Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089830.D
Acq On : 25 Mar 2015 3:36
Operator : TP/JJ
Sample : G1575-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RW-12V

Manual Integrations APPROVED
mohammad
3/25/2015 5:42:58 PM

Quant Time: Mar 25 17:03:33 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 24 18:03:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	203516	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	818902	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	387737	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	669660	5.00	ng	0.00
19) Chrysene-d12	24.26	240	654269	5.00	ng	0.00
25) Perylene-d12	27.42	264	610363	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	451431	7.58	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	733477	8.08	ng	0.00
21) Terphenyl-d14	21.87	244	830170	8.60	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.31	128	5539	0.03	ng	# 78
7) 2-Methylnaphthalene	11.93	142	3044	0.03	ng	# 69
16) Phenanthrene	17.97	178	15949	0.11	ng	100
17) Anthracene	18.10	178	8042m	0.06	ng	
18) Fluoranthene	20.83	202	41145	0.31	ng	97
20) Pyrene	21.35	202	35608	0.21	ng	# 95
22) Benzo(a)anthracene	24.25	228	15665	0.13	ng	# 87
23) Chrysene	24.32	228	24368	0.18	ng	# 91
24) Indeno(1,2,3-cd)pyrene	29.39	276	11631	0.50	ng	# 72
26) Benzo(b)fluoranthene	26.64	252	25830	0.50	ng	# 79
27) Benzo(k)fluoranthene	26.70	252	12531	0.10	ng	# 59
28) Benzo(a)pyrene	27.30	252	13026	0.40	ng	# 68
30) Benzo(g,h,i)perylene	29.84	276	15177	0.37	ng	# 89

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_E
ClientSampleId :
RW-12V

Manual Integrations APPROVED
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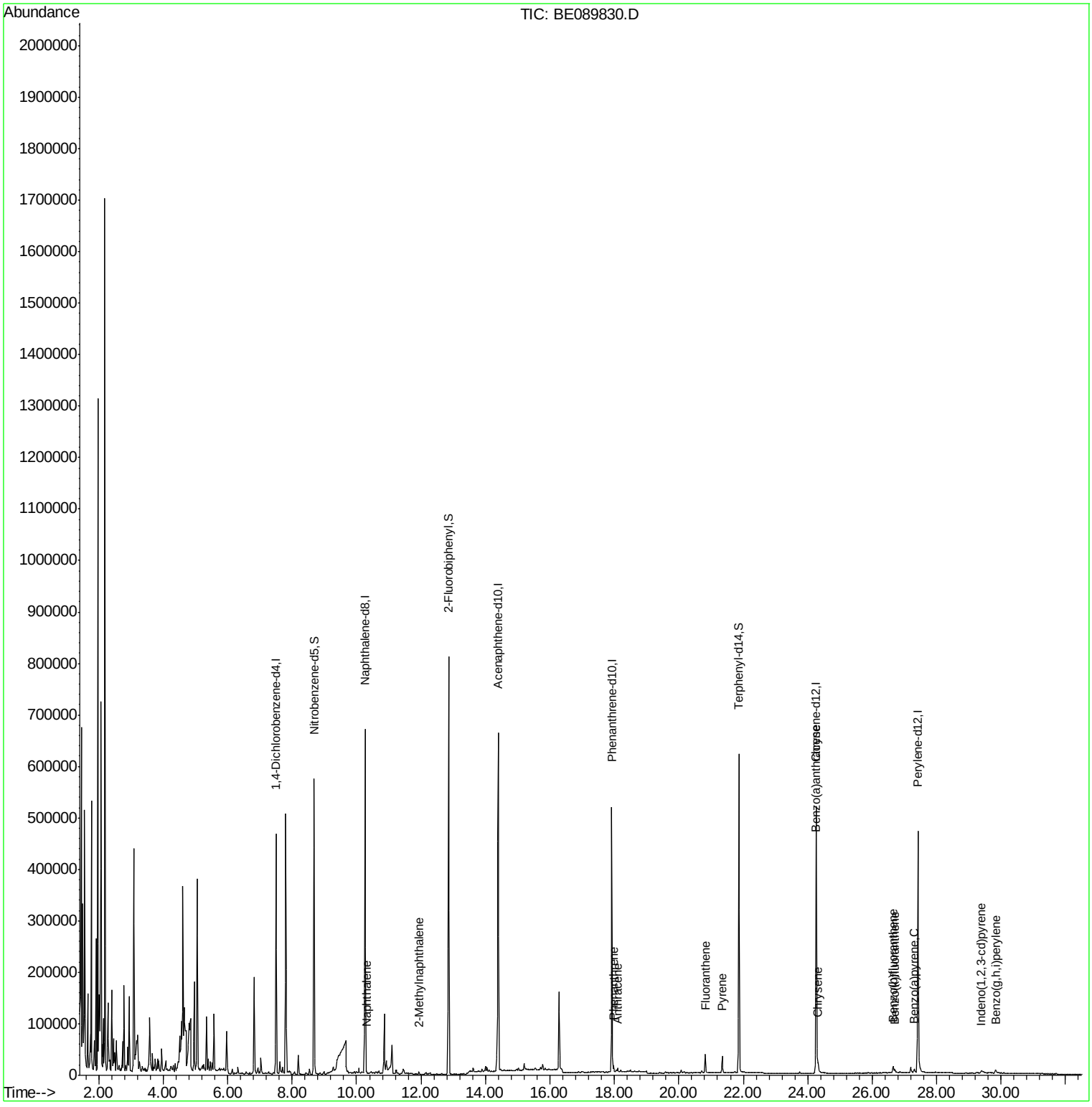
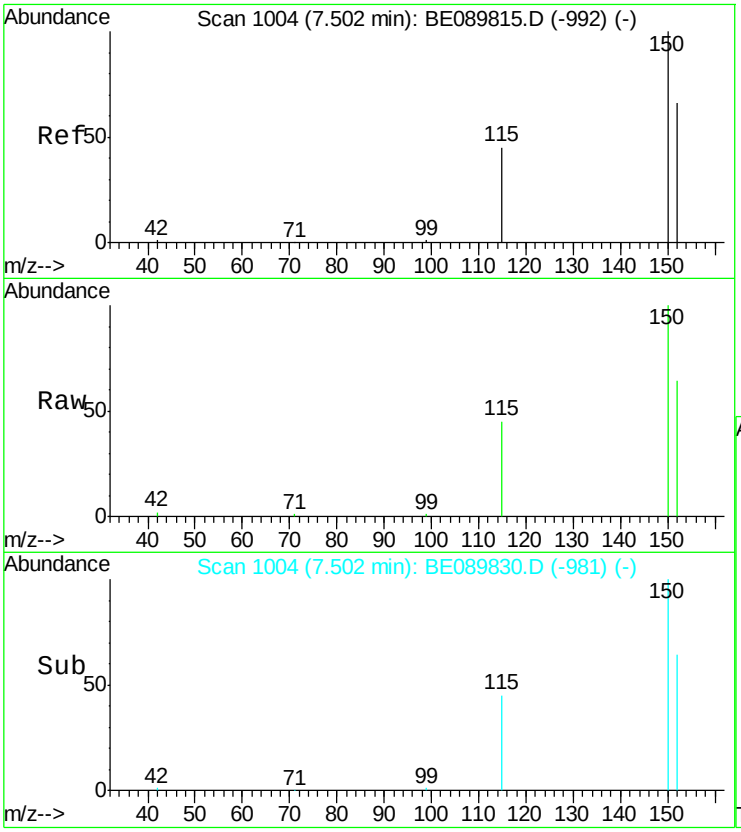
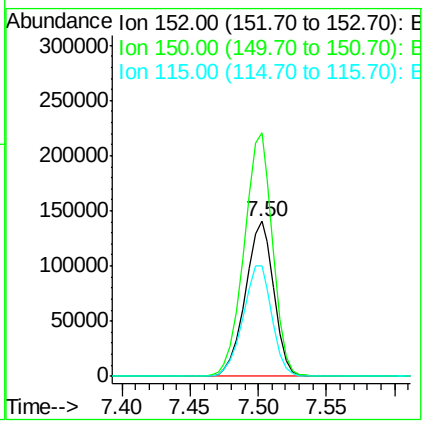




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.50 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:152 Resp: 203516

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.5	188.3
115	71.3	58.0	87.0



Instrument :
BNA_E
ClientSampleId :
RW-12V

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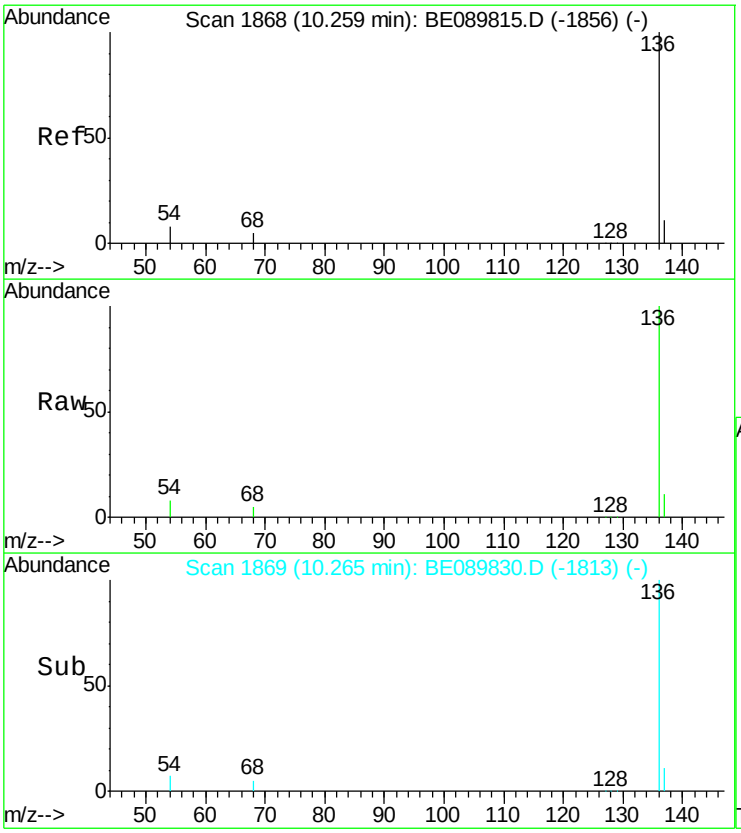
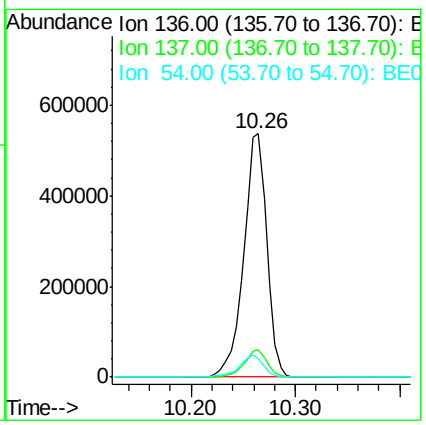
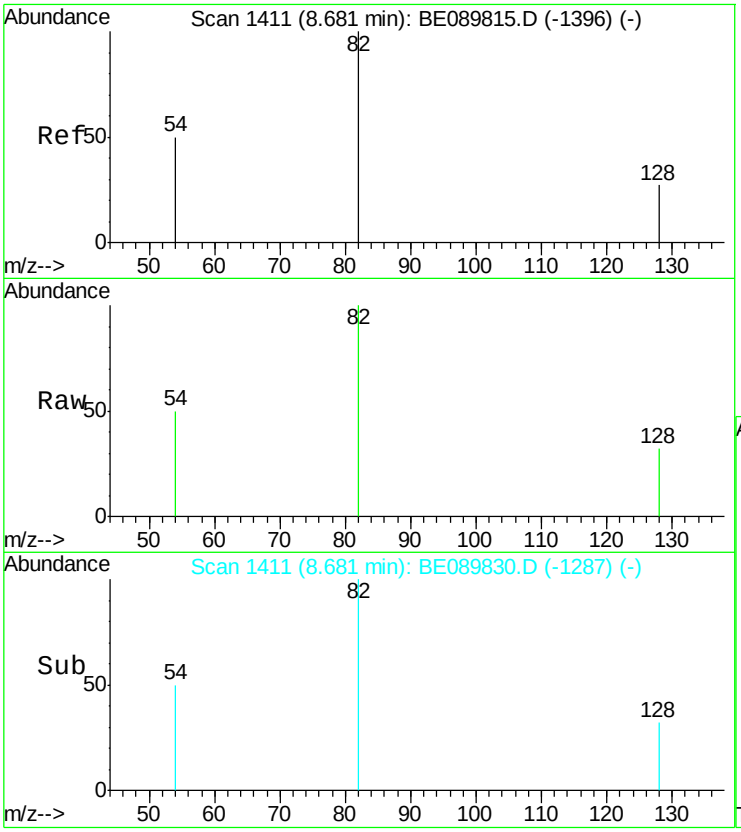


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 1869
Delta R.T. 0.01 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:136 Resp: 818902

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.6	7.0	10.4

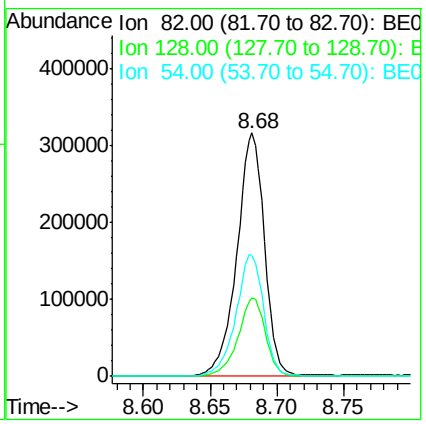




#5
Nitrobenzene-d5
Concen: 7.58 ng
RT: 8.68 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion: 82 Resp: 451431

Ion	Ratio	Lower	Upper
82	100		
128	32.0	24.6	37.0
54	49.8	43.0	64.6



Instrument :
BNA_E
ClientSampleId :
RW-12V

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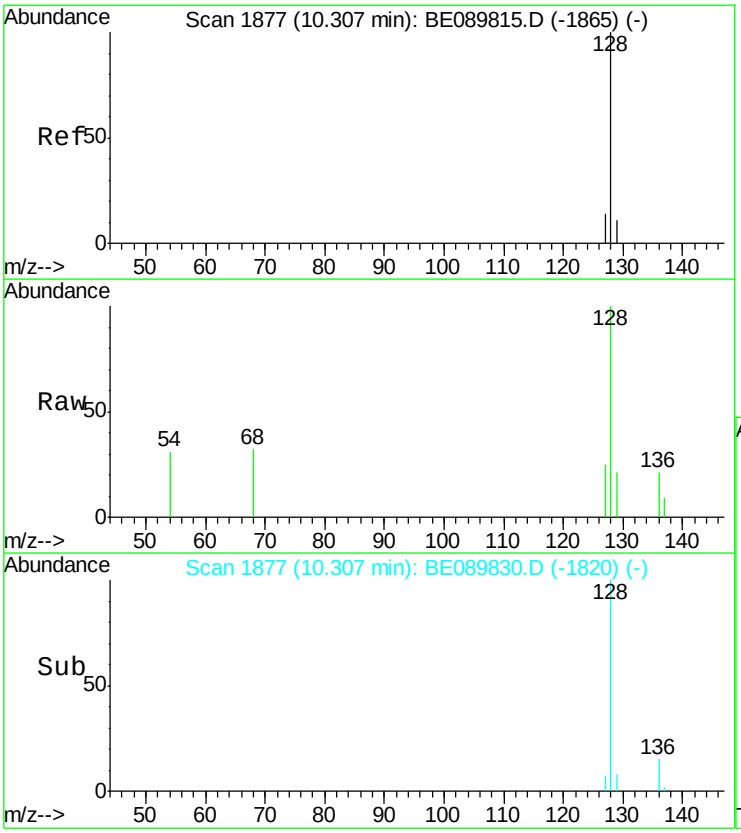
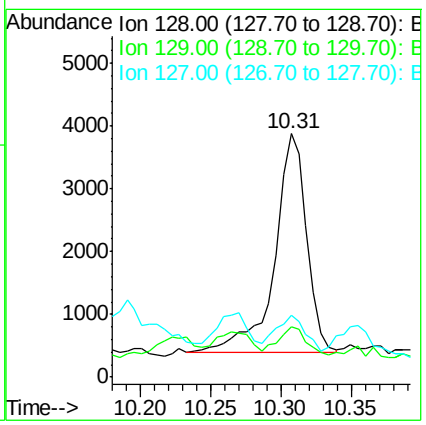
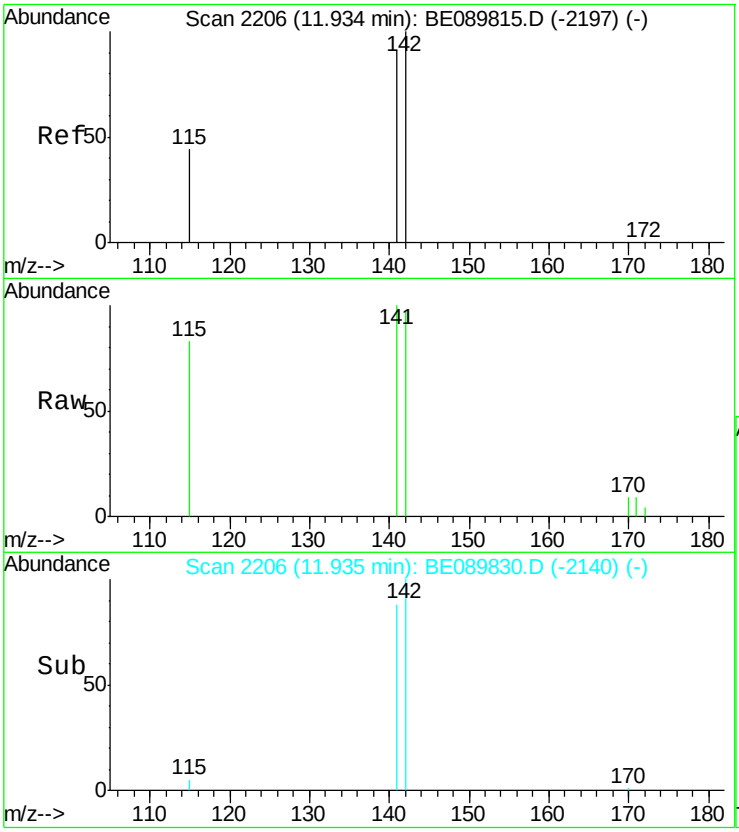


#6
Naphthalene
Concen: 0.03 ng
RT: 10.31 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:128 Resp: 5539

Ion	Ratio	Lower	Upper
128	100		
129	20.8	10.0	15.0#
127	25.3	12.5	18.7#





#7
2-Methylnaphthalene
Concen: 0.03 ng
RT: 11.93 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:142 Resp: 3044

Ion	Ratio	Lower	Upper
142	100		
141	102.8	72.8	109.2
115	85.6	32.9	49.3#

Instrument :
BNA_E
ClientSampleId :
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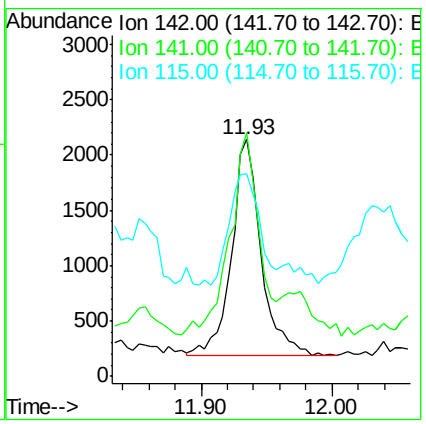
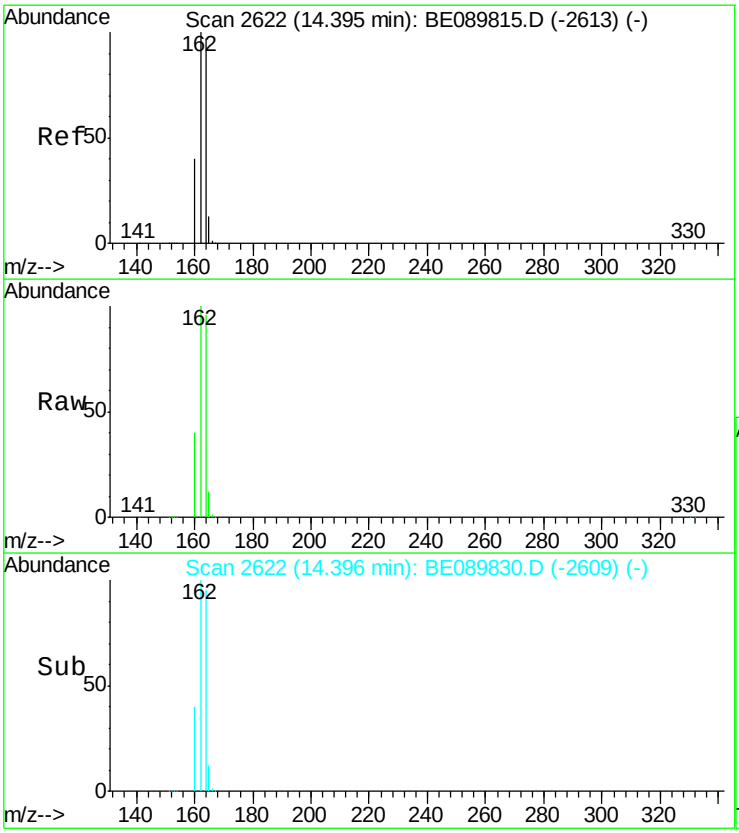
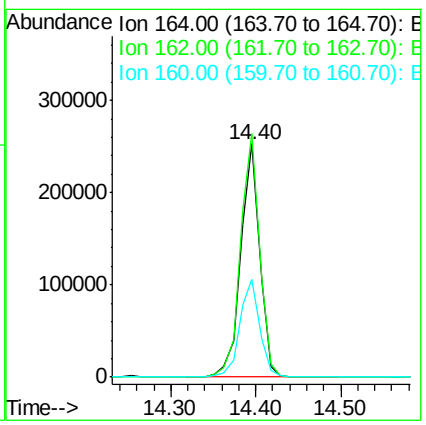


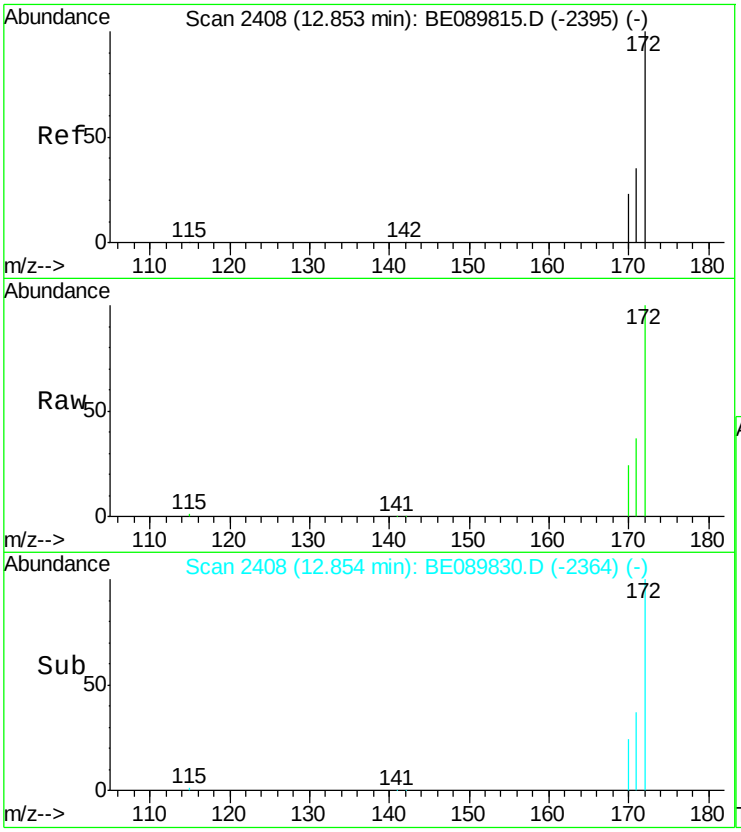


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:164 Resp: 387737

Ion	Ratio	Lower	Upper
164	100		
162	104.5	87.6	131.4
160	42.1	36.7	55.1

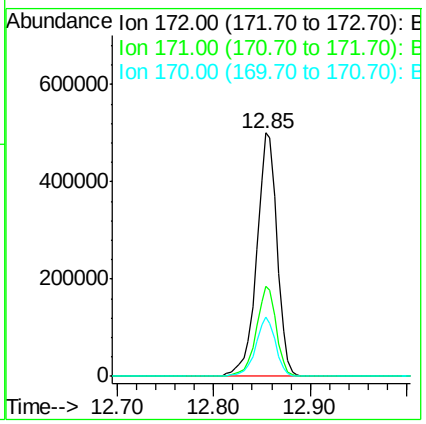




#9
2-Fluorobiphenyl
Concen: 8.08 ng
RT: 12.85 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:172 Resp: 733477

Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	24.2	21.0	31.4



Instrument :
BNA_E
ClientSampleId :
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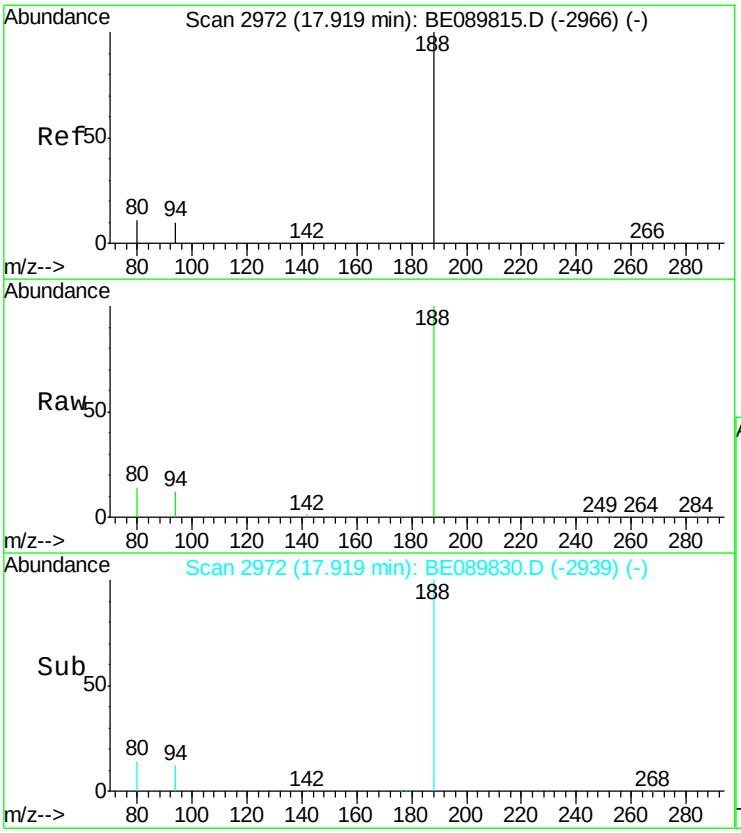
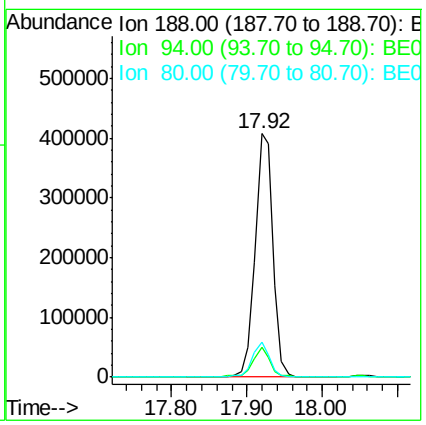
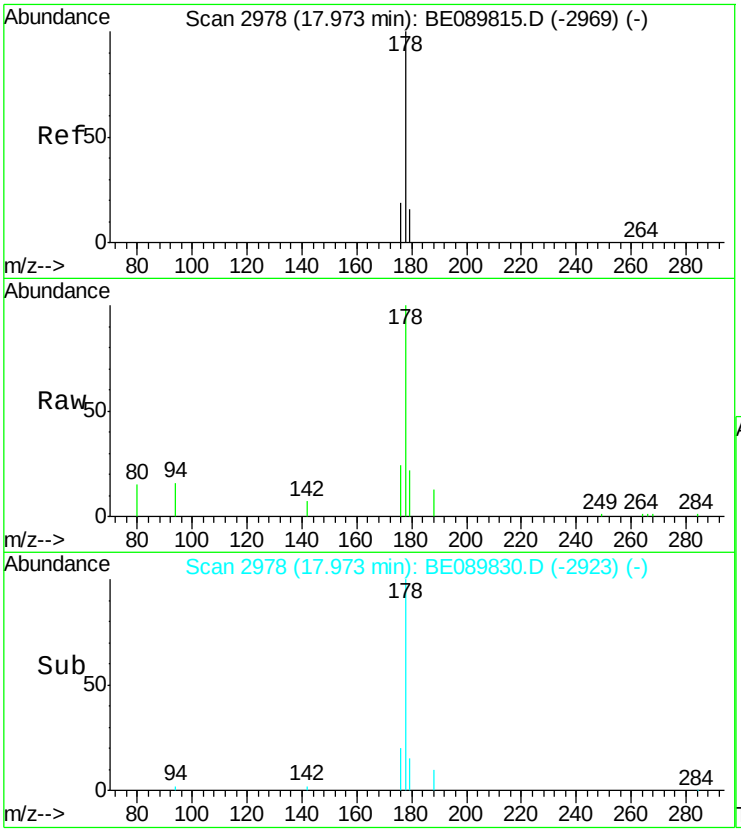


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:188 Resp: 669660

Ion	Ratio	Lower	Upper
188	100		
94	12.2	8.5	12.7
80	14.5	10.0	15.0

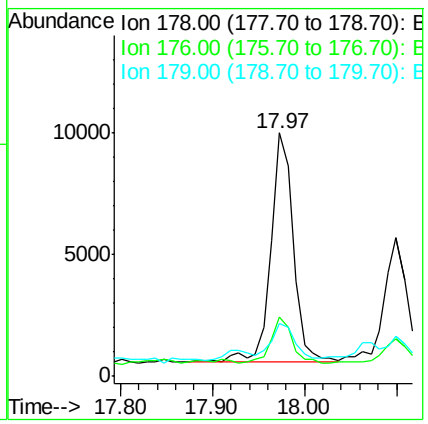




#16
Phenanthrene
Concen: 0.11 ng
RT: 17.97 min Scan# 2978
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:178 Resp: 15949

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.7	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
RW-12V

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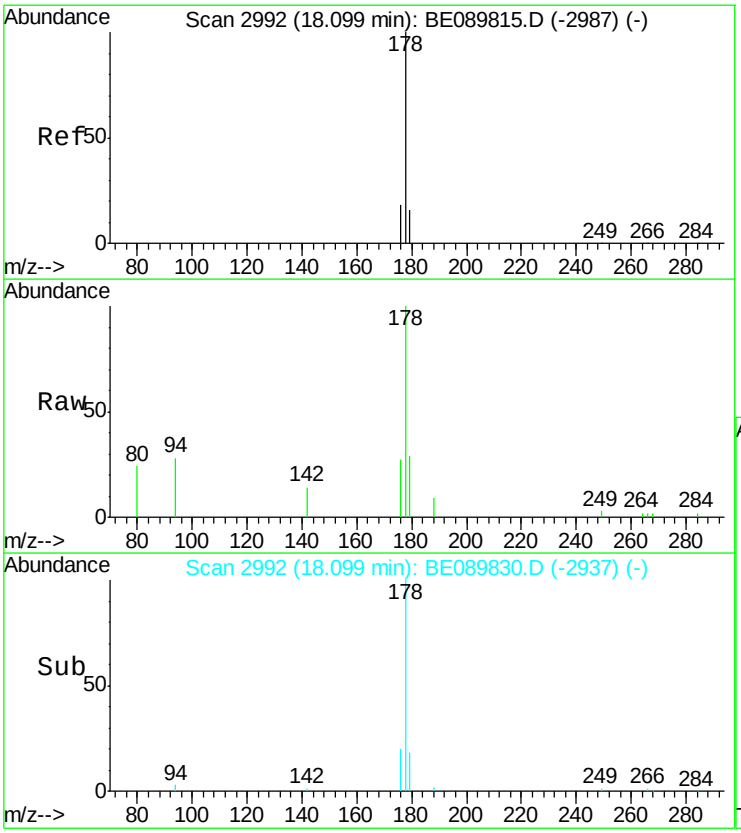
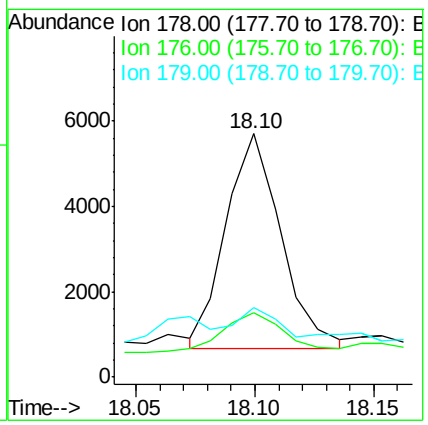
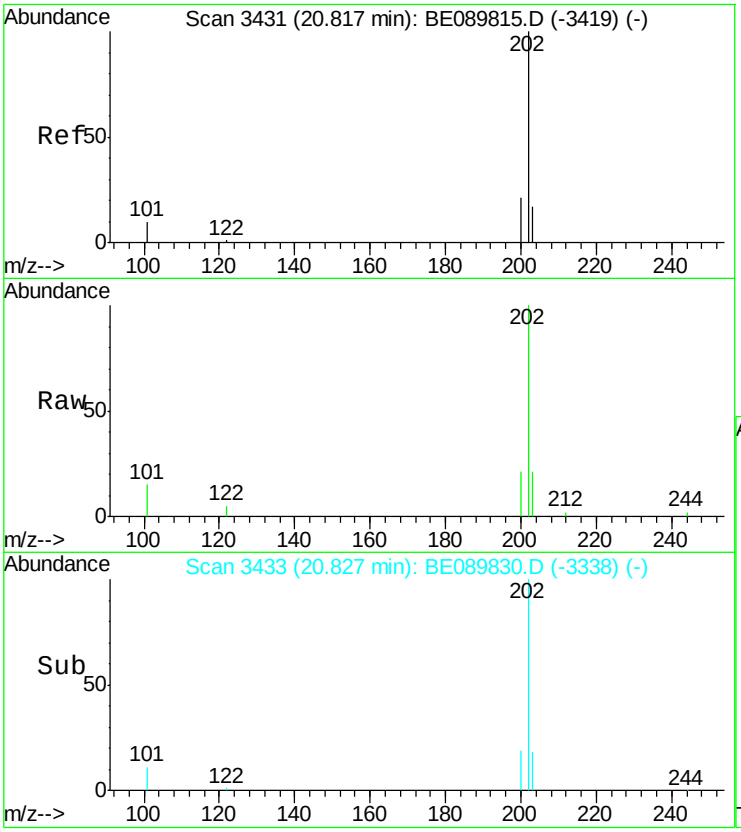


#17
Anthracene
Concen: 0.06 ng m
RT: 18.10 min Scan# 2992
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:178 Resp: 8042

Ion	Ratio	Lower	Upper
178	100		
176	37.9	14.6	21.8#
179	31.2	12.1	18.1#

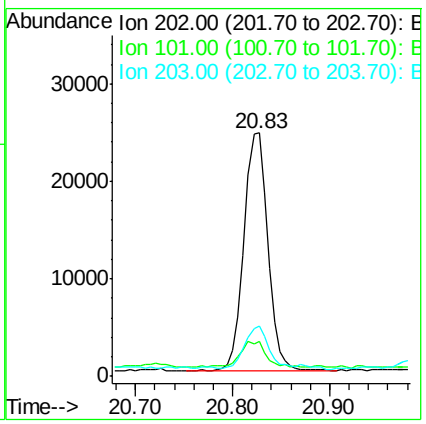




#18
Fluoranthene
Concen: 0.31 ng
RT: 20.83 min Scan# 3433
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:202 Resp: 41145

Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.2	12.2
203	16.6	14.2	21.4



Instrument :
BNA_E
ClientSampleId :
RW-12V

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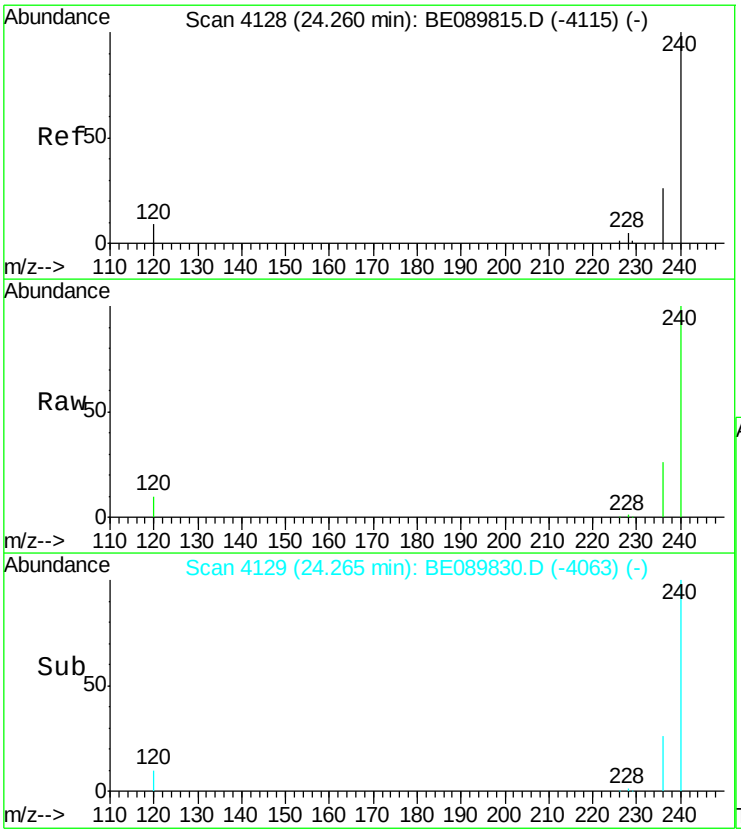
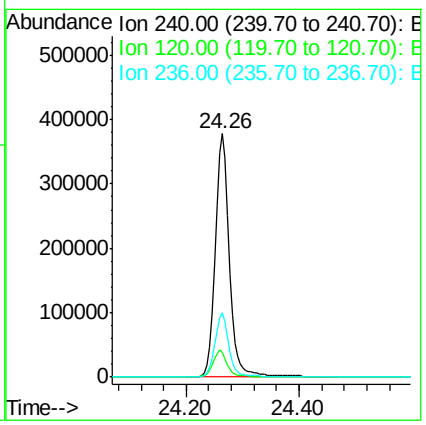
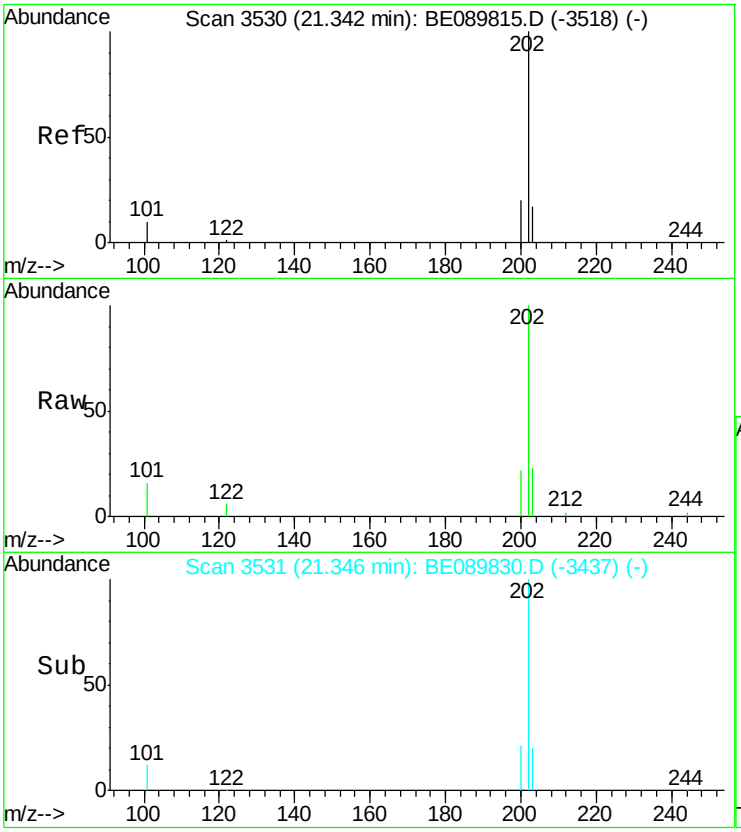


#19
Chrysene-d12
Concen: 5.00 ng
RT: 24.26 min Scan# 4129
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:240 Resp: 654269

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.5	11.3
236	26.4	20.5	30.7





#20
Pyrene
Concen: 0.21 ng
RT: 21.35 min Scan# 3531
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:202 Resp: 35608

Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.9	23.9
203	20.9	13.6	20.4#

Instrument :
BNA_E
ClientSampleId :
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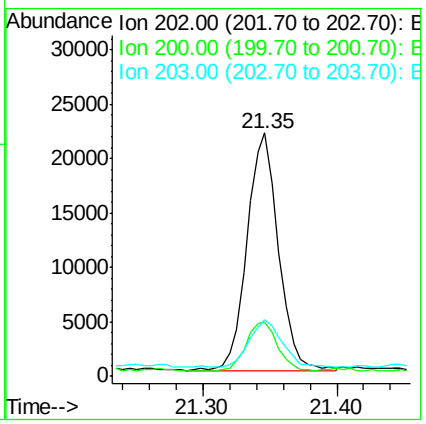
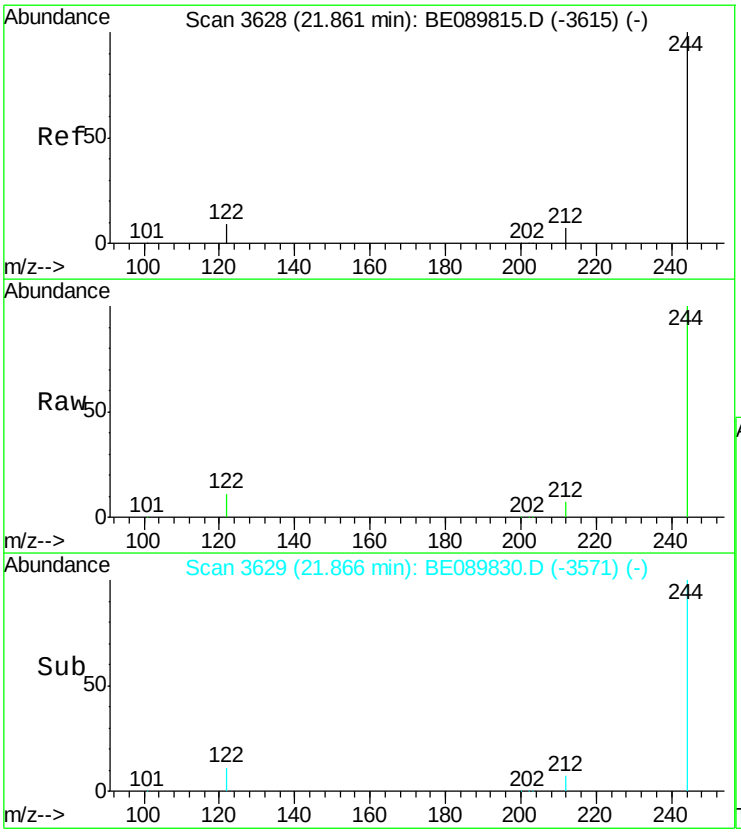
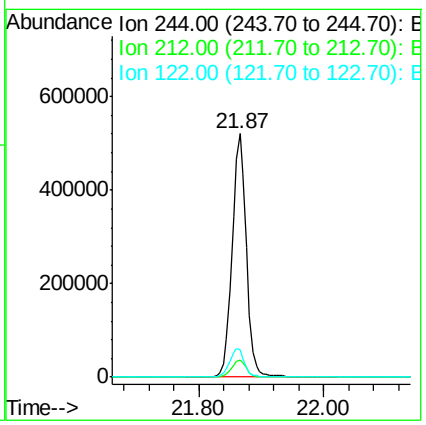


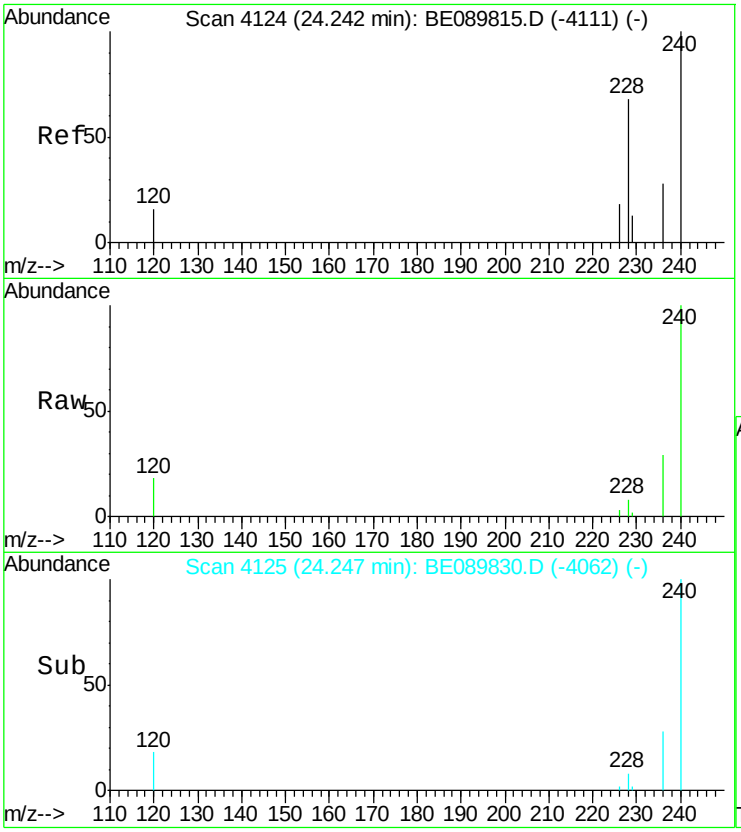


#21
Terphenyl-d14
Concen: 8.60 ng
RT: 21.87 min Scan# 3629
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:244 Resp: 830170

Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.3	10.9#
122	11.3	10.5	15.7





#22
Benzo(a)anthracene
Concen: 0.13 ng
RT: 24.25 min Scan# 4125
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:228 Resp: 15665

Ion	Ratio	Lower	Upper
228	100		
226	30.3	19.8	29.8#
229	28.0	16.3	24.5#

Instrument :
BNA_E
ClientSampleId :
RW-12V

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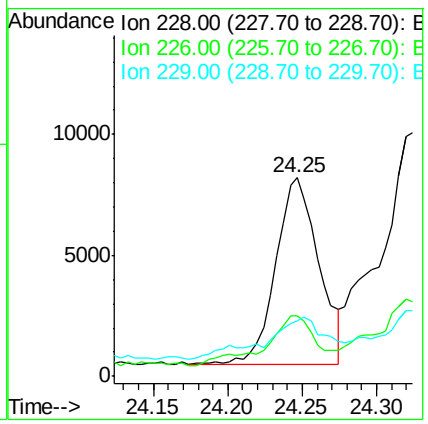
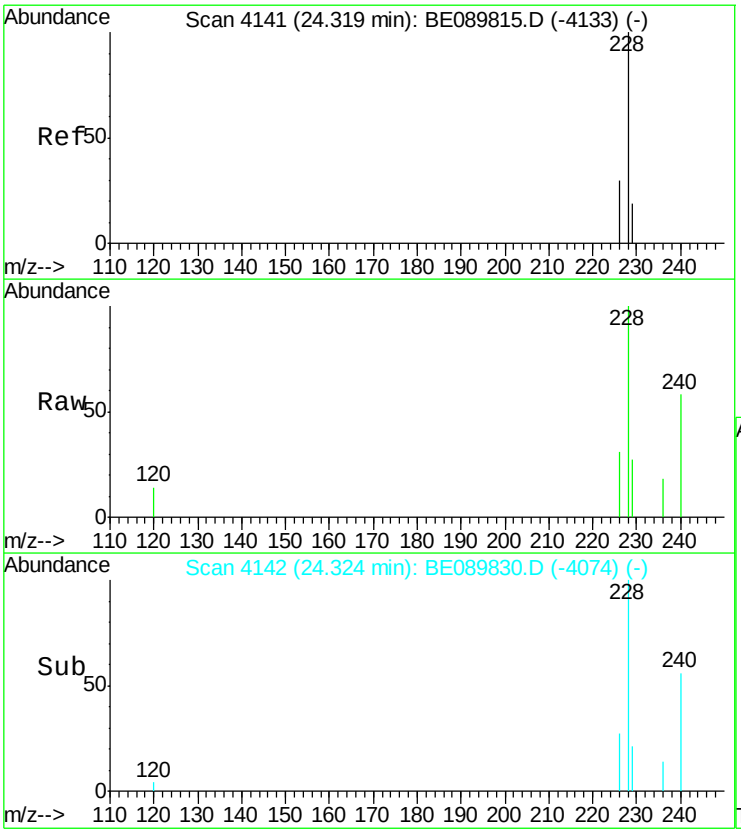
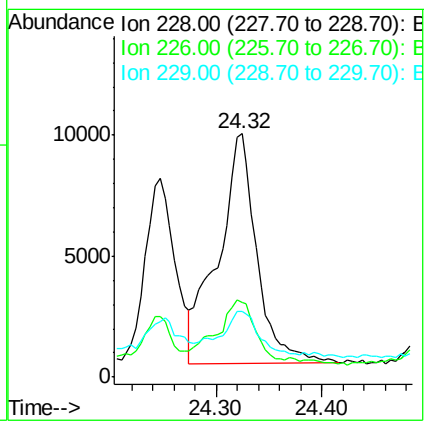


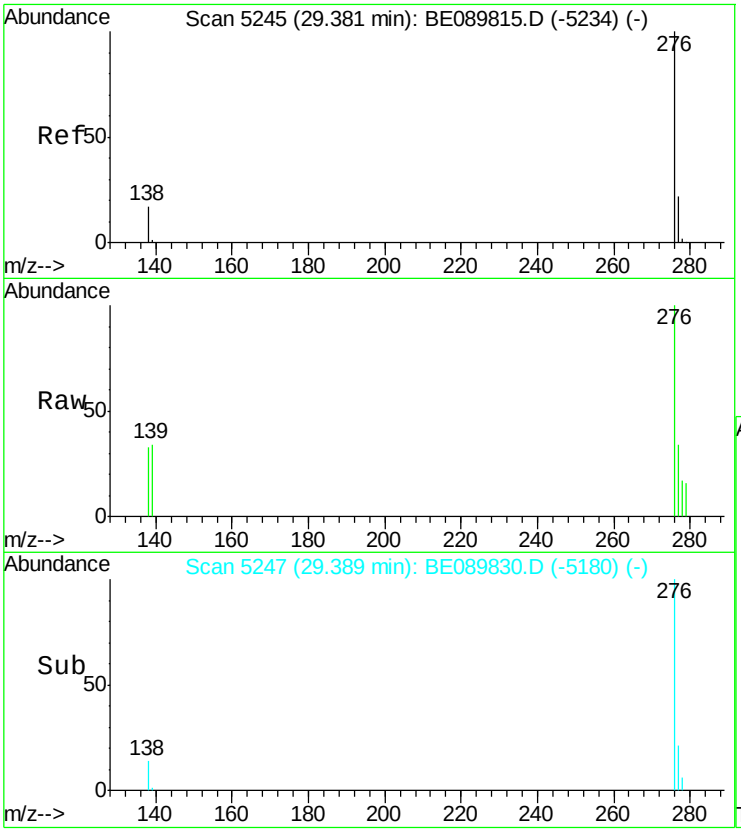


#23
Chrysene
Concen: 0.18 ng
RT: 24.32 min Scan# 4142
Delta R.T. 0.01 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:228 Resp: 24368

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.0	34.4
229	27.1	15.8	23.6#





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.50 ng
RT: 29.39 min Scan# 5247
Delta R.T. 0.01 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:276 Resp: 11631

Ion	Ratio	Lower	Upper
276	100		
138	10.6	4.3	6.5#
277	24.1	9.0	13.4#

Instrument :
BNA_E
ClientSampleId :
RW-12V

Manual Integrations APPROVED
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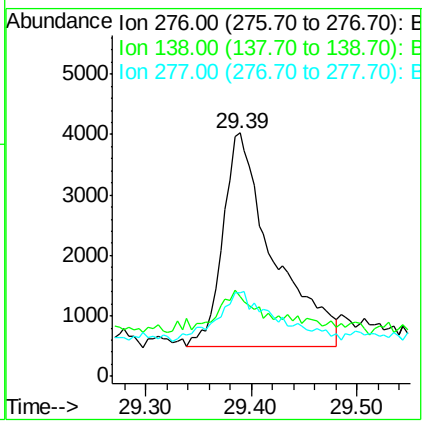
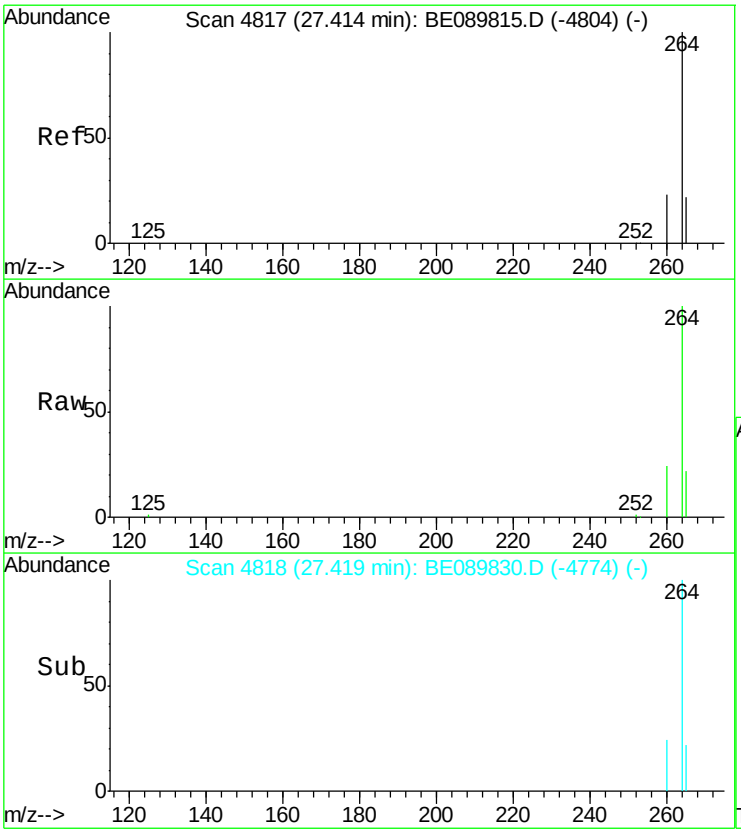
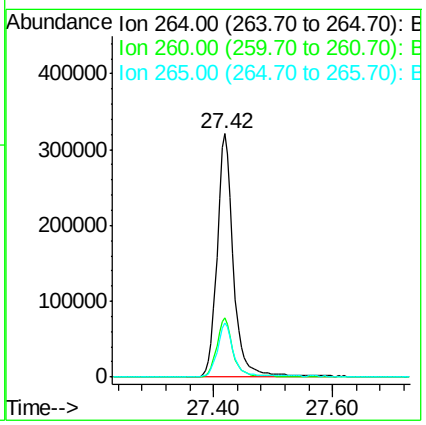


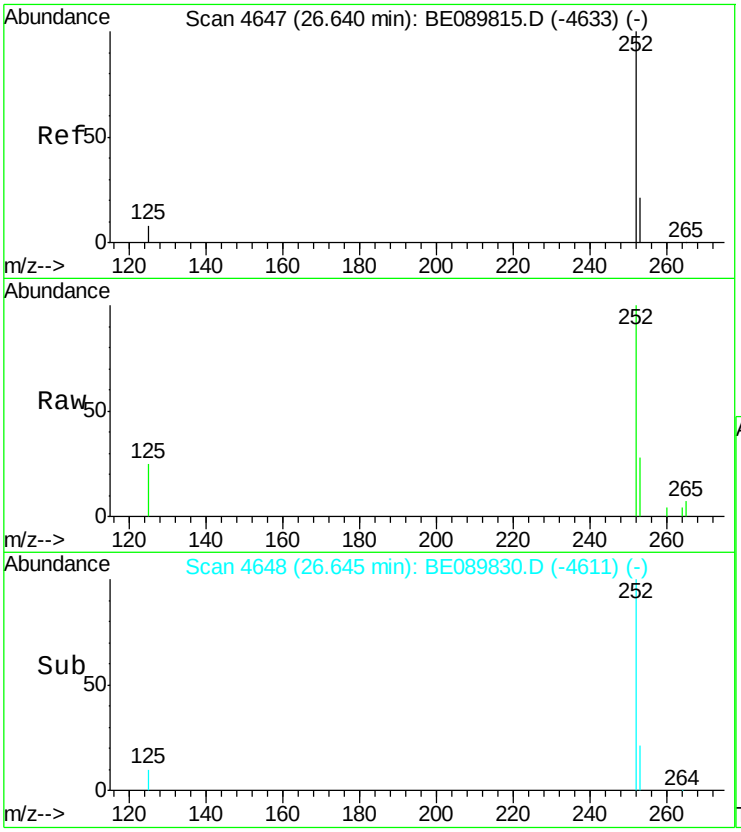


#25
Perylene-d12
Concen: 5.00 ng
RT: 27.42 min Scan# 4818
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:264 Resp: 610363

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	22.1	17.3	25.9





#26
Benzo(b)fluoranthene
Concen: 0.50 ng
RT: 26.64 min Scan# 4648
Delta R.T. 0.01 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:252 Resp: 25830

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.8	26.6#
125	25.5	8.7	13.1#

Instrument :
BNA_E
ClientSampleId :
RW-12V

Manual Integrations APPROVED
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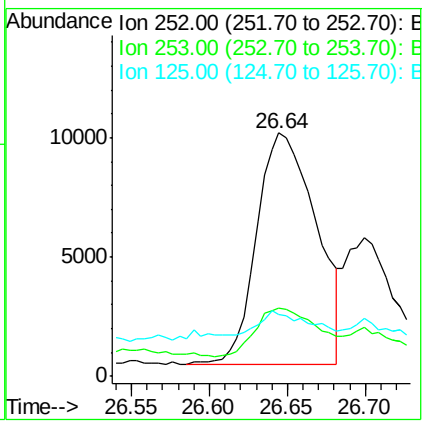
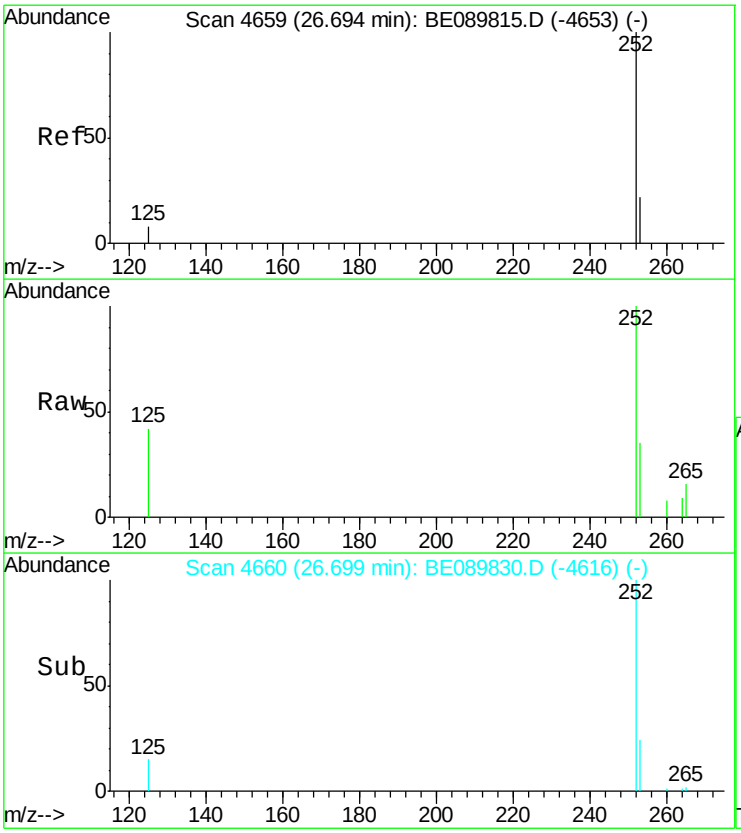
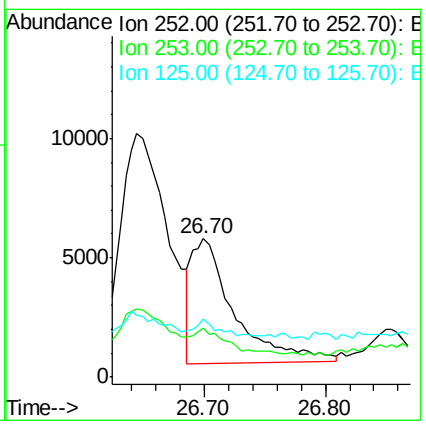


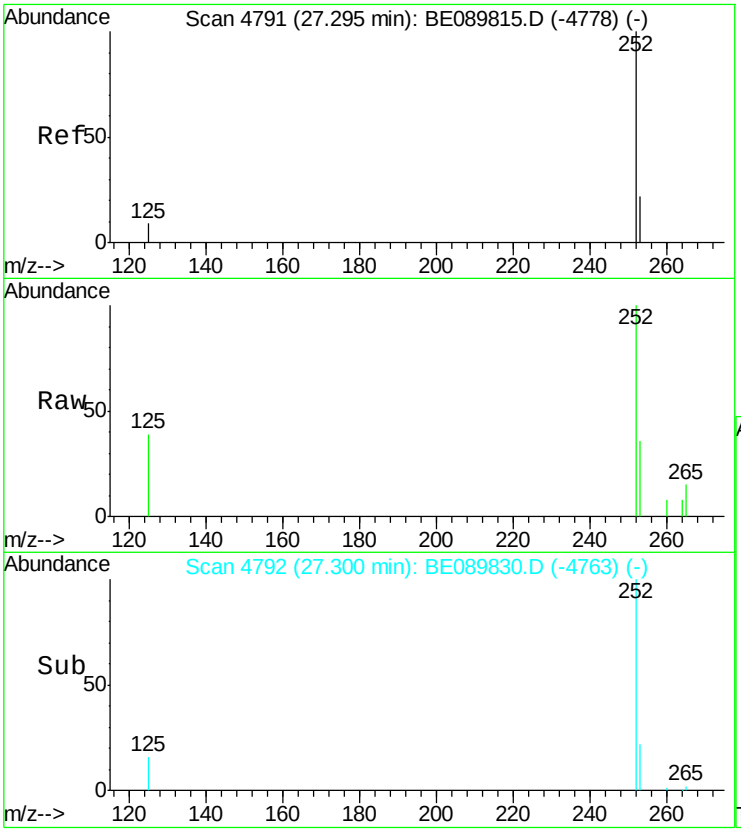


#27
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 26.70 min Scan# 4660
Delta R.T. -0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:252 Resp: 12531

Ion	Ratio	Lower	Upper
252	100		
253	35.1	18.6	28.0#
125	42.1	10.8	16.2#





#28
Benzo(a)pyrene
Concen: 0.40 ng
RT: 27.30 min Scan# 4792
Delta R.T. 0.00 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:252 Resp: 13026

Ion	Ratio	Lower	Upper
252	100		
253	35.6	21.0	31.4#
125	39.5	13.3	19.9#

Instrument :
BNA_E
ClientSampleId :
RW-12V

Manual Integrations APPROVED
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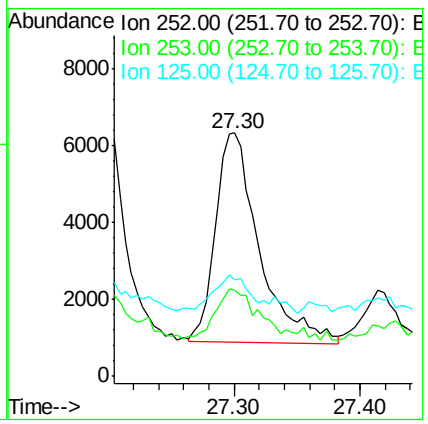

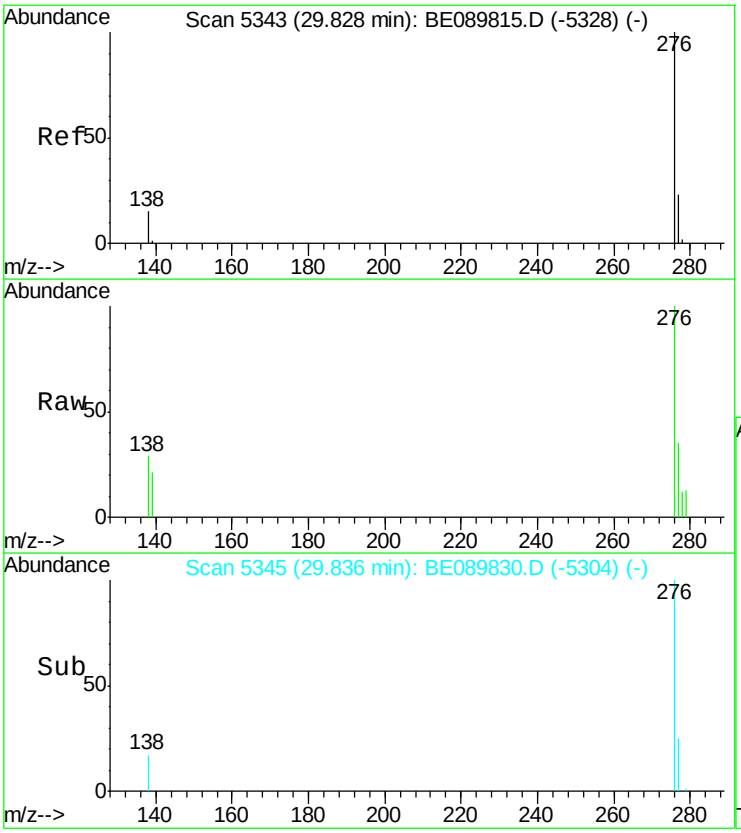

#30
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 29.84 min Scan# 5345
Delta R.T. 0.01 min
Lab File: BE089830.D
Acq: 25 Mar 2015 3:36

Tgt Ion:276 Resp: 15177

Ion	Ratio	Lower	Upper
276	100		
277	35.1	19.2	28.8#
138	28.9	22.9	34.3