Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022916\
Data File : BM004500.D
Acq On : 01 Mar 2016 10:29
Operator : SJ/UM
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Mar 01 11:55:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 01 00:52:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	16652	5.00	ng		0.00
7) Naphthalene-d8	10.39	136	66966	5.00	ng		0.00
13) Acenaphthene-d10	14.26	164	35997	5.00	ng		0.00
19) Phenanthrene-d10	17.01	188	74245	5.00	ng		0.00
26) Chrysene-d12	21.25	240	69282	5.00	ng		0.01
35) Perylene-d12	23.46	264	66641	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	3547	0.92	ng		0.02
5) Phenol-d6	6.83	99	4314	0.99	ng		0.02
8) Nitrobenzene-d5	8.79	82	3198	0.94	ng		0.00
14) 2,4,6-Tribromophenol	15.79	330	1231	0.89	ng		0.00
15) 2-Fluorobiphenyl	12.89	172	10942	0.99	ng		0.00
29) Terphenyl-d14	19.67	244	9899	1.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	1636	1.00	ng		96
3) n-Nitrosodimethylamine	3.43	42	1540	0.91	ng		99
6) bis(2-Chloroethyl)ether	7.04	93	4567	0.99	ng		99
9) Nitrobenzene	8.84	77	4267	0.93	ng		99
10) Naphthalene	10.44	128	18555	0.97	ng		98
11) Hexachlorobutadiene	10.72	225	3082	1.00	ng		99
12) 2-Methylnaphthalene	12.08	142	11950	1.03	ng		96
16) Acenaphthylene	13.97	152	19554	0.95	ng	#	87
17) Acenaphthene	14.33	154	13636	1.01	ng		99
18) Fluorene	15.33	166	16946	1.03	ng		98
20) 4-Bromophenyl-phenylether	16.22	248	4300	1.18	ng	#	93
21) Hexachlorobenzene	16.35	284	5114	1.19	ng	#	100
22) Pentachlorophenol	16.73	266	919	1.15	ng		95
23) Phenanthrene	17.06	178	27611	1.13	ng		99
24) Anthracene	17.16	178	21622	0.98	ng		97
25) Fluoranthene	19.11	202	29163	1.04	ng		100
27) Benzidine	19.31	184	11136	1.32	ng		94
28) Pyrene	19.47	202	30615	1.12	ng		99
30) Benzo(a)anthracene	21.23	228	24540	0.96	ng	#	90
31) 3,3'-Dichlorobenzidine	21.16	252	23357	1.51	ng		87
32) Chrysene	21.23	228	24525	0.70	ng		95
33) Bis(2-ethylhexyl)phthalate	21.12	149	16485	0.83	ng	#	48
34) Indeno(1,2,3-cd)pyrene	25.69	276	25775	1.09	ng		100
36) Benzo(b)fluoranthene	22.80	252	27083	1.04	ng		100
37) Benzo(k)fluoranthene	22.84	252	25319	0.99	ng		100
38) Benzo(a)pyrene	23.36	252	23742	1.01	ng		99
39) Dibenzo(a,h)anthracene	25.70	278	20115	0.98	ng		99
40) Benzo(g,h,i)perylene	26.38	276	22146	0.99	ng		97

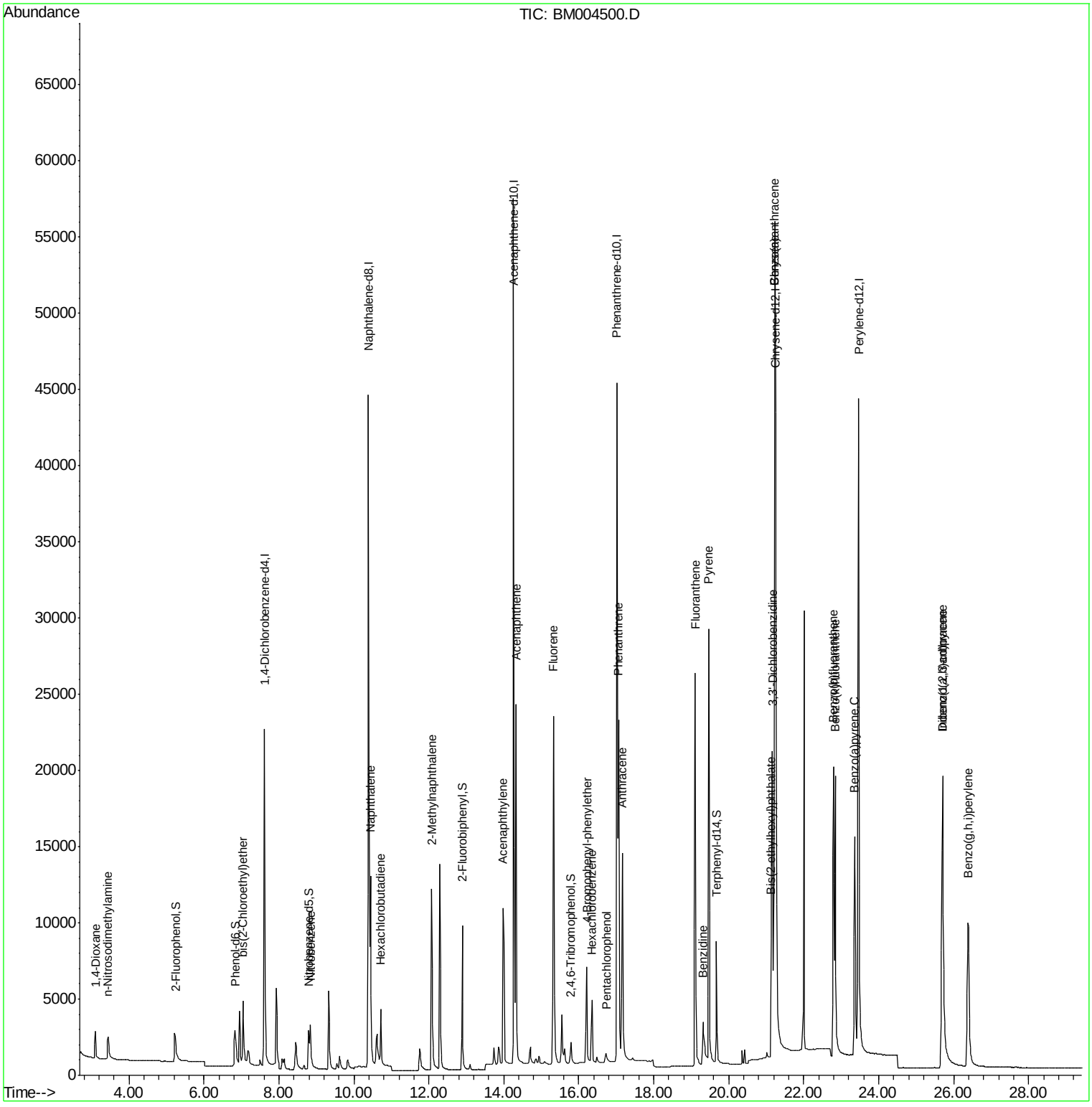
(#) = qualifier out of range (m) = manual integration (+) = signals summed

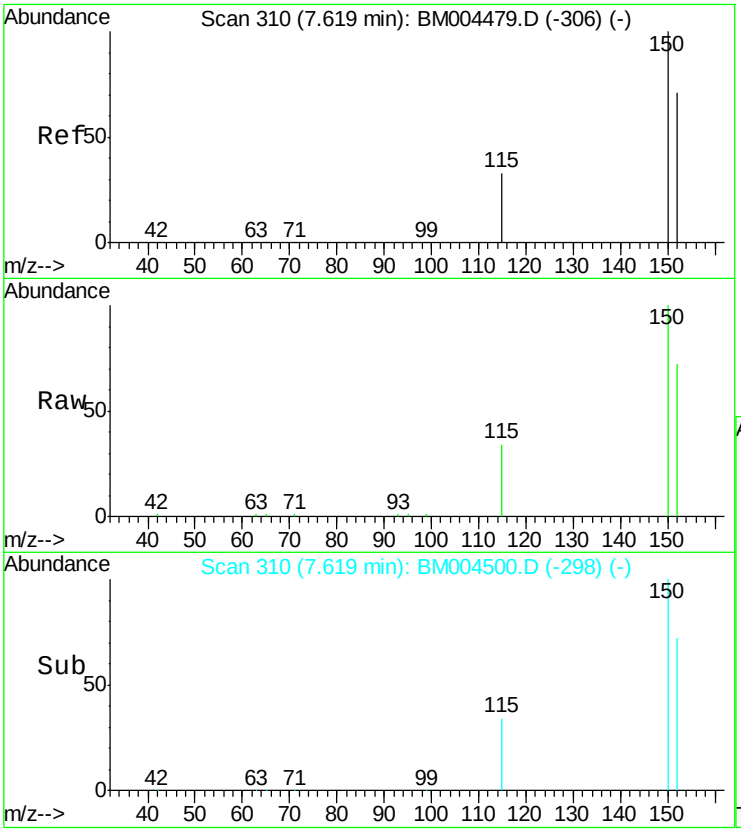
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022916\
Data File : BM004500.D
Acq On : 01 Mar 2016 10:29
Operator : SJ/UM
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Mar 01 11:55:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 01 00:52:28 2016
Response via : Initial Calibration



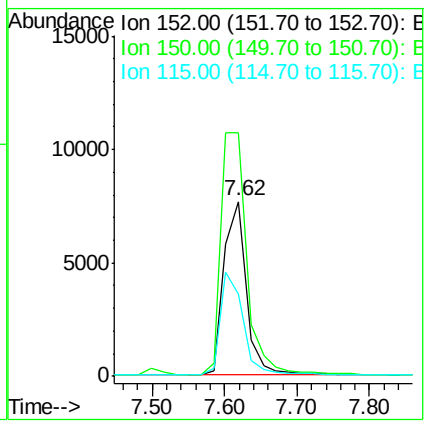


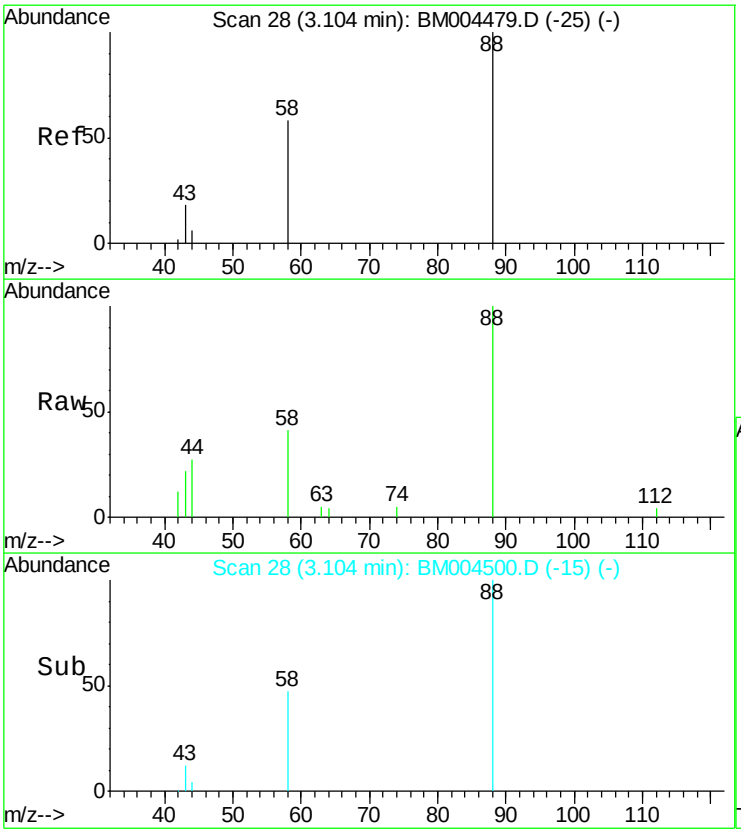
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 310
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 16652

Ion	Ratio	Lower	Upper
152	100		
150	139.5	111.9	167.9
115	47.4	37.7	56.5

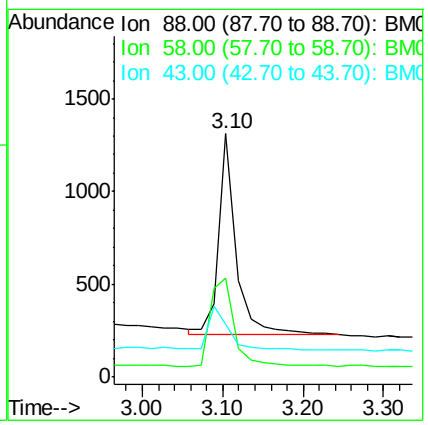


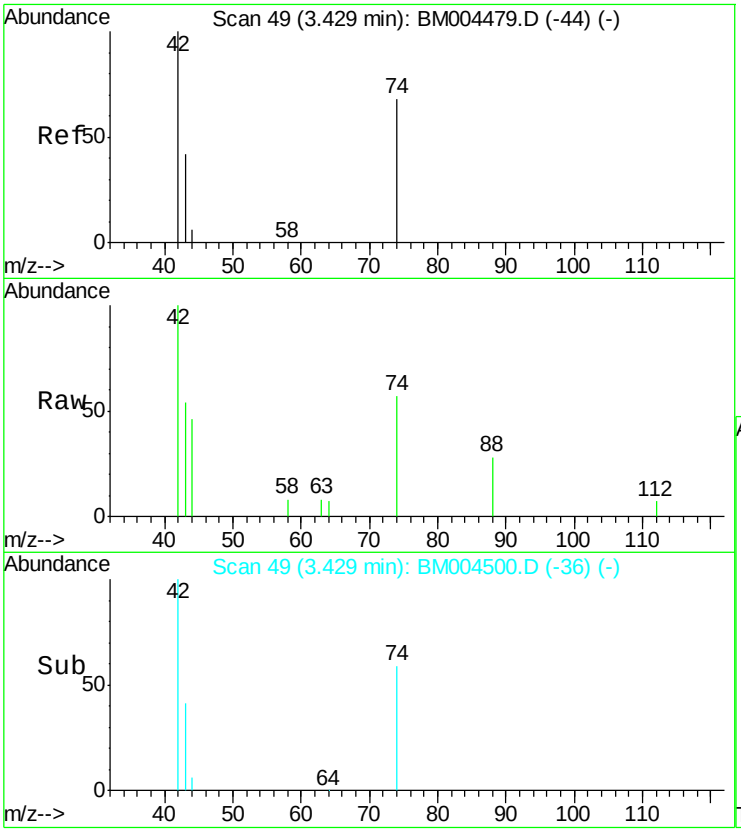


#2
1,4-Dioxane
Concen: 1.00 ng
RT: 3.10 min Scan# 28
Delta R.T. 0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion: 88 Resp: 1636

Ion	Ratio	Lower	Upper
88	100		
58	59.8	45.4	68.0
43	25.2	19.3	28.9



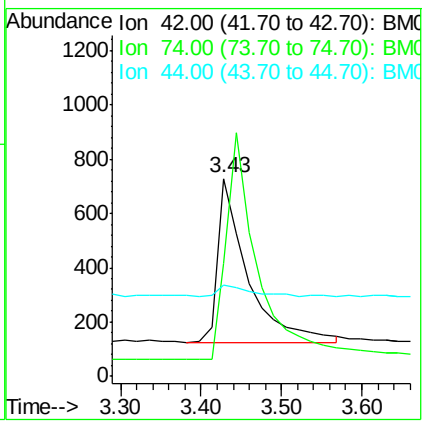


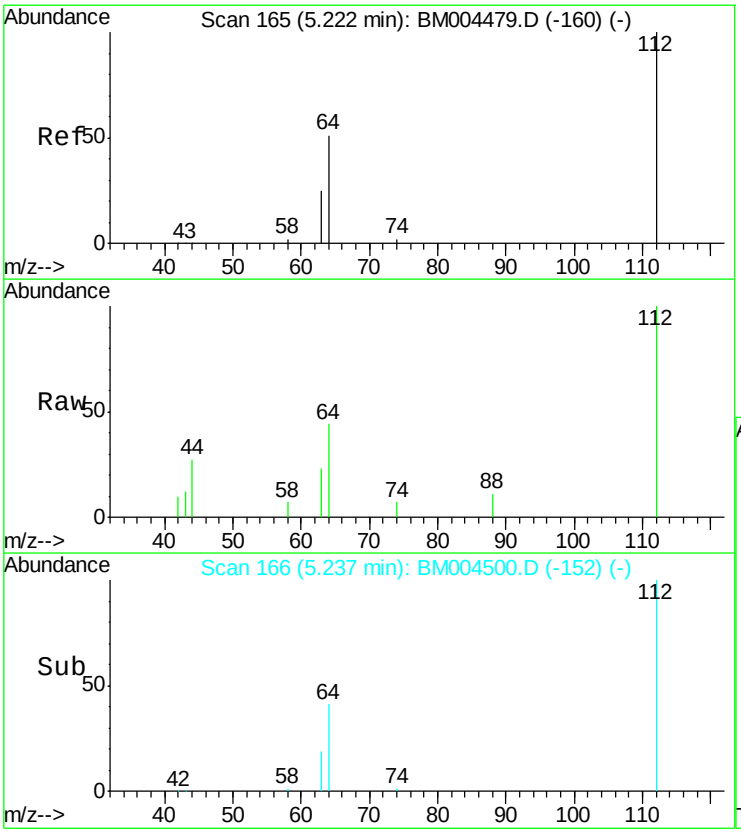
#3
n-Nitrosodimethylamine
Concen: 0.91 ng
RT: 3.43 min Scan# 49
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 42 Resp: 1540

Ion	Ratio	Lower	Upper
42	100		
74	145.9	117.8	176.8
44	7.0	6.1	9.1

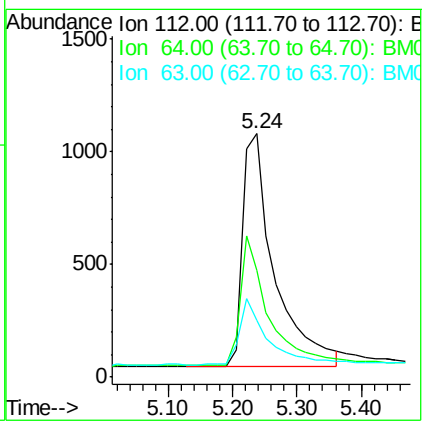


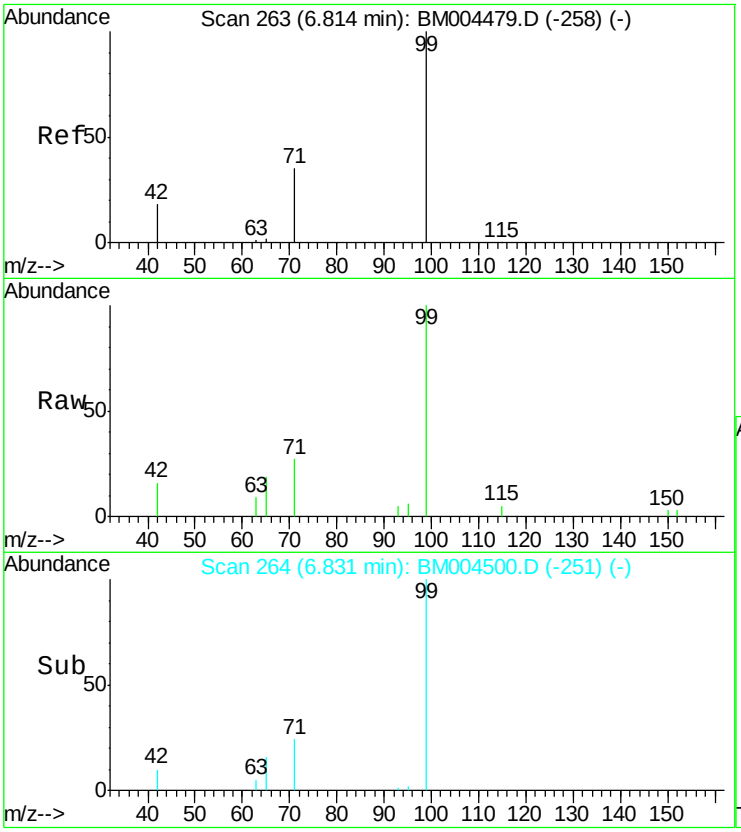


#4
2-Fluorophenol
Concen: 0.92 ng
RT: 5.24 min Scan# 166
Delta R.T. 0.02 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:112 Resp: 3547

Ion	Ratio	Lower	Upper
112	100		
64	48.7	39.6	59.4
63	24.8	20.0	30.0



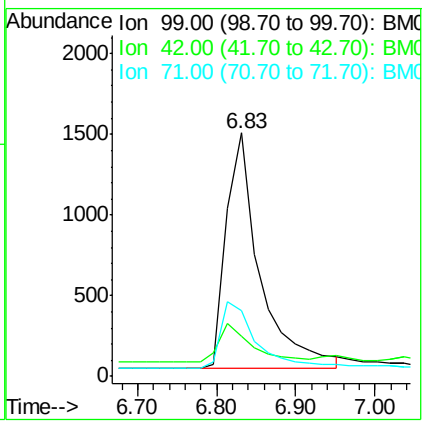


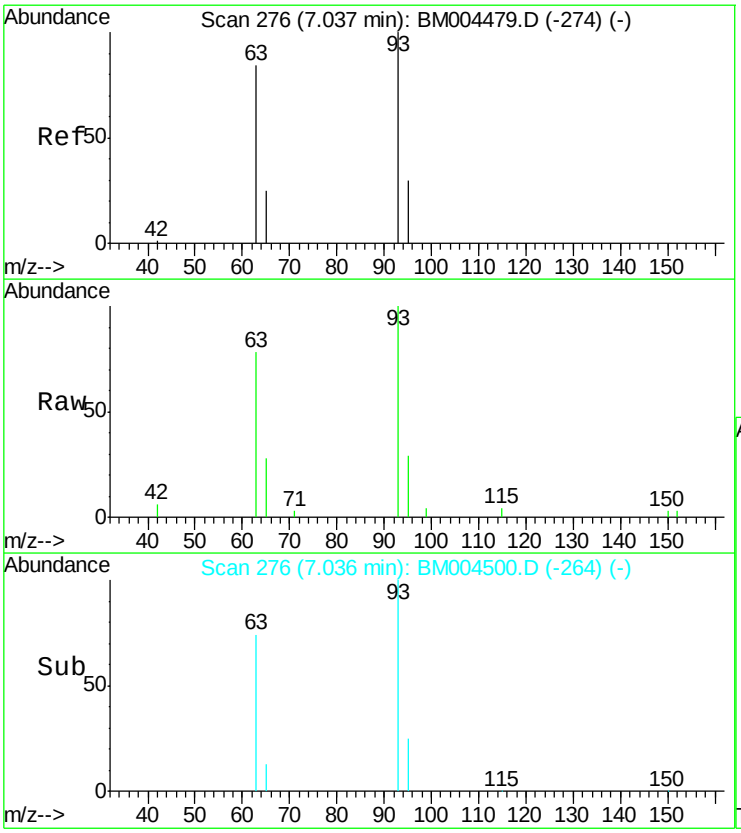
#5
Phenol-d6
Concen: 0.99 ng
RT: 6.83 min Scan# 264
Delta R.T. 0.02 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 99 Resp: 4314

Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.2	18.2
71	29.3	23.4	35.2

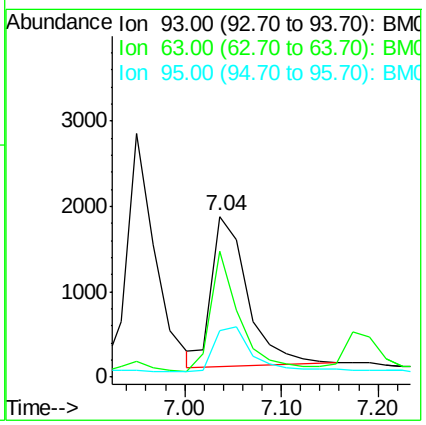


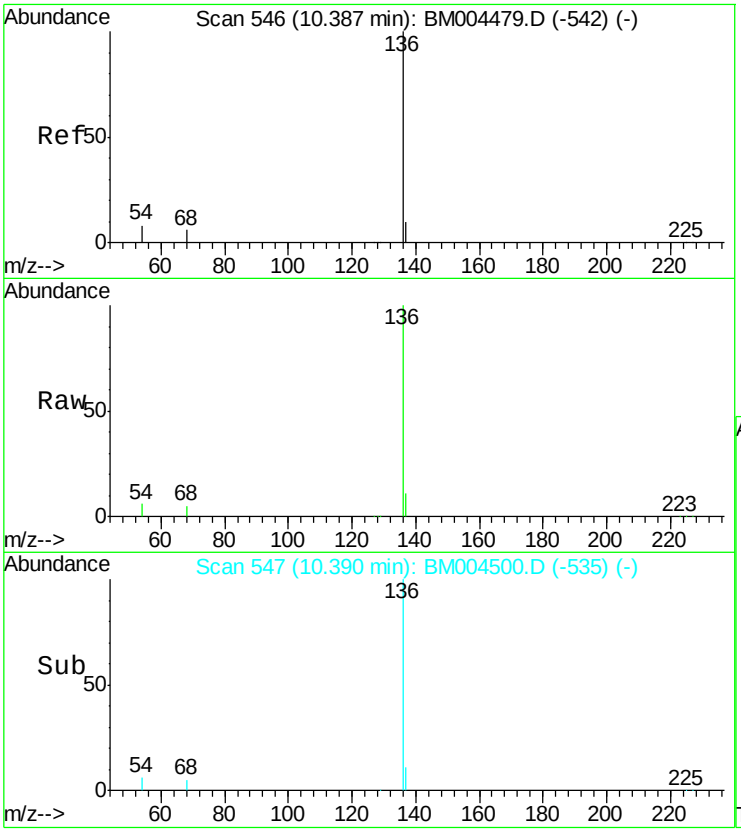


#6
bis(2-Chloroethyl)ether
Concen: 0.99 ng
RT: 7.04 min Scan# 276
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion: 93 Resp: 4567

Ion	Ratio	Lower	Upper
93	100		
63	65.3	51.7	77.5
95	32.5	25.4	38.2



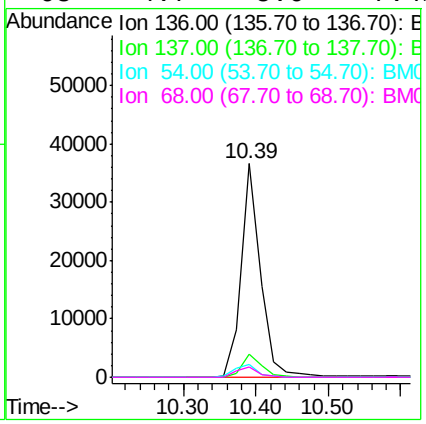


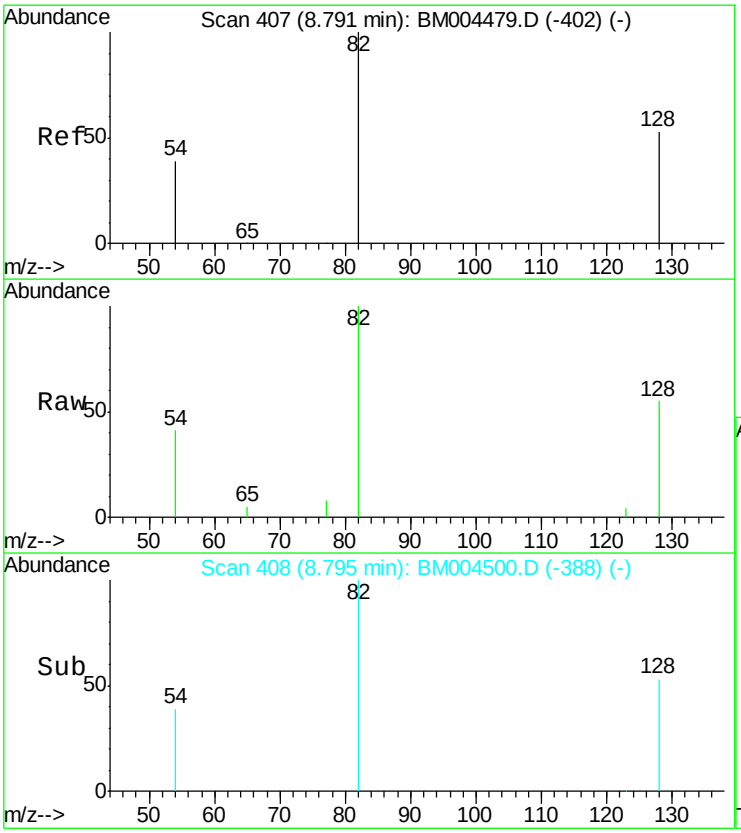
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 547
Delta R.T. 0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 66966

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.2
54	5.8	6.4	9.6#
68	4.7	5.0	7.4#

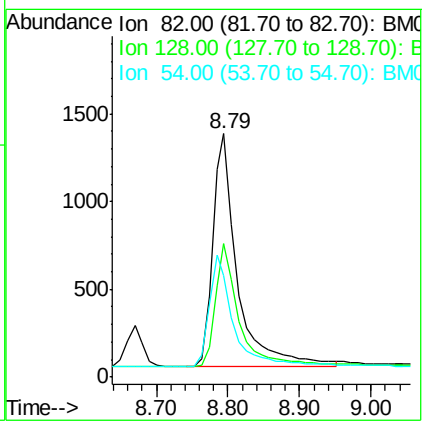


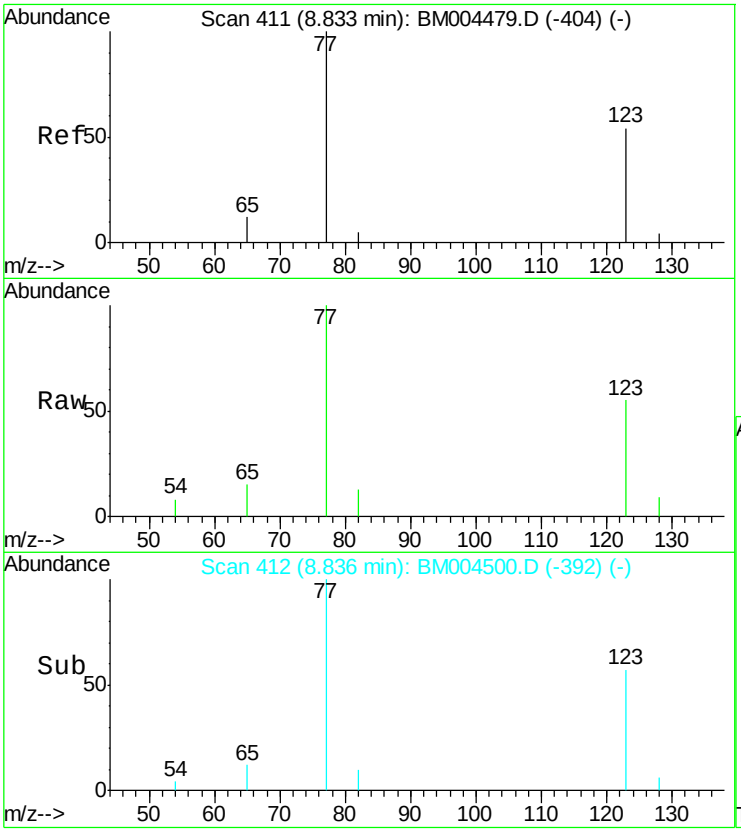


#8
Nitrobenzene-d5
Concen: 0.94 ng
RT: 8.79 min Scan# 408
Delta R.T. 0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion: 82 Resp: 3198

Ion	Ratio	Lower	Upper
82	100		
128	54.8	43.7	65.5
54	41.4	33.5	50.3



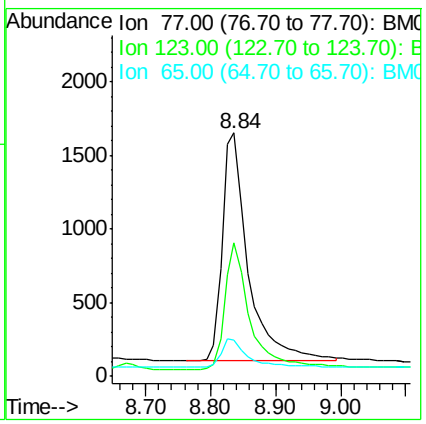


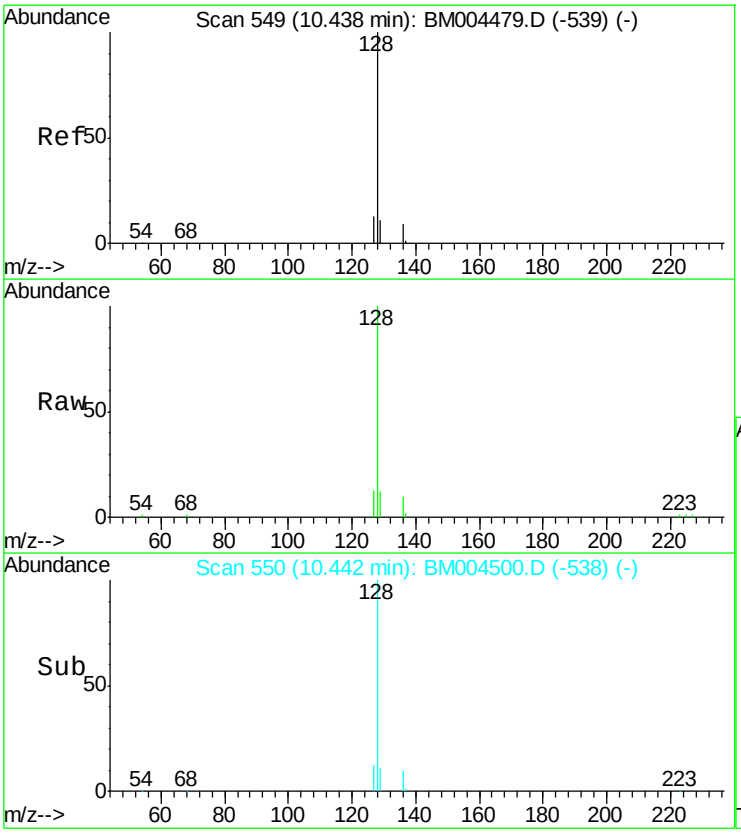
#9
Nitrobenzene
Concen: 0.93 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 4267

Ion	Ratio	Lower	Upper
77	100		
123	53.7	42.2	63.2
65	12.4	10.0	15.0

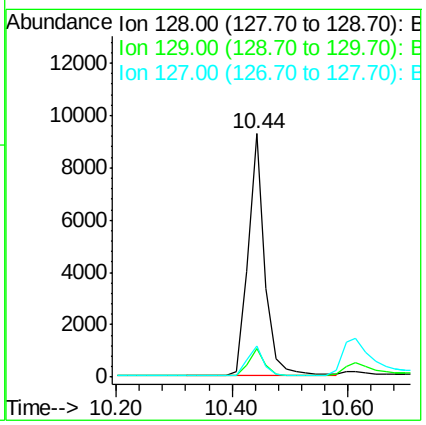


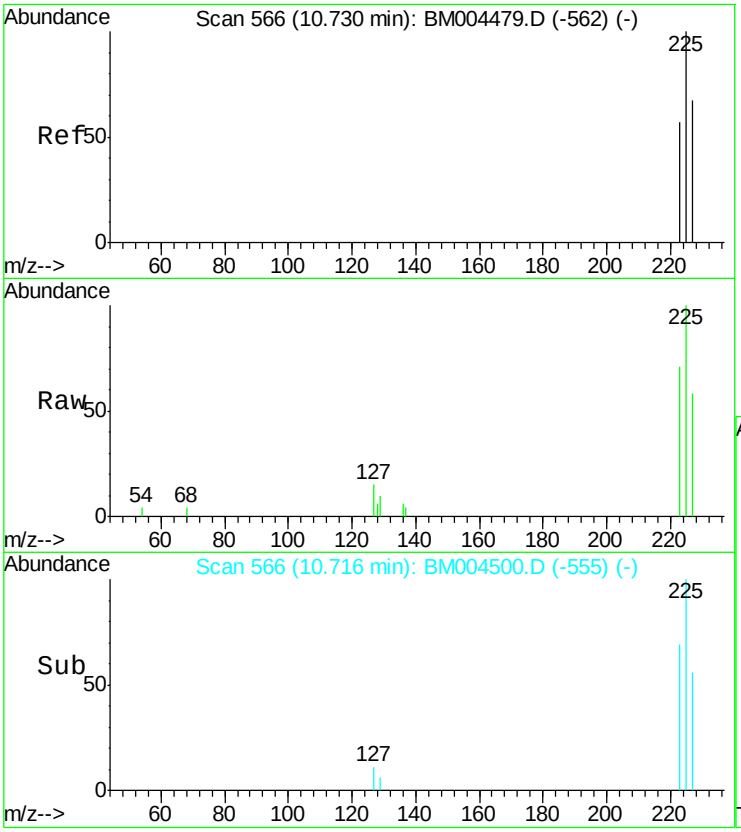


#10
Naphthalene
Concen: 0.97 ng
RT: 10.44 min Scan# 550
Delta R.T. 0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:128 Resp: 18555

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.9	13.3
127	12.9	10.9	16.3



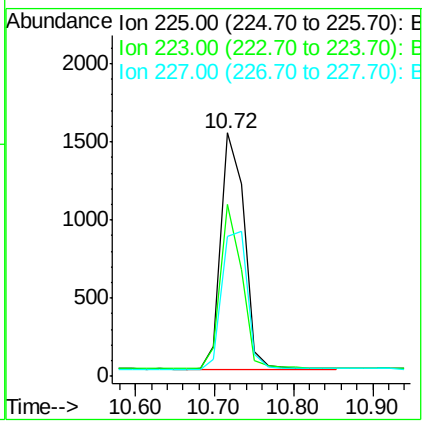


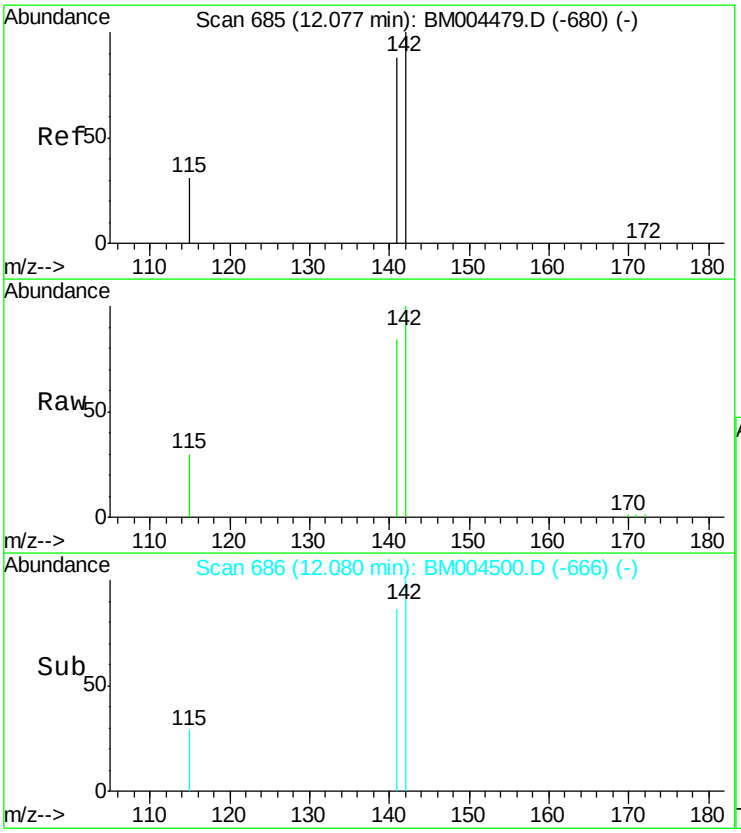
#11
Hexachlorobutadiene
Concen: 1.00 ng
RT: 10.72 min Scan# 566
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:225 Resp: 3082

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	64.0	50.6	75.8

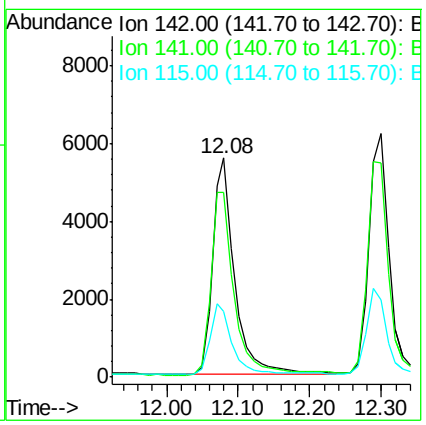


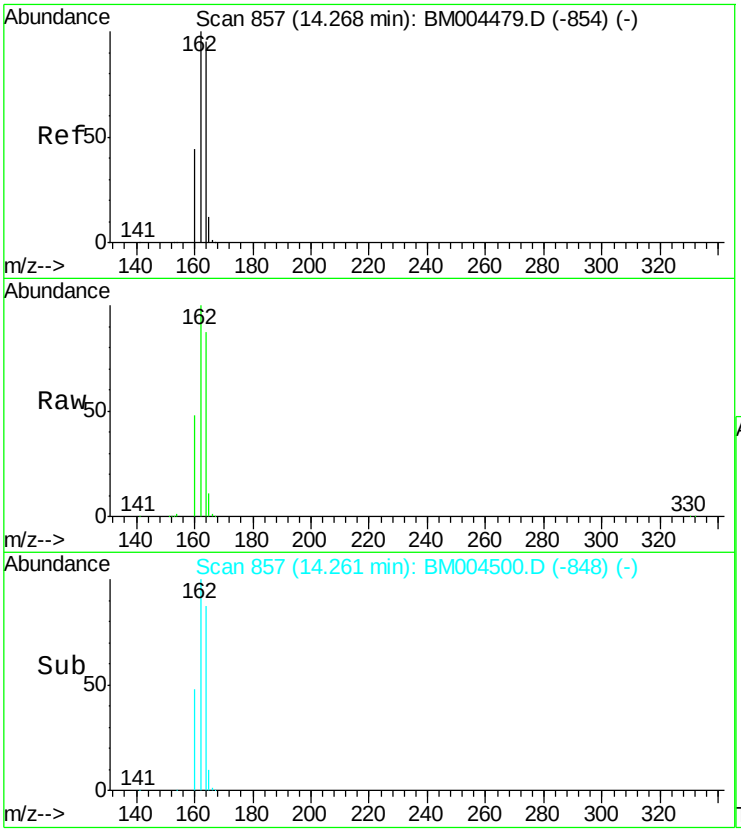


#12
2-Methylnaphthalene
Concen: 1.03 ng
RT: 12.08 min Scan# 686
Delta R.T. 0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:142 Resp: 11950

Ion	Ratio	Lower	Upper
142	100		
141	84.5	70.2	105.2
115	30.0	25.8	38.6



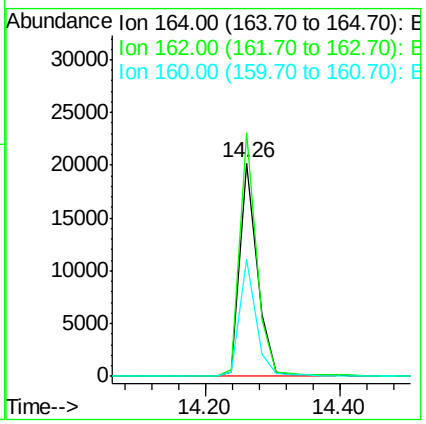


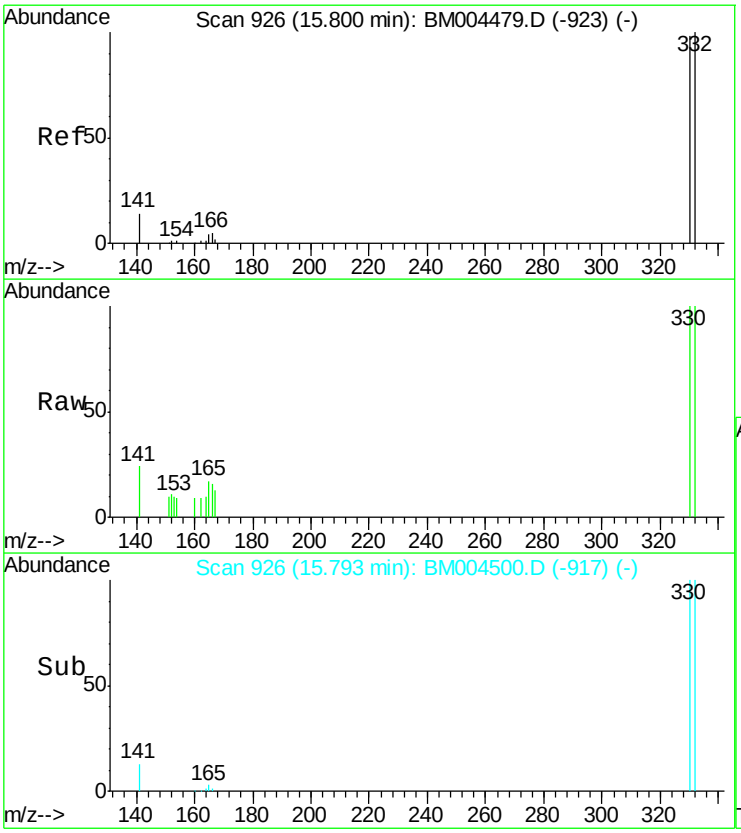
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:164 Resp: 35997

Ion	Ratio	Lower	Upper
164	100		
162	114.3	84.2	126.4
160	54.9	37.4	56.2

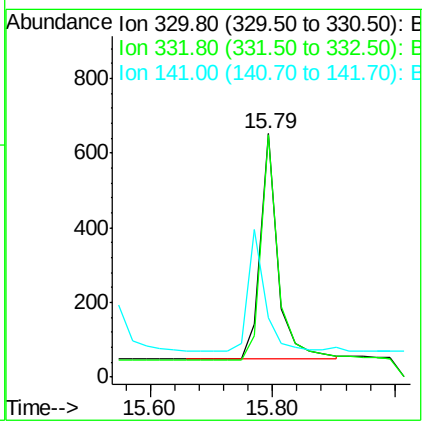


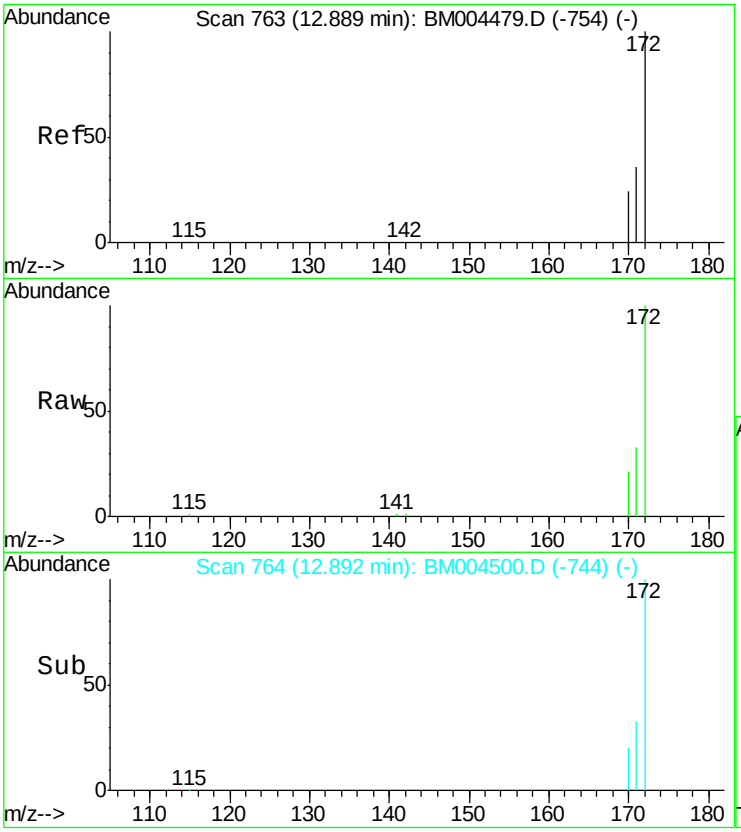


#14
2,4,6-Tribromophenol
Concen: 0.89 ng
RT: 15.79 min Scan# 926
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:330 Resp: 1231

Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.1	114.1
141	0.0	0.0	0.0



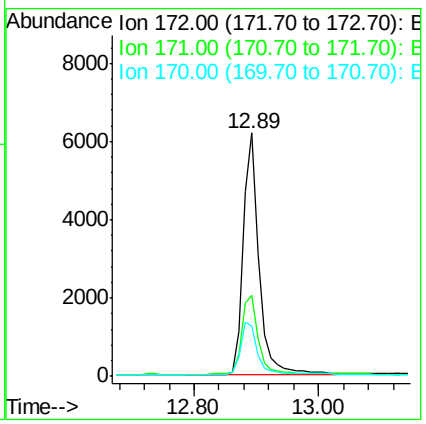


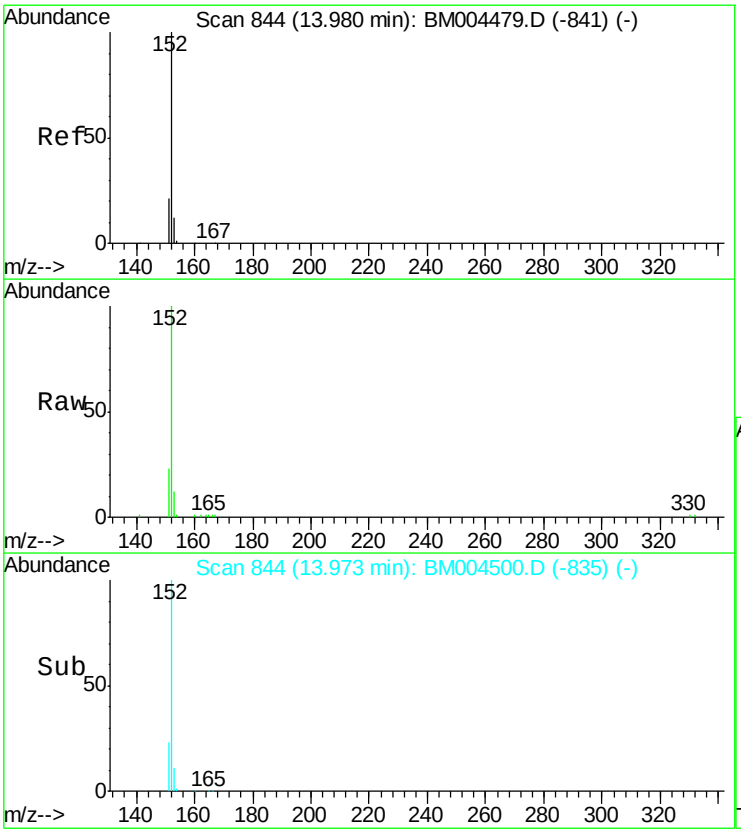
#15
2-Fluorobiphenyl
Concen: 0.99 ng
RT: 12.89 min Scan# 764
Delta R.T. 0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:172 Resp: 10942

Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.2	43.8
170	20.7	19.7	29.5

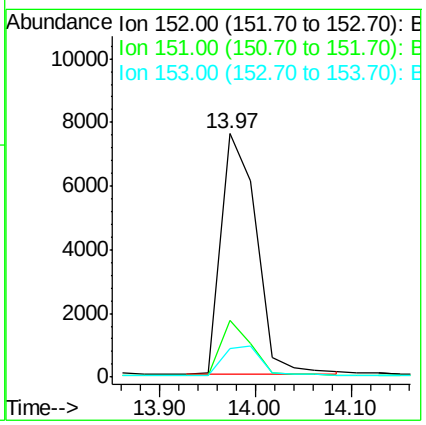


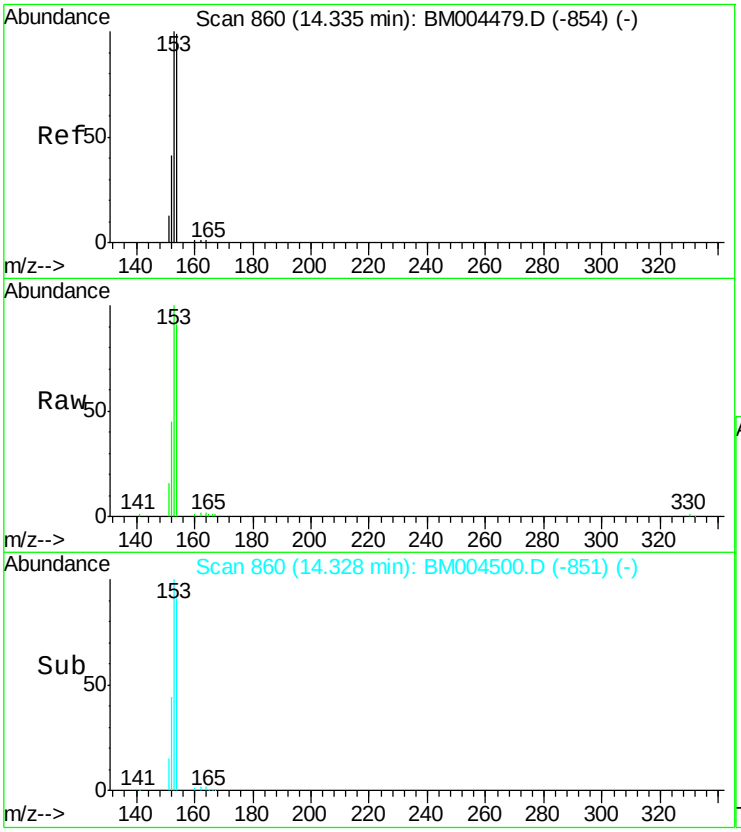


#16
Acenaphthylene
Concen: 0.95 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:152 Resp: 19554

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	0.0	10.2	15.4#



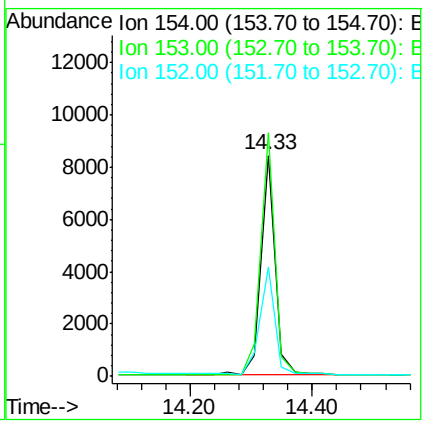


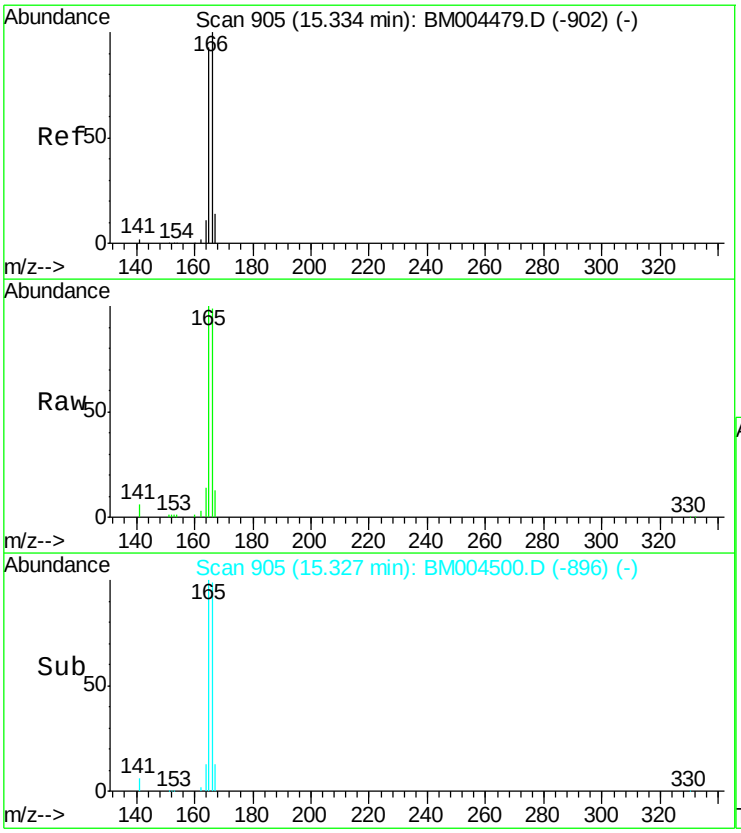
#17
Acenaphthene
Concen: 1.01 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:154 Resp: 13636

Ion	Ratio	Lower	Upper
154	100		
153	110.9	88.0	132.0
152	50.9	41.1	61.7

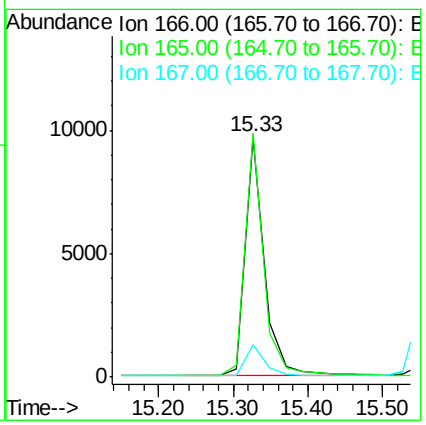


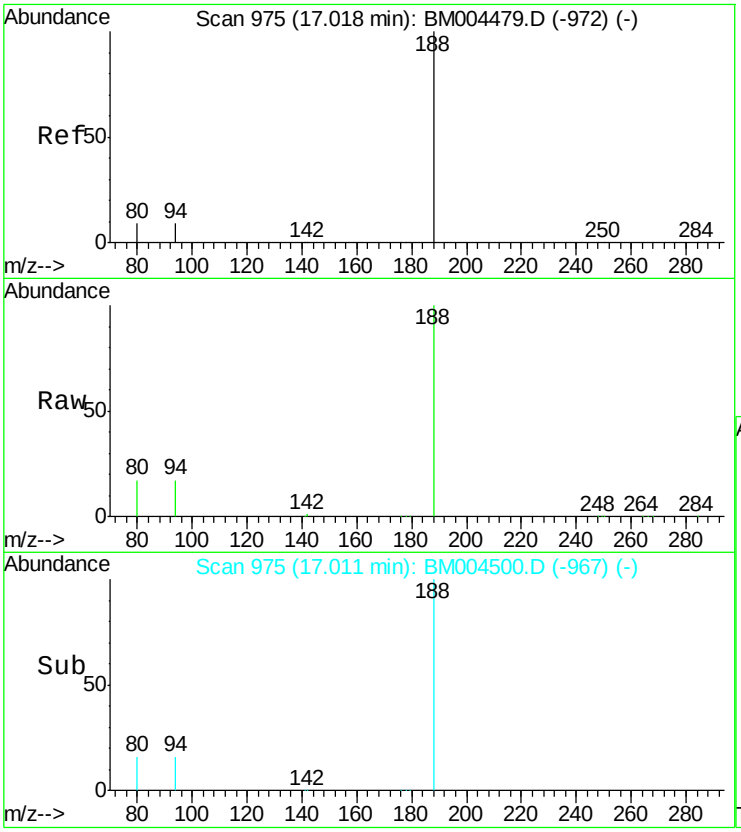


#18
Fluorene
Concen: 1.03 ng
RT: 15.33 min Scan# 905
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:166 Resp: 16946

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.2	115.8
167	13.3	10.9	16.3



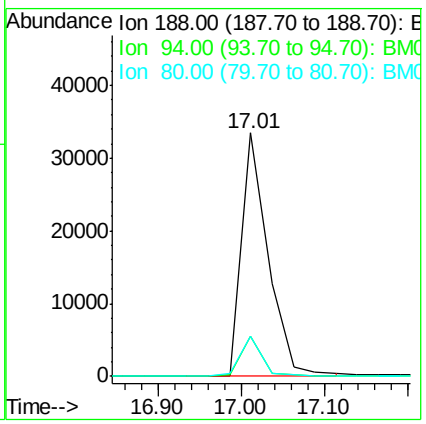


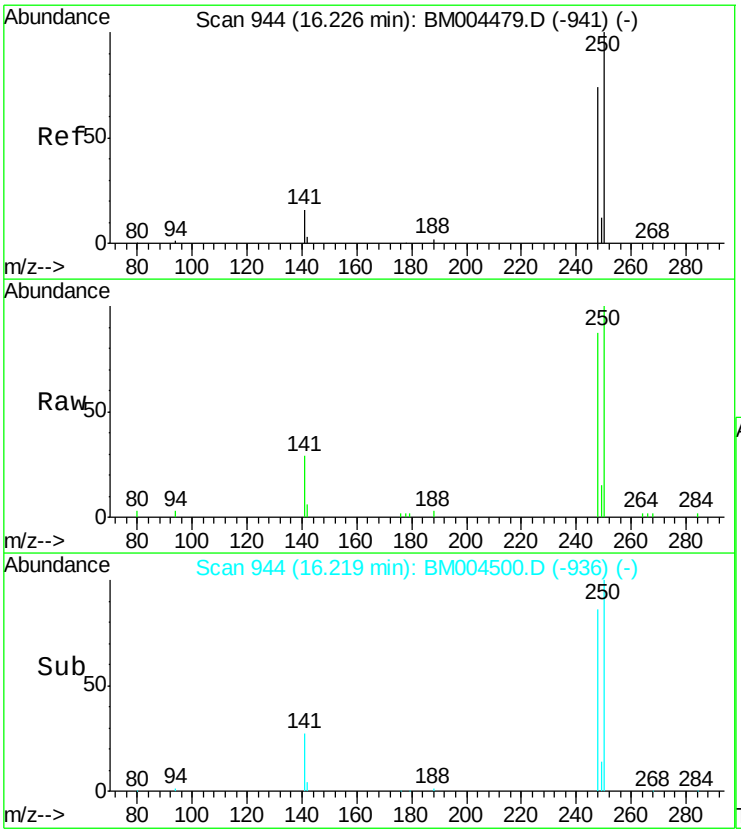
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 975
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:188 Resp: 74245

Ion	Ratio	Lower	Upper
188	100		
94	16.5	7.4	11.0#
80	16.7	6.9	10.3#

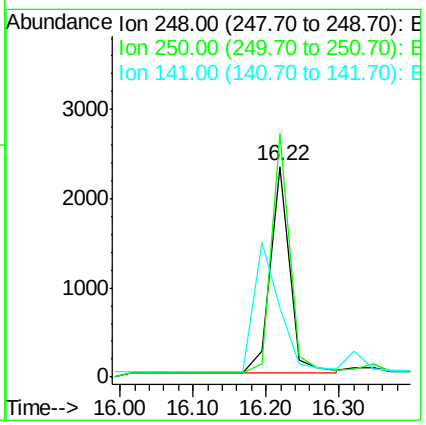


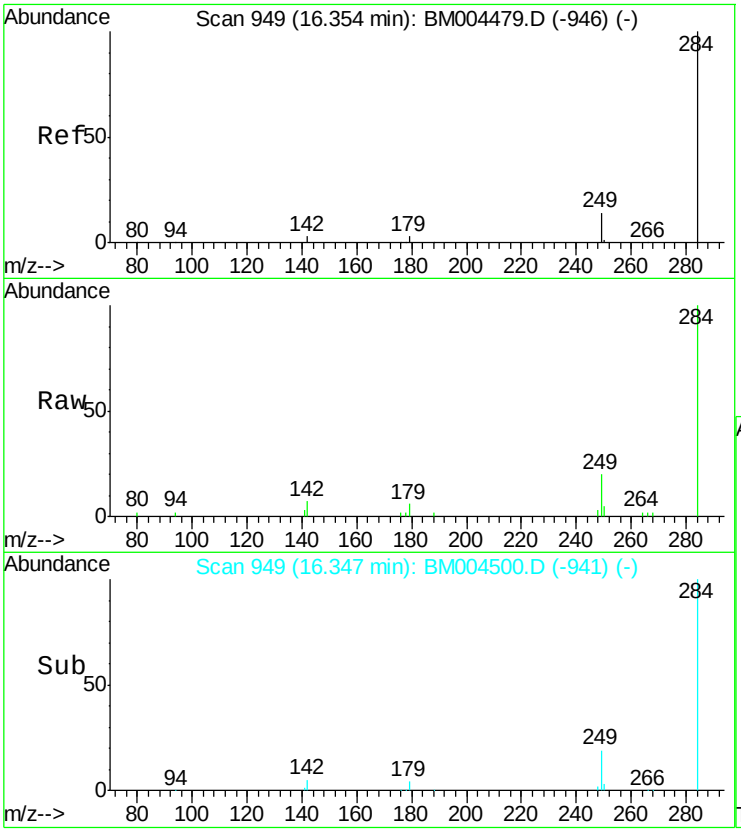


#20
4-Bromophenyl-phenylether
Concen: 1.18 ng
RT: 16.22 min Scan# 944
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:248 Resp: 4300

Ion	Ratio	Lower	Upper
248	100		
250	108.8	81.5	122.3
141	0.0	0.0	0.0



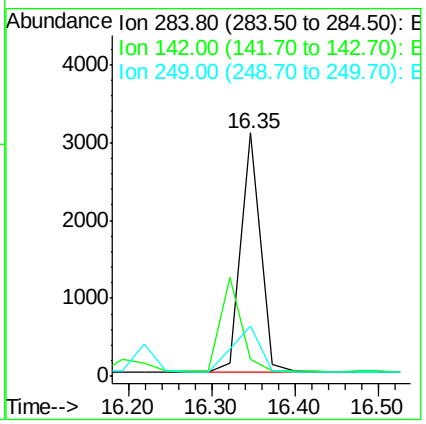


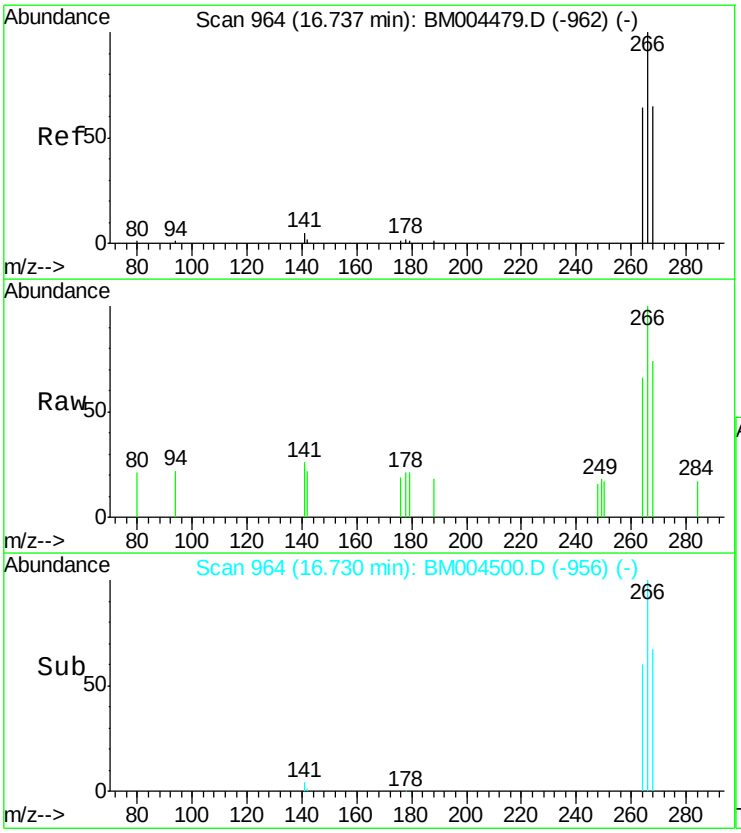
#21
Hexachlorobenzene
Concen: 1.19 ng
RT: 16.35 min Scan# 949
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:284 Resp: 5114

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	26.7	0.0	0.0#

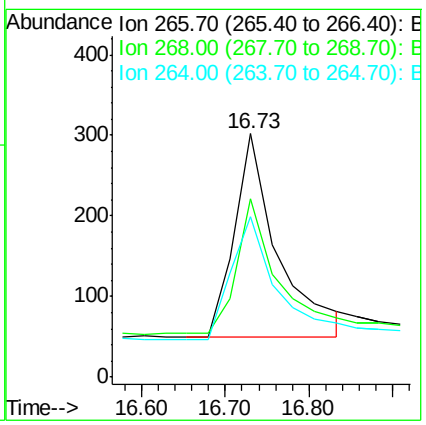


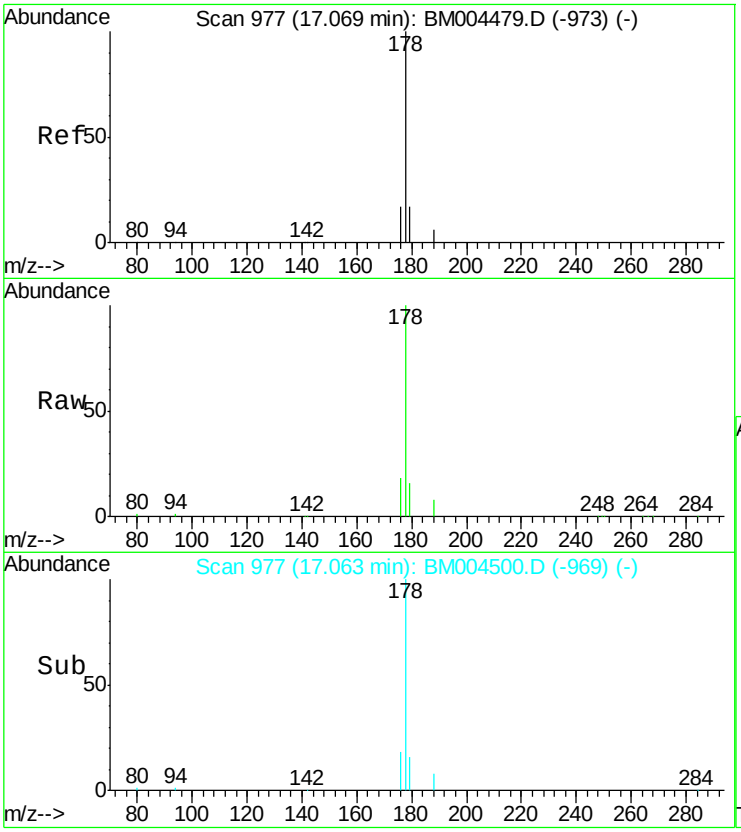


#22
Pentachlorophenol
Concen: 1.15 ng
RT: 16.73 min Scan# 964
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:266 Resp: 919

Ion	Ratio	Lower	Upper
266	100		
268	73.5	60.7	91.1
264	65.9	57.1	85.7



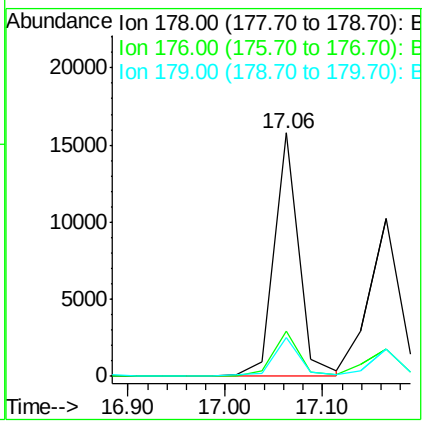


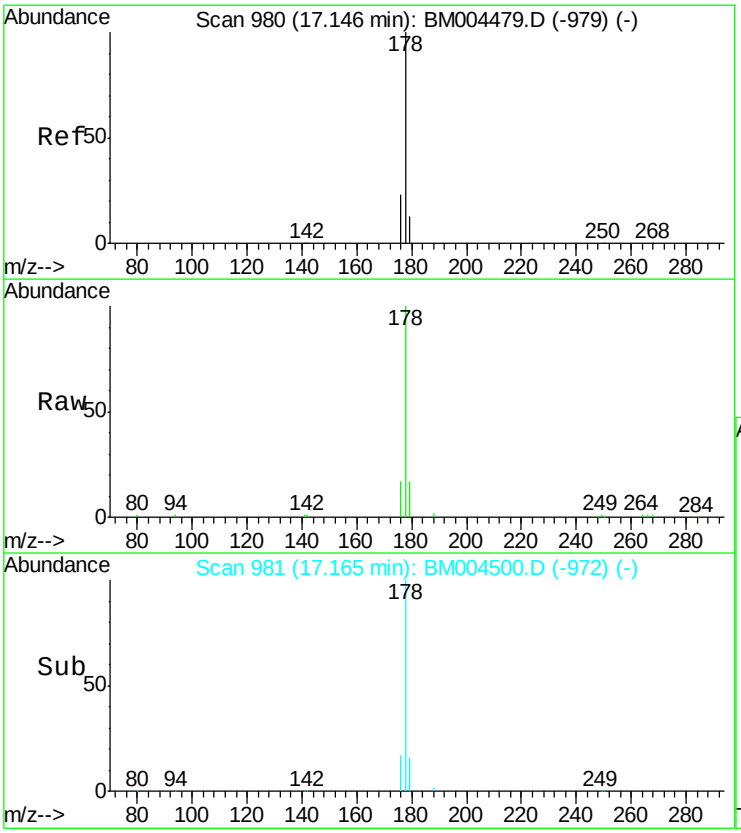
#23
Phenanthrene
Concen: 1.13 ng
RT: 17.06 min Scan# 977
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 27611

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.7	12.9	19.3

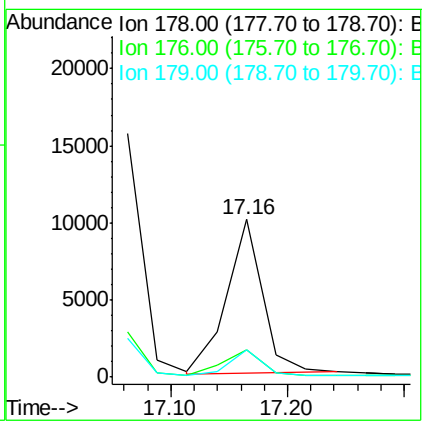


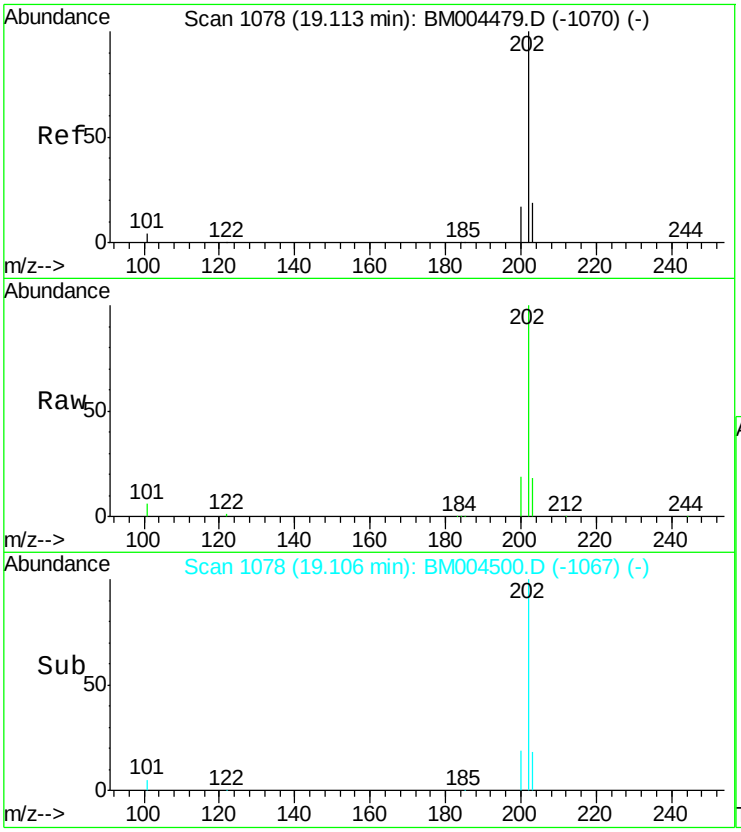


#24
Anthracene
Concen: 0.98 ng
RT: 17.16 min Scan# 981
Delta R.T. 0.02 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:178 Resp: 21622

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.5	13.6	20.4



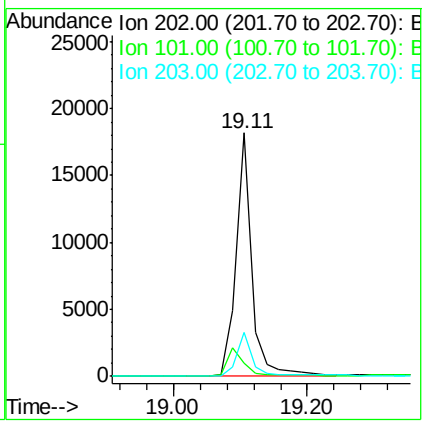


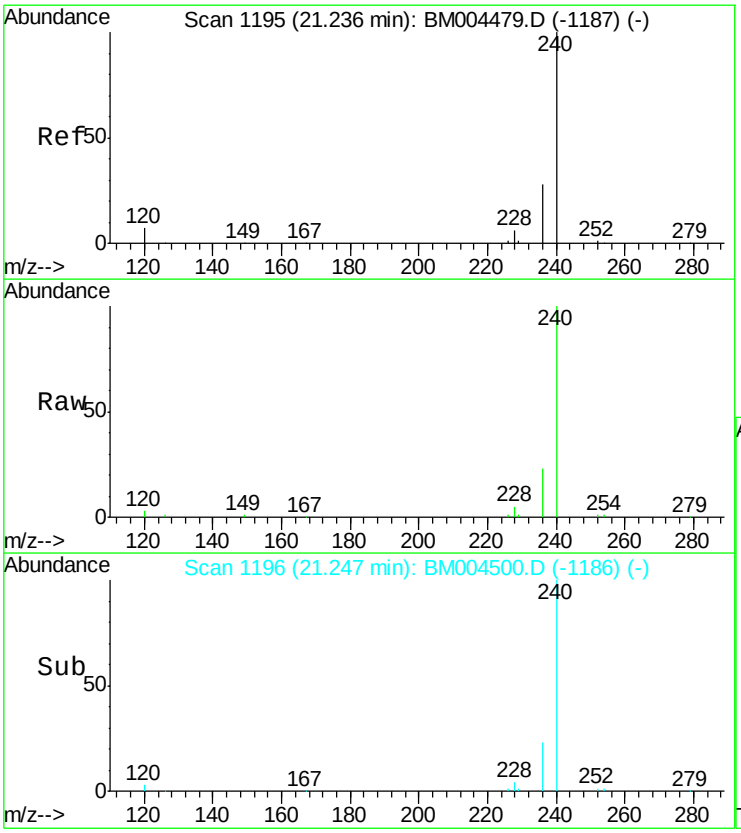
#25
Fluoranthene
Concen: 1.04 ng
RT: 19.11 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 29163

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.4	14.2
203	17.3	13.9	20.9

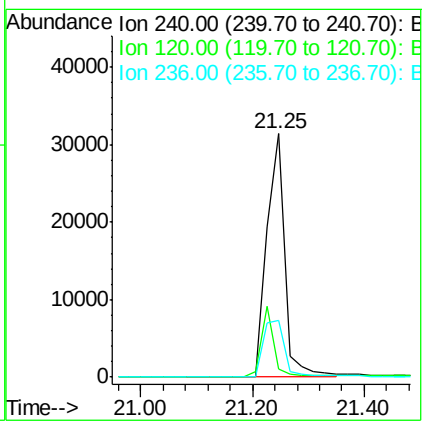


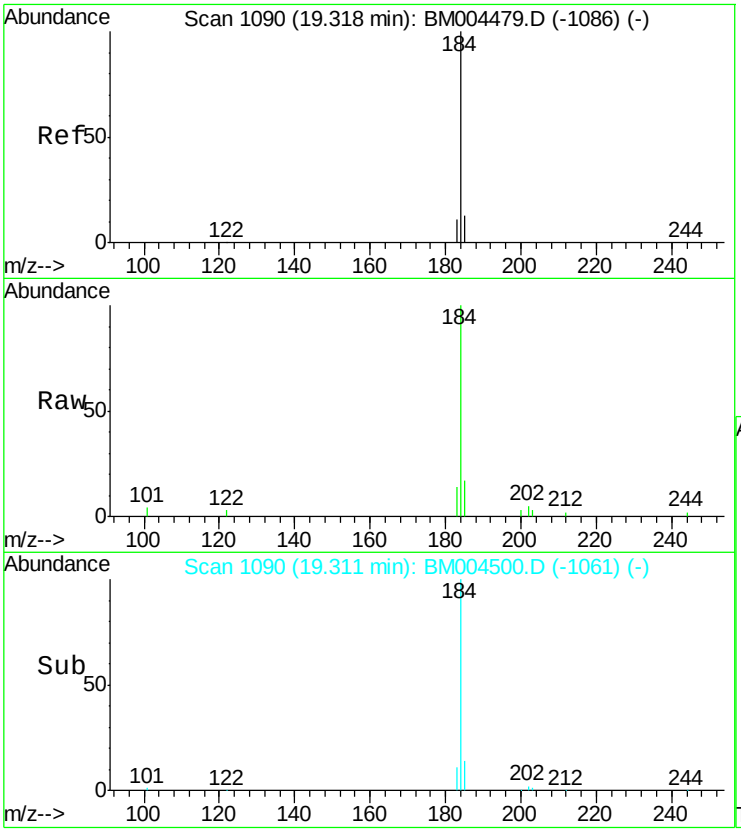


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:240 Resp: 69282

Ion	Ratio	Lower	Upper
240	100		
120	3.2	6.1	9.1#
236	23.2	22.6	34.0



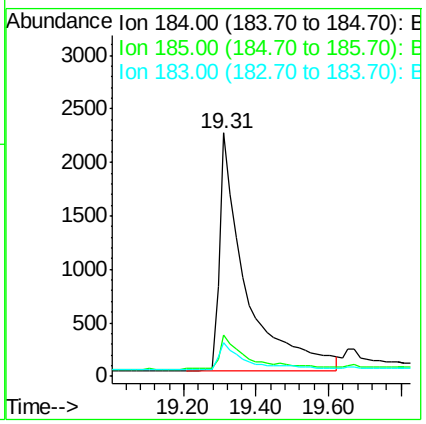


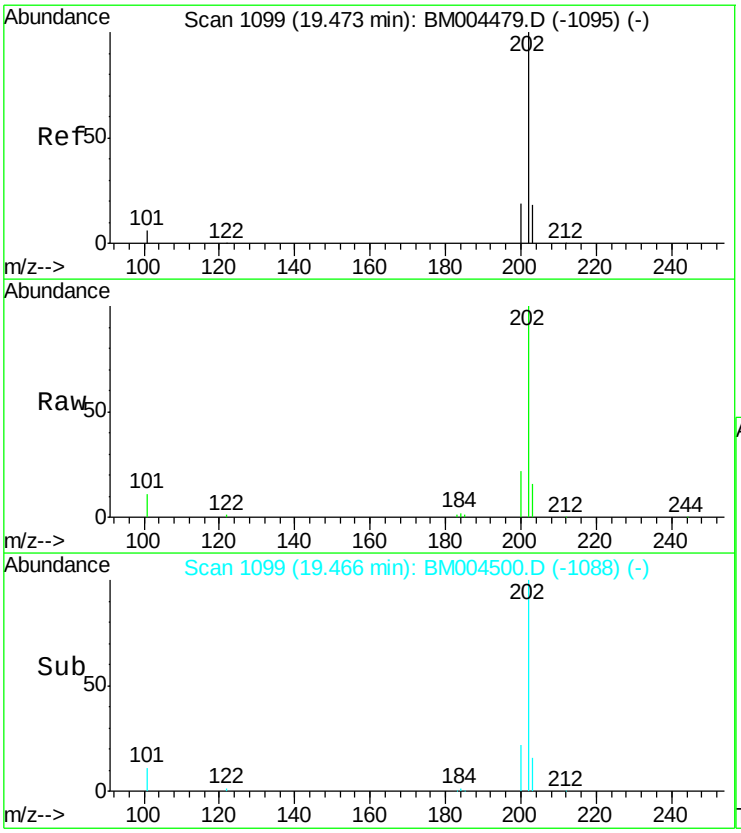
#27
Benzidine
Concen: 1.32 ng
RT: 19.31 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:184 Resp: 11136

Ion	Ratio	Lower	Upper
184	100		
185	16.9	16.6	24.8
183	13.8	12.3	18.5

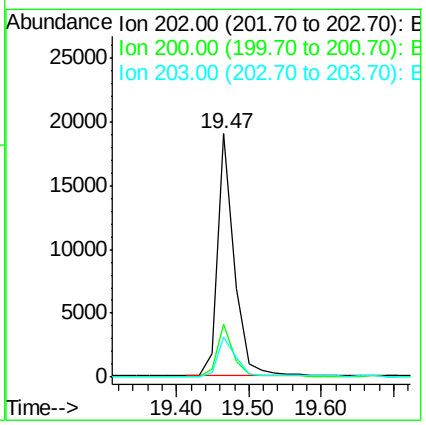


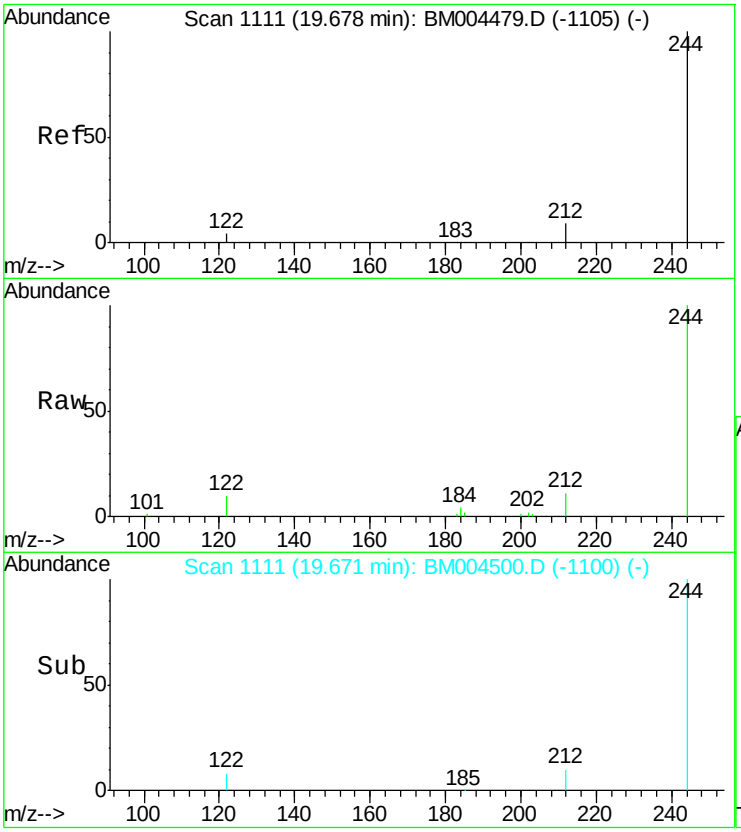


#28
Pyrene
Concen: 1.12 ng
RT: 19.47 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:202 Resp: 30615

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	17.3	14.1	21.1



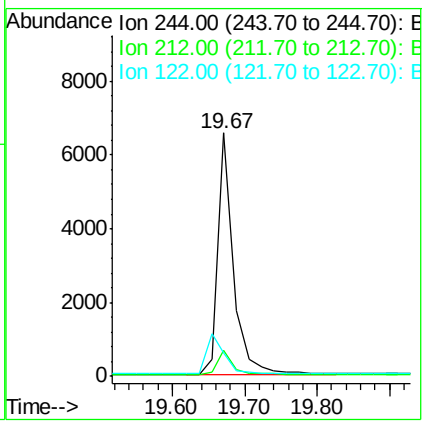


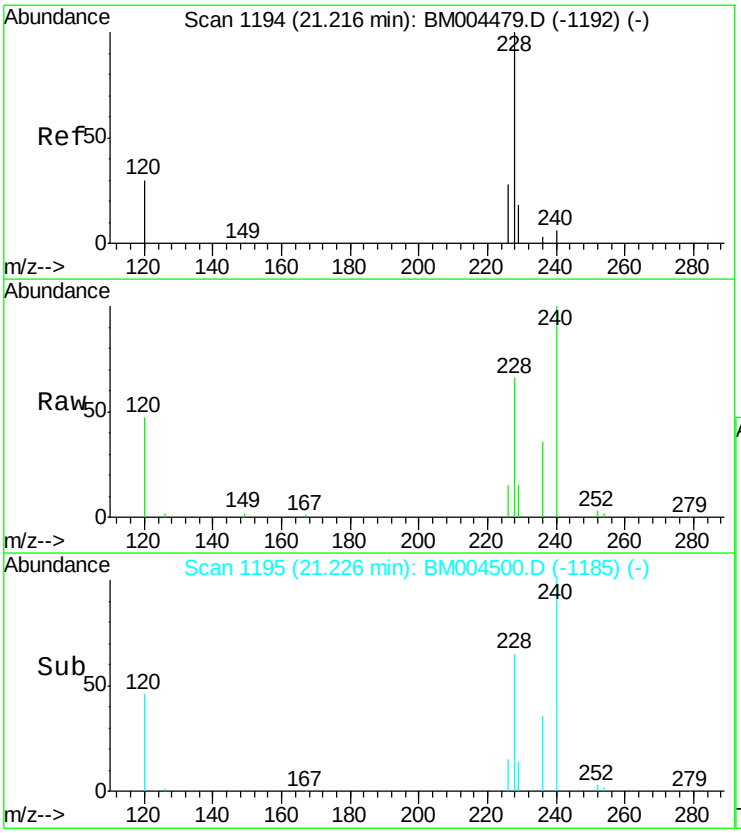
#29
Terphenyl-d14
Concen: 1.11 ng
RT: 19.67 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:244 Resp: 9899

Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.5	11.3
122	9.7	4.2	6.2#

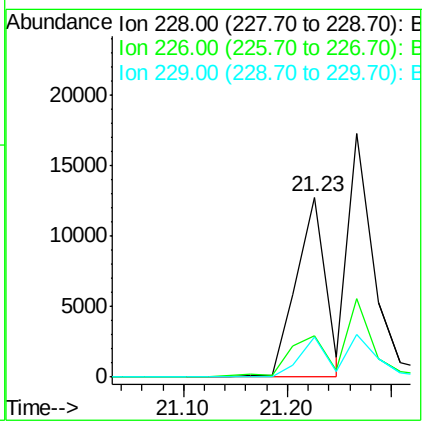


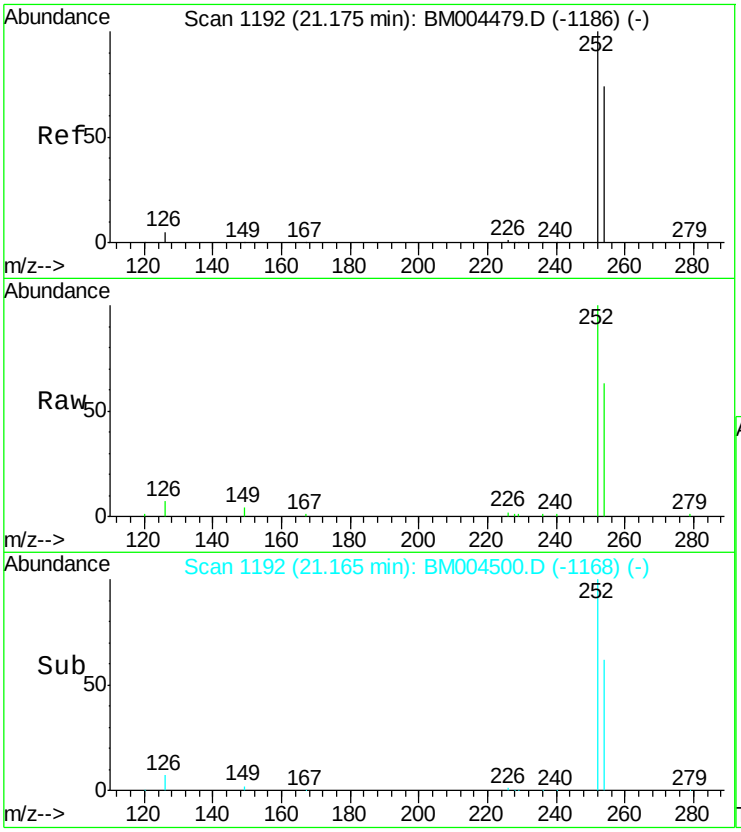


#30
Benzo(a)anthracene
Concen: 0.96 ng
RT: 21.23 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:228 Resp: 24540

Ion	Ratio	Lower	Upper
228	100		
226	23.3	22.8	34.2
229	22.4	14.6	22.0#



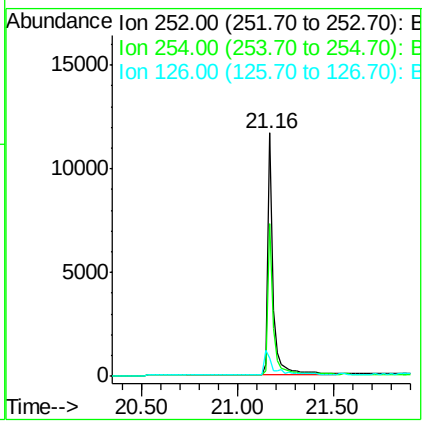


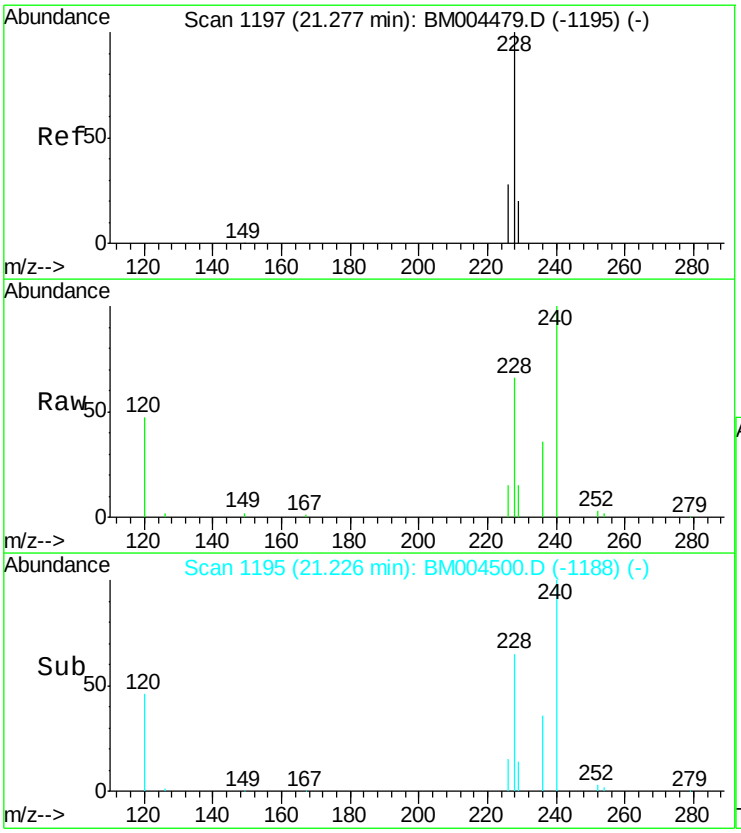
#31
3,3'-Dichlorobenzidine
Concen: 1.51 ng
RT: 21.16 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 23357

Ion	Ratio	Lower	Upper
252	100		
254	62.5	59.4	89.0
126	7.4	5.5	8.3

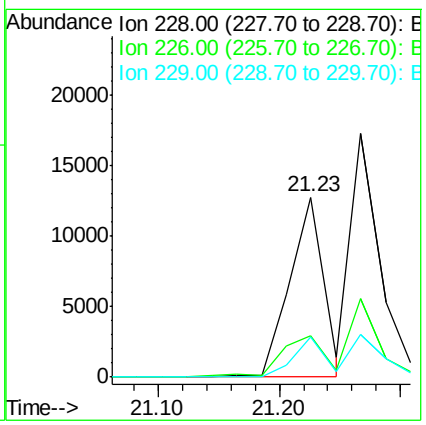


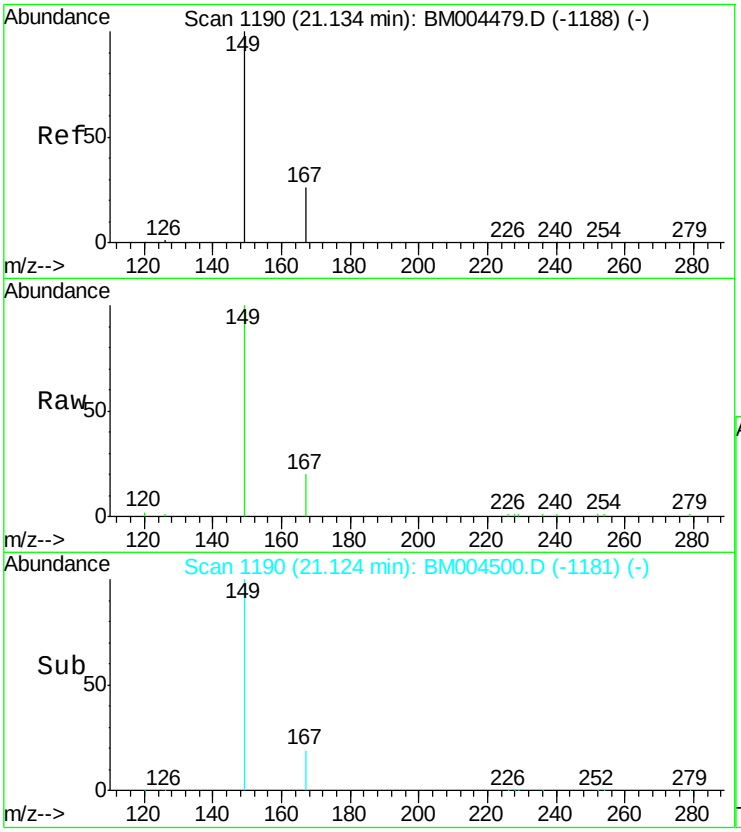


#32
Chrysene
Concen: 0.70 ng
RT: 21.23 min Scan# 1195
Delta R.T. -0.05 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:228 Resp: 24525

Ion	Ratio	Lower	Upper
228	100		
226	23.3	21.4	32.2
229	22.4	17.1	25.7



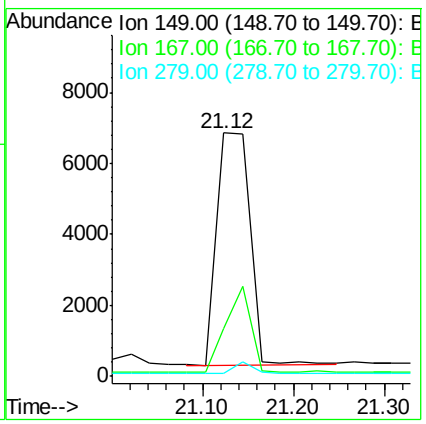


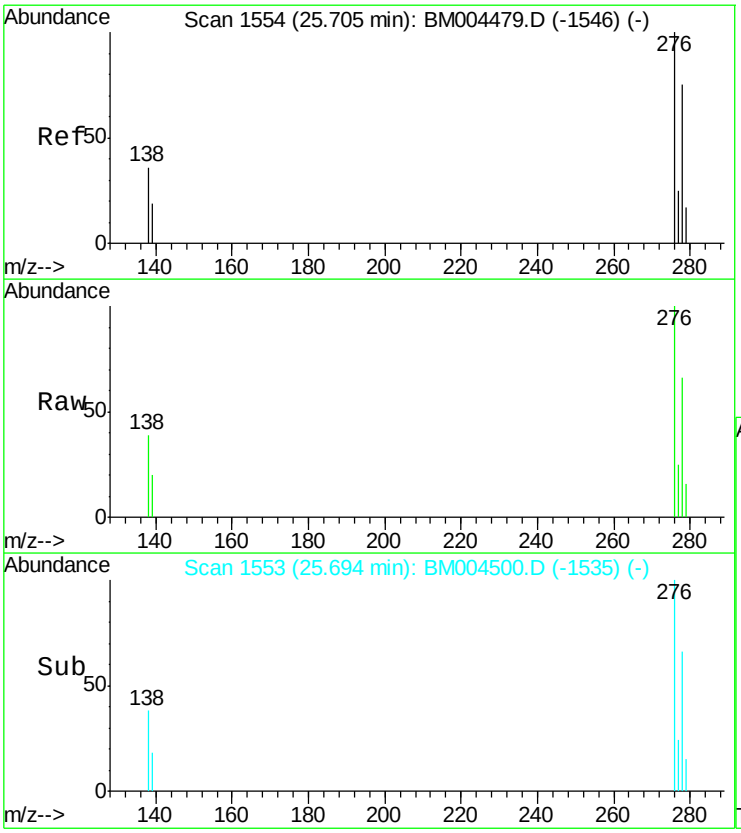
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.83 ng
RT: 21.12 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 16485

Ion	Ratio	Lower	Upper
149	100		
167	0.0	21.2	31.8#
279	0.0	0.0	0.0

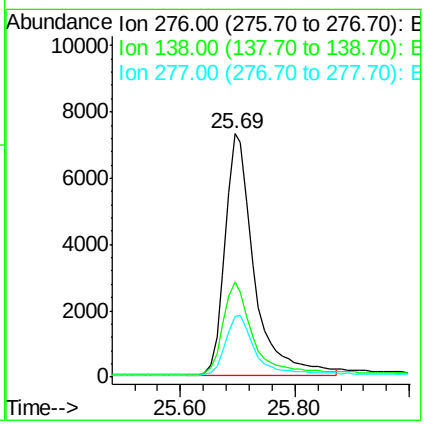


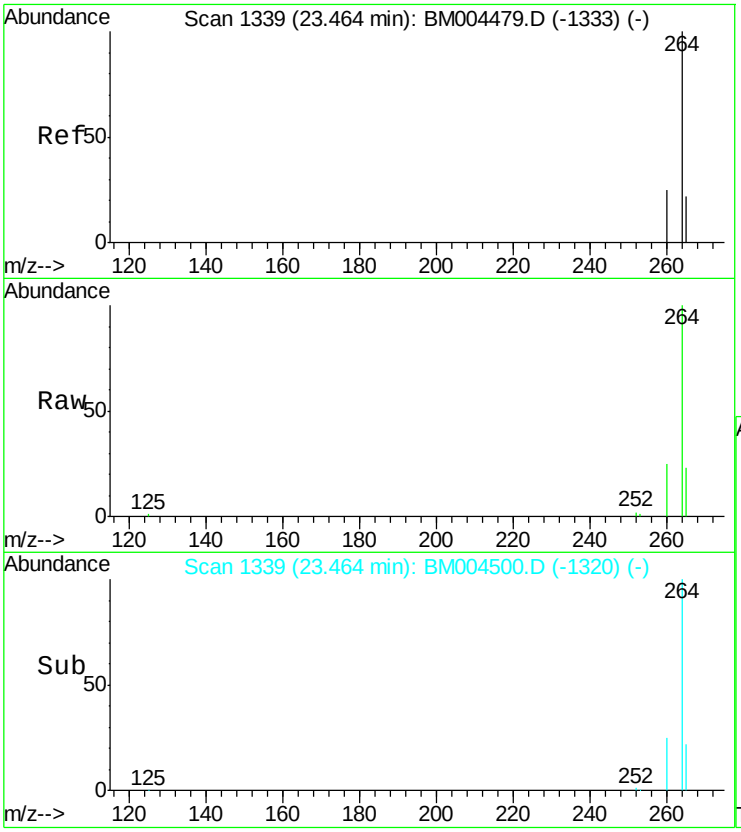


#34
Indeno(1,2,3-cd)pyrene
Concen: 1.09 ng
RT: 25.69 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:276 Resp: 25775

Ion	Ratio	Lower	Upper
276	100		
138	38.4	30.4	45.6
277	24.8	19.8	29.8



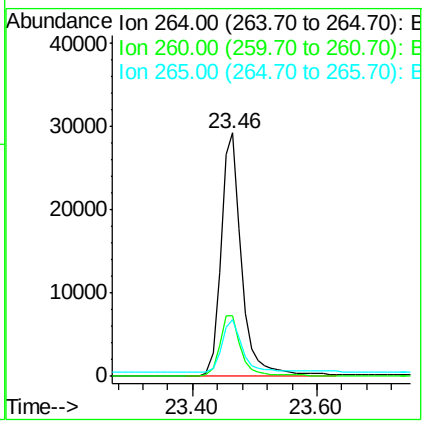


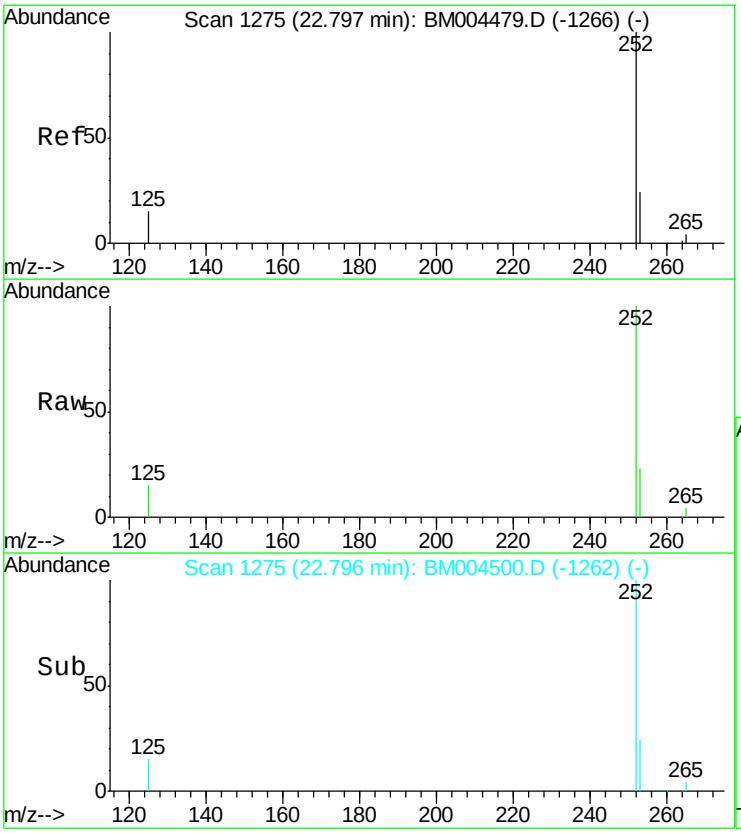
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:264 Resp: 66641

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.6
265	23.4	18.9	28.3

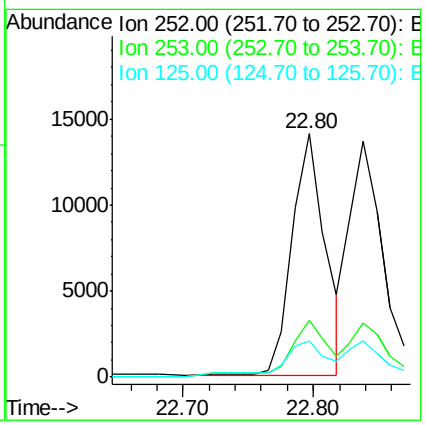


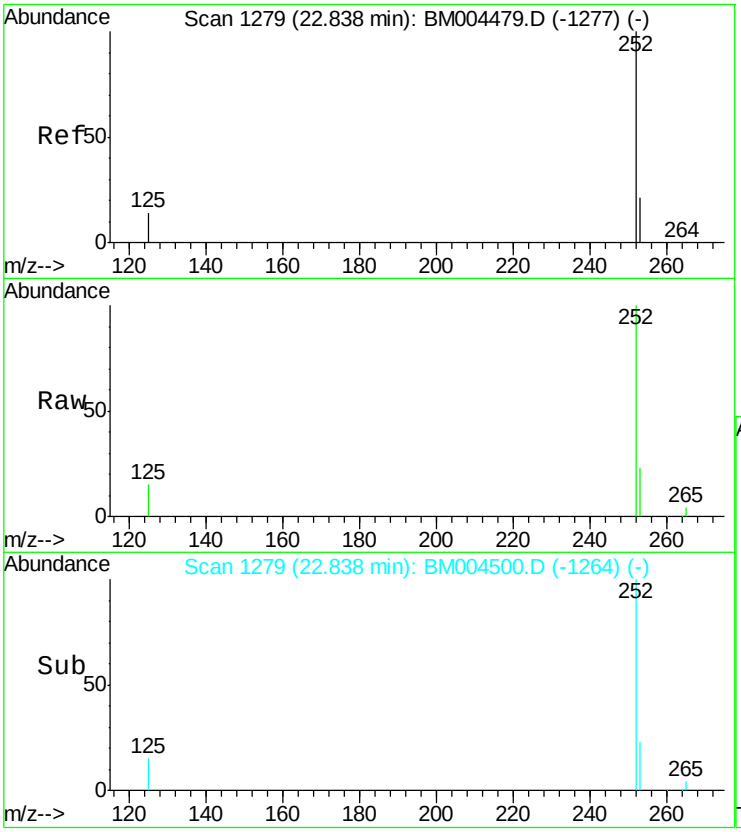


#36
Benzo(b)fluoranthene
Concen: 1.04 ng
RT: 22.80 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:252 Resp: 27083

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.8	28.2
125	15.0	11.8	17.8



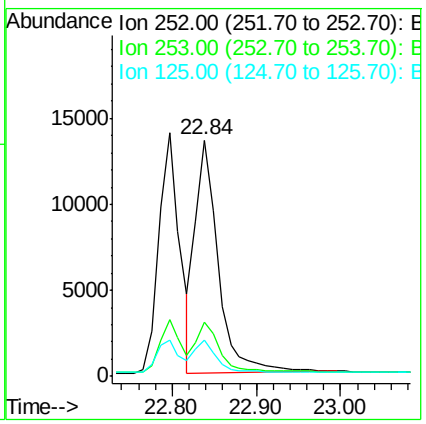


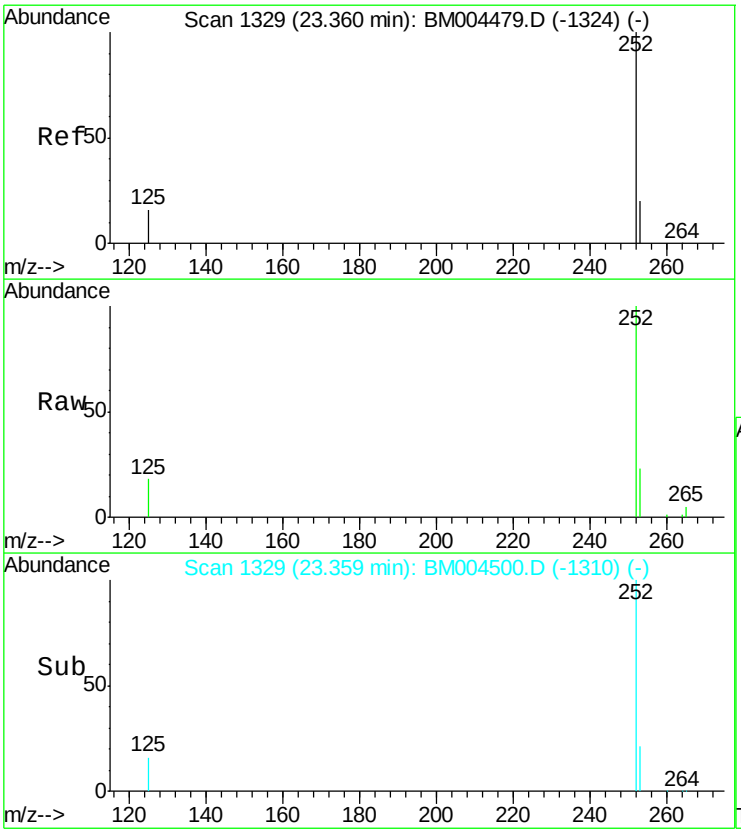
#37
Benzo(k)fluoranthene
Concen: 0.99 ng
RT: 22.84 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 25319

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	15.2	12.2	18.4

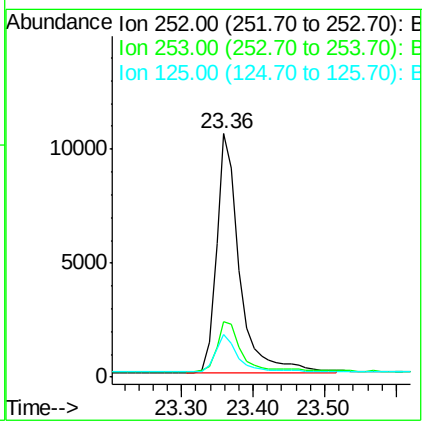


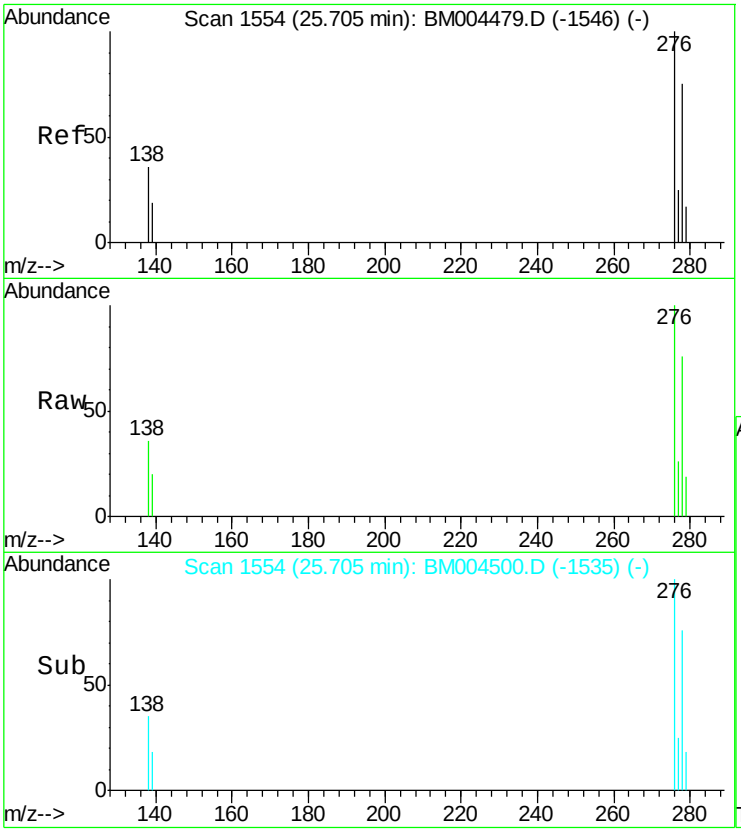


#38
Benzo(a)pyrene
Concen: 1.01 ng
RT: 23.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:252 Resp: 23742

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	17.5	14.3	21.5



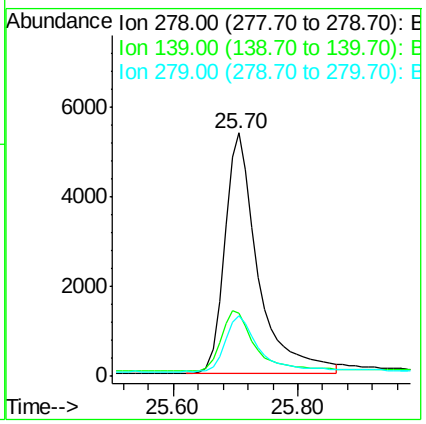


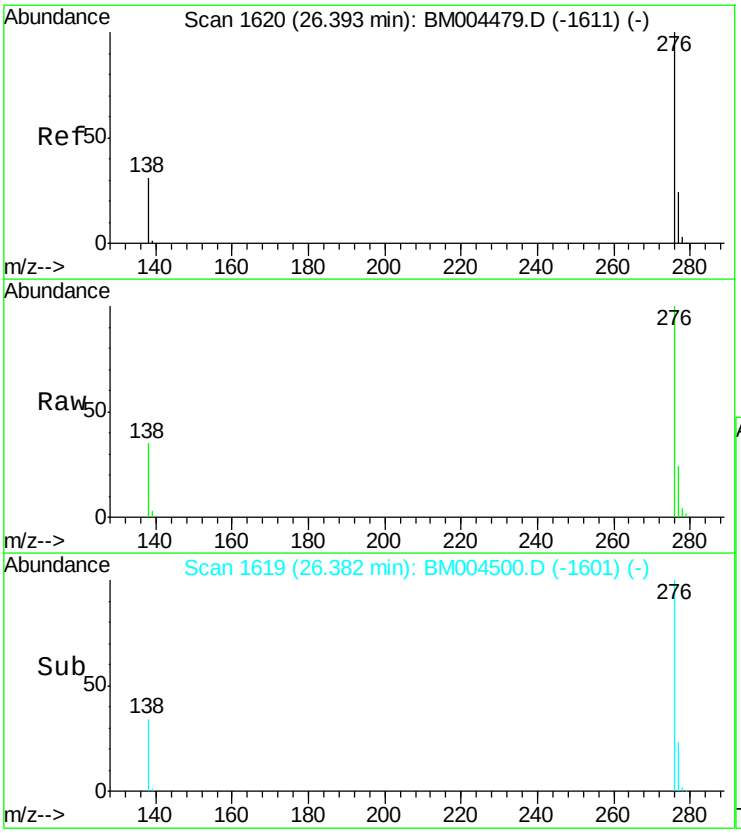
#39
Dibenzo(a,h)anthracene
Concen: 0.98 ng
RT: 25.70 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 20115

Ion	Ratio	Lower	Upper
278	100		
139	25.9	21.2	31.8
279	24.7	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 0.99 ng
RT: 26.38 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BM004500.D
Acq: 01 Mar 2016 10:29

Tgt Ion:276 Resp: 22146

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	35.3	26.2	39.2