Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090415\
Data File : BE090733.D
Acq On : 4 Sep 2015 17:14
Operator : UM/IZ
Sample : PB85414BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB85414BSD

Quant Time: Sep 04 18:27:29 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	7.55	152	38407	5.00	ng		0.00
6) Naphthalene-d8	10.30	136	179908	5.00	ng		0.00
12) Acenaphthene-d10	14.17	164	99722	5.00	ng		0.00
18) Phenanthrene-d10	16.91	188	241323	5.00	ng		0.00
25) Chrysene-d12	21.07	240	304971	5.00	ng		0.00
32) Perylene-d12	23.36	264	268938	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	77009	10.28	ng		0.00
5) Phenol-d6	6.74	99	115681	10.82	ng		-0.01
7) Nitrobenzene-d5	8.69	82	56589	4.76	ng		-0.01
13) 2,4,6-Tribromophenol	15.67	330	34305	11.65	ng		0.00
14) 2-Fluorobiphenyl	12.79	172	118353	4.29	ng		-0.01
27) Terphenyl-d14	19.53	244	181164	5.37	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.15	88	22574	4.51	ng		98
3) n-Nitrosodimethylamine	3.45	42	28440	4.17	ng	#	94
8) Nitrobenzene	8.73	77	61135	4.20	ng		98
9) Naphthalene	10.35	128	156740	3.99	ng		99
10) Hexachlorobutadiene	10.65	225	23053	3.76	ng		100
11) 2-Methylnaphthalene	11.97	142	103468	4.88	ng		99
15) Acenaphthylene	13.88	152	719771	4.52	ng		100
16) Acenaphthene	14.23	154	110927	4.17	ng		88
17) Fluorene	15.22	166	144316	4.34	ng		97
19) 4-Bromophenyl-phenylether	16.11	248	37059	4.50	ng		98
20) Hexachlorobenzene	16.23	284	179453	4.56	ng		98
21) Pentachlorophenol	16.58	266	38807	11.38	ng		96
22) Phenanthrene	16.94	178	249702	4.18	ng		99
23) Anthracene	17.05	178	244665	4.90	ng		99
24) Fluoranthene	18.96	202	300609	4.78	ng		99
26) Pyrene	19.32	202	328643	5.21	ng		99
28) Benzo(a)anthracene	21.05	228	315604	4.72	ng		100
29) Chrysene	21.11	228	319162	4.53	ng		98
30) Bis(2-ethylhexyl)phthalate	21.00	149	132192	5.56	ng		99
31) Indeno(1,2,3-cd)pyrene	25.72	276	331005	4.59	ng		99
33) Benzo(b)fluoranthene	22.66	252	280779	4.82	ng		99
34) Benzo(k)fluoranthene	22.71	252	320448	4.72	ng		99
35) Benzo(a)pyrene	23.25	252	271003	5.19	ng		100
36) Dibenzo(a,h)anthracene	25.74	278	272468	4.30	ng		100
37) Benzo(g,h,i)perylene	26.44	276	283334	4.72	ng		98

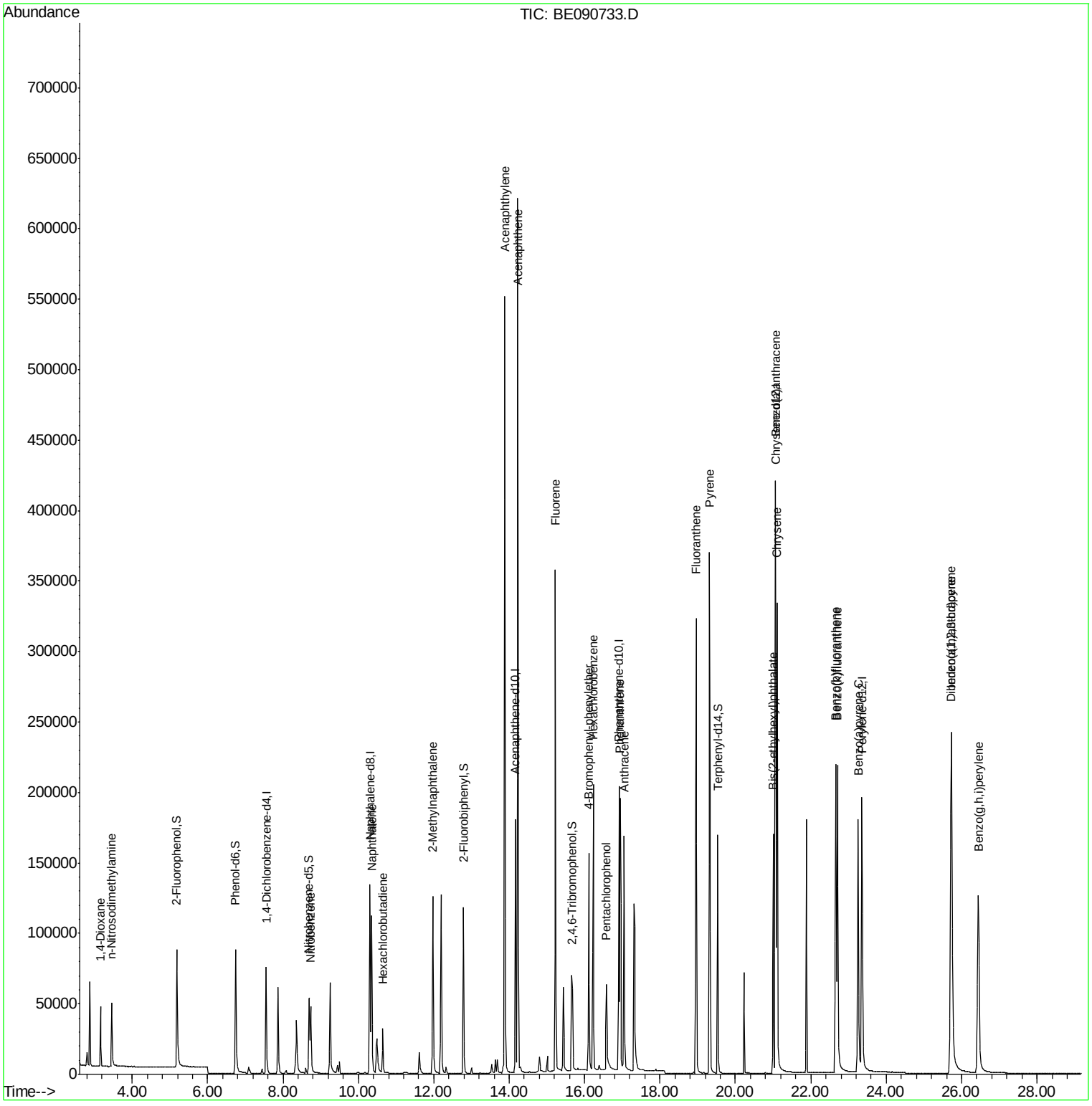
(#) = qualifier out of range (m) = manual integration (+) = signals summed

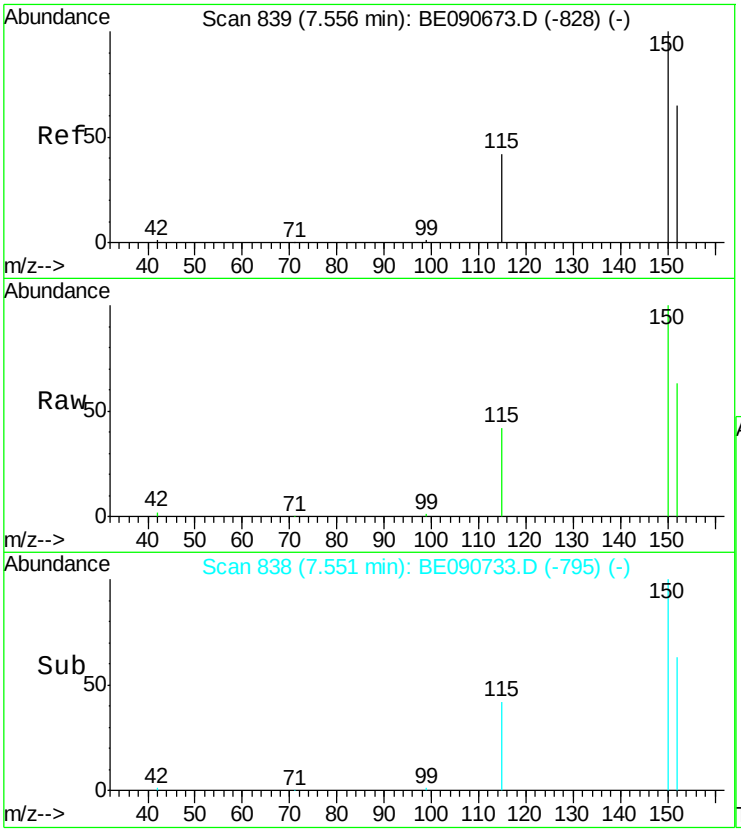
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090415\
Data File : BE090733.D
Acq On : 4 Sep 2015 17:14
Operator : UM/IZ
Sample : PB85414BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Quant Time: Sep 04 18:27:29 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



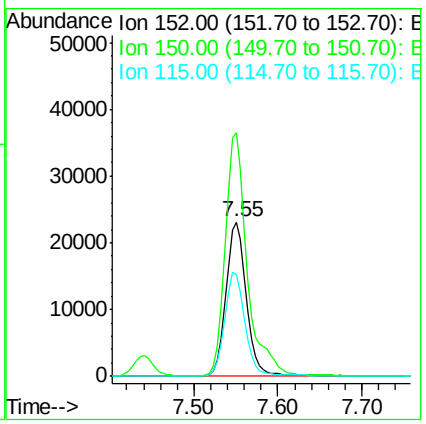


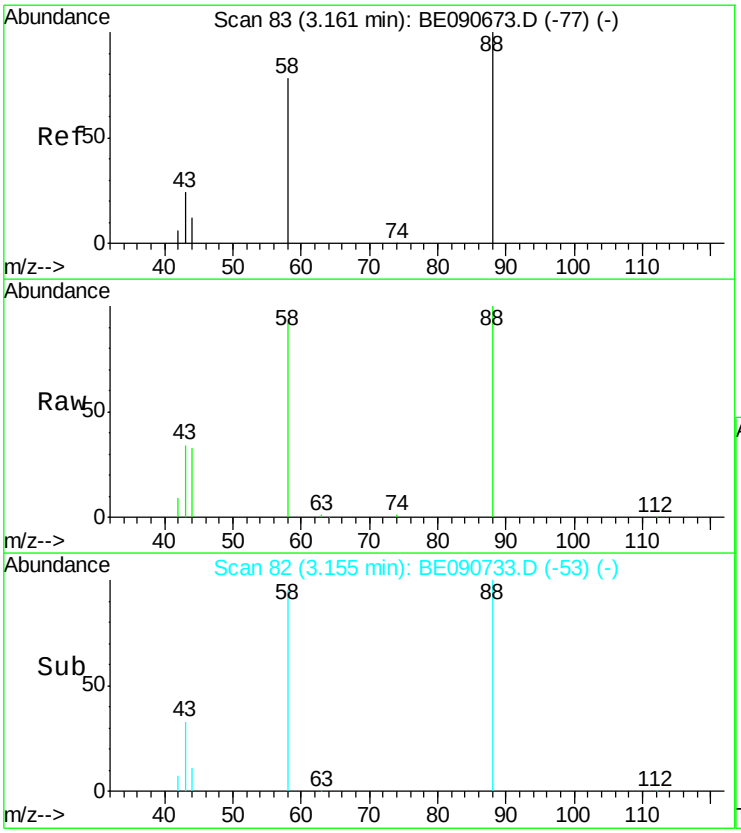
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 838
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:152 Resp: 38407

Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.2	183.4
115	65.9	51.0	76.4

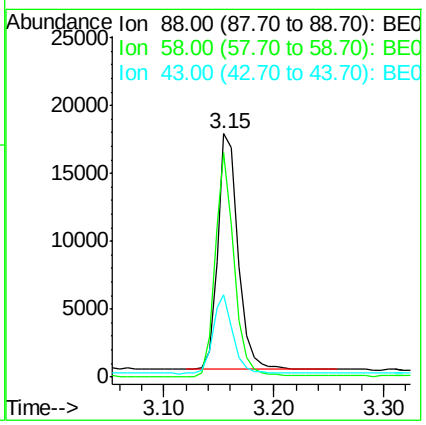


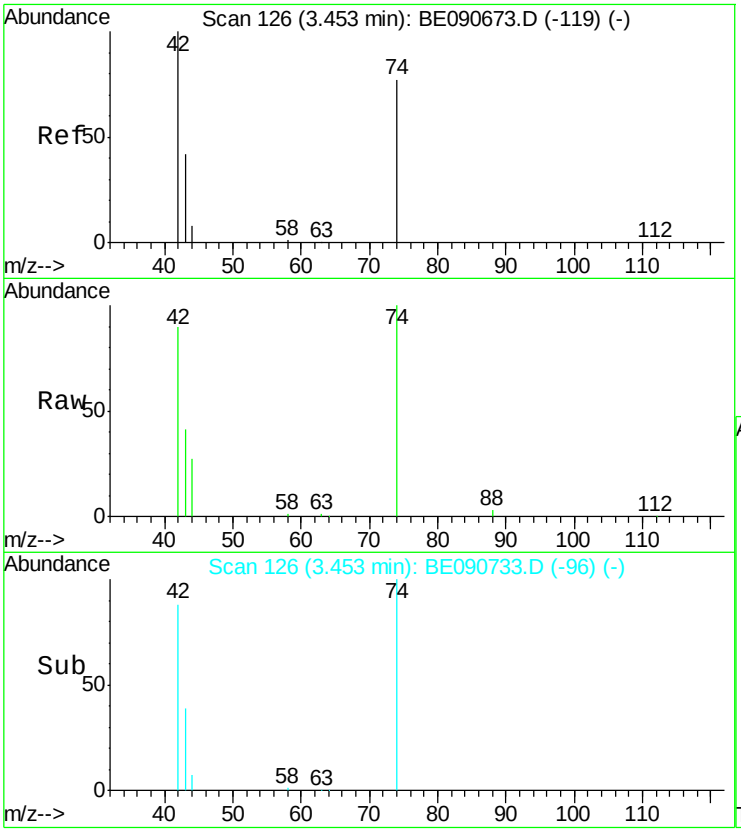


#2
1,4-Dioxane
Concen: 4.51 ng
RT: 3.15 min Scan# 82
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion: 88 Resp: 22574

Ion	Ratio	Lower	Upper
88	100		
58	88.0	68.4	102.6
43	32.9	26.9	40.3



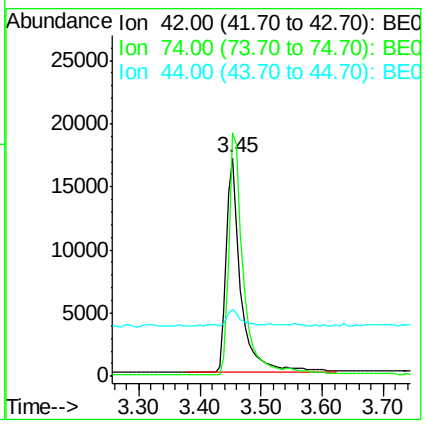


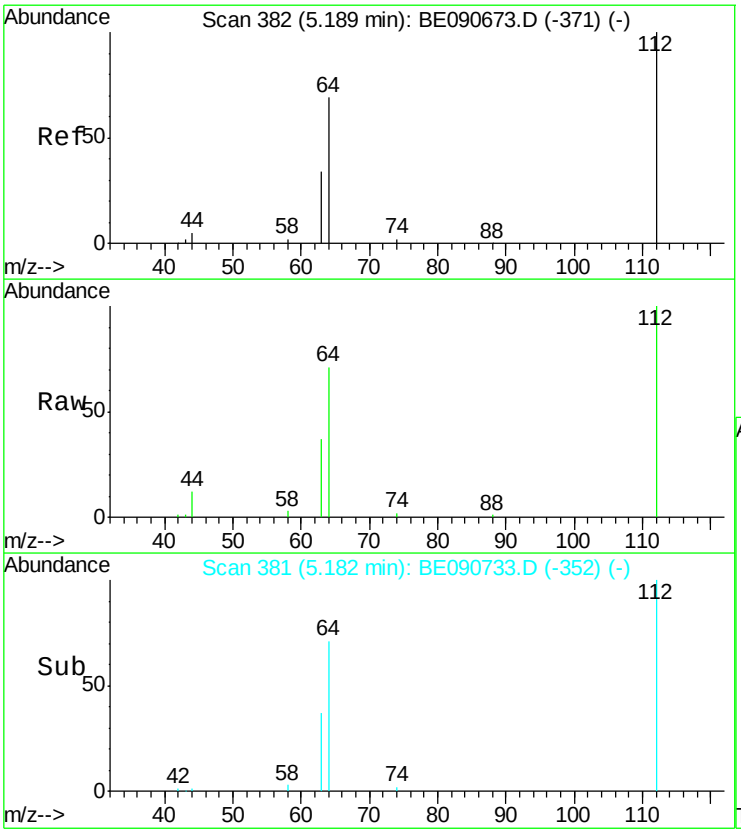
#3
n-Nitrosodimethylamine
Concen: 4.17 ng
RT: 3.45 min Scan# 126
Delta R.T. 0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion: 42 Resp: 28440

Ion	Ratio	Lower	Upper
42	100		
74	109.9	83.7	125.5
44	7.1	10.0	15.0#

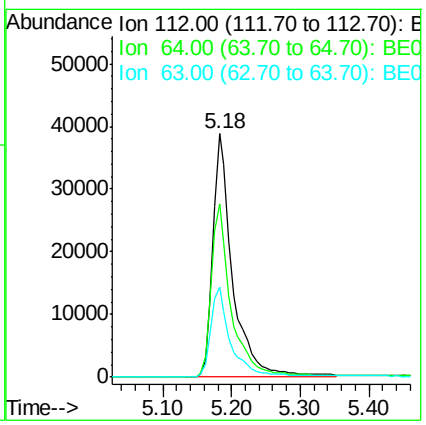


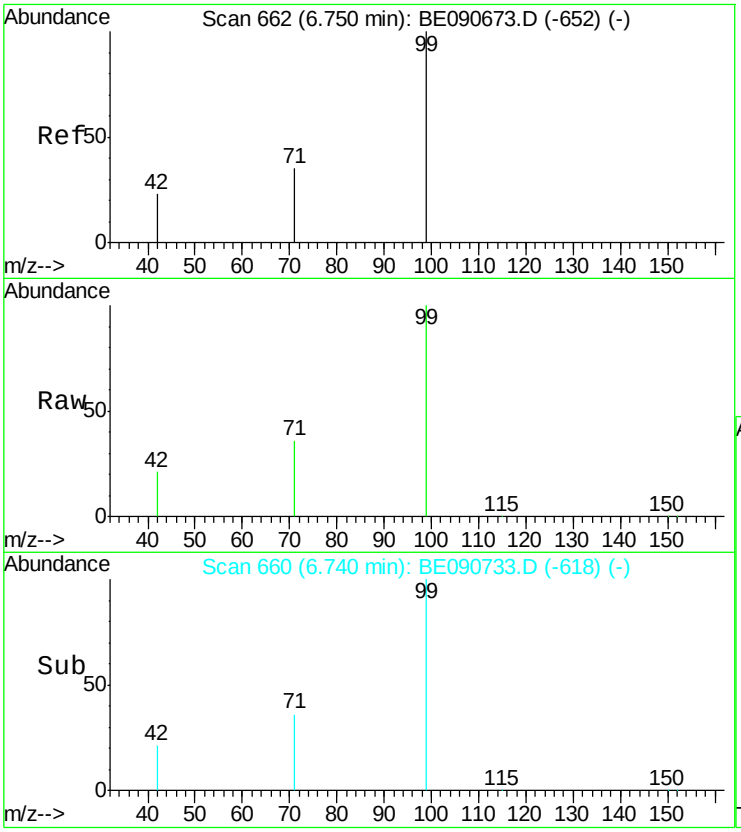


#4
2-Fluorophenol
Concen: 10.28 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:112 Resp: 77009

Ion	Ratio	Lower	Upper
112	100		
64	71.8	57.3	85.9
63	36.8	29.2	43.8



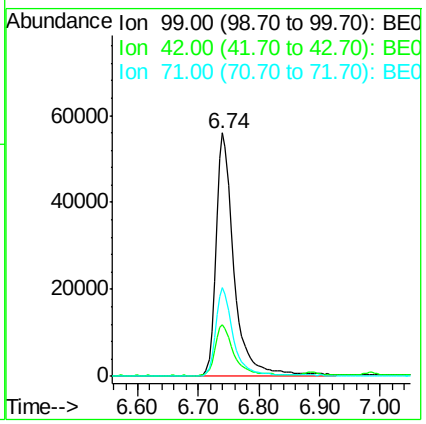


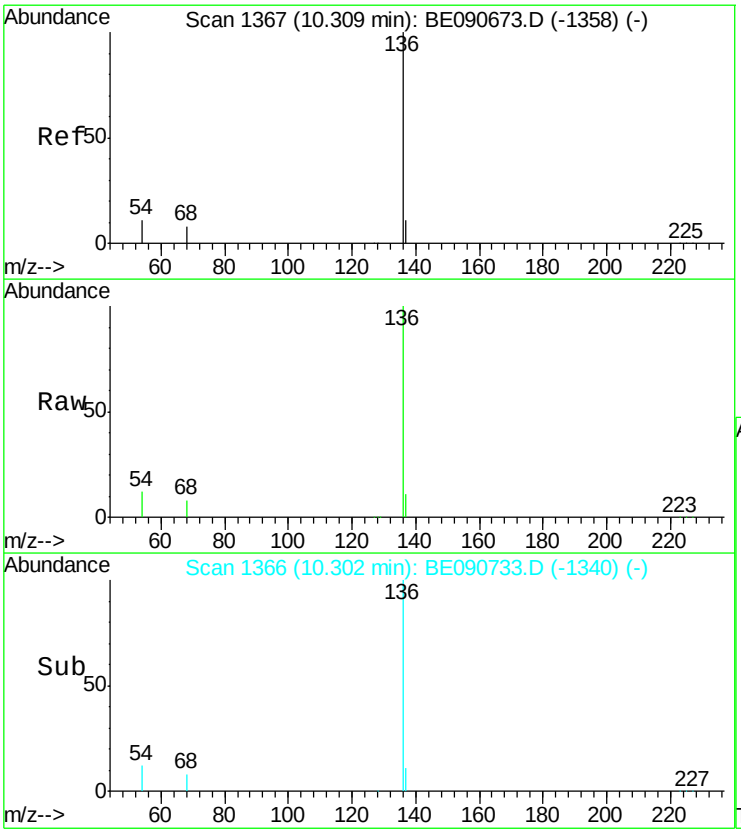
#5
Phenol-d6
Concen: 10.82 ng
RT: 6.74 min Scan# 660
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion: 99 Resp: 115681

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.8	25.2
71	36.1	28.3	42.5

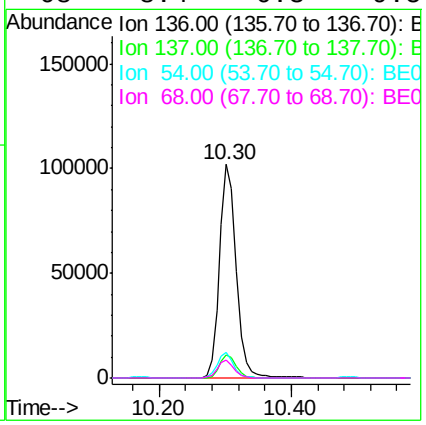


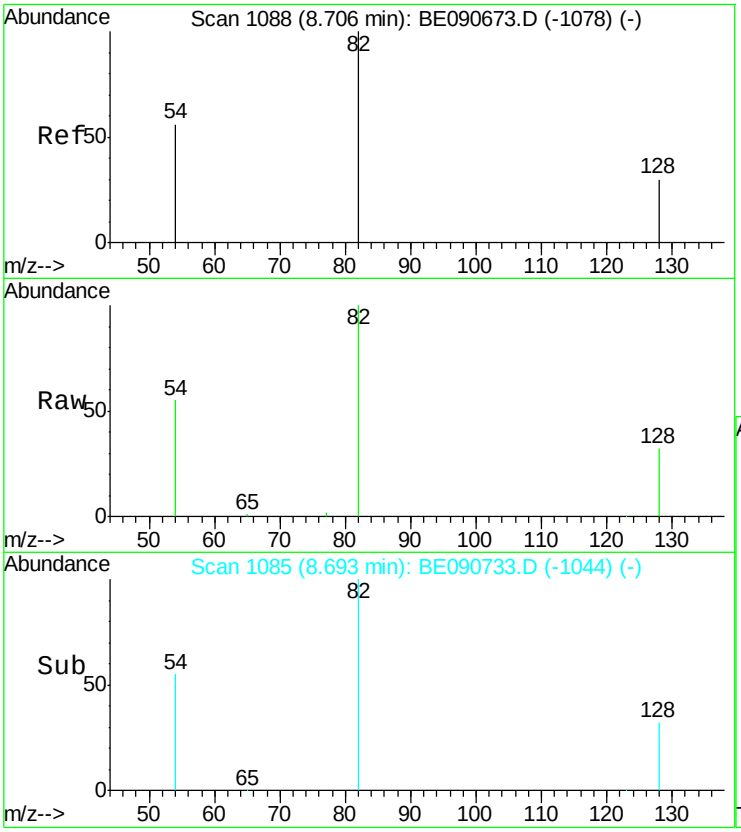


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.30 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:136 Resp: 179908

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.9	9.0	13.6
68	8.4	6.3	9.5



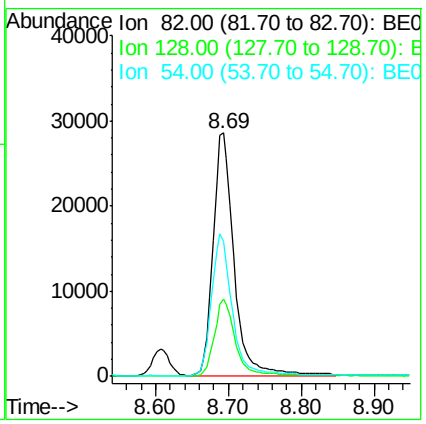


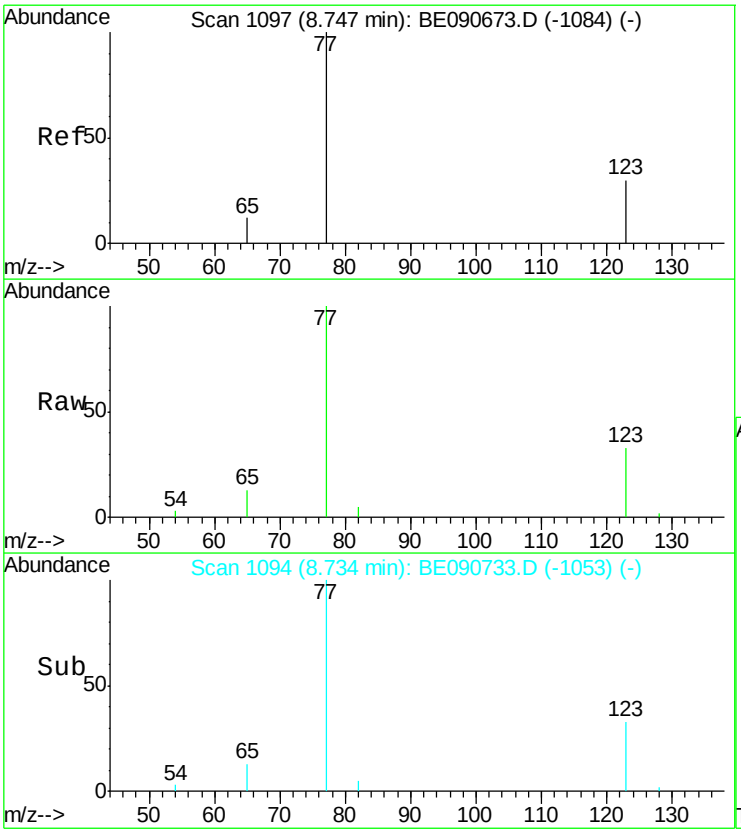
#7
Nitrobenzene-d5
Concen: 4.76 ng
RT: 8.69 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion: 82 Resp: 56589

Ion	Ratio	Lower	Upper
82	100		
128	31.9	25.0	37.4
54	55.3	46.3	69.5

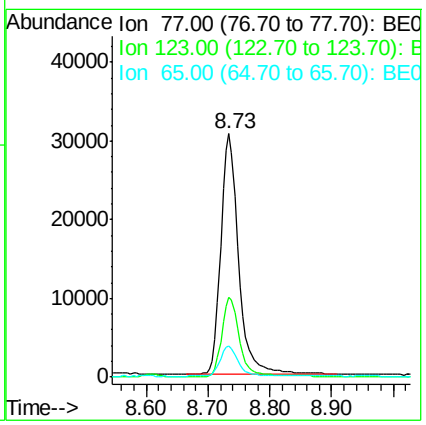


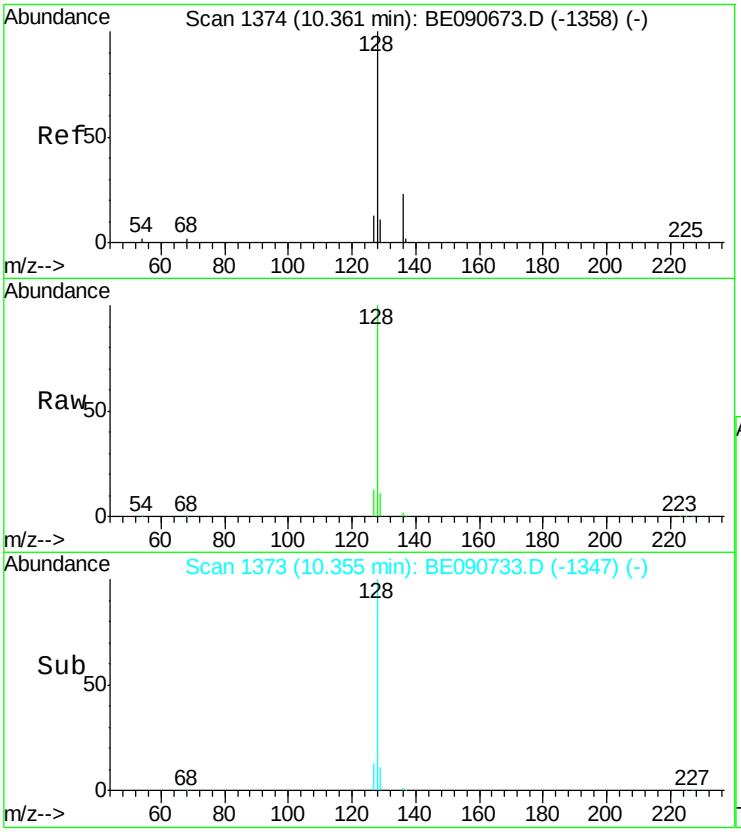


#8
Nitrobenzene
Concen: 4.20 ng
RT: 8.73 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion: 77 Resp: 61135

Ion	Ratio	Lower	Upper
77	100		
123	32.9	25.1	37.7
65	12.7	9.9	14.9



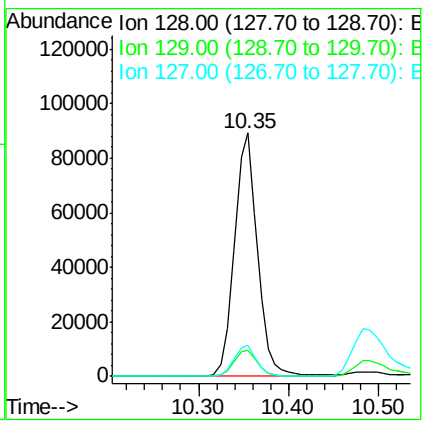


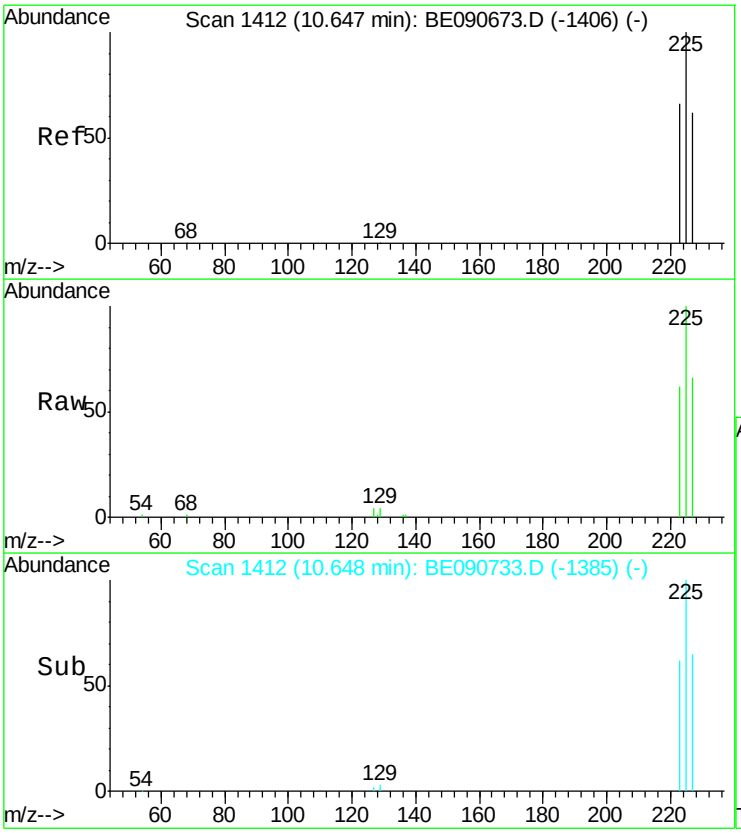
#9
Naphthalene
Concen: 3.99 ng
RT: 10.35 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:128 Resp: 156740

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.0	10.6	15.8

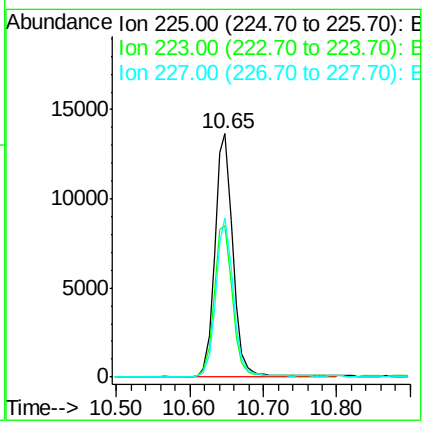


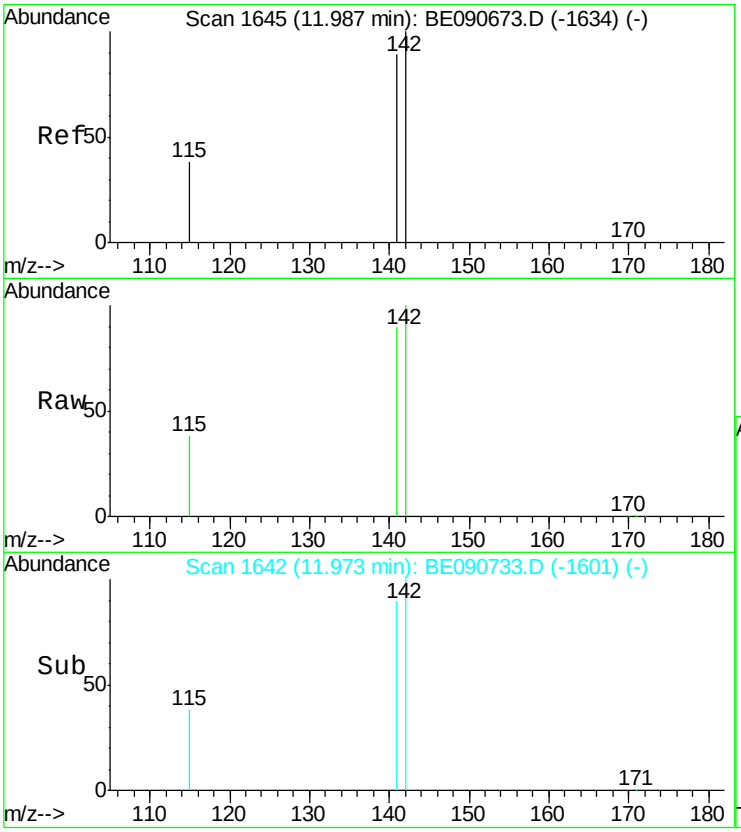


#10
Hexachlorobutadiene
Concen: 3.76 ng
RT: 10.65 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:225 Resp: 23053

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	63.3	51.0	76.6



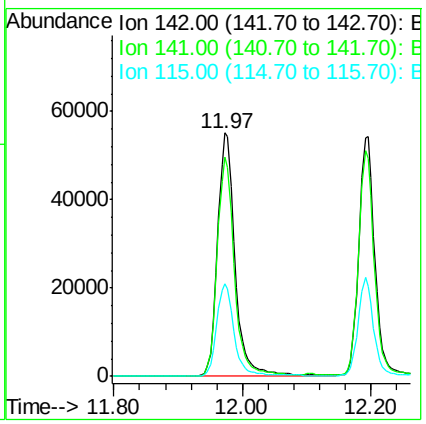


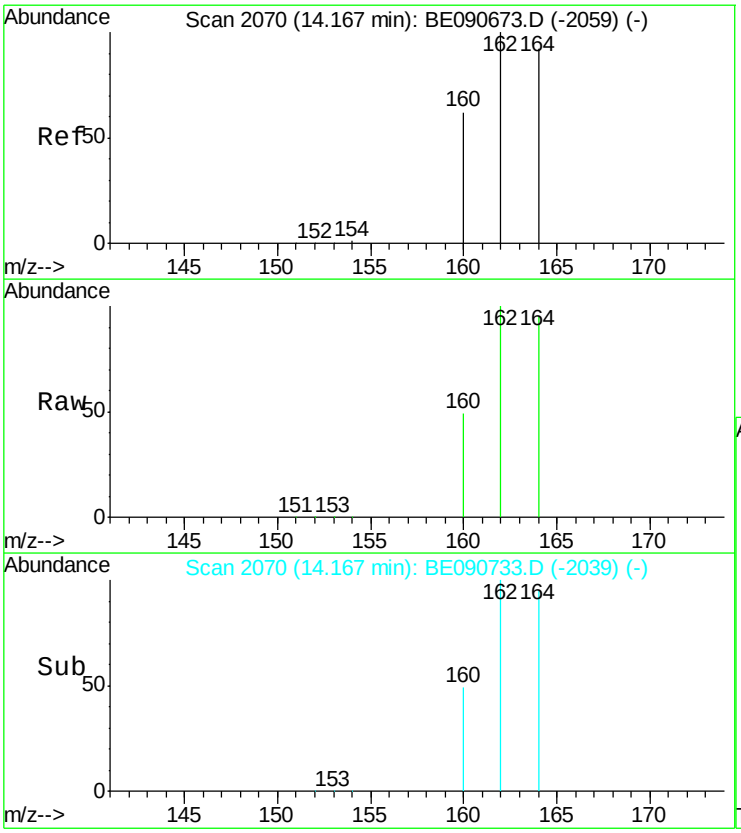
#11
2-Methylnaphthalene
Concen: 4.88 ng
RT: 11.97 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:142 Resp: 103468

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.4	107.2
115	38.0	31.0	46.4

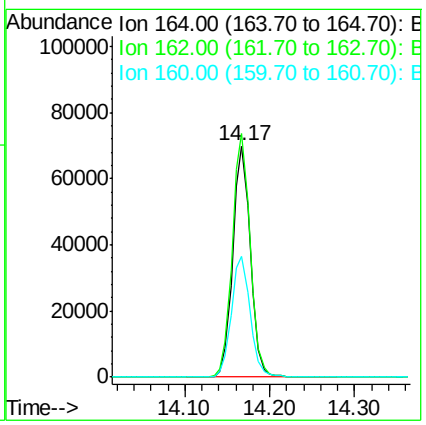


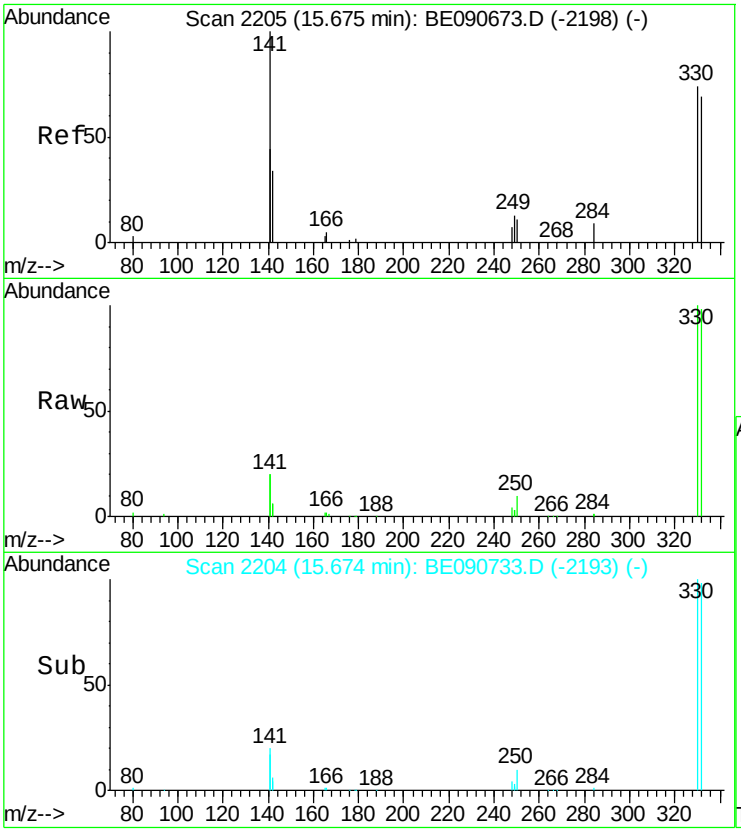


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2070
Delta R.T. 0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:164 Resp: 99722

Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.8	130.2
160	52.0	53.9	80.9#



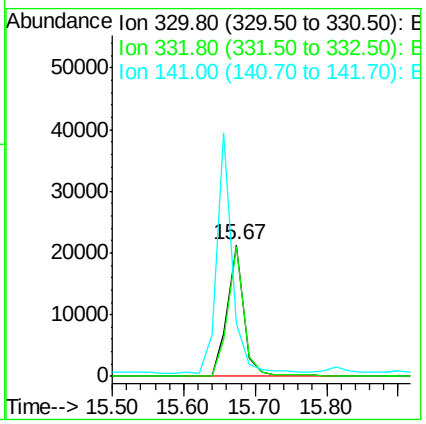


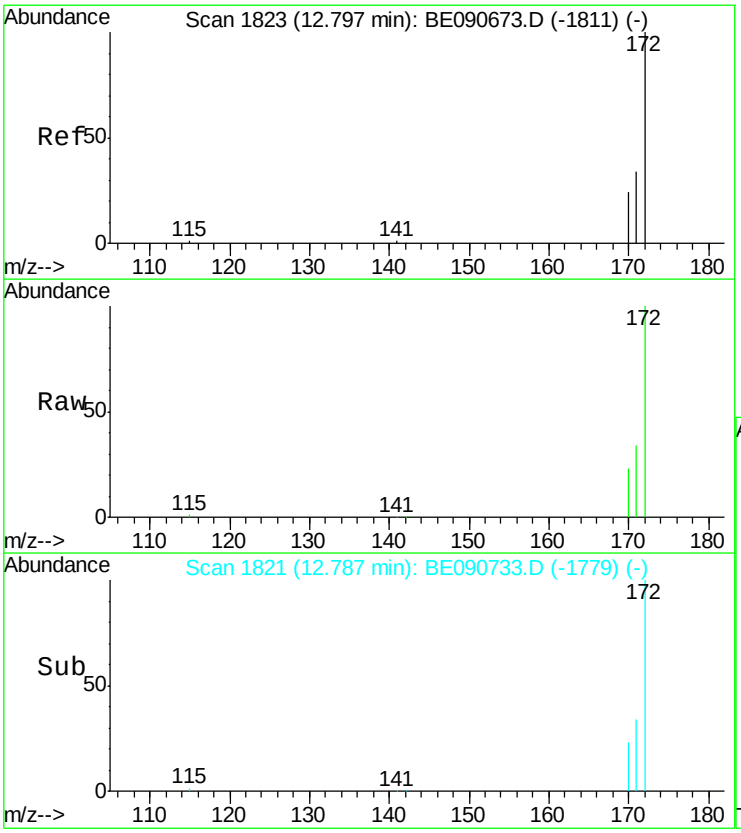
#13
2,4,6-Tribromophenol
Concen: 11.65 ng
RT: 15.67 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:330 Resp: 34305

Ion	Ratio	Lower	Upper
330	100		
332	96.4	74.9	112.3
141	172.8	145.2	217.8

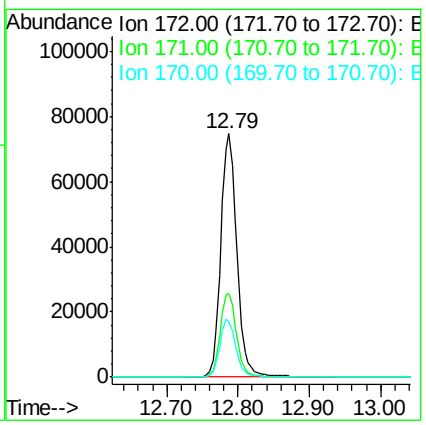


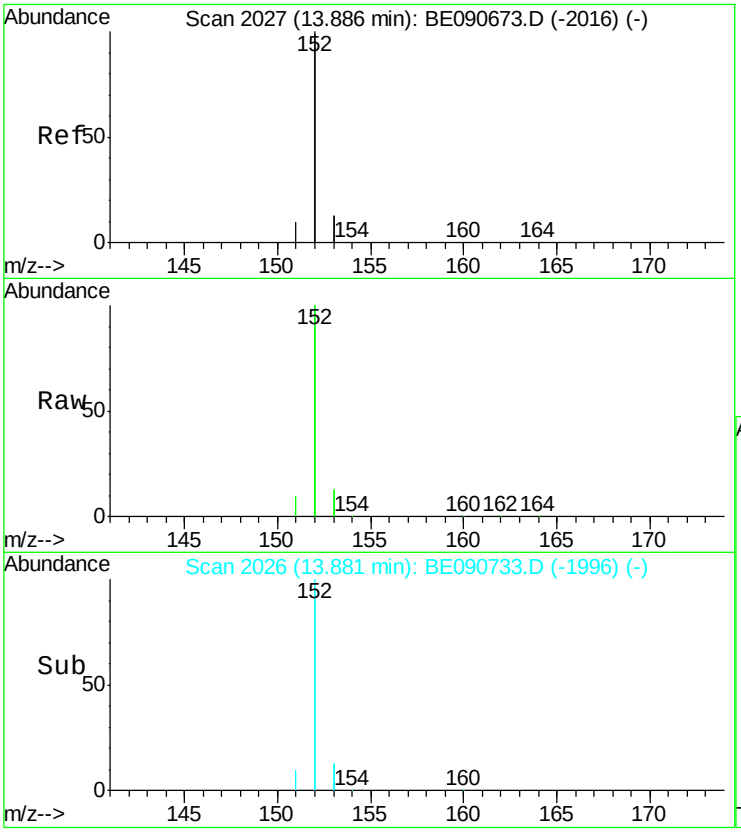


#14
2-Fluorobiphenyl
Concen: 4.29 ng
RT: 12.79 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:172 Resp: 118353

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.8
170	23.0	19.8	29.6



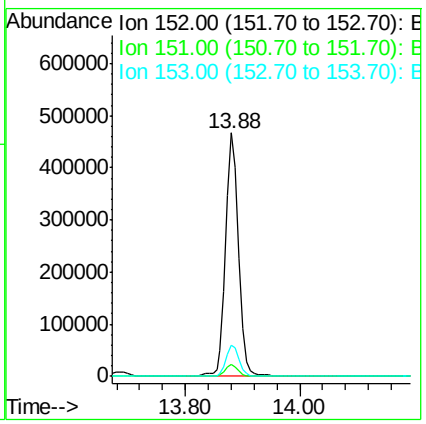


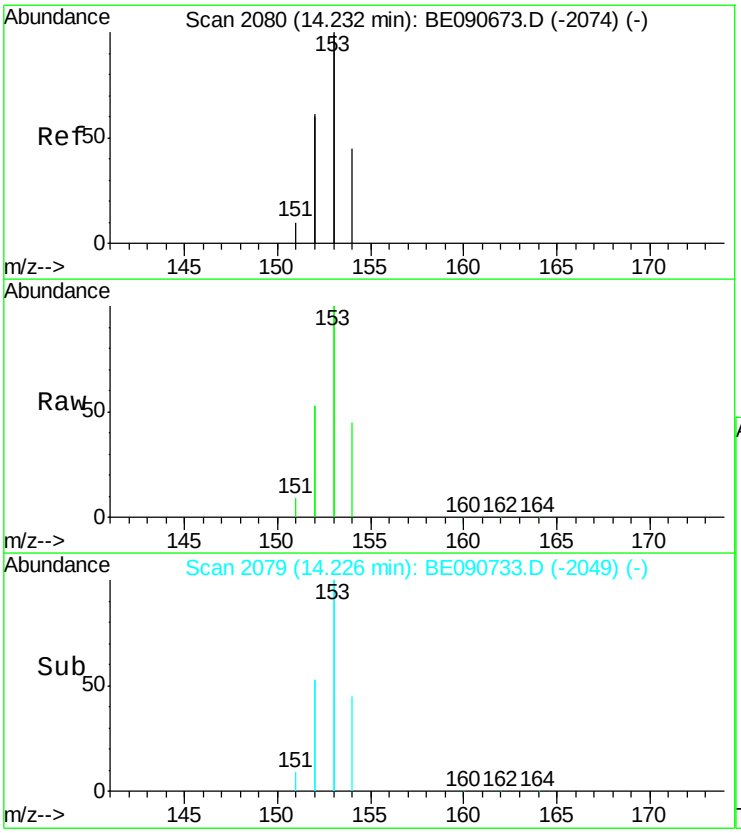
#15
Acenaphthylene
Concen: 4.52 ng
RT: 13.88 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:152 Resp: 719771

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

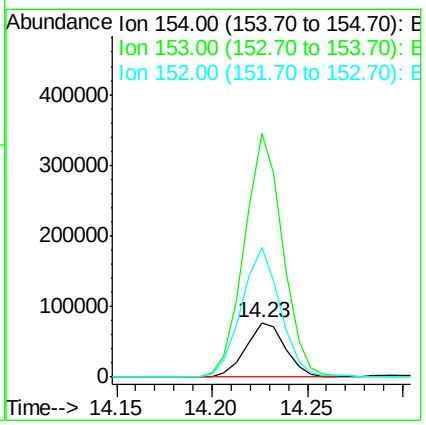


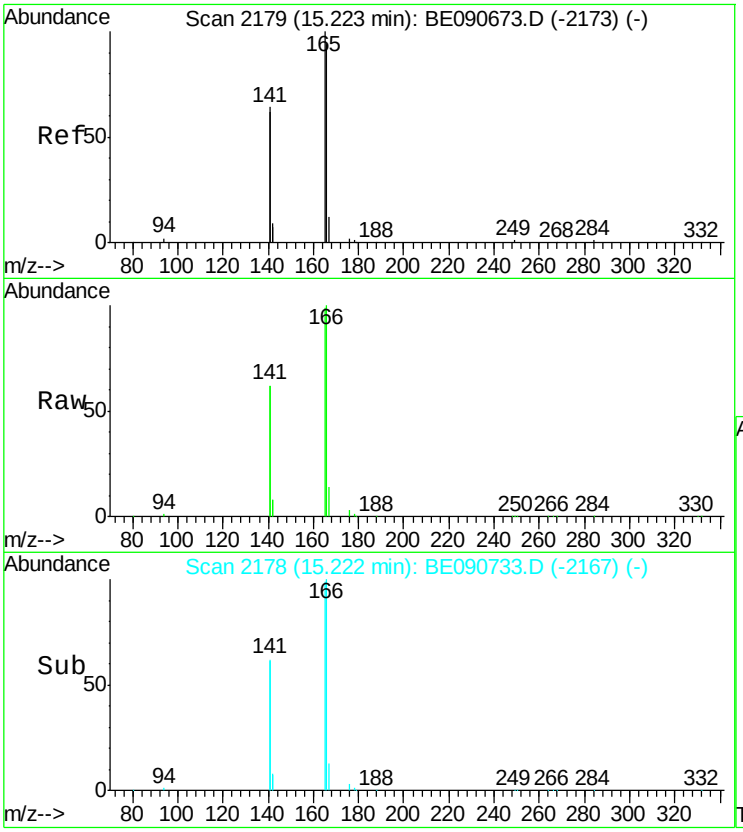


#16
Acenaphthene
Concen: 4.17 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:154 Resp: 110927

Ion	Ratio	Lower	Upper
154	100		
153	437.5	354.5	531.7
152	235.3	227.8	341.6



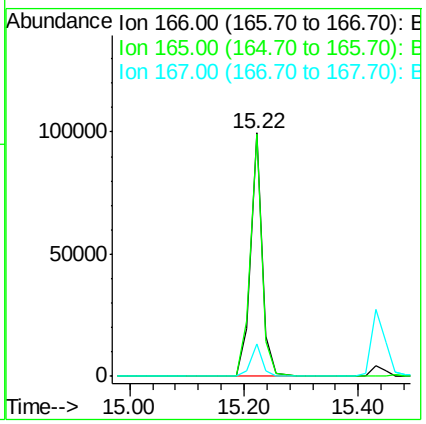


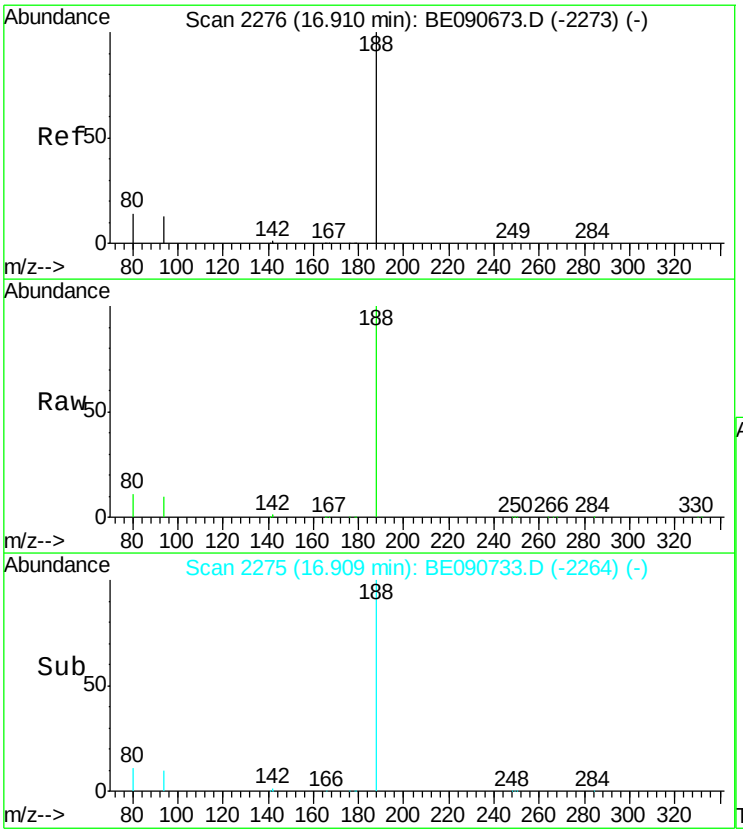
#17
Fluorene
Concen: 4.34 ng
RT: 15.22 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:166 Resp: 144316

Ion	Ratio	Lower	Upper
166	100		
165	100.1	82.7	124.1
167	13.4	10.7	16.1

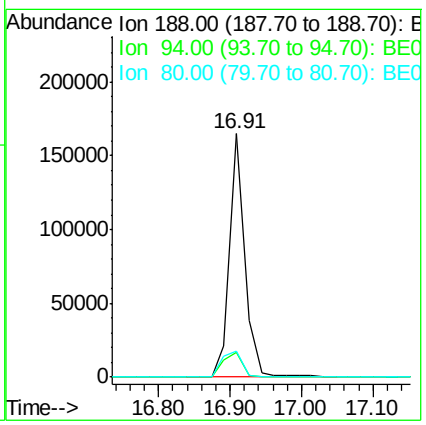


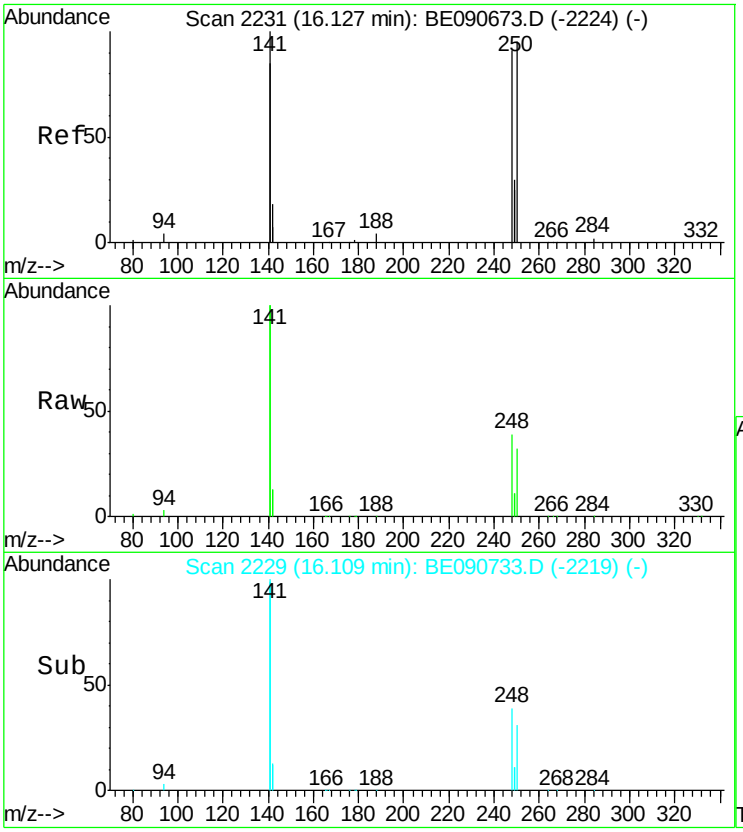


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:188 Resp: 241323

Ion	Ratio	Lower	Upper
188	100		
94	10.1	10.3	15.5#
80	10.8	11.0	16.6#



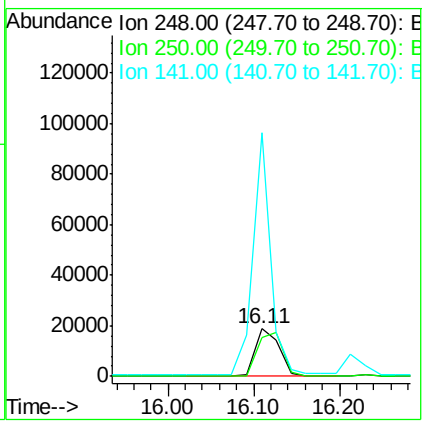


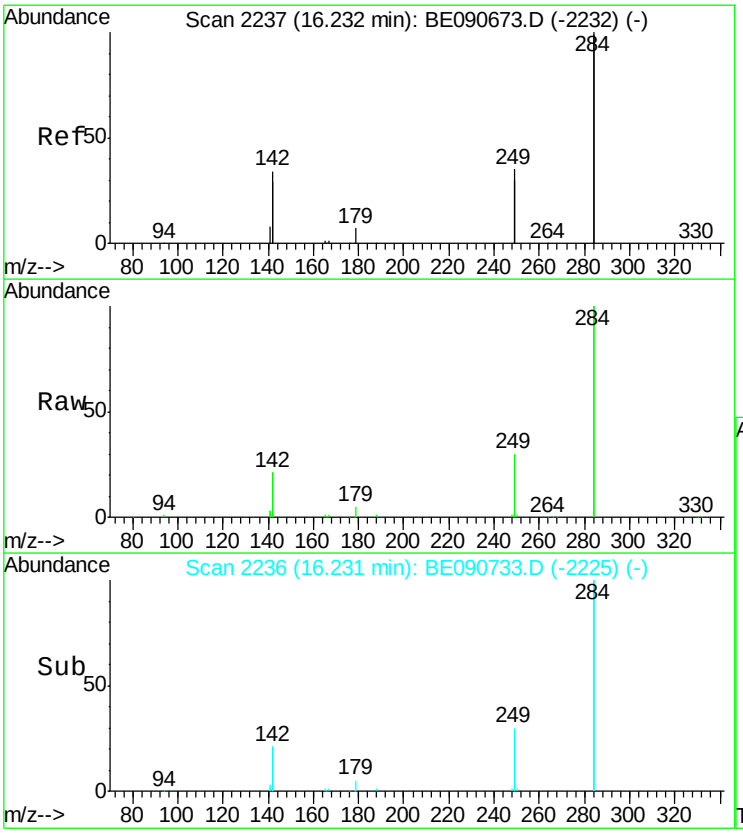
#19
4-Bromophenyl-phenylether
Concen: 4.50 ng
RT: 16.11 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:248 Resp: 37059

Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.7	115.1
141	370.0	292.6	439.0

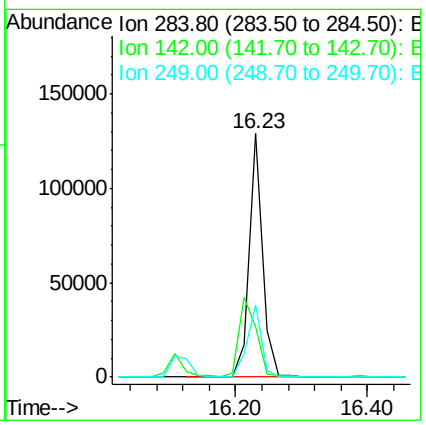


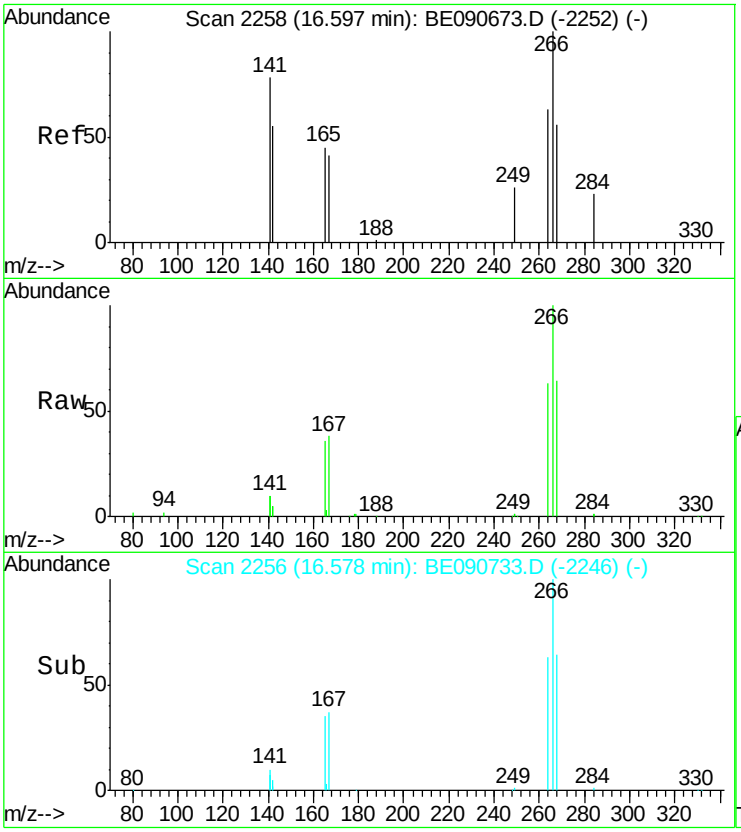


#20
Hexachlorobenzene
Concen: 4.56 ng
RT: 16.23 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:284 Resp: 179453

Ion	Ratio	Lower	Upper
284	100		
142	41.2	35.0	52.4
249	31.7	25.5	38.3



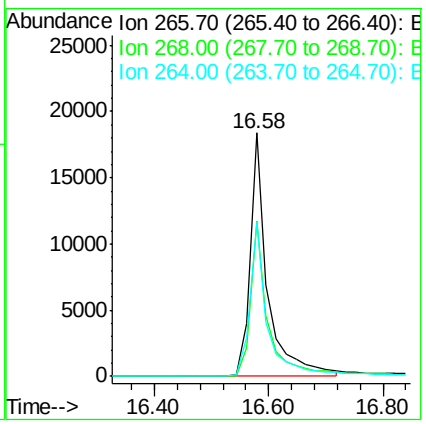


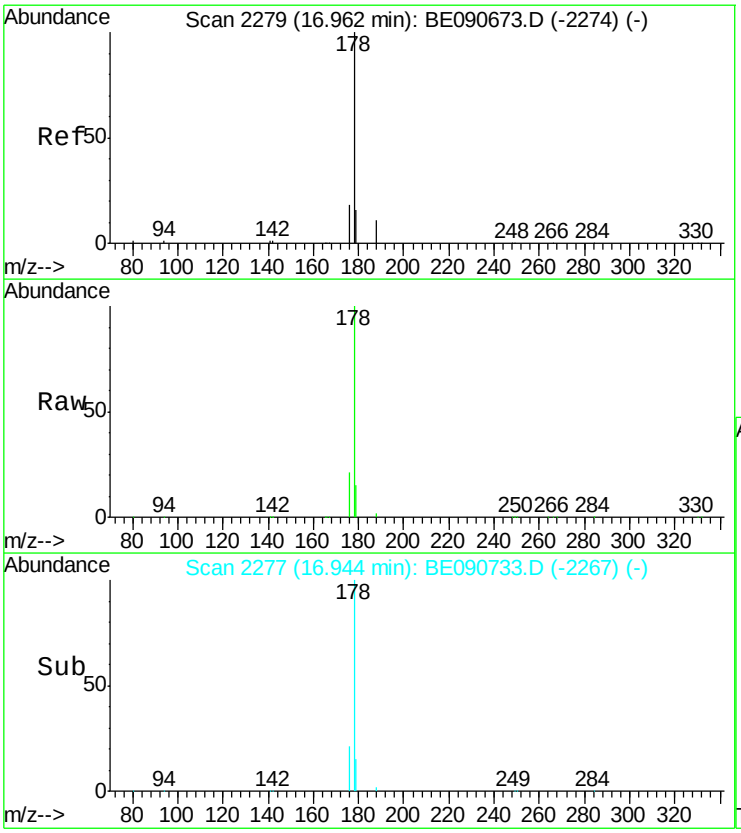
#21
Pentachlorophenol
Concen: 11.38 ng
RT: 16.58 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:266 Resp: 38807

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.6	74.4
264	63.3	53.9	80.9

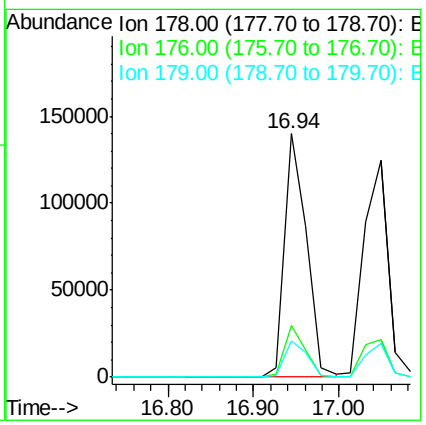


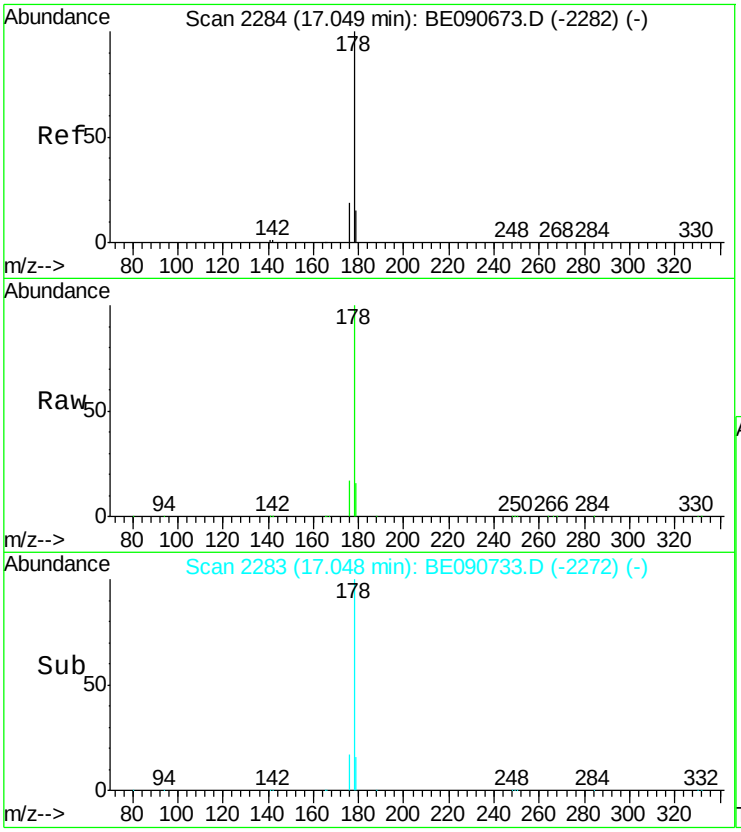


#22
Phenanthrene
Concen: 4.18 ng
RT: 16.94 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:178 Resp: 249702

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	15.4	12.8	19.2



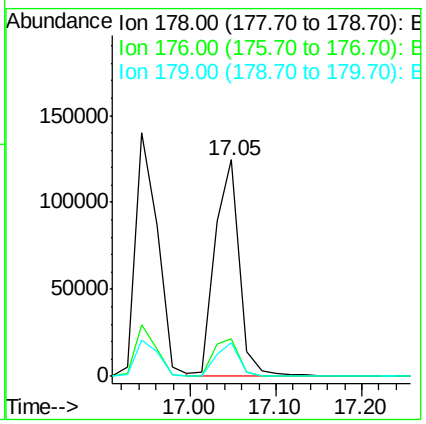


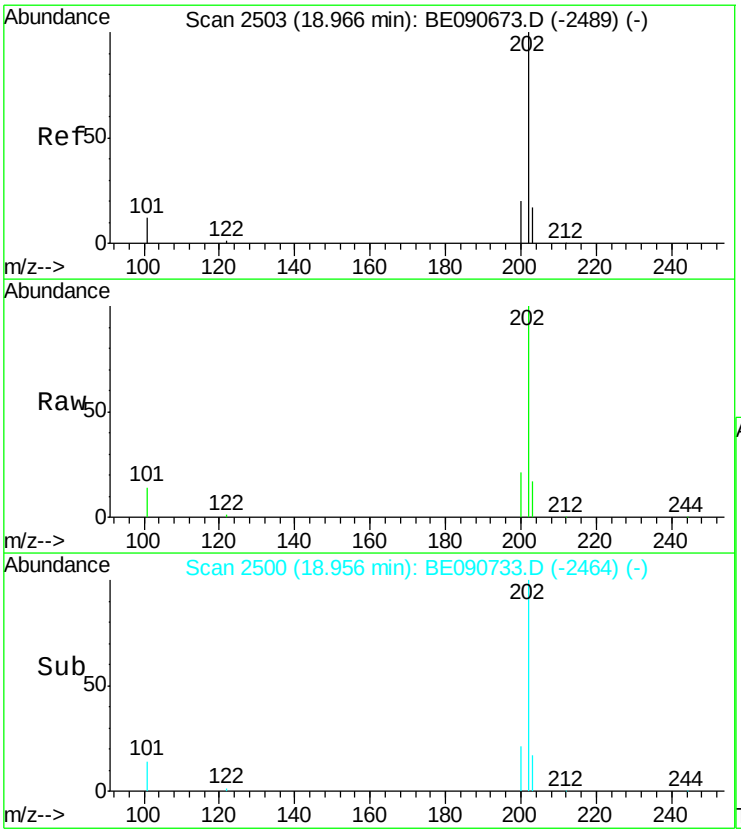
#23
Anthracene
Concen: 4.90 ng
RT: 17.05 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:178 Resp: 244665

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.1	12.3	18.5

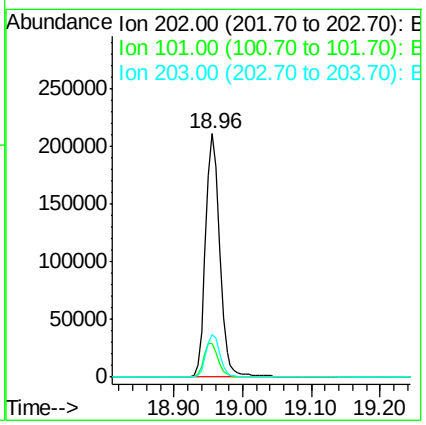


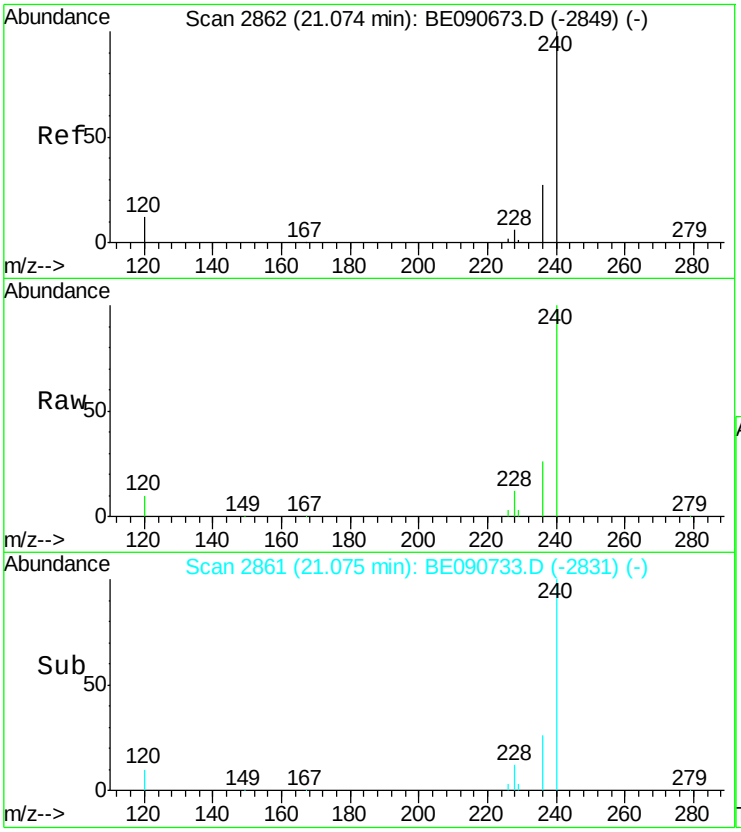


#24
Fluoranthene
Concen: 4.78 ng
RT: 18.96 min Scan# 2500
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:202 Resp: 300609

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



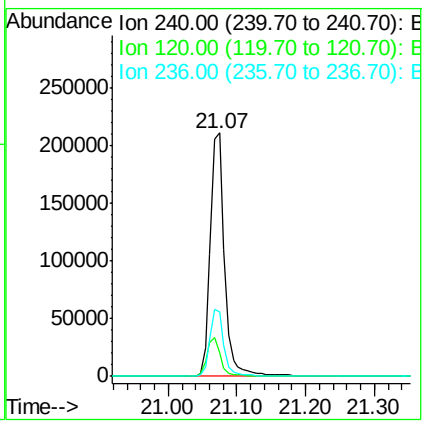


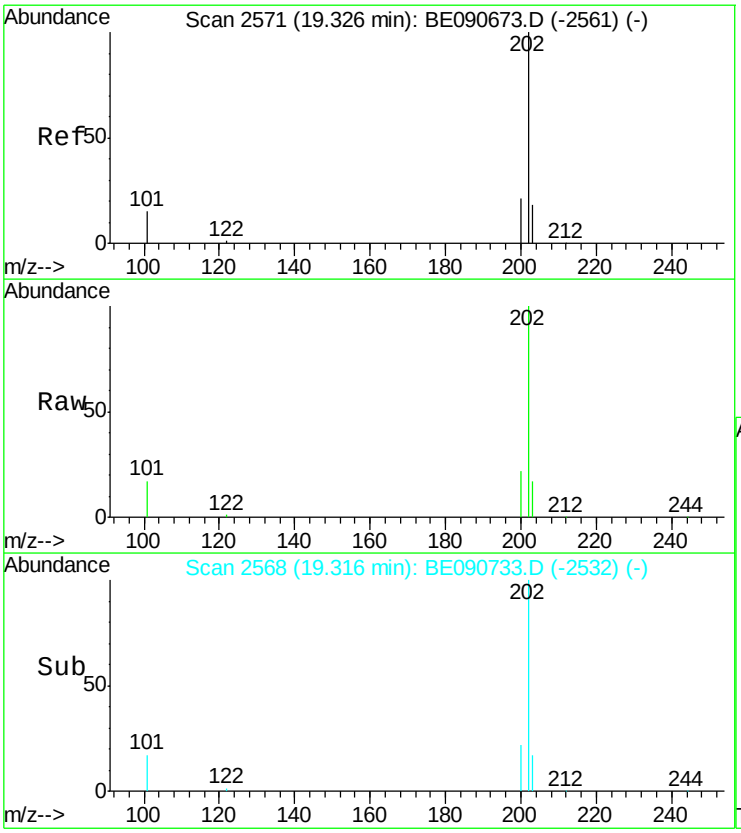
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2861
Delta R.T. 0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:240 Resp: 304971

Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.1	15.1#
236	26.3	21.9	32.9

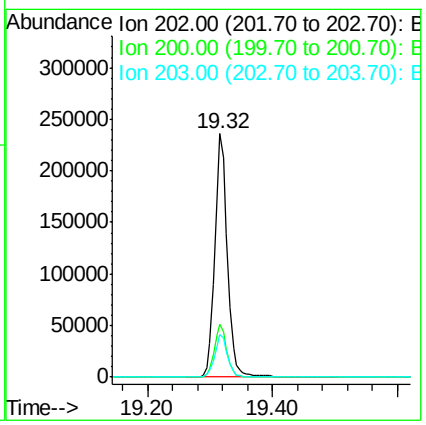


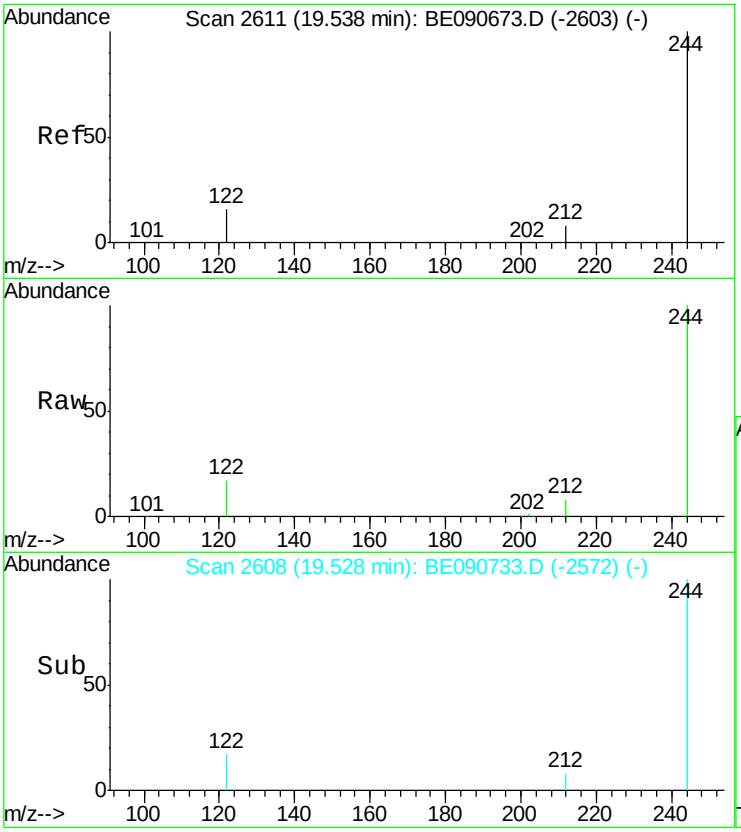


#26
Pyrene
Concen: 5.21 ng
RT: 19.32 min Scan# 2568
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:202 Resp: 328643

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.9	13.8	20.6



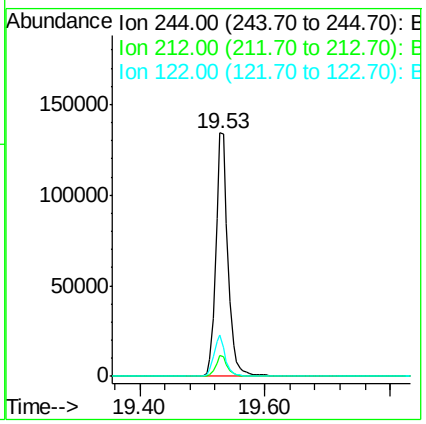


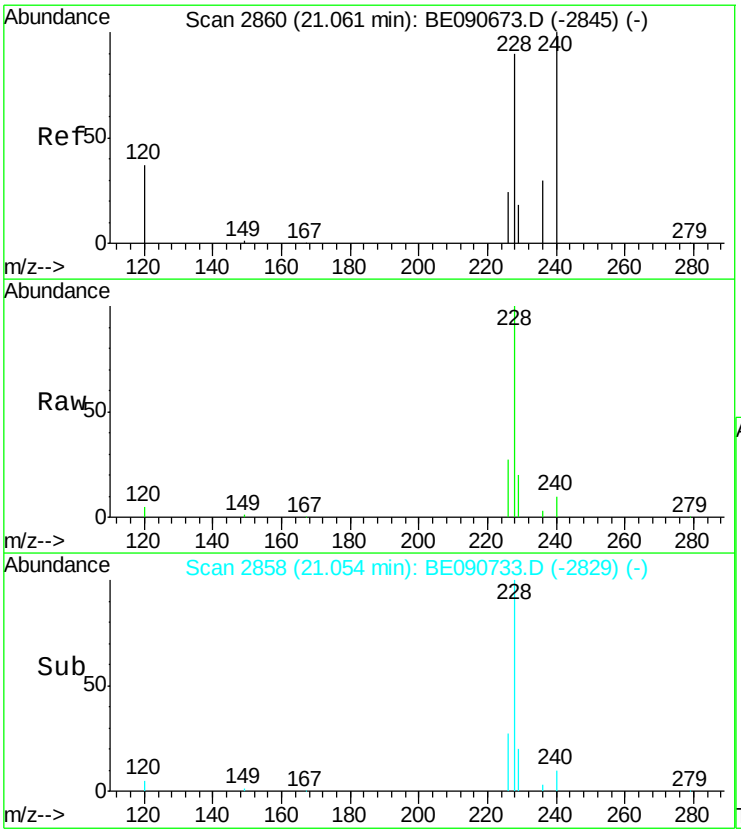
#27
Terphenyl-d14
Concen: 5.37 ng
RT: 19.53 min Scan# 2608
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:244 Resp: 181164

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.9	10.3
122	16.8	12.9	19.3

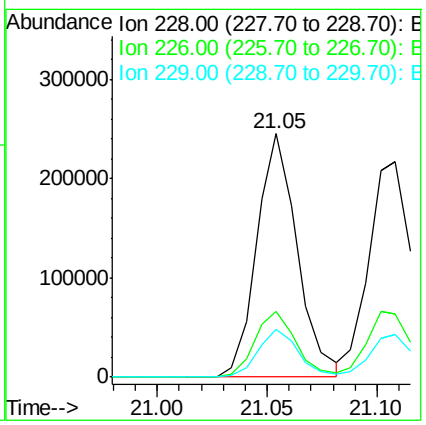


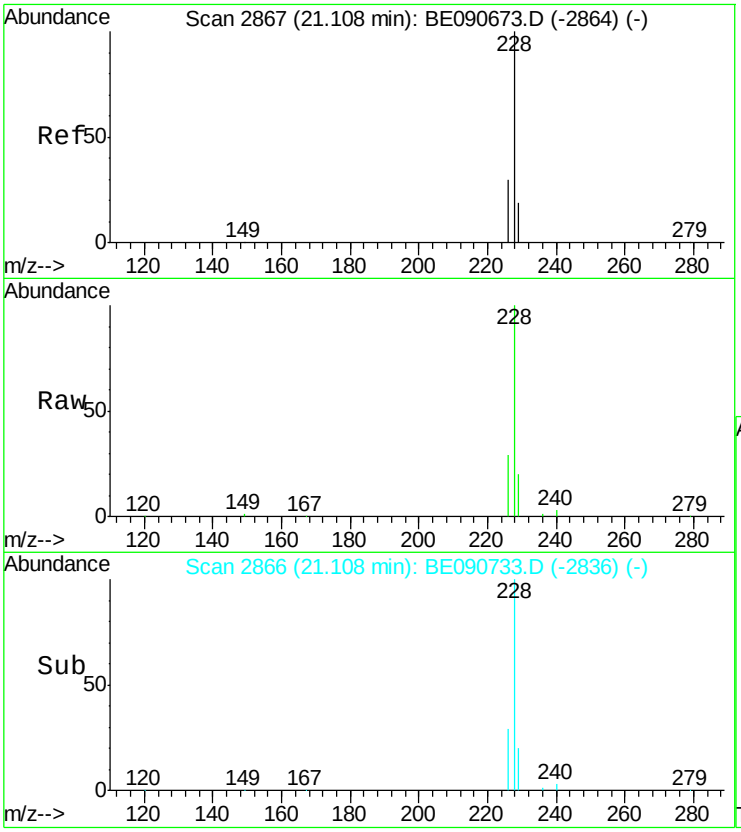


#28
Benzo(a)anthracene
Concen: 4.72 ng
RT: 21.05 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:228 Resp: 315604

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.6	32.4
229	19.6	15.9	23.9



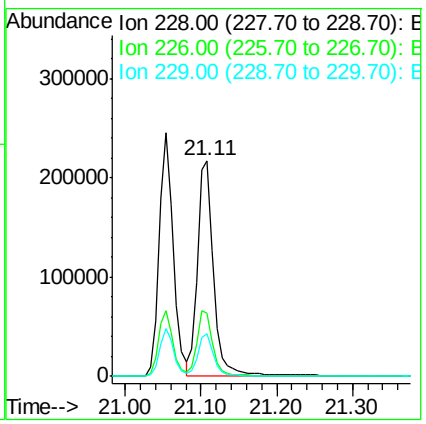


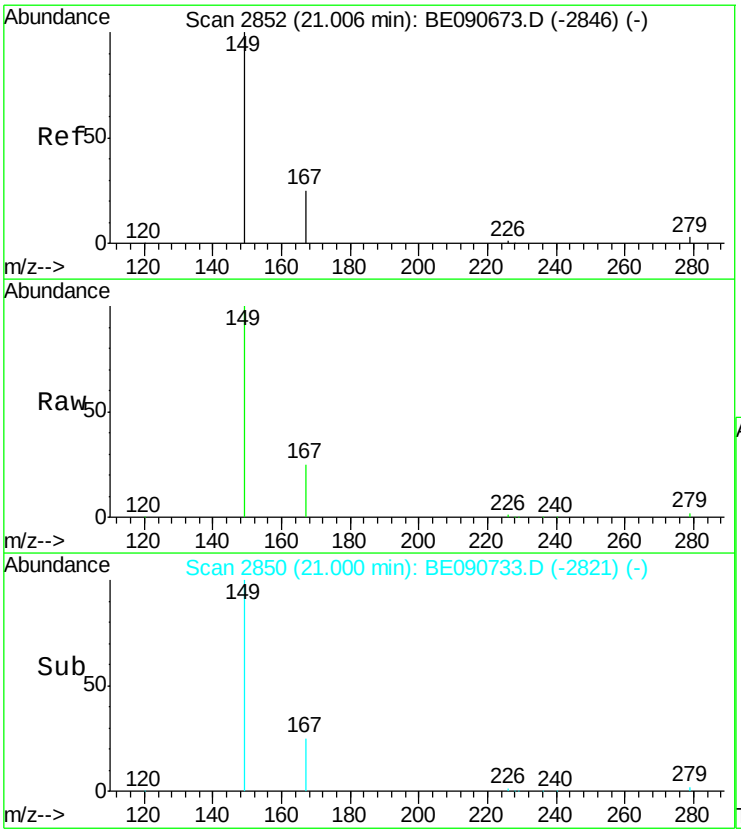
#29
Chrysene
Concen: 4.53 ng
RT: 21.11 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:228 Resp: 319162

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.4
229	20.0	15.3	22.9

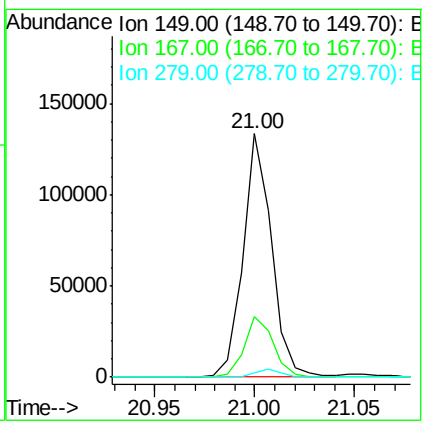


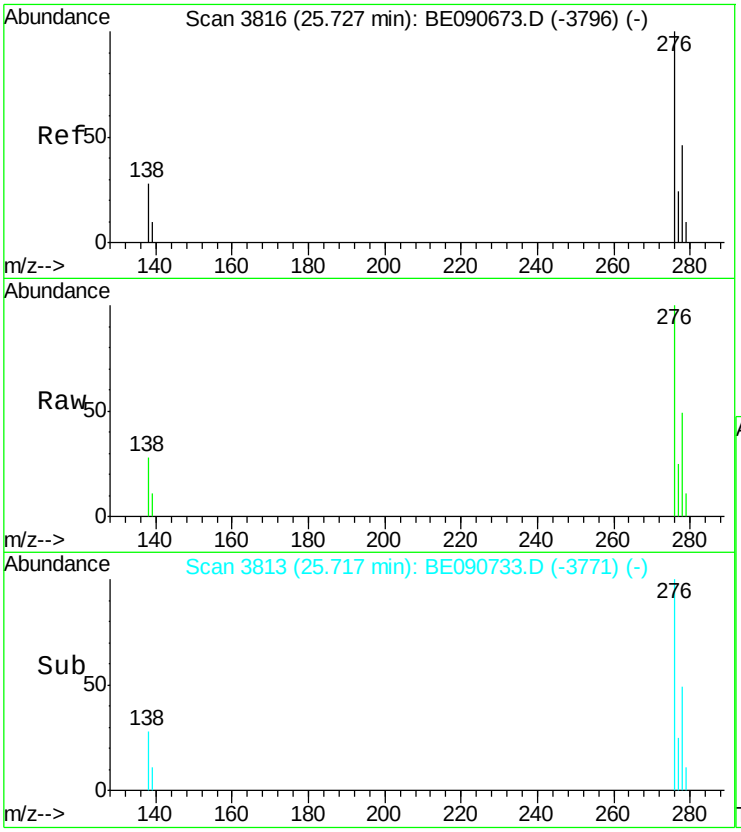


#30
Bis(2-ethylhexyl)phthalate
Concen: 5.56 ng
RT: 21.00 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:149 Resp: 132192

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



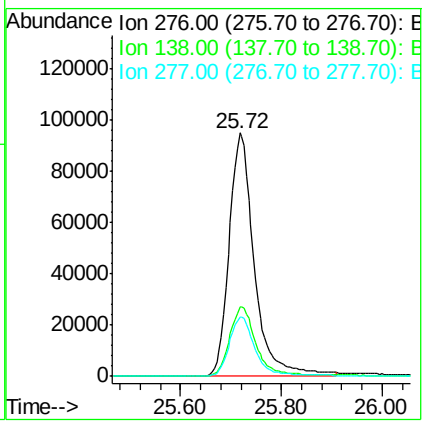


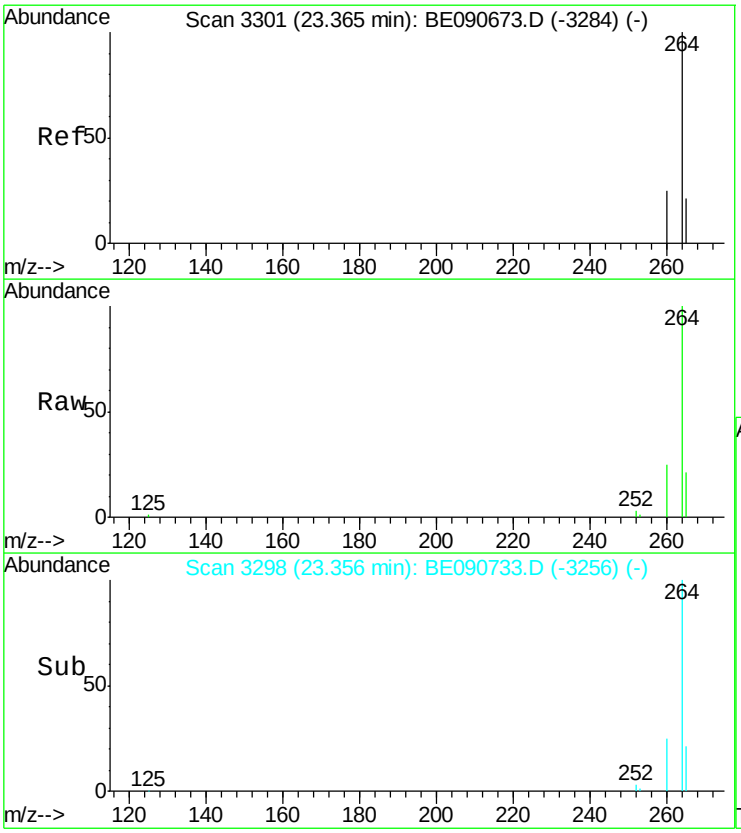
#31
Indeno(1,2,3-cd)pyrene
Concen: 4.59 ng
RT: 25.72 min Scan# 3813
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:276 Resp: 331005

Ion	Ratio	Lower	Upper
276	100		
138	30.1	23.3	34.9
277	25.0	19.8	29.6

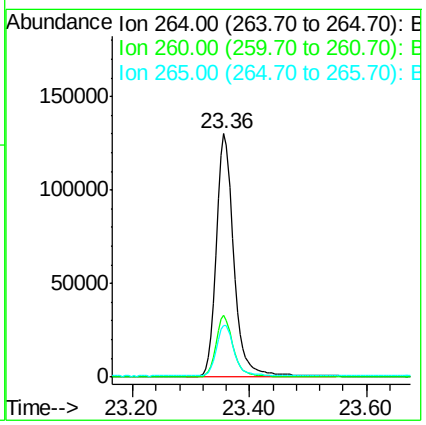


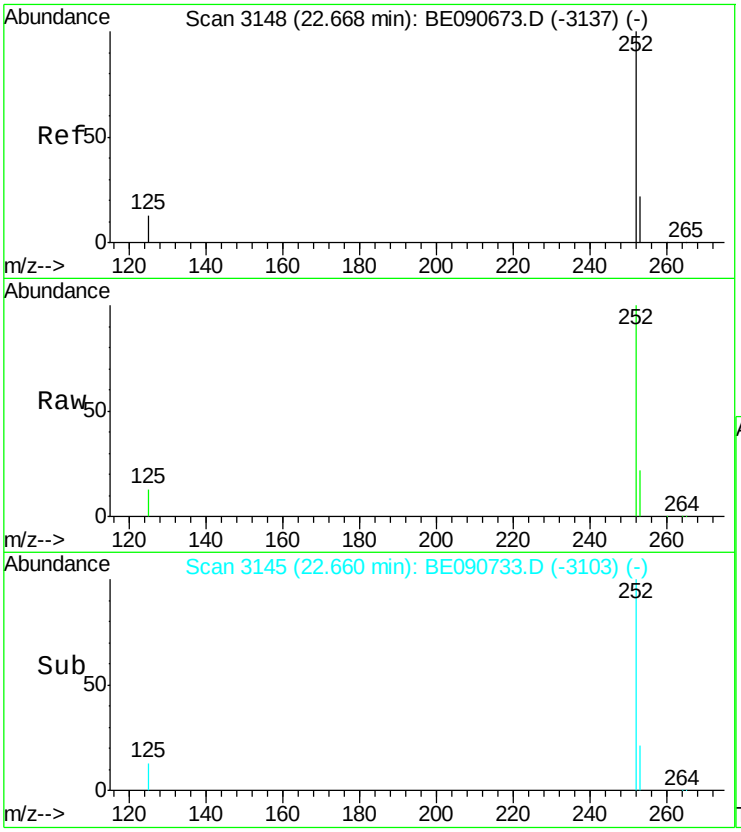


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3298
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:264 Resp: 268938

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	21.4	17.5	26.3



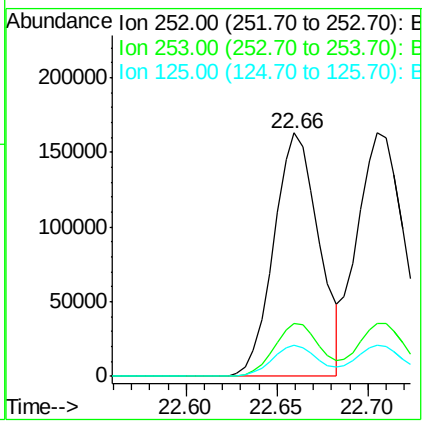


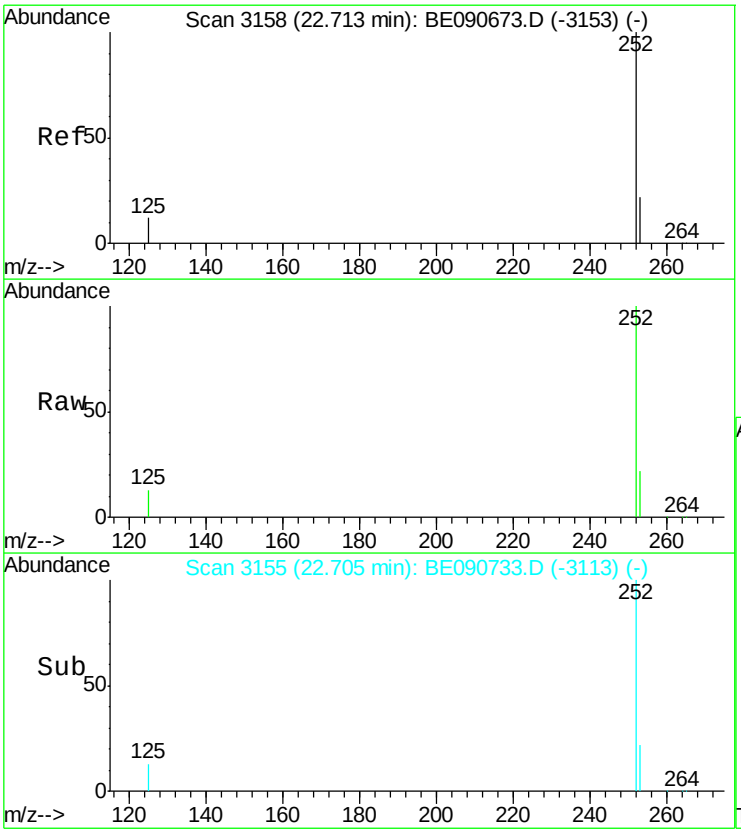
#33
Benzo(b)fluoranthene
Concen: 4.82 ng
RT: 22.66 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:252 Resp: 280779

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.9	10.6	16.0

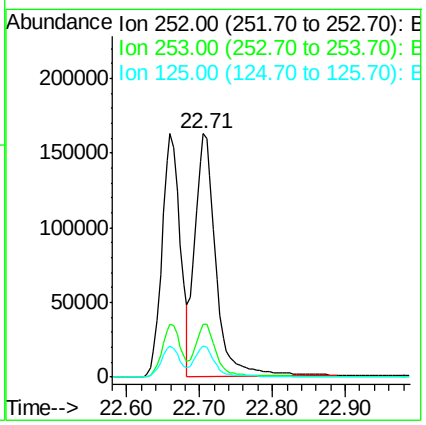


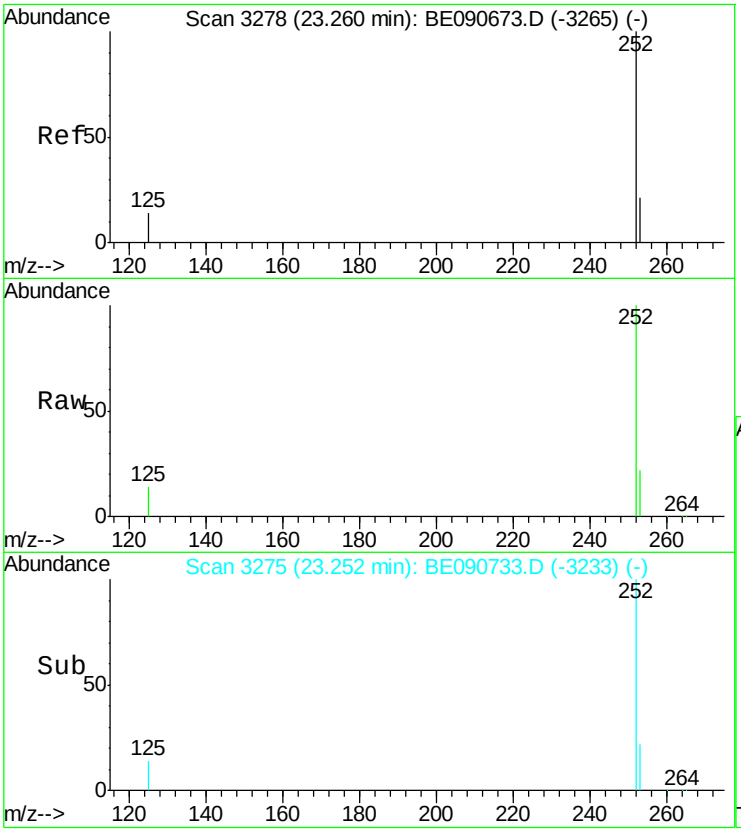


#34
Benzo(k)fluoranthene
Concen: 4.72 ng
RT: 22.71 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:252 Resp: 320448

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



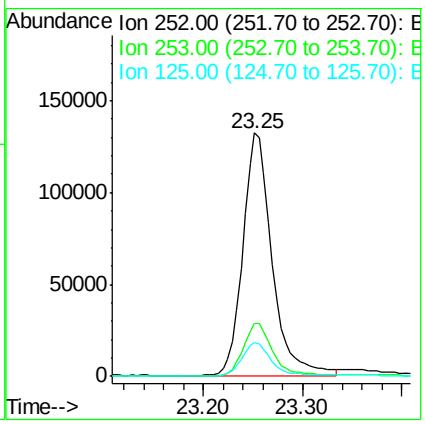


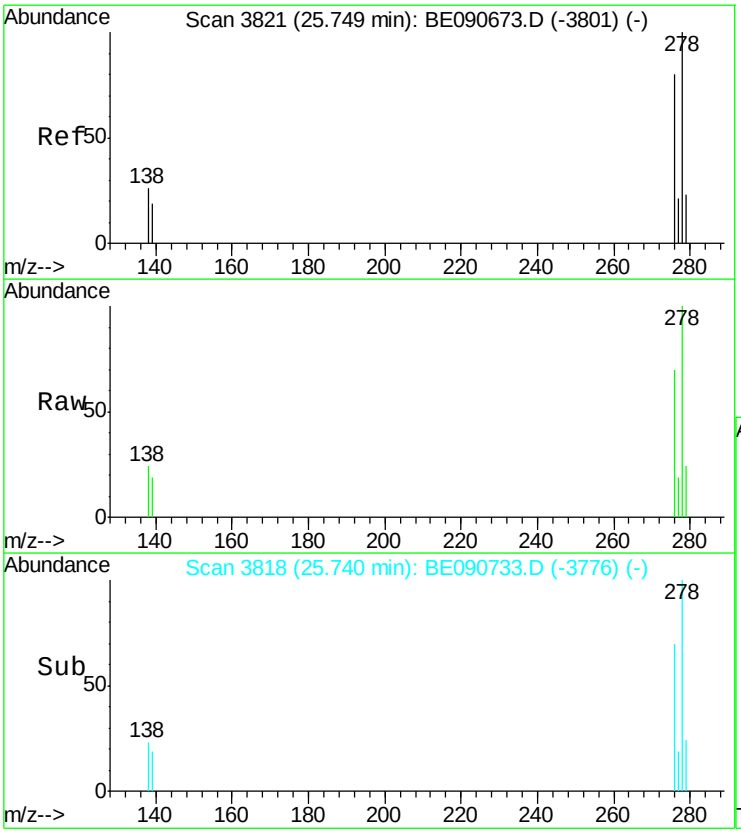
#35
Benzo(a)pyrene
Concen: 5.19 ng
RT: 23.25 min Scan# 3275
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:252 Resp: 271003

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.1	11.6	17.4

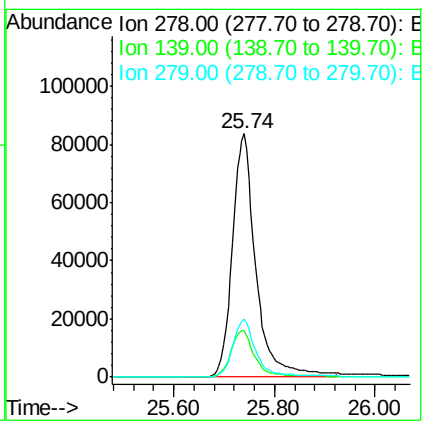


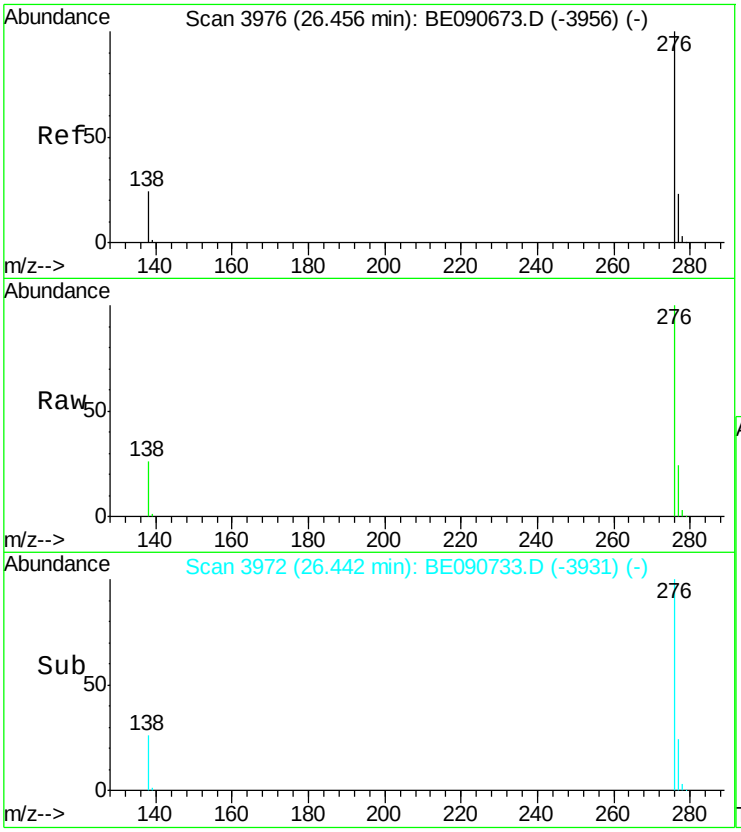


#36
Dibenzo(a,h)anthracene
Concen: 4.30 ng
RT: 25.74 min Scan# 3818
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Tgt Ion:278 Resp: 272468

Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.4	23.0
279	23.7	18.8	28.2





#37
Benzo(g,h,i)perylene
Concen: 4.72 ng
RT: 26.44 min Scan# 3972
Delta R.T. -0.01 min
Lab File: BE090733.D
Acq: 4 Sep 2015 17:14

Instrument :
BNA_E
ClientSampleId :
PB85414BSD

Tgt Ion:276 Resp: 283334

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	26.2	20.1	30.1