

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
 Data File : BF081028.D
 Acq On : 18 Aug 2015 4:17
 Operator : UM/IZ
 Sample : G3310-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS02-0012-01

Quant Time: Aug 18 05:10:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	61784	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	213754	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	94743	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	168276	20.00	ng	0.00
75) Chrysene-d12	13.75	240	119732	20.00	ng	0.00
86) Perylene-d12	15.11	264	111674	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	447937	109.05	ng	0.02
7) Phenol-d6	6.27	99	549441	102.52	ng	0.01
23) Nitrobenzene-d5	7.20	82	407031	86.99	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	87012	105.95	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	563759	77.97	ng	0.00
78) Terphenyl-d14	12.72	244	371386	66.50	ng	0.01

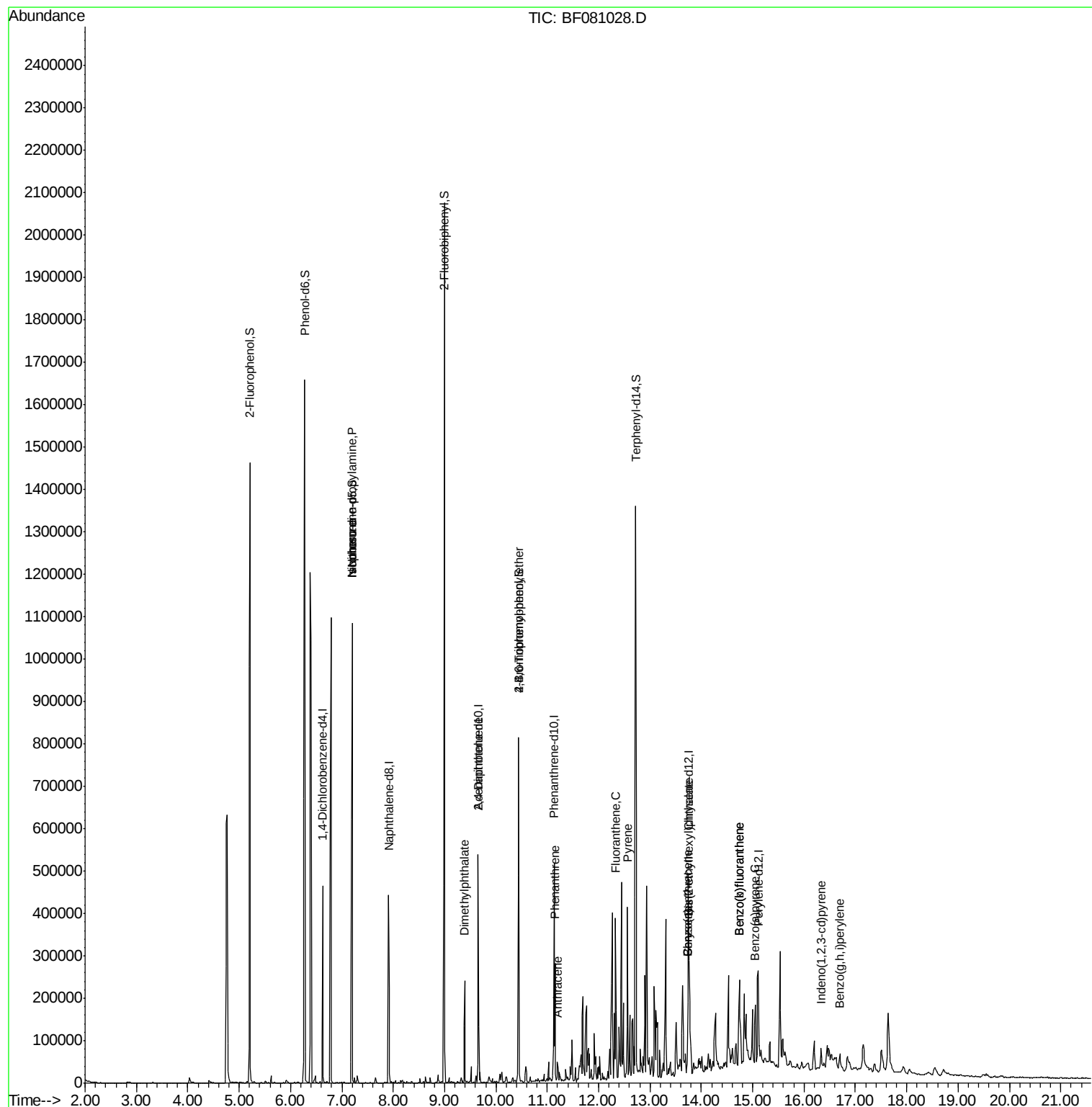
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.20	70	53888	14.51	ng	# 66
25) Isophorone	7.20	82	396287	45.41	ng	# 71
49) Dimethylphthalate	9.39	163	112489	14.42	ng	99
56) 2,4-Dinitrotoluene	9.66	165	12445	5.60	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	6816	4.12	ng	# 1
70) Phenanthrene	11.15	178	90382	9.06	ng	98
71) Anthracene	11.20	178	19771	2.04	ng	98
74) Fluoranthene	12.33	202	148933	13.84	ng	93
77) Pyrene	12.56	202	140223	14.41	ng	98
80) Benzo(a)anthracene	13.74	228	77299	9.63	ng	95
82) Chrysene	13.74	228	77299	10.68	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	16579	3.09	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.33	276	33400	6.57	ng	# 90
87) Benzo(b)fluoranthene	14.74	252	133296	16.87	ng	97
88) Benzo(k)fluoranthene	14.74	252	133296	18.11	ng	98
89) Benzo(a)pyrene	15.05	252	60892	8.85	ng	97
91) Benzo(a,h,i)perylene	16.70	276	29389	5.40	ng	# 91

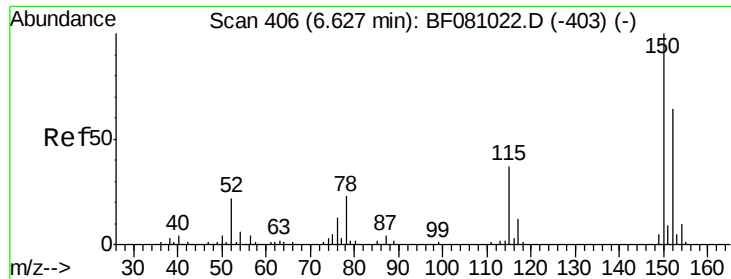
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

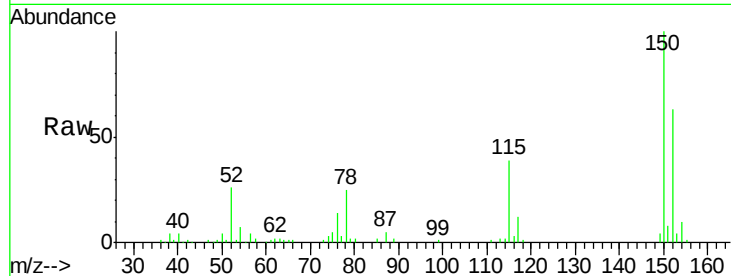
Tot Ion:152 Resp: 61784

Ion Ratio Lower Upper

152 100

150 159.9 123.8 185.6

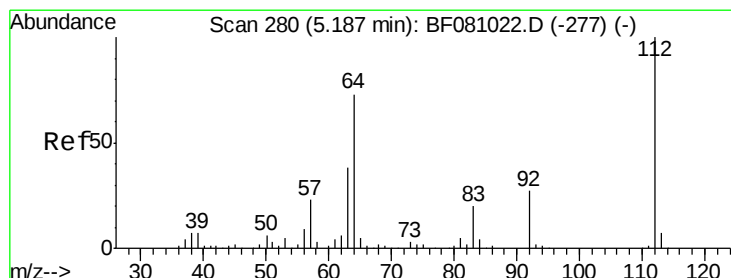
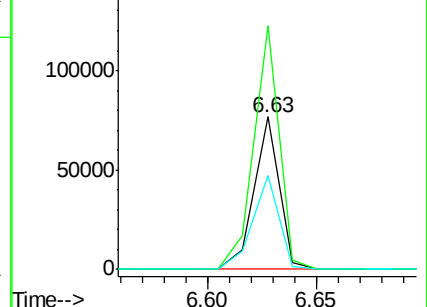
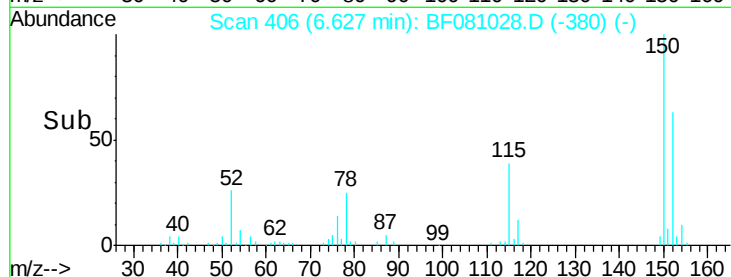
115 61.8 52.1 78.1



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: 109.05 ng

RT: 5.21 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

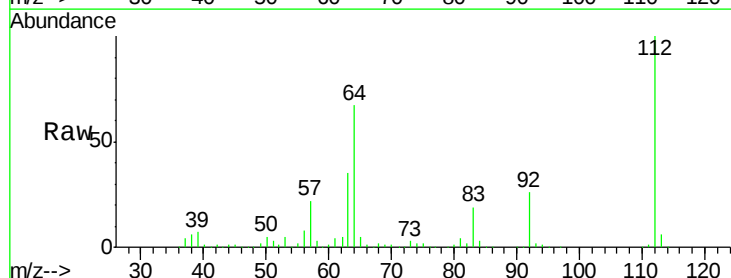
Tgt Ion:112 Resp: 447937

Ion Ratio Lower Upper

112 100

64 66.9 66.9 100.3

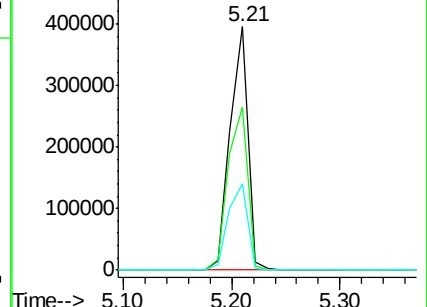
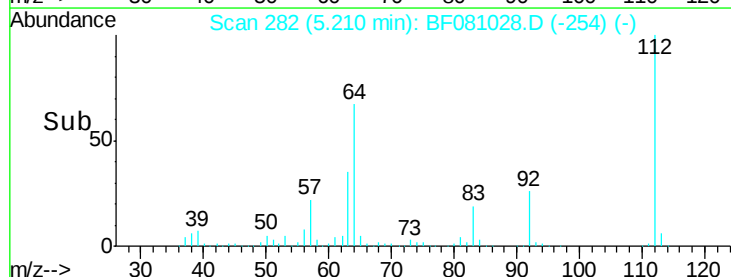
63 35.5 38.1 57.1#

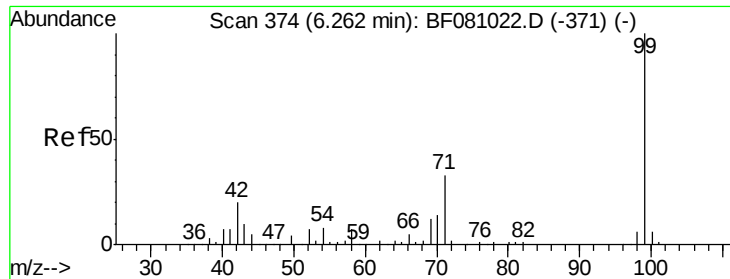


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.52 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

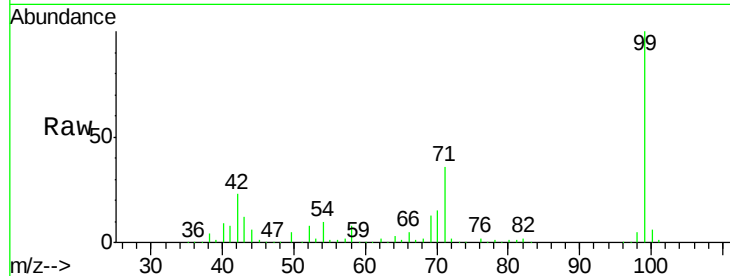
Tot Ion: 99 Resp: 549441

Ion Ratio Lower Upper

99 100

42 22.7 19.6 29.4

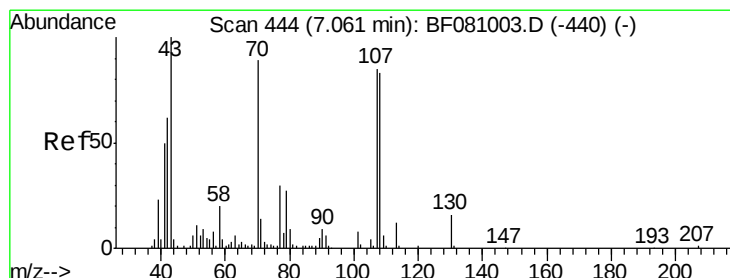
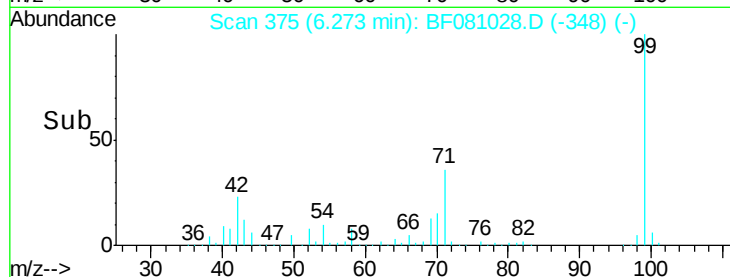
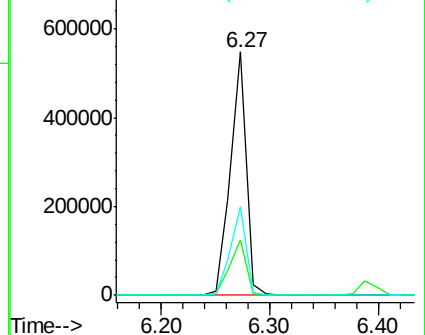
71 36.2 31.2 46.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.51 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.15 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Tgt Ion: 70 Resp: 53888

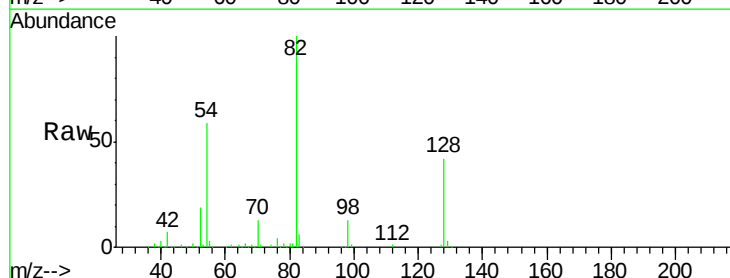
Ion Ratio Lower Upper

70 100

42 49.9 65.0 97.4#

101 0.0 7.4 11.2#

130 2.1 13.0 19.4#

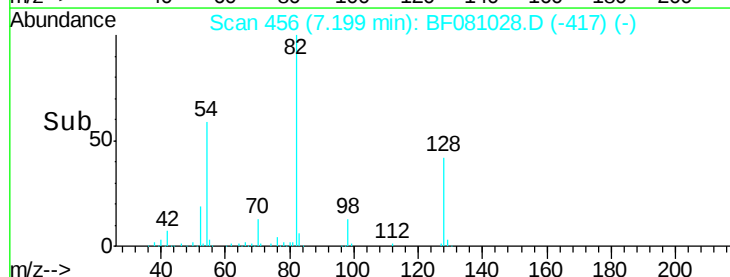
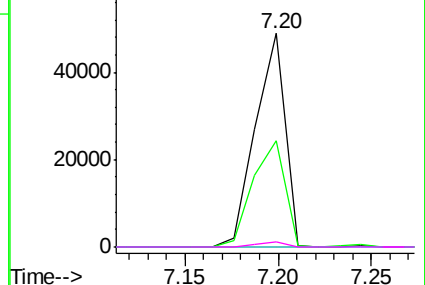


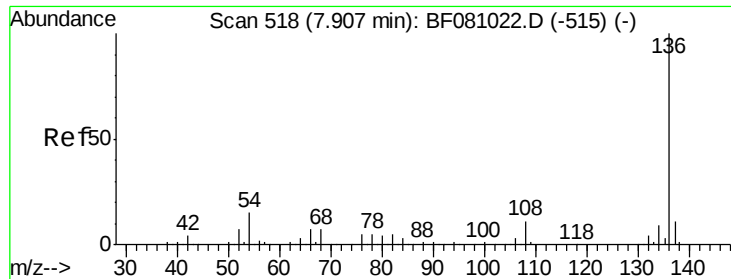
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

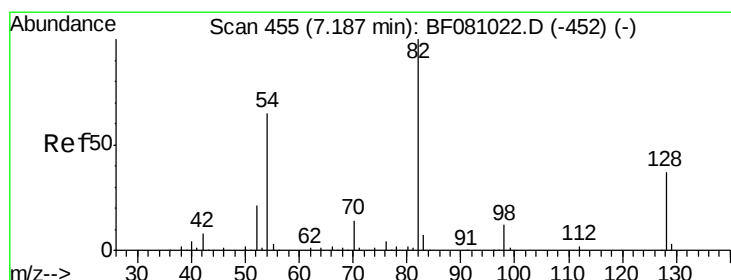
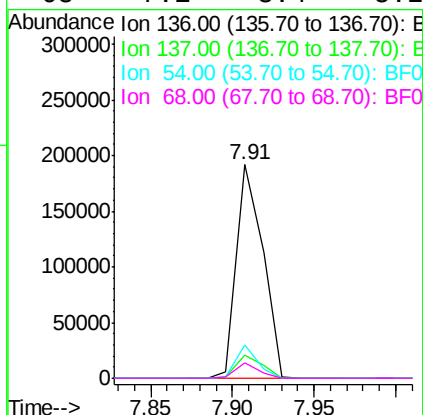
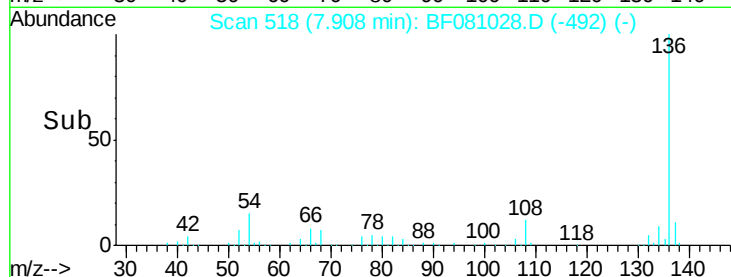
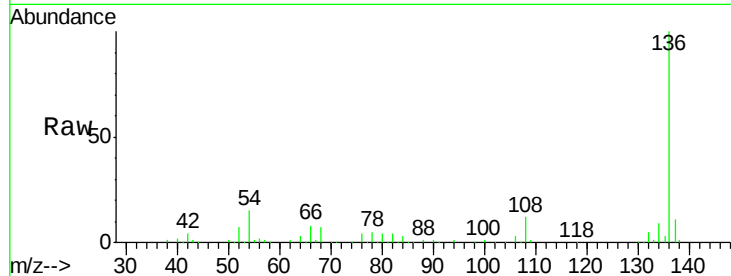




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 518
Delta R.T. 0.00 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

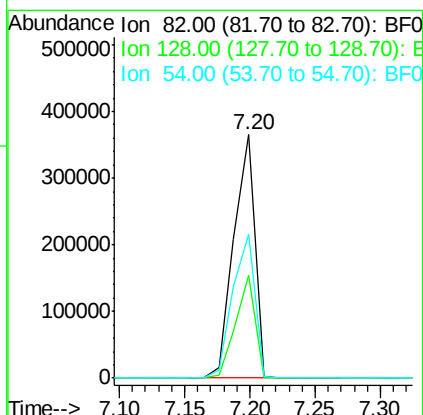
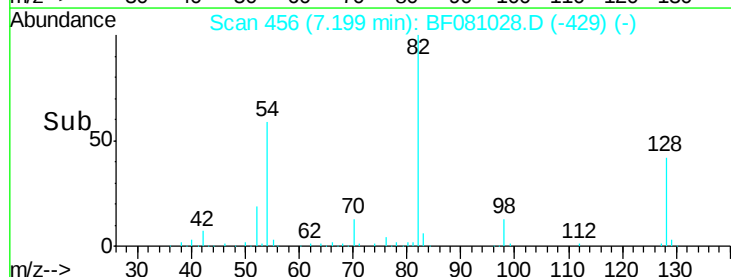
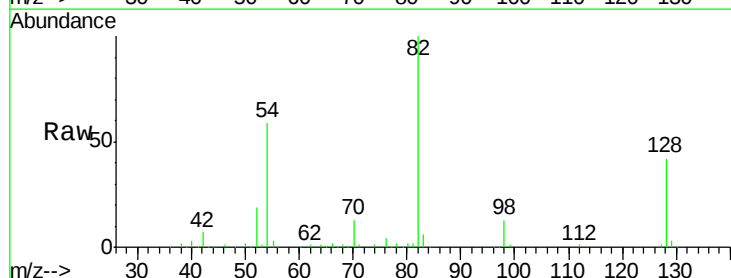
Instrument :
BNA_F
ClientSampleId :
P001-DS02-0012-01

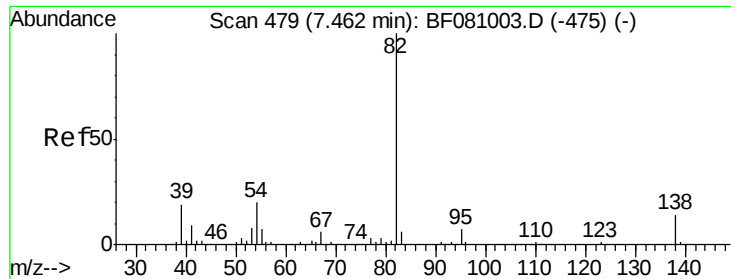
Tot Ion:136	Resp:	213754
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.2 12.2
54	15.3	7.7 11.5#
68	7.1	3.4 5.2#



#23
Nitrobenzene-d5
Concen: 86.99 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

Tgt Ion: 82	Resp:	407031
Ion Ratio	Lower	Upper
82	100	
128	42.3	28.6 42.8
54	59.2	55.1 82.7





#25

Isophorone

Concen: 45.41 ng

RT: 7.20 min Scan# 456

Delta R.T. -0.25 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

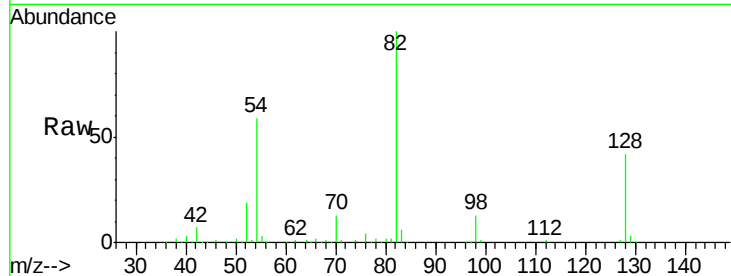
Tot Ion: 82 Resp: 396287

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

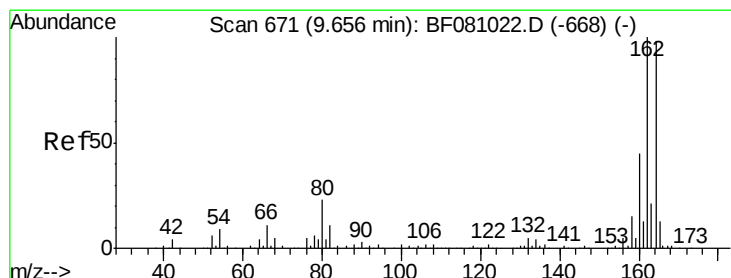
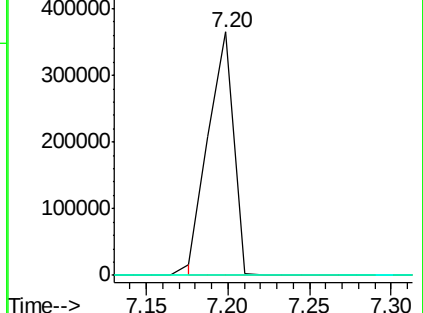
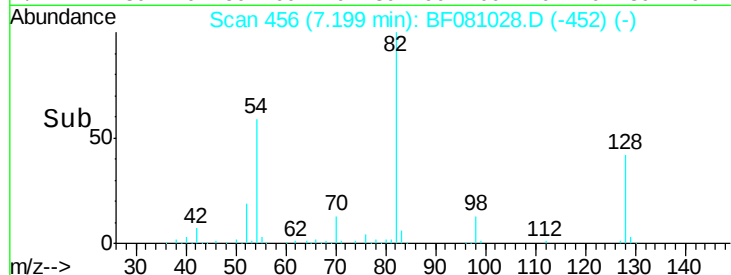
138 0.0 10.5 15.7#



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: 9.66 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

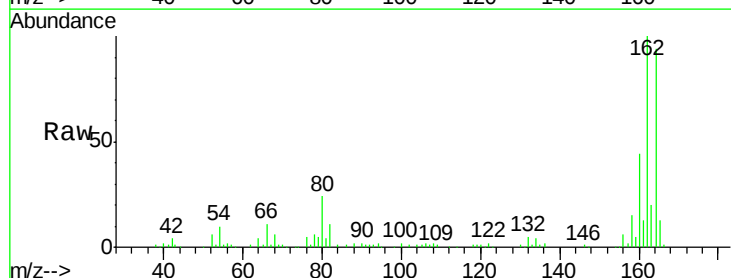
Tgt Ion: 164 Resp: 94743

Ion Ratio Lower Upper

164 100

162 106.3 83.8 125.8

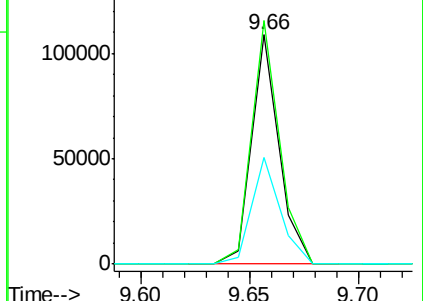
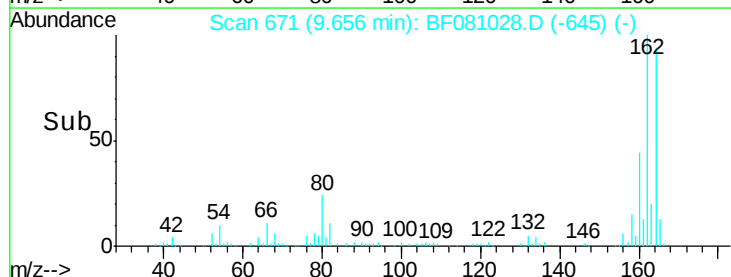
160 46.6 39.8 59.8

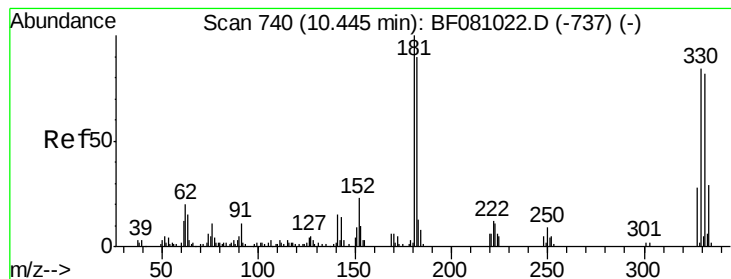


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 105.95 ng

RT: 10.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

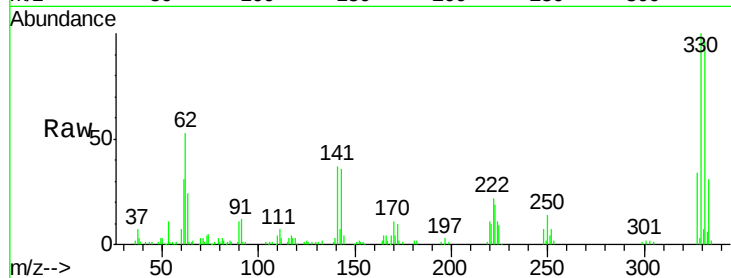
Tot Ion:330 Resp: 87012

Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

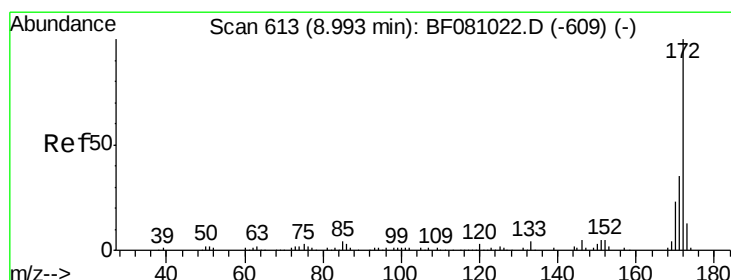
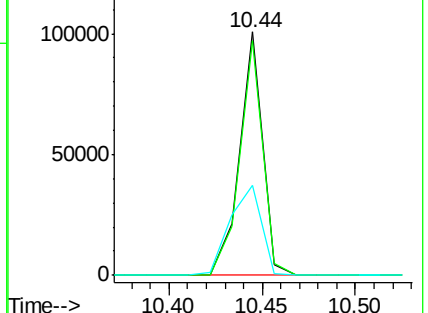
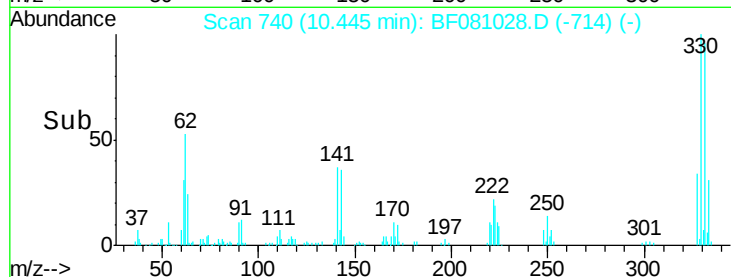
141 50.3 44.9 67.3



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: 77.97 ng

RT: 8.99 min Scan# 613

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

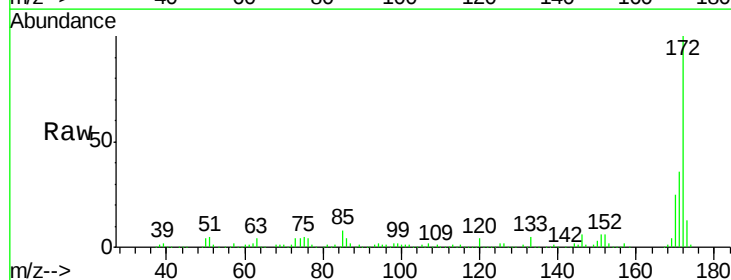
Tgt Ion:172 Resp: 563759

Ion Ratio Lower Upper

172 100

171 36.3 28.9 43.3

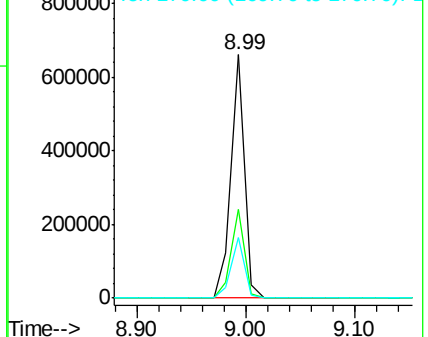
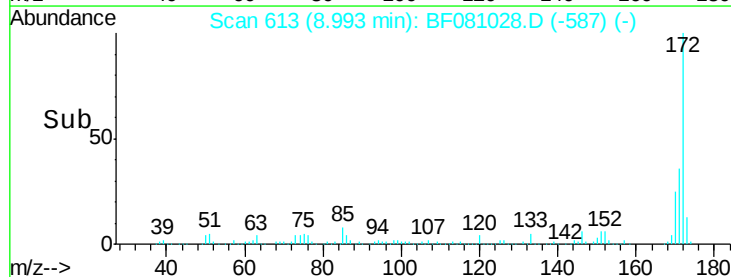
170 24.9 19.4 29.2

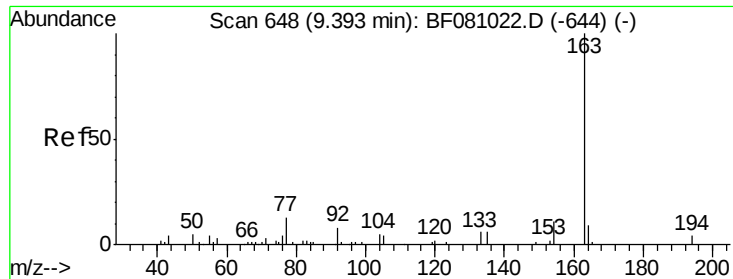


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

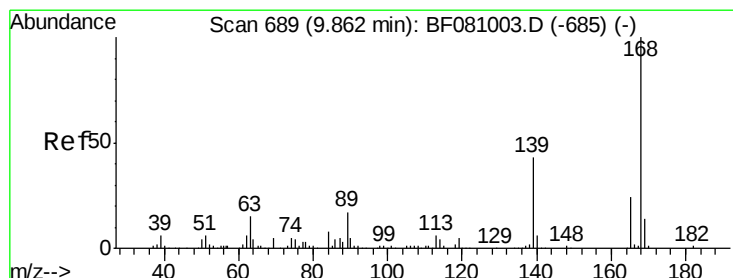
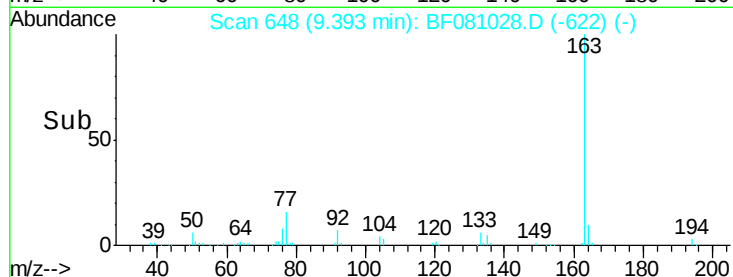
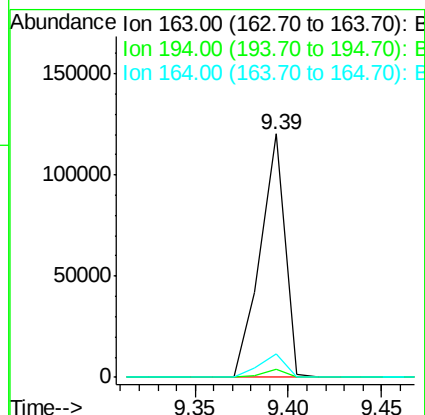
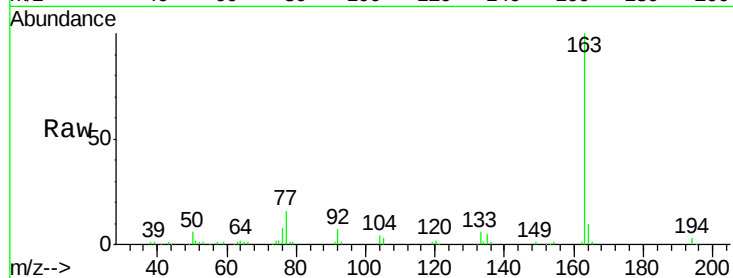




#49
Dimethylphthalate
Concen: 14.42 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

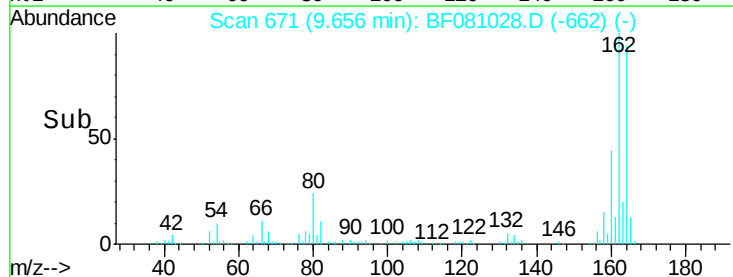
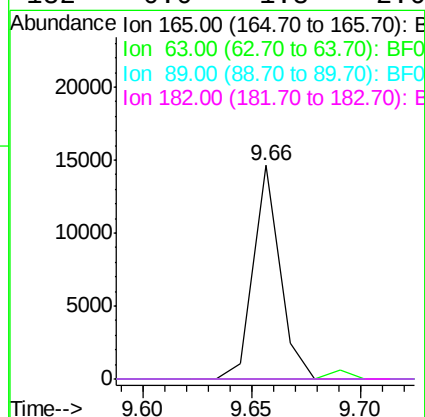
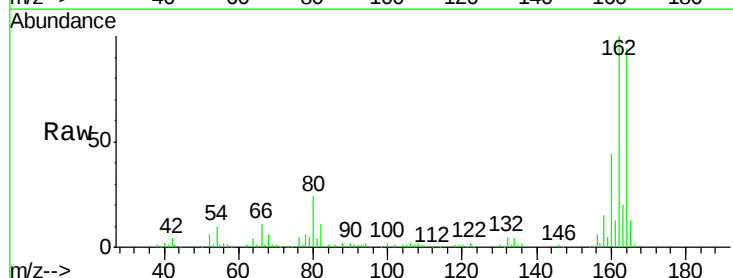
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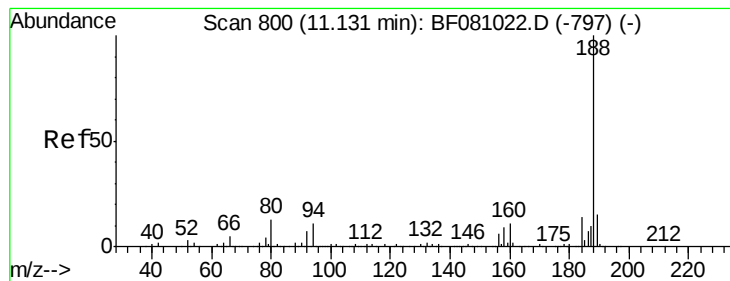
Tot Ion:163 Resp: 112489
Ion Ratio Lower Upper
163 100
194 3.4 2.5 3.7
164 9.7 8.1 12.1



#56
2,4-Dinitrotoluene
Concen: 5.60 ng
RT: 9.66 min Scan# 671
Delta R.T. -0.19 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

Tgt Ion:165 Resp: 12445
Ion Ratio Lower Upper
165 100
63 0.0 52.2 78.4#
89 0.0 60.1 90.1#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

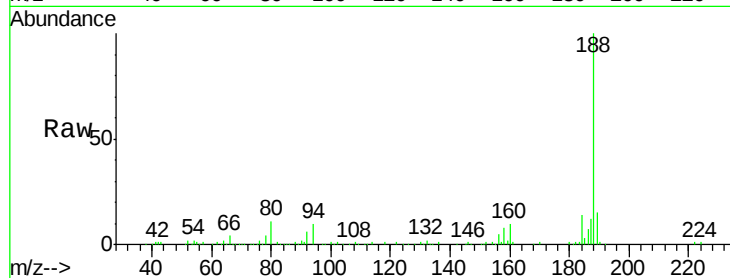
Tot Ion:188 Resp: 168276

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

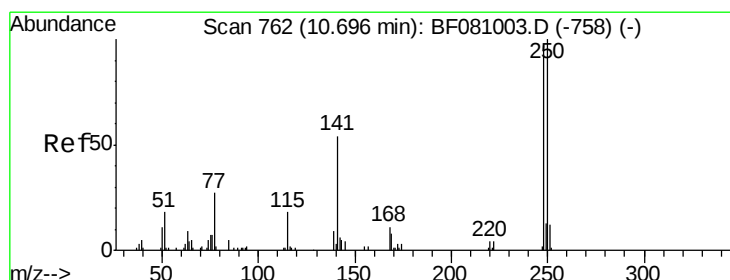
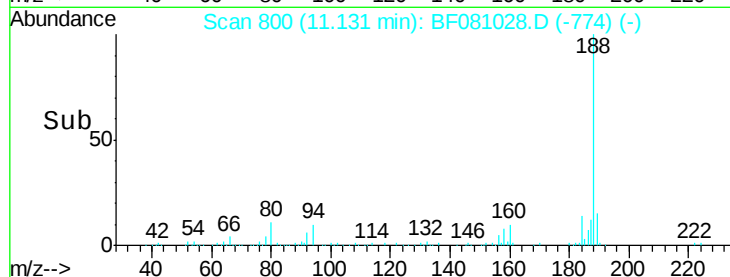
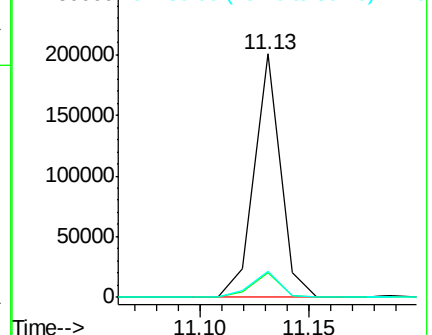
80 10.7 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 4.12 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

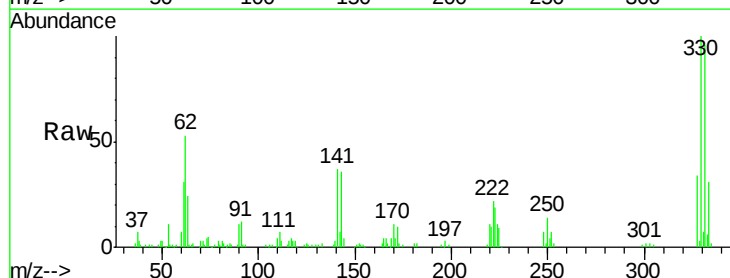
Tgt Ion:248 Resp: 6816

Ion Ratio Lower Upper

248 100

250 192.7 77.8 116.6#

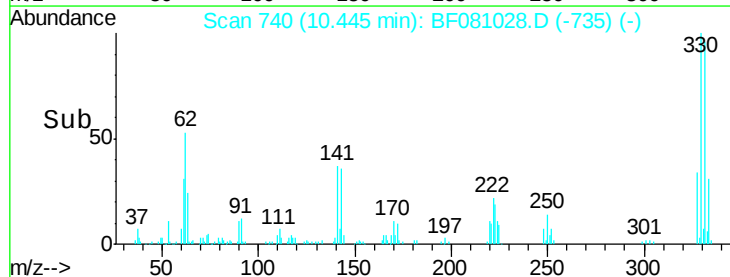
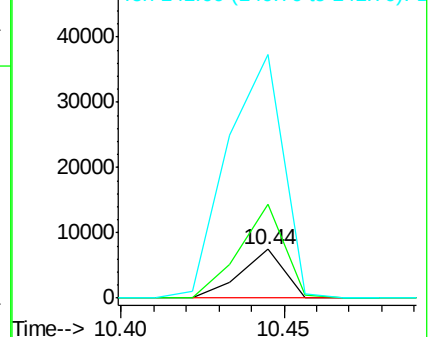
141 499.9 39.8 59.6#

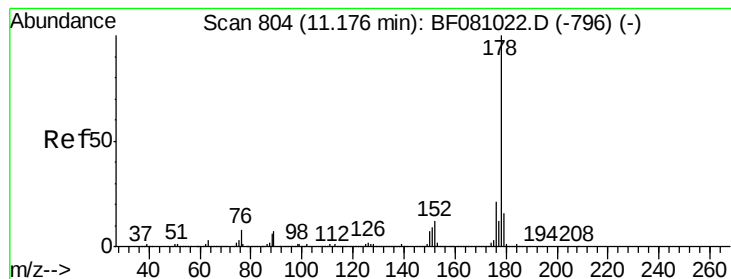


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 9.06 ng

RT: 11.15 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

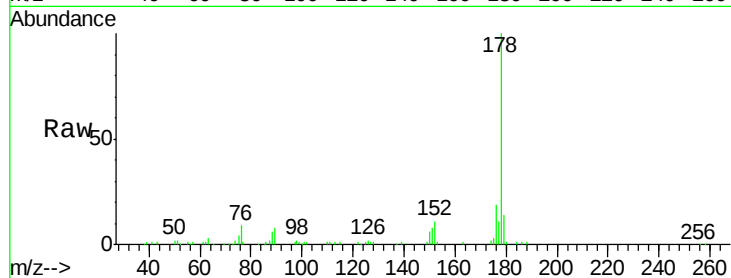
Tot Ion:178 Resp: 90382

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

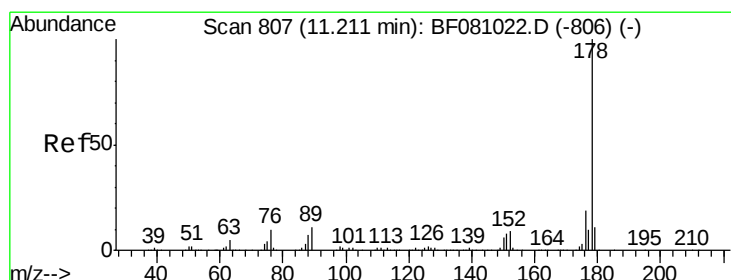
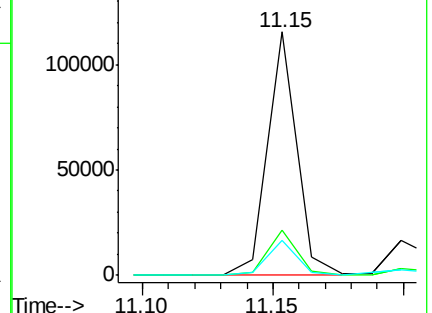
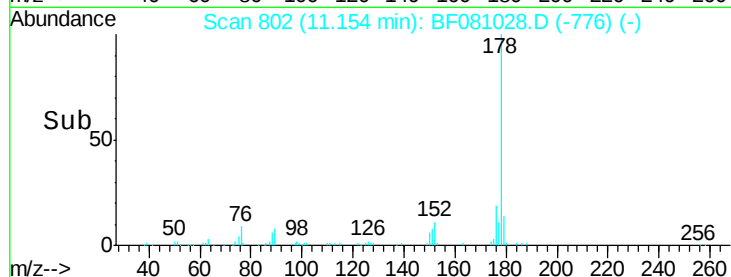
179 14.4 12.2 18.2



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



#71

Anthracene

Concen: 2.04 ng

RT: 11.20 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

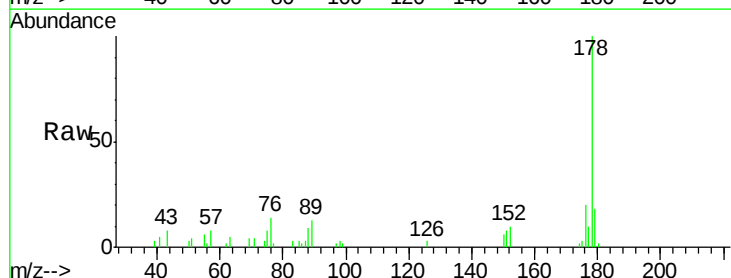
Tgt Ion:178 Resp: 19771

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

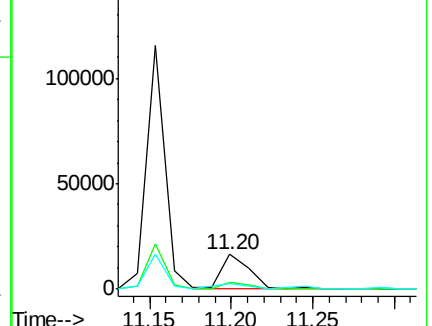
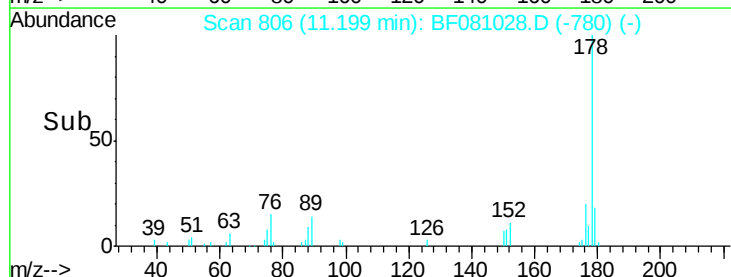
179 17.6 12.7 19.1

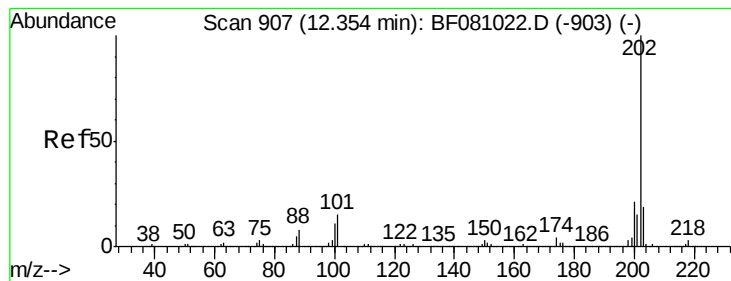


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.84 ng

RT: 12.33 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

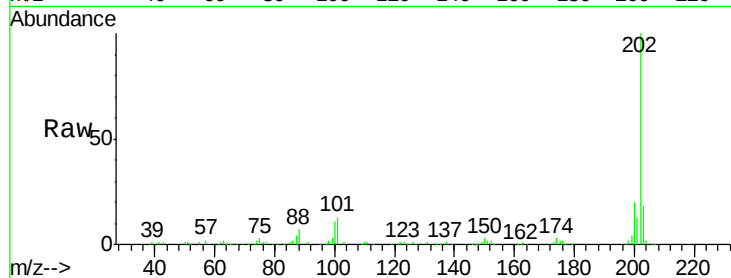
Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

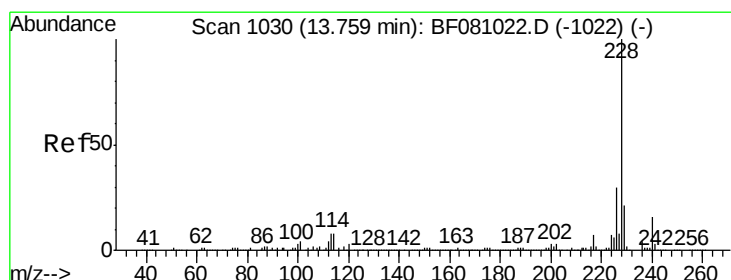
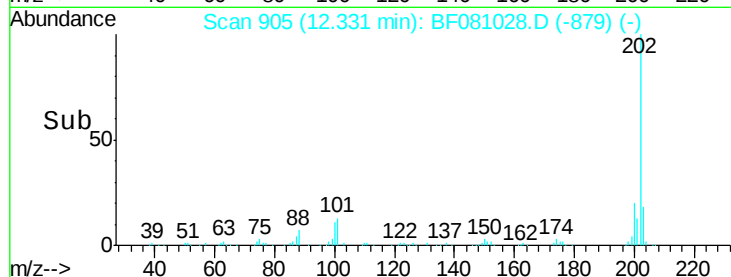
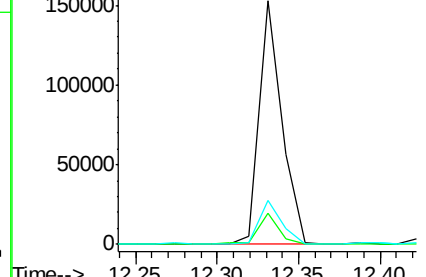
Tot Ion:	202	Resp:	148933
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	24.8
203	17.8	0.0	36.9



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

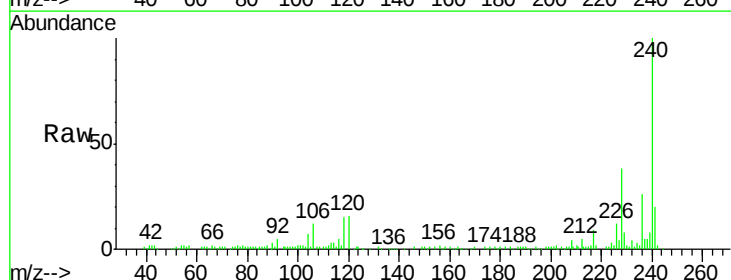
RT: 13.75 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

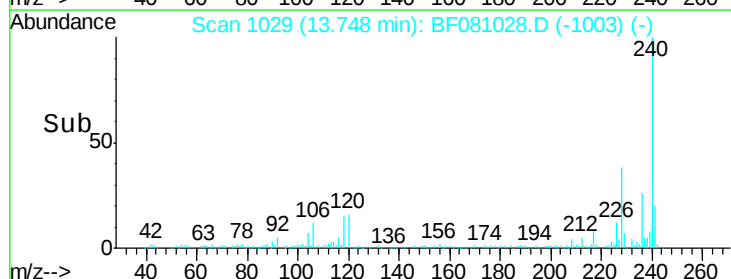
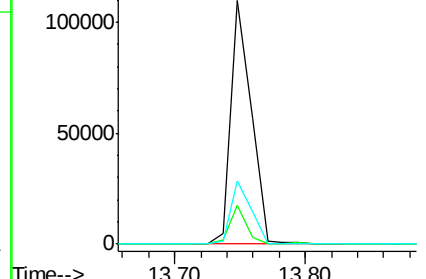
Tgt Ion:	240	Resp:	119732
Ion Ratio	Lower	Upper	
240	100		
120	15.9	5.6	8.4#
236	25.7	20.6	30.8

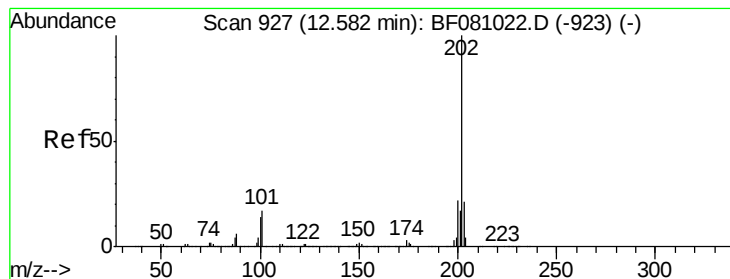


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.41 ng

RT: 12.56 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

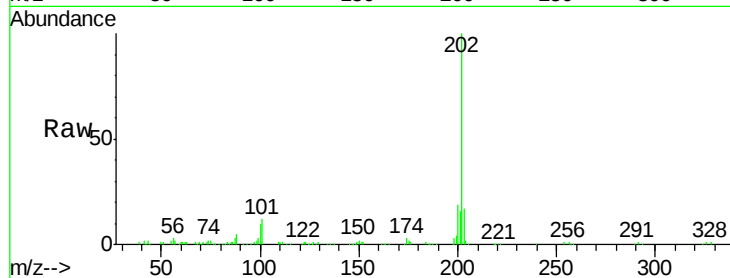
Tot Ion:202 Resp: 140223

Ion Ratio Lower Upper

202 100

200 19.2 16.6 24.8

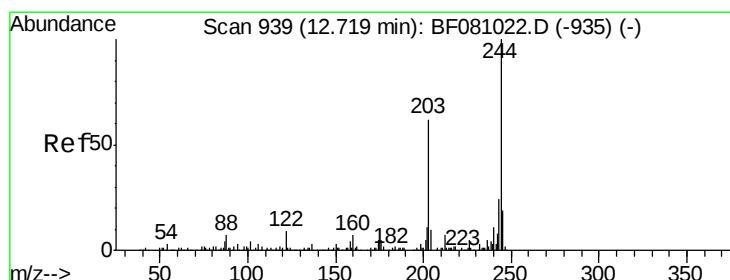
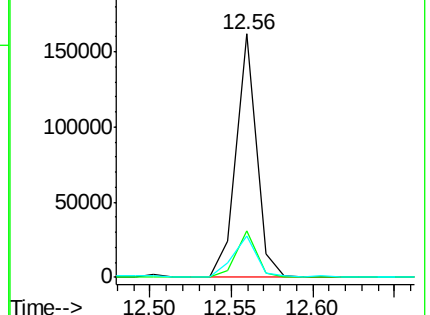
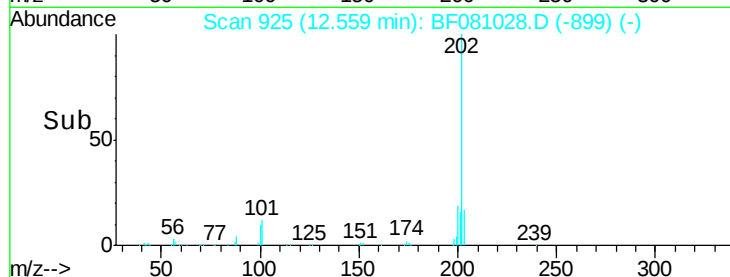
203 17.0 14.1 21.1



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: 66.50 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

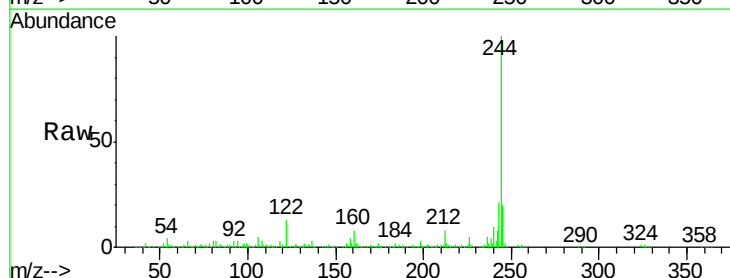
Tgt Ion:244 Resp: 371386

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

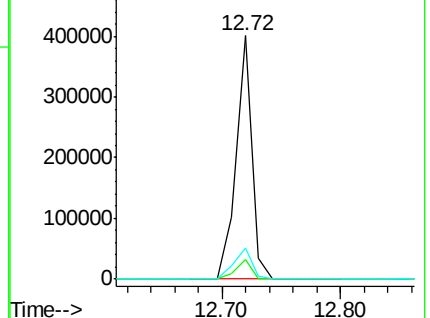
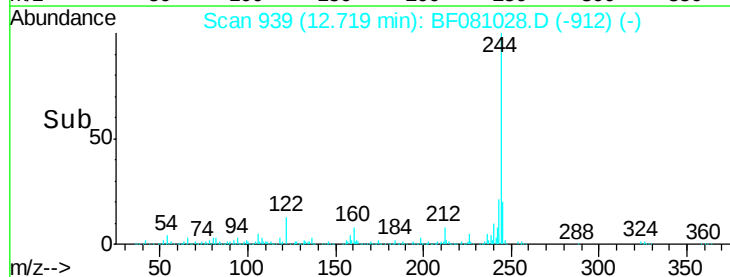
122 12.9 8.2 12.4#

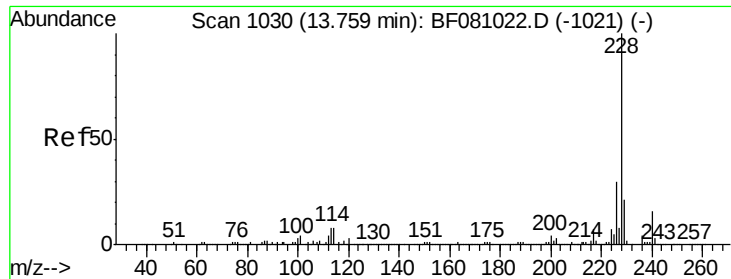


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.63 ng

RT: 13.74 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

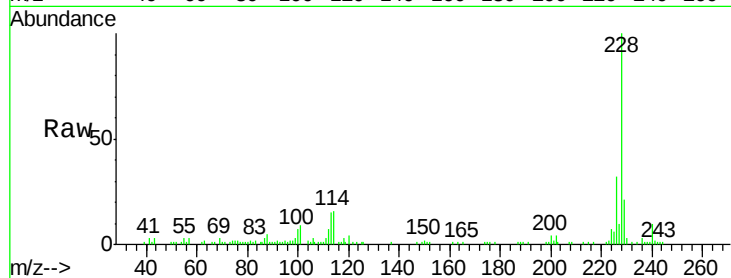
Tot Ion:228 Resp: 77299

Ion Ratio Lower Upper

228 100

226 31.8 22.3 33.5

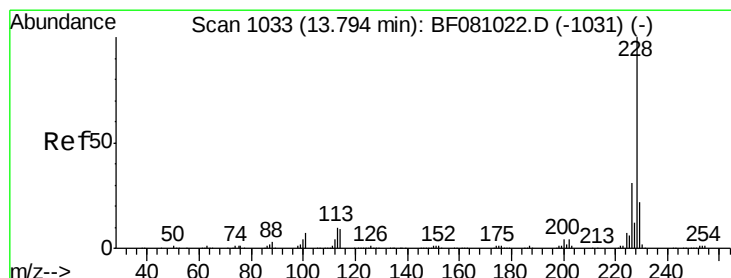
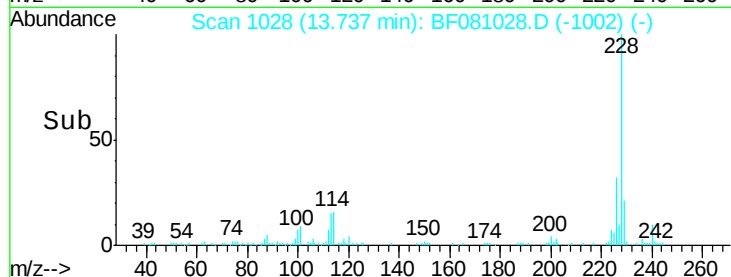
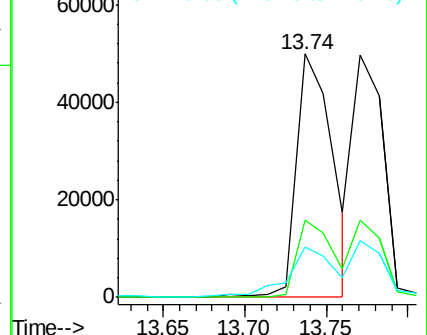
229 20.7 15.9 23.9



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: 10.68 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

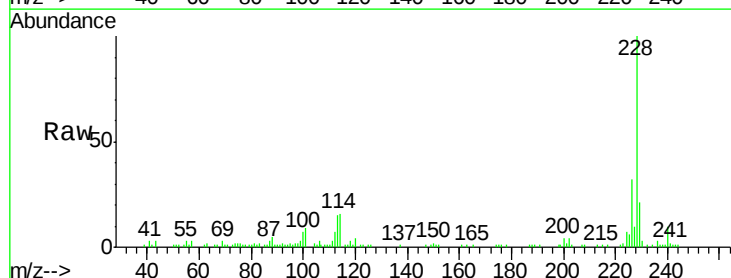
Tgt Ion:228 Resp: 77299

Ion Ratio Lower Upper

228 100

226 31.8 24.4 36.6

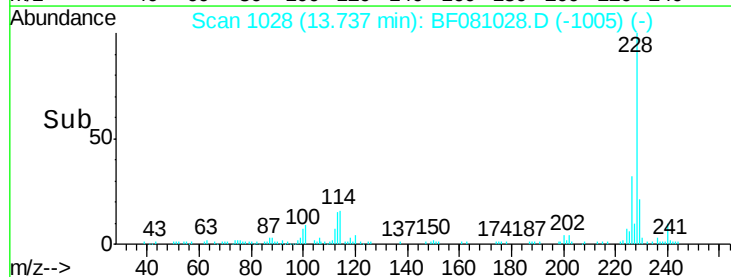
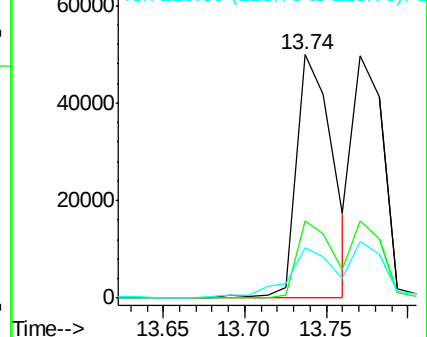
229 20.7 16.0 24.0

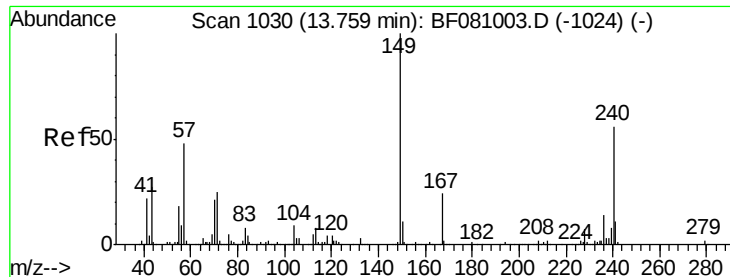


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.09 ng

RT: 13.76 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

Instrument :

BNA_F

ClientSampleId :

P001-DS02-0012-01

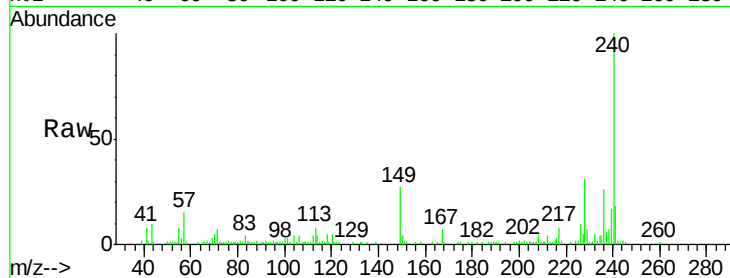
Tot Ion:149 Resp: 16579

Ion Ratio Lower Upper

149 100

167 24.5 20.7 31.1

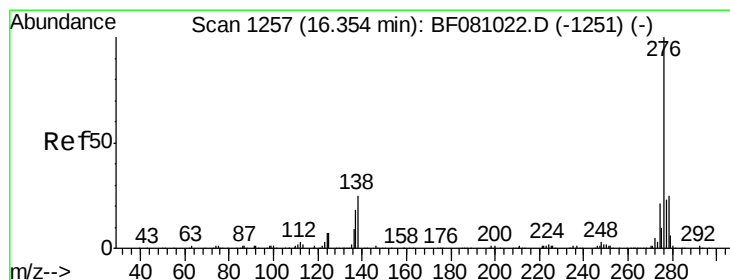
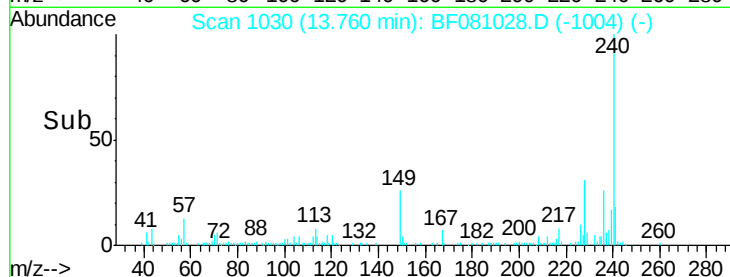
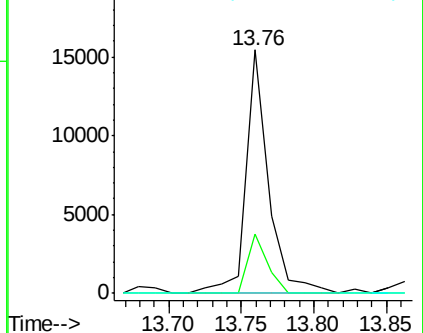
279 0.0 2.2 3.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.57 ng

RT: 16.33 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF081028.D

Acq: 18 Aug 2015 4:17

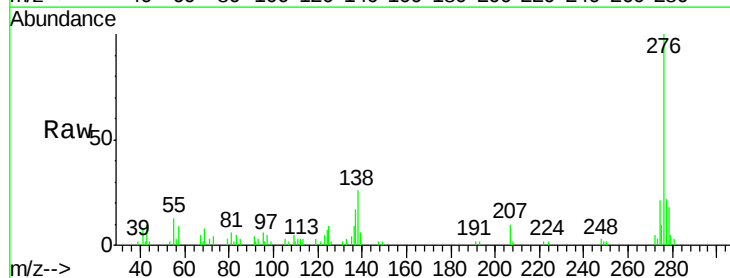
Tgt Ion:276 Resp: 33400

Ion Ratio Lower Upper

276 100

138 30.0 18.6 28.0#

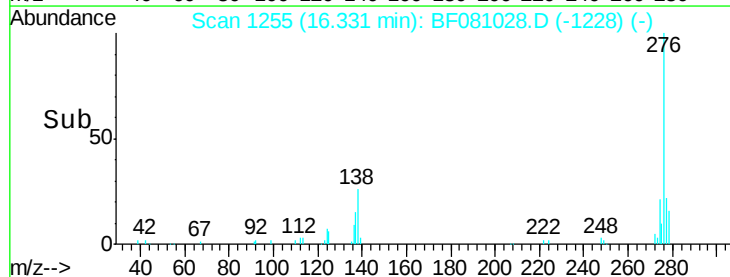
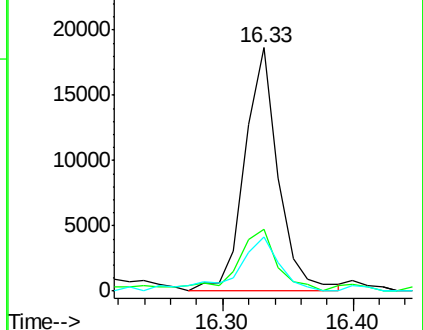
277 28.1 19.8 29.8

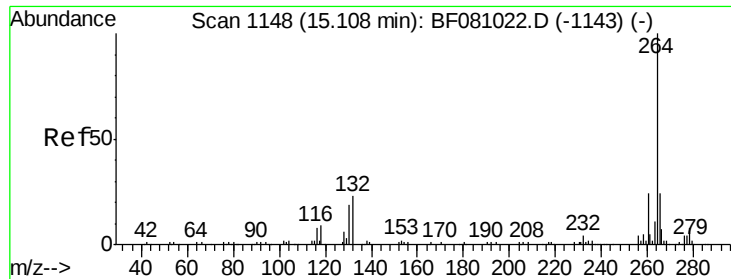


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

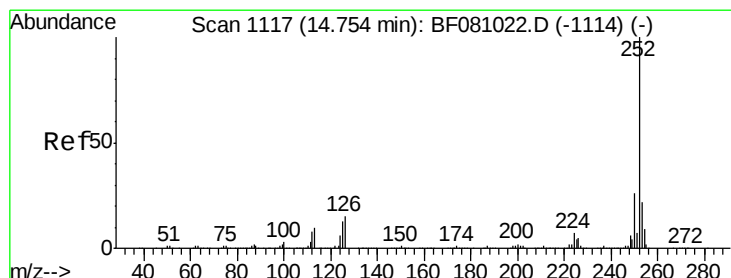
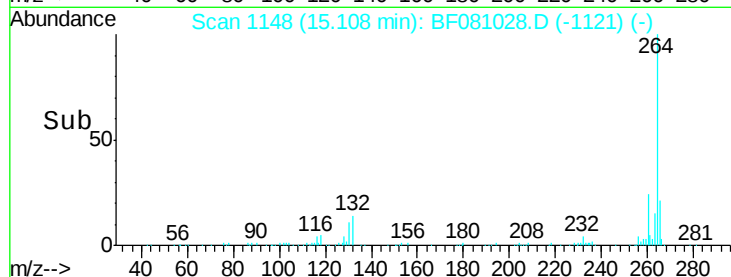
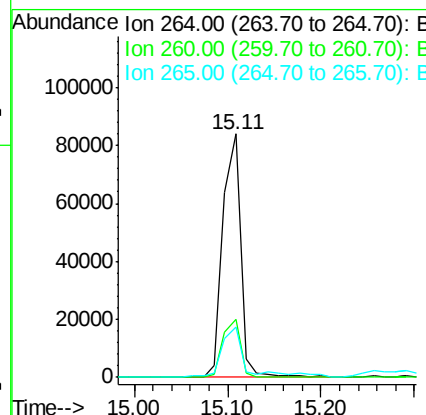
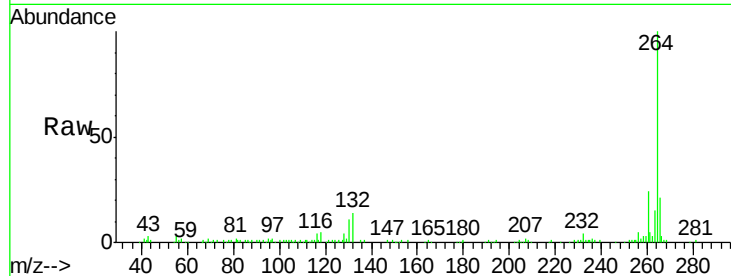




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

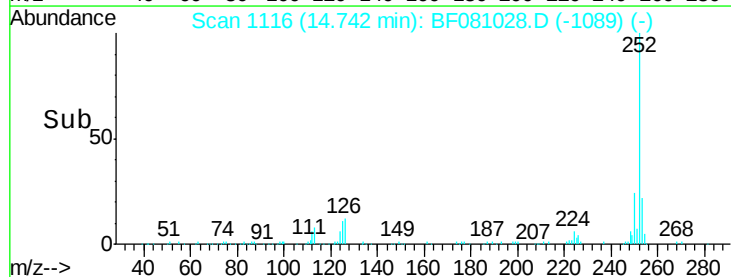
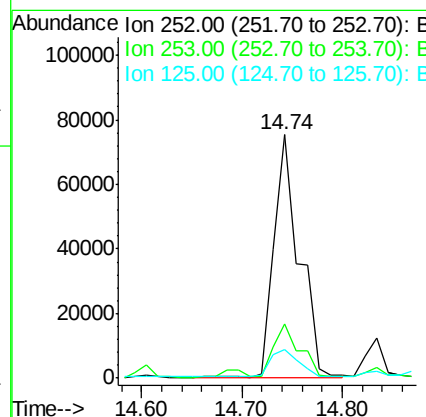
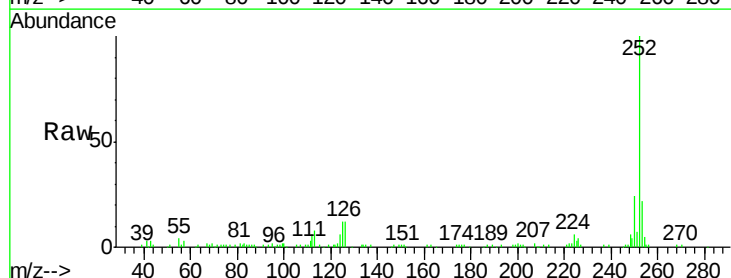
Instrument :
BNA_F
ClientSampleId :
P001-DS02-0012-01

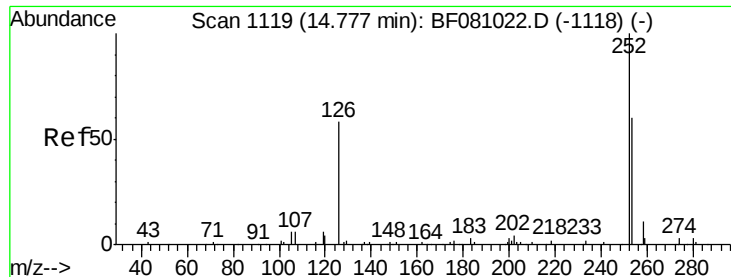
Tot Ion:264 Resp: 111674
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 20.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 16.87 ng
RT: 14.74 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

Tgt Ion:252 Resp: 133296
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 11.6 8.0 12.0

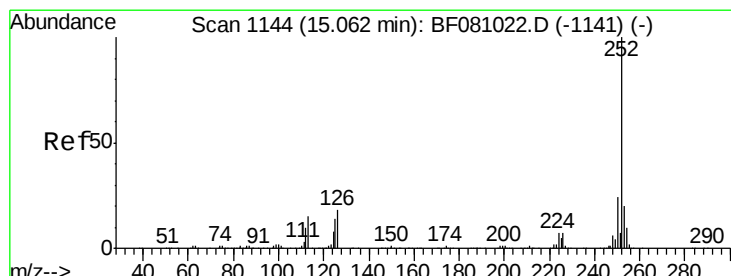
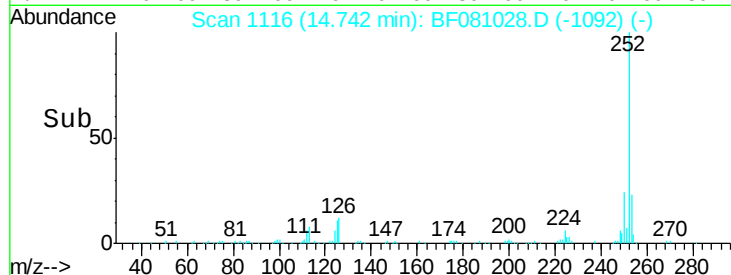
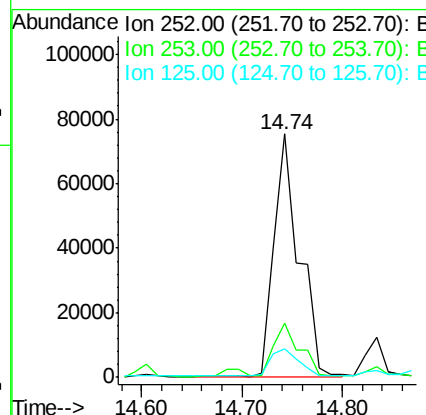
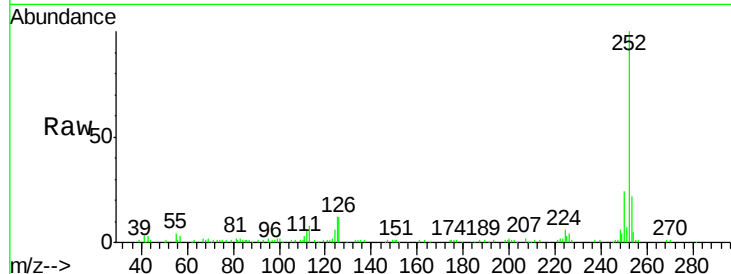




#88
Benzo(k)fluoranthene
Concen: 18.11 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

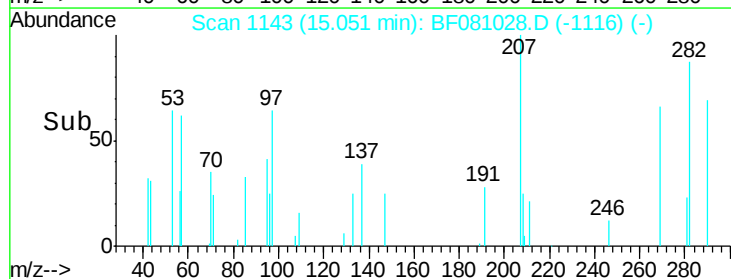
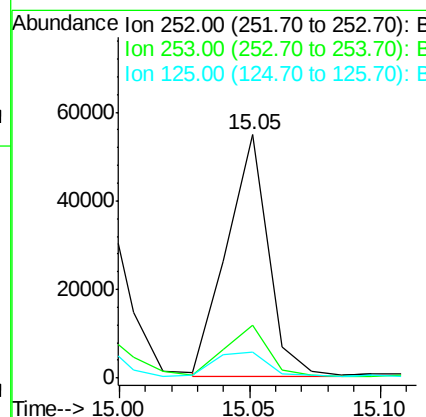
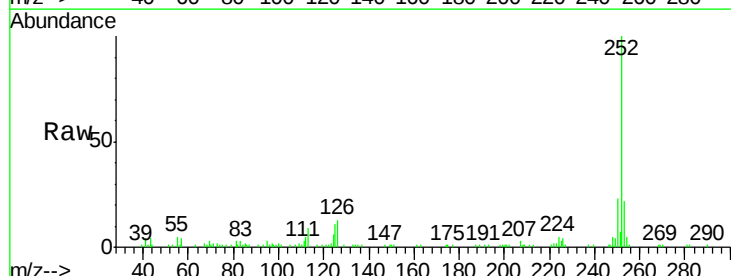
Instrument :
BNA_F
ClientSampleId :
P001-DS02-0012-01

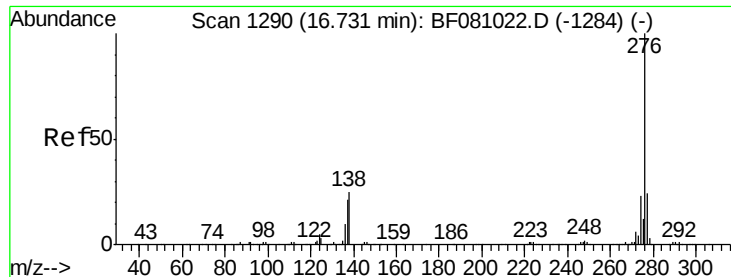
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	11.6	10.3	15.5



#89
Benzo(a)pyrene
Concen: 8.85 ng
RT: 15.05 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF081028.D
Acq: 18 Aug 2015 4:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.6	25.0
125	10.9	7.8	11.8





#91
 Benzo(a,h,i)perylene
 Concen: 5.40 ng
 RT: 16.70 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: BF081028.D
 Acq: 18 Aug 2015 4:17

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS02-0012-01

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	22.9	18.2	27.2	
138	25.7	13.7	20.5	

