Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090815\
Data File : BE090749.D
Acq On : 8 Sep 2015 15:34
Operator : UM/IZ
Sample : PB85439BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB85439BS

Quant Time: Sep 08 23:06:54 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 23:05:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	40070	5.00	ng		0.00
6) Naphthalene-d8	10.30	136	187571	5.00	ng		0.00
12) Acenaphthene-d10	14.17	164	103076	5.00	ng		0.00
18) Phenanthrene-d10	16.91	188	238281	5.00	ng		0.00
25) Chrysene-d12	21.07	240	300395	5.00	ng		0.00
32) Perylene-d12	23.36	264	268291	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	63316	8.10	ng		0.00
5) Phenol-d6	6.74	99	97578	8.75	ng		-0.01
7) Nitrobenzene-d5	8.69	82	49039	3.96	ng		0.00
13) 2,4,6-Tribromophenol	15.67	330	25481	8.41	ng		0.00
14) 2-Fluorobiphenyl	12.79	172	102644	3.60	ng		0.00
27) Terphenyl-d14	19.53	244	150372	4.52	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.16	88	19514	3.70	ng		99
3) n-Nitrosodimethylamine	3.45	42	24519	3.43	ng	#	97
8) Nitrobenzene	8.73	77	51523	3.42	ng		99
9) Naphthalene	10.35	128	134013	3.28	ng		99
10) Hexachlorobutadiene	10.65	225	19413	3.03	ng		100
11) 2-Methylnaphthalene	11.98	142	87113	3.94	ng		98
15) Acenaphthylene	13.88	152	606274	3.68	ng		100
16) Acenaphthene	14.23	154	93880	3.41	ng		90
17) Fluorene	15.22	166	123576	3.60	ng		97
19) 4-Bromophenyl-phenylether	16.11	248	31264	3.85	ng		100
20) Hexachlorobenzene	16.23	284	149361	3.82	ng		99
21) Pentachlorophenol	16.58	266	25092	7.61	ng		96
22) Phenanthrene	16.94	178	215425	3.65	ng		99
23) Anthracene	17.05	178	205952	4.18	ng		100
24) Fluoranthene	18.96	202	242131	3.90	ng		99
26) Pyrene	19.32	202	269677	4.34	ng		99
28) Benzo(a)anthracene	21.05	228	257531	3.91	ng		100
29) Chrysene	21.11	228	266908	3.83	ng		99
30) Bis(2-ethylhexyl)phthalate	21.00	149	83329	3.90	ng		99
31) Indeno(1,2,3-cd)pyrene	25.72	276	276892	3.90	ng		99
33) Benzo(b)fluoranthene	22.66	252	230024	3.95	ng		99
34) Benzo(k)fluoranthene	22.70	252	269077	3.97	ng		99
35) Benzo(a)pyrene	23.25	252	222550	4.28	ng		99
36) Dibenzo(a,h)anthracene	25.73	278	227612	3.63	ng		99
37) Benzo(g,h,i)perylene	26.44	276	239866	4.01	ng		99

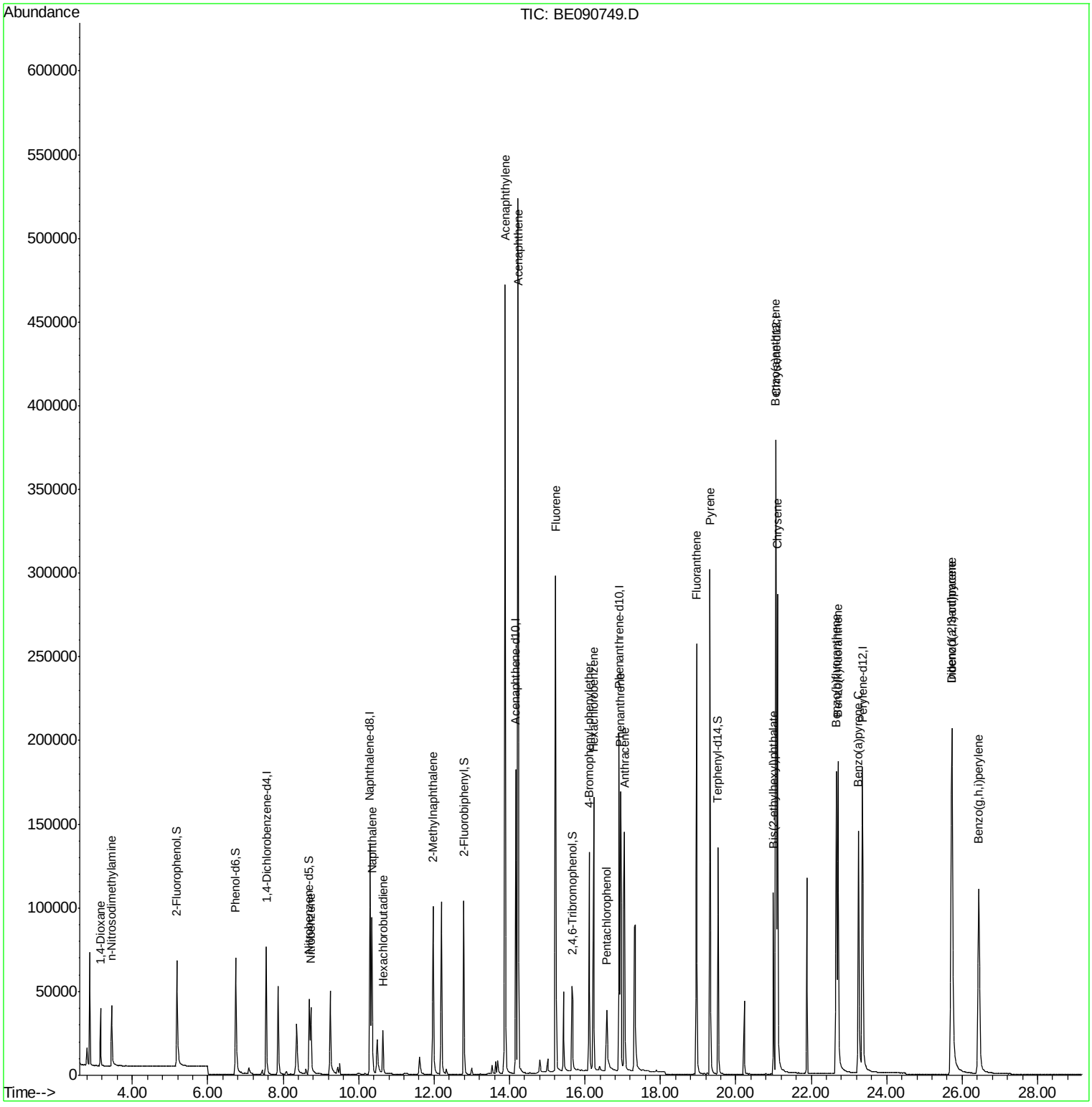
(#) = qualifier out of range (m) = manual integration (+) = signals summed

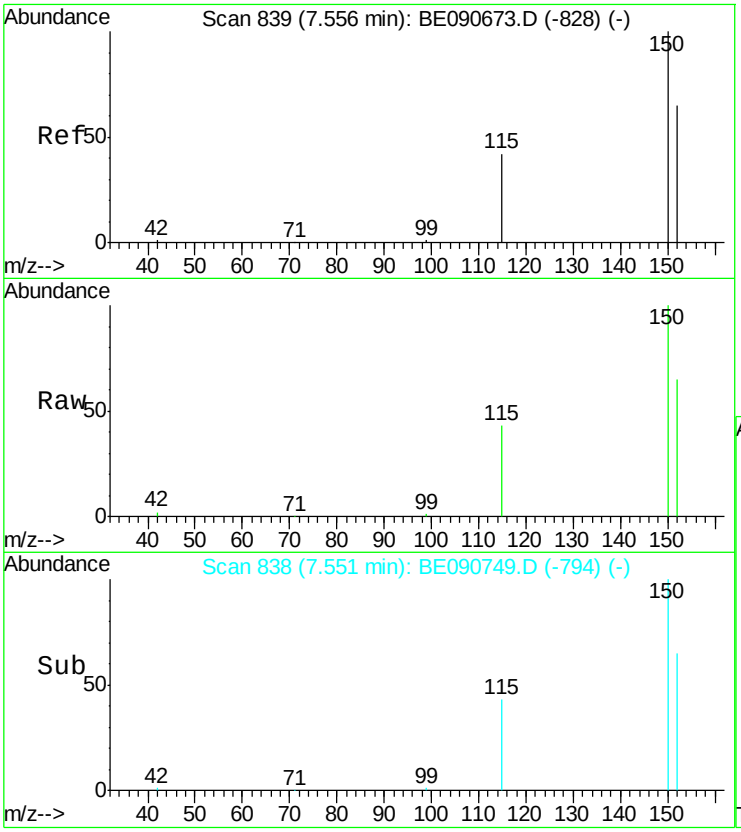
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090815\
Data File : BE090749.D
Acq On : 8 Sep 2015 15:34
Operator : UM/IZ
Sample : PB85439BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Quant Time: Sep 08 23:06:54 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 23:05:35 2015
Response via : Initial Calibration



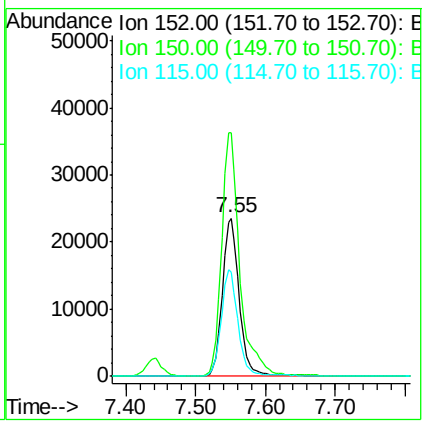


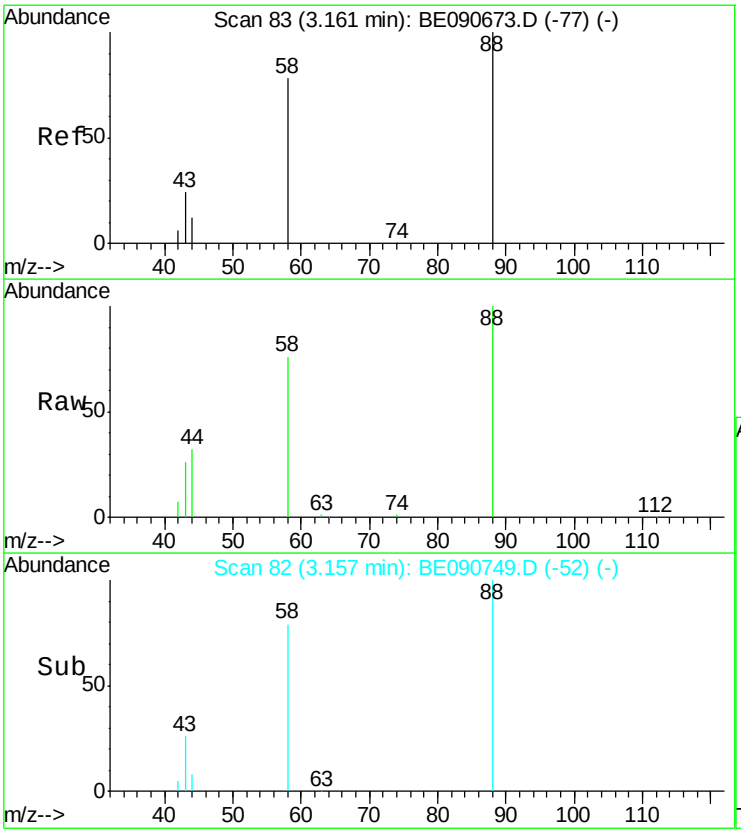
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 838
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:152 Resp: 40070

Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.2	183.4
115	65.6	51.0	76.4

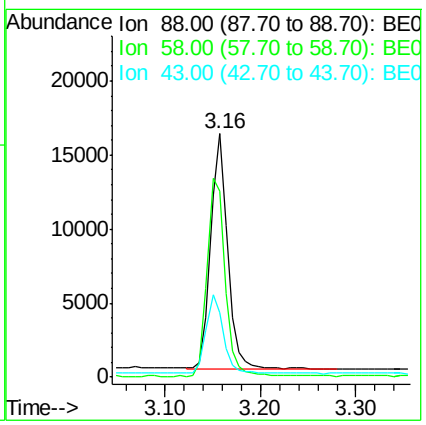


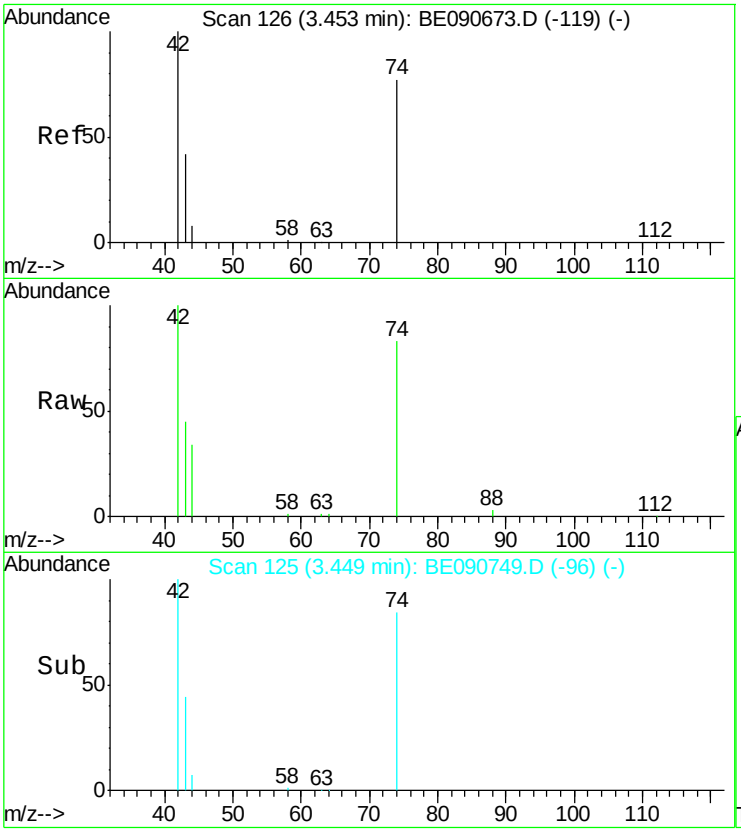


#2
1,4-Dioxane
Concen: 3.70 ng
RT: 3.16 min Scan# 82
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion: 88 Resp: 19514

Ion	Ratio	Lower	Upper
88	100		
58	86.9	68.4	102.6
43	33.0	26.9	40.3



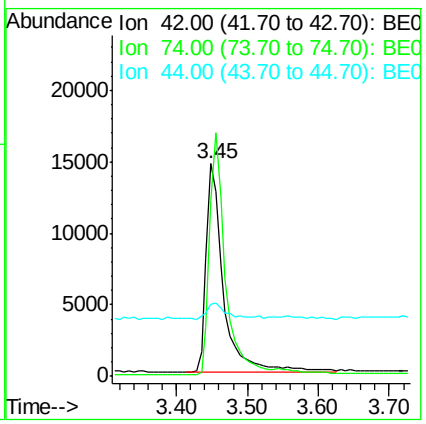


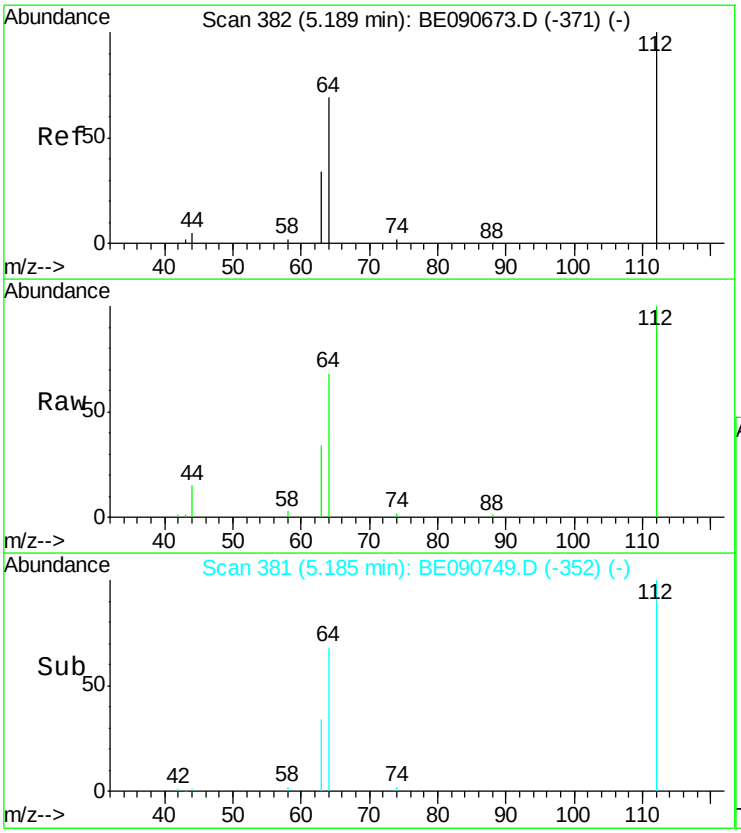
#3
n-Nitrosodimethylamine
Concen: 3.43 ng
RT: 3.45 min Scan# 125
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion: 42 Resp: 24519

Ion	Ratio	Lower	Upper
42	100		
74	106.6	83.7	125.5
44	9.4	10.0	15.0#

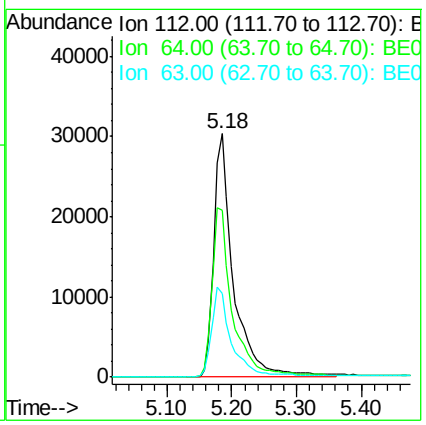


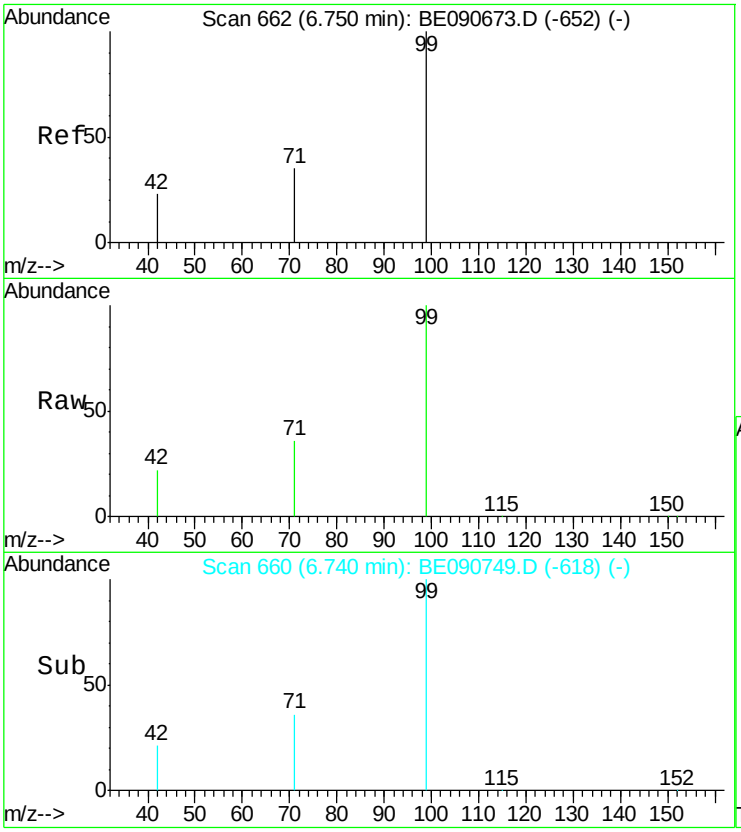


#4
2-Fluorophenol
Concen: 8.10 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:112 Resp: 63316

Ion	Ratio	Lower	Upper
112	100		
64	71.6	57.3	85.9
63	37.2	29.2	43.8



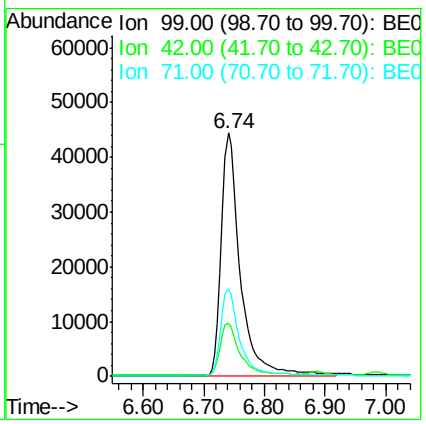


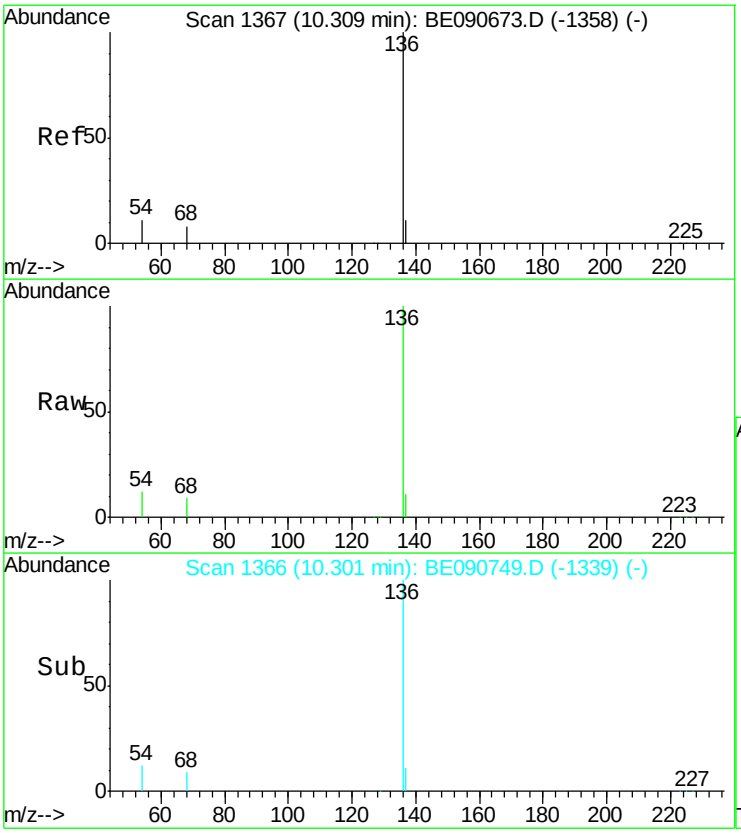
#5
Phenol-d6
Concen: 8.75 ng
RT: 6.74 min Scan# 660
Delta R.T. -0.01 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion: 99 Resp: 97578

Ion	Ratio	Lower	Upper
99	100		
42	21.8	16.8	25.2
71	35.7	28.3	42.5

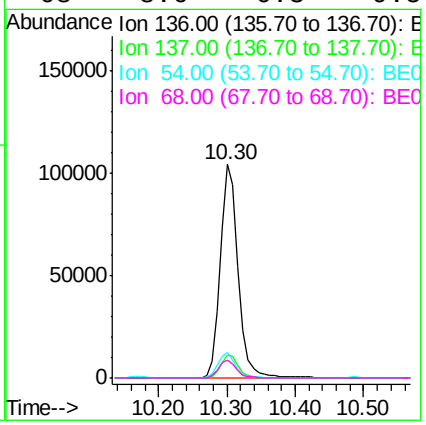


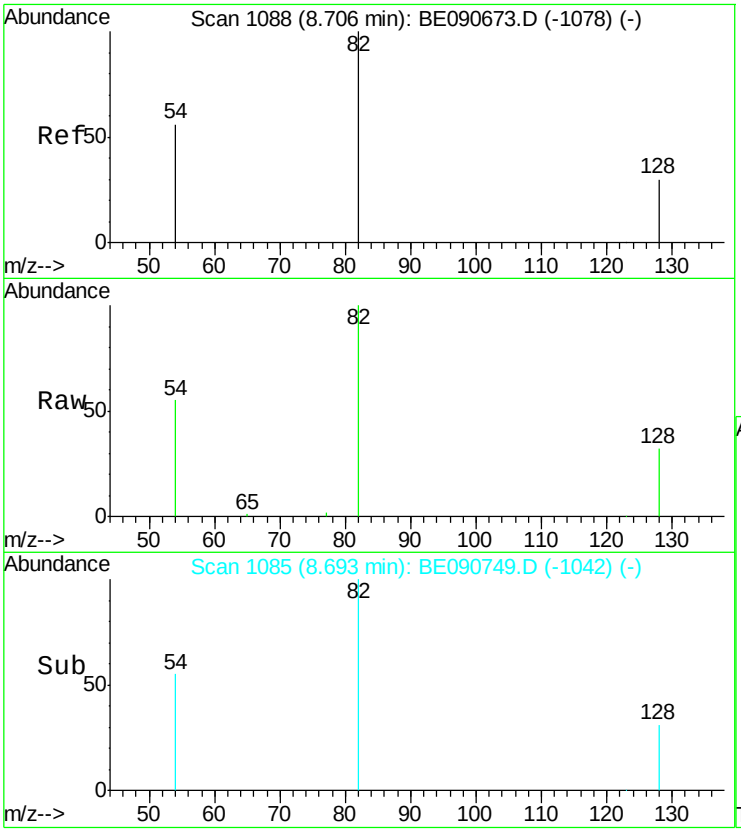


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.30 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:136 Resp: 187571

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	12.0	9.0	13.6
68	8.6	6.3	9.5



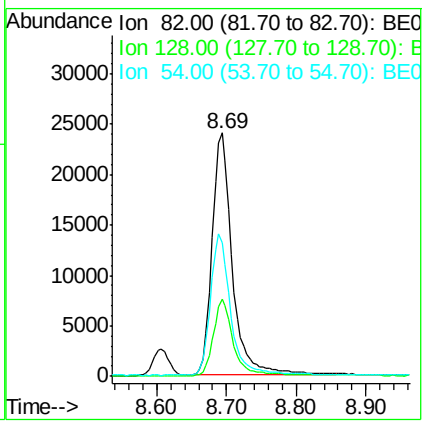


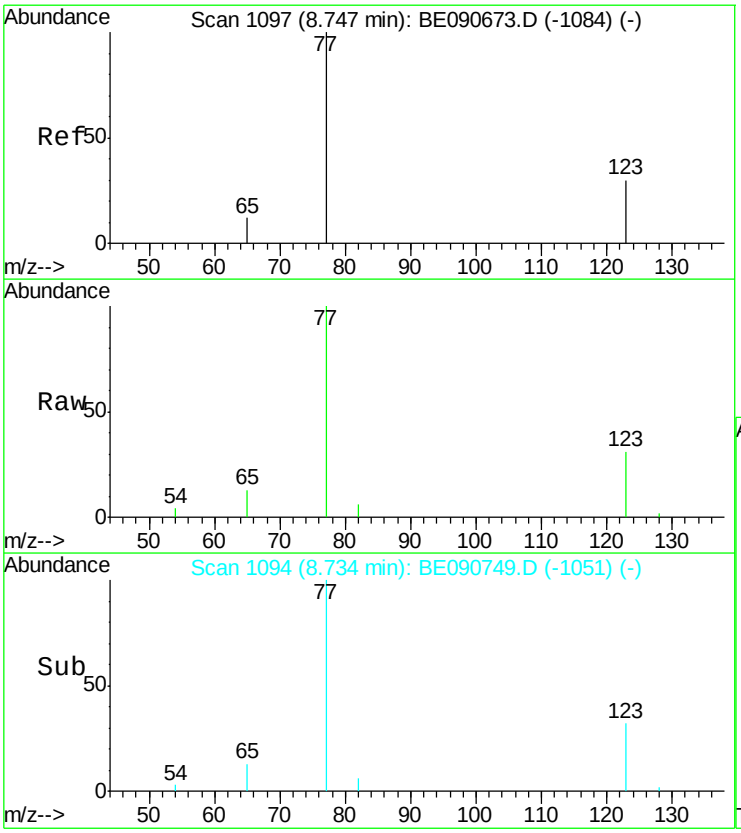
#7
Nitrobenzene-d5
Concen: 3.96 ng
RT: 8.69 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion: 82 Resp: 49039

Ion	Ratio	Lower	Upper
82	100		
128	31.6	25.0	37.4
54	54.9	46.3	69.5

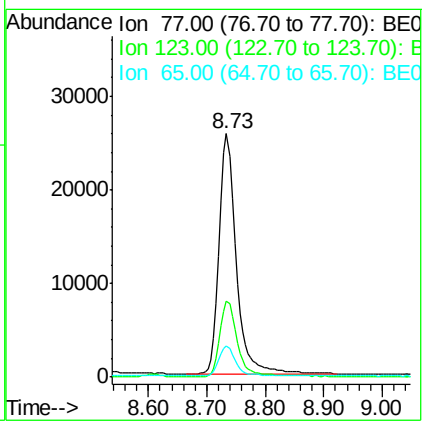


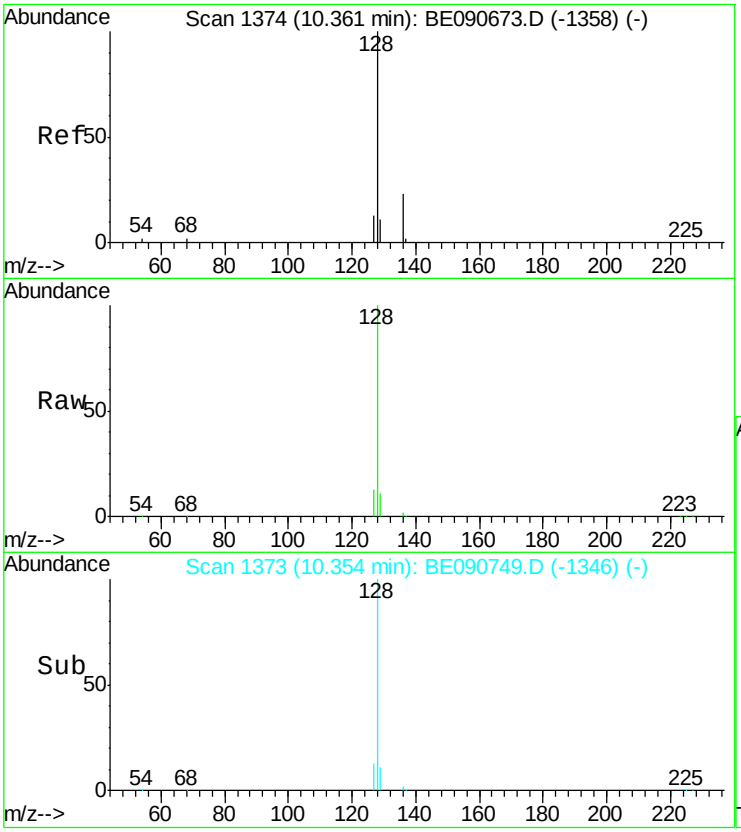


#8
Nitrobenzene
Concen: 3.42 ng
RT: 8.73 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion: 77 Resp: 51523

Ion	Ratio	Lower	Upper
77	100		
123	32.1	25.1	37.7
65	12.7	9.9	14.9



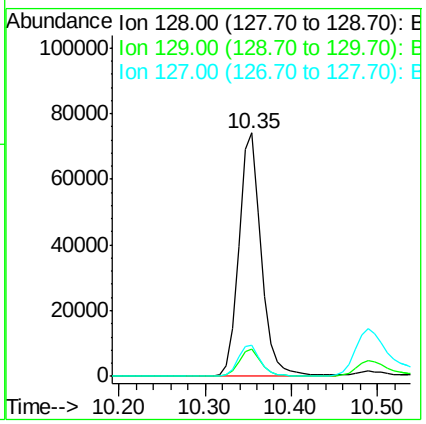


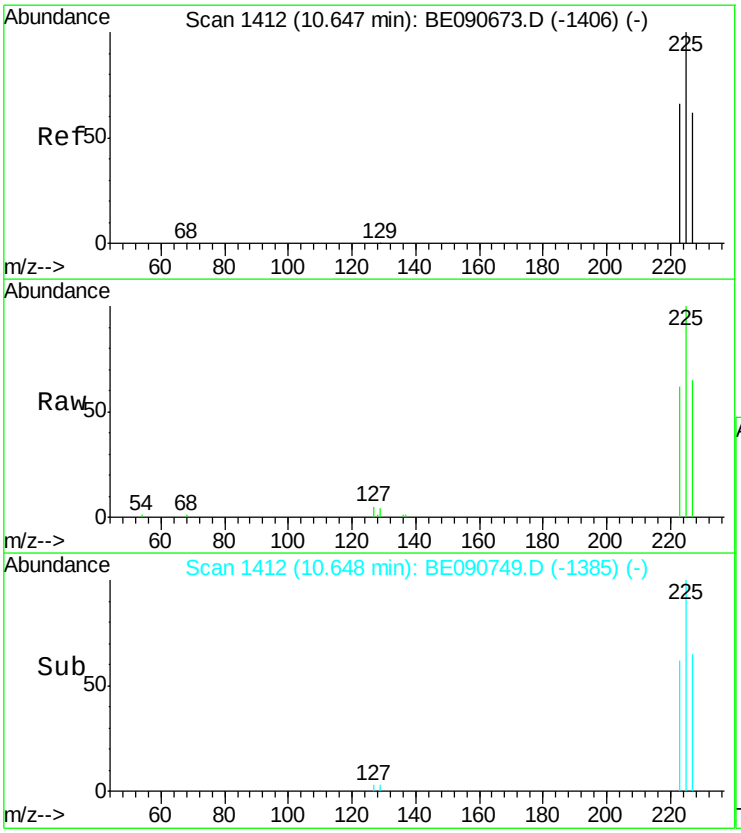
#9
Naphthalene
Concen: 3.28 ng
RT: 10.35 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:128 Resp: 134013

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.9	10.6	15.8

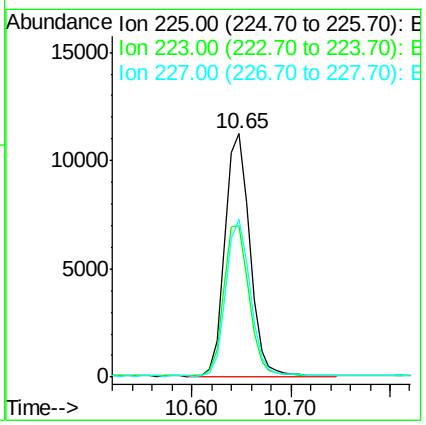


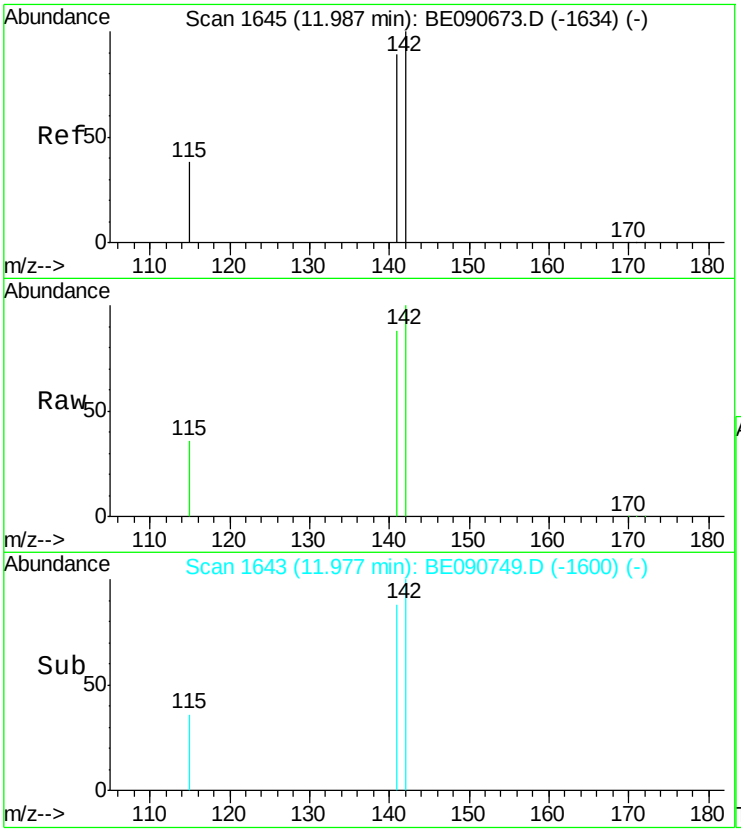


#10
Hexachlorobutadiene
Concen: 3.03 ng
RT: 10.65 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:225 Resp: 19413

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	76.0
227	63.7	51.0	76.6



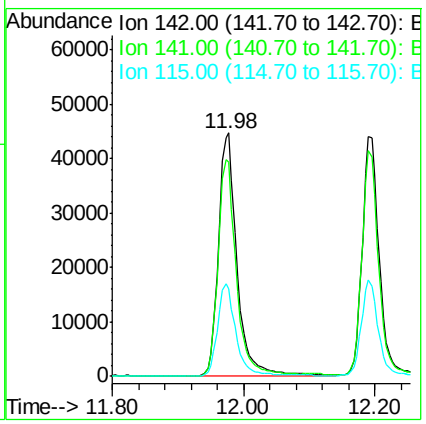


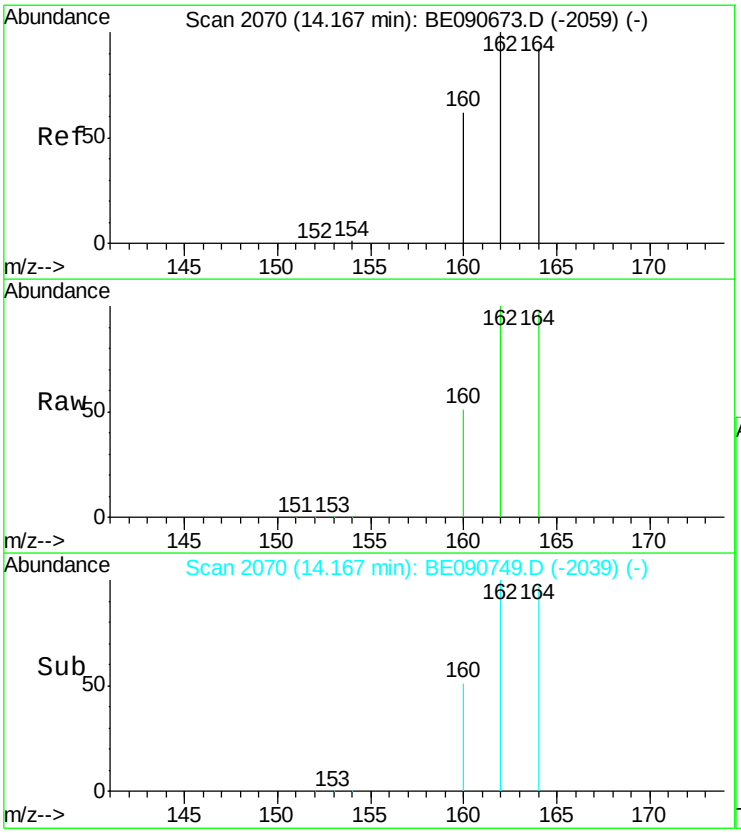
#11
2-Methylnaphthalene
Concen: 3.94 ng
RT: 11.98 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:142 Resp: 87113

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.4	107.2
115	36.0	31.0	46.4

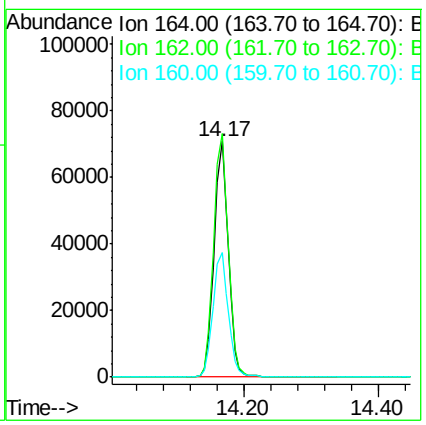


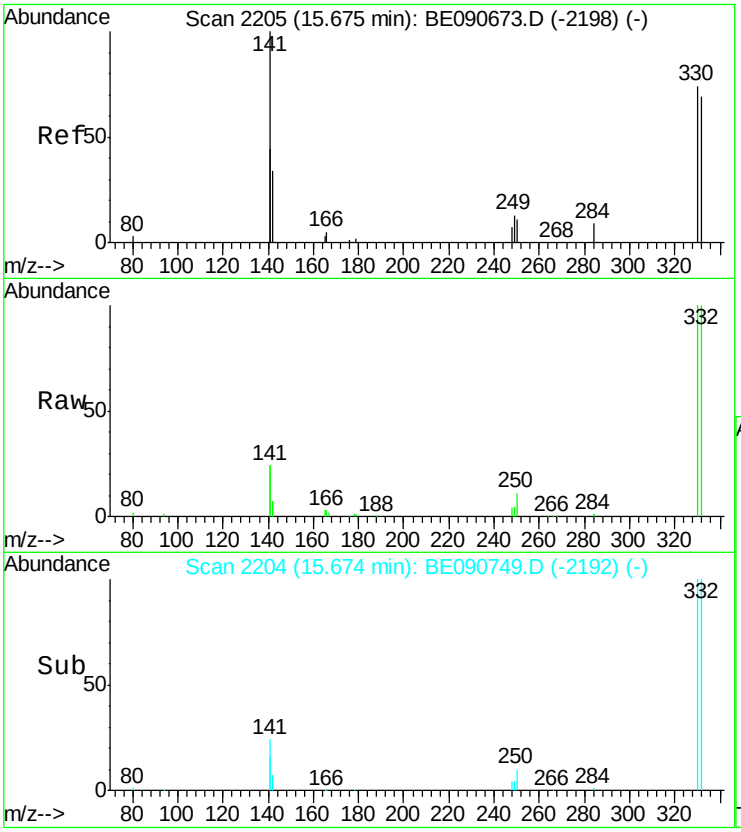


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2070
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:164 Resp: 103076

Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.8	130.2
160	53.0	53.9	80.9#



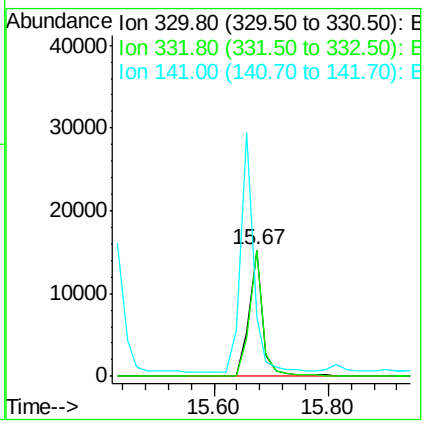


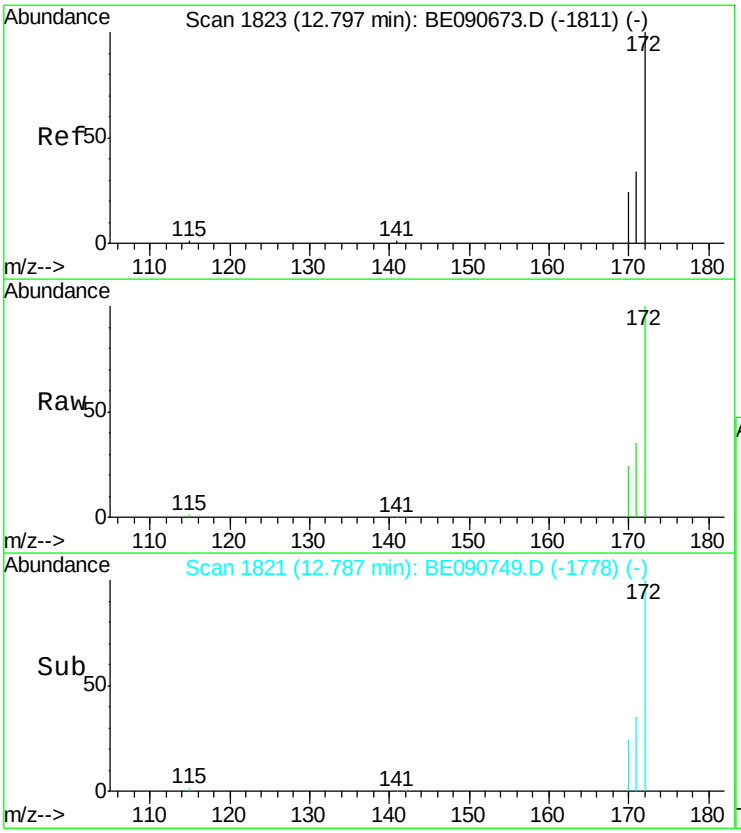
#13
2,4,6-Tribromophenol
Concen: 8.41 ng
RT: 15.67 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:330 Resp: 25481

Ion	Ratio	Lower	Upper
330	100		
332	97.9	74.9	112.3
141	180.7	145.2	217.8

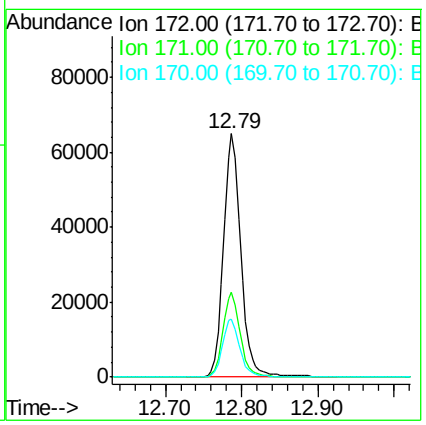


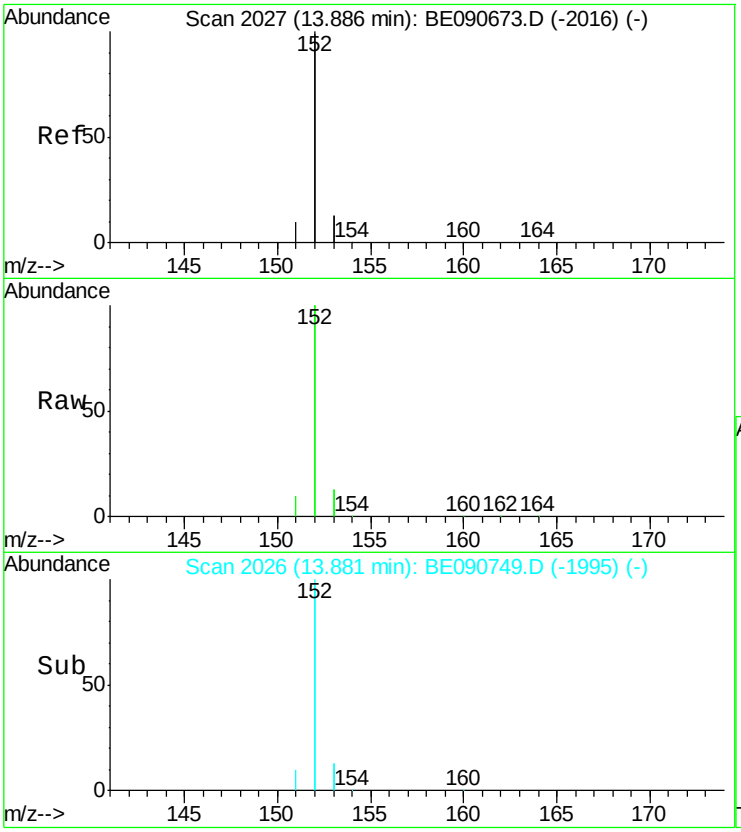


#14
2-Fluorobiphenyl
Concen: 3.60 ng
RT: 12.79 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:172 Resp: 102644

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.8
170	24.0	19.8	29.6



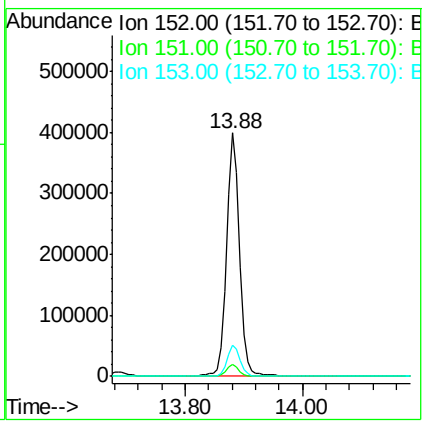


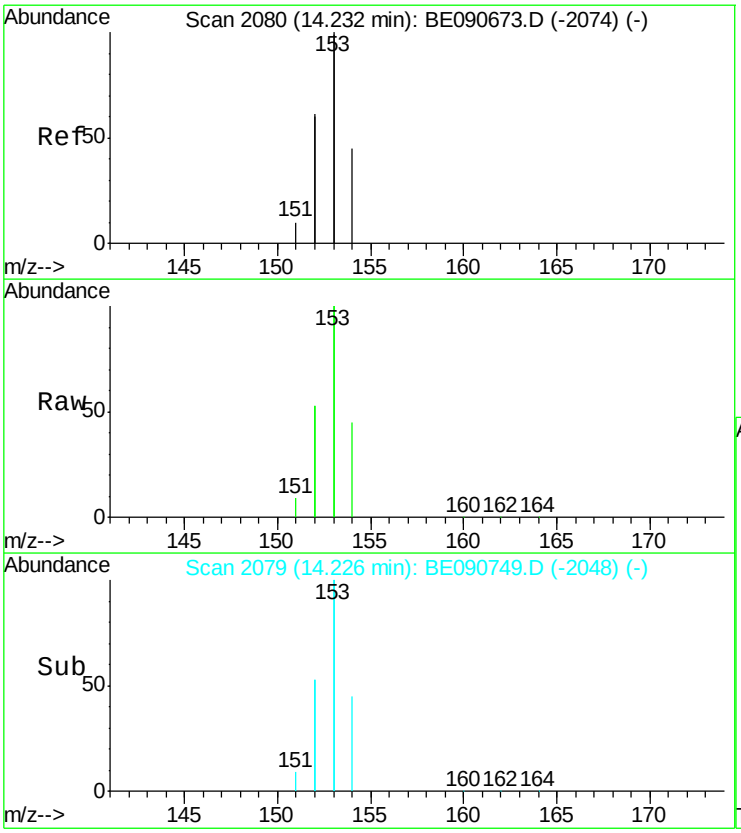
#15
Acenaphthylene
Concen: 3.68 ng
RT: 13.88 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:152 Resp: 606274

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

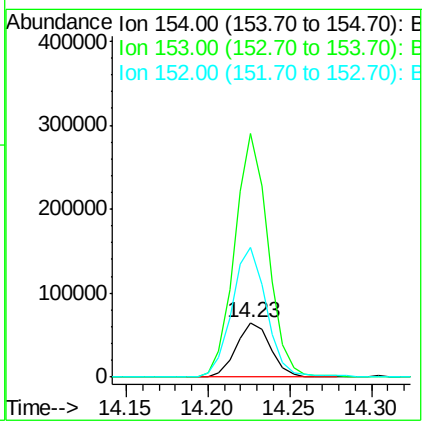


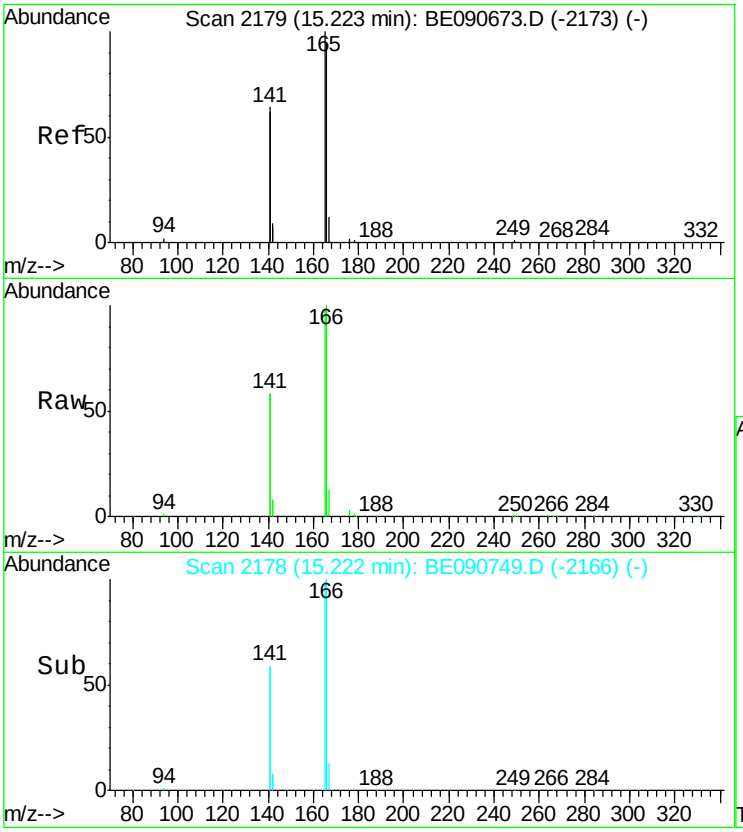


#16
Acenaphthene
Concen: 3.41 ng
RT: 14.23 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:154 Resp: 93880

Ion	Ratio	Lower	Upper
154	100		
153	438.7	354.5	531.7
152	240.1	227.8	341.6



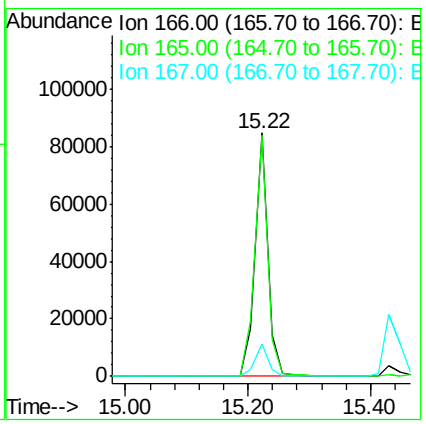


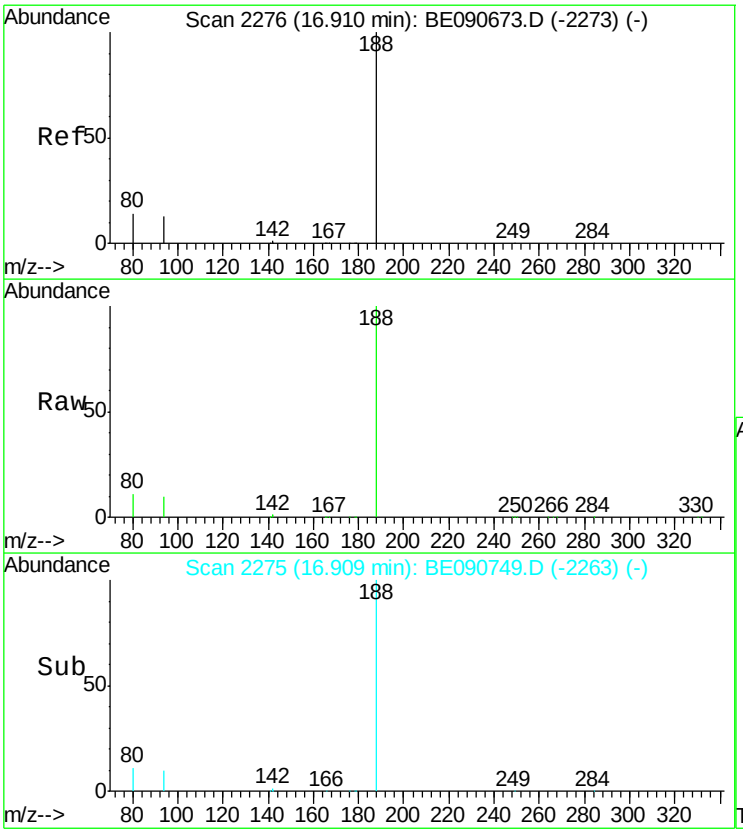
#17
Fluorene
Concen: 3.60 ng
RT: 15.22 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:166 Resp: 123576

Ion	Ratio	Lower	Upper
166	100		
165	100.2	82.7	124.1
167	13.5	10.7	16.1

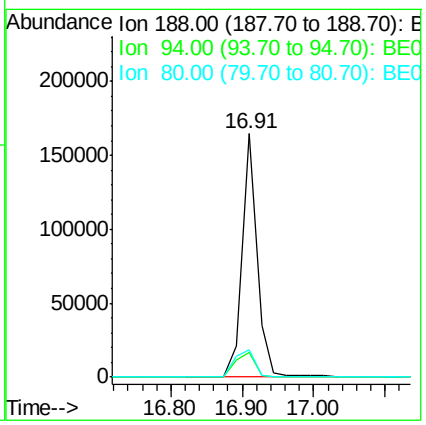


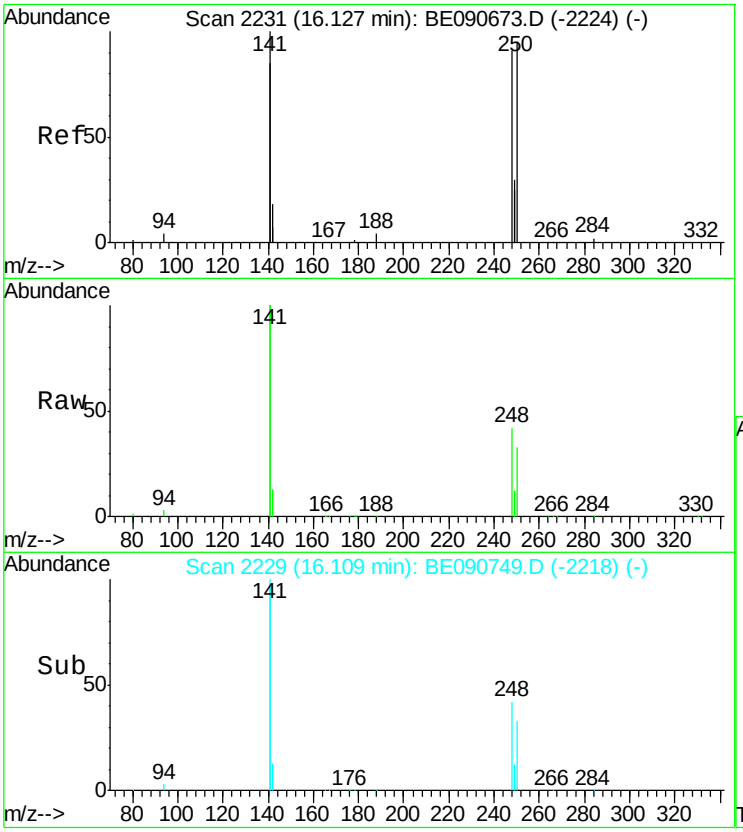


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:188 Resp: 238281

Ion	Ratio	Lower	Upper
188	100		
94	10.3	10.3	15.5#
80	11.2	11.0	16.6



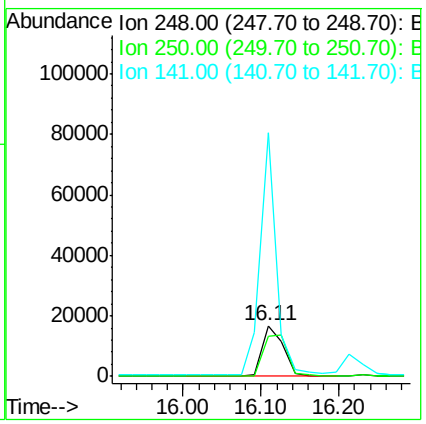


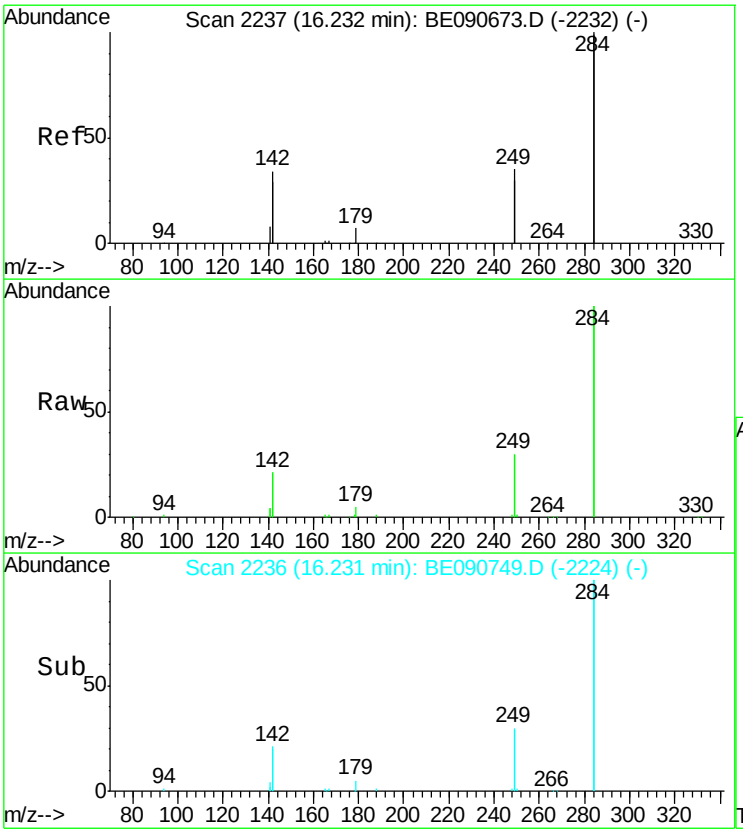
#19
4-Bromophenyl-phenylether
Concen: 3.85 ng
RT: 16.11 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:248 Resp: 31264

Ion	Ratio	Lower	Upper
248	100		
250	96.3	76.7	115.1
141	366.8	292.6	439.0

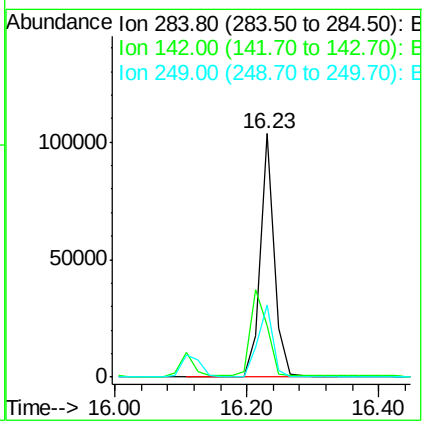


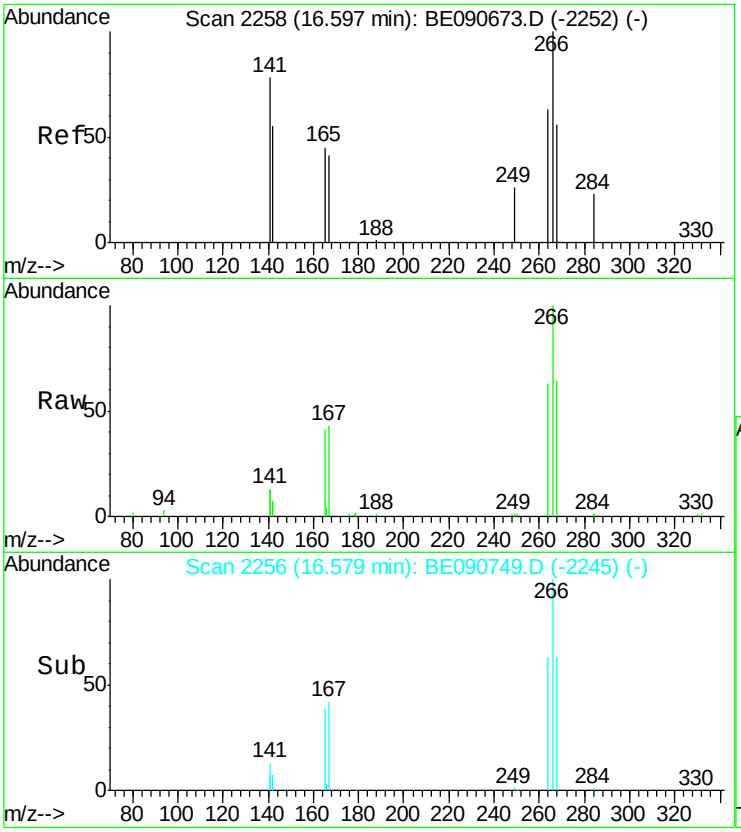


#20
Hexachlorobenzene
Concen: 3.82 ng
RT: 16.23 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:284 Resp: 149361

Ion	Ratio	Lower	Upper
284	100		
142	42.6	35.0	52.4
249	32.3	25.5	38.3



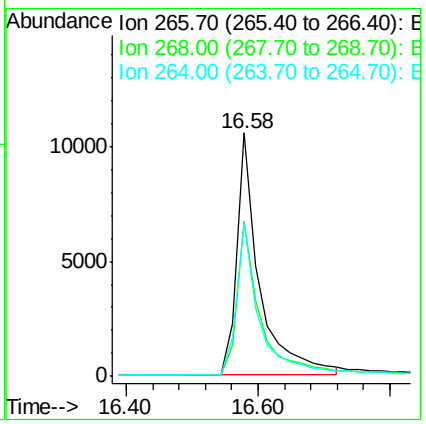


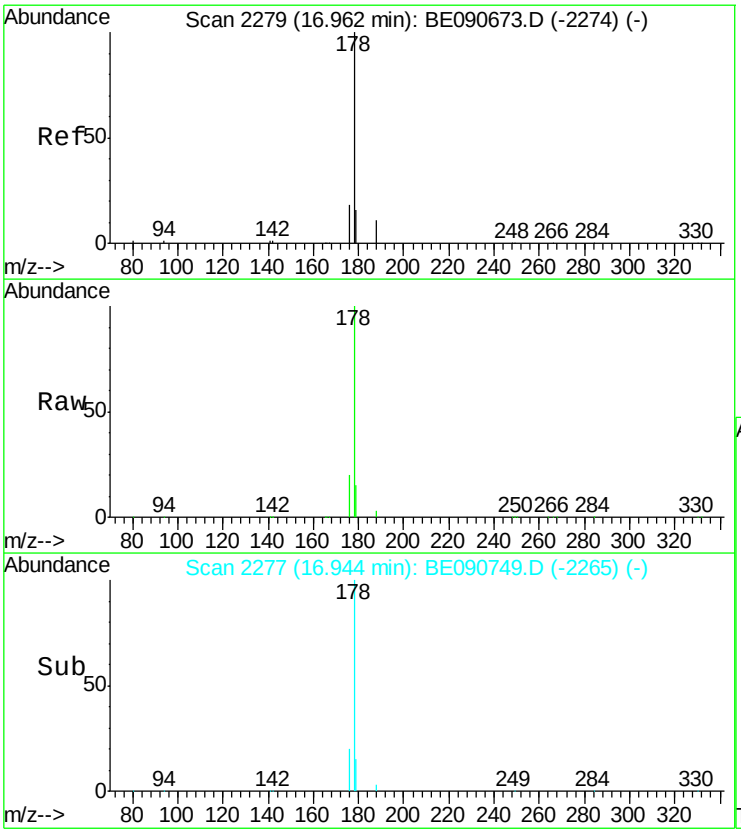
#21
Pentachlorophenol
Concen: 7.61 ng
RT: 16.58 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:266 Resp: 25092

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.6	74.4
264	63.3	53.9	80.9

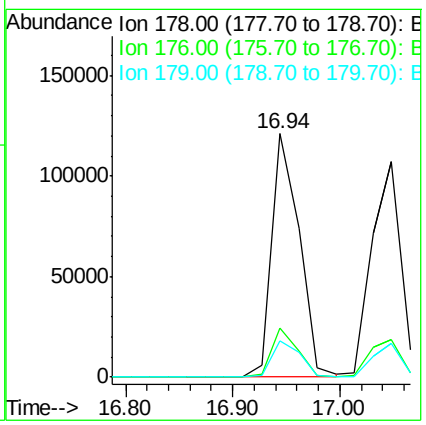


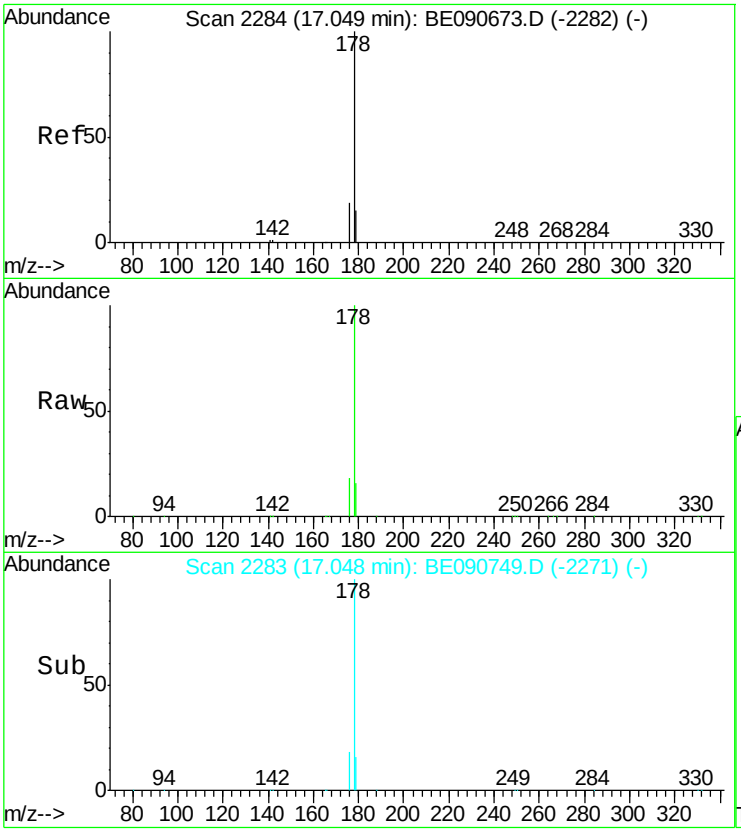


#22
Phenanthrene
Concen: 3.65 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:178 Resp: 215425

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.4	12.8	19.2



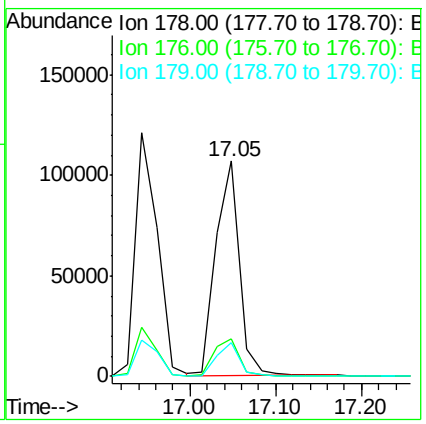


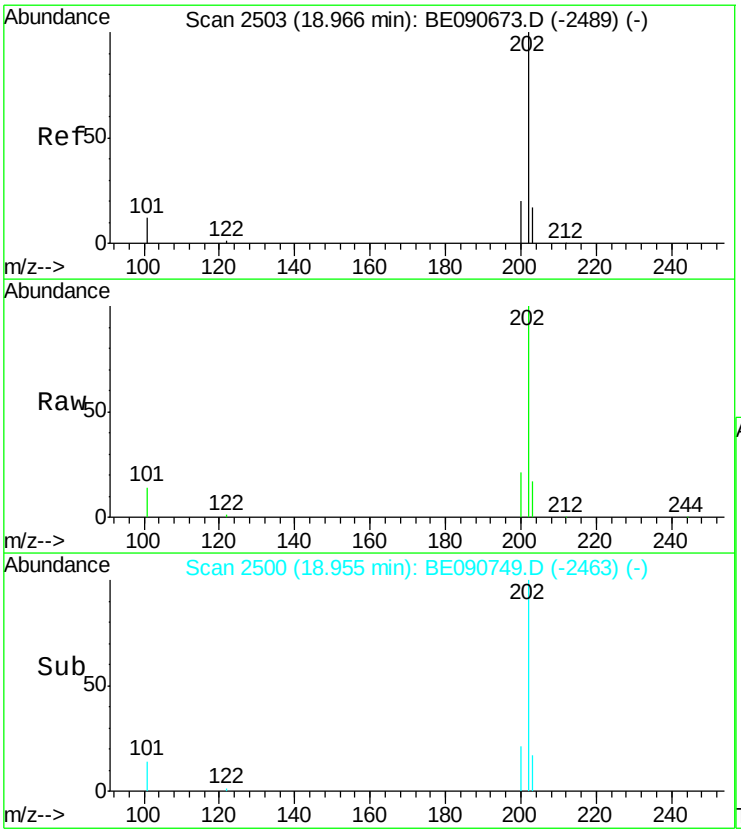
#23
Anthracene
Concen: 4.18 ng
RT: 17.05 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:178 Resp: 205952

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.3	12.3	18.5

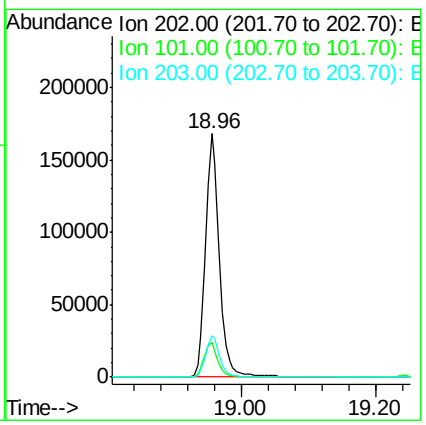


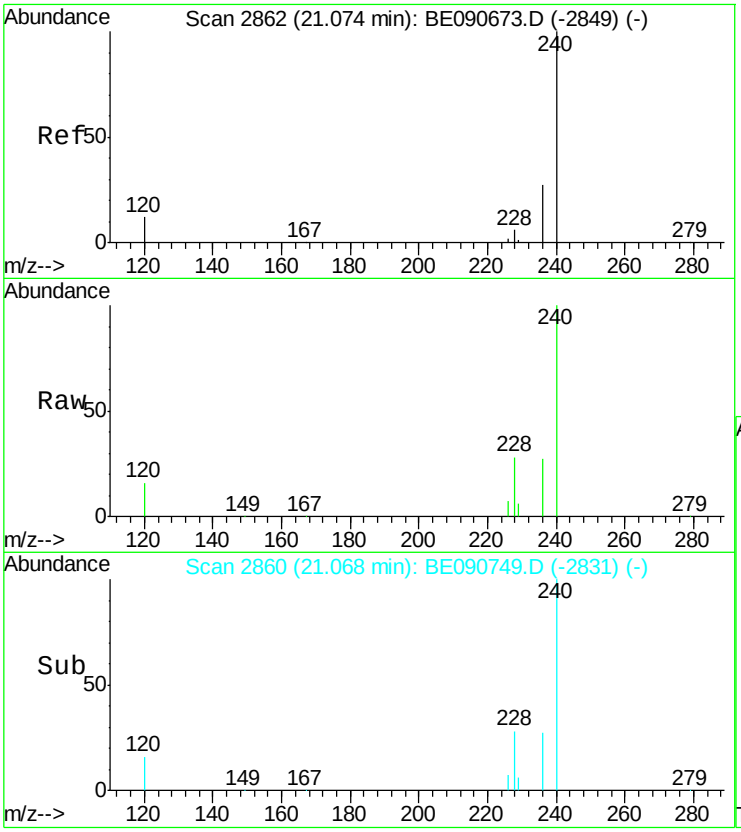


#24
Fluoranthene
Concen: 3.90 ng
RT: 18.96 min Scan# 2500
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:202 Resp: 242131

Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.0	16.6
203	17.2	13.9	20.9



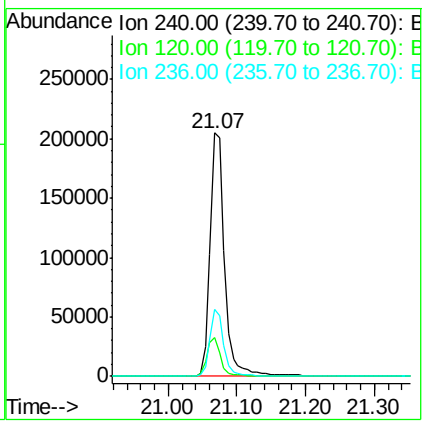


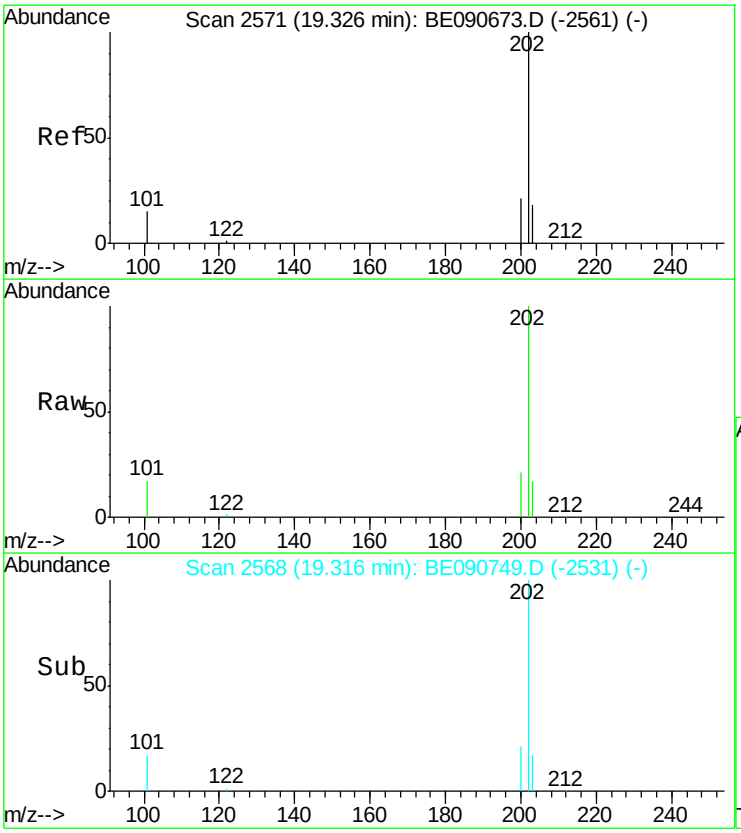
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:240 Resp: 300395

Ion	Ratio	Lower	Upper
240	100		
120	15.7	10.1	15.1#
236	27.4	21.9	32.9

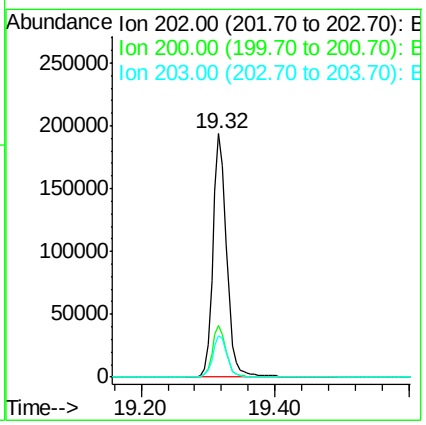


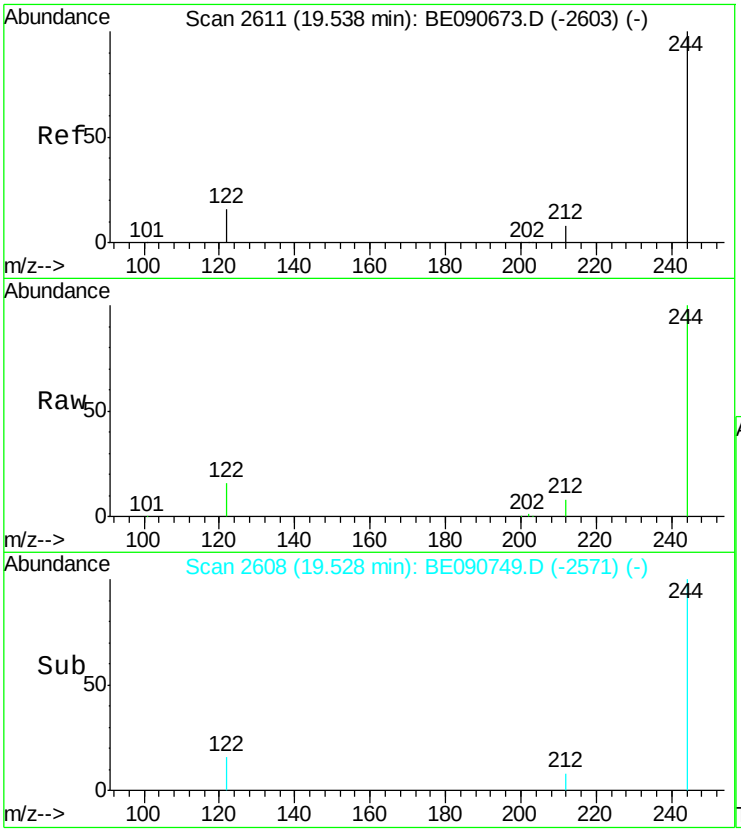


#26
Pyrene
Concen: 4.34 ng
RT: 19.32 min Scan# 2568
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:202 Resp: 269677

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.9	13.8	20.6



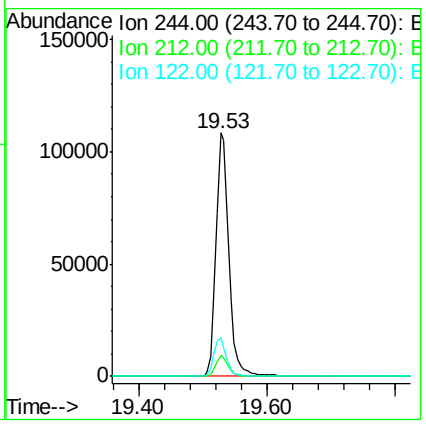


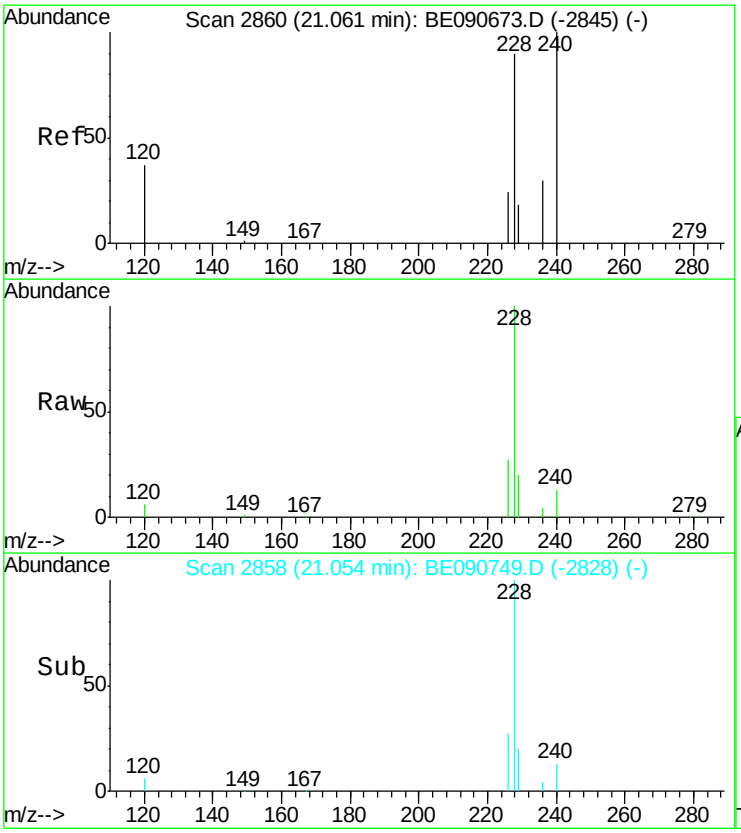
#27
Terphenyl-d14
Concen: 4.52 ng
RT: 19.53 min Scan# 2608
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:244 Resp: 150372

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.9	10.3
122	16.0	12.9	19.3

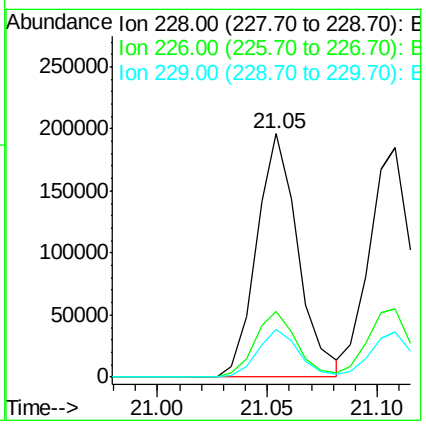


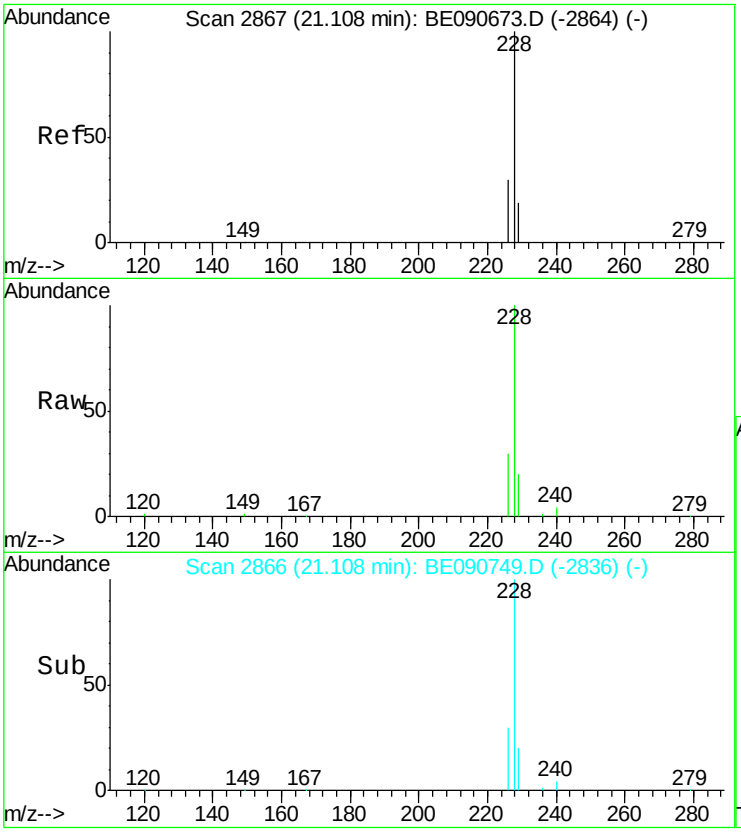


#28
Benzo(a)anthracene
Concen: 3.91 ng
RT: 21.05 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:228 Resp: 257531

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.6	32.4
229	19.8	15.9	23.9



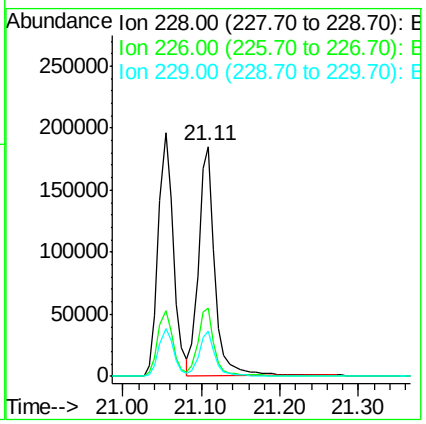


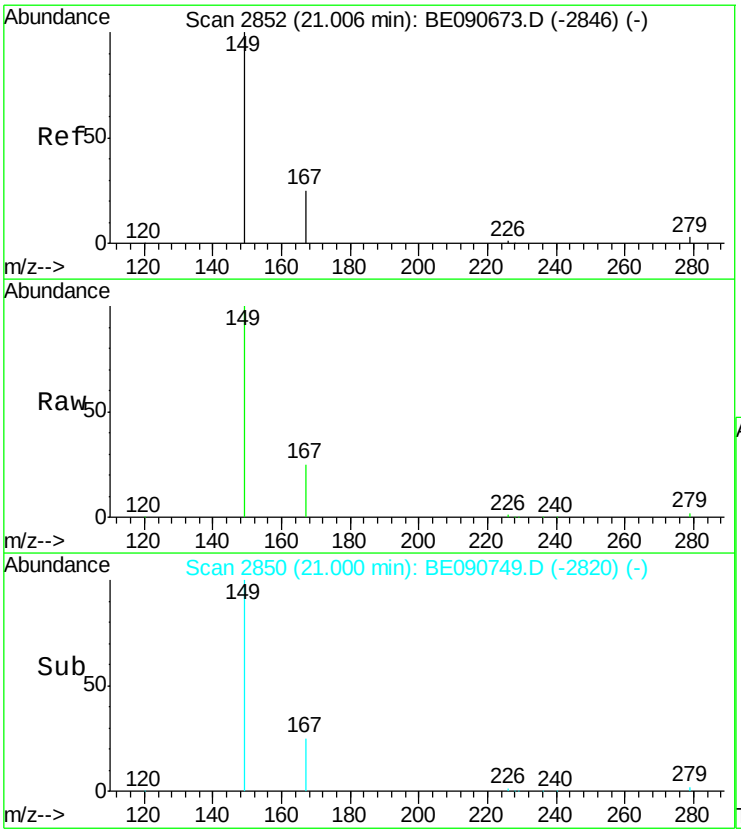
#29
Chrysene
Concen: 3.83 ng
RT: 21.11 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:228 Resp: 266908

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.4
229	19.6	15.3	22.9

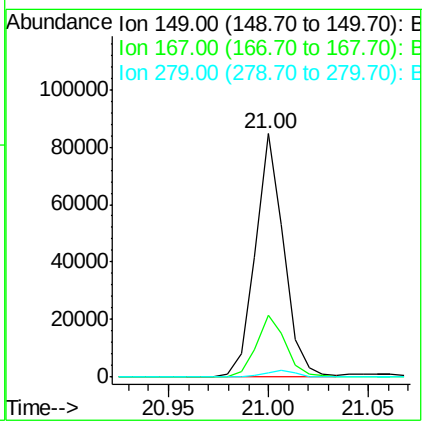


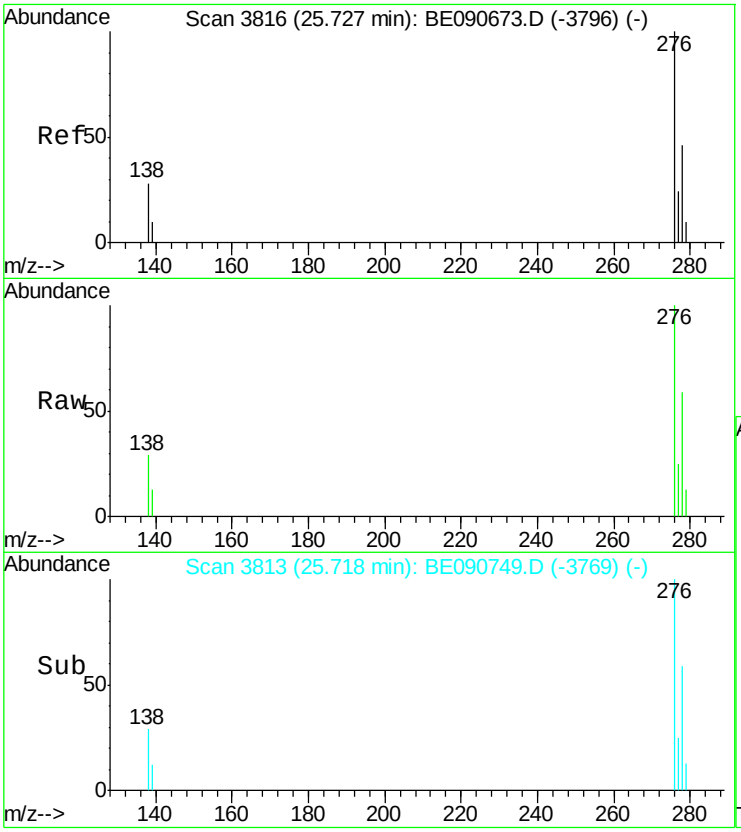


#30
Bis(2-ethylhexyl)phthalate
Concen: 3.90 ng
RT: 21.00 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:149 Resp: 83329

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



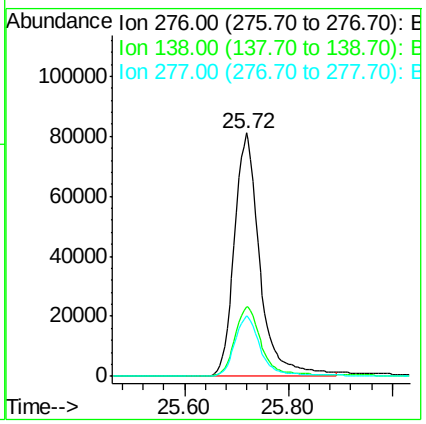


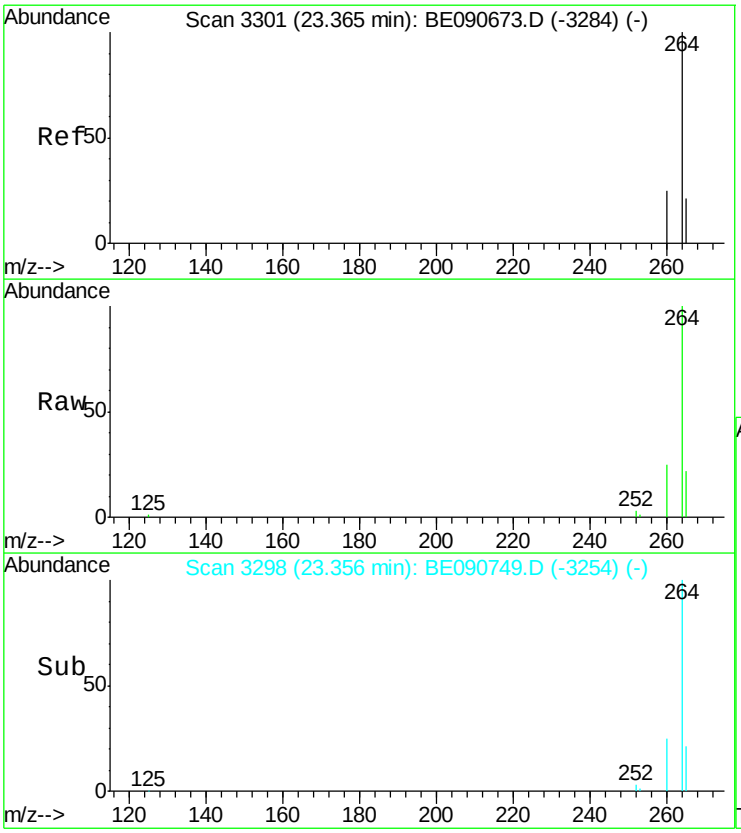
#31
Indeno(1,2,3-cd)pyrene
Concen: 3.90 ng
RT: 25.72 min Scan# 3813
Delta R.T. 0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:276 Resp: 276892

Ion	Ratio	Lower	Upper
276	100		
138	29.9	23.3	34.9
277	25.0	19.8	29.6

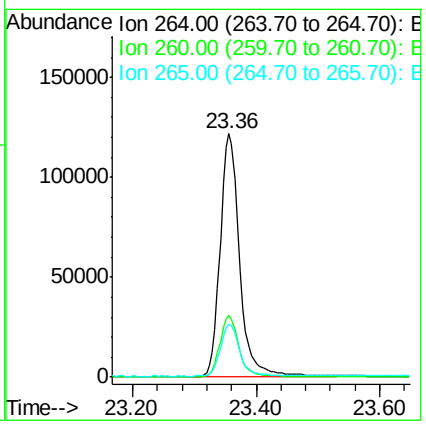


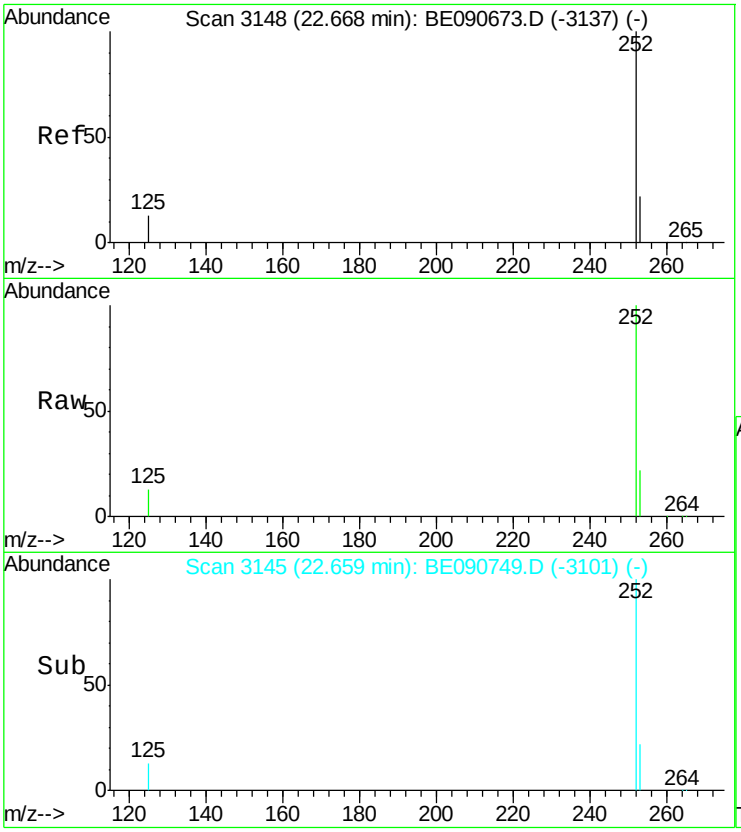


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3298
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:264 Resp: 268291

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	21.7	17.5	26.3



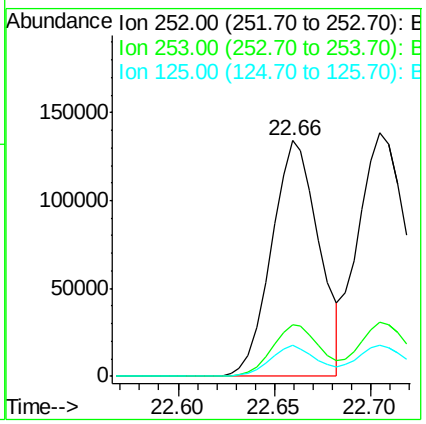


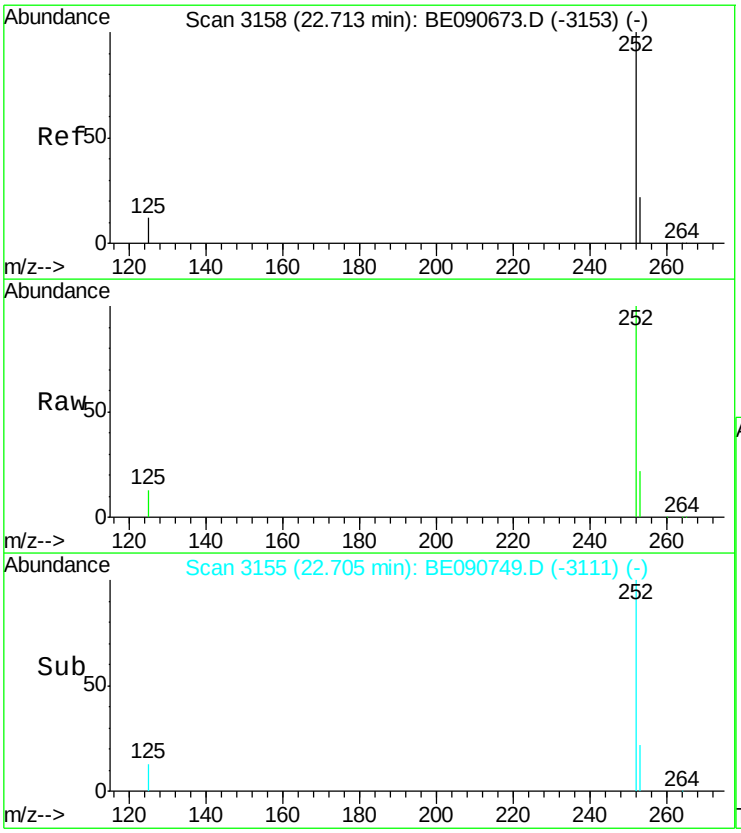
#33
Benzo(b)fluoranthene
Concen: 3.95 ng
RT: 22.66 min Scan# 3145
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:252 Resp: 230024

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	13.1	10.6	16.0

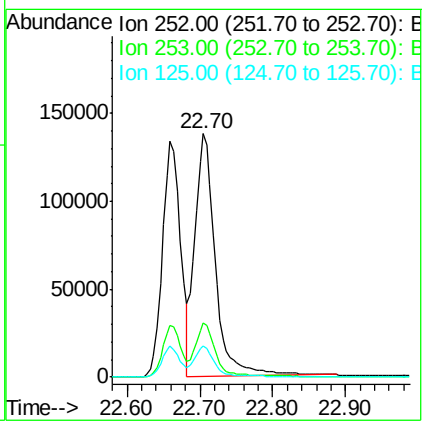


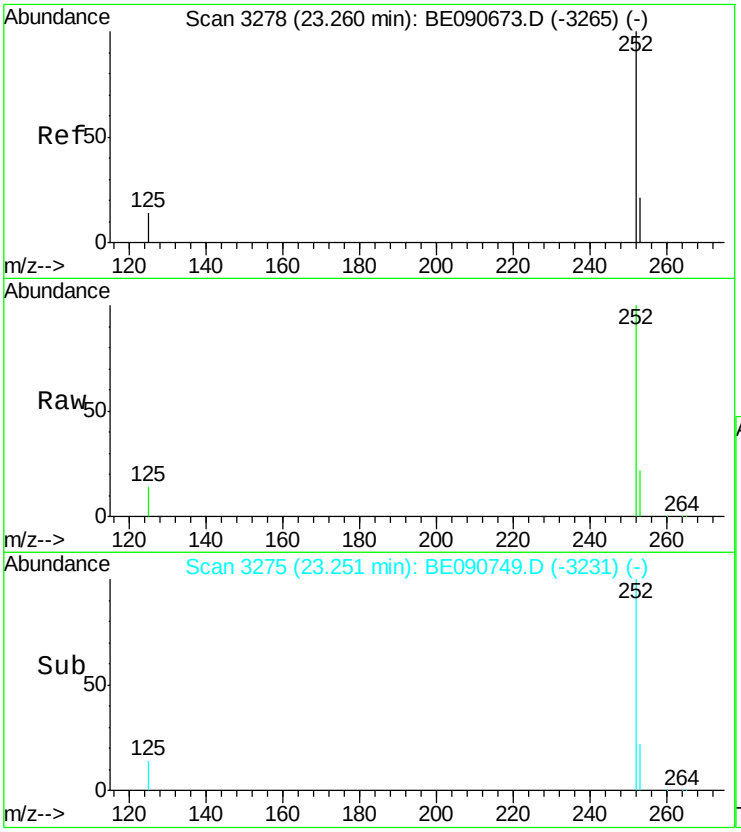


#34
Benzo(k)fluoranthene
Concen: 3.97 ng
RT: 22.70 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:252 Resp: 269077

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.9	10.1	15.1



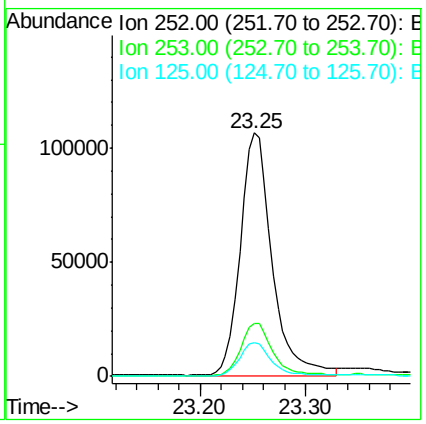


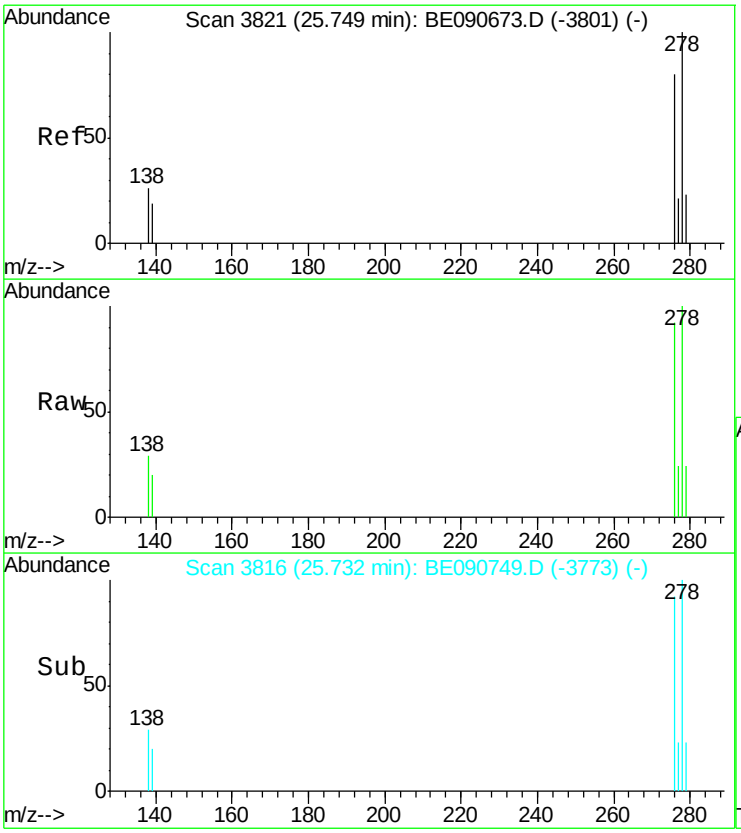
#35
Benzo(a)pyrene
Concen: 4.28 ng
RT: 23.25 min Scan# 3275
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:252 Resp: 222550

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	14.0	11.6	17.4

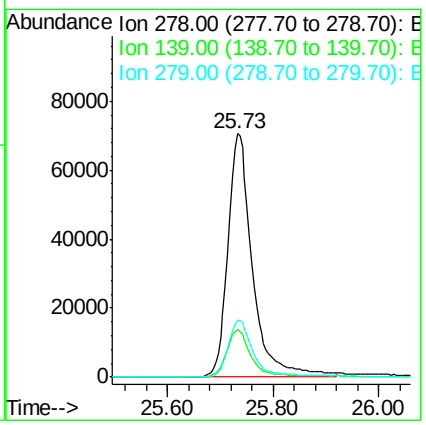


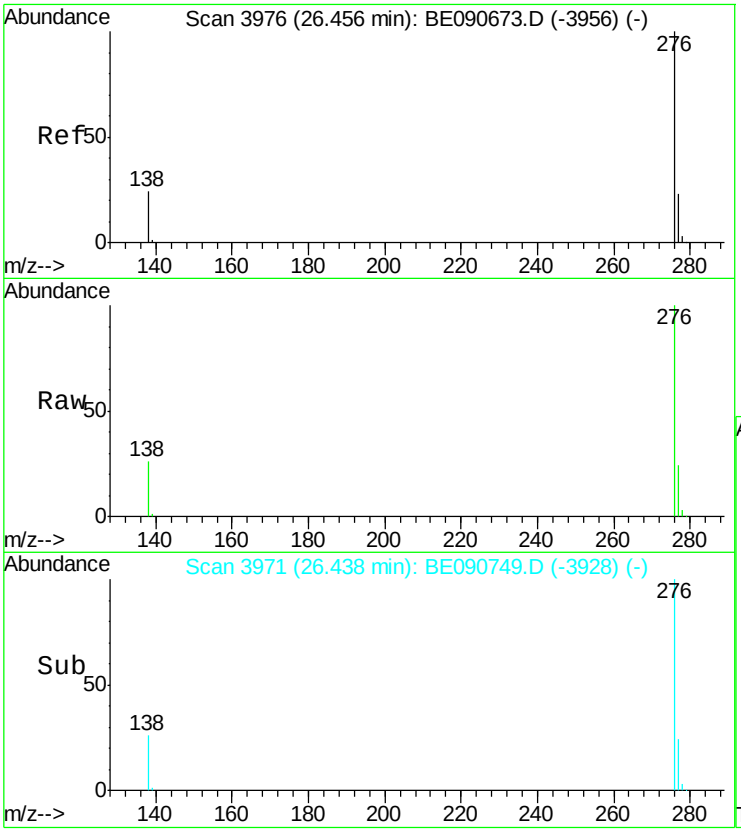


#36
Dibenzo(a,h)anthracene
Concen: 3.63 ng
RT: 25.73 min Scan# 3816
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Tgt Ion:278 Resp: 227612

Ion	Ratio	Lower	Upper
278	100		
139	19.8	15.4	23.0
279	23.5	18.8	28.2





#37
Benzo(g,h,i)perylene
Concen: 4.01 ng
RT: 26.44 min Scan# 3971
Delta R.T. -0.00 min
Lab File: BE090749.D
Acq: 8 Sep 2015 15:34

Instrument :
BNA_E
ClientSampleId :
PB85439BS

Tgt Ion:276 Resp: 239866

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	25.9	20.1	30.1