Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070915\
Data File : BE090078.D
Acq On : 9 Jul 2015 18:07
Operator : TP/IZ
Sample : G2810-24DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : X1SS0730006-150625DL

Quant Time: Jul 10 11:44:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	15007	5.00	ng		0.00
6) Naphthalene-d8	10.37	136	70929	5.00	ng		-0.01
12) Acenaphthene-d10	14.23	164	39906	5.00	ng		0.00
18) Phenanthrene-d10	16.96	188	88266	5.00	ng		-0.02
25) Chrysene-d12	21.12	240	98565	5.00	ng		-0.01
32) Perylene-d12	23.44	264	89195	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	5770	1.67	ng		0.00
5) Phenol-d6	6.80	99	11547	2.39	ng		0.00
7) Nitrobenzene-d5	8.75	82	6269	1.11	ng		0.00
13) 2,4,6-Tribromophenol	15.73	330	2552	2.18	ng		0.00
14) 2-Fluorobiphenyl	12.85	172	16741	1.40	ng		-0.01
27) Terphenyl-d14	19.58	244	24524	1.49	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.41	128	840	0.05	ng	#	80
11) 2-Methylnaphthalene	12.04	142	528	0.05	ng	#	90
16) Acenaphthene	14.28	154	1104	0.11	ng		96
17) Fluorene	15.27	166	1493	0.11	ng		91
22) Phenanthrene	17.00	178	45954	2.03	ng		100
23) Anthracene	17.10	178	10829m	0.52	ng		
24) Fluoranthene	19.00	202	93602	3.71	ng		100
26) Pyrene	19.36	202	79307	3.38	ng		98
28) Benzo(a)anthracene	21.10	228	46287	1.88	ng		99
29) Chrysene	21.15	228	48391	1.89	ng		98
31) Indeno(1,2,3-cd)pyrene	25.83	276	18079	0.74	ng		97
33) Benzo(b)fluoranthene	22.73	252	47872	2.43	ng		98
34) Benzo(k)fluoranthene	22.77	252	22120m	1.01	ng		
35) Benzo(a)pyrene	23.33	252	31868	1.75	ng		99
36) Dibenzo(a,h)anthracene	25.85	278	5483	0.29	ng	#	92
37) Benzo(g,h,i)perylene	26.57	276	17399	0.92	ng		96

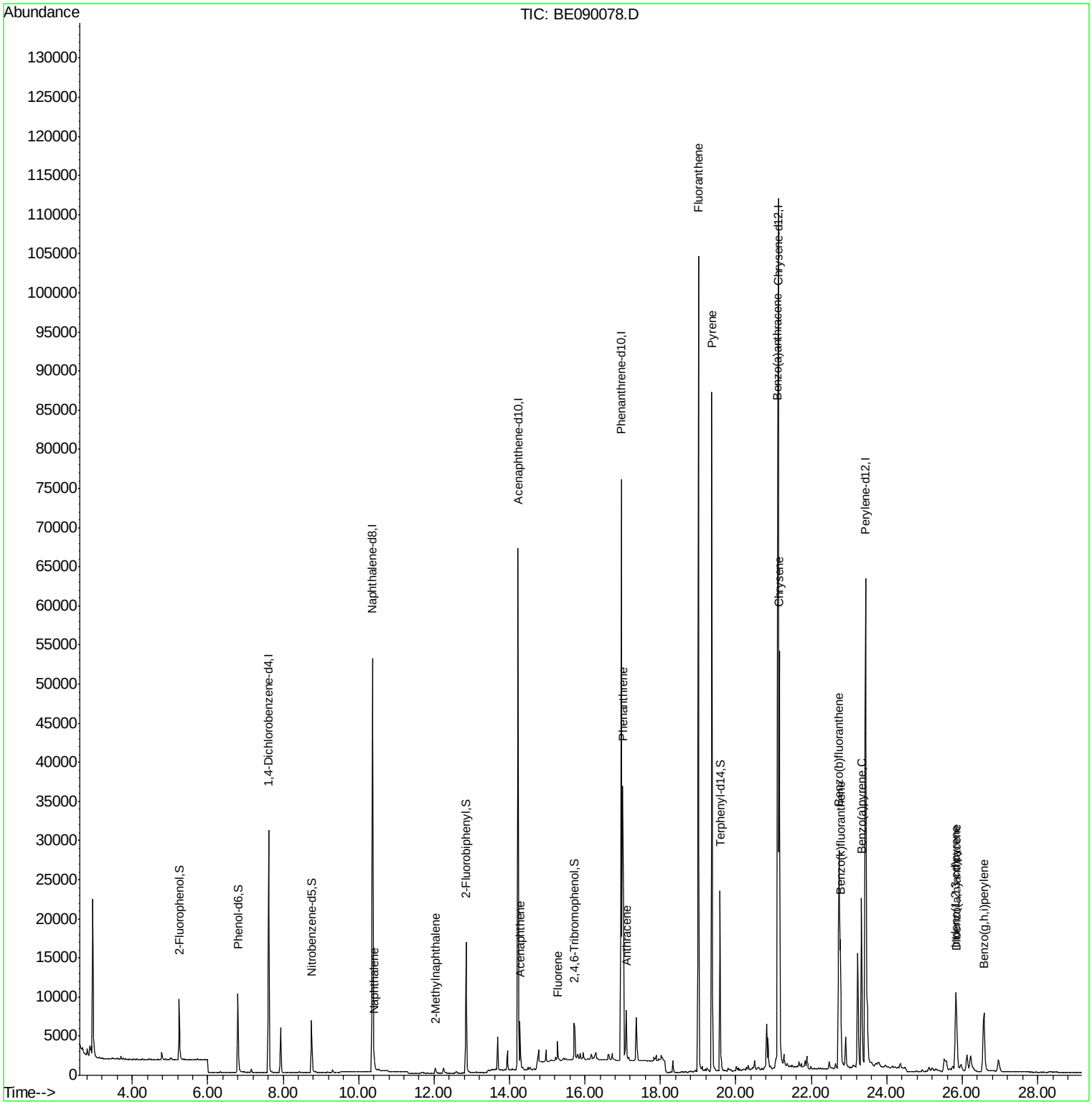
(#) = qualifier out of range (m) = manual integration (+) = signals summed

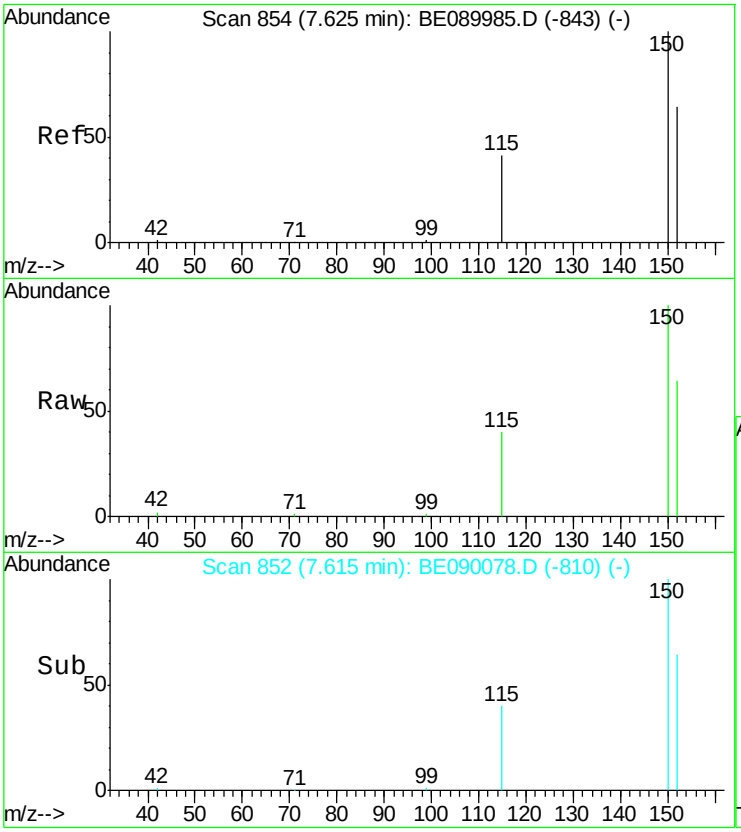
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070915\
Data File : BE090078.D
Acq On : 9 Jul 2015 18:07
Operator : TP/IZ
Sample : G2810-24DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Quant Time: Jul 10 11:44:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration



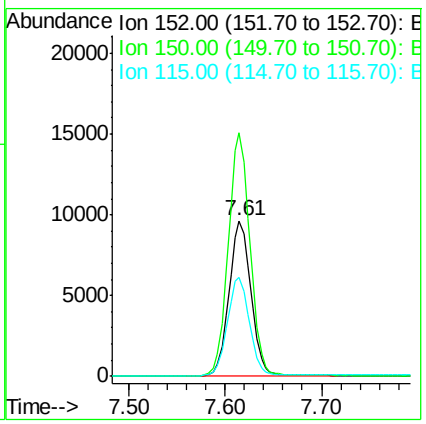


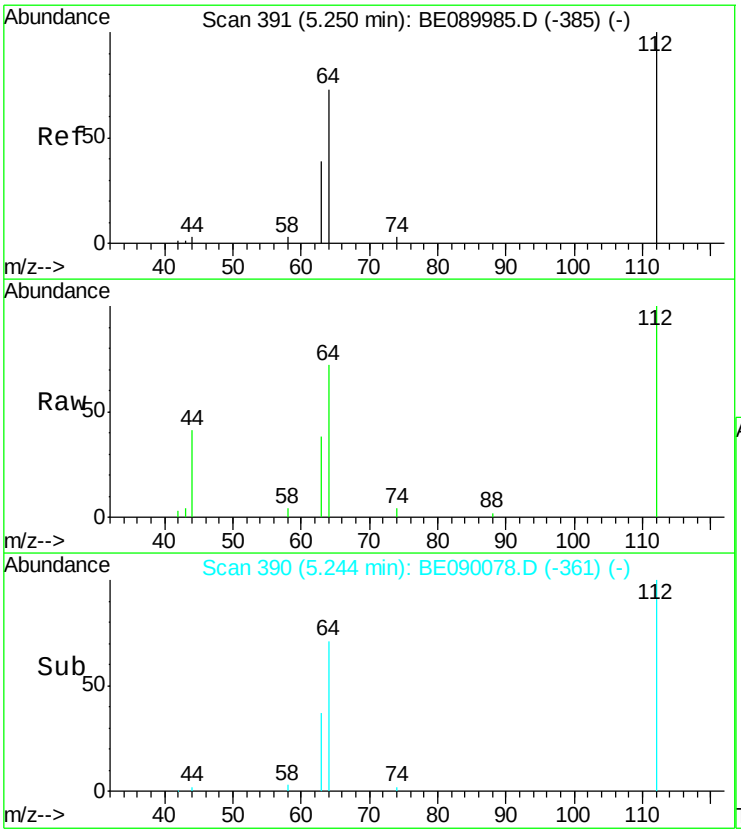
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:152 Resp: 15007

Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.9	185.9
115	63.4	50.6	76.0

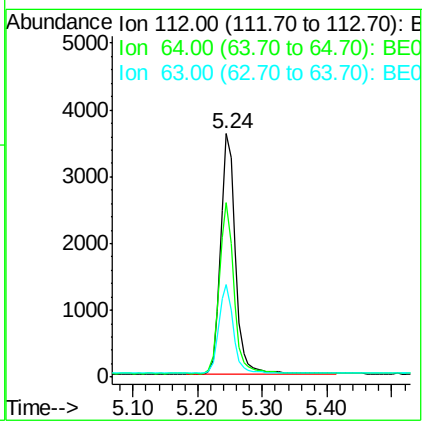


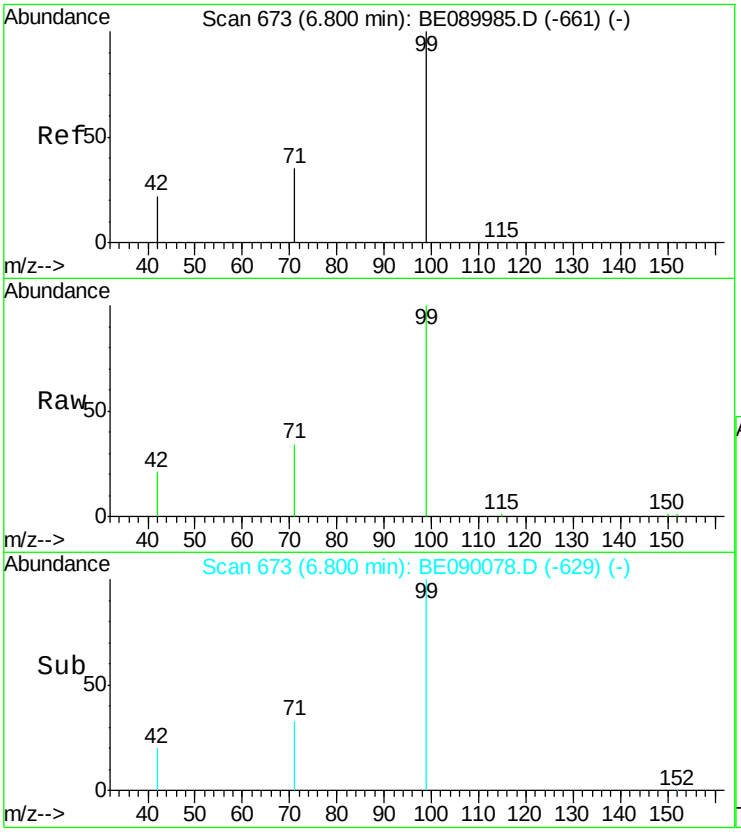


#4
2-Fluorophenol
Concen: 1.67 ng
RT: 5.24 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:112 Resp: 5770

Ion	Ratio	Lower	Upper
112	100		
64	70.2	56.3	84.5
63	36.4	29.8	44.6



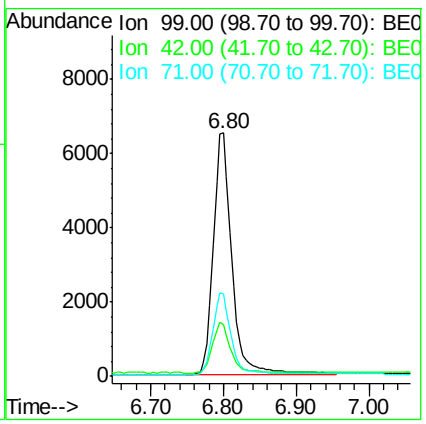


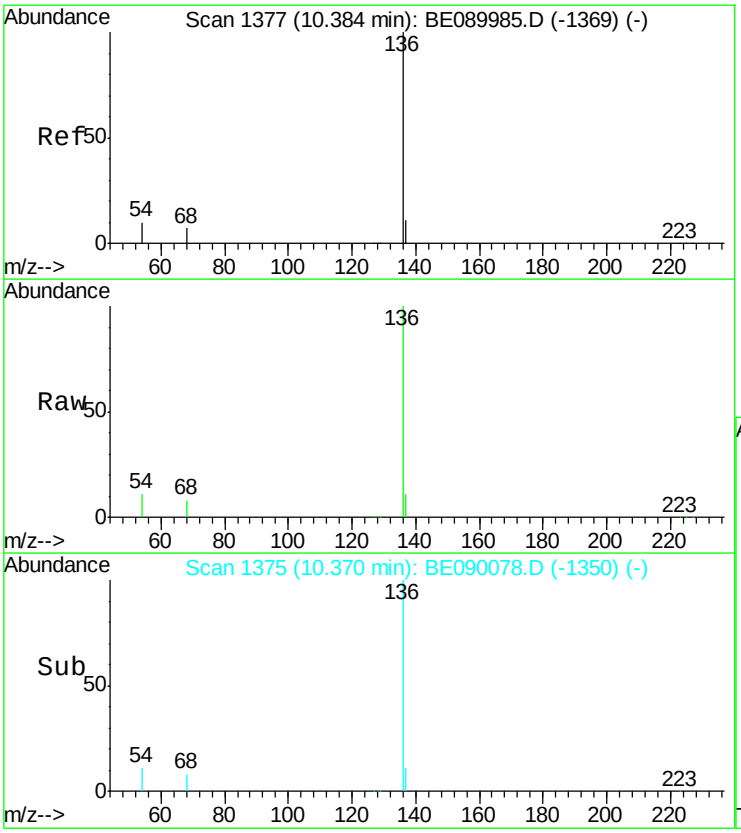
#5
Phenol-d6
Concen: 2.39 ng
RT: 6.80 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion: 99 Resp: 11547

Ion	Ratio	Lower	Upper
99	100		
42	20.3	18.7	28.1
71	32.9	27.5	41.3

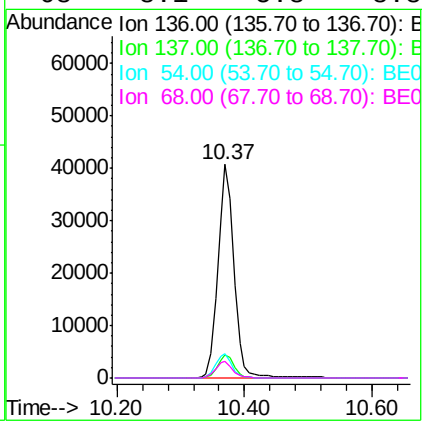


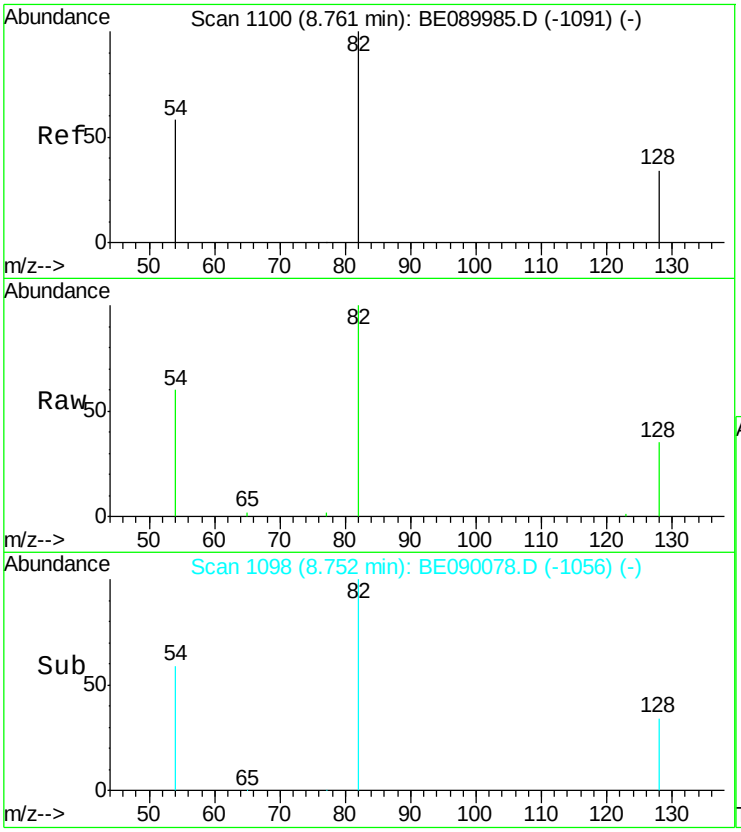


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.37 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:136 Resp: 70929

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	11.2	8.2	12.4
68	8.1	5.8	8.8



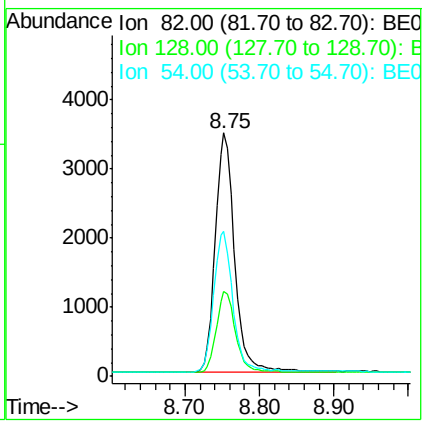


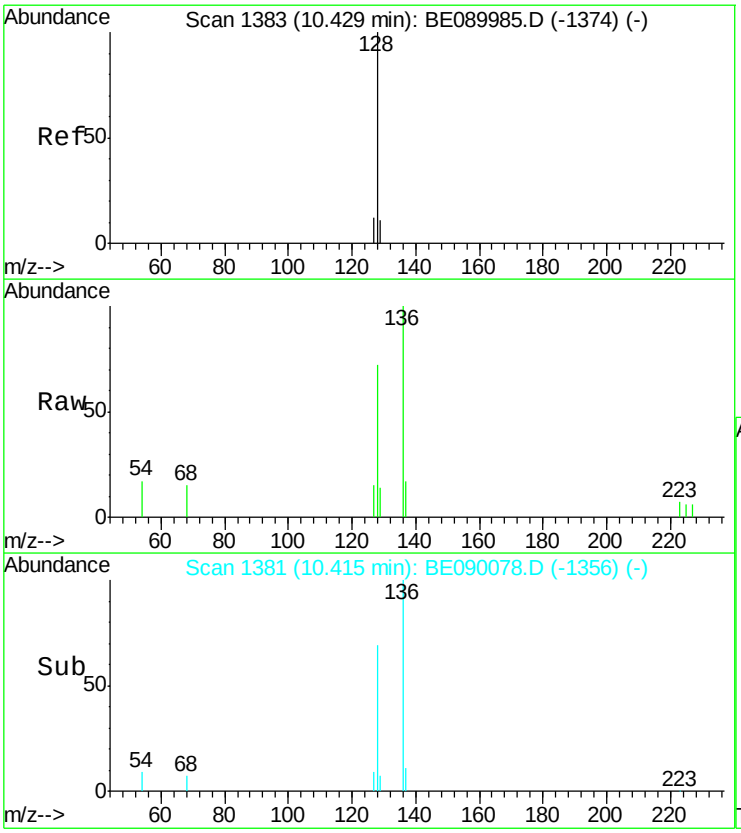
#7
Nitrobenzene-d5
Concen: 1.11 ng
RT: 8.75 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion: 82 Resp: 6269

Ion	Ratio	Lower	Upper
82	100		
128	34.9	28.0	42.0
54	59.7	47.6	71.4

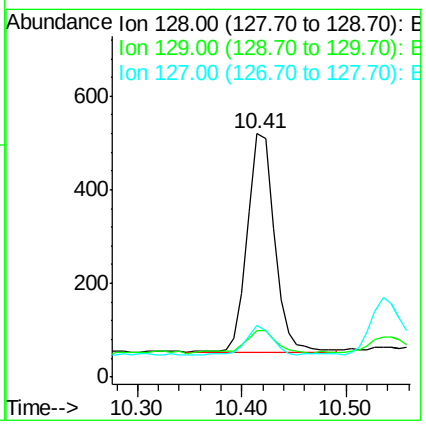


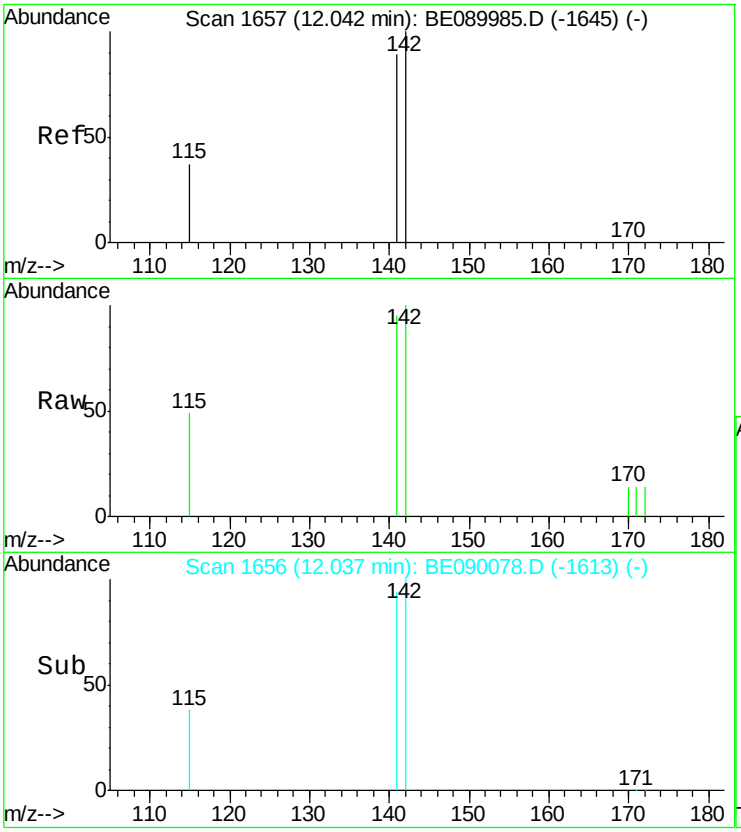


#9
Naphthalene
Concen: 0.05 ng
RT: 10.41 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:128 Resp: 840

Ion	Ratio	Lower	Upper
128	100		
129	18.8	9.3	13.9#
127	21.2	10.2	15.4#



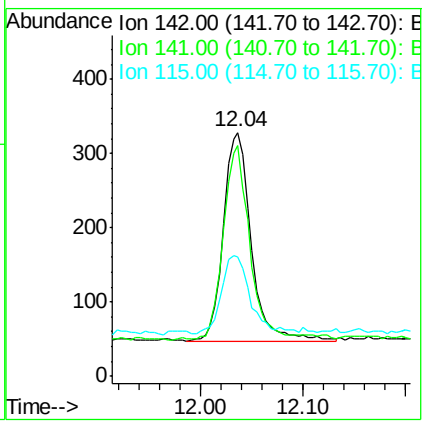


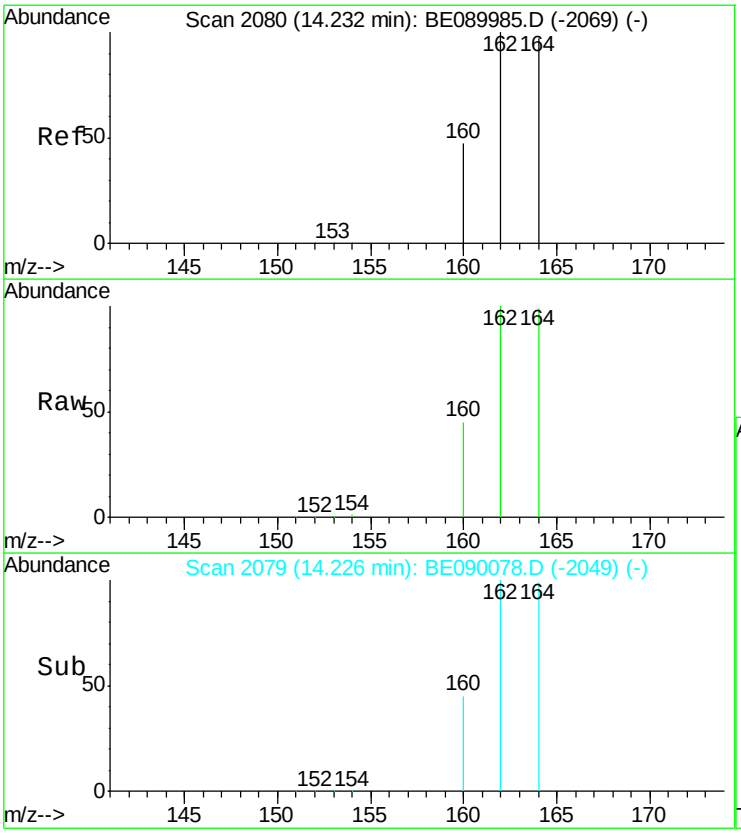
#11
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.04 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:142 Resp: 528

Ion	Ratio	Lower	Upper
142	100		
141	94.5	71.3	106.9
115	49.1	30.4	45.6#

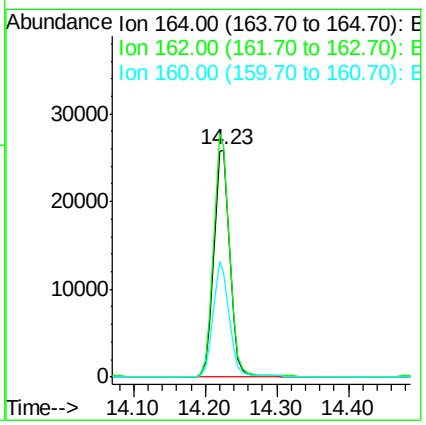


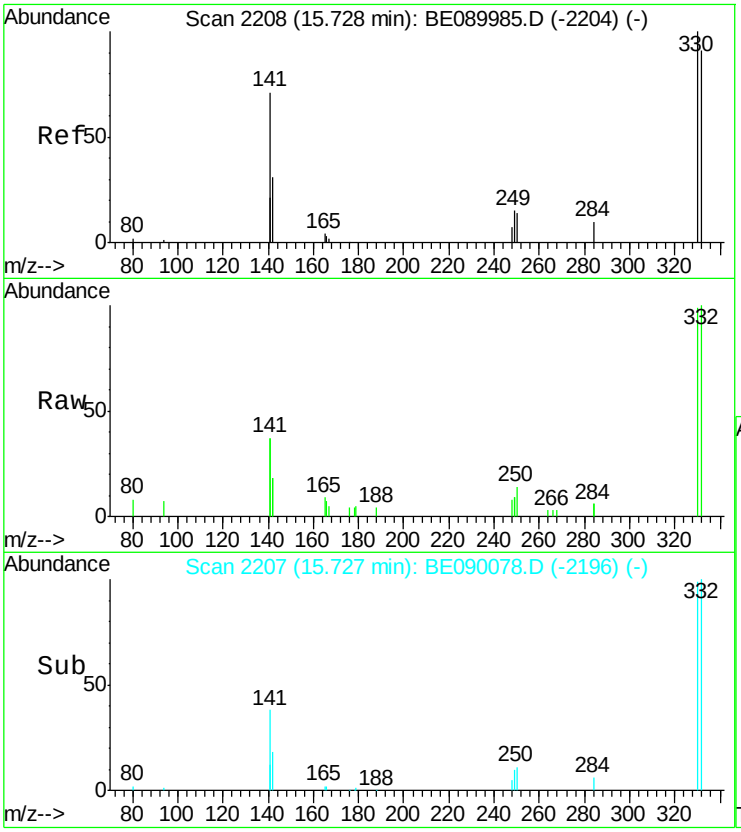


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:164 Resp: 39906

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.2	123.4
160	46.1	39.0	58.6



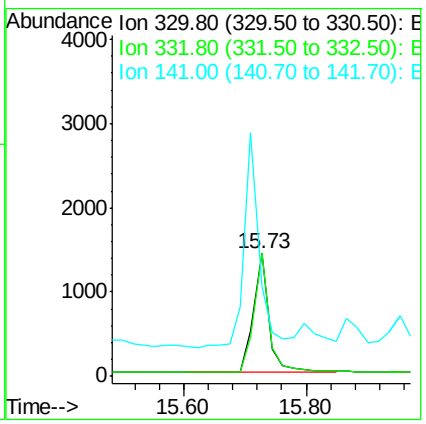


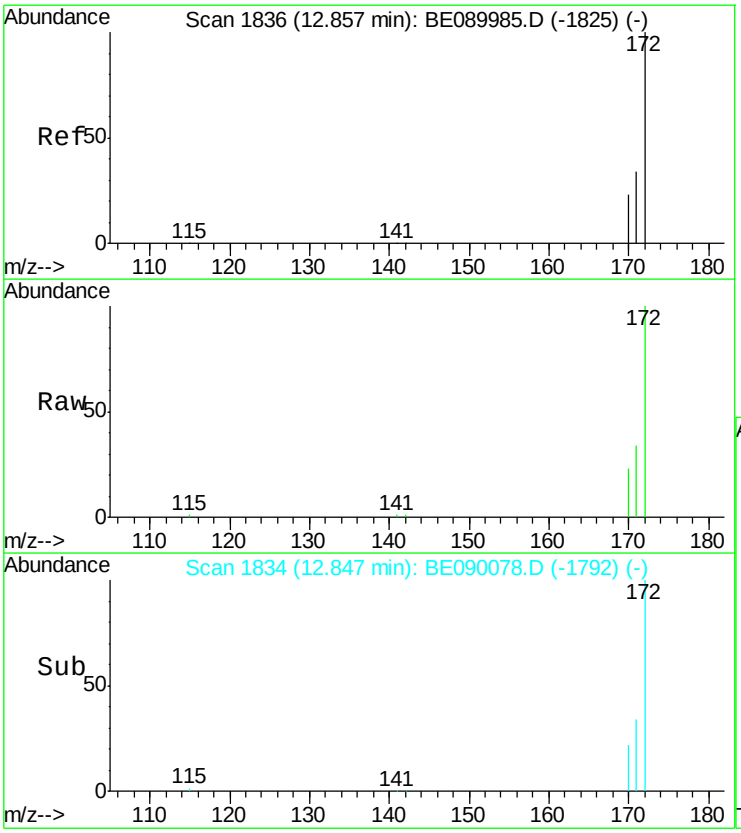
#13
2,4,6-Tribromophenol
Concen: 2.18 ng
RT: 15.73 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:330 Resp: 2552

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.4	114.6
141	169.7	130.3	195.5

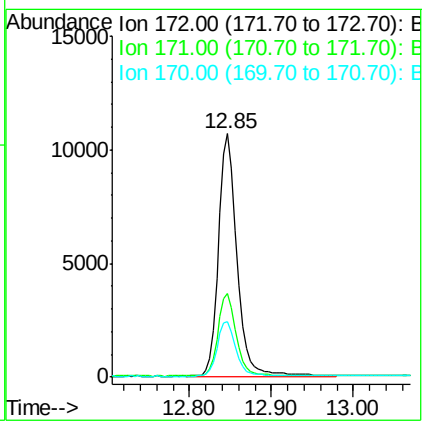


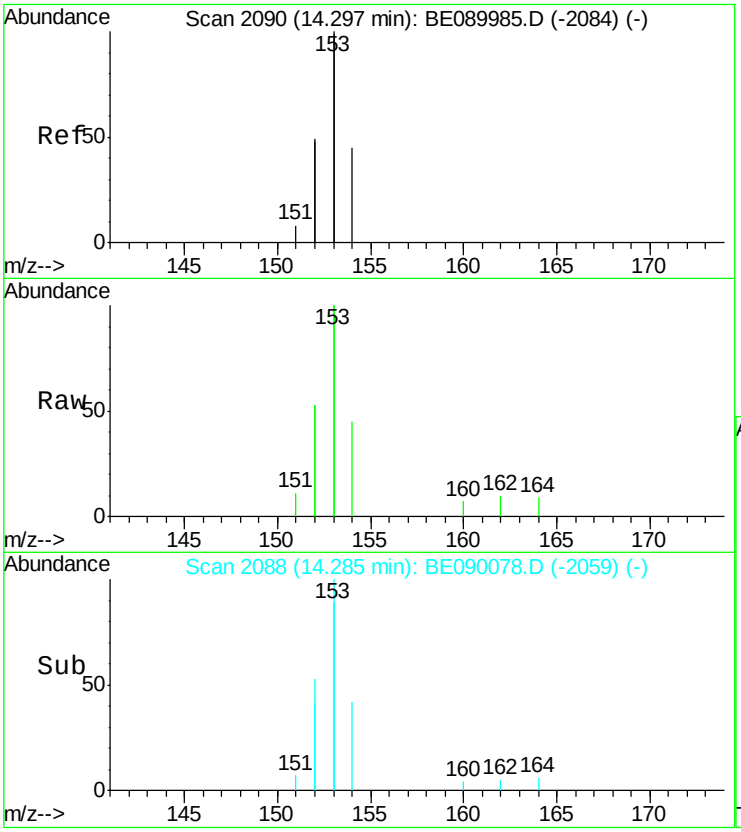


#14
2-Fluorobiphenyl
Concen: 1.40 ng
RT: 12.85 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:172 Resp: 16741

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.8	41.6
170	22.7	18.3	27.5



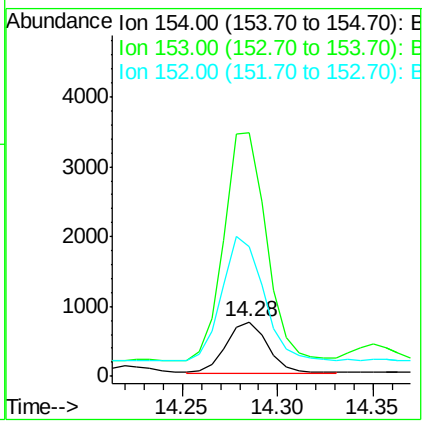


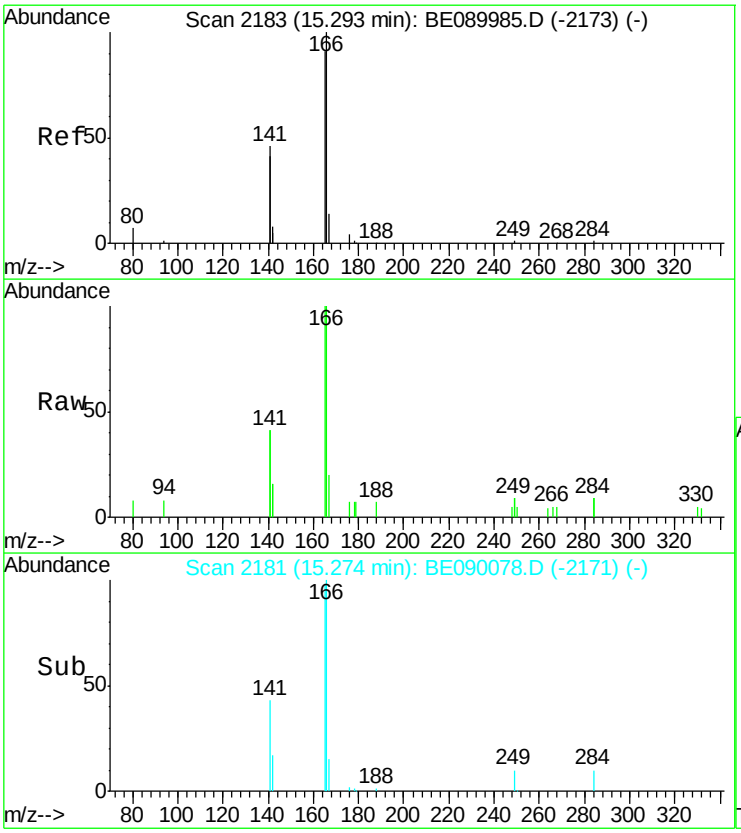
#16
Acenaphthene
Concen: 0.11 ng
RT: 14.28 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:154 Resp: 1104

Ion	Ratio	Lower	Upper
154	100		
153	457.8	358.6	538.0
152	244.2	189.6	284.4

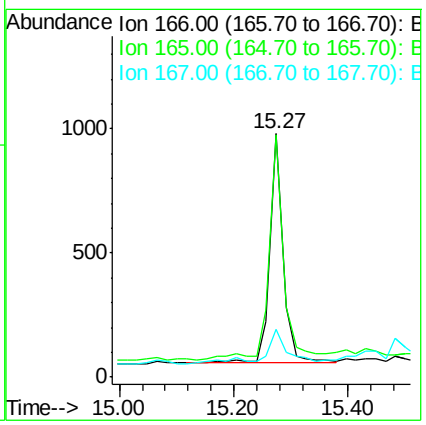


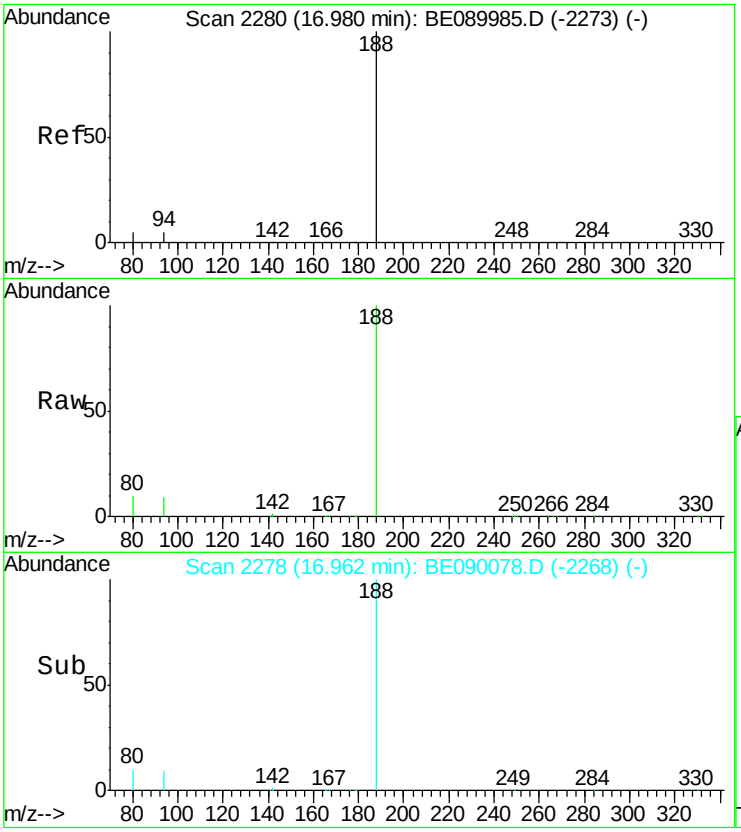


#17
Fluorene
Concen: 0.11 ng
RT: 15.27 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:166 Resp: 1493

Ion	Ratio	Lower	Upper
166	100		
165	108.6	79.0	118.6
167	17.3	11.8	17.8



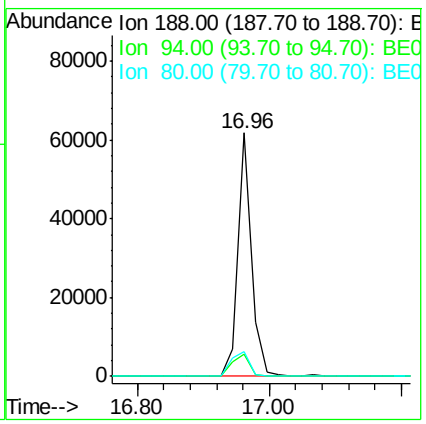


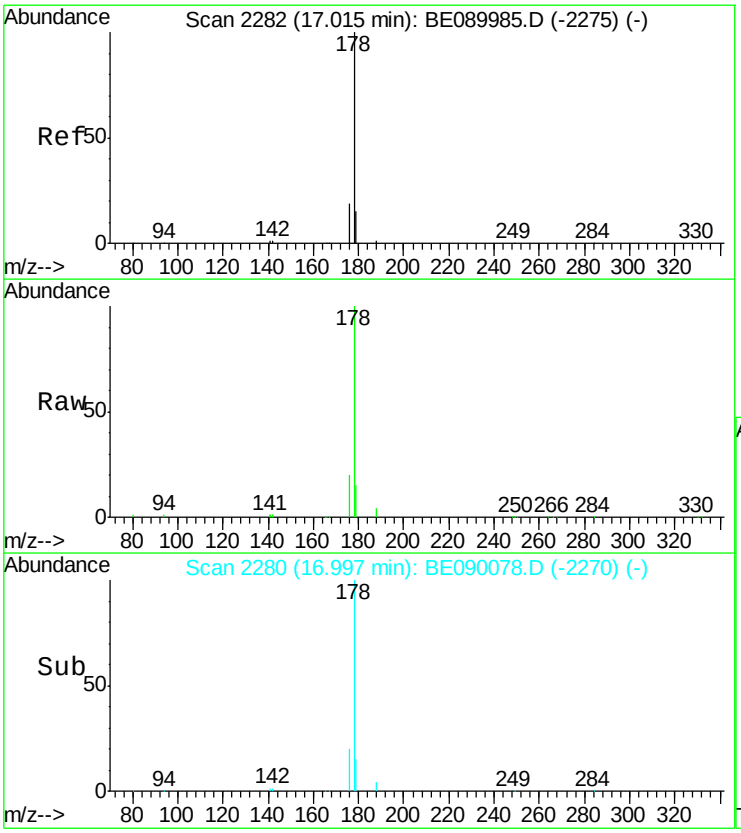
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:188 Resp: 88266

Ion	Ratio	Lower	Upper
188	100		
94	9.4	4.1	6.1#
80	10.1	4.2	6.2#

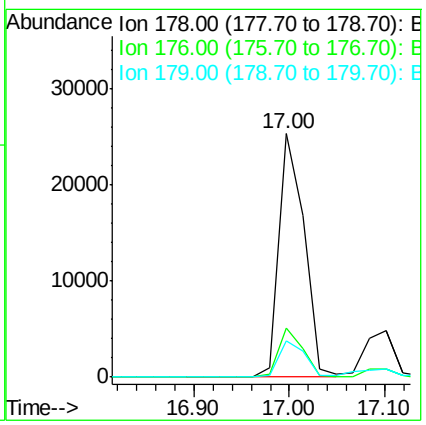


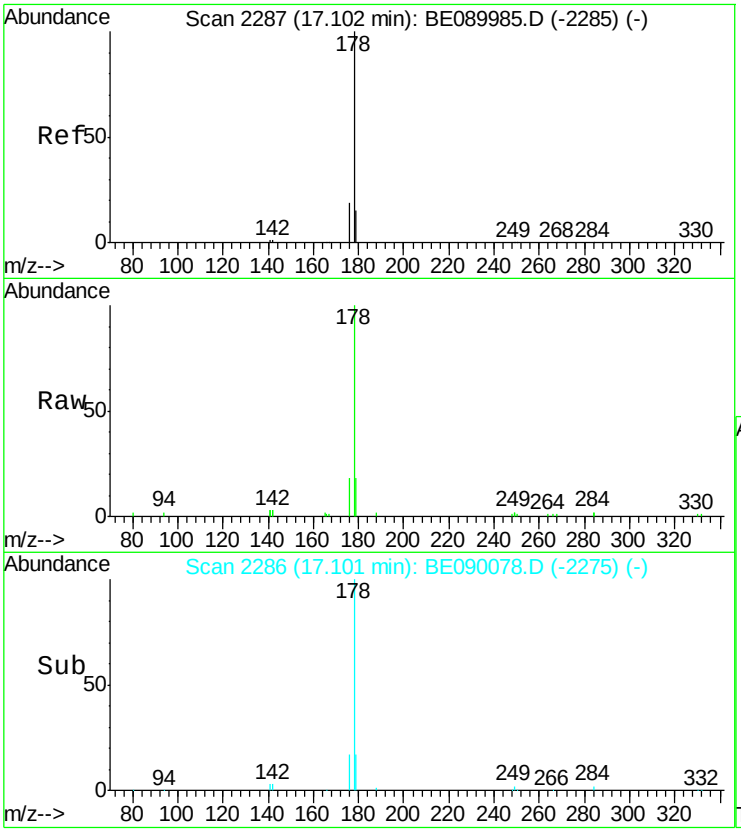


#22
Phenanthrene
Concen: 2.03 ng
RT: 17.00 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:178 Resp: 45954

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.4	18.6



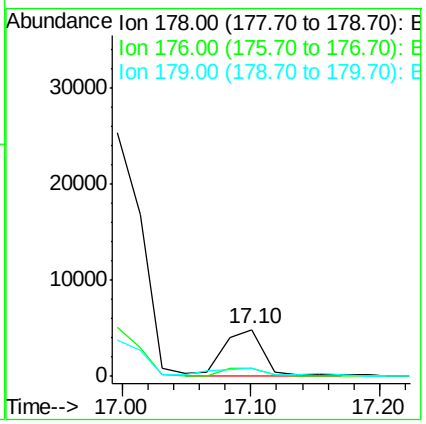


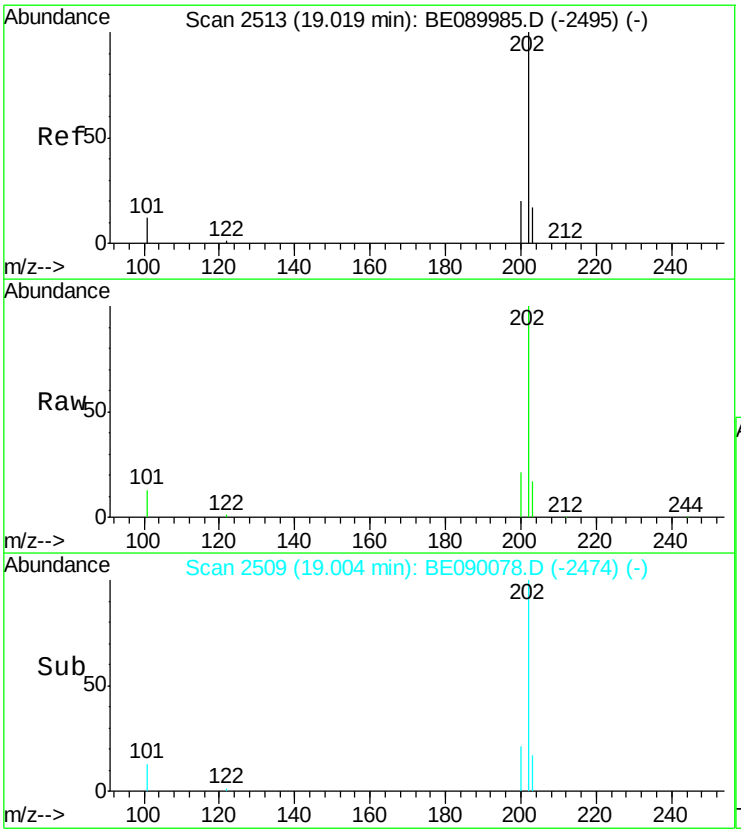
#23
Anthracene
Concen: 0.52 ng m
RT: 17.10 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:178 Resp: 10829

Ion	Ratio	Lower	Upper
178	100		
176	81.0	14.7	22.1#
179	65.8	12.1	18.1#

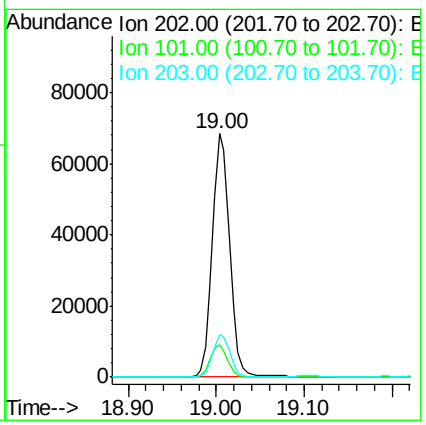


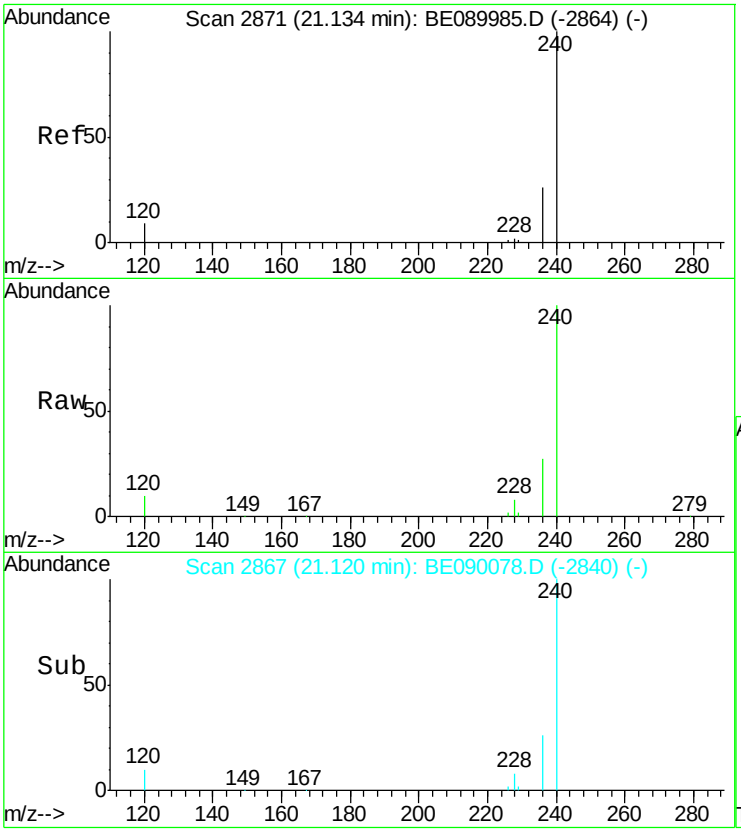


#24
Fluoranthene
Concen: 3.71 ng
RT: 19.00 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:202 Resp: 93602

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.6	15.8
203	17.1	13.8	20.6



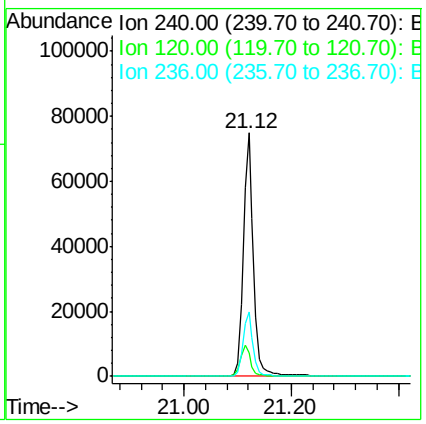


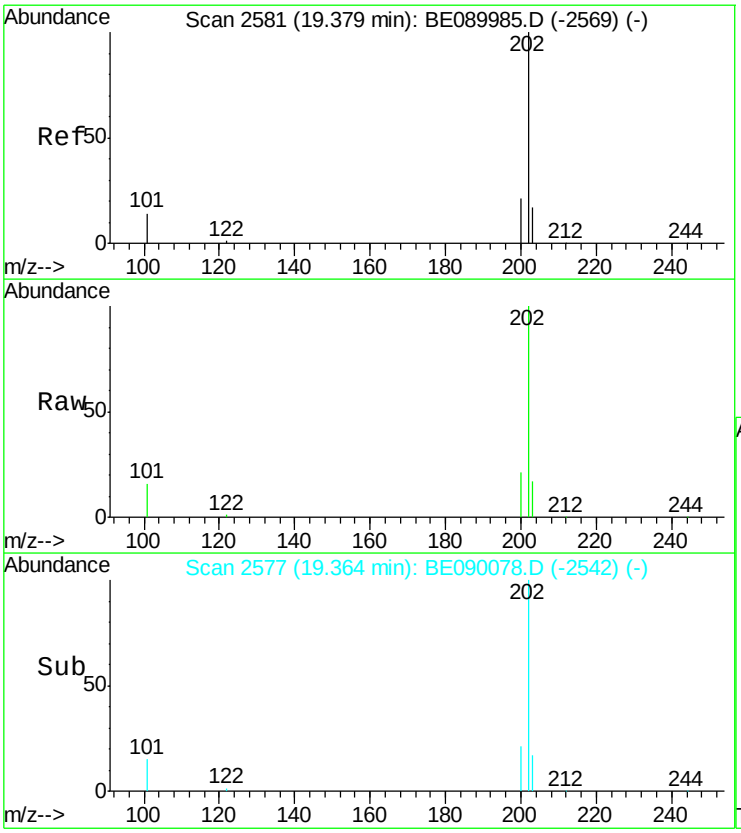
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2867
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:240 Resp: 98565

Ion	Ratio	Lower	Upper
240	100		
120	9.7	6.9	10.3
236	26.6	20.8	31.2

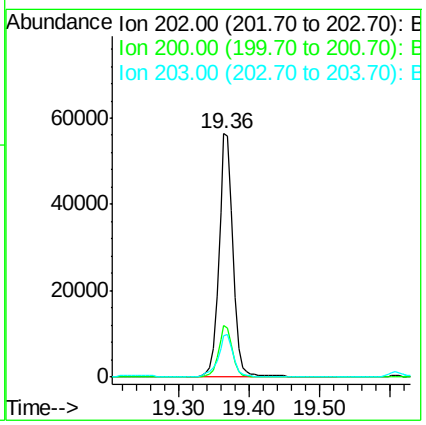


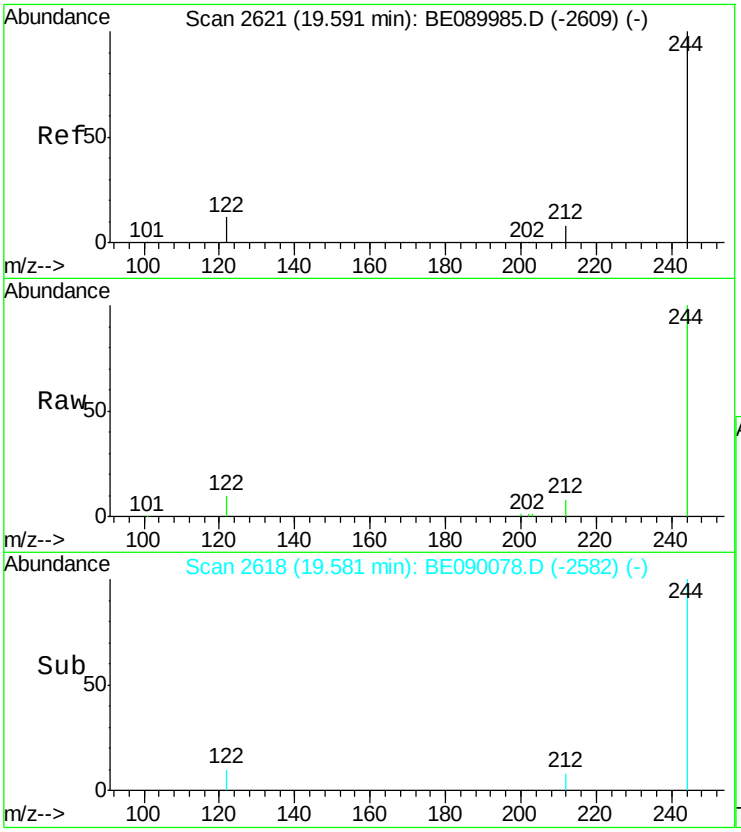


#26
Pyrene
Concen: 3.38 ng
RT: 19.36 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:202 Resp: 79307

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.8	13.9	20.9



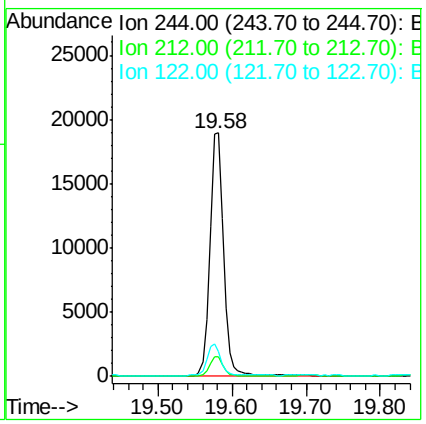


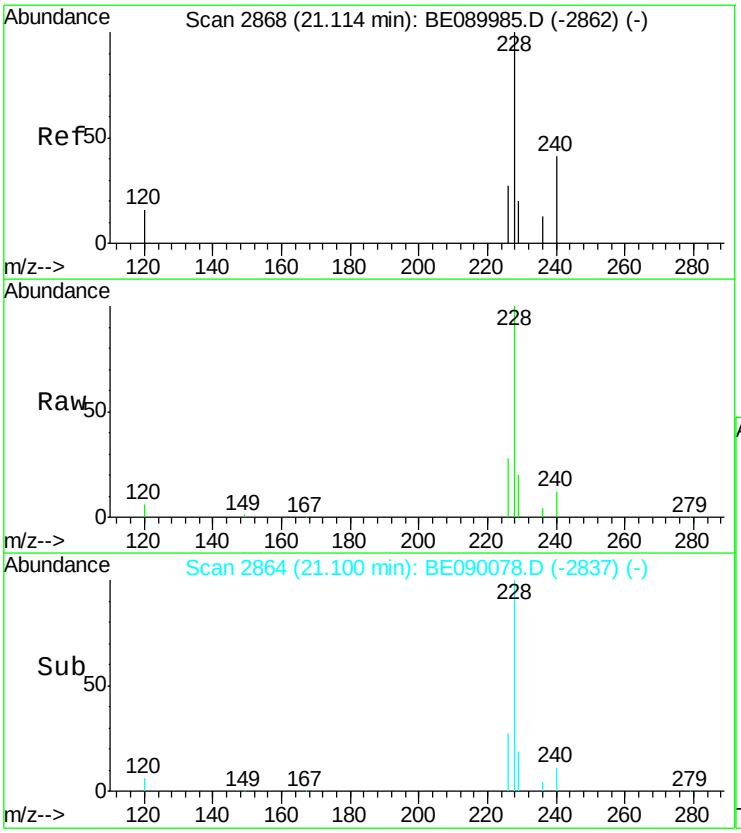
#27
Terphenyl-d14
Concen: 1.49 ng
RT: 19.58 min Scan# 2618
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:244 Resp: 24524

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.6	9.8
122	10.3	9.8	14.8

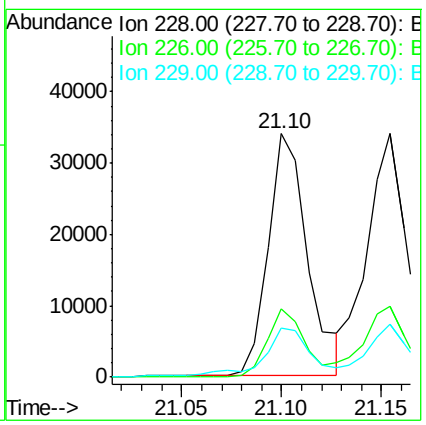


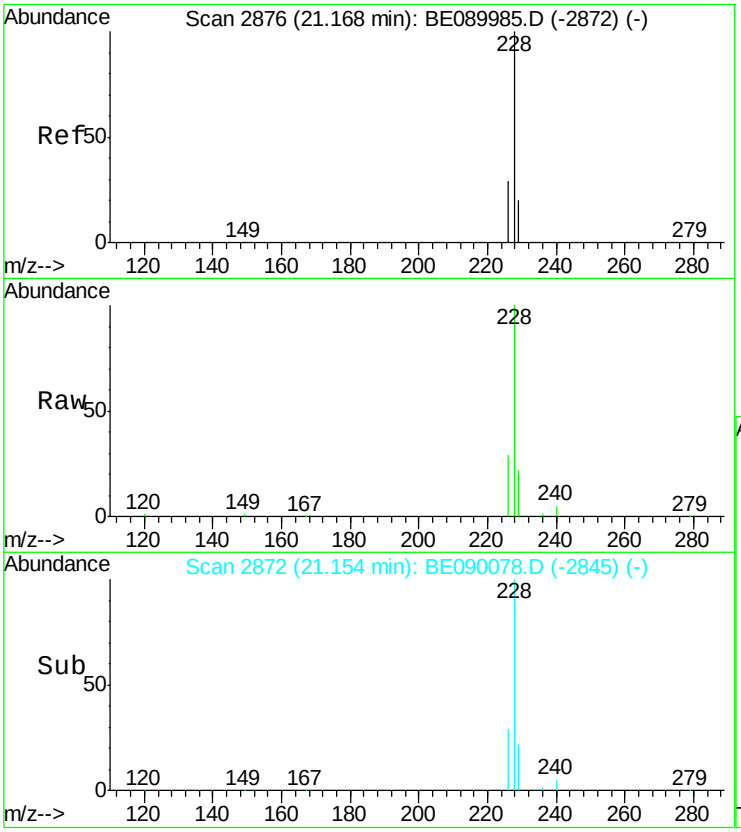


#28
Benzo(a)anthracene
Concen: 1.88 ng
RT: 21.10 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:228 Resp: 46287

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	19.9	15.8	23.6



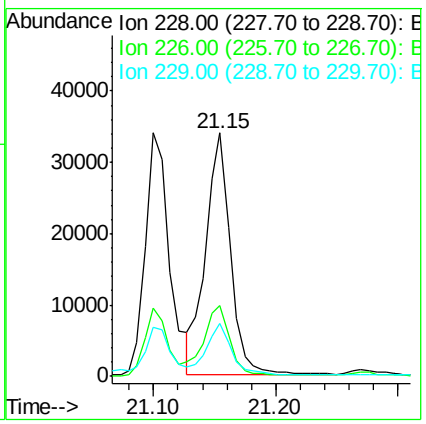


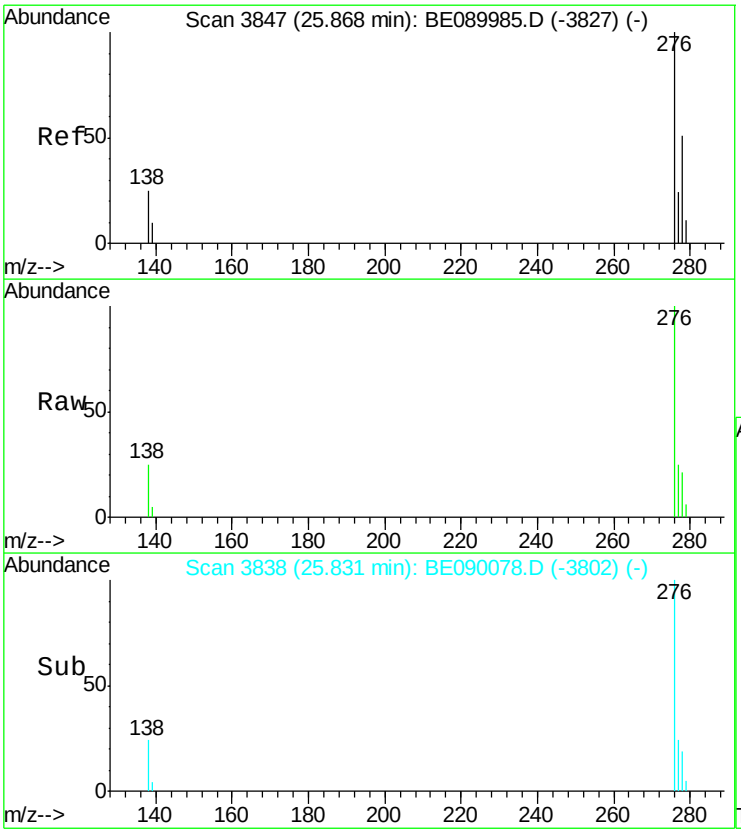
#29
Chrysene
Concen: 1.89 ng
RT: 21.15 min Scan# 2872
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:228 Resp: 48391

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.0
229	21.8	16.2	24.2

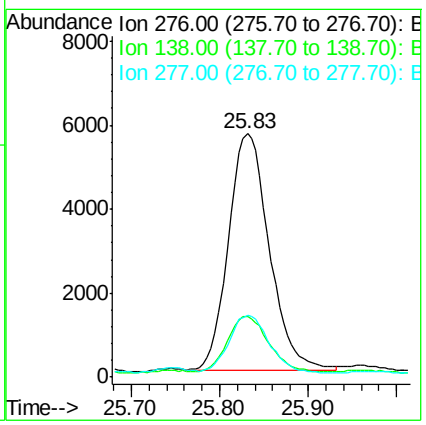


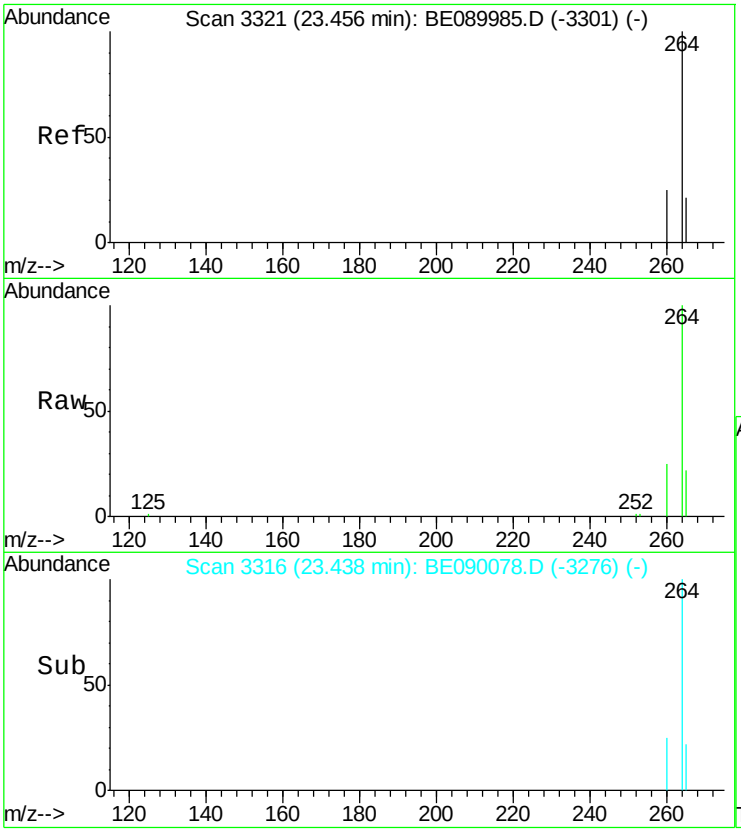


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.74 ng
RT: 25.83 min Scan# 3838
Delta R.T. -0.04 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:276 Resp: 18079

Ion	Ratio	Lower	Upper
276	100		
138	24.6	21.3	31.9
277	24.0	19.7	29.5



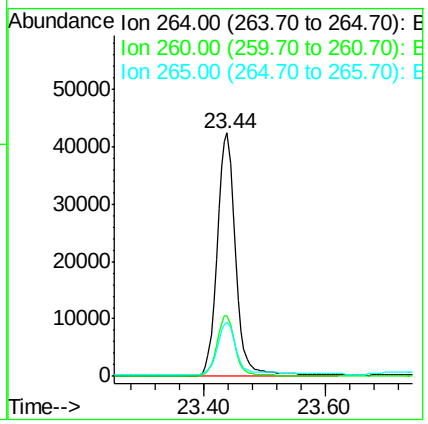


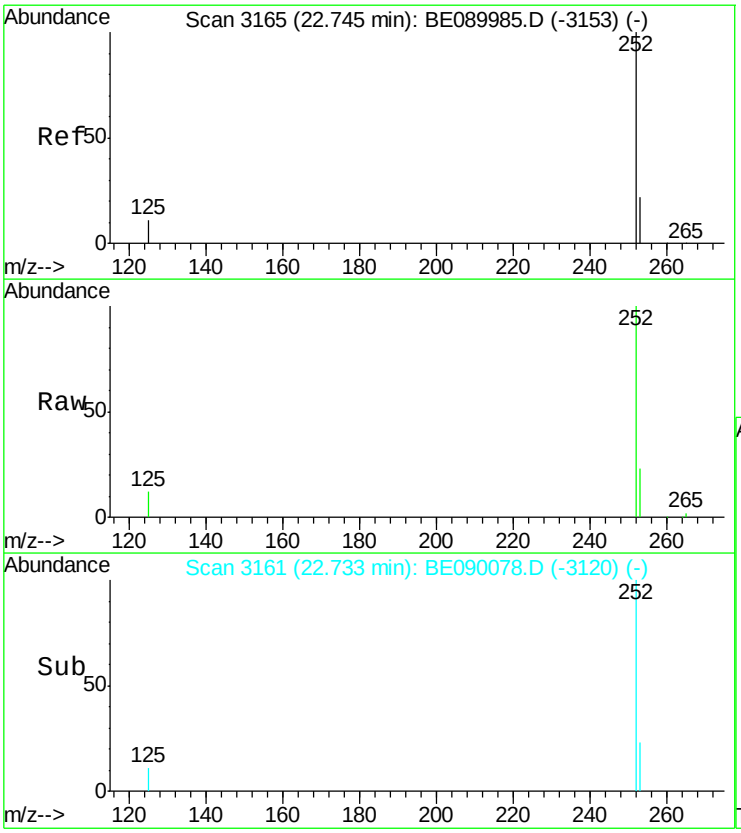
#32
Perylene-d12
Concen: 5.00 ng
RT: 23.44 min Scan# 3316
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:264 Resp: 89195

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	22.4	17.1	25.7

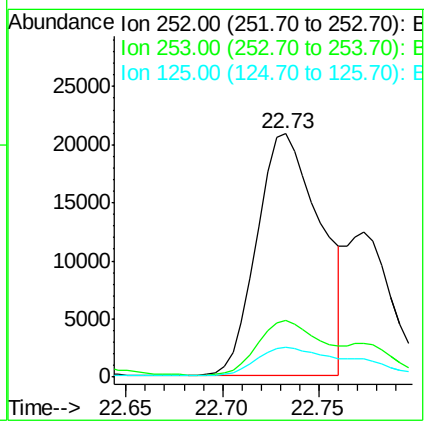


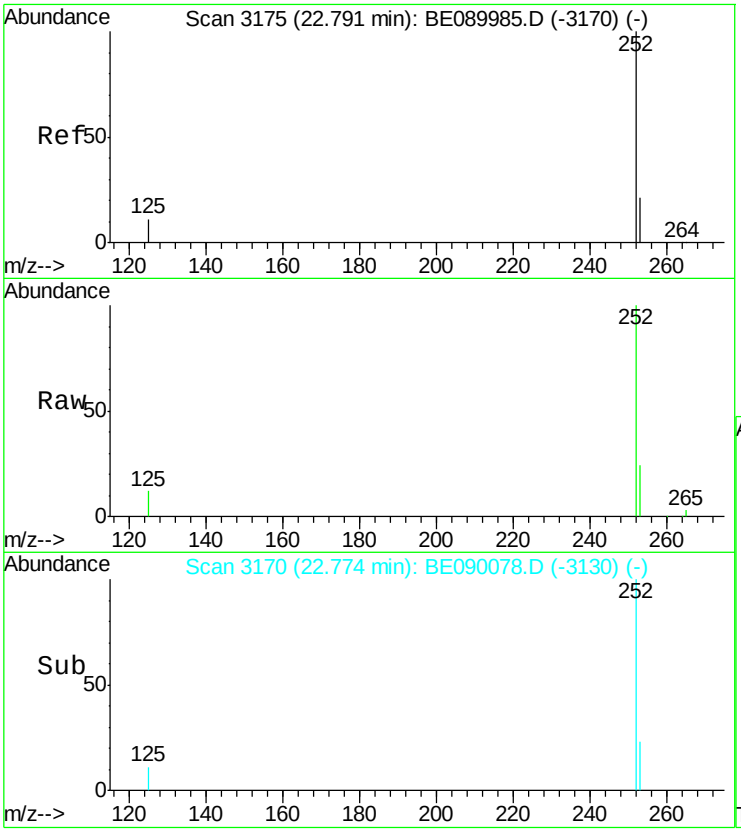


#33
Benzo(b)fluoranthene
Concen: 2.43 ng
RT: 22.73 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:252 Resp: 47872

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	12.0	9.0	13.4



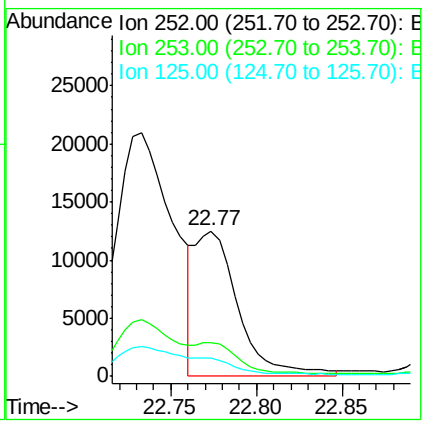


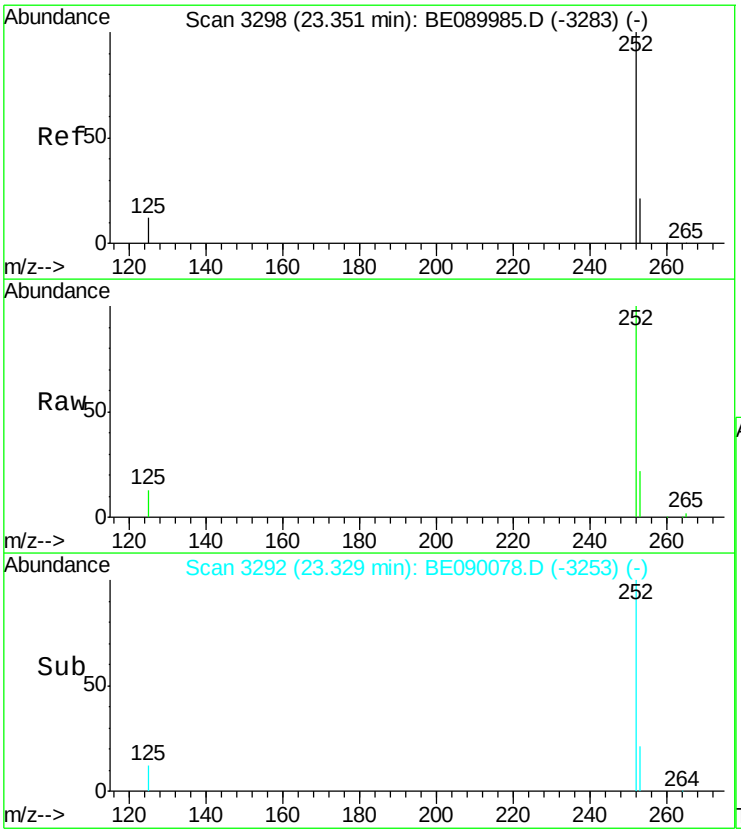
#34
Benzo(k)fluoranthene
Concen: 1.01 ng m
RT: 22.77 min Scan# 3170
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:252 Resp: 22120

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	12.2	9.5	14.3

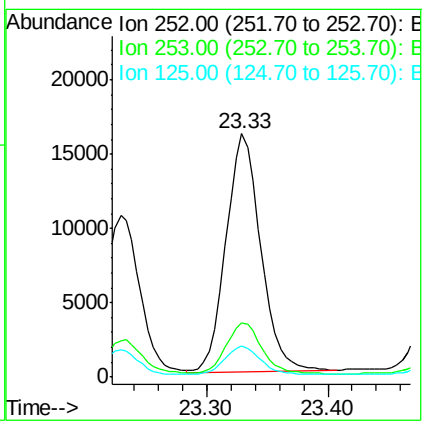


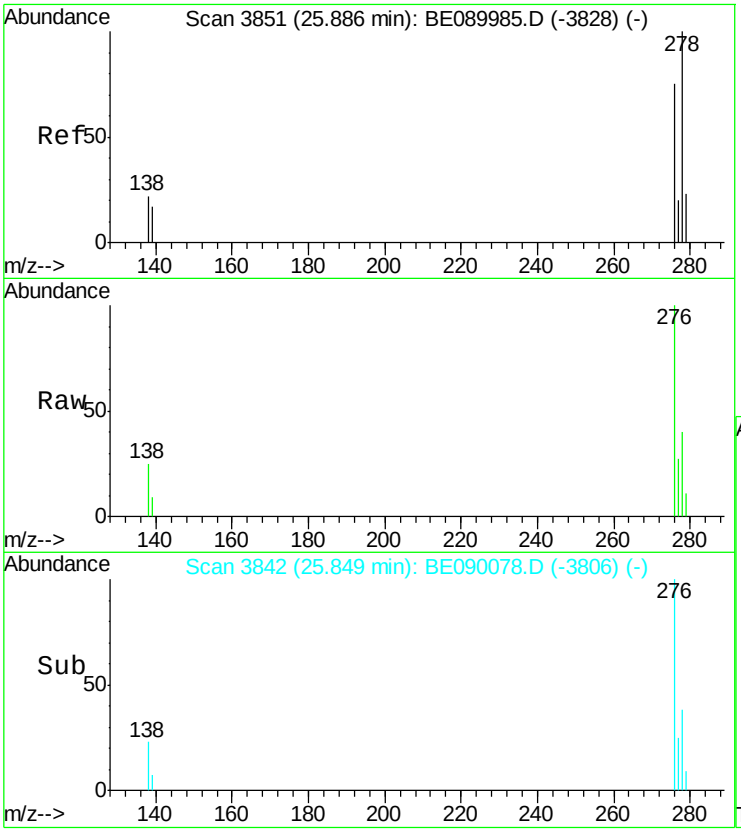


#35
Benzo(a)pyrene
Concen: 1.75 ng
RT: 23.33 min Scan# 3292
Delta R.T. -0.02 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:252 Resp: 31868

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	12.9	10.5	15.7



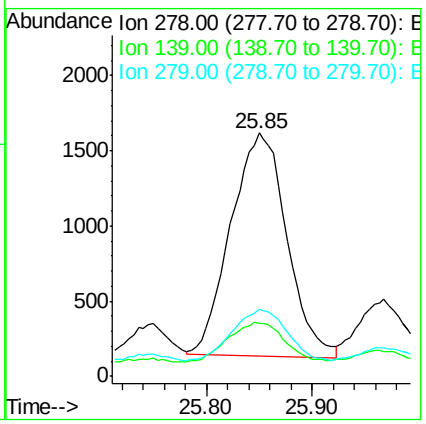


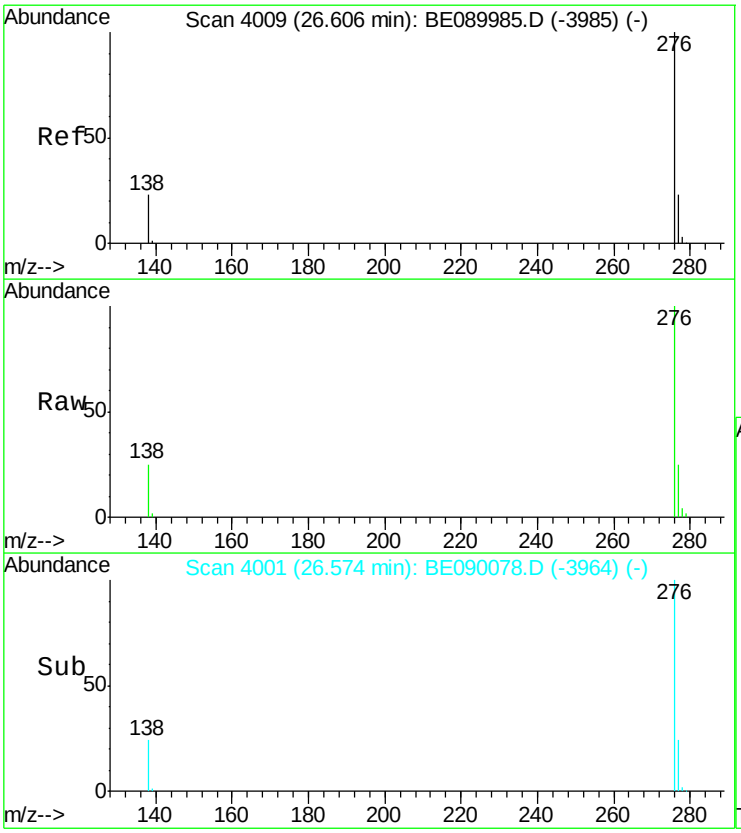
#36
Dibenzo(a,h)anthracene
Concen: 0.29 ng
RT: 25.85 min Scan# 3842
Delta R.T. -0.04 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625DL

Tgt Ion:278 Resp: 5483

Ion	Ratio	Lower	Upper
278	100		
139	21.8	14.4	21.6#
279	27.7	19.0	28.6





#37
Benzo(g,h,i)perylene
Concen: 0.92 ng
RT: 26.57 min Scan# 4001
Delta R.T. -0.03 min
Lab File: BE090078.D
Acq: 9 Jul 2015 18:07

Tgt Ion:276 Resp: 17399

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	25.4	18.6	27.8