Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091615\
Data File : BE090845.D
Acq On : 16 Sep 2015 15:48
Operator : UM/IZ
Sample : PB85578BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB85578BS

Quant Time: Sep 17 00:55:27 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	32967	5.00	ng		-0.01
6) Naphthalene-d8	10.30	136	148734	5.00	ng		0.00
12) Acenaphthene-d10	14.16	164	77580	5.00	ng		0.00
18) Phenanthrene-d10	16.91	188	190852	5.00	ng		0.00
25) Chrysene-d12	21.07	240	277850	5.00	ng		0.00
32) Perylene-d12	23.35	264	242297	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	43805	6.82	ng		-0.01
5) Phenol-d6	6.74	99	67492	7.35	ng		-0.01
7) Nitrobenzene-d5	8.69	82	33731	3.43	ng		-0.02
13) 2,4,6-Tribromophenol	15.67	330	14297	6.31	ng		0.00
14) 2-Fluorobiphenyl	12.78	172	67834	3.16	ng		-0.01
27) Terphenyl-d14	19.53	244	112308	3.65	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.15	88	14487	3.32	ng		97
3) n-Nitrosodimethylamine	3.45	42	18115	3.07	ng	#	97
8) Nitrobenzene	8.73	77	35901	3.02	ng		99
9) Naphthalene	10.35	128	96809	2.98	ng		100
10) Hexachlorobutadiene	10.64	225	14617	2.88	ng		99
11) 2-Methylnaphthalene	11.97	142	58539	3.34	ng		98
15) Acenaphthylene	13.88	152	397360	3.20	ng		100
16) Acenaphthene	14.22	154	63720	3.08	ng		93
17) Fluorene	15.22	166	82357	3.19	ng		96
19) 4-Bromophenyl-phenylether	16.11	248	21600	3.32	ng		93
20) Hexachlorobenzene	16.23	284	103720	3.30	ng		99
21) Pentachlorophenol	16.58	266	15953	6.13	ng		93
22) Phenanthrene	16.94	178	153278	3.24	ng		99
23) Anthracene	17.03	178	148388	3.76	ng		99
24) Fluoranthene	18.95	202	178487	3.59	ng		99
26) Pyrene	19.32	202	203878	3.55	ng		99
28) Benzo(a)anthracene	21.05	228	211275	3.47	ng		100
29) Chrysene	21.10	228	218325	3.38	ng		99
30) Bis(2-ethylhexyl)phthalate	21.00	149	54349	2.92	ng		99
31) Indeno(1,2,3-cd)pyrene	25.71	276	218888	3.33	ng		98
33) Benzo(b)fluoranthene	22.66	252	188610	3.59	ng		99
34) Benzo(k)fluoranthene	22.70	252	218205	3.57	ng		99
35) Benzo(a)pyrene	23.25	252	178266	3.79	ng		100
36) Dibenzo(a,h)anthracene	25.73	278	179878	3.19	ng		100
37) Benzo(g,h,i)perylene	26.43	276	186600	3.45	ng		99

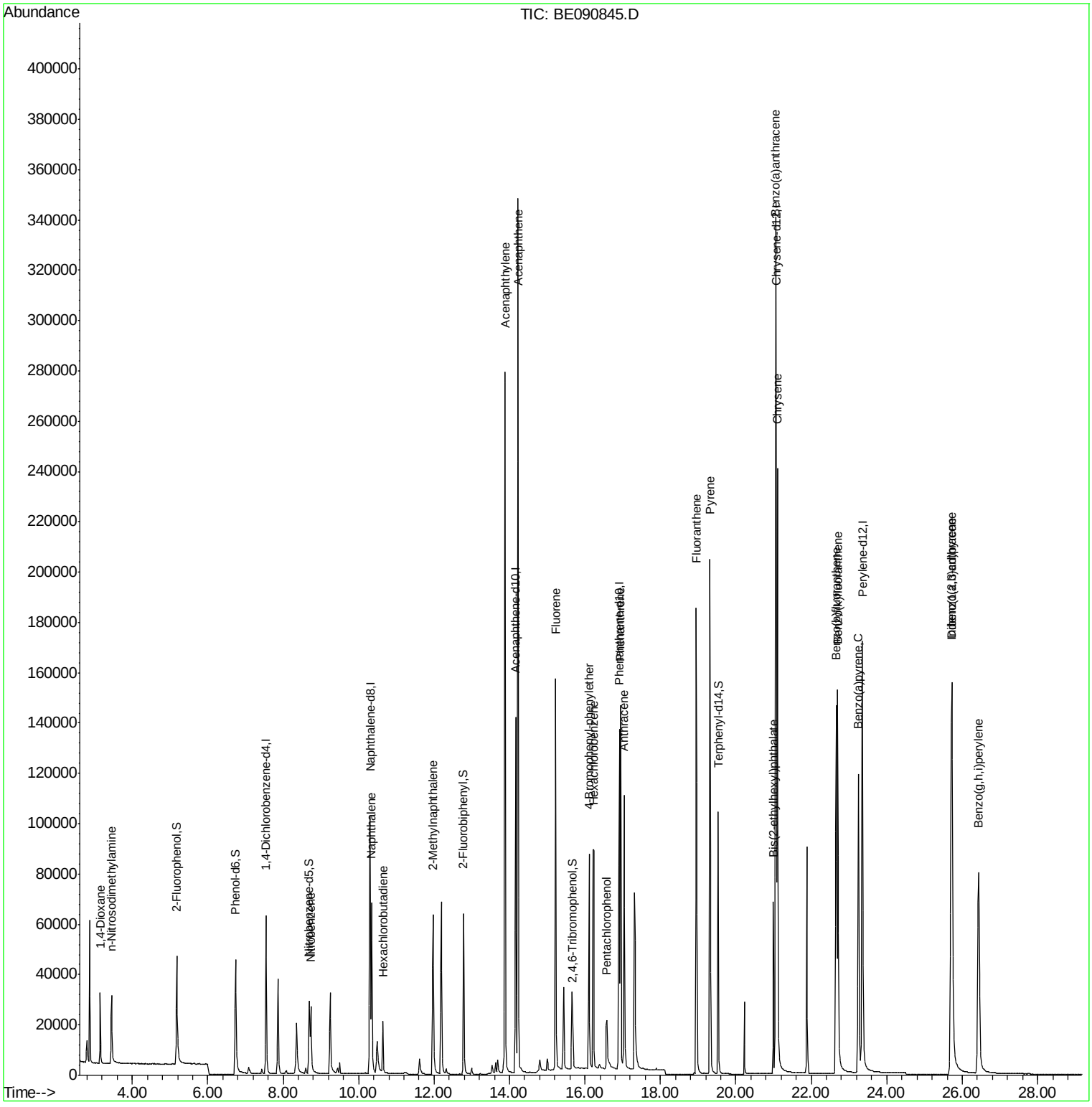
(#) = qualifier out of range (m) = manual integration (+) = signals summed

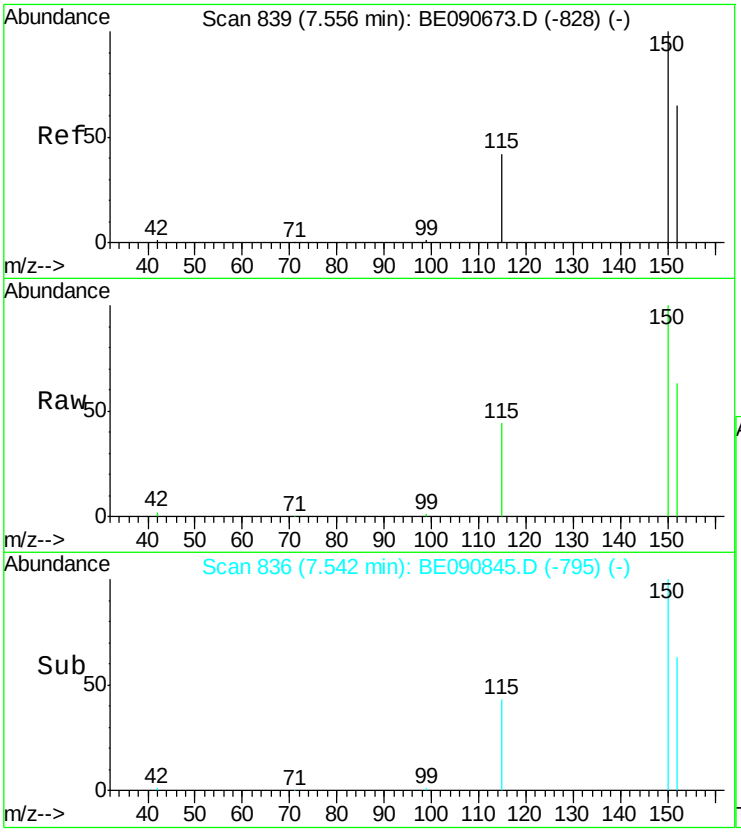
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091615\
Data File : BE090845.D
Acq On : 16 Sep 2015 15:48
Operator : UM/IZ
Sample : PB85578BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Quant Time: Sep 17 00:55:27 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration



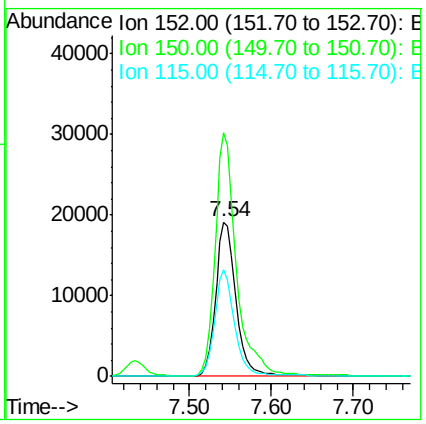


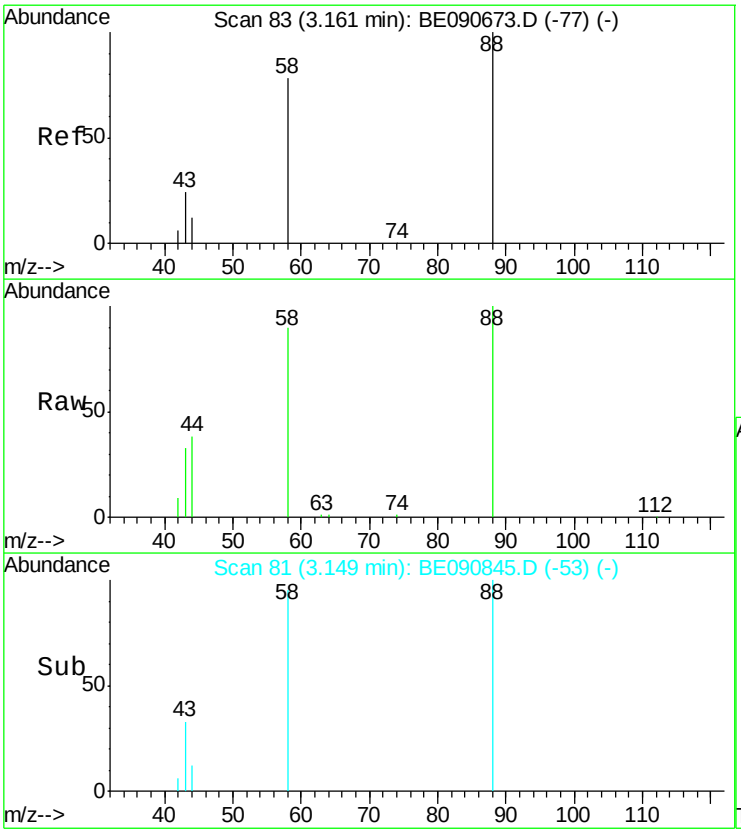
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.54 min Scan# 836
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:152 Resp: 32967

Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.2	183.4
115	68.7	51.0	76.4

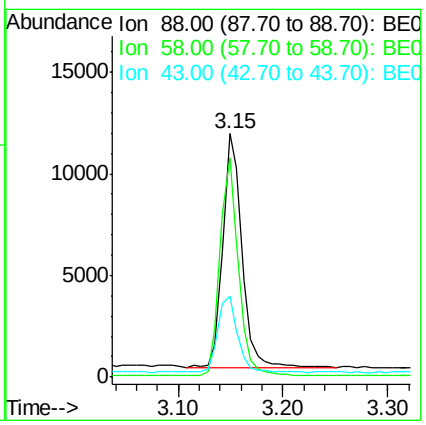


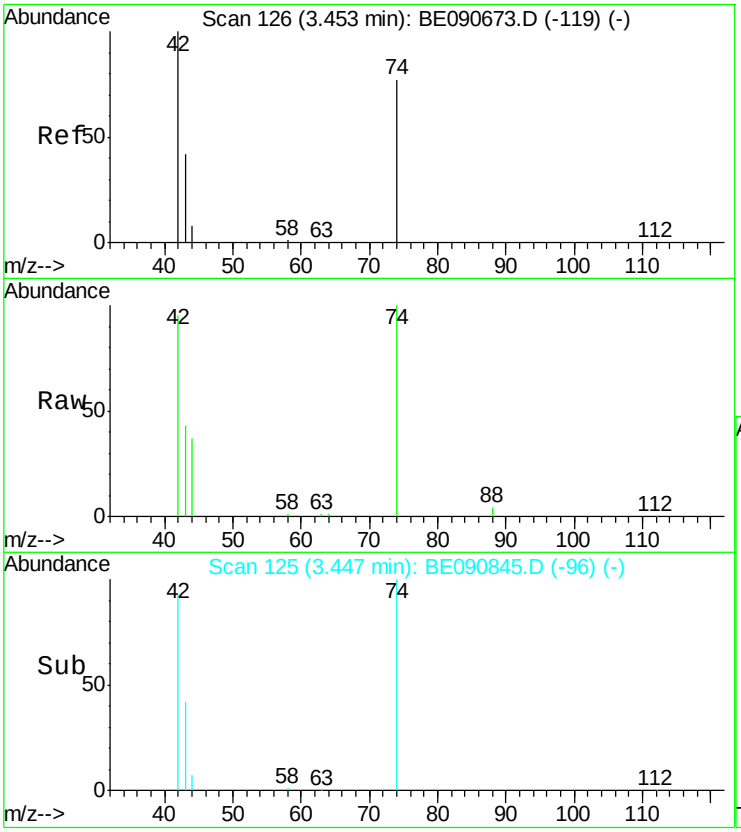


#2
1,4-Dioxane
Concen: 3.32 ng
RT: 3.15 min Scan# 81
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion: 88 Resp: 14487

Ion	Ratio	Lower	Upper
88	100		
58	89.8	68.4	102.6
43	33.4	26.9	40.3



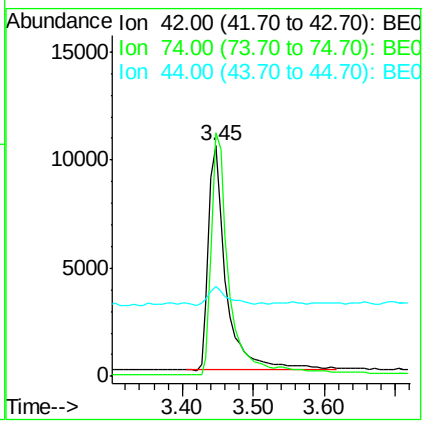


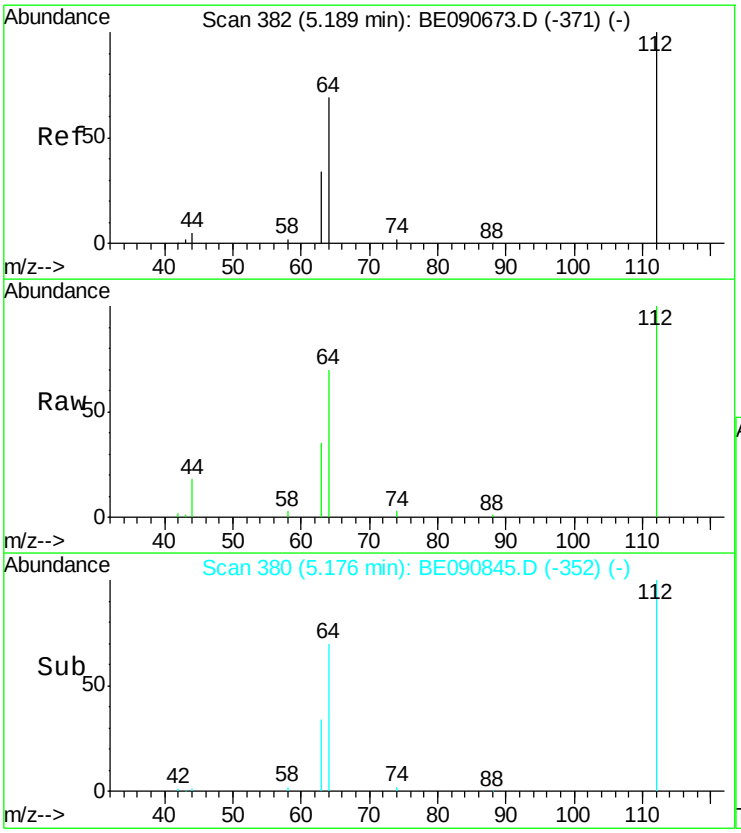
#3
n-Nitrosodimethylamine
Concen: 3.07 ng
RT: 3.45 min Scan# 125
Delta R.T. -0.00 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion: 42 Resp: 18115

Ion	Ratio	Lower	Upper
42	100		
74	102.3	83.7	125.5
44	8.9	10.0	15.0#

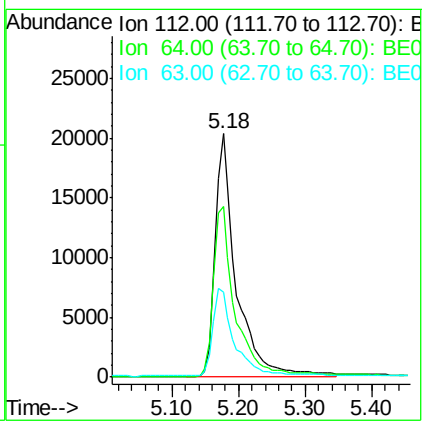


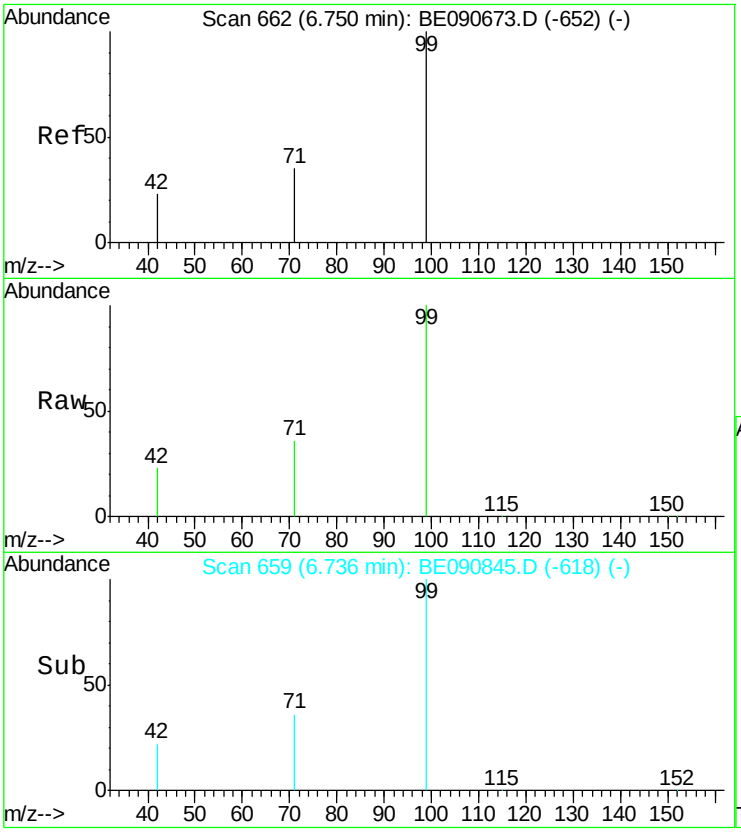


#4
2-Fluorophenol
Concen: 6.82 ng
RT: 5.18 min Scan# 380
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:112 Resp: 43805

Ion	Ratio	Lower	Upper
112	100		
64	72.4	57.3	85.9
63	37.4	29.2	43.8



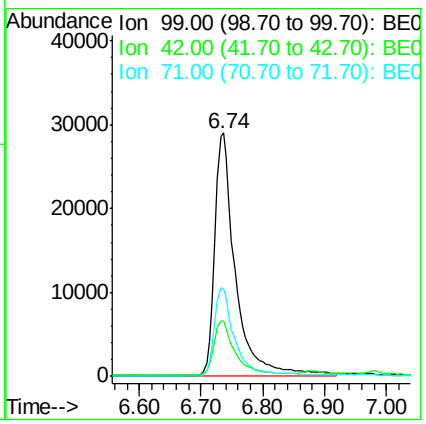


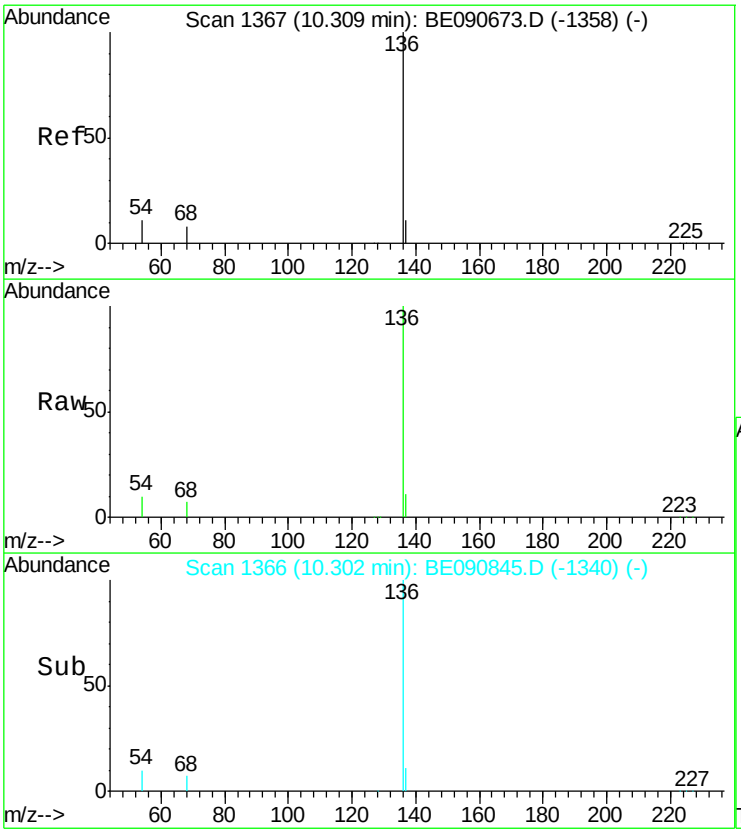
#5
Phenol-d6
Concen: 7.35 ng
RT: 6.74 min Scan# 659
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion: 99 Resp: 67492

Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.8	25.2
71	36.4	28.3	42.5

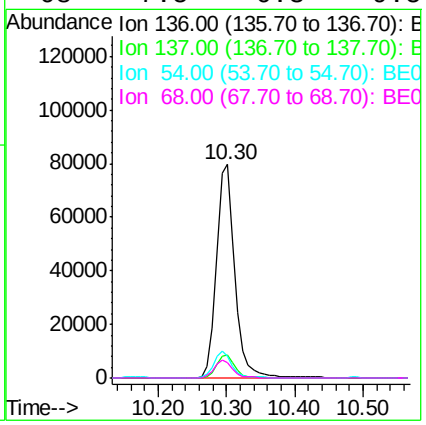


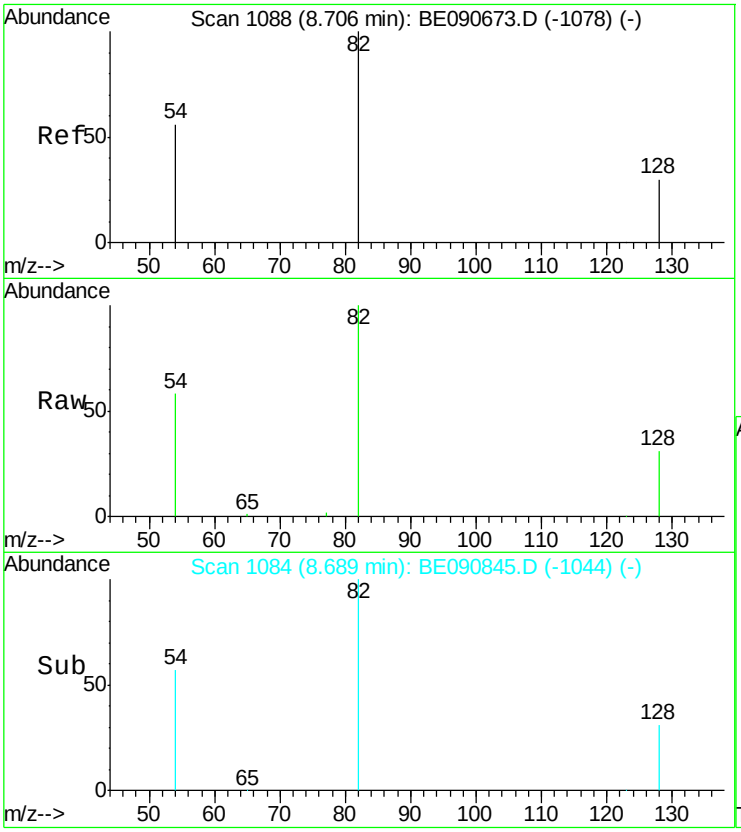


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.30 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:136 Resp: 148734

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.5	9.0	13.6
68	7.5	6.3	9.5

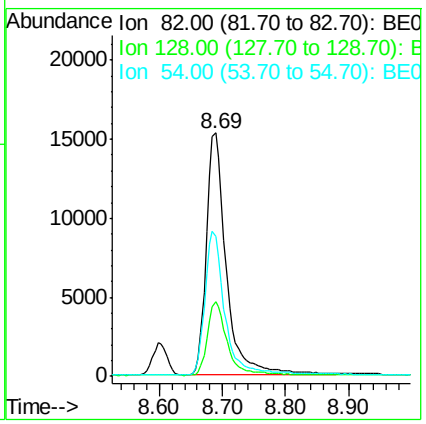




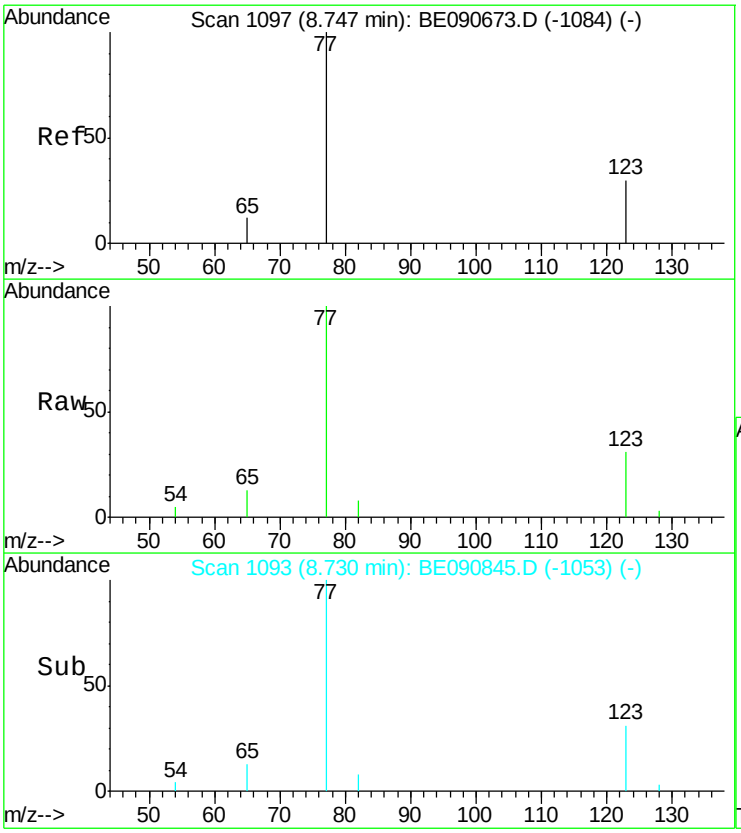
#7
Nitrobenzene-d5
Concen: 3.43 ng
RT: 8.69 min Scan# 1084
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion: 82 Resp: 33731

Ion	Ratio	Lower	Upper
82	100		
128	30.8	25.0	37.4
54	57.6	46.3	69.5



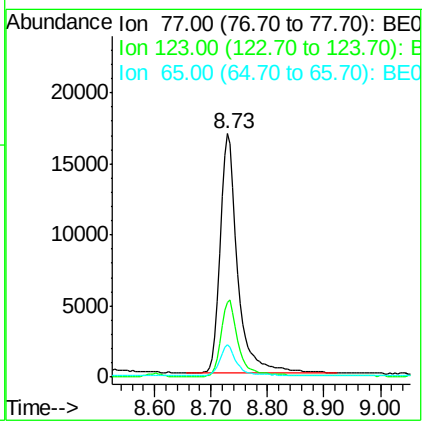
Instrument :
BNA_E
ClientSampleId :
PB85578BS

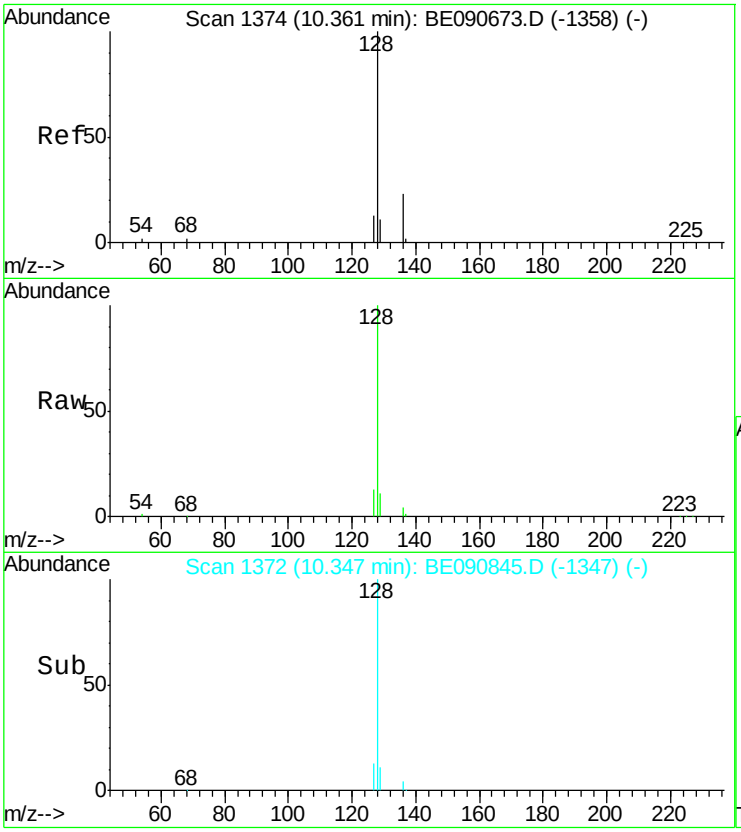


#8
Nitrobenzene
Concen: 3.02 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion: 77 Resp: 35901

Ion	Ratio	Lower	Upper
77	100		
123	31.9	25.1	37.7
65	12.5	9.9	14.9



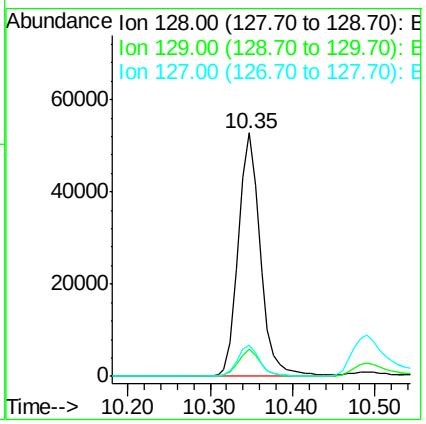


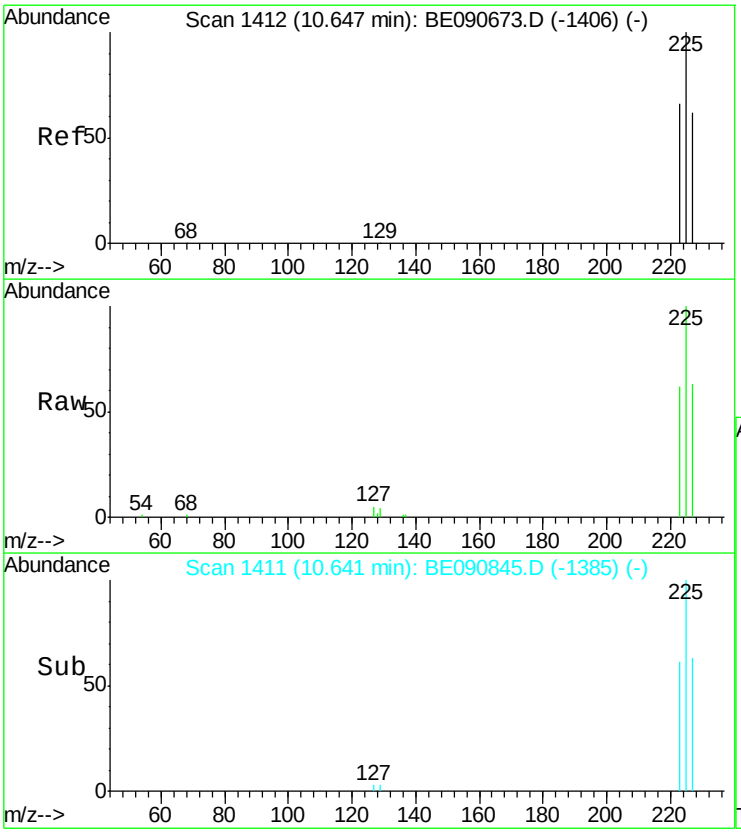
#9
Naphthalene
Concen: 2.98 ng
RT: 10.35 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:128 Resp: 96809

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.0	10.6	15.8

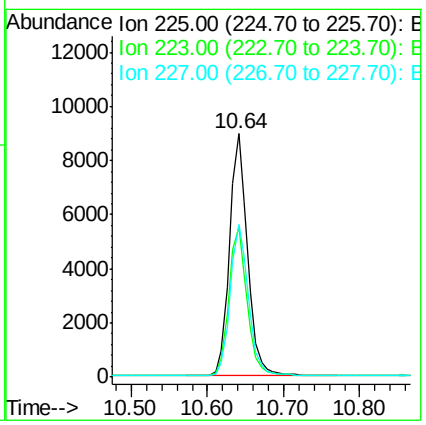


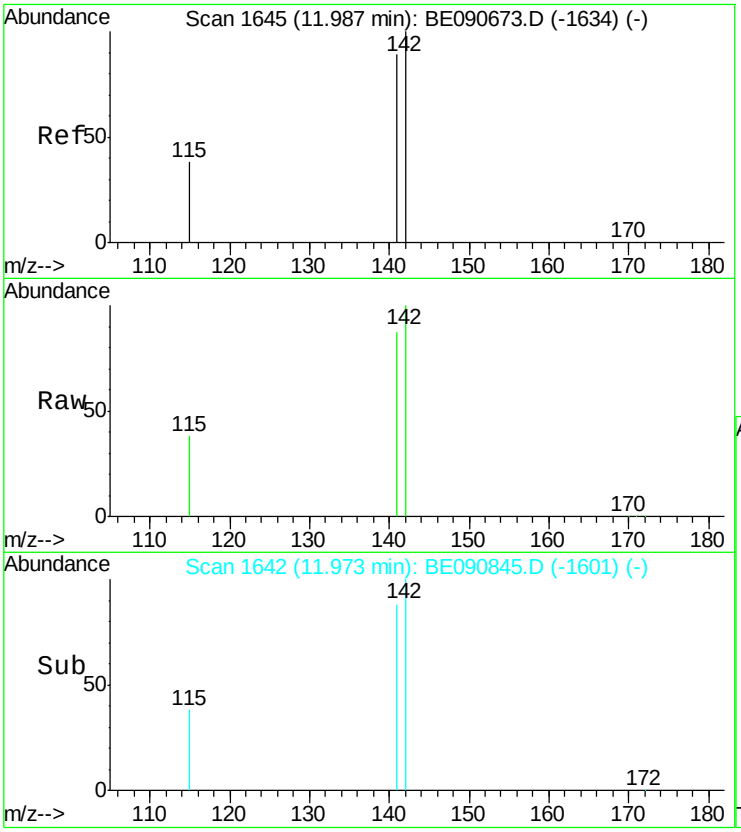


#10
Hexachlorobutadiene
Concen: 2.88 ng
RT: 10.64 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:225 Resp: 14617

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.6	76.0
227	63.9	51.0	76.6



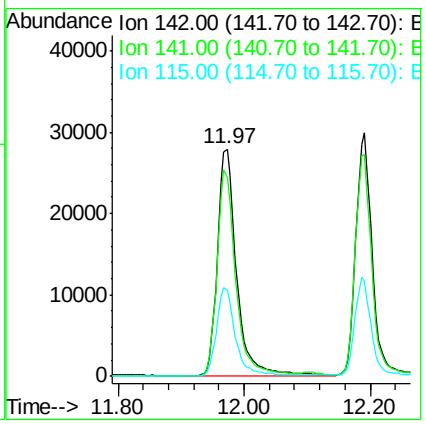


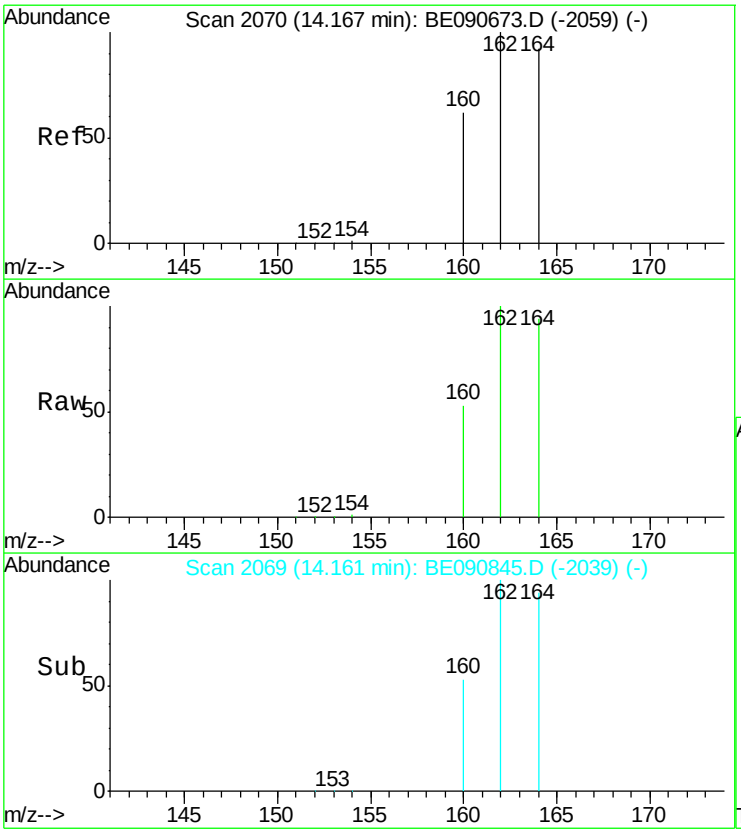
#11
2-Methylnaphthalene
Concen: 3.34 ng
RT: 11.97 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:142 Resp: 58539

Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.4	107.2
115	38.0	31.0	46.4

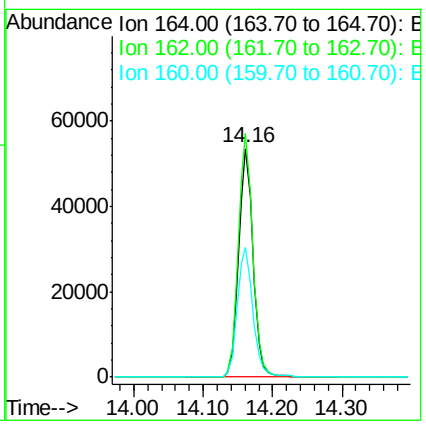


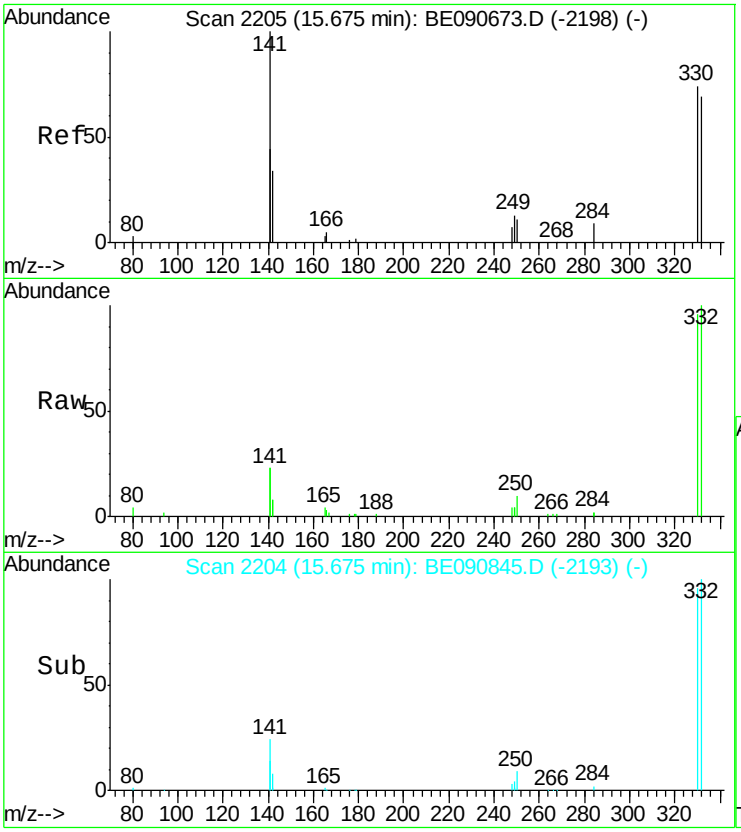


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.16 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:164 Resp: 77580

Ion	Ratio	Lower	Upper
164	100		
162	106.7	86.8	130.2
160	56.9	53.9	80.9



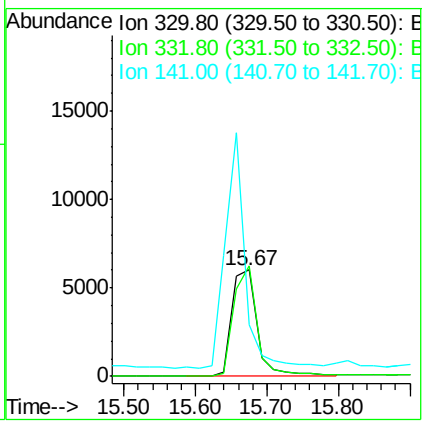


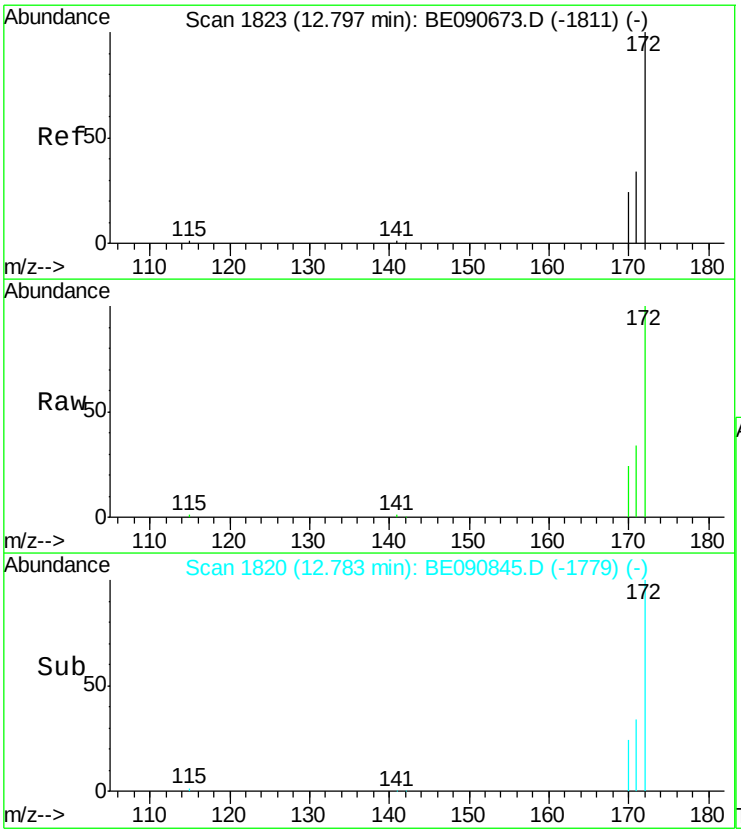
#13
2,4,6-Tribromophenol
Concen: 6.31 ng
RT: 15.67 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:330 Resp: 14297

Ion	Ratio	Lower	Upper
330	100		
332	95.3	74.9	112.3
141	175.4	145.2	217.8

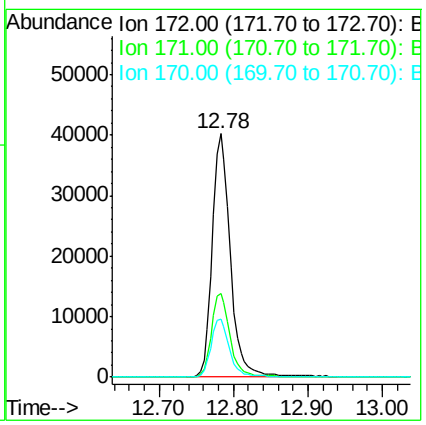


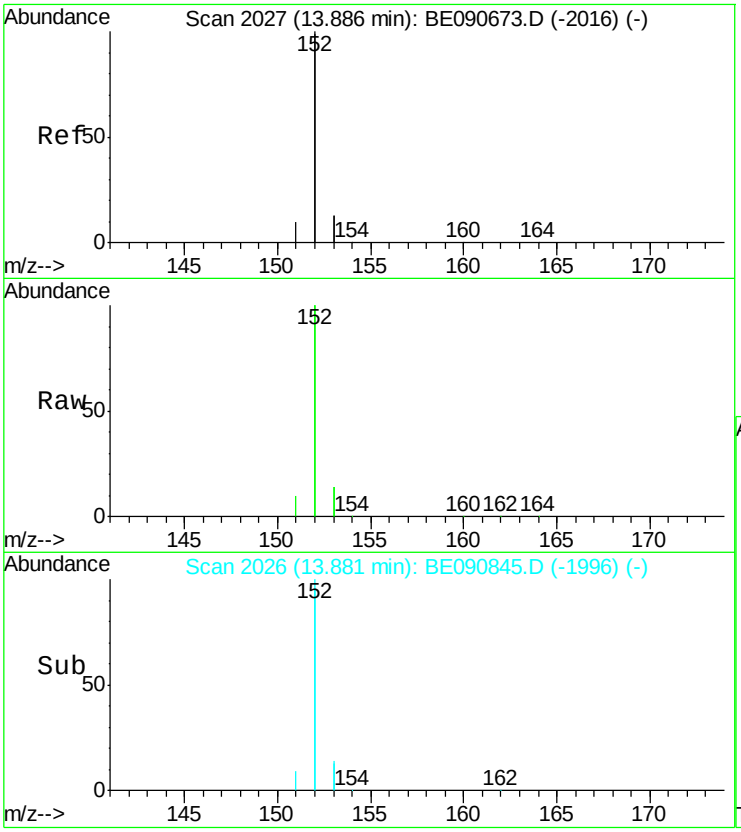


#14
2-Fluorobiphenyl
Concen: 3.16 ng
RT: 12.78 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:172 Resp: 67834

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.8
170	23.8	19.8	29.6



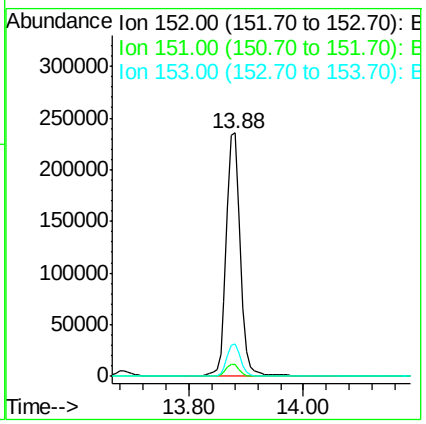


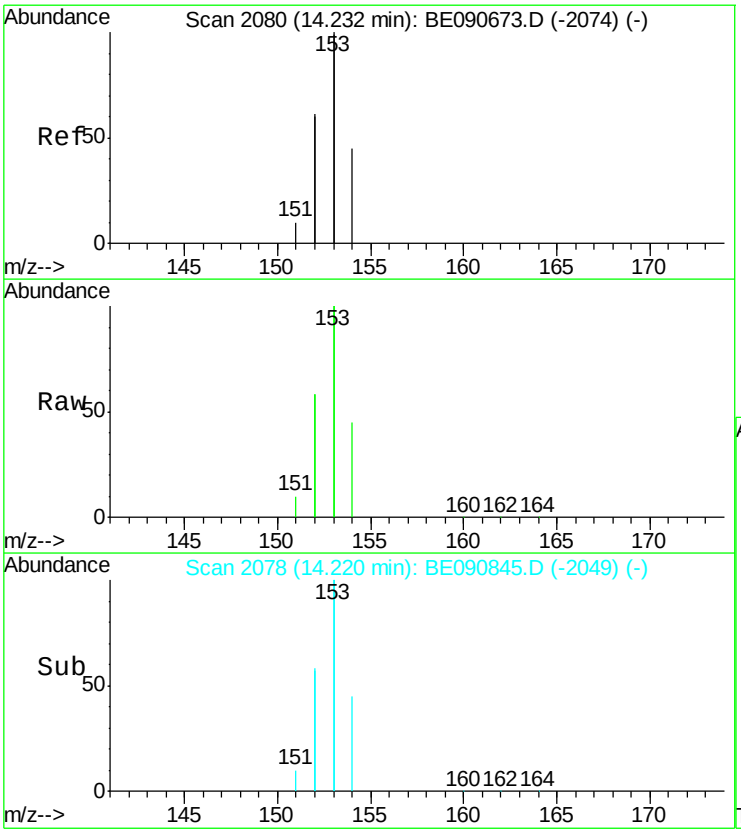
#15
Acenaphthylene
Concen: 3.20 ng
RT: 13.88 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:152 Resp: 397360

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.3	15.5

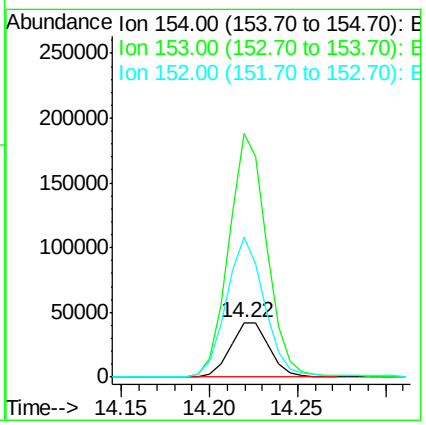


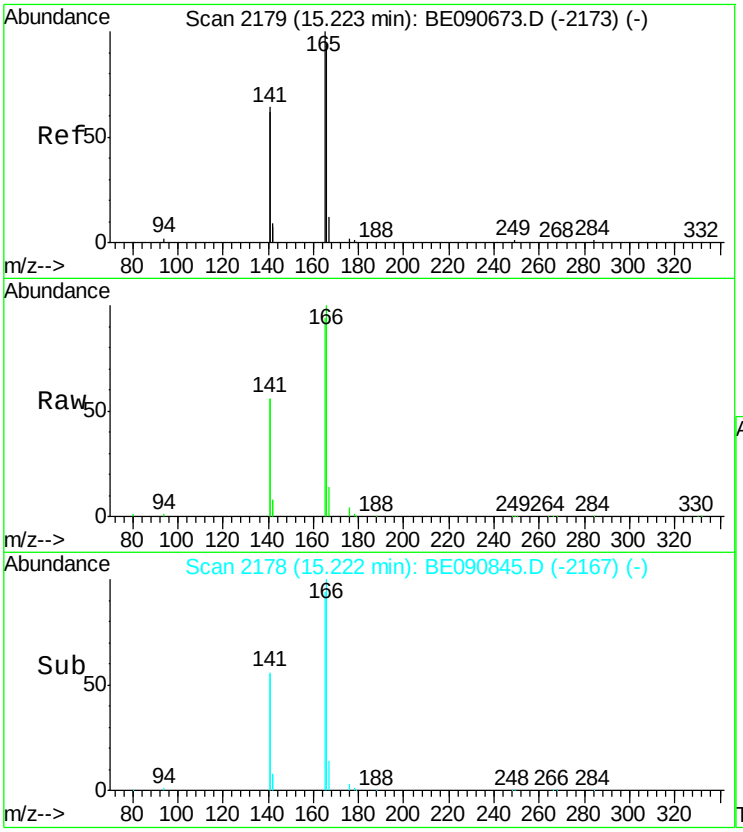


#16
Acenaphthene
Concen: 3.08 ng
RT: 14.22 min Scan# 2078
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:154 Resp: 63720

Ion	Ratio	Lower	Upper
154	100		
153	439.7	354.5	531.7
152	253.1	227.8	341.6



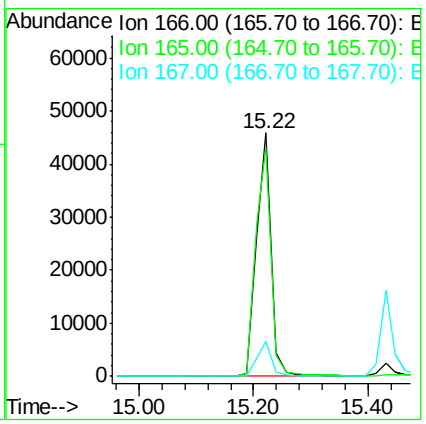


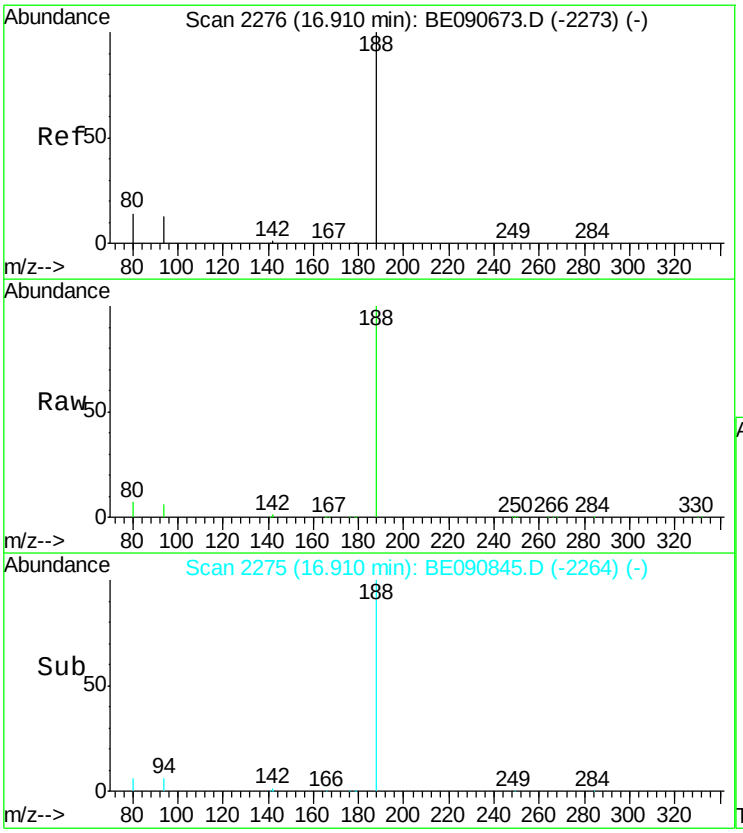
#17
Fluorene
Concen: 3.19 ng
RT: 15.22 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:166 Resp: 82357

Ion	Ratio	Lower	Upper
166	100		
165	99.1	82.7	124.1
167	13.7	10.7	16.1

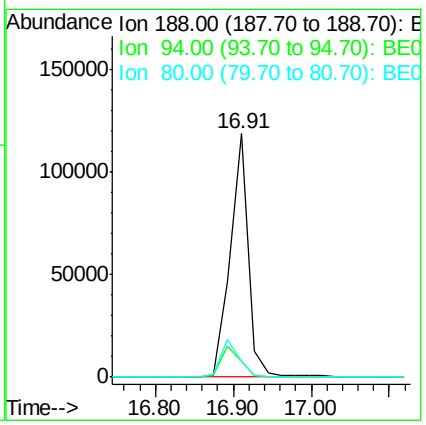


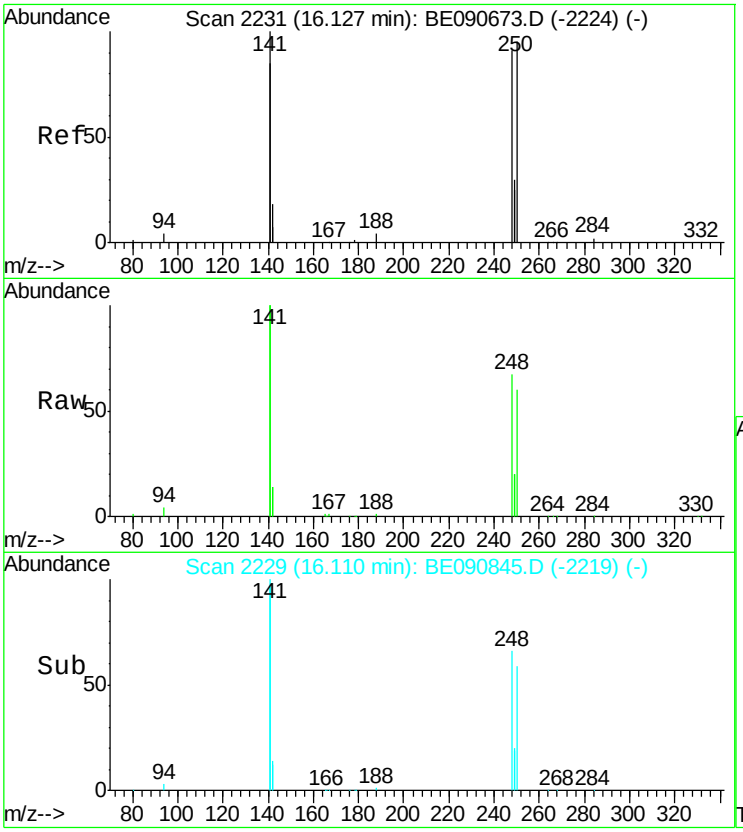


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:188 Resp: 190852

Ion	Ratio	Lower	Upper
188	100		
94	6.4	10.3	15.5#
80	6.6	11.0	16.6#



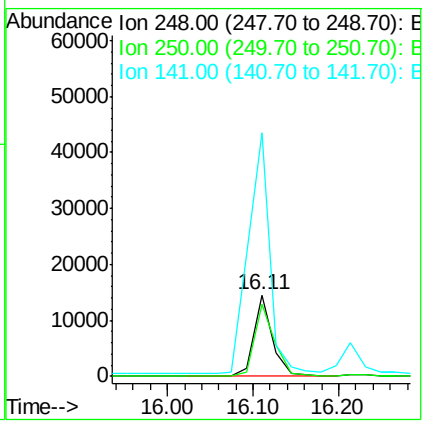


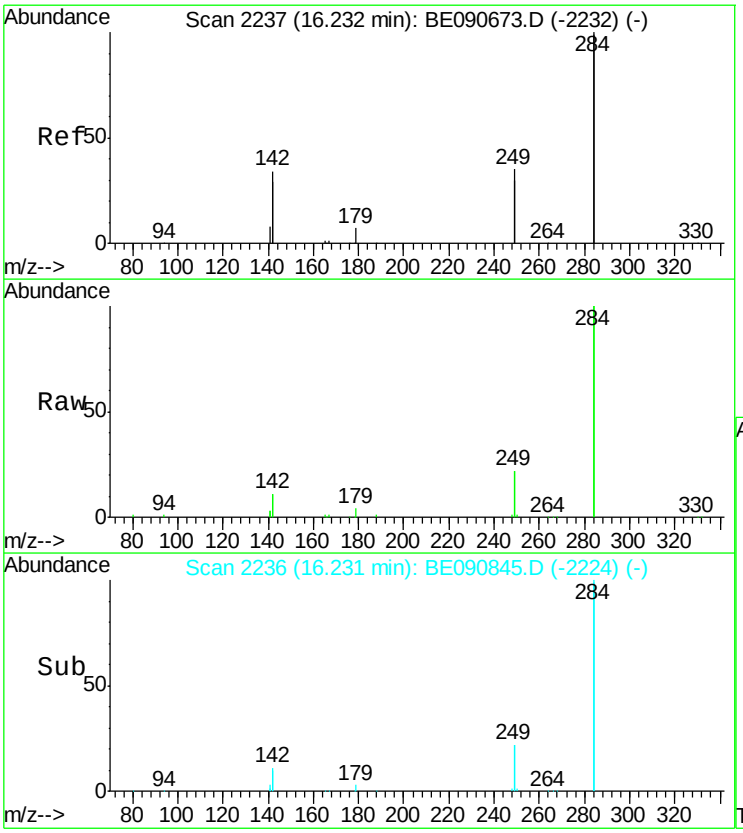
#19
4-Bromophenyl-phenylether
Concen: 3.32 ng
RT: 16.11 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:248 Resp: 21600

Ion	Ratio	Lower	Upper
248	100		
250	96.3	76.7	115.1
141	345.6	292.6	439.0

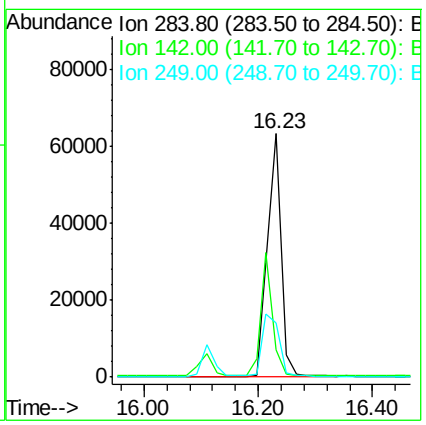


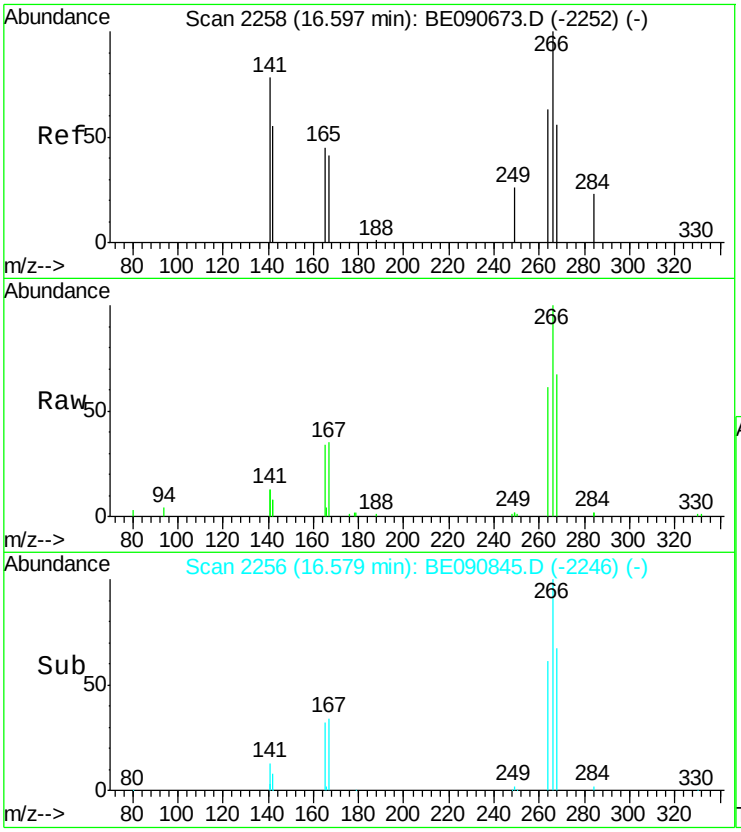


#20
Hexachlorobenzene
Concen: 3.30 ng
RT: 16.23 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:284 Resp: 103720

Ion	Ratio	Lower	Upper
284	100		
142	44.2	35.0	52.4
249	31.7	25.5	38.3



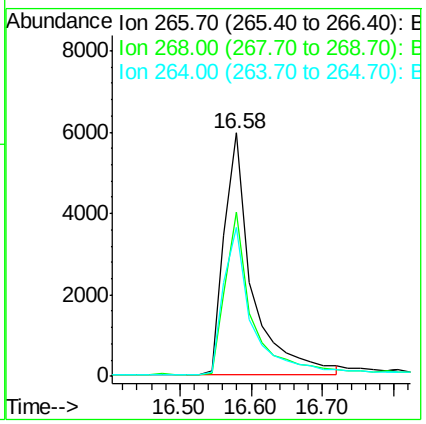


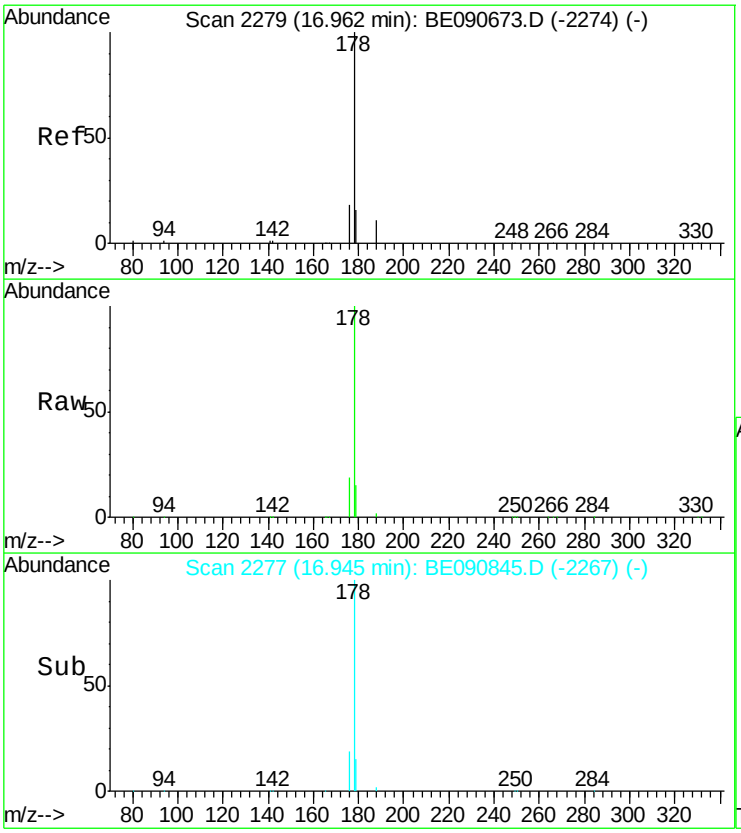
#21
Pentachlorophenol
Concen: 6.13 ng
RT: 16.58 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:266 Resp: 15953

Ion	Ratio	Lower	Upper
266	100		
268	67.5	49.6	74.4
264	61.2	53.9	80.9

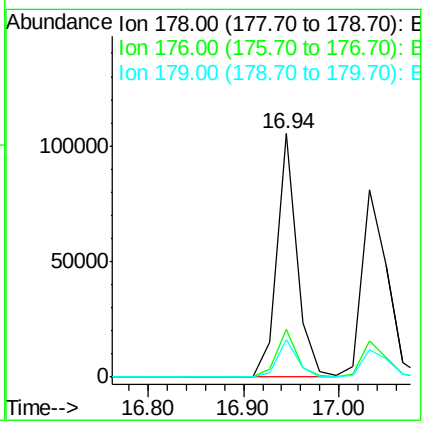


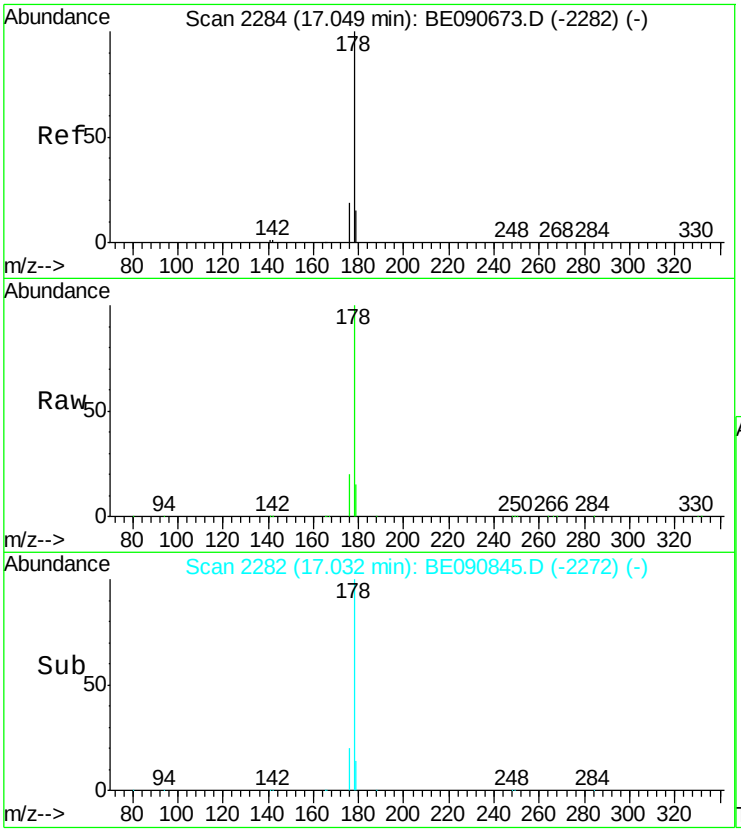


#22
Phenanthrene
Concen: 3.24 ng
RT: 16.94 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:178 Resp: 153278

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.5	12.8	19.2



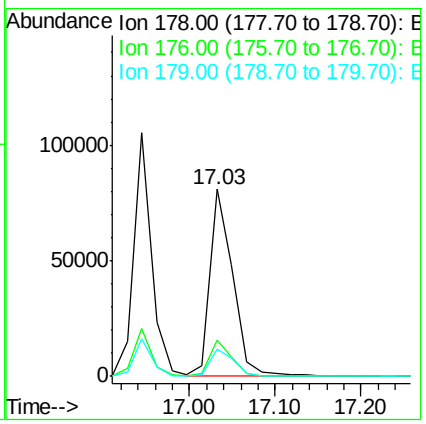


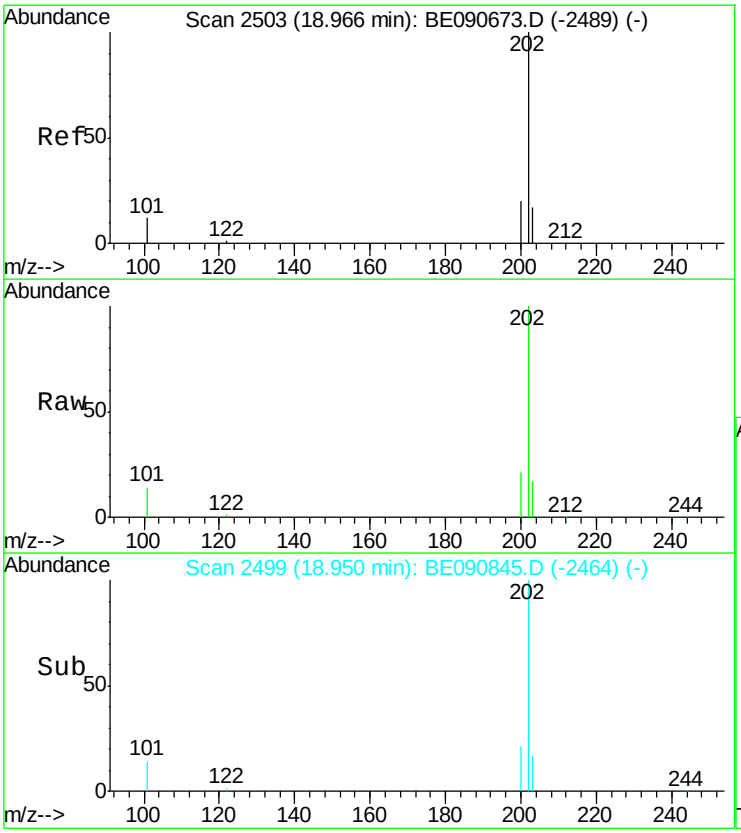
#23
Anthracene
Concen: 3.76 ng
RT: 17.03 min Scan# 2282
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:178 Resp: 148388

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	14.9	12.3	18.5

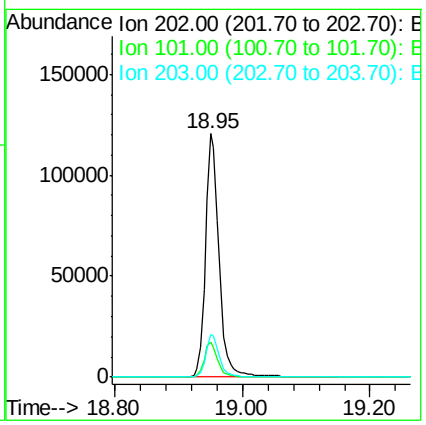


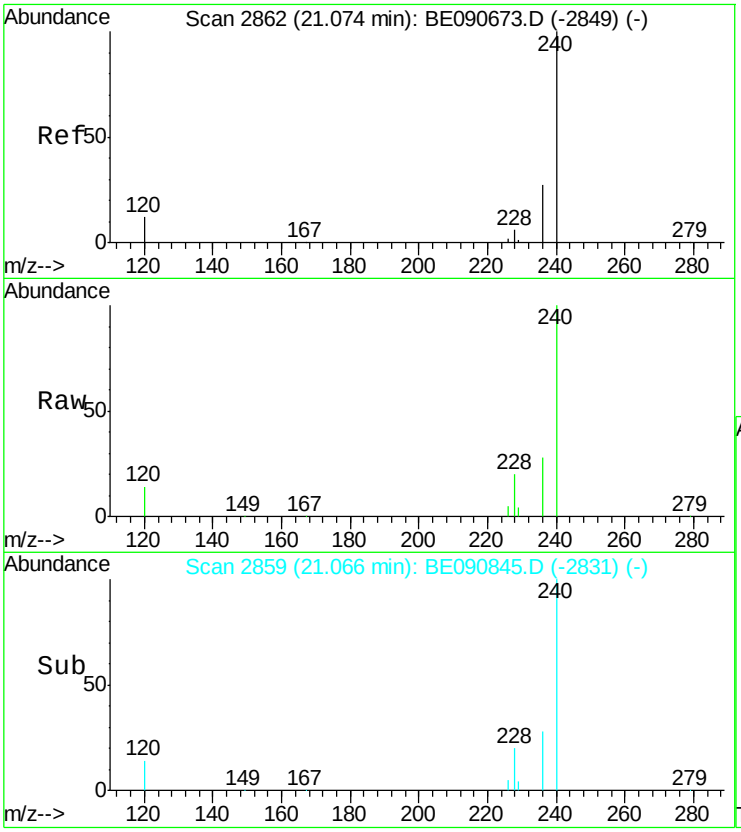


#24
Fluoranthene
Concen: 3.59 ng
RT: 18.95 min Scan# 2499
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:202 Resp: 178487

Ion	Ratio	Lower	Upper
202	100		
101	14.3	11.0	16.6
203	17.3	13.9	20.9



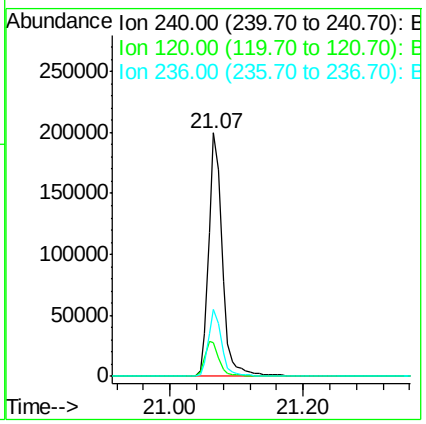


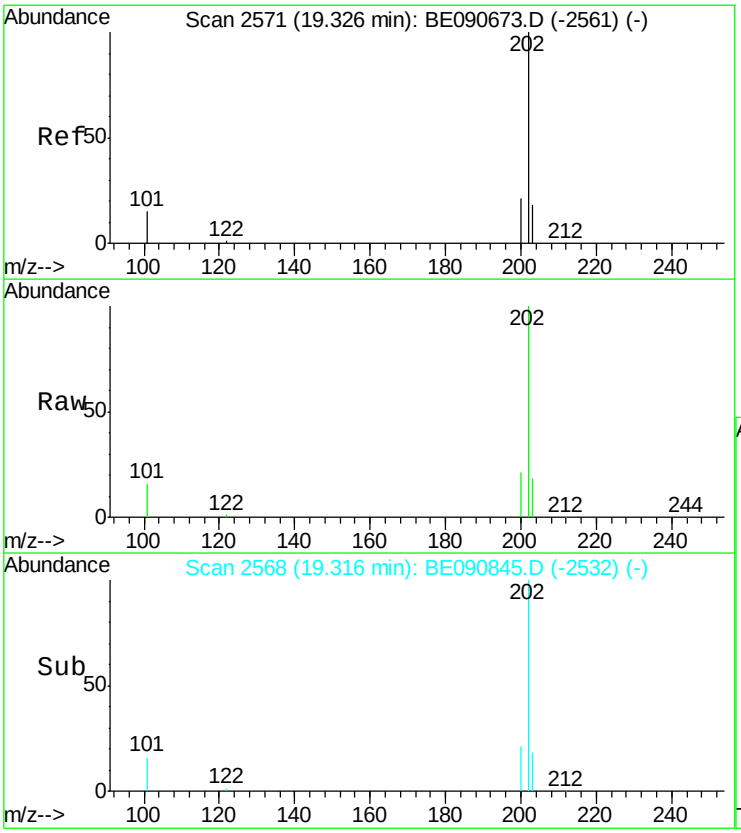
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:240 Resp: 277850

Ion	Ratio	Lower	Upper
240	100		
120	14.0	10.1	15.1
236	27.6	21.9	32.9

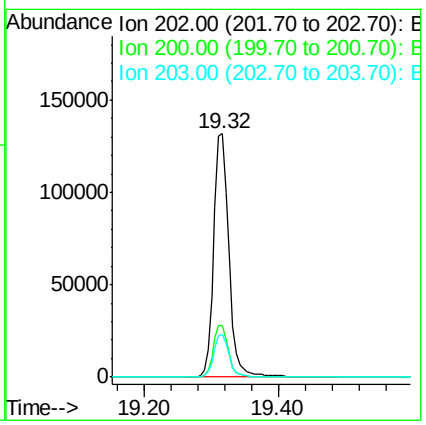


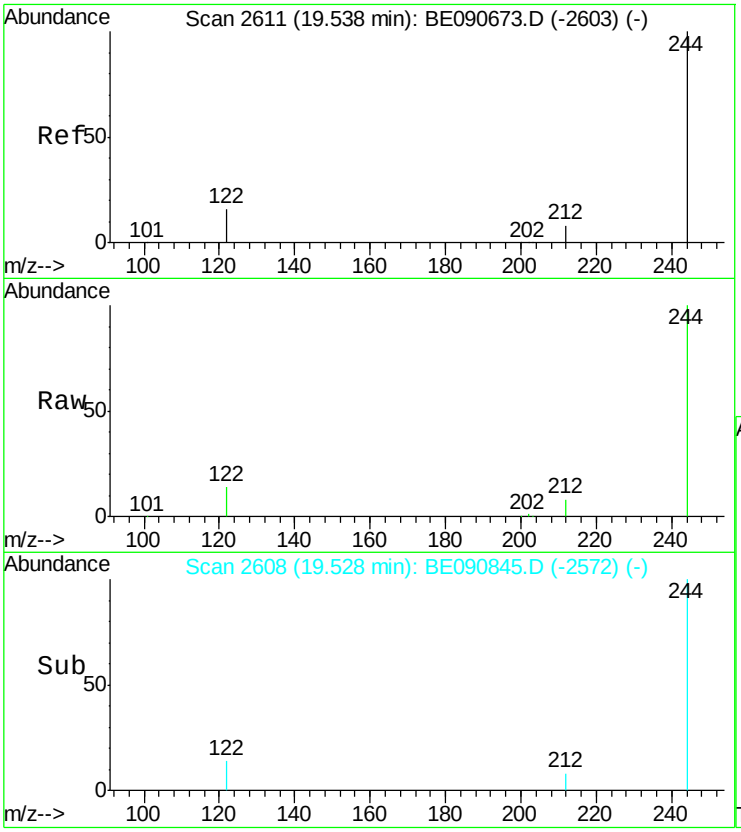


#26
Pyrene
Concen: 3.55 ng
RT: 19.32 min Scan# 2568
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:202 Resp: 203878

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.9	13.8	20.6



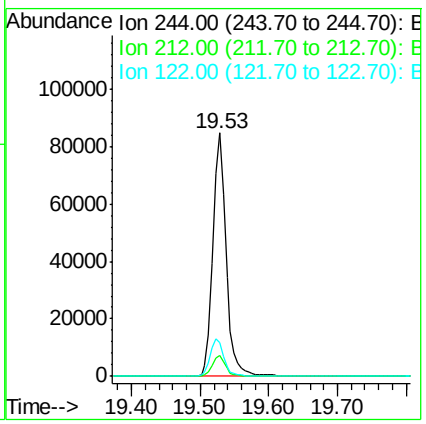


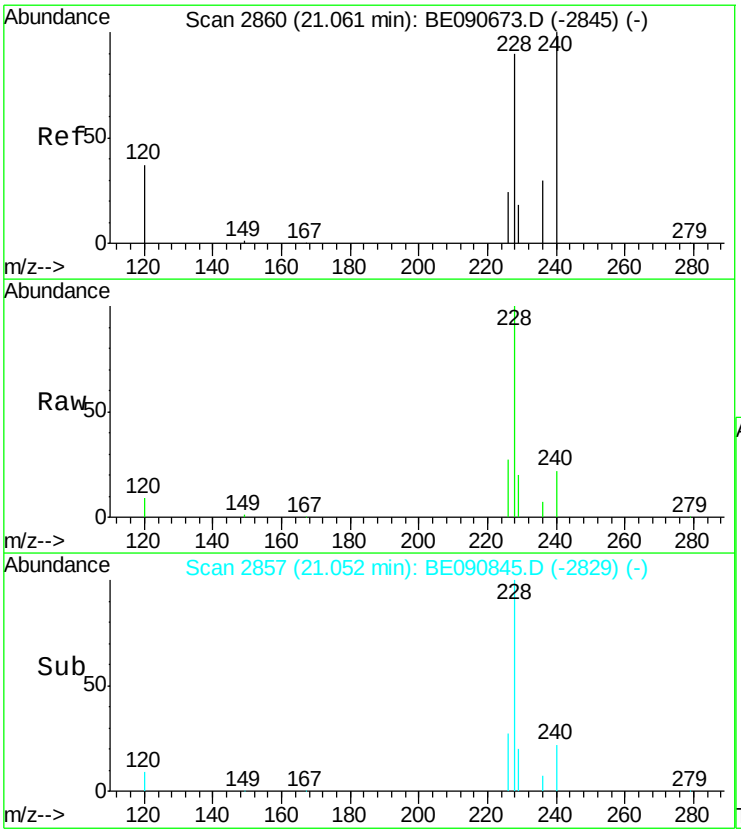
#27
Terphenyl-d14
Concen: 3.65 ng
RT: 19.53 min Scan# 2608
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:244 Resp: 112308

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.9	10.3
122	13.8	12.9	19.3

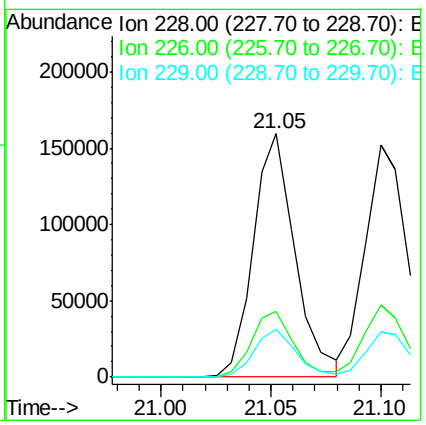


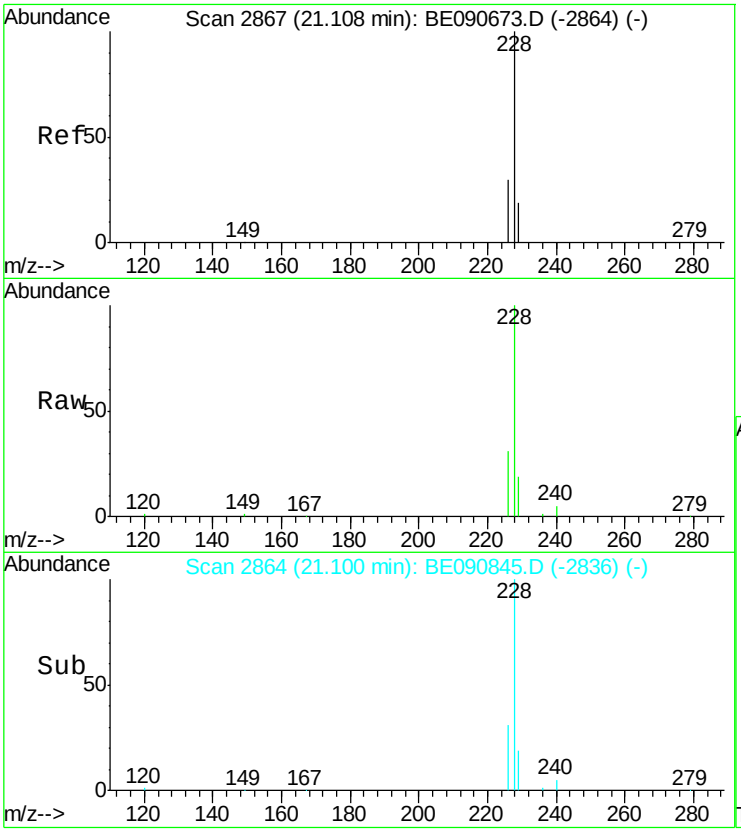


#28
Benzo(a)anthracene
Concen: 3.47 ng
RT: 21.05 min Scan# 2857
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:228 Resp: 211275

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.6	32.4
229	19.9	15.9	23.9



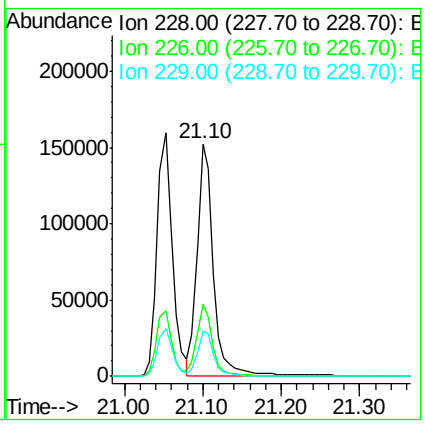


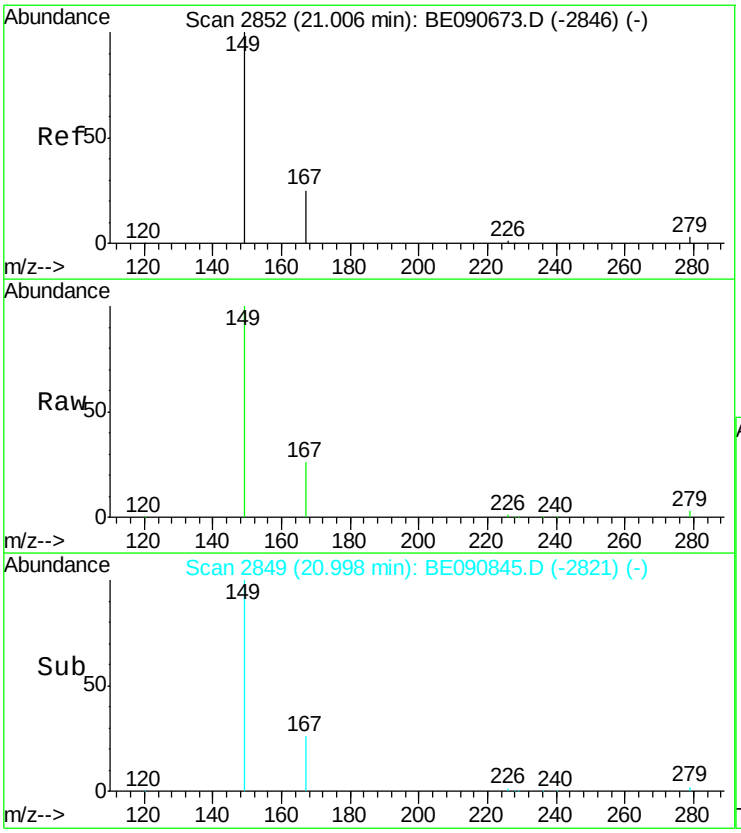
#29
Chrysene
Concen: 3.38 ng
RT: 21.10 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:228 Resp: 218325

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.4
229	19.3	15.3	22.9

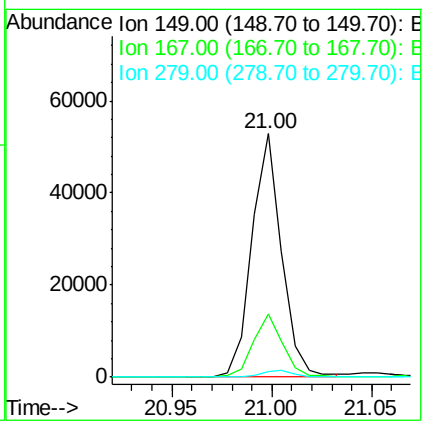


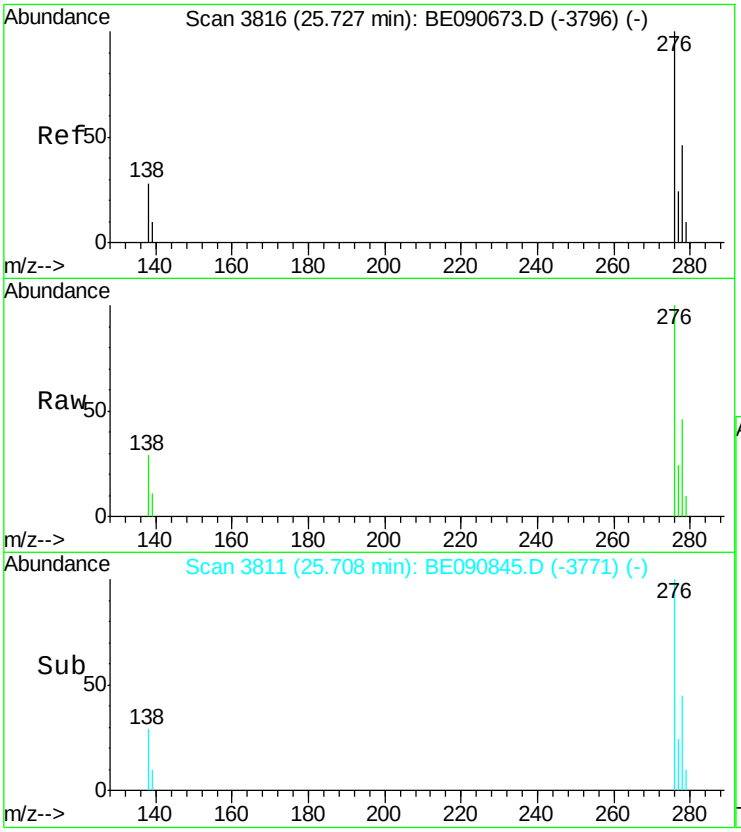


#30
Bis(2-ethylhexyl)phthalate
Concen: 2.92 ng
RT: 21.00 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:149 Resp: 54349

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.1	30.1
279	3.0	2.3	3.5



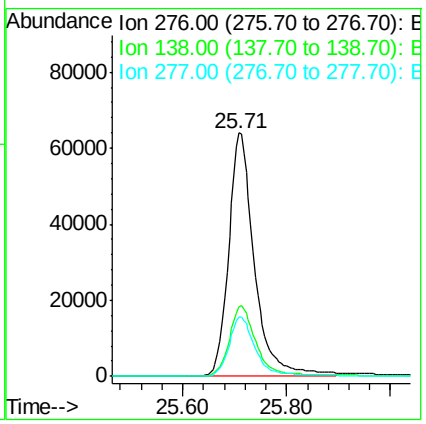


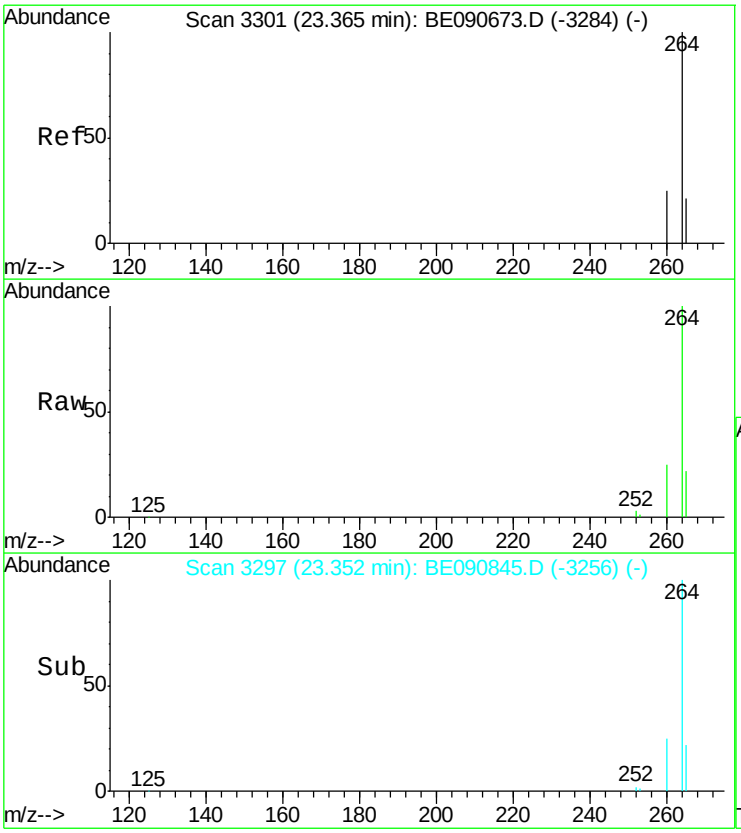
#31
Indeno(1,2,3-cd)pyrene
Concen: 3.33 ng
RT: 25.71 min Scan# 3811
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:276 Resp: 218888

Ion	Ratio	Lower	Upper
276	100		
138	30.3	23.3	34.9
277	25.1	19.8	29.6

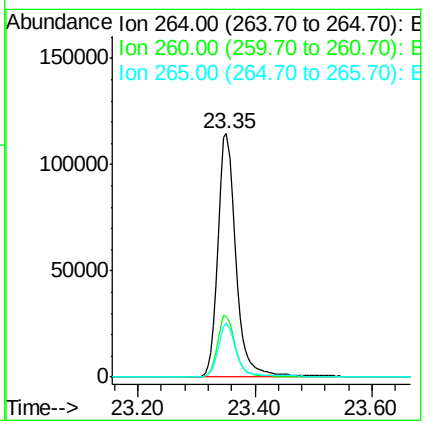


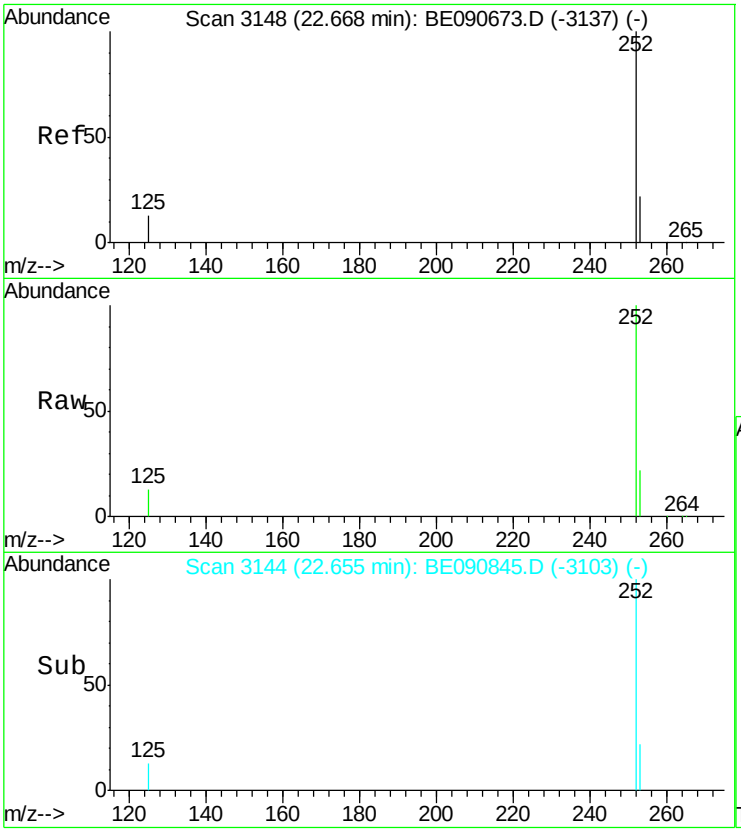


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3297
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:264 Resp: 242297

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.1	17.5	26.3



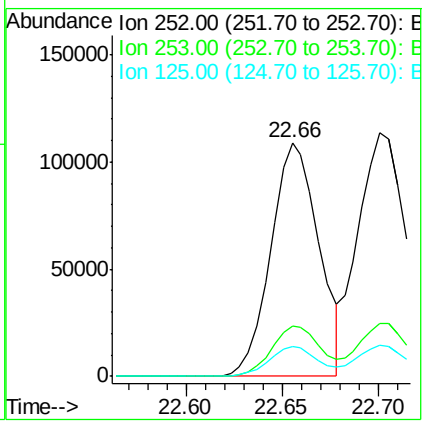


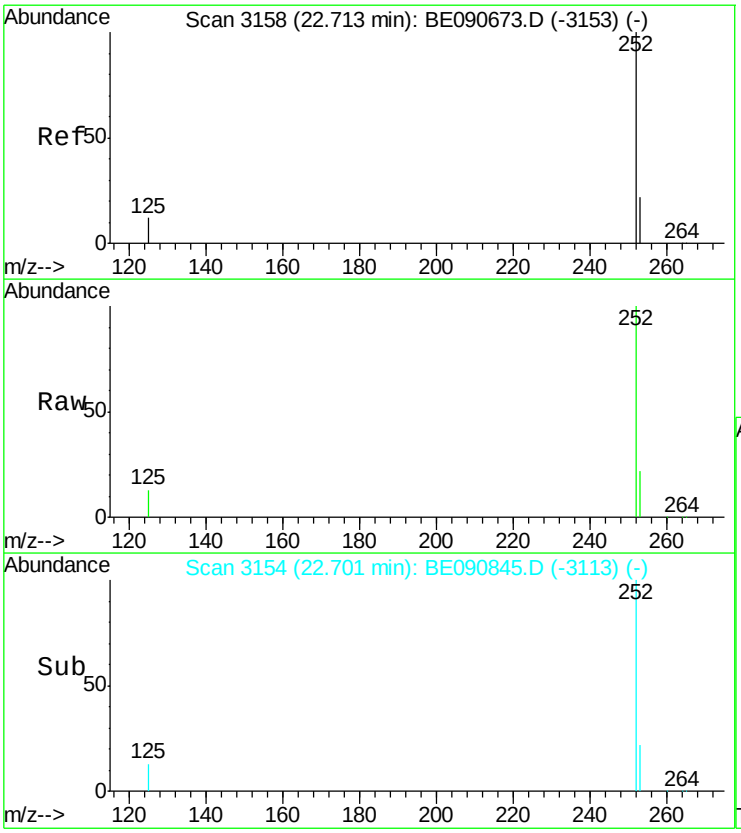
#33
Benzo(b)fluoranthene
Concen: 3.59 ng
RT: 22.66 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:252 Resp: 188610

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	12.8	10.6	16.0

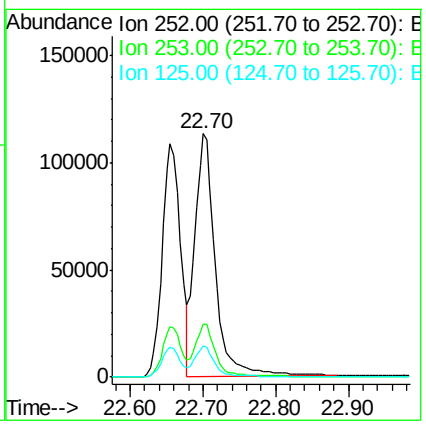


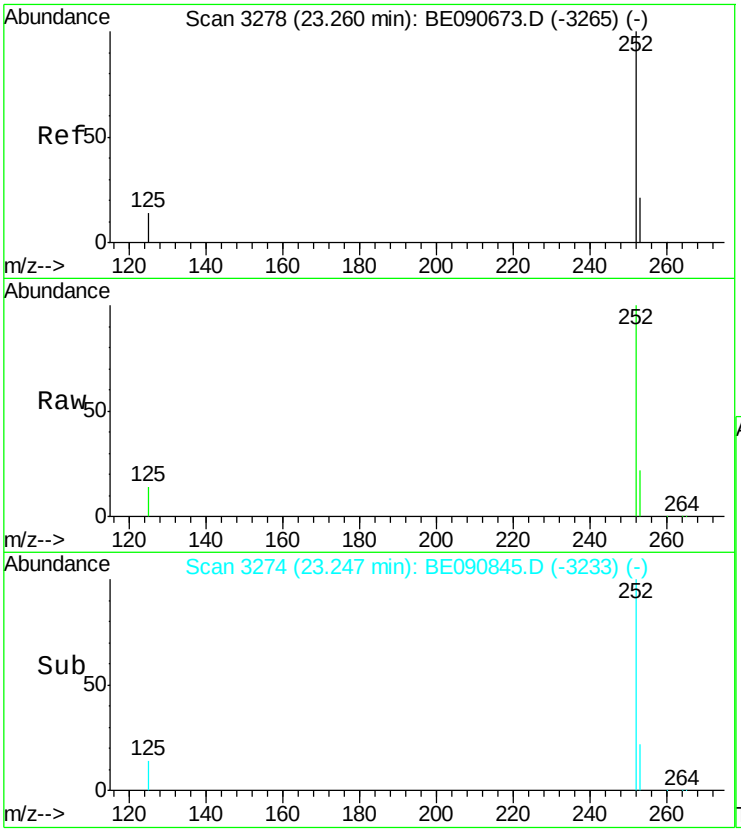


#34
Benzo(k)fluoranthene
Concen: 3.57 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:252 Resp: 218205

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	12.9	10.1	15.1



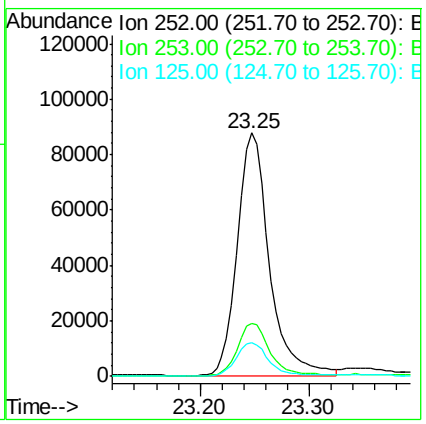


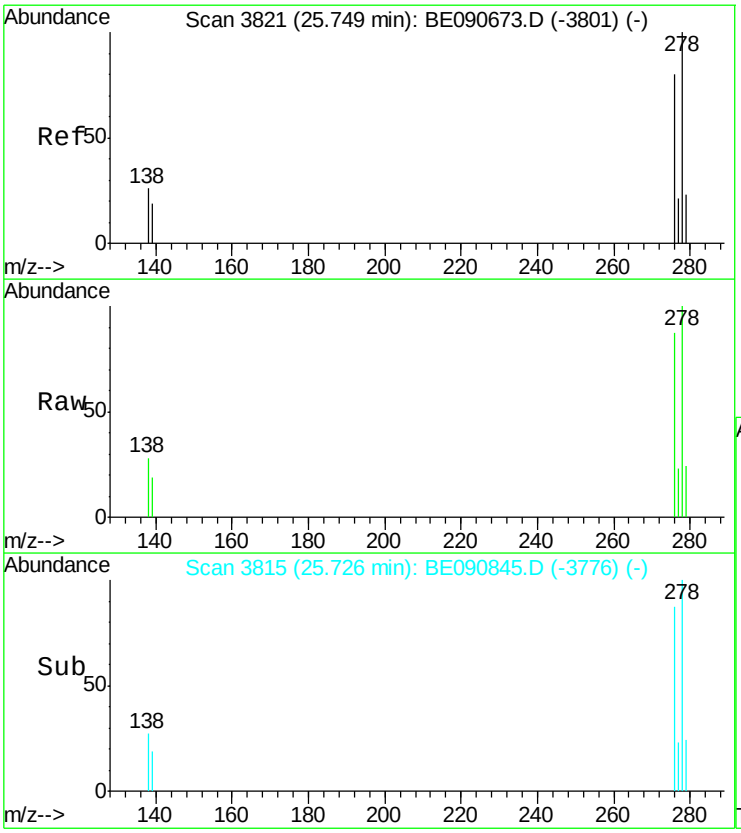
#35
Benzo(a)pyrene
Concen: 3.79 ng
RT: 23.25 min Scan# 3274
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:252 Resp: 178266

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.1	11.6	17.4

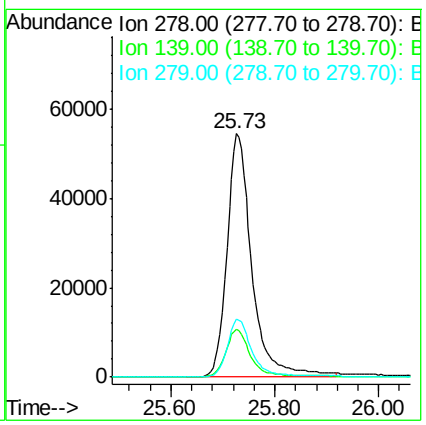


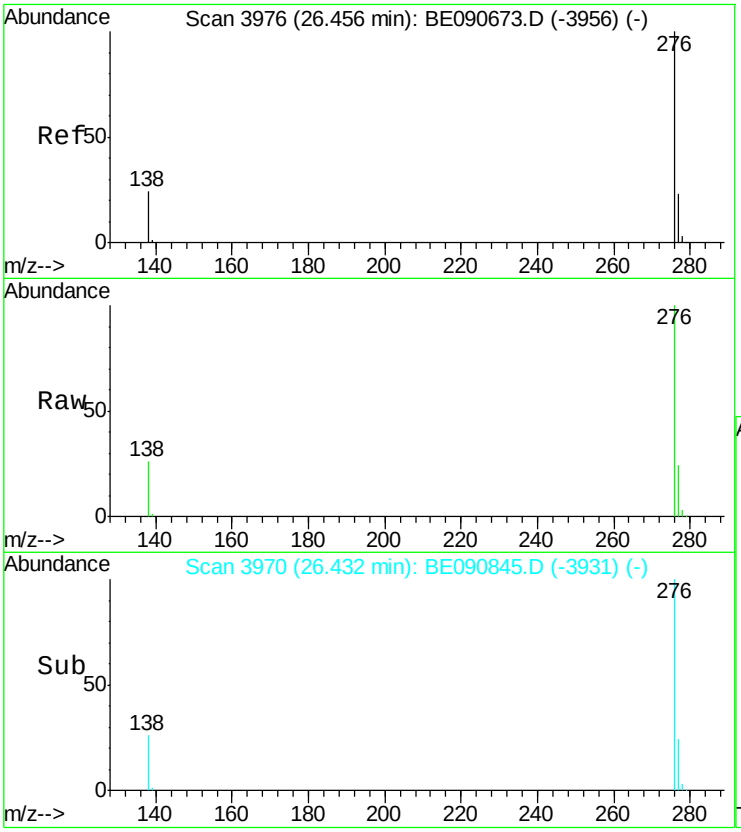


#36
Dibenzo(a,h)anthracene
Concen: 3.19 ng
RT: 25.73 min Scan# 3815
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:278 Resp: 179878

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.4	23.0
279	23.7	18.8	28.2





#37
Benzo(g,h,i)perylene
Concen: 3.45 ng
RT: 26.43 min Scan# 3970
Delta R.T. -0.02 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tgt Ion:276 Resp: 186600

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	25.8	20.1	30.1