Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
Data File : BE091363.D
Acq On : 14 Jan 2016 23:00
Operator : UM/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE011416

Quant Time: Jan 15 01:33:59 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 23:29:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	21302	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	99196	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	49820	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	150068	5.00	ng	0.00
18) Chrysene-d12	20.22	240	146748	5.00	ng	0.00
24) Perylene-d12	22.10	264	111950	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.94	112	3081	1.31	ng	0.00
3) Phenol-d6	6.57	99	4984	1.28	ng	0.00
5) Nitrobenzene-d5	8.17	82	6017	1.05	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	900	0.98	ng	0.00
10) 2-Fluorobiphenyl	12.02	172	11612	1.08	ng	0.00
20) Terphenyl-d14	18.62	244	14413	0.96	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.59	128	22367	1.06	ng	99
7) 2-Methylnaphthalene	11.14	142	8198	0.95	ng	93
11) Acenaphthylene	13.11	152	67781	0.96	ng	100
12) Acenaphthene	13.41	154	14580	1.03	ng	91
13) Fluorene	14.41	166	18117	1.03	ng	97
15) Phenanthrene	16.12	178	37669	1.01	ng	100
16) Anthracene	16.20	178	27145	0.96	ng	100
17) Fluoranthene	18.10	202	22231	0.81	ng	100
19) Pyrene	18.48	202	20101	0.91	ng	99
21) Benzo(a)anthracene	20.19	228	17787	0.90	ng	98
22) Chrysene	20.25	228	37825	1.06	ng	98
23) Indeno(1,2,3-cd)pyrene	23.71	276	19931	0.87	ng	94
25) Benzo(b)fluoranthene	21.55	252	21320	0.99	ng	99
26) Benzo(k)fluoranthene	21.58	252	24133	0.98	ng	99
27) Benzo(a)pyrene	22.01	252	17356	0.86	ng	99
28) Dibenzo(a,h)anthracene	23.66	278	14612	0.97	ng	100
29) Benzo(g,h,i)perylene	24.25	276	17805	0.95	ng	99

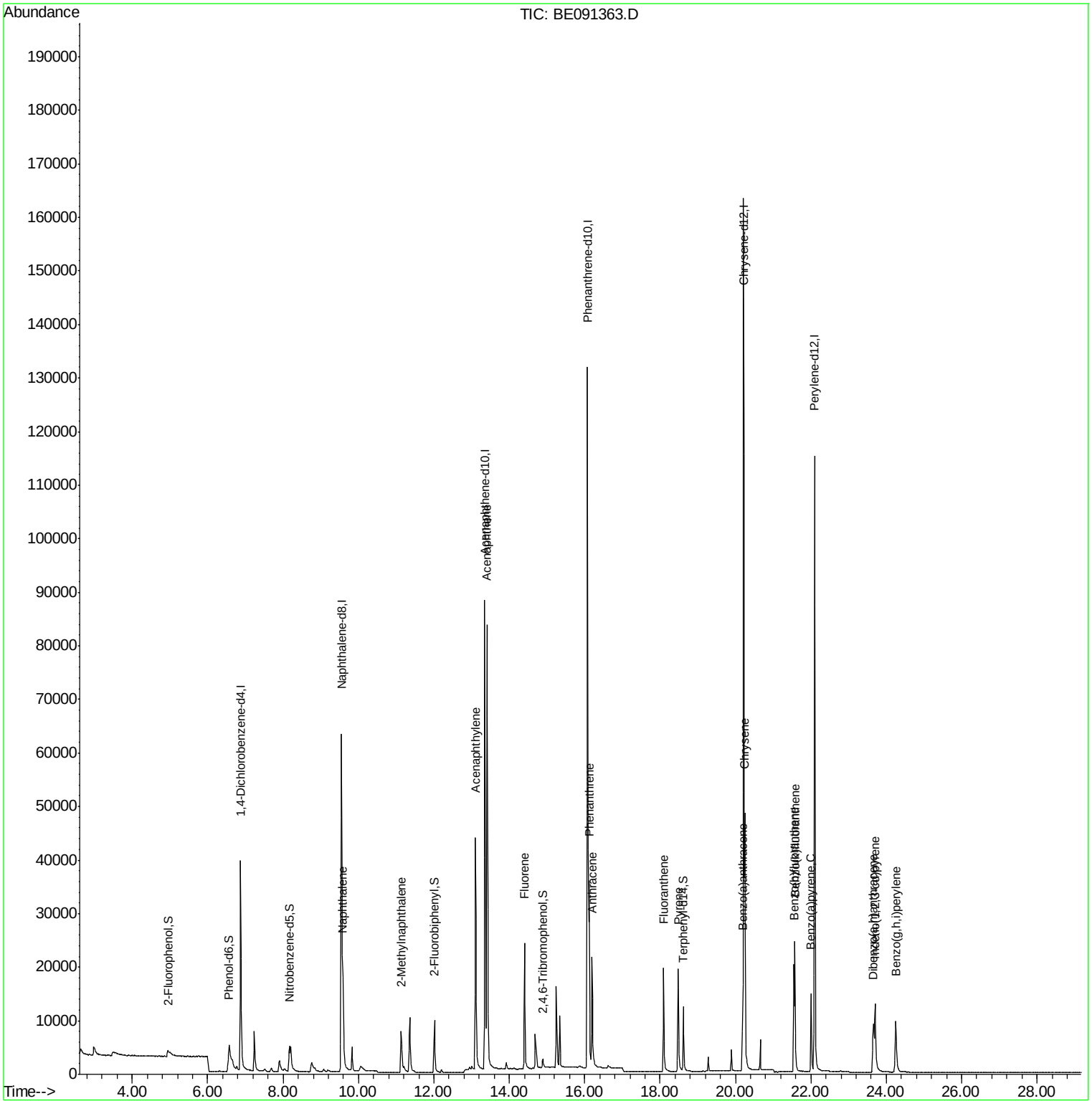
(#) = qualifier out of range (m) = manual integration (+) = signals summed

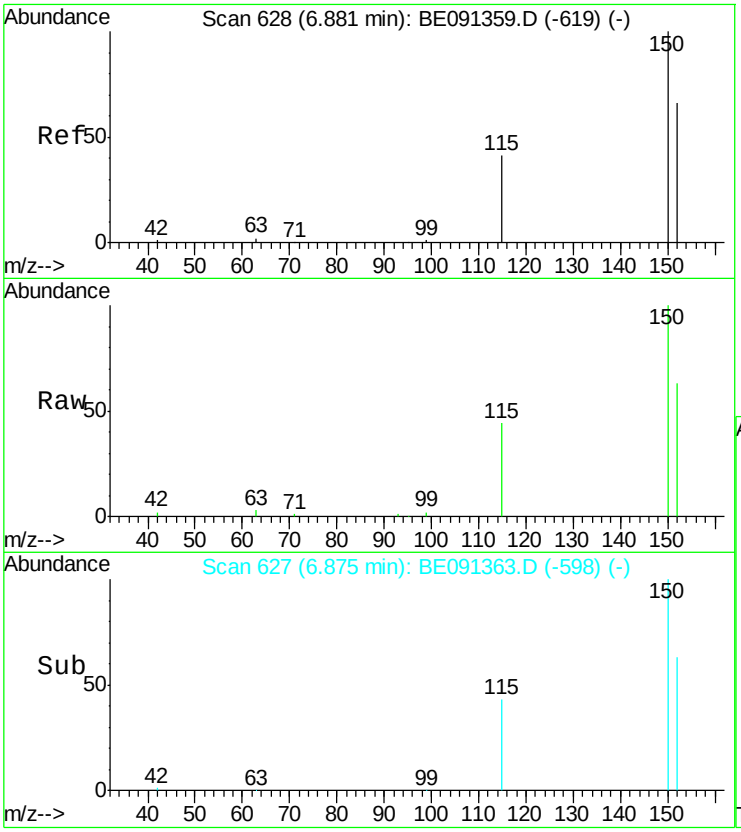
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
Data File : BE091363.D
Acq On : 14 Jan 2016 23:00
Operator : UM/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Quant Time: Jan 15 01:33:59 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 23:29:02 2016
Response via : Initial Calibration



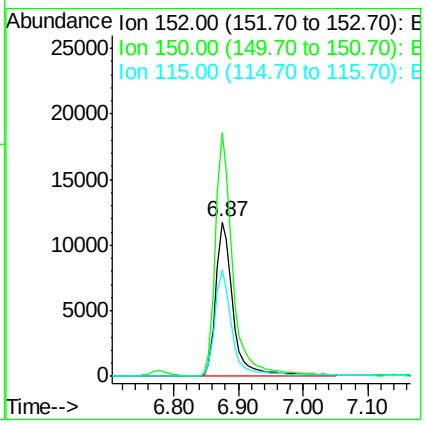


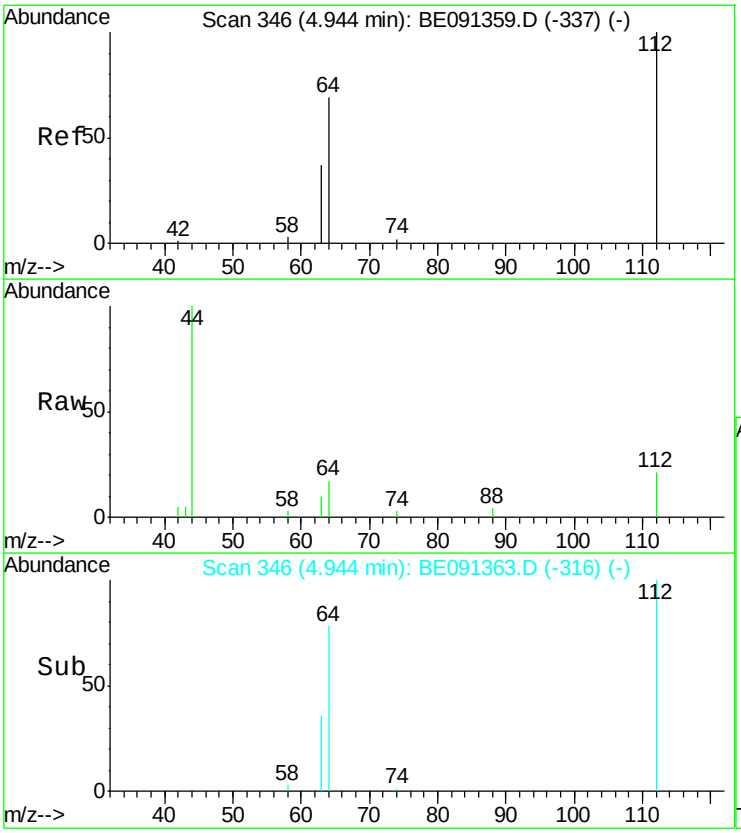
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 627
Delta R.T. -0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:152 Resp: 21302

Ion	Ratio	Lower	Upper
152	100		
150	157.5	121.6	182.4
115	68.7	50.6	75.8

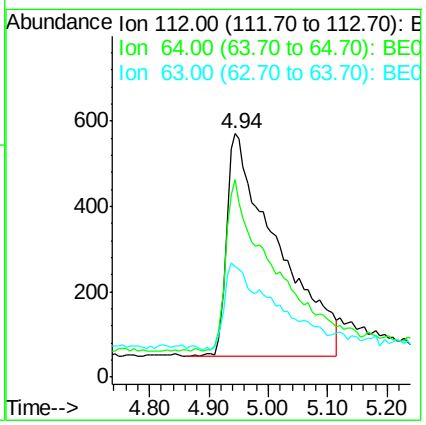


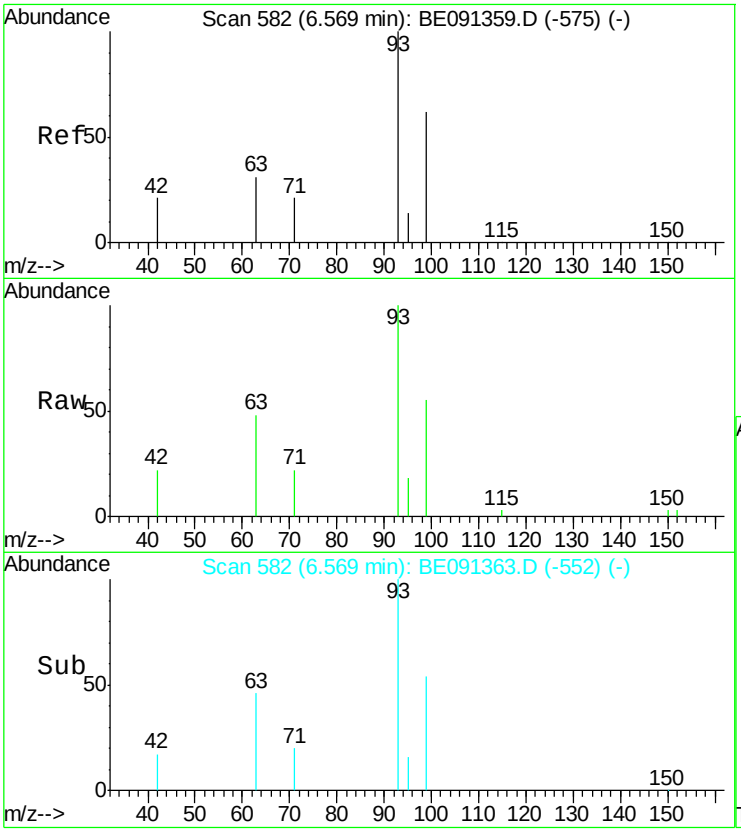


#2
2-Fluorophenol
Concen: 1.31 ng
RT: 4.94 min Scan# 346
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:112 Resp: 3081

Ion	Ratio	Lower	Upper
112	100		
64	72.9	57.4	86.0
63	39.8	32.2	48.2



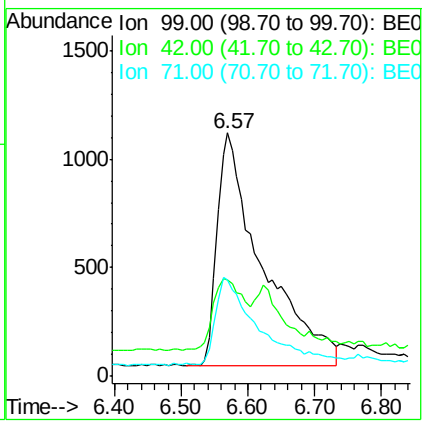


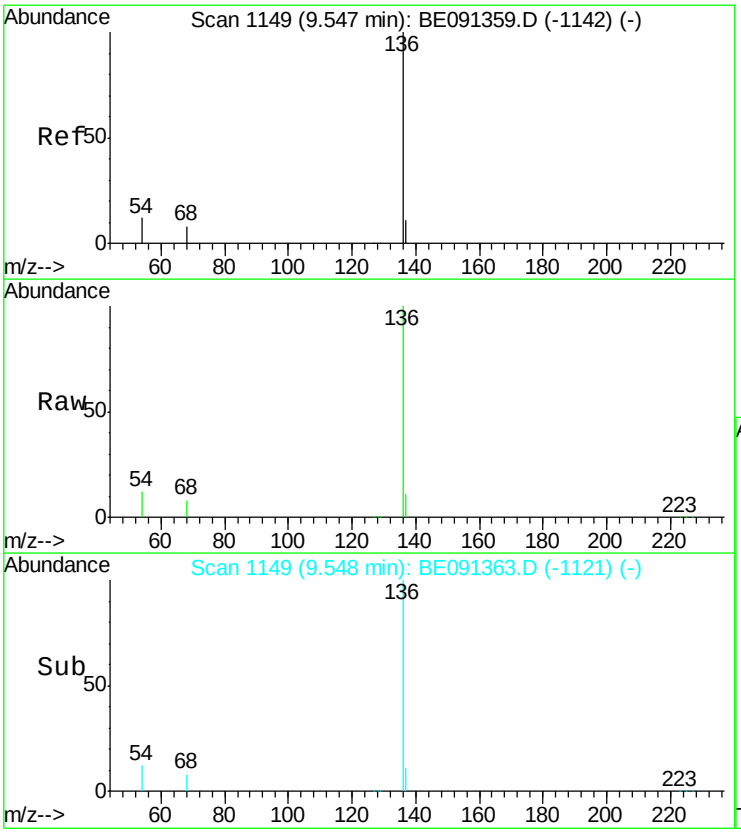
#3
Phenol-d6
Concen: 1.28 ng
RT: 6.57 min Scan# 582
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion: 99 Resp: 4984

Ion	Ratio	Lower	Upper
99	100		
42	21.4	22.9	34.3#
71	35.8	35.4	53.2

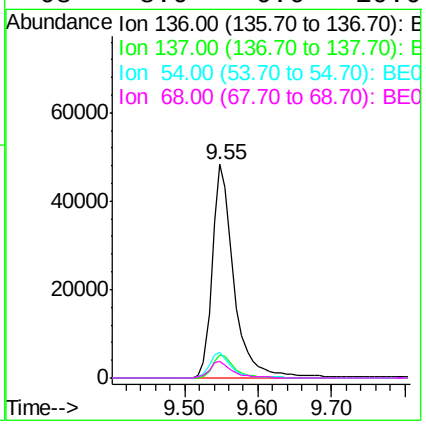


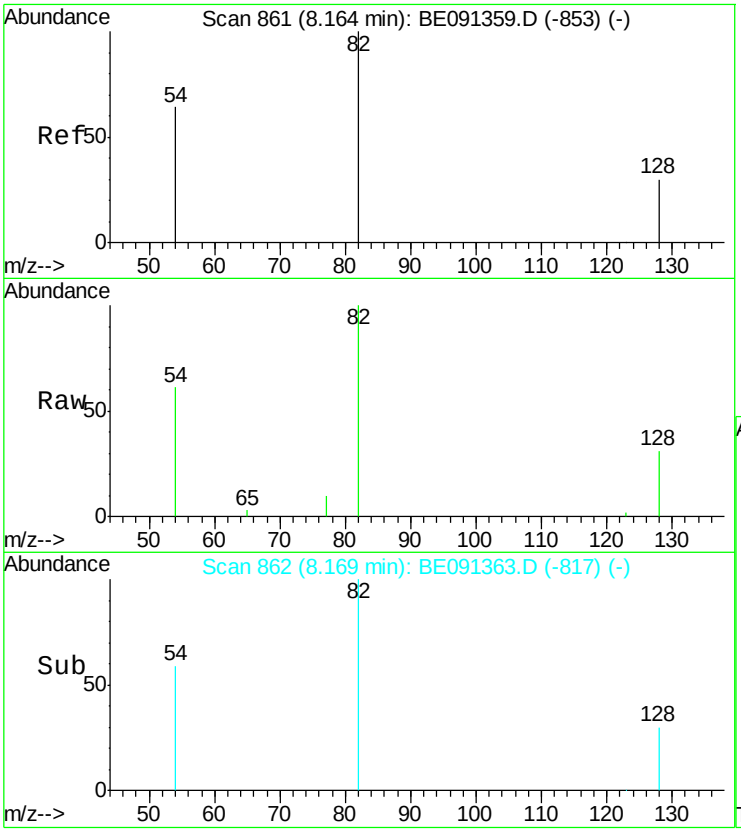


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.55 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:136 Resp: 99196

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	11.9	9.8	14.6
68	8.0	6.6	10.0



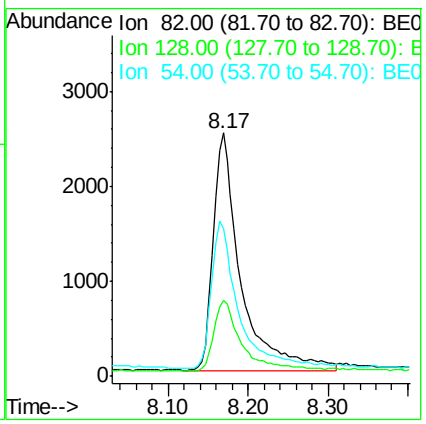


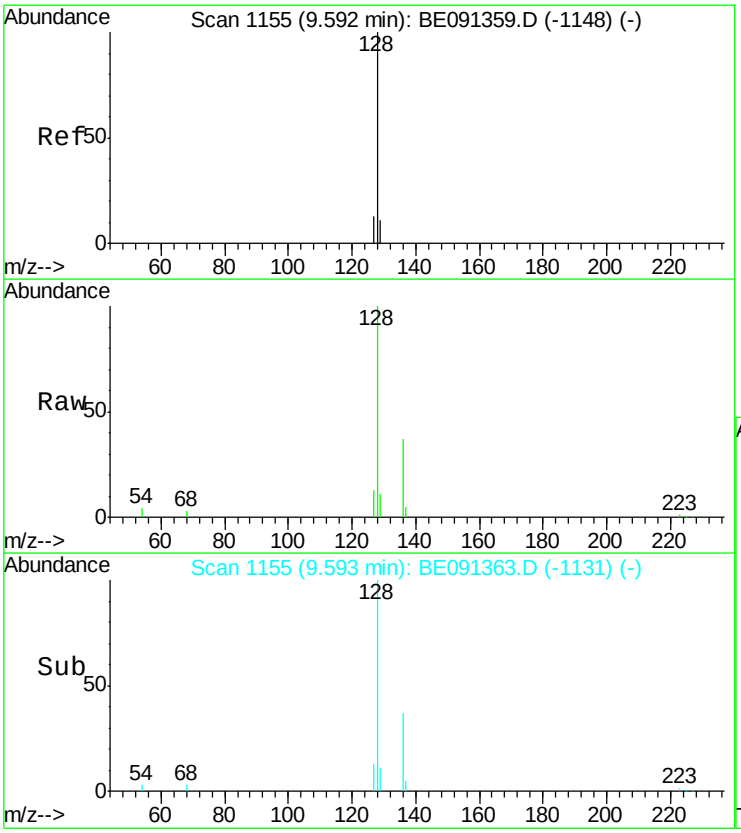
#5
Nitrobenzene-d5
Concen: 1.05 ng
RT: 8.17 min Scan# 862
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion: 82 Resp: 6017

Ion	Ratio	Lower	Upper
82	100		
128	31.4	24.6	36.8
54	60.7	52.7	79.1

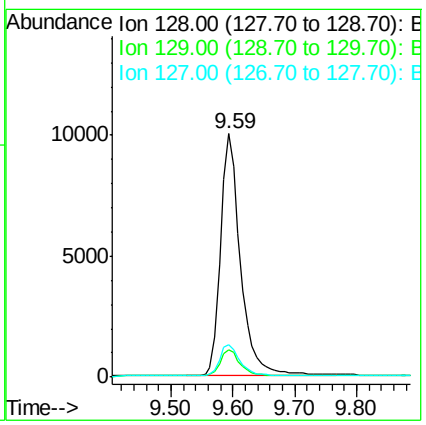


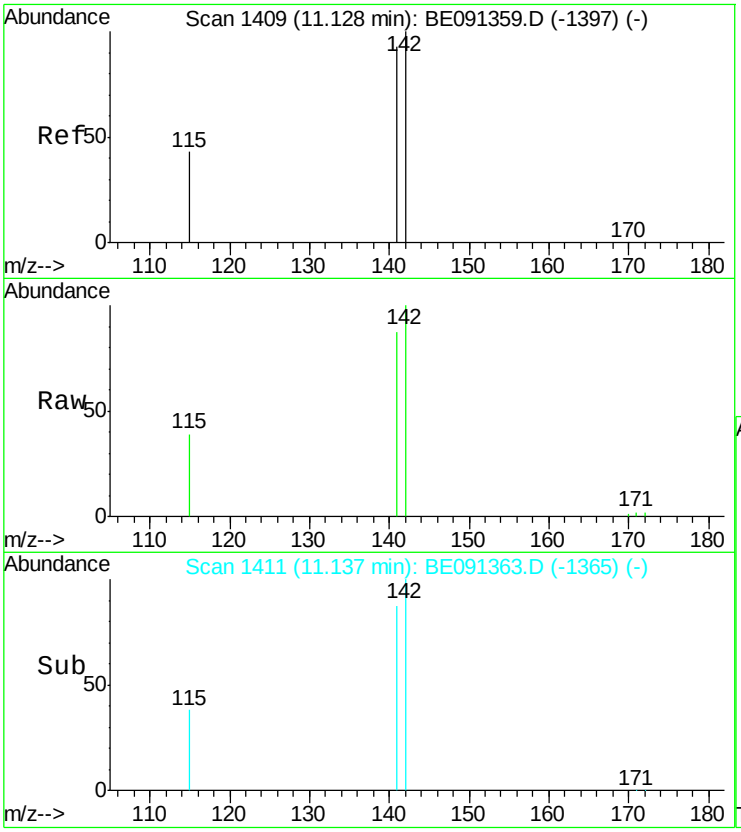


#6
Naphthalene
Concen: 1.06 ng
RT: 9.59 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:128 Resp: 22367

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	13.1	10.6	15.8



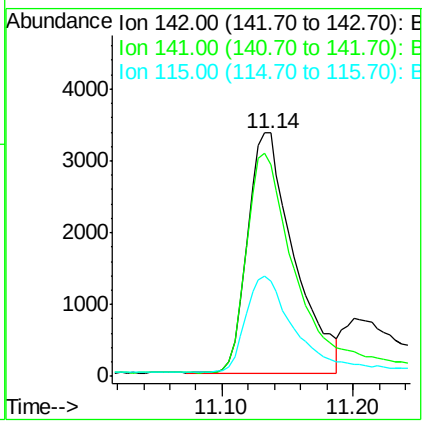


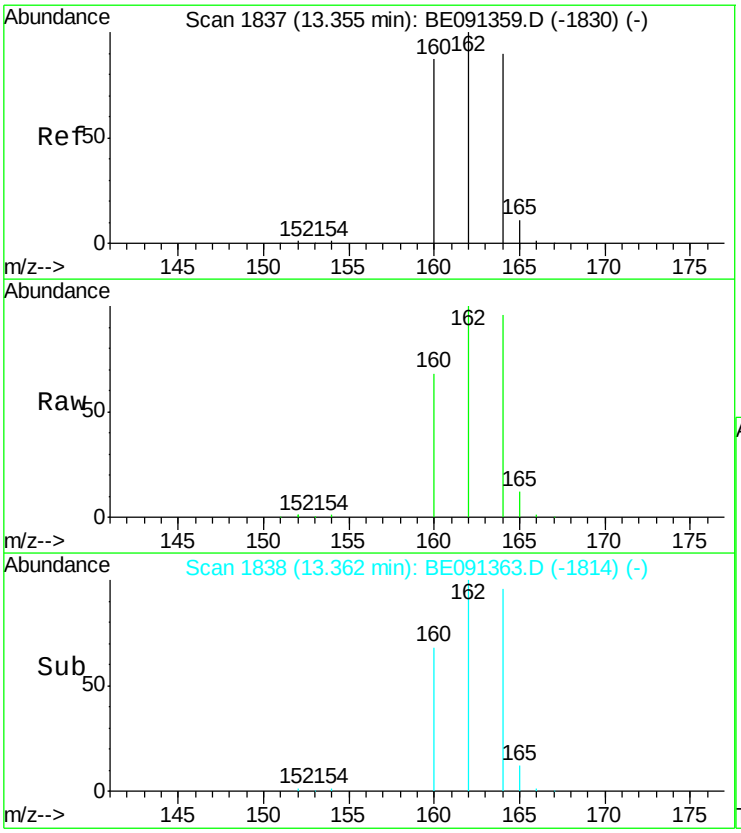
#7
2-Methylnaphthalene
Concen: 0.95 ng
RT: 11.14 min Scan# 1411
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:142 Resp: 8198

Ion	Ratio	Lower	Upper
142	100		
141	87.0	74.5	111.7
115	38.9	35.2	52.8

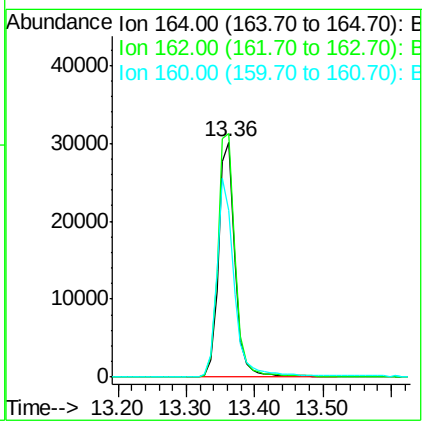


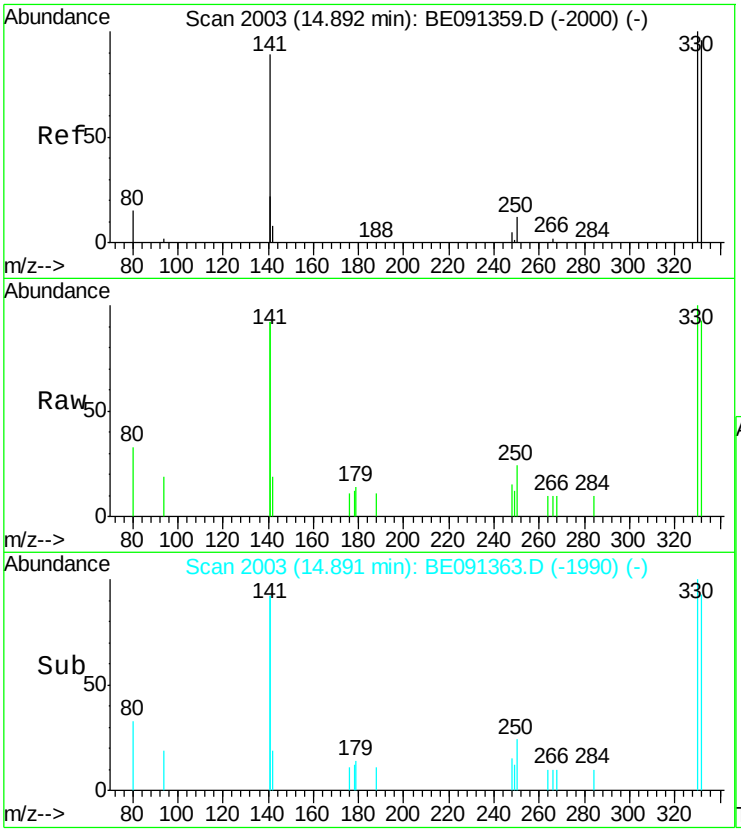


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.36 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:164 Resp: 49820

Ion	Ratio	Lower	Upper
164	100		
162	103.7	88.5	132.7
160	70.9	76.7	115.1#



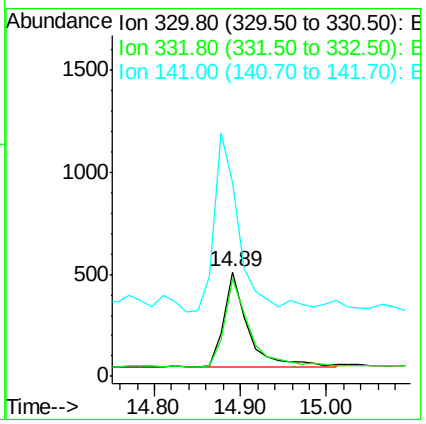


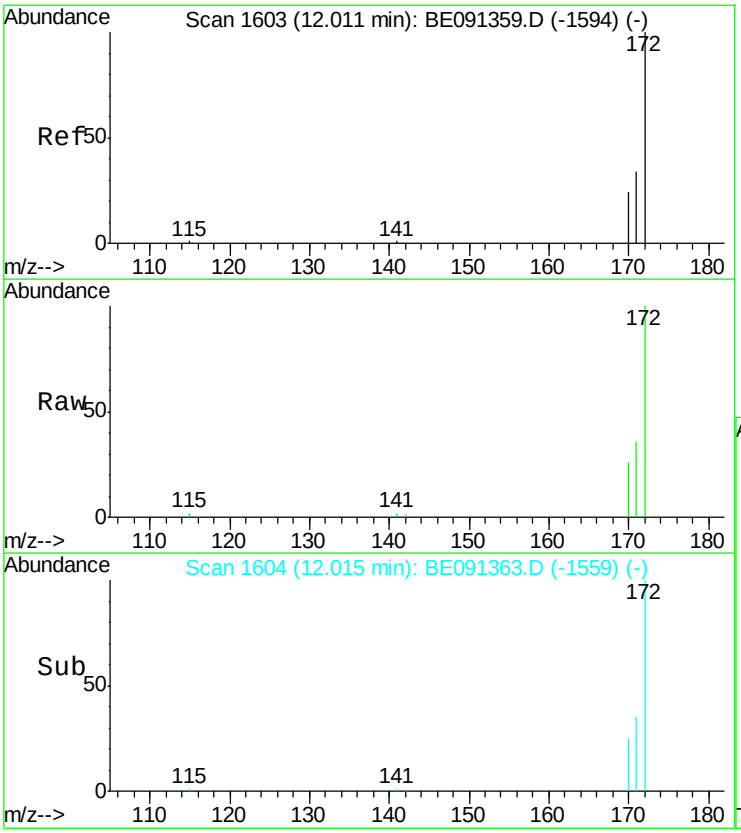
#9
2,4,6-Tribromophenol
Concen: 0.98 ng
RT: 14.89 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:330 Resp: 900

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.6	118.0
141	195.4	147.8	221.8

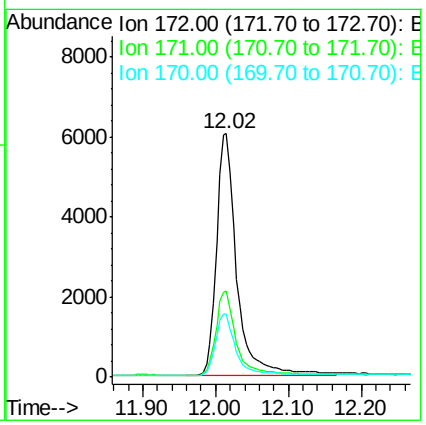


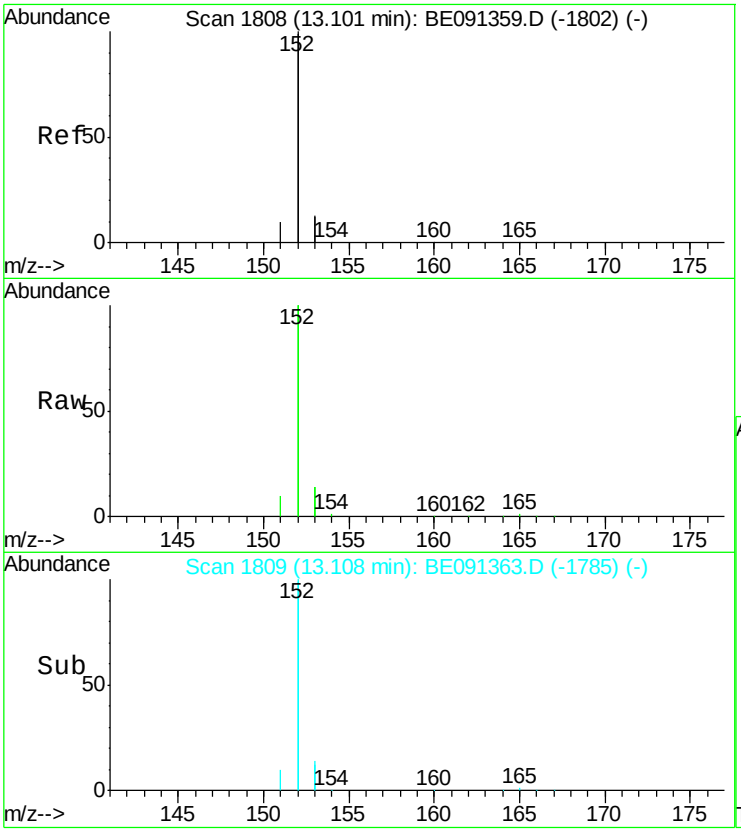


#10
2-Fluorobiphenyl
Concen: 1.08 ng
RT: 12.02 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:172 Resp: 11612

Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.3	40.9
170	25.8	19.8	29.6



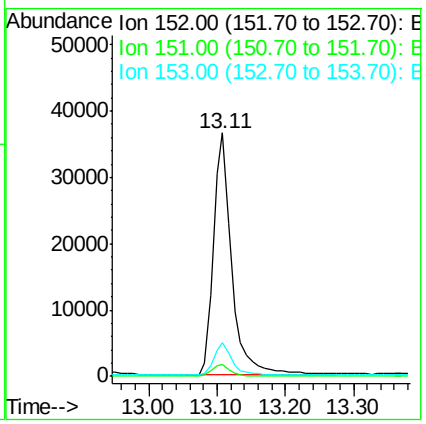


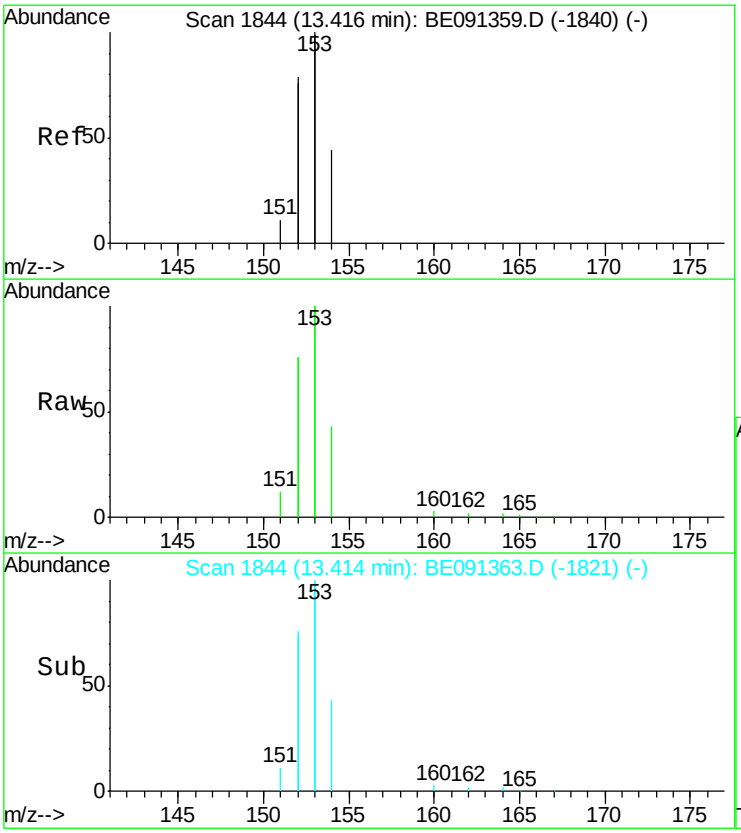
#11
Acenaphthylene
Concen: 0.96 ng
RT: 13.11 min Scan# 1809
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:152 Resp: 67781

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.8
153	12.8	10.1	15.1

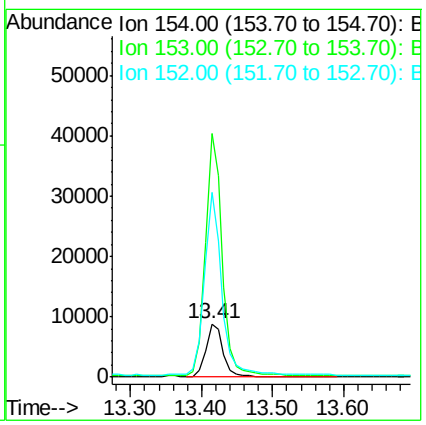


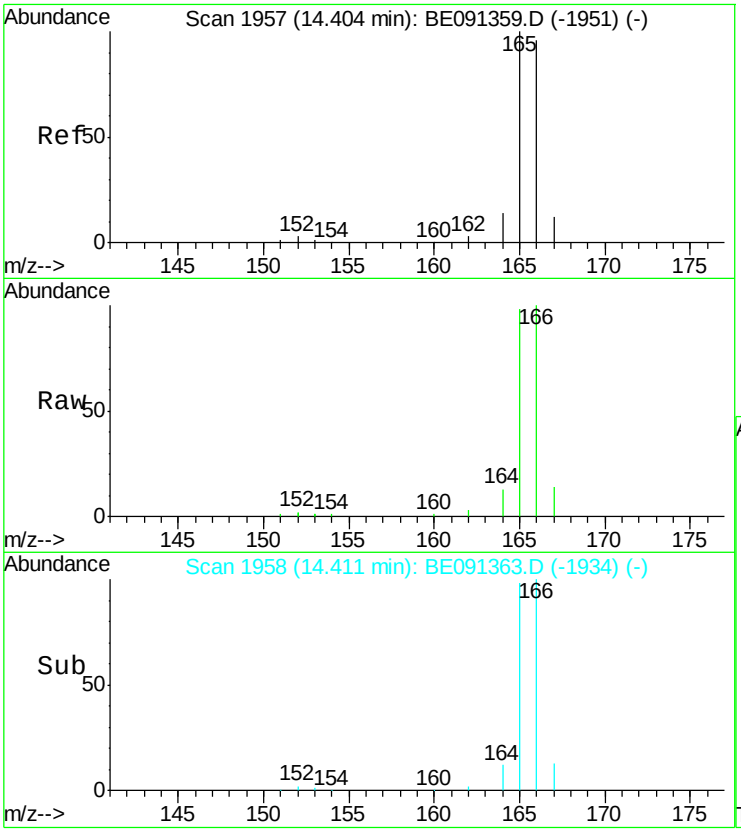


#12
Acenaphthene
Concen: 1.03 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:154 Resp: 14580

Ion	Ratio	Lower	Upper
154	100		
153	455.0	370.2	555.4
152	352.4	310.5	465.7



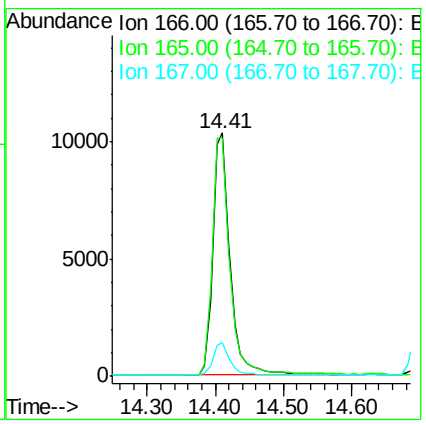


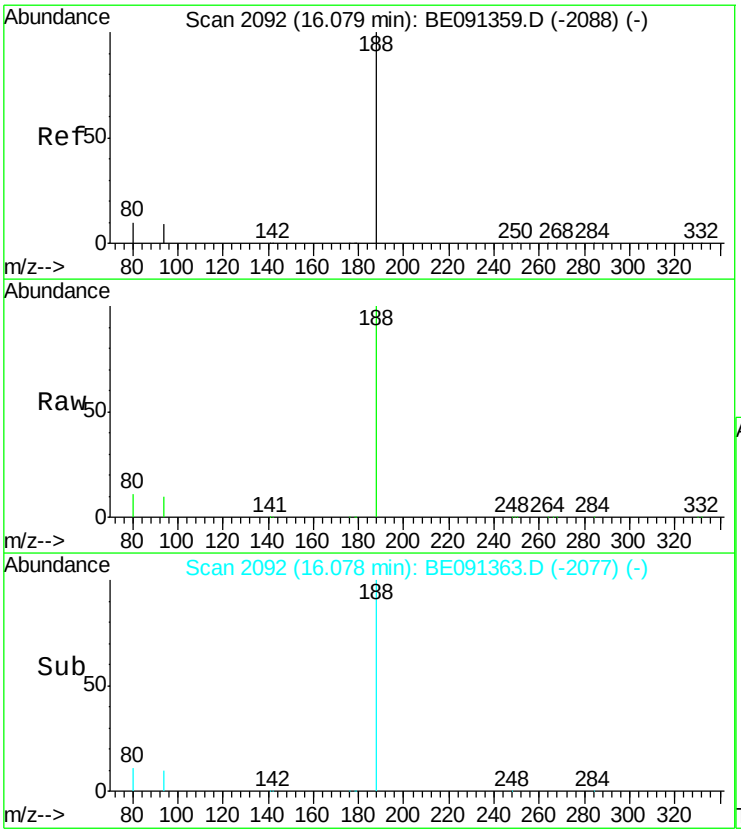
#13
Fluorene
Concen: 1.03 ng
RT: 14.41 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:166 Resp: 18117

Ion	Ratio	Lower	Upper
166	100		
165	100.1	83.0	124.6
167	13.1	11.1	16.7

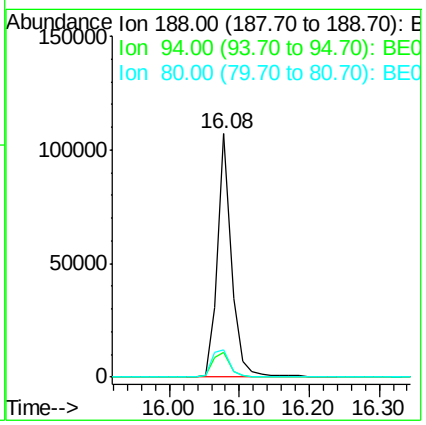


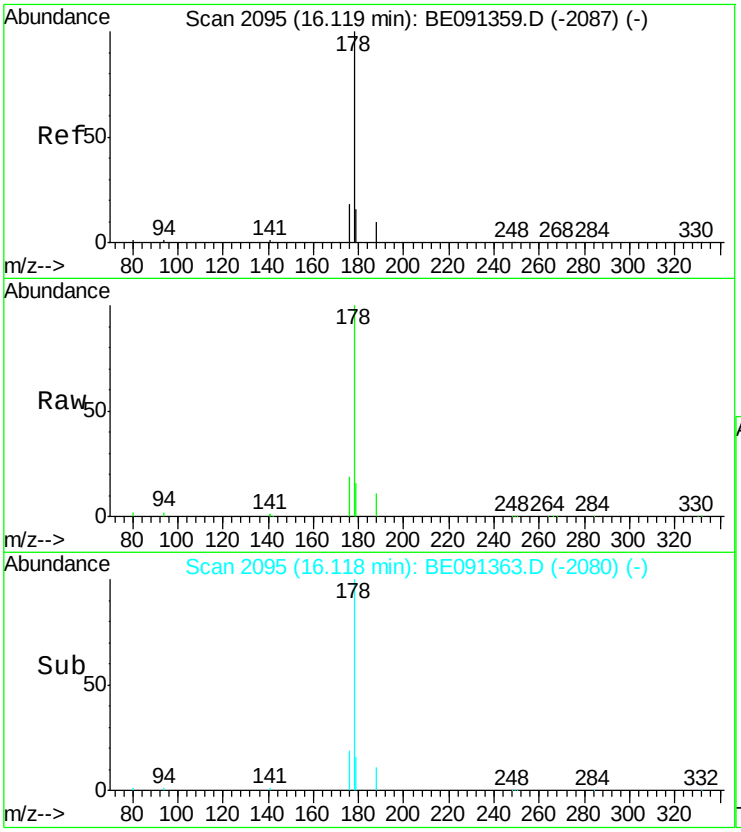


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.08 min Scan# 2092
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:188 Resp: 150068

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.5	11.3
80	11.4	8.2	12.2



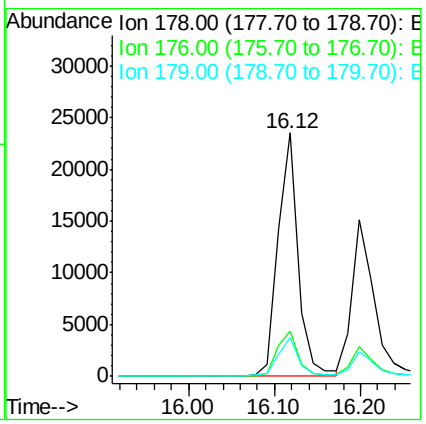


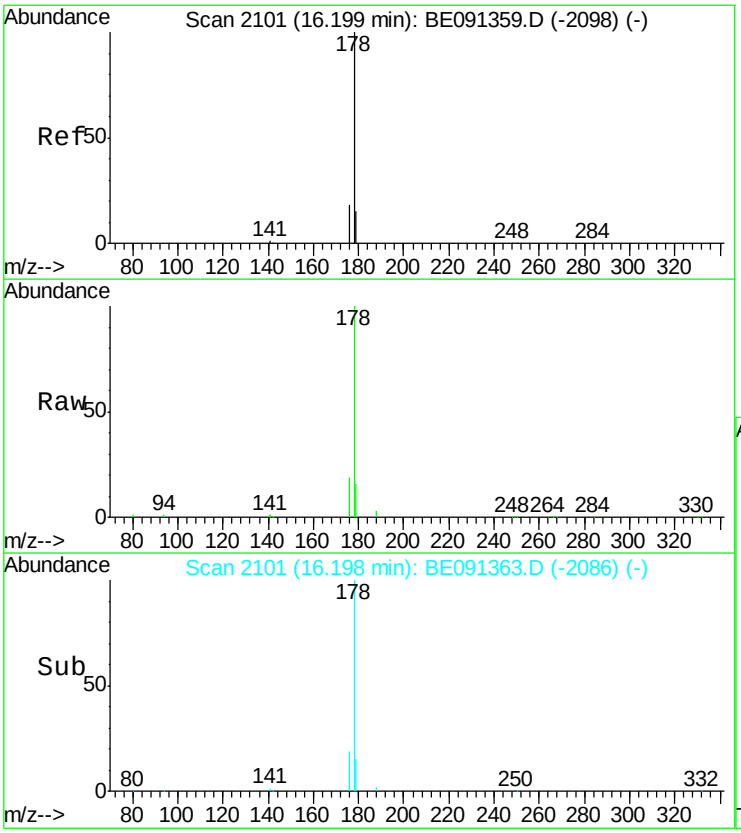
#15
Phenanthrene
Concen: 1.01 ng
RT: 16.12 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:178 Resp: 37669

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.9	12.8	19.2

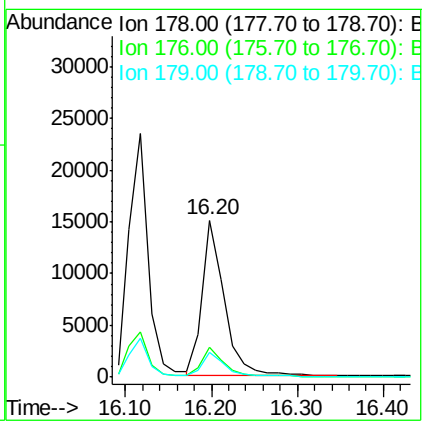


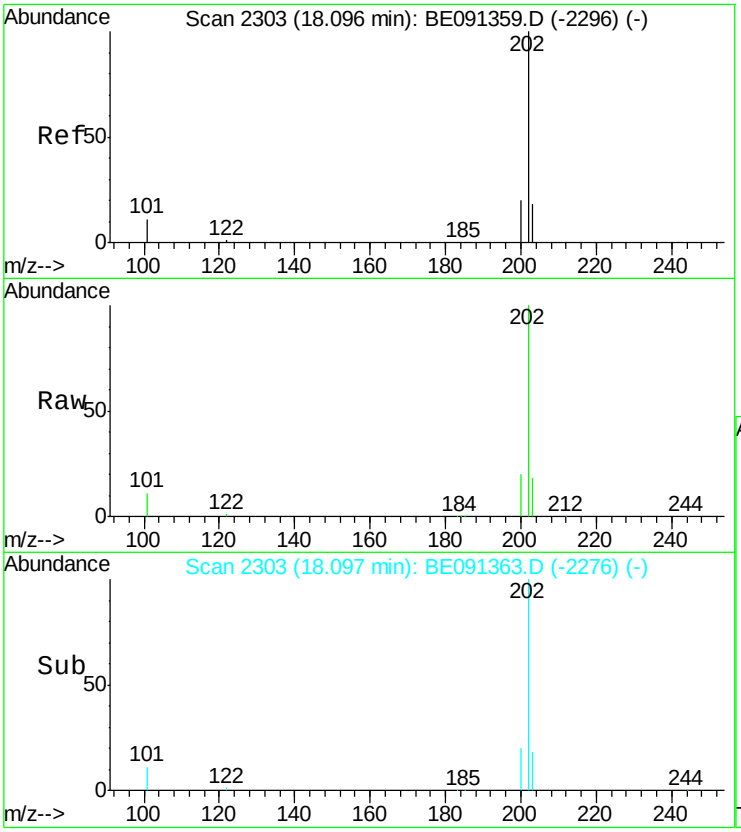


#16
Anthracene
Concen: 0.96 ng
RT: 16.20 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:178 Resp: 27145

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.5	12.4	18.6



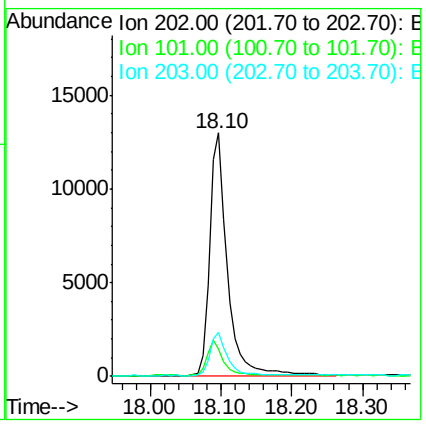


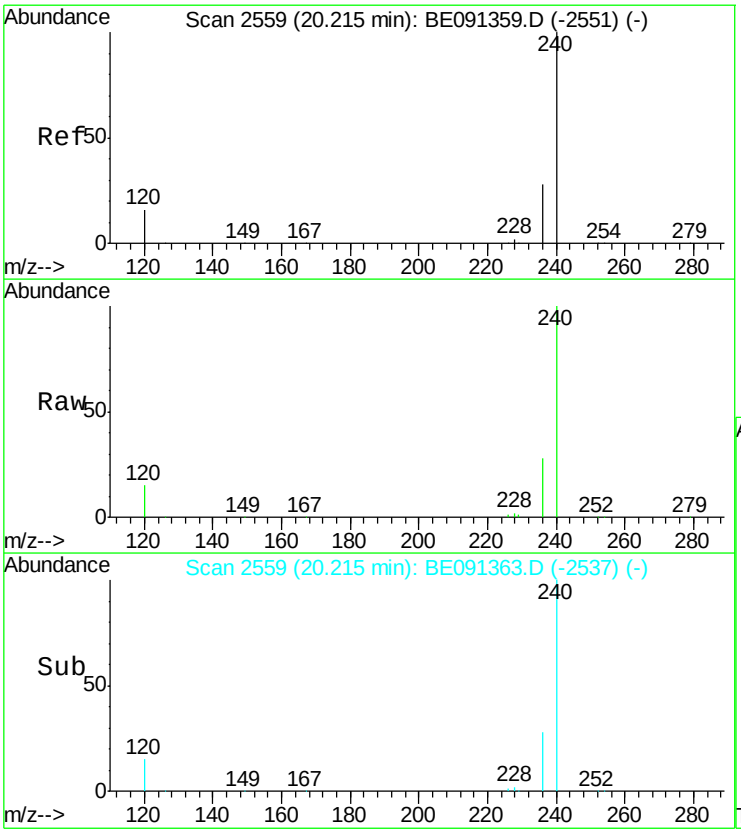
#17
Fluoranthene
Concen: 0.81 ng
RT: 18.10 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:202 Resp: 22231

Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.0	16.4
203	17.4	13.9	20.9

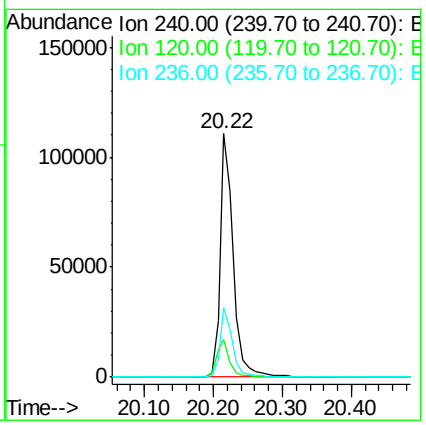


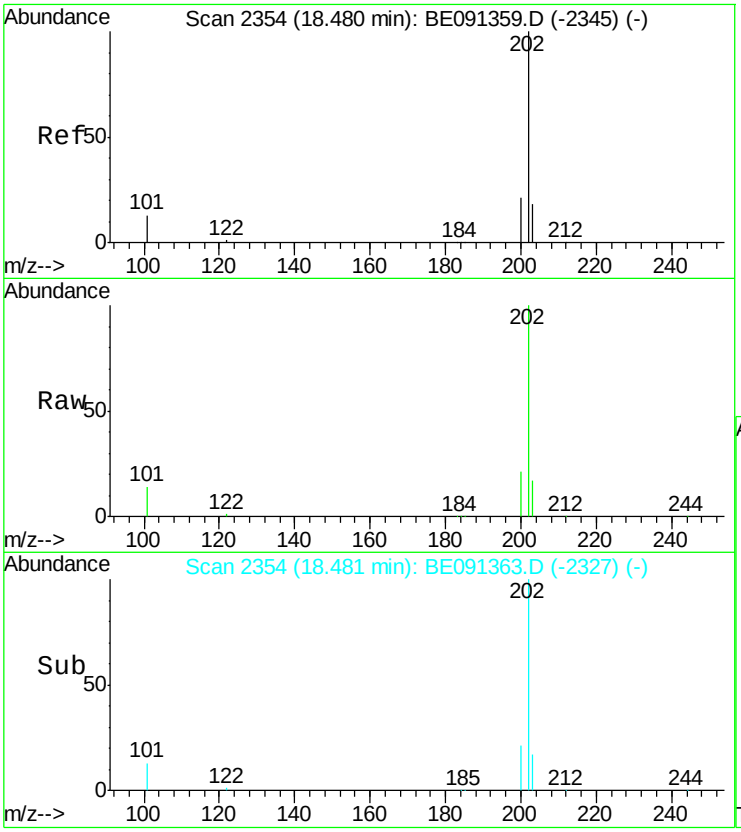


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.22 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:240 Resp: 146748

Ion	Ratio	Lower	Upper
240	100		
120	15.3	12.6	19.0
236	28.5	22.7	34.1



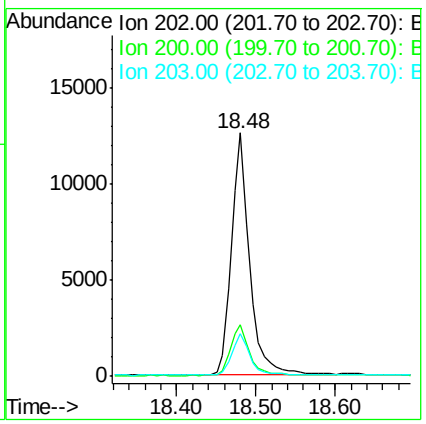


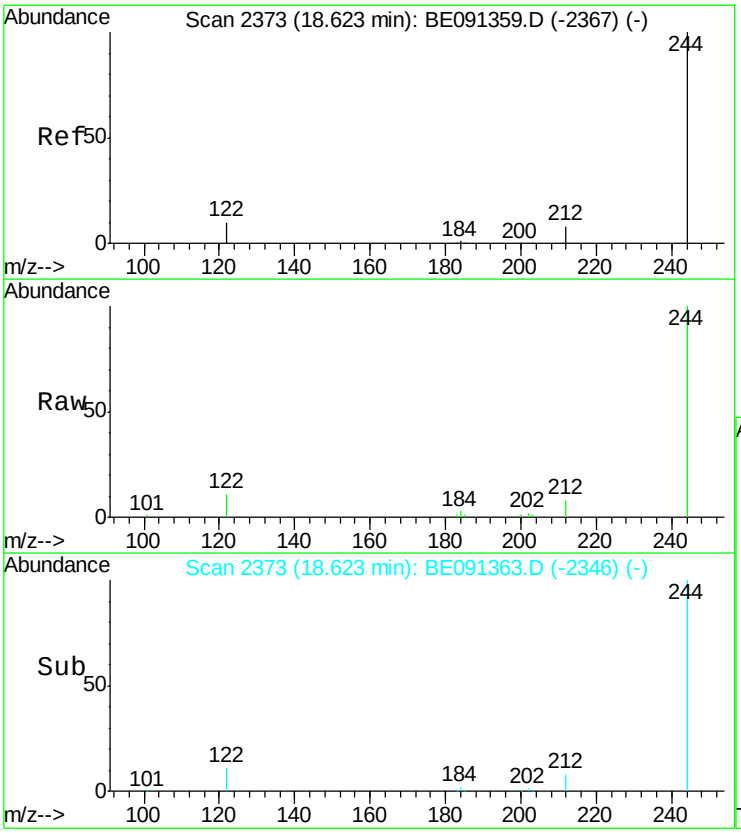
#19
Pyrene
Concen: 0.91 ng
RT: 18.48 min Scan# 2354
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:202 Resp: 20101

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.5	14.2	21.4

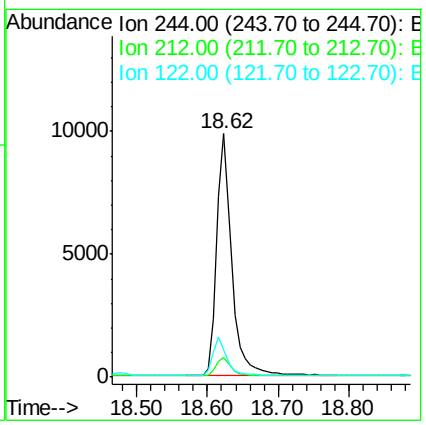


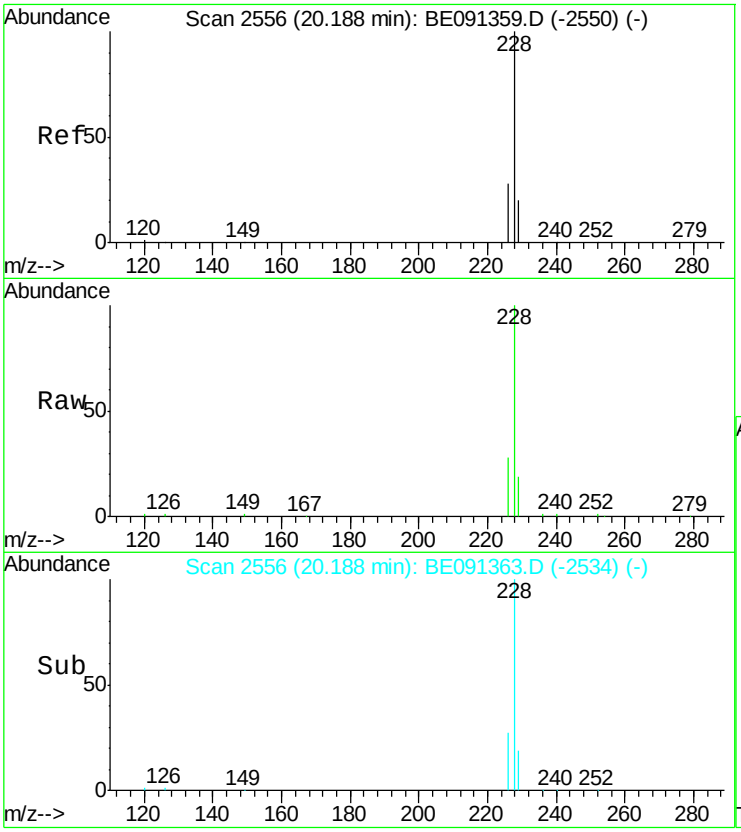


#20
Terphenyl-d14
Concen: 0.96 ng
RT: 18.62 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:244 Resp: 14413

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.0	10.4
122	11.4	8.5	12.7



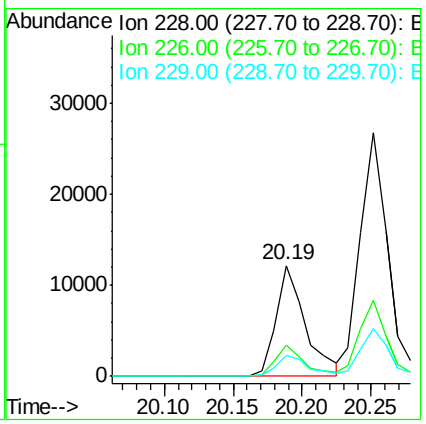


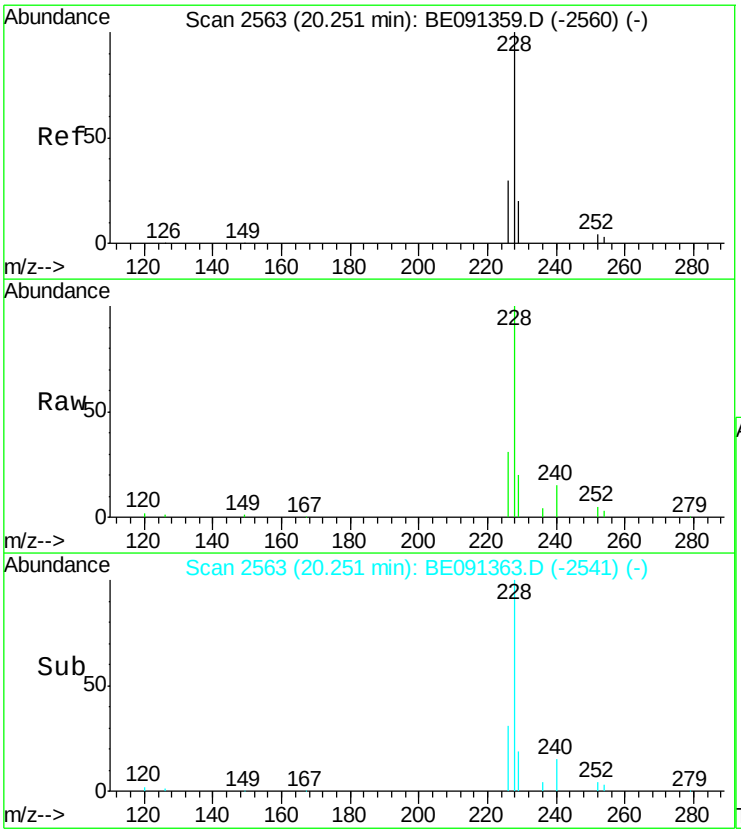
#21
Benzo(a)anthracene
Concen: 0.90 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:228 Resp: 17787

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	19.2	16.2	24.4

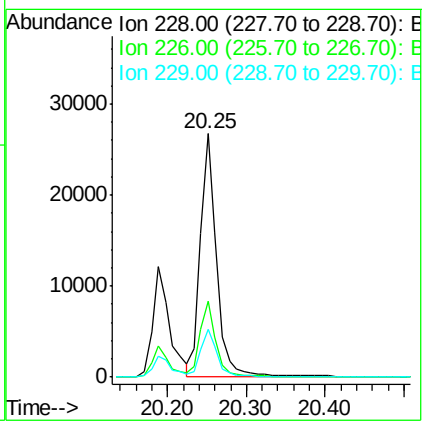


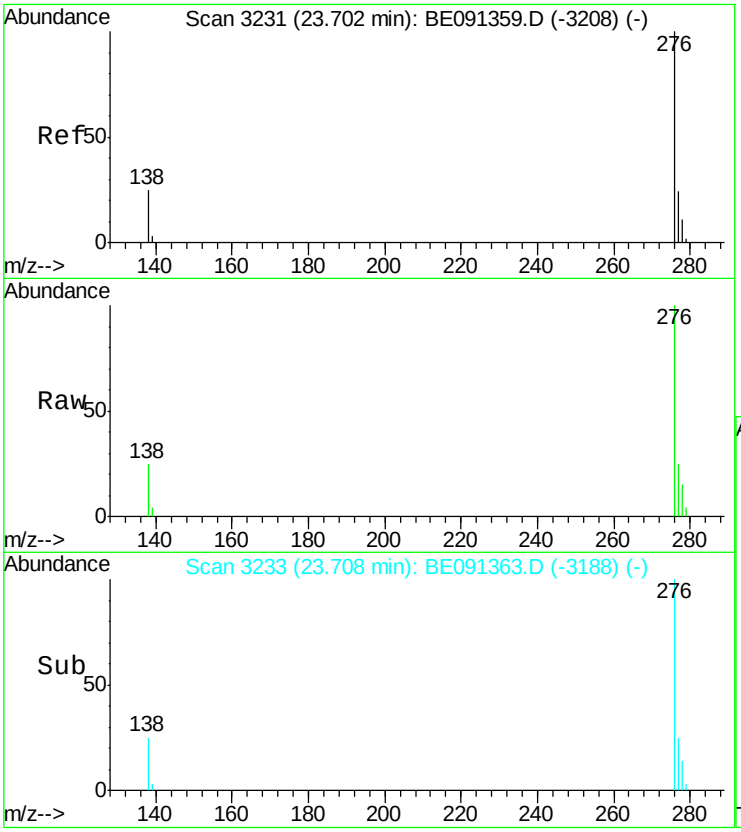


#22
Chrysene
Concen: 1.06 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:228 Resp: 37825

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.7	35.5
229	19.6	16.0	24.0



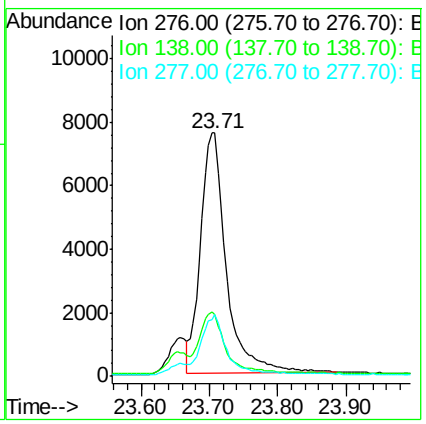


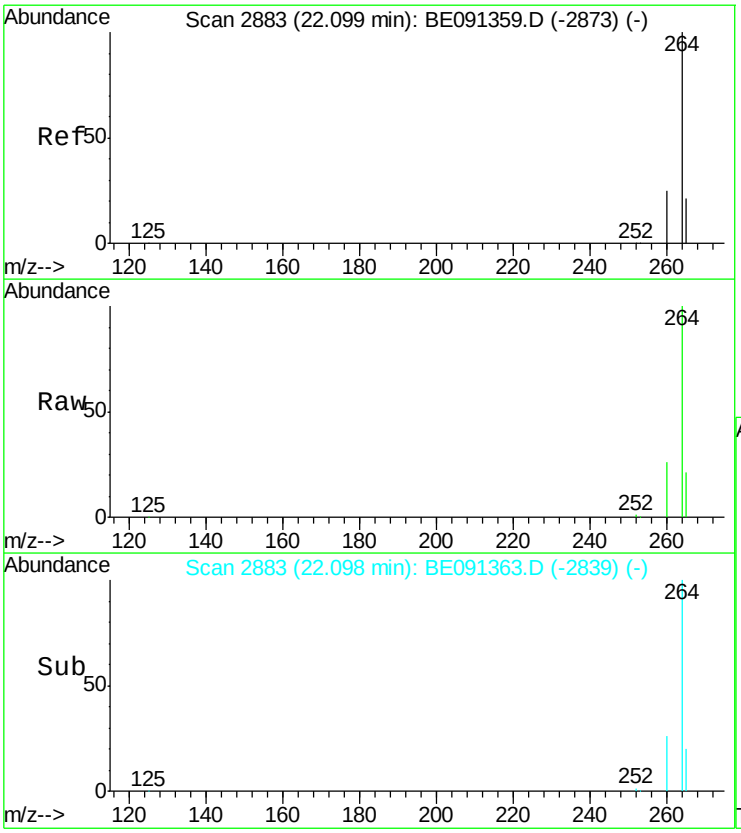
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.87 ng
RT: 23.71 min Scan# 3233
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:276 Resp: 19931

Ion	Ratio	Lower	Upper
276	100		
138	25.7	18.6	27.8
277	23.8	16.5	24.7

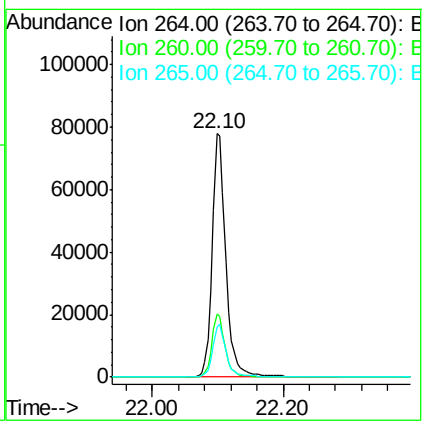


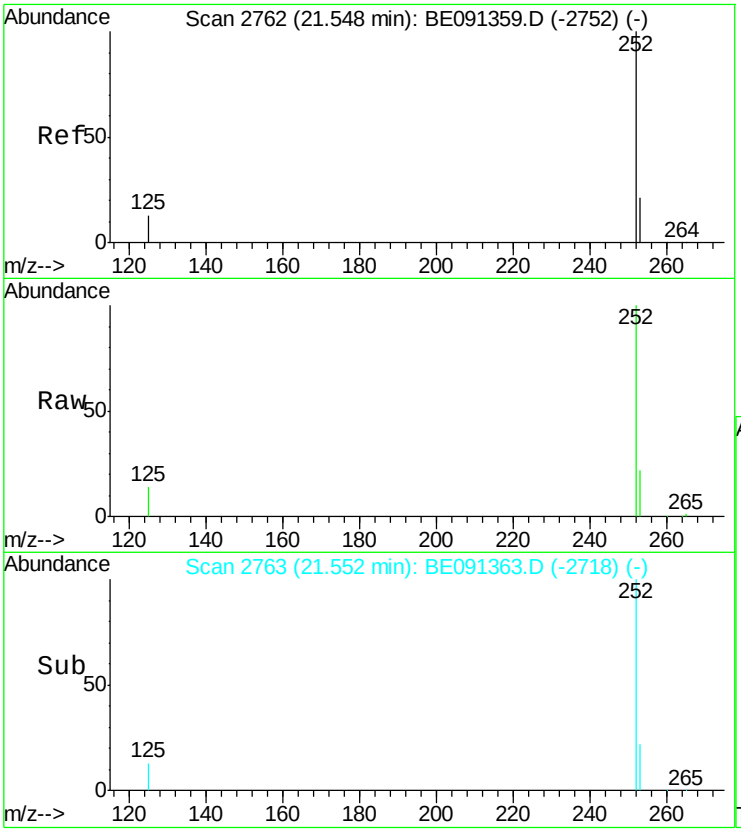


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:264 Resp: 111950

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.4	30.6
265	20.7	17.2	25.8



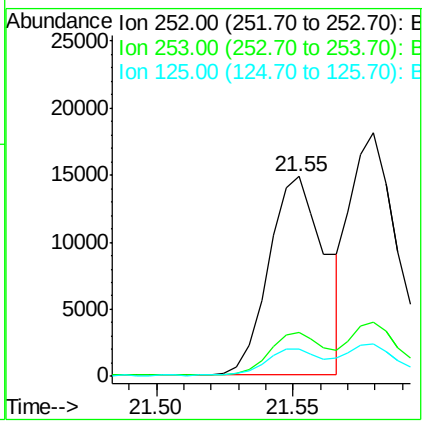


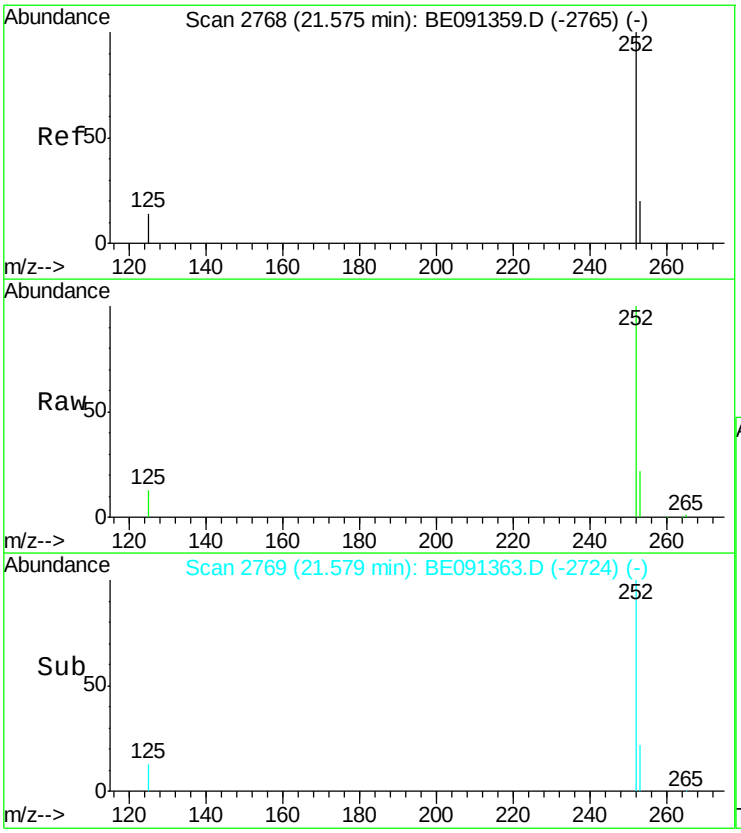
#25
Benzo(b)fluoranthene
Concen: 0.99 ng
RT: 21.55 min Scan# 2763
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:252 Resp: 21320

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	13.7	11.0	16.6

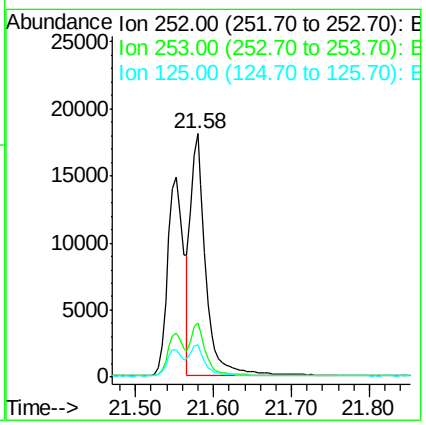


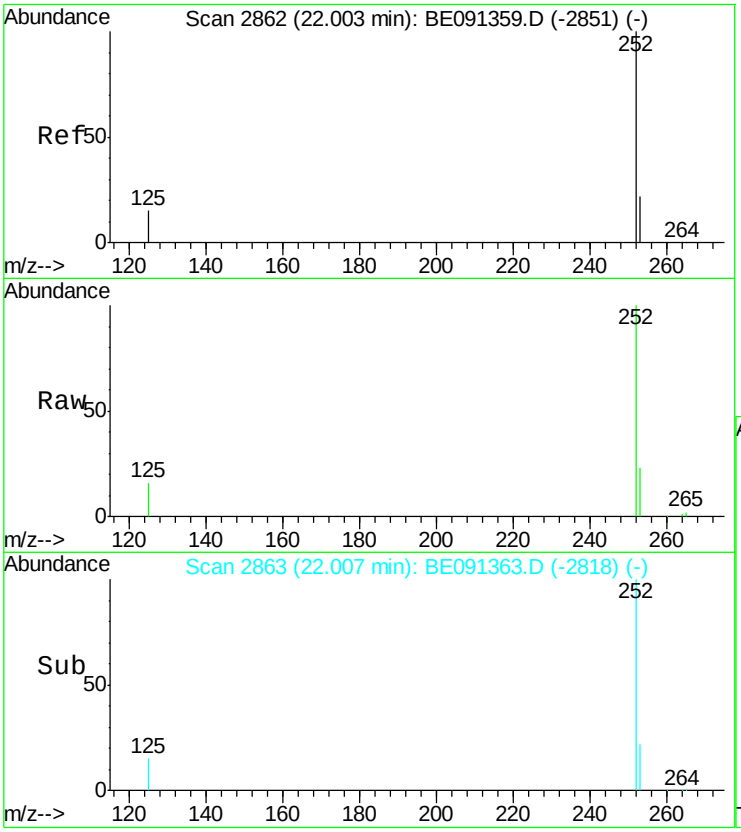


#26
Benzo(k)fluoranthene
Concen: 0.98 ng
RT: 21.58 min Scan# 2769
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:252 Resp: 24133

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	13.2	11.3	16.9



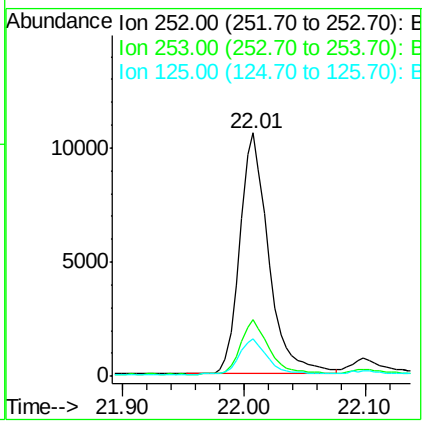


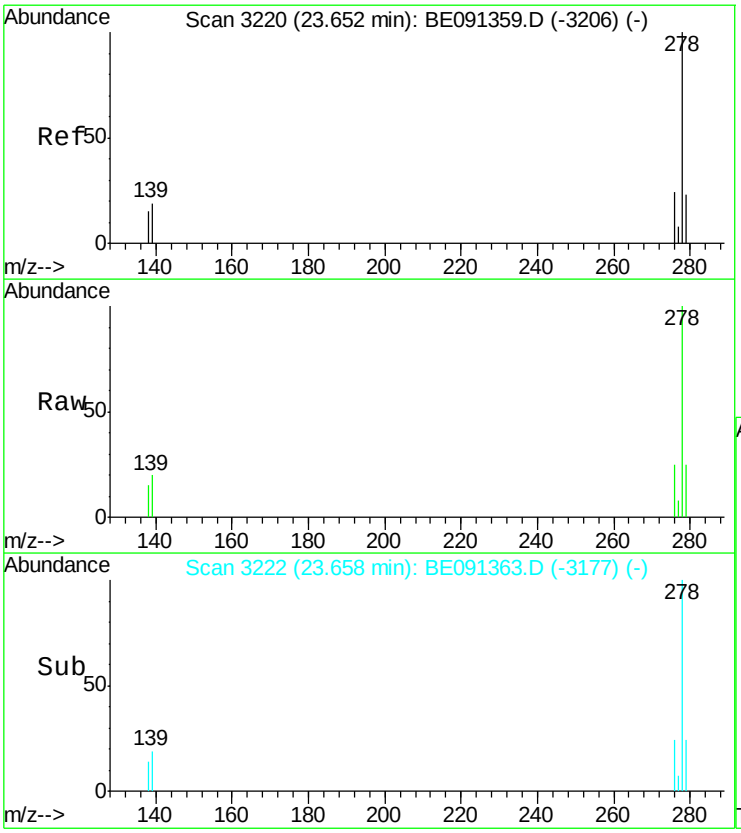
#27
Benzo(a)pyrene
Concen: 0.86 ng
RT: 22.01 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:252 Resp: 17356

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.6	12.2	18.4

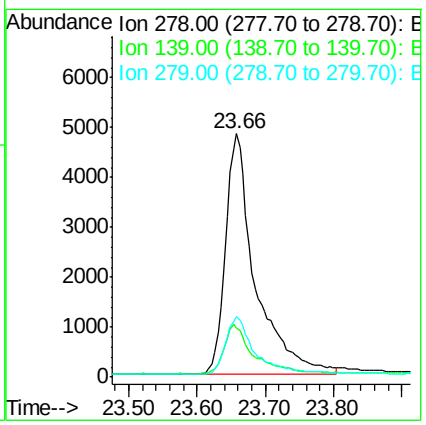


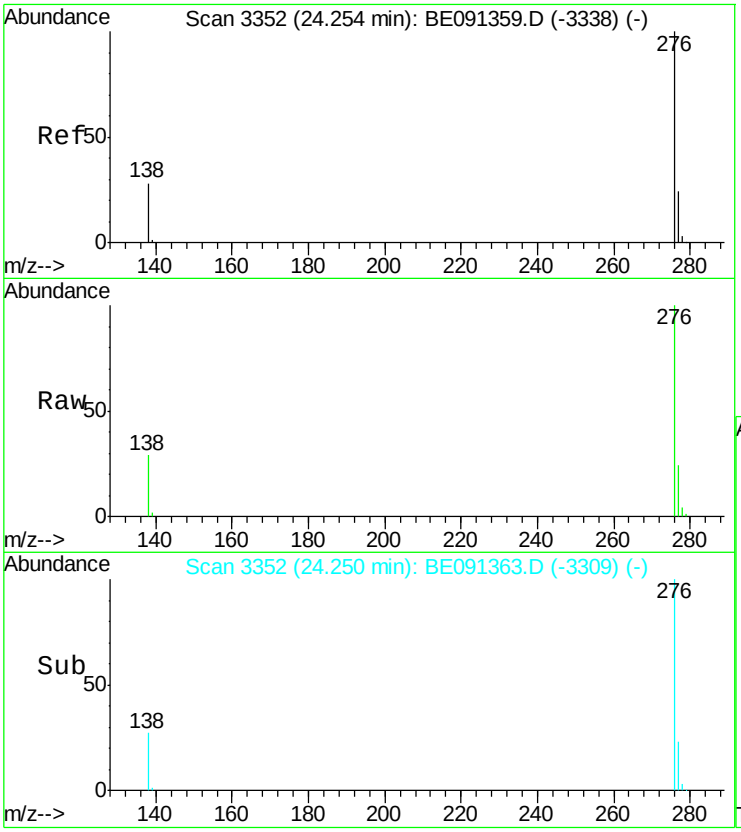


#28
Dibenzo(a,h)anthracene
Concen: 0.97 ng
RT: 23.66 min Scan# 3222
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion:278 Resp: 14612

Ion	Ratio	Lower	Upper
278	100		
139	20.4	16.3	24.5
279	24.7	19.4	29.2





#29
Benzo(g,h,i)perylene
Concen: 0.95 ng
RT: 24.25 min Scan# 3352
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion:276 Resp: 17805

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.6
138	28.5	23.3	34.9