Data Path : Z:\HPCHEM1\BNA M\DATA\BM121815\
Data File : BM003611.D
Acq On : 18 Dec 2015 13:49
Operator : UM/SJ
Sample : G4783-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 18 16:14:54 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 16:19:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	34680	5.00	ng	-0.02
7) Naphthalene-d8	10.49	136	136645	5.00	ng	-0.02
13) Acenaphthene-d10	14.35	164	70202	5.00	ng	-0.03
19) Phenanthrene-d10	17.08	188	121787	5.00	ng	-0.03
26) Chrysene-d12	21.31	240	95024	5.00	ng	-0.02
35) Perylene-d12	23.55	264	98832	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	27772	4.01	ng	-0.02
5) Phenol-d6	6.88	99	18699	2.20	ng	0.00
8) Nitrobenzene-d5	8.86	82	31710	4.98	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	12462	6.86	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	102601	4.85	ng	-0.02
29) Terphenyl-d14	19.75	244	74959	4.86	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
2) 1,4-Dioxane	3.20	88	113	0.04	ng	#	1
3) n-Nitrosodimethylamine	3.49	42	446	0.14	ng	#	1
10) Naphthalene	10.54	128	2040	0.07	ng	#	89
18) Fluorene	15.41	166	614	0.03	ng	#	97
21) Hexachlorobenzene	16.42	284	44	Below Cal		#	67
22) Pentachlorophenol	16.78	266	120	0.39	ng	#	71
23) Phenanthrene	17.14	178	5661	0.24	ng	#	76
24) Anthracene	17.14	178	5850	0.24	ng	#	76
25) Fluoranthene	19.18	202	1189	0.05	ng	#	91
27) Benzidine	19.37	184	84	0.38	ng	#	1
28) Pyrene	19.54	202	925	0.03	ng	#	94
30) Benzo(a)anthracene	21.29	228	1148	0.04	ng	#	77
31) 3,3'-Dichlorobenzidine	21.23	252	68	0.10	ng	#	60
32) Chrysene	21.29	228	1156	0.04	ng	#	83
33) Bis(2-ethylhexyl)phthalate	21.21	149	2682	0.40	ng	#	99

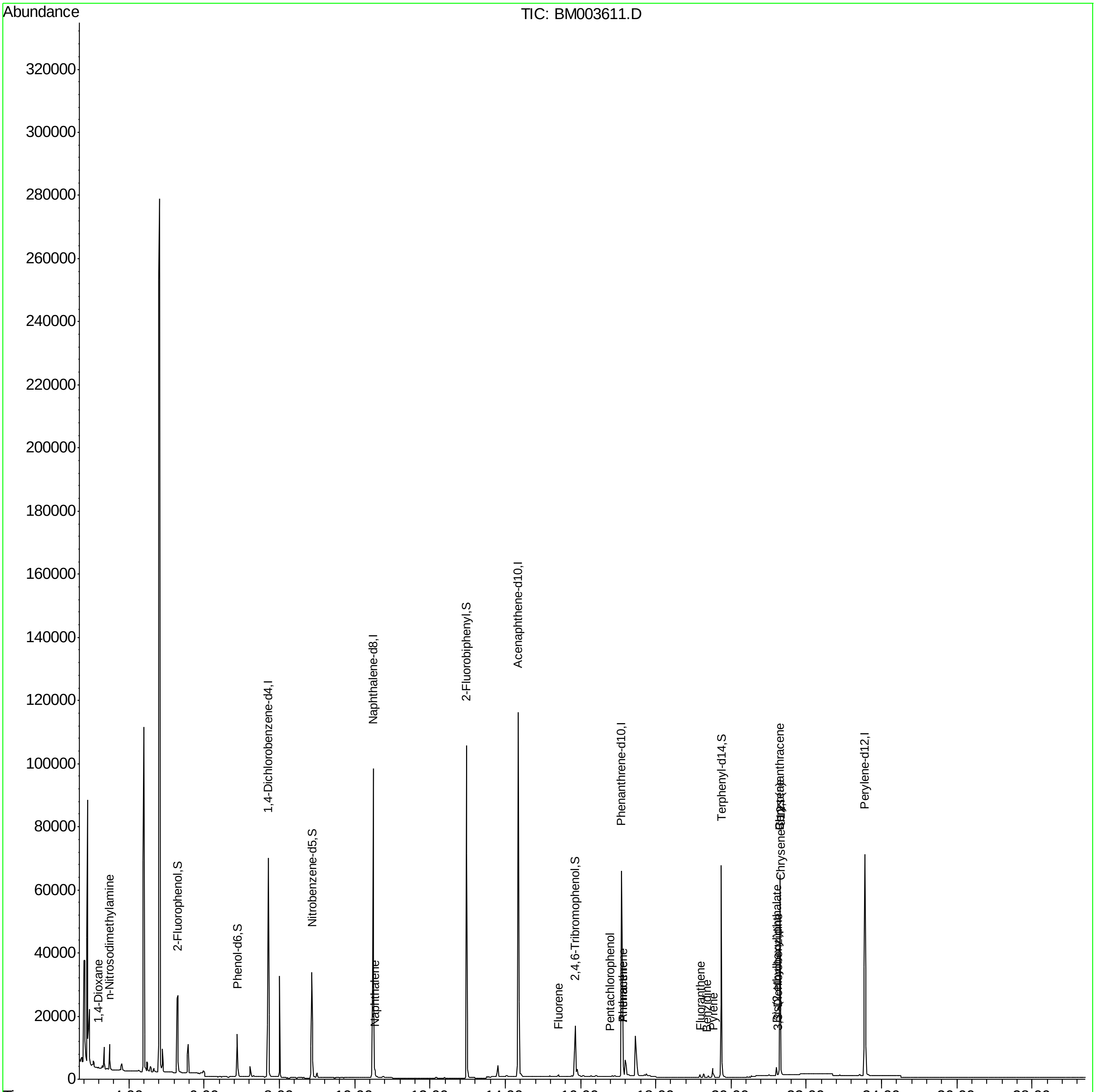
(#) = qualifier out of range (m) = manual integration (+) = signals summed

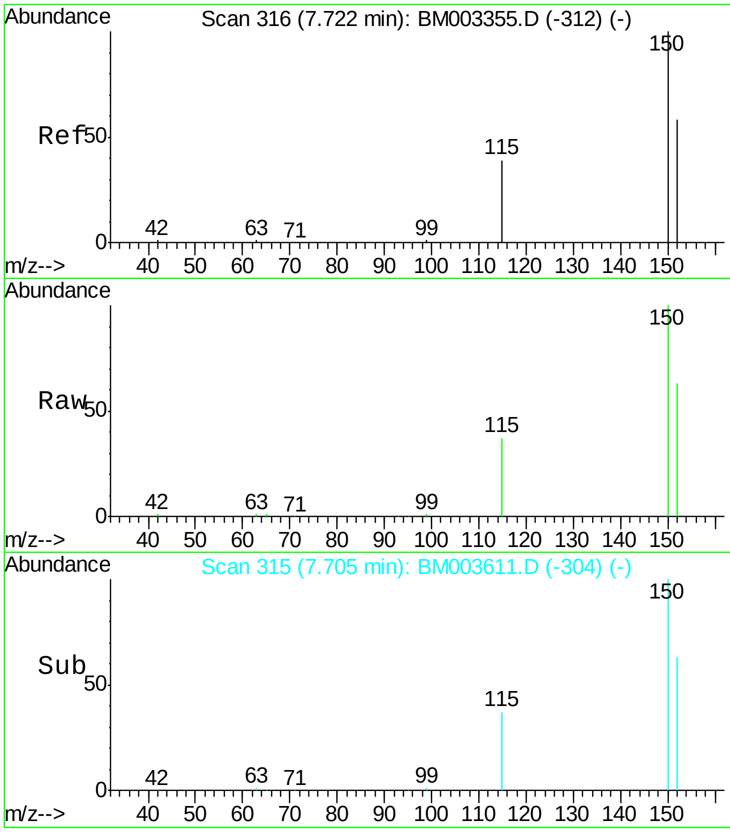
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121815\
Data File : BM003611.D
Acq On : 18 Dec 2015 13:49
Operator : UM/SJ
Sample : G4783-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 18 16:14:54 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 16:19:00 2015
Response via : Initial Calibration



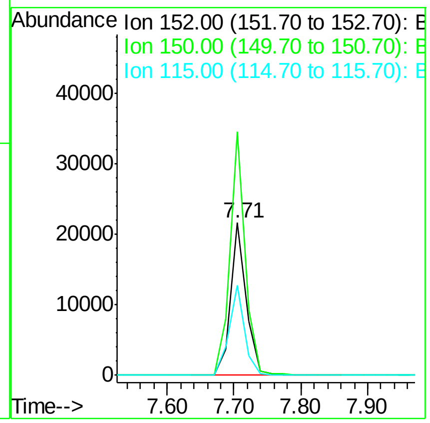


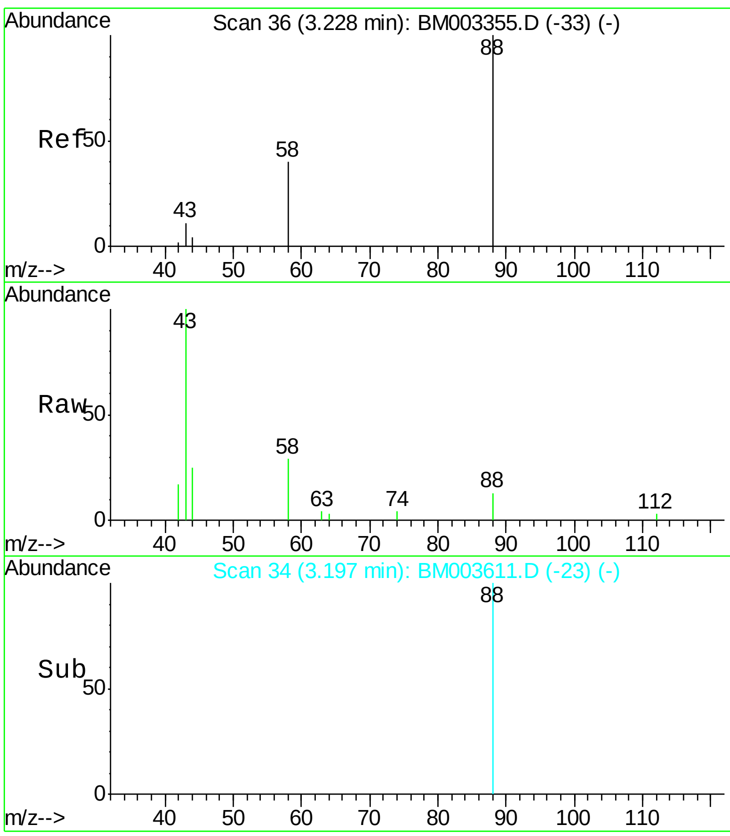
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.71 min Scan# 315
Delta R.T. -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 34680

Ion	Ratio	Lower	Upper
152	100		
150	159.5	143.6	215.4
115	59.1	58.5	87.7

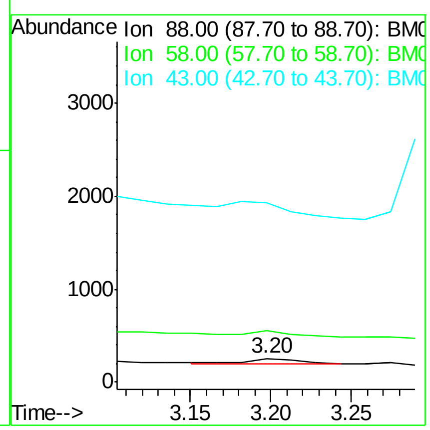


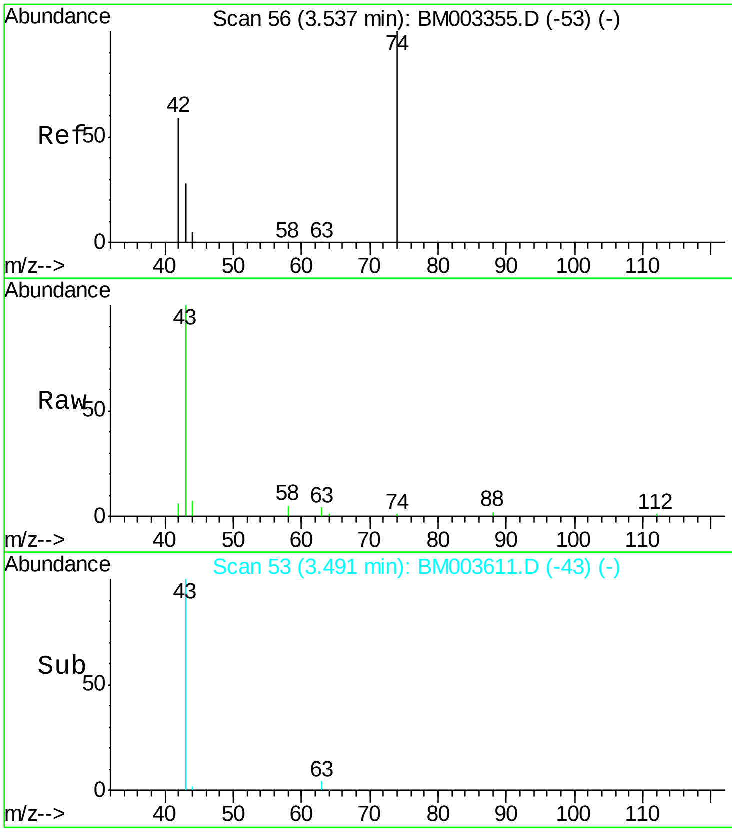


#2
1,4-Dioxane
Concen: 0.04 ng
RT: 3.20 min Scan# 34
Delta R.T. -0.03 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion: 88 Resp: 113

Ion	Ratio	Lower	Upper
88	100		
58	231.9	55.2	82.8#
43	0.0	21.8	32.6#



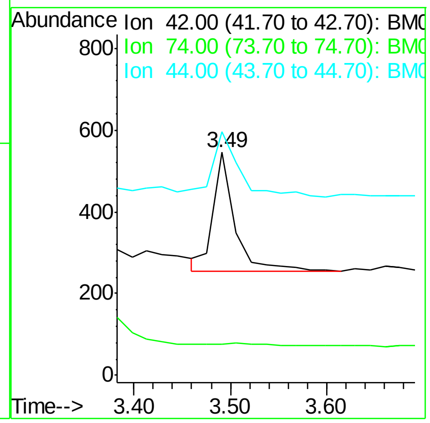


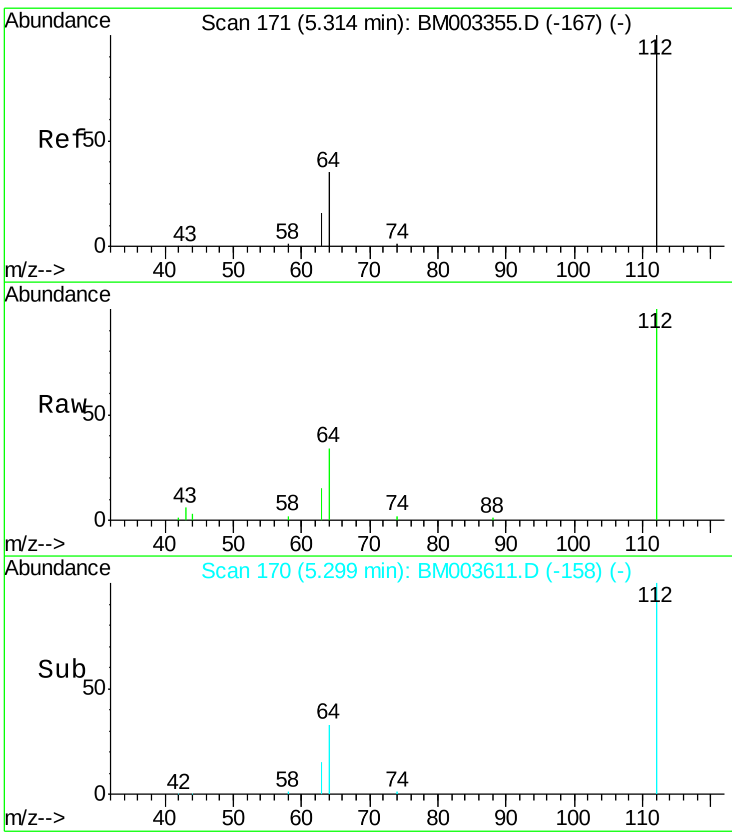
#3
n-Nitrosodimethylamine
Concen: 0.14 ng
RT: 3.49 min Scan# 53
Delta R.T. -0.05 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 42 Resp: 446

Ion	Ratio	Lower	Upper
42	100		
74	0.0	101.0	151.4#
44	69.7	6.3	9.5#

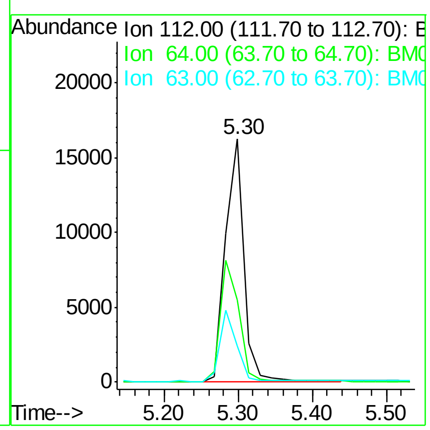




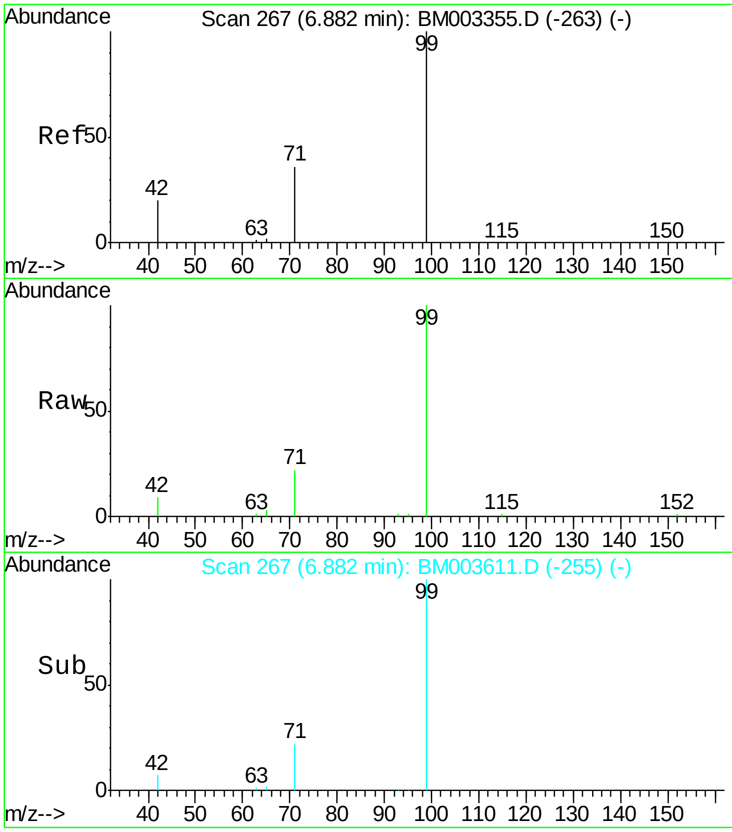
#4
2-Fluorophenol
Concen: 4.01 ng
RT: 5.30 min Scan# 170
Delta R.T. -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:112 Resp: 27772

Ion	Ratio	Lower	Upper
112	100		
64	50.9	41.2	61.8
63	27.4	21.2	31.8



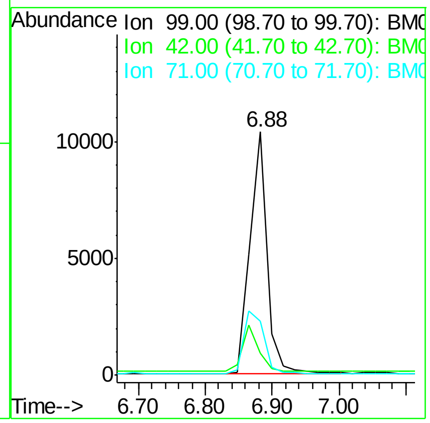
Instrument :
BNA_M
ClientSampleId :

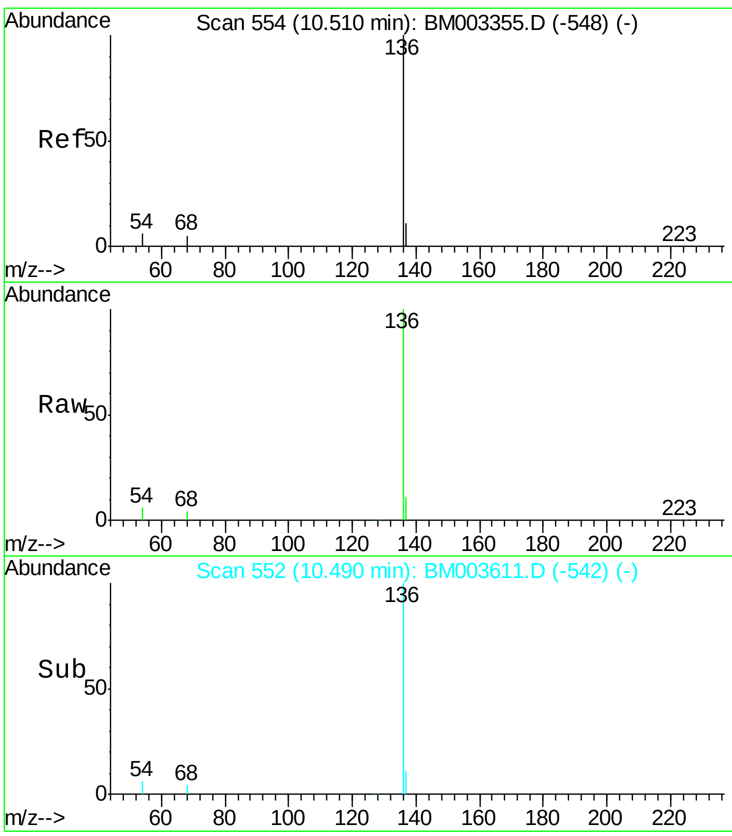


#5
Phenol-d6
Concen: 2.20 ng
RT: 6.88 min   Scan# 267
Delta R.T.   0.00 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Tgt Ion: 99 Resp: 18699

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	22.0
71	30.8	23.3	34.9

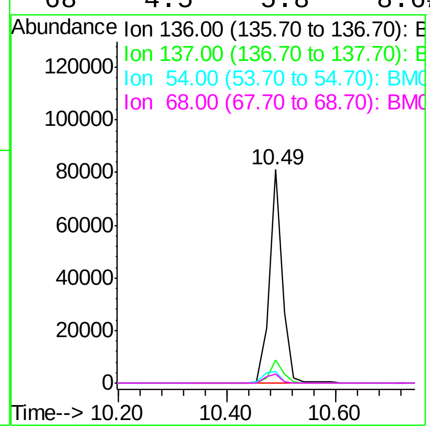


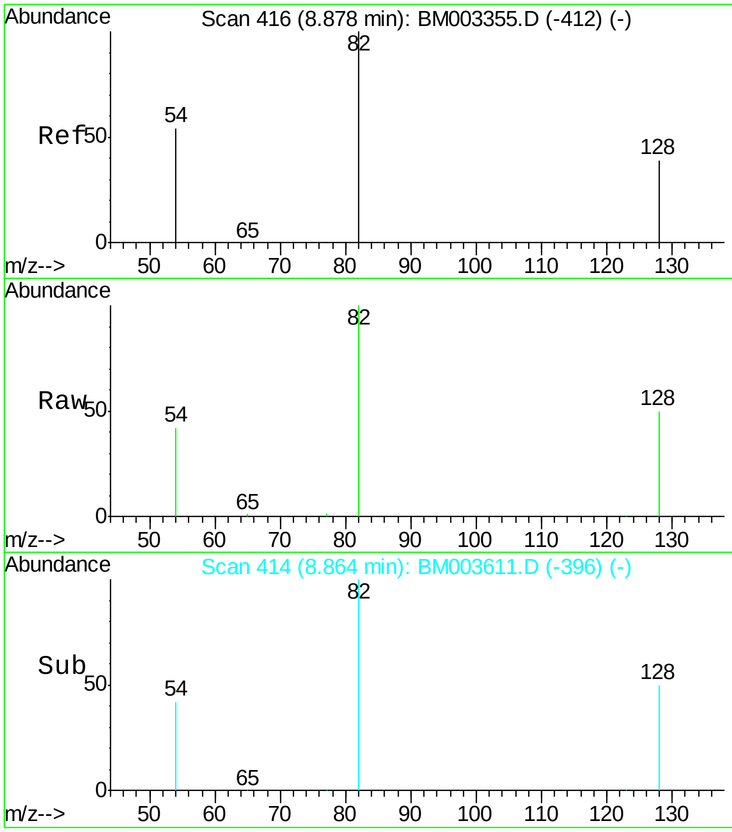


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.49 min   Scan# 552
Delta R.T.   -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Tgt Ion:136 Resp: 136645

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.0	12.0
54	5.6	7.4	11.0#
68	4.5	5.8	8.6#



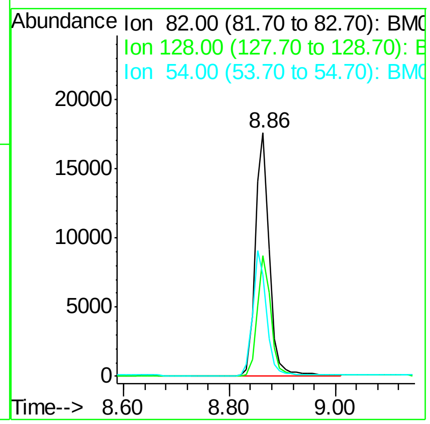


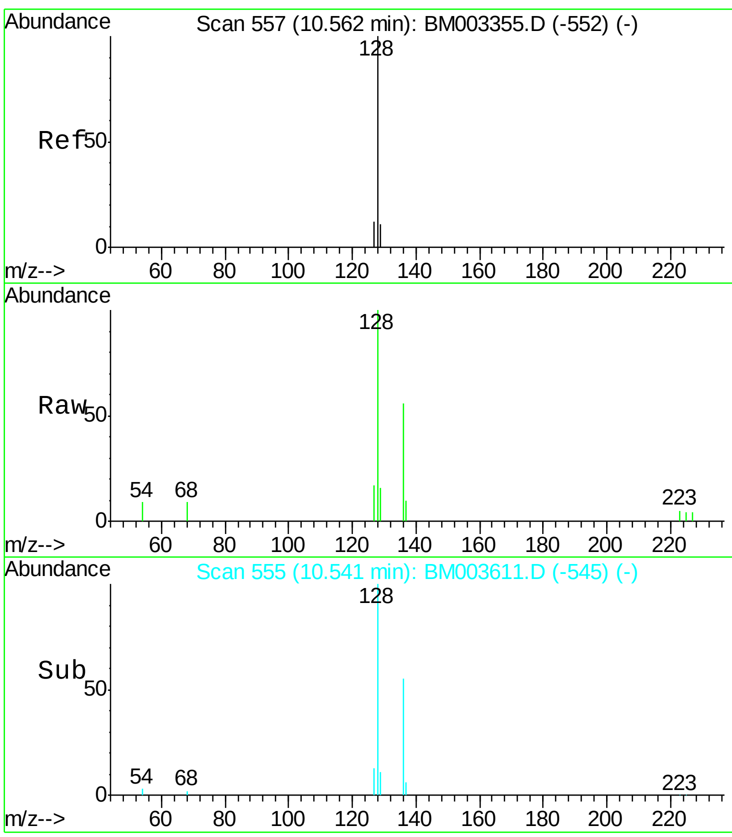
#8
Nitrobenzene-d5
Concen: 4.98 ng
RT: 8.86 min Scan# 414
Delta R.T. -0.01 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 82 Resp: 31710

Ion	Ratio	Lower	Upper
82	100		
128	49.7	35.2	52.8
54	42.0	36.4	54.6

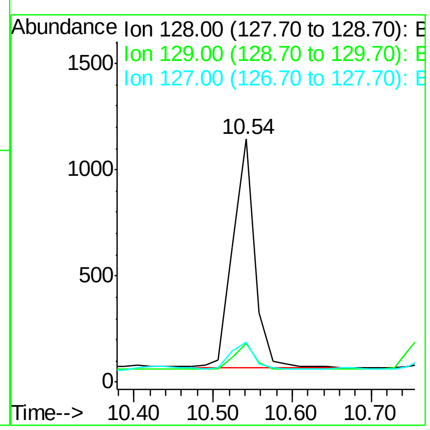


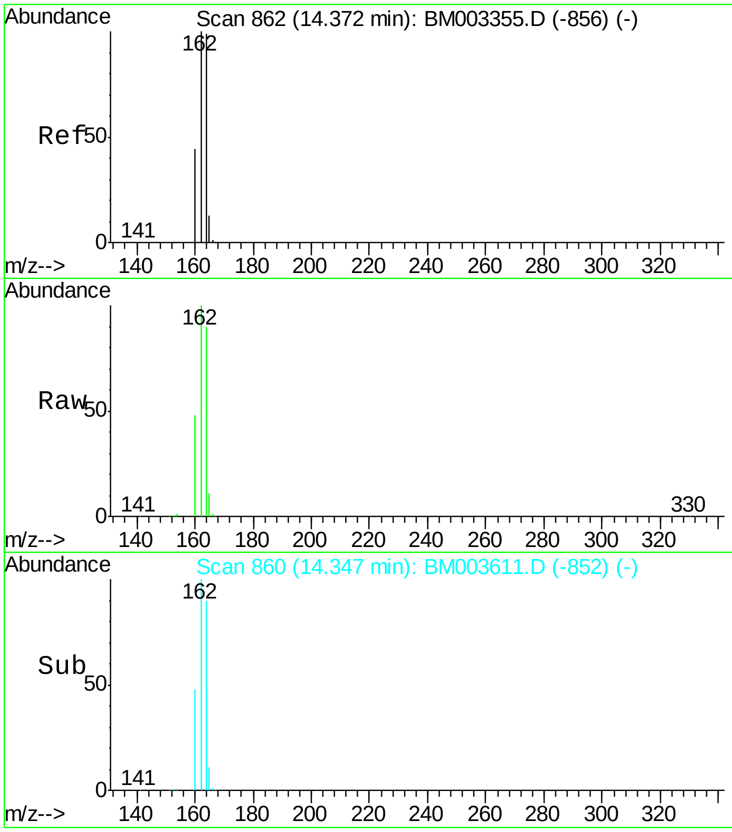


#10
Naphthalene
Concen: 0.07 ng
RT: 10.54 min Scan# 555
Delta R.T. -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:128 Resp: 2040

Ion	Ratio	Lower	Upper
128	100		
129	15.8	8.5	12.7#
127	16.6	10.6	16.0#



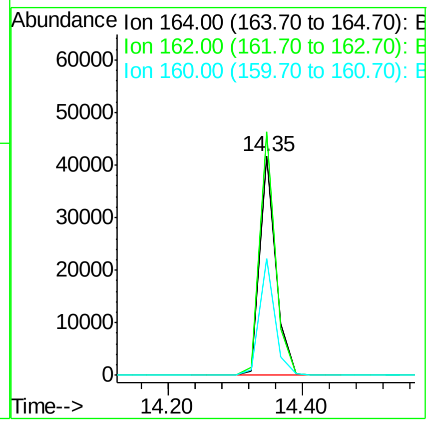


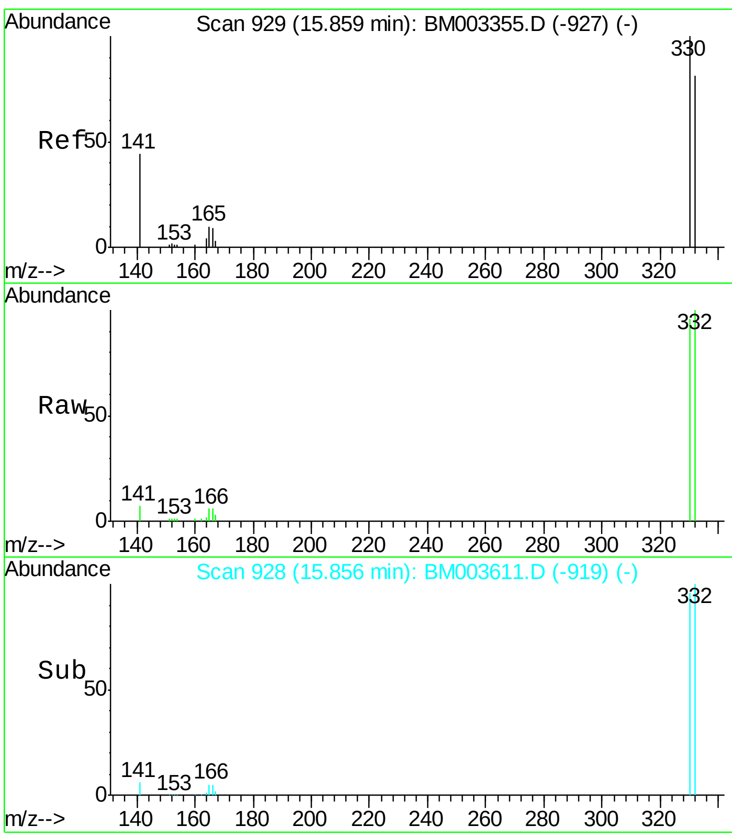
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.35 min   Scan# 860
Delta R.T.   -0.03 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:164 Resp: 70202

Ion	Ratio	Lower	Upper
164	100		
162	111.3	78.3	117.5
160	53.3	33.8	50.6#

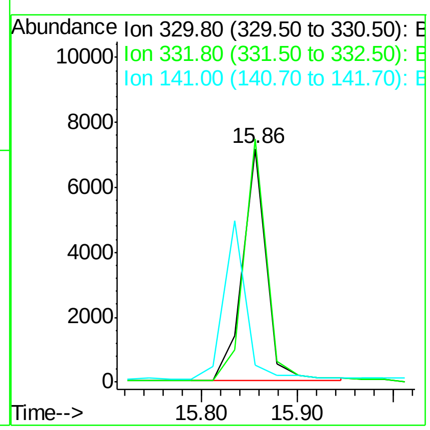


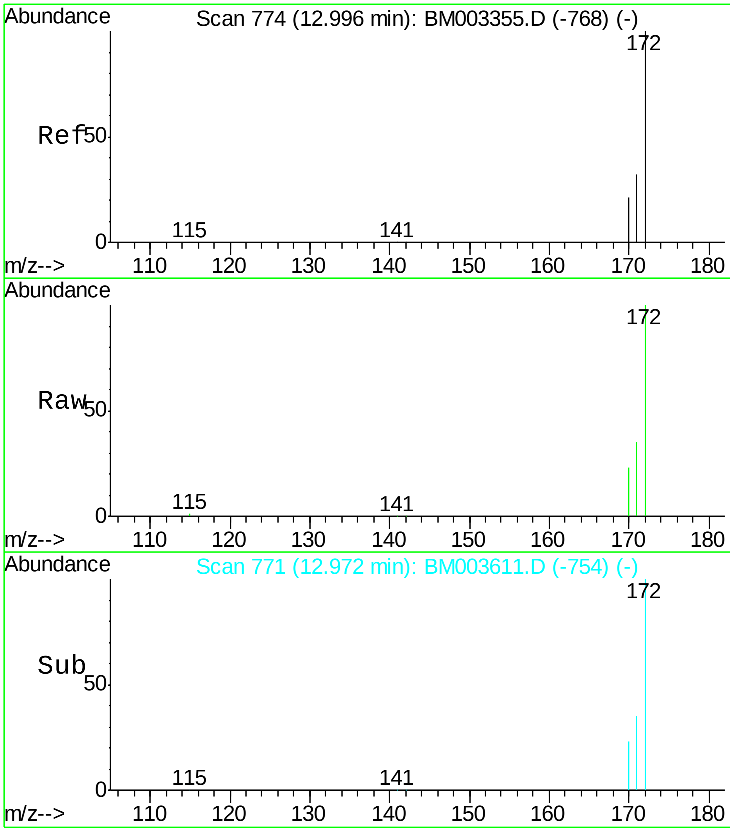


#14
2,4,6-Tribromophenol
Concen: 6.86 ng
RT: 15.86 min   Scan# 928
Delta R.T.   -0.00 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Tgt Ion:330 Resp: 12462

Ion	Ratio	Lower	Upper
330	100		
332	99.2	76.0	114.0
141	0.0	0.0	0.0



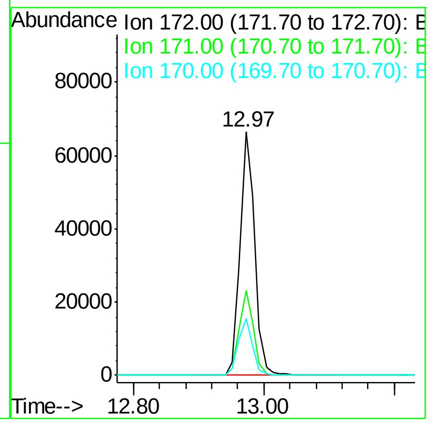


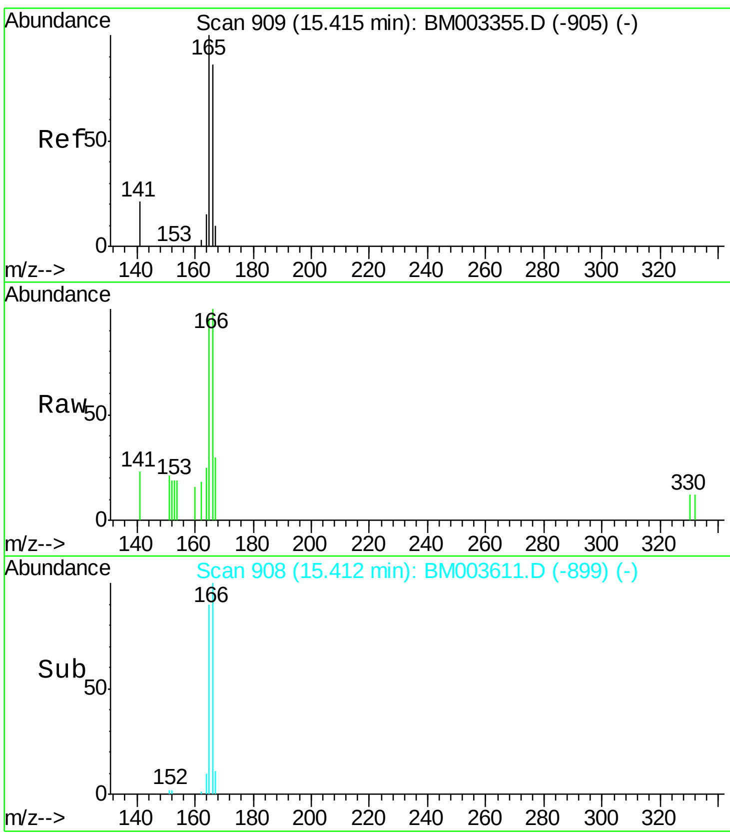
#15
2-Fluorobiphenyl
Concen: 4.85 ng
RT: 12.97 min Scan# 771
Delta R.T. -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:172 Resp: 102601

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	23.4	18.9	28.3

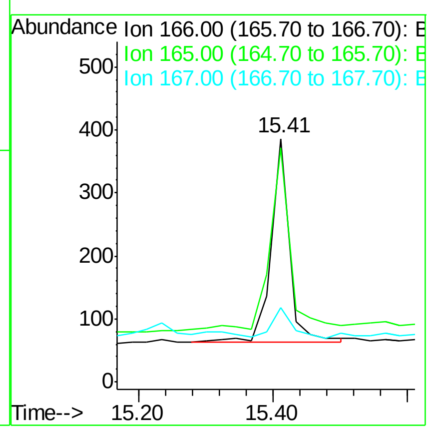


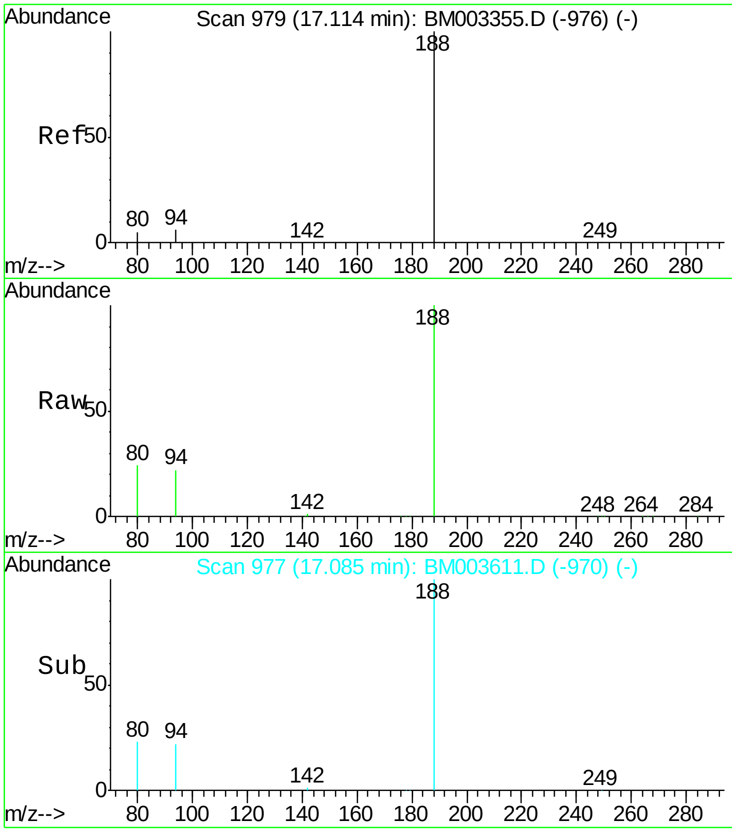


#18
Fluorene
Concen: 0.03 ng
RT: 15.41 min Scan# 908
Delta R.T. -0.00 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:166 Resp: 614

Ion	Ratio	Lower	Upper
166	100		
165	103.9	80.8	121.2
167	16.1	10.5	15.7#



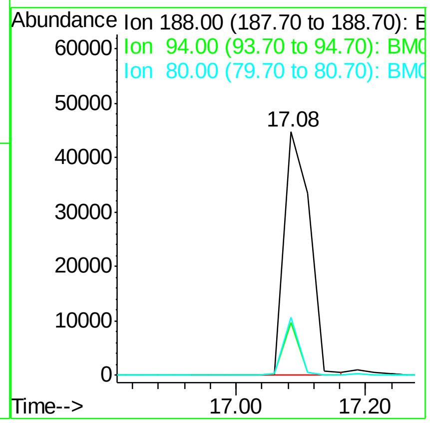


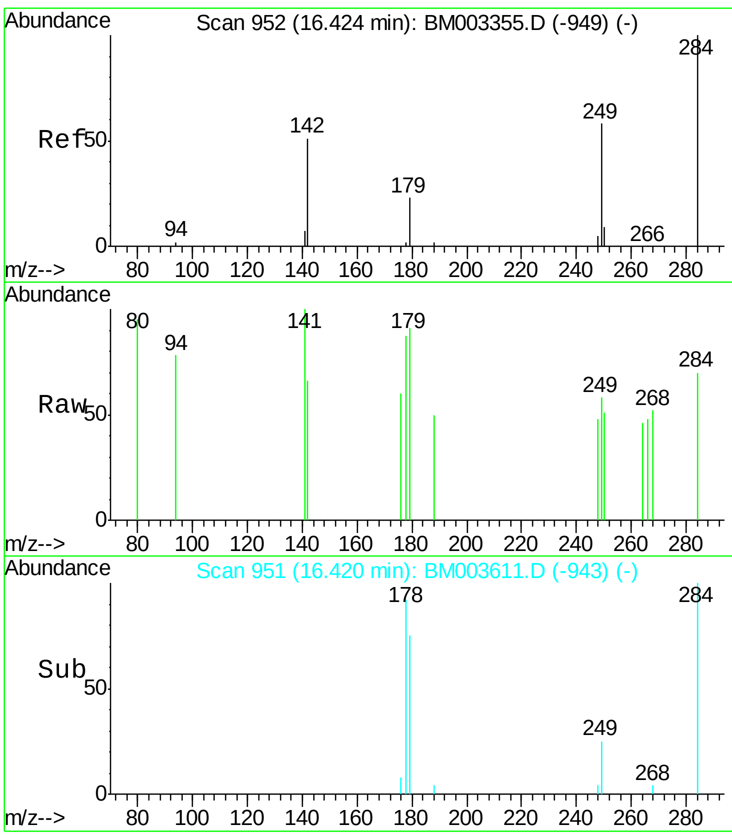
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.08 min Scan# 977
Delta R.T. -0.03 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:188 Resp: 121787

Ion	Ratio	Lower	Upper
188	100		
94	21.8	1.8	2.6#
80	23.7	1.4	2.0#

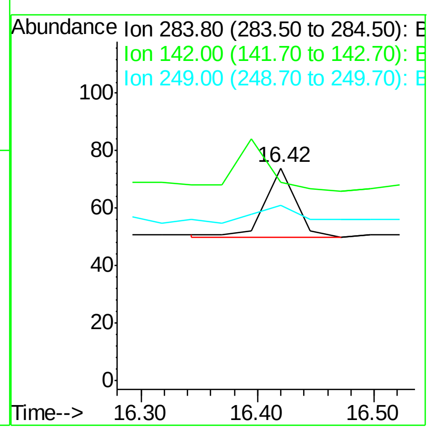




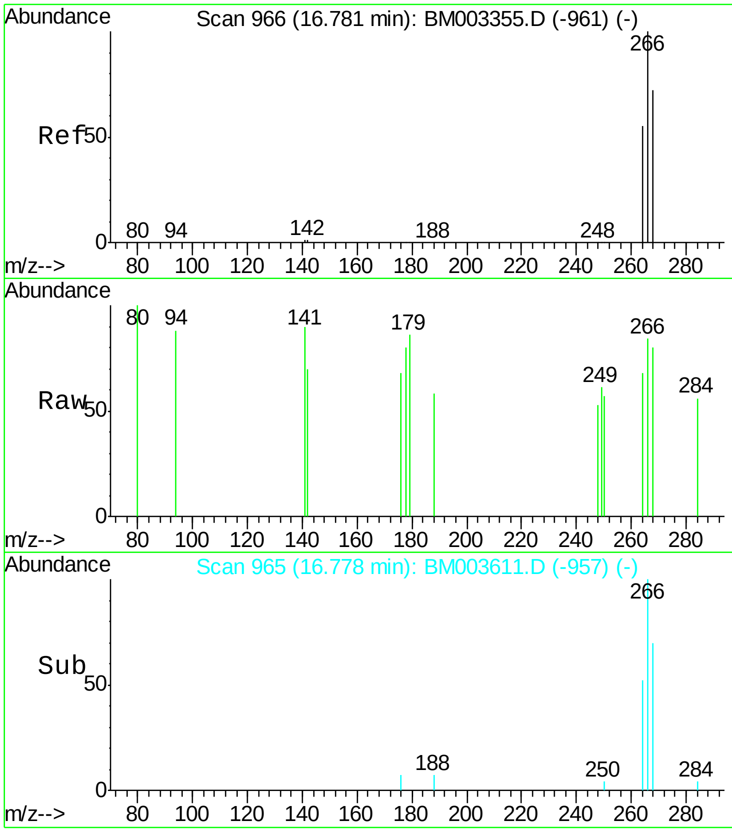
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.42 min Scan# 951
Delta R.T. -0.00 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:284 Resp: 44

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	40.9	19.4	29.2#



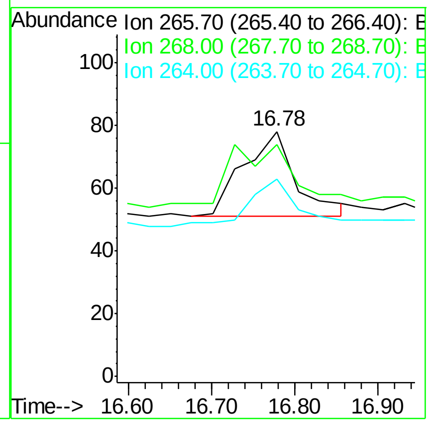
Instrument :	BNA_M
ClientSampleId :	

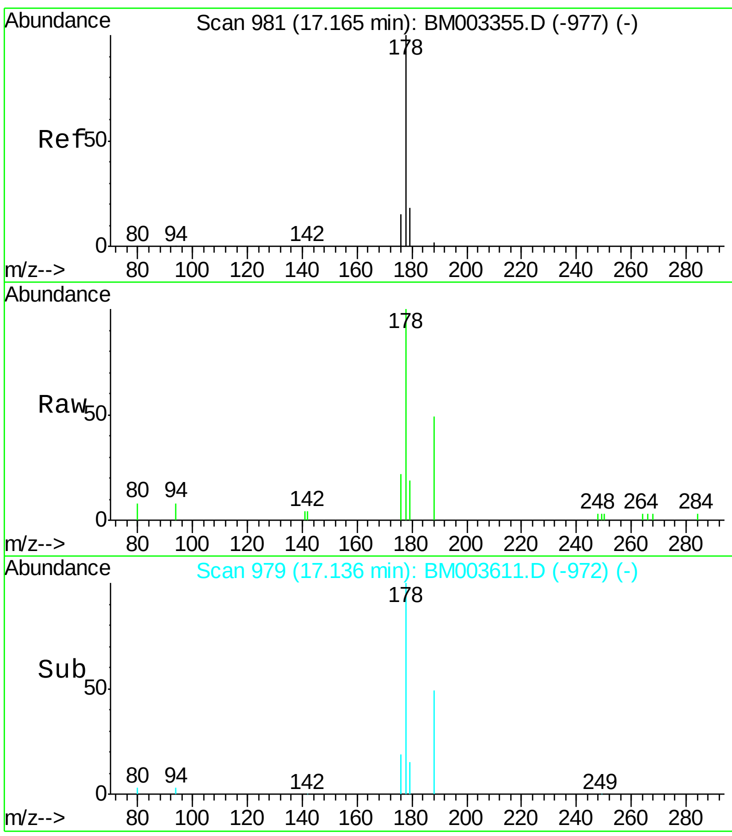


#22
Pentachlorophenol
Concen: 0.39 ng
RT: 16.78 min Scan# 965
Delta R.T. -0.00 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:266 Resp: 120

Ion	Ratio	Lower	Upper
266	100		
268	94.9	45.8	68.8#
264	80.8	56.7	85.1

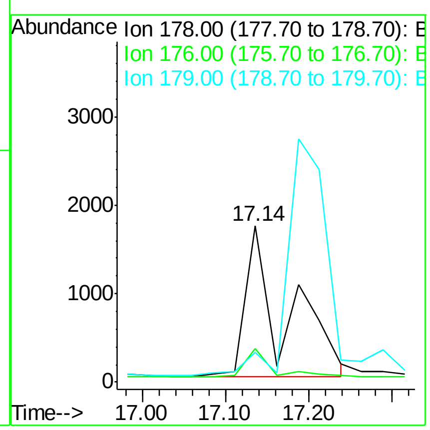


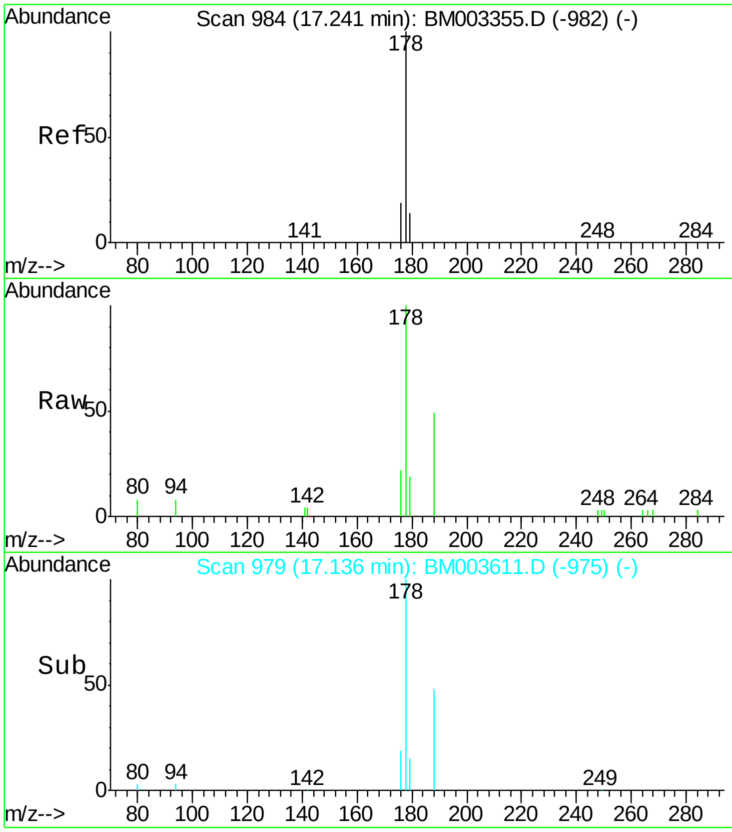


#23
Phenanthrene
Concen: 0.24 ng
RT: 17.14 min Scan# 979
Delta R.T. -0.03 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:178 Resp: 5661

Ion	Ratio	Lower	Upper
178	100		
176	12.6	15.9	23.9#
179	0.0	11.7	17.5#



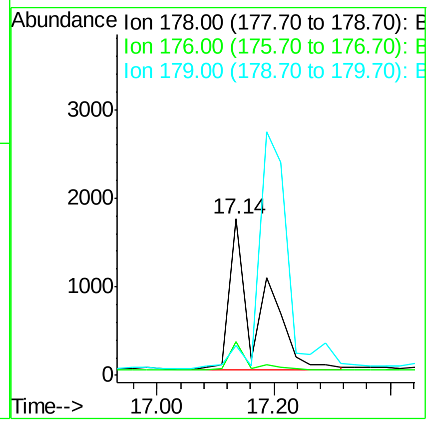


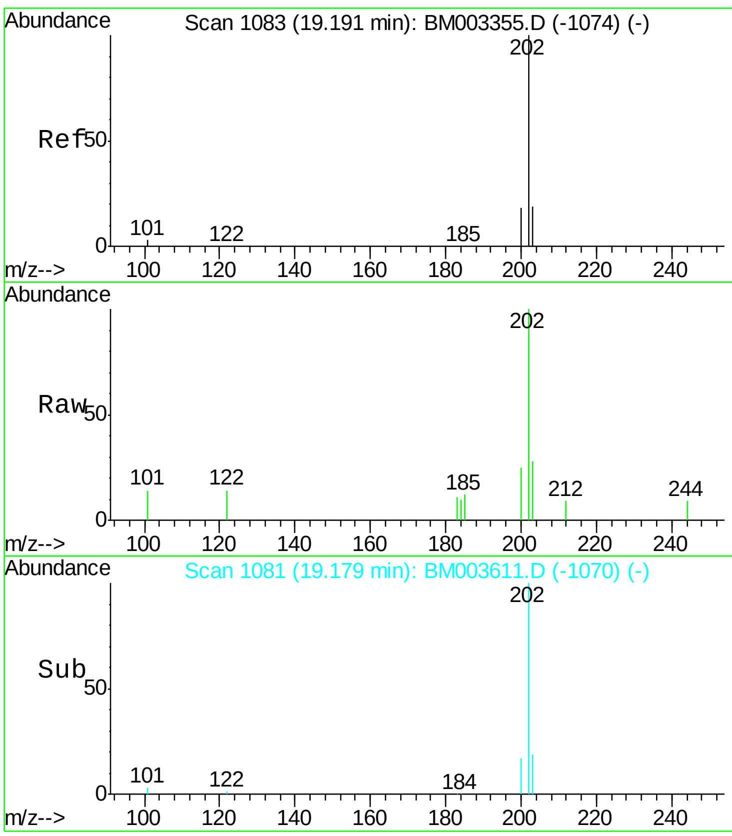
#24
Anthracene
Concen: 0.24 ng
RT: 17.14 min   Scan# 979
Delta R.T.   -0.11 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 5850

Ion	Ratio	Lower	Upper
178	100		
176	12.3	14.1	21.1#
179	0.0	12.8	19.2#

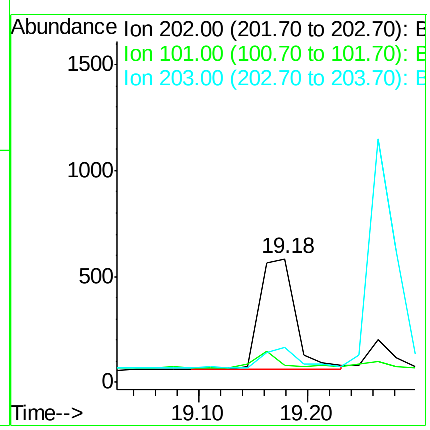


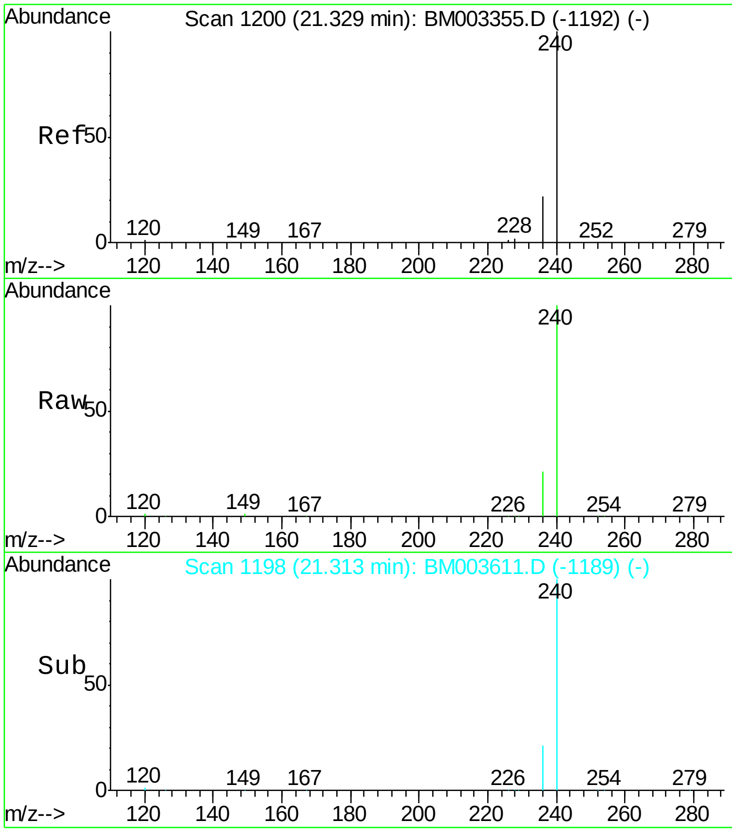


#25
Fluoranthene
Concen: 0.05 ng
RT: 19.18 min   Scan# 1081
Delta R.T.   -0.01 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Tgt Ion:202 Resp: 1189

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.9	14.9
203	22.5	13.9	20.9#



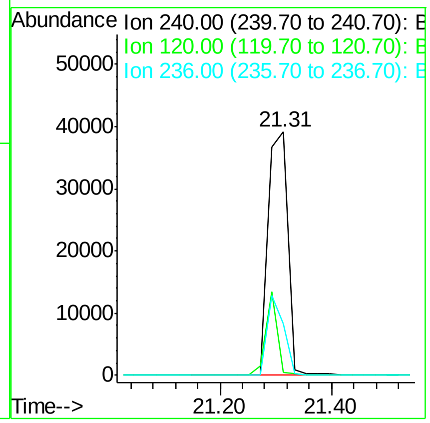


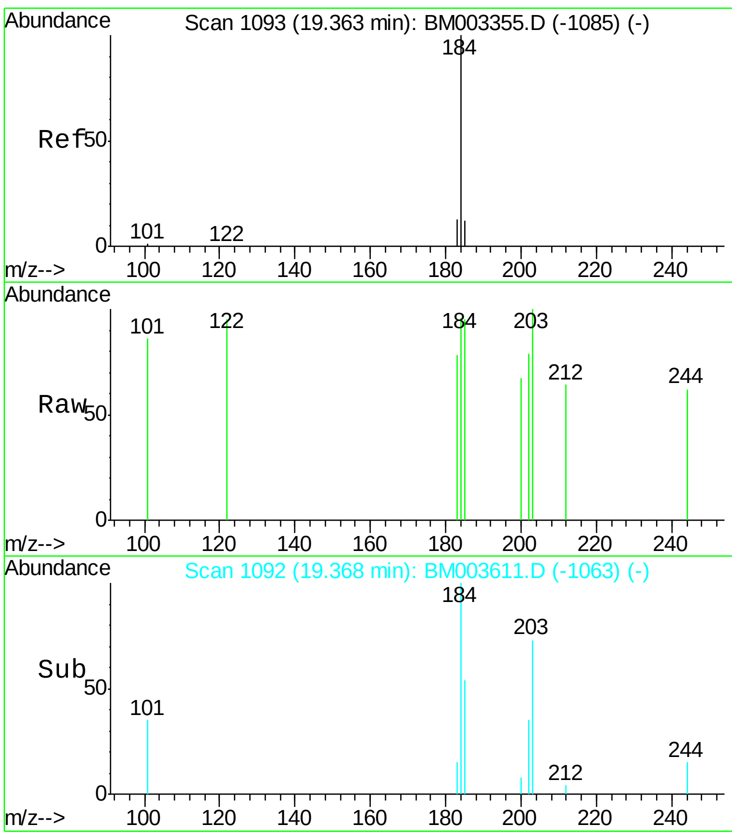
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min   Scan# 1198
Delta R.T.   -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:240 Resp: 95024

Ion	Ratio	Lower	Upper
240	100		
120	1.2	1.0	1.4
236	21.1	17.9	26.9

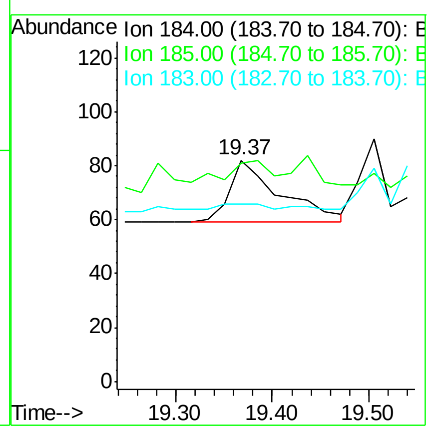


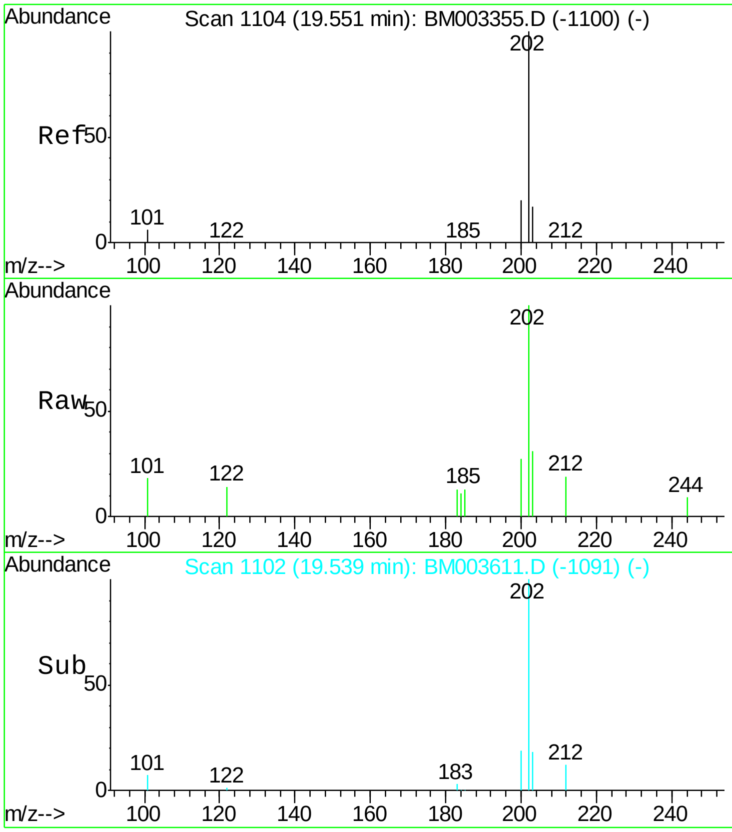


#27
Benzidine
Concen: 0.38 ng
RT: 19.37 min   Scan# 1092
Delta R.T.   0.01 min
Lab File: BM003611.D
Acq: 18 Dec 2015   13:49

Tgt Ion:184 Resp: 84

Ion	Ratio	Lower	Upper
184	100		
185	98.8	11.6	17.4#
183	80.5	8.6	13.0#

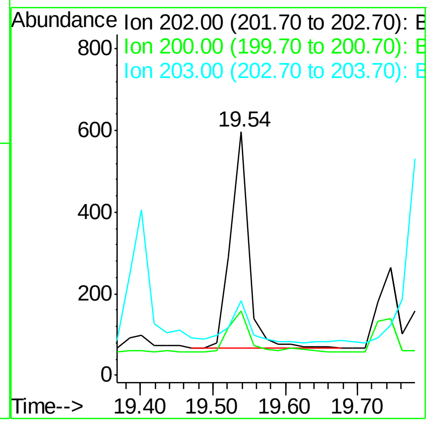


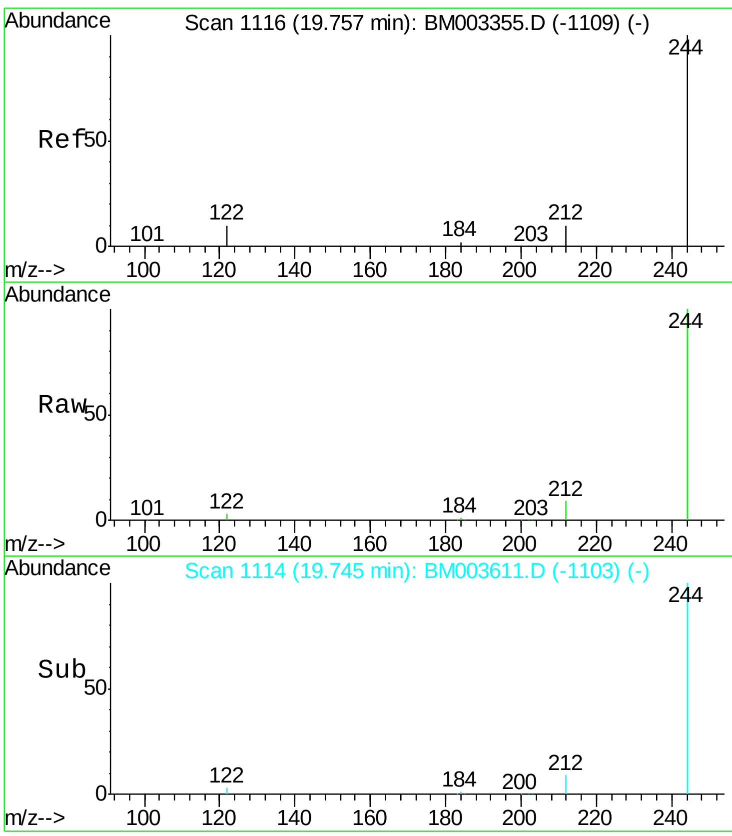



```
#28
Pyrene
Concen:    0.03 ng
RT: 19.54 min  Scan# 1102
Delta R.T.   -0.01 min
Lab File:   BM003611.D
Acq: 18 Dec 2015  13:49

Tgt Ion:202 Resp:     925
Ion  Ratio  Lower  Upper
202  100
200   21.0   16.7   25.1
203   22.6   13.8   20.6#
```

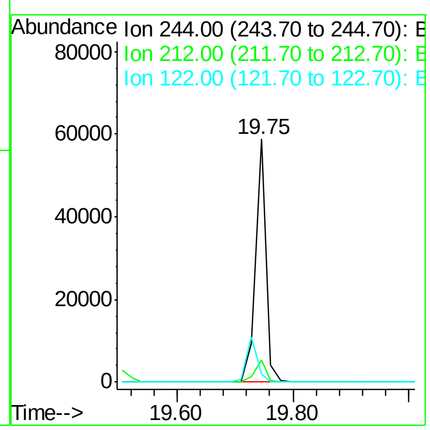
Instrument :
BNA_M
ClientSampleId :

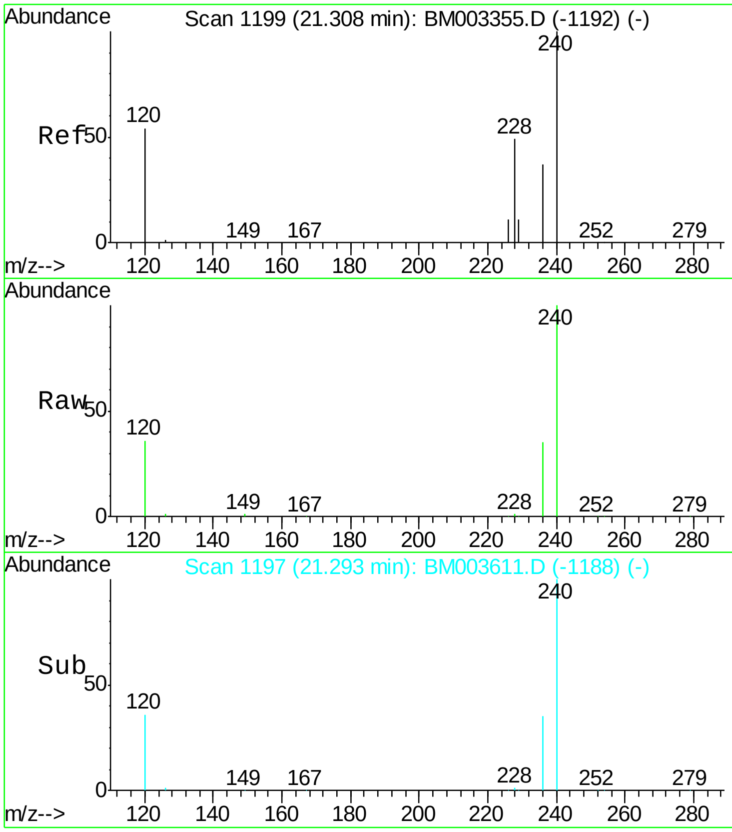





```
#29
Terphenyl-d14
Concen:    4.86 ng
RT: 19.75 min  Scan# 1114
Delta R.T.   -0.01 min
Lab File:   BM003611.D
Acq: 18 Dec 2015  13:49

Tgt Ion:244 Resp:   74959
Ion  Ratio  Lower  Upper
244  100
212    9.3    6.5    9.7
122    3.3    2.0    3.0#
```



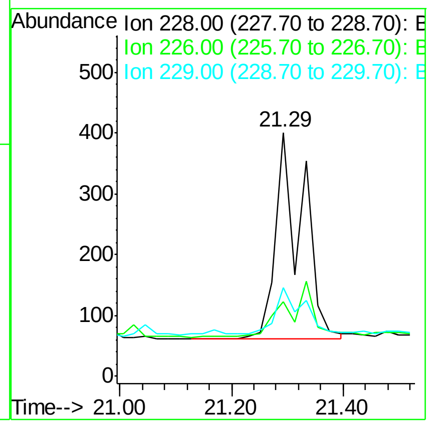


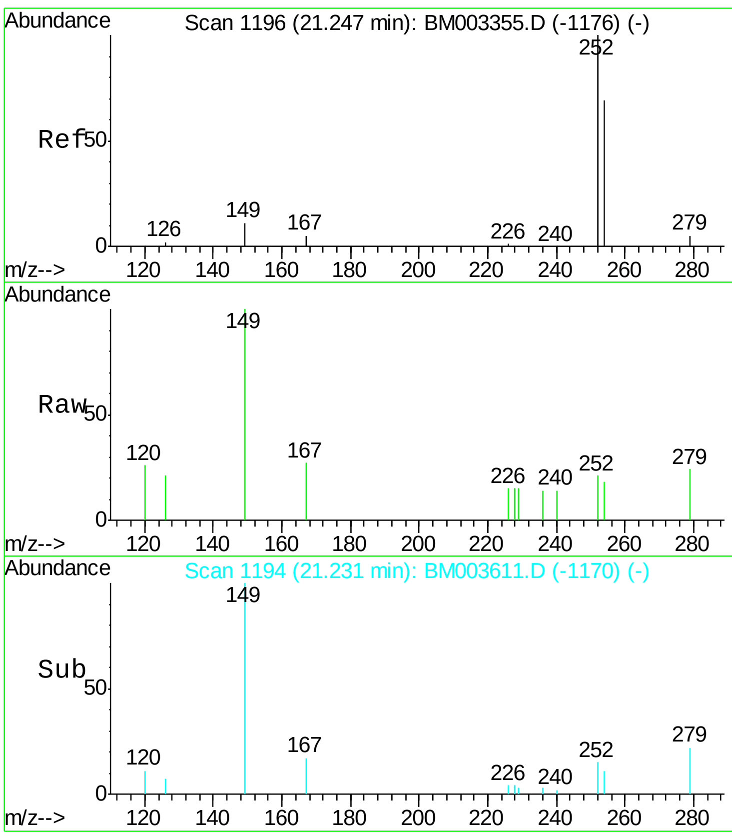
#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.29 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 1148

Ion	Ratio	Lower	Upper
228	100		
226	30.4	17.8	26.6#
229	36.4	18.0	27.0#

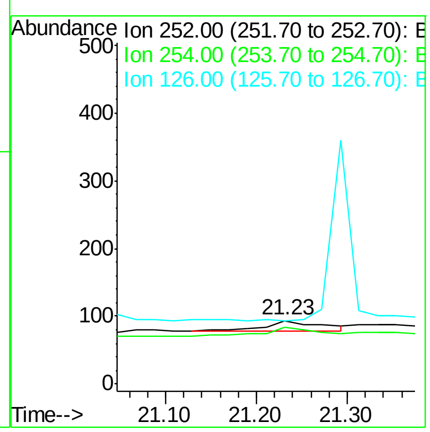


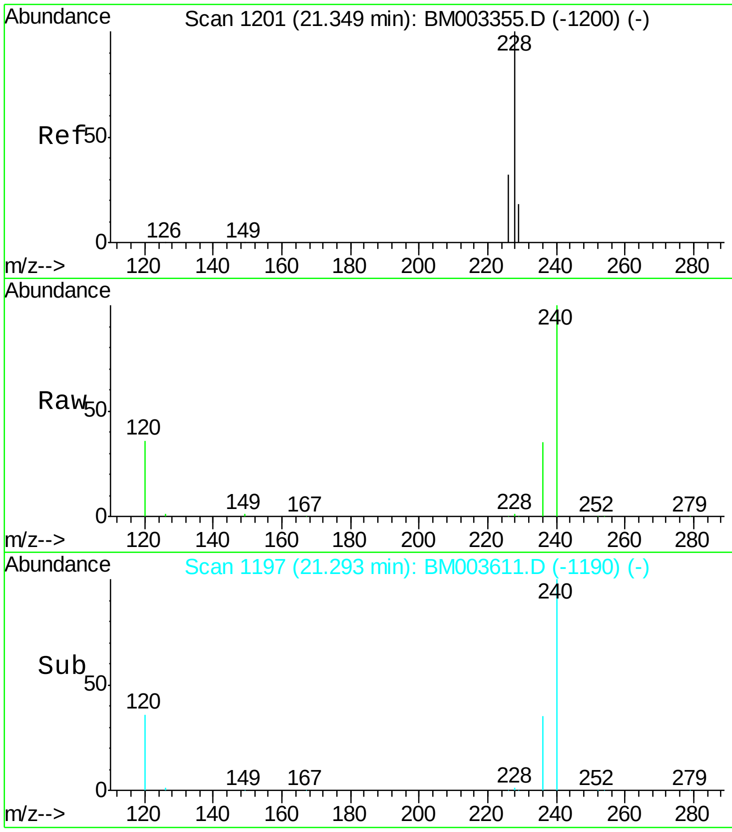


#31
3,3'-Dichlorobenzidine
Concen: 0.10 ng
RT: 21.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:252 Resp: 68

Ion	Ratio	Lower	Upper
252	100		
254	88.3	53.7	80.5#
126	100.0	2.8	4.2#



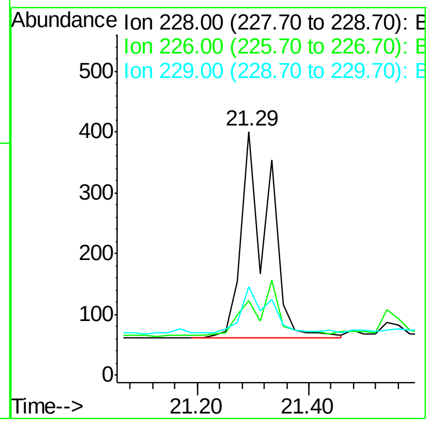


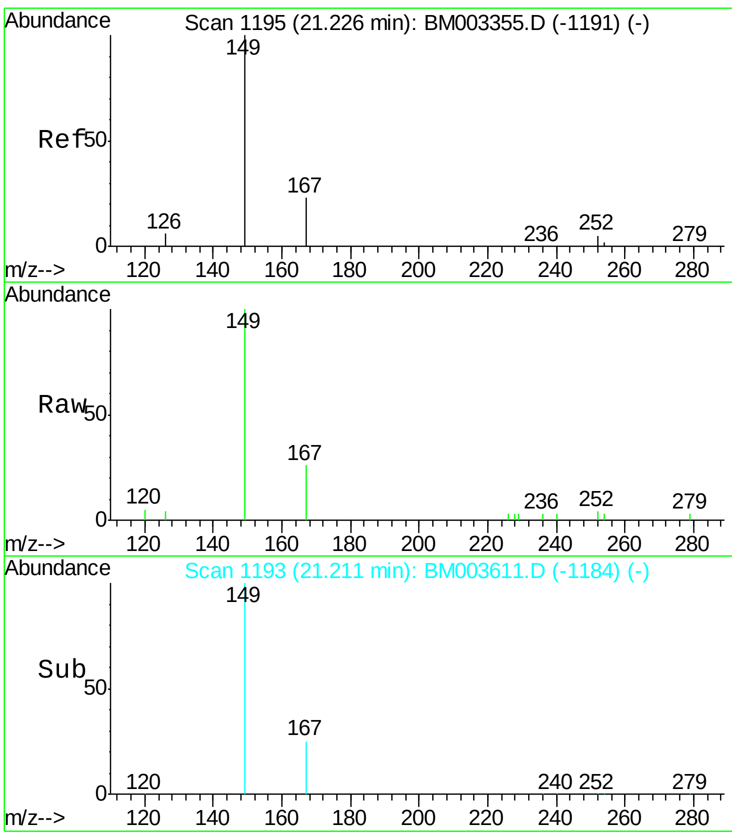
#32
Chrysene
Concen: 0.04 ng
RT: 21.29 min Scan# 1197
Delta R.T. -0.06 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 1156

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.5	38.3
229	36.4	14.3	21.5#

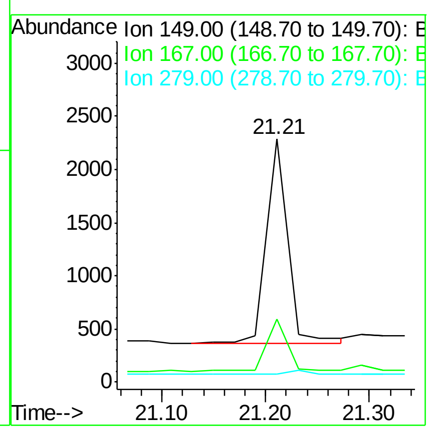


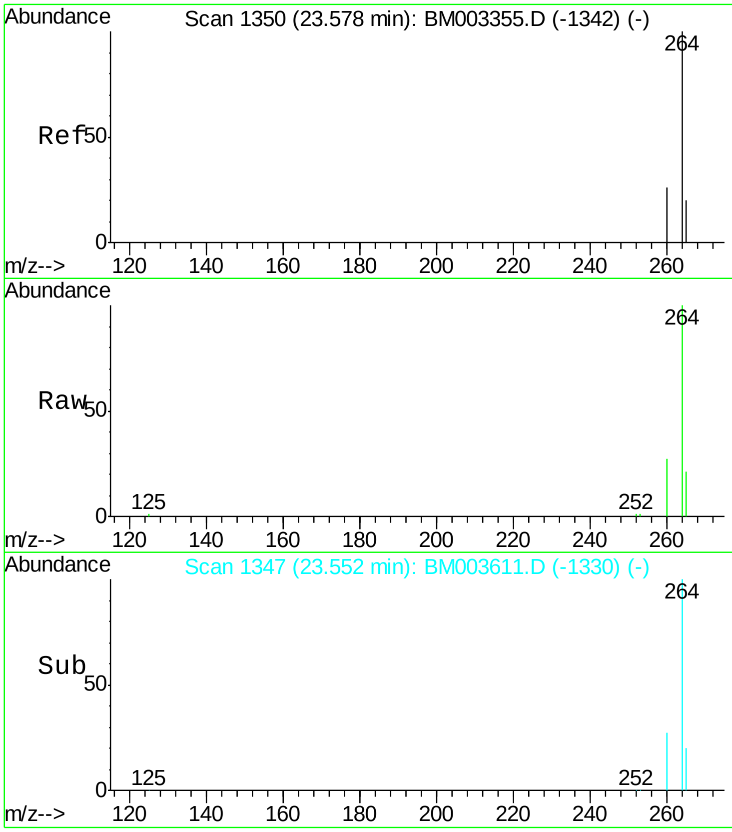


#33
Bis(2-ethylhexyl)phthalate
Concen: 0.40 ng
RT: 21.21 min Scan# 1193
Delta R.T. -0.02 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Tgt Ion:149 Resp: 2682

Ion	Ratio	Lower	Upper
149	100		
167	24.9	19.6	29.4
279	0.0	0.0	0.0





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.55 min Scan# 1347
Delta R.T. -0.03 min
Lab File: BM003611.D
Acq: 18 Dec 2015 13:49

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:264 Resp: 98832

Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.6	29.4
265	21.1	18.4	27.6