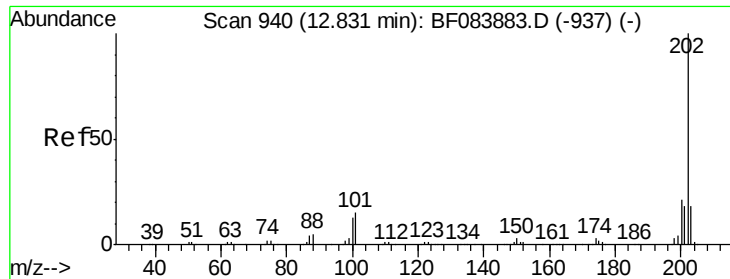
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion: 240 Resp: 186782
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 25.3 20.6 31.0



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

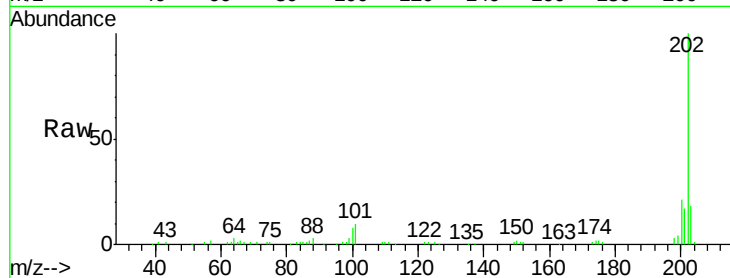




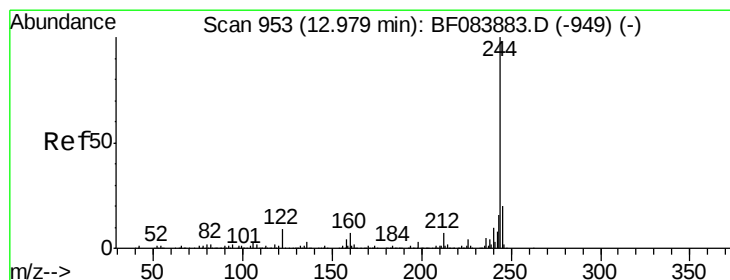
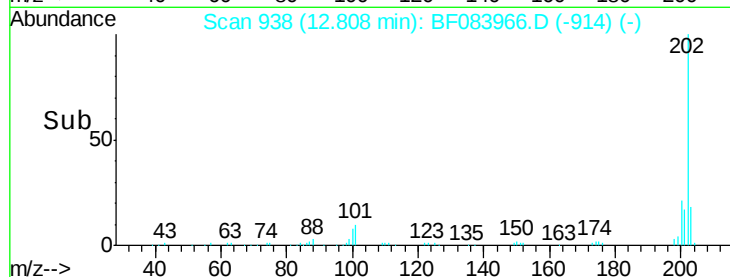
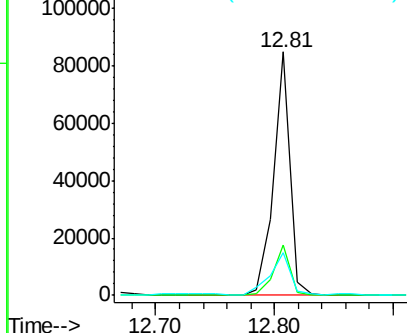
#77
Pyrene
 Concen: 3.80 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Instrument :
 BNA_F
 ClientSampled :
 LTCWC-04

Tgt Ion: 202 Resp: 81446
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.2 25.8
 203 17.6 14.3 21.5

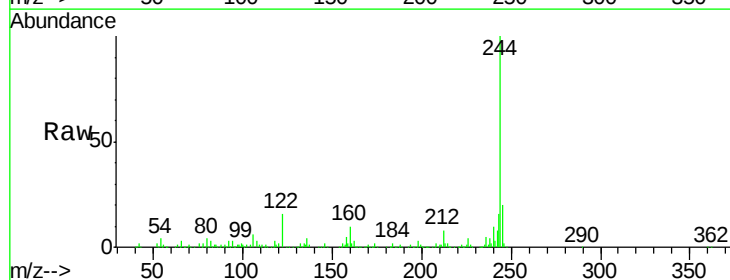


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

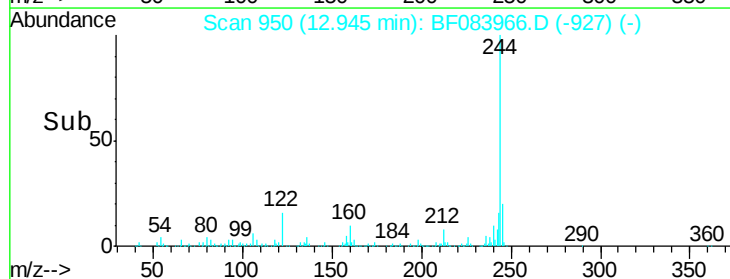
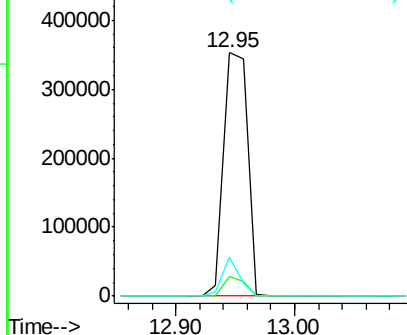


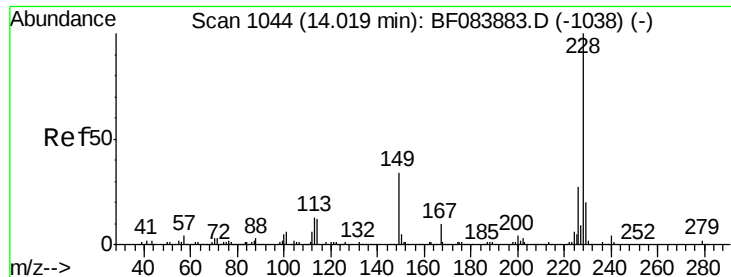
#78
Terphenyl-d14
 Concen: 59.71 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.03 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Tgt Ion: 244 Resp: 491955
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 15.9 7.4 11.0#



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: 5.69 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

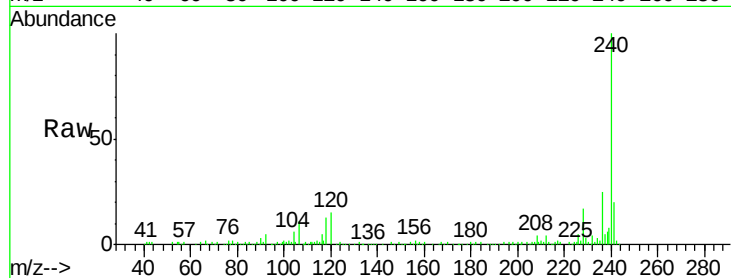
Instrument :

BNA_F

ClientSampleId :

LTCWC-04

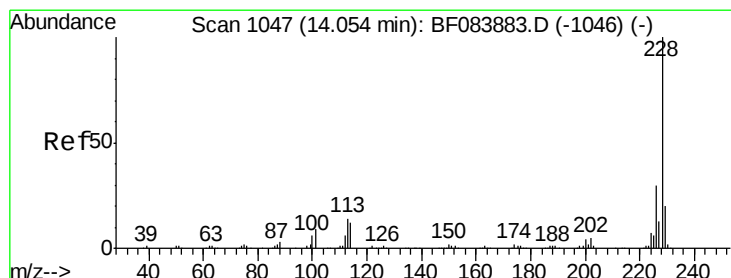
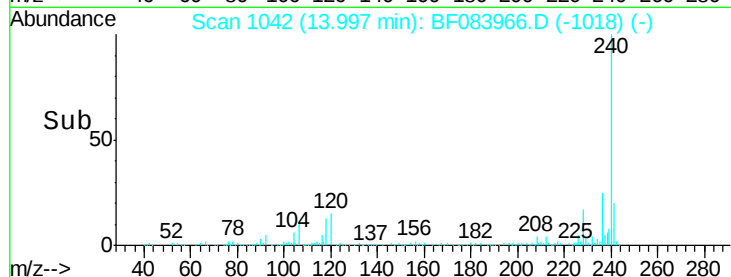
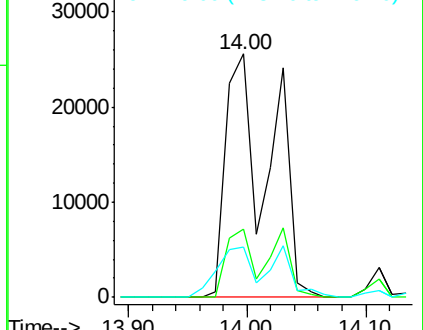
Tgt Ion:	228	Resp:	65322
Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.6
229	20.8	15.8	23.8



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: 5.89 ng

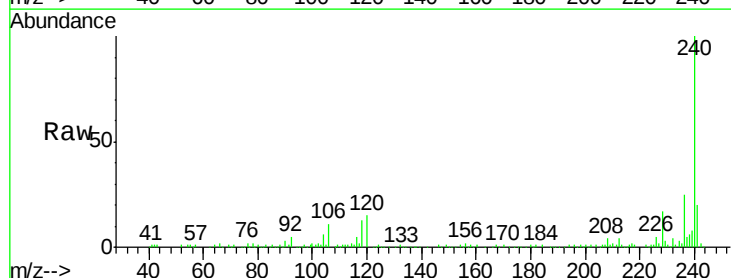
RT: 14.00 min Scan# 1042

Delta R.T. -0.06 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

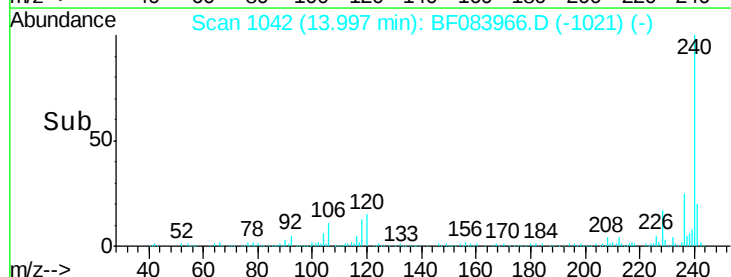
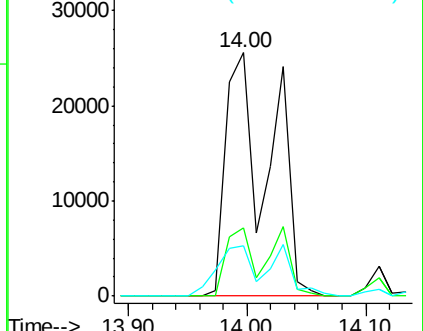
Tgt Ion:	228	Resp:	65322
Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.3	36.5
229	20.8	16.1	24.1

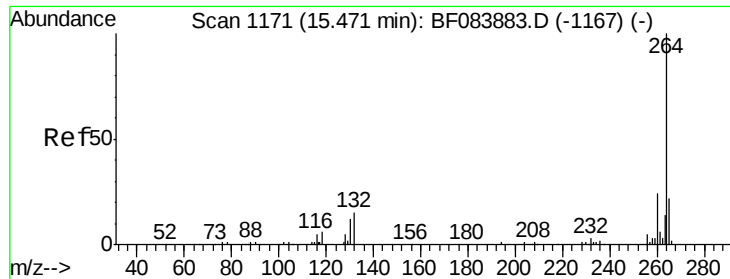


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.44 min Scan# 1168

Delta R.T. -0.03 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Instrument :

BNA_F

ClientSampleId :

LTCWC-04

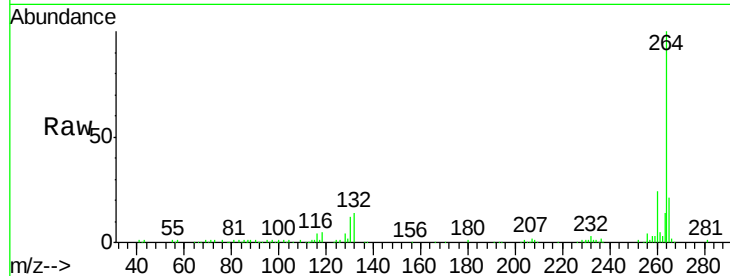
Tgt Ion:264 Resp: 146260

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

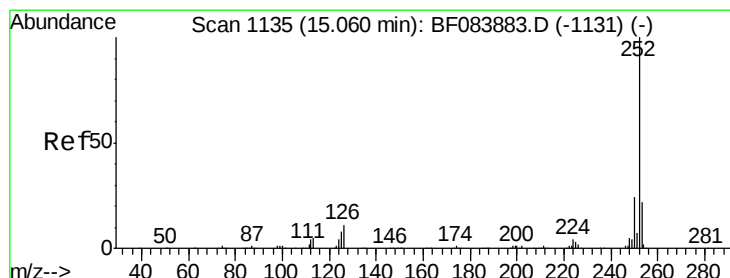
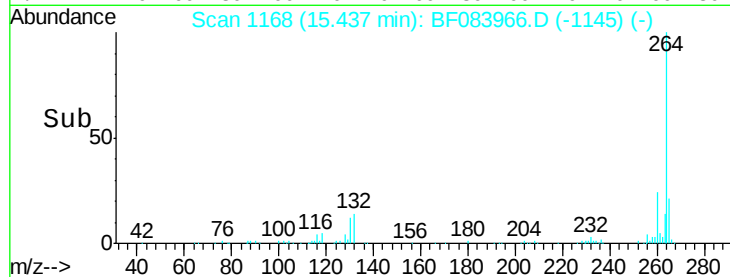
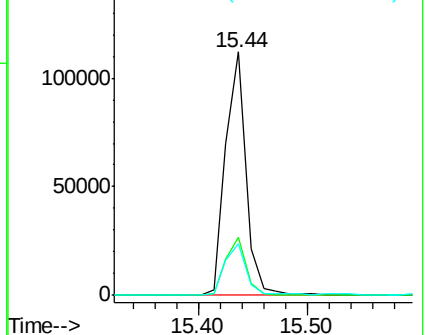
265 21.0 17.8 26.6



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: 4.25 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.03 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

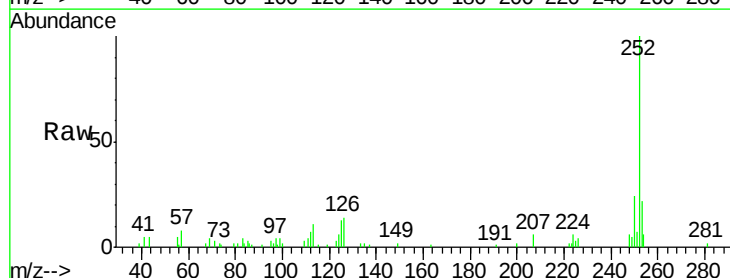
Tgt Ion:252 Resp: 45295

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

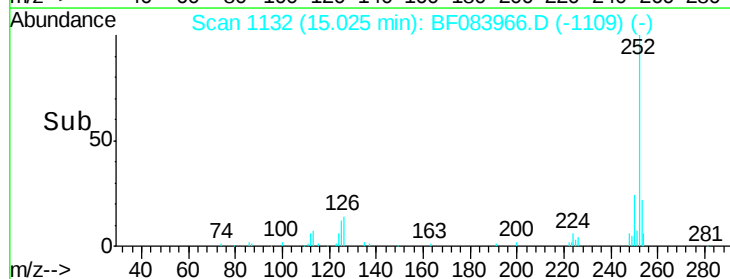
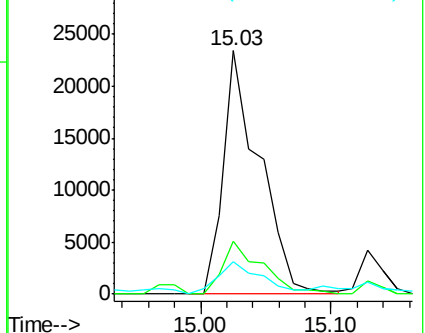
125 13.4 6.5 9.7#

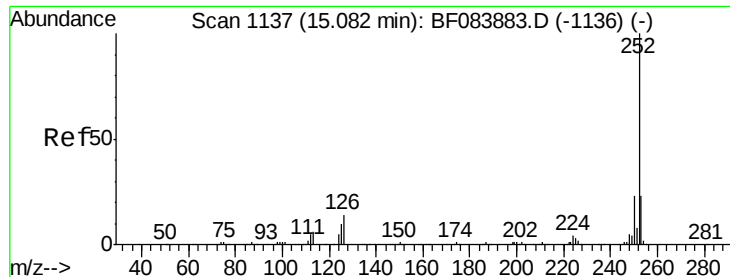


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

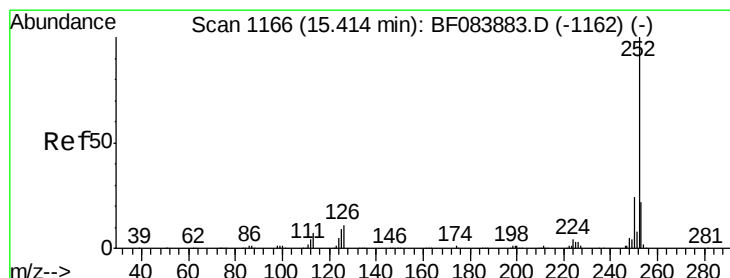
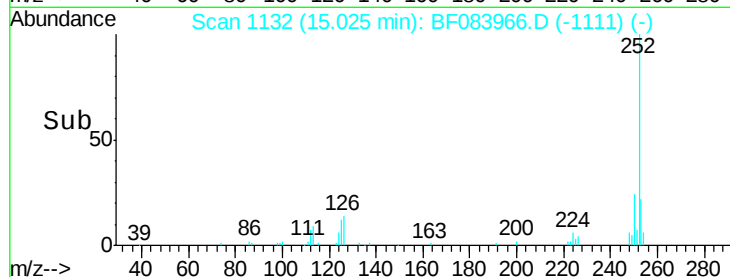
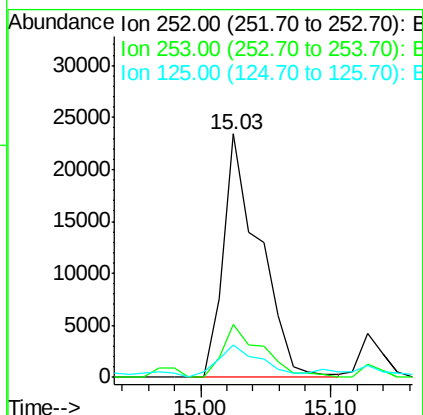
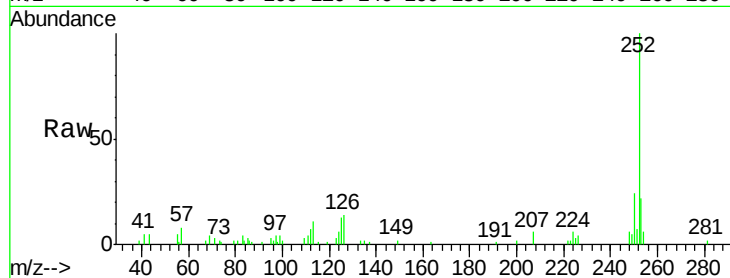




#88
Benzo(k)fluoranthene
Concen: 5.15 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.06 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Instrument :
BNA_F
ClientSampleId :
LTCWC-04

Tgt Ion: 252 Resp: 45295
Ion Ratio Lower Upper
252 100
253 21.6 18.1 27.1
125 13.4 9.0 13.6



#89
Benzo(a)pyrene
Concen: 2.68 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion: 252 Resp: 23568
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 10.3 7.0 10.4

