Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020216\
Data File : BE091380.D
Acq On : 2 Feb 2016 16:43
Operator : UM/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC001

Quant Time: Feb 02 17:32:43 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 02 17:28:11 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	45257	5.00	ng		0.00
4) Naphthalene-d8	9.55	136	214004	5.00	ng		0.00
8) Acenaphthene-d10	13.35	164	137474	5.00	ng		0.00
14) Phenanthrene-d10	16.09	188	346047	5.00	ng		0.00
18) Chrysene-d12	20.21	240	391340	5.00	ng		0.00
24) Perylene-d12	22.09	264	369977	5.00	ng		0.00
System Monitoring Compounds							
2) 2-Fluorophenol	4.95	112	7082	1.47	ng		0.00
3) Phenol-d6	6.57	99	11545	1.50	ng		0.00
5) Nitrobenzene-d5	8.17	82	8989	0.72	ng		0.00
9) 2,4,6-Tribromophenol	14.90	330	3323	1.18	ng		0.00
10) 2-Fluorobiphenyl	12.01	172	31812	1.07	ng		0.00
20) Terphenyl-d14	18.61	244	53028	1.43	ng		0.00
Target Compounds							Qvalue
6) Naphthalene	9.59	128	42748	0.94	ng		100
7) 2-Methylnaphthalene	11.13	142	23156	1.30	ng		95
11) Acenaphthylene	13.10	152	167122	0.93	ng		100
12) Acenaphthene	13.42	154	32663	0.84	ng	#	71
13) Fluorene	14.40	166	43691	1.01	ng		96
15) Phenanthrene	16.12	178	80033	0.93	ng		100
16) Anthracene	16.21	178	68554	1.14	ng		99
17) Fluoranthene	18.09	202	72092	1.17	ng		99
19) Pyrene	18.47	202	75372	1.26	ng		99
21) Benzo(a)anthracene	20.19	228	61139	1.12	ng		99
22) Chrysene	20.25	228	93723	0.99	ng		99
23) Indeno(1,2,3-cd)pyrene	23.70	276	66706	1.07	ng		94
25) Benzo(b)fluoranthene	21.55	252	71378	1.15	ng	#	96
26) Benzo(k)fluoranthene	21.58	252	78639	1.08	ng	#	95
27) Benzo(a)pyrene	22.00	252	62788	0.99	ng	#	96
28) Dibenzo(a,h)anthracene	23.65	278	55507	1.18	ng	#	96
29) Benzo(g,h,i)perylene	24.24	276	70336	1.17	ng	#	91

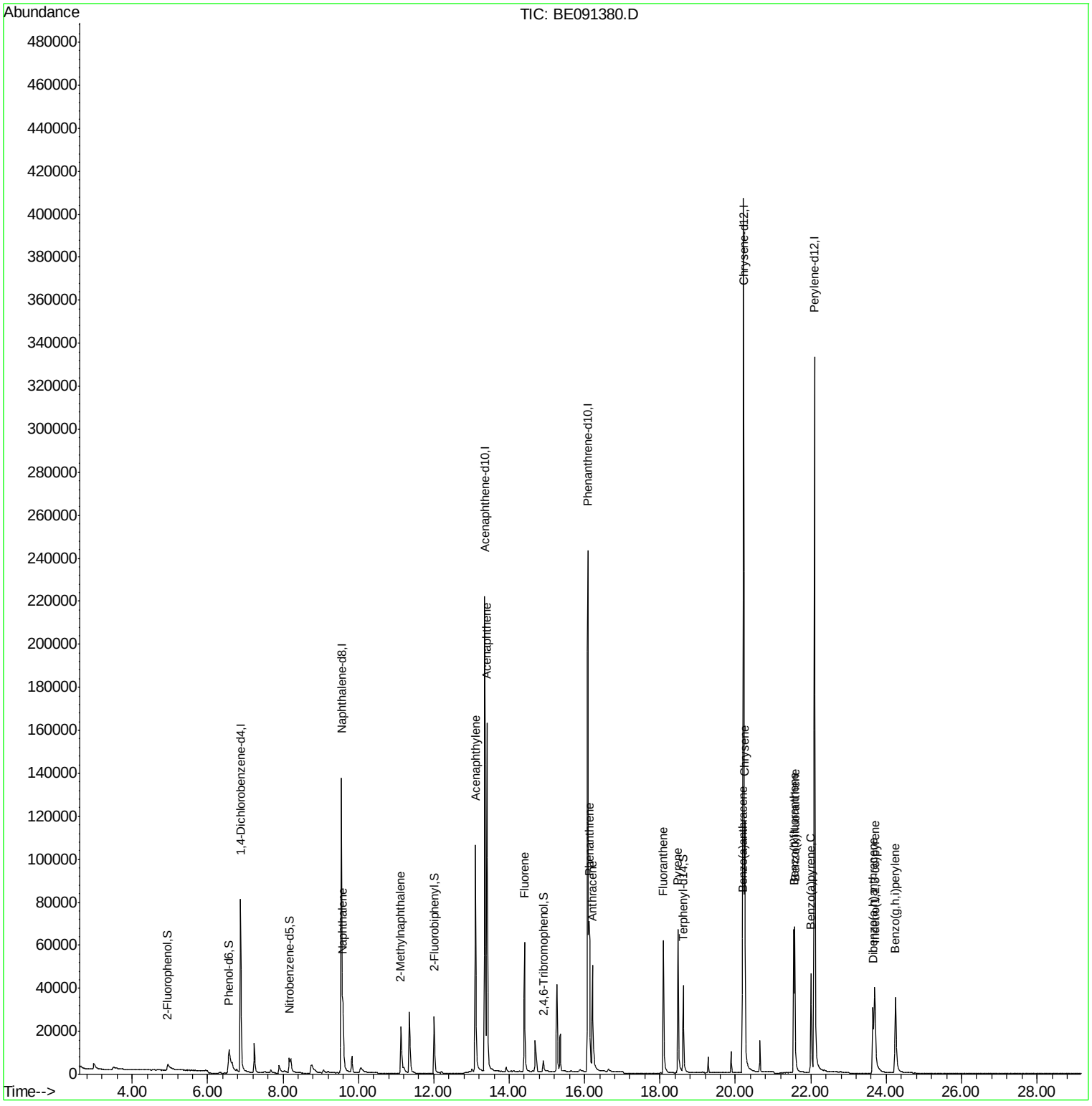
(#) = qualifier out of range (m) = manual integration (+) = signals summed

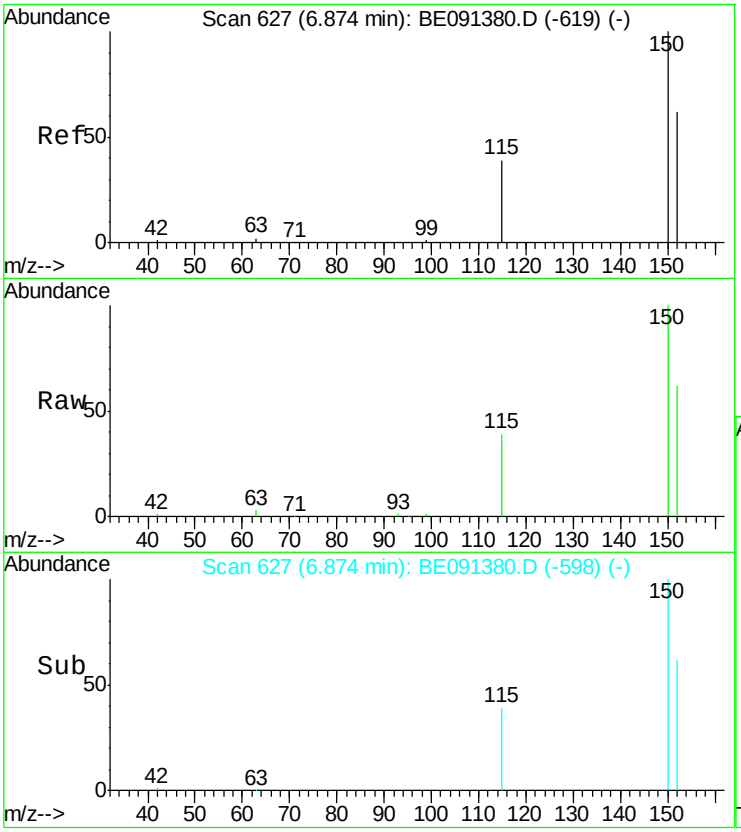
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020216\
Data File : BE091380.D
Acq On : 2 Feb 2016 16:43
Operator : UM/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Quant Time: Feb 02 17:32:43 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 02 17:28:11 2016
Response via : Initial Calibration



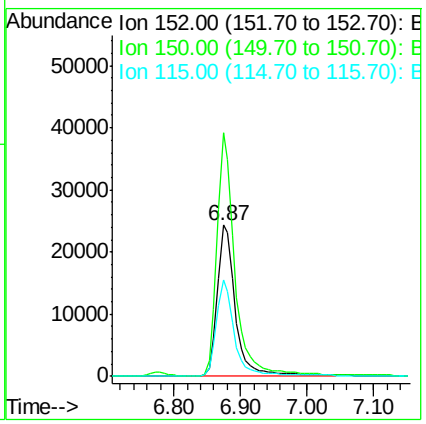


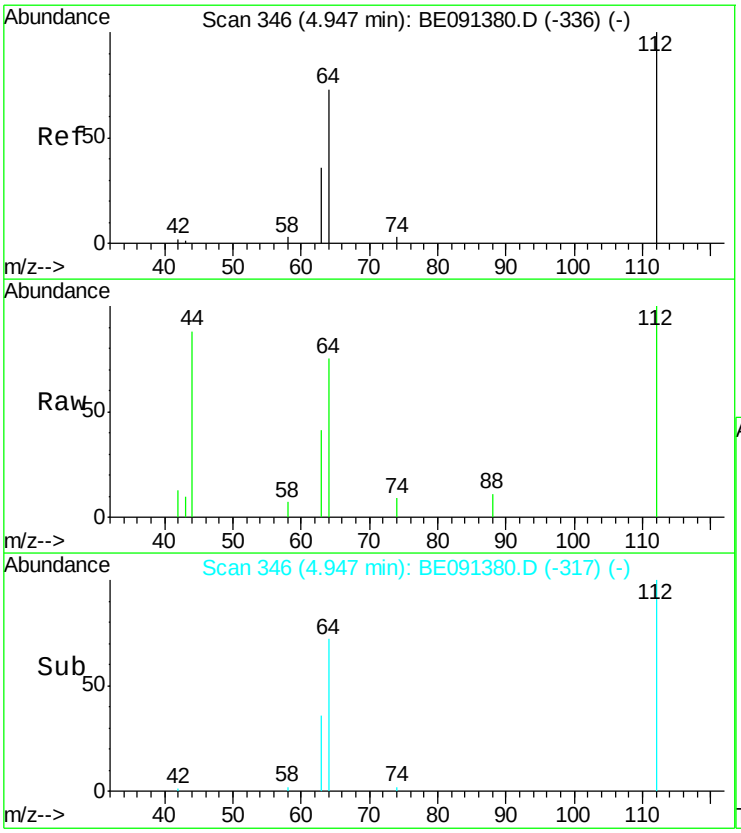
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:152 Resp: 45257

Ion	Ratio	Lower	Upper
152	100		
150	161.1	121.6	182.4
115	63.6	50.6	75.8

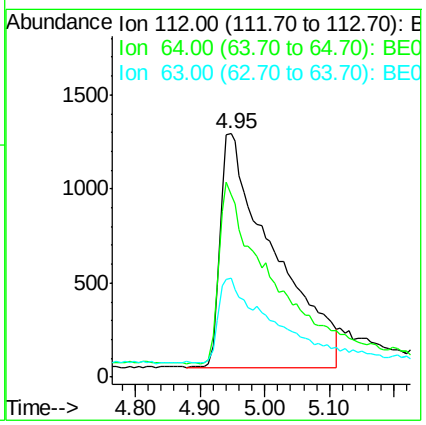


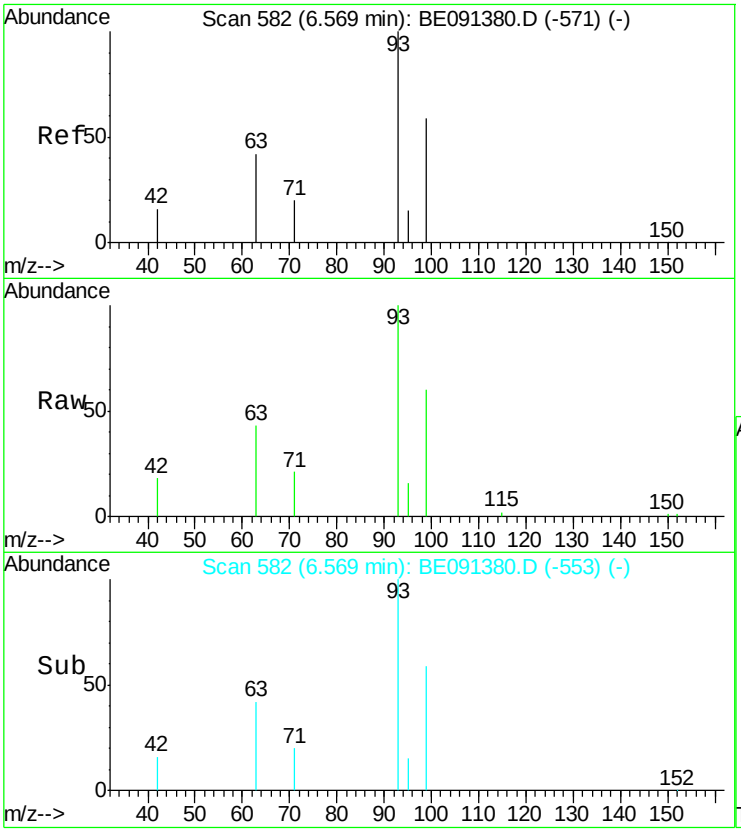


#2
2-Fluorophenol
Concen: 1.47 ng
RT: 4.95 min Scan# 346
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:112 Resp: 7082

Ion	Ratio	Lower	Upper
112	100		
64	75.6	57.4	86.0
63	37.3	32.2	48.2



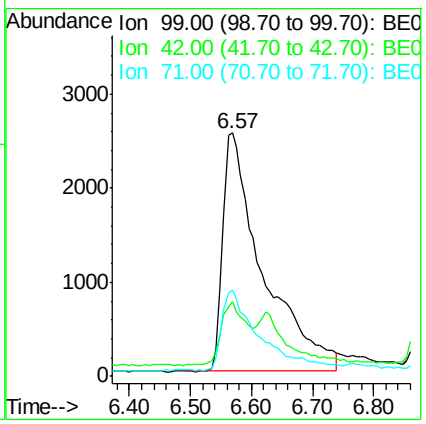


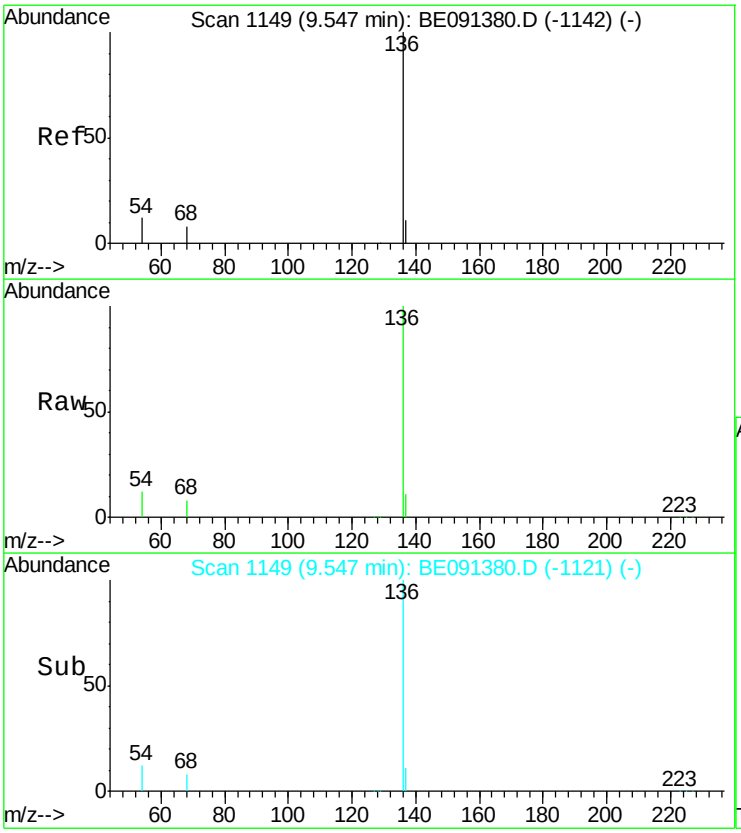
#3
Phenol-d6
Concen: 1.50 ng
RT: 6.57 min Scan# 582
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion: 99 Resp: 11545

Ion	Ratio	Lower	Upper
99	100		
42	16.6	22.9	34.3#
71	32.0	35.4	53.2#

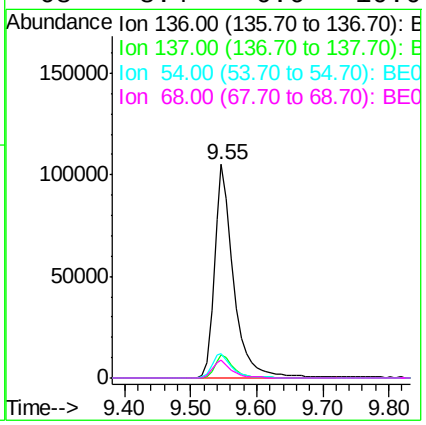


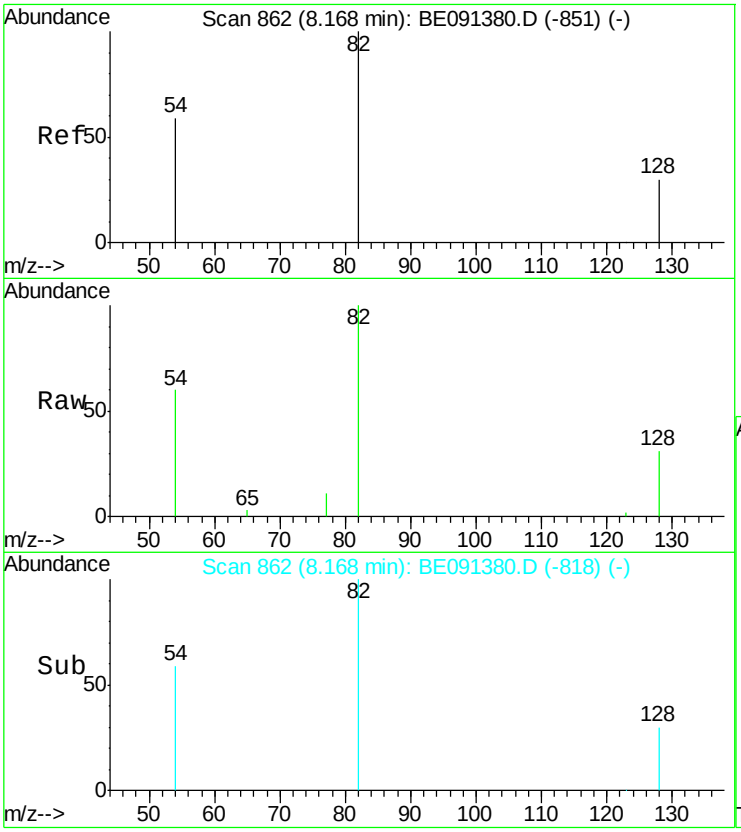


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.55 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:136 Resp: 214004

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.6	9.8	14.6
68	8.4	6.6	10.0



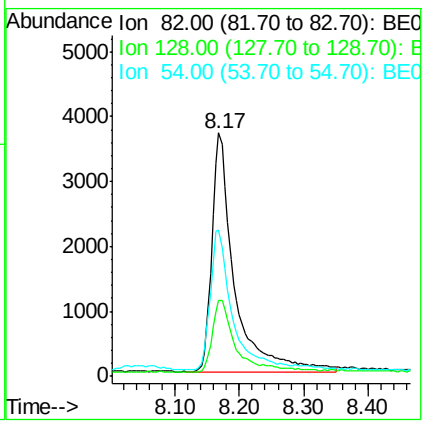


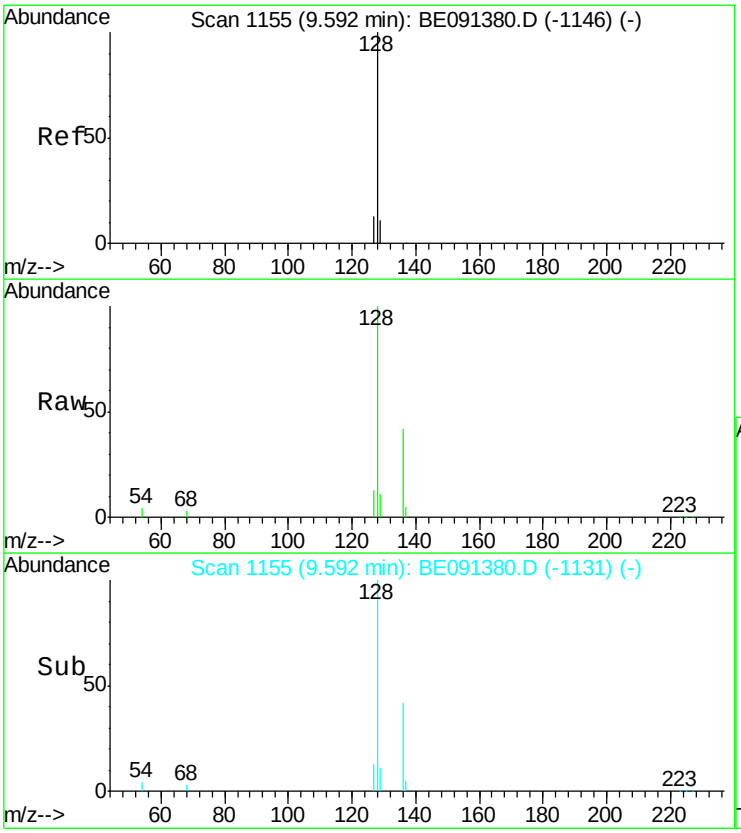
#5
Nitrobenzene-d5
Concen: 0.72 ng
RT: 8.17 min Scan# 862
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion: 82 Resp: 8989

Ion	Ratio	Lower	Upper
82	100		
128	31.2	24.6	36.8
54	60.1	52.7	79.1

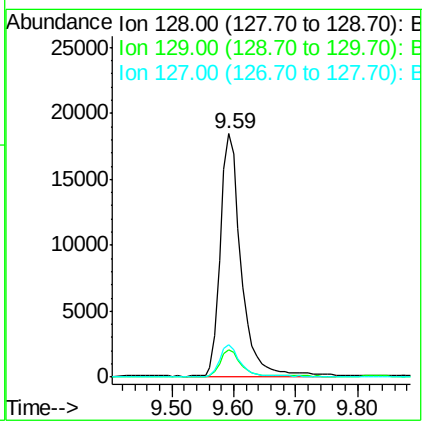


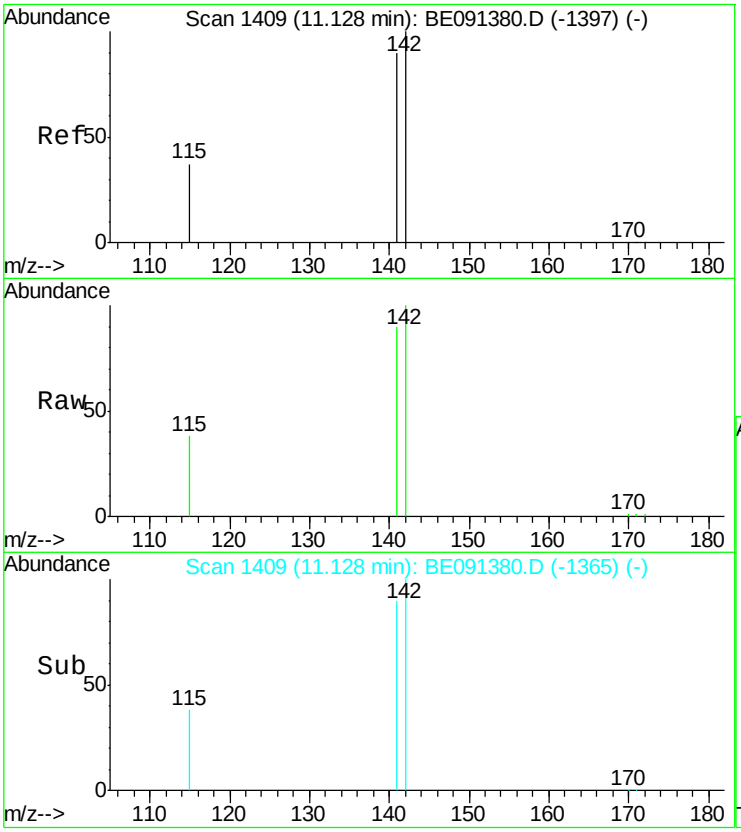


#6
Naphthalene
Concen: 0.94 ng
RT: 9.59 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:128 Resp: 42748

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.1	10.6	15.8



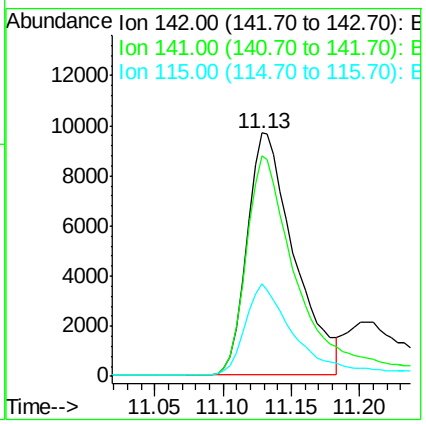


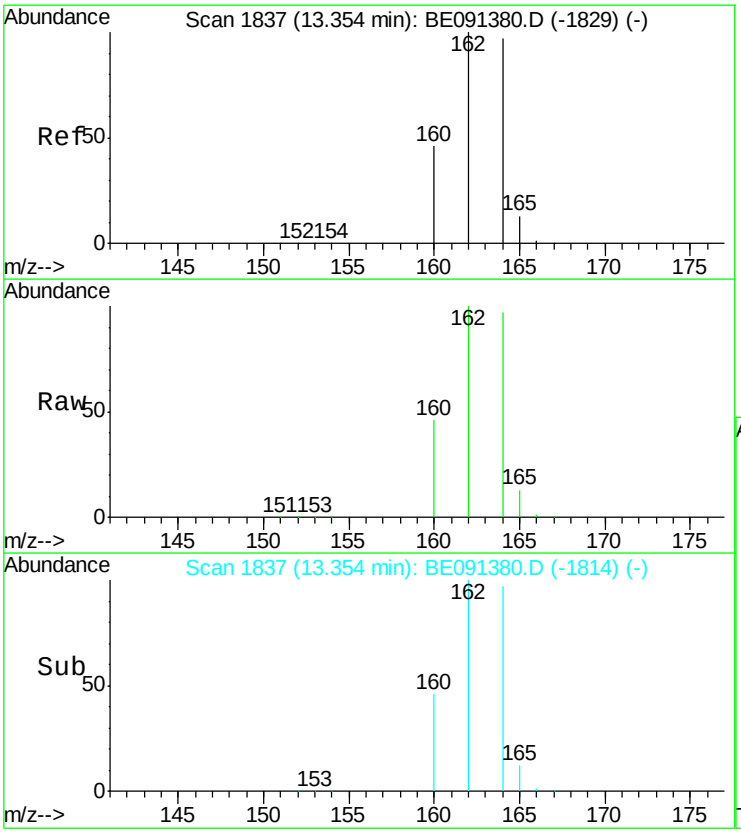
#7
2-Methylnaphthalene
Concen: 1.30 ng
RT: 11.13 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:142 Resp: 23156

Ion	Ratio	Lower	Upper
142	100		
141	90.4	74.5	111.7
115	38.1	35.2	52.8

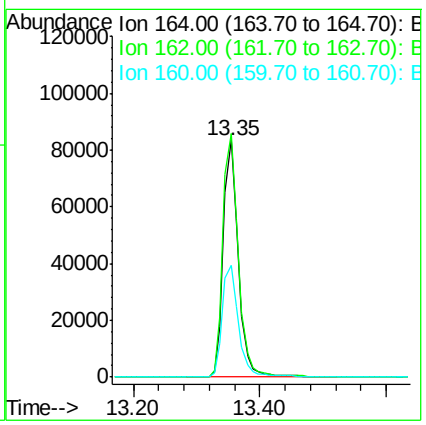


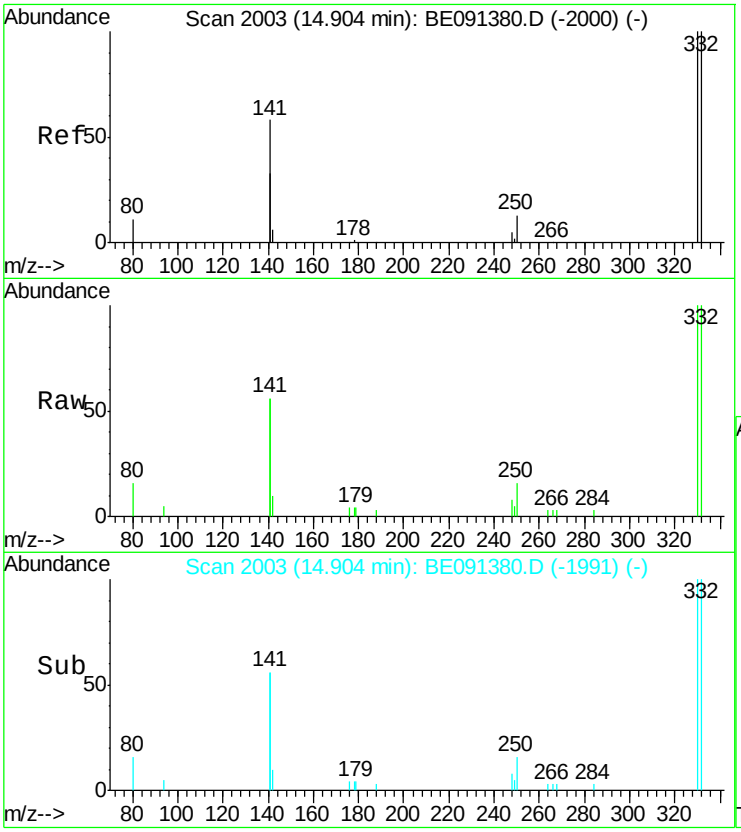


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.35 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:164 Resp: 137474

Ion	Ratio	Lower	Upper
164	100		
162	102.7	88.5	132.7
160	47.3	76.7	115.1#



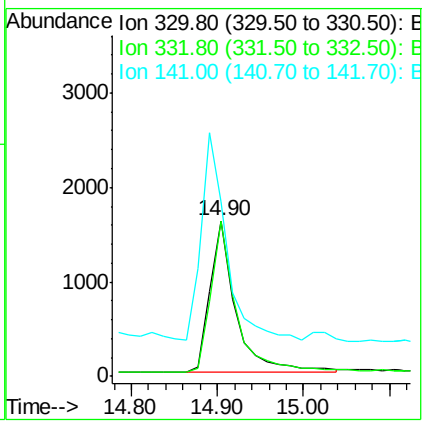


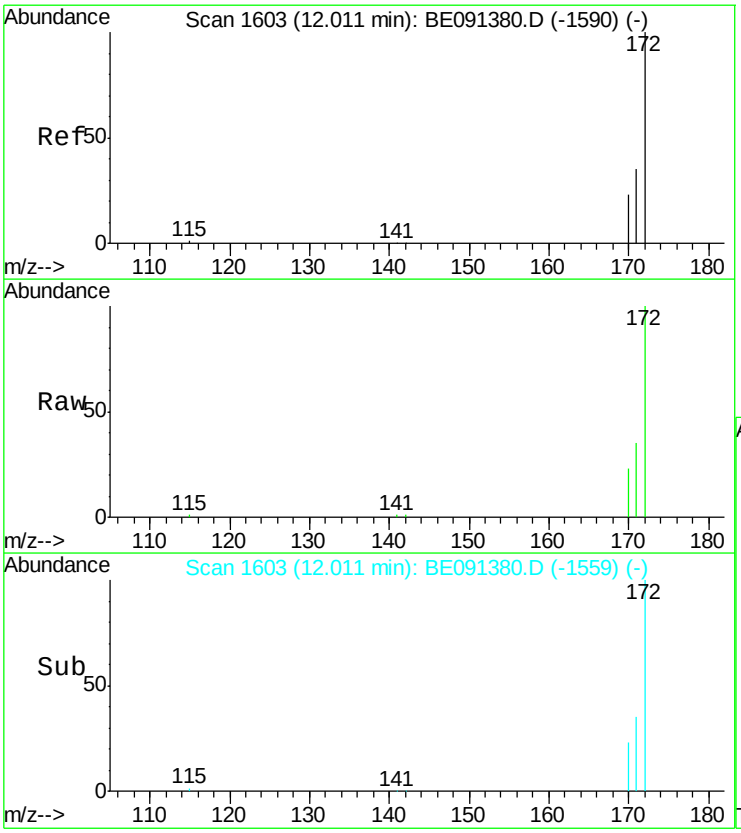
#9
2,4,6-Tribromophenol
Concen: 1.18 ng
RT: 14.90 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:330 Resp: 3323

Ion	Ratio	Lower	Upper
330	100		
332	98.5	78.6	118.0
141	131.4	147.8	221.8#

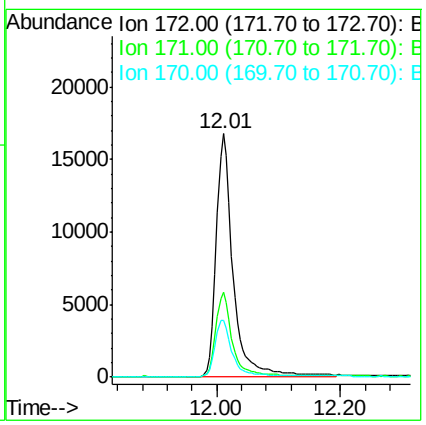


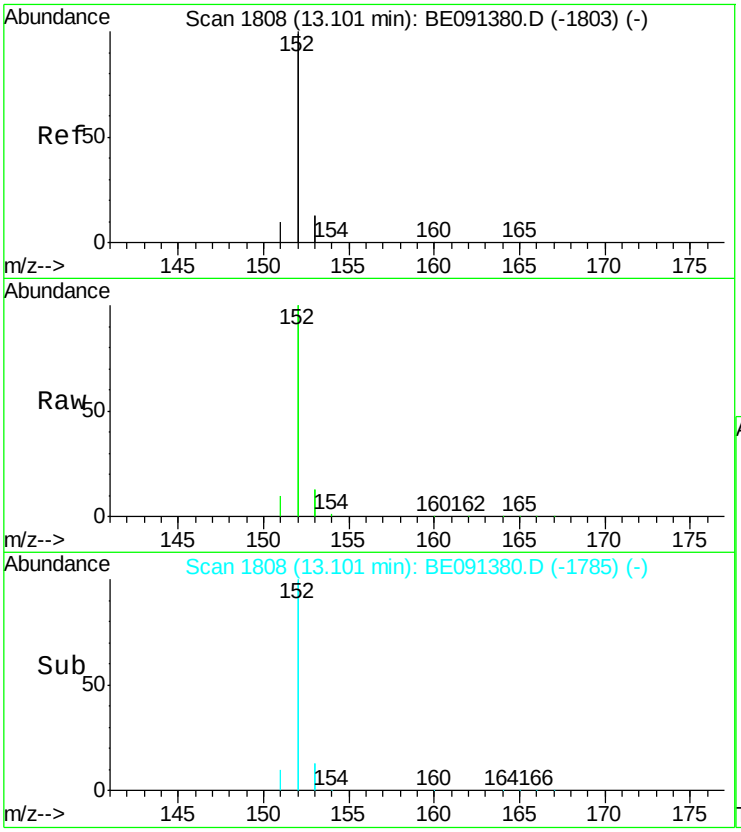


#10
2-Fluorobiphenyl
Concen: 1.07 ng
RT: 12.01 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:172 Resp: 31812

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.3	40.9
170	23.3	19.8	29.6



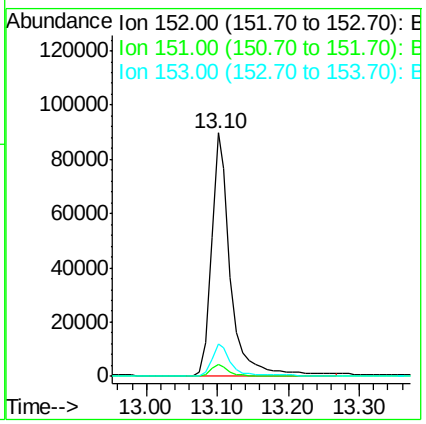


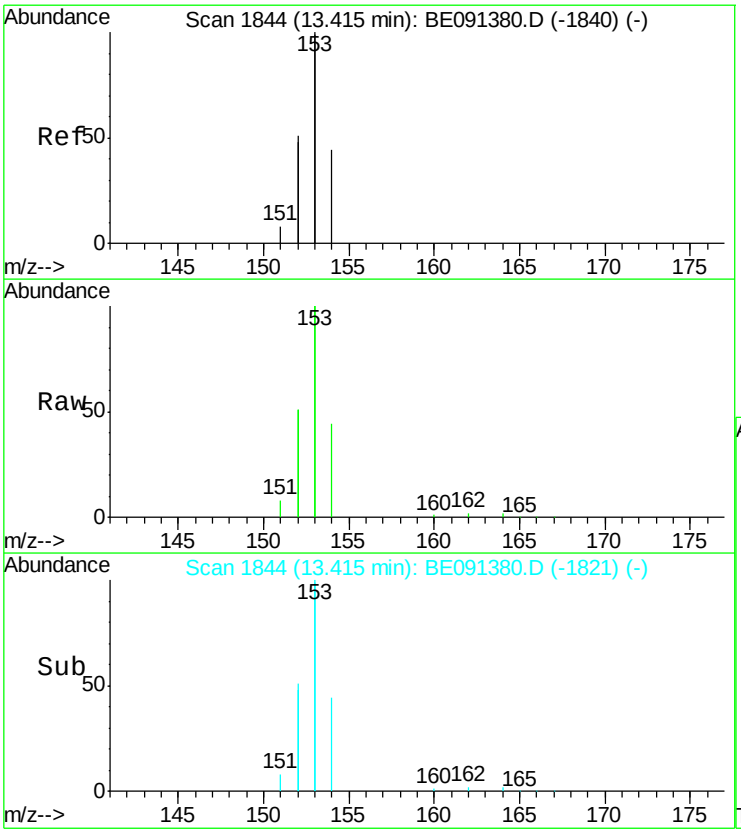
#11
Acenaphthylene
Concen: 0.93 ng
RT: 13.10 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:152 Resp: 167122

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.8	10.1	15.1

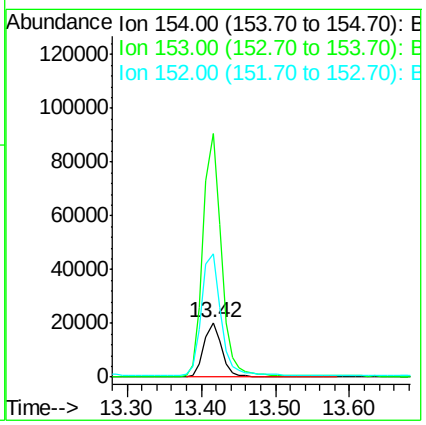


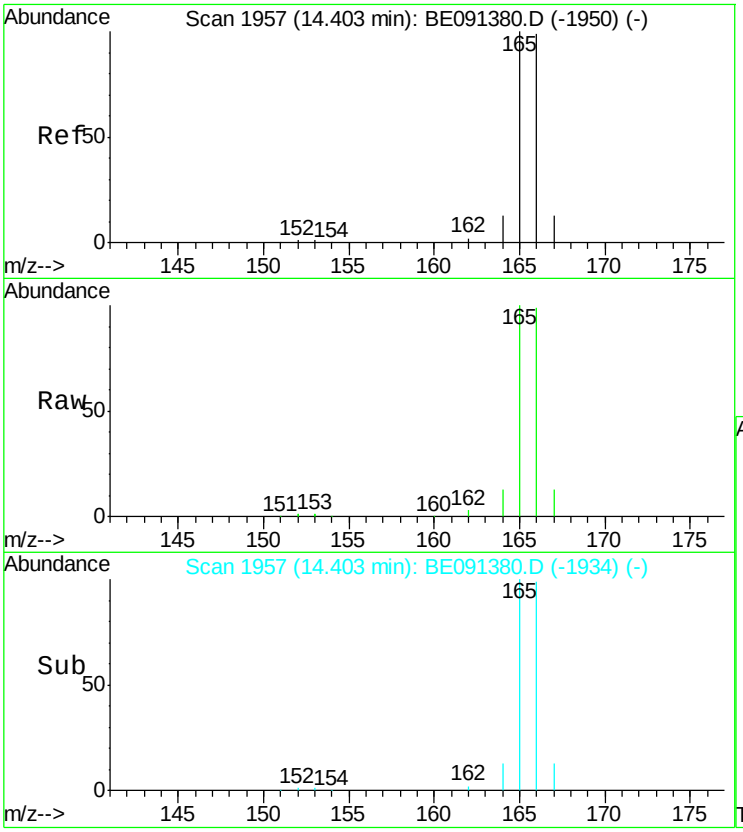


#12
Acenaphthene
Concen: 0.84 ng
RT: 13.42 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:154 Resp: 32663

Ion	Ratio	Lower	Upper
154	100		
153	462.3	370.2	555.4
152	243.0	310.5	465.7#



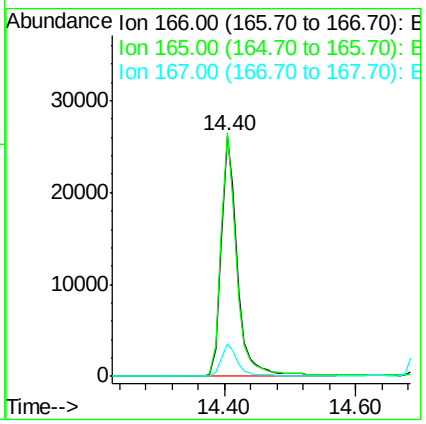


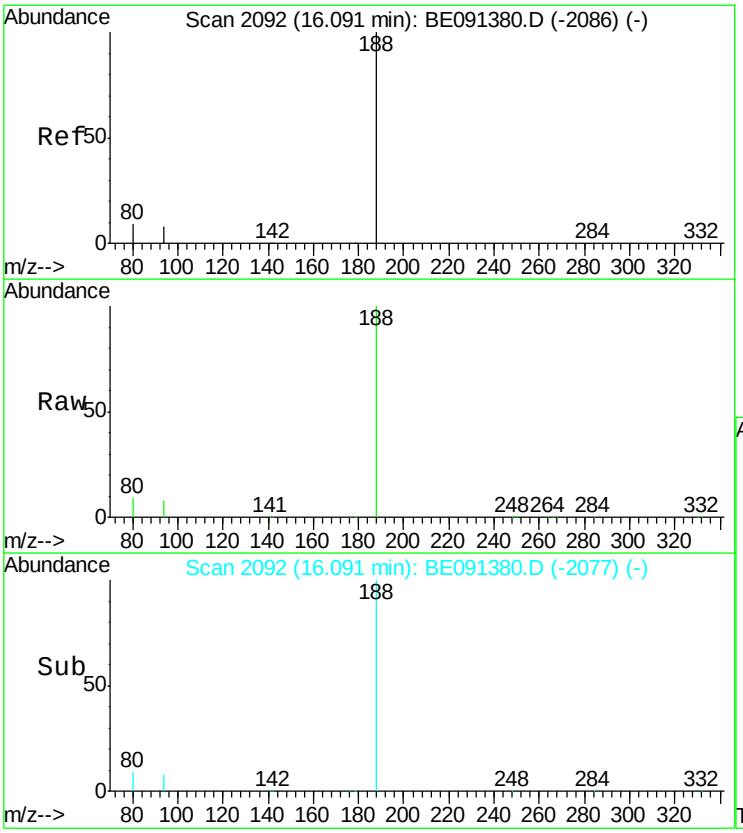
#13
Fluorene
Concen: 1.01 ng
RT: 14.40 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:166 Resp: 43691

Ion	Ratio	Lower	Upper
166	100		
165	99.1	83.0	124.6
167	13.3	11.1	16.7

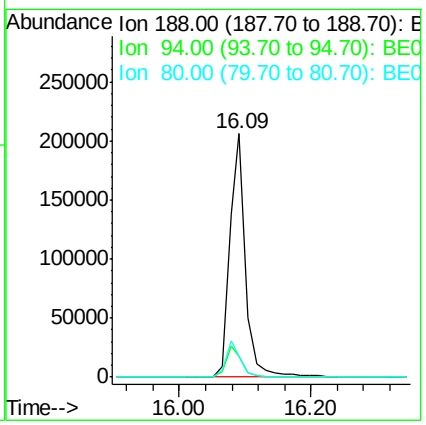


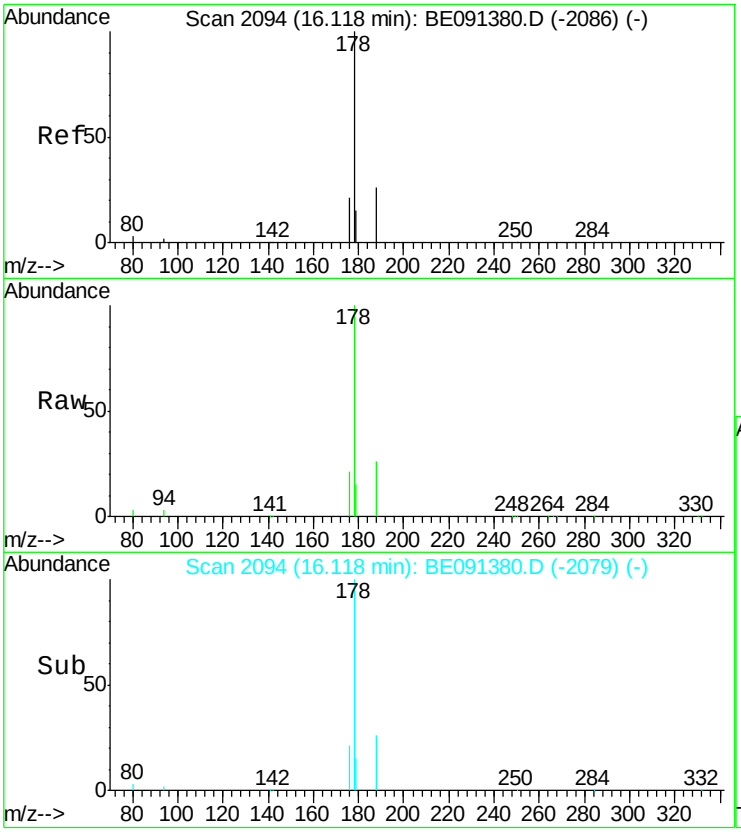


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.09 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:188 Resp: 346047

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.5	11.3
80	8.8	8.2	12.2



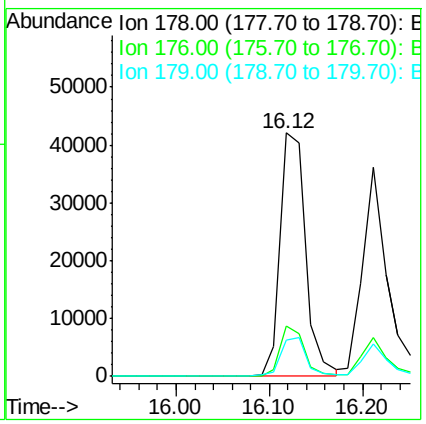


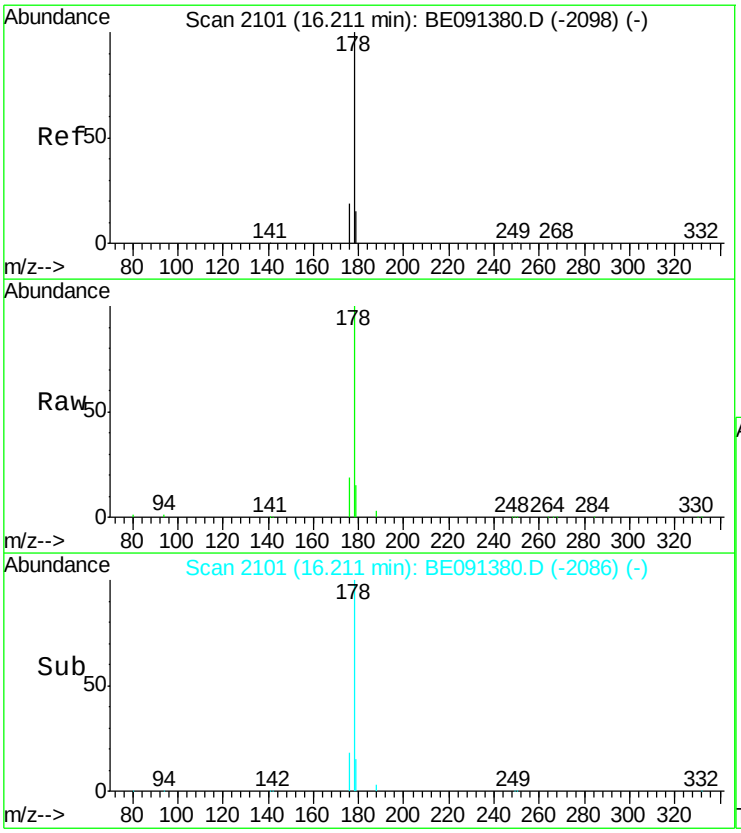
#15
Phenanthrene
Concen: 0.93 ng
RT: 16.12 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:178 Resp: 80033

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.9	12.8	19.2

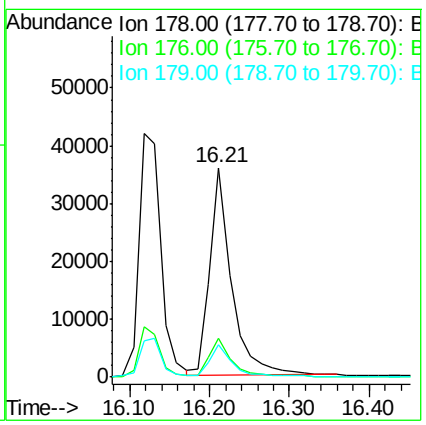


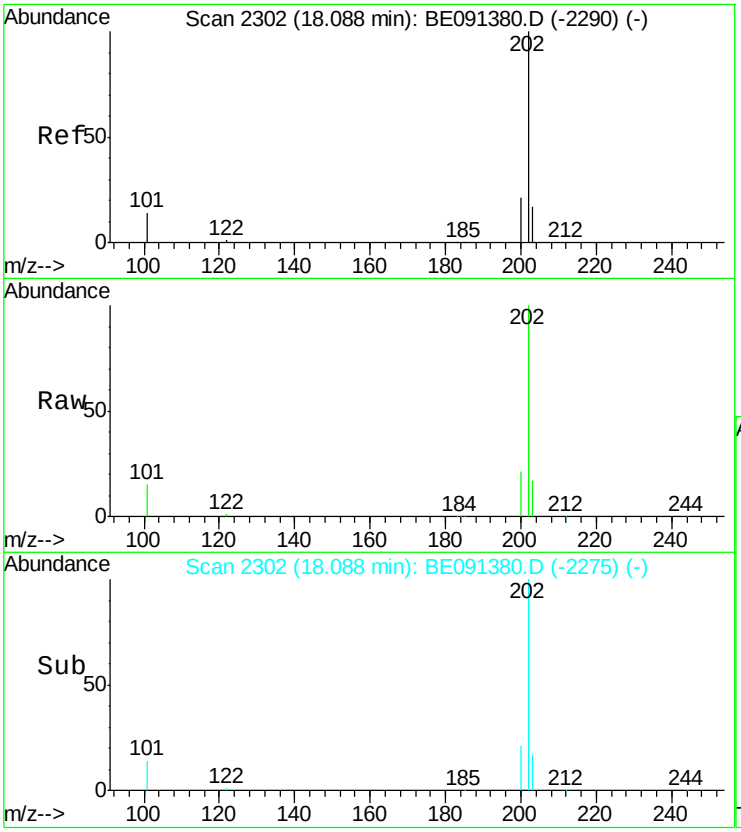


#16
Anthracene
Concen: 1.14 ng
RT: 16.21 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:178 Resp: 68554

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.1	12.4	18.6



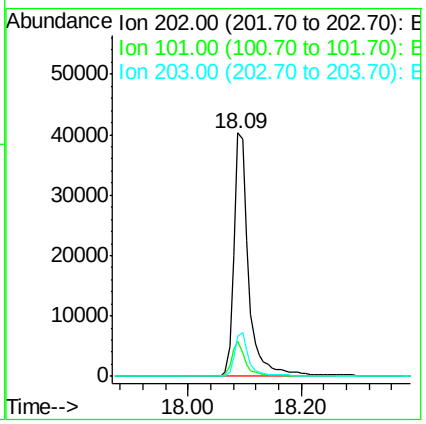


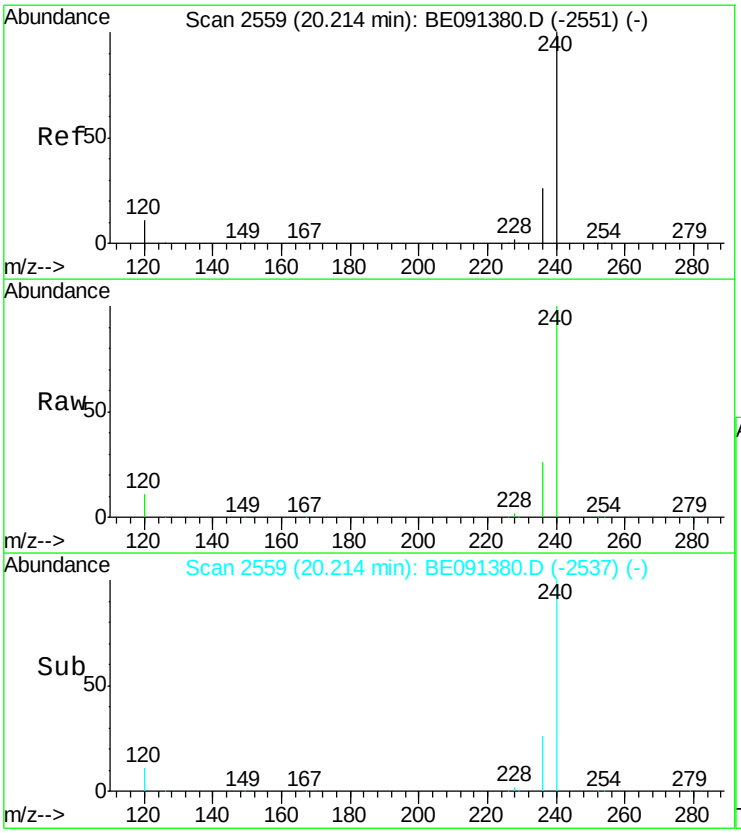
#17
Fluoranthene
Concen: 1.17 ng
RT: 18.09 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:202 Resp: 72092

Ion	Ratio	Lower	Upper
202	100		
101	13.1	11.0	16.4
203	17.4	13.9	20.9

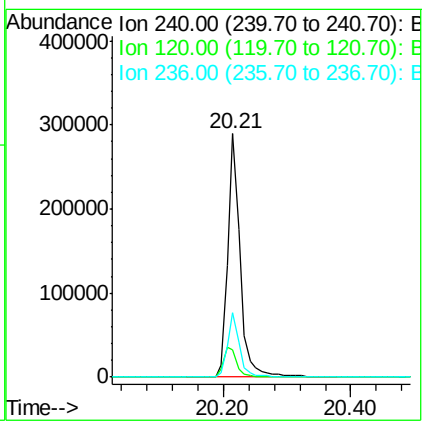


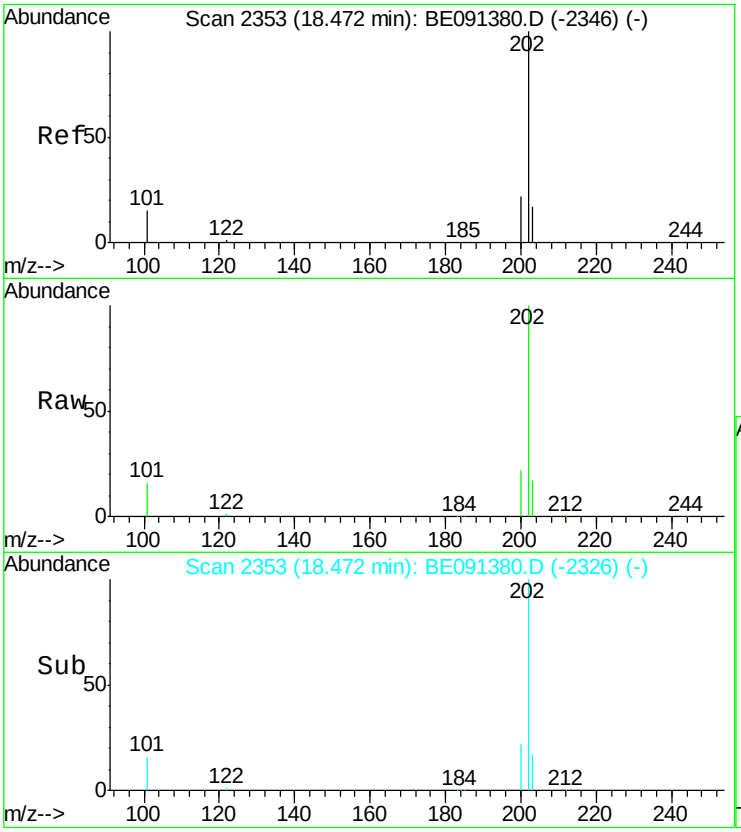


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.21 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:240 Resp: 391340

Ion	Ratio	Lower	Upper
240	100		
120	11.1	12.6	19.0#
236	26.2	22.7	34.1



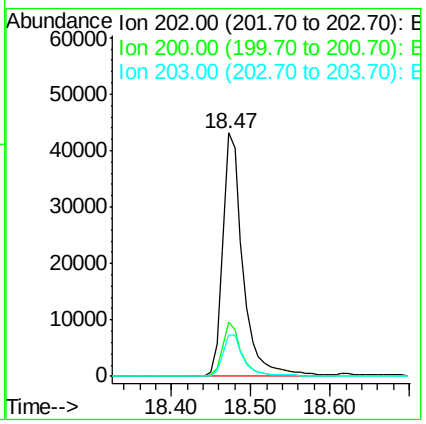


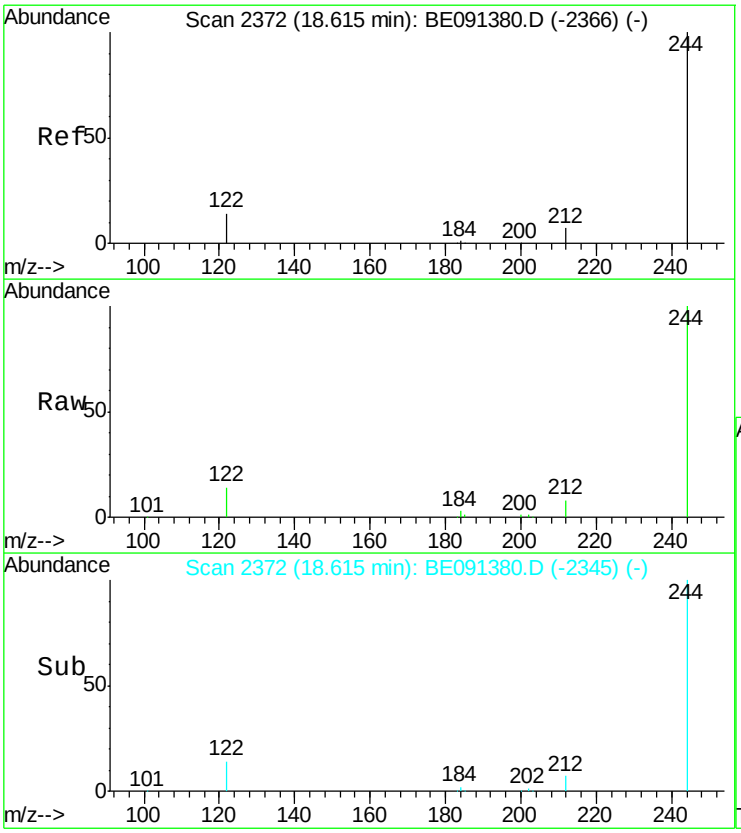
#19
Pyrene
Concen: 1.26 ng
RT: 18.47 min Scan# 2353
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:202 Resp: 75372

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.5	14.2	21.4

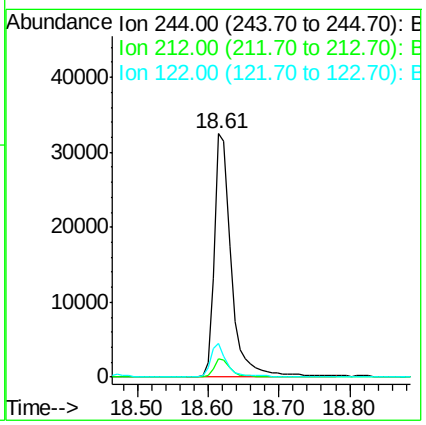


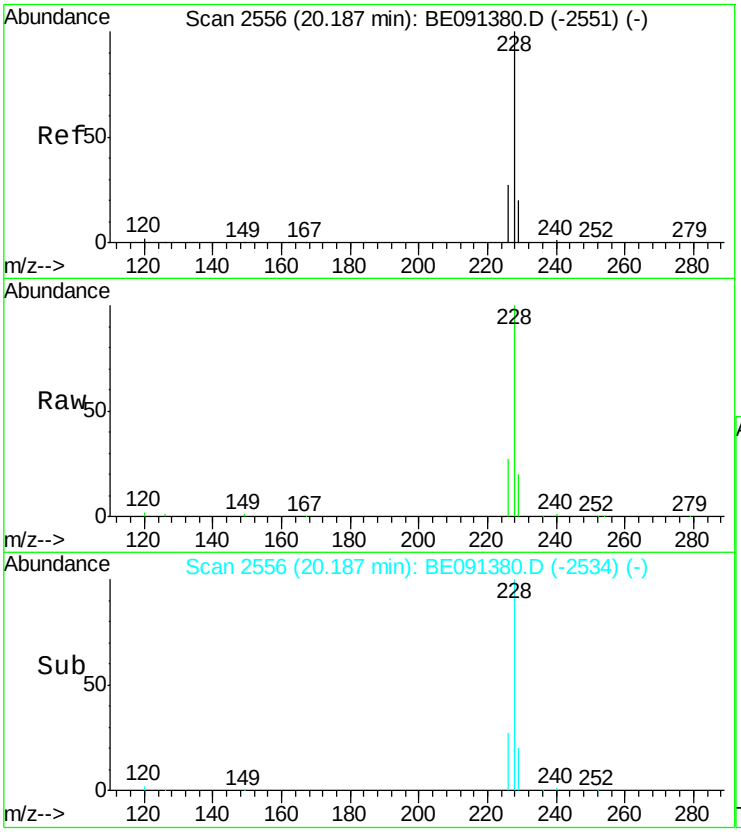


#20
Terphenyl-d14
Concen: 1.43 ng
RT: 18.61 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:244 Resp: 53028

Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.0	10.4
122	13.8	8.5	12.7#



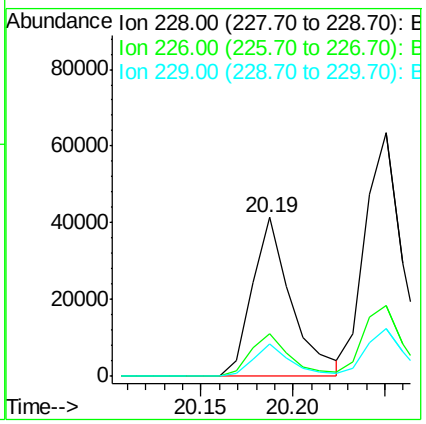


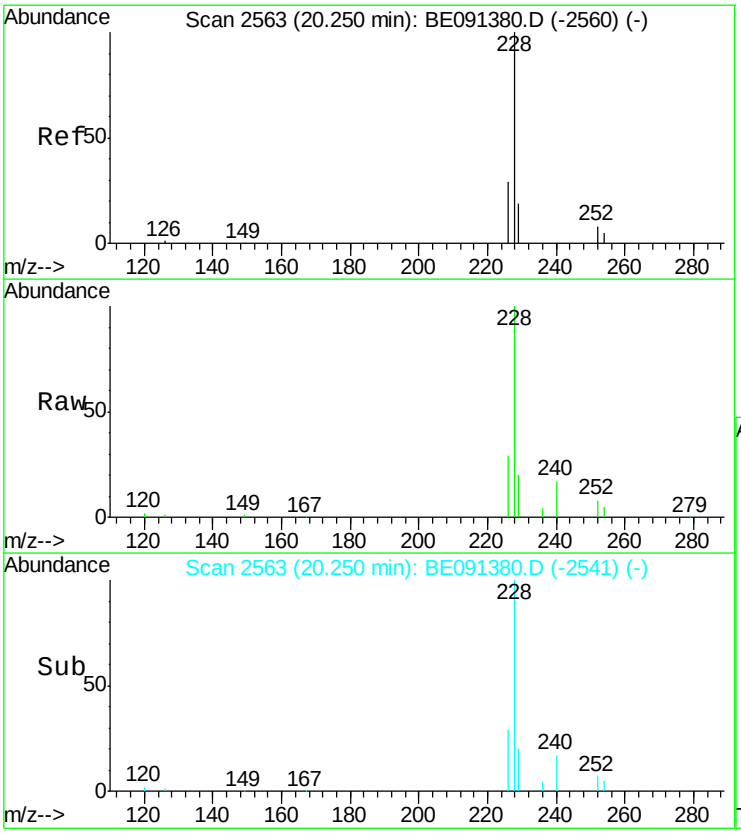
#21
Benzo(a)anthracene
Concen: 1.12 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:228 Resp: 61139

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	20.1	16.2	24.4

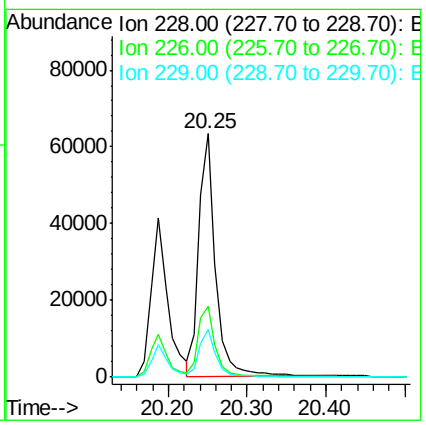


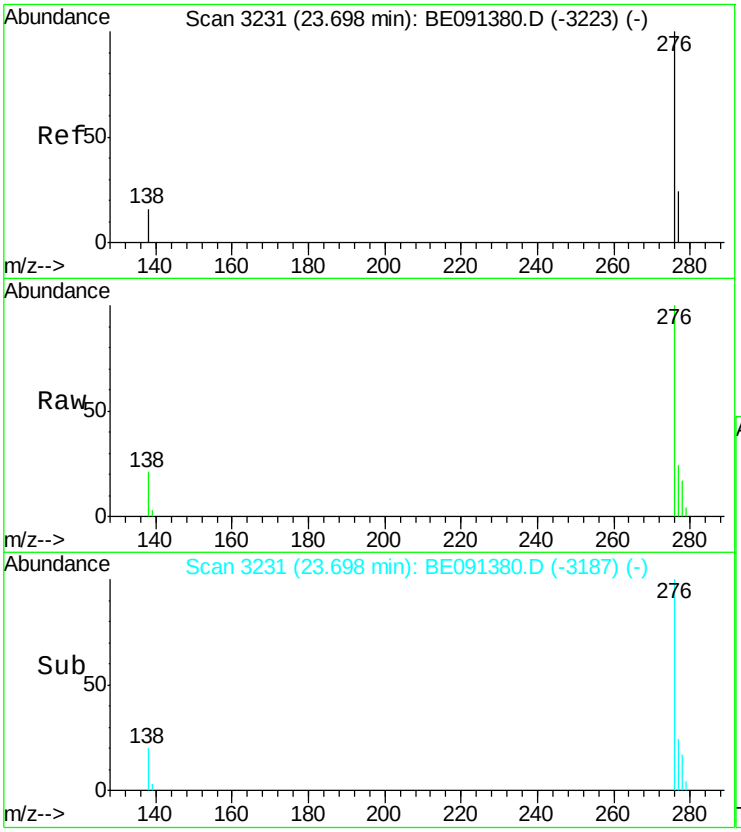


#22
Chrysene
Concen: 0.99 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:228 Resp: 93723

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	19.6	16.0	24.0



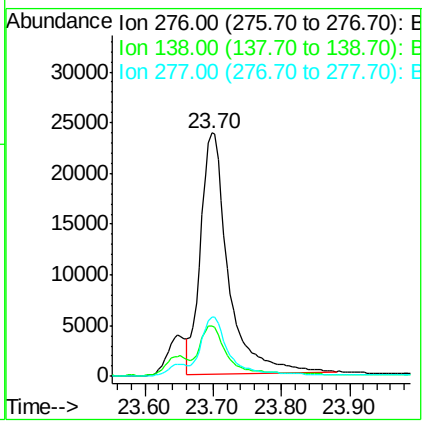


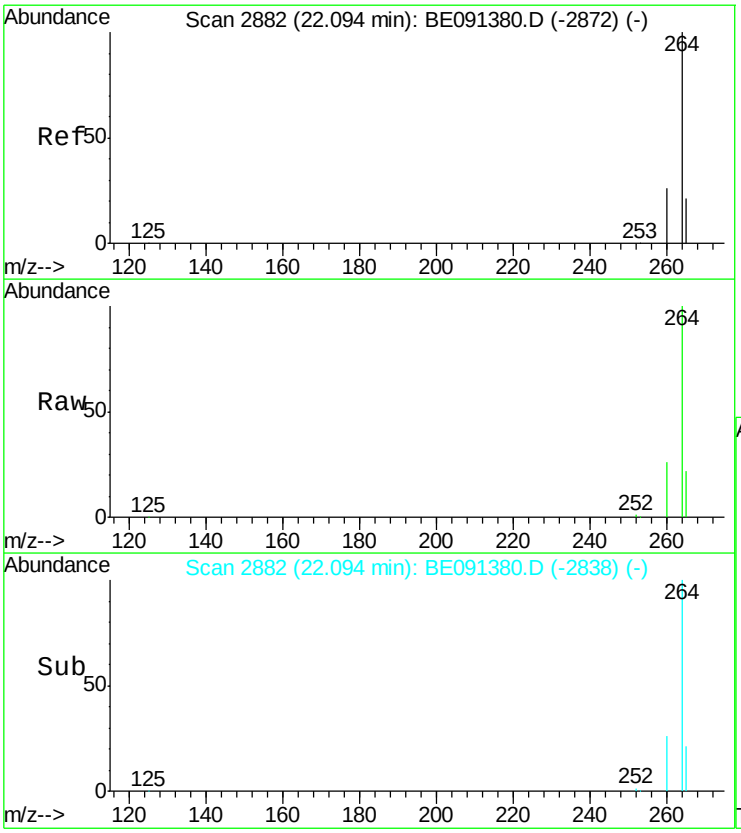
#23
Indeno(1,2,3-cd)pyrene
Concen: 1.07 ng
RT: 23.70 min Scan# 3231
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:276 Resp: 66706

Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.6	27.8
277	23.8	16.5	24.7

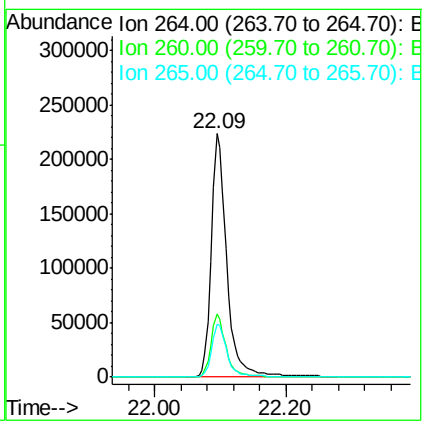


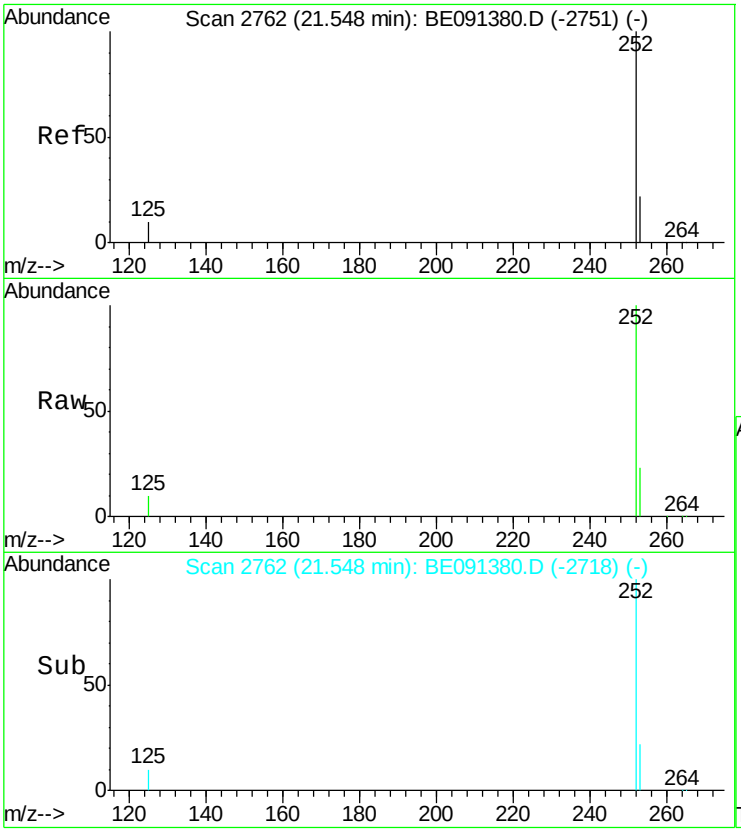


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 2882
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:264 Resp: 369977

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.4	30.6
265	21.5	17.2	25.8



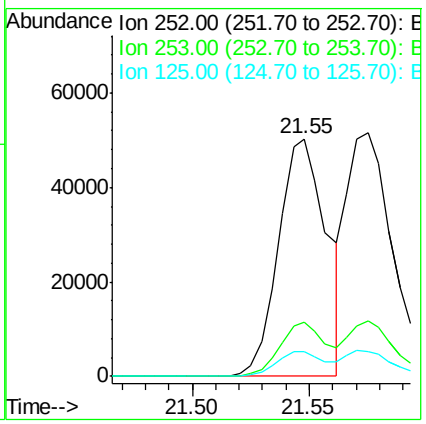


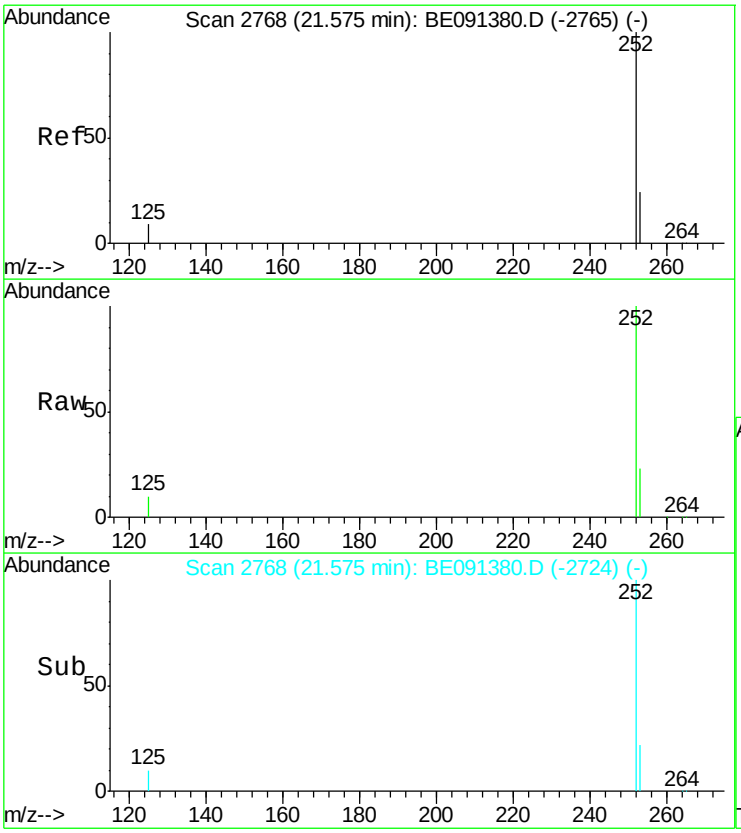
#25
Benzo(b)fluoranthene
Concen: 1.15 ng
RT: 21.55 min Scan# 2762
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:252 Resp: 71378

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	10.4	11.0	16.6#

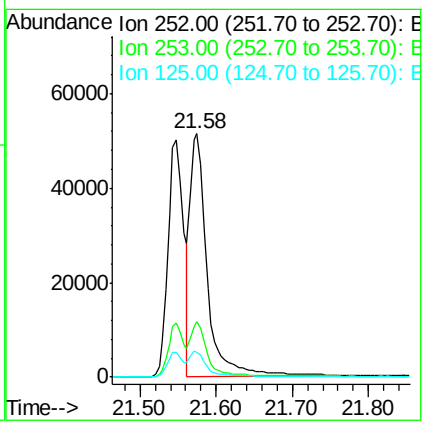


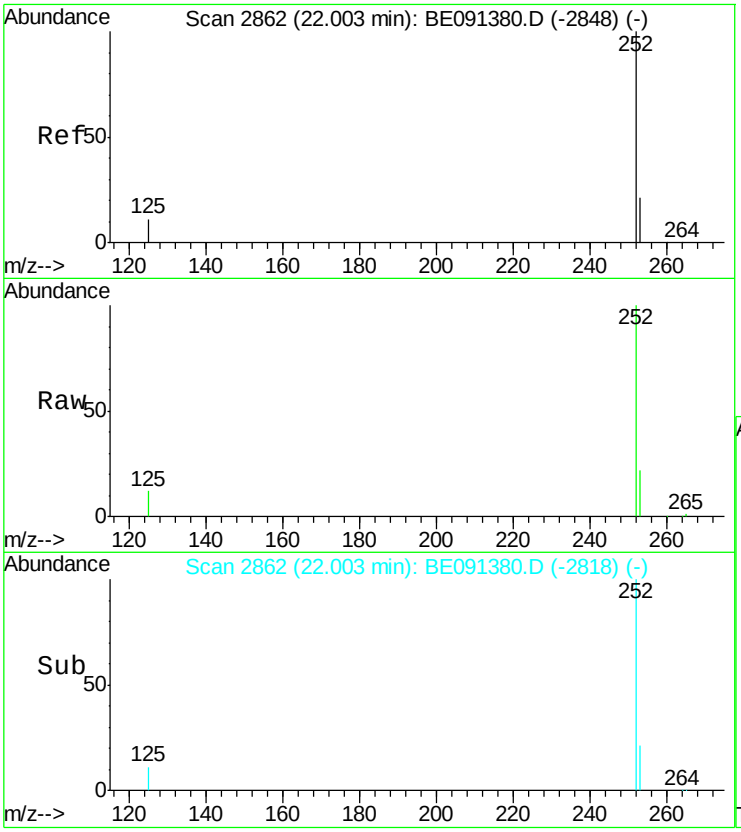


#26
Benzo(k)fluoranthene
Concen: 1.08 ng
RT: 21.58 min Scan# 2768
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:252 Resp: 78639

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.3	11.3	16.9#



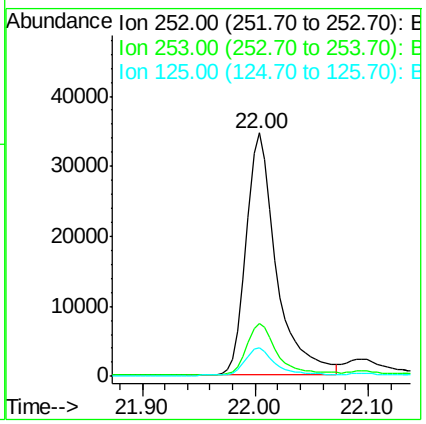


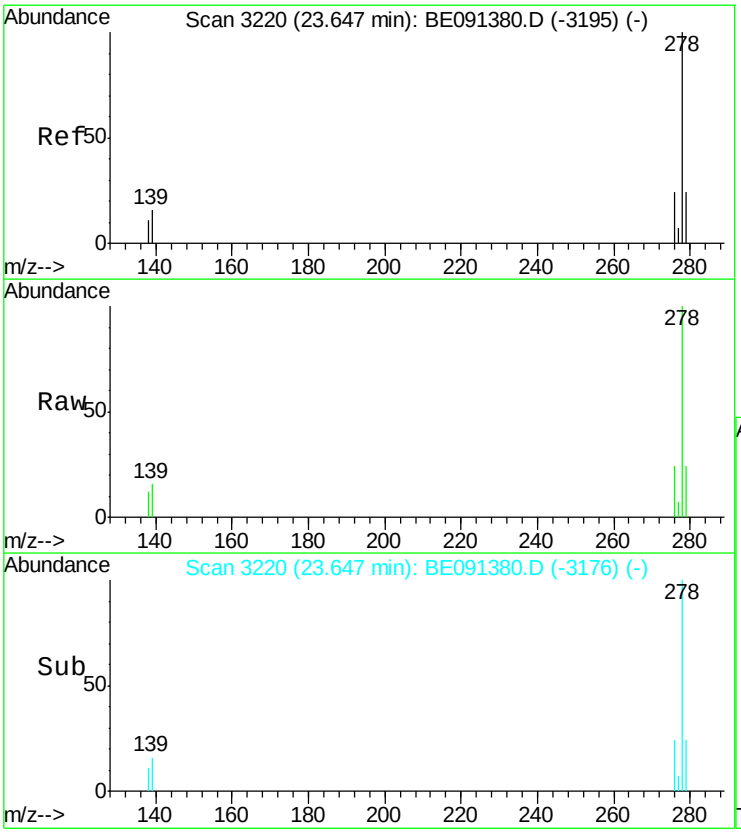
#27
Benzo(a)pyrene
Concen: 0.99 ng
RT: 22.00 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:252 Resp: 62788

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.7	12.2	18.4#

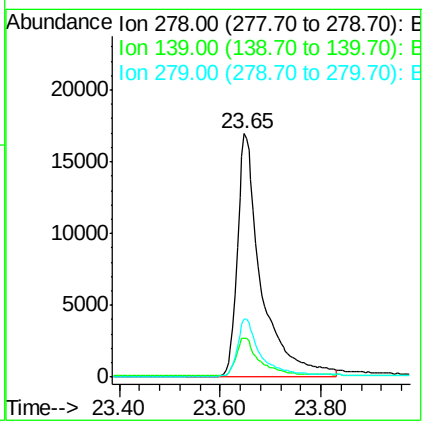


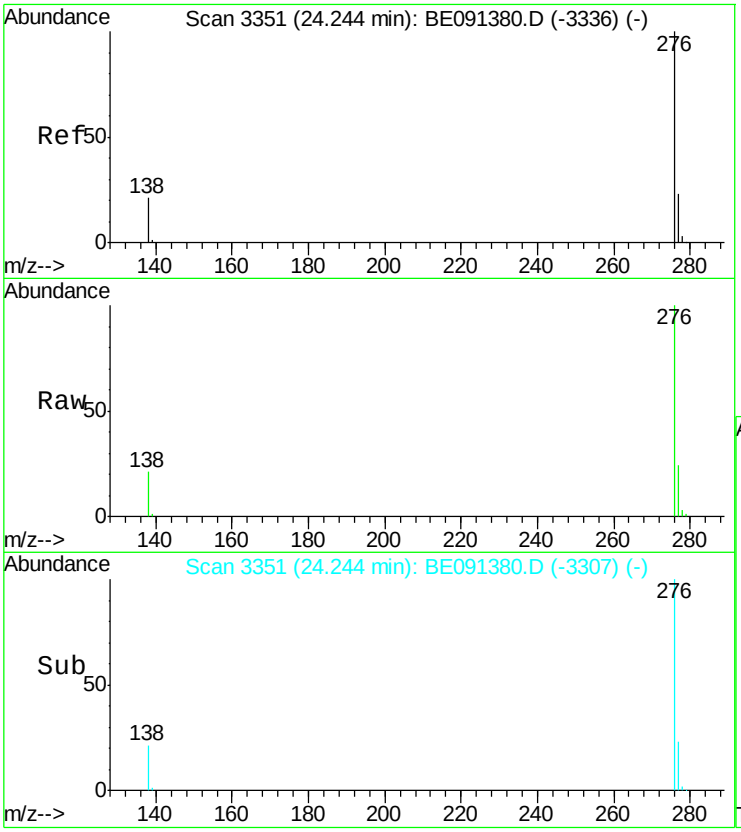


#28
Dibenzo(a,h)anthracene
Concen: 1.18 ng
RT: 23.65 min Scan# 3220
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Tgt Ion:278 Resp: 55507

Ion	Ratio	Lower	Upper
278	100		
139	16.2	16.3	24.5#
279	24.0	19.4	29.2





#29
Benzo(g,h,i)perylene
Concen: 1.17 ng
RT: 24.24 min Scan# 3351
Delta R.T. 0.00 min
Lab File: BE091380.D
Acq: 2 Feb 2016 16:43

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:276 Resp: 70336

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.6
138	21.3	23.3	34.9#