Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088219.D
Acq On : 24 Oct 2014 18:57
Operator : TP/JJ
Sample : PB79823BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB79823BSD

Manual Integrations APPROVED
mohammad
10/28/2014 12:22:34 PM

Quant Time: Oct 27 13:18:02 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 13:04:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	42598	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	163006	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	72636	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	125219	5.00	ng	0.00
16) Chrysene-d12	18.35	240	68777	5.00	ng	0.00
22) Perylene-d12	21.40	264	63539	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	87348	7.20	ng	0.00
8) 2-Fluorobiphenyl	10.02	172	147531	7.28	ng	0.00
18) Terphenyl-d14	16.11	244	97868	8.69	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	46670	7.86	ng	98
5) Naphthalene	8.70	128	241621	7.28	ng	97
6) 2-Methylnaphthalene	9.55	142	155607	7.79	ng	95
9) Acenaphthylene	10.65	152	827335	7.62	ng	100
10) Acenaphthene	10.86	154	118905	6.92	ng	95
11) Fluorene	11.52	166	130206	7.43	ng	100
13) Phenanthrene	12.97	178	885560	7.33	ng	98
14) Anthracene	13.06	178	728230	8.17	ng	99
15) Fluoranthene	15.21	202	156826	8.56	ng	99
17) Pyrene	15.67	202	166763	8.84	ng	99
19) Benzo(a)anthracene	18.33	228	500145	9.24	ng	99
20) Chrysene	18.40	228	515862	8.39	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	472739m	7.28	ng	
23) Benzo(b)fluoranthene	20.65	252	111954	8.26	ng	98
24) Benzo(k)fluoranthene	20.70	252	137487	8.38	ng	99
25) Benzo(a)pyrene	21.29	252	110483	8.22	ng	98
26) Dibenzo(a,h)anthracene	23.68	278	97580	7.57	ng	95
27) Benzo(g,h,i)perylene	24.21	276	457877	8.99	ng	97

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

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Manual Integrations APPROVED
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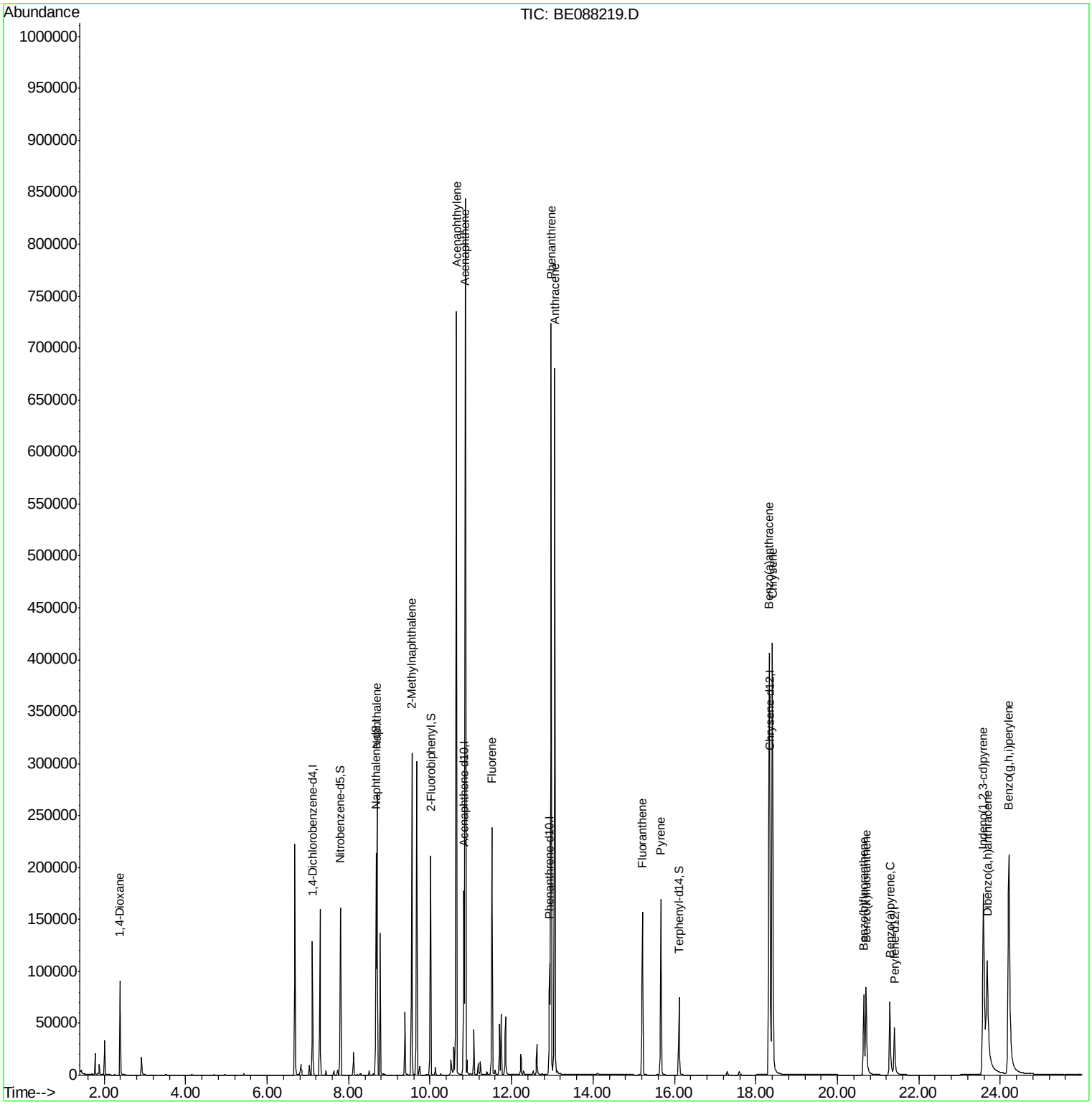
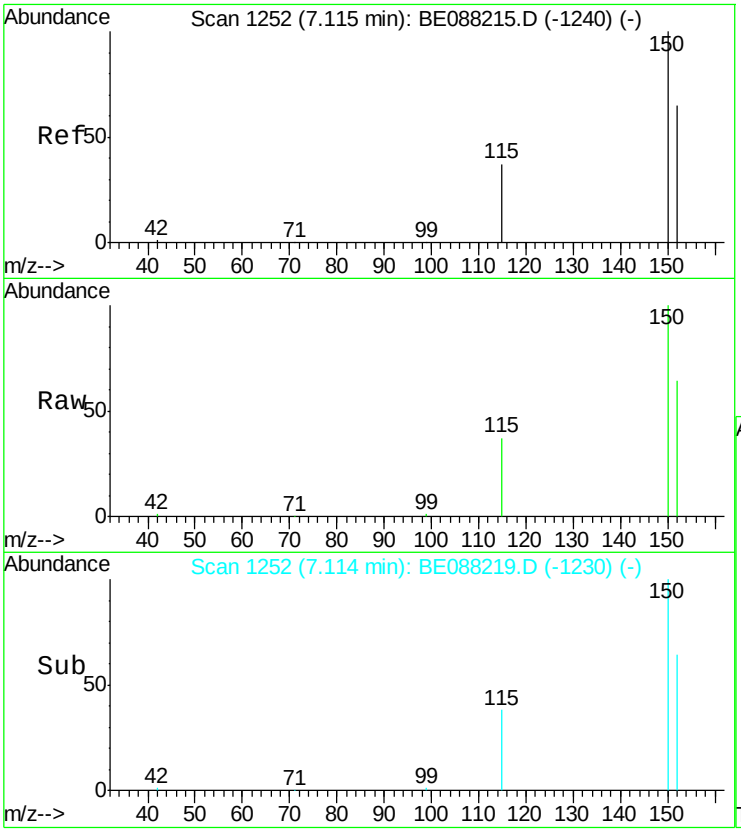
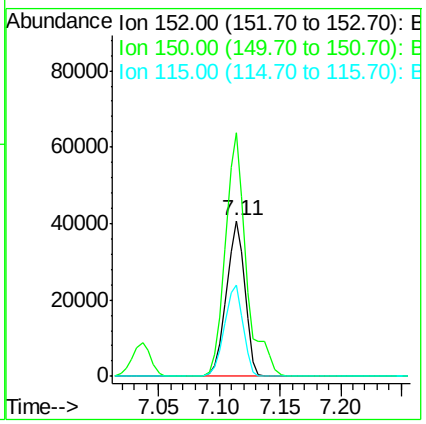




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:152 Resp: 42598

Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.2	184.8
115	58.8	45.3	67.9



Instrument :
BNA_E
ClientSampleId :
PB79823BSD

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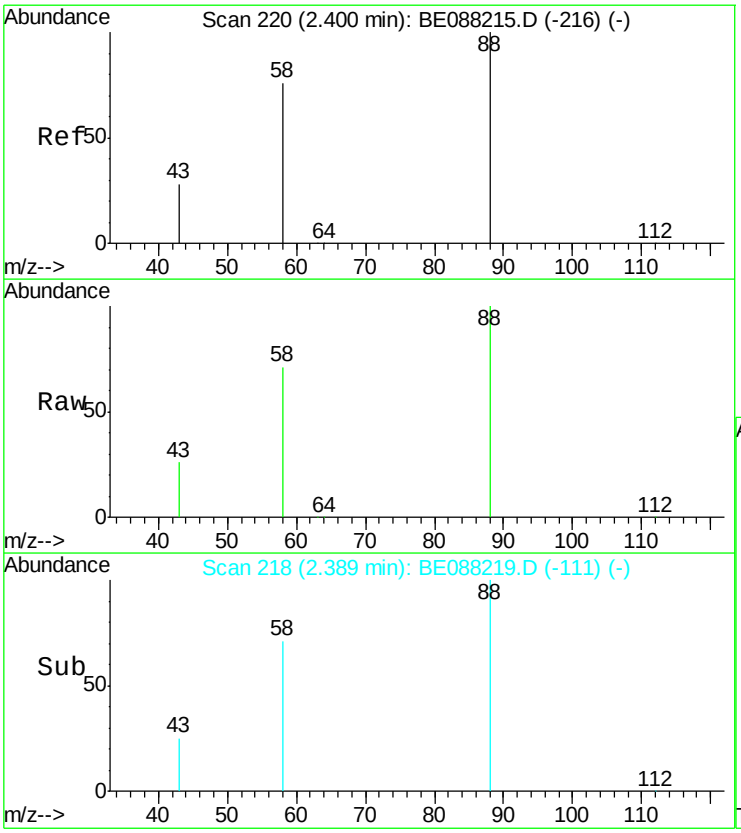
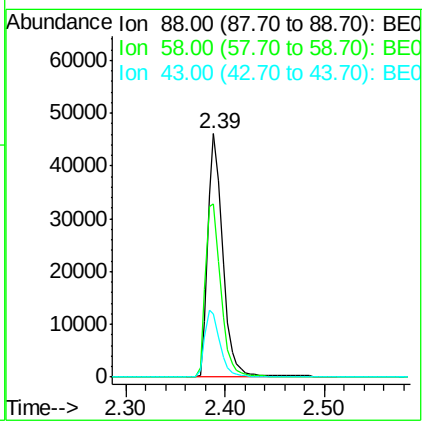
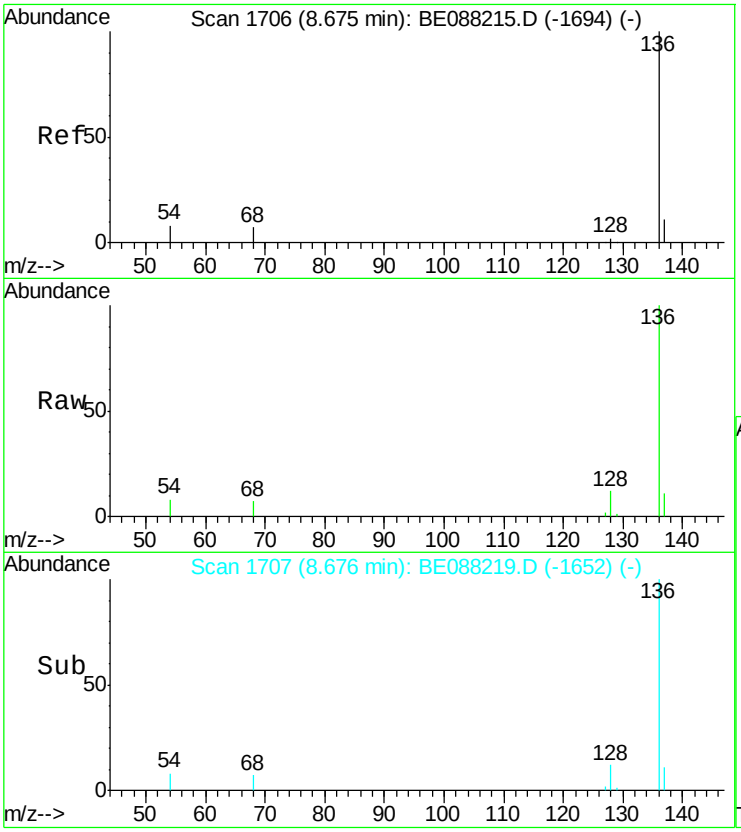


#2
1,4-Dioxane
Concen: 7.86 ng
RT: 2.39 min Scan# 218
Delta R.T. -0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion: 88 Resp: 46670

Ion	Ratio	Lower	Upper
88	100		
58	75.2	59.0	88.4
43	28.4	21.9	32.9

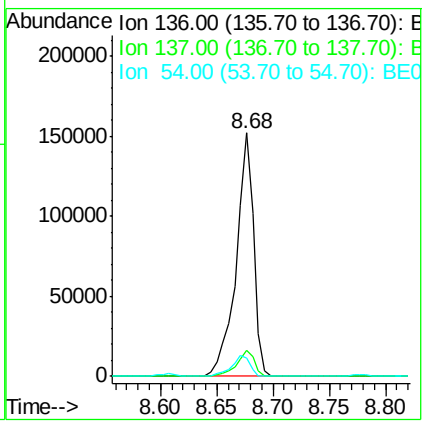




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:136 Resp: 163006

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.8	6.1	9.1



Instrument :
BNA_E
ClientSampleId :
PB79823BSD

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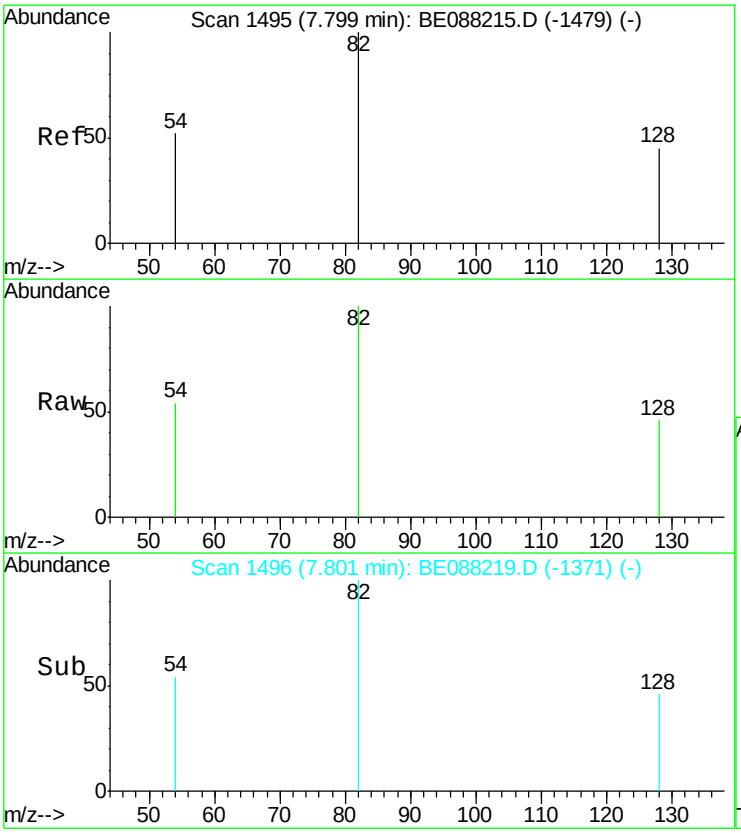
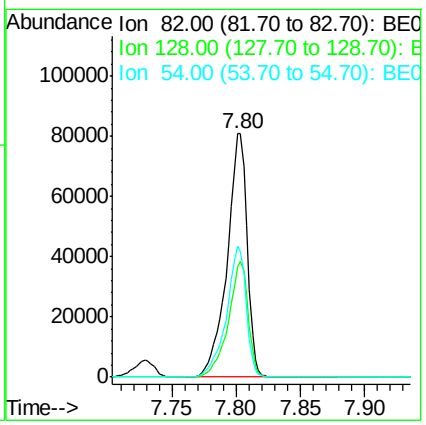
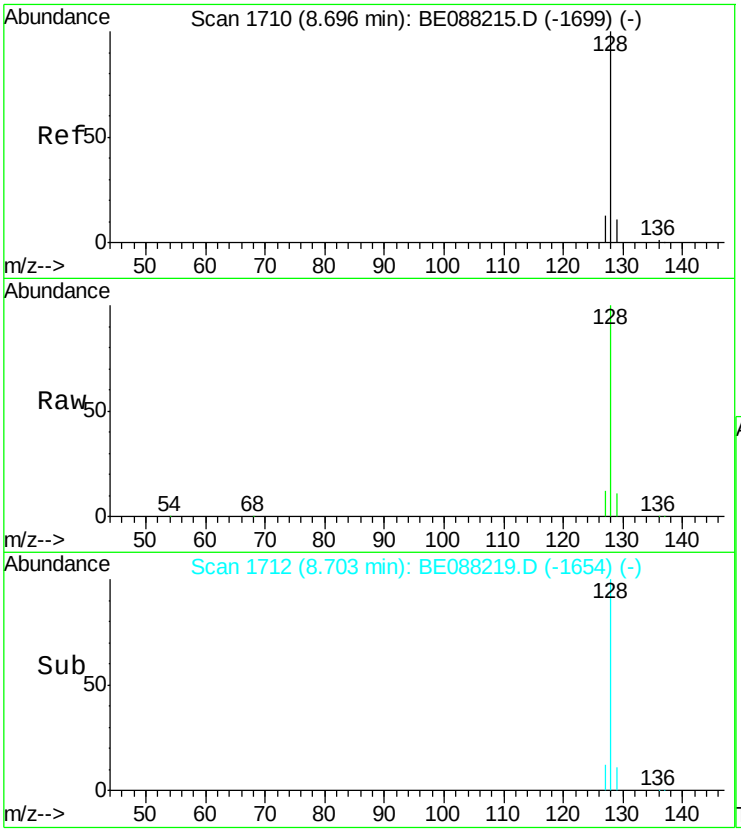


#4
Nitrobenzene-d5
Concen: 7.20 ng
RT: 7.80 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion: 82 Resp: 87348

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.2	54.2
54	53.7	41.8	62.8

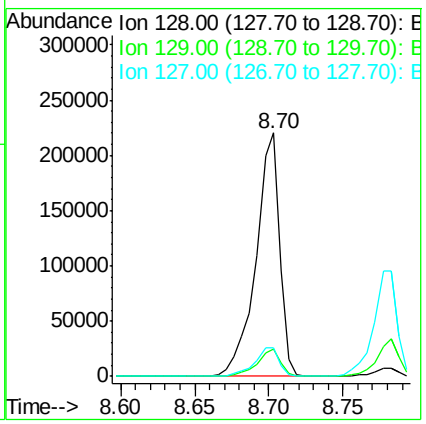




#5
Naphthalene
Concen: 7.28 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:128 Resp: 241621

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	11.6	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
PB79823BSD

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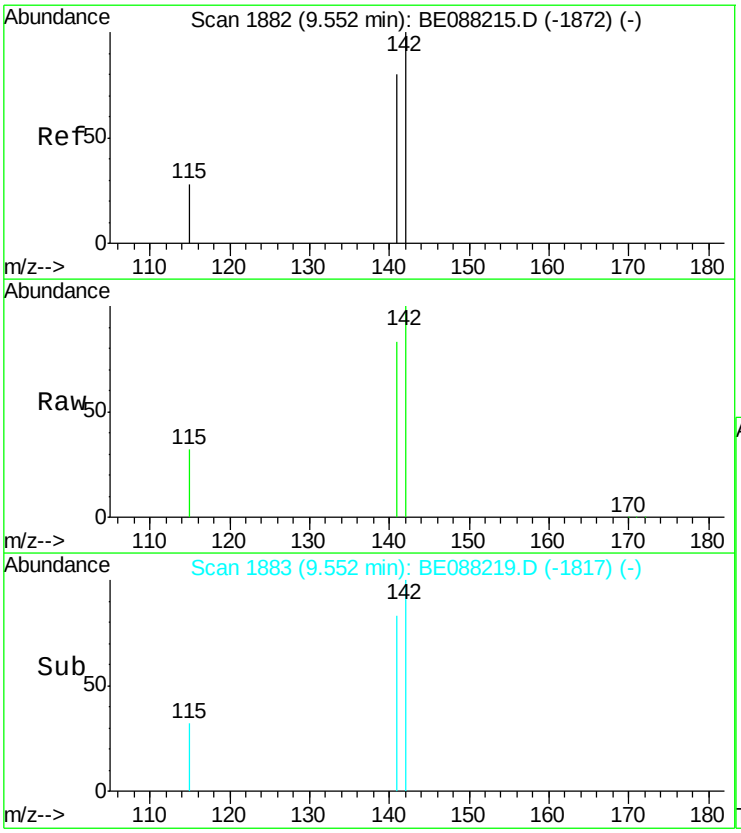
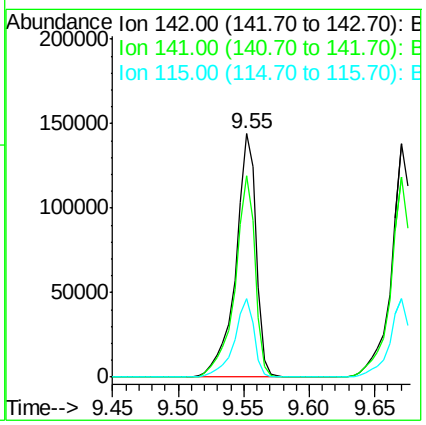
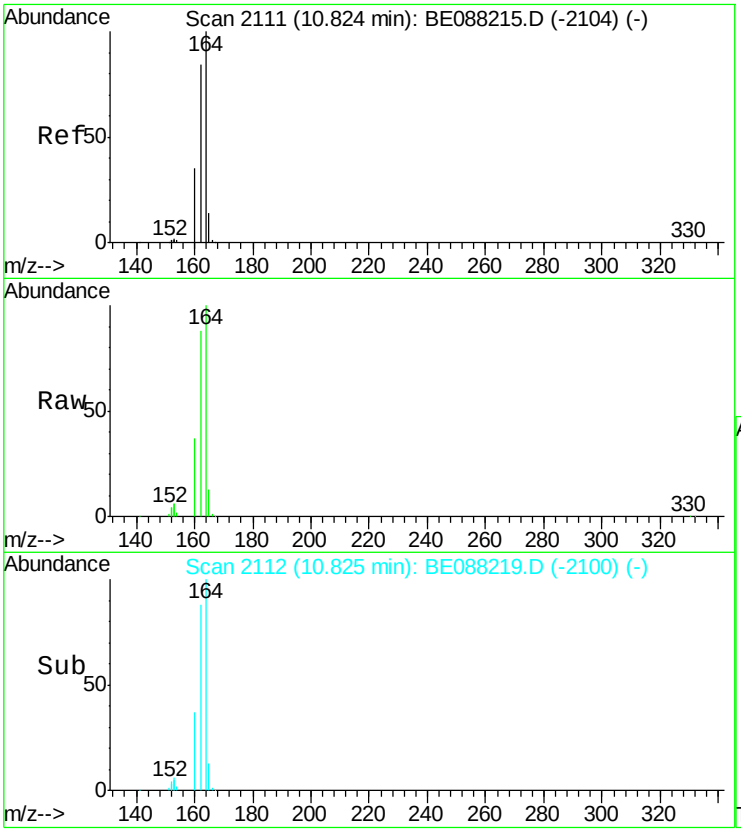


#6
2-Methylnaphthalene
Concen: 7.79 ng
RT: 9.55 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:142 Resp: 155607

Ion	Ratio	Lower	Upper
142	100		
141	82.7	63.7	95.5
115	32.2	22.6	34.0





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.83 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Instrument :
BNA_E
ClientSampleId :
PB79823BSD

Manual Integrations APPROVED
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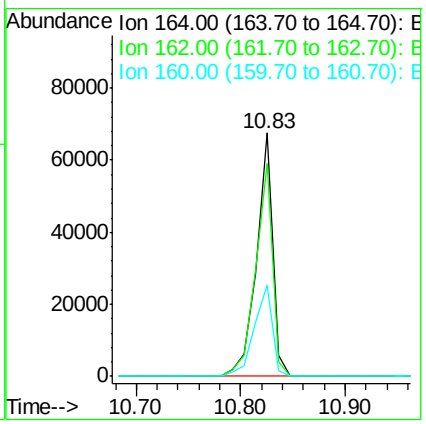
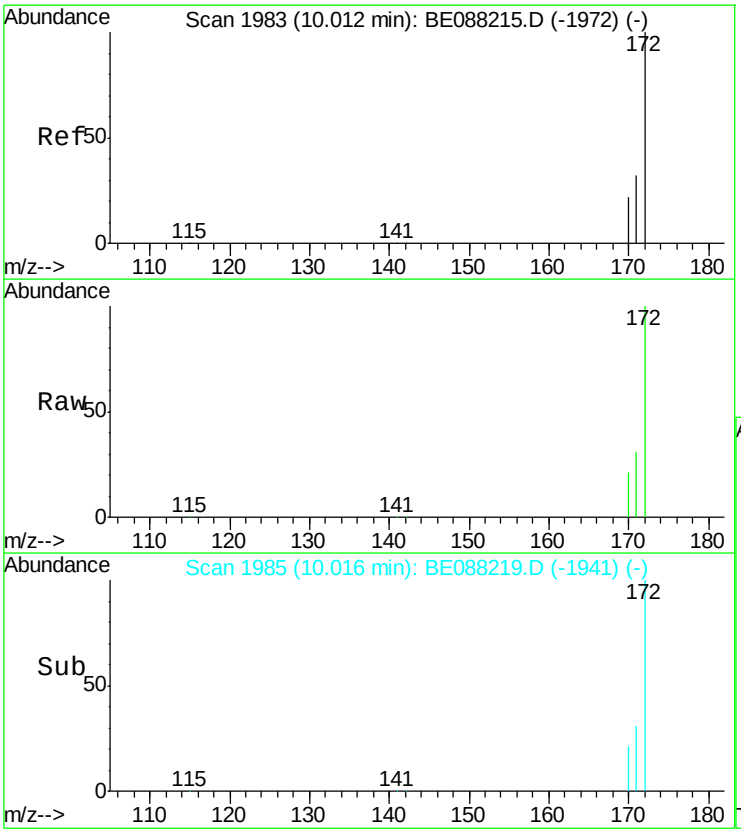
Tgt Ion:164 Resp: 72636

Ion	Ratio	Lower	Upper
164	100		
162	87.6	67.4	101.0
160	37.4	27.7	41.5

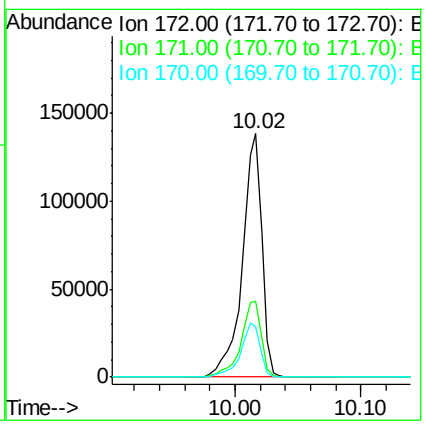


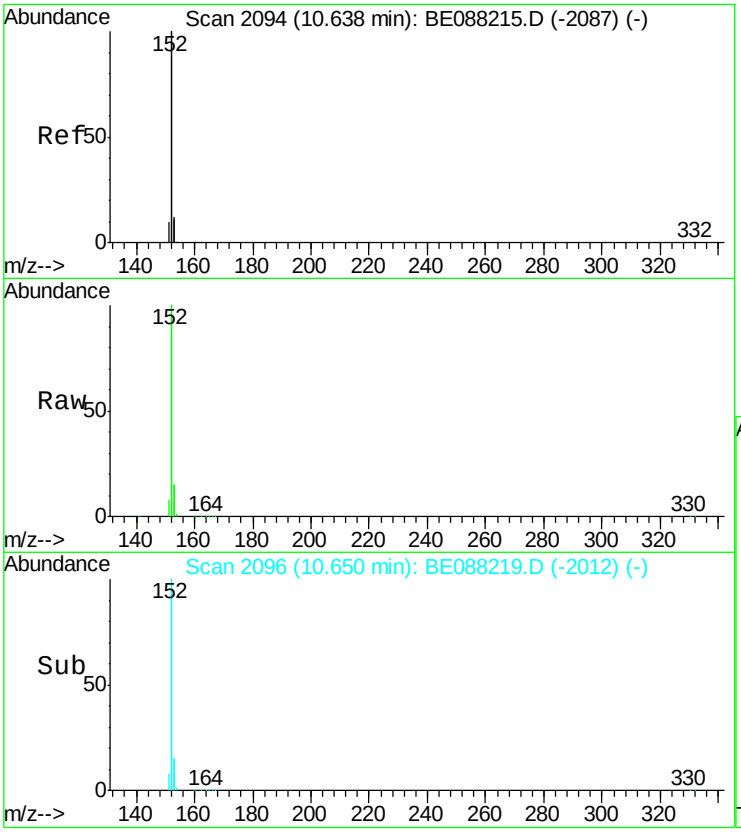


#8
2-Fluorobiphenyl
Concen: 7.28 ng
RT: 10.02 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:172 Resp: 147531

Ion	Ratio	Lower	Upper
172	100		
171	31.4	25.8	38.6
170	20.6	17.4	26.0

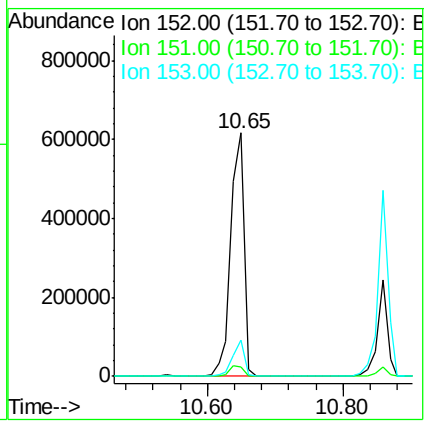




#9
Acenaphthylene
Concen: 7.62 ng
RT: 10.65 min Scan# 2096
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:152 Resp: 827335

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.1	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
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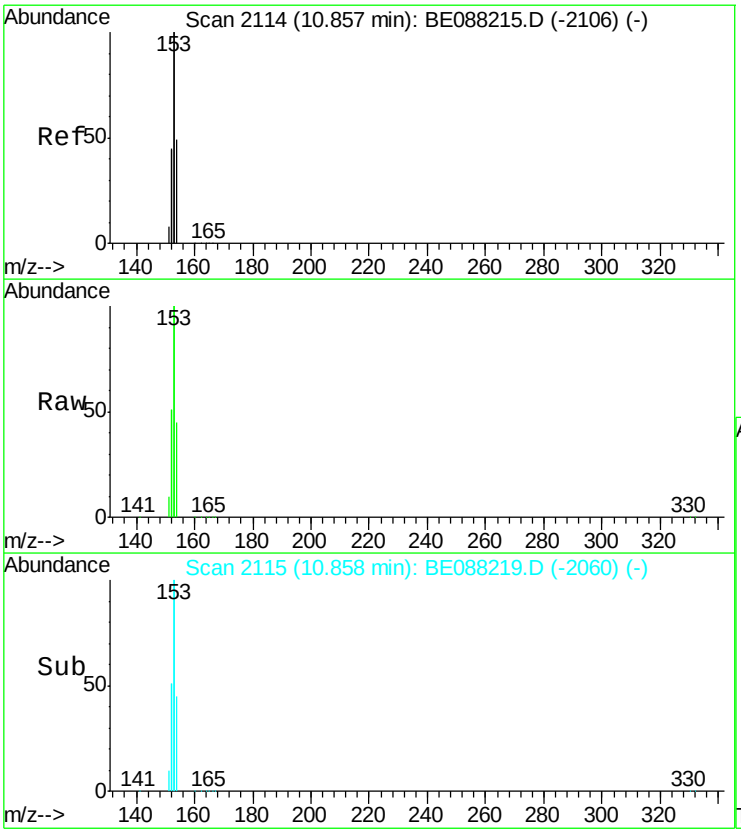
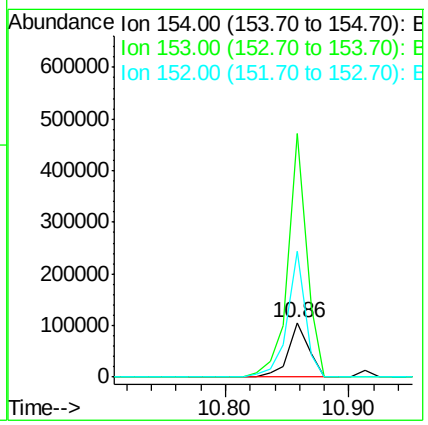
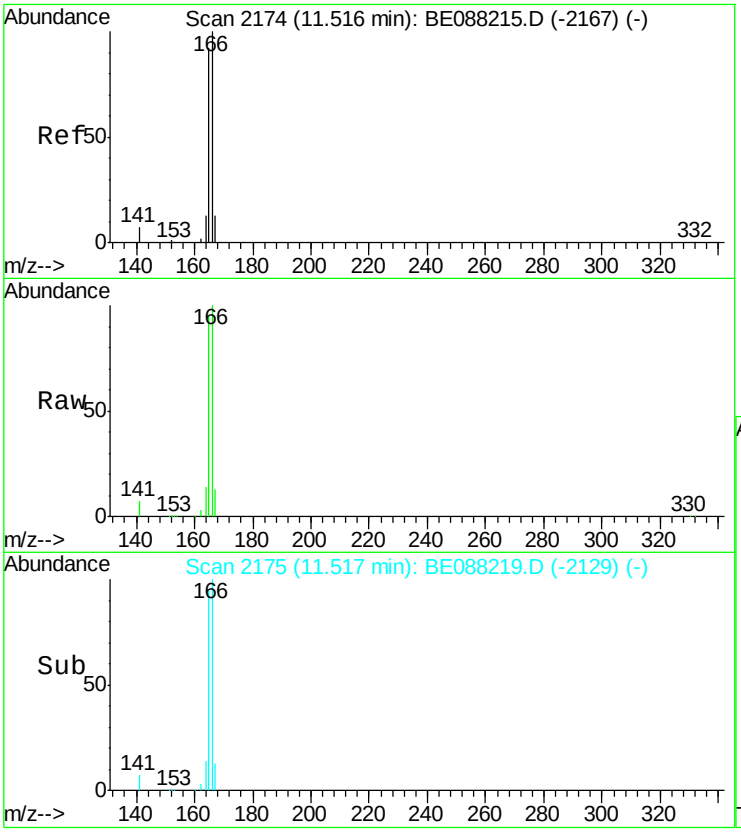


#10
Acenaphthene
Concen: 6.92 ng
RT: 10.86 min Scan# 2115
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:154 Resp: 118905

Ion	Ratio	Lower	Upper
154	100		
153	417.5	326.0	489.0
152	205.8	155.6	233.4





#11
Fluorene
Concen: 7.43 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:166 Resp: 130206

Ion	Ratio	Lower	Upper
166	100		
165	89.8	71.8	107.6
167	13.5	10.7	16.1

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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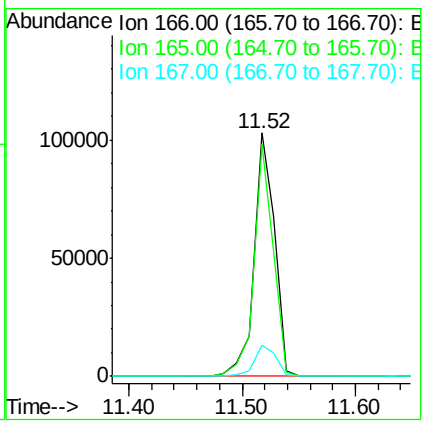
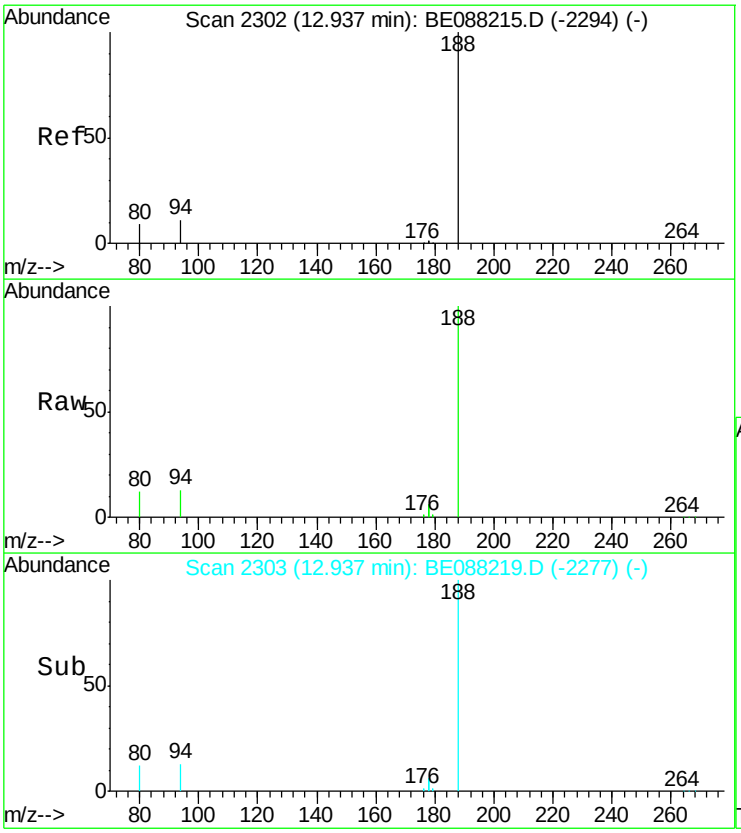
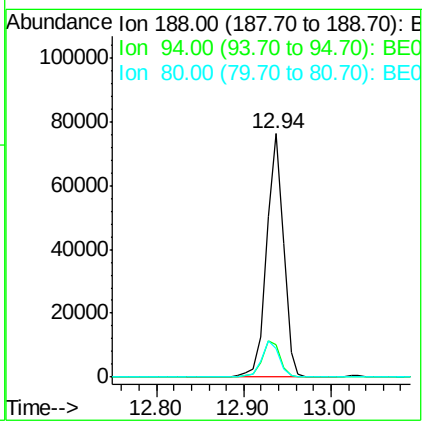


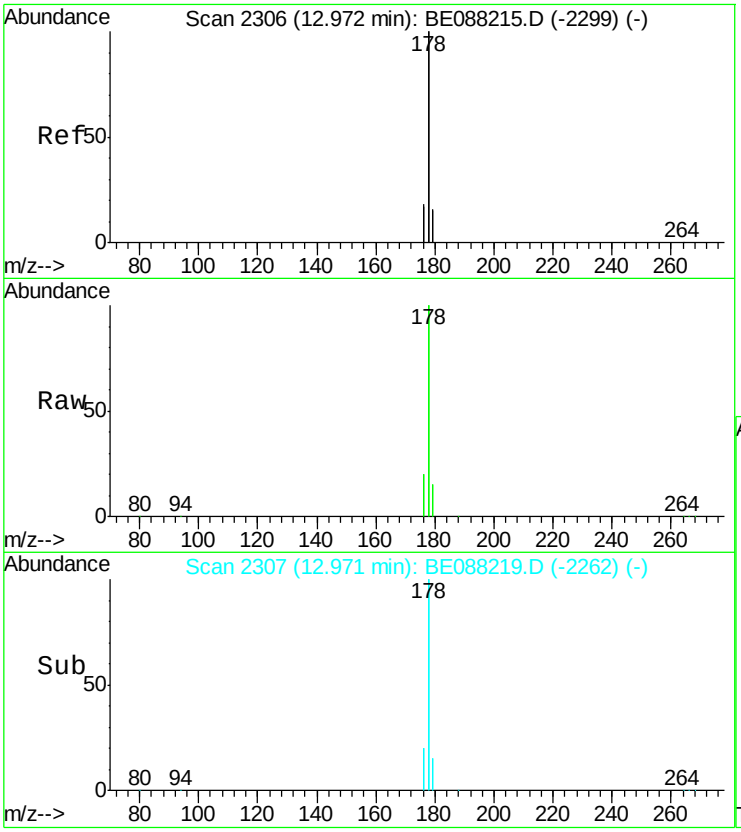


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:188 Resp: 125219

Ion	Ratio	Lower	Upper
188	100		
94	13.2	8.5	12.7#
80	11.9	7.4	11.0#

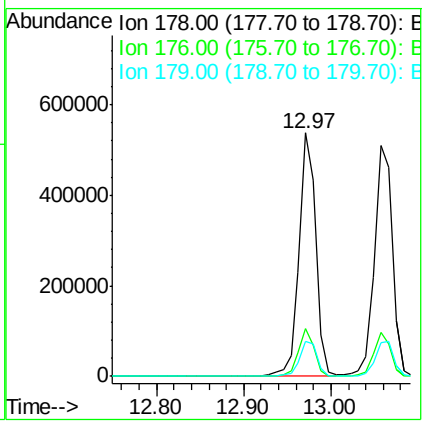




#13
Phenanthrene
Concen: 7.33 ng
RT: 12.97 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:178 Resp: 885560

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.0	21.0
179	15.4	11.8	17.6



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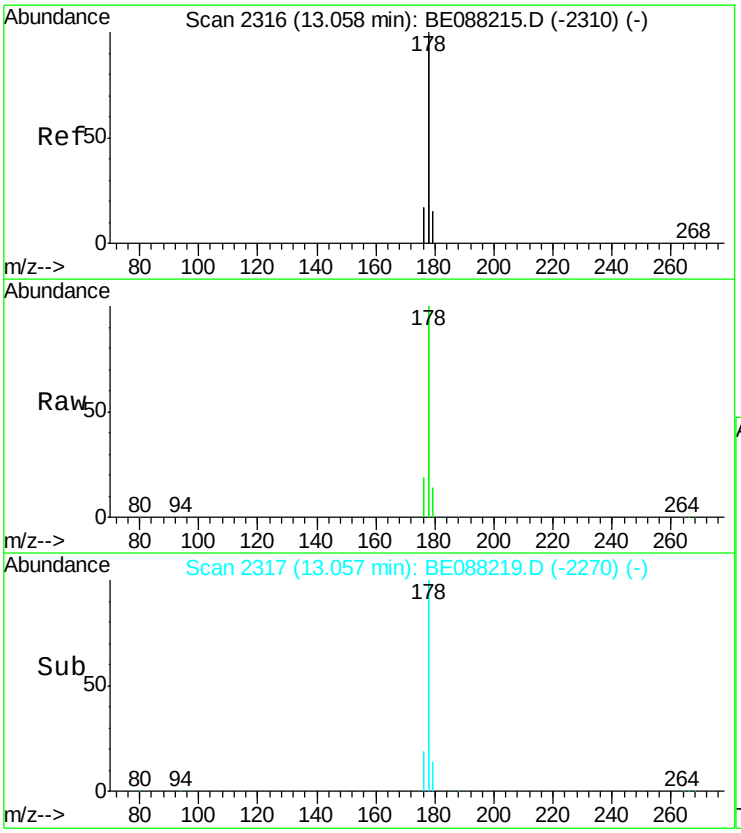
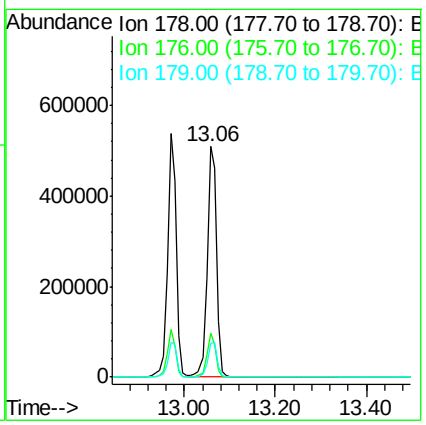
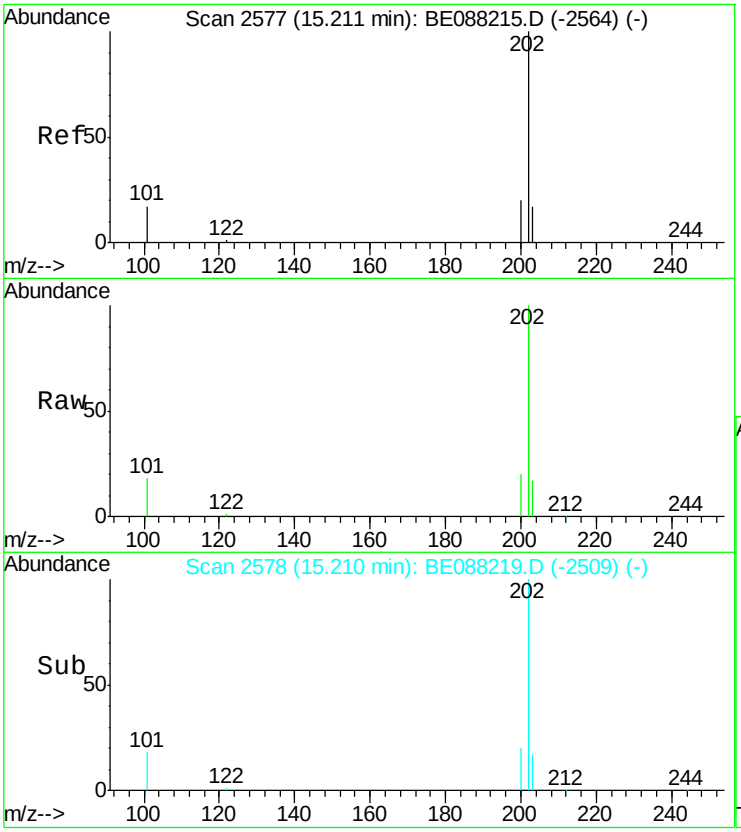


#14
Anthracene
Concen: 8.17 ng
RT: 13.06 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:178 Resp: 728230

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.2	12.3	18.5

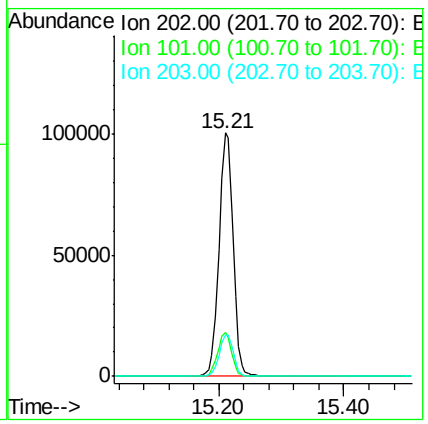




#15
Fluoranthene
Concen: 8.56 ng
RT: 15.21 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:202 Resp: 156826

Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.4	21.6
203	17.3	13.4	20.2



Instrument :
BNA_E
ClientSampleId :
PB79823BSD

Manual Integrations APPROVED
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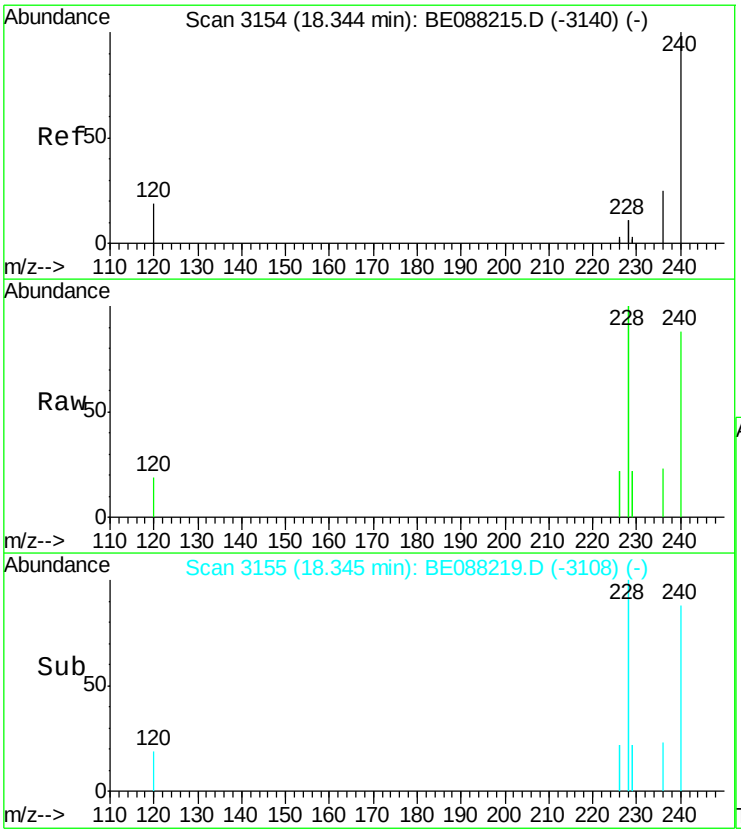
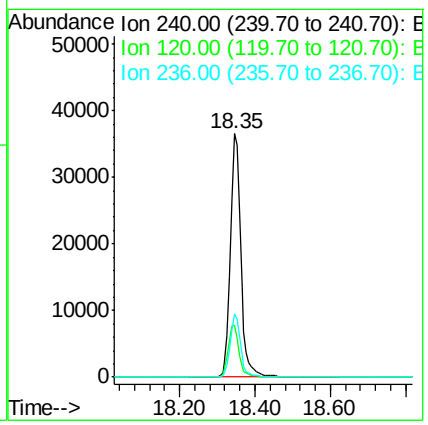
10/28/2014 12:22:34 PM

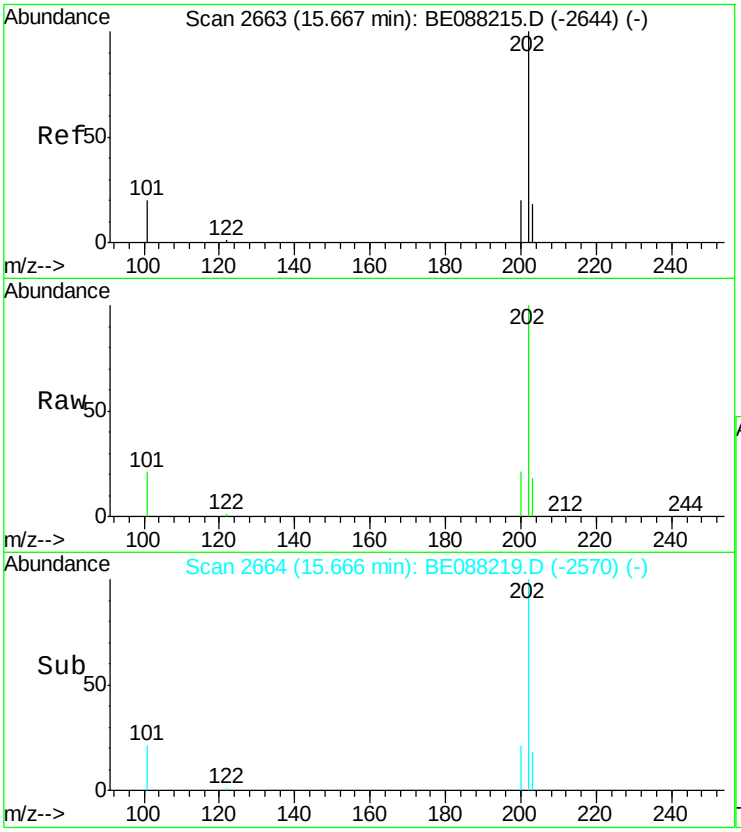


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.35 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:240 Resp: 68777

Ion	Ratio	Lower	Upper
240	100		
120	21.1	15.1	22.7
236	25.9	20.1	30.1

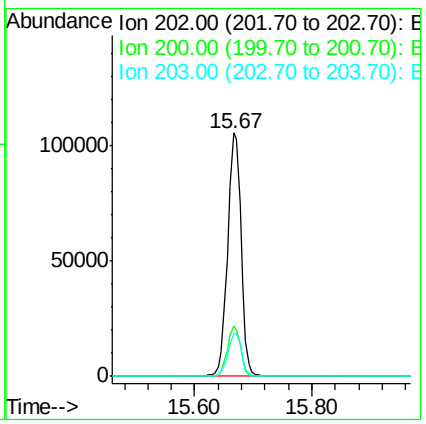




#17
Pyrene
Concen: 8.84 ng
RT: 15.67 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:202 Resp: 166763

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	17.9	13.8	20.8



Instrument :
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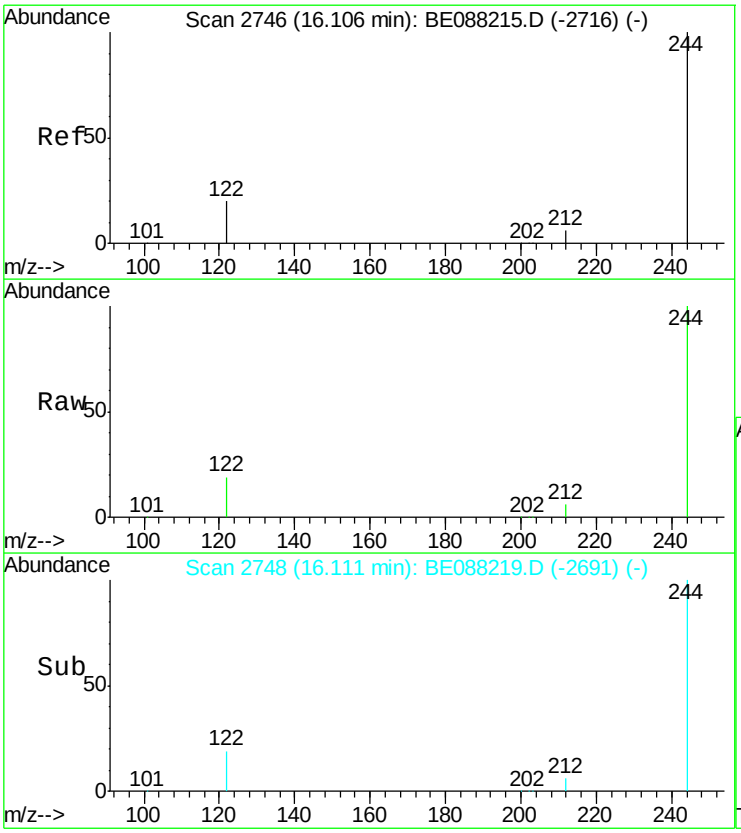
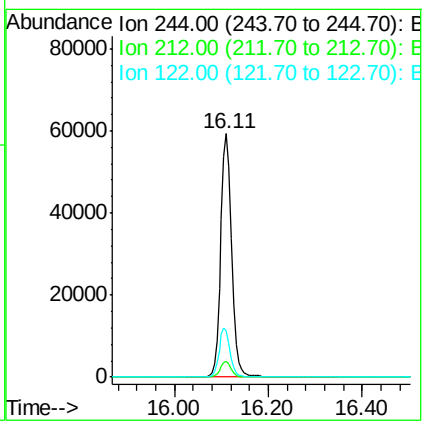
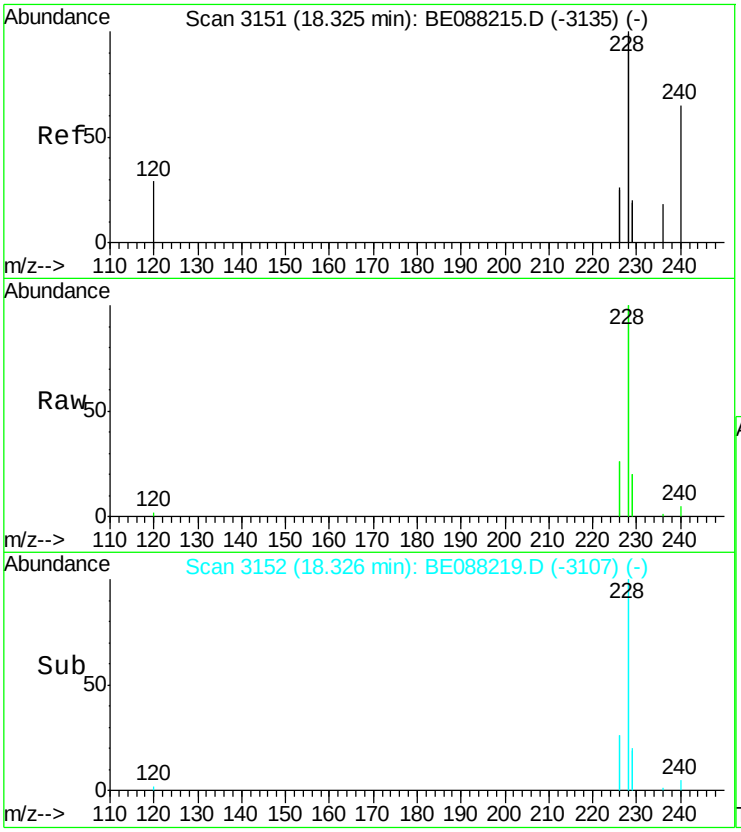


#18
Terphenyl-d14
Concen: 8.69 ng
RT: 16.11 min Scan# 2748
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:244 Resp: 97868

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	18.9	16.7	25.1

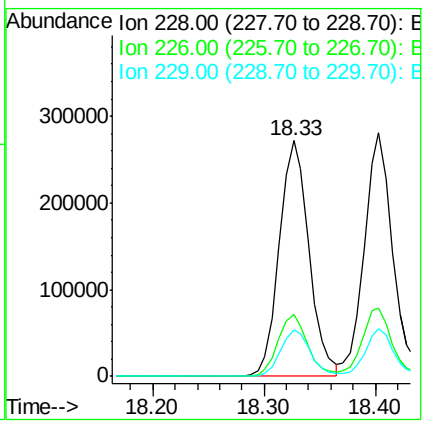




#19
Benzo(a)anthracene
Concen: 9.24 ng
RT: 18.33 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:228 Resp: 500145

Ion	Ratio	Lower	Upper
228	100		
226	26.0	20.5	30.7
229	19.5	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
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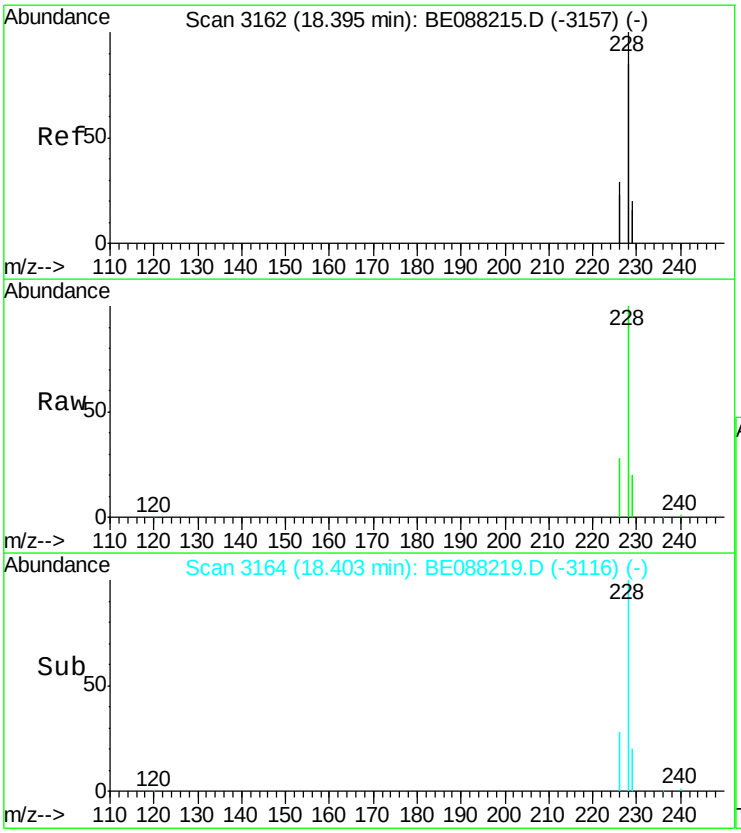
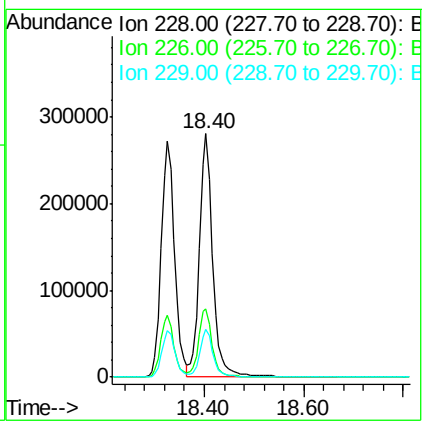
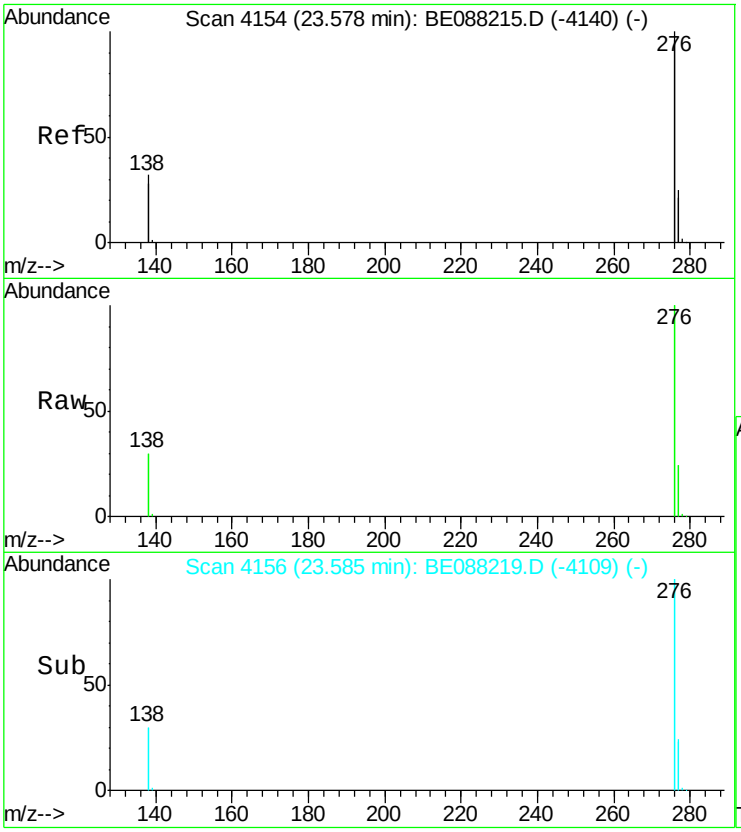


#20
Chrysene
Concen: 8.39 ng
RT: 18.40 min Scan# 3164
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:228 Resp: 515862

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.3	34.9
229	19.8	15.6	23.4





#21
Indeno(1,2,3-cd)pyrene
Concen: 7.28 ng m
RT: 23.58 min Scan# 4156
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:276 Resp: 472739

Ion	Ratio	Lower	Upper
276	100		
138	21.0	13.9	20.9#
277	16.7	10.7	16.1#

Instrument :
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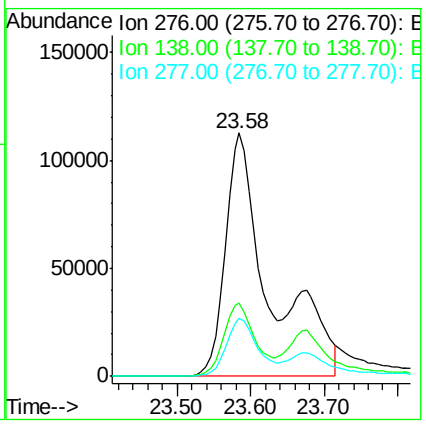
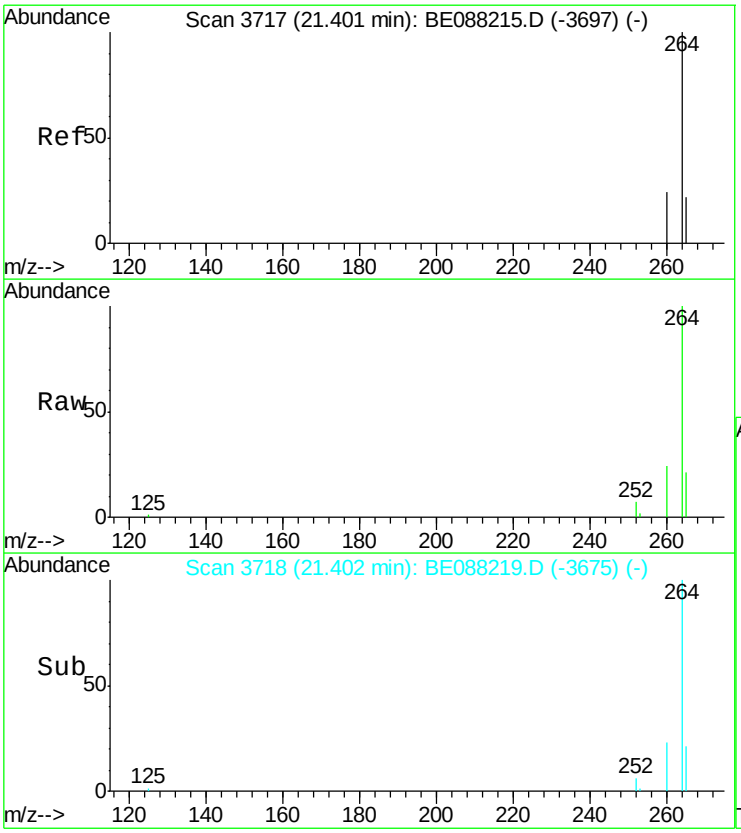
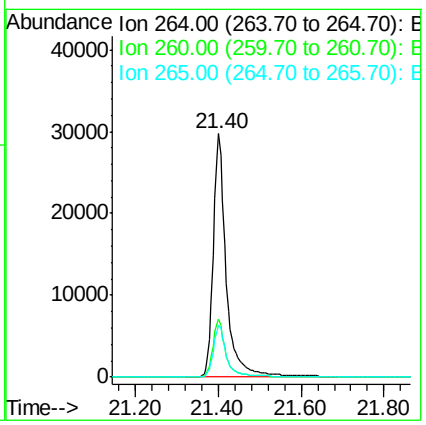


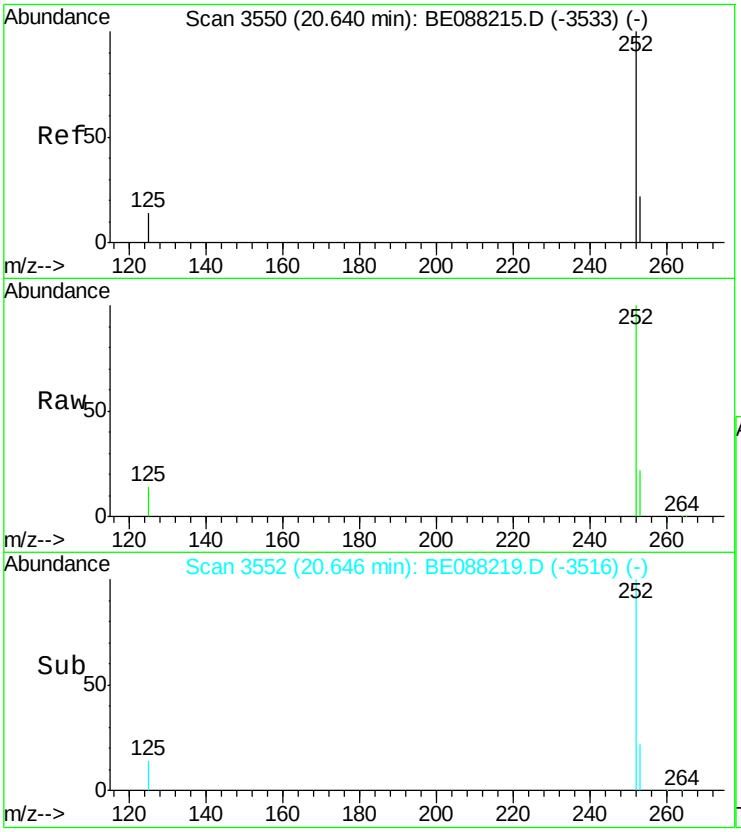


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. 0.00 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:264 Resp: 63539

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.5	17.4	26.2

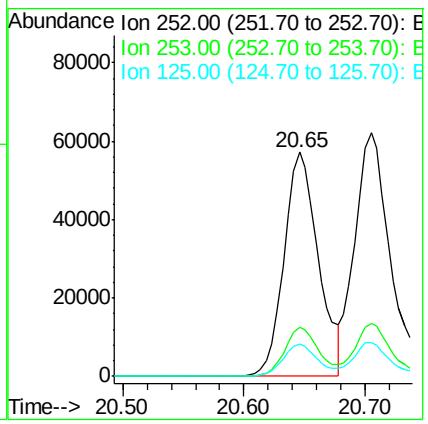




#23
Benzo(b)fluoranthene
Concen: 8.26 ng
RT: 20.65 min Scan# 3552
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:252 Resp: 111954

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	14.3	12.2	18.2



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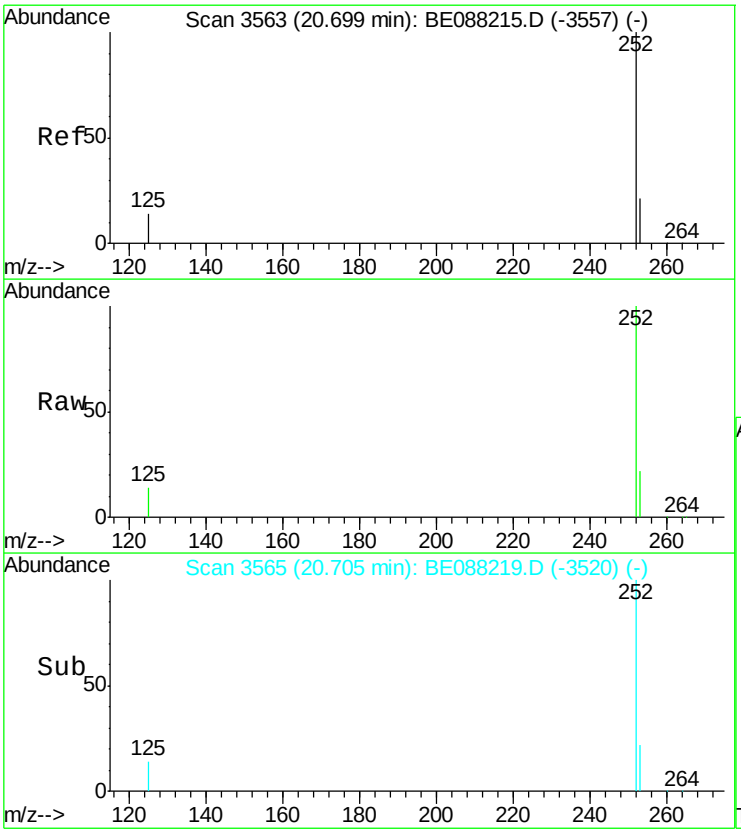
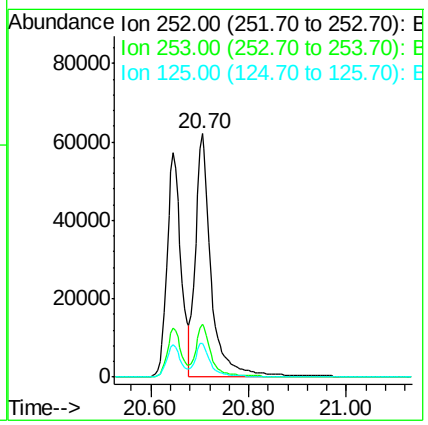
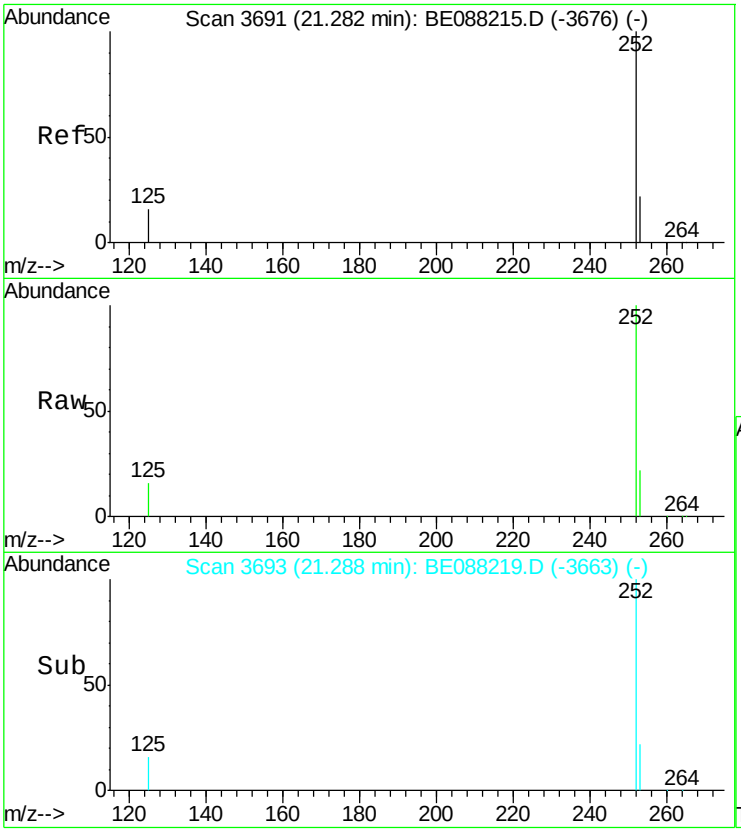


#24
Benzo(k)fluoranthene
Concen: 8.38 ng
RT: 20.70 min Scan# 3565
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:252 Resp: 137487

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.1	12.1	18.1

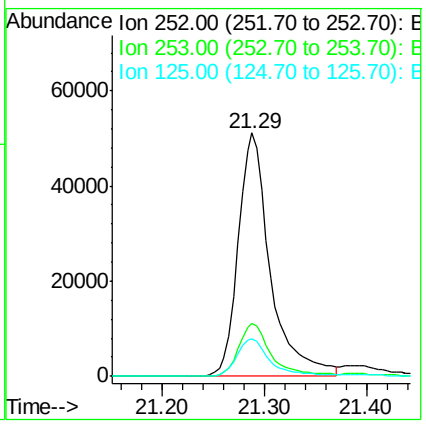




#25
Benzo(a)pyrene
Concen: 8.22 ng
RT: 21.29 min Scan# 3693
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:252 Resp: 110483

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	15.6	13.5	20.3



Instrument :
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ClientSampleId :
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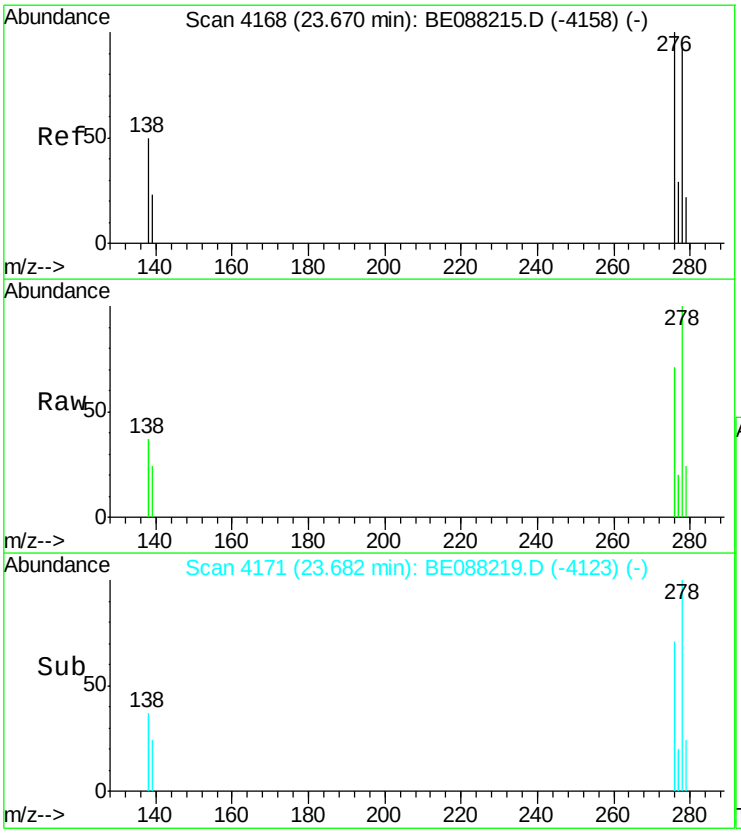
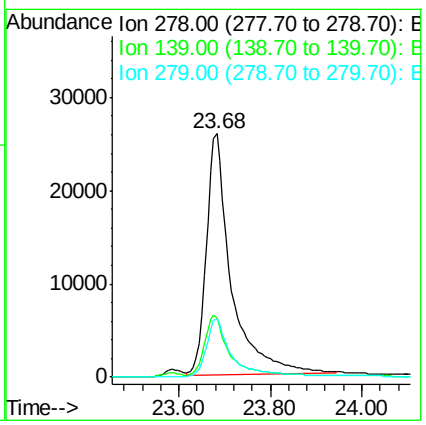
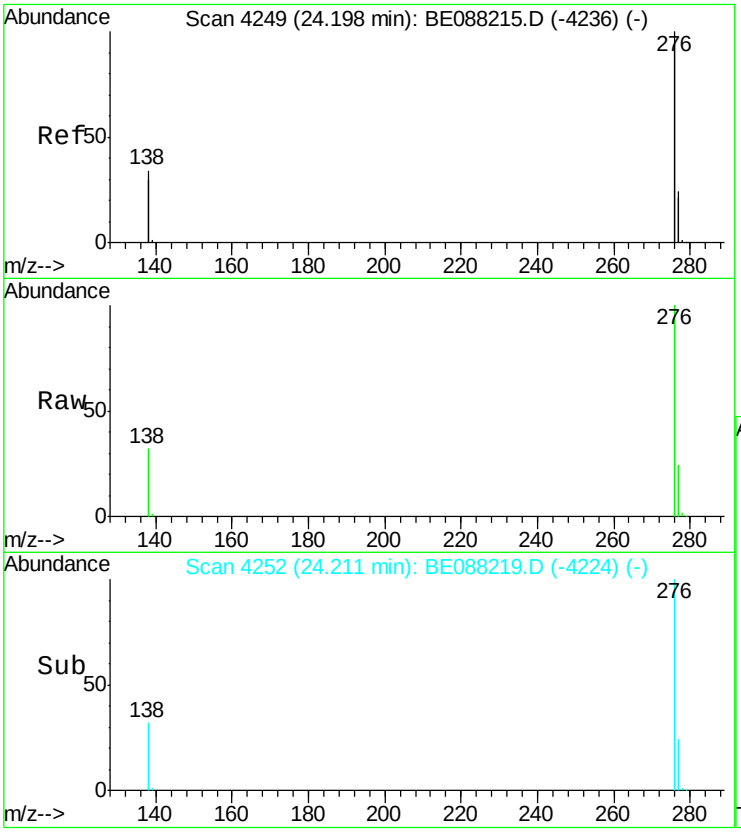


#26
Dibenzo(a,h)anthracene
Concen: 7.57 ng
RT: 23.68 min Scan# 4171
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:278 Resp: 97580

Ion	Ratio	Lower	Upper
278	100		
139	24.3	22.1	33.1
279	24.0	20.2	30.2

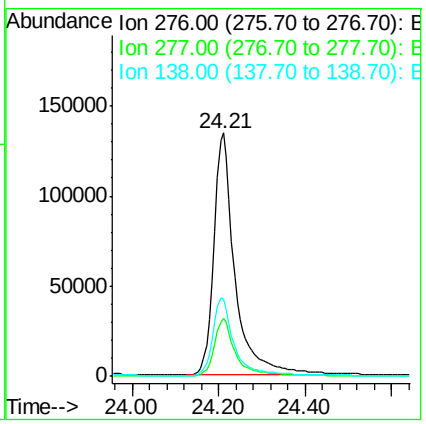




#27
Benzo(g,h,i)perylene
Concen: 8.99 ng
RT: 24.21 min Scan# 4252
Delta R.T. 0.01 min
Lab File: BE088219.D
Acq: 24 Oct 2014 18:57

Tgt Ion:276 Resp: 457877

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	31.9	27.3	40.9



Instrument :
BNA_E
ClientSampleId :
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