Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102714\
Data File : BE088316.D
Acq On : 27 Oct 2014 15:46
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC001

Quant Time: Oct 28 02:01:18 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 01:58:22 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	30259	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	119313	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	58201	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	120391	5.00	ng	0.00
16) Chrysene-d12	18.35	240	70930	5.00	ng	0.00
22) Perylene-d12	21.41	264	58467	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	9271	1.03	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	17325	1.07	ng	0.00
18) Terphenyl-d14	16.11	244	14209	1.08	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.27	88	4529	1.06	ng	99
5) Naphthalene	8.69	128	25920	1.04	ng	99
6) 2-Methylnaphthalene	9.55	142	16565	1.02	ng	97
9) Acenaphthylene	10.64	152	101591	1.11	ng	100
10) Acenaphthene	10.85	154	14644	1.08	ng	100
11) Fluorene	11.52	166	16764	1.10	ng	99
13) Phenanthrene	12.96	178	118985	1.07	ng	99
14) Anthracene	13.06	178	95263	1.05	ng	99
15) Fluoranthene	15.20	202	22320	1.10	ng	100
17) Pyrene	15.66	202	23798	1.11	ng	100
19) Benzo(a)anthracene	18.33	228	73722	1.14	ng	98
20) Chrysene	18.40	228	76028	1.20	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	56977	0.93	ng	100
23) Benzo(b)fluoranthene	20.65	252	17115	1.24	ng	100
24) Benzo(k)fluoranthene	20.70	252	17814	1.23	ng	100
25) Benzo(a)pyrene	21.29	252	14582	1.14	ng	100
26) Dibenzo(a,h)anthracene	23.68	278	14454	1.19	ng	100
27) Benzo(g,h,i)perylene	24.22	276	63037	1.18	ng	99

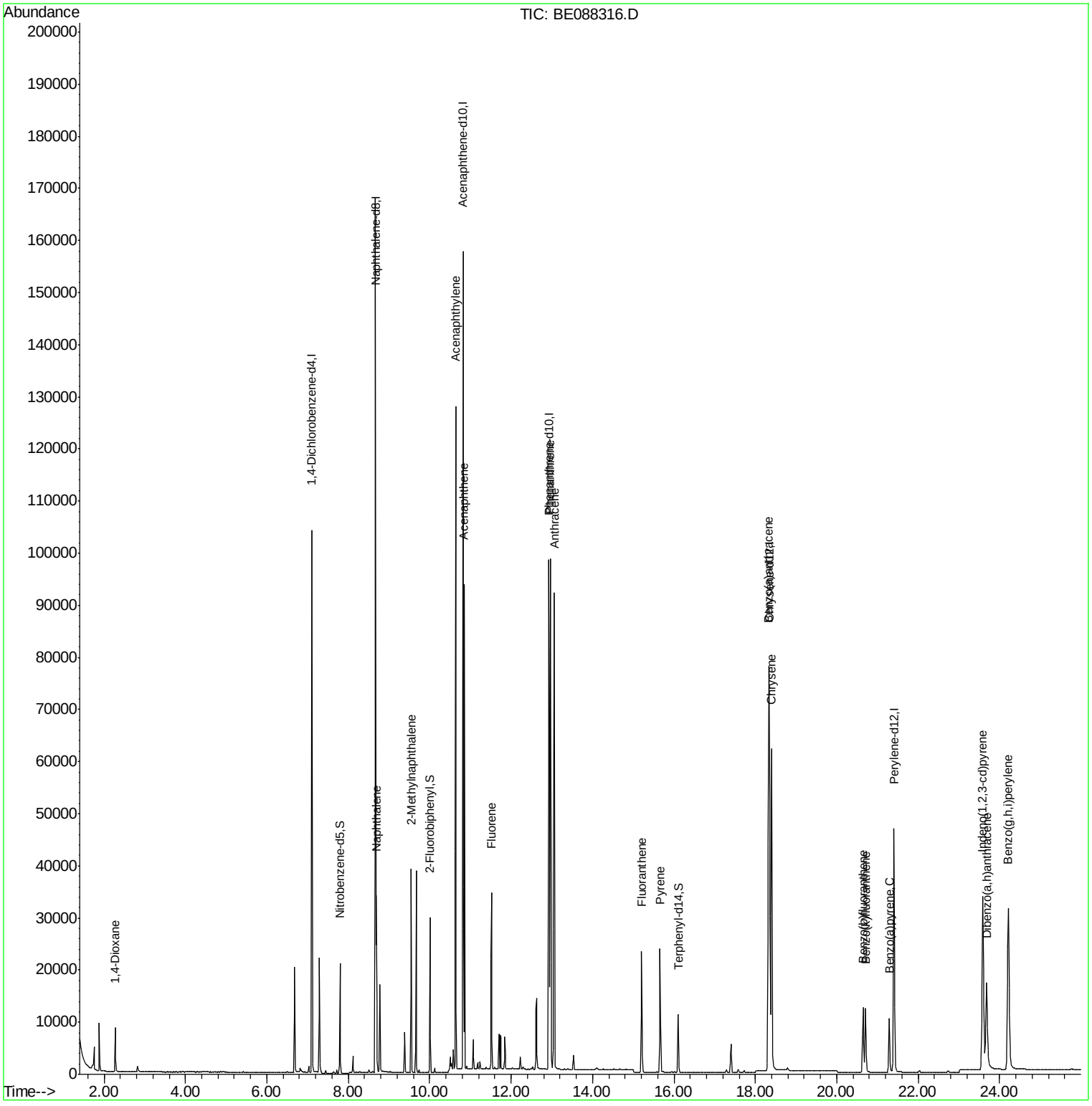
(#) = qualifier out of range (m) = manual integration (+) = signals summed

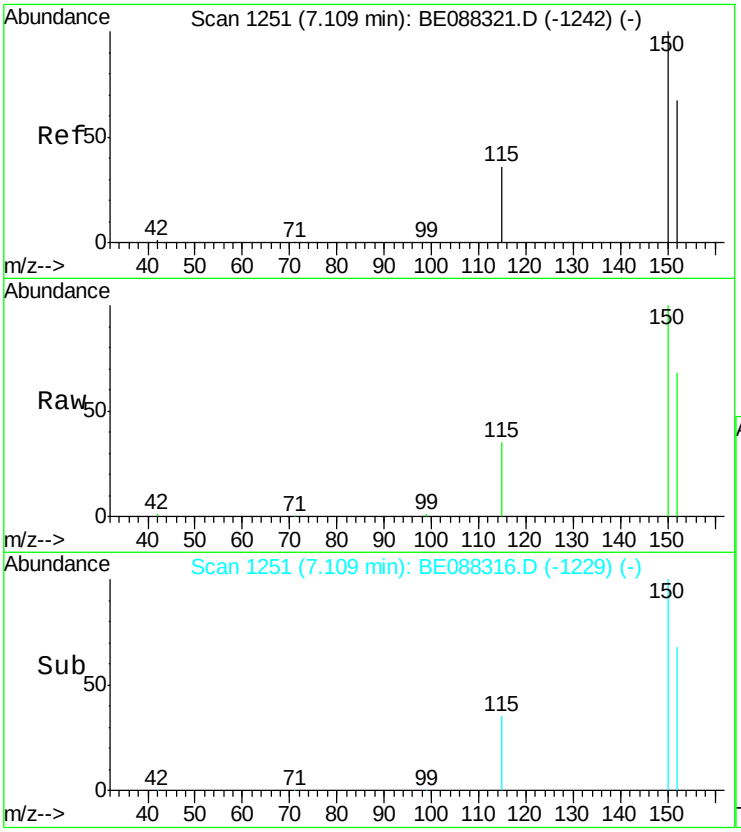
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102714\
Data File : BE088316.D
Acq On : 27 Oct 2014 15:46
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Quant Time: Oct 28 02:01:18 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 01:58:22 2014
Response via : Initial Calibration



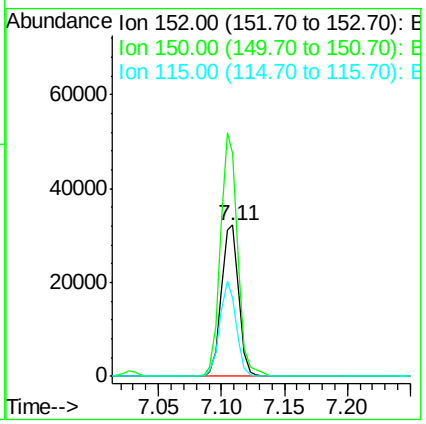


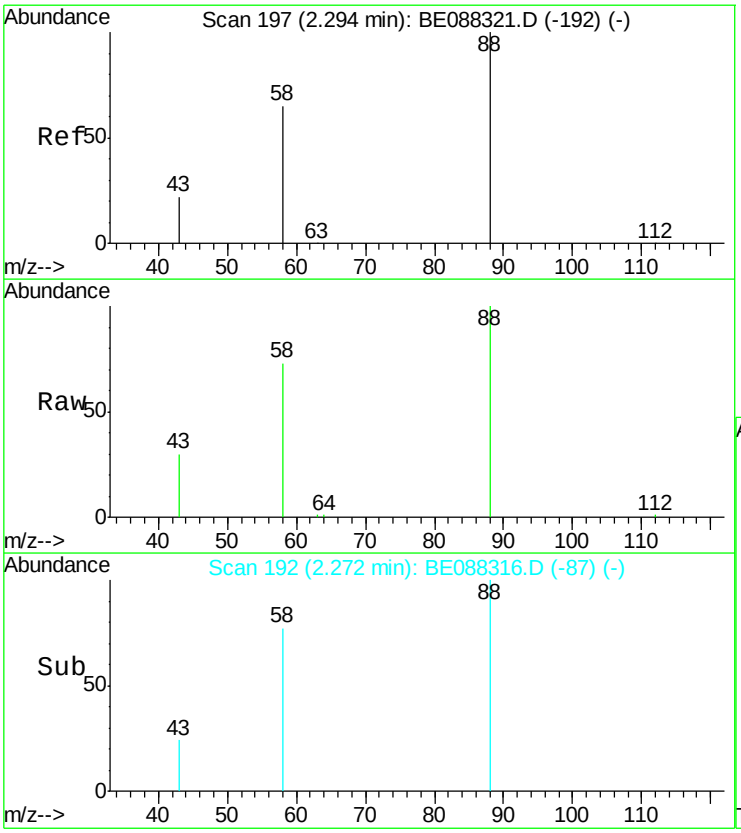
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:152 Resp: 30259

Ion	Ratio	Lower	Upper
152	100		
150	147.4	119.3	178.9
115	51.9	42.6	64.0

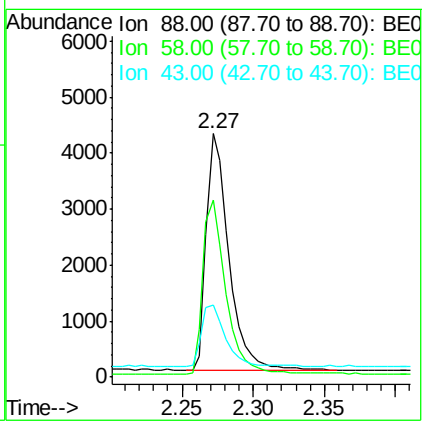


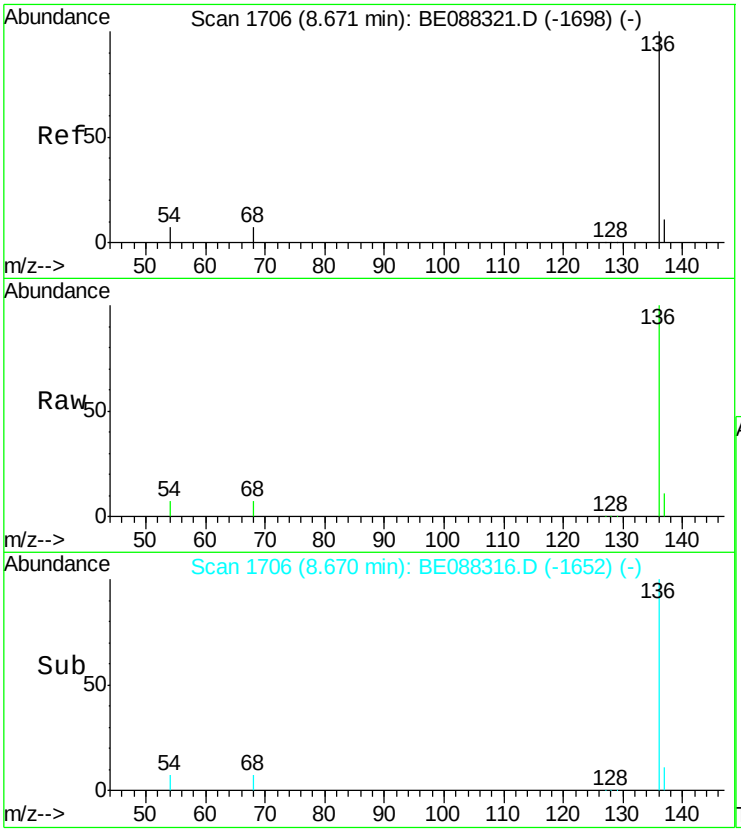


#2
1,4-Dioxane
Concen: 1.06 ng
RT: 2.27 min Scan# 192
Delta R.T. -0.02 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion: 88 Resp: 4529

Ion	Ratio	Lower	Upper
88	100		
58	75.3	59.4	89.0
43	27.4	21.4	32.2



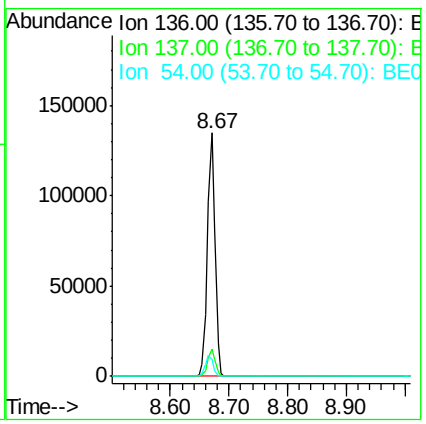


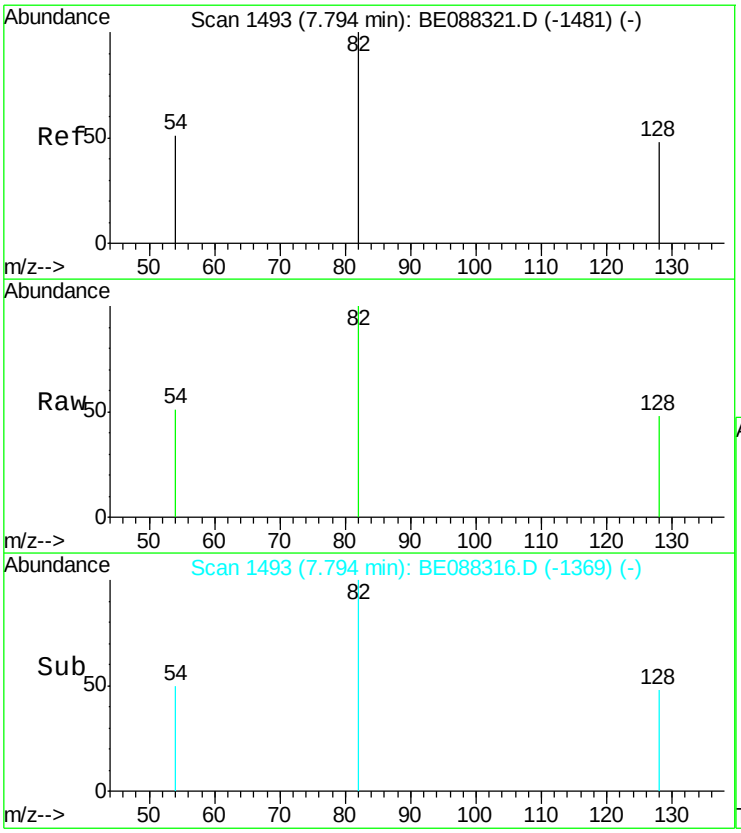
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.67 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:136 Resp: 119313

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.9	5.5	8.3

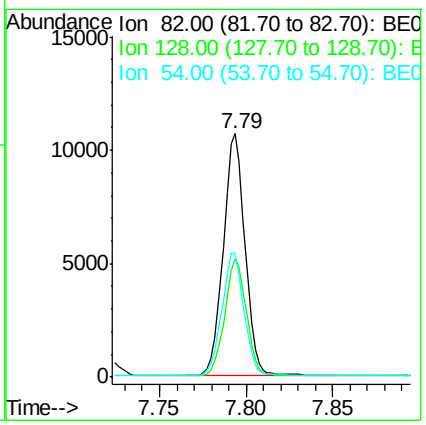


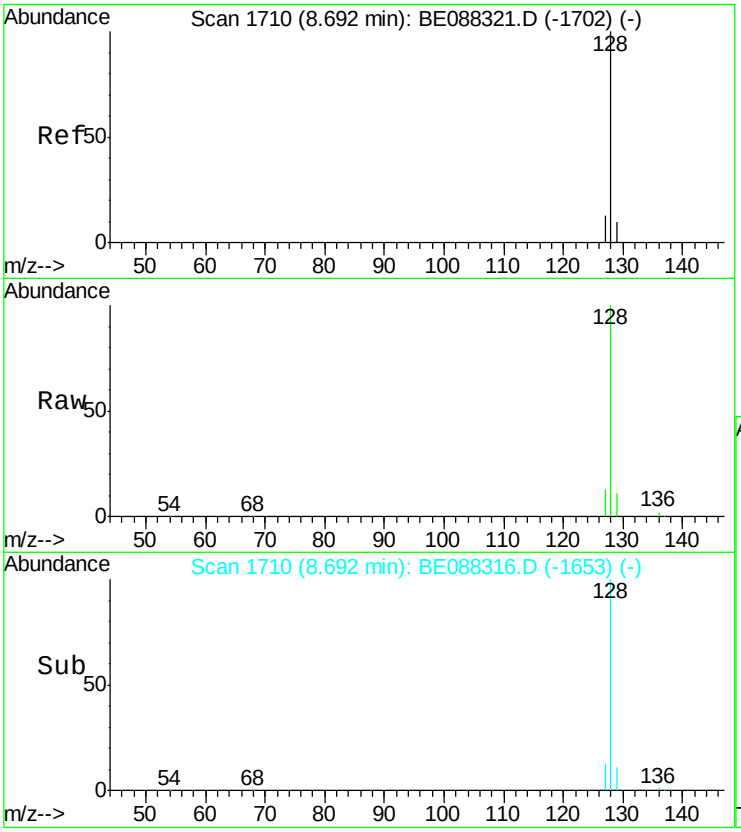


#4
Nitrobenzene-d5
Concen: 1.03 ng
RT: 7.79 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion: 82 Resp: 9271

Ion	Ratio	Lower	Upper
82	100		
128	48.4	38.7	58.1
54	50.8	41.0	61.4



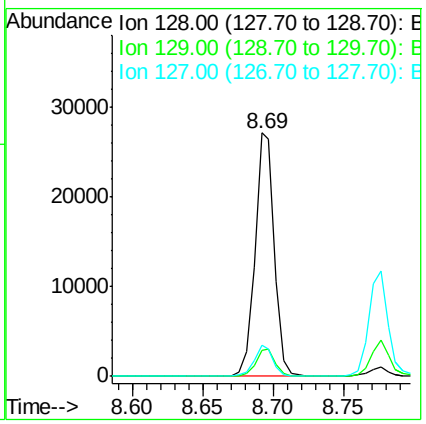


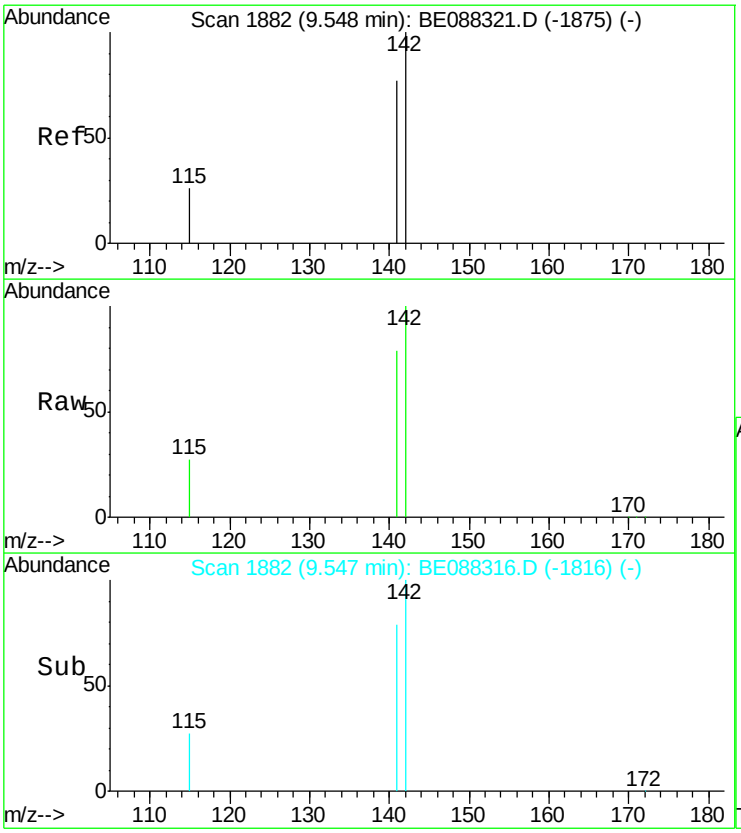
#5
Naphthalene
Concen: 1.04 ng
RT: 8.69 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:128 Resp: 25920

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	13.0	10.2	15.2

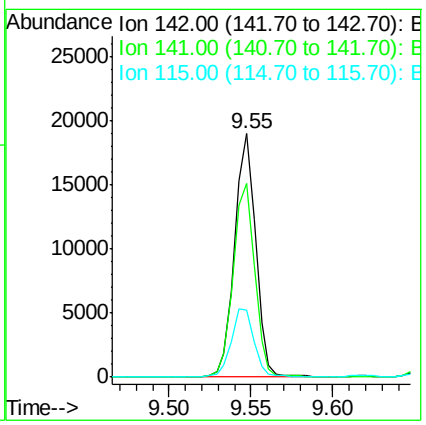


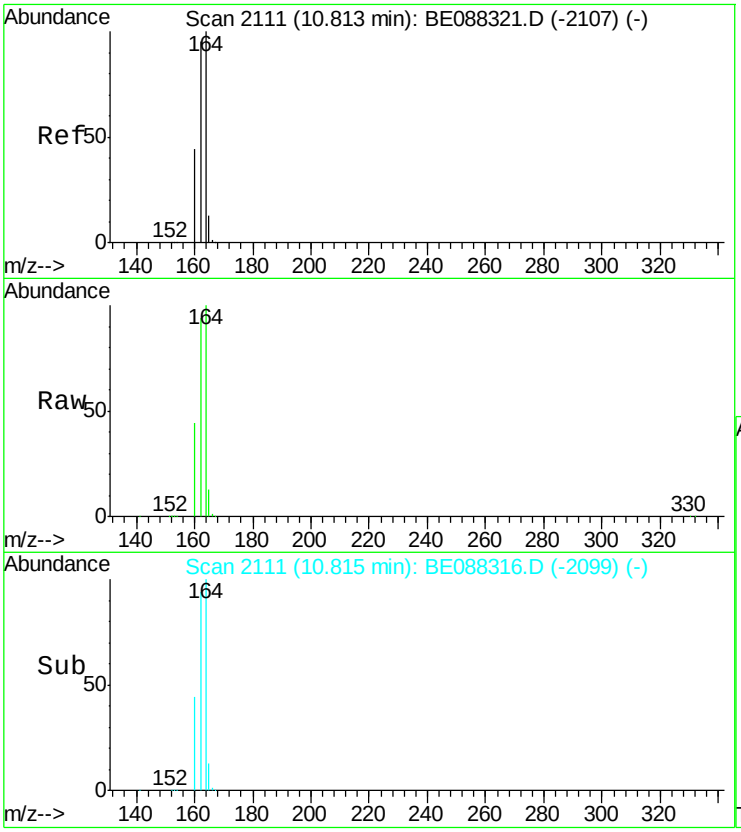


#6
2-Methylnaphthalene
Concen: 1.02 ng
RT: 9.55 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:142 Resp: 16565

Ion	Ratio	Lower	Upper
142	100		
141	79.4	61.4	92.0
115	27.3	21.0	31.6



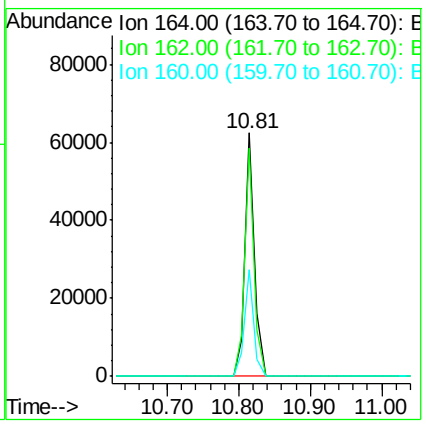


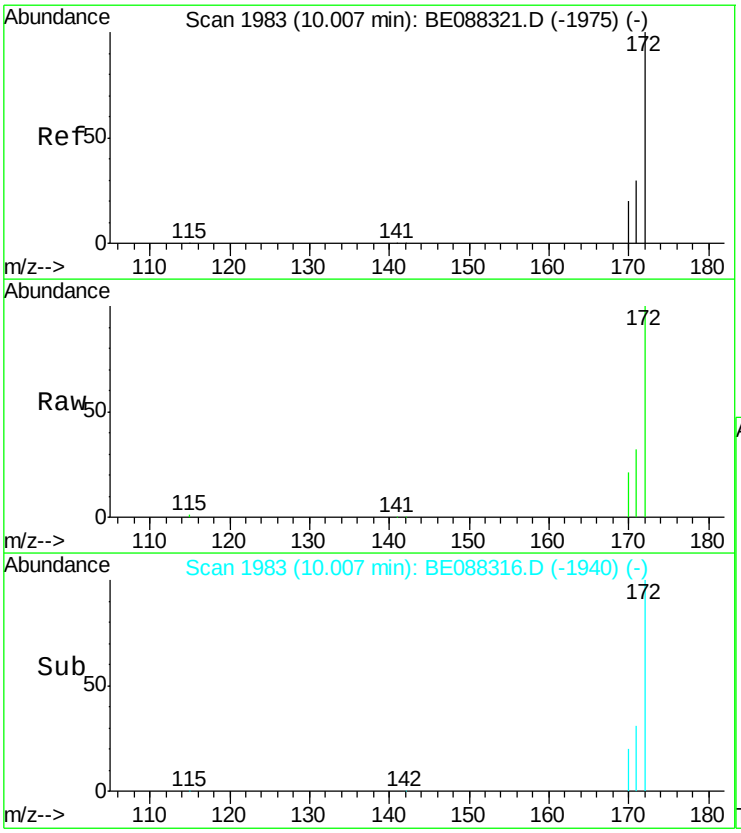
#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.81 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:164 Resp: 58201

Ion	Ratio	Lower	Upper
164	100		
162	93.8	75.7	113.5
160	43.7	35.6	53.4

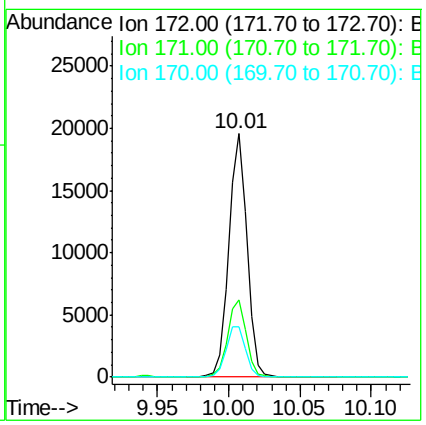


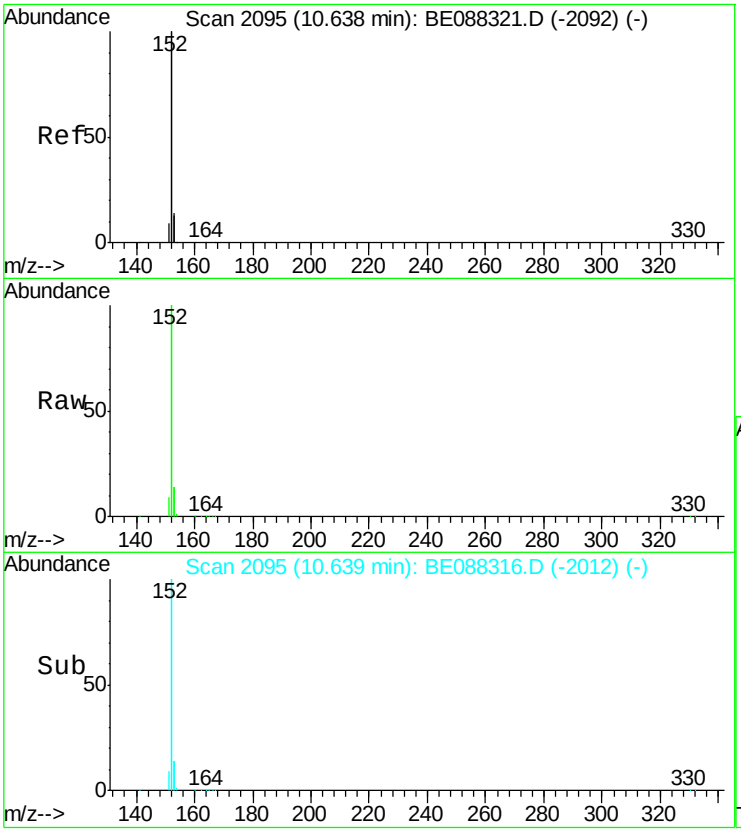


#8
2-Fluorobiphenyl
Concen: 1.07 ng
RT: 10.01 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:172 Resp: 17325

Ion	Ratio	Lower	Upper
172	100		
171	31.5	24.5	36.7
170	20.5	15.8	23.6



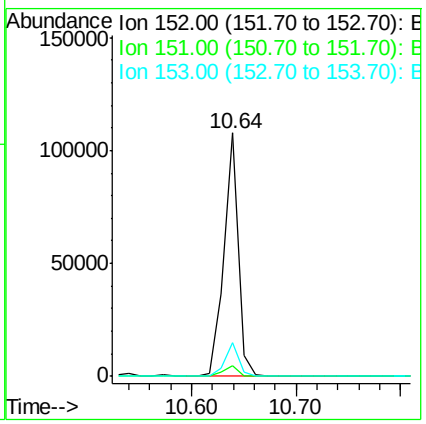


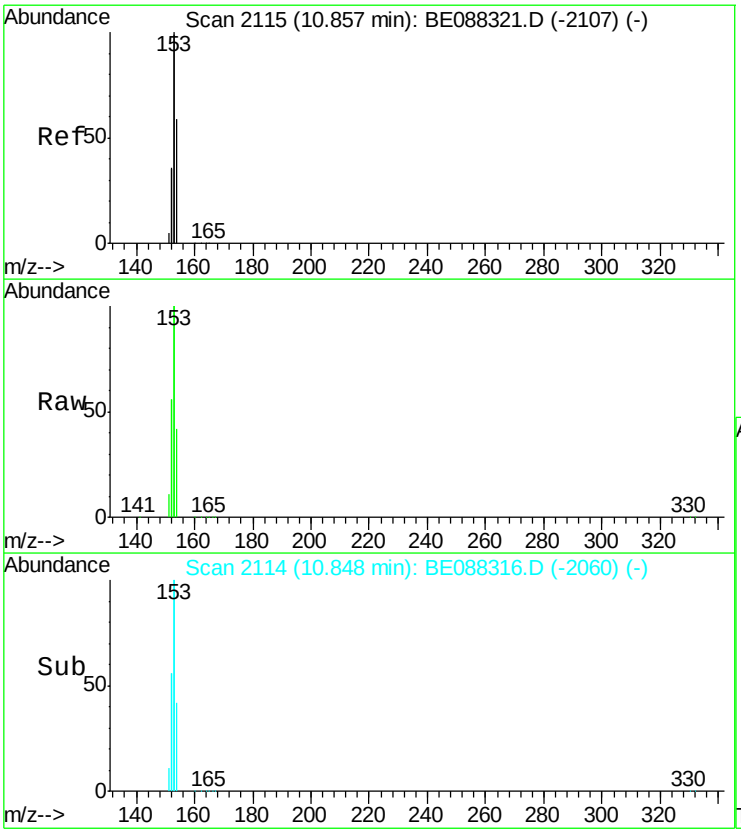
#9
Acenaphthylene
Concen: 1.11 ng
RT: 10.64 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:152 Resp: 101591

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.1	10.5	15.7

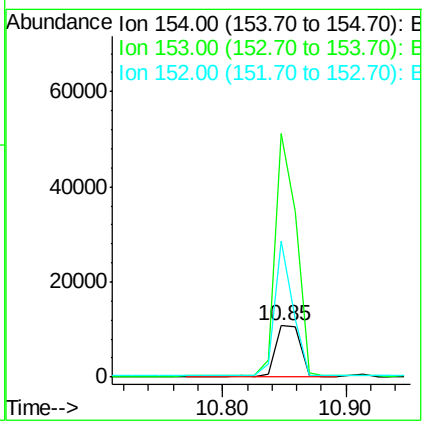


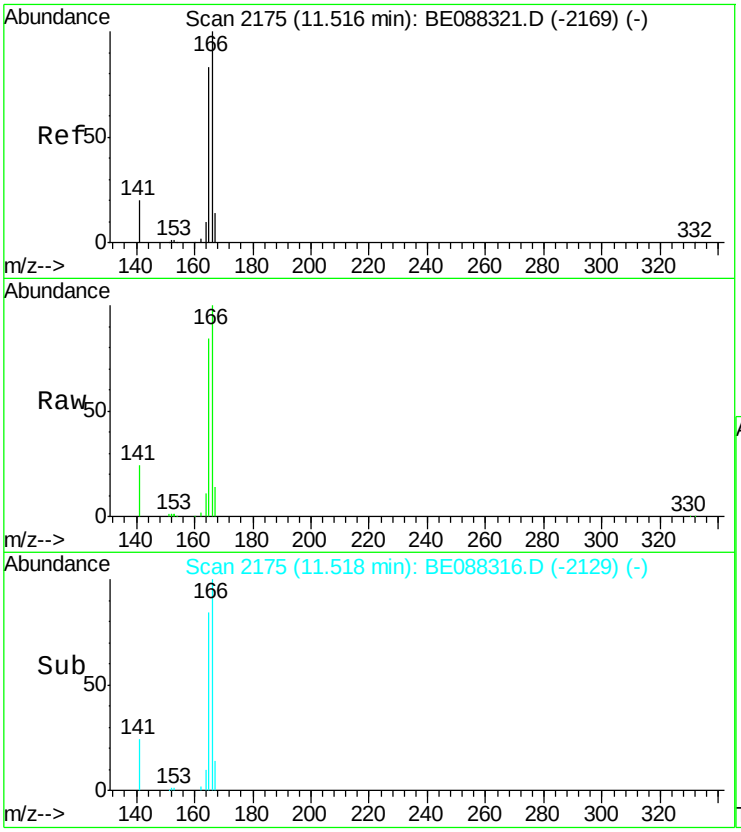


#10
Acenaphthene
Concen: 1.08 ng
RT: 10.85 min Scan# 2114
Delta R.T. -0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:154 Resp: 14644

Ion	Ratio	Lower	Upper
154	100		
153	403.9	323.8	485.6
152	193.7	154.8	232.2



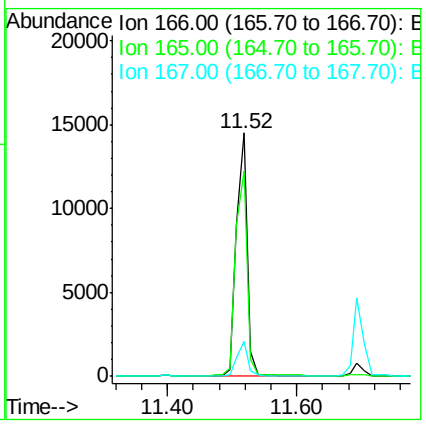


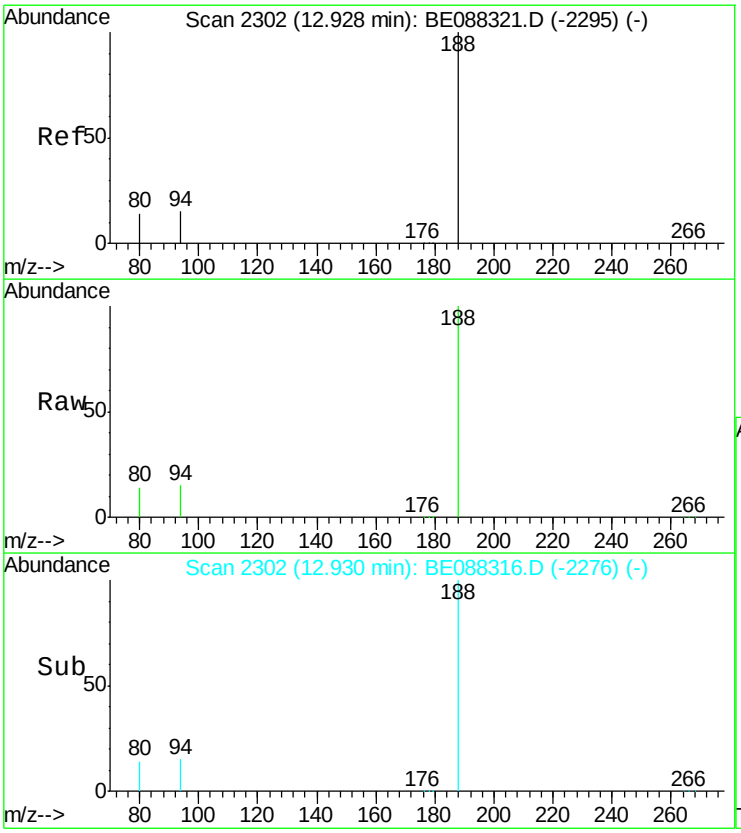
#11
Fluorene
Concen: 1.10 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:166 Resp: 16764

Ion	Ratio	Lower	Upper
166	100		
165	89.1	70.6	105.8
167	13.4	10.7	16.1

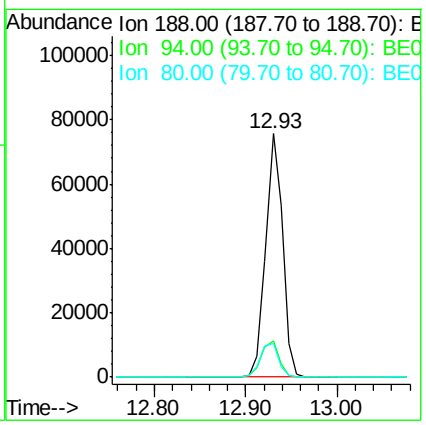


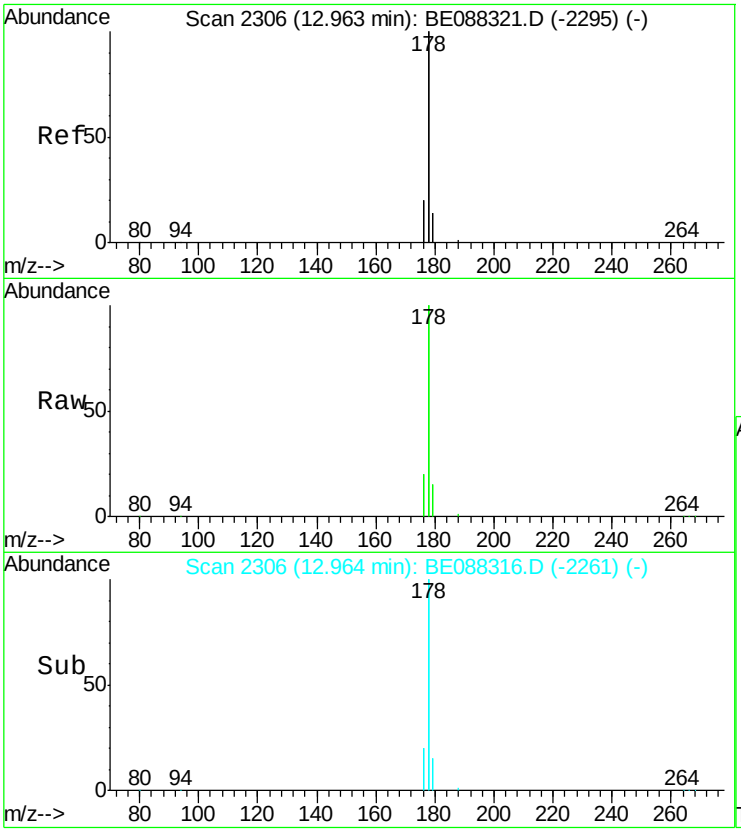


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.93 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:188 Resp: 120391

Ion	Ratio	Lower	Upper
188	100		
94	15.1	12.0	18.0
80	13.9	11.3	16.9



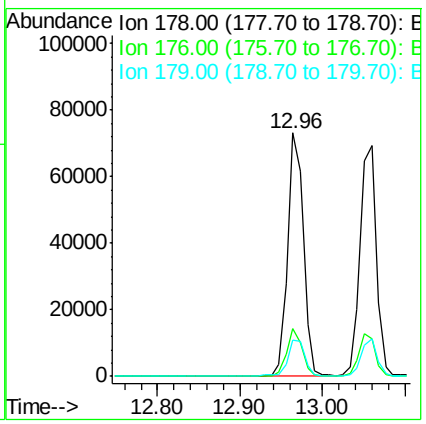


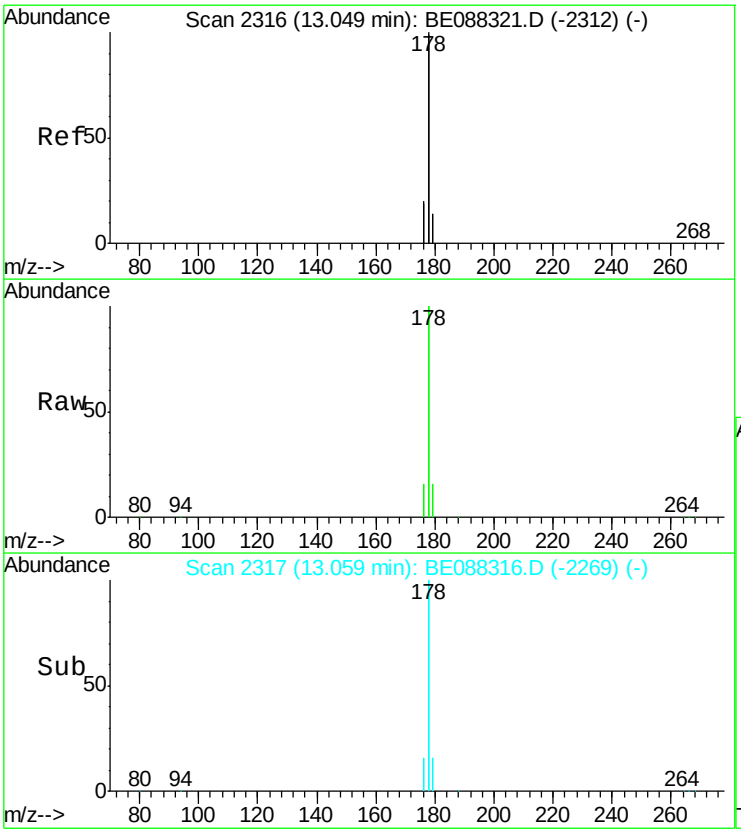
#13
Phenanthrene
Concen: 1.07 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:178 Resp: 118985

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.6
179	16.9	13.2	19.8

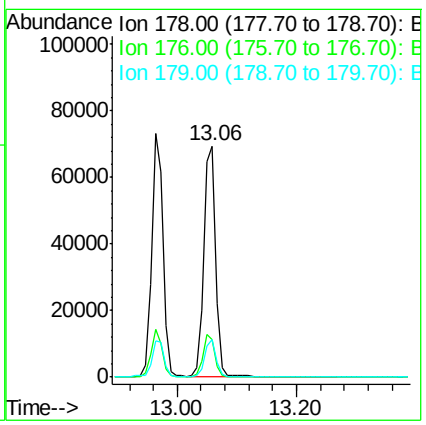


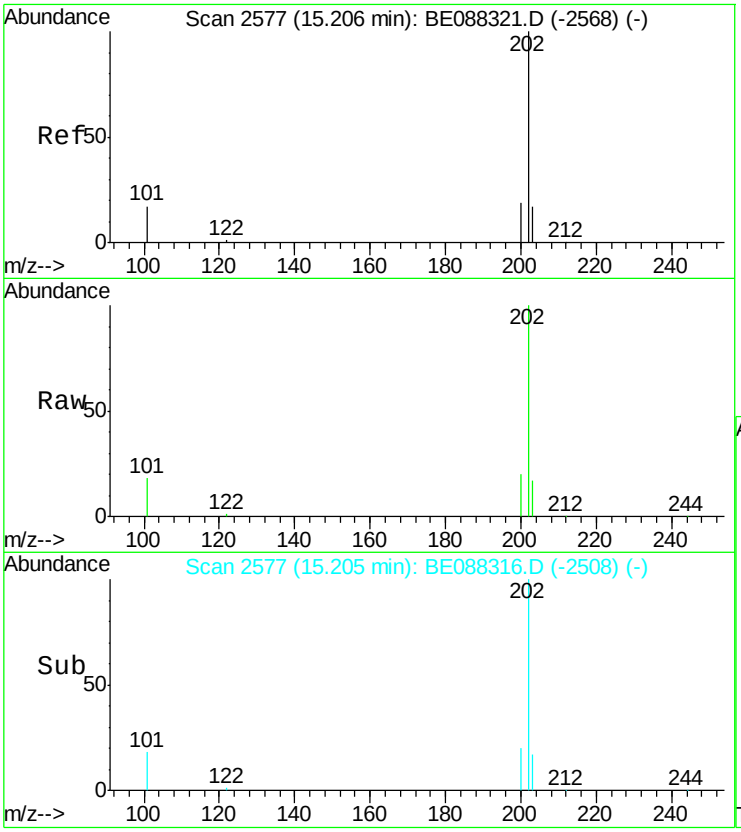


#14
Anthracene
Concen: 1.05 ng
RT: 13.06 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:178 Resp: 95263

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.2	12.6	18.8



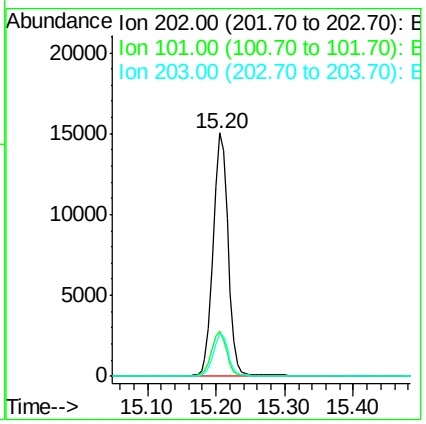


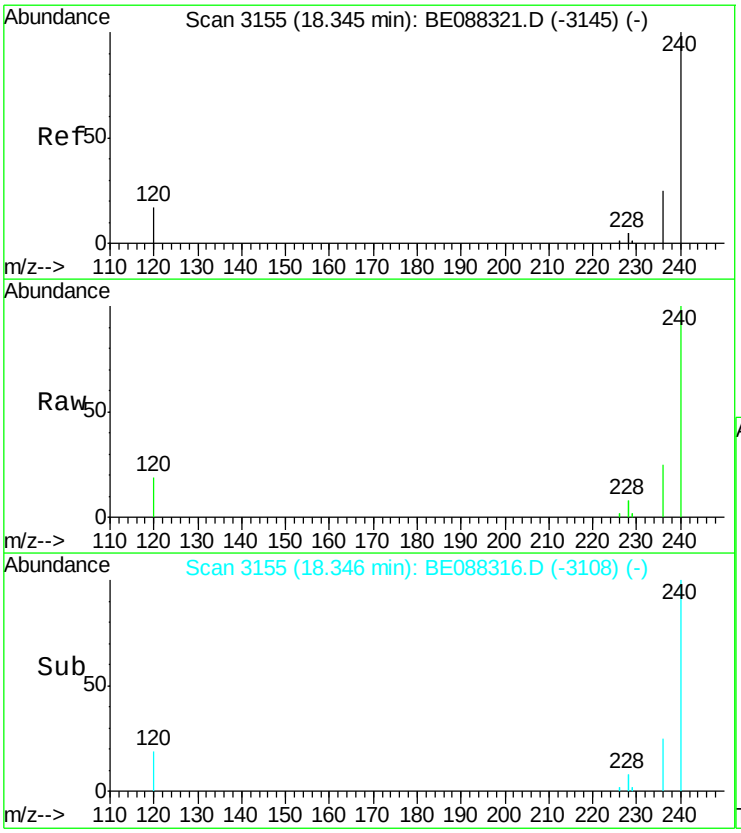
#15
Fluoranthene
Concen: 1.10 ng
RT: 15.20 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 22320

Ion	Ratio	Lower	Upper
202	100		
101	18.1	14.6	21.8
203	17.1	13.8	20.6

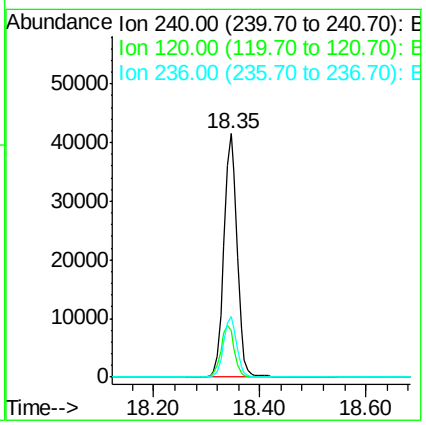


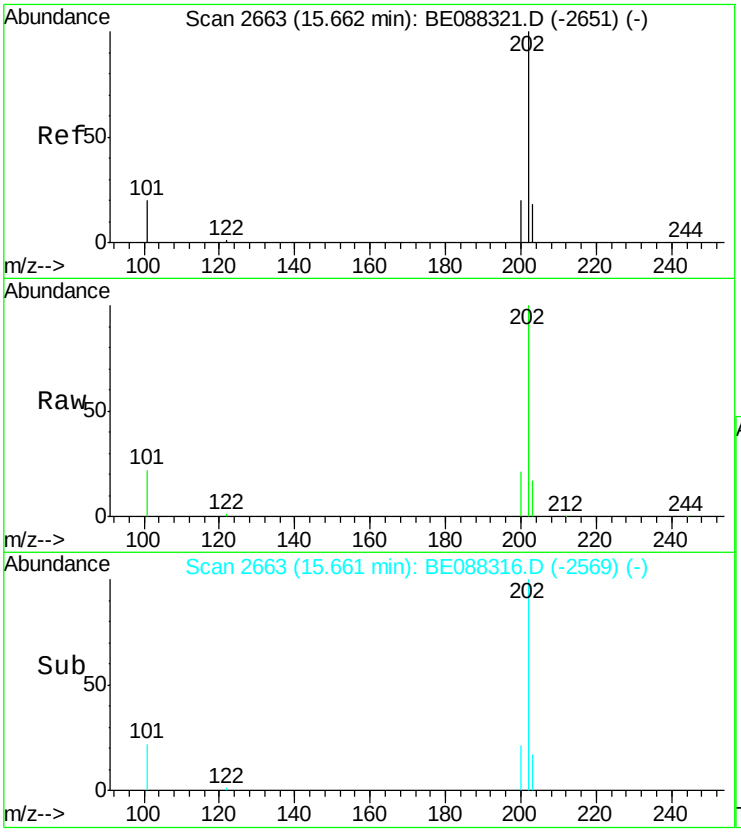


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.35 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:240 Resp: 70930

Ion	Ratio	Lower	Upper
240	100		
120	19.1	13.4	20.0
236	24.8	20.0	30.0



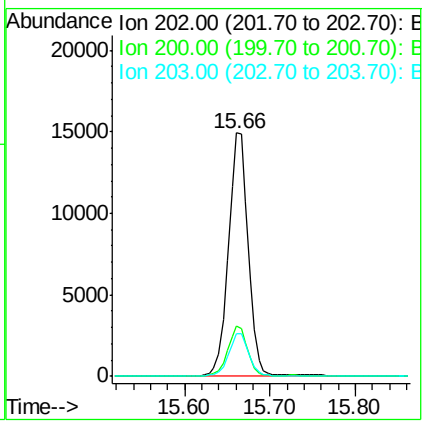


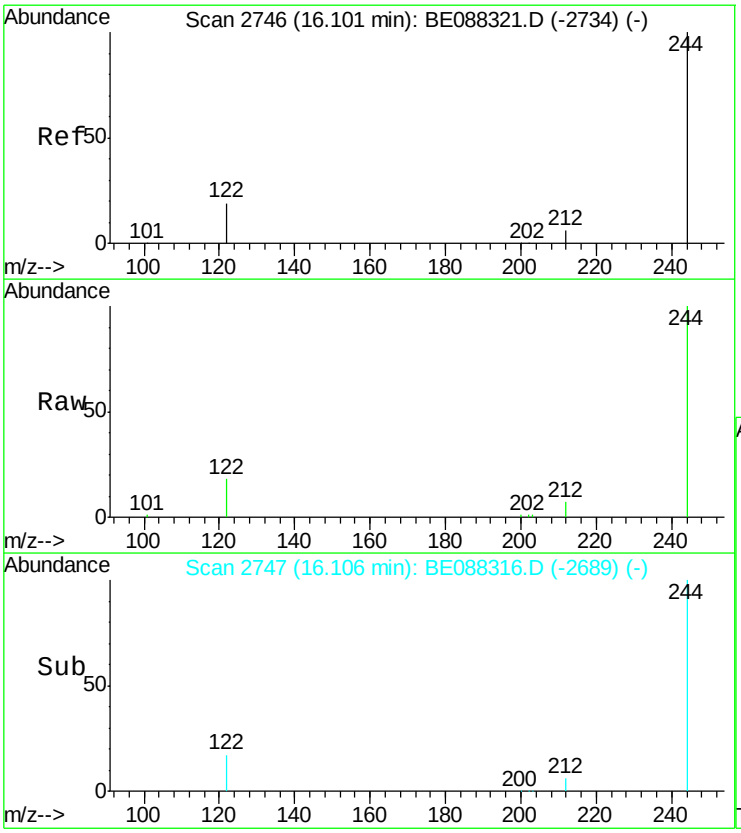
#17
Pyrene
Concen: 1.11 ng
RT: 15.66 min Scan# 2663
Delta R.T. -0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 23798

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.3	13.9	20.9

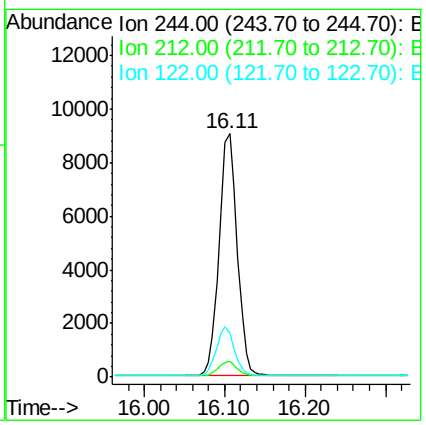


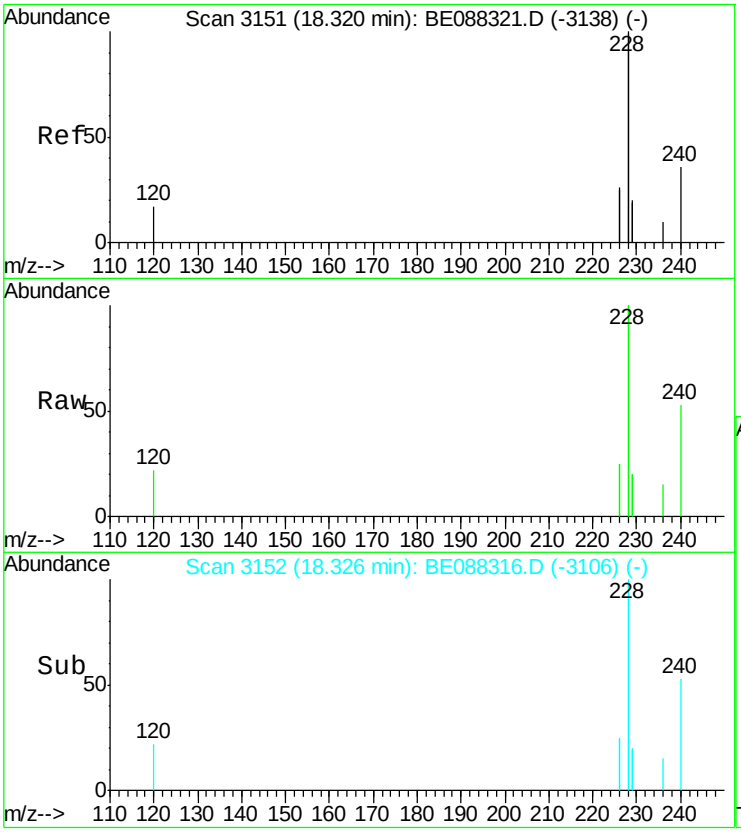


#18
Terphenyl-d14
Concen: 1.08 ng
RT: 16.11 min Scan# 2747
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:244 Resp: 14209

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	17.8	15.8	23.8



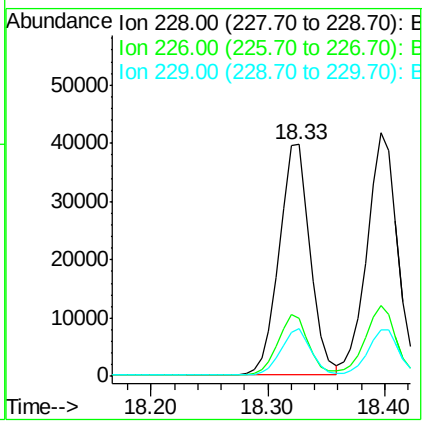


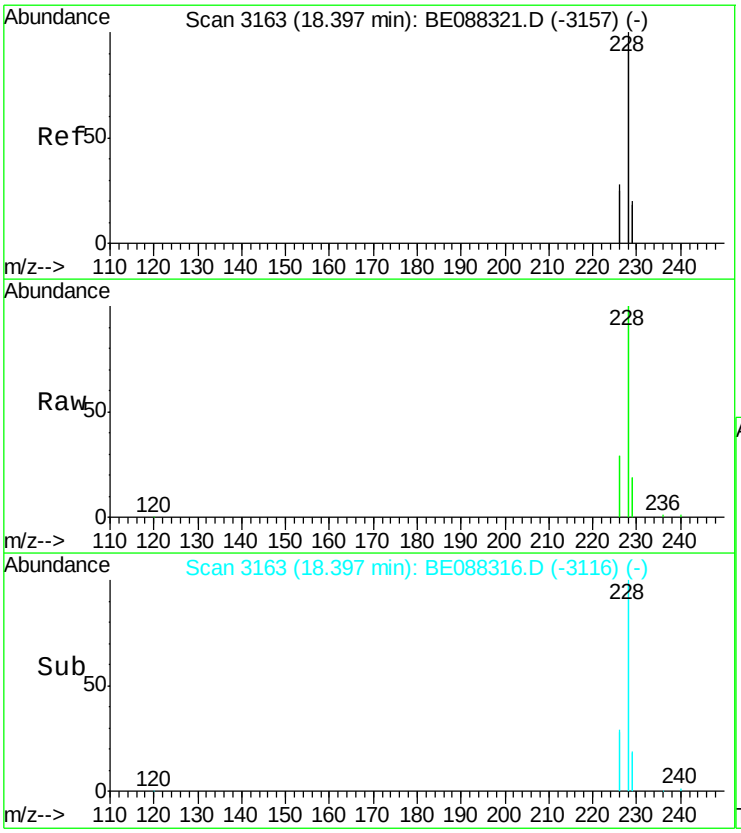
#19
Benzo(a)anthracene
Concen: 1.14 ng
RT: 18.33 min Scan# 3152
Delta R.T. 0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:228 Resp: 73722

Ion	Ratio	Lower	Upper
228	100		
226	25.0	20.7	31.1
229	20.4	15.7	23.5

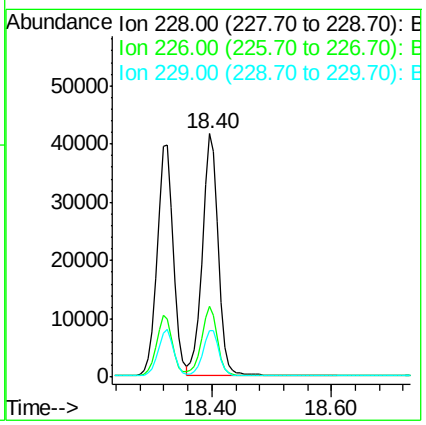


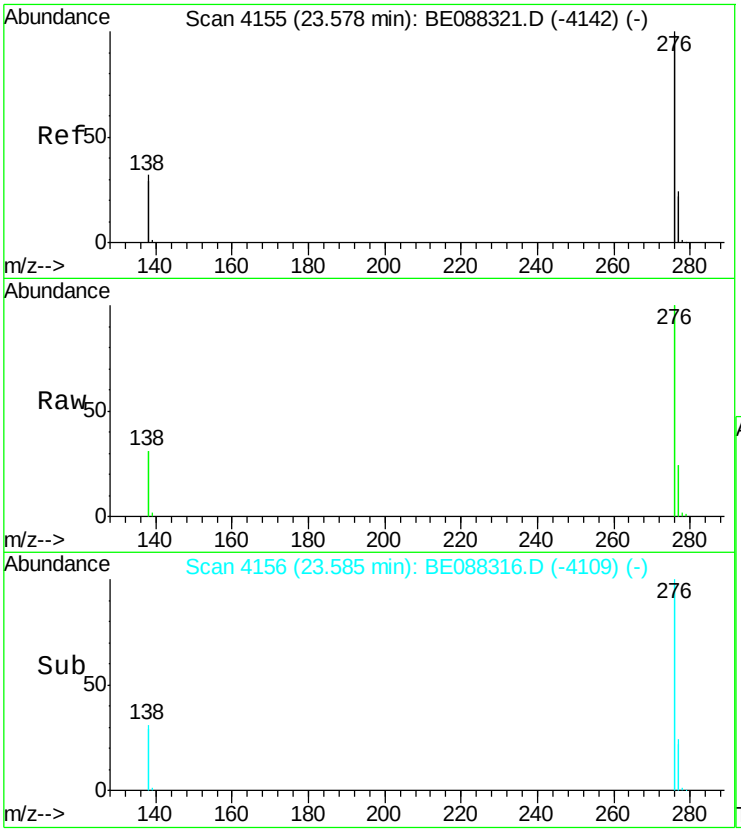


#20
Chrysene
Concen: 1.20 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:228 Resp: 76028

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.7	34.1
229	19.1	15.6	23.4



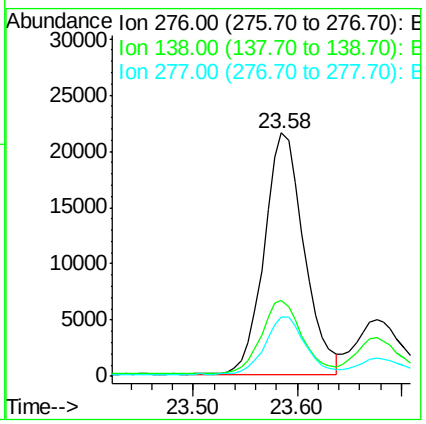


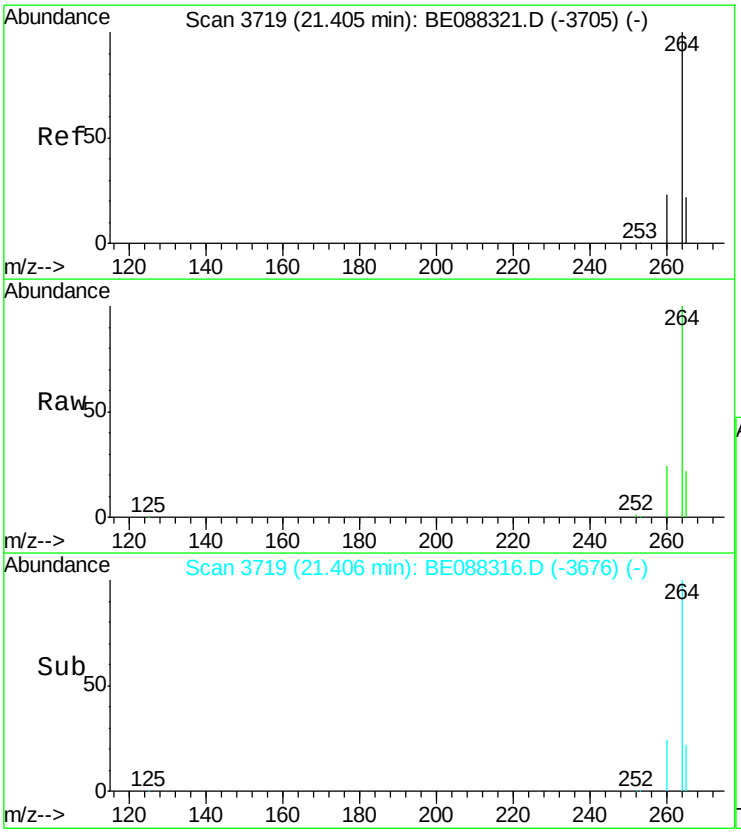
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.93 ng
RT: 23.58 min Scan# 4156
Delta R.T. 0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:276 Resp: 56977

Ion	Ratio	Lower	Upper
276	100		
138	30.9	24.6	37.0
277	23.7	19.0	28.6

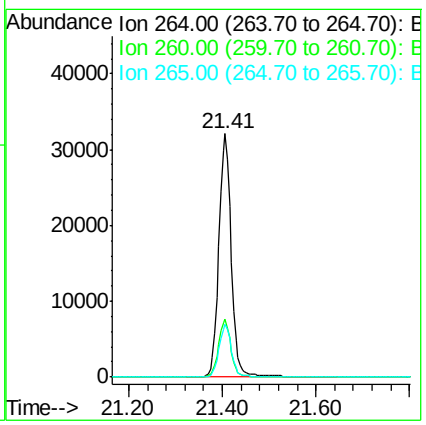


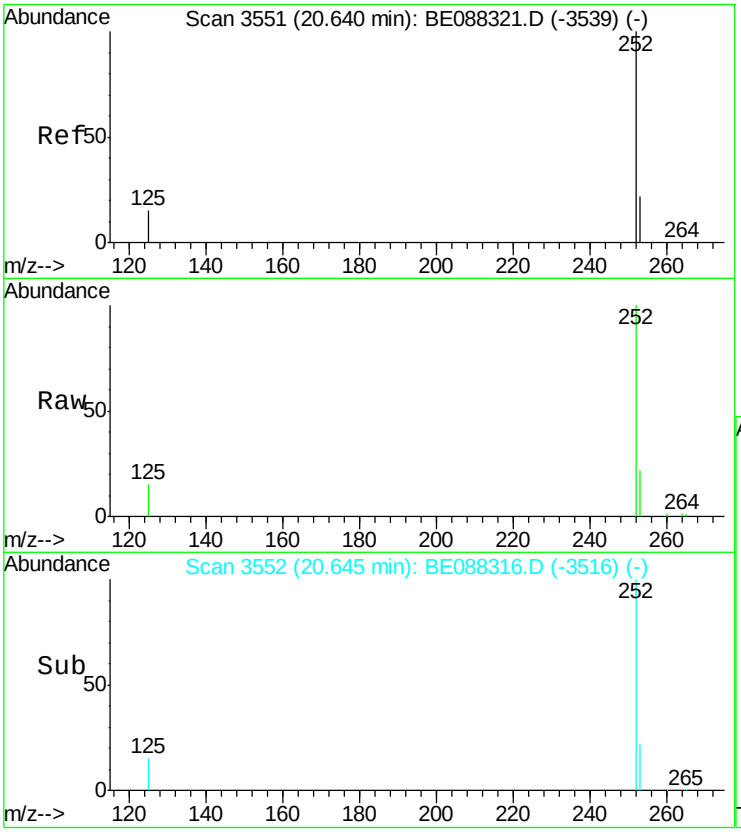


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.41 min Scan# 3719
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:264 Resp: 58467

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.7	17.4	26.0



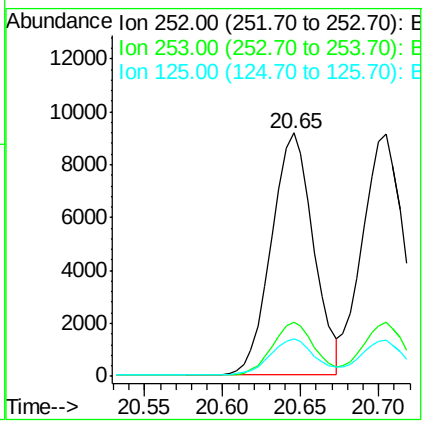


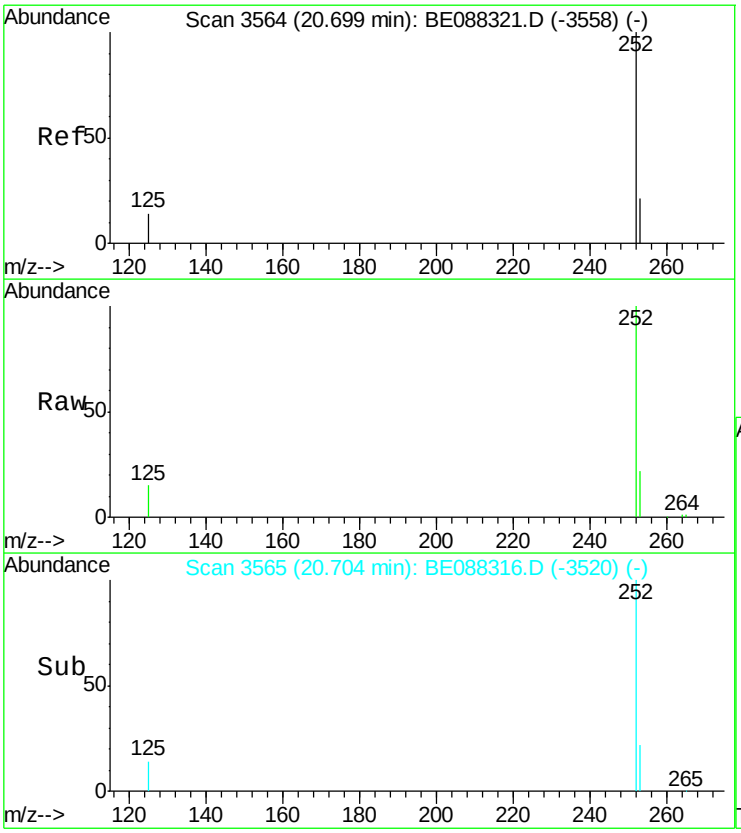
#23
Benzo(b)fluoranthene
Concen: 1.24 ng
RT: 20.65 min Scan# 3552
Delta R.T. 0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 17115

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	15.4	12.2	18.2

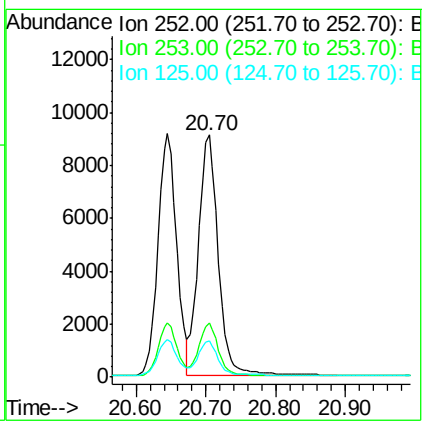


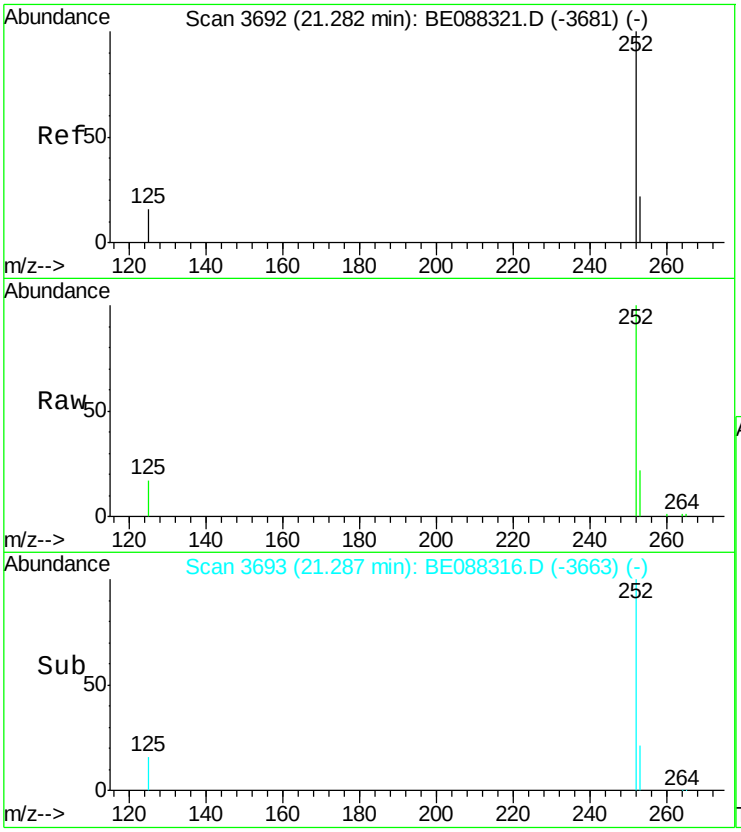


#24
Benzo(k)fluoranthene
Concen: 1.23 ng
RT: 20.70 min Scan# 3565
Delta R.T. 0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:252 Resp: 17814

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	14.9	11.9	17.9



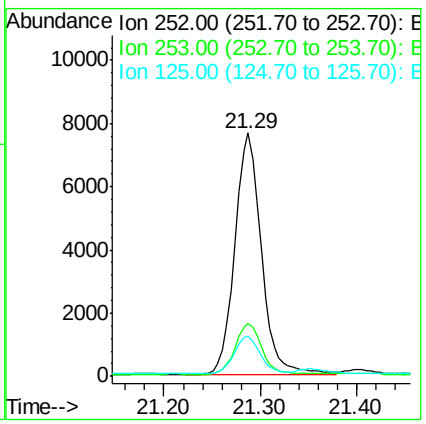


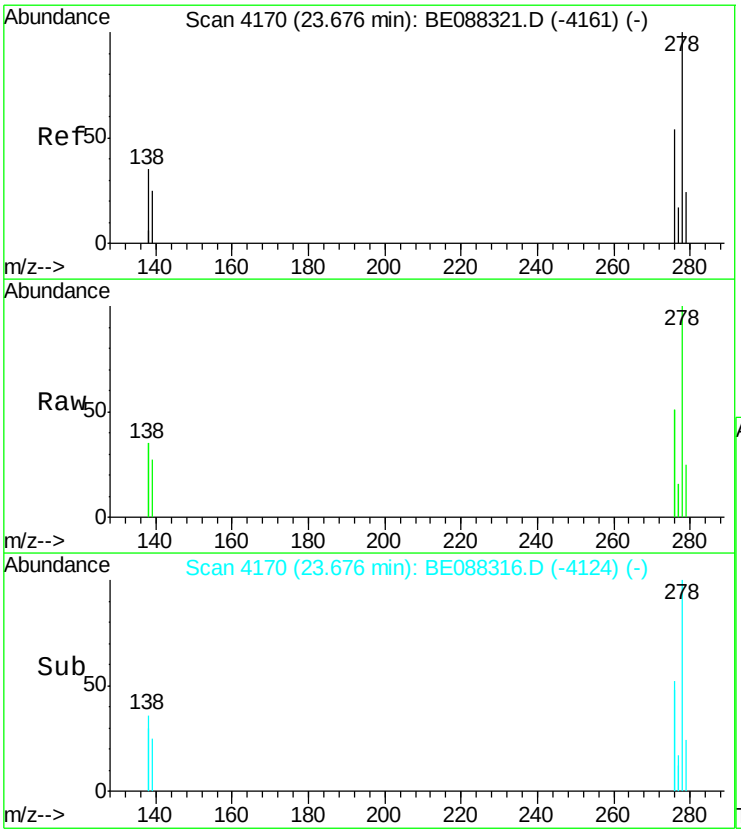
#25
Benzo(a)pyrene
Concen: 1.14 ng
RT: 21.29 min Scan# 3693
Delta R.T. 0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 14582

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	16.6	13.2	19.8

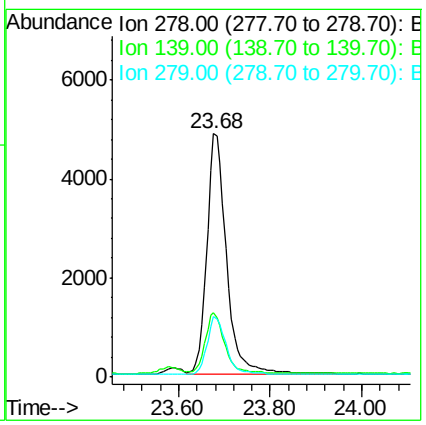


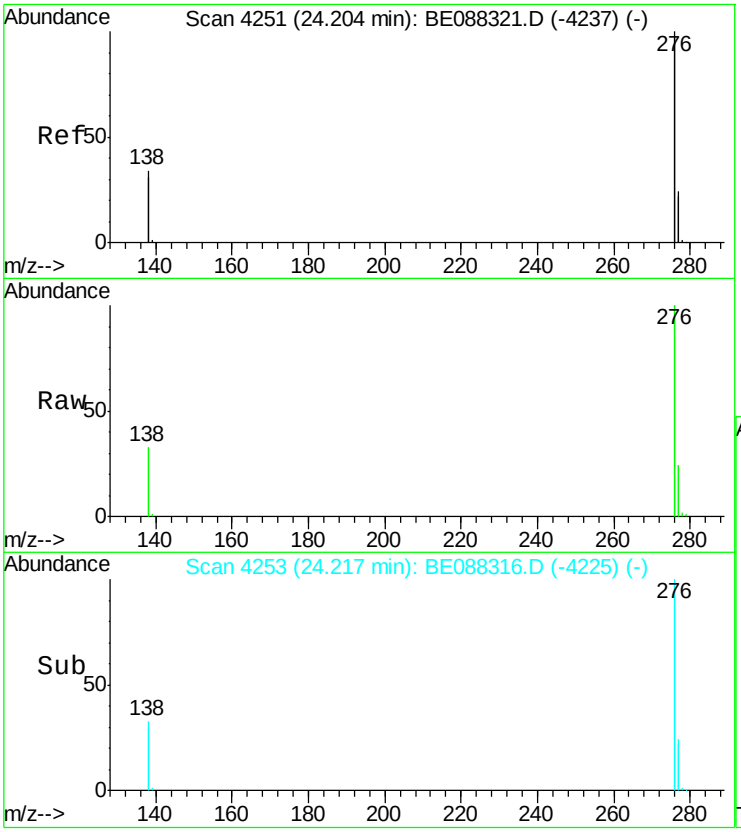


#26
Dibenzo(a,h)anthracene
Concen: 1.19 ng
RT: 23.68 min Scan# 4170
Delta R.T. 0.00 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Tgt Ion:278 Resp: 14454

Ion	Ratio	Lower	Upper
278	100		
139	26.6	21.0	31.4
279	24.8	19.8	29.8





#27
Benzo(g,h,i)perylene
Concen: 1.18 ng
RT: 24.22 min Scan# 4253
Delta R.T. 0.01 min
Lab File: BE088316.D
Acq: 27 Oct 2014 15:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:276 Resp: 63037

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	32.8	27.0	40.4