Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001053.D
Acq On : 18 Apr 2015 09:49
Operator : TP/IZ
Sample : PB82802BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB82802BS

Quant Time: Apr 20 08:16:32 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 08:05:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	23046	5.00	ng		0.00
4) Naphthalene-d8	10.36	136	83944	5.00	ng		0.00
8) Acenaphthene-d10	14.24	164	45323	5.00	ng		0.00
13) Phenanthrene-d10	16.99	188	99045	5.00	ng		0.00
19) Chrysene-d12	21.19	240	91756	5.00	ng		0.00
25) Perylene-d12	23.36	264	82685	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	8.74	82	28956	6.61	ng		0.00
9) 2-Fluorobiphenyl	12.86	172	83658	5.59	ng		0.00
21) Terphenyl-d14	19.63	244	70383	5.79	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	12032	4.63	ng	#	100
3) n-Nitrosodimethylamine	3.39	42	14266	5.86	ng		95
6) Naphthalene	10.41	128	104650	5.22	ng		99
7) 2-Methylnaphthalene	12.04	142	69183	5.35	ng		96
10) Acenaphthylene	13.95	152	121367	6.06	ng		99
11) Acenaphthene	14.29	154	71826	5.12	ng		99
12) Fluorene	15.29	166	89610	5.55	ng		99
14) Hexachlorobenzene	16.31	284	29469	5.38	ng	#	100
15) Pentachlorophenol	16.64	266	24894	12.61	ng		95
16) Phenanthrene	17.03	178	136983	5.21	ng		99
17) Anthracene	17.11	178	145421	6.02	ng		99
18) Fluoranthene	19.05	202	162428	5.92	ng		100
20) Pyrene	19.42	202	175096	5.76	ng		99
22) Benzo(a)anthracene	21.17	228	159810	6.01	ng		99
23) Chrysene	21.22	228	156881	5.60	ng		98
24) Indeno(1,2,3-cd)pyrene	25.52	276	160958	5.63	ng		99
26) Benzo(b)fluoranthene	22.70	252	151059	5.68	ng		98
27) Benzo(k)fluoranthene	22.74	252	152363	5.98	ng		97
28) Benzo(a)pyrene	23.25	252	142497	6.27	ng		97
29) Dibenzo(a,h)anthracene	25.54	278	131919	5.87	ng		96
30) Benzo(g,h,i)perylene	26.18	276	137483	5.65	ng		98

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

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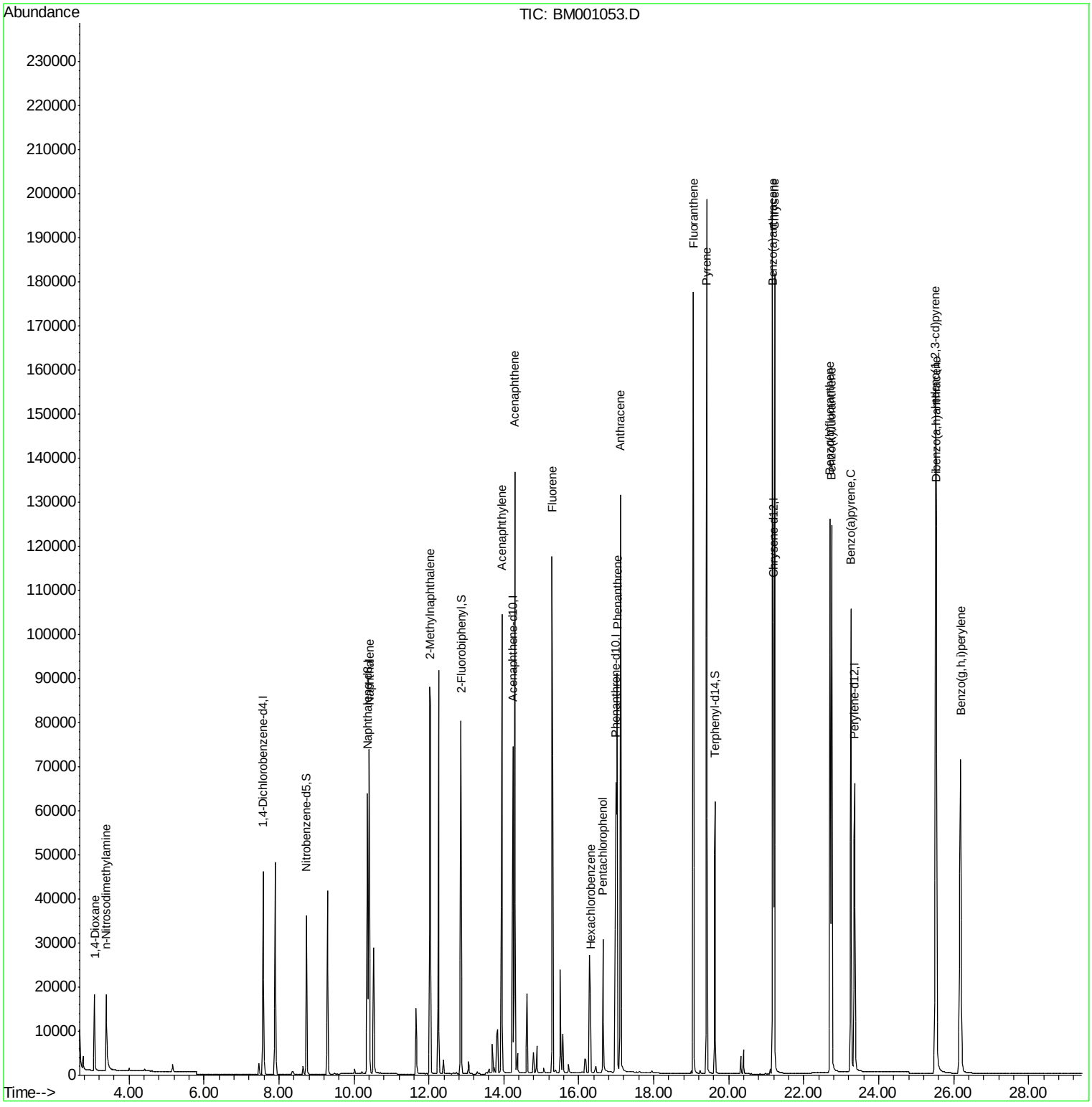
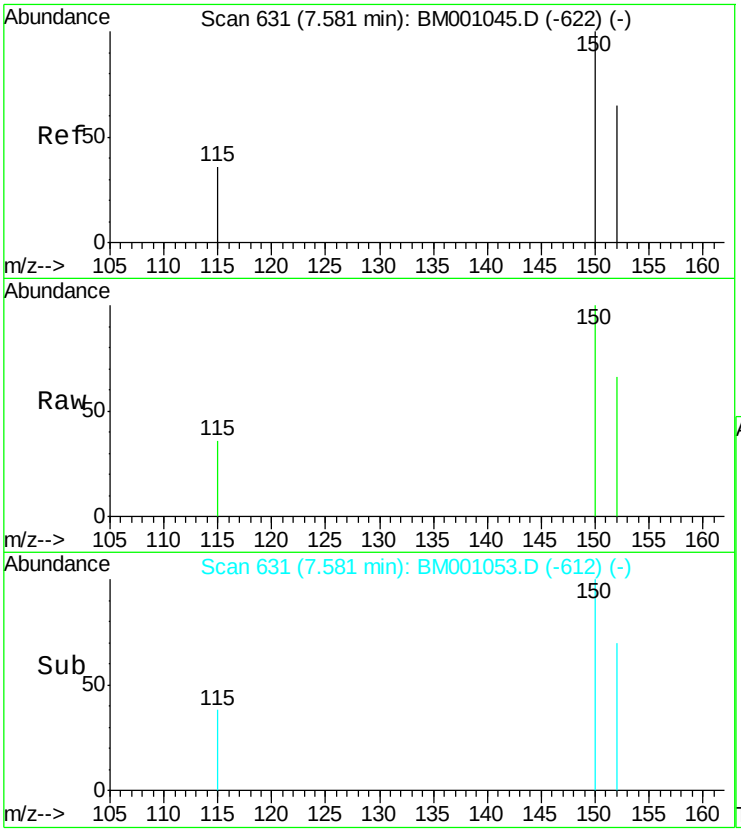


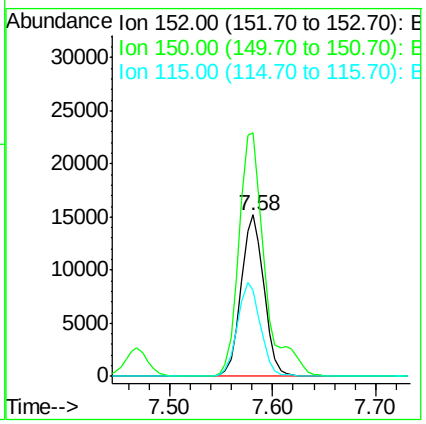


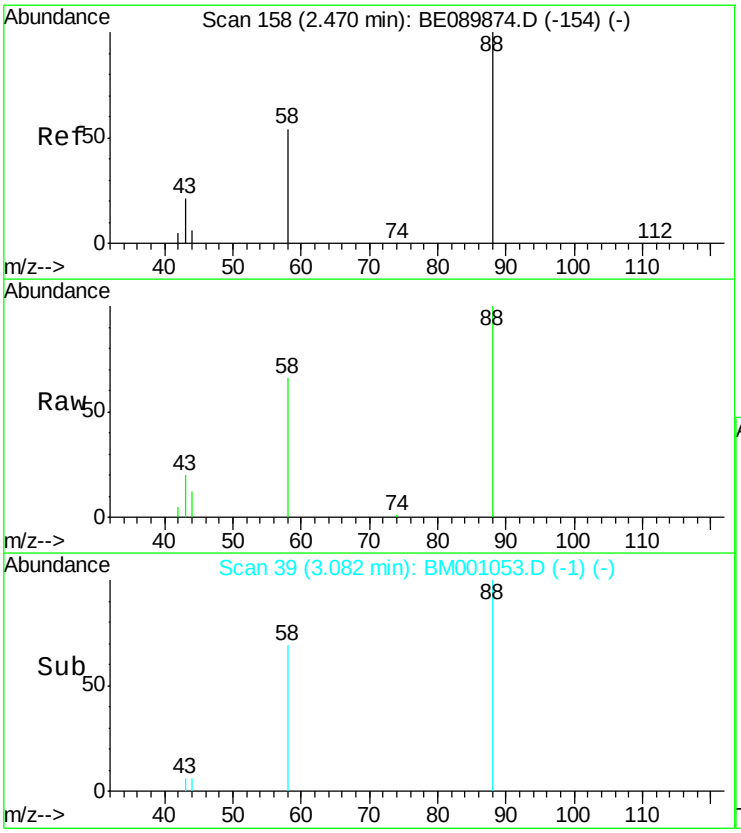
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:152 Resp: 23046

Ion	Ratio	Lower	Upper
152	100		
150	151.0	123.3	184.9
115	53.8	45.0	67.6

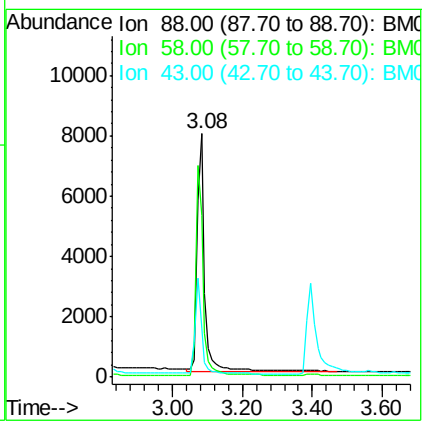


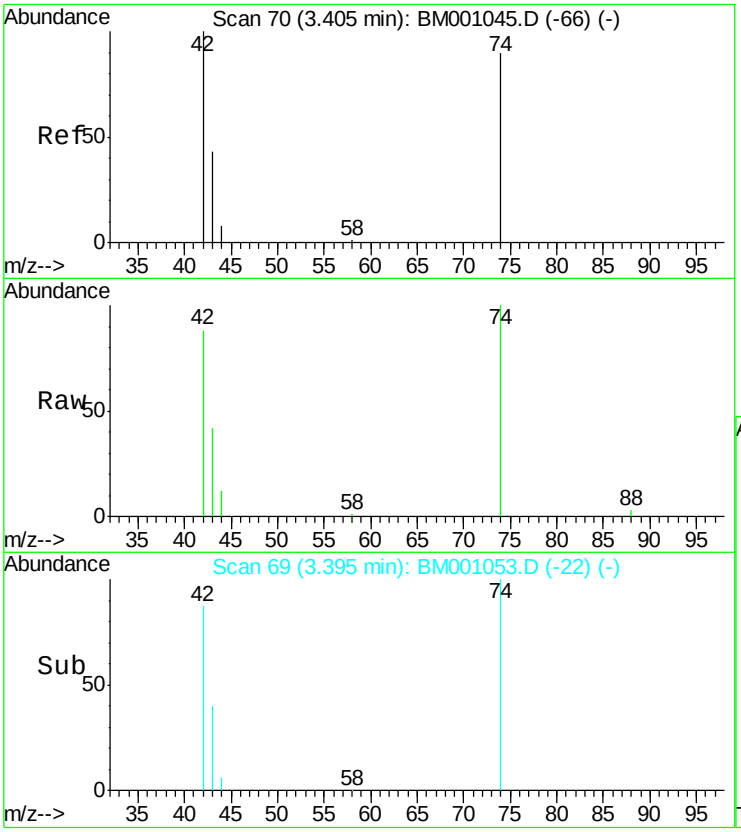


#2
1,4-Dioxane
Concen: 4.63 ng
RT: 3.08 min Scan# 39
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion: 88 Resp: 12032

Ion	Ratio	Lower	Upper
88	100		
58	82.1	0.0	0.0#
43	34.7	0.0	0.0#



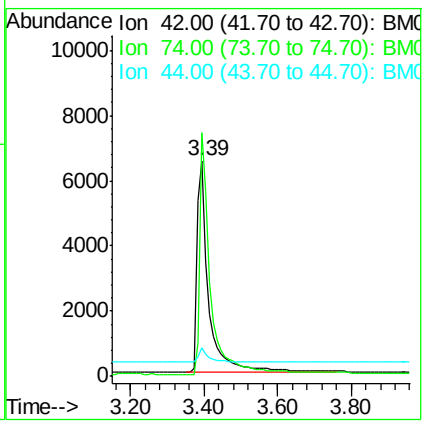


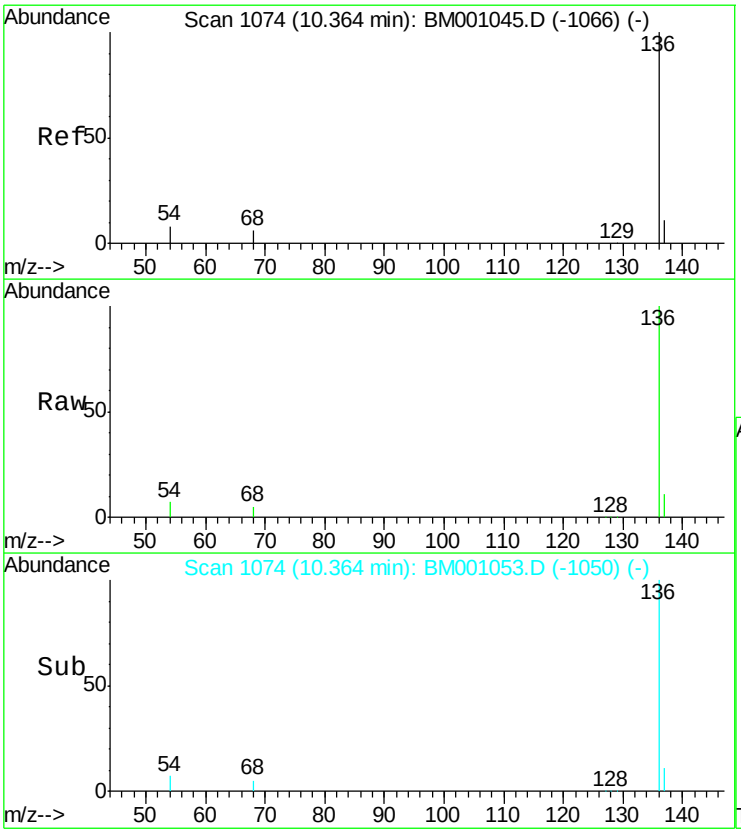
#3
n-Nitrosodimethylamine
Concen: 5.86 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.01 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion: 42 Resp: 14266

Ion	Ratio	Lower	Upper
42	100		
74	109.1	92.1	138.1
44	5.9	5.8	8.6

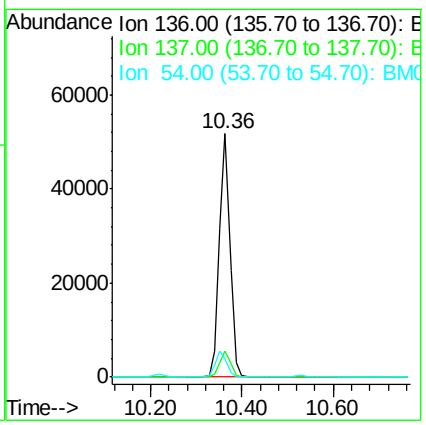


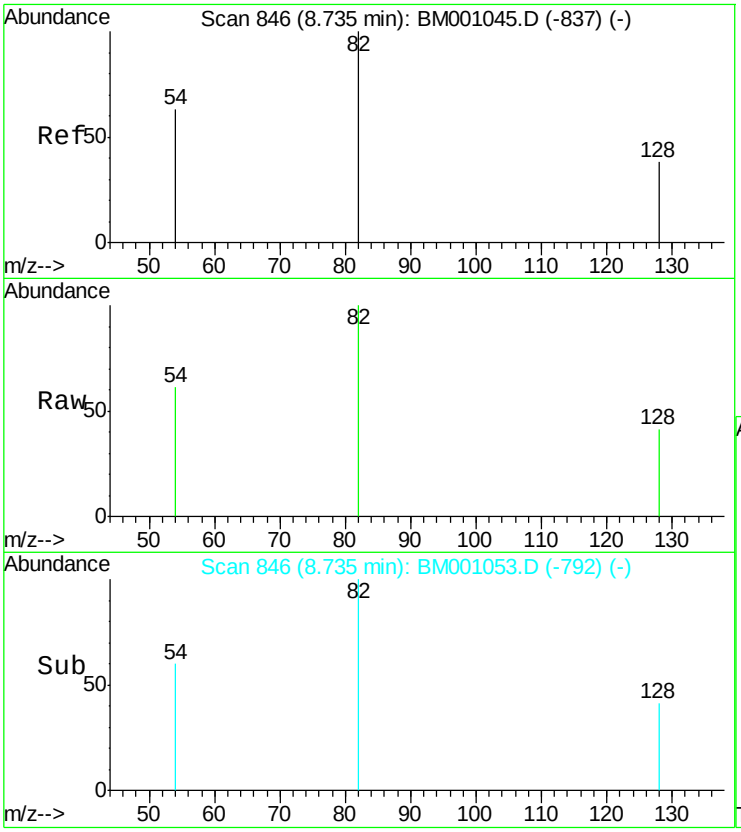


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.36 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:136 Resp: 83944

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.3	6.5	9.7



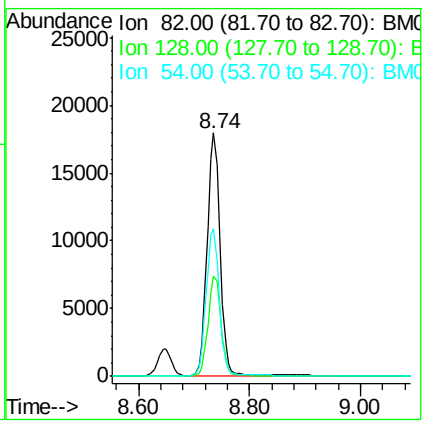


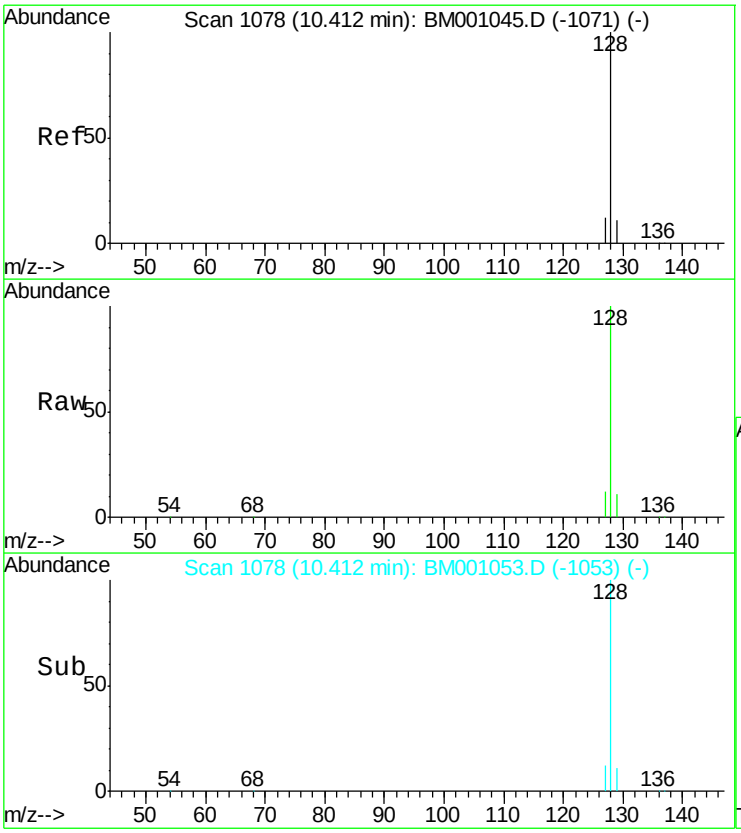
#5
Nitrobenzene-d5
Concen: 6.61 ng
RT: 8.74 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion: 82 Resp: 28956

Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.9	47.9
54	60.6	51.3	76.9

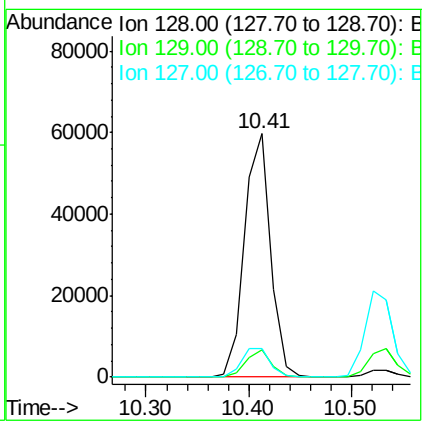


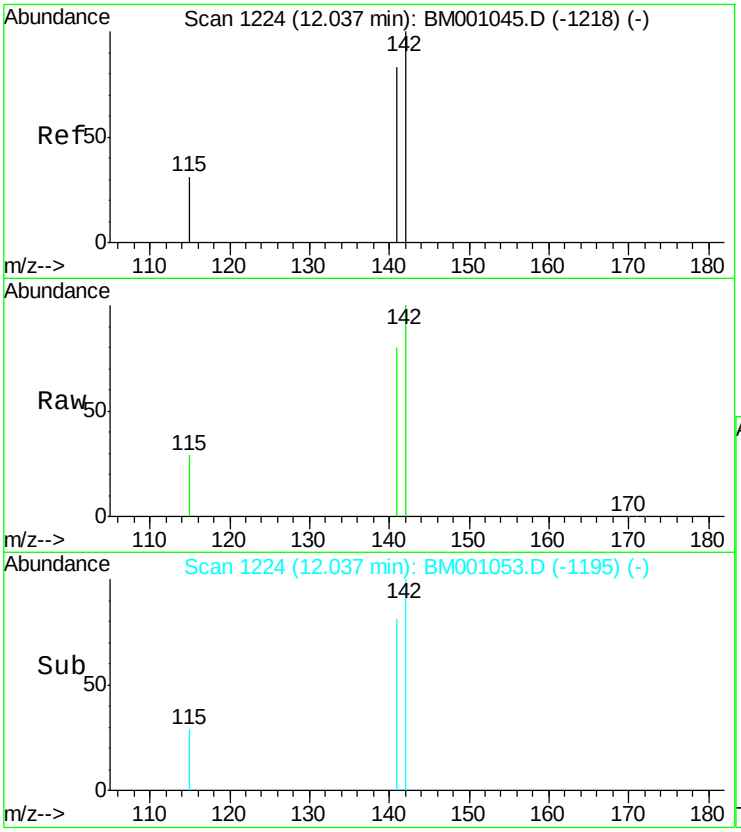


#6
Naphthalene
Concen: 5.22 ng
RT: 10.41 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:128 Resp: 104650

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	11.9	10.0	15.0



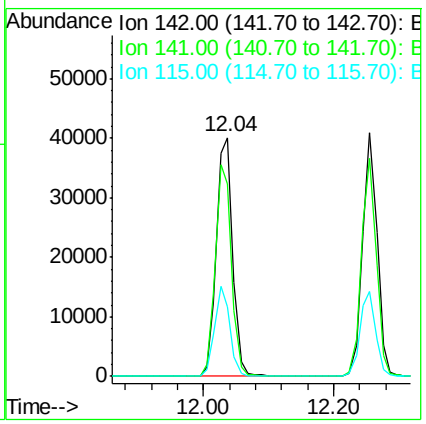


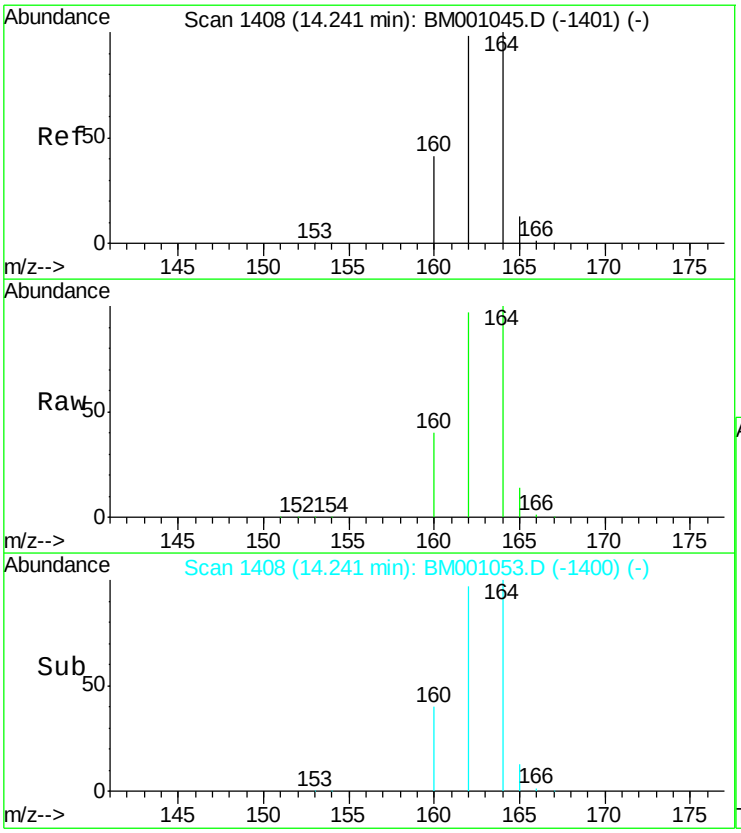
#7
2-Methylnaphthalene
Concen: 5.35 ng
RT: 12.04 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:142 Resp: 69183

Ion	Ratio	Lower	Upper
142	100		
141	80.5	66.7	100.1
115	29.2	25.5	38.3

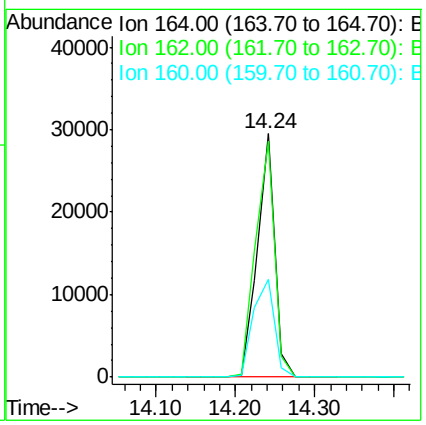


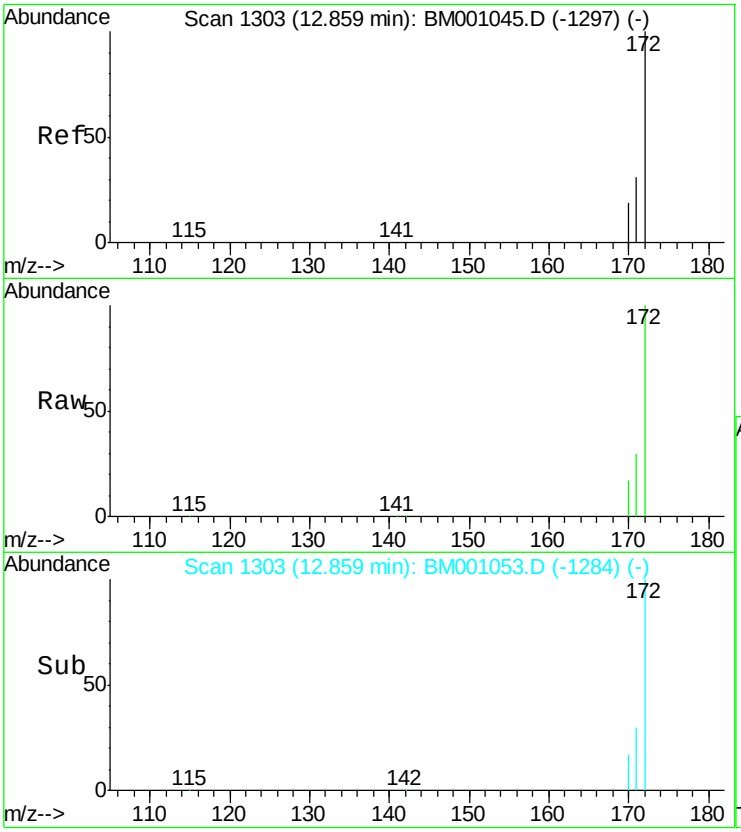


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:164 Resp: 45323

Ion	Ratio	Lower	Upper
164	100		
162	97.0	78.5	117.7
160	40.0	32.9	49.3



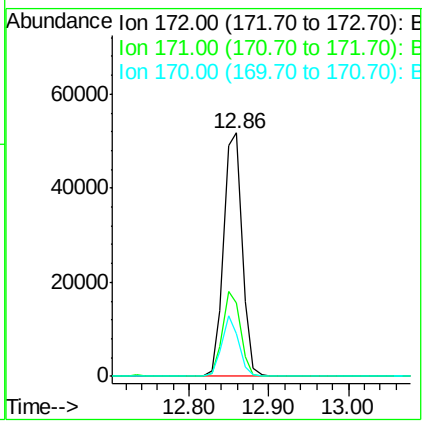


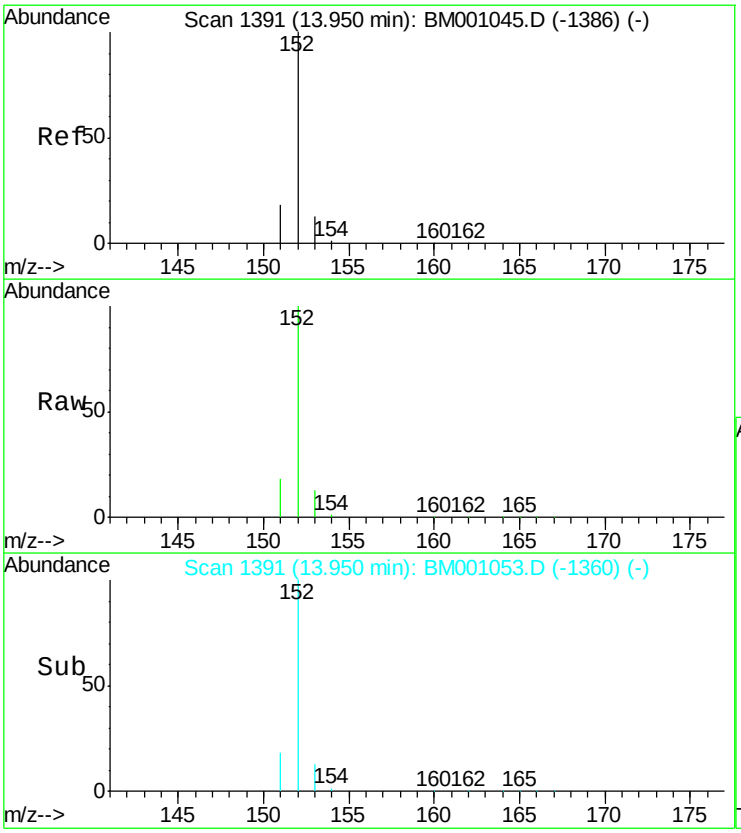
#9
2-Fluorobiphenyl
Concen: 5.59 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:172 Resp: 83658

Ion	Ratio	Lower	Upper
172	100		
171	30.1	25.6	38.4
170	17.4	15.8	23.6

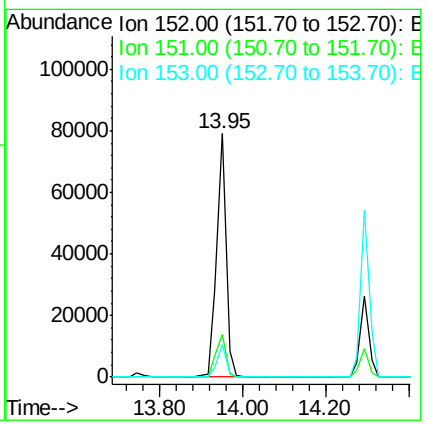


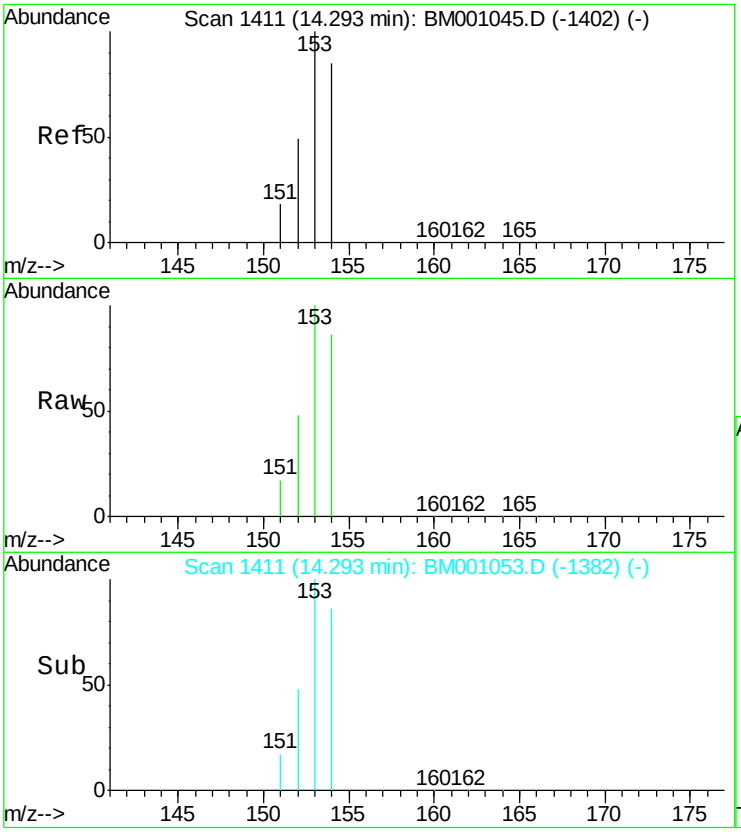


#10
Acenaphthylene
Concen: 6.06 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:152 Resp: 121367

Ion	Ratio	Lower	Upper
152	100		
151	18.7	14.7	22.1
153	12.8	10.2	15.2



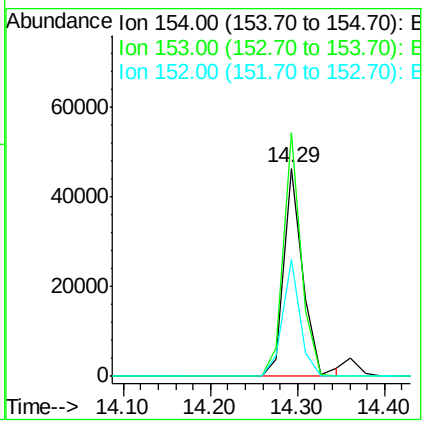


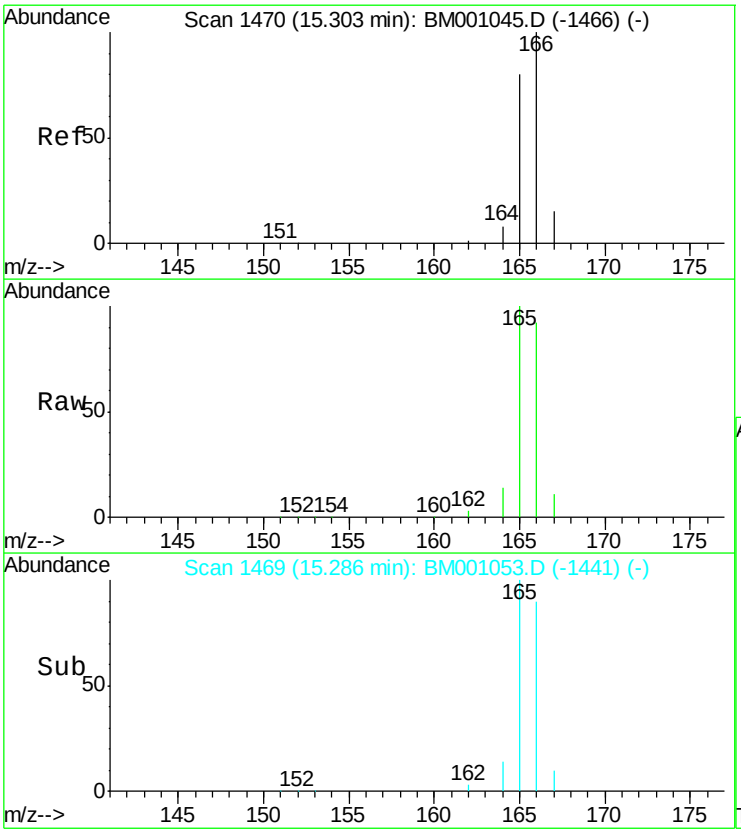
#11
Acenaphthene
Concen: 5.12 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:154 Resp: 71826

Ion	Ratio	Lower	Upper
154	100		
153	108.4	88.1	132.1
152	52.2	42.3	63.5

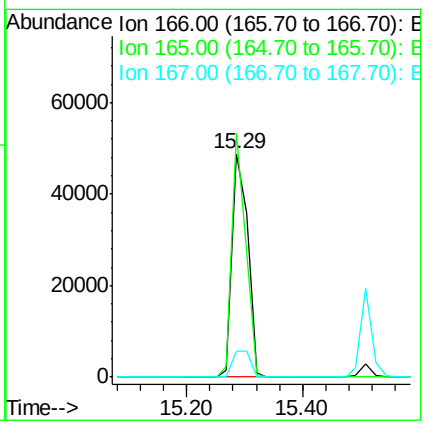


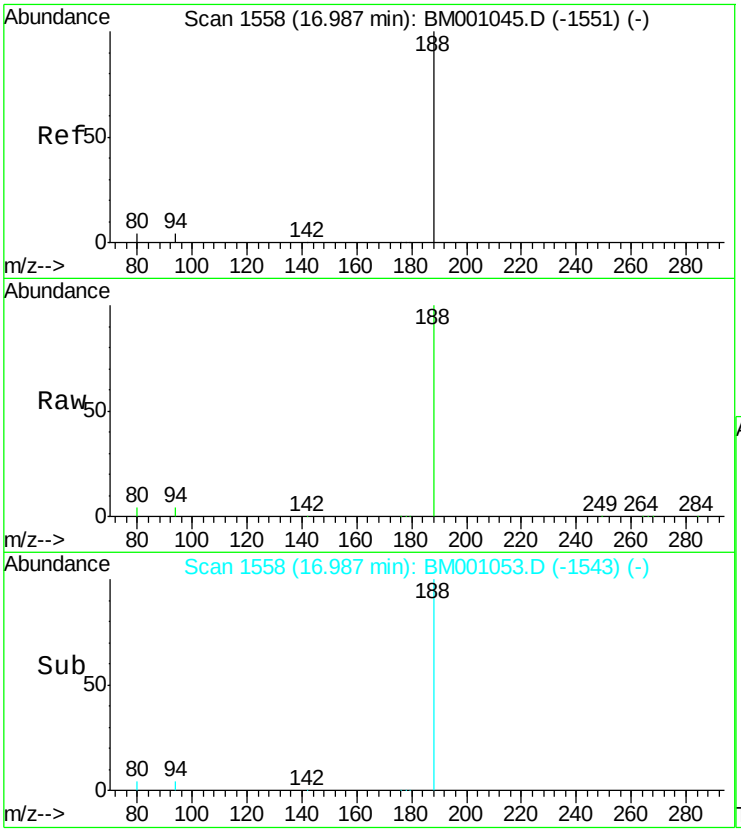


#12
Fluorene
Concen: 5.55 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:166 Resp: 89610

Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.6	116.4
167	13.4	10.6	16.0



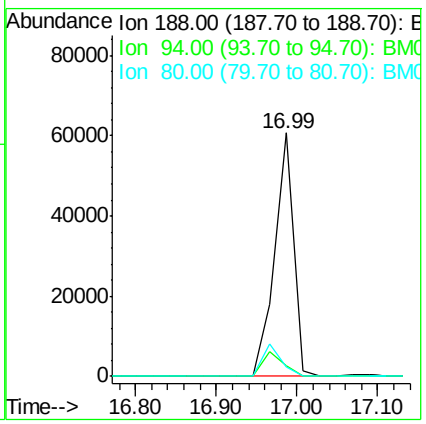


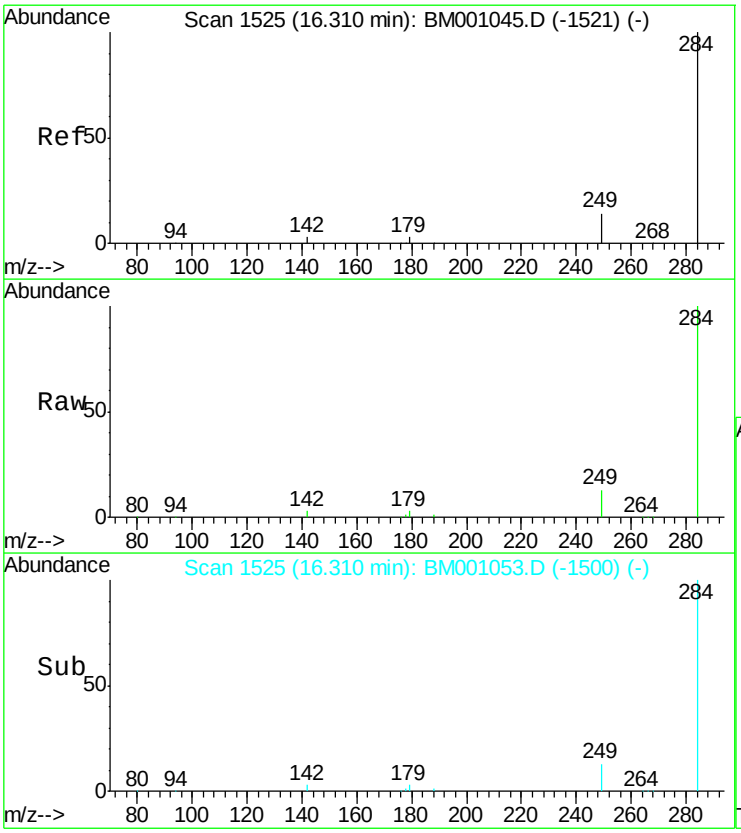
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:188 Resp: 99045

Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.6	5.4
80	3.8	3.0	4.6

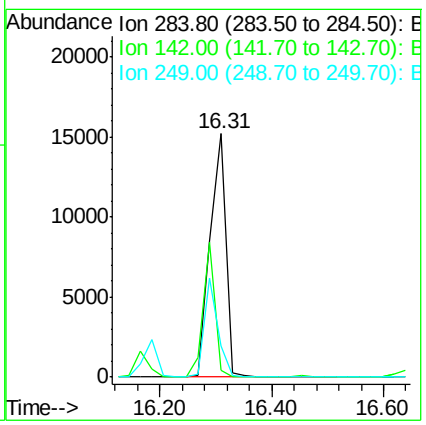


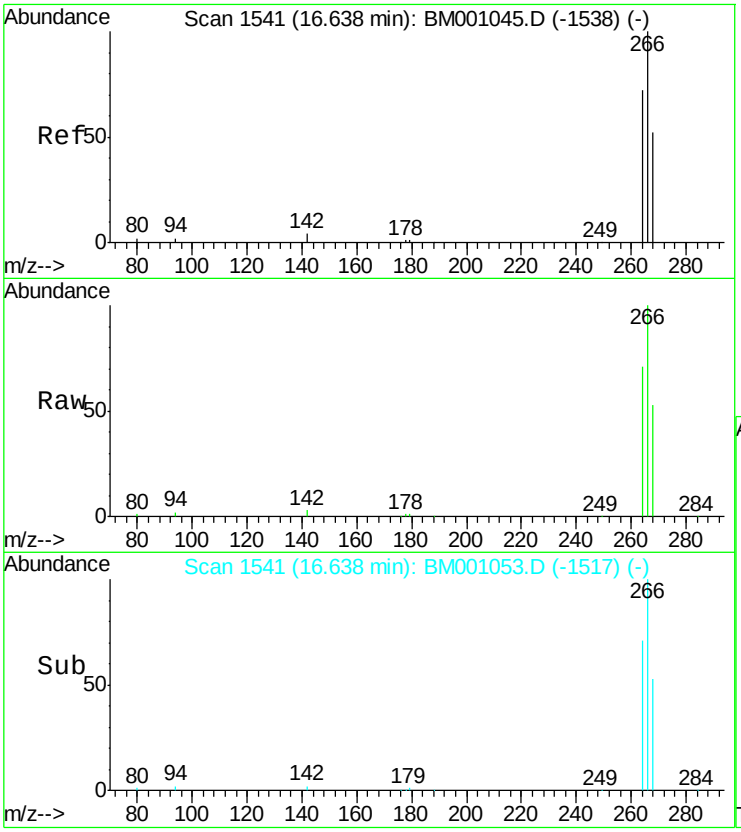


#14
Hexachlorobenzene
Concen: 5.38 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:284 Resp: 29469

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



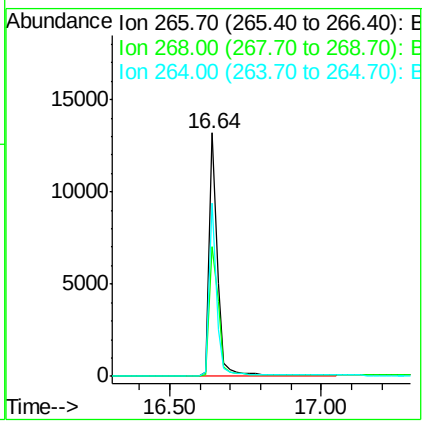


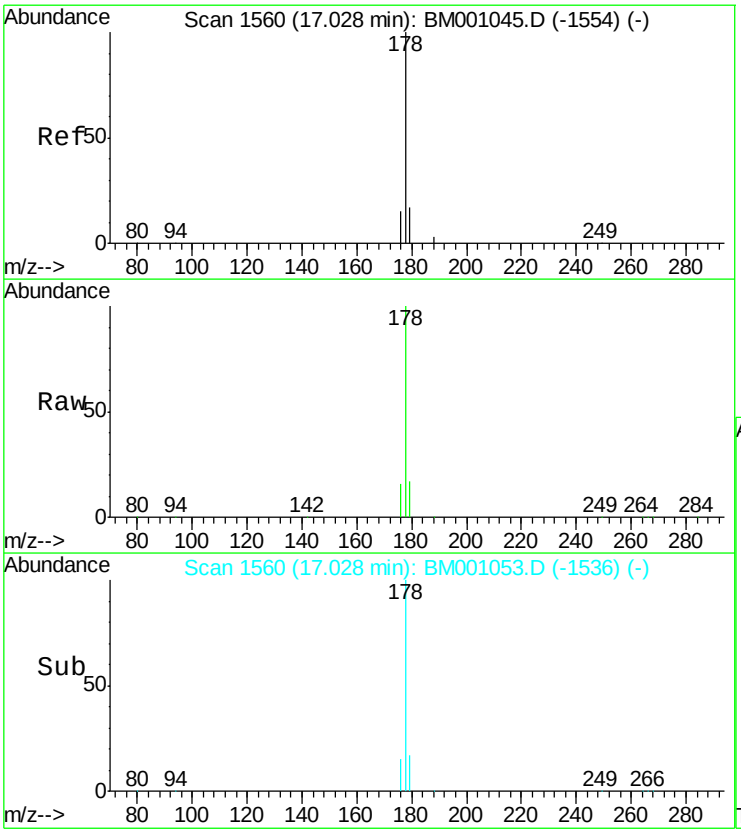
#15
Pentachlorophenol
Concen: 12.61 ng
RT: 16.64 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:266 Resp: 24894

Ion	Ratio	Lower	Upper
266	100		
268	53.1	46.3	69.5
264	71.0	59.8	89.6

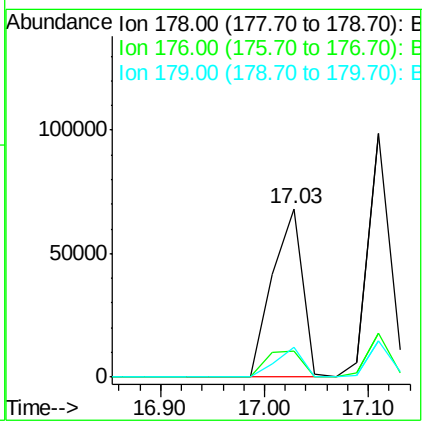


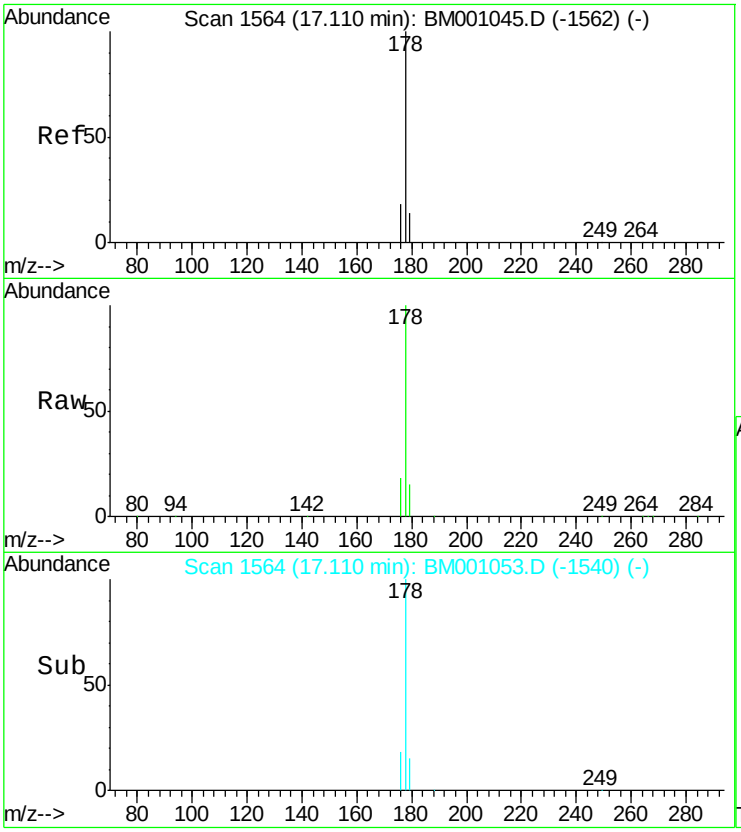


#16
Phenanthrene
Concen: 5.21 ng
RT: 17.03 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:178 Resp: 136983

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.4	12.6	19.0



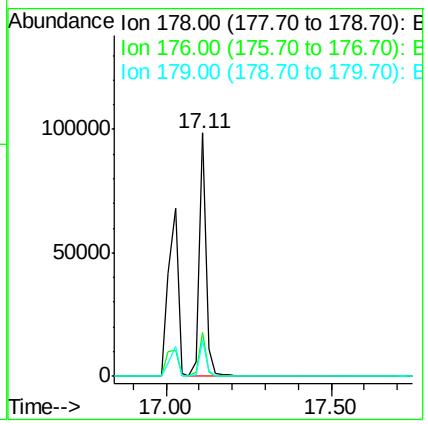


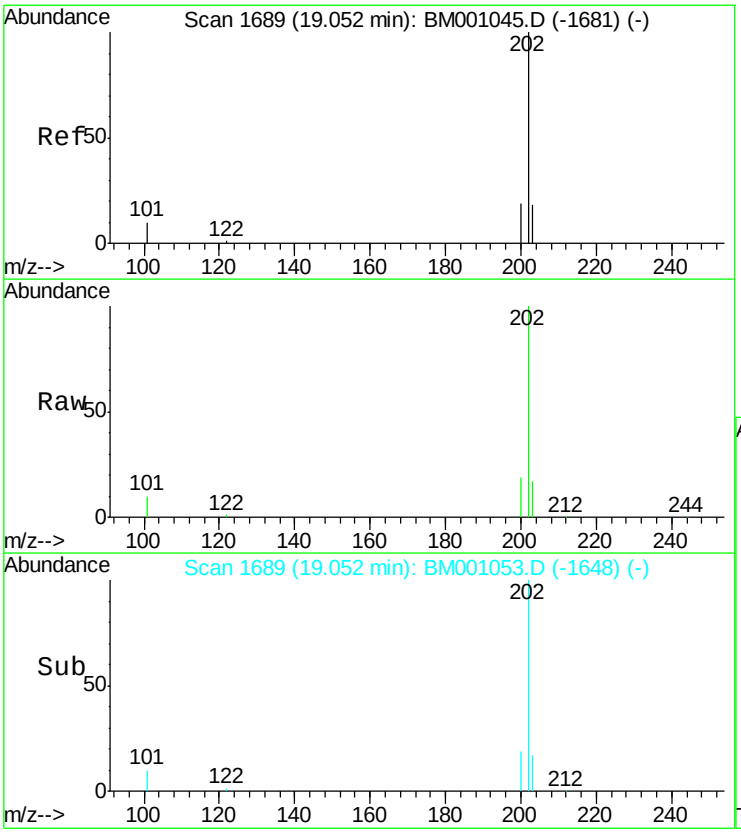
#17
Anthracene
Concen: 6.02 ng
RT: 17.11 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:178 Resp: 145421

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.3	21.5
179	15.3	11.8	17.8

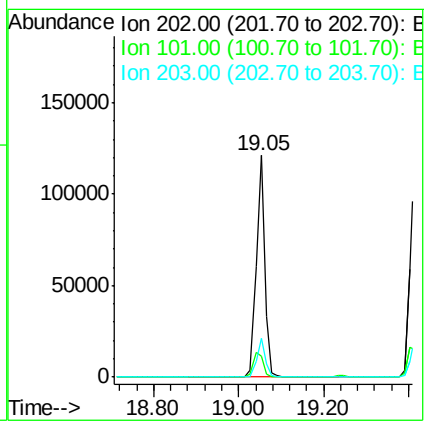


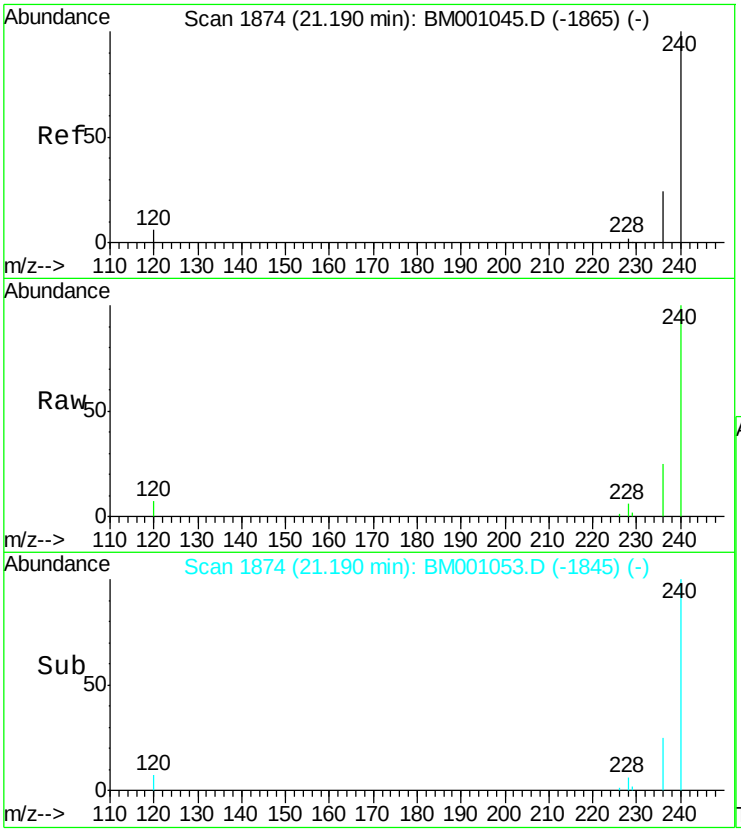


#18
Fluoranthene
Concen: 5.92 ng
RT: 19.05 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:202 Resp: 162428

Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.1	15.1
203	17.2	13.8	20.8



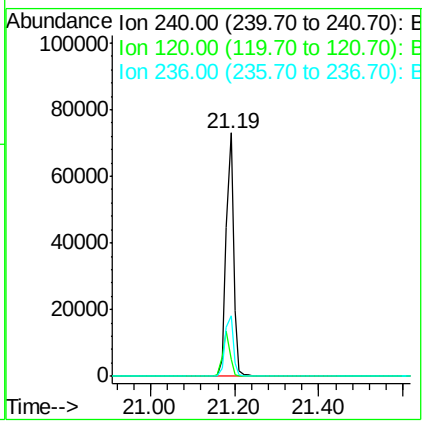


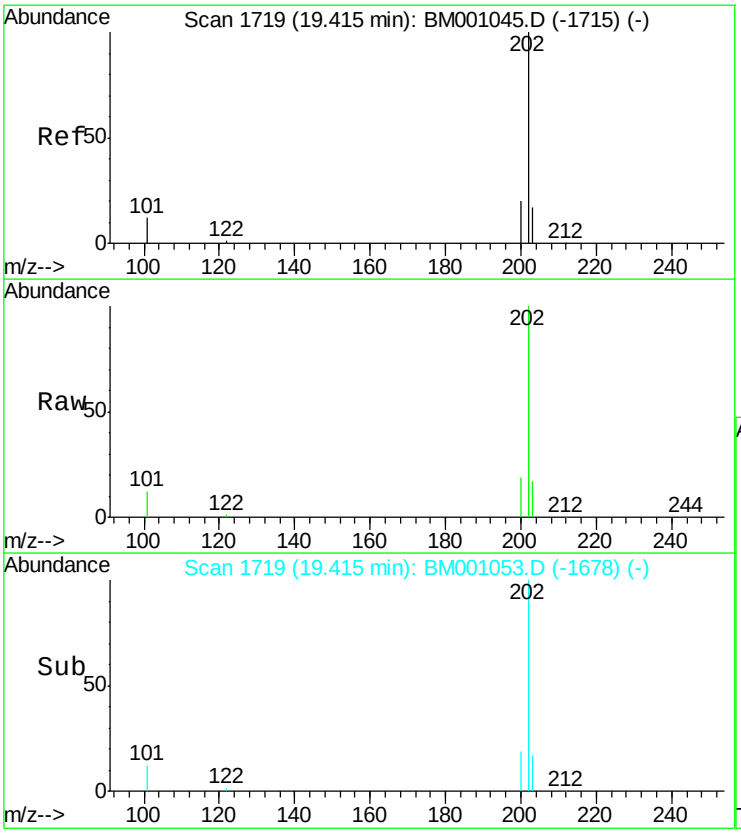
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:240 Resp: 91756

Ion	Ratio	Lower	Upper
240	100		
120	7.0	4.6	6.8#
236	25.0	19.1	28.7

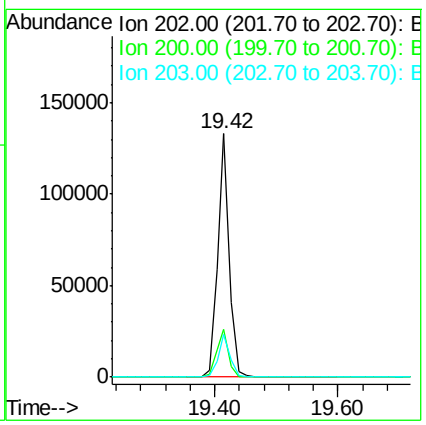


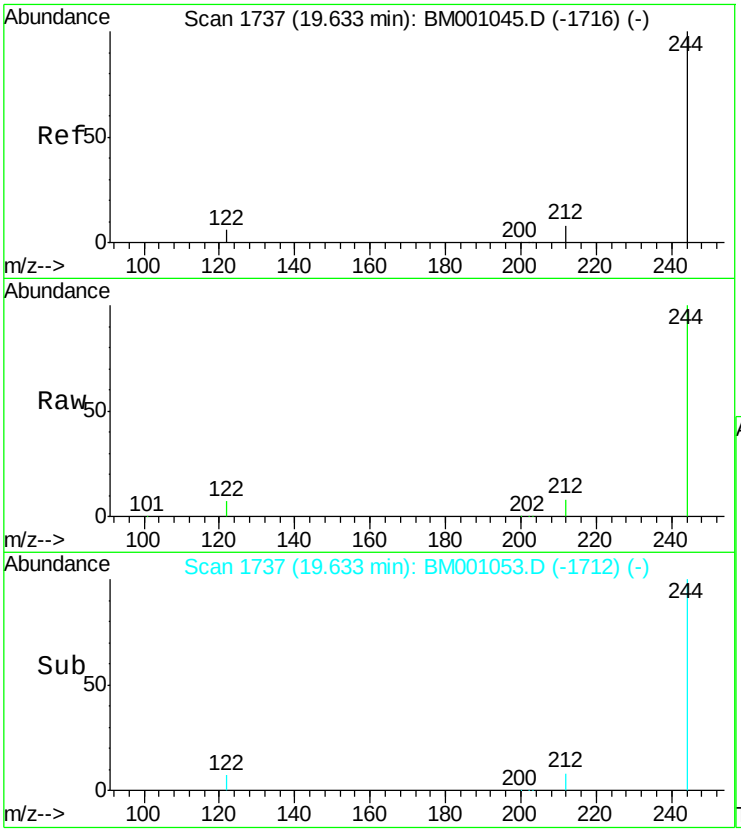


#20
Pyrene
Concen: 5.76 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:202 Resp: 175096

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	17.7	13.8	20.6



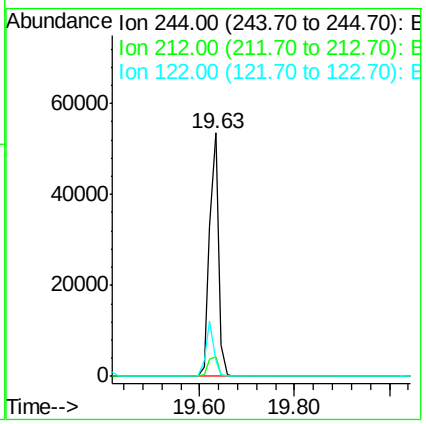


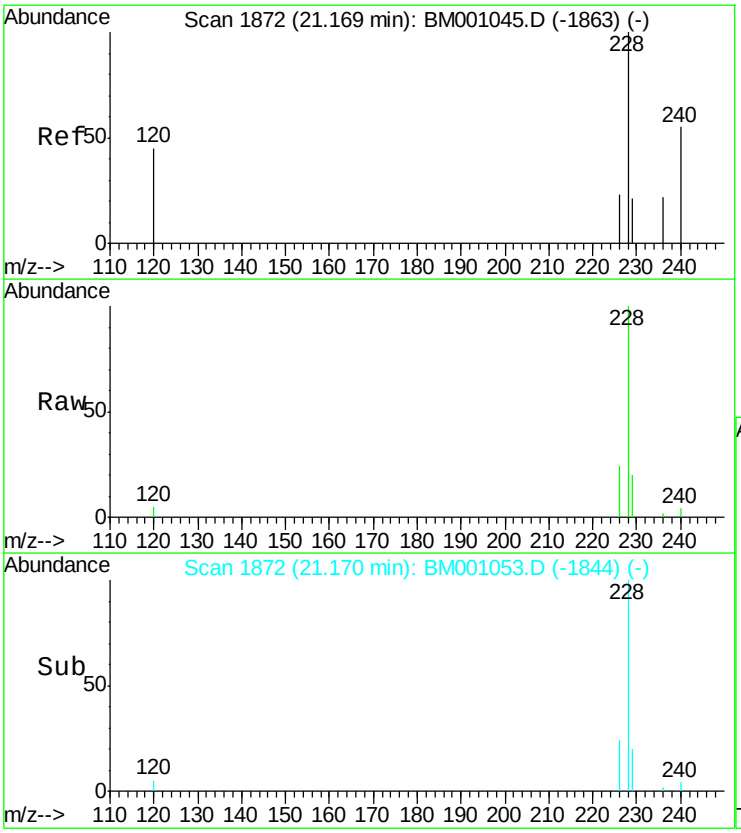
#21
Terphenyl-d14
Concen: 5.79 ng
RT: 19.63 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:244 Resp: 70383

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.1	10.7
122	6.7	5.9	8.9

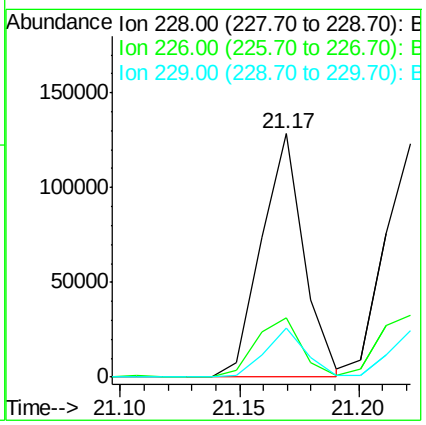


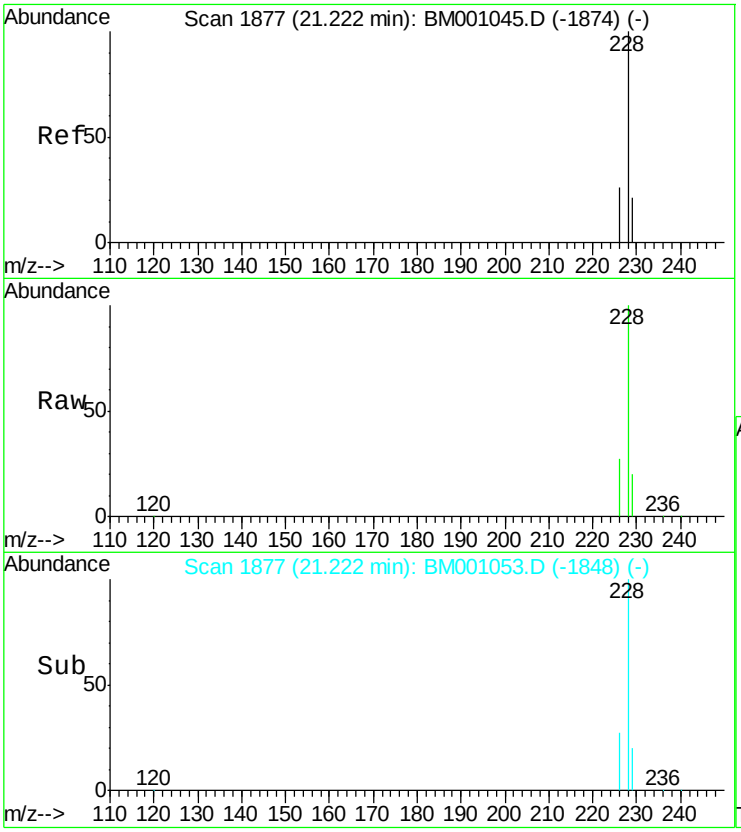


#22
Benzo(a)anthracene
Concen: 6.01 ng
RT: 21.17 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:228 Resp: 159810

Ion	Ratio	Lower	Upper
228	100		
226	24.3	19.0	28.6
229	20.1	16.8	25.2



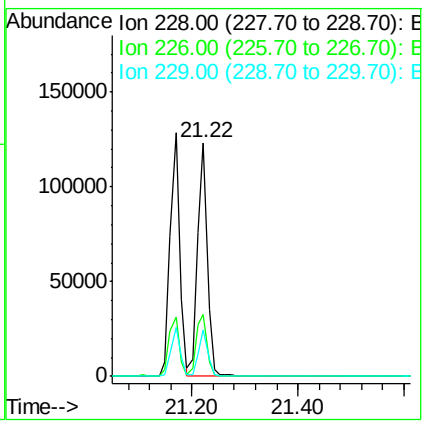


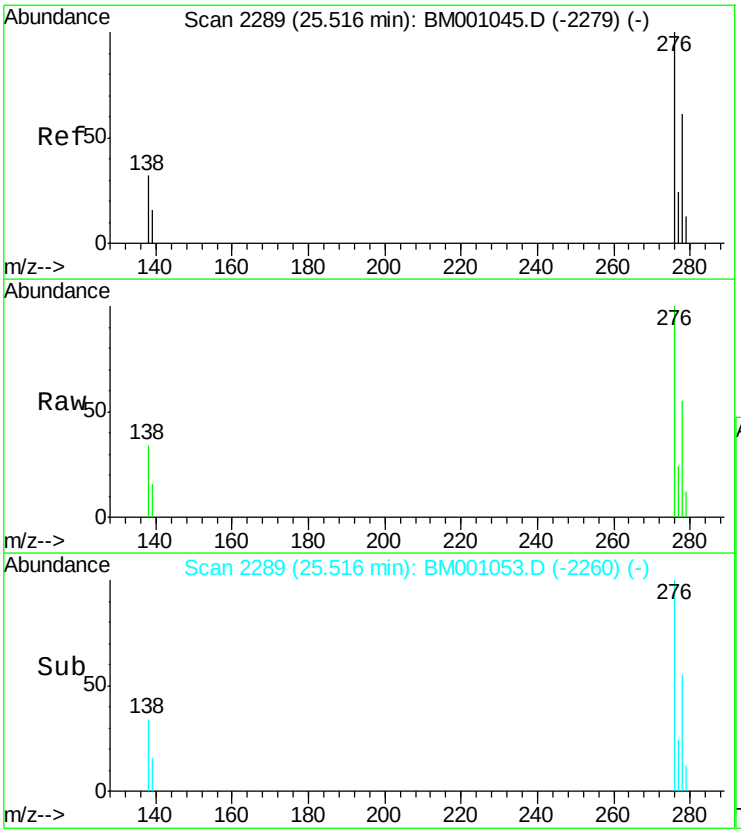
#23
Chrysene
Concen: 5.60 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:228 Resp: 156881

Ion	Ratio	Lower	Upper
228	100		
226	26.8	20.6	31.0
229	20.1	17.2	25.8

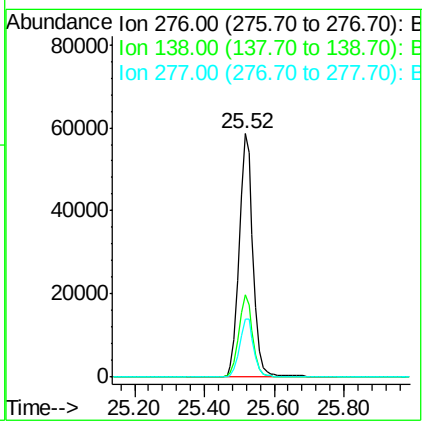


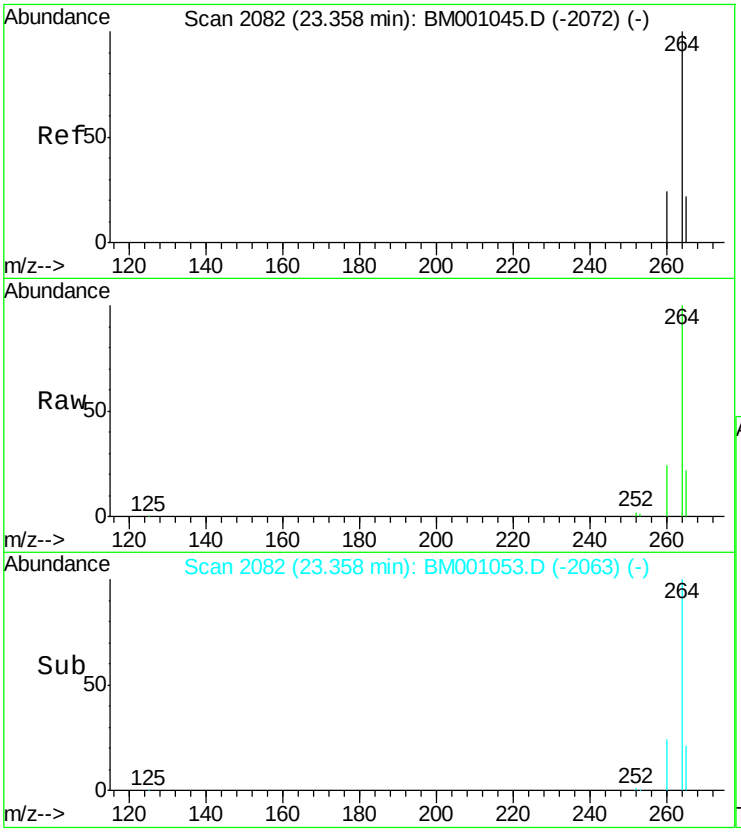


#24
Indeno(1,2,3-cd)pyrene
Concen: 5.63 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:276 Resp: 160958

Ion	Ratio	Lower	Upper
276	100		
138	33.8	26.3	39.5
277	24.6	19.5	29.3



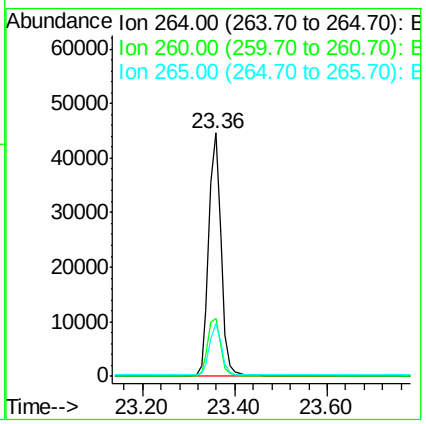


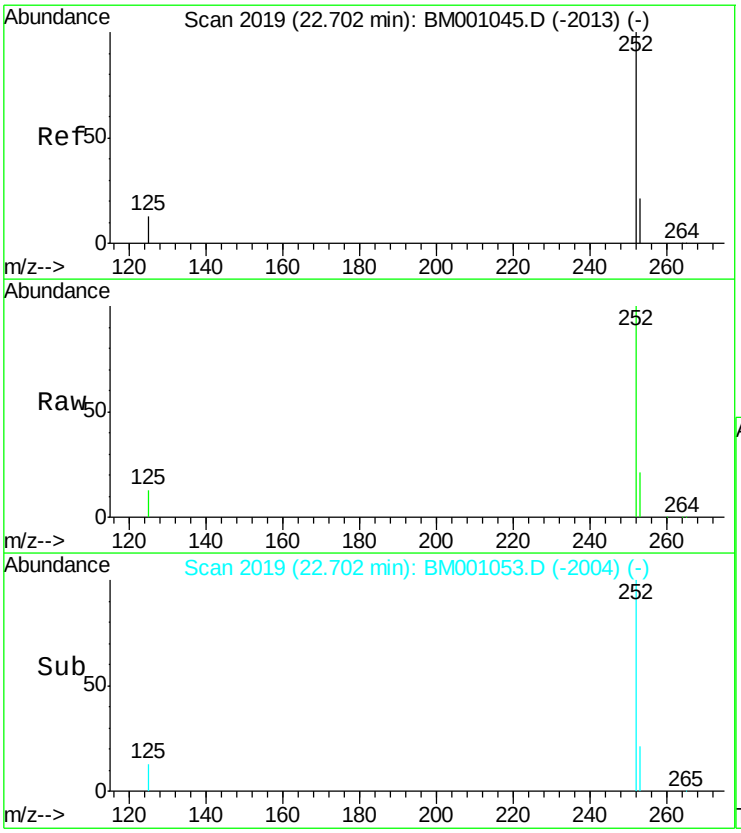
#25
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:264 Resp: 82685

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.8	17.9	26.9

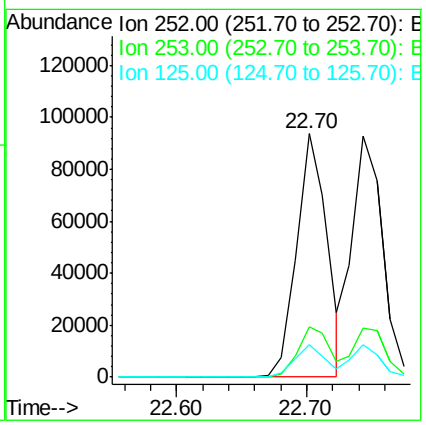


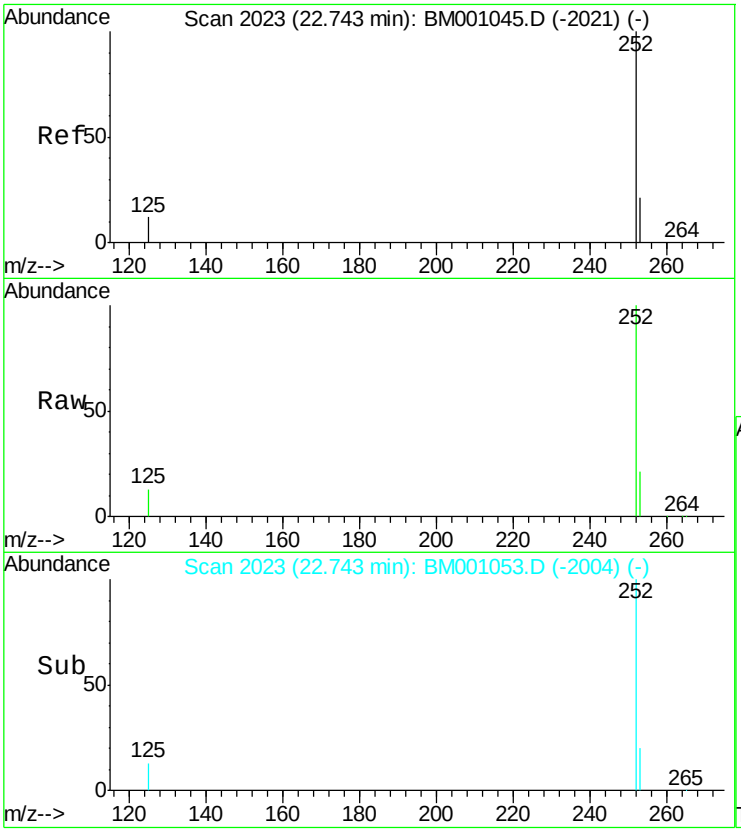


#26
Benzo(b)fluoranthene
Concen: 5.68 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:252 Resp: 151059

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.2	27.2
125	13.5	10.9	16.3



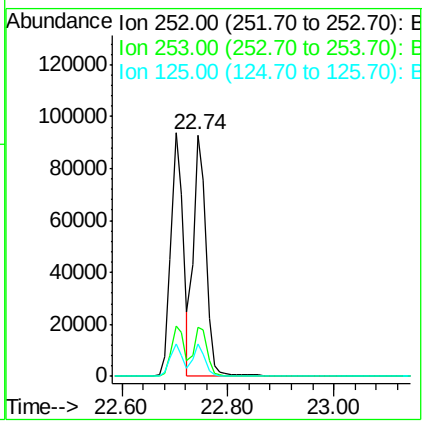


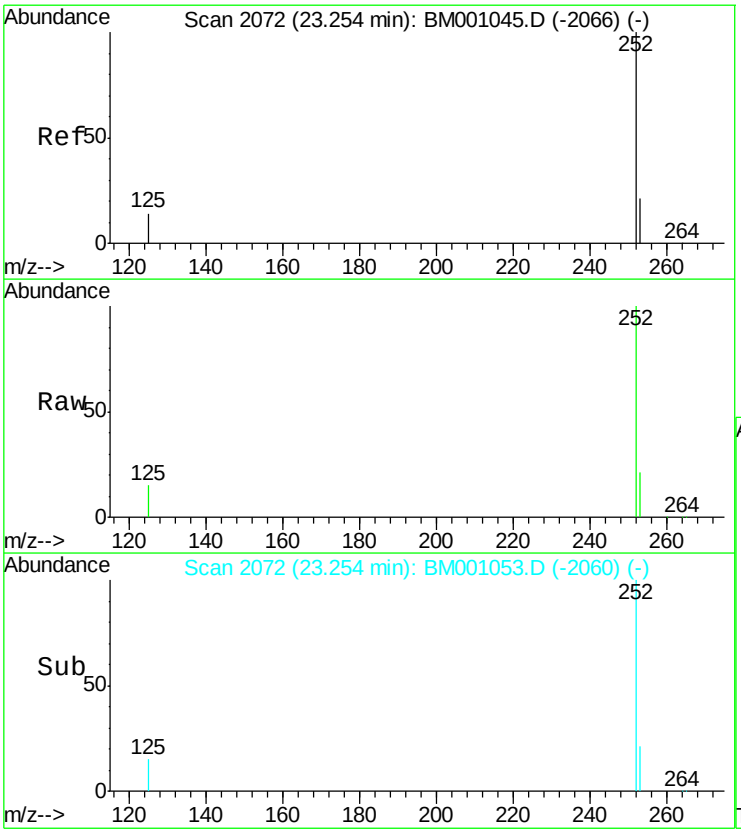
#27
Benzo(k)fluoranthene
Concen: 5.98 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:252 Resp: 152363

Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.3	27.5
125	13.4	10.6	15.8

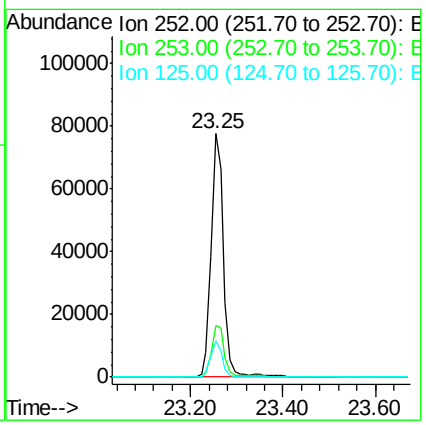


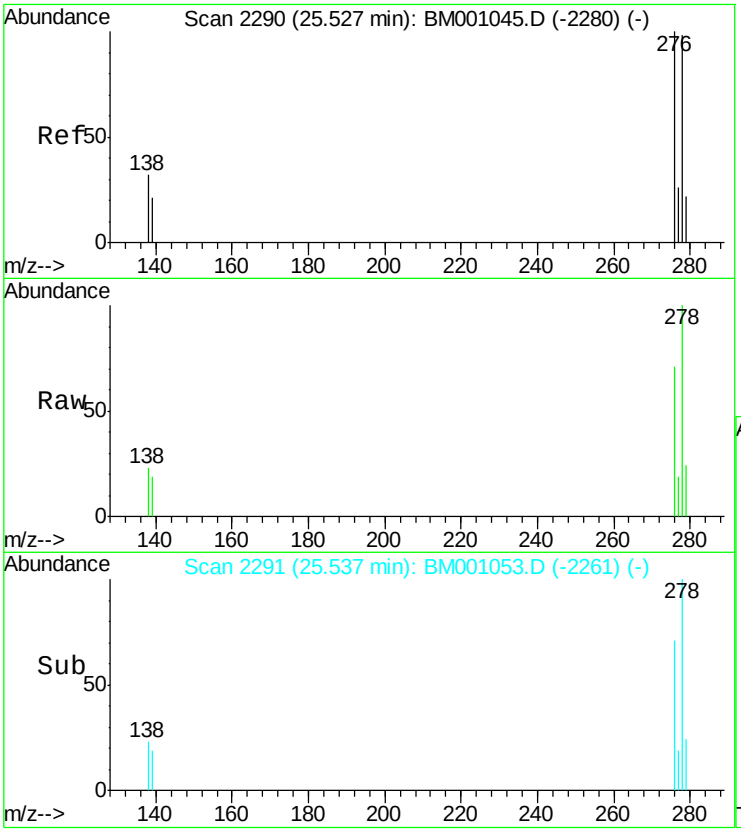


#28
Benzo(a)pyrene
Concen: 6.27 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:252 Resp: 142497

Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.6	27.8
125	14.8	11.9	17.9



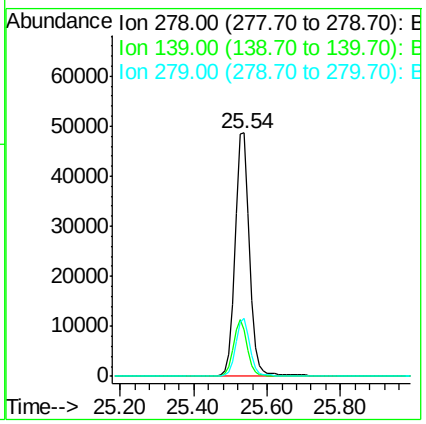


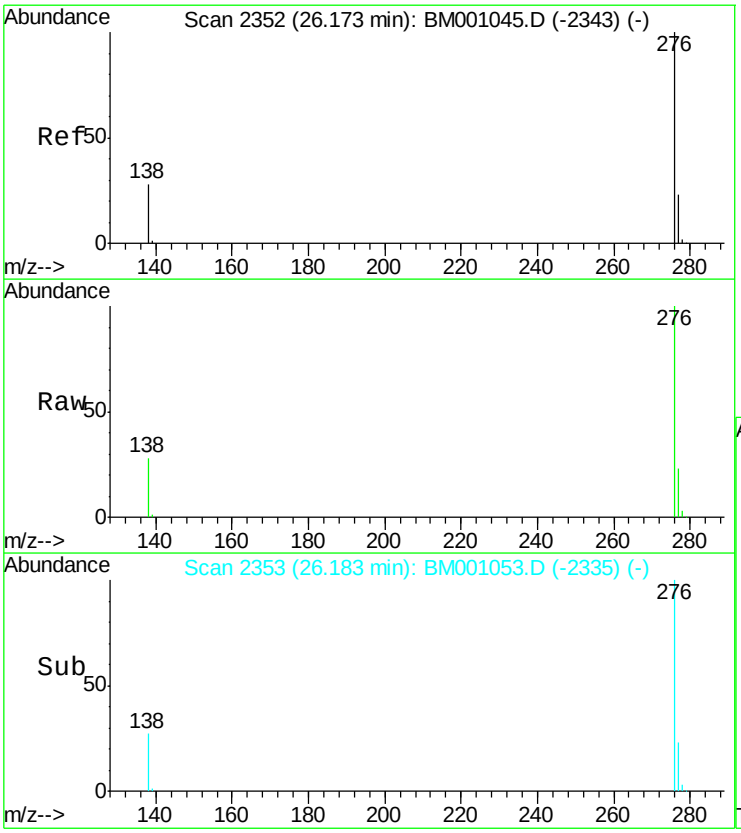
#29
Dibenzo(a,h)anthracene
Concen: 5.87 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Instrument :
BNA_M
ClientSampleId :
PB82802BS

Tgt Ion:278 Resp: 131919

Ion	Ratio	Lower	Upper
278	100		
139	19.2	18.2	27.2
279	23.8	19.1	28.7





#30
Benzo(g,h,i)perylene
Concen: 5.65 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001053.D
Acq: 18 Apr 2015 09:49

Tgt Ion:276 Resp: 137483

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	27.6	23.4	35.2