Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071715\
Data File : BE090161.D
Acq On : 18 Jul 2015 00:36
Operator : TP/IZ
Sample : PB84515BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB84515BSD

Quant Time: Jul 18 04:51:24 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 18 00:40:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	9671	5.00	ng		0.00
6) Naphthalene-d8	10.36	136	47236	5.00	ng		0.00
12) Acenaphthene-d10	14.22	164	26697	5.00	ng		0.00
18) Phenanthrene-d10	16.96	188	65875	5.00	ng		0.00
25) Chrysene-d12	21.11	240	79529	5.00	ng		0.00
32) Perylene-d12	23.43	264	80306	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	12688	5.58	ng		0.00
5) Phenol-d6	6.79	99	17745	6.05	ng		0.00
7) Nitrobenzene-d5	8.74	82	11273	3.60	ng		0.00
13) 2,4,6-Tribromophenol	15.73	330	3960	6.28	ng		0.00
14) 2-Fluorobiphenyl	12.84	172	27152	3.45	ng		0.00
27) Terphenyl-d14	19.58	244	43877	3.30	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	3658	3.62	ng		98
3) n-Nitrosodimethylamine	3.51	42	5865	3.42	ng	#	92
8) Nitrobenzene	8.78	77	11218	3.63	ng		98
9) Naphthalene	10.41	128	33639	3.32	ng		98
10) Hexachlorobutadiene	10.71	225	4004	3.21	ng		99
11) 2-Methylnaphthalene	12.03	142	23385	3.44	ng		99
15) Acenaphthylene	13.93	152	158488	3.30	ng		100
16) Acenaphthene	14.28	154	23030	3.40	ng		99
17) Fluorene	15.27	166	30716	3.36	ng		99
19) 4-Bromophenyl-phenylether	16.16	248	8382	3.42	ng		95
20) Hexachlorobenzene	16.28	284	28887	3.33	ng		99
21) Pentachlorophenol	16.63	266	6850	6.14	ng		92
22) Phenanthrene	17.00	178	50421	3.41	ng		100
23) Anthracene	17.08	178	48528	3.53	ng		99
24) Fluoranthene	19.00	202	58236	3.51	ng		100
26) Pyrene	19.36	202	62827	3.49	ng		100
28) Benzo(a)anthracene	21.10	228	61210	3.36	ng		100
29) Chrysene	21.15	228	62004	3.37	ng		99
30) Bis(2-ethylhexyl)phthalate	21.05	149	33579	3.60	ng		100
31) Indeno(1,2,3-cd)pyrene	25.83	276	71672	3.33	ng		100
33) Benzo(b)fluoranthene	22.72	252	58192	3.47	ng		99
34) Benzo(k)fluoranthene	22.77	252	66312	3.46	ng		99
35) Benzo(a)pyrene	23.32	252	58203	3.59	ng		99
36) Dibenzo(a,h)anthracene	25.85	278	58910	3.44	ng		99
37) Benzo(g,h,i)perylene	26.56	276	60359	3.41	ng		99

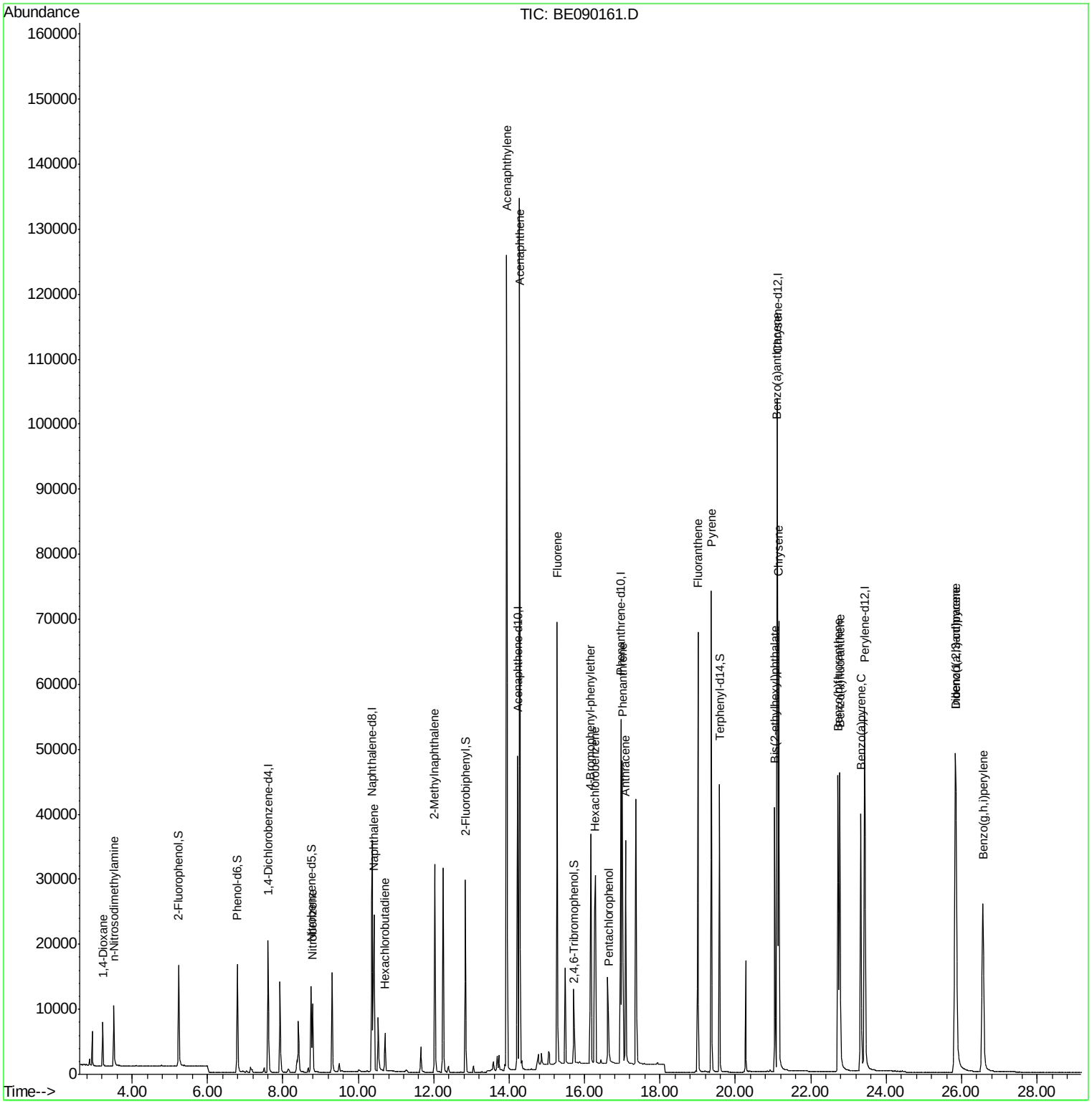
(#) = qualifier out of range (m) = manual integration (+) = signals summed

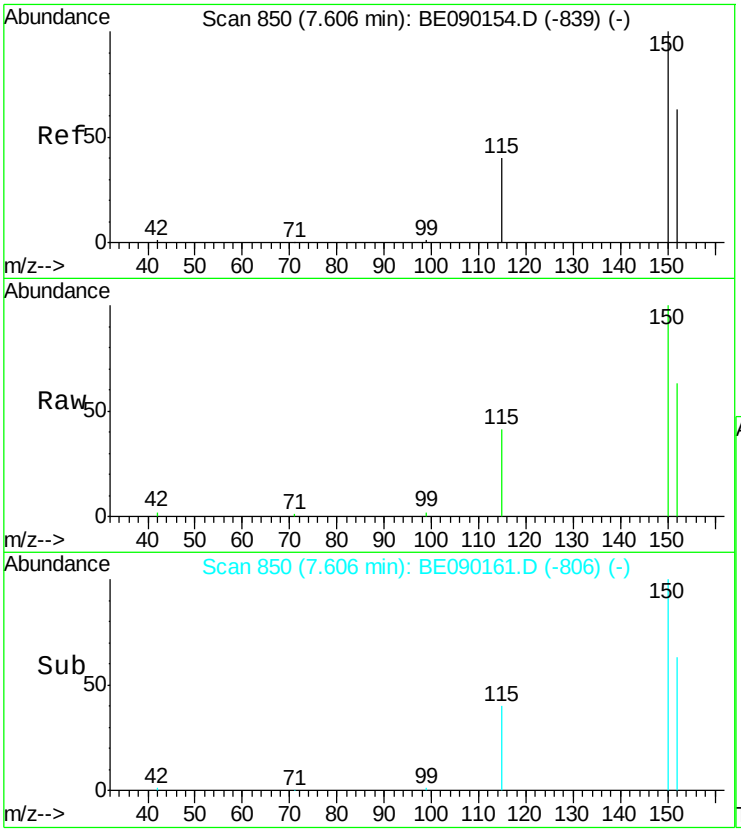
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071715\
Data File : BE090161.D
Acq On : 18 Jul 2015 00:36
Operator : TP/IZ
Sample : PB84515BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Quant Time: Jul 18 04:51:24 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 18 00:40:53 2015
Response via : Initial Calibration



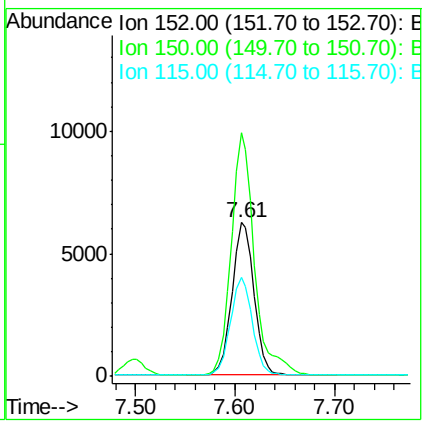


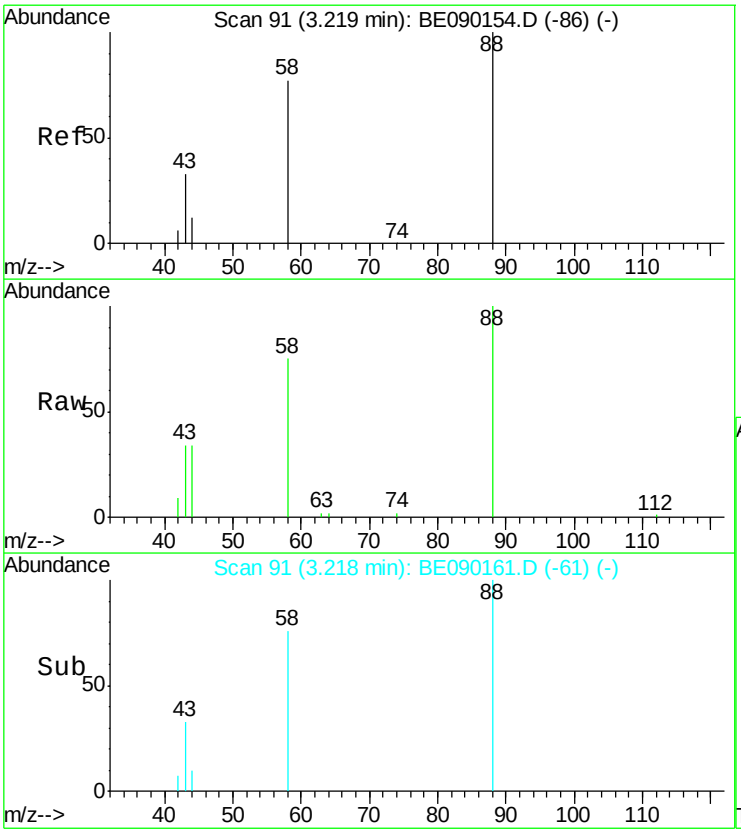
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 850
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:152 Resp: 9671

Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.2	190.8
115	64.5	51.6	77.4

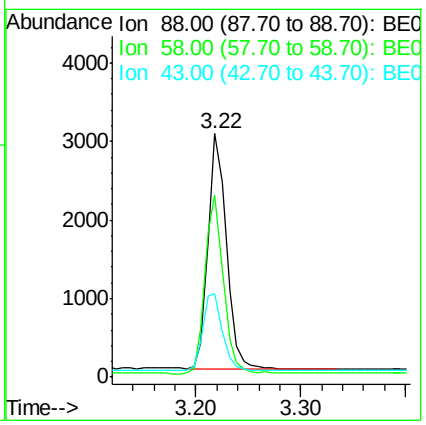


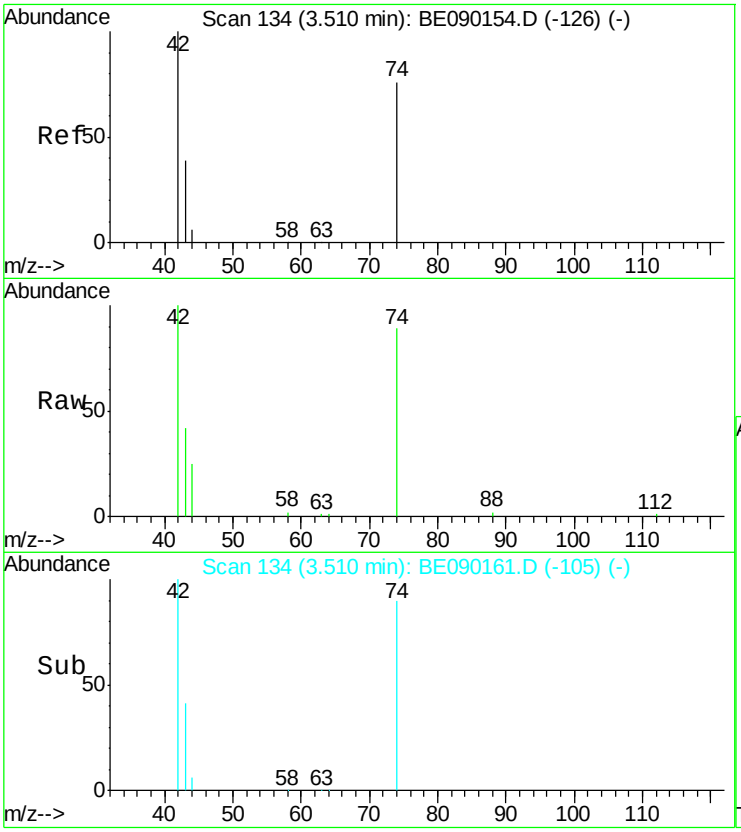


#2
1,4-Dioxane
Concen: 3.62 ng
RT: 3.22 min Scan# 91
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion: 88 Resp: 3658

Ion	Ratio	Lower	Upper
88	100		
58	75.1	58.2	87.2
43	34.6	27.7	41.5



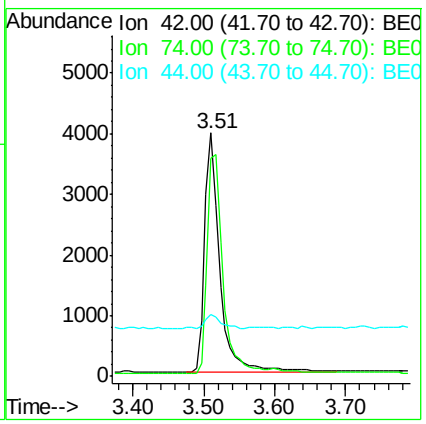


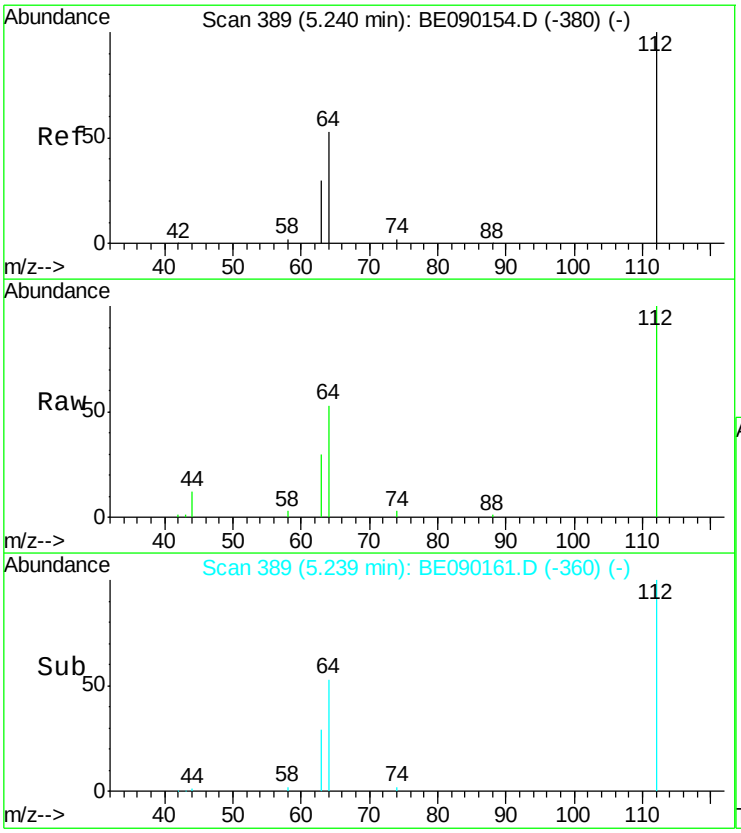
#3
n-Nitrosodimethylamine
Concen: 3.42 ng
RT: 3.51 min Scan# 134
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion: 42 Resp: 5865

Ion	Ratio	Lower	Upper
42	100		
74	94.1	82.2	123.4
44	7.0	7.5	11.3#

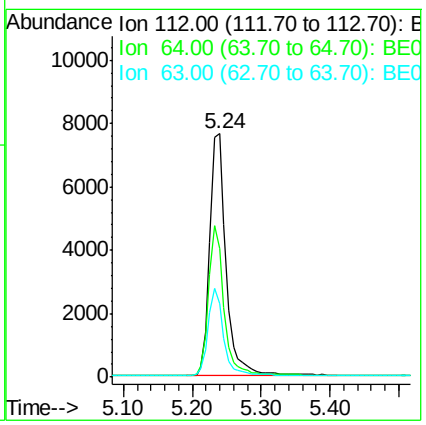


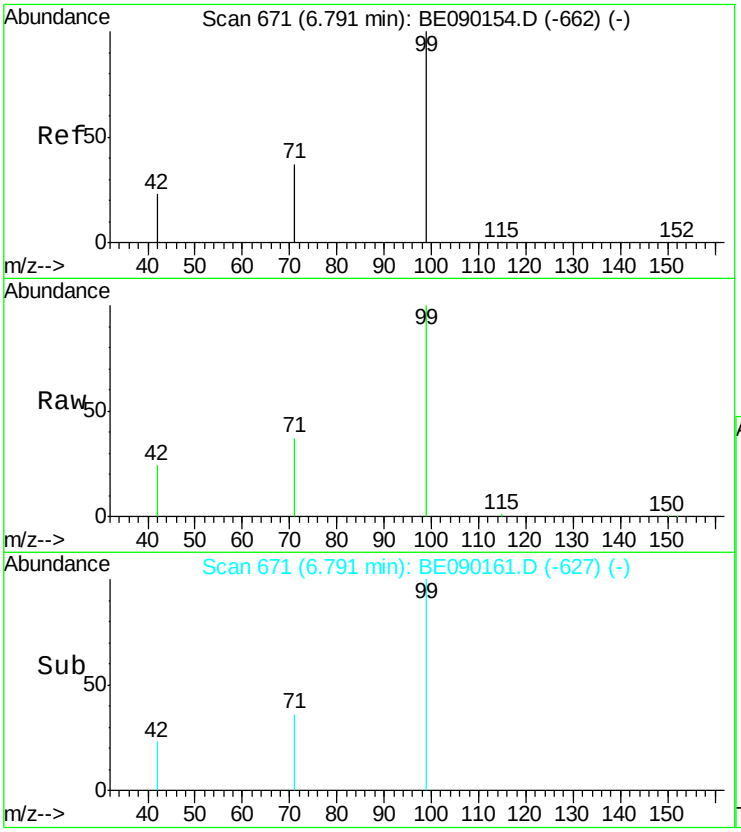


#4
2-Fluorophenol
Concen: 5.58 ng
RT: 5.24 min Scan# 389
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:112 Resp: 12688

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.7	70.1
63	33.6	27.3	40.9



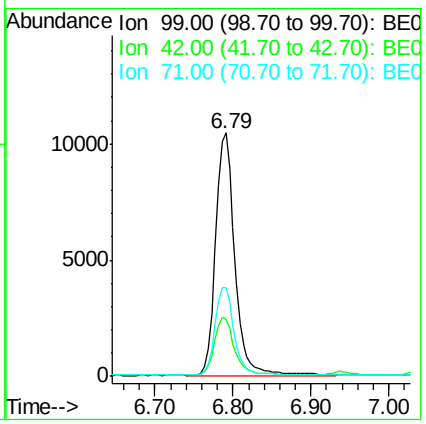


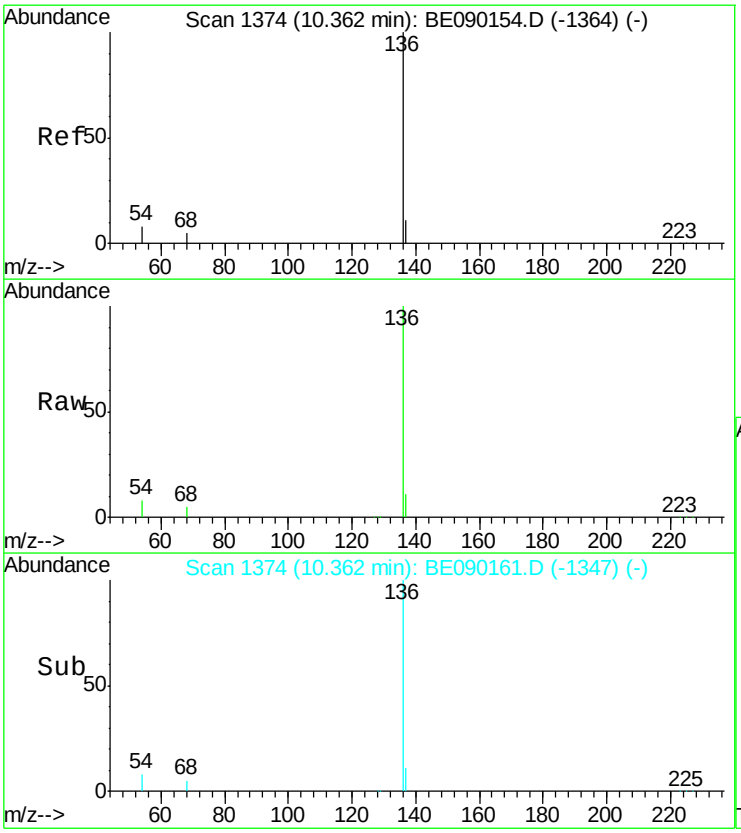
#5
Phenol-d6
Concen: 6.05 ng
RT: 6.79 min Scan# 671
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion: 99 Resp: 17745

Ion	Ratio	Lower	Upper
99	100		
42	24.7	19.1	28.7
71	36.9	29.4	44.2

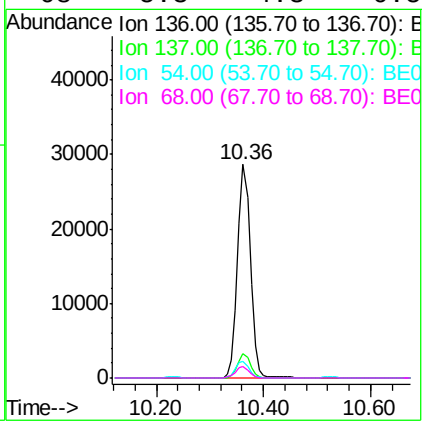


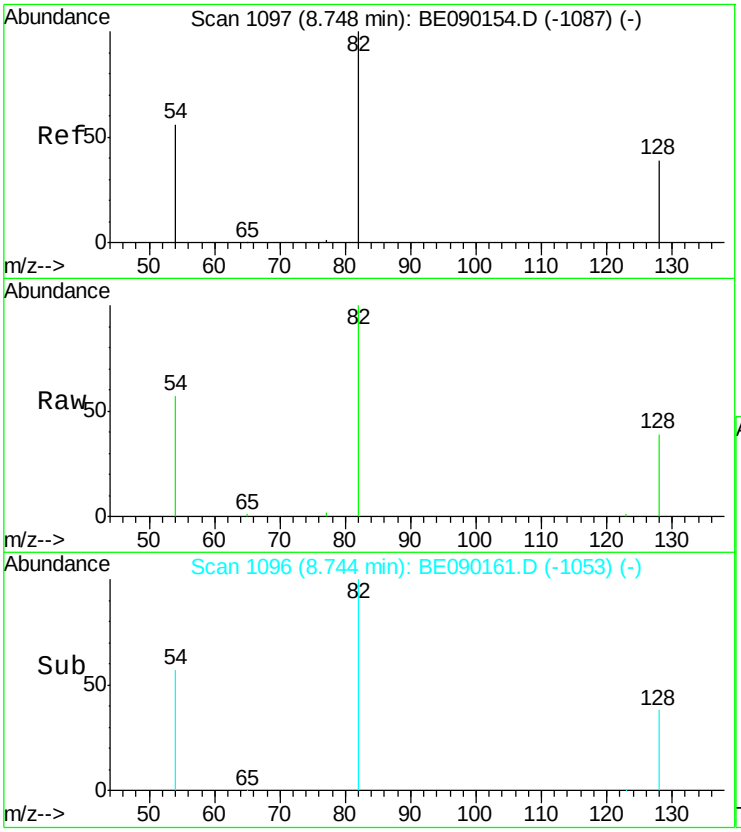


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.36 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:136 Resp: 47236

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.8	6.3	9.5
68	5.3	4.3	6.5



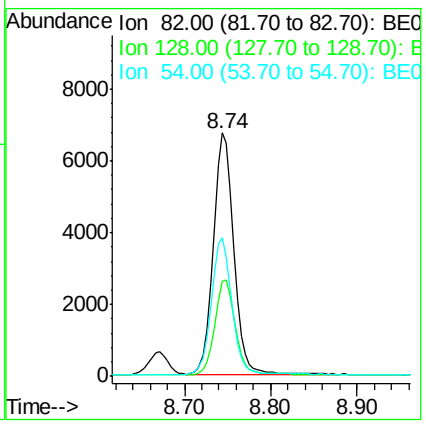


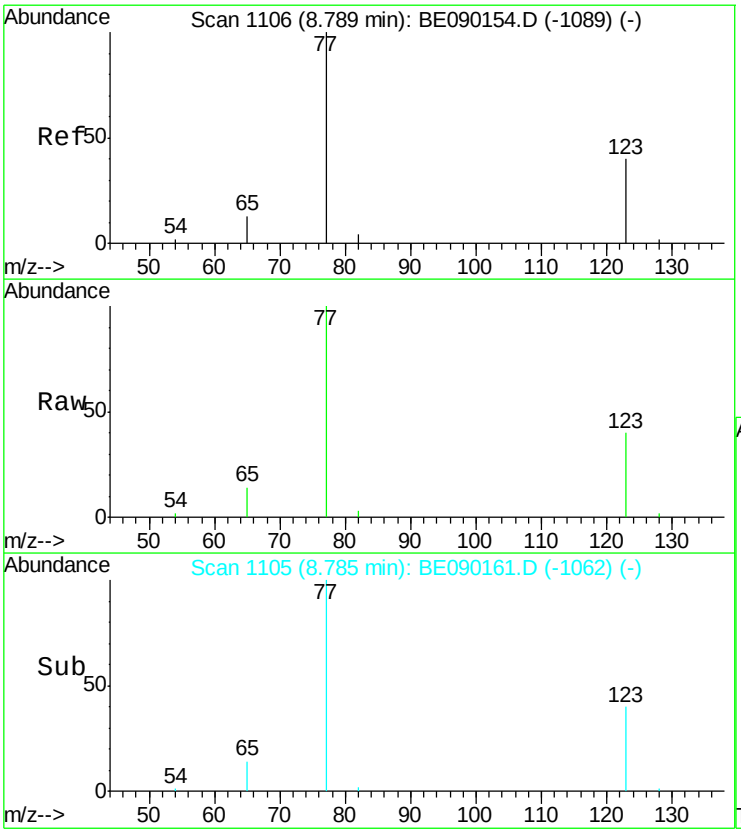
#7
Nitrobenzene-d5
Concen: 3.60 ng
RT: 8.74 min Scan# 1096
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion: 82 Resp: 11273

Ion	Ratio	Lower	Upper
82	100		
128	38.9	32.7	49.1
54	57.0	45.9	68.9

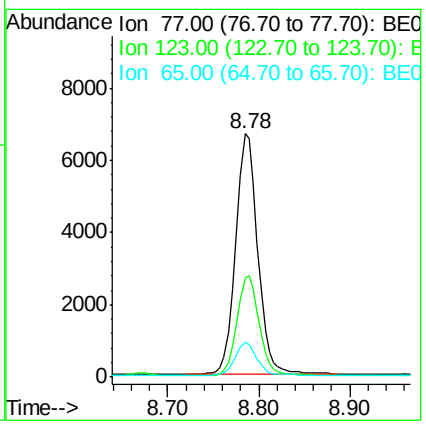


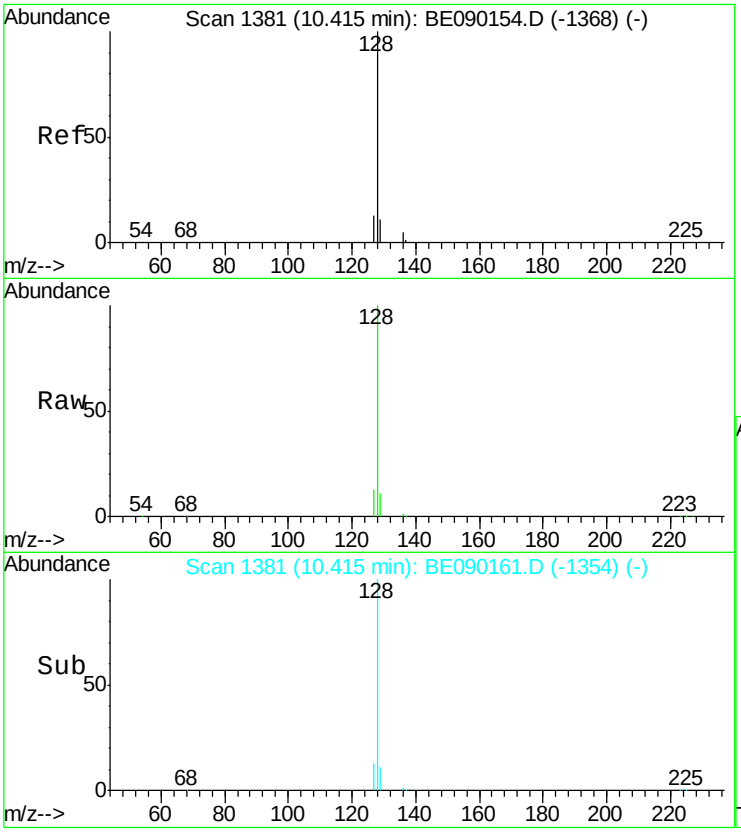


#8
Nitrobenzene
Concen: 3.63 ng
RT: 8.78 min Scan# 1105
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion: 77 Resp: 11218

Ion	Ratio	Lower	Upper
77	100		
123	41.8	32.3	48.5
65	13.8	10.4	15.6



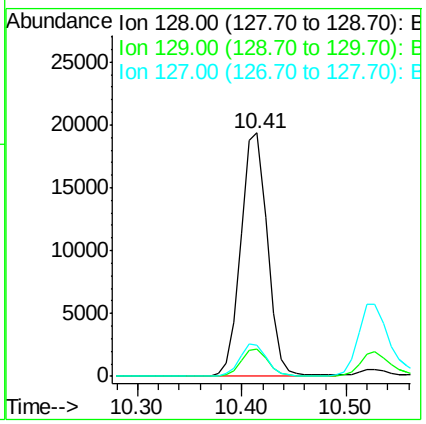


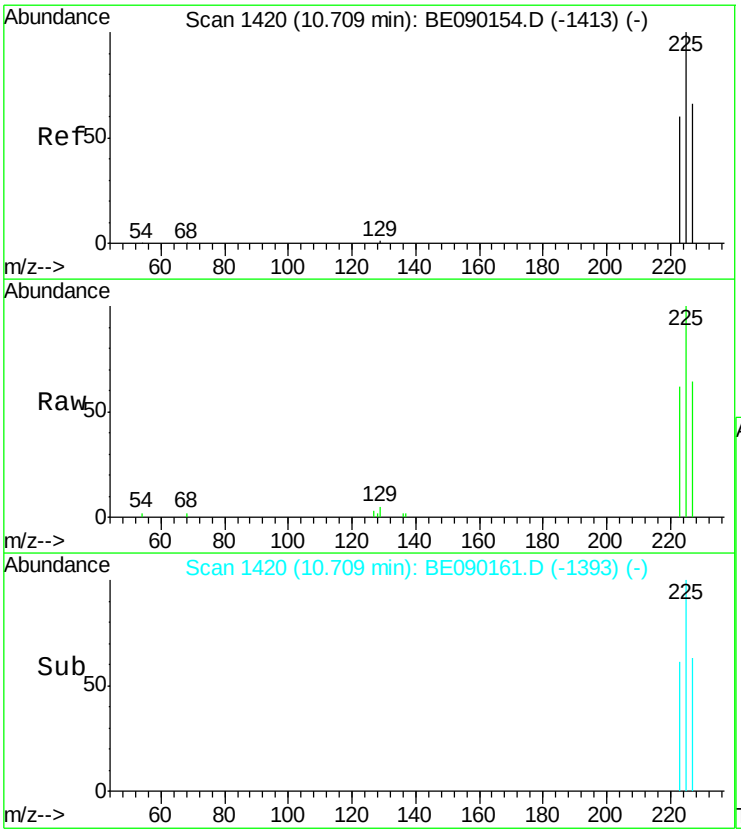
#9
Naphthalene
Concen: 3.32 ng
RT: 10.41 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:128 Resp: 33639

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.6
127	12.9	10.7	16.1

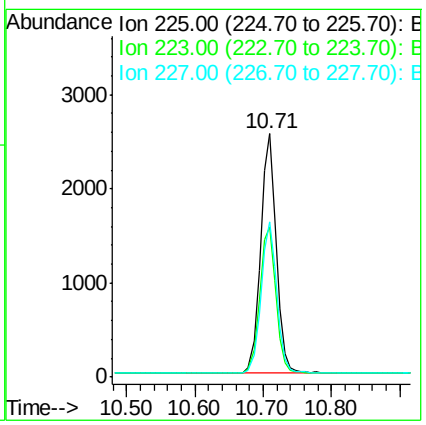


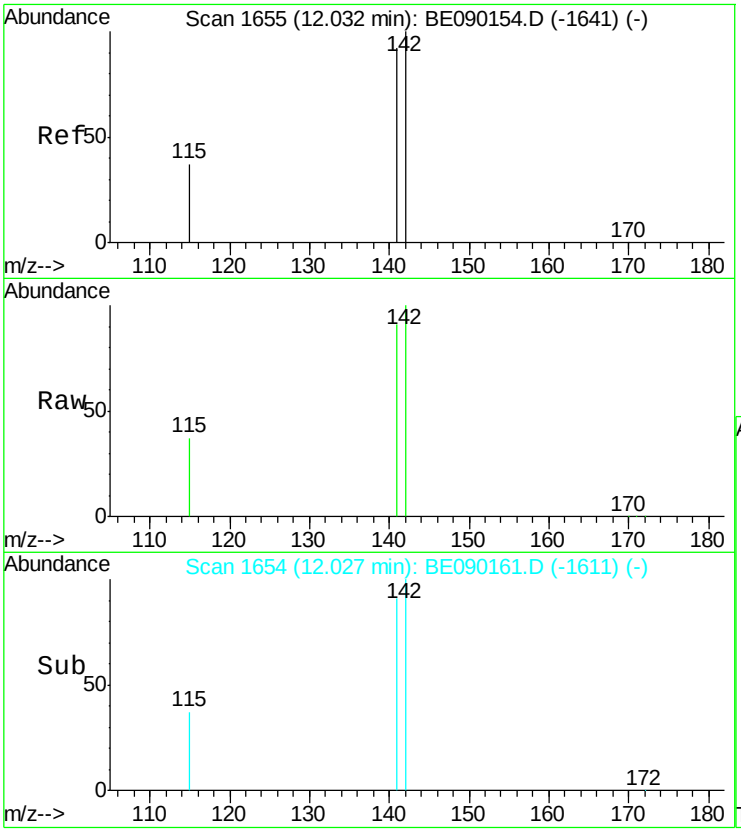


#10
Hexachlorobutadiene
Concen: 3.21 ng
RT: 10.71 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:225 Resp: 4004

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	62.9	51.3	76.9



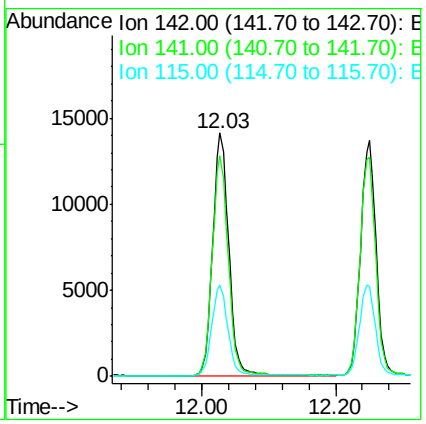


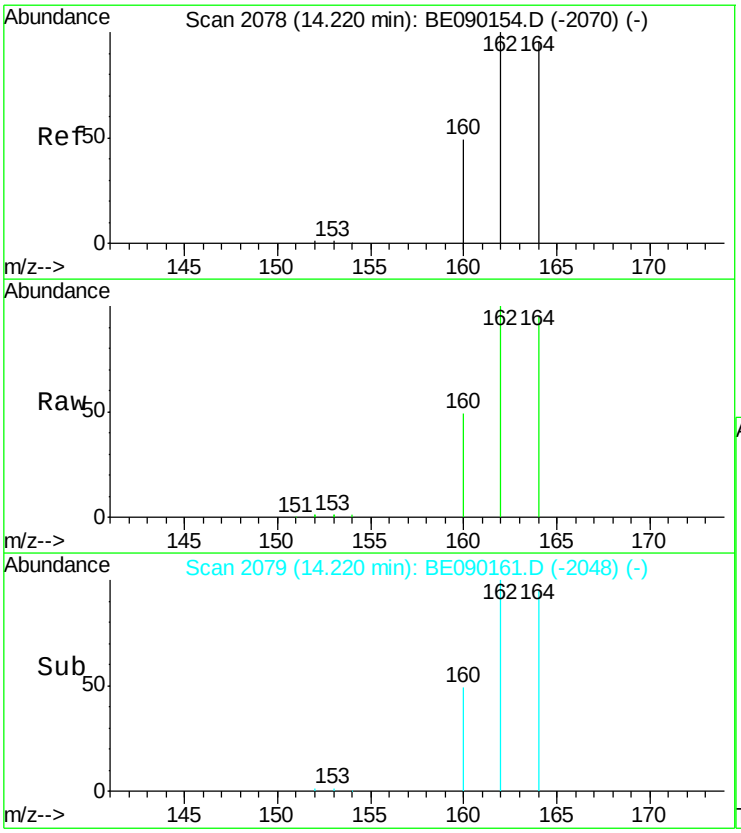
#11
2-Methylnaphthalene
Concen: 3.44 ng
RT: 12.03 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:142 Resp: 23385

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.9	110.9
115	37.4	30.0	45.0

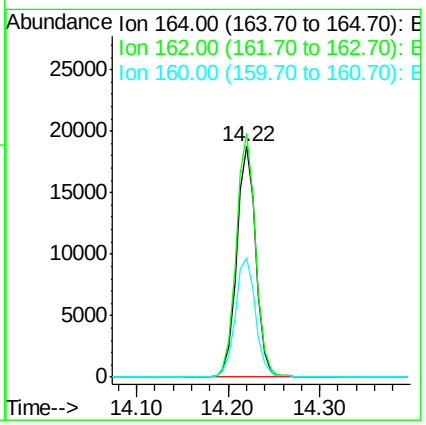


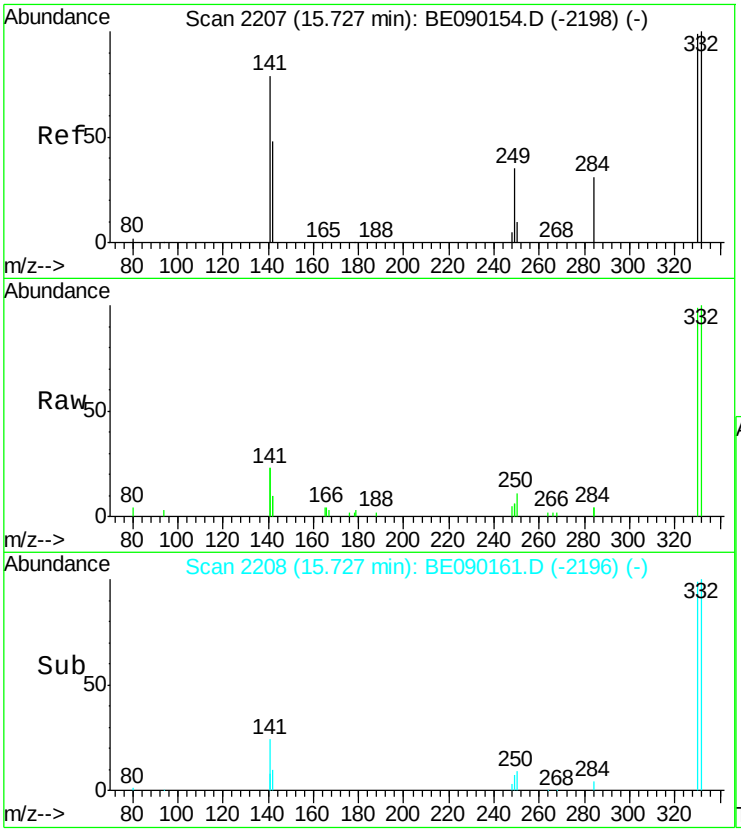


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.22 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:164 Resp: 26697

Ion	Ratio	Lower	Upper
164	100		
162	105.7	83.3	124.9
160	52.0	40.9	61.3



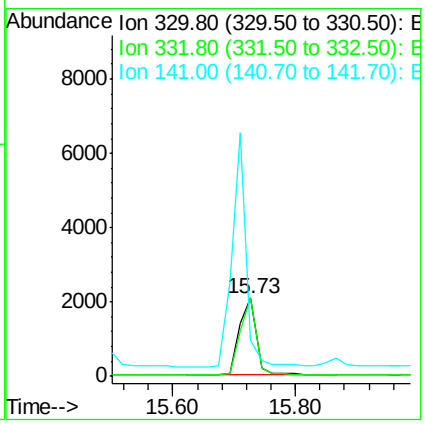


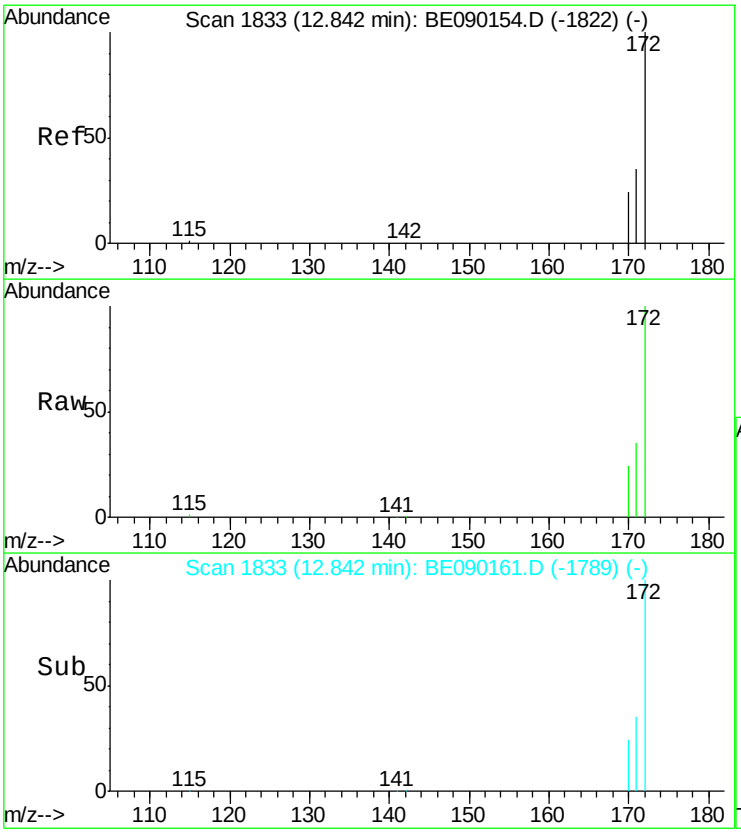
#13
2,4,6-Tribromophenol
Concen: 6.28 ng
RT: 15.73 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:330 Resp: 3960

Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.2	117.2
141	257.7	215.8	323.6

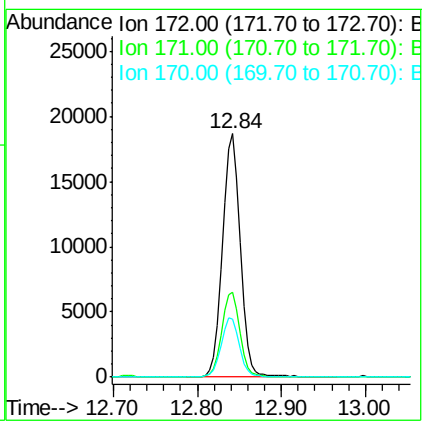


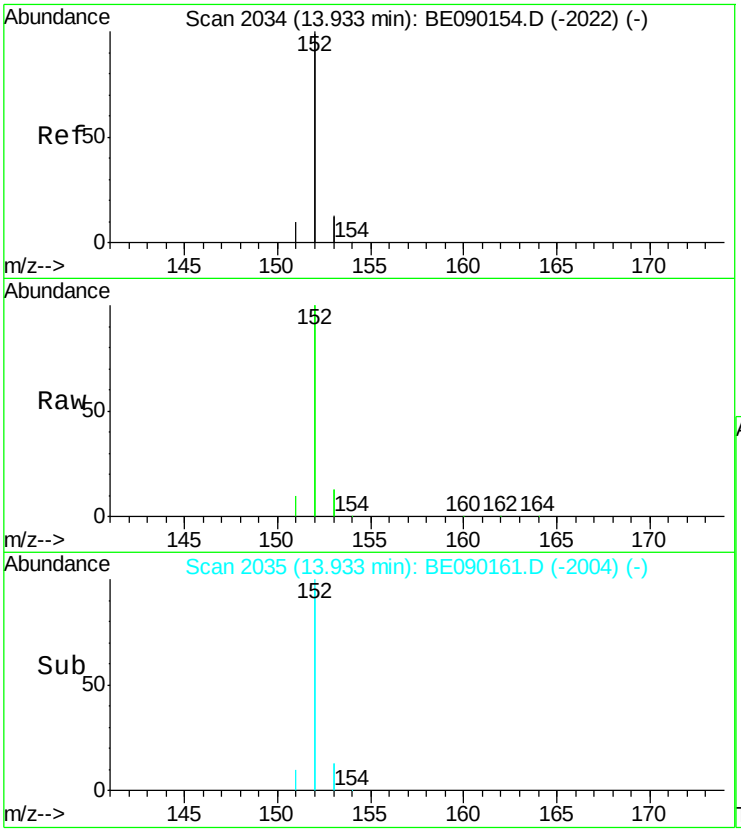


#14
2-Fluorobiphenyl
Concen: 3.45 ng
RT: 12.84 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:172 Resp: 27152

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	23.9	19.7	29.5



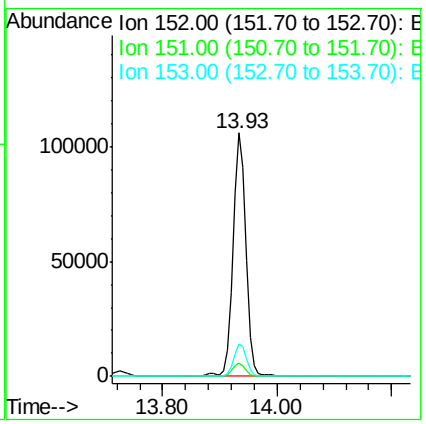


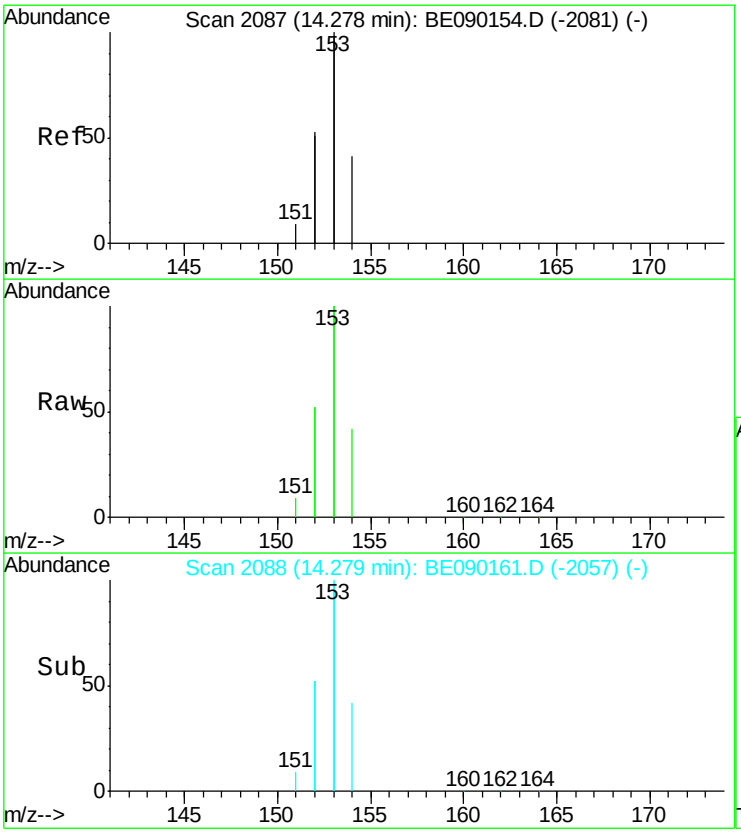
#15
Acenaphthylene
Concen: 3.30 ng
RT: 13.93 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:152 Resp: 158488

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	13.1	10.4	15.6

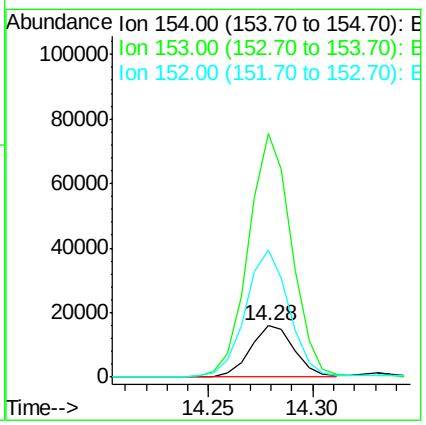


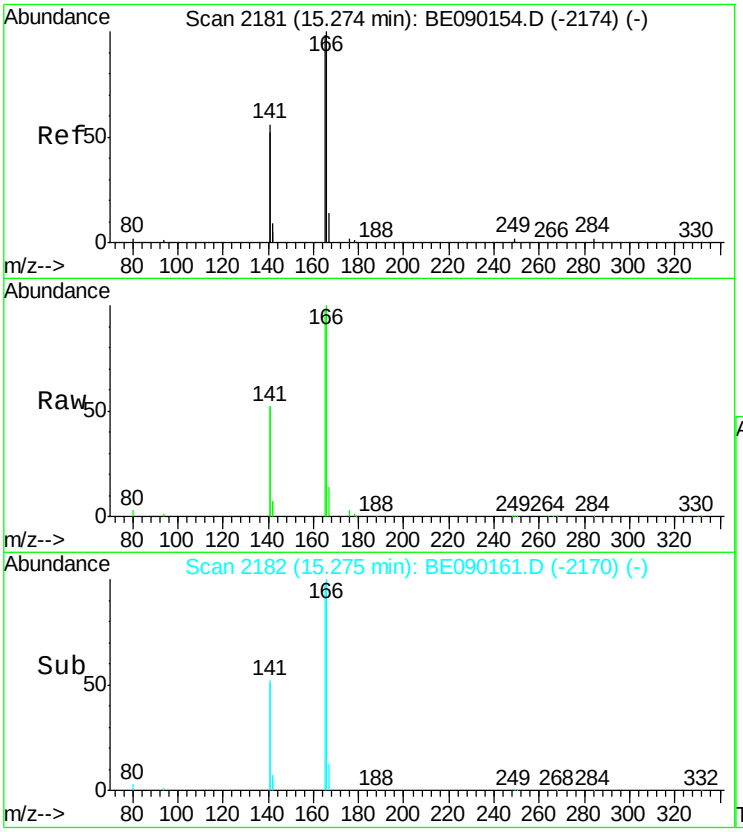


#16
Acenaphthene
Concen: 3.40 ng
RT: 14.28 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:154 Resp: 23030

Ion	Ratio	Lower	Upper
154	100		
153	470.0	376.9	565.3
152	246.2	199.0	298.6



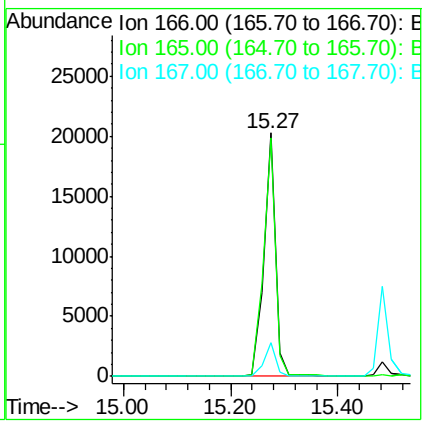


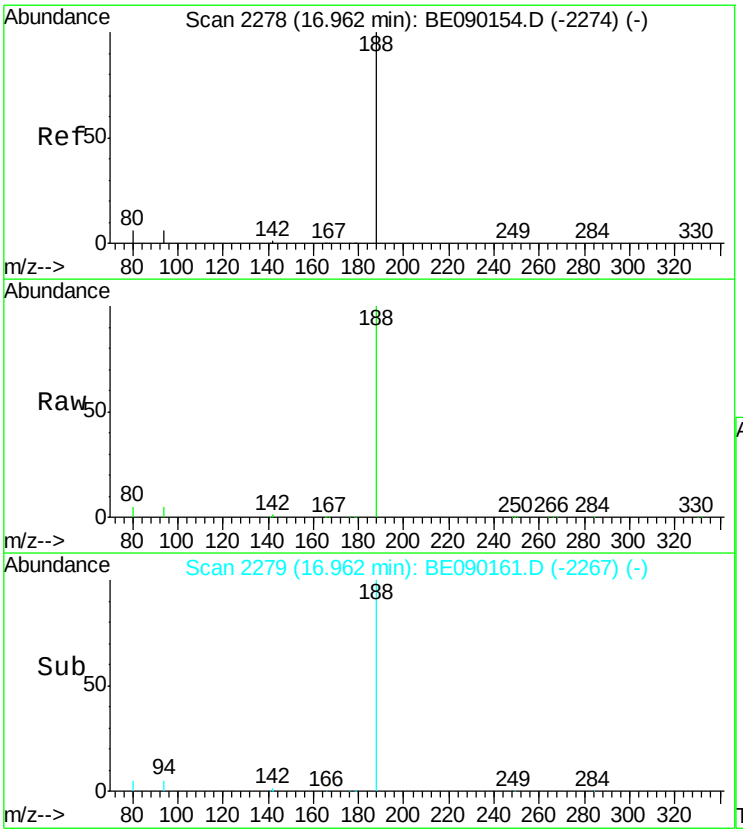
#17
Fluorene
Concen: 3.36 ng
RT: 15.27 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:166 Resp: 30716

Ion	Ratio	Lower	Upper
166	100		
165	100.7	81.5	122.3
167	13.6	11.9	17.9

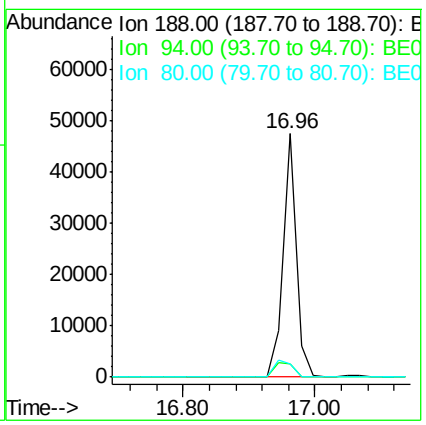


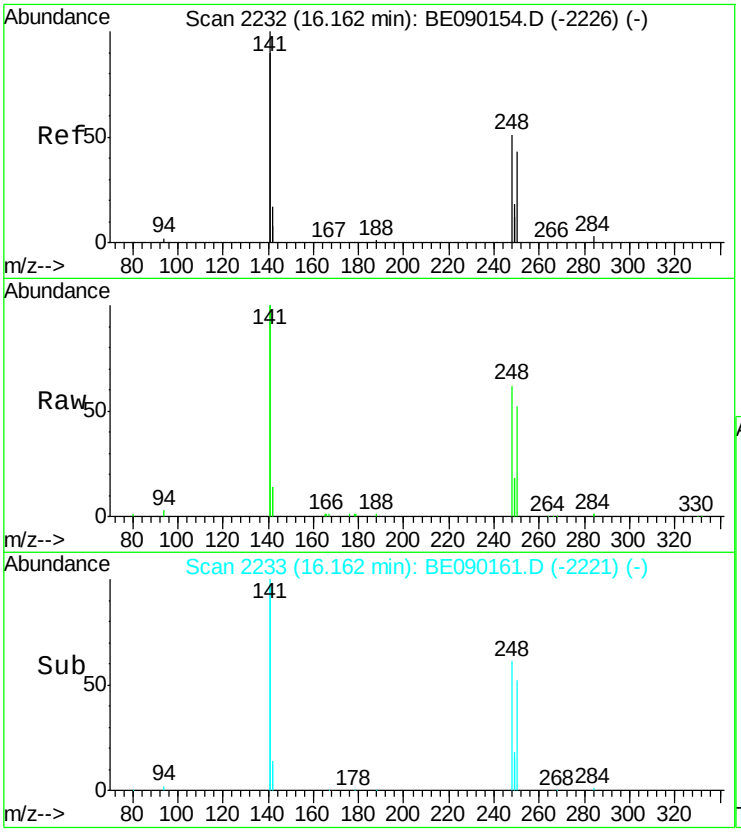


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:188 Resp: 65875

Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.6	7.0
80	5.5	4.6	6.8



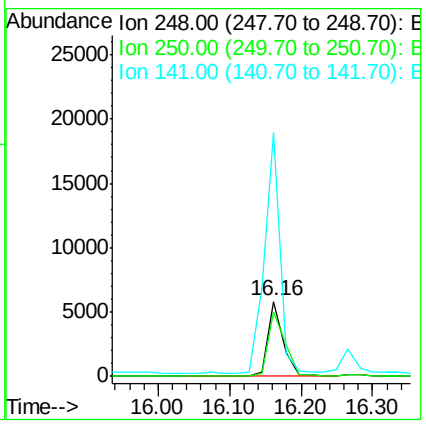


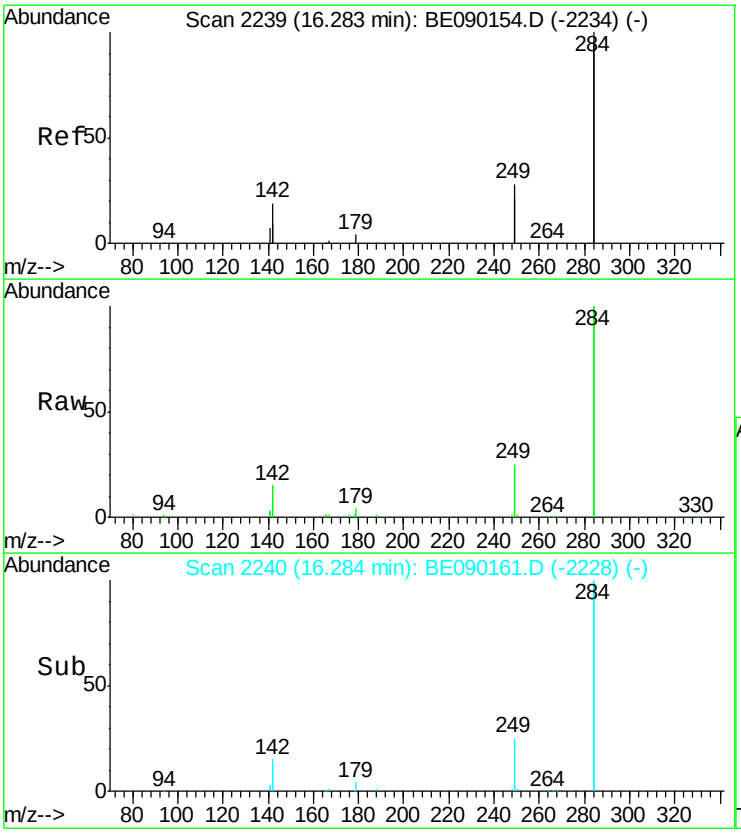
#19
4-Bromophenyl-phenylether
Concen: 3.42 ng
RT: 16.16 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:248 Resp: 8382

Ion	Ratio	Lower	Upper
248	100		
250	95.1	77.4	116.0
141	338.5	281.3	421.9

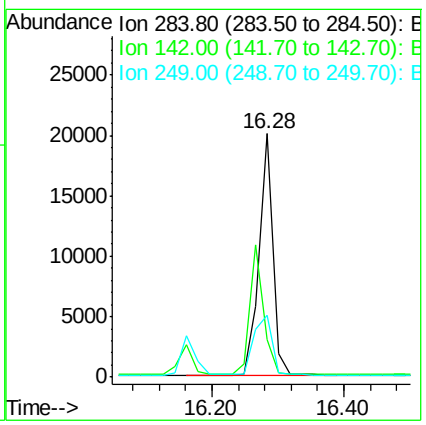


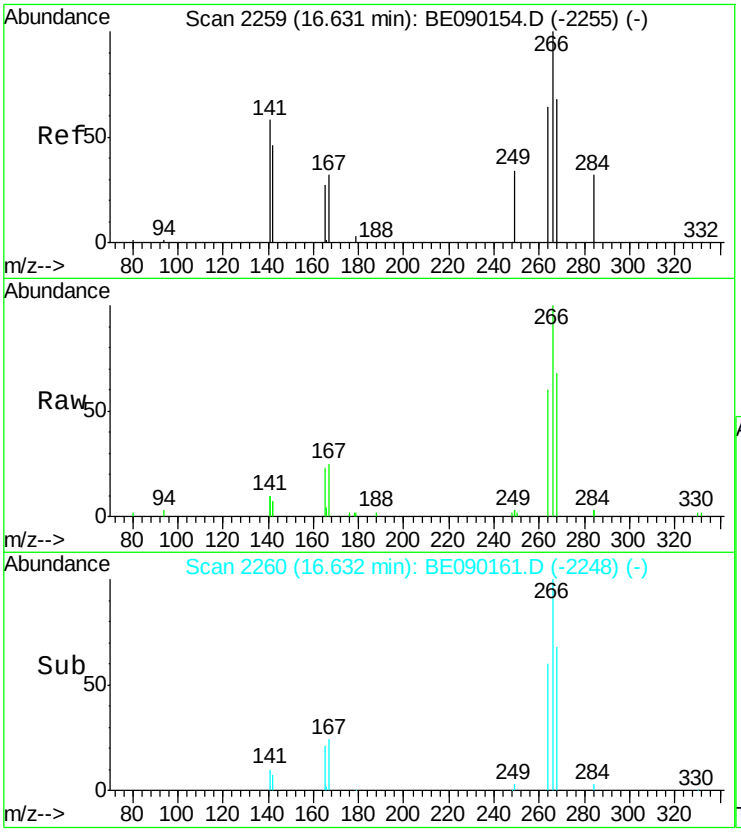


#20
Hexachlorobenzene
Concen: 3.33 ng
RT: 16.28 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:284 Resp: 28887

Ion	Ratio	Lower	Upper
284	100		
142	52.5	42.2	63.2
249	32.4	25.5	38.3



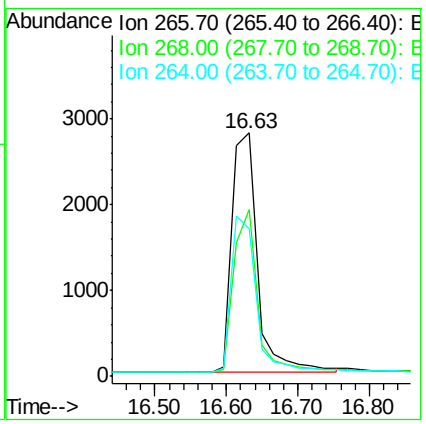


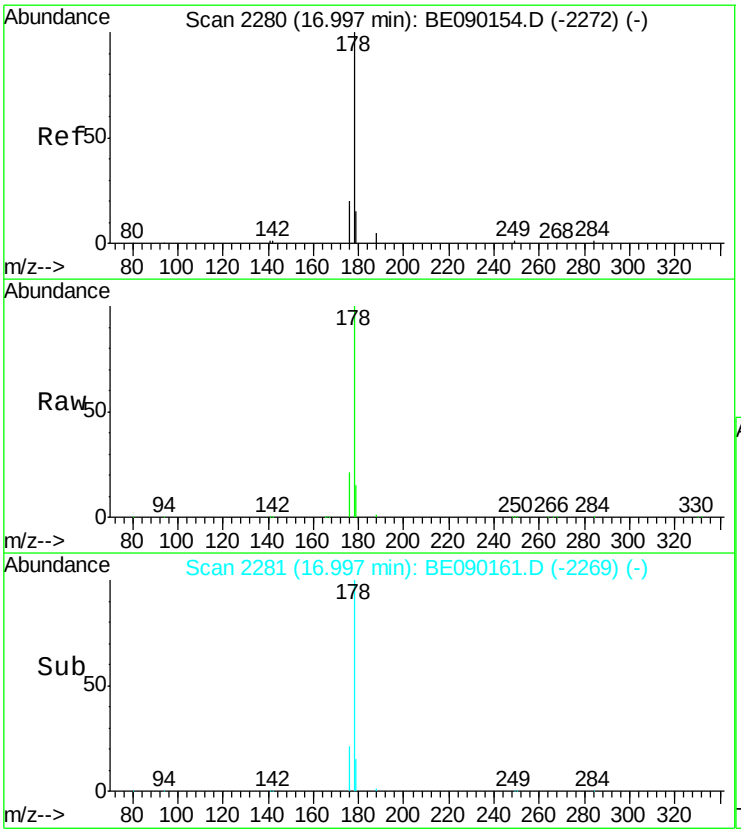
#21
Pentachlorophenol
Concen: 6.14 ng
RT: 16.63 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:266 Resp: 6850

Ion	Ratio	Lower	Upper
266	100		
268	68.5	58.2	87.4
264	60.4	55.0	82.4

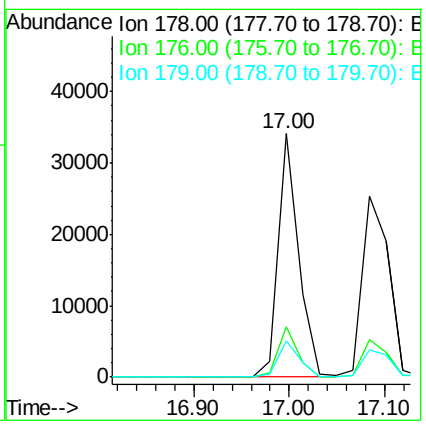


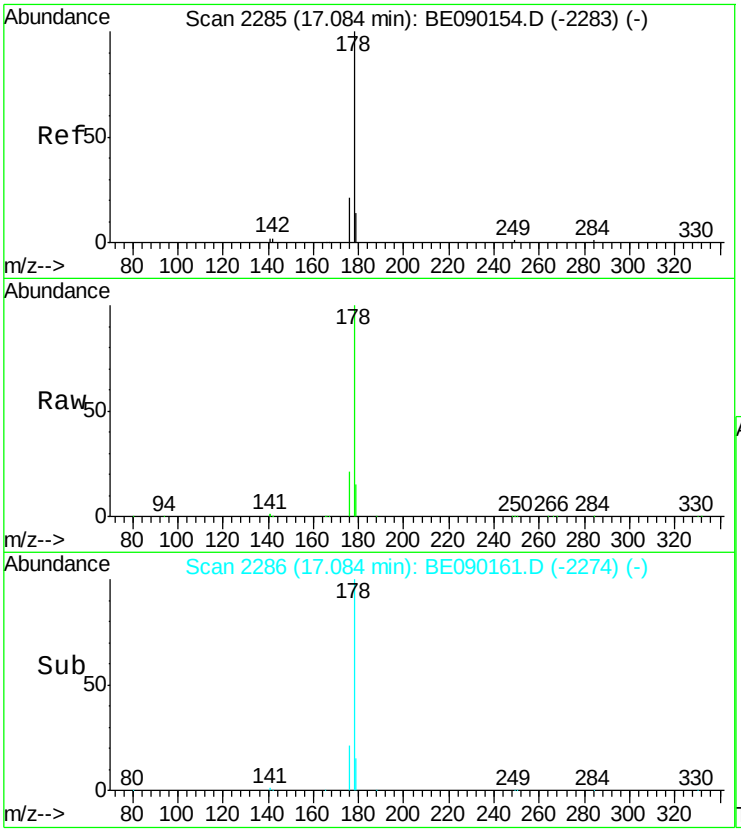


#22
Phenanthrene
Concen: 3.41 ng
RT: 17.00 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:178 Resp: 50421

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	15.3	12.5	18.7



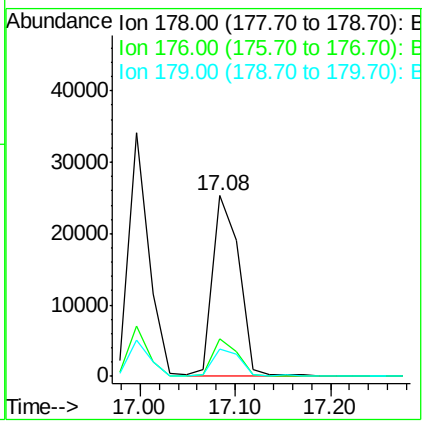


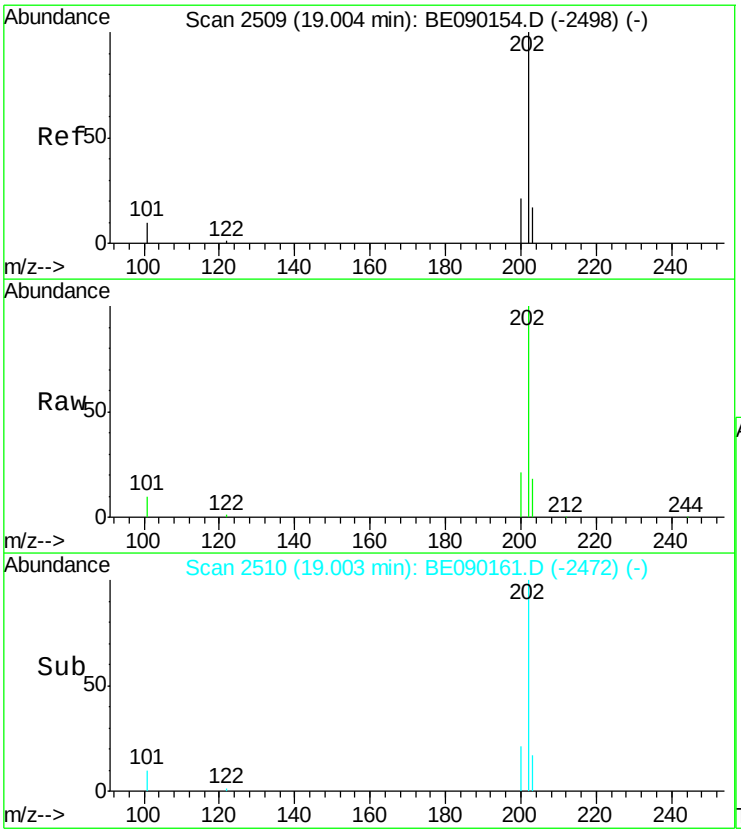
#23
Anthracene
Concen: 3.53 ng
RT: 17.08 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:178 Resp: 48528

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.2	18.2

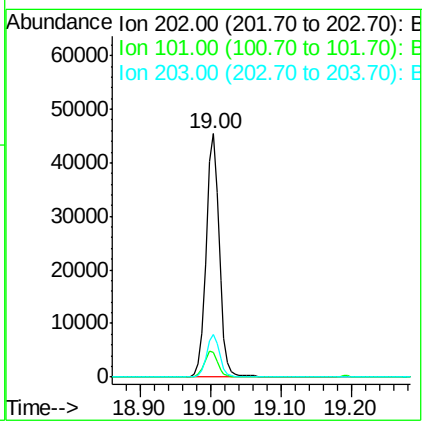


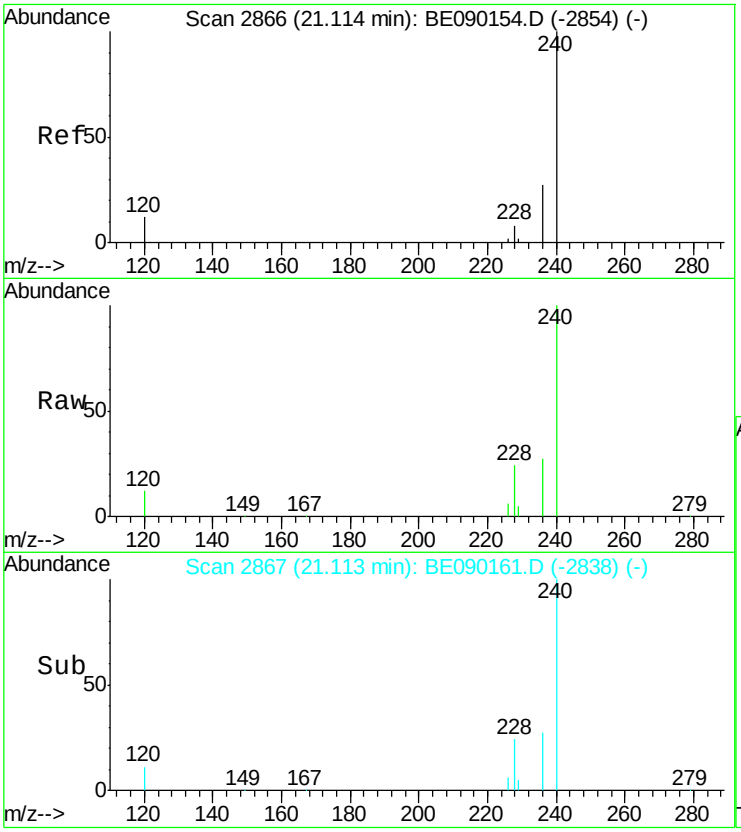


#24
Fluoranthene
Concen: 3.51 ng
RT: 19.00 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:202 Resp: 58236

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.5	12.7
203	17.4	13.9	20.9



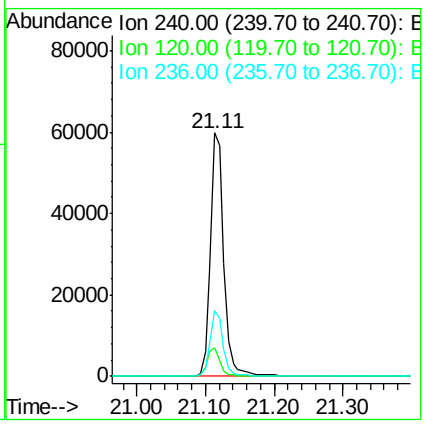


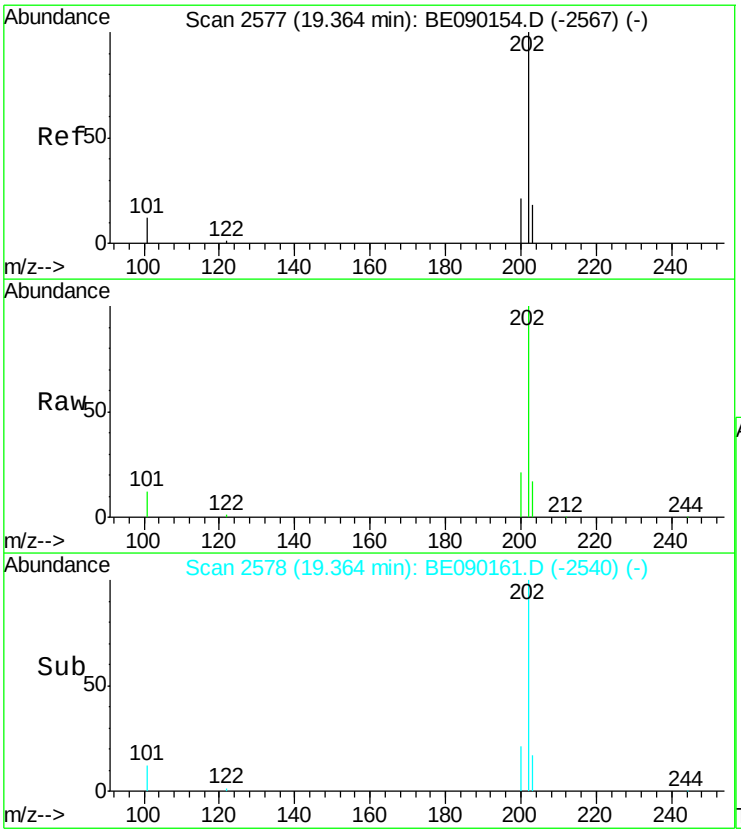
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.11 min Scan# 2867
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:240 Resp: 79529

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.4	14.0
236	27.1	21.8	32.8

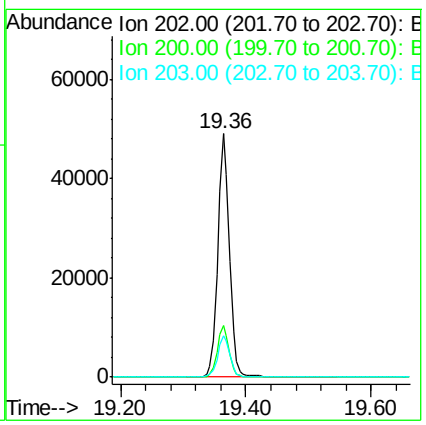


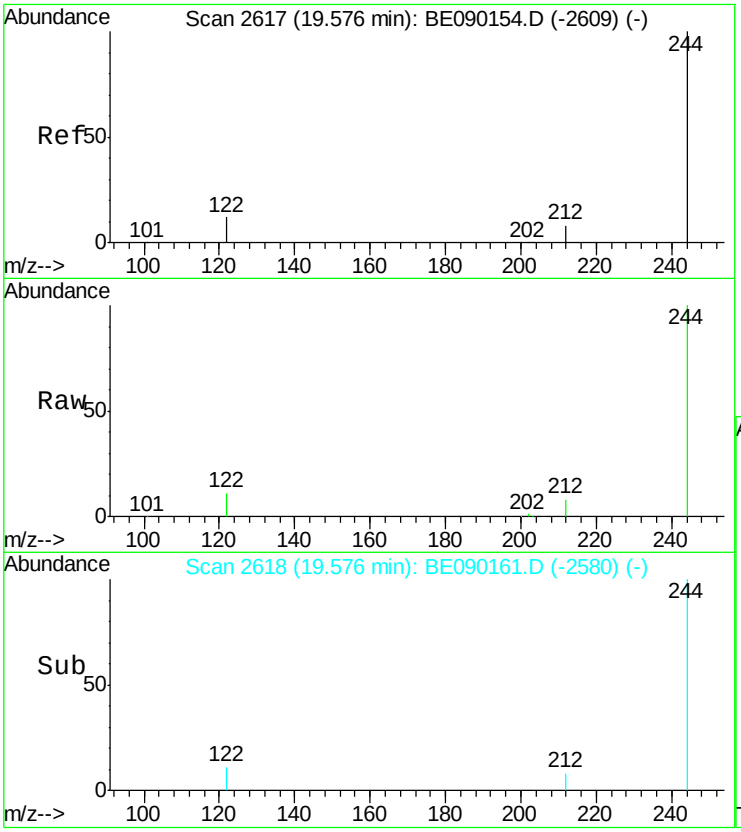


#26
Pyrene
Concen: 3.49 ng
RT: 19.36 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:202 Resp: 62827

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.9	14.1	21.1



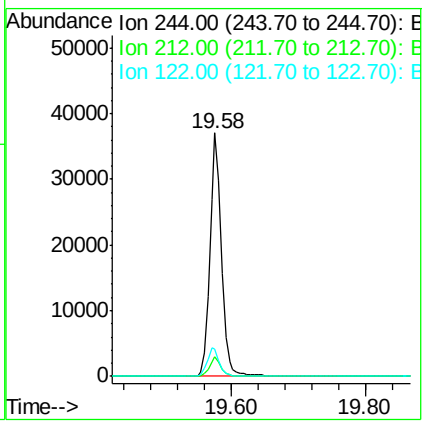


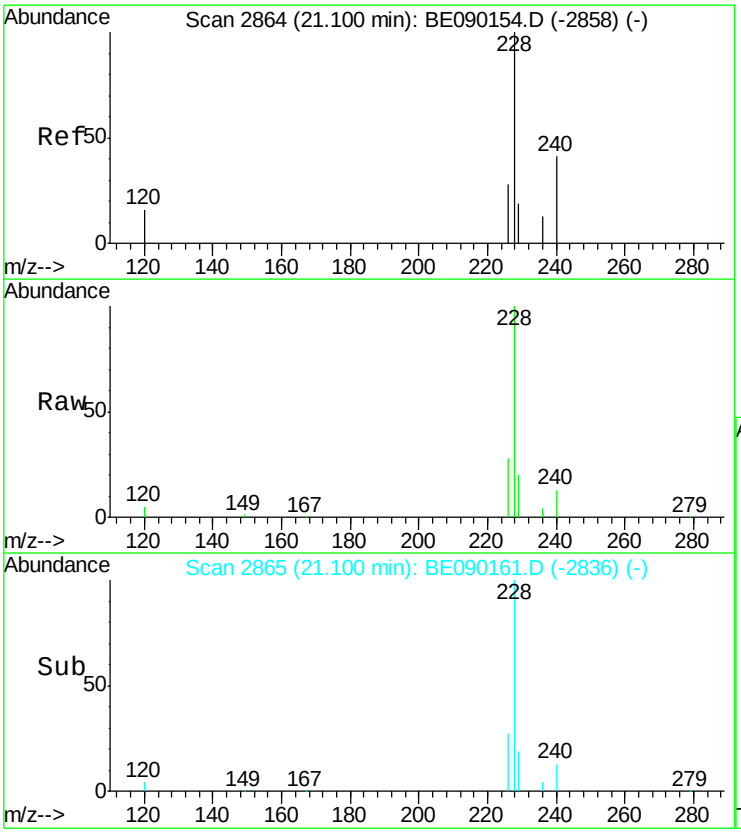
#27
Terphenyl-d14
Concen: 3.30 ng
RT: 19.58 min Scan# 2618
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:244 Resp: 43877

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	11.2	9.8	14.6

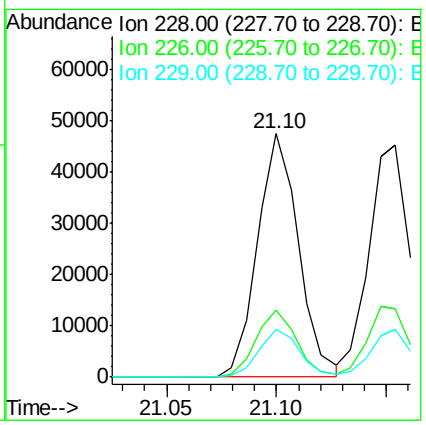


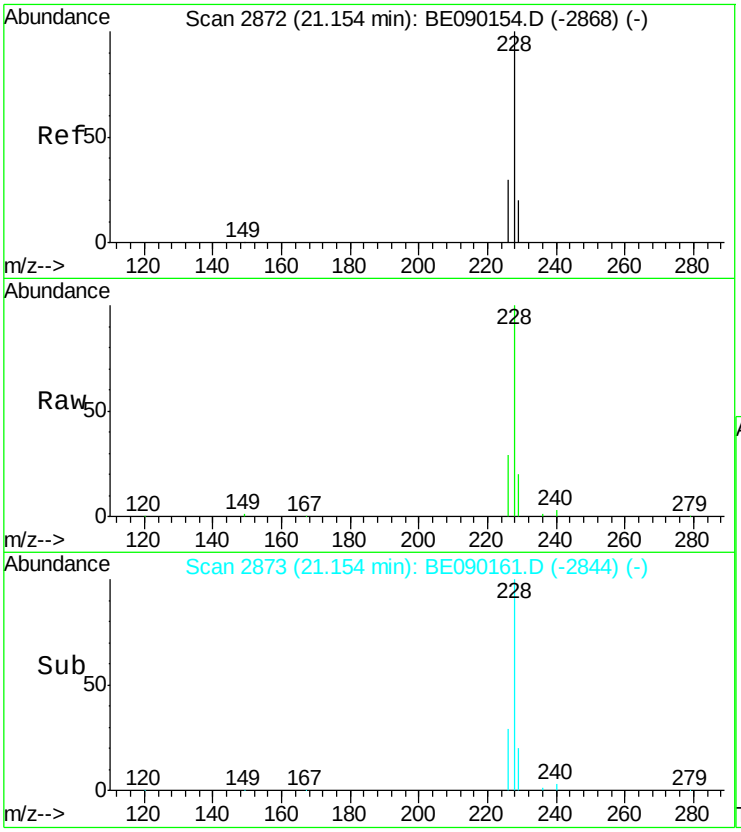


#28
Benzo(a)anthracene
Concen: 3.36 ng
RT: 21.10 min Scan# 2865
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:228 Resp: 61210

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.4
229	19.6	15.7	23.5



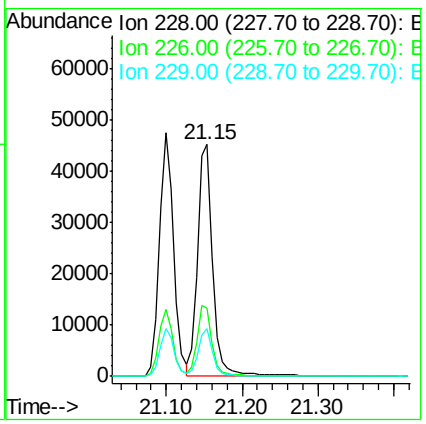


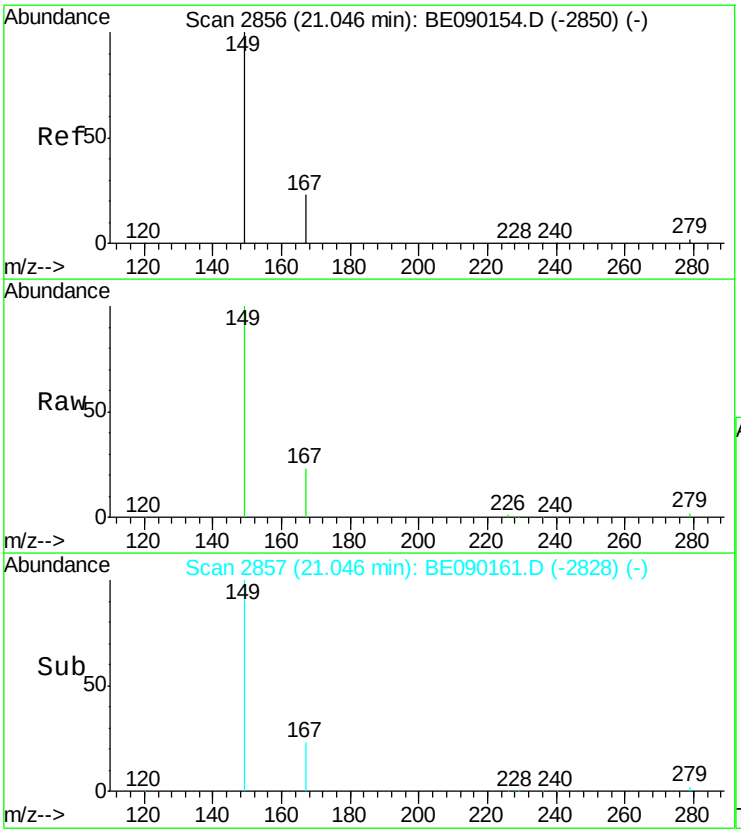
#29
Chrysene
Concen: 3.37 ng
RT: 21.15 min Scan# 2873
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:228 Resp: 62004

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.8
229	20.4	16.5	24.7

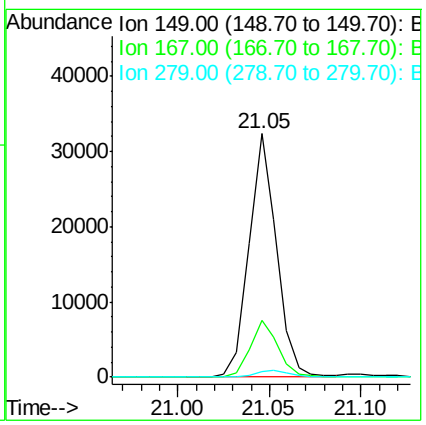


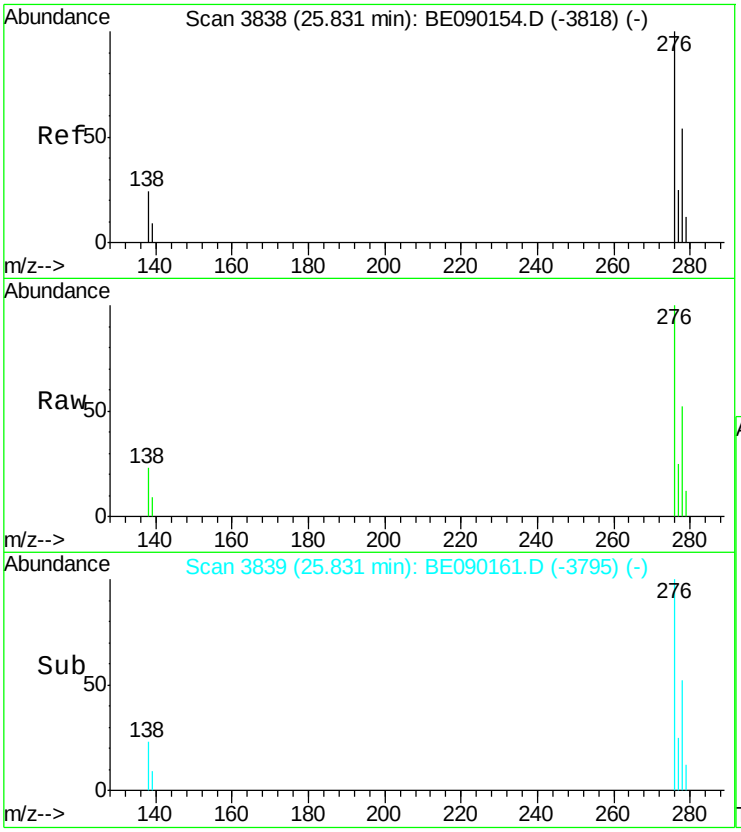


#30
Bis(2-ethylhexyl)phthalate
Concen: 3.60 ng
RT: 21.05 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:149 Resp: 33579

Ion	Ratio	Lower	Upper
149	100		
167	23.3	18.6	28.0
279	2.8	2.2	3.4



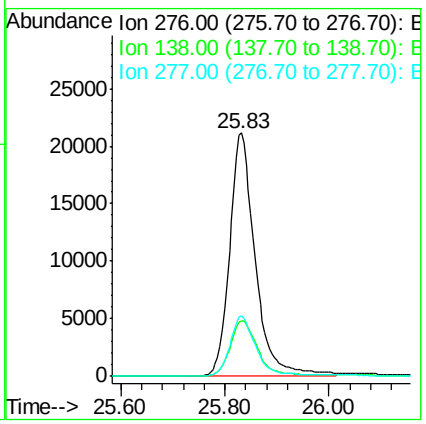


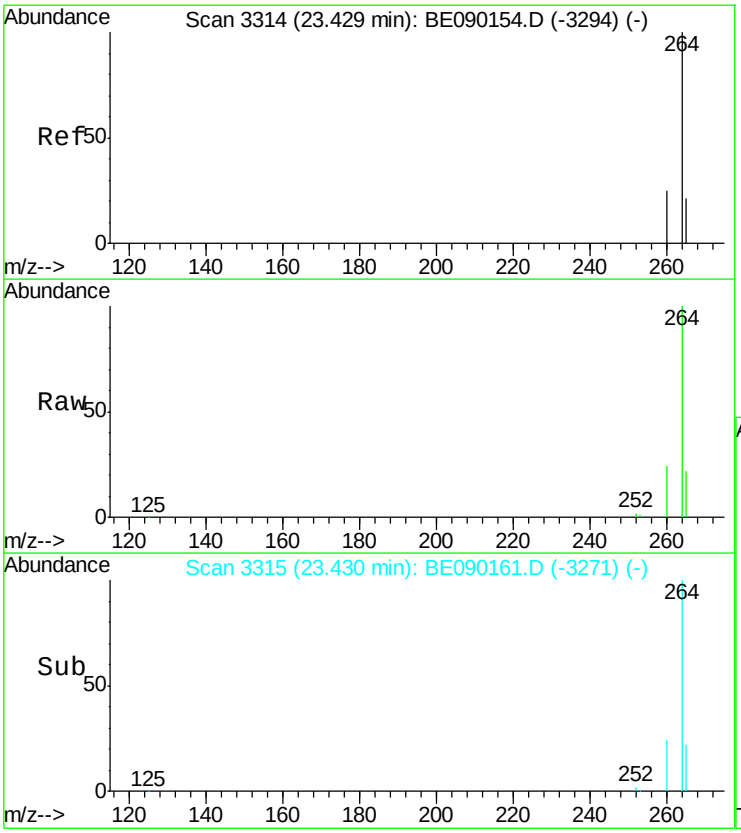
#31
Indeno(1,2,3-cd)pyrene
Concen: 3.33 ng
RT: 25.83 min Scan# 3839
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:276 Resp: 71672

Ion	Ratio	Lower	Upper
276	100		
138	24.6	19.5	29.3
277	24.8	19.8	29.6

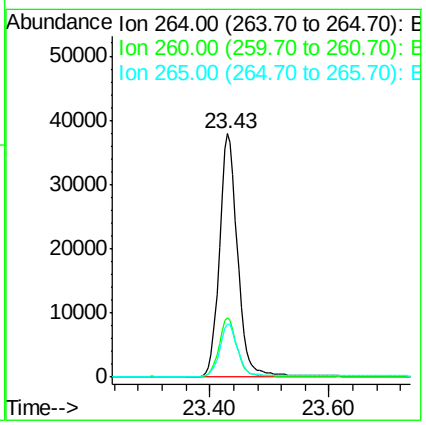


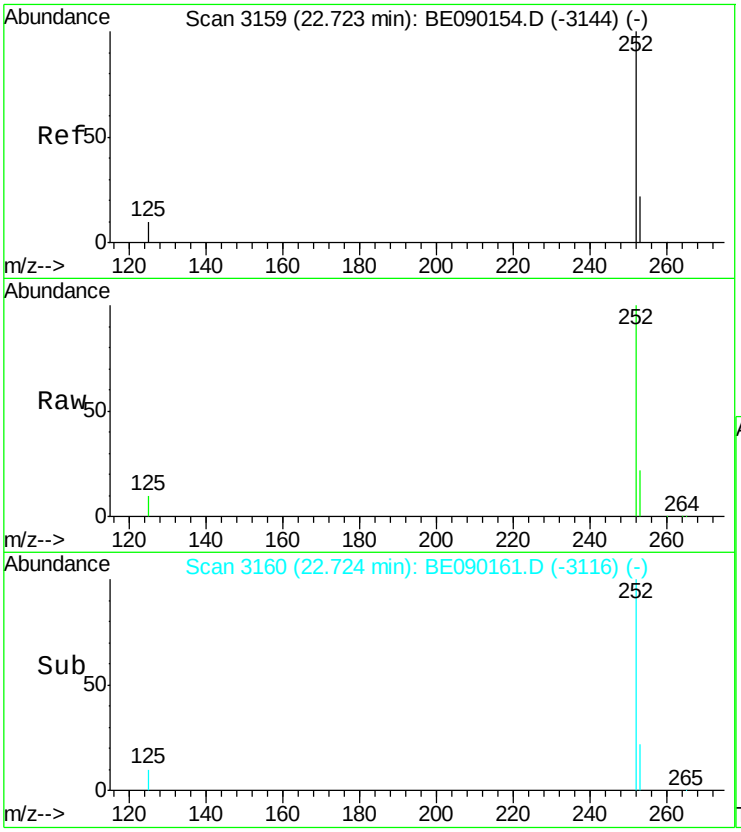


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.43 min Scan# 3315
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:264 Resp: 80306

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	22.0	17.4	26.2



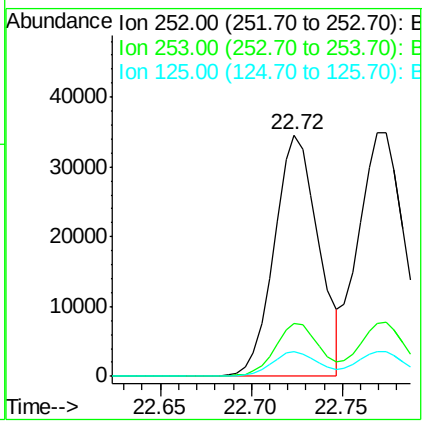


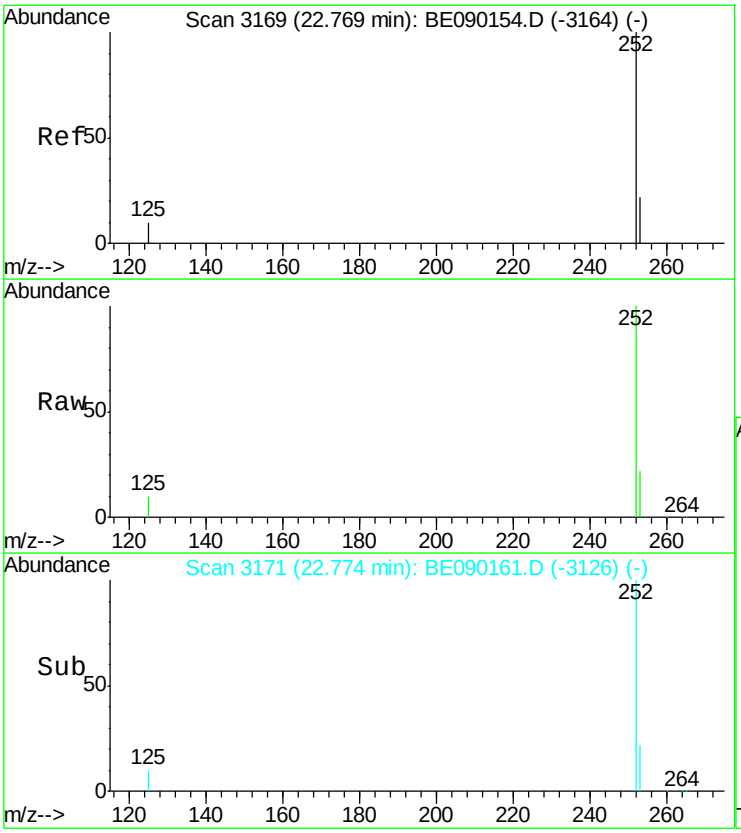
#33
Benzo(b)fluoranthene
Concen: 3.47 ng
RT: 22.72 min Scan# 3160
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:252 Resp: 58192

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	10.3	8.7	13.1

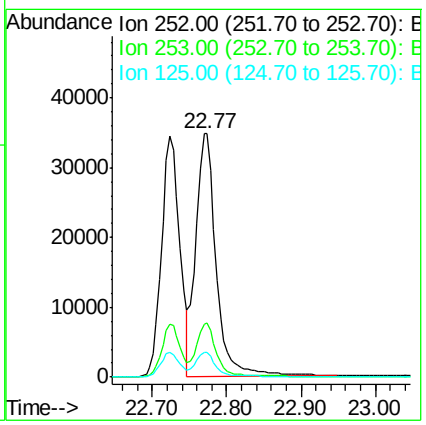


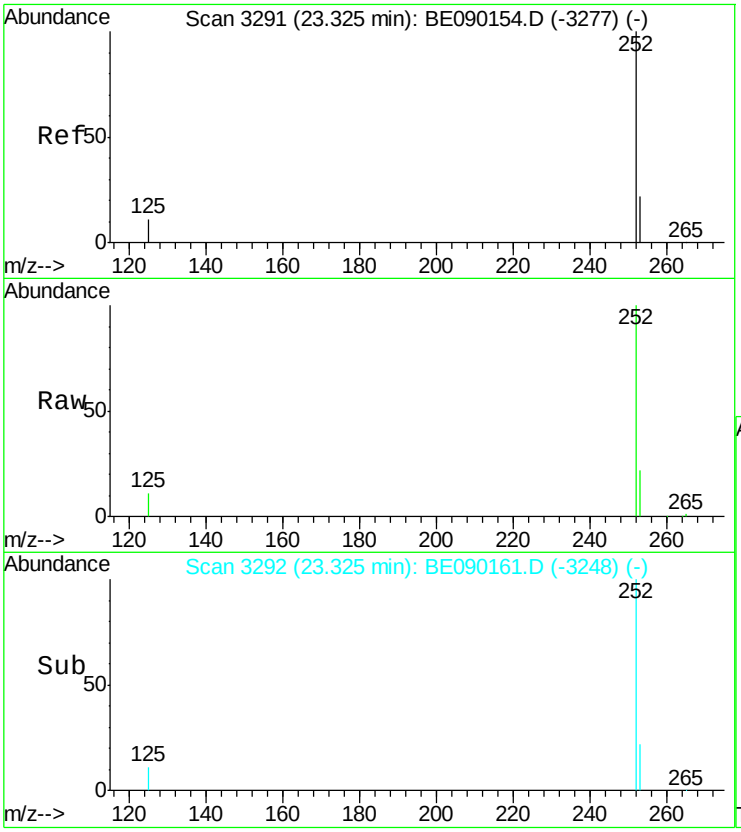


#34
Benzo(k)fluoranthene
Concen: 3.46 ng
RT: 22.77 min Scan# 3171
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:252 Resp: 66312

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	10.3	8.7	13.1



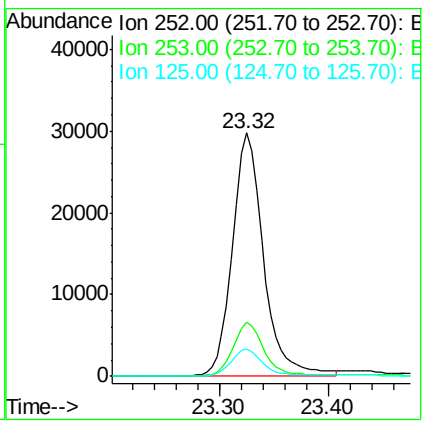


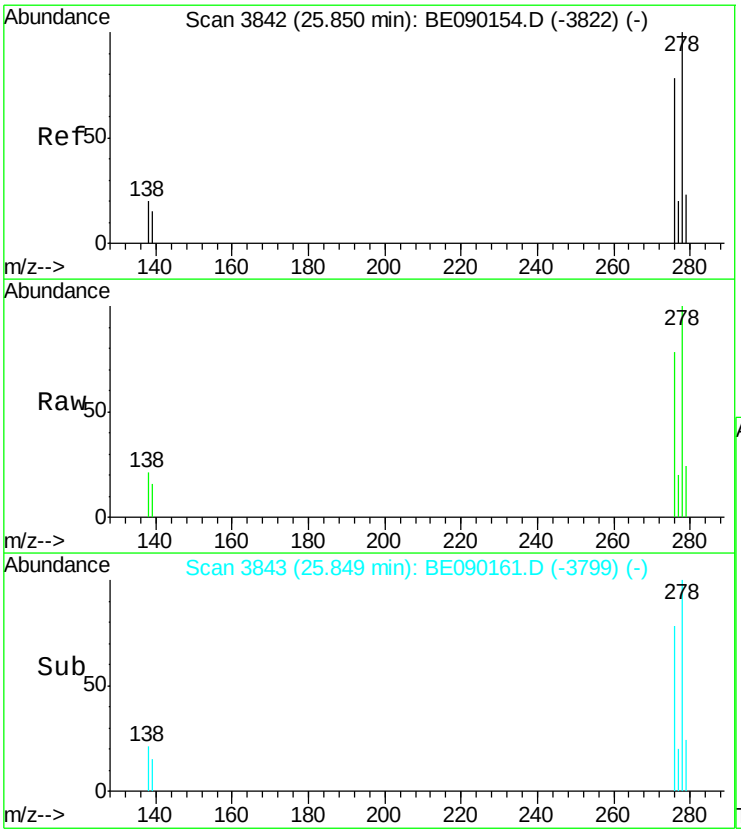
#35
Benzo(a)pyrene
Concen: 3.59 ng
RT: 23.32 min Scan# 3292
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:252 Resp: 58203

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	11.4	9.4	14.0

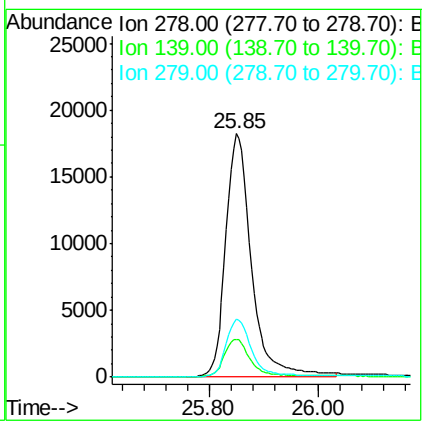


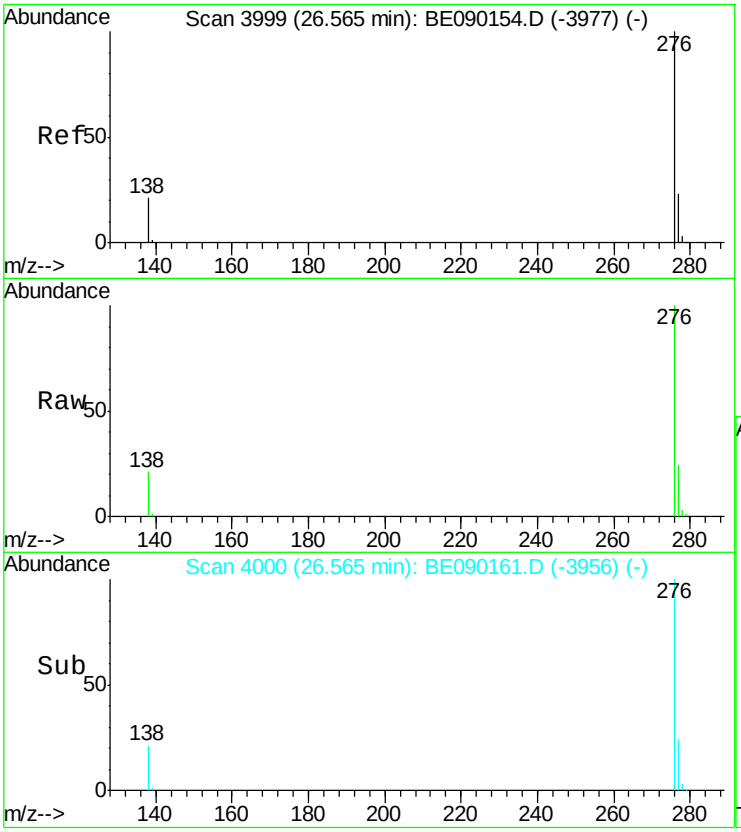


#36
Dibenzo(a,h)anthracene
Concen: 3.44 ng
RT: 25.85 min Scan# 3843
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:278 Resp: 58910

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.9	19.3
279	23.8	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 3.41 ng
RT: 26.56 min Scan# 4000
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:276 Resp: 60359

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	21.0	17.2	25.8