Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020416\
Data File : BE091386.D
Acq On : 4 Feb 2016 9:03
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC001

Quant Time: Feb 05 06:32:04 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	52367	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	250136	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	157545	5.00	ng	0.00
14) Phenanthrene-d10	16.09	188	394481	5.00	ng	0.00
18) Chrysene-d12	20.21	240	456040	5.00	ng	0.00
24) Perylene-d12	22.09	264	428033	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.94	112	9675	0.98	ng	0.00
3) Phenol-d6	6.56	99	14603	1.02	ng	0.00
5) Nitrobenzene-d5	8.17	82	11153	0.91	ng	0.00
9) 2,4,6-Tribromophenol	14.90	330	4123	0.85	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	38146	0.93	ng	0.00
20) Terphenyl-d14	18.61	244	66577	0.99	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.59	128	51146	0.91	ng	100
7) 2-Methylnaphthalene	11.13	142	29076	0.93	ng	97
11) Acenaphthylene	13.10	152	209189	0.91	ng	100
12) Acenaphthene	13.42	154	38571	0.89	ng	98
13) Fluorene	14.40	166	51937	0.93	ng	99
15) Phenanthrene	16.12	178	95288	0.92	ng	99
16) Anthracene	16.21	178	81447	0.94	ng	99
17) Fluoranthene	18.10	202	88918	0.92	ng	100
19) Pyrene	18.47	202	94759	0.96	ng	100
21) Benzo(a)anthracene	20.19	228	77811	0.91	ng	99
22) Chrysene	20.25	228	113692	0.95	ng	99
23) Indeno(1,2,3-cd)pyrene	23.70	276	80561	0.91	ng	99
25) Benzo(b)fluoranthene	21.55	252	87757	0.95	ng	100
26) Benzo(k)fluoranthene	21.58	252	93441	0.89	ng	99
27) Benzo(a)pyrene	22.00	252	73664	0.89	ng	99
28) Dibenzo(a,h)anthracene	23.65	278	69026	0.92	ng	100
29) Benzo(g,h,i)perylene	24.25	276	85942	0.93	ng	98

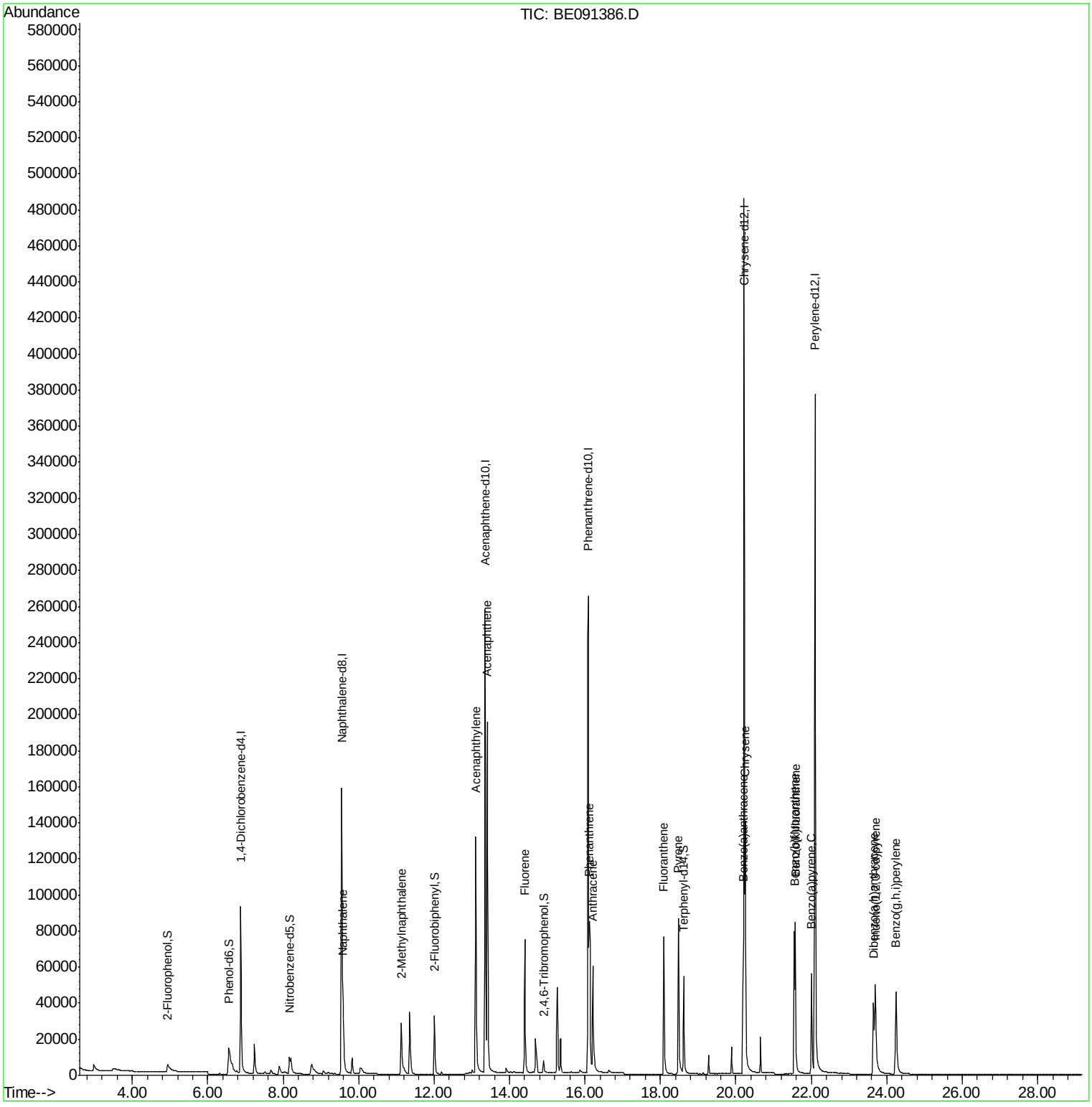
(#) = qualifier out of range (m) = manual integration (+) = signals summed

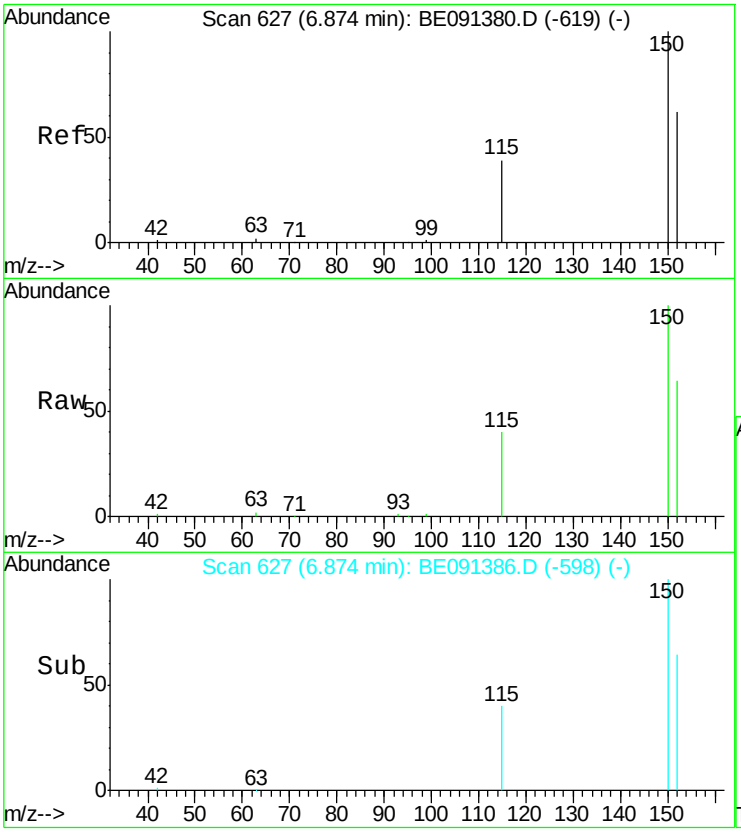
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020416\
Data File : BE091386.D
Acq On : 4 Feb 2016 9:03
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Quant Time: Feb 05 06:32:04 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration



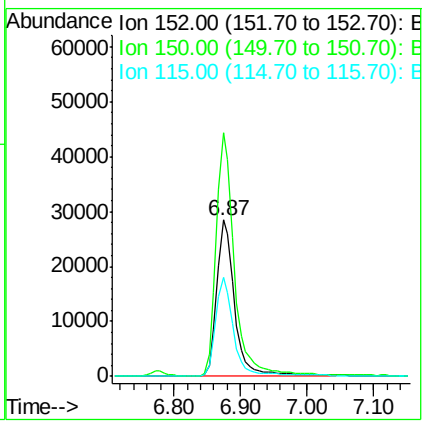


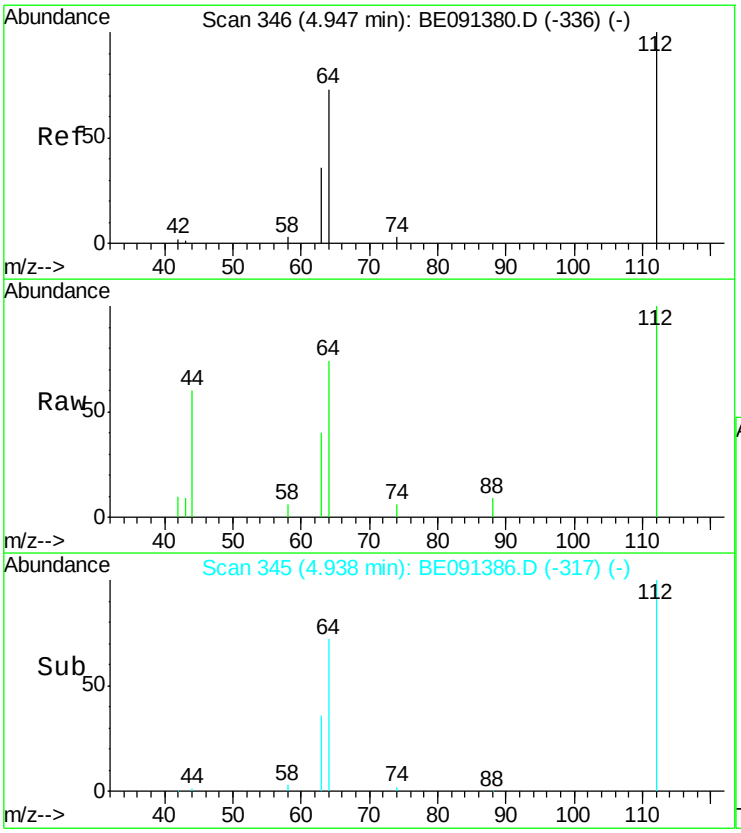
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:152 Resp: 52367

Ion	Ratio	Lower	Upper
152	100		
150	155.9	128.9	193.3
115	63.0	50.9	76.3

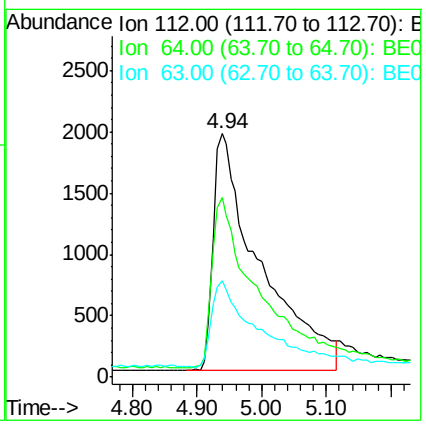


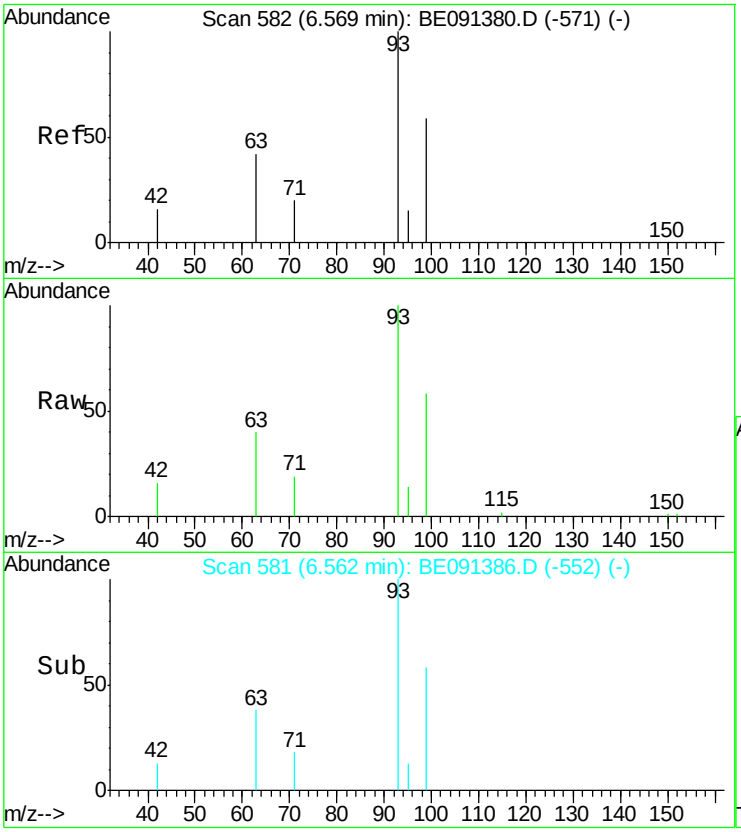


#2
2-Fluorophenol
Concen: 0.98 ng
RT: 4.94 min Scan# 345
Delta R.T. -0.01 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:112 Resp: 9675

Ion	Ratio	Lower	Upper
112	100		
64	73.0	60.5	90.7
63	37.0	29.8	44.8



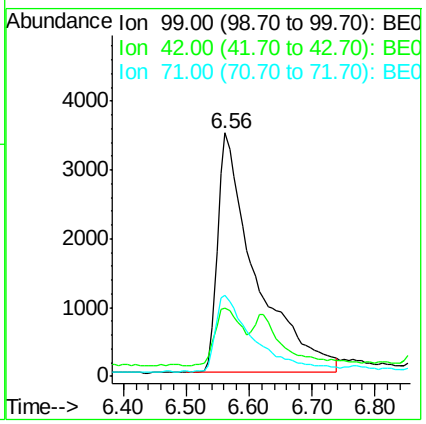


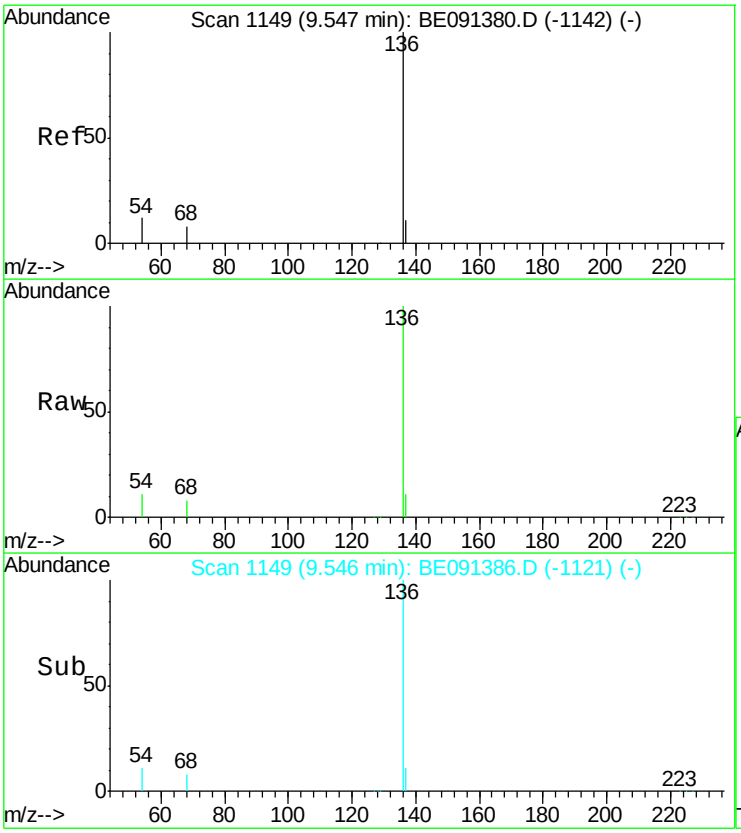
#3
Phenol-d6
Concen: 1.02 ng
RT: 6.56 min Scan# 581
Delta R.T. -0.01 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion: 99 Resp: 14603

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.3	19.9
71	32.3	25.6	38.4

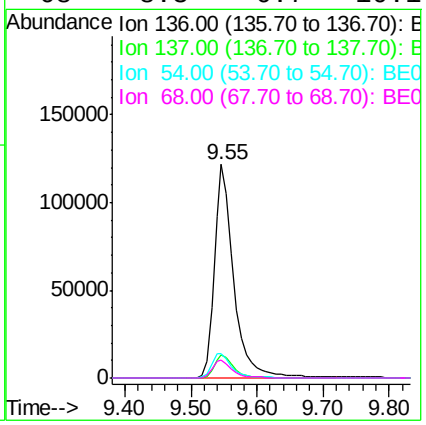


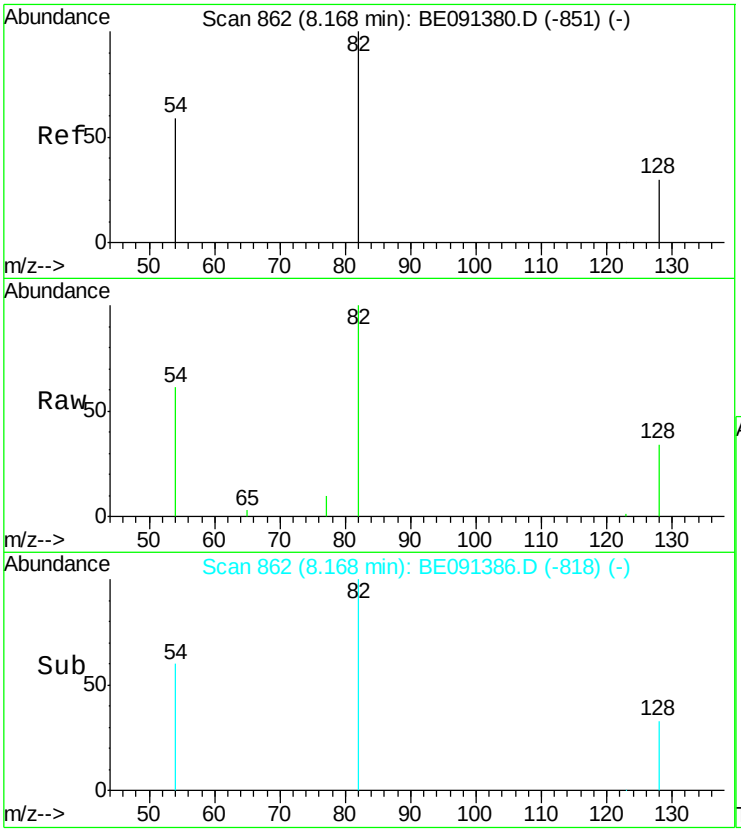


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.55 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:136 Resp: 250136

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.4	9.3	13.9
68	8.3	6.7	10.1



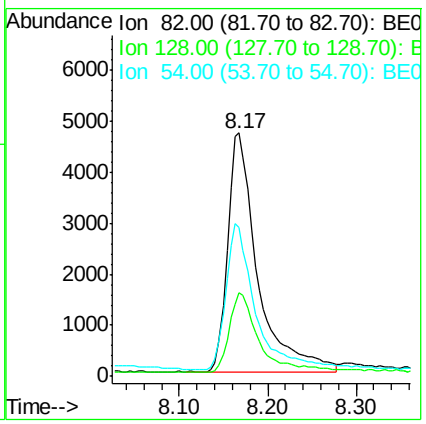


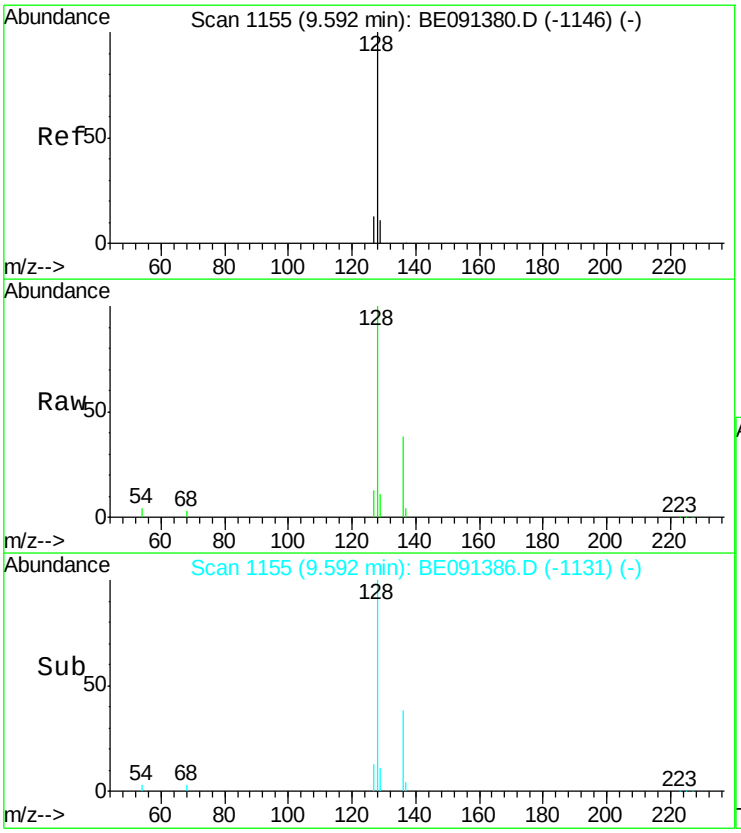
#5
Nitrobenzene-d5
Concen: 0.91 ng
RT: 8.17 min Scan# 862
Delta R.T. -0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion: 82 Resp: 11153

Ion	Ratio	Lower	Upper
82	100		
128	34.2	25.0	37.4
54	61.1	48.1	72.1

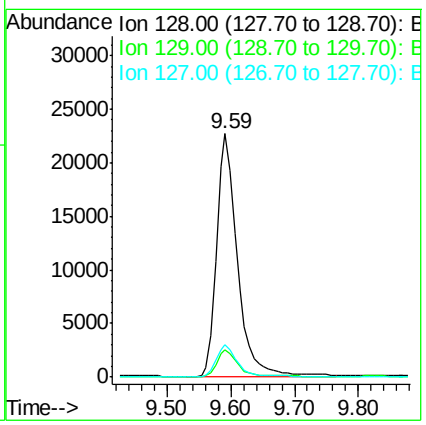


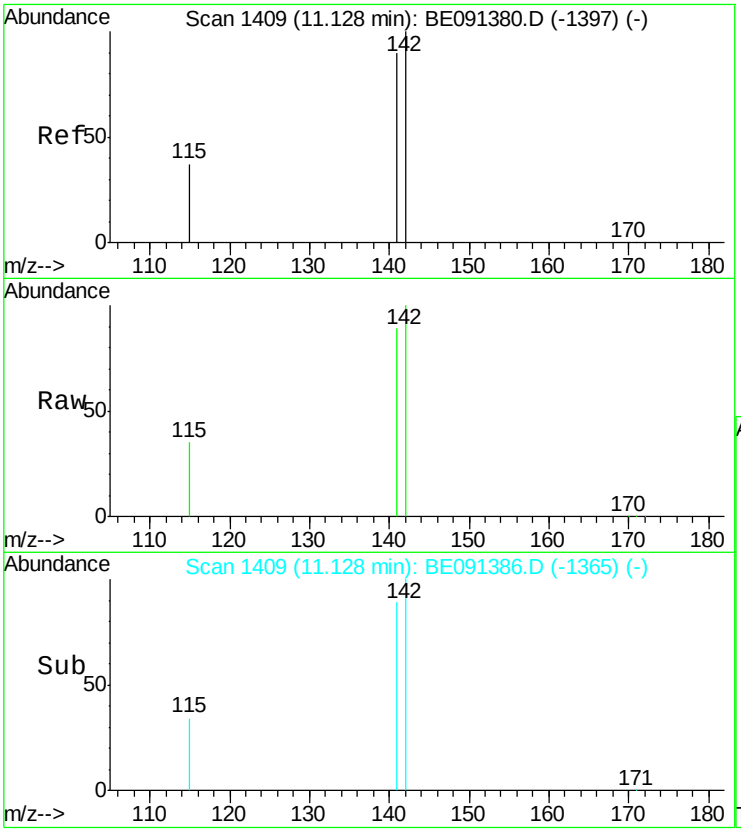


#6
Naphthalene
Concen: 0.91 ng
RT: 9.59 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:128 Resp: 51146

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.2	10.5	15.7



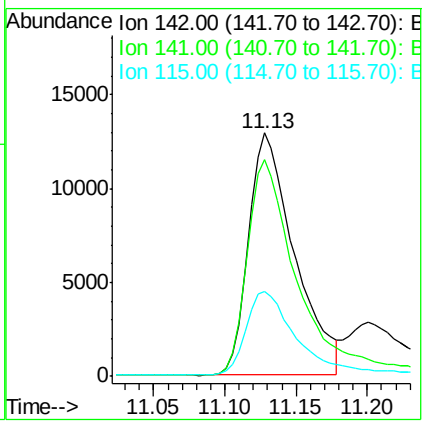


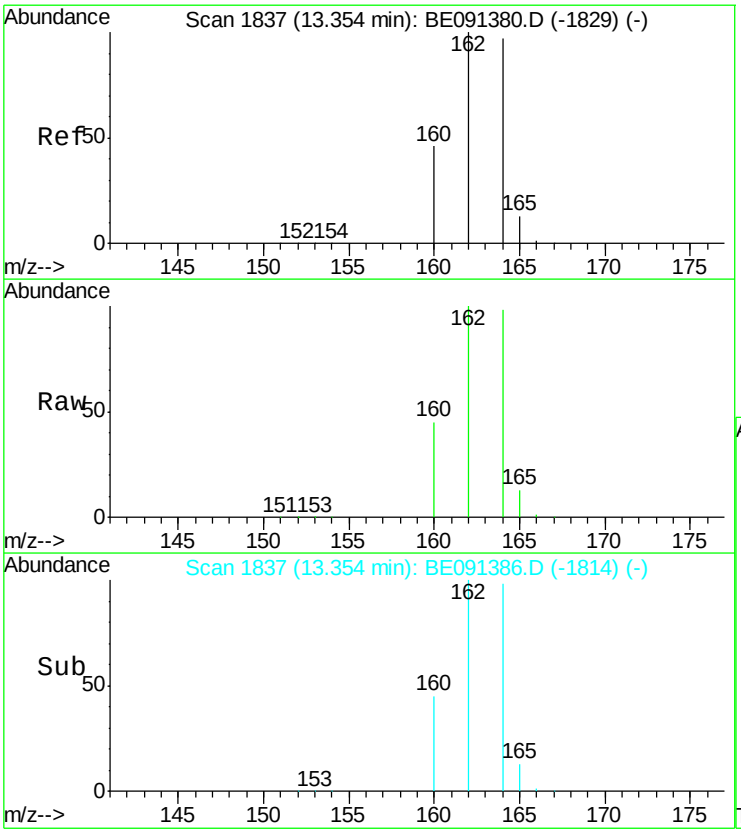
#7
2-Methylnaphthalene
Concen: 0.93 ng
RT: 11.13 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:142 Resp: 29076

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.3	108.5
115	34.7	30.5	45.7

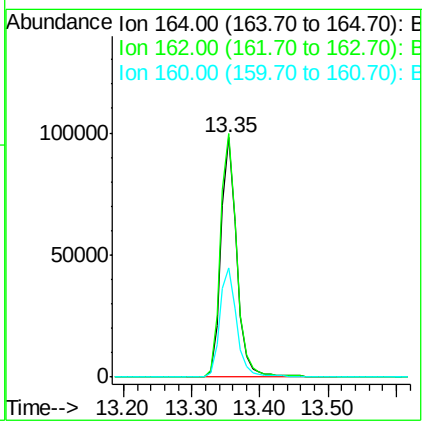


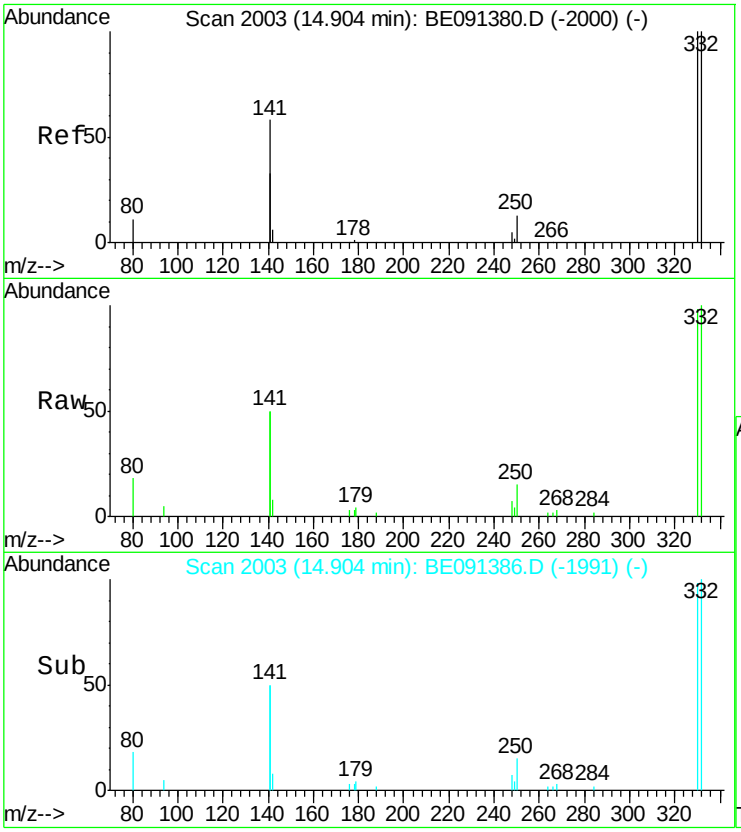


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.35 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:164 Resp: 157545

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	45.8	37.8	56.8



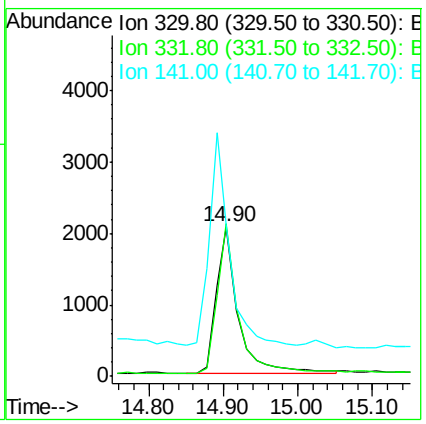


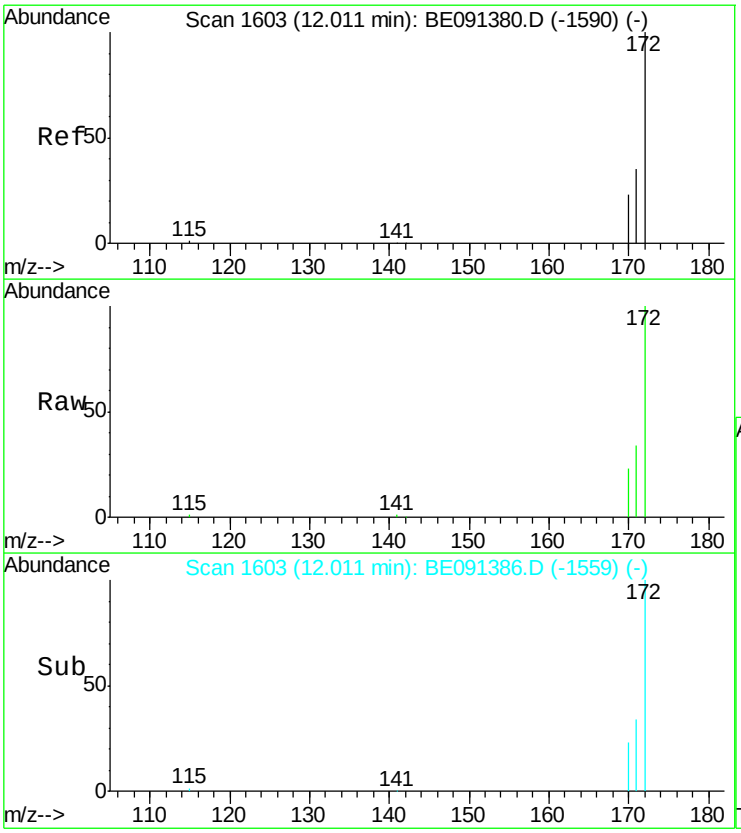
#9
2,4,6-Tribromophenol
Concen: 0.85 ng
RT: 14.90 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:330 Resp: 4123

Ion	Ratio	Lower	Upper
330	100		
332	99.2	78.8	118.2
141	133.5	105.1	157.7

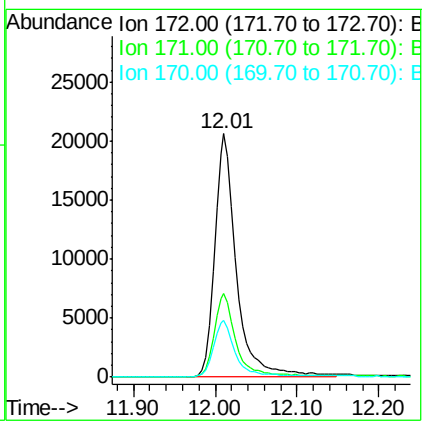


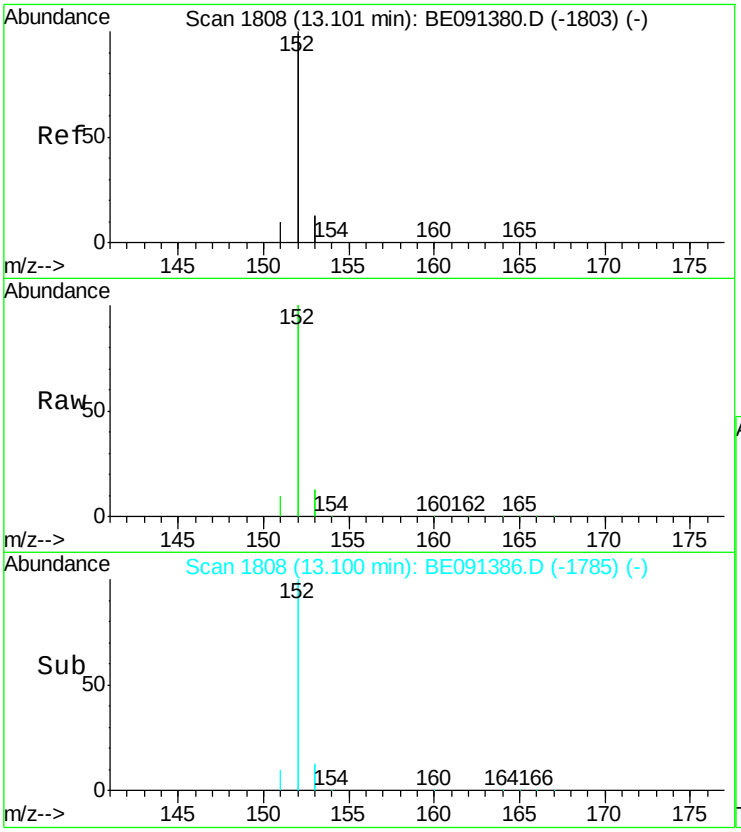


#10
2-Fluorobiphenyl
Concen: 0.93 ng
RT: 12.01 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:172 Resp: 38146

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.8
170	23.2	18.6	28.0



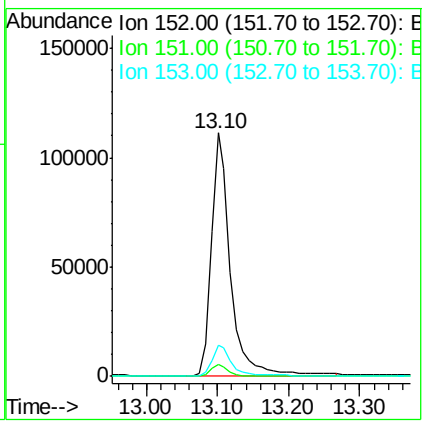


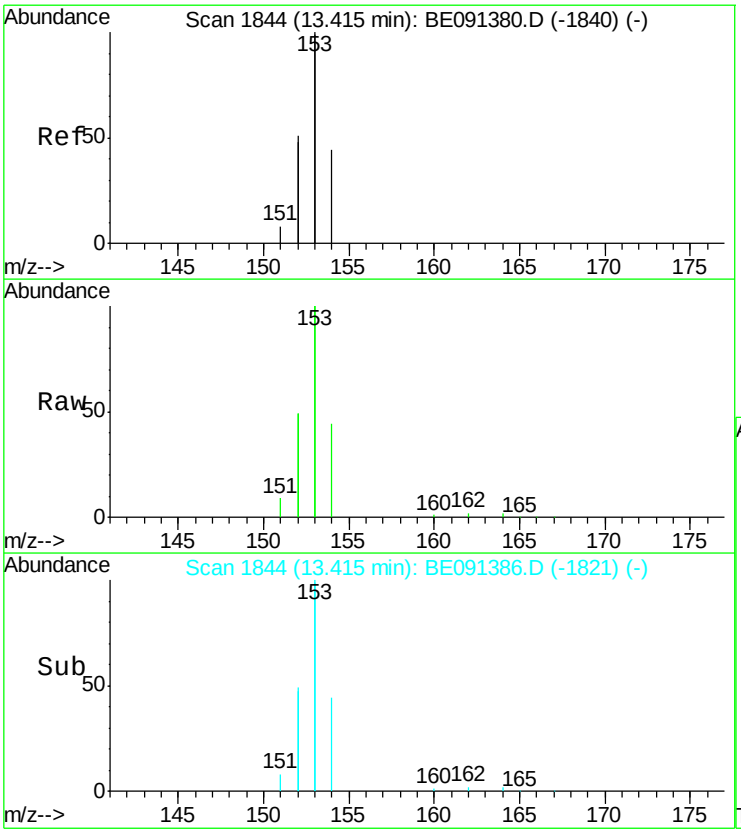
#11
Acenaphthylene
Concen: 0.91 ng
RT: 13.10 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:152 Resp: 209189

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.7	10.2	15.4

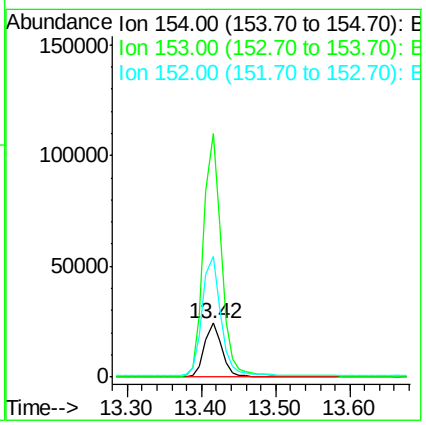


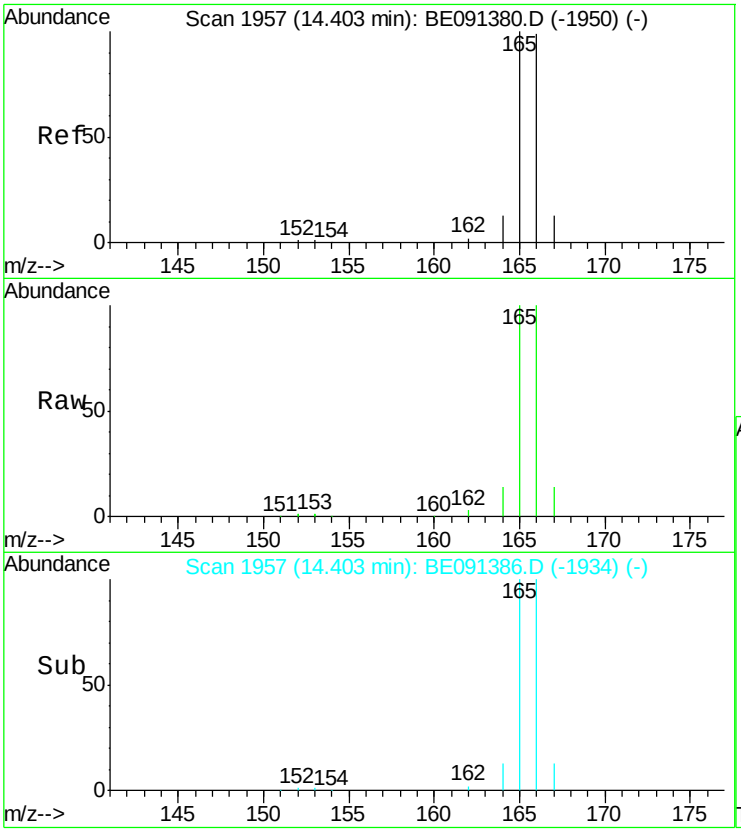


#12
Acenaphthene
Concen: 0.89 ng
RT: 13.42 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:154 Resp: 38571

Ion	Ratio	Lower	Upper
154	100		
153	460.8	369.8	554.8
152	234.8	194.4	291.6



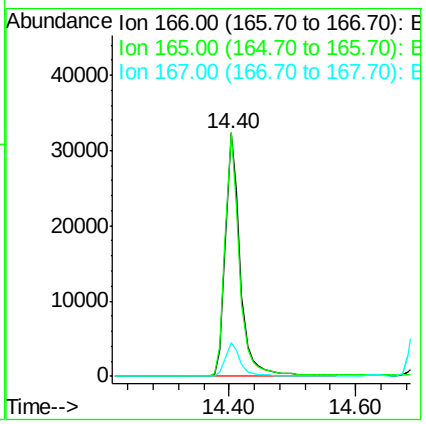


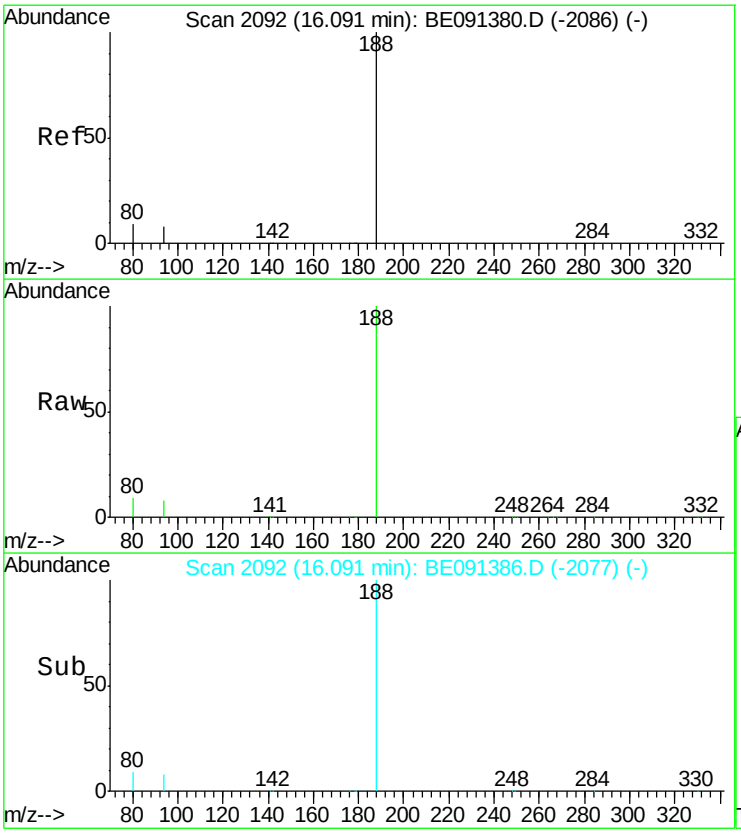
#13
Fluorene
Concen: 0.93 ng
RT: 14.40 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:166 Resp: 51937

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.3	118.9
167	13.3	10.6	16.0

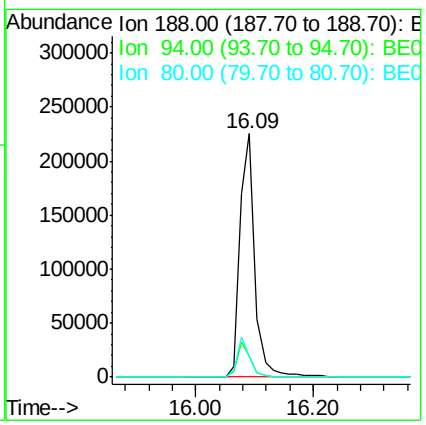


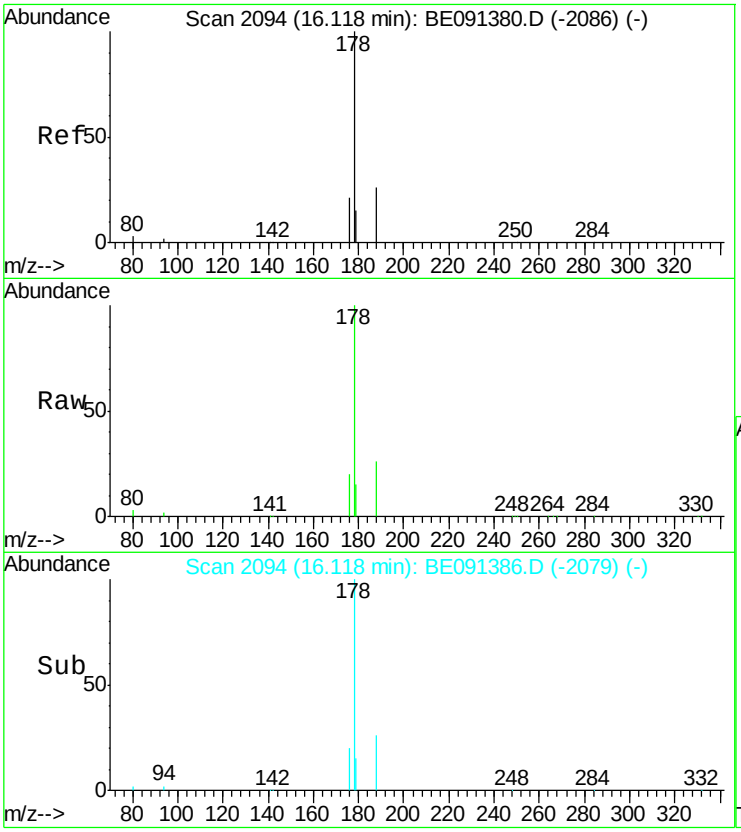


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.09 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:188 Resp: 394481

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	8.7	7.0	10.6



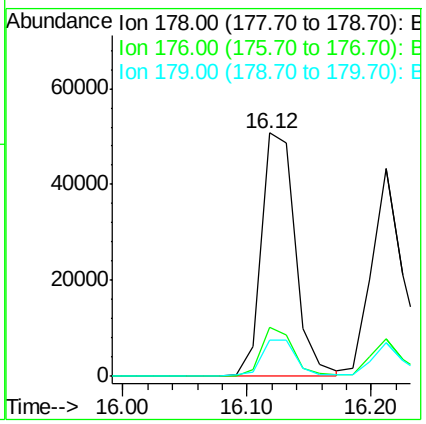


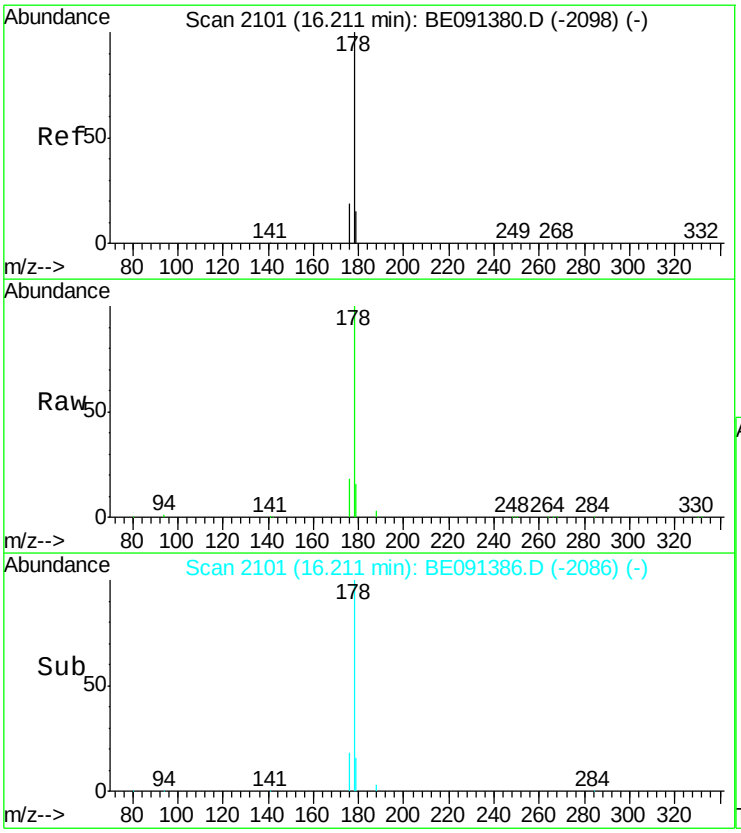
#15
Phenanthrene
Concen: 0.92 ng
RT: 16.12 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:178 Resp: 95288

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.4	12.7	19.1

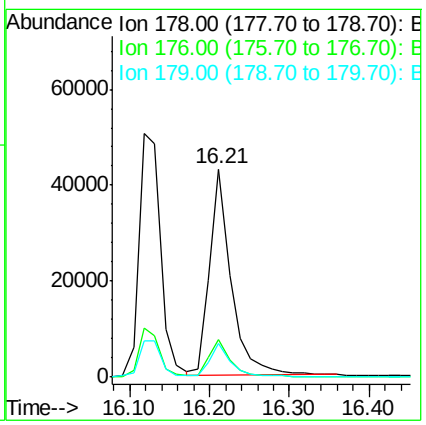


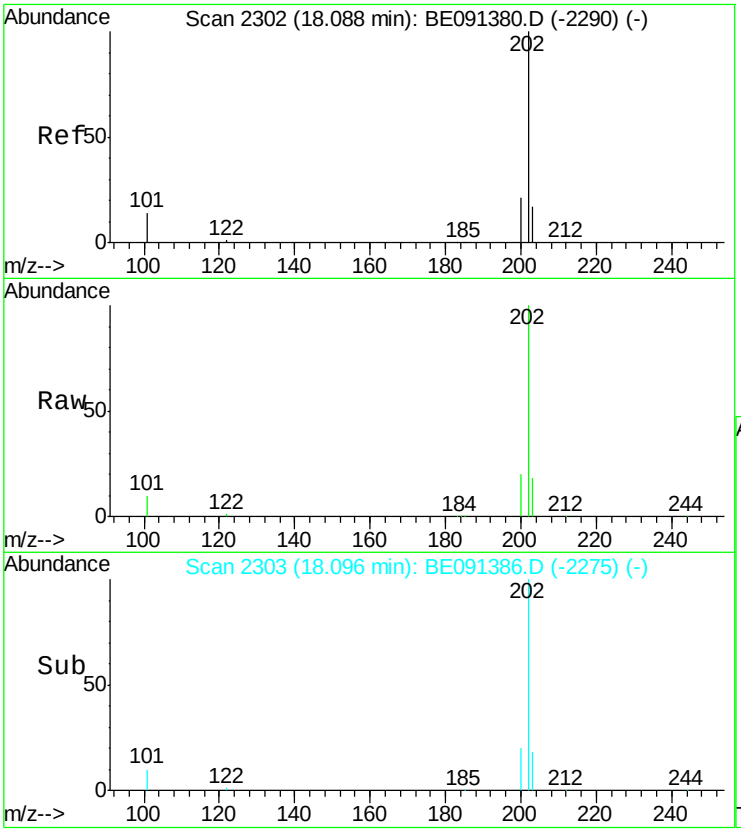


#16
Anthracene
Concen: 0.94 ng
RT: 16.21 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:178 Resp: 81447

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.1	18.1



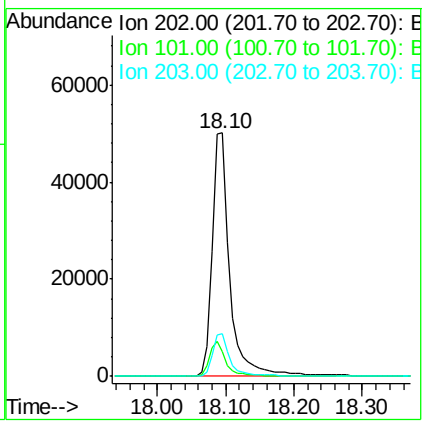


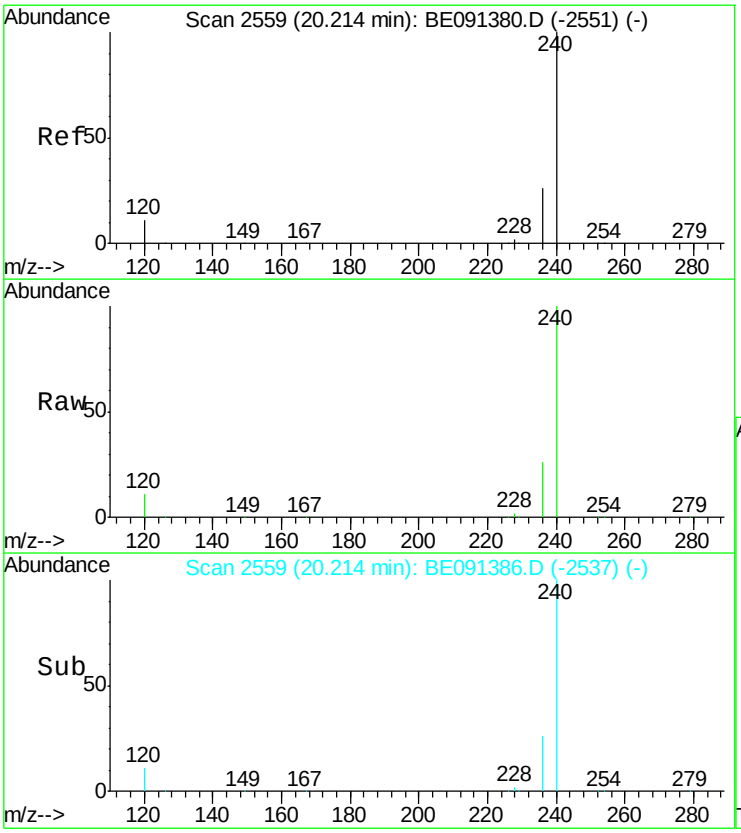
#17
Fluoranthene
Concen: 0.92 ng
RT: 18.10 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 88918

Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.5	15.7
203	17.5	13.9	20.9

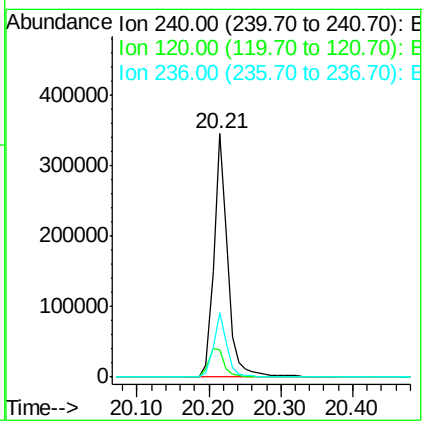


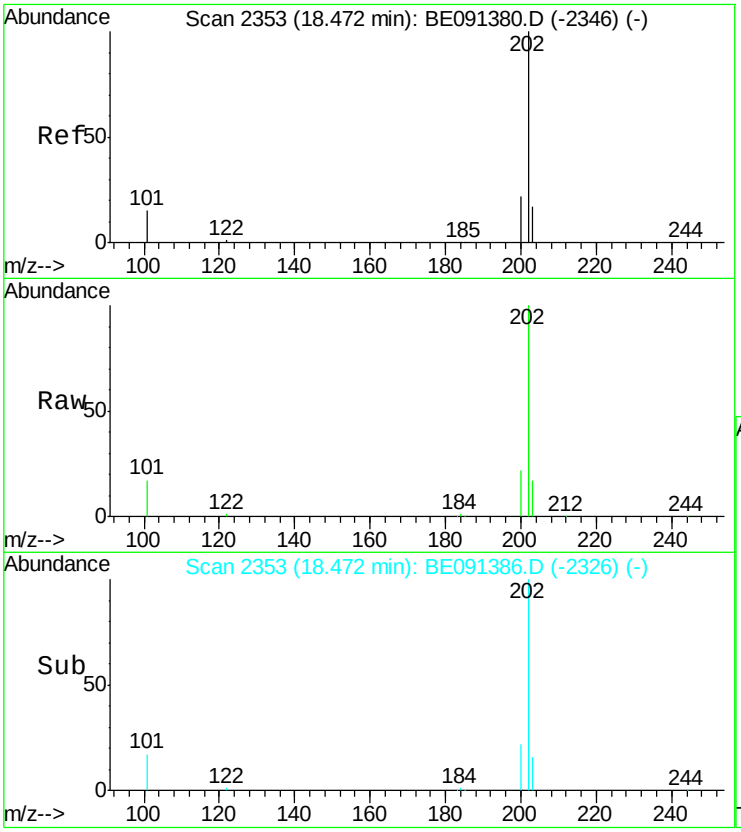


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.21 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:240 Resp: 456040

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	26.3	21.0	31.4



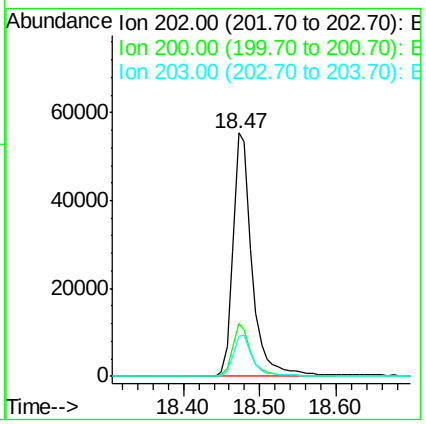


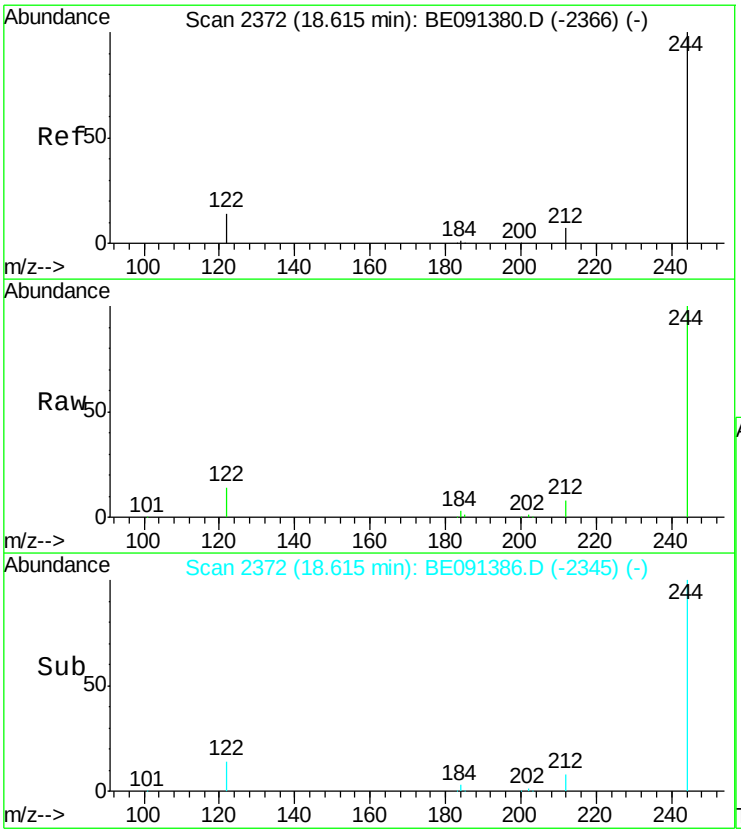
#19
Pyrene
Concen: 0.96 ng
RT: 18.47 min Scan# 2353
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 94759

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.2	14.0	21.0

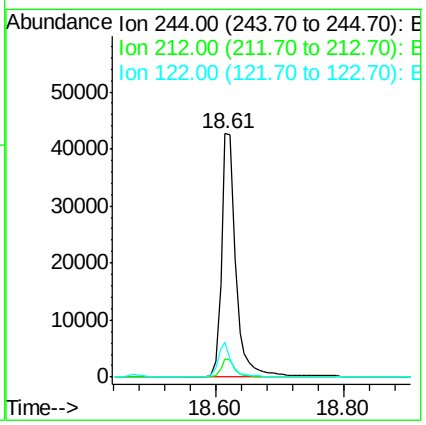


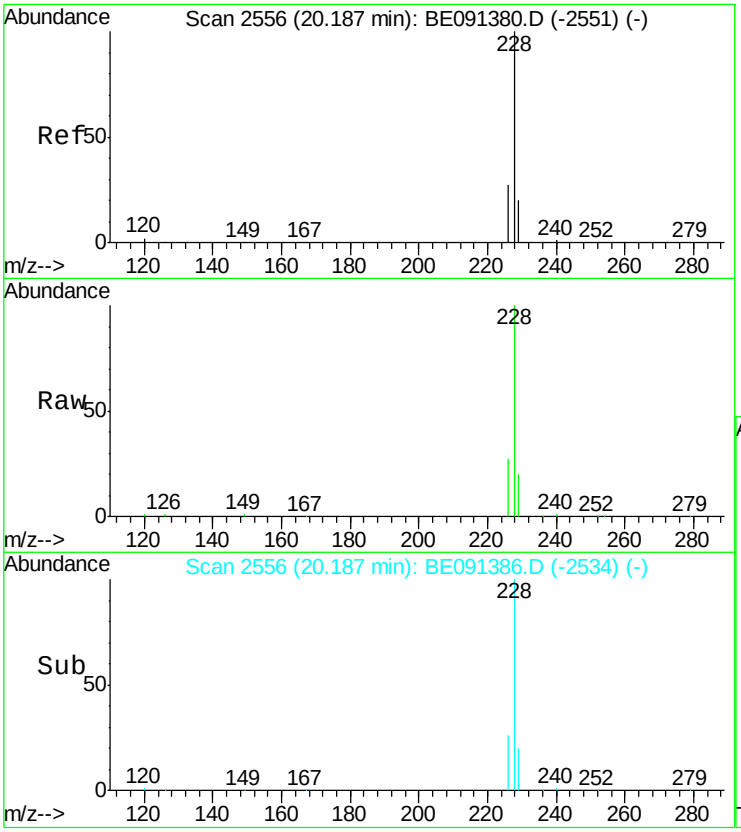


#20
Terphenyl-d14
Concen: 0.99 ng
RT: 18.61 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:244 Resp: 66577

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	14.4	11.0	16.6



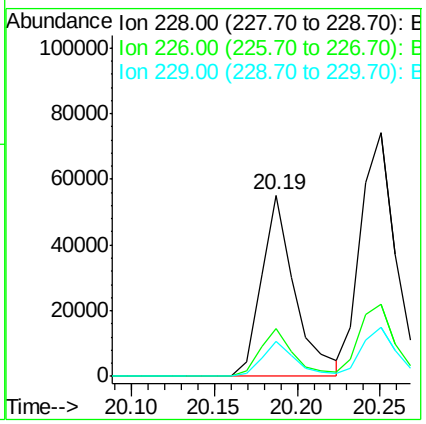


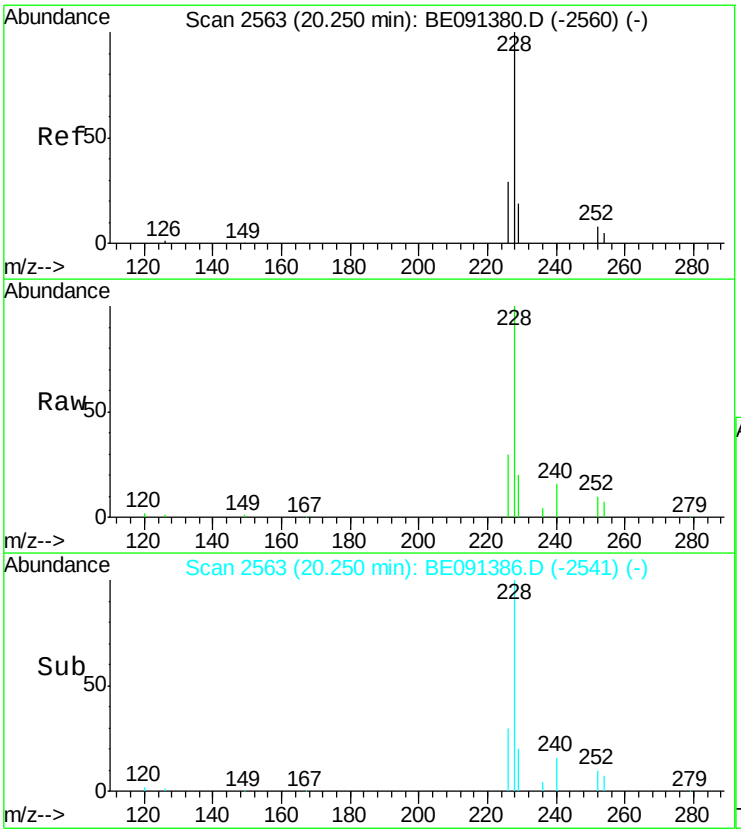
#21
Benzo(a)anthracene
Concen: 0.91 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:228 Resp: 77811

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.7	32.5
229	19.7	16.1	24.1

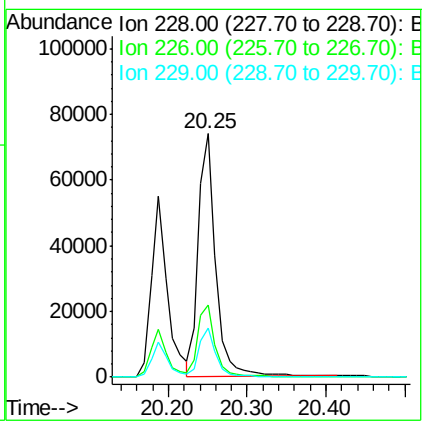


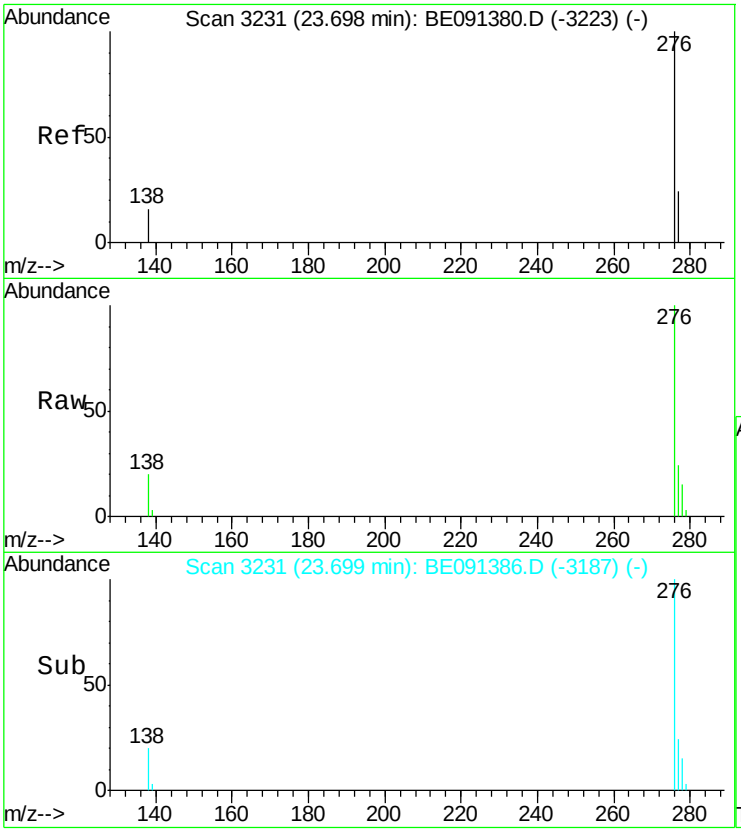


#22
Chrysene
Concen: 0.95 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:228 Resp: 113692

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	19.9	15.7	23.5



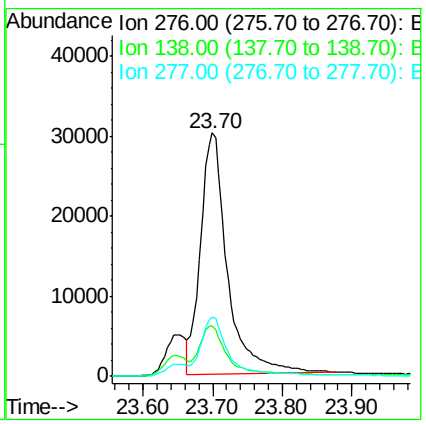


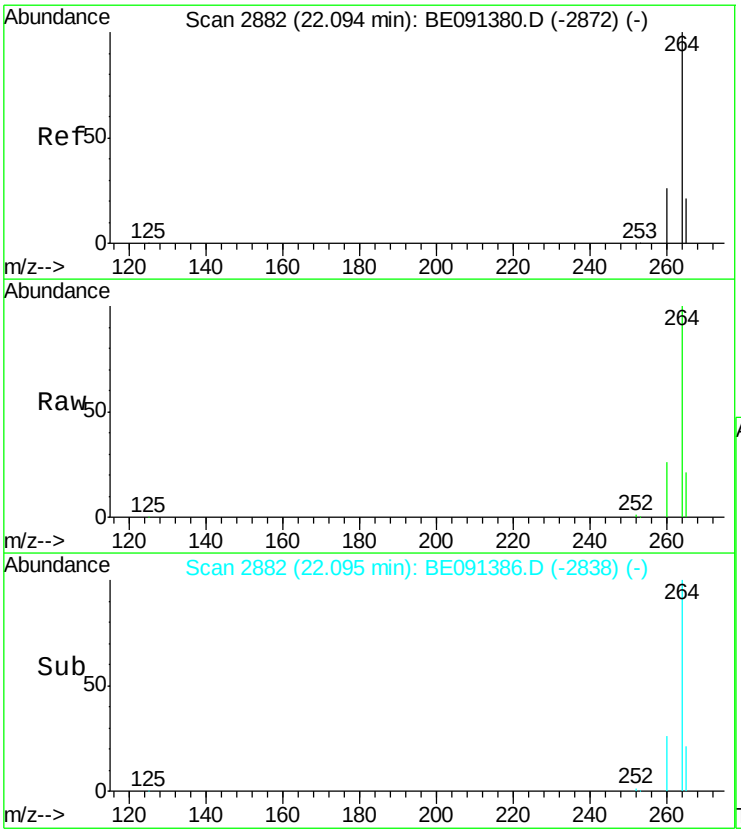
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.91 ng
RT: 23.70 min Scan# 3231
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:276 Resp: 80561

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.6	25.0
277	23.9	19.0	28.6

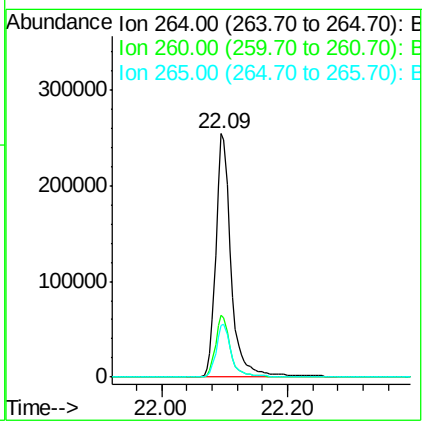


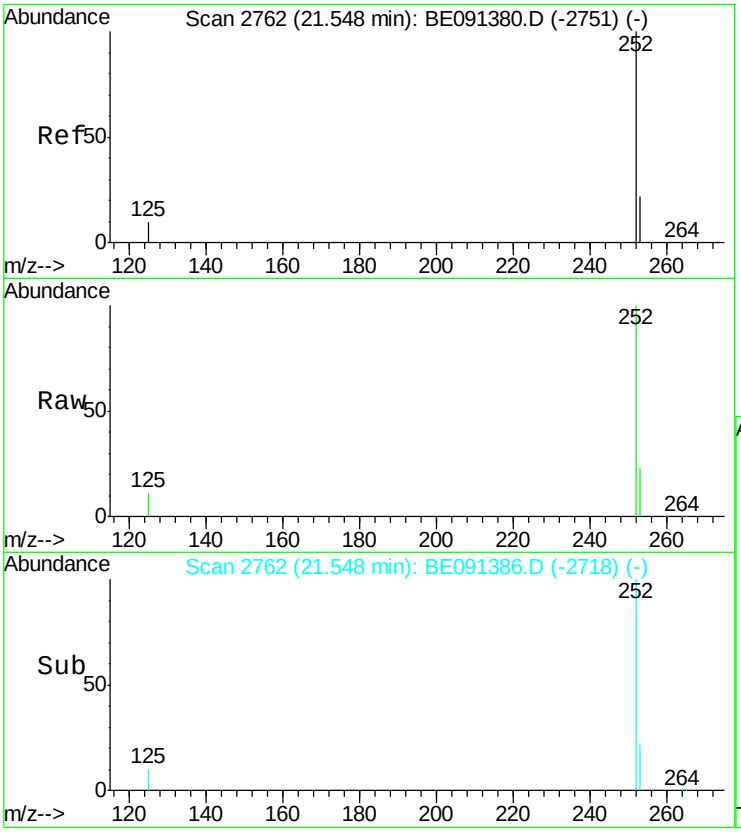


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 2882
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:264 Resp: 428033

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.7	31.1
265	21.2	17.2	25.8



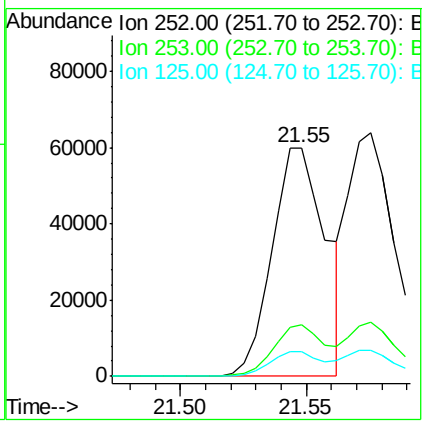


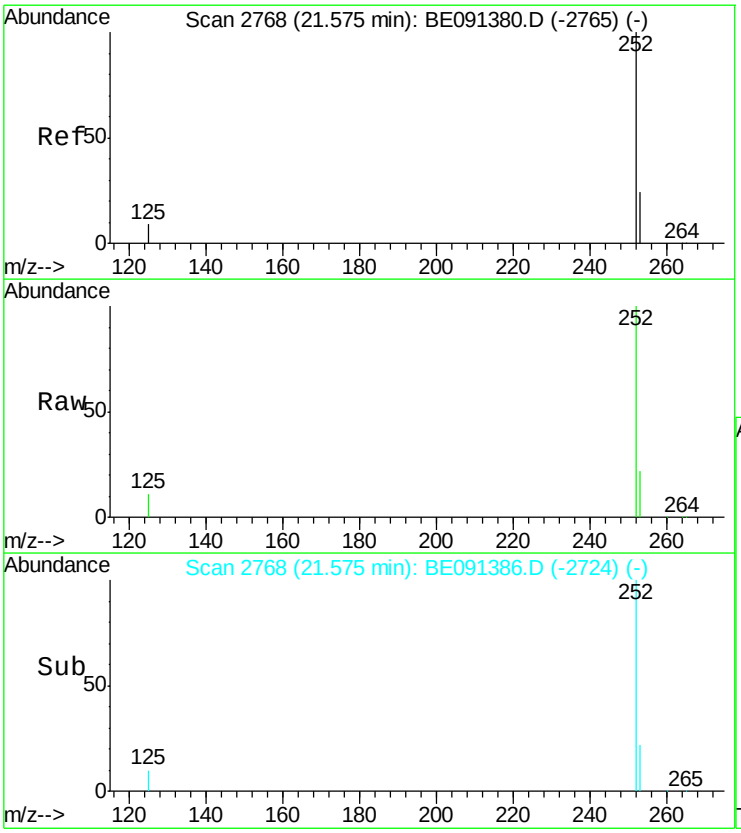
#25
Benzo(b)fluoranthene
Concen: 0.95 ng
RT: 21.55 min Scan# 2762
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 87757

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	10.5	8.3	12.5

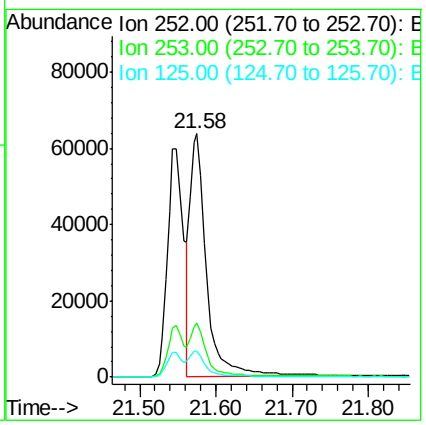


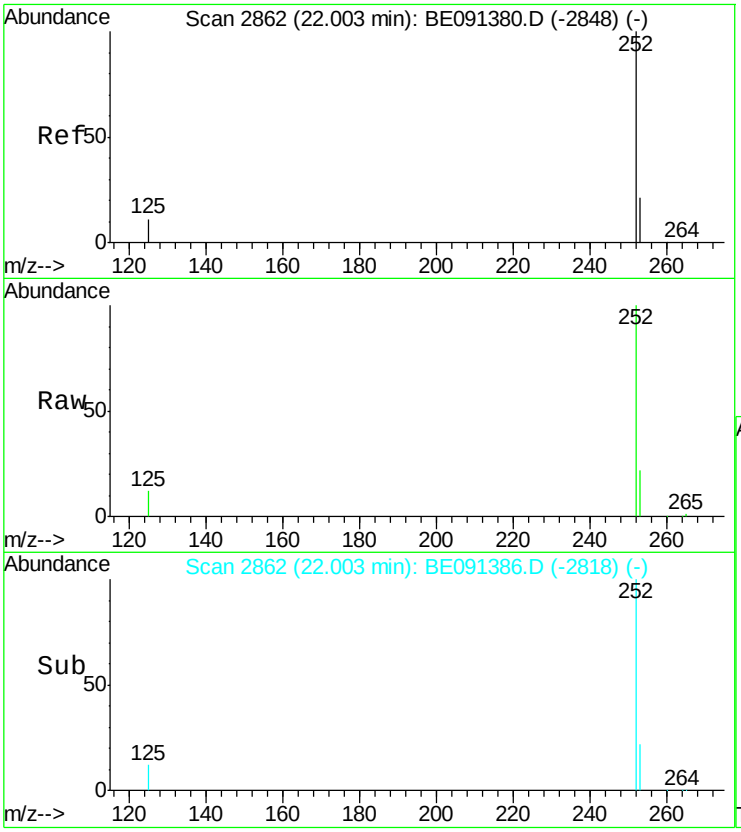


#26
Benzo(k)fluoranthene
Concen: 0.89 ng
RT: 21.58 min Scan# 2768
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:252 Resp: 93441

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	10.6	8.2	12.4



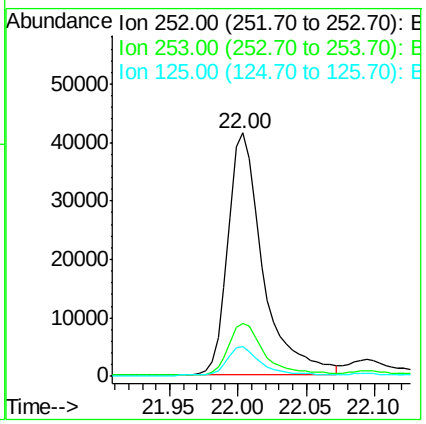


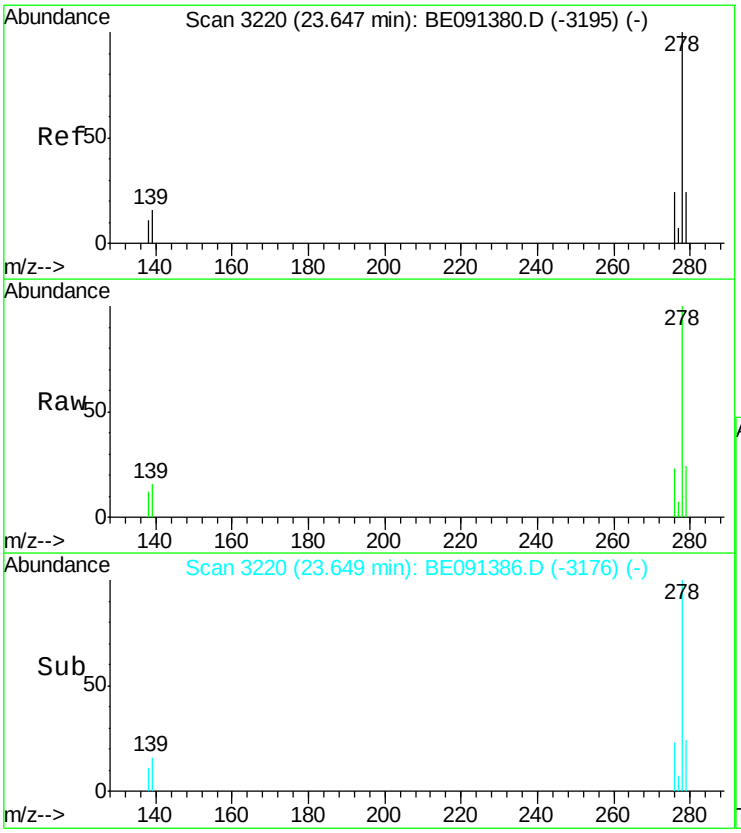
#27
Benzo(a)pyrene
Concen: 0.89 ng
RT: 22.00 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 73664

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.2	9.4	14.0

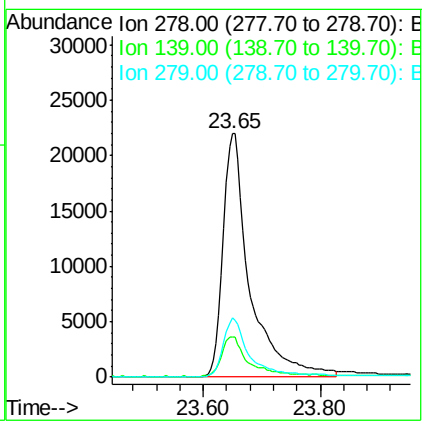


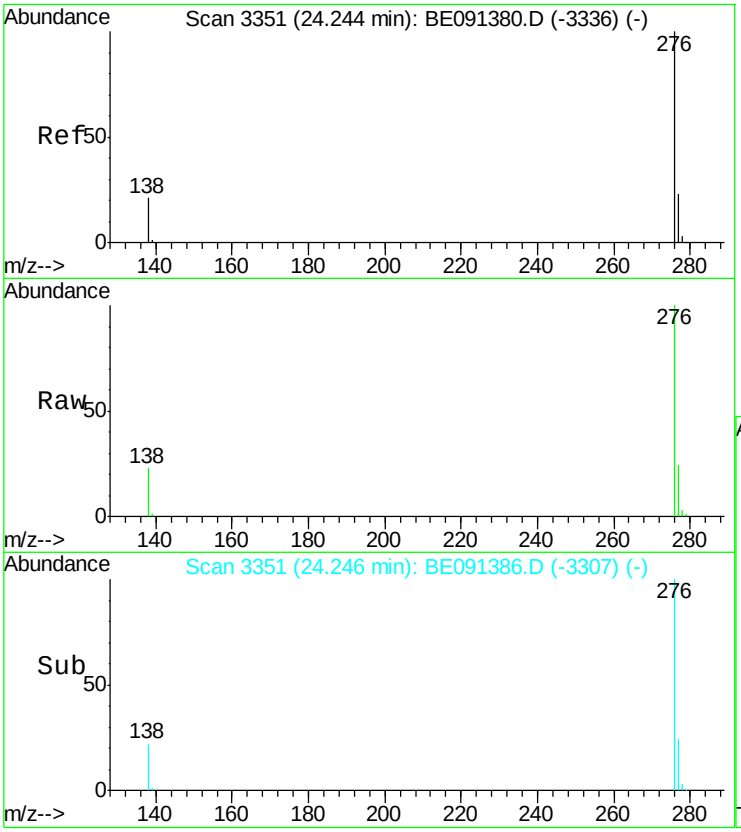


#28
Dibenzo(a,h)anthracene
Concen: 0.92 ng
RT: 23.65 min Scan# 3220
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Tgt Ion:278 Resp: 69026

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.4
279	24.1	19.2	28.8





#29
Benzo(g,h,i)perylene
Concen: 0.93 ng
RT: 24.25 min Scan# 3351
Delta R.T. 0.00 min
Lab File: BE091386.D
Acq: 4 Feb 2016 9:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:276 Resp: 85942

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	22.6	17.0	25.6