Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082615\
Data File : BE090637.D
Acq On : 26 Aug 2015 15:03
Operator : UM/IZ
Sample : PB85188BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB85188BS

Quant Time: Aug 26 23:49:04 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 26 23:44:39 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	13630	5.00	ng		0.00
6) Naphthalene-d8	10.32	136	64543	5.00	ng		0.00
12) Acenaphthene-d10	14.19	164	37092	5.00	ng		0.00
18) Phenanthrene-d10	16.93	188	91786	5.00	ng		-0.02
25) Chrysene-d12	21.09	240	110033	5.00	ng		0.00
32) Perylene-d12	23.40	264	91536	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.20	112	21154	5.37	ng		0.00
5) Phenol-d6	6.76	99	31607	5.46	ng		-0.01
7) Nitrobenzene-d5	8.72	82	16843	3.27	ng		0.00
13) 2,4,6-Tribromophenol	15.69	330	10154	7.11	ng		-0.02
14) 2-Fluorobiphenyl	12.81	172	35993	3.25	ng		-0.01
27) Terphenyl-d14	19.55	244	62404	3.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	5924	3.82	ng		99
3) n-Nitrosodimethylamine	3.48	42	7543	3.21	ng	#	84
8) Nitrobenzene	8.76	77	16273	3.05	ng		97
9) Naphthalene	10.38	128	43526	2.97	ng		98
10) Hexachlorobutadiene	10.67	225	6674	3.10	ng		99
11) 2-Methylnaphthalene	12.00	142	29081	3.04	ng		98
15) Acenaphthylene	13.91	152	203048	3.00	ng		100
16) Acenaphthene	14.25	154	30775	3.02	ng		86
17) Fluorene	15.24	166	43679	3.50	ng		97
19) 4-Bromophenyl-phenylether	16.14	248	11417	3.04	ng	#	76
20) Hexachlorobenzene	16.25	284	54159	3.26	ng		97
21) Pentachlorophenol	16.60	266	9073	4.58	ng		93
22) Phenanthrene	16.98	178	76953	3.19	ng		100
23) Anthracene	17.07	178	74782	3.37	ng		100
24) Fluoranthene	18.98	202	86558	3.38	ng		99
26) Pyrene	19.34	202	94634	3.01	ng		99
28) Benzo(a)anthracene	21.07	228	84241	2.91	ng		99
29) Chrysene	21.13	228	92240	3.12	ng		99
30) Bis(2-ethylhexyl)phthalate	21.02	149	31202	1.89	ng		99
31) Indeno(1,2,3-cd)pyrene	25.78	276	74460	2.67	ng	#	92
33) Benzo(b)fluoranthene	22.70	252	71634	3.30	ng		99
34) Benzo(k)fluoranthene	22.74	252	84354	3.43	ng		99
35) Benzo(a)pyrene	23.29	252	70576	3.48	ng		98
36) Dibenzo(a,h)anthracene	25.81	278	58666	3.00	ng		97
37) Benzo(g,h,i)perylene	26.52	276	66244	3.10	ng		96

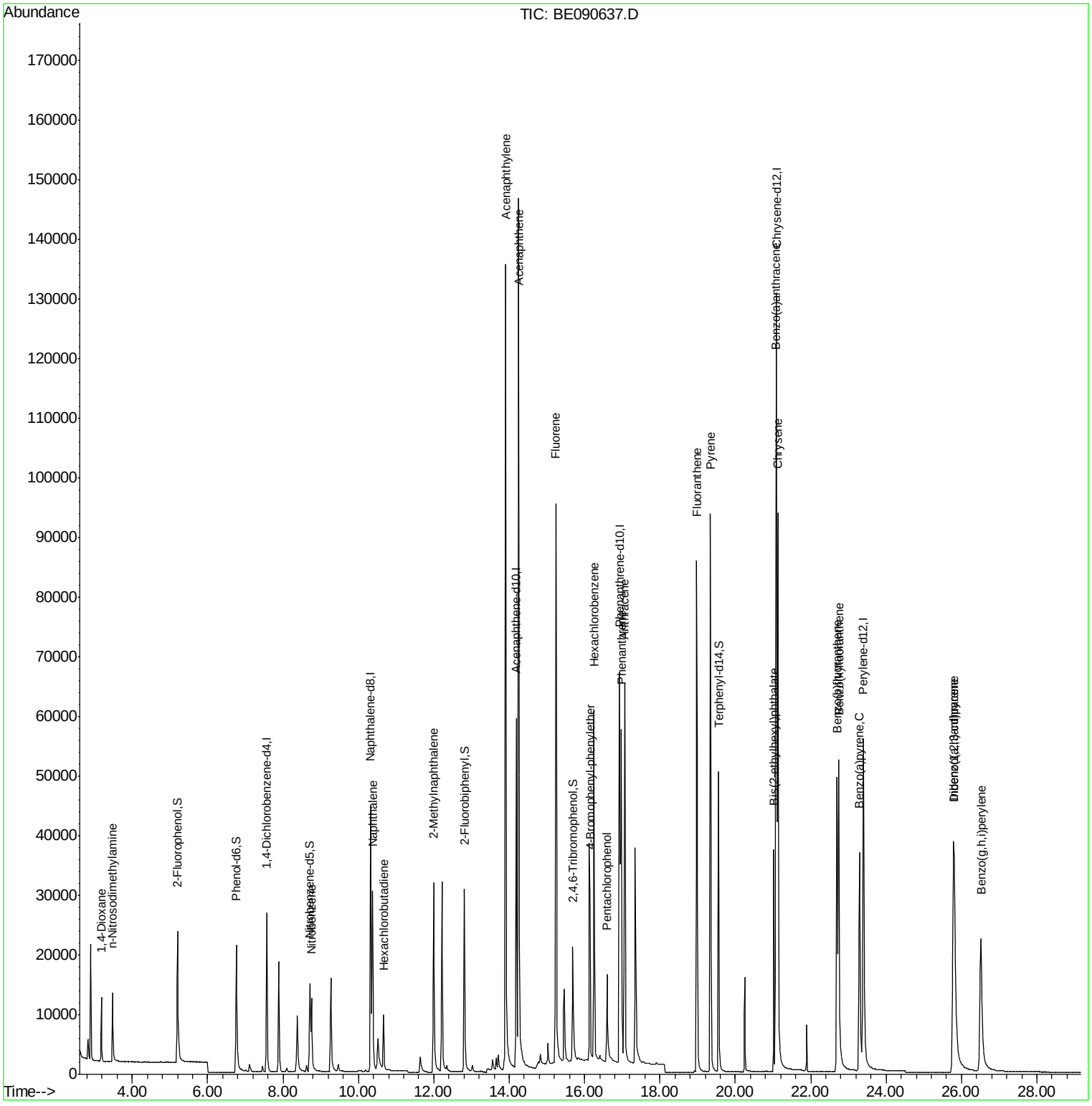
(#) = qualifier out of range (m) = manual integration (+) = signals summed

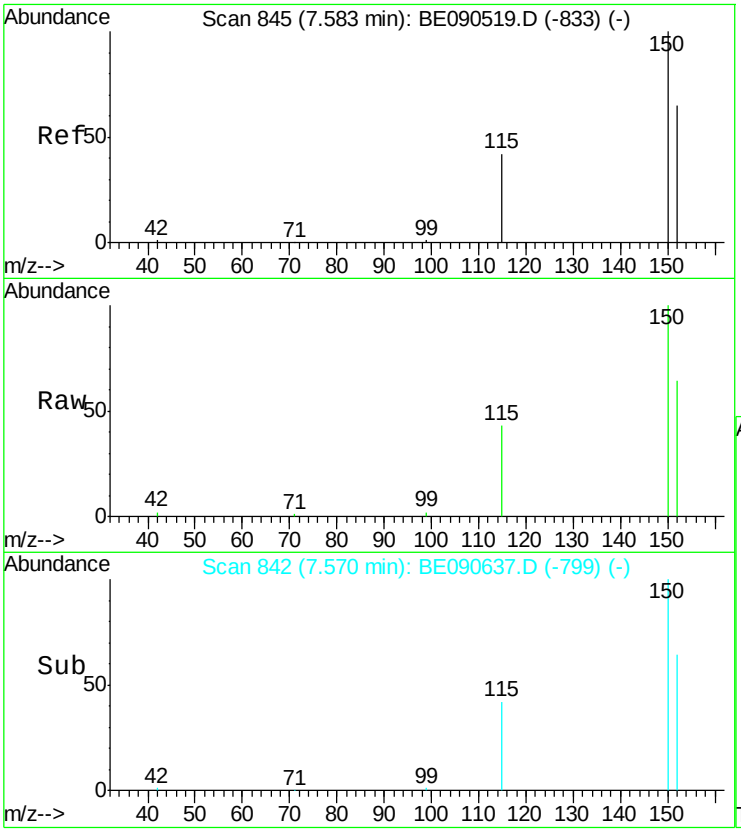
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082615\
Data File : BE090637.D
Acq On : 26 Aug 2015 15:03
Operator : UM/IZ
Sample : PB85188BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Quant Time: Aug 26 23:49:04 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 26 23:44:39 2015
Response via : Initial Calibration



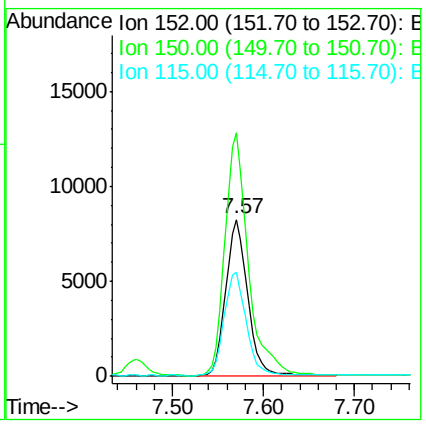


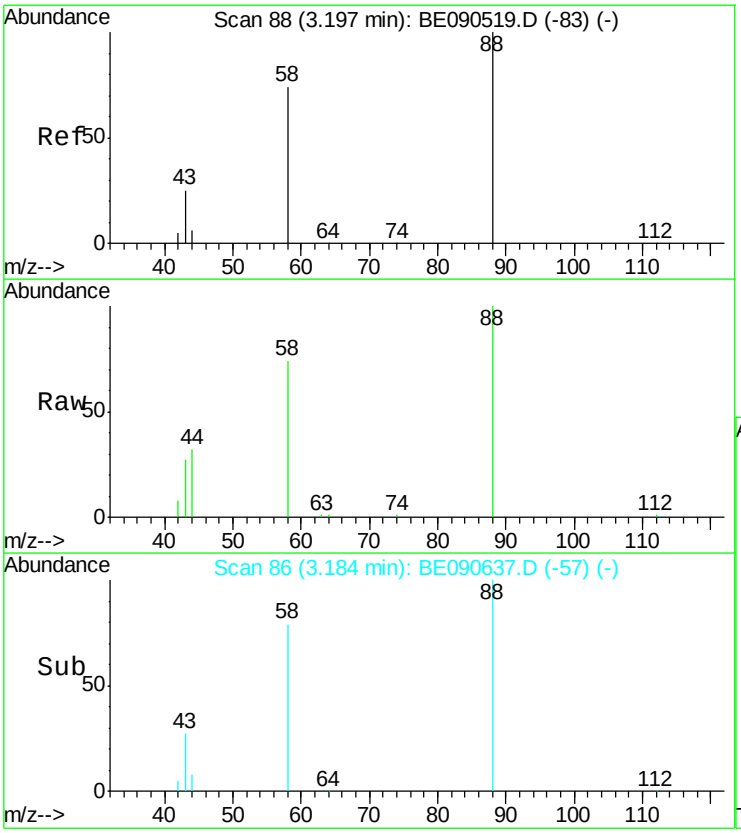
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.57 min Scan# 842
Delta R.T. -0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:152 Resp: 13630

Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.0	184.4
115	66.3	48.9	73.3

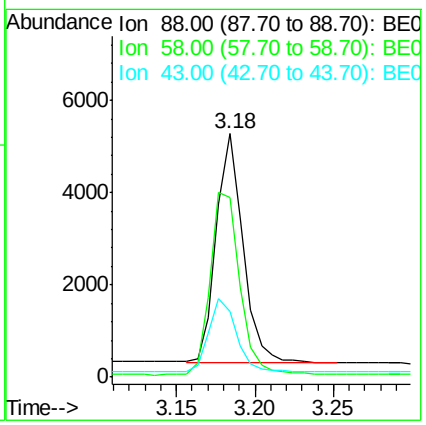


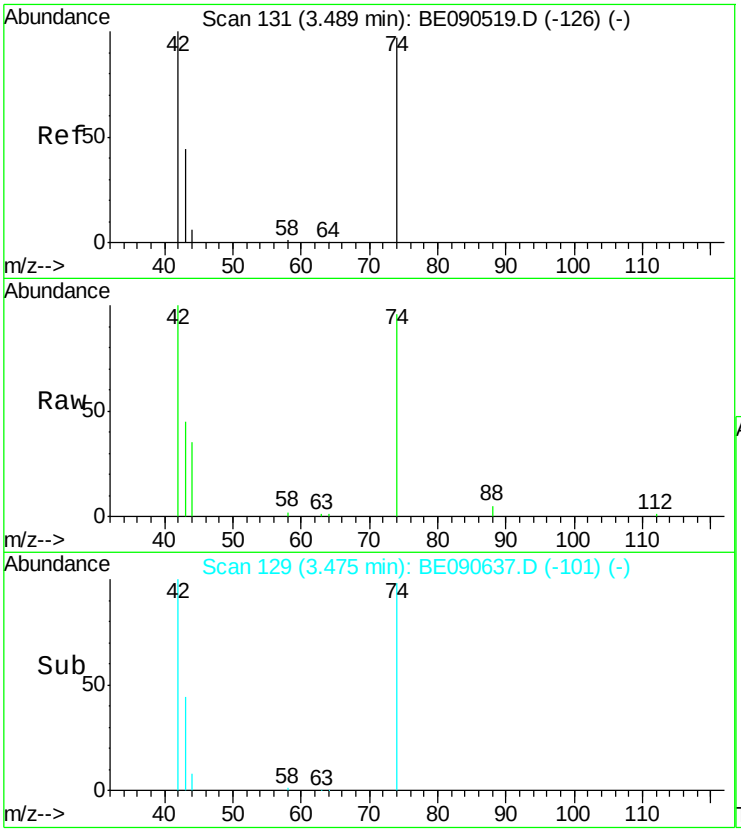


#2
1,4-Dioxane
Concen: 3.82 ng
RT: 3.18 min Scan# 86
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion: 88 Resp: 5924

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.0	105.0
43	33.6	28.4	42.6



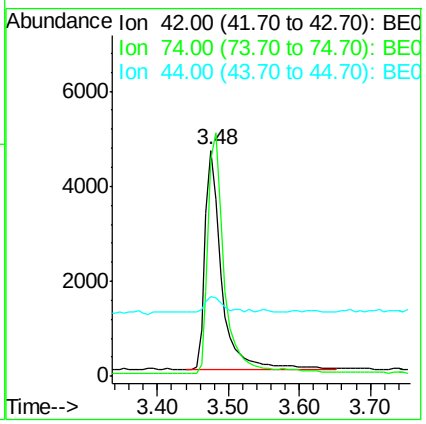


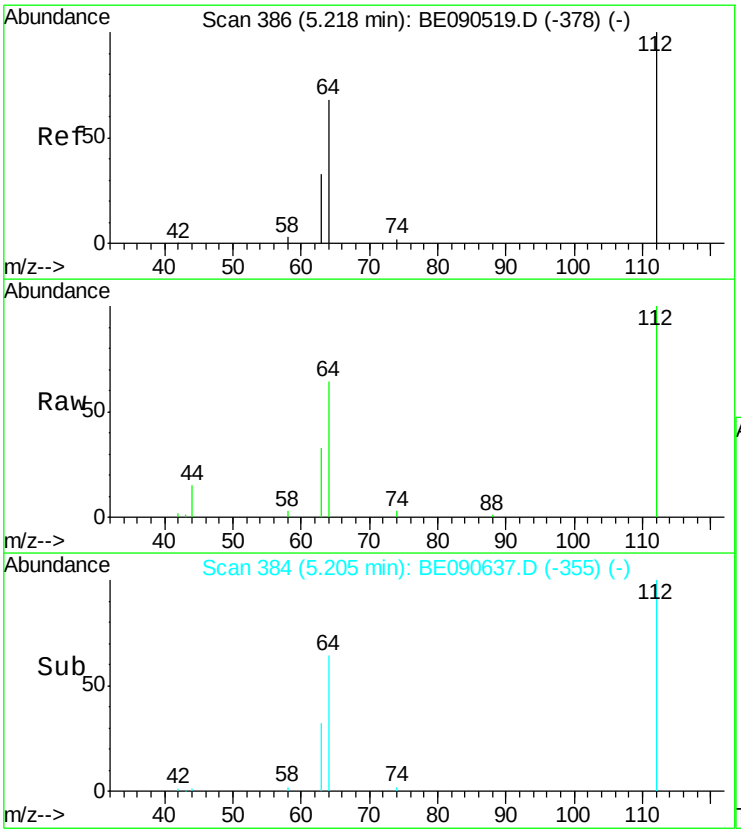
#3
n-Nitrosodimethylamine
Concen: 3.21 ng
RT: 3.48 min Scan# 129
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion: 42 Resp: 7543

Ion	Ratio	Lower	Upper
42	100		
74	110.8	75.2	112.8
44	8.6	8.7	13.1#

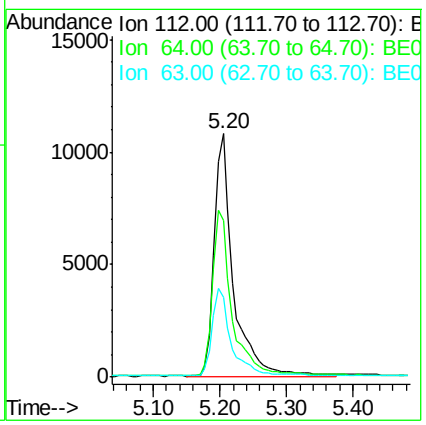


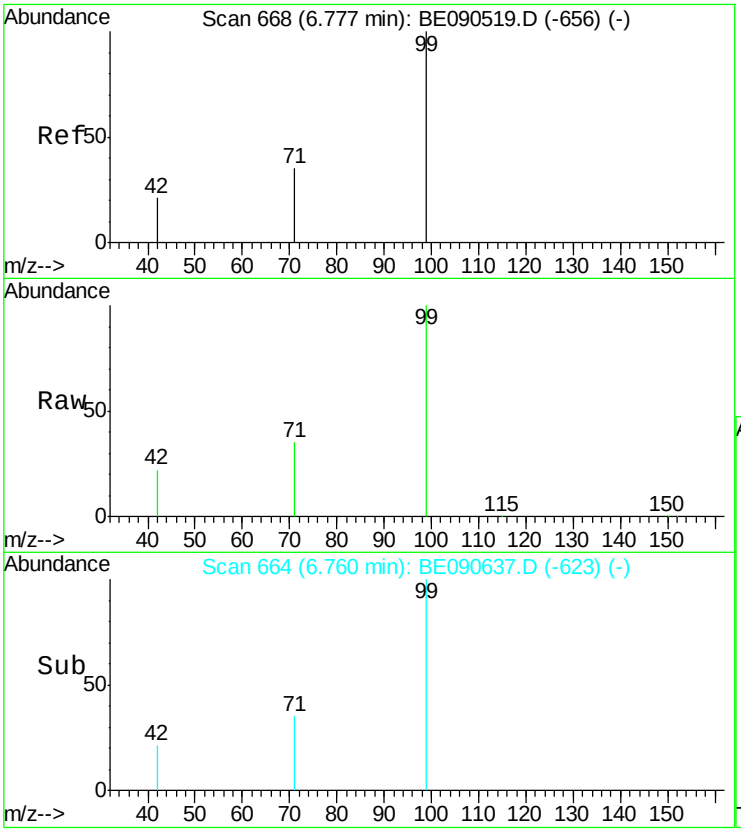


#4
2-Fluorophenol
Concen: 5.37 ng
RT: 5.20 min Scan# 384
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:112 Resp: 21154

Ion	Ratio	Lower	Upper
112	100		
64	70.5	37.1	55.7#
63	36.5	19.5	29.3#



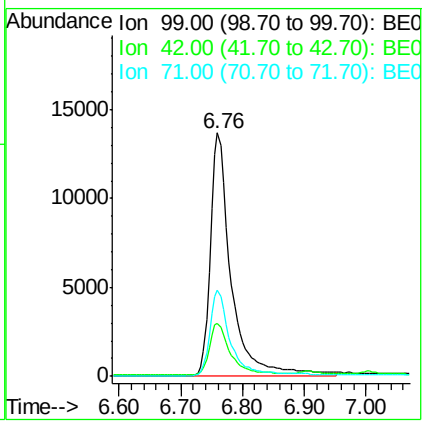


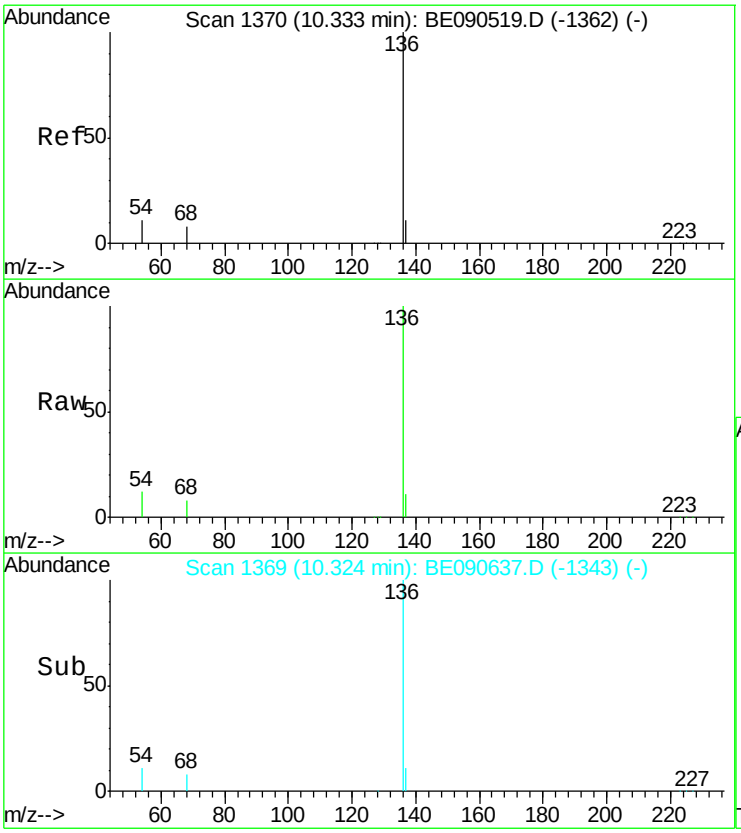
#5
Phenol-d6
Concen: 5.46 ng
RT: 6.76 min Scan# 664
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion: 99 Resp: 31607

Ion	Ratio	Lower	Upper
99	100		
42	21.2	18.2	27.4
71	34.5	27.4	41.0

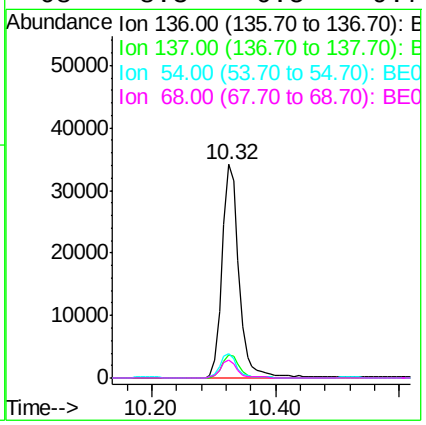


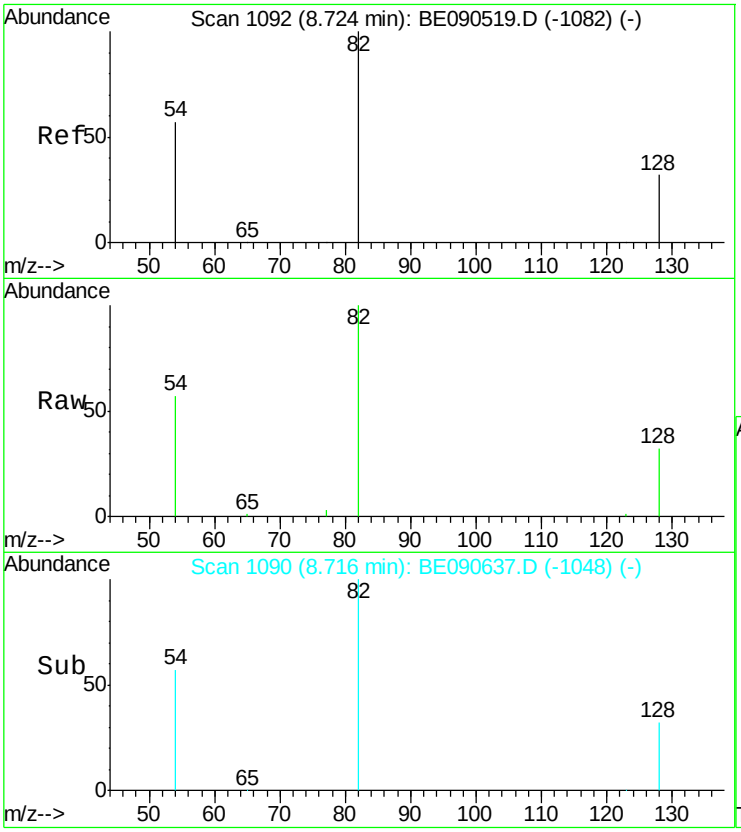


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.32 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:136 Resp: 64543

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.6	9.4	14.0
68	8.3	6.5	9.7



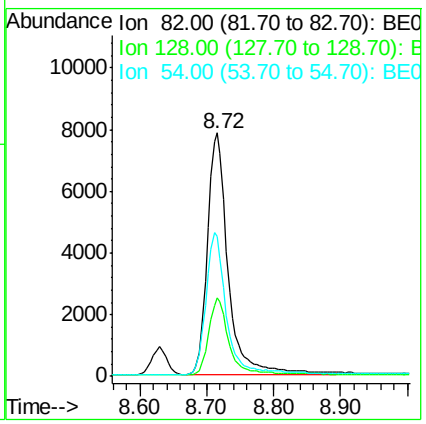


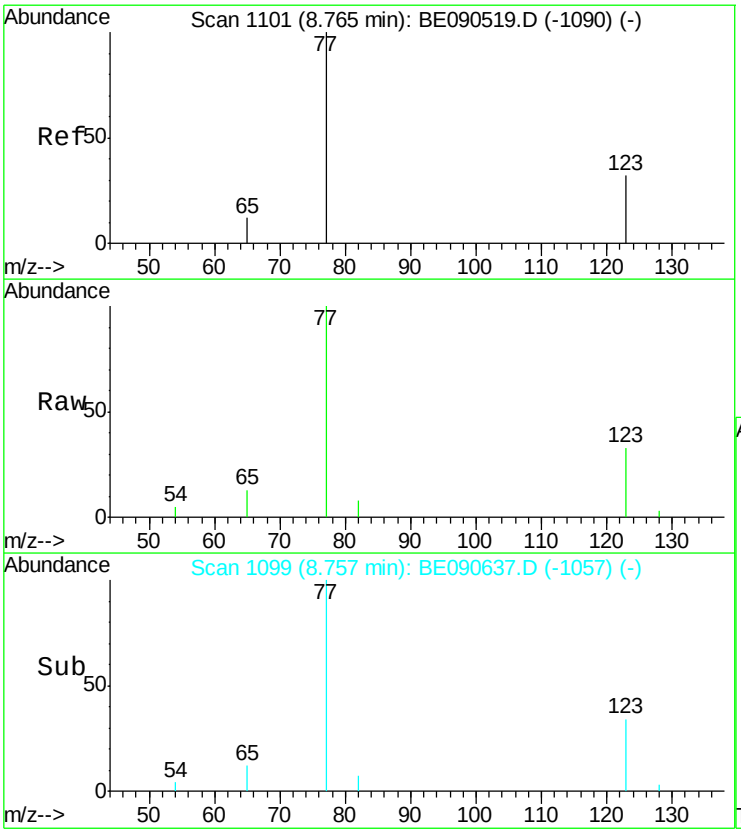
#7
Nitrobenzene-d5
Concen: 3.27 ng
RT: 8.72 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion: 82 Resp: 16843

Ion	Ratio	Lower	Upper
82	100		
128	32.3	25.0	37.6
54	57.2	48.8	73.2

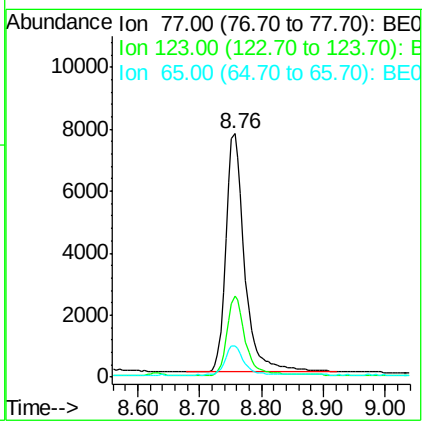


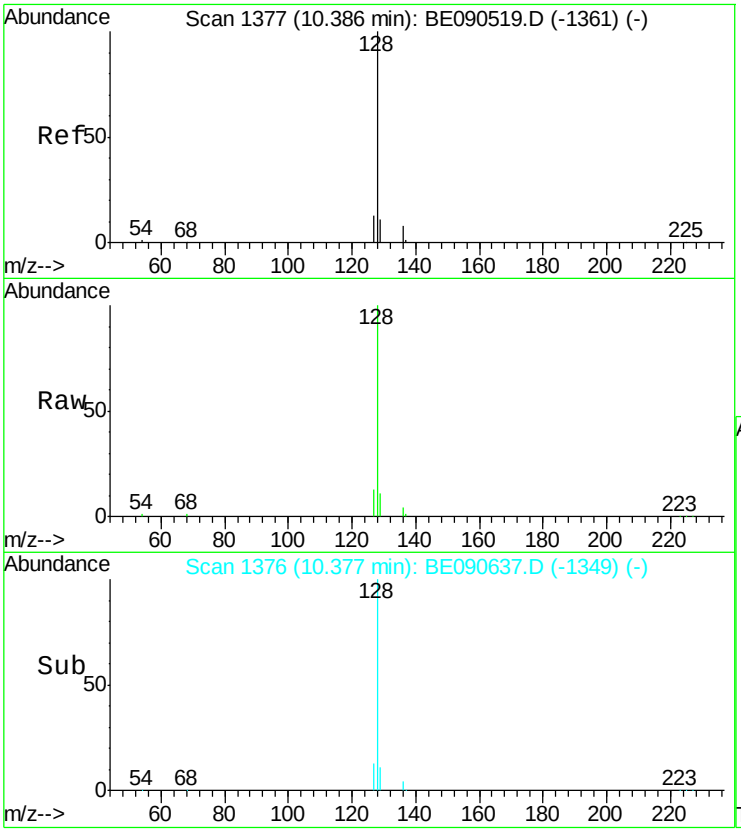


#8
Nitrobenzene
Concen: 3.05 ng
RT: 8.76 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion: 77 Resp: 16273

Ion	Ratio	Lower	Upper
77	100		
123	33.0	25.1	37.7
65	12.5	9.3	13.9



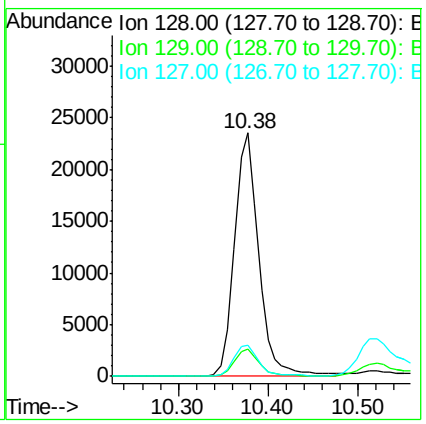


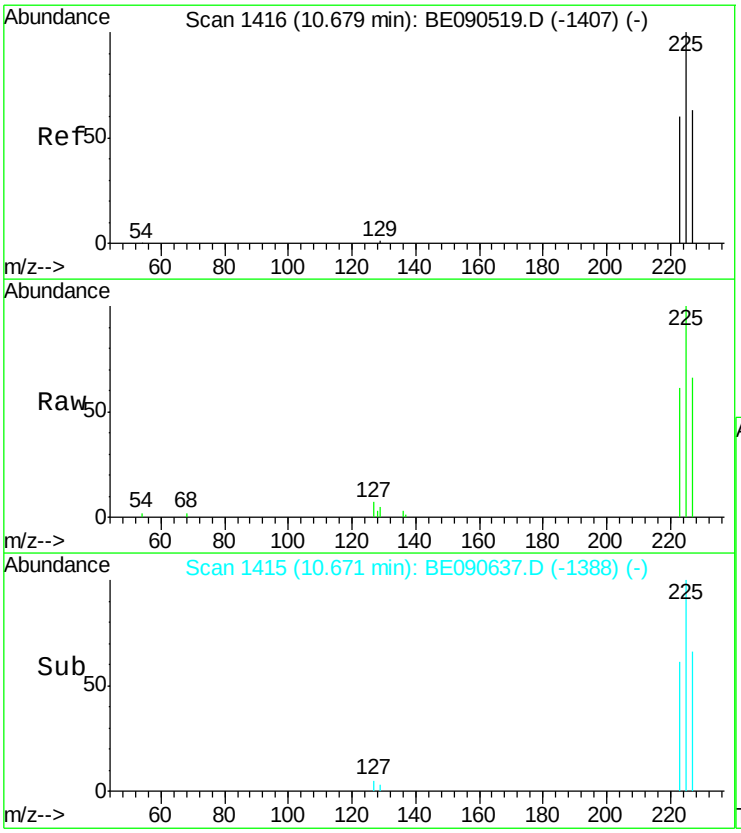
#9
Naphthalene
Concen: 2.97 ng
RT: 10.38 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:128 Resp: 43526

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.6
127	13.0	10.6	16.0

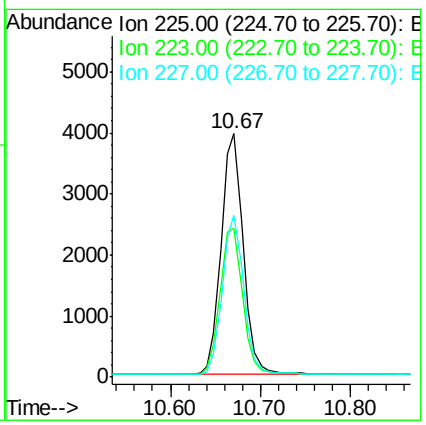


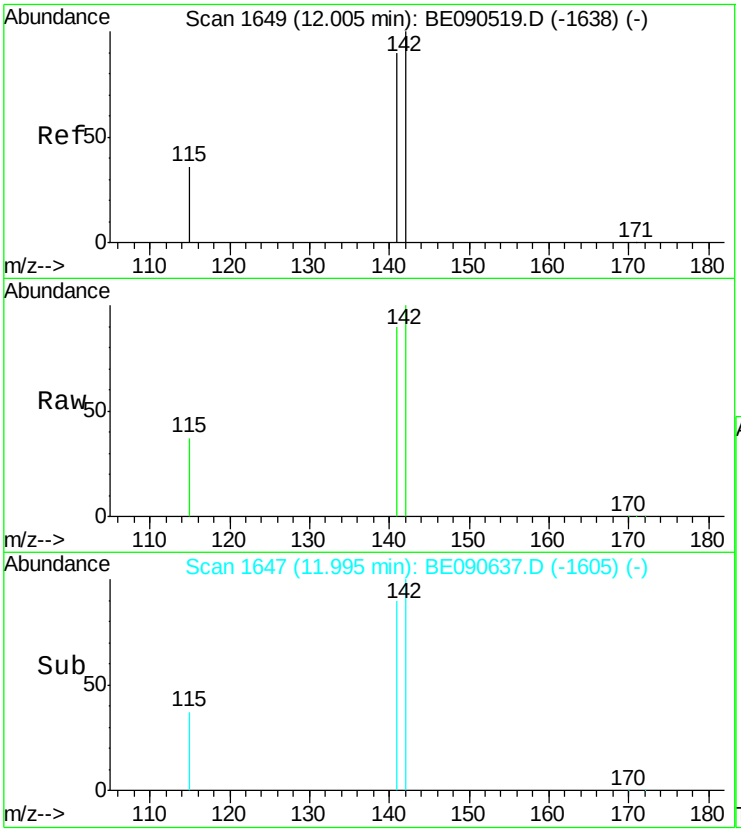


#10
Hexachlorobutadiene
Concen: 3.10 ng
RT: 10.67 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:225 Resp: 6674

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	75.8
227	64.7	50.7	76.1



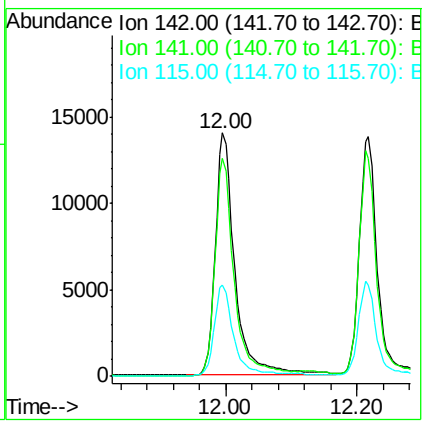


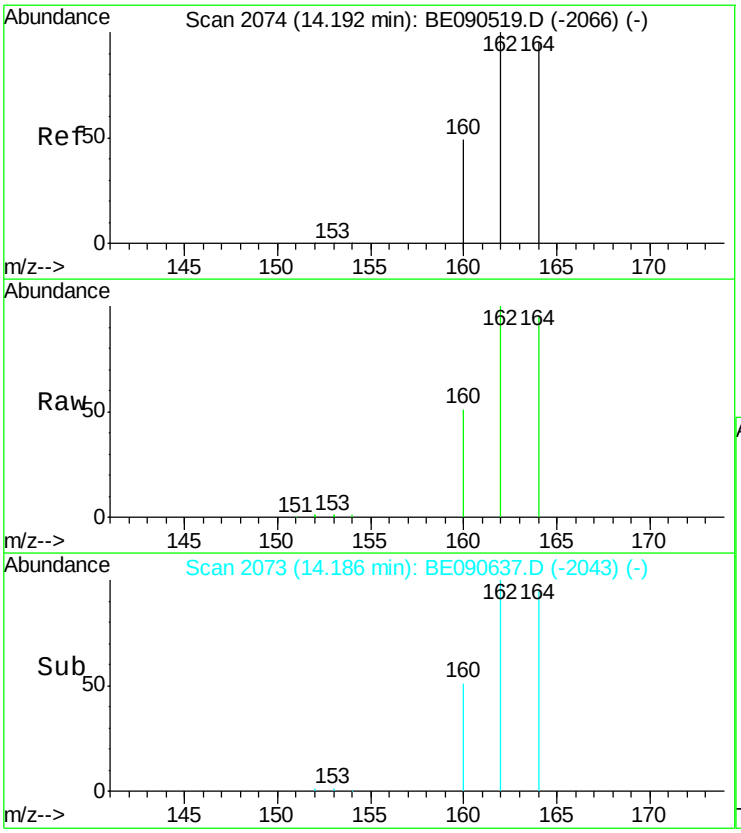
#11
2-Methylnaphthalene
Concen: 3.04 ng
RT: 12.00 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:142 Resp: 29081

Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.6	109.0
115	37.4	31.6	47.4

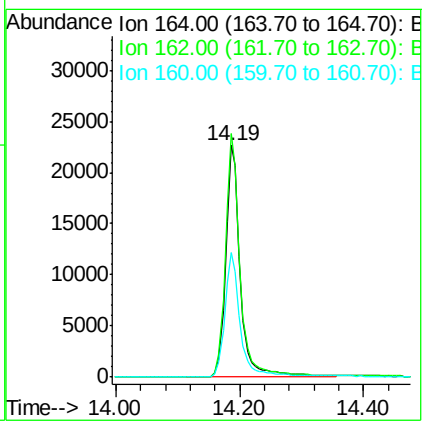


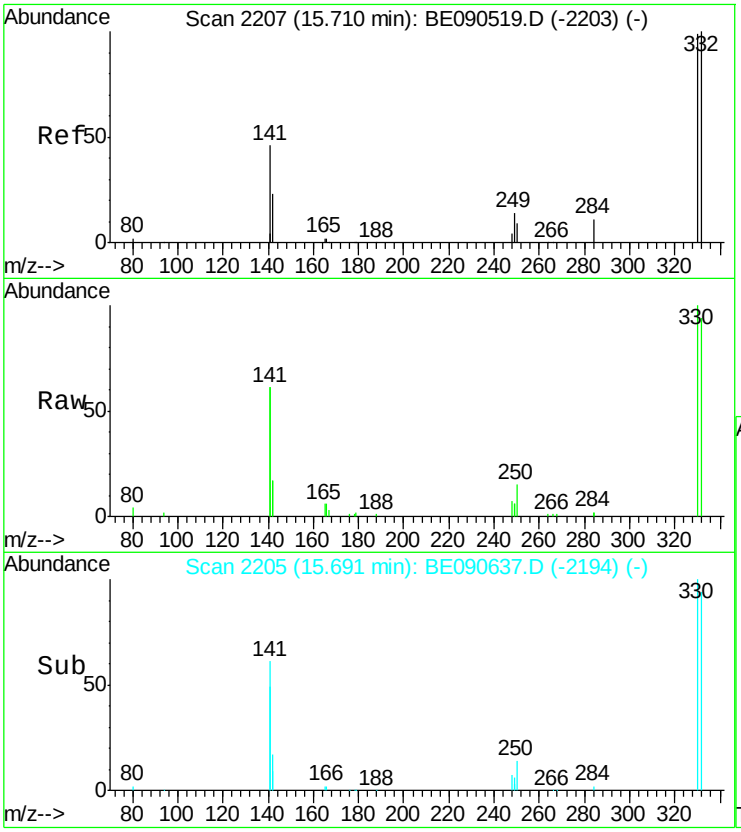


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:164 Resp: 37092

Ion	Ratio	Lower	Upper
164	100		
162	104.9	81.8	122.8
160	53.7	44.2	66.4



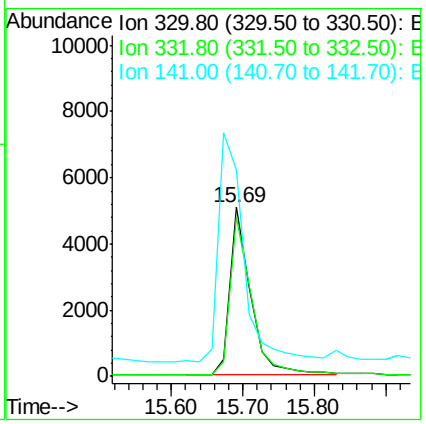


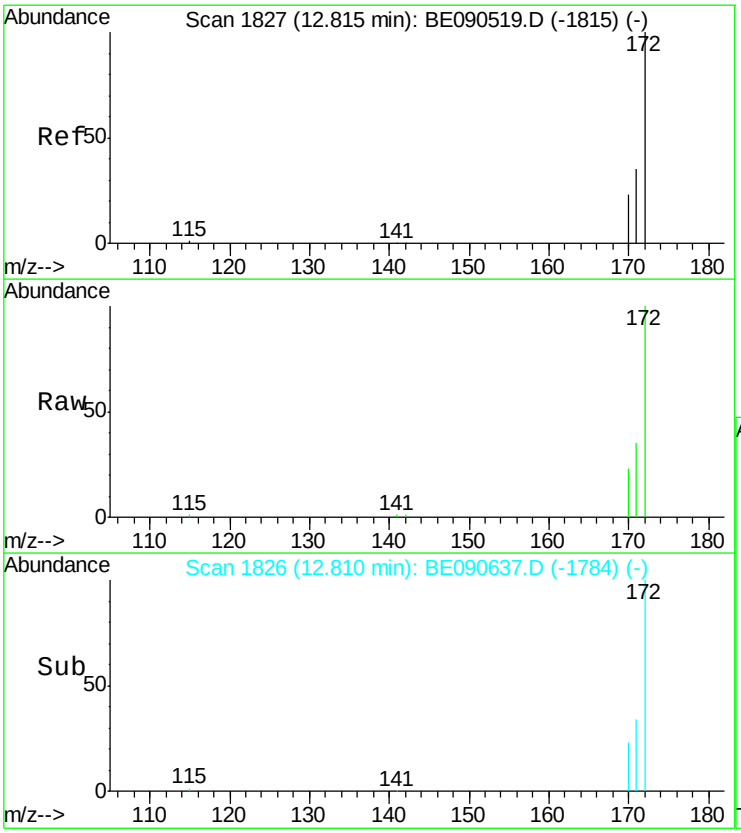
#13
2,4,6-Tribromophenol
Concen: 7.11 ng
RT: 15.69 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:330 Resp: 10154

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.8	113.6
141	168.2	114.4	171.6

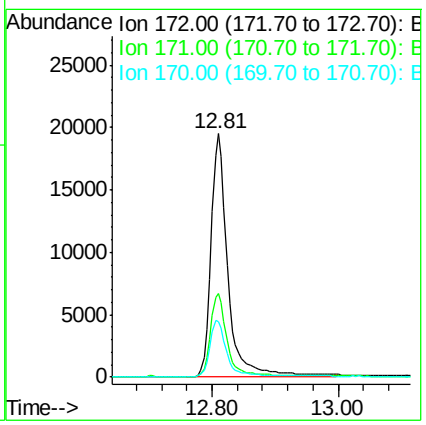


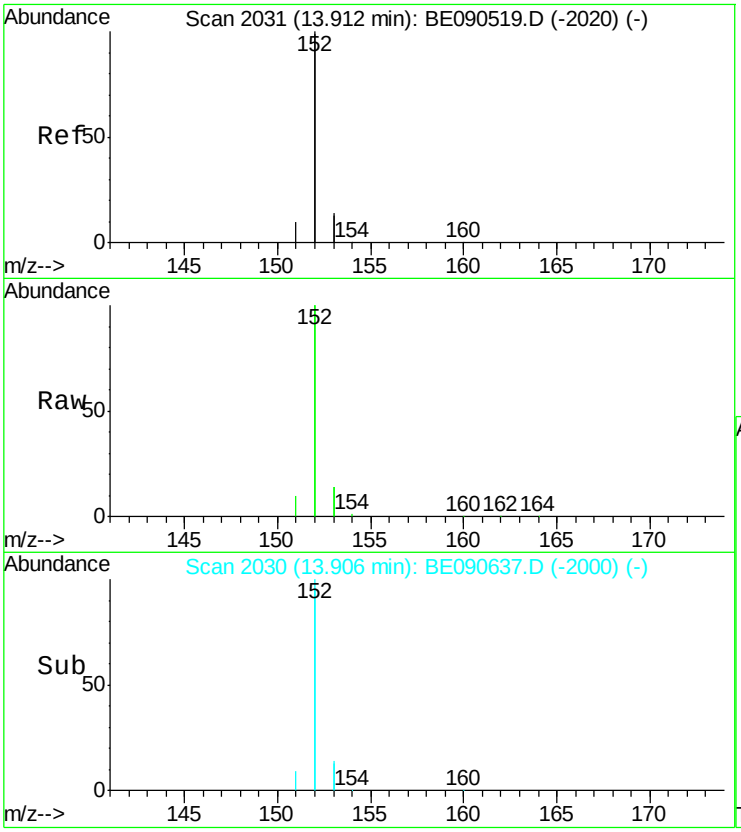


#14
2-Fluorobiphenyl
Concen: 3.25 ng
RT: 12.81 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:172 Resp: 35993

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.5	42.7
170	22.9	19.8	29.8



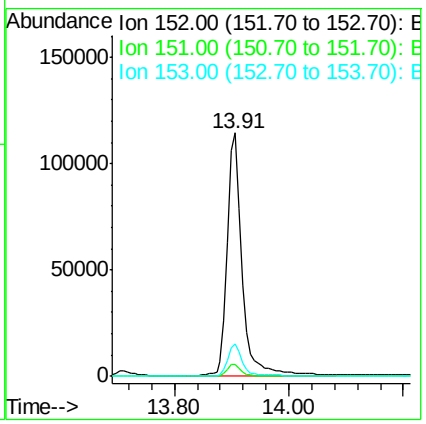


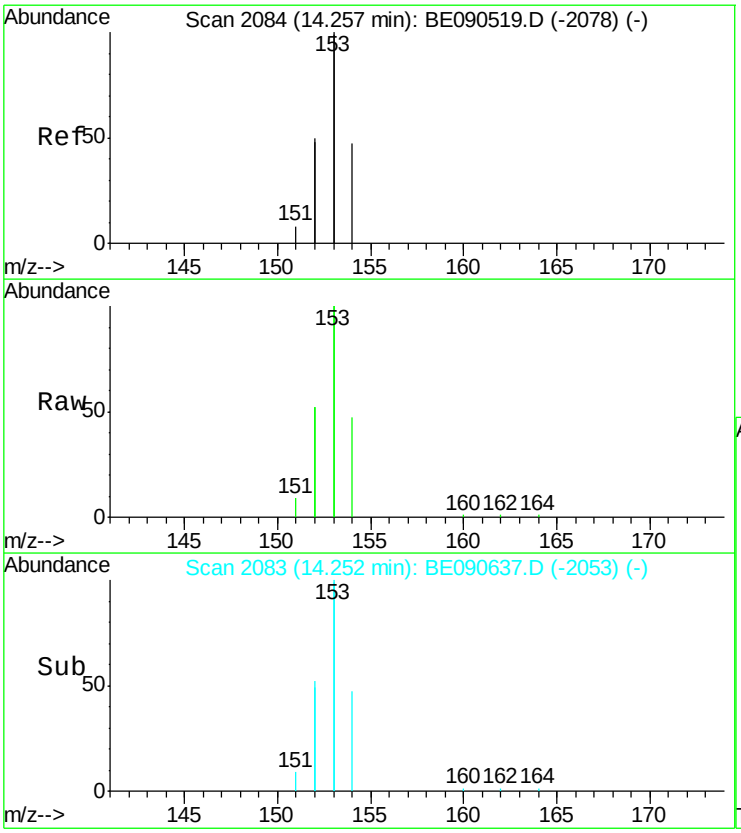
#15
Acenaphthylene
Concen: 3.00 ng
RT: 13.91 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:152 Resp: 203048

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	13.0	10.3	15.5

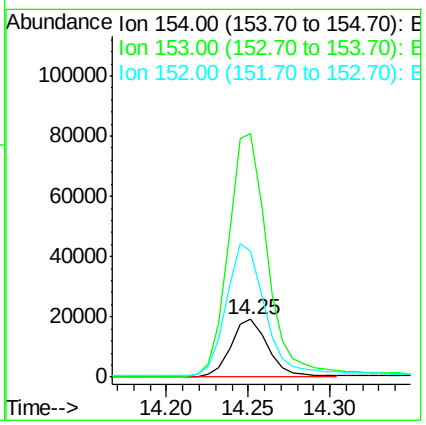


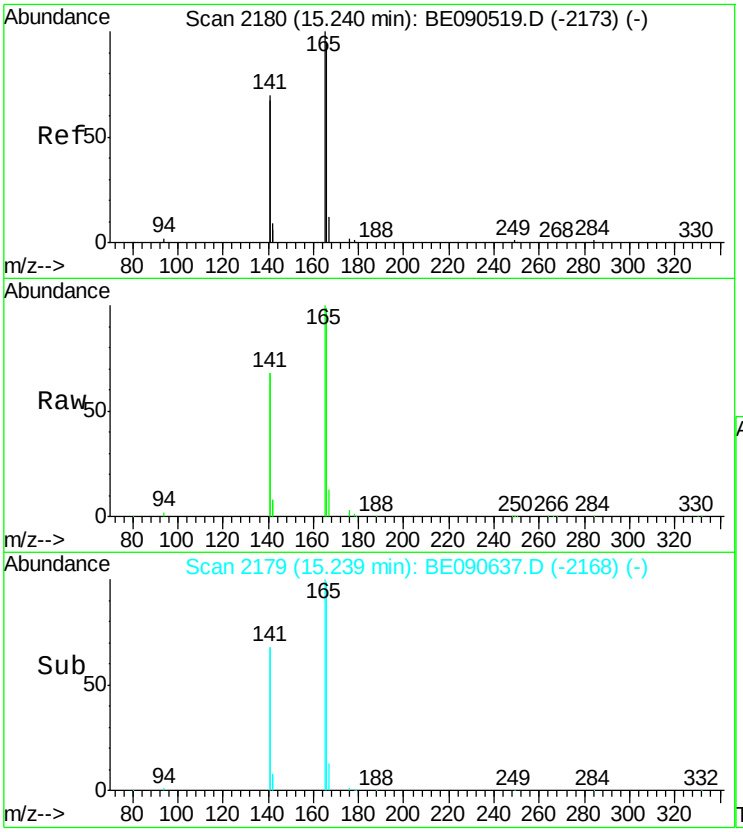


#16
Acenaphthene
Concen: 3.02 ng
RT: 14.25 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:154 Resp: 30775

Ion	Ratio	Lower	Upper
154	100		
153	453.0	376.2	564.2
152	243.8	235.0	352.4



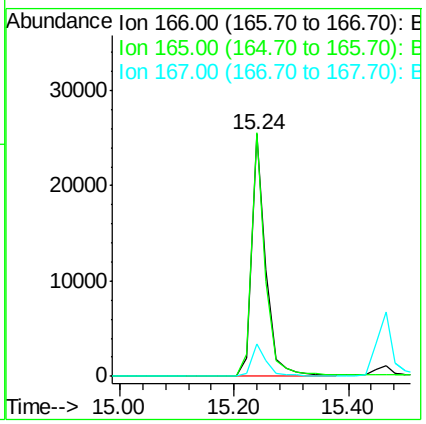


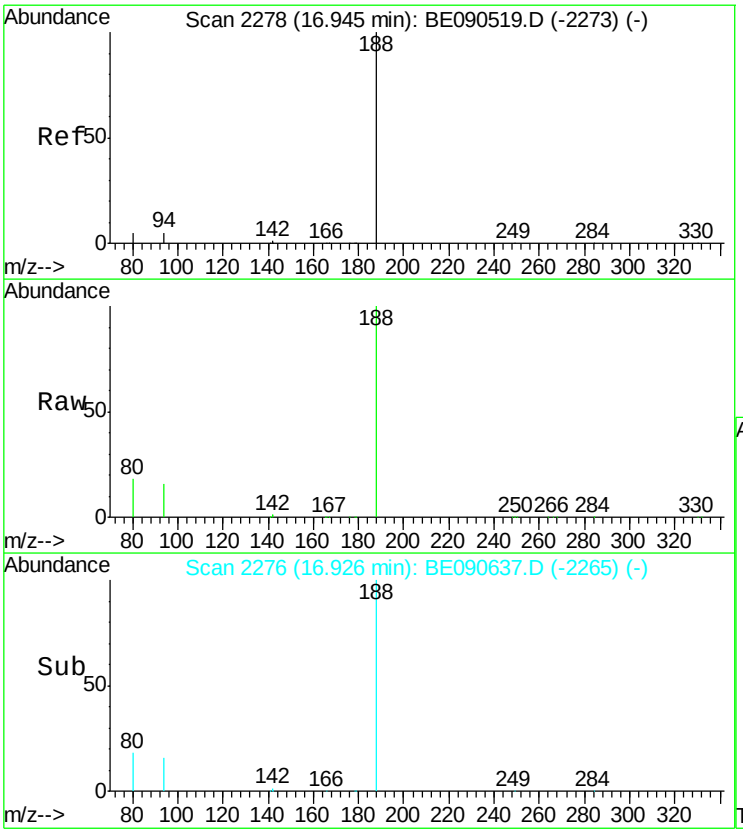
#17
Fluorene
Concen: 3.50 ng
RT: 15.24 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:166 Resp: 43679

Ion	Ratio	Lower	Upper
166	100		
165	98.7	81.5	122.3
167	13.7	11.4	17.0

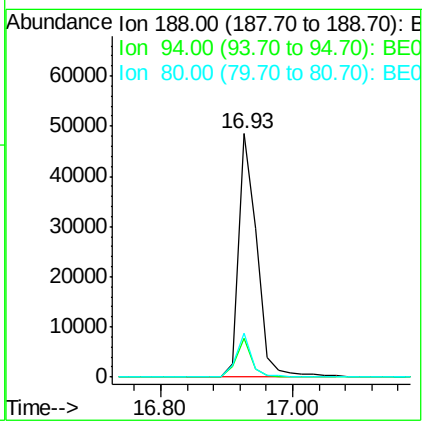


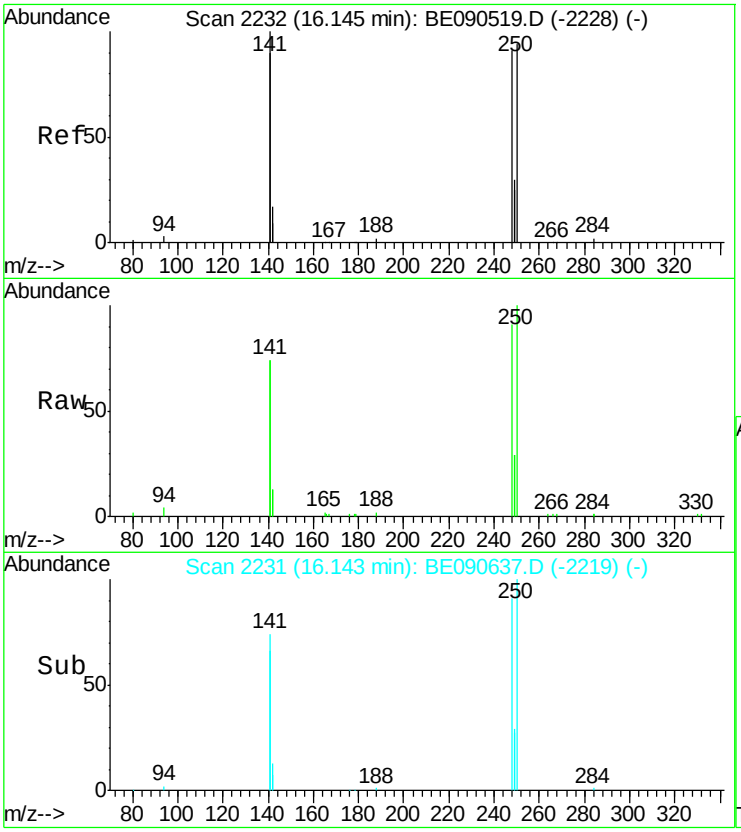


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.93 min Scan# 2276
Delta R.T. -0.02 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:188 Resp: 91786

Ion	Ratio	Lower	Upper
188	100		
94	16.0	5.7	8.5#
80	17.8	5.8	8.8#



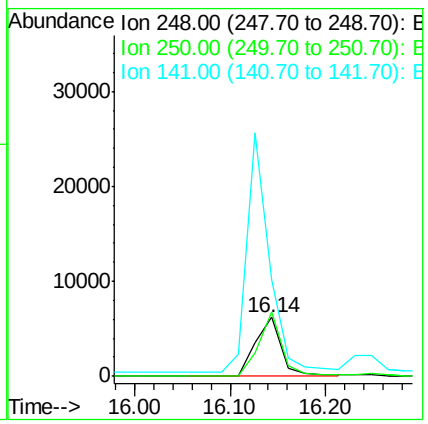


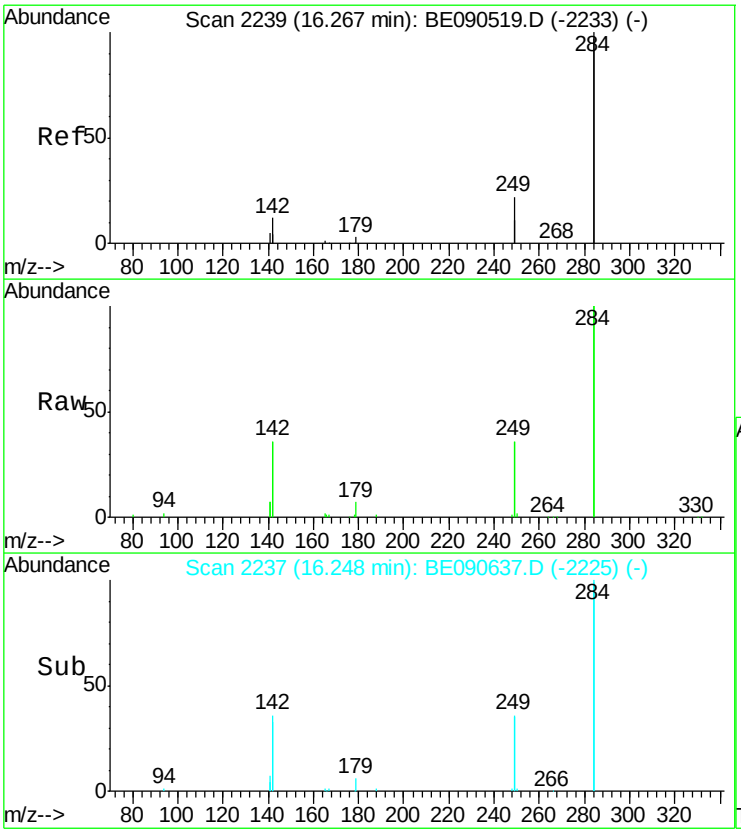
#19
4-Bromophenyl-phenylether
Concen: 3.04 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:248 Resp: 11417

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.6
141	362.7	239.5	359.3#

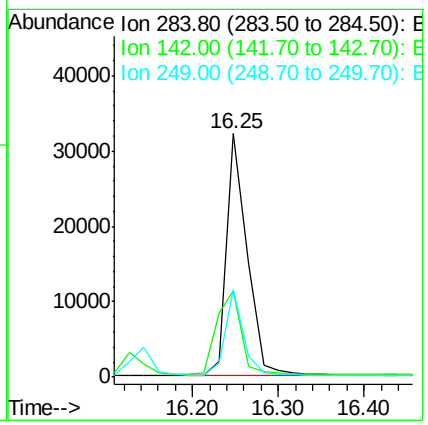


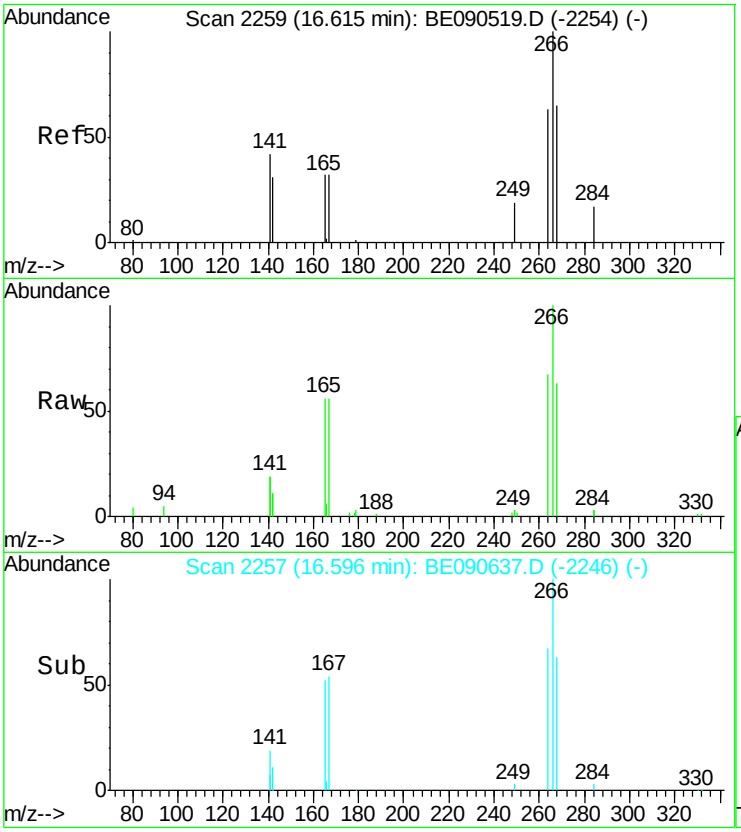


#20
Hexachlorobenzene
Concen: 3.26 ng
RT: 16.25 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:284 Resp: 54159

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.1	45.1
249	31.4	25.7	38.5



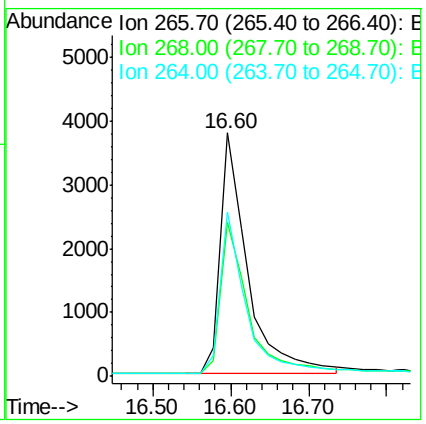


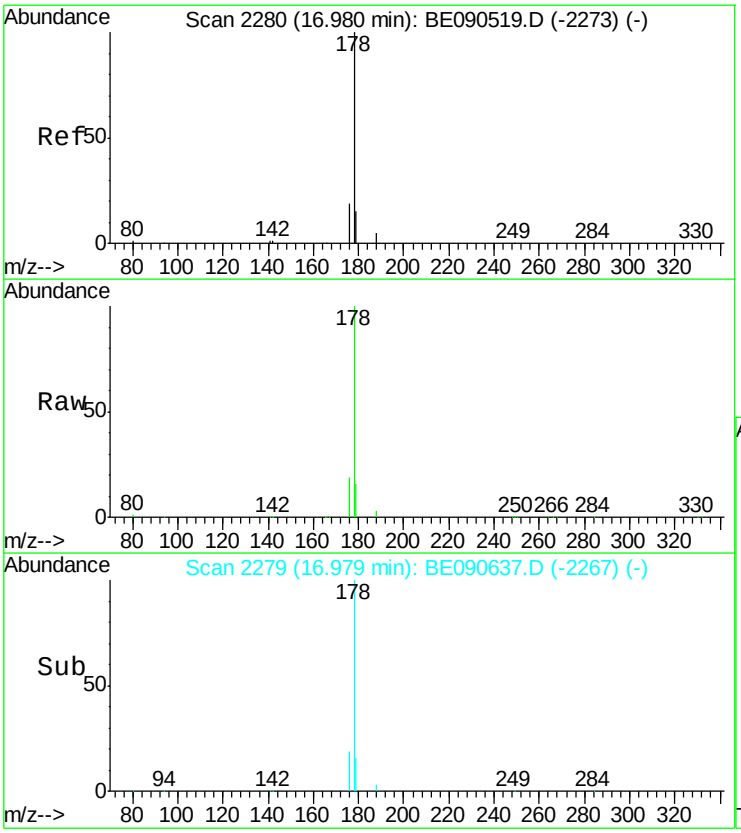
#21
Pentachlorophenol
Concen: 4.58 ng
RT: 16.60 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:266 Resp: 9073

Ion	Ratio	Lower	Upper
266	100		
268	63.3	58.5	87.7
264	67.4	56.0	84.0

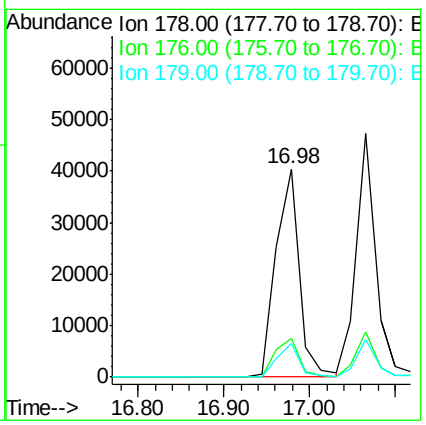


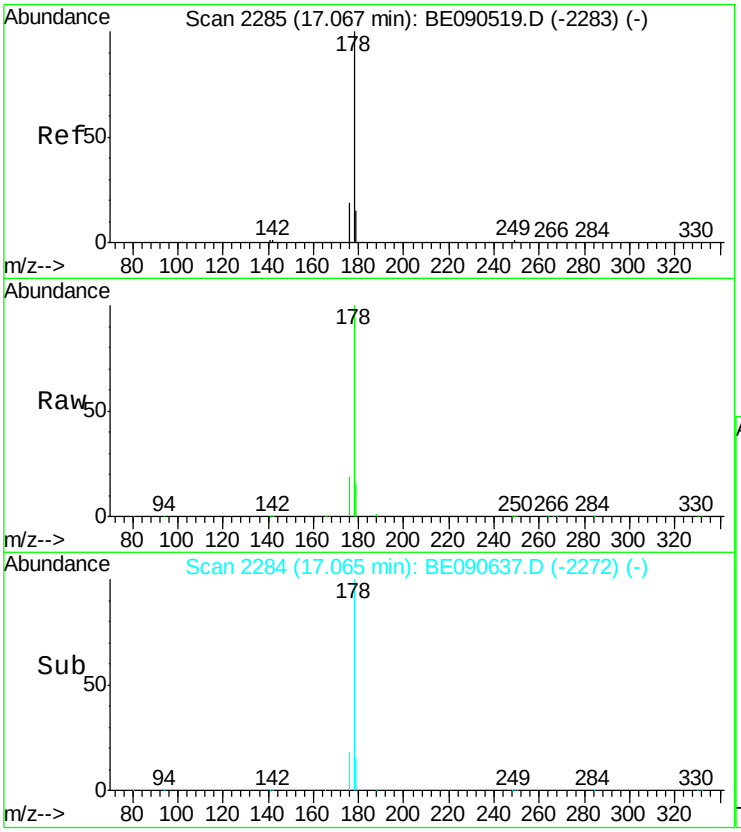


#22
Phenanthrene
Concen: 3.19 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:178 Resp: 76953

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.5	18.7



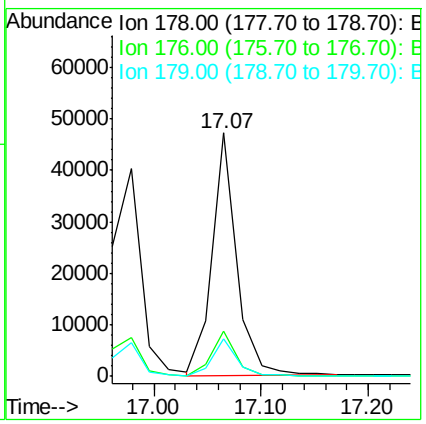


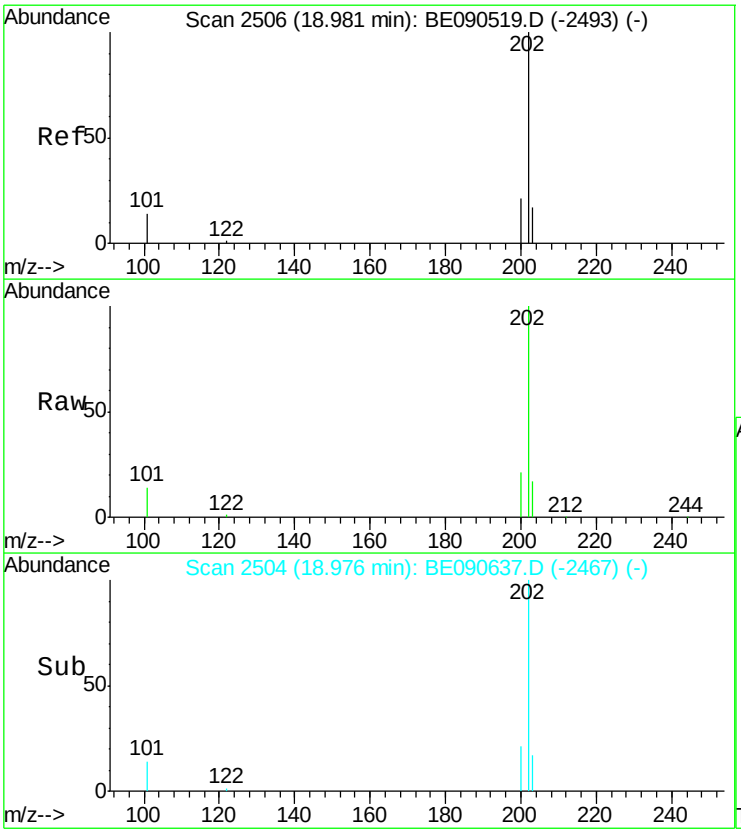
#23
Anthracene
Concen: 3.37 ng
RT: 17.07 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:178 Resp: 74782

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.3	12.2	18.4

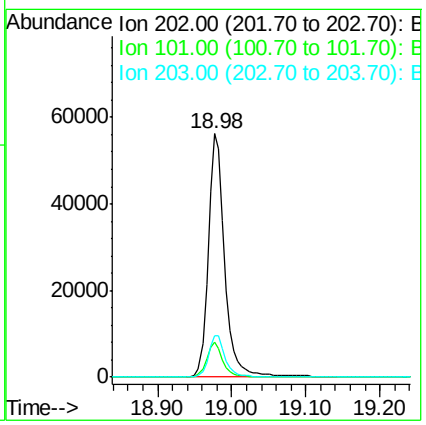


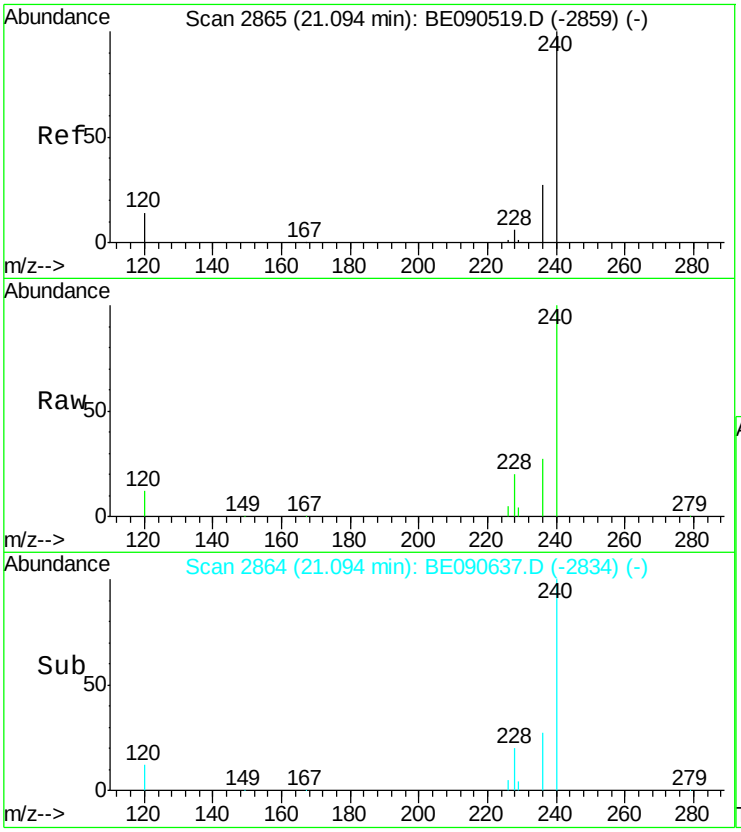


#24
Fluoranthene
Concen: 3.38 ng
RT: 18.98 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:202 Resp: 86558

Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.3	15.5
203	17.2	13.7	20.5



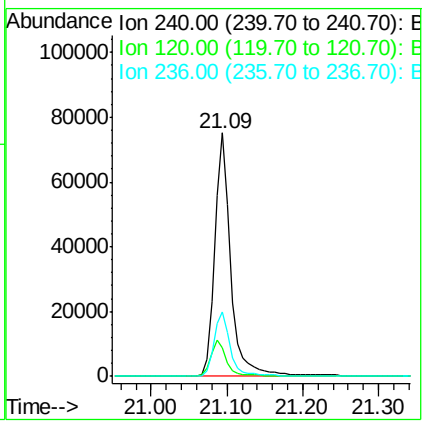


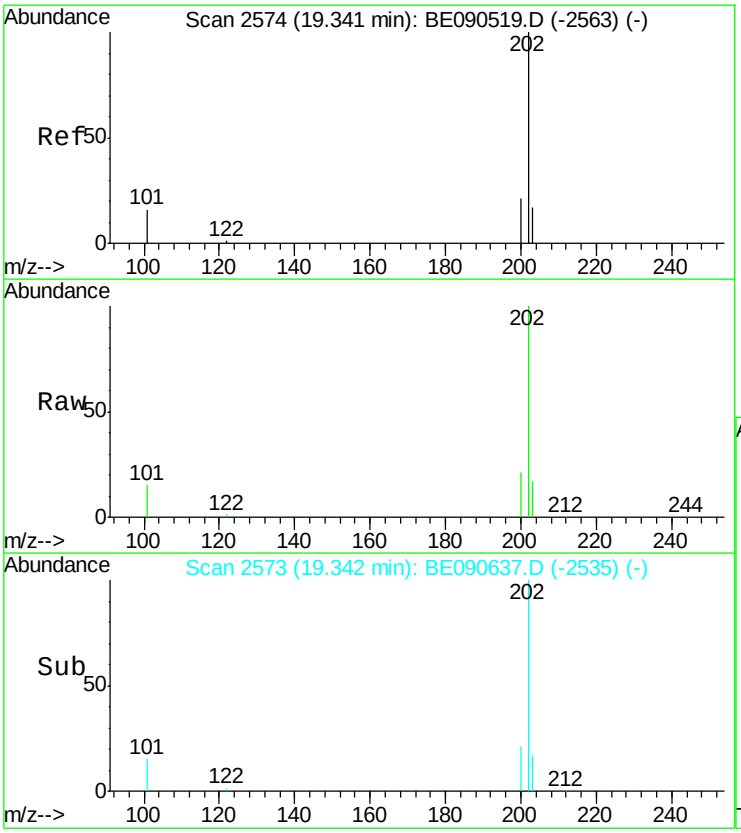
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:240 Resp: 110033

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	26.7	21.0	31.4

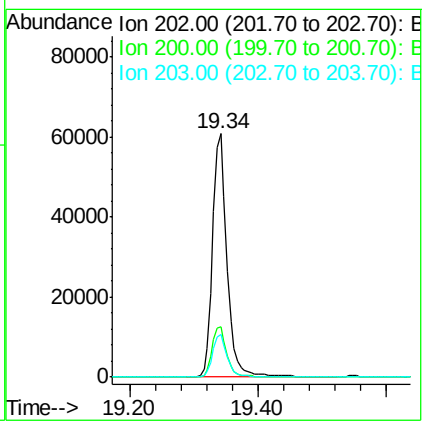


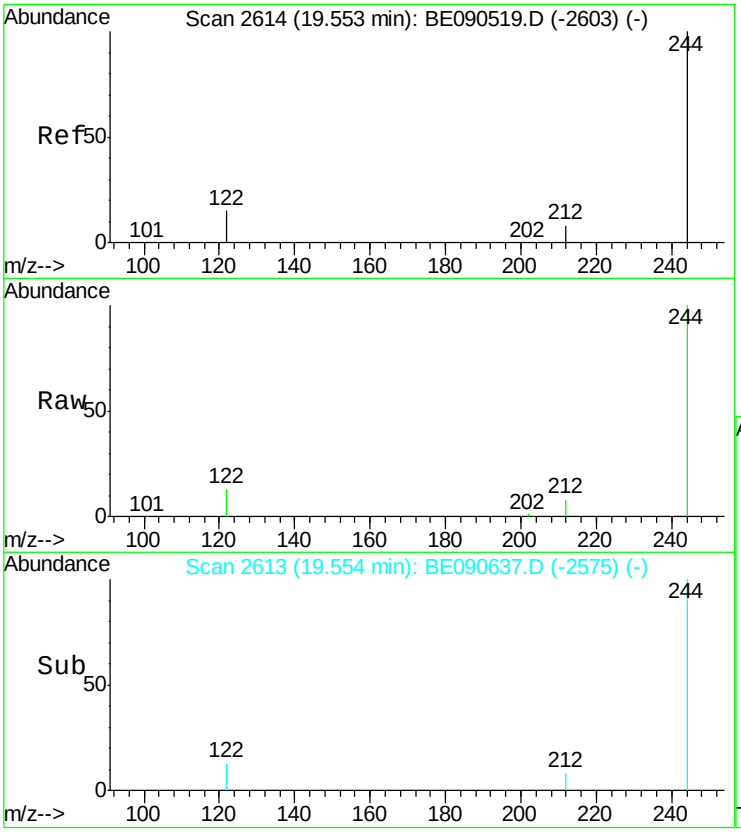


#26
Pyrene
Concen: 3.01 ng
RT: 19.34 min Scan# 2573
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:202 Resp: 94634

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	13.8	20.8



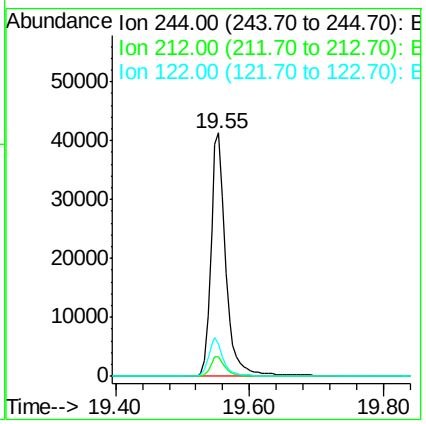


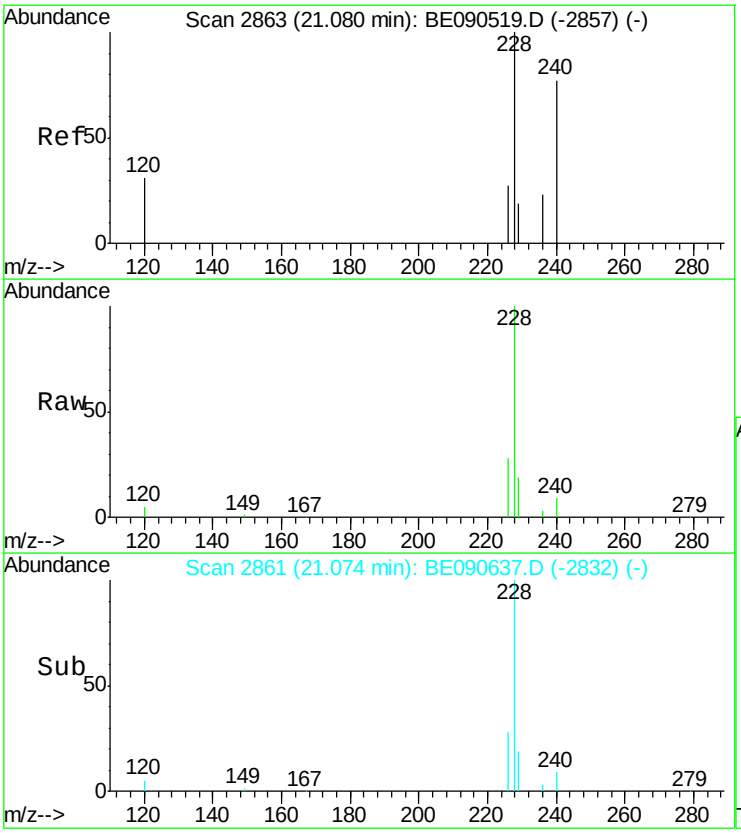
#27
Terphenyl-d14
Concen: 3.10 ng
RT: 19.55 min Scan# 2613
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:244 Resp: 62404

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	9.8
122	13.1	10.2	15.4

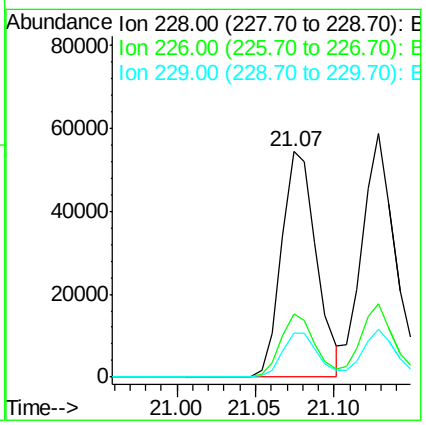


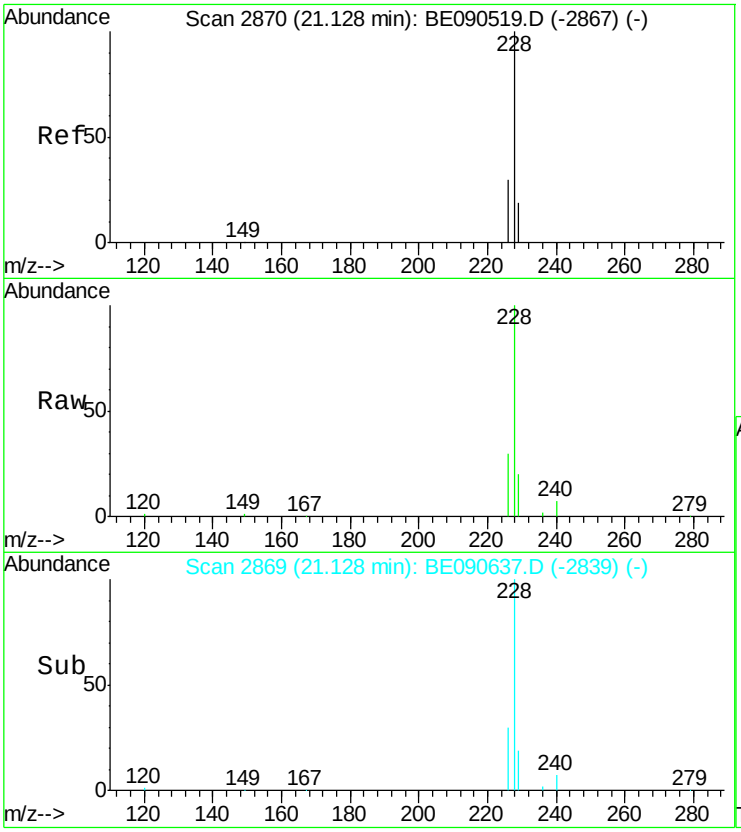


#28
Benzo(a)anthracene
Concen: 2.91 ng
RT: 21.07 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:228 Resp: 84241

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	19.4	15.4	23.0



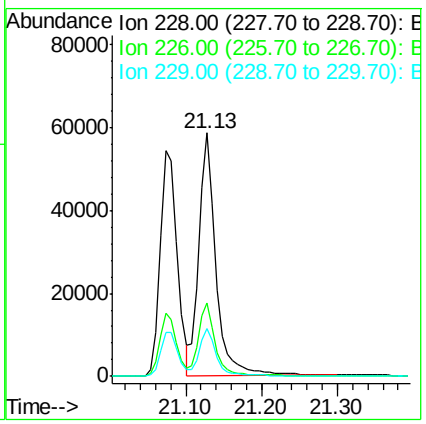


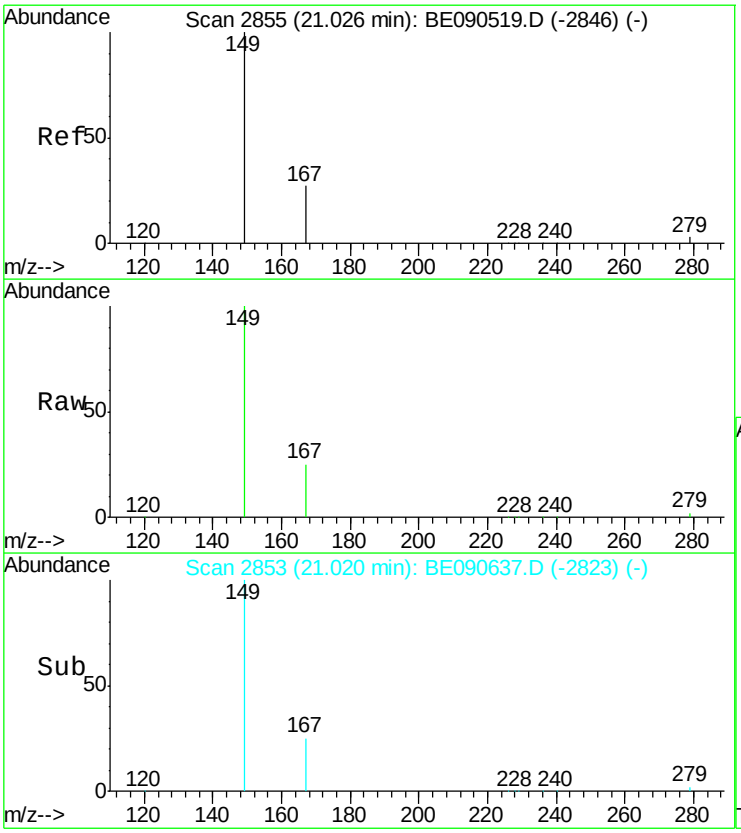
#29
Chrysene
Concen: 3.12 ng
RT: 21.13 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:228 Resp: 92240

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.1	34.7
229	19.5	15.8	23.8

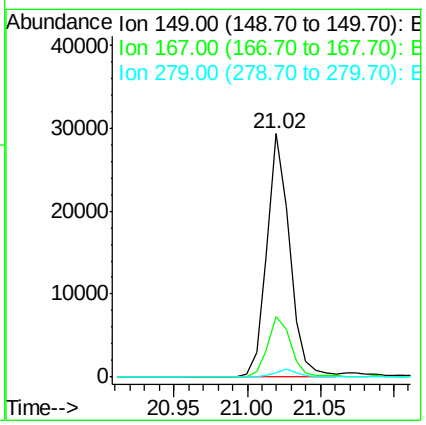


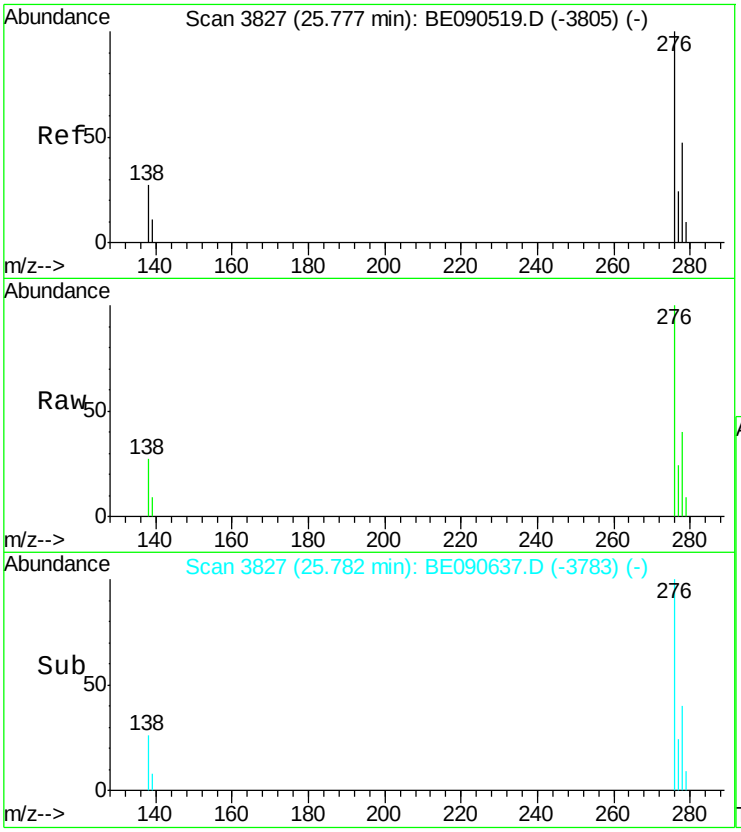


#30
Bis(2-ethylhexyl)phthalate
Concen: 1.89 ng
RT: 21.02 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:149 Resp: 31202

Ion	Ratio	Lower	Upper
149	100		
167	25.6	19.8	29.8
279	3.0	2.4	3.6



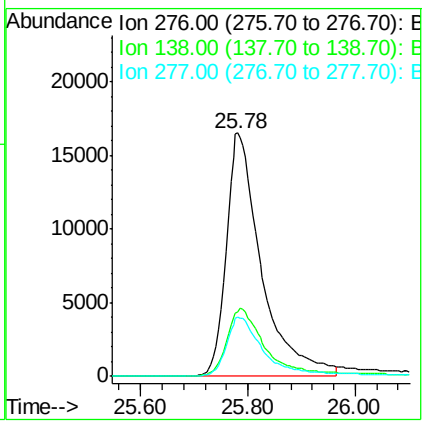


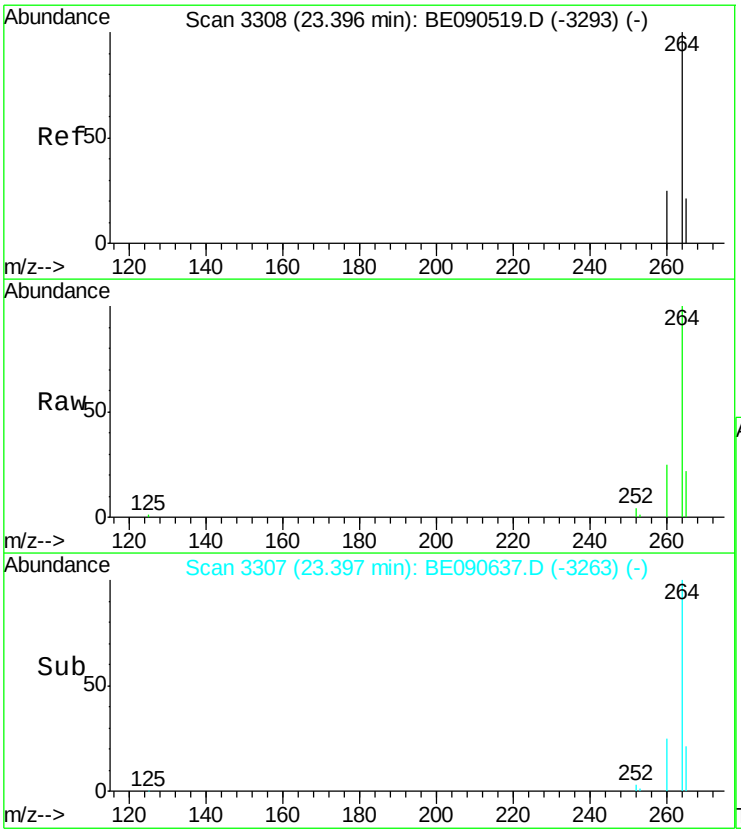
#31
Indeno(1,2,3-cd)pyrene
Concen: 2.67 ng
RT: 25.78 min Scan# 3827
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:276 Resp: 74460

Ion	Ratio	Lower	Upper
276	100		
138	29.4	18.8	28.2#
277	24.9	18.2	27.4

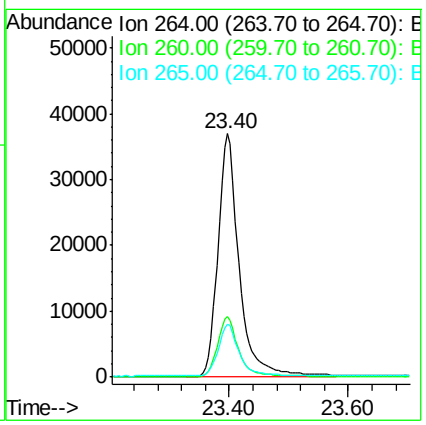


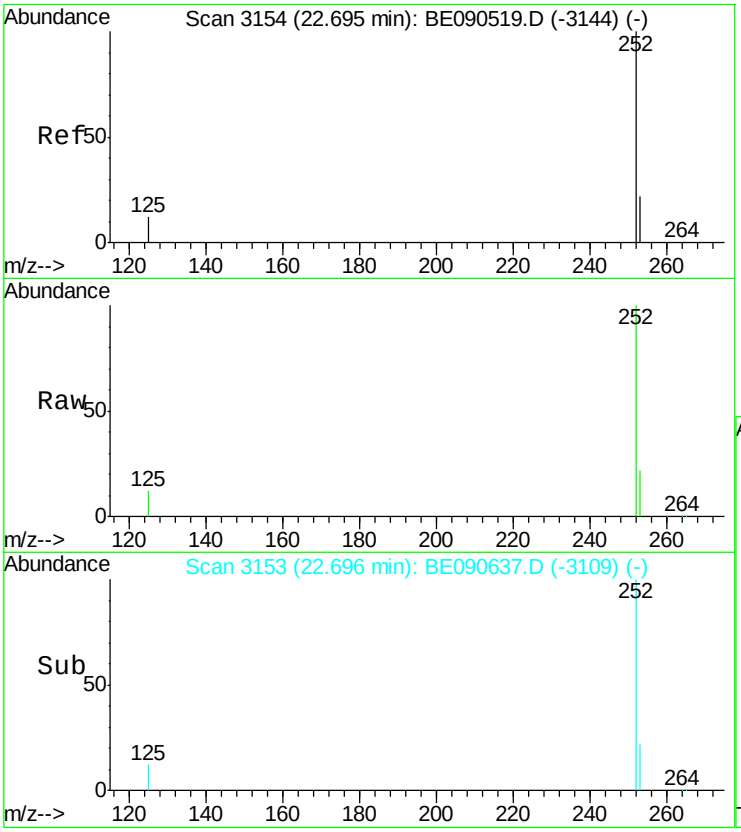


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3307
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:264 Resp: 91536

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.1	30.1
265	21.6	17.2	25.8



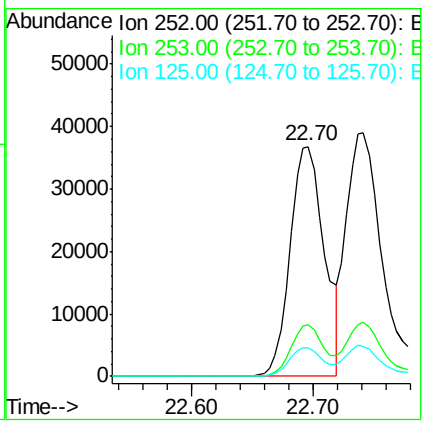


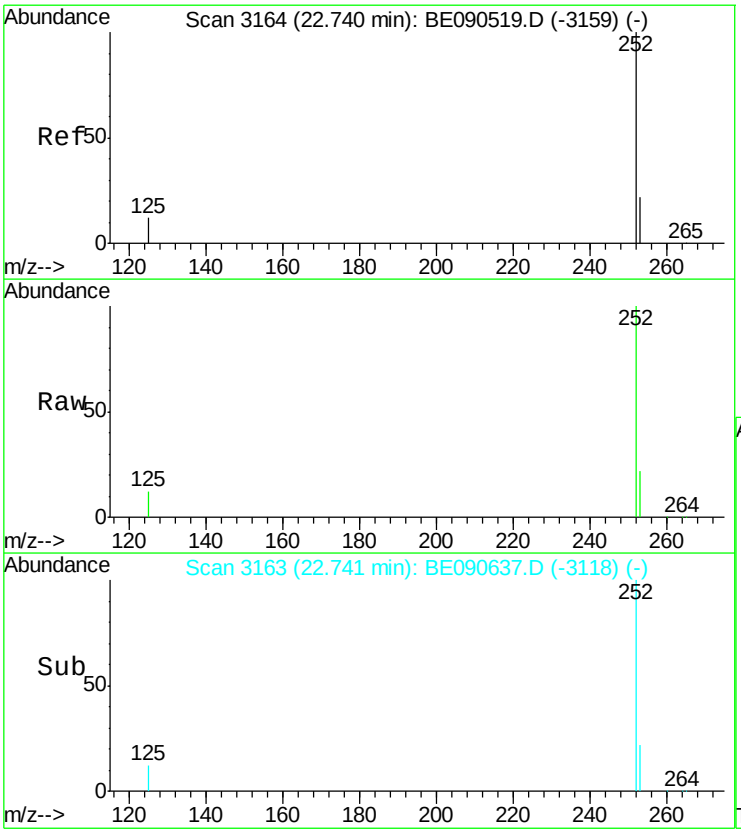
#33
Benzo(b)fluoranthene
Concen: 3.30 ng
RT: 22.70 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:252 Resp: 71634

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.4	9.4	14.2

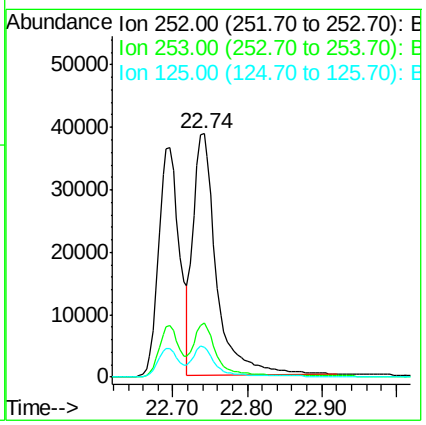


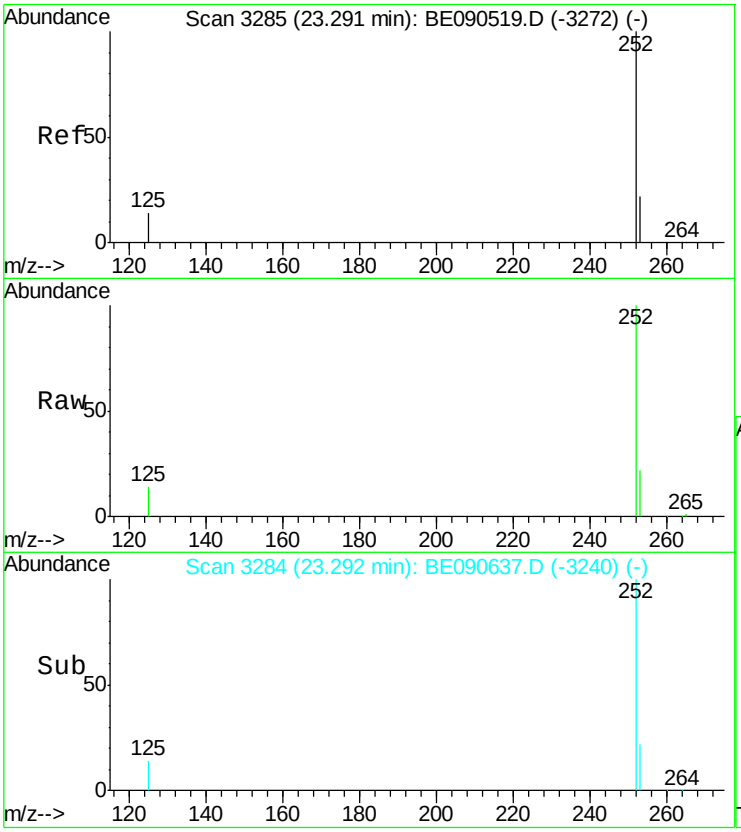


#34
Benzo(k)fluoranthene
Concen: 3.43 ng
RT: 22.74 min Scan# 3163
Delta R.T. 0.01 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:252 Resp: 84354

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.4	9.1	13.7



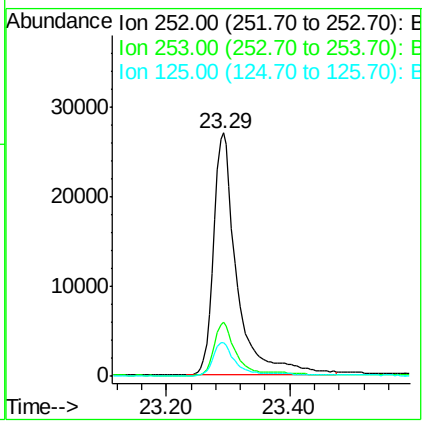


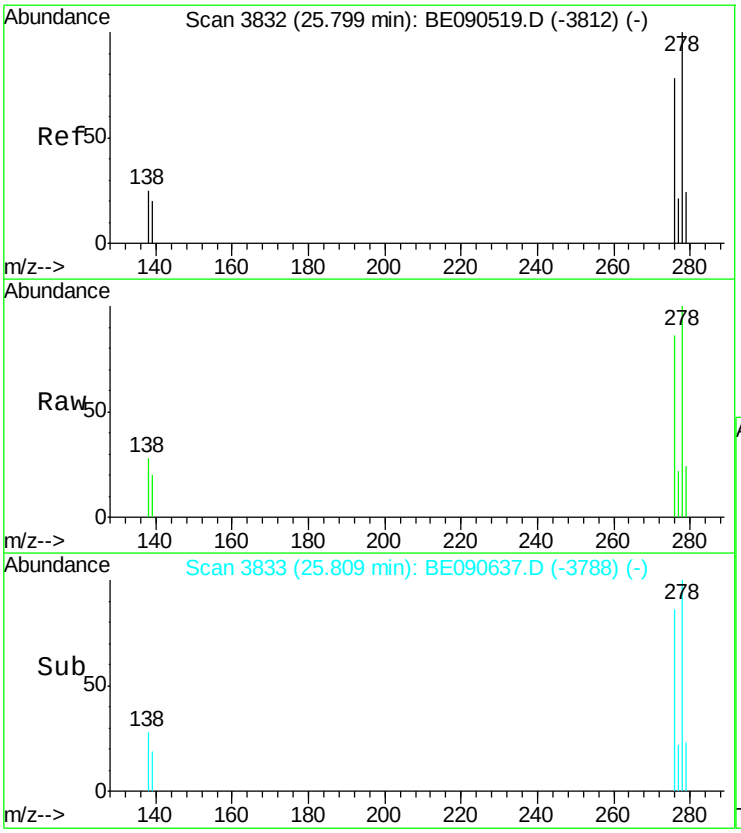
#35
Benzo(a)pyrene
Concen: 3.48 ng
RT: 23.29 min Scan# 3284
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:252 Resp: 70576

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	14.1	9.8	14.6

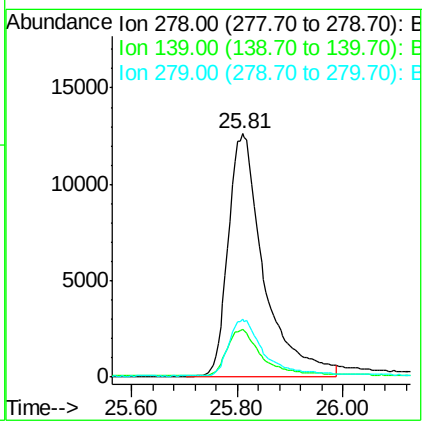


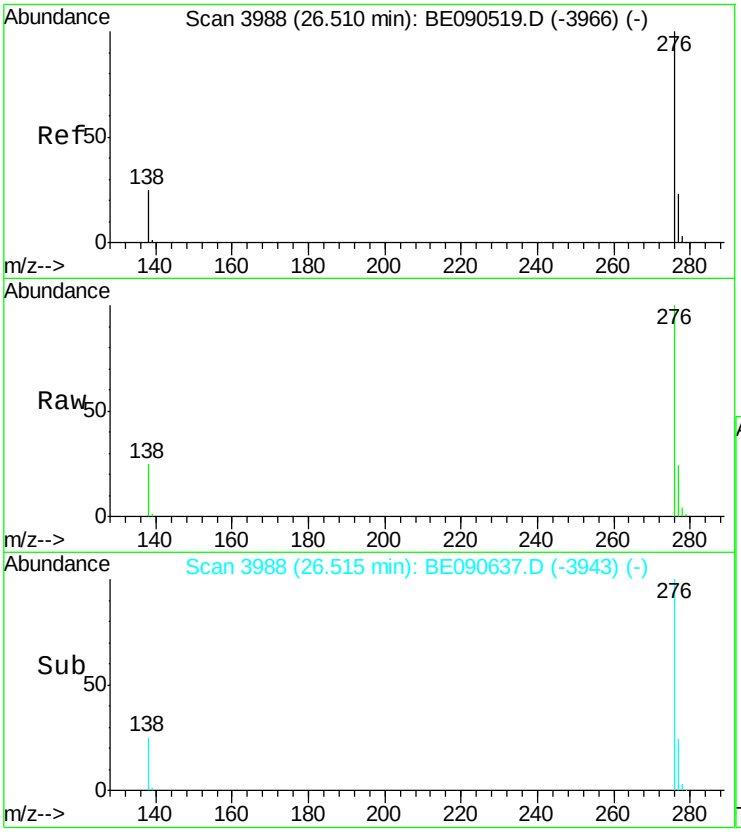


#36
Dibenzo(a,h)anthracene
Concen: 3.00 ng
RT: 25.81 min Scan# 3833
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Tgt Ion:278 Resp: 58666

Ion	Ratio	Lower	Upper
278	100		
139	19.6	14.2	21.4
279	23.8	20.1	30.1





#37
Benzo(g,h,i)perylene
Concen: 3.10 ng
RT: 26.52 min Scan# 3988
Delta R.T. 0.00 min
Lab File: BE090637.D
Acq: 26 Aug 2015 15:03

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Tgt Ion:276 Resp: 66244

Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.1	30.1
138	25.3	18.1	27.1