Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088210.D
Acq On : 24 Oct 2014 13:46
Operator : TP/JJ
Sample : SSTDICC0.5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.5

Quant Time: Oct 27 12:42:03 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 12:38:23 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	58770	5.00	ng		0.00
3) Naphthalene-d8	8.68	136	224962	5.00	ng		0.00
7) Acenaphthene-d10	10.82	164	102142	5.00	ng		0.00
12) Phenanthrene-d10	12.94	188	178486	5.00	ng		0.00
16) Chrysene-d12	18.34	240	101054	5.00	ng		0.00
22) Perylene-d12	21.40	264	91713	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.80	82	6513	0.47	ng		0.00
8) 2-Fluorobiphenyl	10.01	172	14994	0.53	ng		0.00
18) Terphenyl-d14	16.11	244	8644	0.52	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.39	88	4177	0.51	ng		100
5) Naphthalene	8.70	128	23938	0.52	ng		99
6) 2-Methylnaphthalene	9.55	142	14462	0.52	ng		100
9) Acenaphthylene	10.64	152	80056	0.52	ng		100
10) Acenaphthene	10.86	154	12689	0.53	ng		99
11) Fluorene	11.52	166	12958	0.53	ng		100
13) Phenanthrene	12.97	178	89924	0.61	ng		94
14) Anthracene	13.06	178	66573	0.52	ng		99
15) Fluoranthene	15.21	202	13711	0.53	ng		99
17) Pyrene	15.67	202	14678	0.53	ng		100
19) Benzo(a)anthracene	18.32	228	39876	0.50	ng		99
20) Chrysene	18.40	228	46692	0.52	ng		98
21) Indeno(1,2,3-cd)pyrene	23.57	276	19641	0.25	ng	#	72
23) Benzo(b)fluoranthene	20.64	252	7211	0.48	ng		99
24) Benzo(k)fluoranthene	20.70	252	12419	0.52	ng		99
25) Benzo(a)pyrene	21.28	252	7073	0.48	ng		98
26) Dibenzo(a,h)anthracene	23.68	278	6626	0.47	ng		96
27) Benzo(g,h,i)perylene	24.20	276	36956	0.50	ng		98

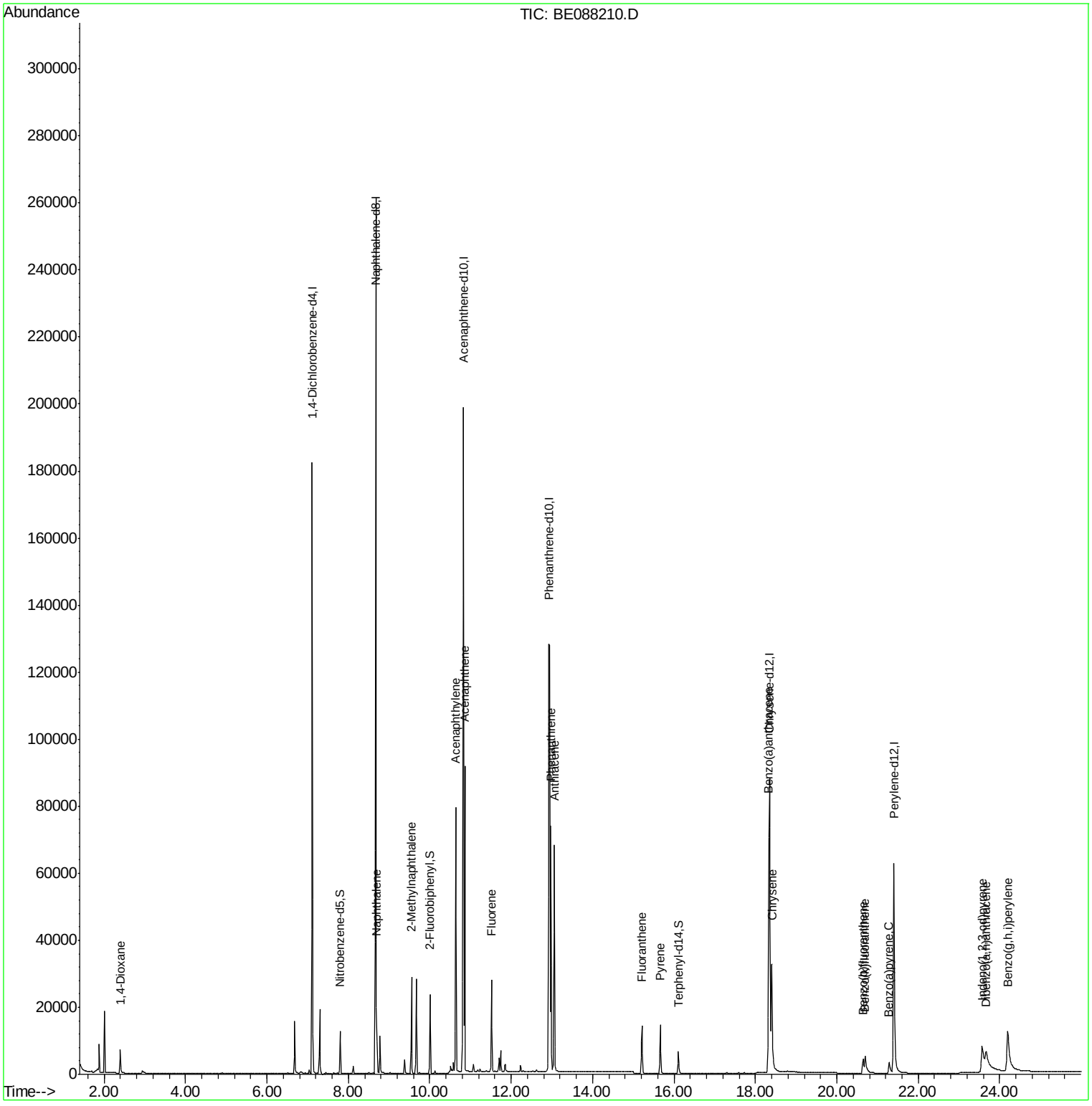
(#) = qualifier out of range (m) = manual integration (+) = signals summed

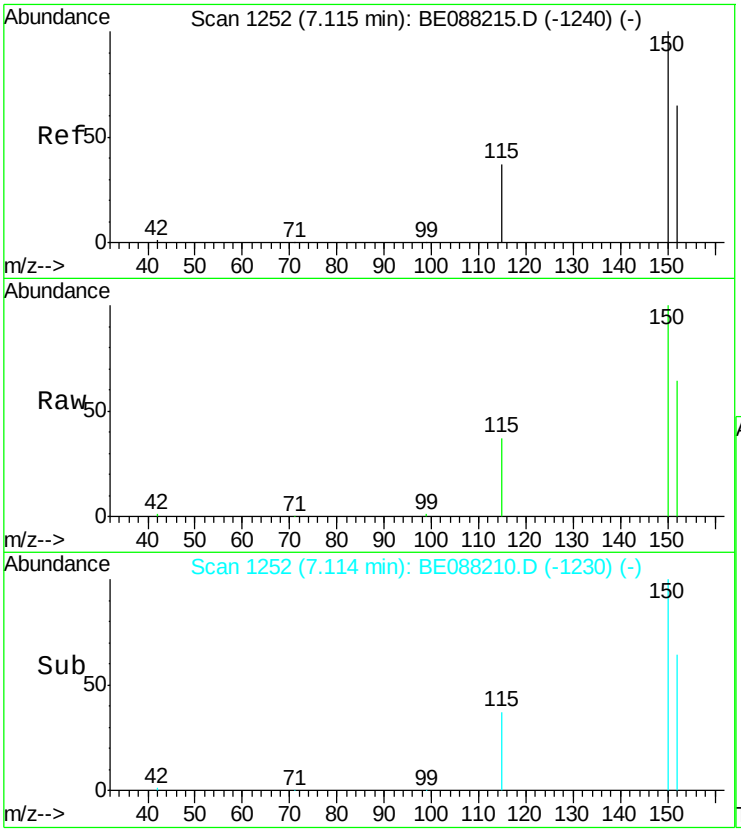
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088210.D
Acq On : 24 Oct 2014 13:46
Operator : TP/JJ
Sample : SSTDICC0.5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Quant Time: Oct 27 12:42:03 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 12:38:23 2014
Response via : Initial Calibration



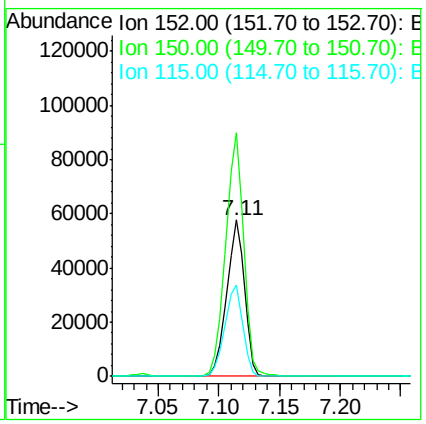


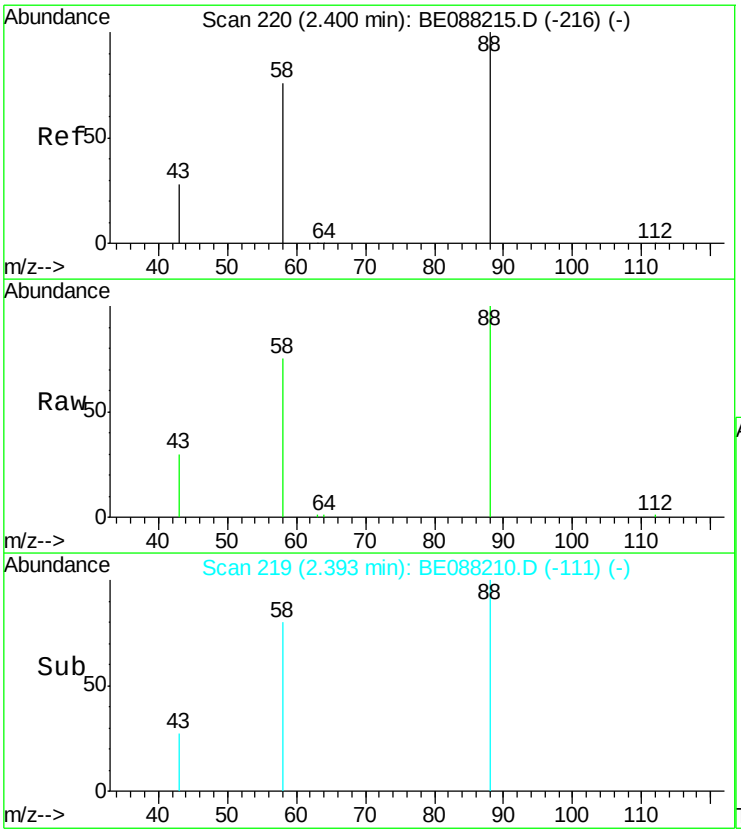
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:152 Resp: 58770

Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.2	184.8
115	58.2	45.3	67.9

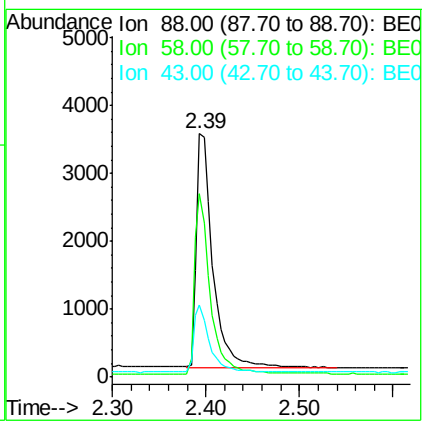


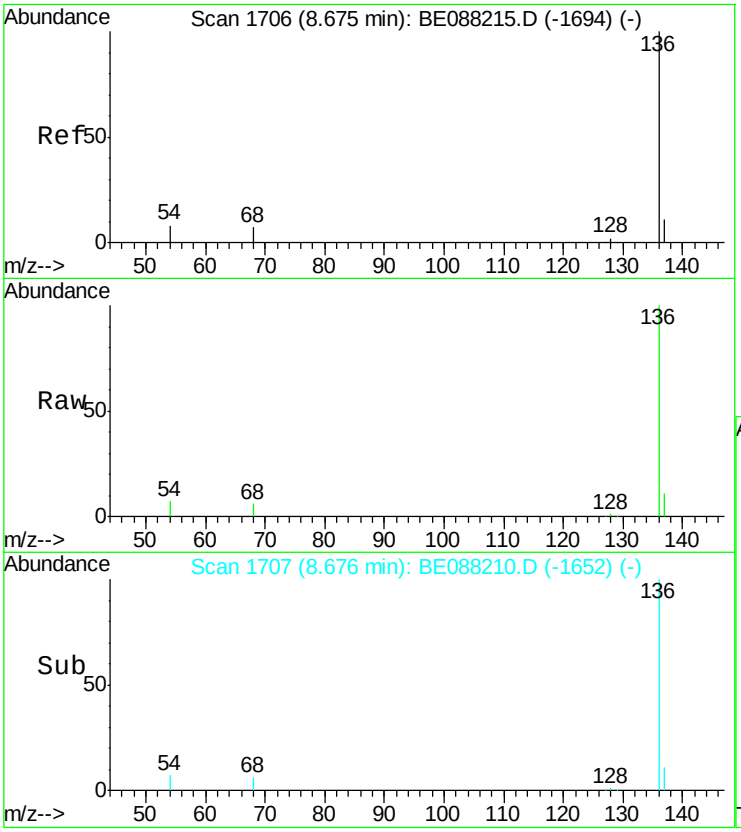


#2
1,4-Dioxane
Concen: 0.51 ng
RT: 2.39 min Scan# 219
Delta R.T. -0.01 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion: 88 Resp: 4177

Ion	Ratio	Lower	Upper
88	100		
58	74.1	59.0	88.4
43	27.3	21.9	32.9



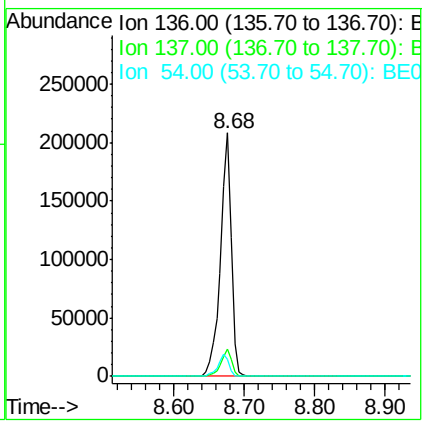


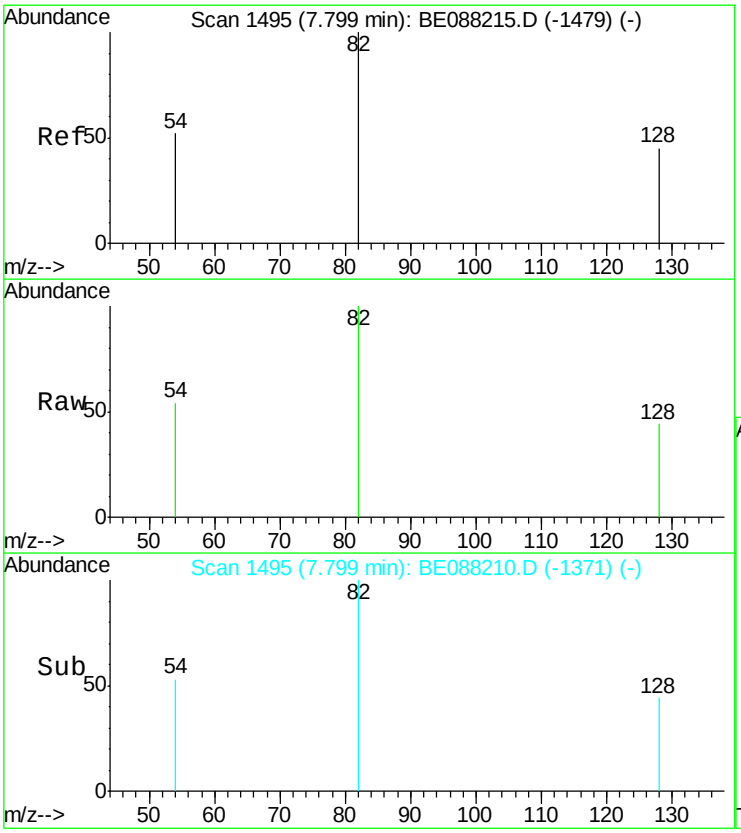
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:136 Resp: 224962

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.9	6.1	9.1

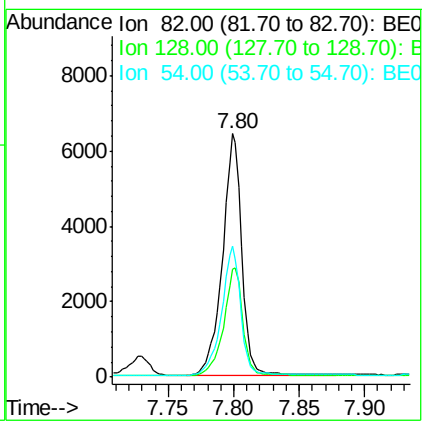


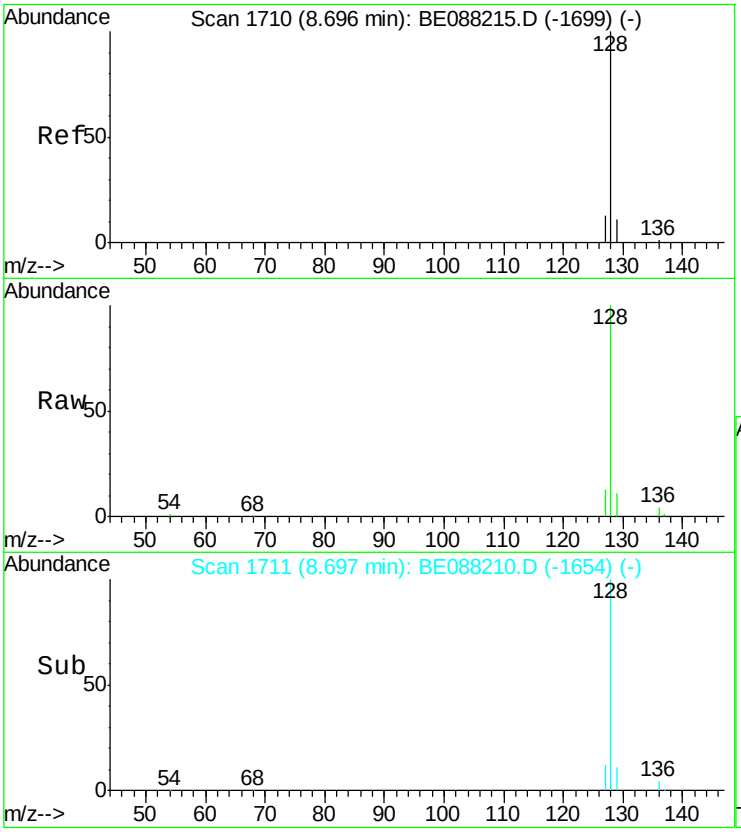


#4
Nitrobenzene-d5
Concen: 0.47 ng
RT: 7.80 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion: 82 Resp: 6513

Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.2	54.2
54	53.8	41.8	62.8



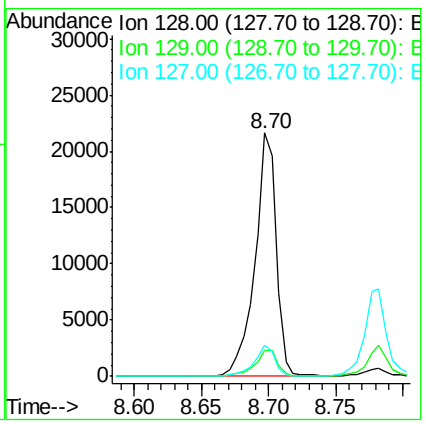


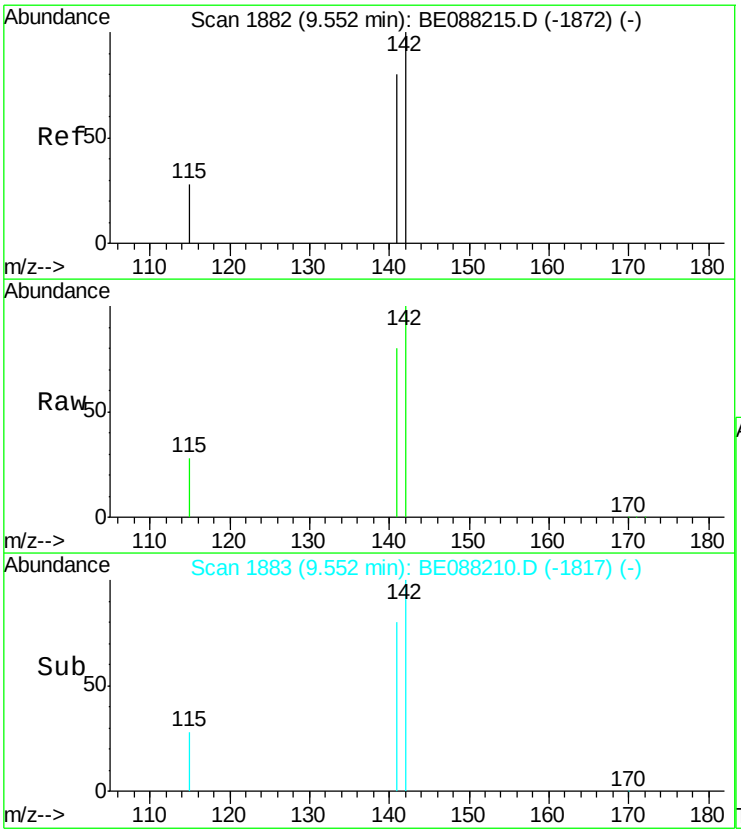
#5
Naphthalene
Concen: 0.52 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:128 Resp: 23938

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.6	10.4	15.6

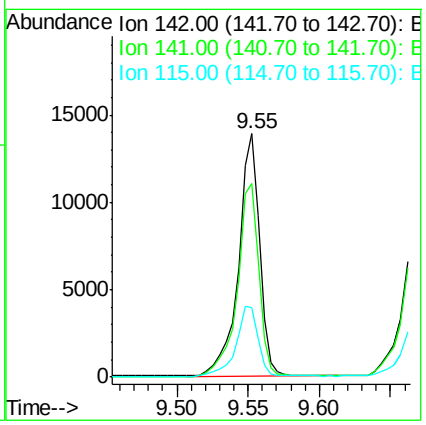


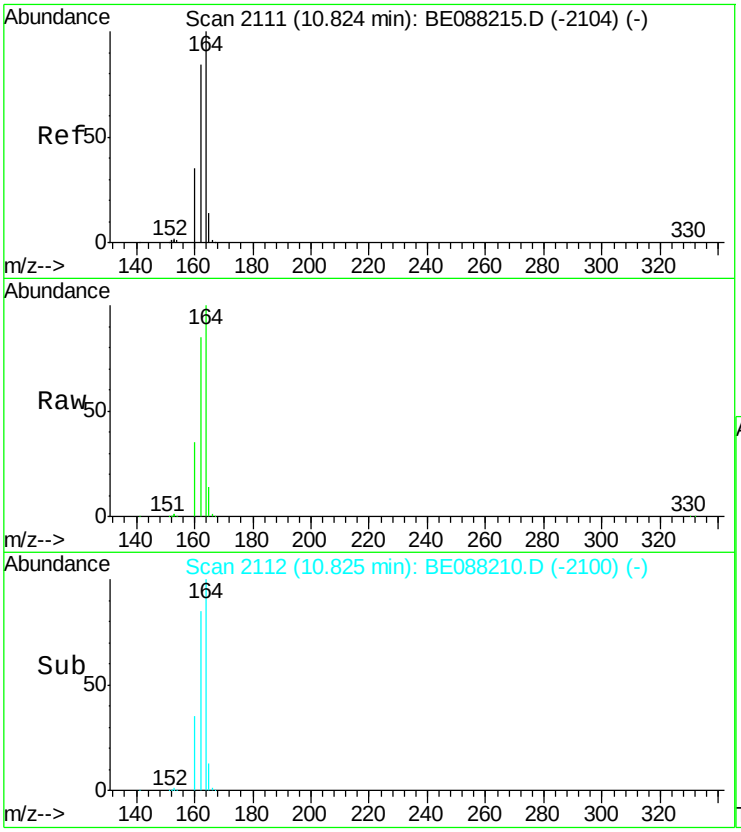


#6
2-Methylnaphthalene
Concen: 0.52 ng
RT: 9.55 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:142 Resp: 14462

Ion	Ratio	Lower	Upper
142	100		
141	79.7	63.7	95.5
115	28.4	22.6	34.0



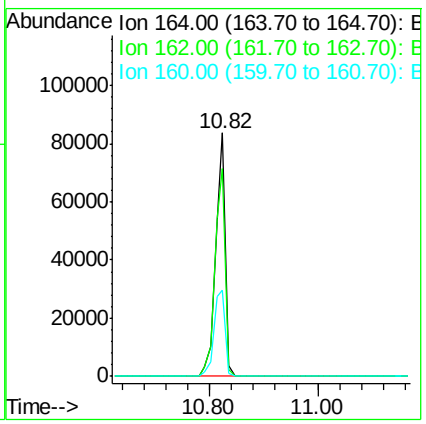


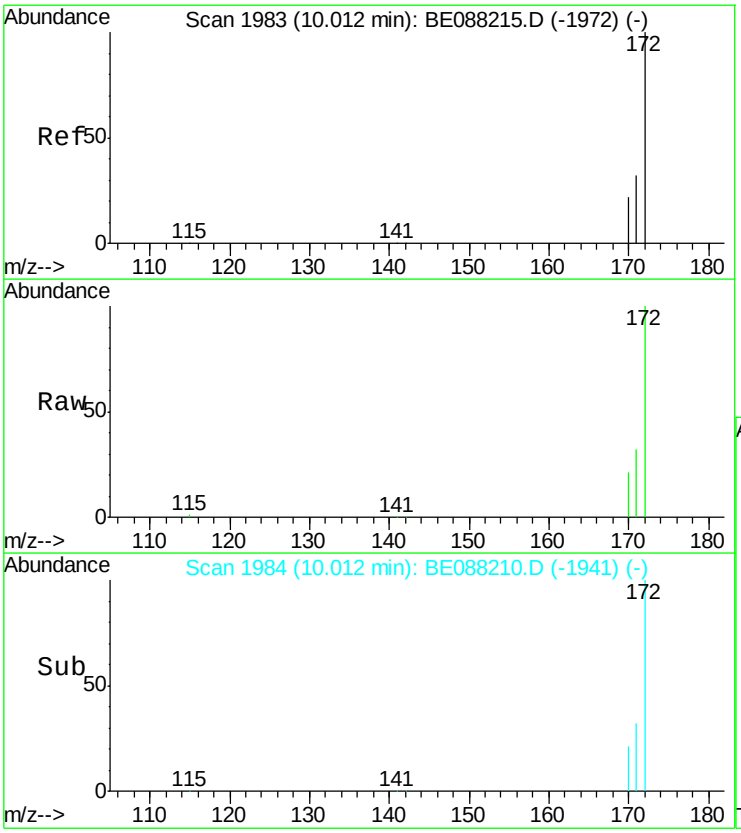
#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.82 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:164 Resp: 102142

Ion	Ratio	Lower	Upper
164	100		
162	85.4	67.4	101.0
160	35.3	27.7	41.5

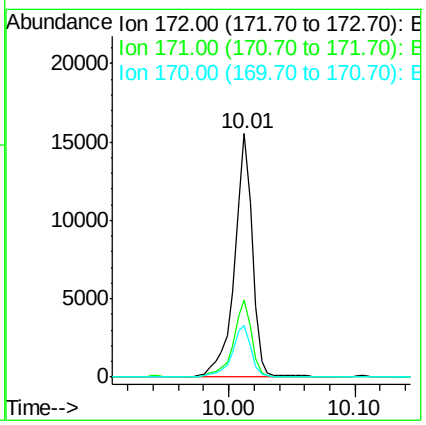


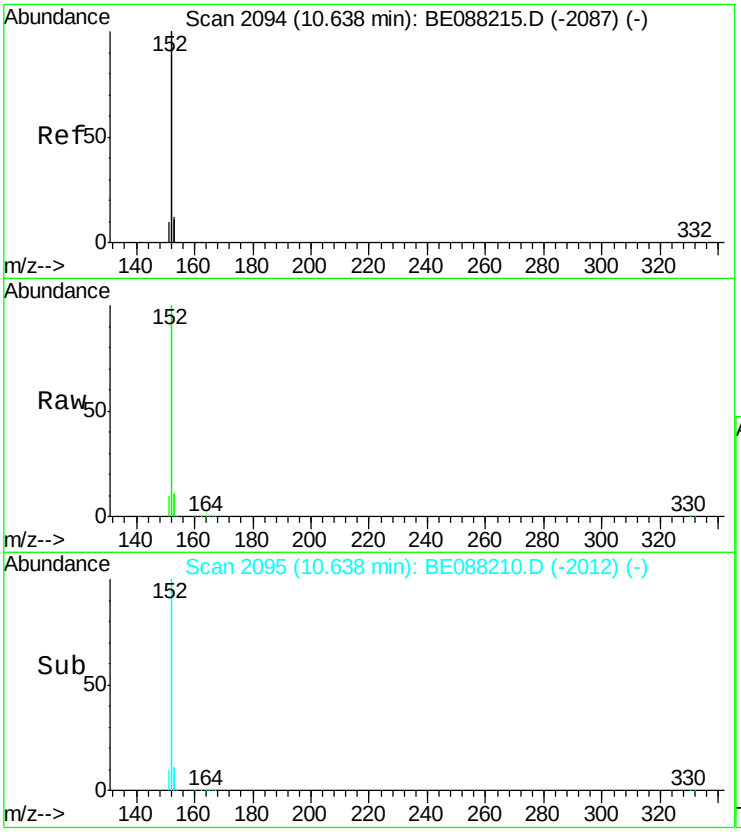


#8
2-Fluorobiphenyl
Concen: 0.53 ng
RT: 10.01 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:172 Resp: 14994

Ion	Ratio	Lower	Upper
172	100		
171	31.7	25.8	38.6
170	21.1	17.4	26.0



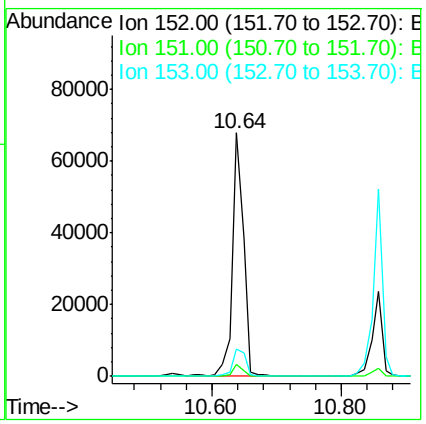


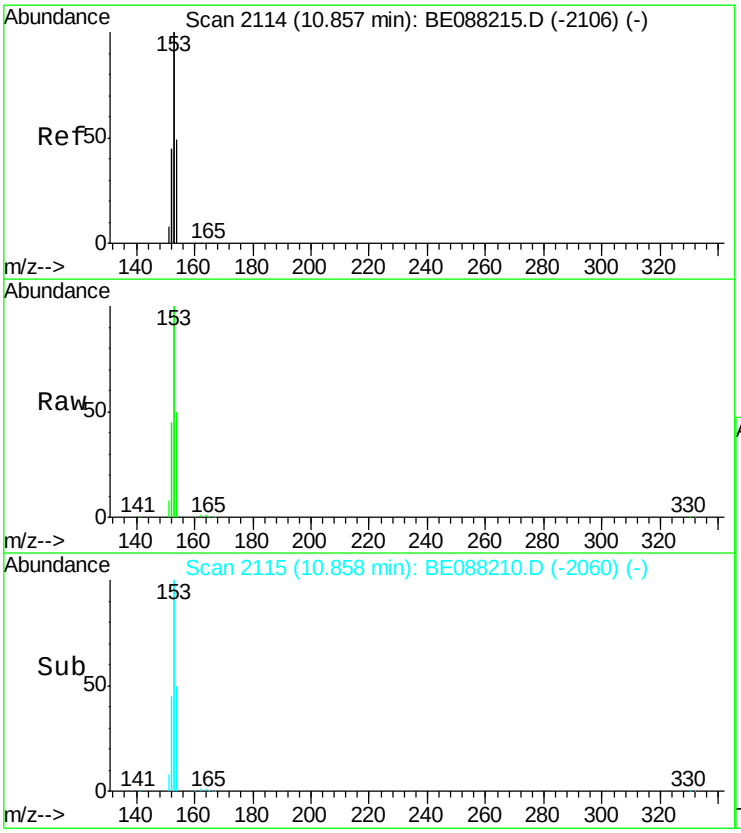
#9
Acenaphthylene
Concen: 0.52 ng
RT: 10.64 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:152 Resp: 80056

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	12.9	10.3	15.5

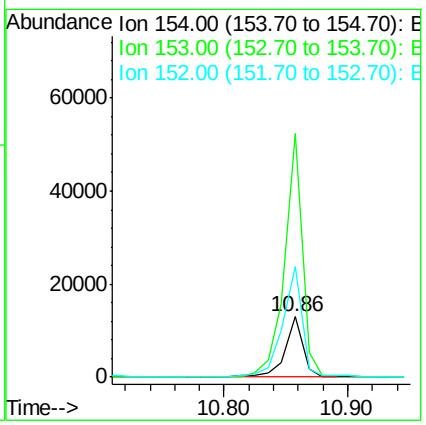


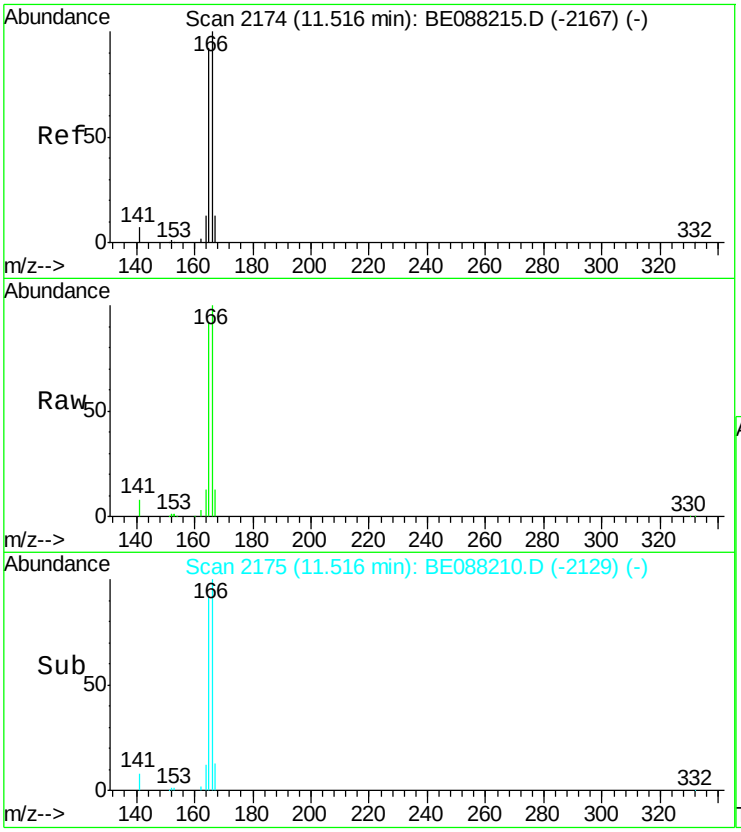


#10
Acenaphthene
Concen: 0.53 ng
RT: 10.86 min Scan# 2115
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:154 Resp: 12689

Ion	Ratio	Lower	Upper
154	100		
153	403.1	326.0	489.0
152	194.9	155.6	233.4



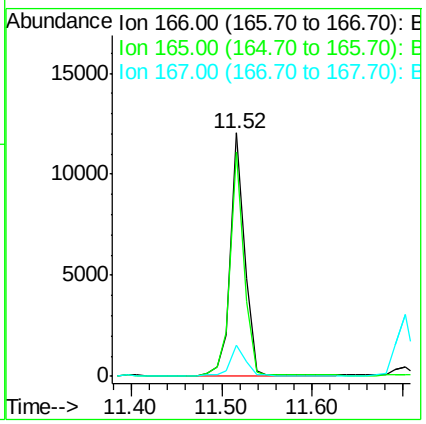


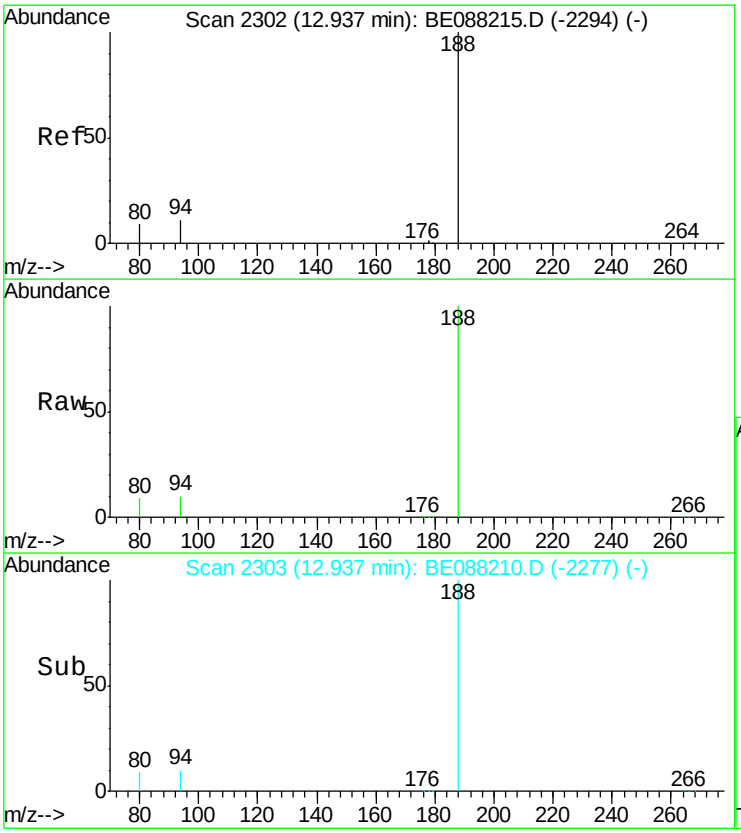
#11
Fluorene
Concen: 0.53 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:166 Resp: 12958

Ion	Ratio	Lower	Upper
166	100		
165	89.8	71.8	107.6
167	13.2	10.7	16.1

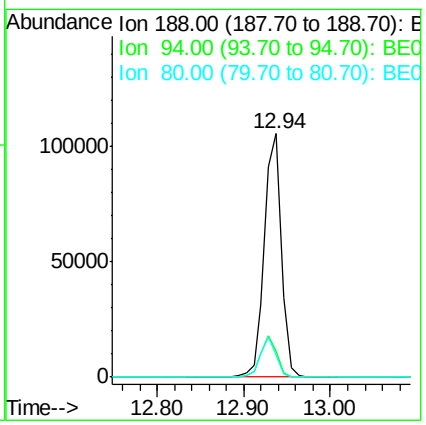


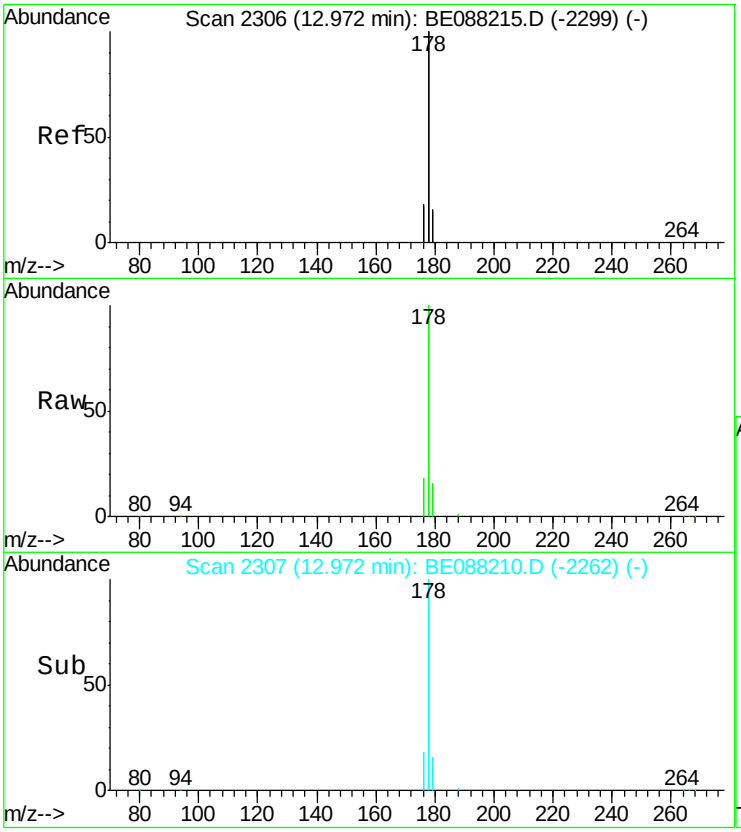


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:188 Resp: 178486

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	9.0	7.4	11.0



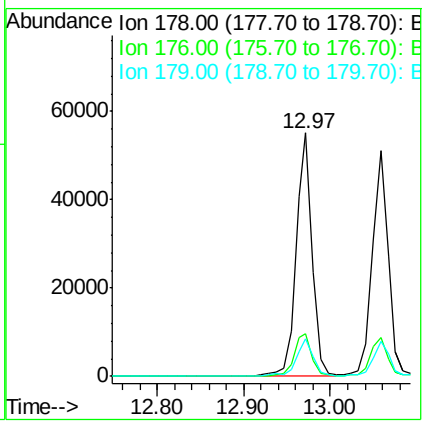


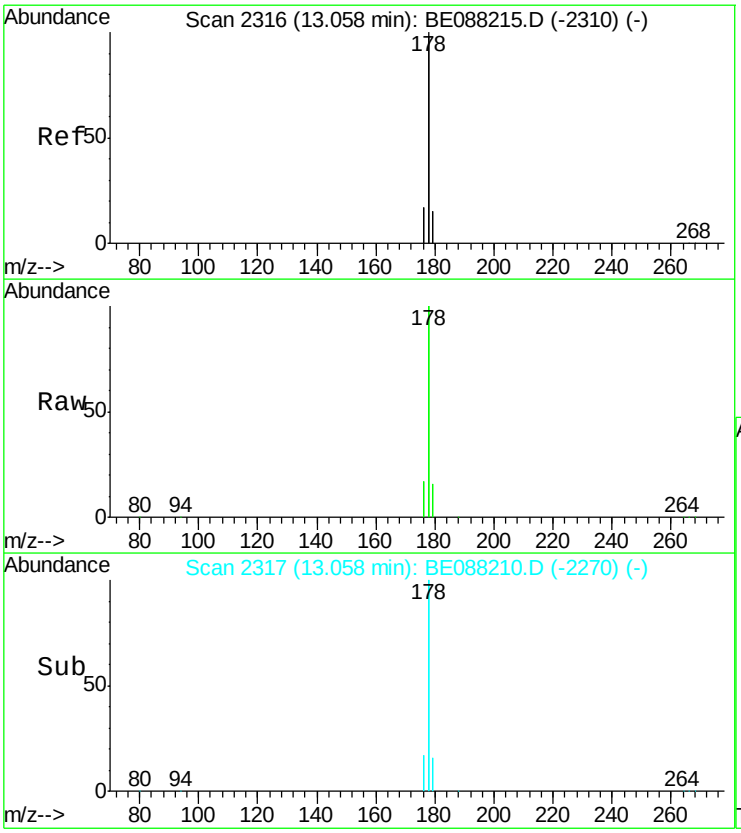
#13
Phenanthrene
Concen: 0.61 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:178 Resp: 89924

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.0	21.0
179	17.3	11.8	17.6

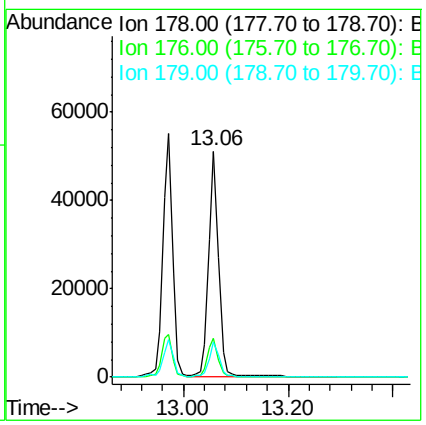


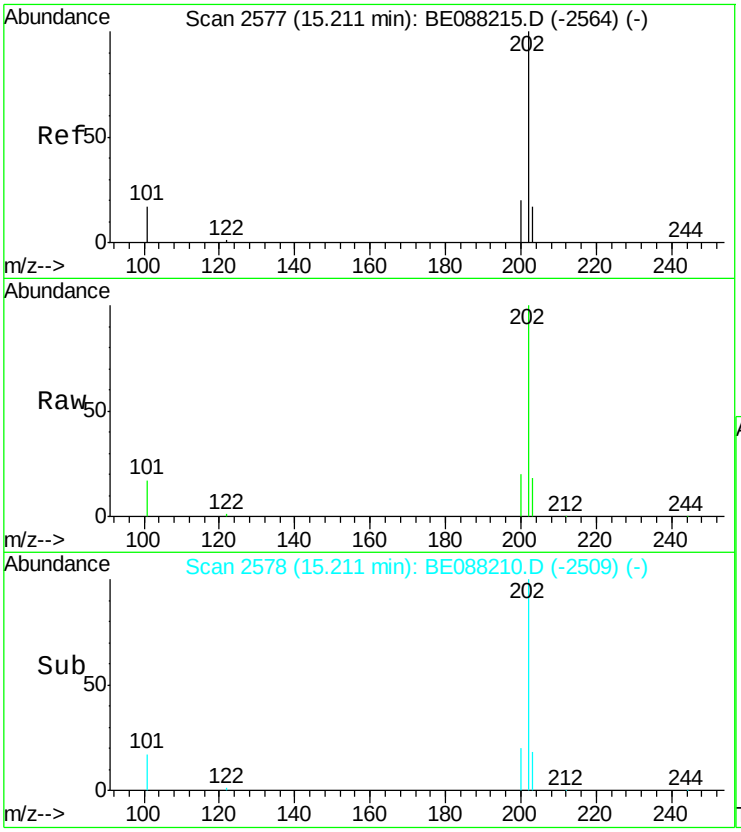


#14
Anthracene
Concen: 0.52 ng
RT: 13.06 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:178 Resp: 66573

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.8	12.3	18.5



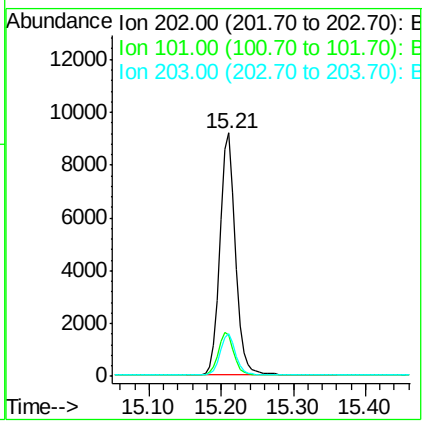


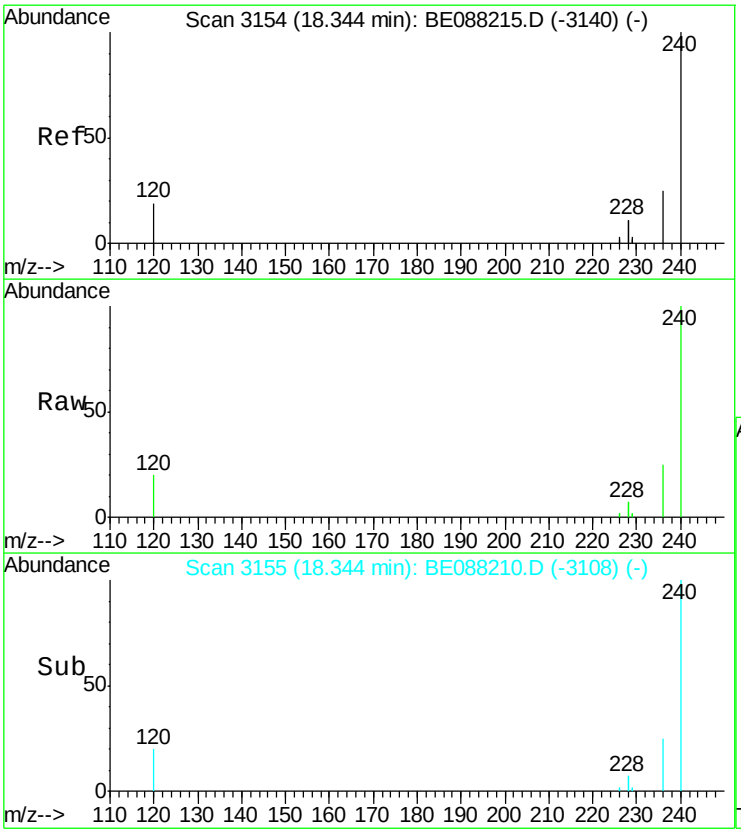
#15
Fluoranthene
Concen: 0.53 ng
RT: 15.21 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:202 Resp: 13711

Ion	Ratio	Lower	Upper
202	100		
101	17.6	14.4	21.6
203	17.0	13.4	20.2

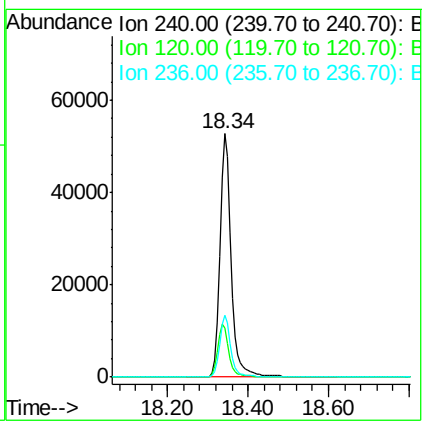


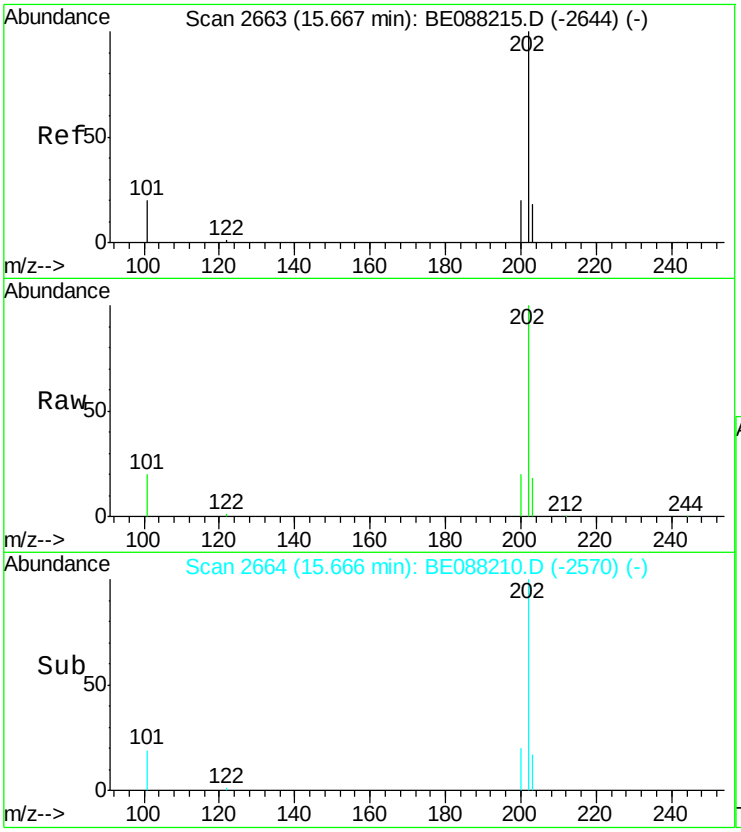


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:240 Resp: 101054

Ion	Ratio	Lower	Upper
240	100		
120	20.4	15.1	22.7
236	25.5	20.1	30.1



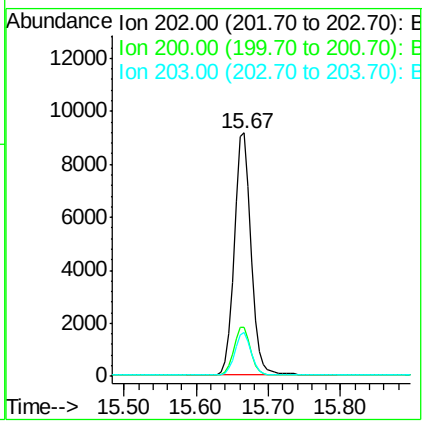


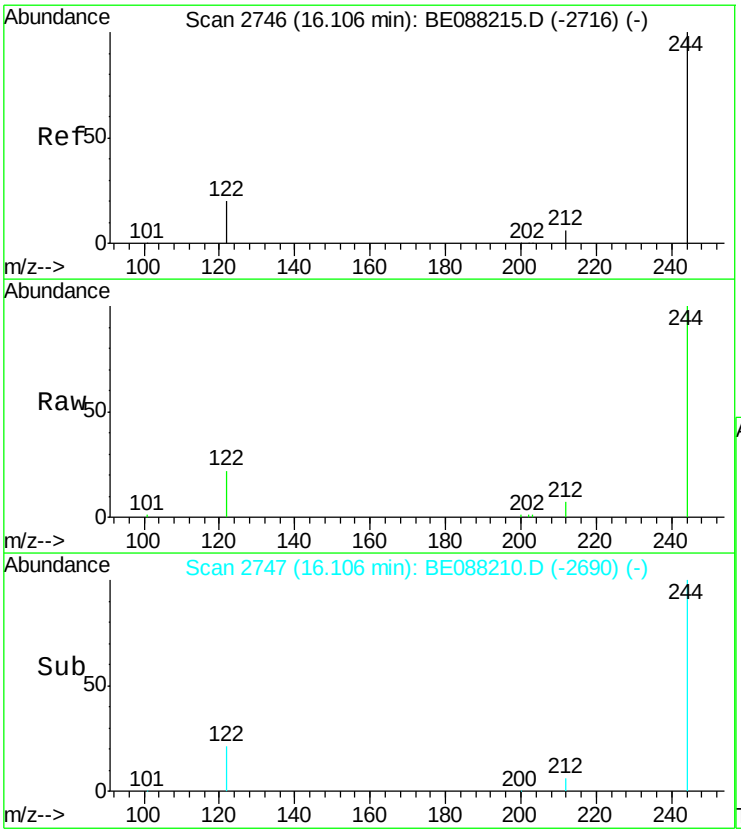
#17
Pyrene
Concen: 0.53 ng
RT: 15.67 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:202 Resp: 14678

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	17.3	13.8	20.8

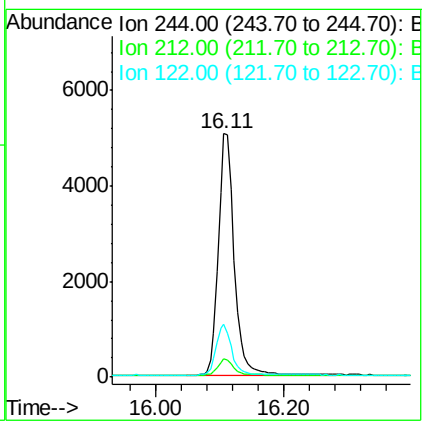


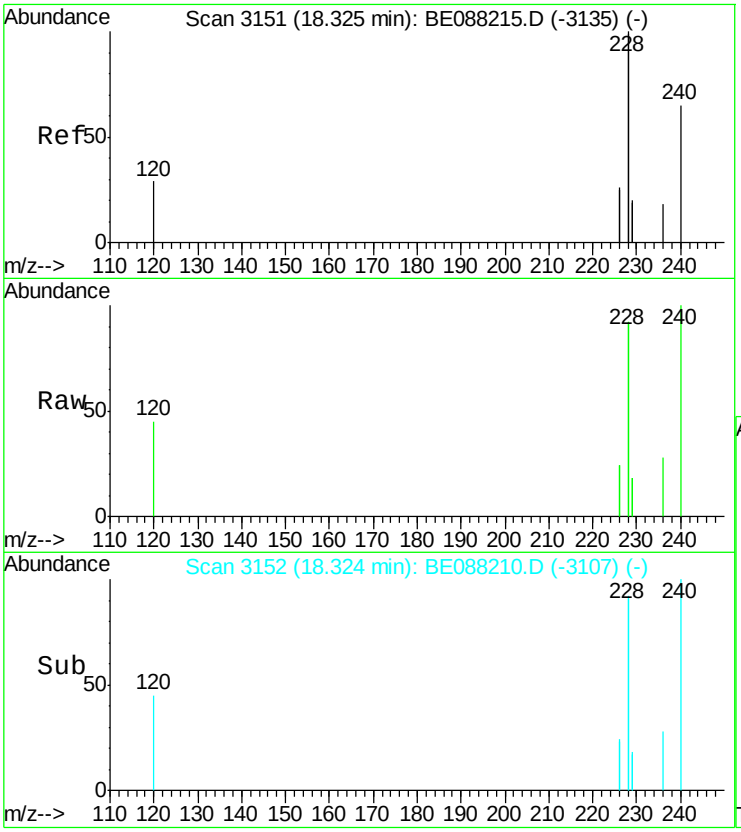


#18
Terphenyl-d14
Concen: 0.52 ng
RT: 16.11 min Scan# 2747
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:244 Resp: 8644

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	21.9	16.7	25.1



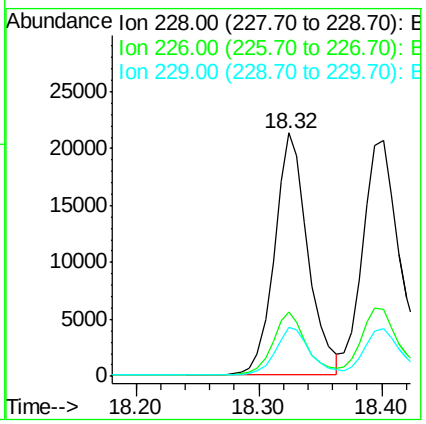


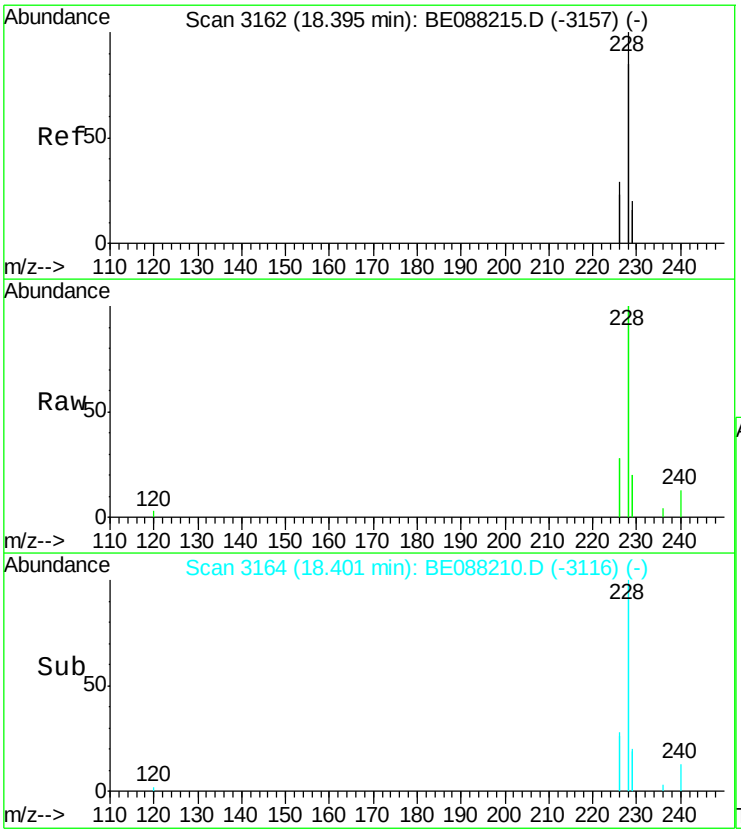
#19
Benzo(a)anthracene
Concen: 0.50 ng
RT: 18.32 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:228 Resp: 39876

Ion	Ratio	Lower	Upper
228	100		
226	26.3	20.5	30.7
229	20.1	16.1	24.1

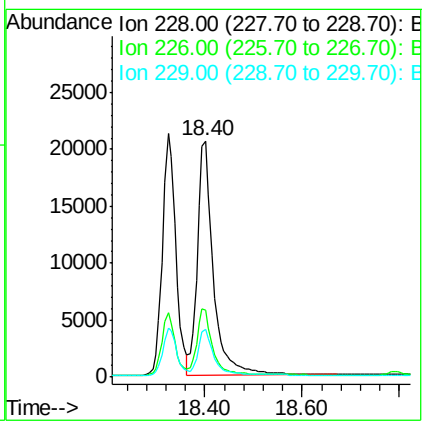


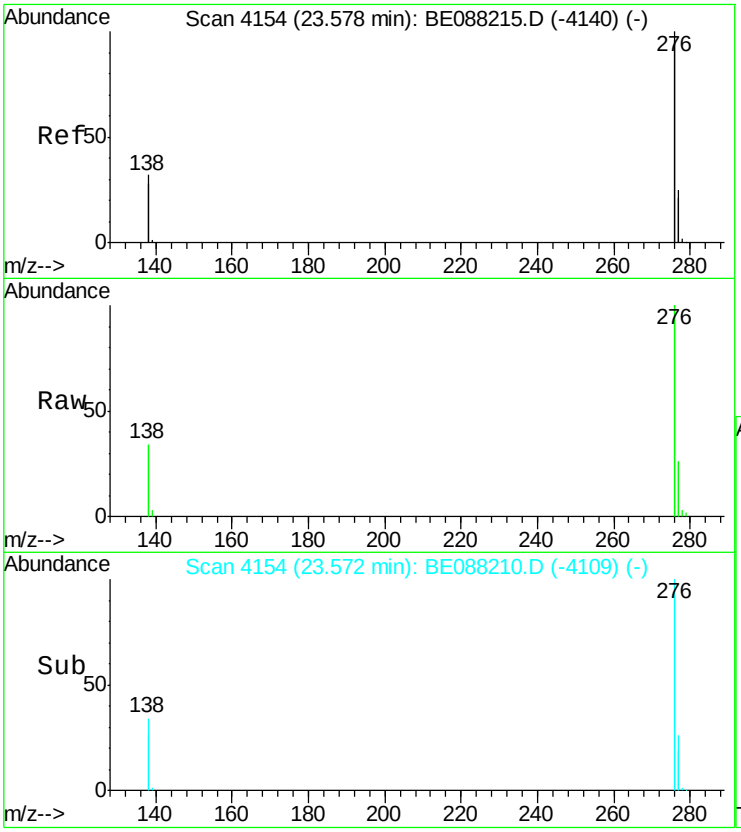


#20
Chrysene
Concen: 0.52 ng
RT: 18.40 min Scan# 3164
Delta R.T. 0.01 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:228 Resp: 46692

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.3	34.9
229	20.3	15.6	23.4



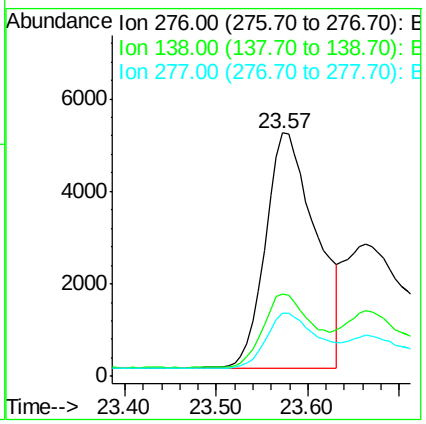


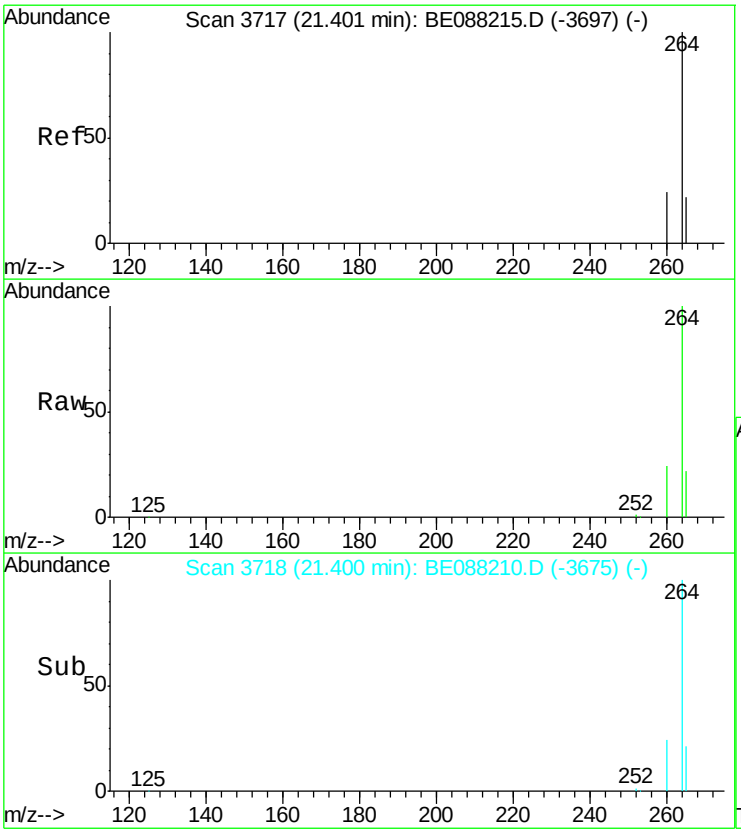
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.25 ng
RT: 23.57 min Scan# 4154
Delta R.T. -0.01 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:276 Resp: 19641

Ion	Ratio	Lower	Upper
276	100		
138	30.9	13.9	20.9#
277	23.4	10.7	16.1#

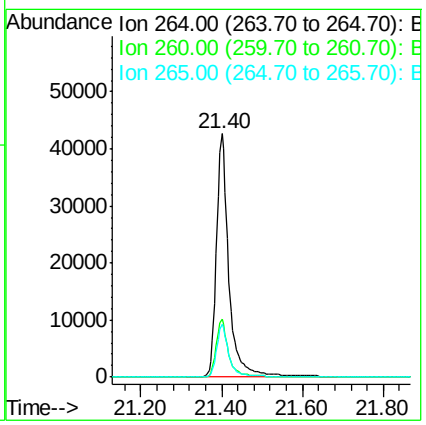


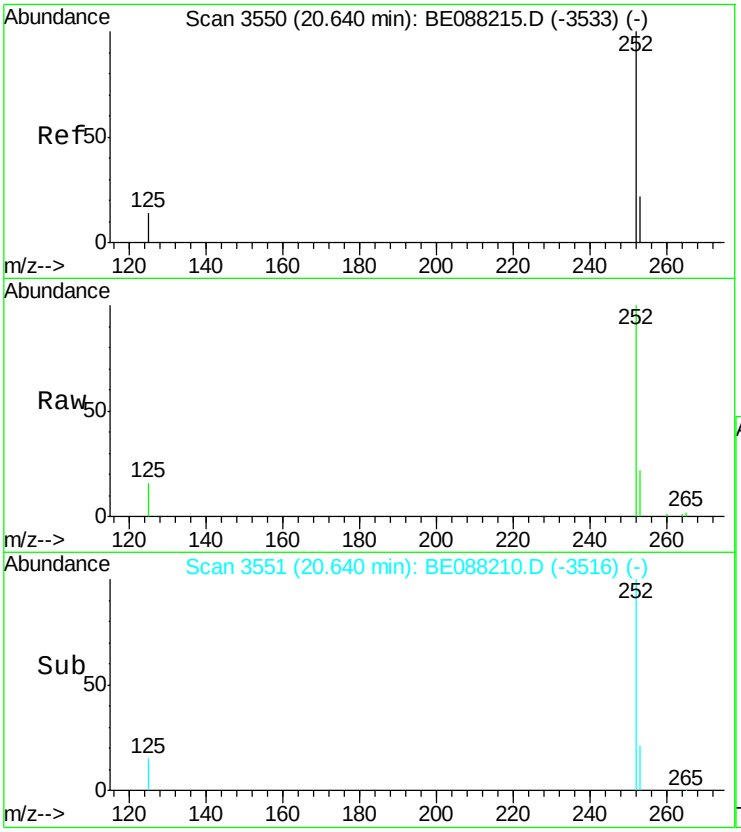


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:264 Resp: 91713

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.6	17.4	26.2



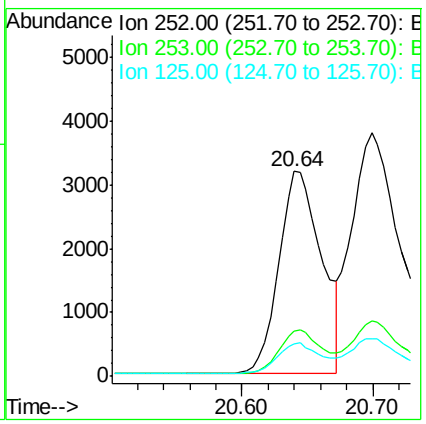


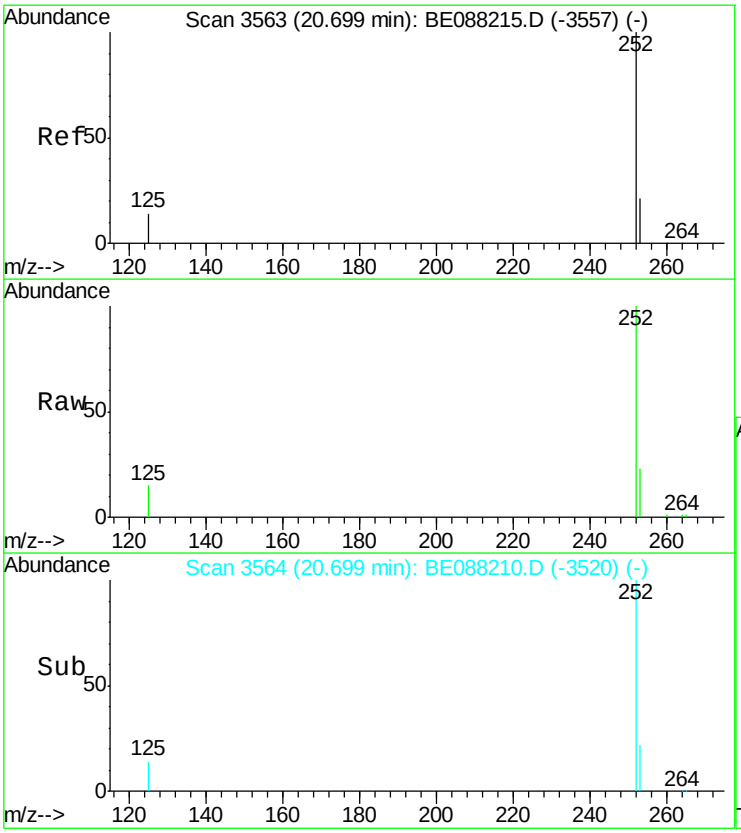
#23
Benzo(b)fluoranthene
Concen: 0.48 ng
RT: 20.64 min Scan# 3551
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:252 Resp: 7211

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	16.1	12.2	18.2

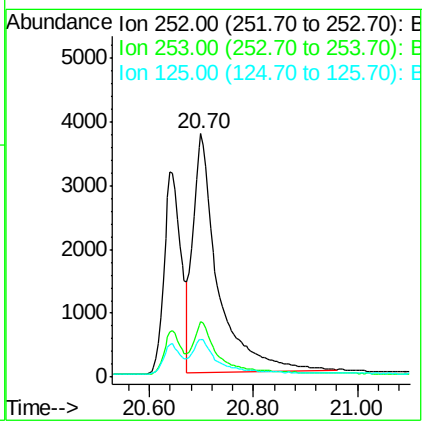


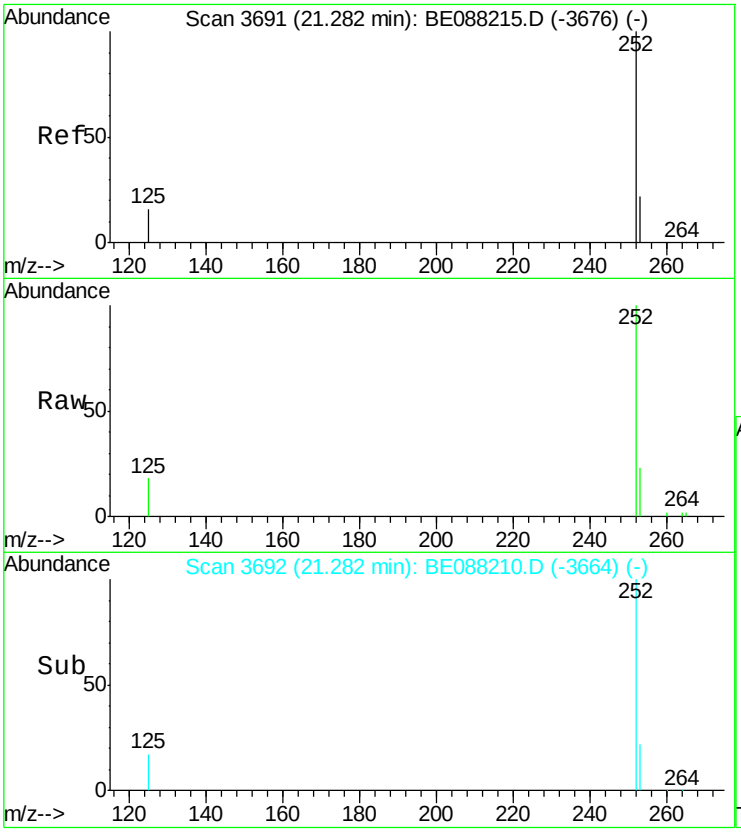


#24
Benzo(k)fluoranthene
Concen: 0.52 ng
RT: 20.70 min Scan# 3564
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:252 Resp: 12419

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	15.2	12.1	18.1



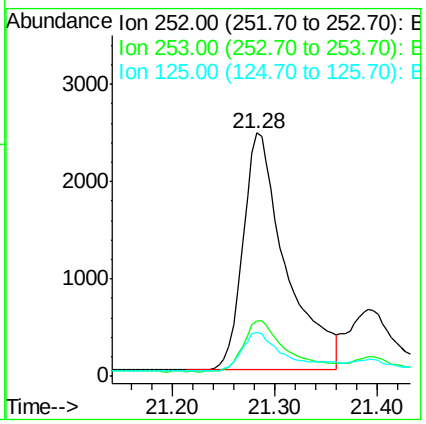


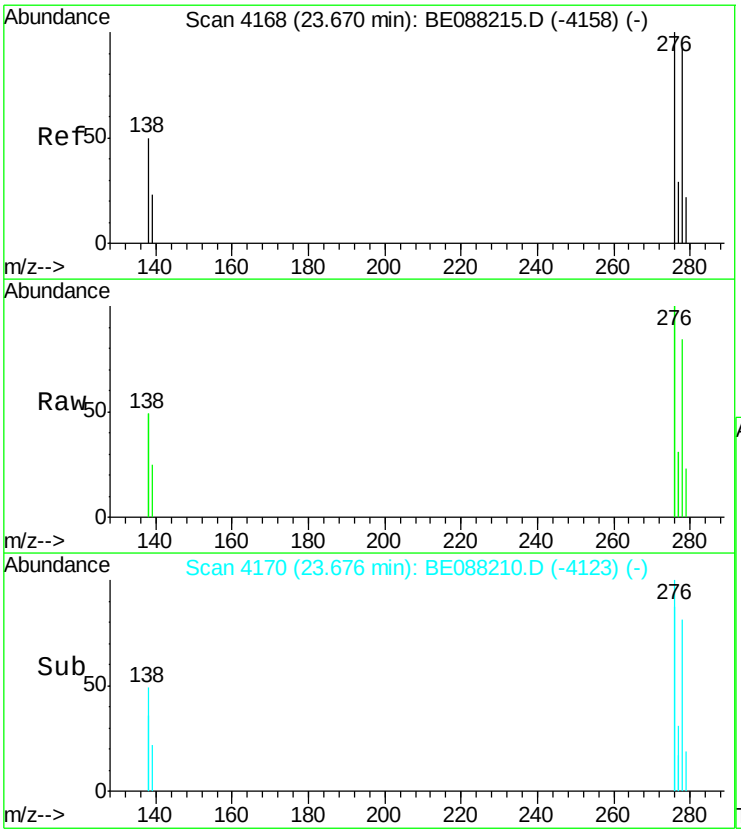
#25
Benzo(a)pyrene
Concen: 0.48 ng
RT: 21.28 min Scan# 3692
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:252 Resp: 7073

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	18.2	13.5	20.3

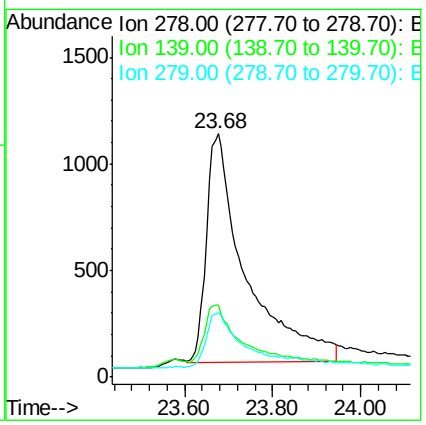


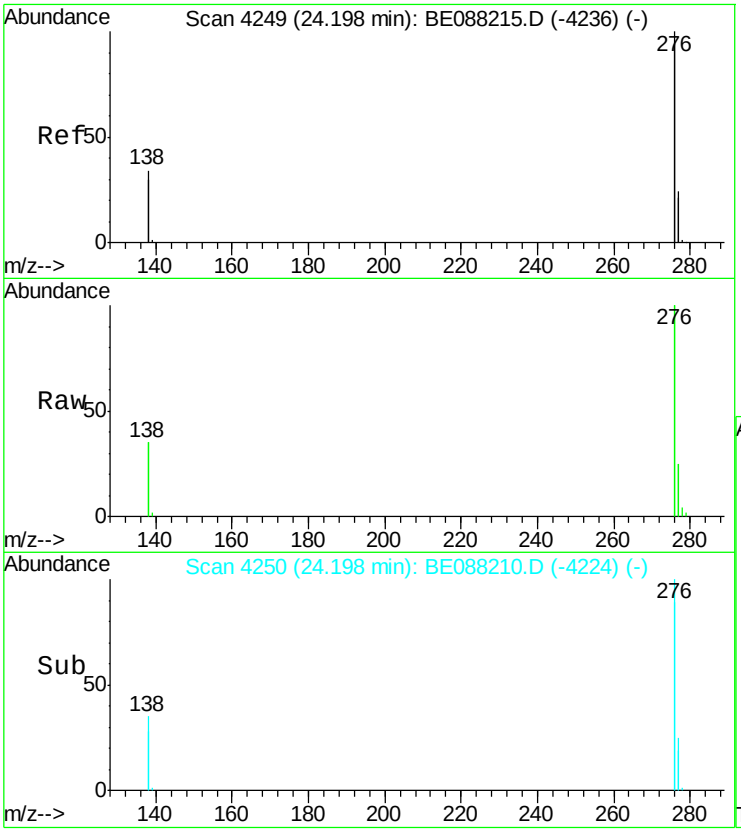


#26
Dibenzo(a,h)anthracene
Concen: 0.47 ng
RT: 23.68 min Scan# 4170
Delta R.T. 0.01 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion:278 Resp: 6626

Ion	Ratio	Lower	Upper
278	100		
139	29.9	22.1	33.1
279	26.7	20.2	30.2





#27
Benzo(g,h,i)perylene
Concen: 0.50 ng
RT: 24.20 min Scan# 4250
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion:276 Resp: 36956

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	35.1	27.3	40.9