Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011516\
Data File : BE091372.D
Acq On : 15 Jan 2016 9:38
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC001

Quant Time: Jan 16 05:03:17 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 15 15:14:26 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	24505	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	115297	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	58647	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	153229	5.00	ng	0.00
18) Chrysene-d12	20.21	240	171303	5.00	ng	0.00
24) Perylene-d12	22.10	264	145004	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.93	112	4130	1.50	ng	-0.01
3) Phenol-d6	6.56	99	5168	1.17	ng	0.00
5) Nitrobenzene-d5	8.16	82	6654	0.98	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	1169	1.03	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	13692	1.03	ng	0.00
20) Terphenyl-d14	18.62	244	18626	1.03	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.59	128	24885	1.01	ng	100
7) 2-Methylnaphthalene	11.12	142	10418	1.01	ng	95
11) Acenaphthylene	13.10	152	83571	0.99	ng	100
12) Acenaphthene	13.42	154	16292	0.98	ng	83
13) Fluorene	14.40	166	19921	0.97	ng	97
15) Phenanthrene	16.11	178	39336	1.04	ng	100
16) Anthracene	16.20	178	30447	1.03	ng	100
17) Fluoranthene	18.10	202	31910	1.03	ng	99
19) Pyrene	18.48	202	27676	1.00	ng	99
21) Benzo(a)anthracene	20.19	228	26321	1.04	ng	99
22) Chrysene	20.25	228	42168	1.01	ng	99
23) Indeno(1,2,3-cd)pyrene	23.70	276	28185	0.98	ng	96
25) Benzo(b)fluoranthene	21.55	252	28966	1.03	ng	100
26) Benzo(k)fluoranthene	21.57	252	34388	1.05	ng	99
27) Benzo(a)pyrene	22.00	252	26520	0.97	ng	98
28) Dibenzo(a,h)anthracene	23.65	278	23065	1.08	ng	100
29) Benzo(g,h,i)perylene	24.25	276	27457	1.06	ng	98

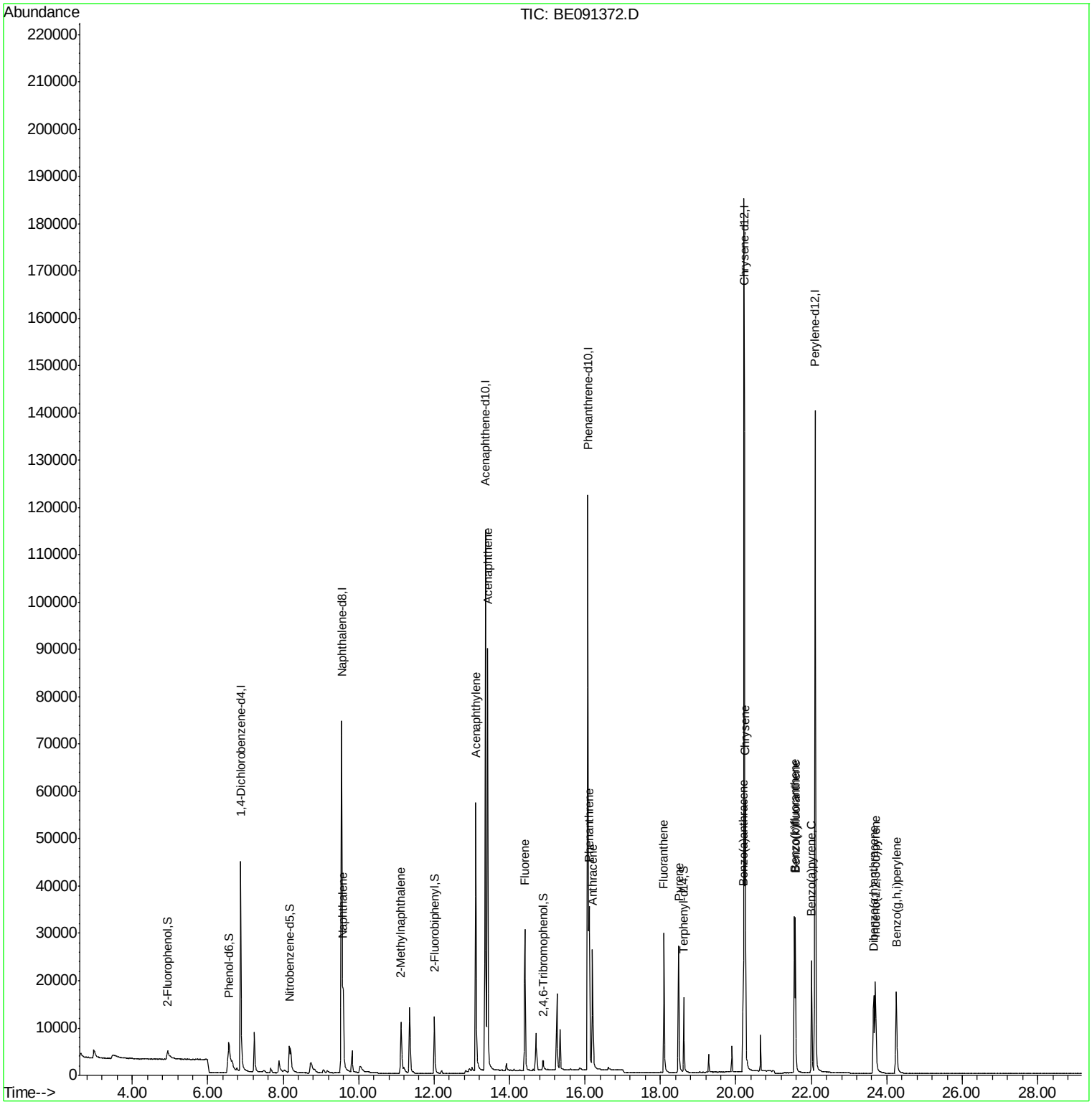
(#) = qualifier out of range (m) = manual integration (+) = signals summed

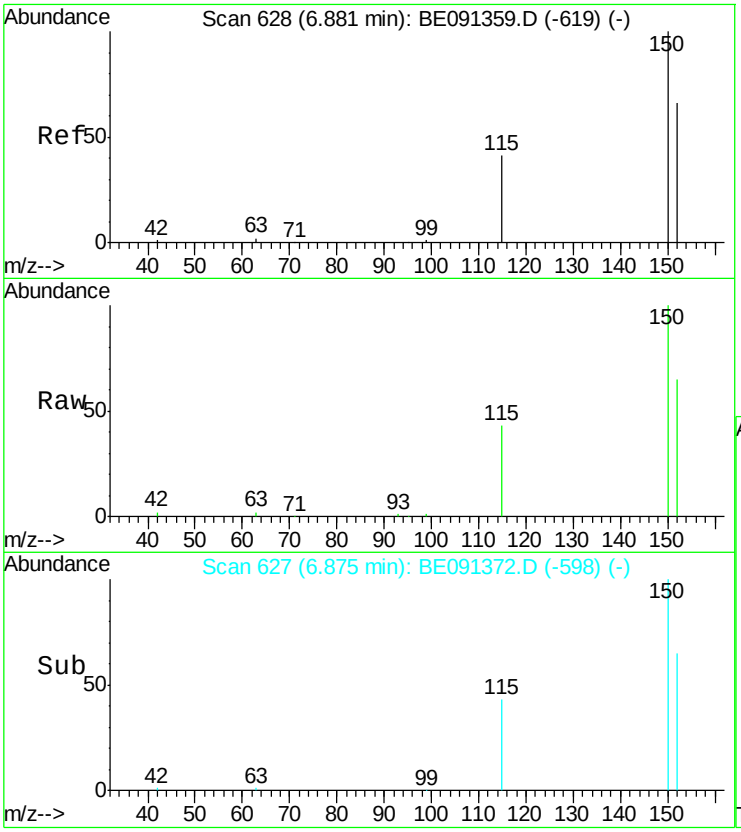
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011516\
Data File : BE091372.D
Acq On : 15 Jan 2016 9:38
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Quant Time: Jan 16 05:03:17 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 15 15:14:26 2016
Response via : Initial Calibration



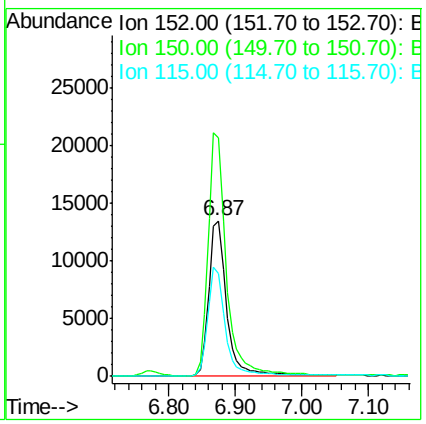


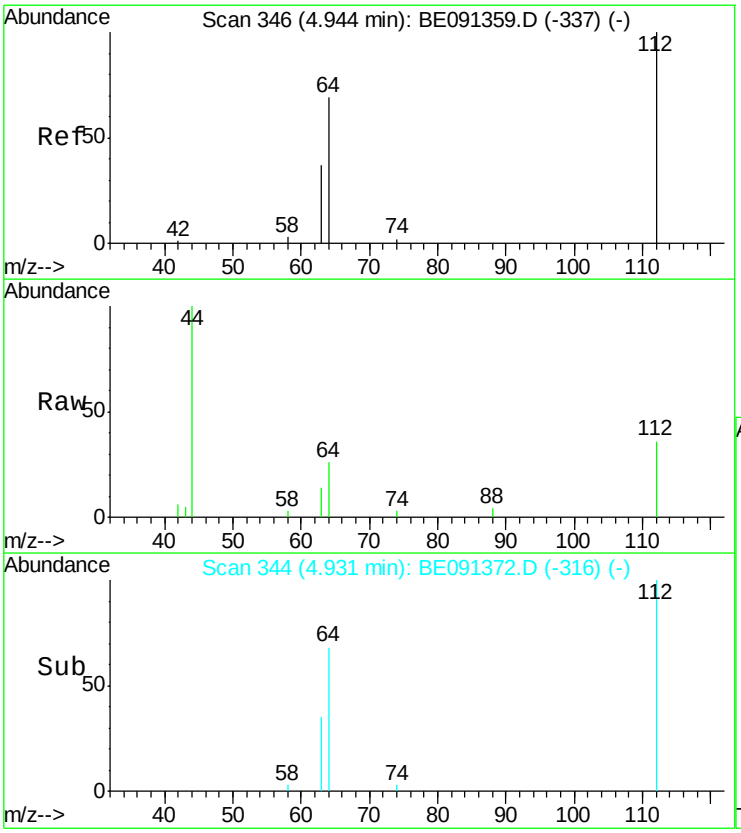
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 627
Delta R.T. -0.01 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:152 Resp: 24505

Ion	Ratio	Lower	Upper
152	100		
150	153.1	121.6	182.4
115	65.8	50.6	75.8

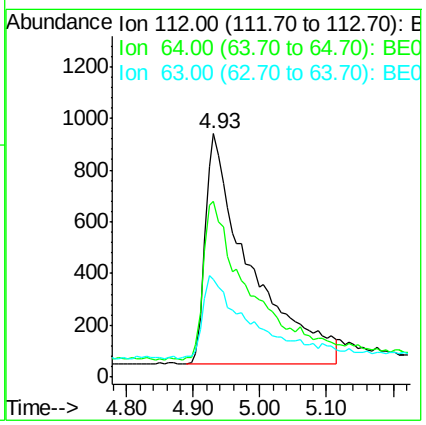


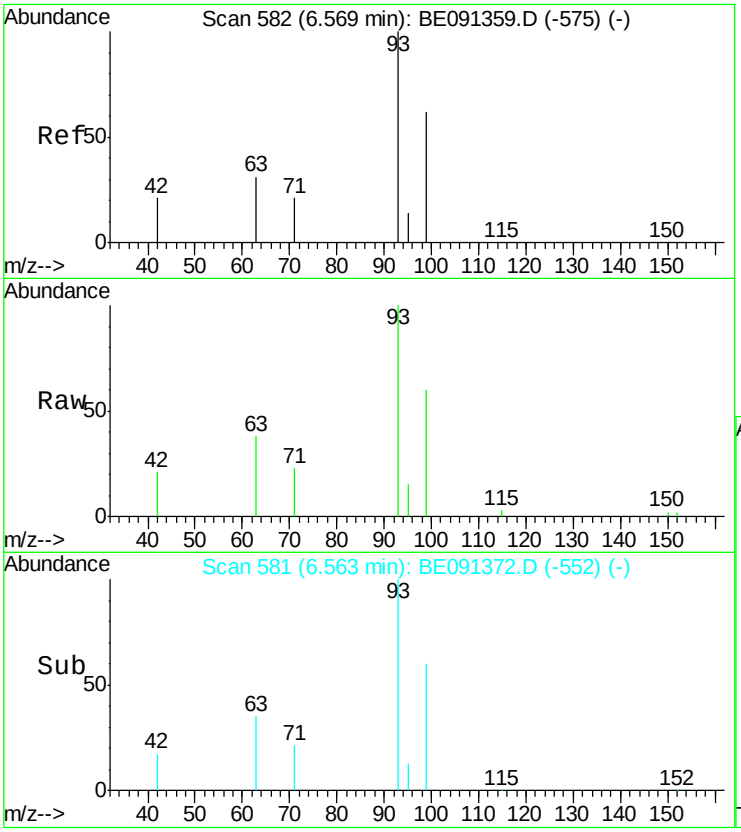


#2
2-Fluorophenol
Concen: 1.50 ng
RT: 4.93 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:112 Resp: 4130

Ion	Ratio	Lower	Upper
112	100		
64	72.2	57.4	86.0
63	37.3	32.2	48.2



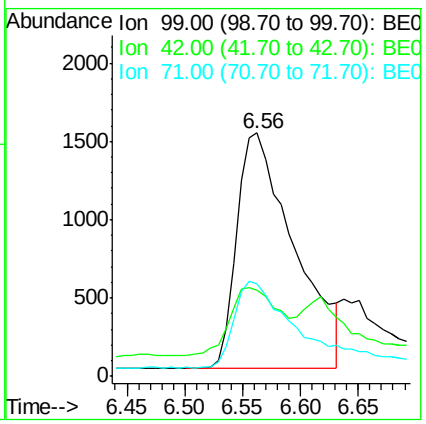


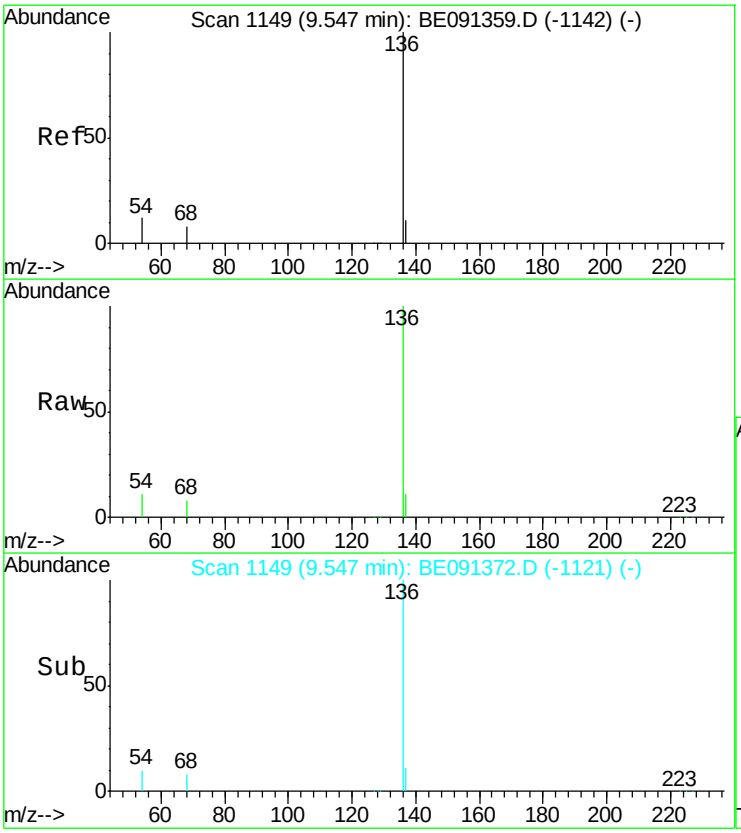
#3
Phenol-d6
Concen: 1.17 ng
RT: 6.56 min Scan# 581
Delta R.T. -0.01 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion: 99 Resp: 5168

Ion	Ratio	Lower	Upper
99	100		
42	24.2	22.9	34.3
71	45.0	35.4	53.2

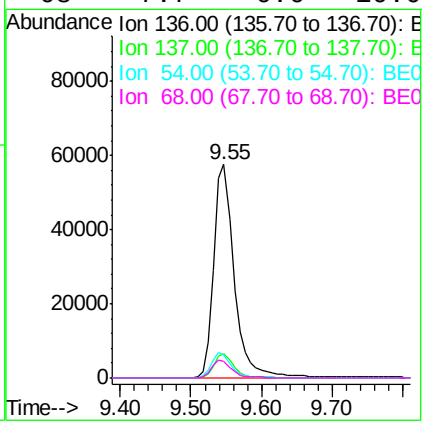


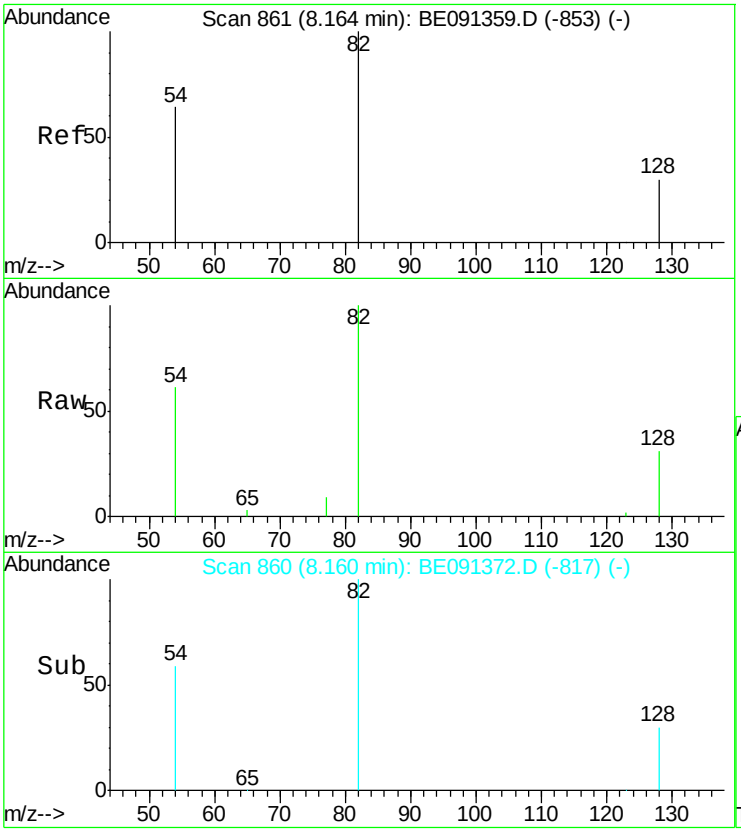


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.55 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:136 Resp: 115297

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.6	9.8	14.6
68	7.7	6.6	10.0



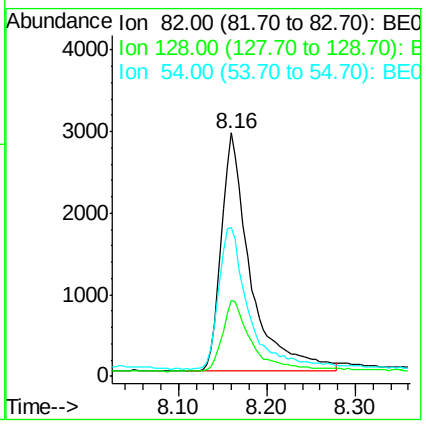


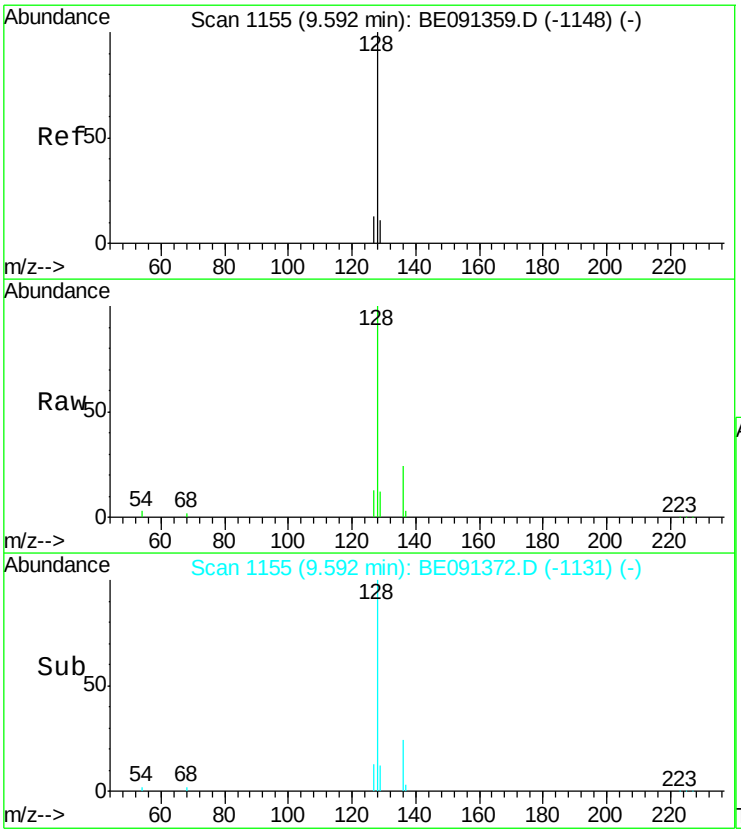
#5
Nitrobenzene-d5
Concen: 0.98 ng
RT: 8.16 min Scan# 860
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion: 82 Resp: 6654

Ion	Ratio	Lower	Upper
82	100		
128	31.4	24.6	36.8
54	61.1	52.7	79.1

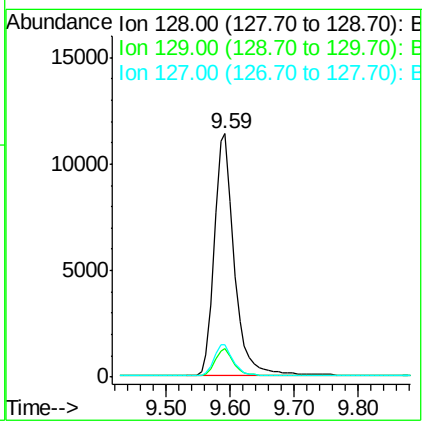


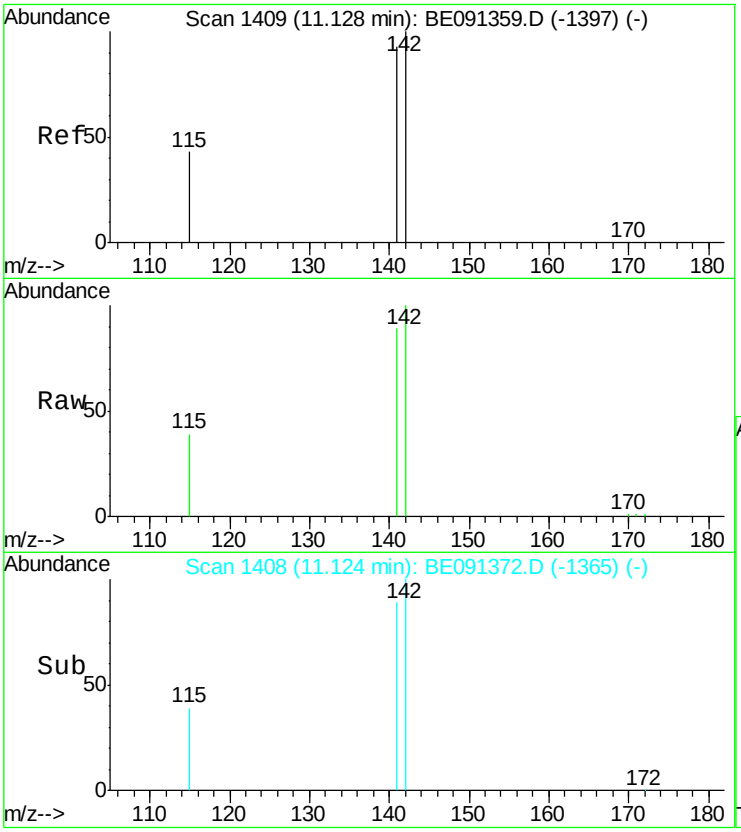


#6
Naphthalene
Concen: 1.01 ng
RT: 9.59 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:128 Resp: 24885

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.3	10.6	15.8



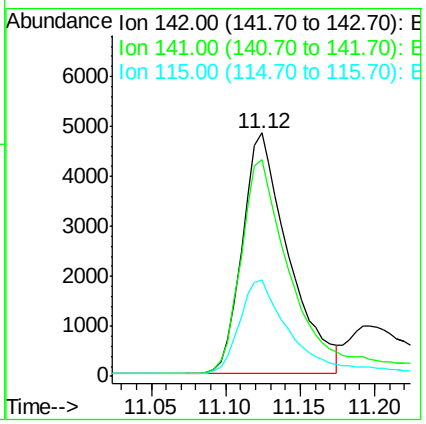


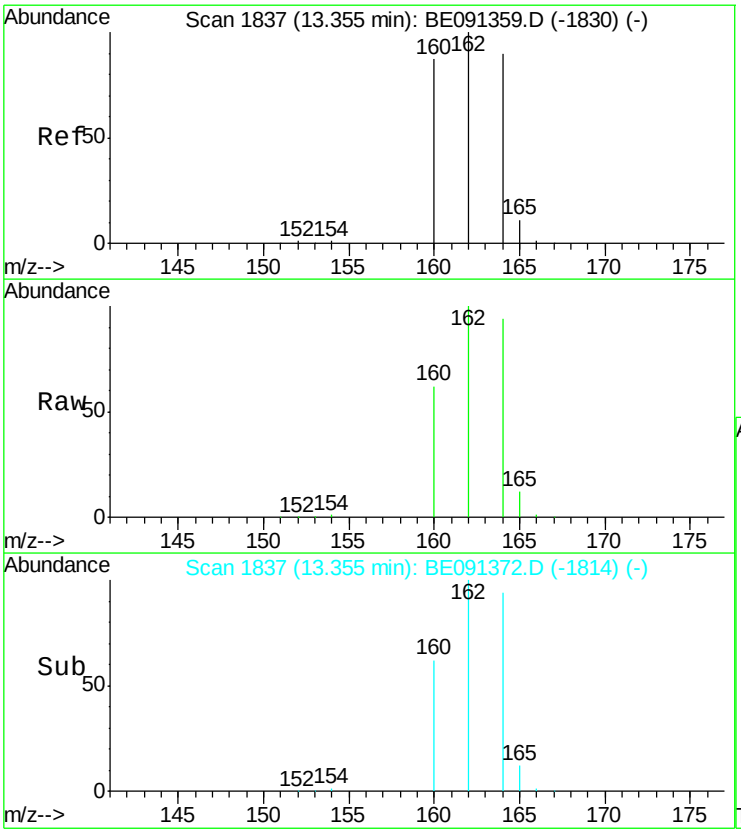
#7
2-Methylnaphthalene
Concen: 1.01 ng
RT: 11.12 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:142 Resp: 10418

Ion	Ratio	Lower	Upper
142	100		
141	89.2	74.5	111.7
115	39.4	35.2	52.8

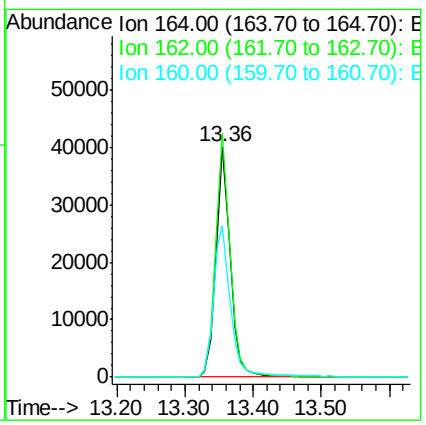


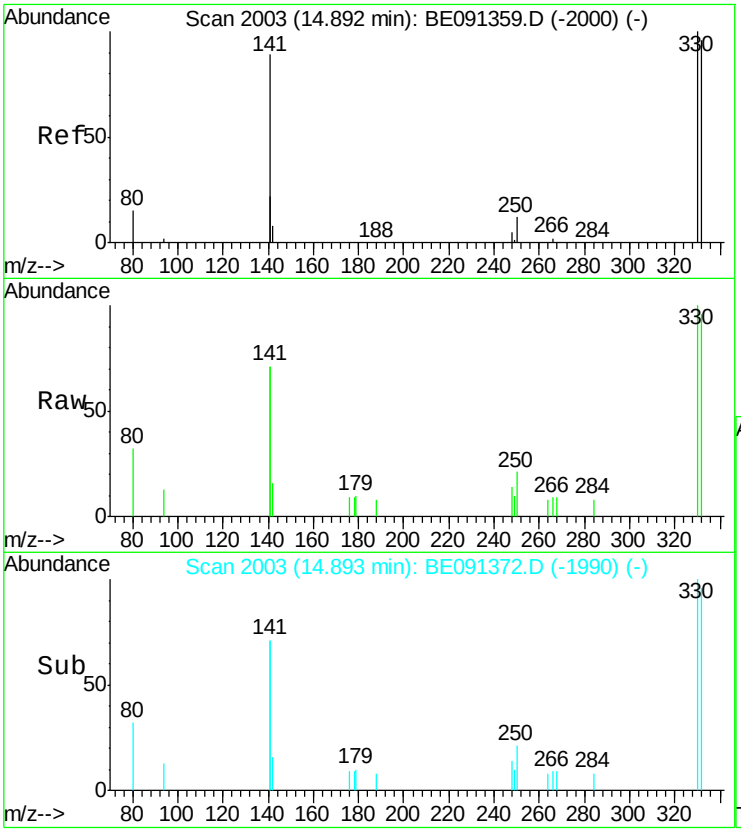


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.36 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:164 Resp: 58647

Ion	Ratio	Lower	Upper
164	100		
162	105.9	88.5	132.7
160	65.7	76.7	115.1#



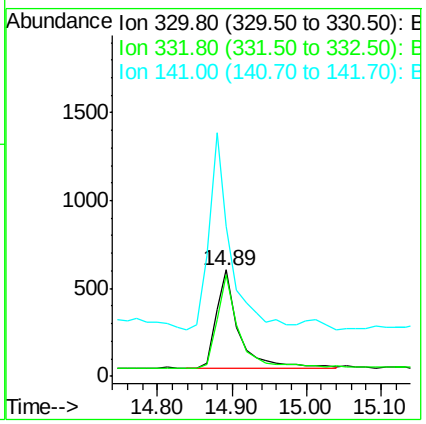


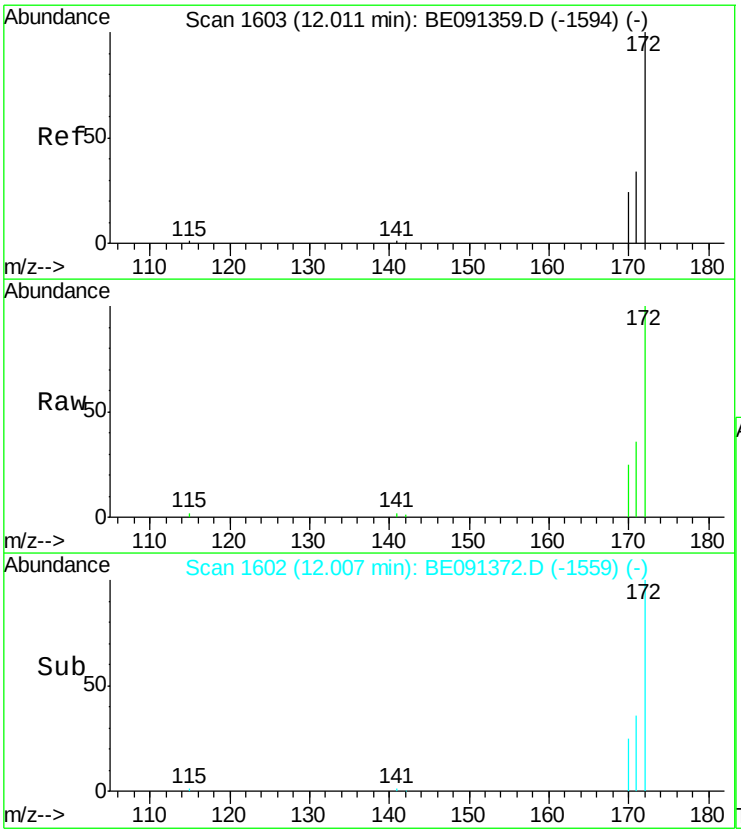
#9
2,4,6-Tribromophenol
Concen: 1.03 ng
RT: 14.89 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:330 Resp: 1169

Ion	Ratio	Lower	Upper
330	100		
332	92.3	78.6	118.0
141	190.1	147.8	221.8

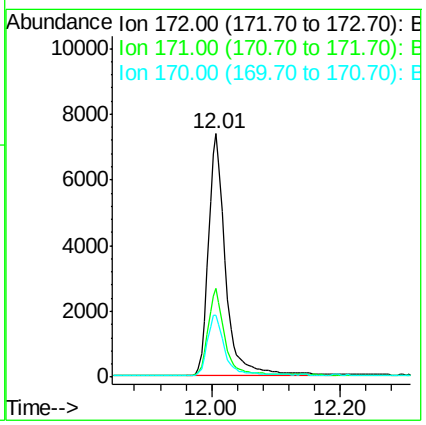


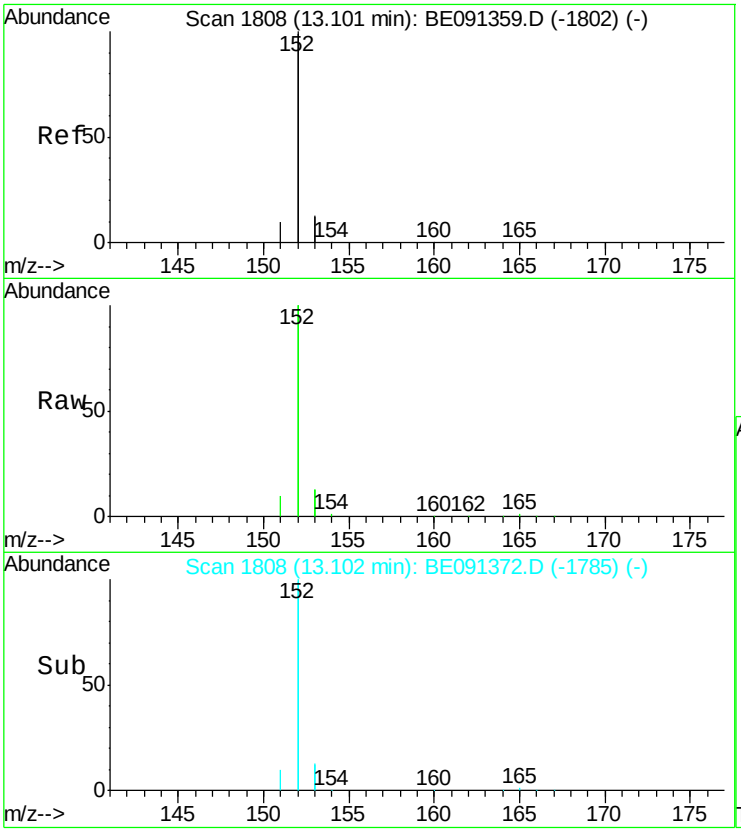


#10
2-Fluorobiphenyl
Concen: 1.03 ng
RT: 12.01 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:172 Resp: 13692

Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.3	40.9
170	25.4	19.8	29.6



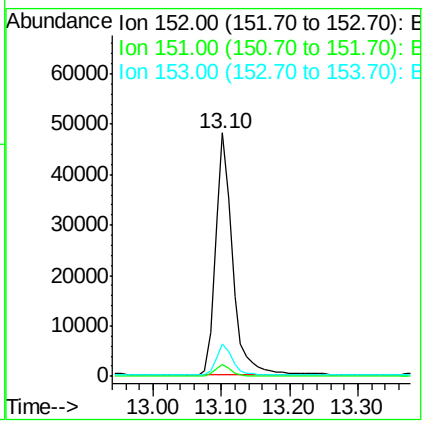


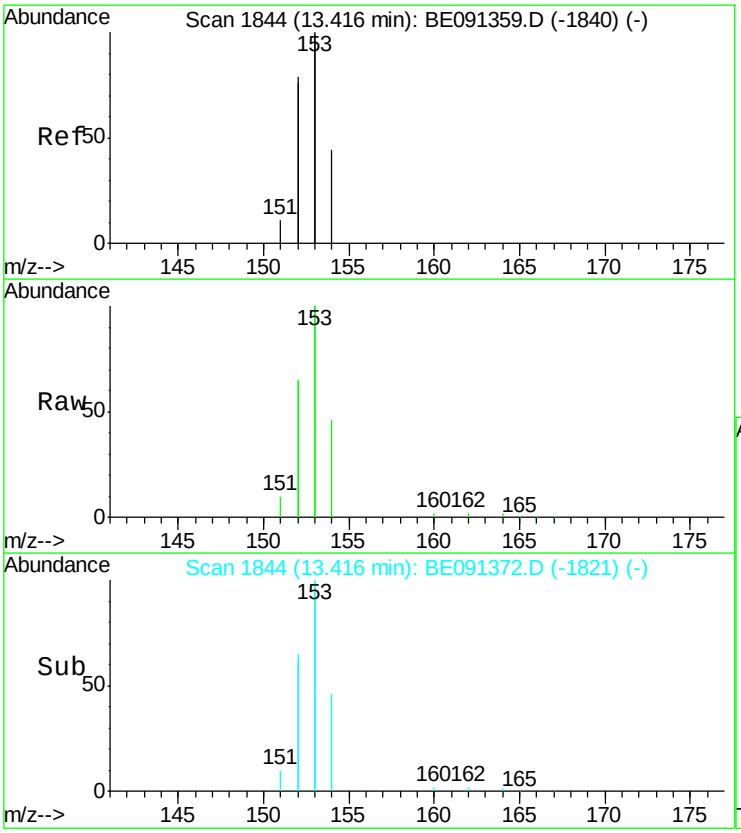
#11
Acenaphthylene
Concen: 0.99 ng
RT: 13.10 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:152 Resp: 83571

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.8
153	12.7	10.1	15.1

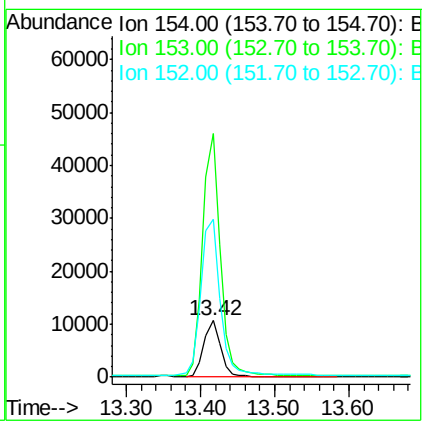


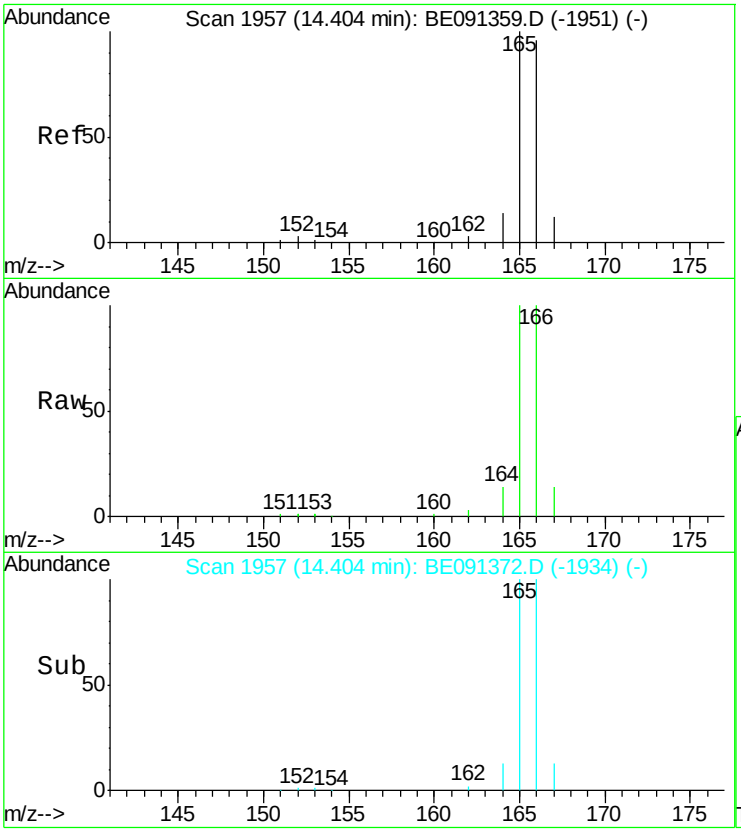


#12
Acenaphthene
Concen: 0.98 ng
RT: 13.42 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:154 Resp: 16292

Ion	Ratio	Lower	Upper
154	100		
153	450.4	370.2	555.4
152	317.1	310.5	465.7



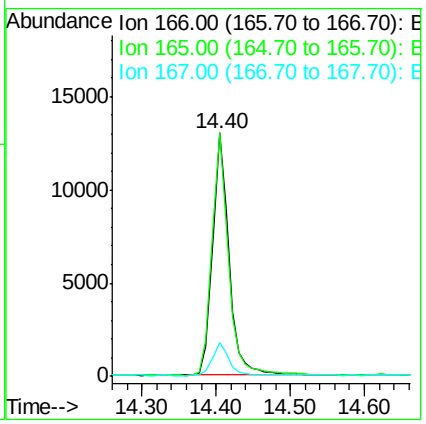


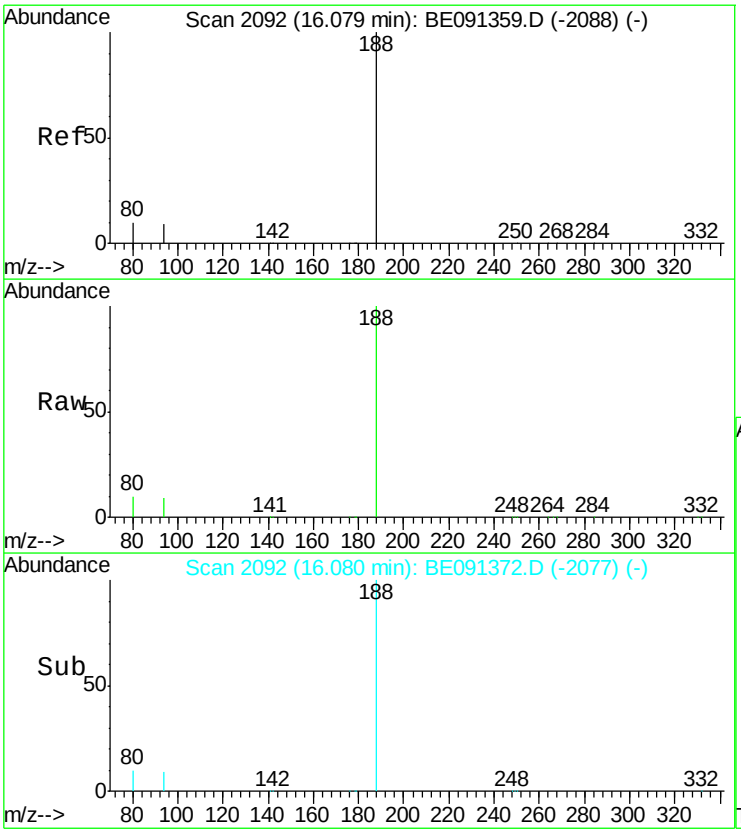
#13
Fluorene
Concen: 0.97 ng
RT: 14.40 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:166 Resp: 19921

Ion	Ratio	Lower	Upper
166	100		
165	101.0	83.0	124.6
167	13.7	11.1	16.7

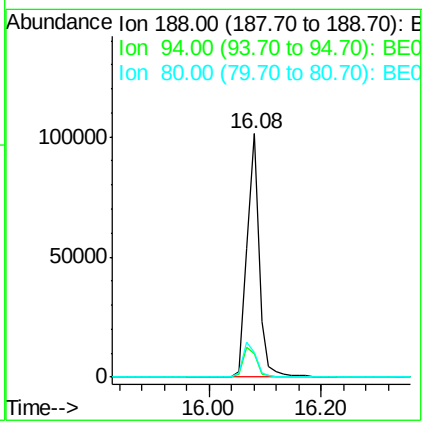


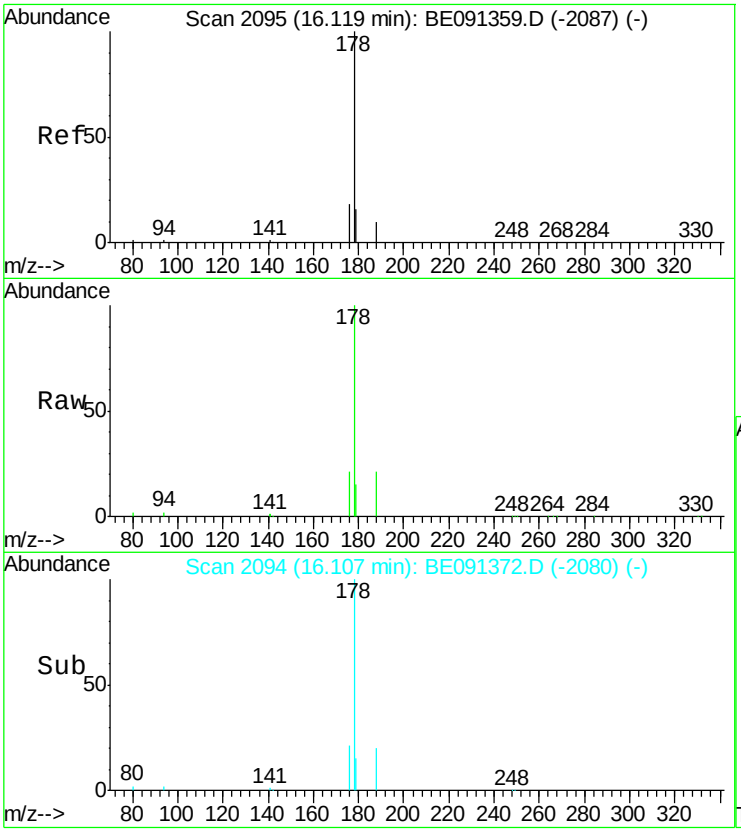


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.08 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:188 Resp: 153229

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	10.2	8.2	12.2



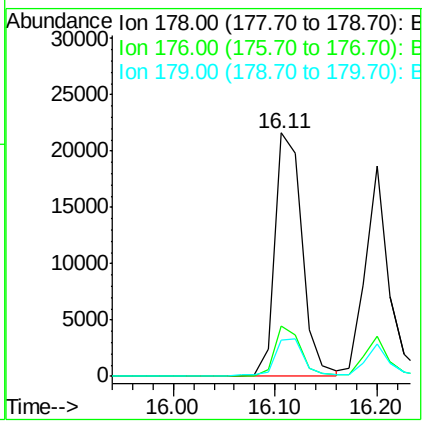


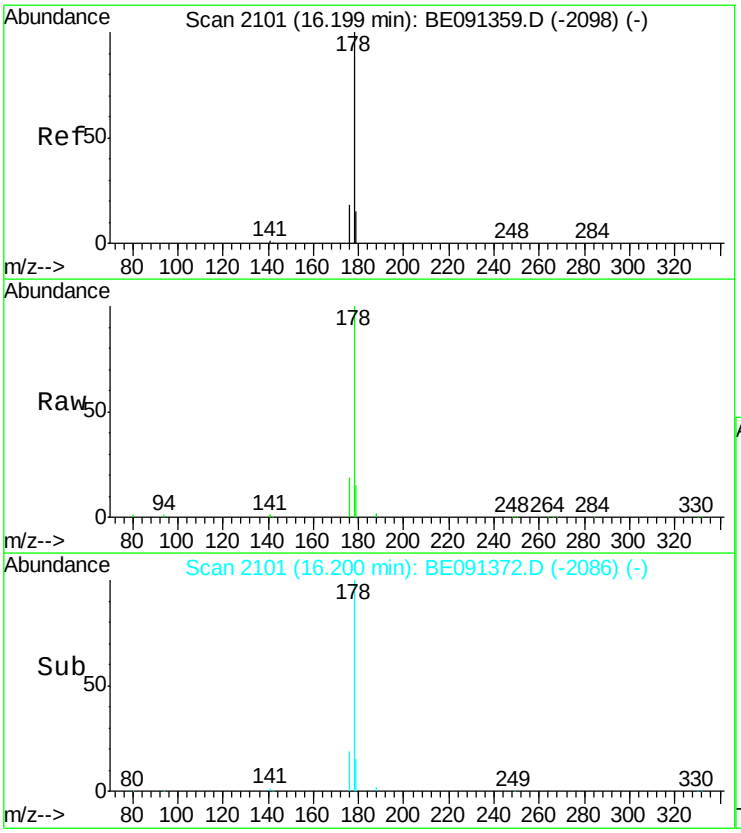
#15
Phenanthrene
Concen: 1.04 ng
RT: 16.11 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:178 Resp: 39336

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.0	12.8	19.2

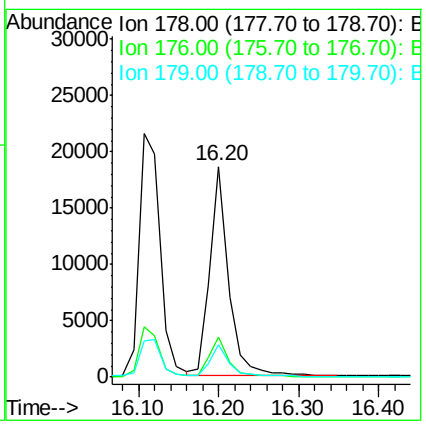


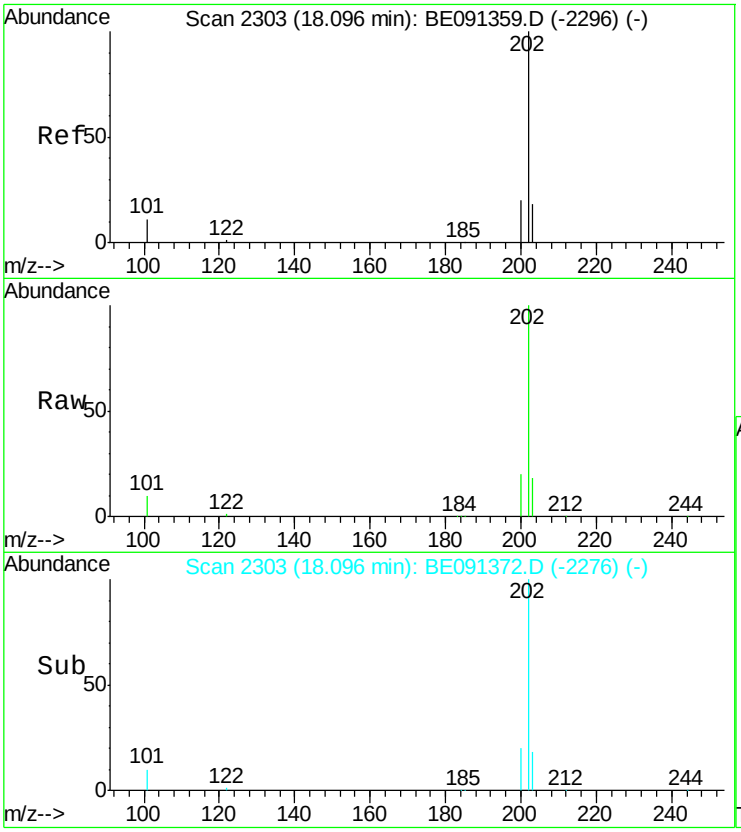


#16
Anthracene
Concen: 1.03 ng
RT: 16.20 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:178 Resp: 30447

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.3	12.4	18.6



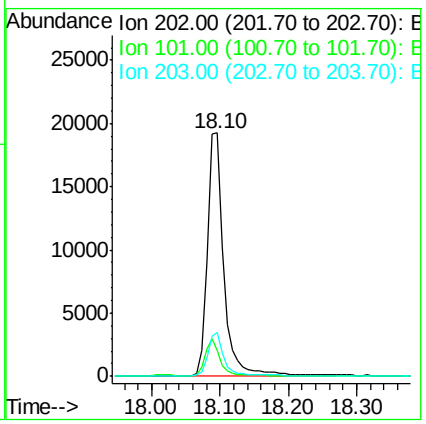


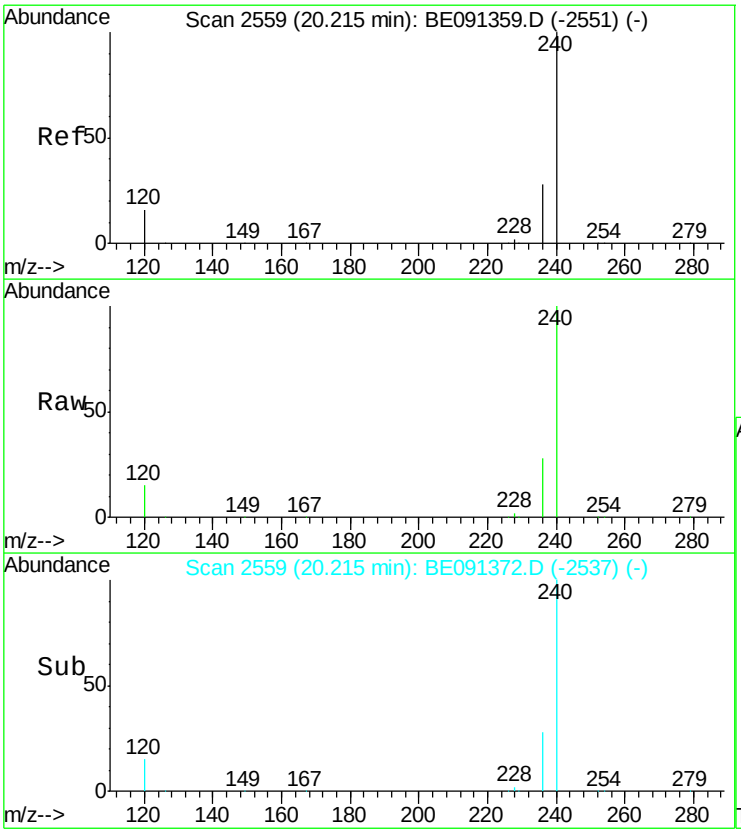
#17
Fluoranthene
Concen: 1.03 ng
RT: 18.10 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 31910

Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.0	16.4
203	17.0	13.9	20.9

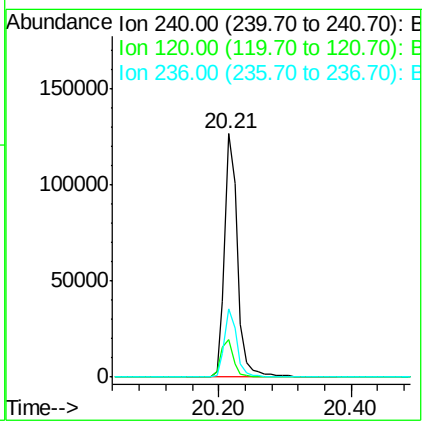


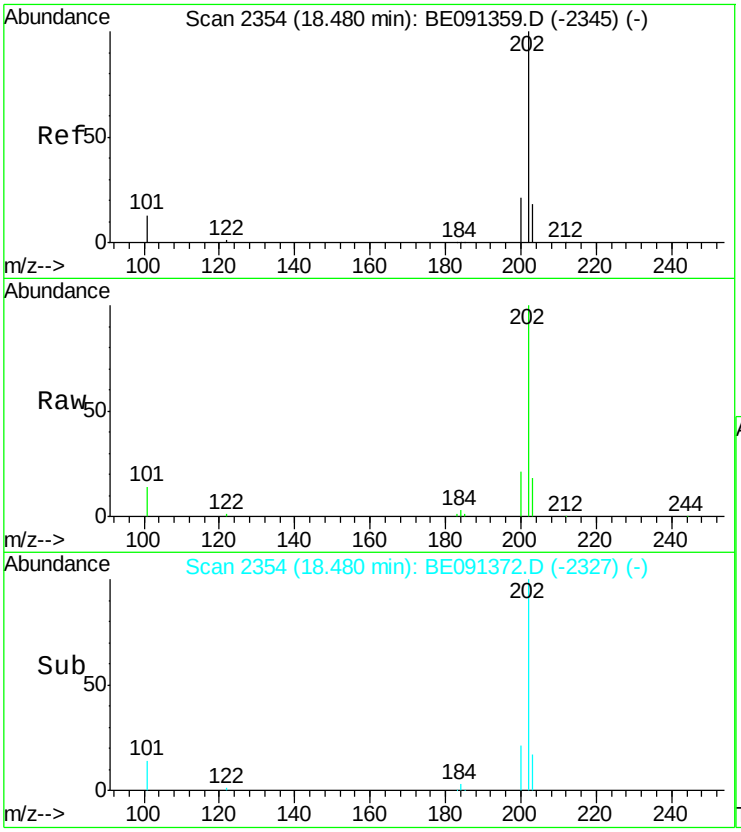


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.21 min Scan# 2559
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:240 Resp: 171303

Ion	Ratio	Lower	Upper
240	100		
120	15.4	12.6	19.0
236	28.0	22.7	34.1



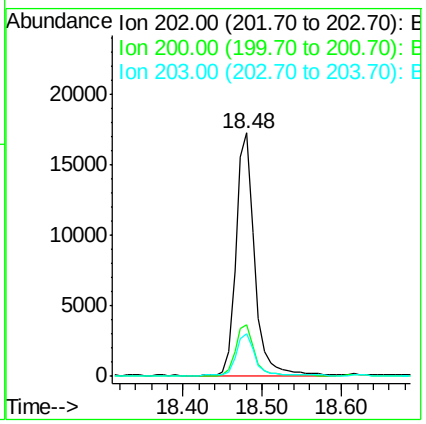


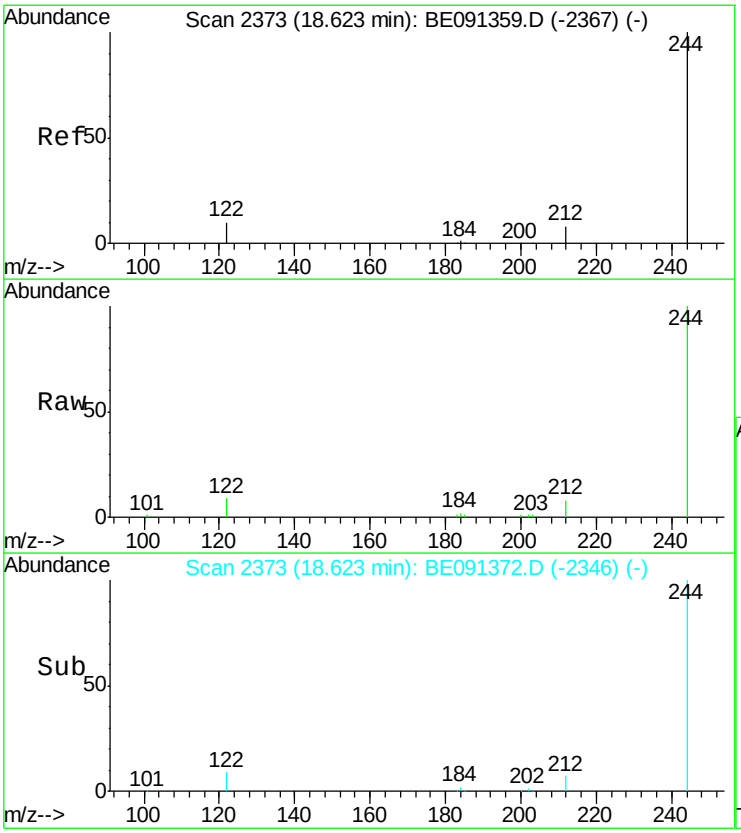
#19
Pyrene
Concen: 1.00 ng
RT: 18.48 min Scan# 2354
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 27676

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.4	14.2	21.4

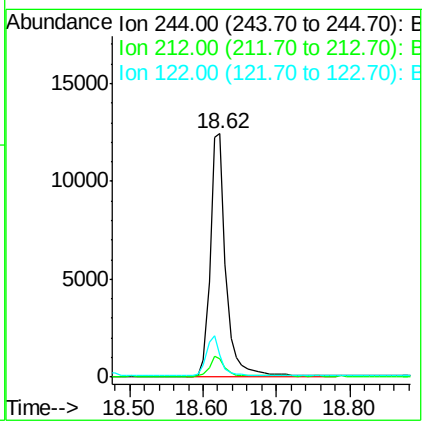


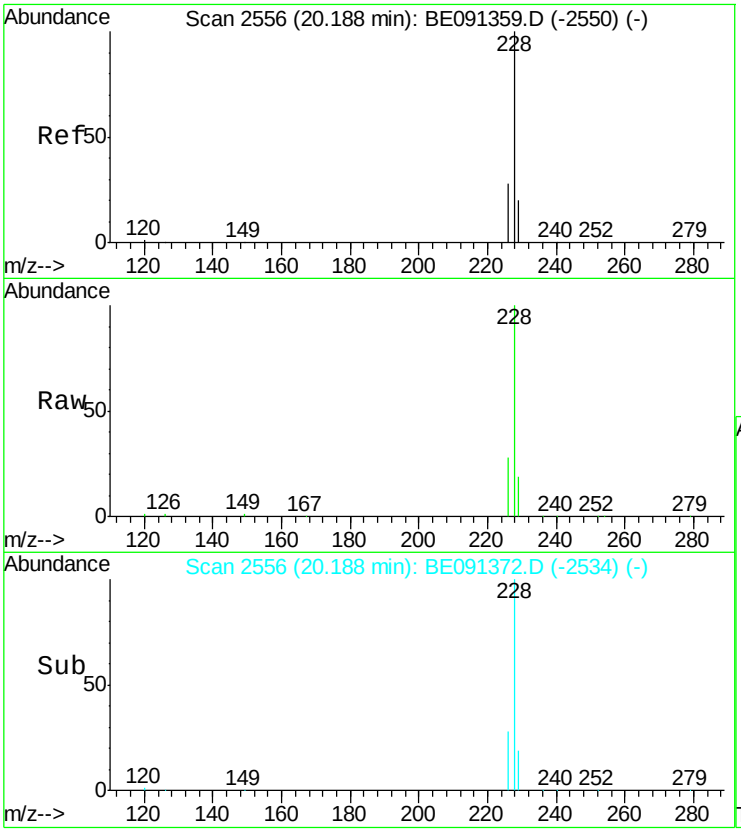


#20
Terphenyl-d14
Concen: 1.03 ng
RT: 18.62 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:244 Resp: 18626

Ion	Ratio	Lower	Upper
244	100		
212	7.7	7.0	10.4
122	9.0	8.5	12.7



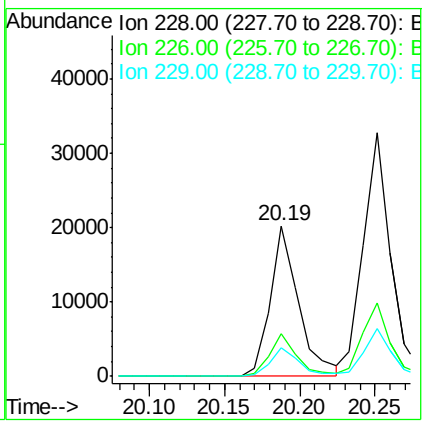


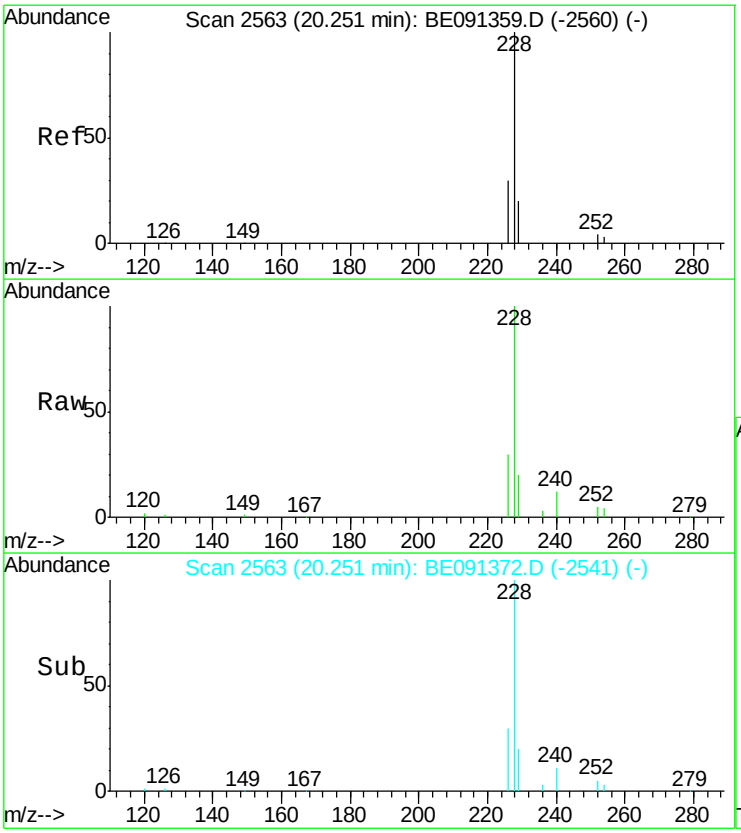
#21
Benzo(a)anthracene
Concen: 1.04 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:228 Resp: 26321

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	19.1	16.2	24.4

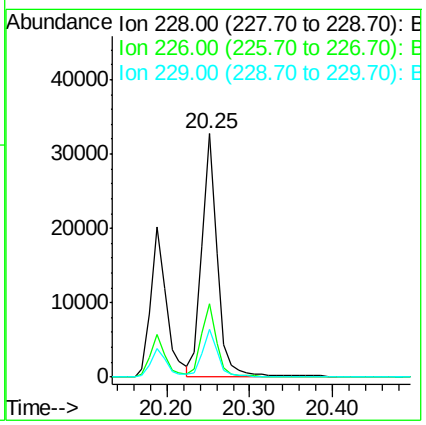


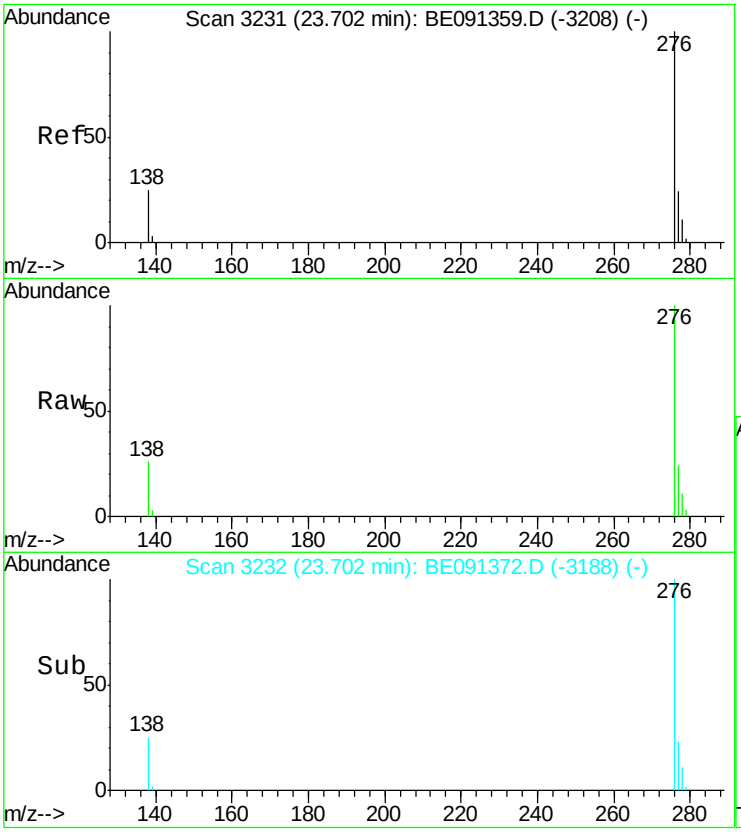


#22
Chrysene
Concen: 1.01 ng
RT: 20.25 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:228 Resp: 42168

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	19.7	16.0	24.0



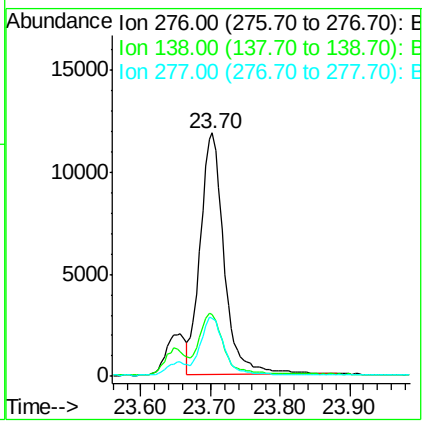


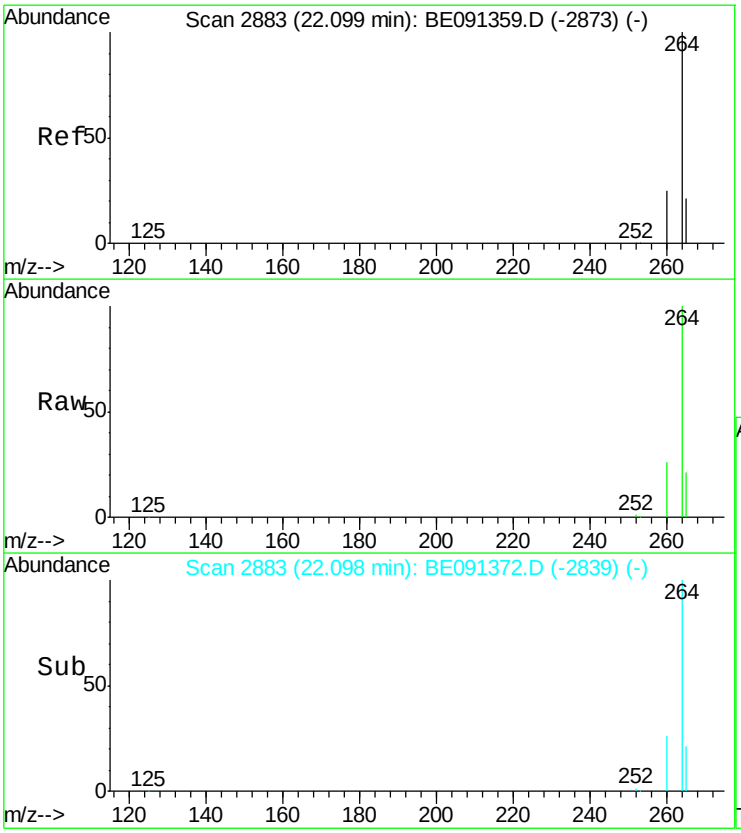
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.98 ng
RT: 23.70 min Scan# 3232
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:276 Resp: 28185

Ion	Ratio	Lower	Upper
276	100		
138	24.8	18.6	27.8
277	23.3	16.5	24.7

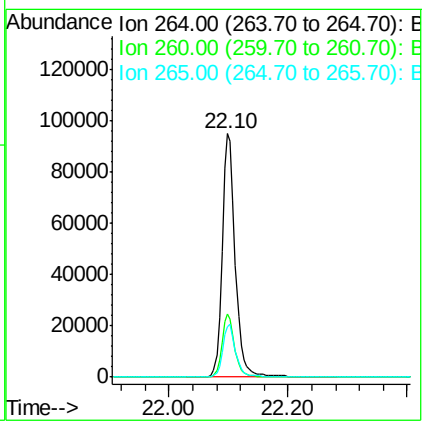


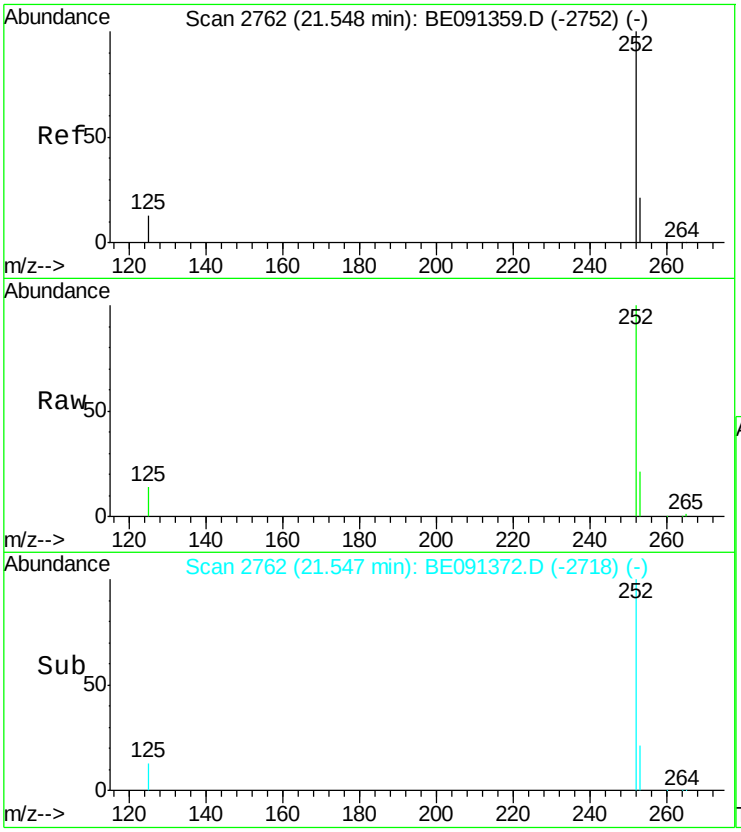


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:264 Resp: 145004

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	20.9	17.2	25.8



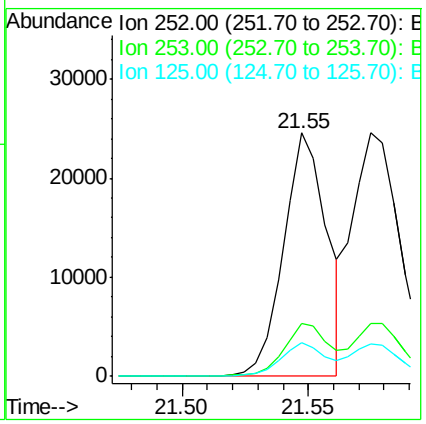


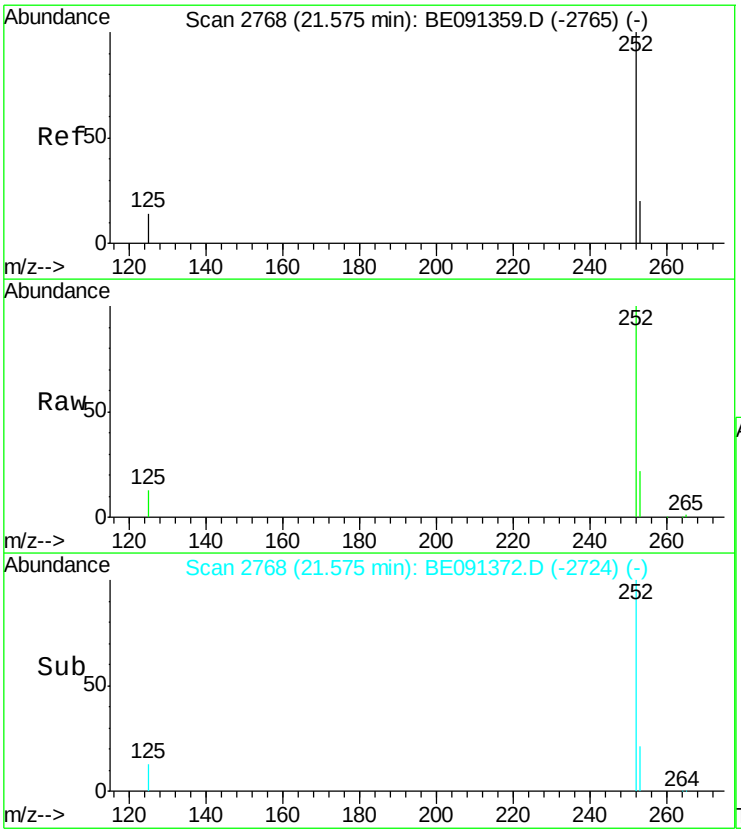
#25
Benzo(b)fluoranthene
Concen: 1.03 ng
RT: 21.55 min Scan# 2762
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 28966

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	13.8	11.0	16.6

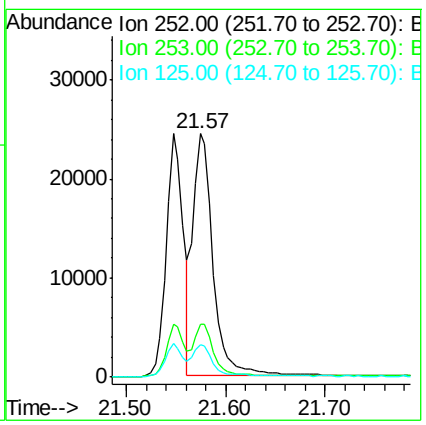


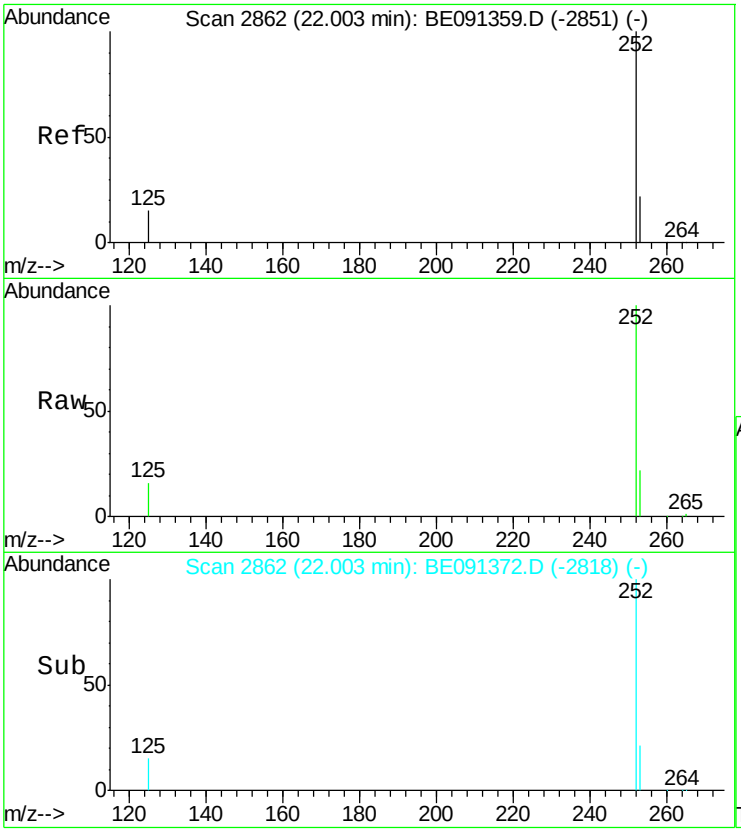


#26
Benzo(k)fluoranthene
Concen: 1.05 ng
RT: 21.57 min Scan# 2768
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:252 Resp: 34388

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	13.5	11.3	16.9



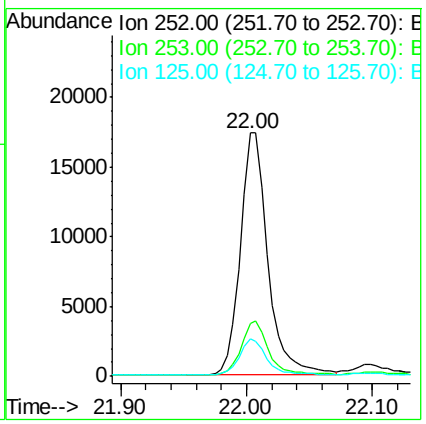


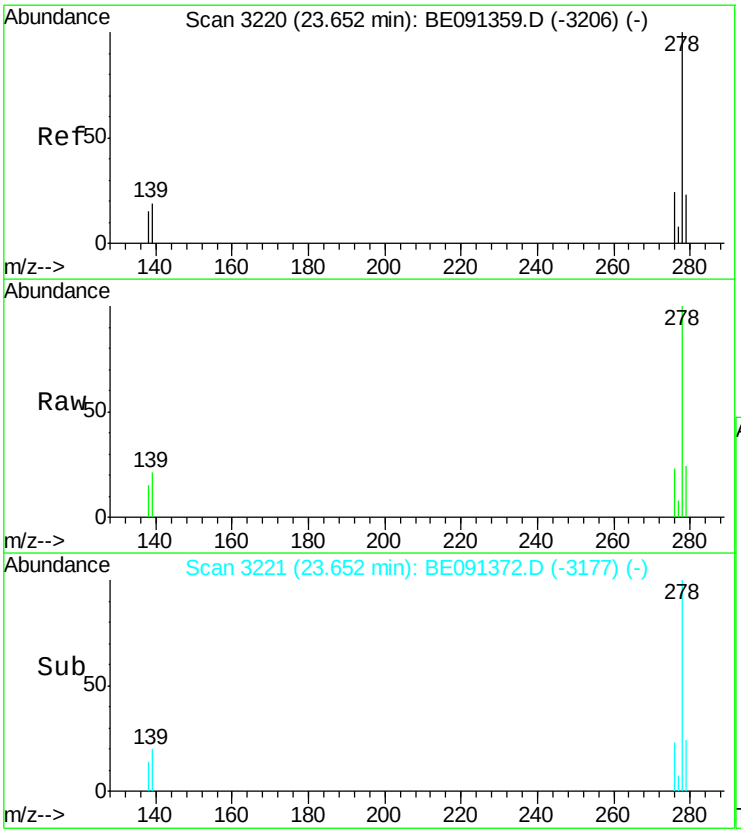
#27
Benzo(a)pyrene
Concen: 0.97 ng
RT: 22.00 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 26520

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	15.6	12.2	18.4

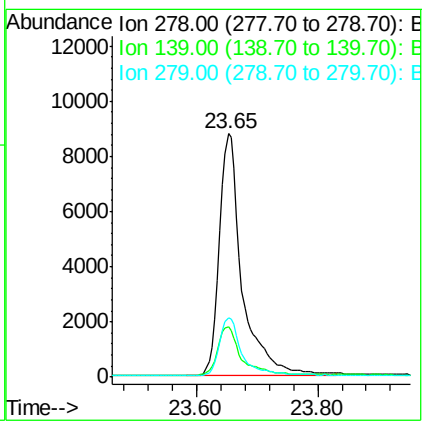


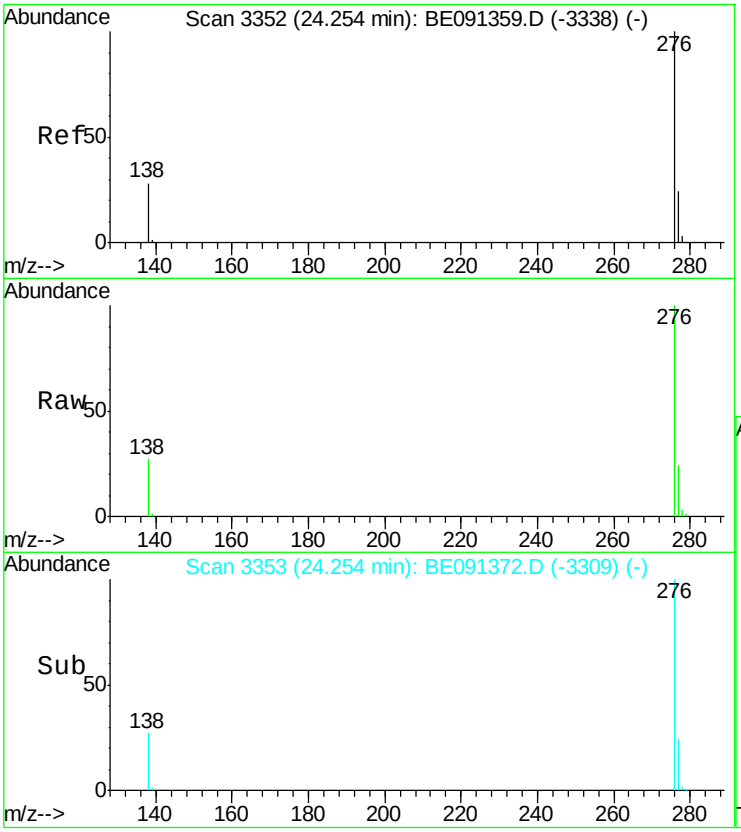


#28
Dibenzo(a,h)anthracene
Concen: 1.08 ng
RT: 23.65 min Scan# 3221
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Tgt Ion:278 Resp: 23065

Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.3	24.5
279	24.1	19.4	29.2





#29
Benzo(g,h,i)perylene
Concen: 1.06 ng
RT: 24.25 min Scan# 3353
Delta R.T. 0.00 min
Lab File: BE091372.D
Acq: 15 Jan 2016 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:276 Resp: 27457

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.6
138	27.4	23.3	34.9