

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081715\
 Data File : BF081040.D
 Acq On : 18 Aug 2015 10:34
 Operator : UM/IZ
 Sample : G3289-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-3

Quant Time: Aug 18 11:22:06 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

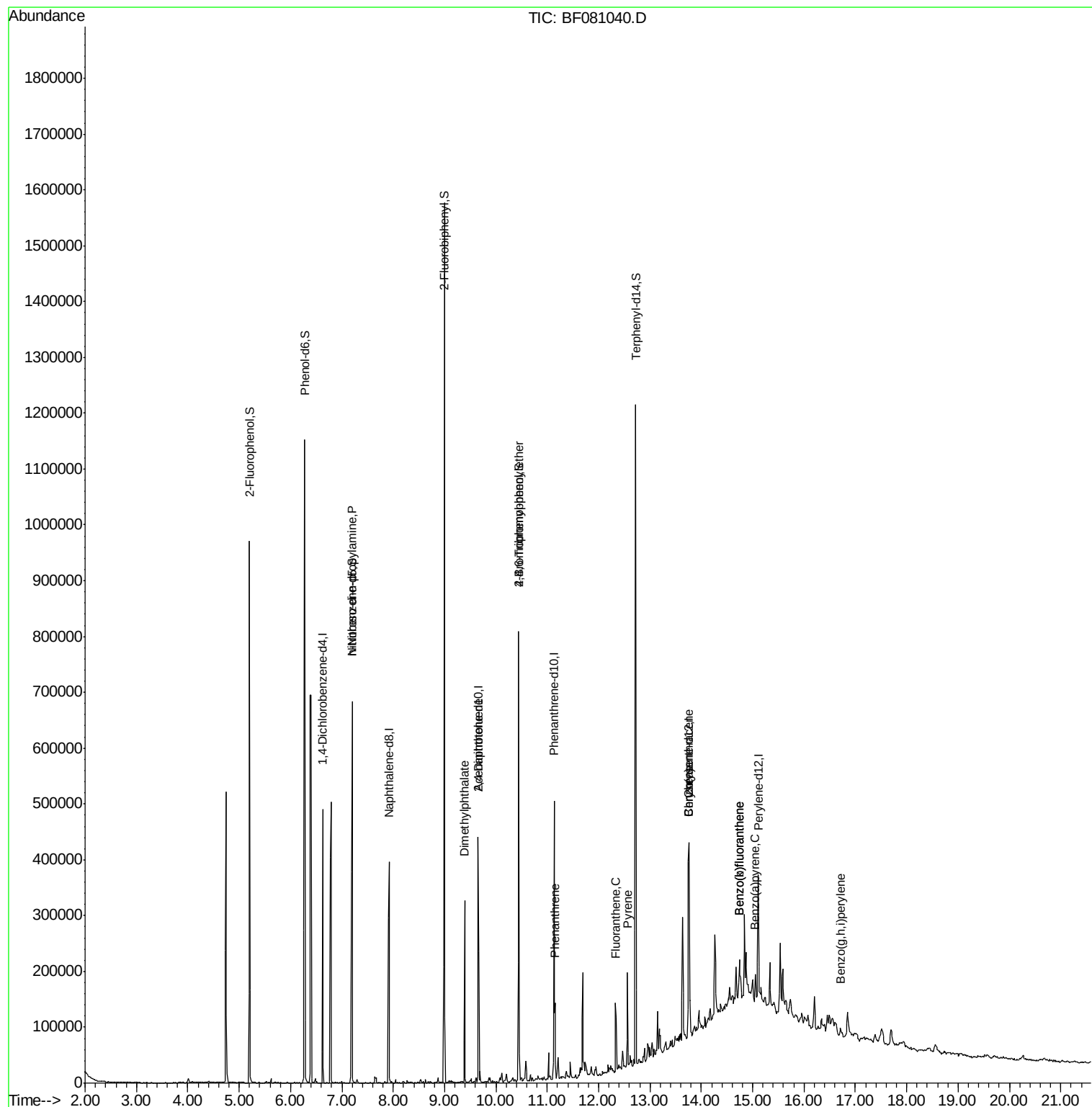
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	61178	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	226281	20.00	ng	0.01
38) Acenaphthene-d10	9.66	164	96777	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	172700	20.00	ng	0.00
75) Chrysene-d12	13.76	240	132413	20.00	ng	0.01
86) Perylene-d12	15.11	264	85579	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	225720	55.49	ng	0.01
7) Phenol-d6	6.27	99	348399	65.65	ng	0.01
23) Nitrobenzene-d5	7.20	82	249455	50.36	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	63342	75.51	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	417146	56.48	ng	0.00
78) Terphenyl-d14	12.72	244	324004	52.46	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	32270	8.78	ng	Qvalue # 66
49) Dimethylphthalate	9.39	163	120183	15.08	ng	100
56) 2,4-Dinitrotoluene	9.66	165	11873	5.23	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	5141	3.03	ng	# 1
70) Phenanthrene	11.15	178	45973	4.49	ng	99
74) Fluoranthene	12.33	202	66942	6.06	ng	91
77) Pyrene	12.56	202	61183	5.68	ng	97
80) Benzo(a)anthracene	13.75	228	29702	3.34	ng	98
82) Chrysene	13.75	228	29702	3.71	ng	97
87) Benzo(b)fluoranthene	14.74	252	39650	6.55	ng	# 91
88) Benzo(k)fluoranthene	14.74	252	39650	7.03	ng	# 95
89) Benzo(a)pyrene	15.05	252	17949	3.40	ng	# 91
91) Benzo(g,h,i)perylene	16.71	276	10364	2.49	ng	# 76

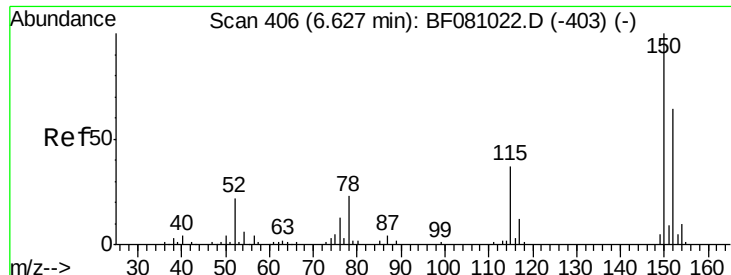
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081040.D

Acq: 18 Aug 2015 10:34

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-3

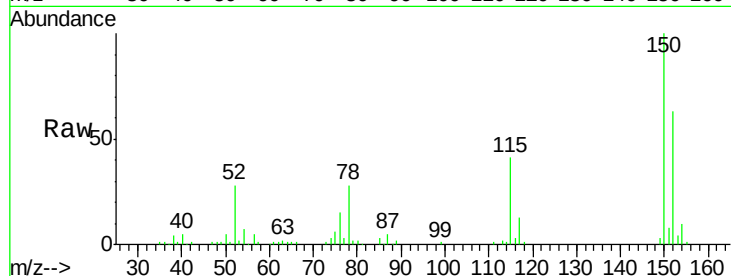
Tgt Ion:152 Resp: 61178

Ion Ratio Lower Upper

152 100

150 159.2 123.8 185.6

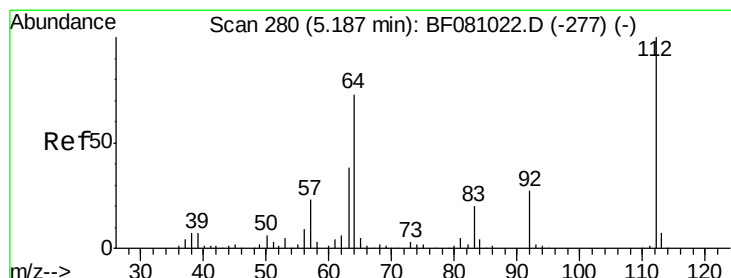
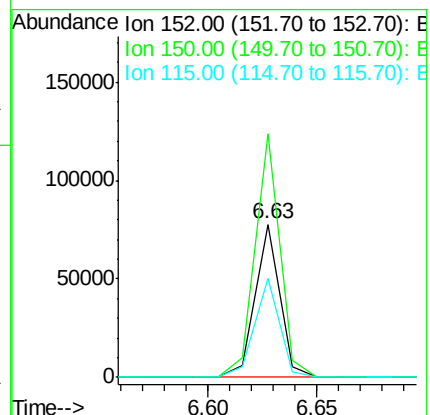
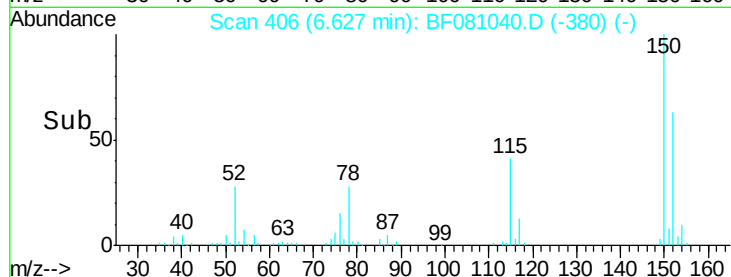
115 64.9 52.1 78.1



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: 55.49 ng

RT: 5.20 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF081040.D

Acq: 18 Aug 2015 10:34

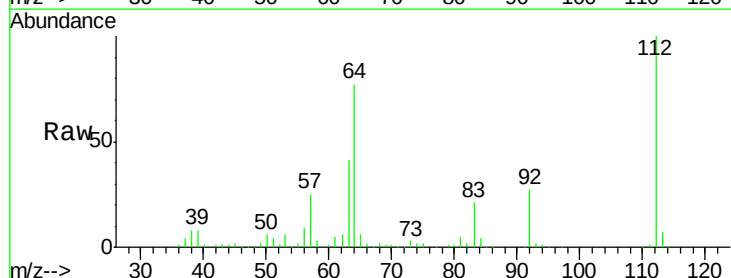
Tgt Ion:112 Resp: 225720

Ion Ratio Lower Upper

112 100

64 76.8 66.9 100.3

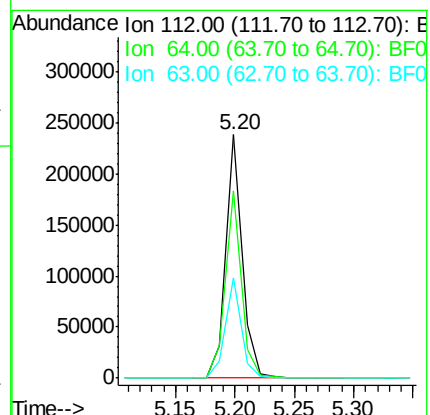
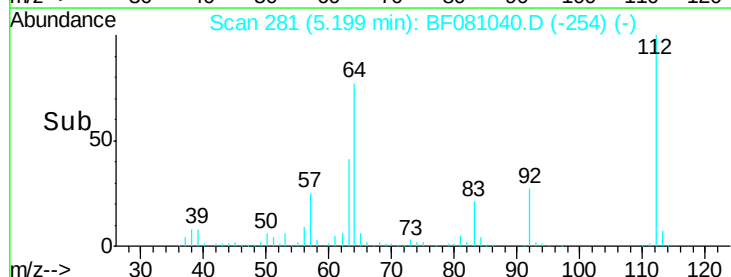
63 41.0 38.1 57.1

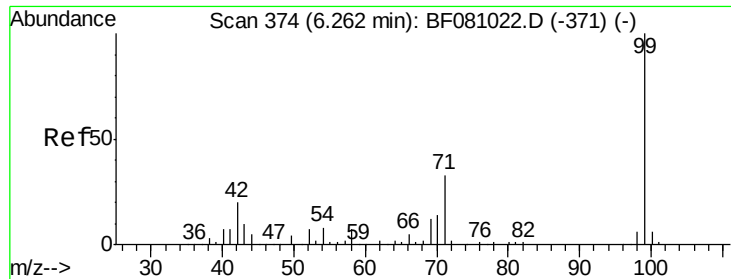


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 65.65 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081040.D

Acq: 18 Aug 2015 10:34

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-3

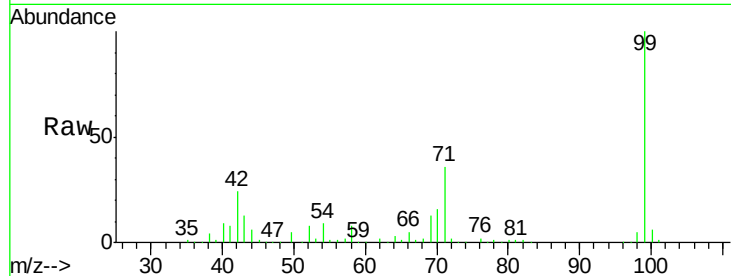
Tgt Ion: 99 Resp: 348399

Ion Ratio Lower Upper

99 100

42 23.9 19.6 29.4

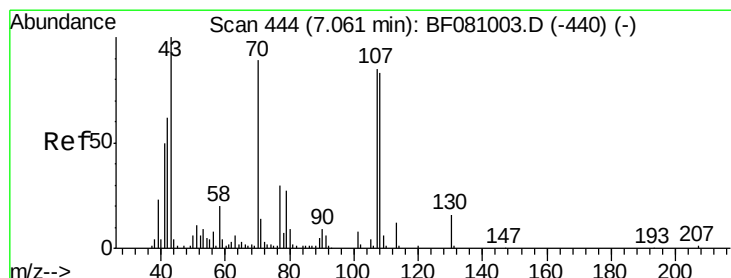
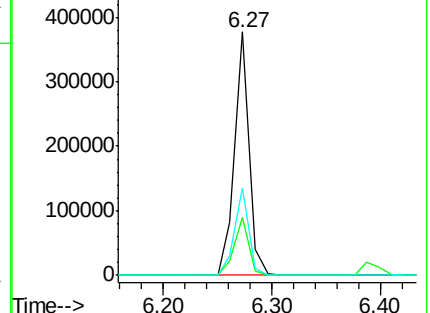
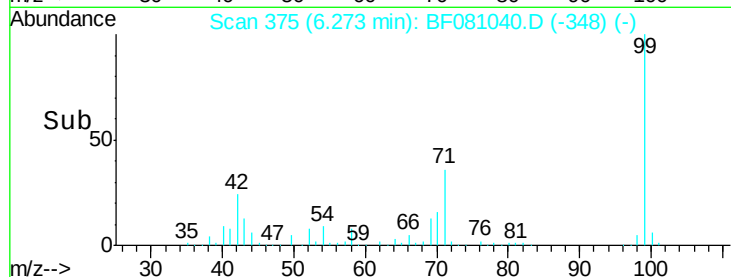
71 36.1 31.2 46.8



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: 8.78 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.15 min

Lab File: BF081040.D

Acq: 18 Aug 2015 10:34

Tgt Ion: 70 Resp: 32270

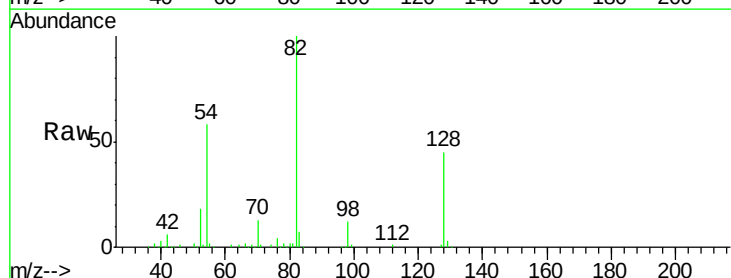
Ion Ratio Lower Upper

70 100

42 49.7 65.0 97.4#

101 0.0 7.4 11.2#

130 1.9 13.0 19.4#

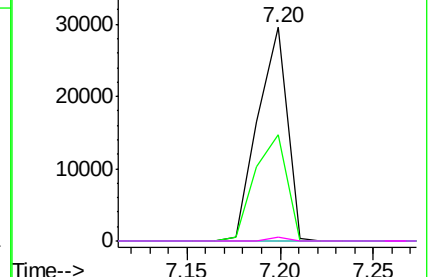
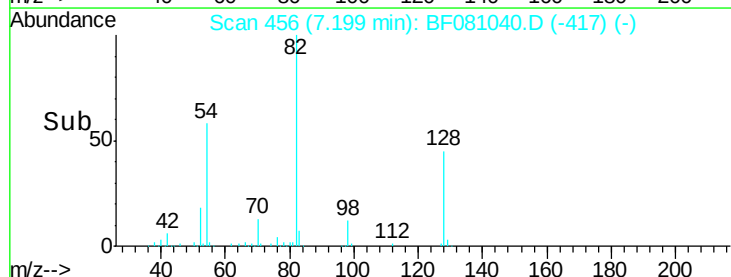


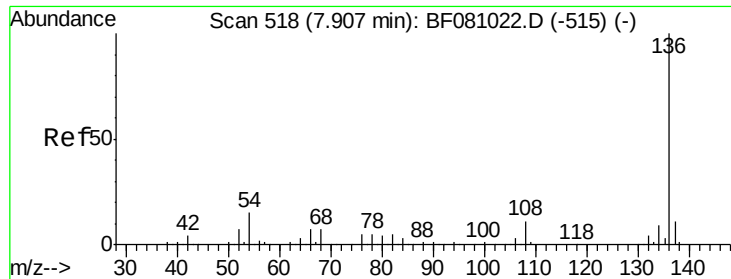
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

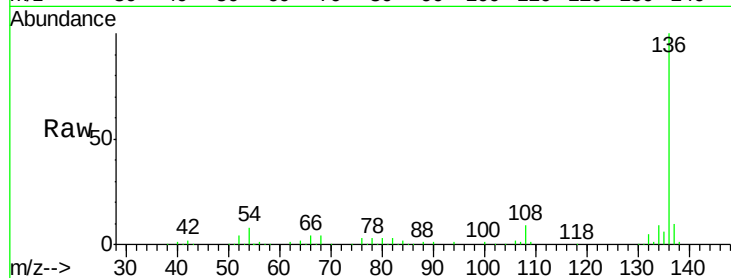




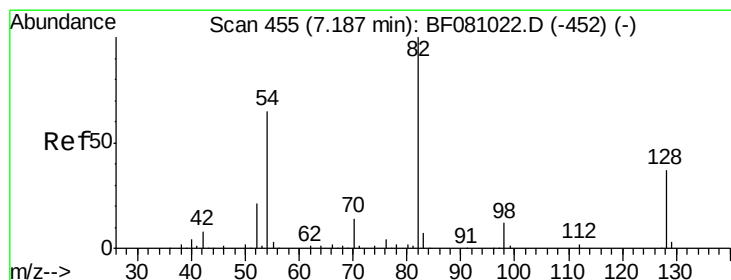
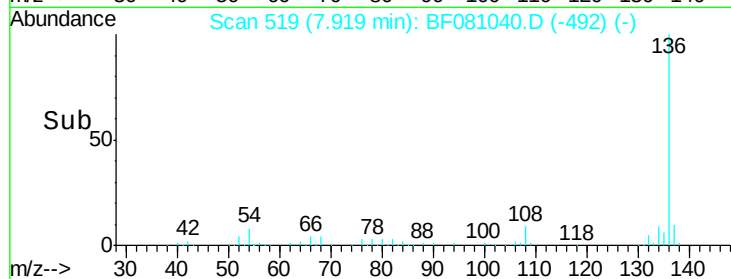
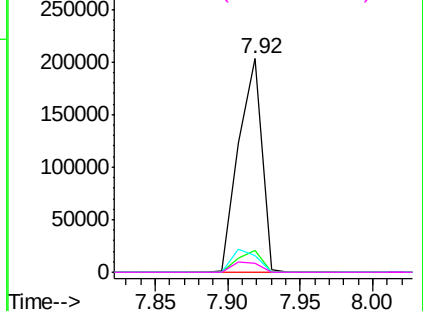
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 519
Delta R.T. 0.01 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-3

Tgt Ion:	136	Resp:	226281
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.2	12.2
54	7.9	7.7	11.5
68	4.3	3.4	5.2

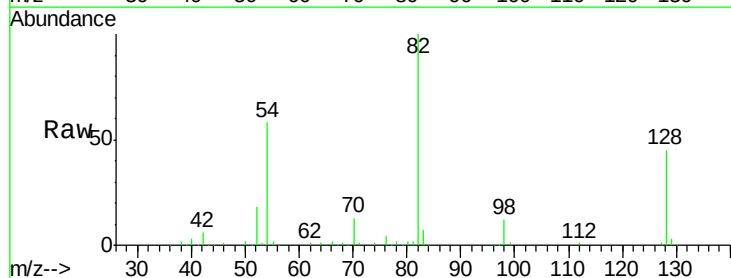


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

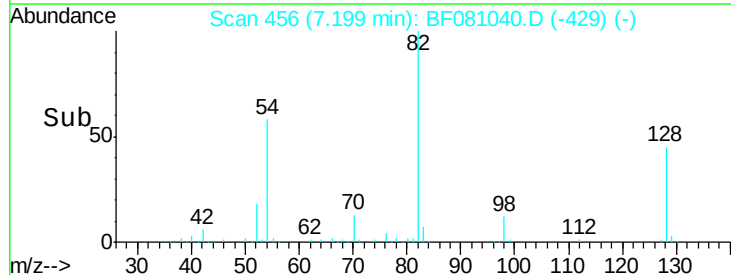
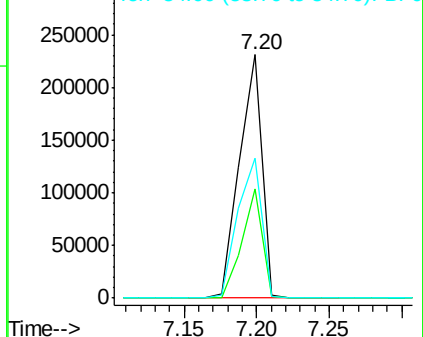


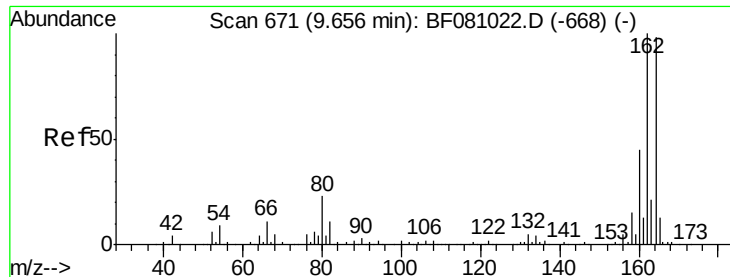
#23
Nitrobenzene-d5
Concen: 50.36 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Tgt Ion:	82	Resp:	249455
Ion	Ratio	Lower	Upper
82	100		
128	45.0	28.6	42.8#
54	57.6	55.1	82.7



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

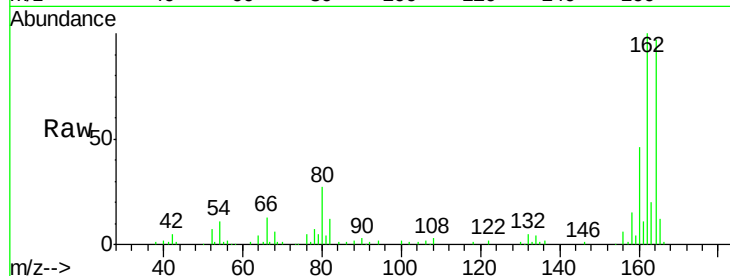




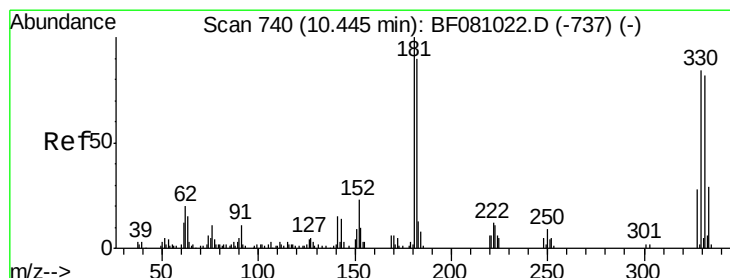
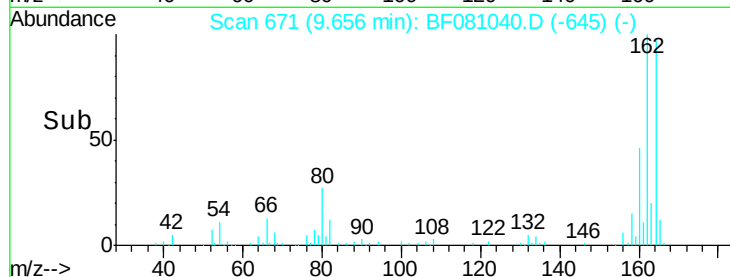
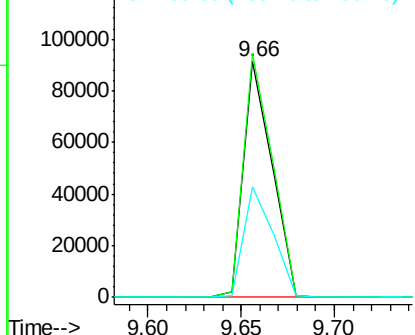
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-3

Tgt Ion:164 Resp: 96777
Ion Ratio Lower Upper
164 100
162 103.4 83.8 125.8
160 47.1 39.8 59.8

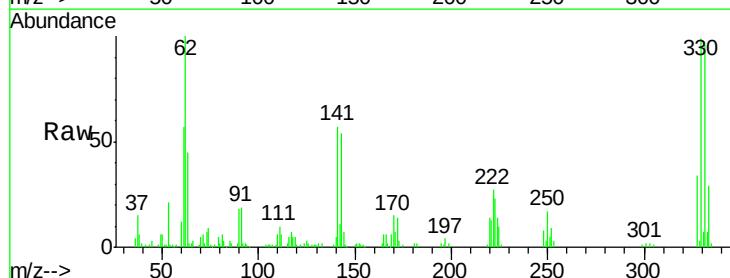


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

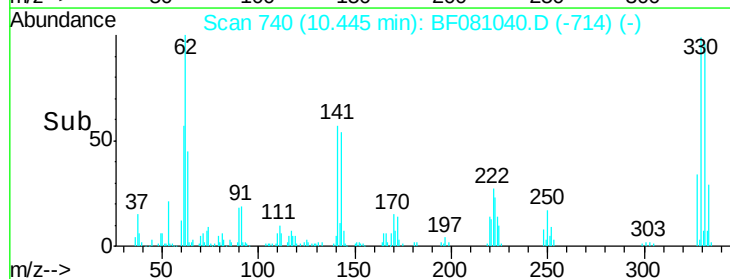
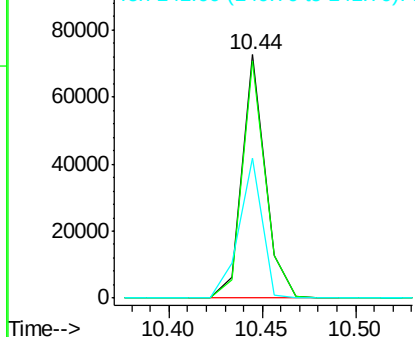


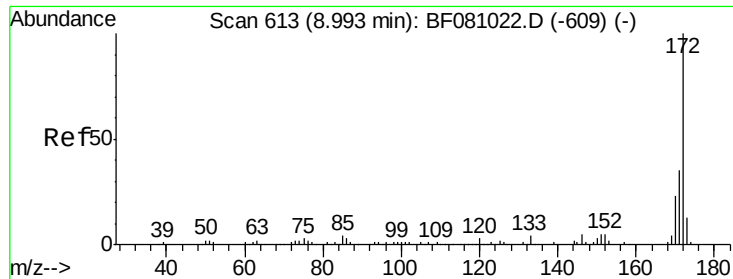
#41
2,4,6-Tribromophenol
Concen: 75.51 ng
RT: 10.44 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Tgt Ion:330 Resp: 63342
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 57.6 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

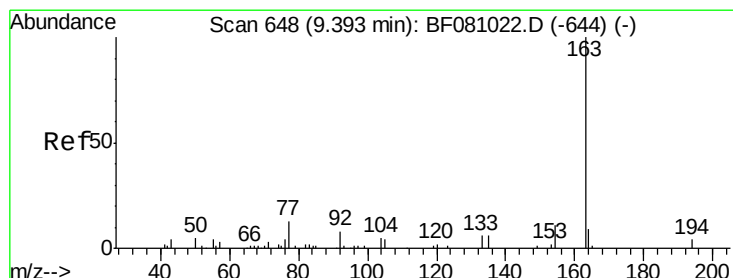
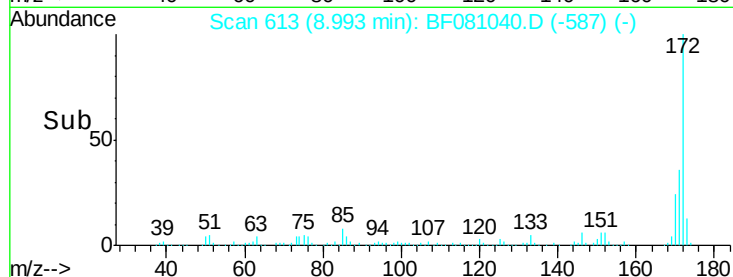
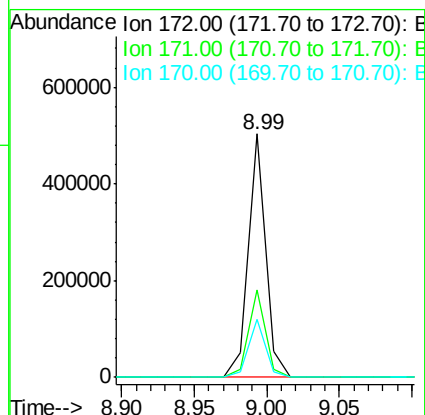
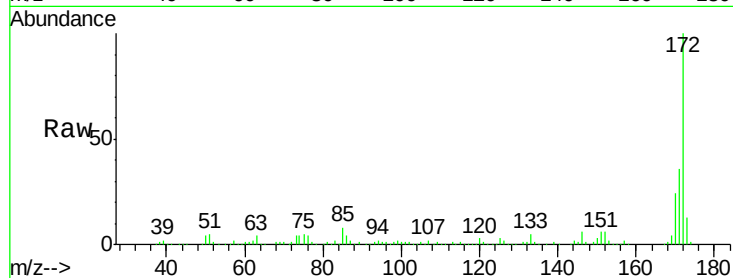




#44
 2-Fluorobiphenyl
 Concen: 56.48 ng
 RT: 8.99 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF081040.D
 Acq: 18 Aug 2015 10:34

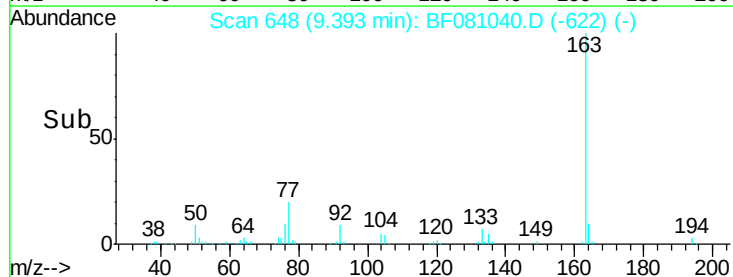
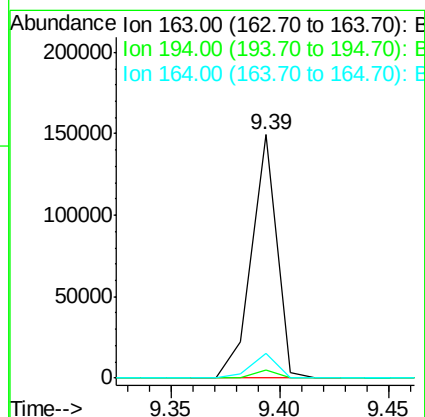
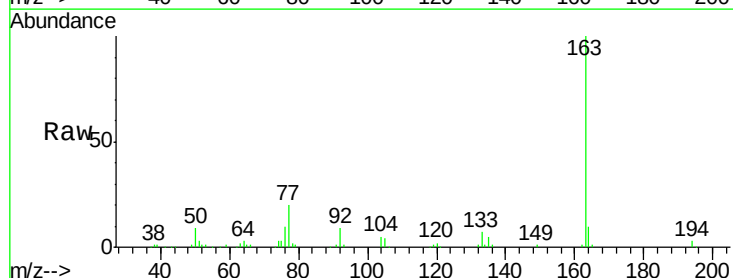
Instrument :
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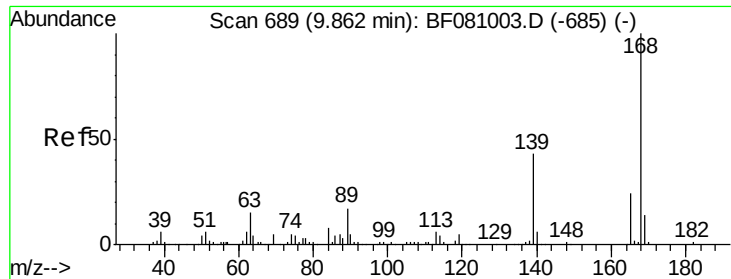
Tgt Ion:172 Resp: 417146
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.9 43.3
 170 24.0 19.4 29.2



#49
 Dimethylphthalate
 Concen: 15.08 ng
 RT: 9.39 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF081040.D
 Acq: 18 Aug 2015 10:34

Tgt Ion:163 Resp: 120183
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.5 3.7
 164 10.0 8.1 12.1

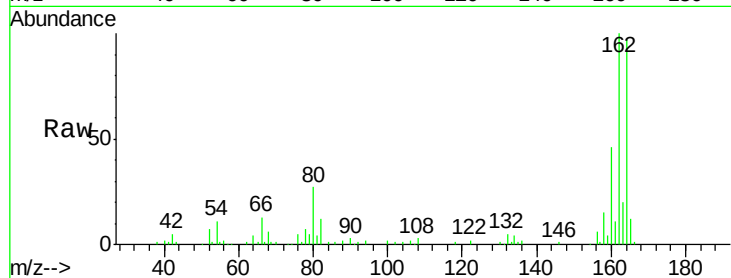




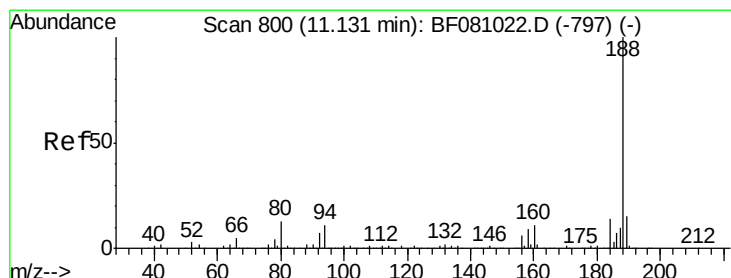
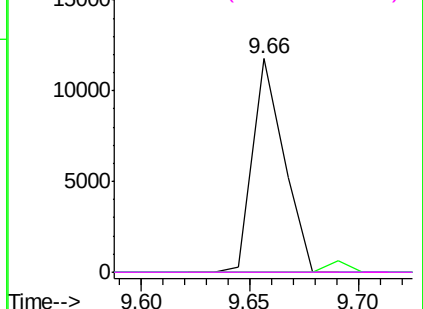
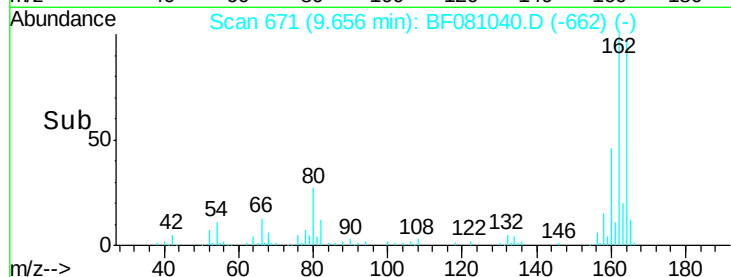
#56
 2,4-Dinitrotoluene
 Concen: 5.23 ng
 RT: 9.66 min Scan# 671
 Delta R.T. -0.19 min
 Lab File: BF081040.D
 Acq: 18 Aug 2015 10:34

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-3

Tgt Ion:165 Resp: 11873
 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#

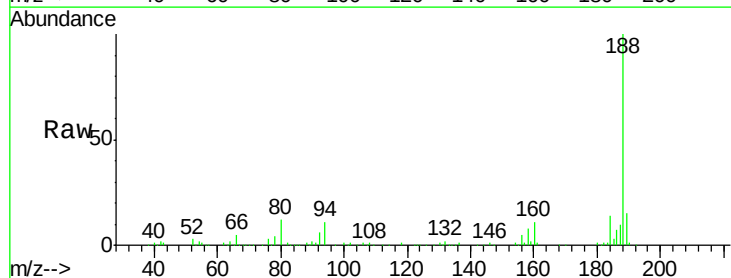


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

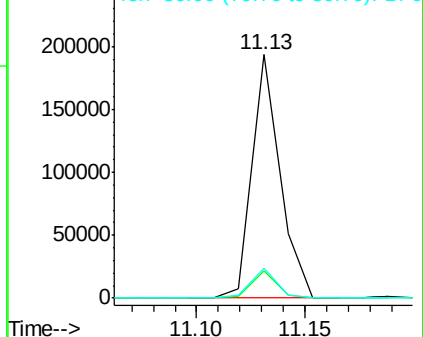
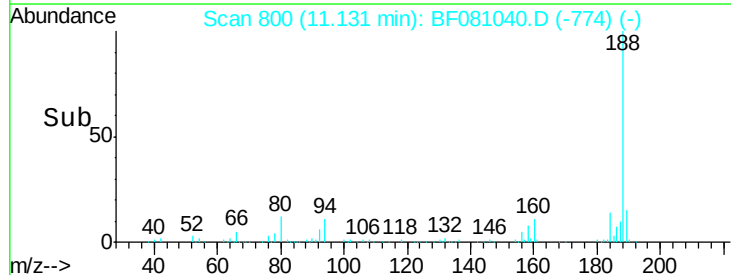


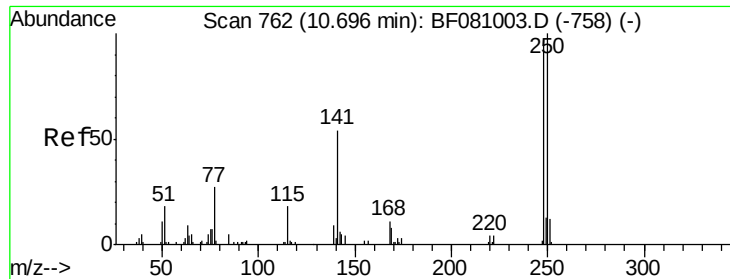
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF081040.D
 Acq: 18 Aug 2015 10:34

Tgt Ion:188 Resp: 172700
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.2 12.2
 80 12.4 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

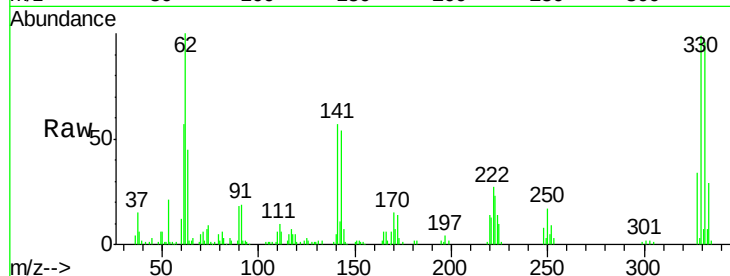




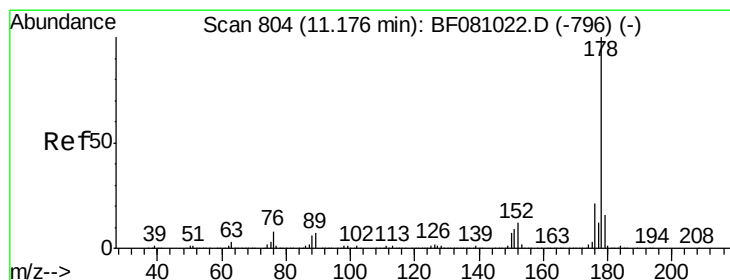
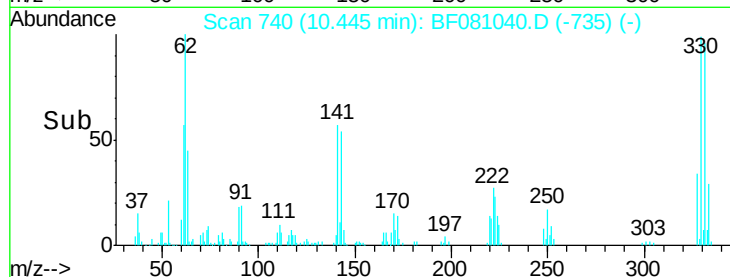
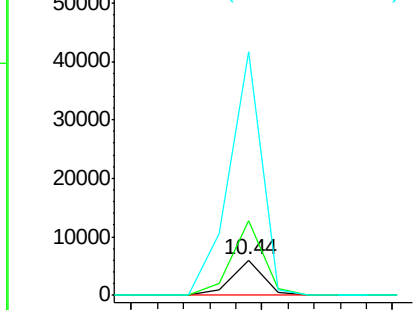
#66
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.44 min Scan# 740
Delta R.T. -0.24 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-3

Tgt Ion:248 Resp: 5141
Ion Ratio Lower Upper
248 100
250 209.1 77.8 116.6#
141 685.5 39.8 59.6#

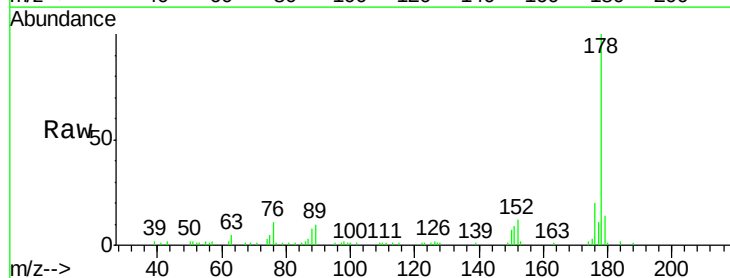


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

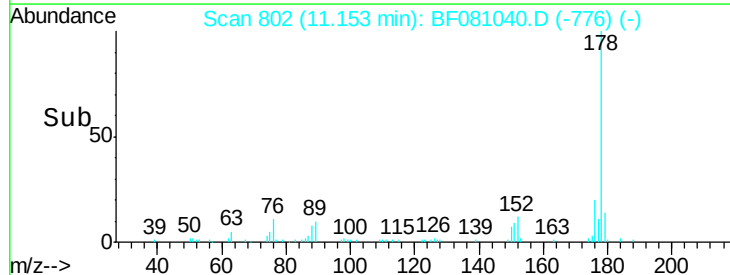
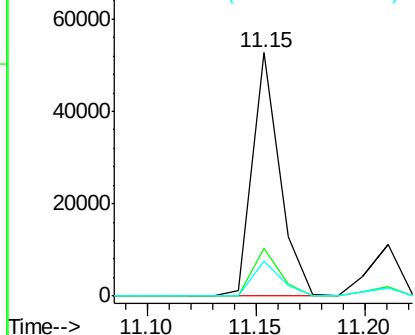


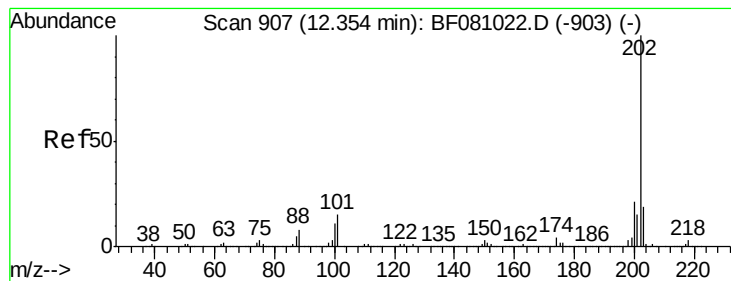
#70
Phenanthrene
Concen: 4.49 ng
RT: 11.15 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Tgt Ion:178 Resp: 45973
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.3 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

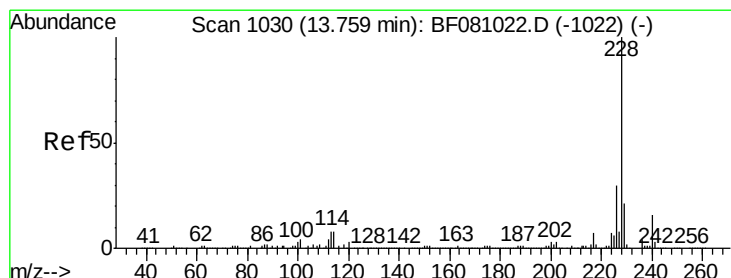
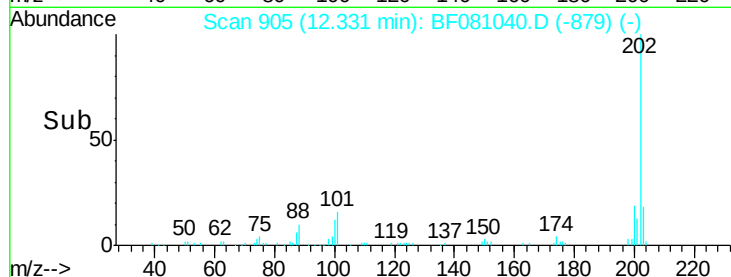
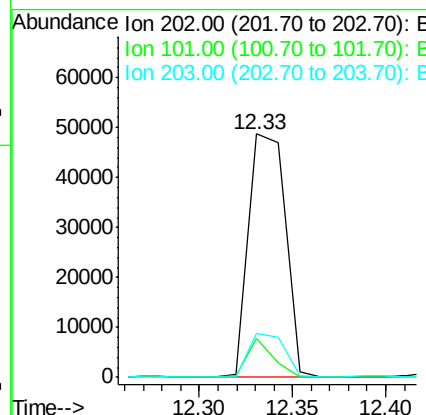
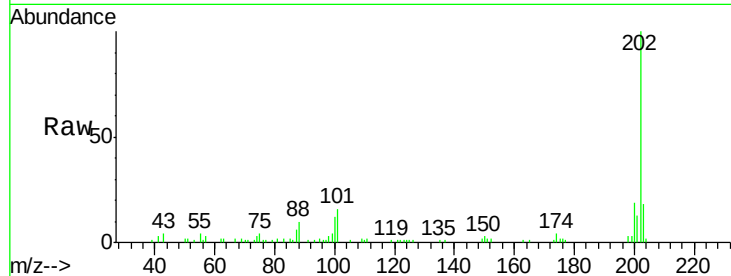




#74
Fluoranthene
Concen: 6.06 ng
RT: 12.33 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

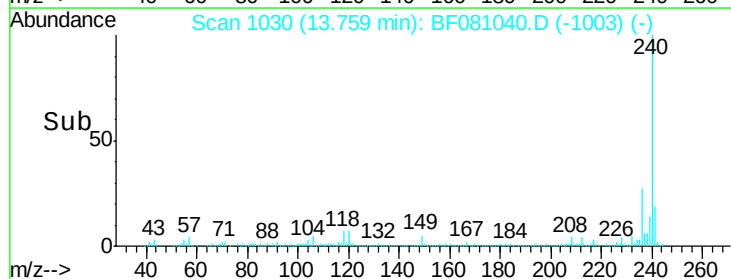
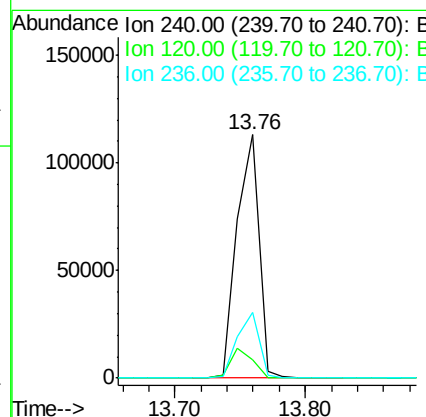
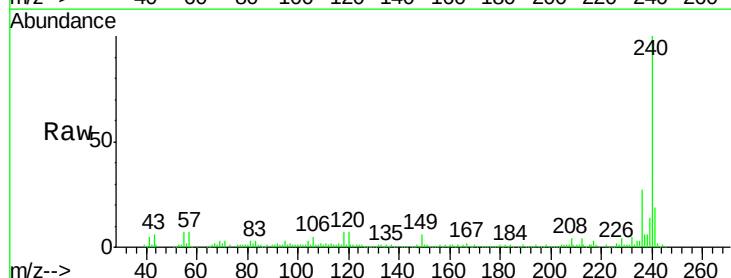
Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-3

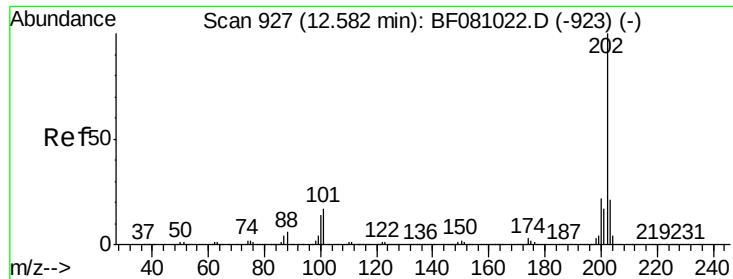
Tgt Ion:202 Resp: 66942
Ion Ratio Lower Upper
202 100
101 15.7 0.0 24.8
203 17.8 0.0 36.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1030
Delta R.T. 0.01 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Tgt Ion:240 Resp: 132413
Ion Ratio Lower Upper
240 100
120 7.3 5.6 8.4
236 26.7 20.6 30.8

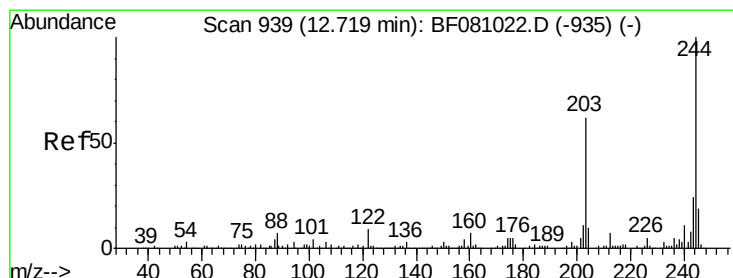
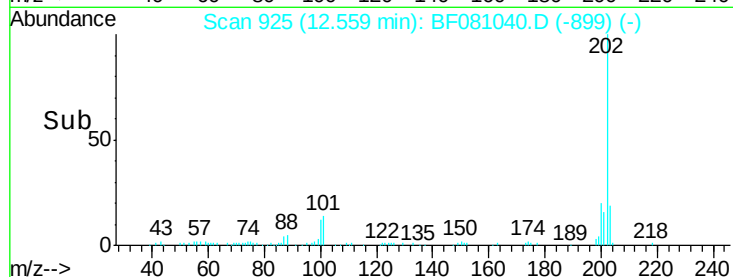
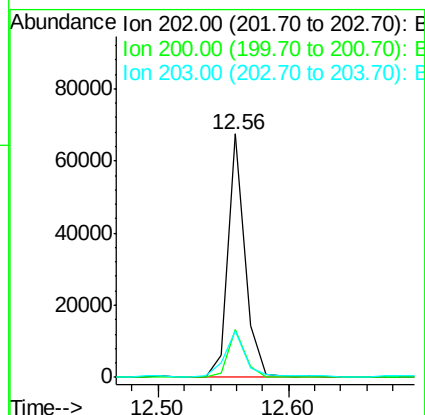
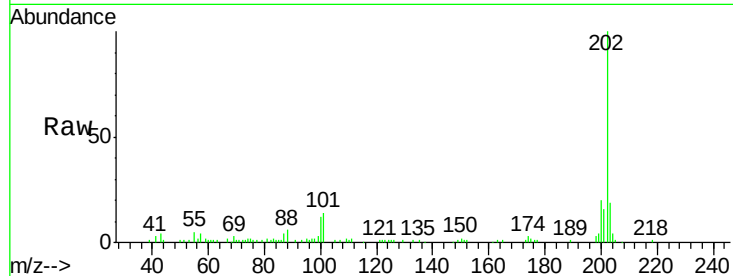




#77
Pyrene
Concen: 5.68 ng
RT: 12.56 min Scan# 925
Delta R.T. 0.00 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

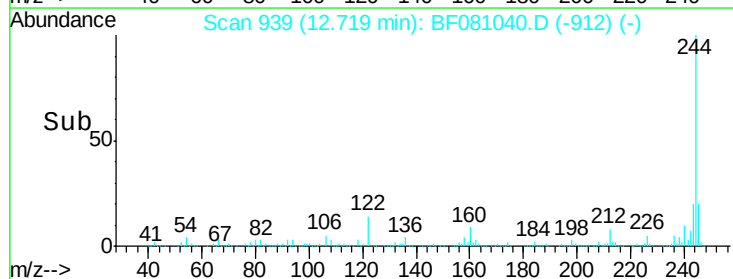
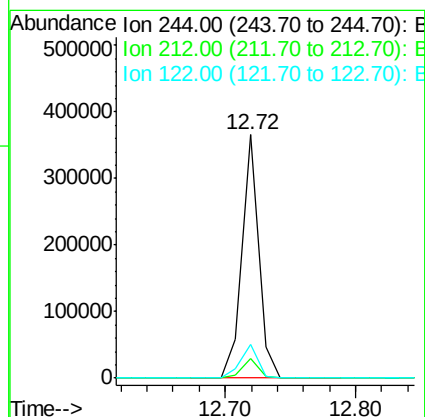
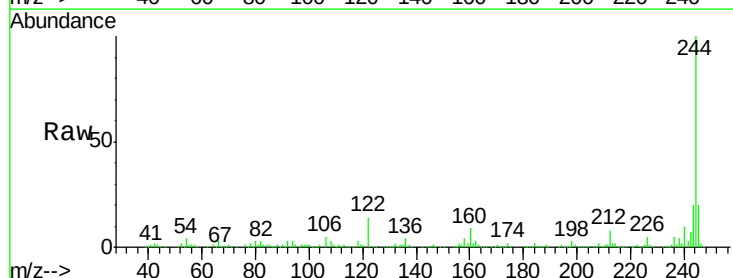
Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-3

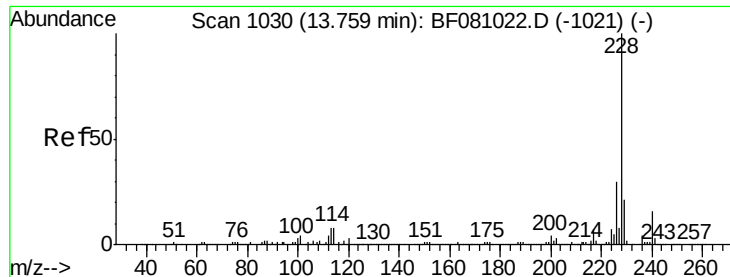
Tgt Ion:202 Resp: 61183
Ion Ratio Lower Upper
202 100
200 19.7 16.6 24.8
203 19.1 14.1 21.1



#78
Terphenyl-d14
Concen: 52.46 ng
RT: 12.72 min Scan# 939
Delta R.T. 0.01 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Tgt Ion:244 Resp: 324004
Ion Ratio Lower Upper
244 100
212 8.1 5.8 8.8
122 13.7 8.2 12.4#





#80

Benzo(a)anthracene

Concen: 3.34 ng

RT: 13.75 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF081040.D

Acq: 18 Aug 2015 10:34

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-3

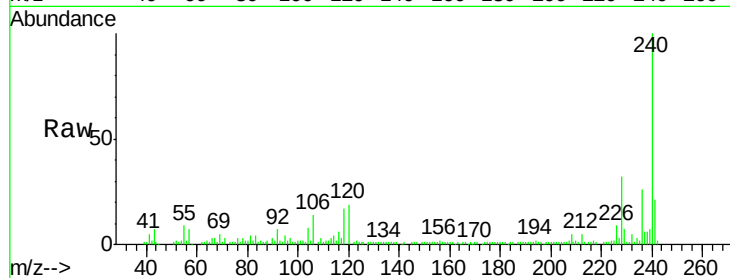
Tgt Ion:228 Resp: 29702

Ion Ratio Lower Upper

228 100

226 28.6 22.3 33.5

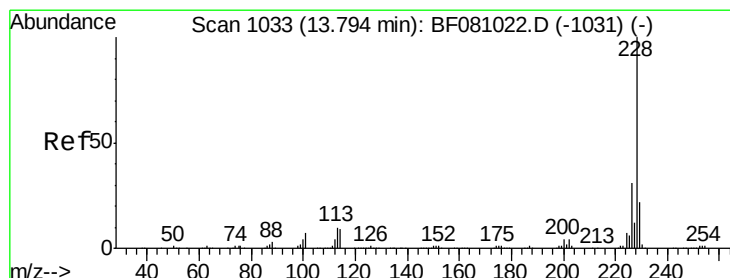
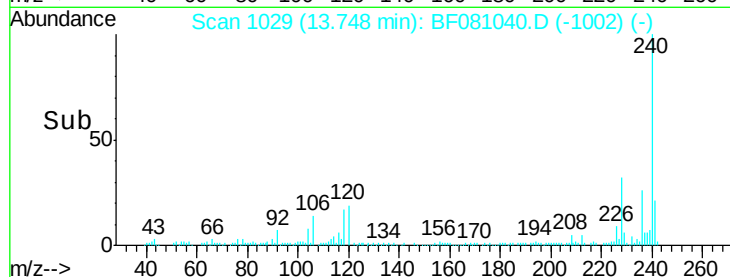
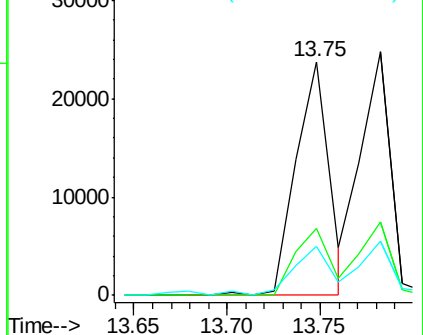
229 21.1 15.9 23.9



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: 3.71 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF081040.D

Acq: 18 Aug 2015 10:34

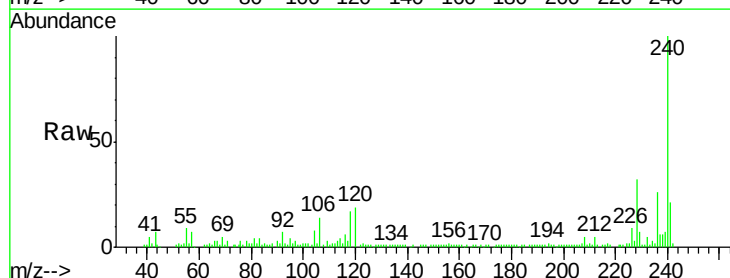
Tgt Ion:228 Resp: 29702

Ion Ratio Lower Upper

228 100

226 28.6 24.4 36.6

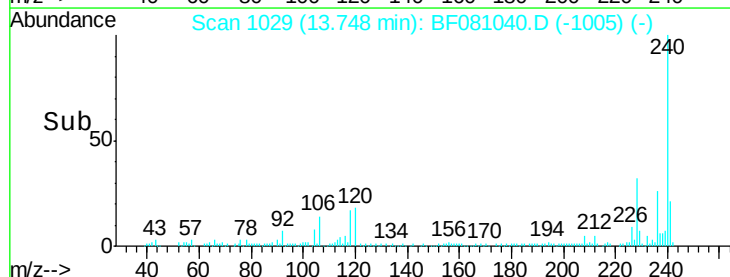
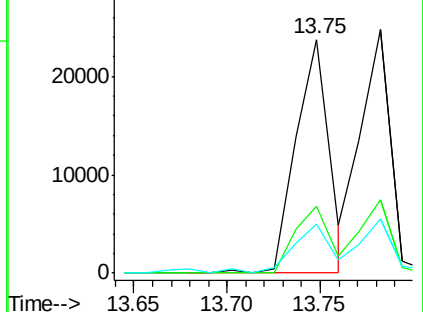
229 21.1 16.0 24.0

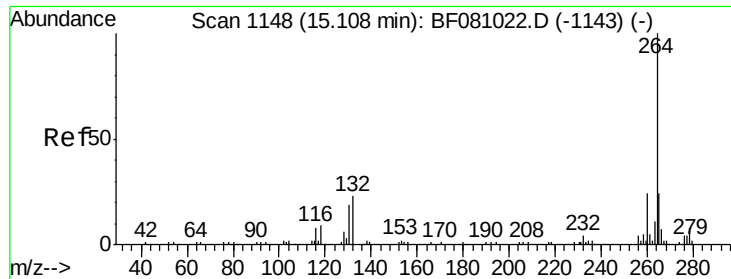


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



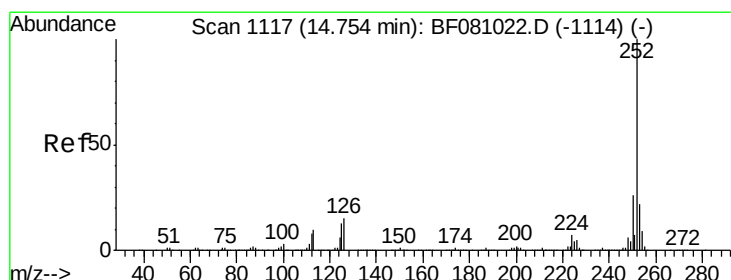
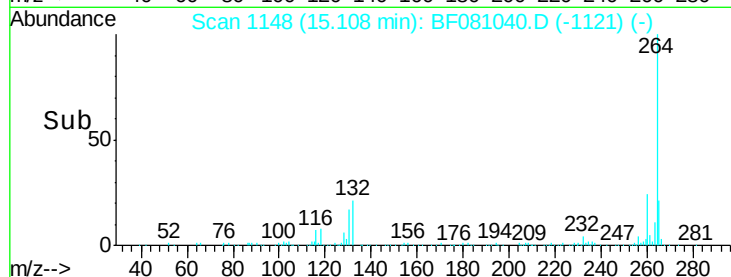
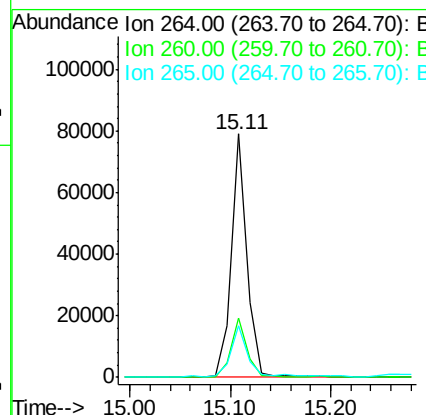
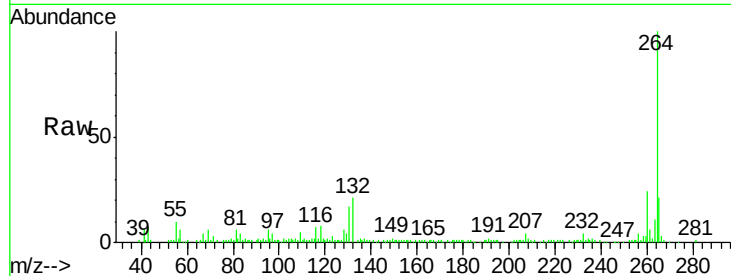


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-3

Tgt Ion: 264 Resp: 85579

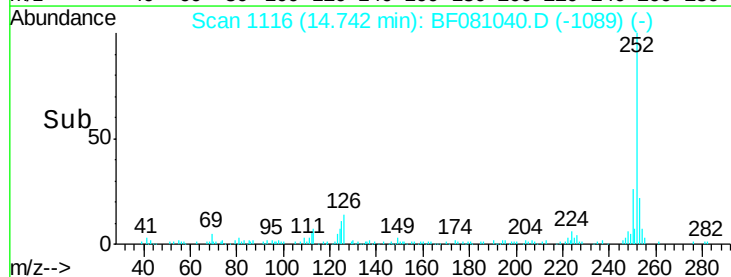
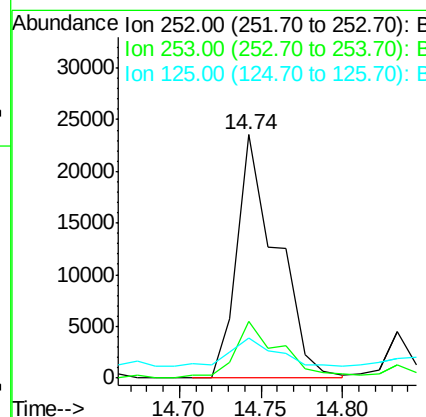
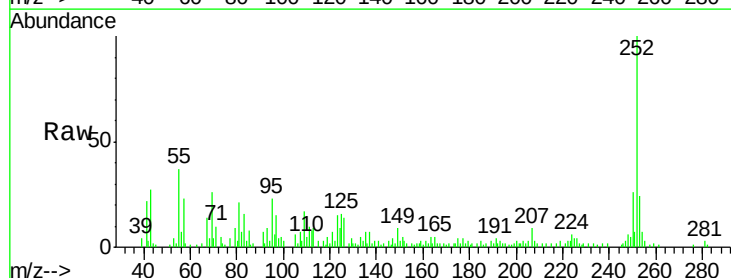
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.5	17.5	26.3

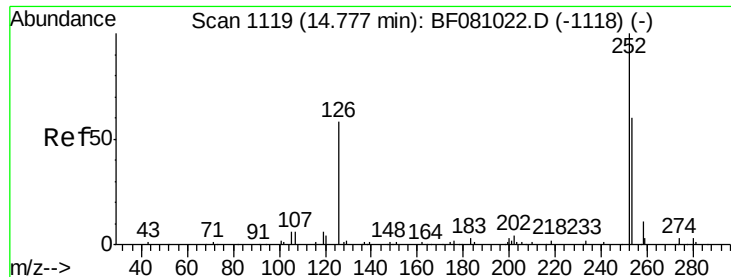


#87
Benzo(b)fluoranthene
Concen: 6.55 ng
RT: 14.74 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF081040.D
Acq: 18 Aug 2015 10:34

Tgt Ion: 252 Resp: 39650

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.5	8.0	12.0





#88

Benzo(k)fluoranthene

Concen: 7.03 ng

RT: 14.74 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF081040.D

Acq: 18 Aug 2015 10:34

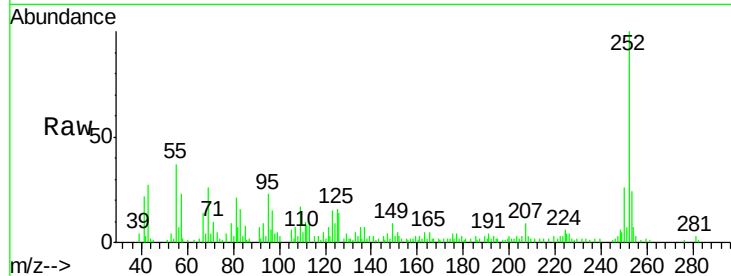
Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-3

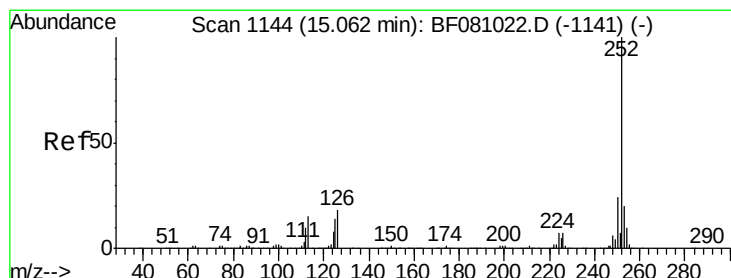
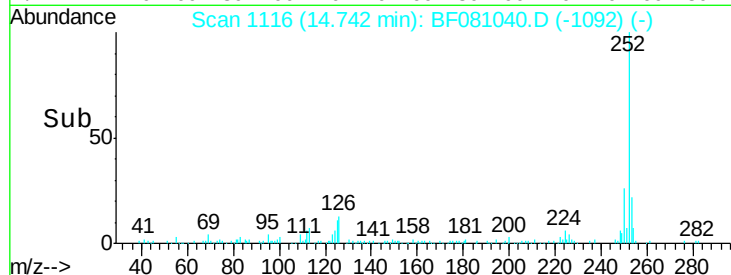
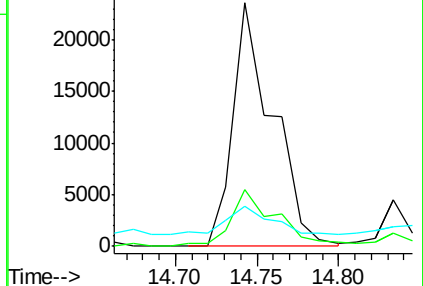
Tgt Ion:	252	Resp:	39650
Ion Ratio		Lower	Upper
252	100		
253	23.5	17.6	26.4
125	16.5	10.3	15.5#



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



#89

Benzo(a)pyrene

Concen: 3.40 ng

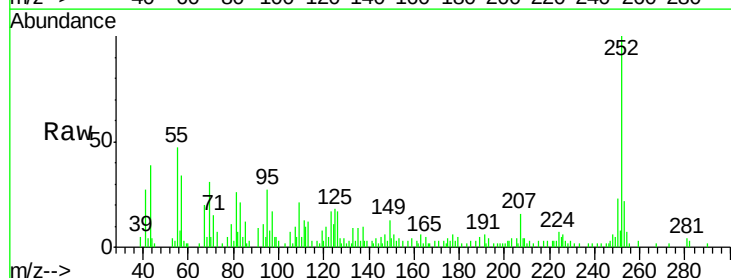
RT: 15.05 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF081040.D

Acq: 18 Aug 2015 10:34

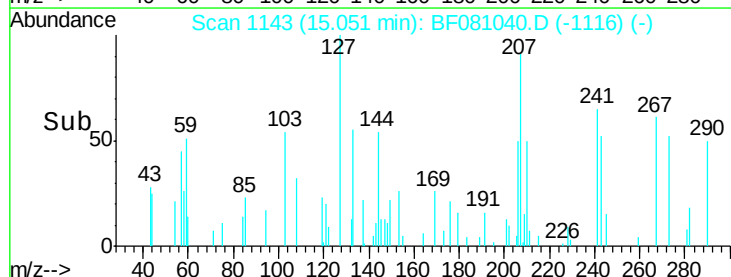
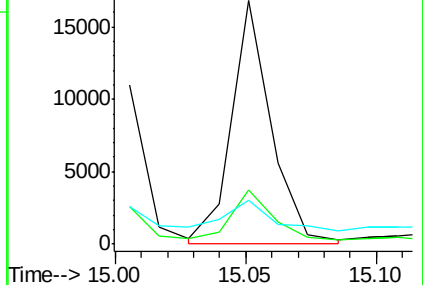
Tgt Ion:	252	Resp:	17949
Ion Ratio		Lower	Upper
252	100		
253	22.2	16.6	25.0
125	18.3	7.8	11.8#

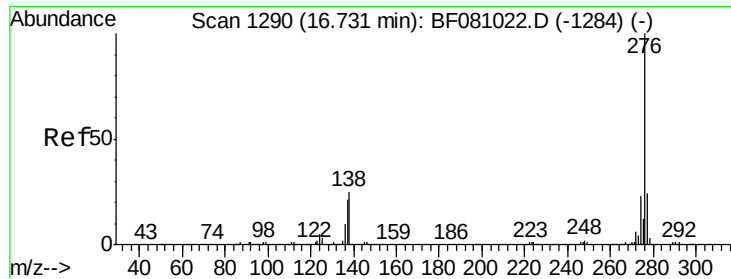


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 2.49 ng
 RT: 16.71 min Scan# 1288
 Delta R.T. 0.02 min
 Lab File: BF081040.D
 Acq: 18 Aug 2015 10:34

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-3

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	18.2	27.2
138	35.1	13.7	20.5

