Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088155.D
Acq On : 21 Oct 2014 22:28
Operator : TP/JJ
Sample : F4351-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
mohammad
10/22/2014 1:54:03 PM

Quant Time: Oct 22 10:30:40 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	21149	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	90299	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	47900	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	90501	5.00	ng	0.00
16) Chrysene-d12	18.38	240	54947	5.00	ng	0.00
22) Perylene-d12	21.44	264	45208	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	29404	4.52	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	63745	4.82	ng	0.00
18) Terphenyl-d14	16.15	244	68683	7.77	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	10207	0.55	ng	99
6) 2-Methylnaphthalene	9.58	142	10640	0.95	ng	98
9) Acenaphthylene	10.67	152	80264	1.10	ng	100
10) Acenaphthene	10.88	154	12965	1.15	ng	99
11) Fluorene	11.55	166	16365	1.37	ng	100
13) Phenanthrene	13.01	178	107159m	1.45	ng	
14) Anthracene	13.09	178	106064	1.50	ng	100
15) Fluoranthene	15.25	202	26215	1.52	ng	99
17) Pyrene	15.70	202	27148	1.82	ng	99
19) Benzo(a)anthracene	18.36	228	81055	1.66	ng	100
20) Chrysene	18.44	228	80852	1.69	ng	100
21) Indeno(1,2,3-cd)pyrene	23.63	276	78103m	1.47	ng	
23) Benzo(b)fluoranthene	20.68	252	17185	1.60	ng	97
24) Benzo(k)fluoranthene	20.74	252	19382	1.68	ng	98
25) Benzo(a)pyrene	21.32	252	15856	1.60	ng	97
26) Dibenzo(a,h)anthracene	23.73	278	14884	1.53	ng	99
27) Benzo(g,h,i)perylene	24.26	276	67824	1.58	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088155.D
Acq On : 21 Oct 2014 22:28
Operator : TP/JJ
Sample : F4351-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
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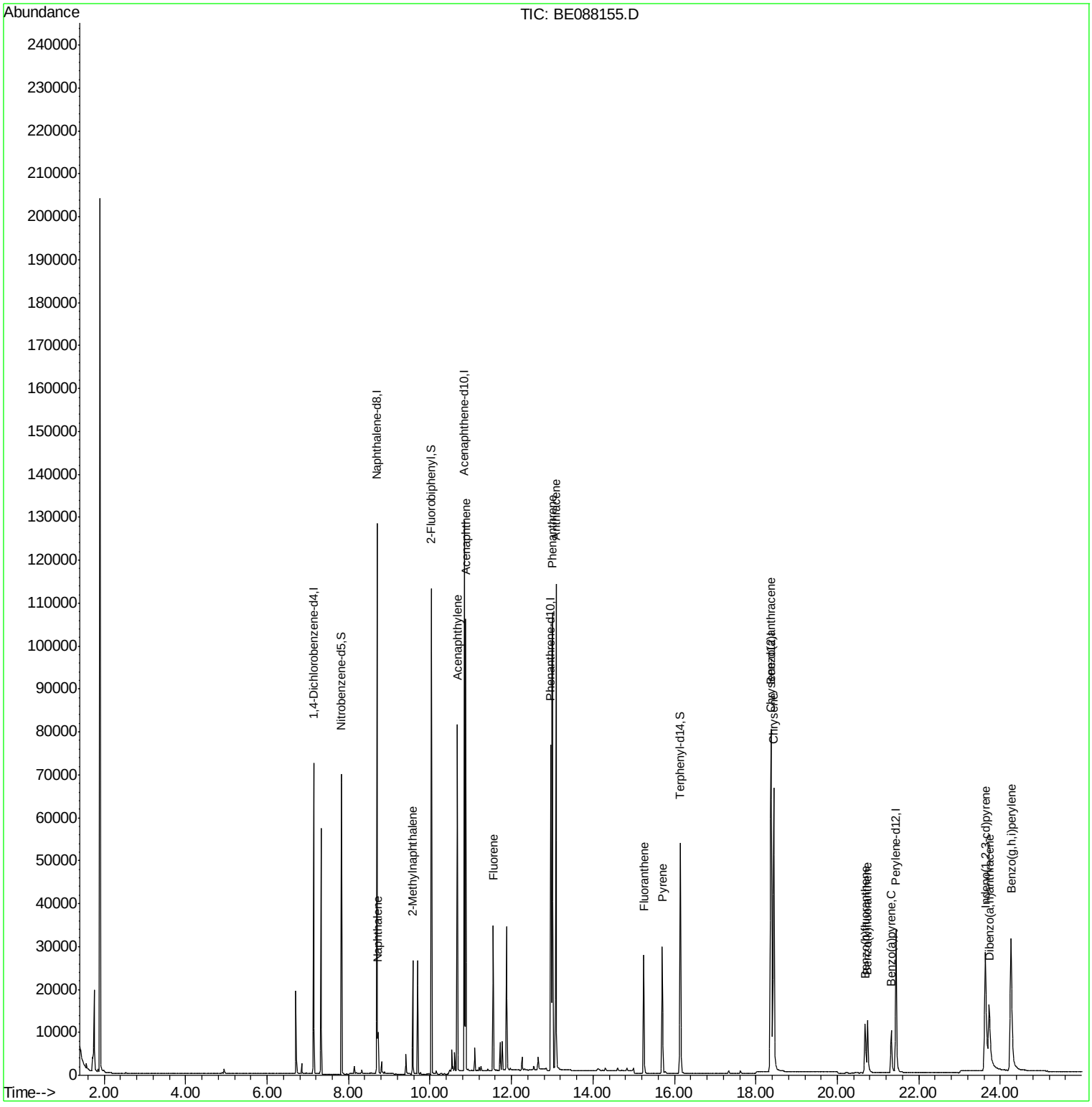
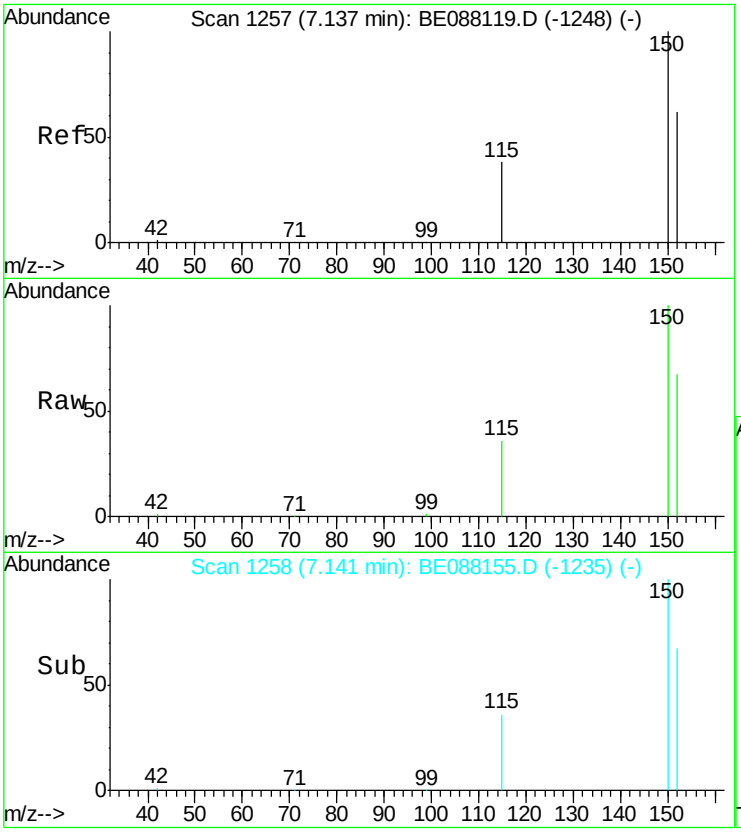
10/22/2014 1:54:03 PM

Quant Time: Oct 22 10:30:40 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration

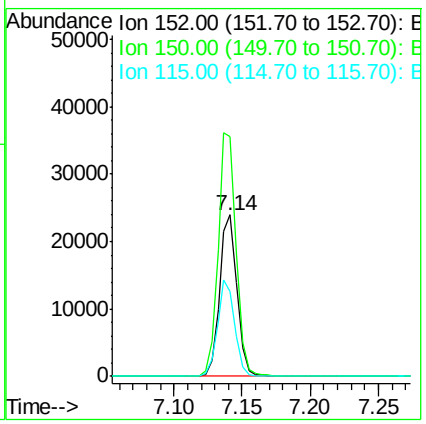




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:152 Resp: 21149

Ion	Ratio	Lower	Upper
152	100		
150	148.5	129.2	193.8
115	53.1	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

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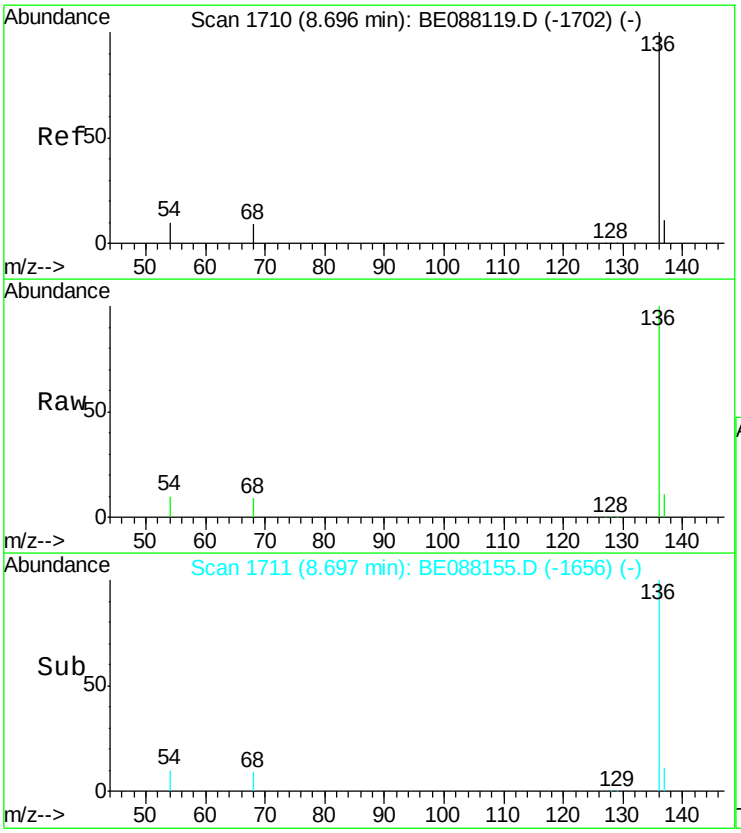
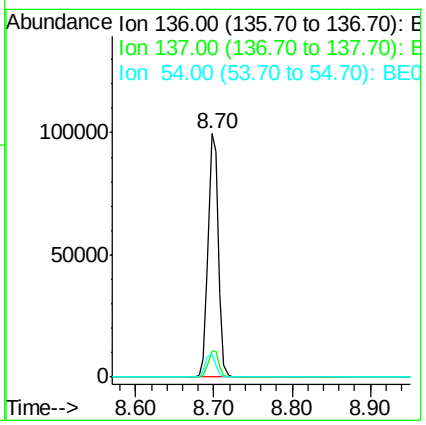
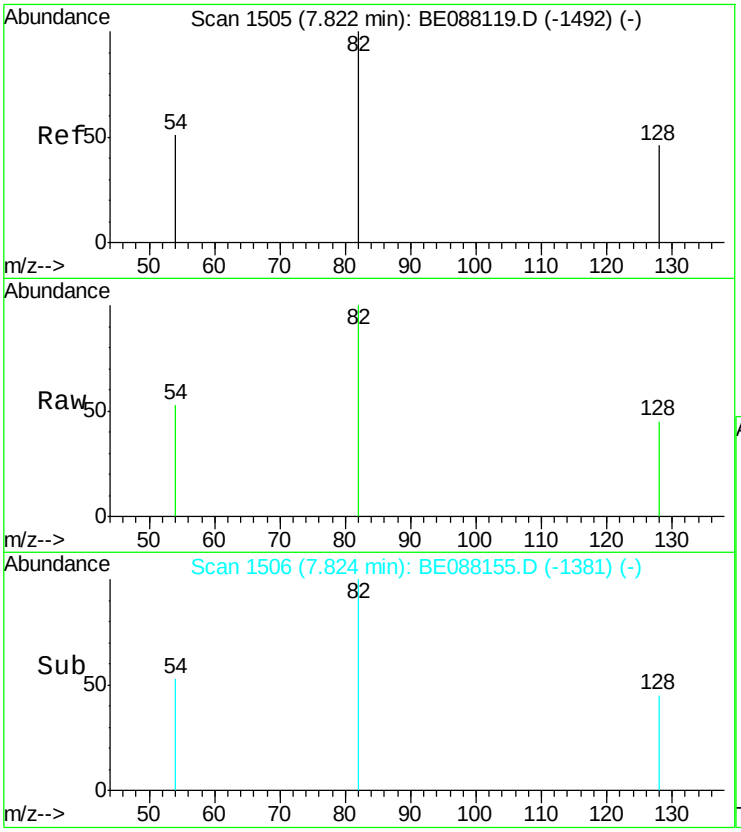


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:136 Resp: 90299

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	9.6	7.7	11.5

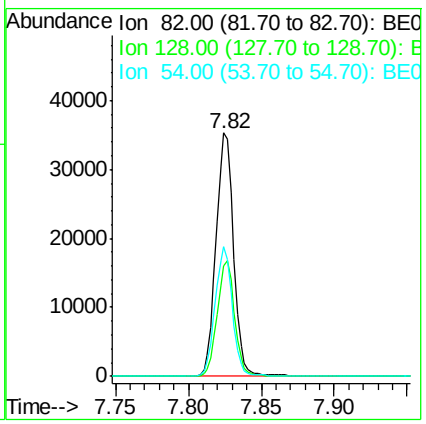




#4
Nitrobenzene-d5
Concen: 4.52 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion: 82 Resp: 29404

Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.1	55.7
54	53.1	41.1	61.7



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

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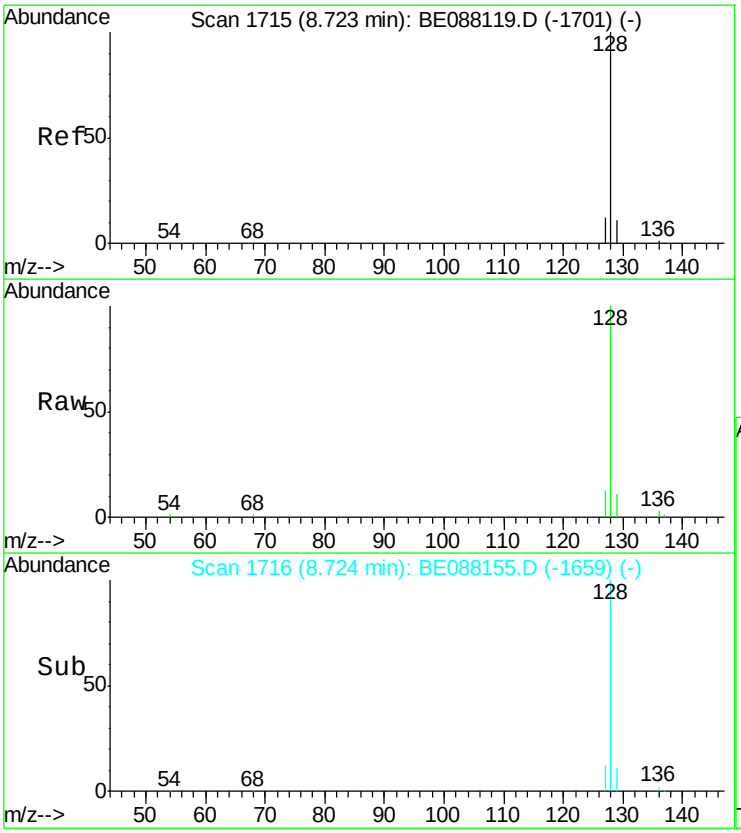
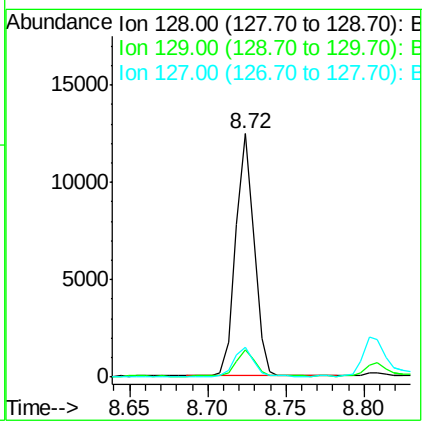
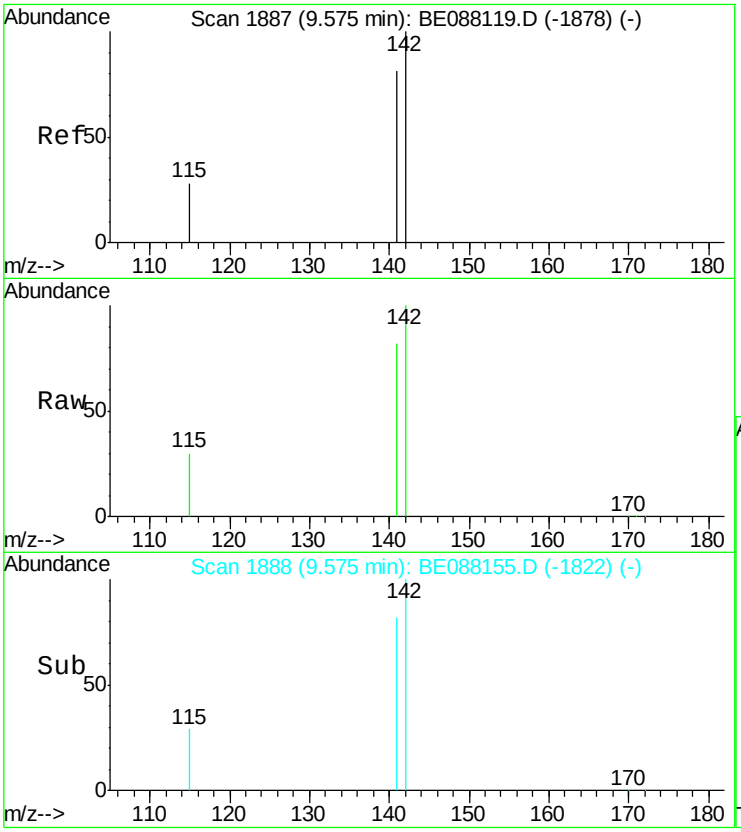


#5
Naphthalene
Concen: 0.55 ng
RT: 8.72 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:128 Resp: 10207

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.5	9.7	14.5

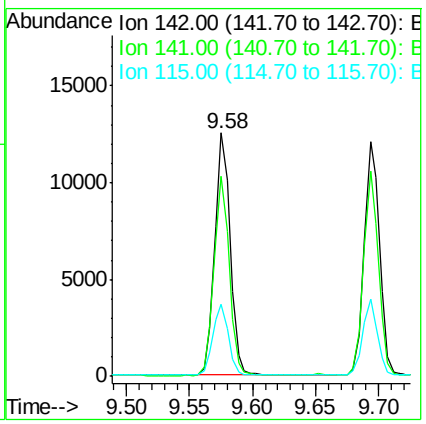




#6
2-Methylnaphthalene
Concen: 0.95 ng
RT: 9.58 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:142 Resp: 10640

Ion	Ratio	Lower	Upper
142	100		
141	82.0	64.6	97.0
115	29.8	22.6	34.0



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
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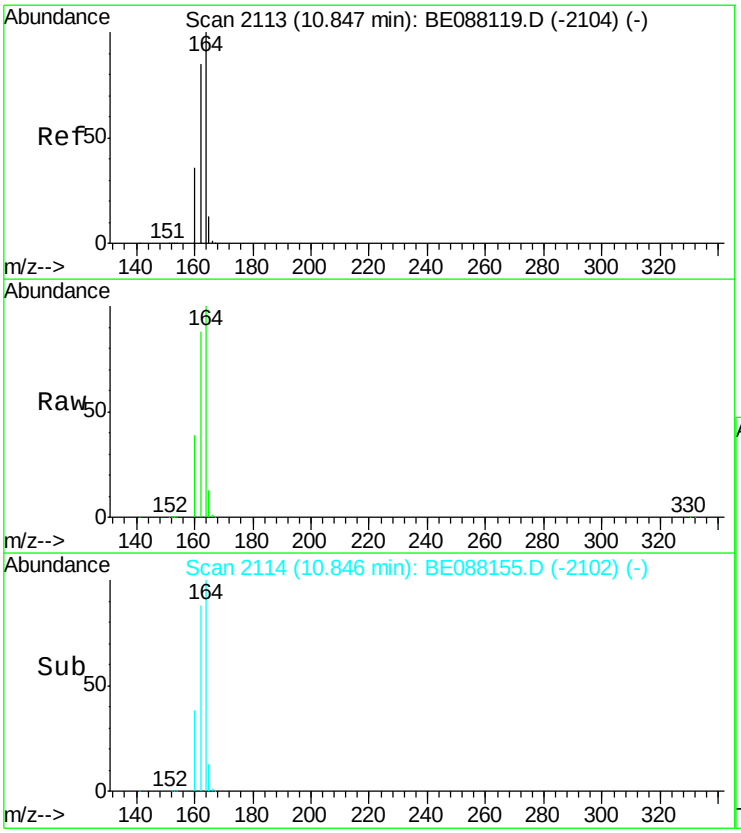
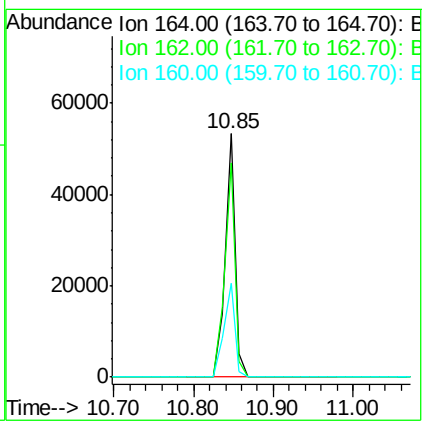
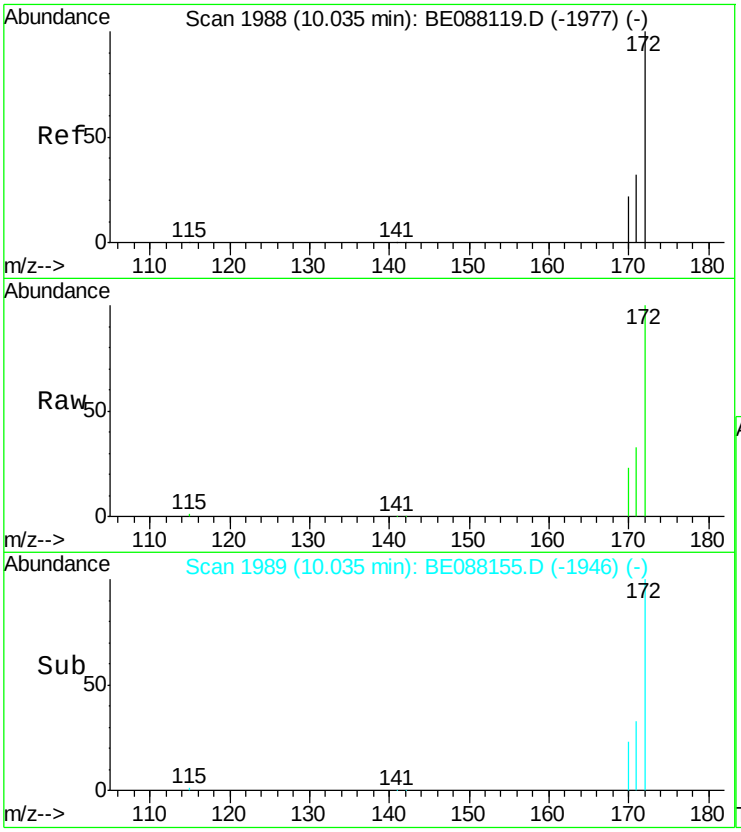


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:164 Resp: 47900

Ion	Ratio	Lower	Upper
164	100		
162	87.9	68.3	102.5
160	38.5	28.7	43.1

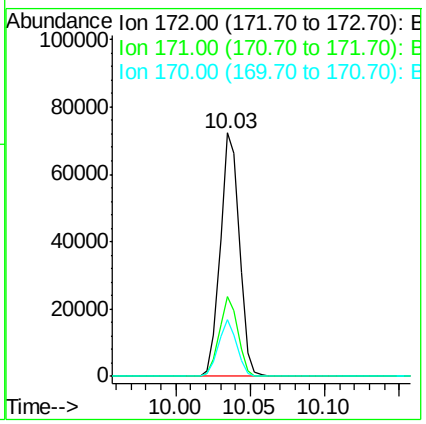




#8
2-Fluorobiphenyl
Concen: 4.82 ng
RT: 10.03 min Scan# 1989
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:172 Resp: 63745

Ion	Ratio	Lower	Upper
172	100		
171	33.0	25.4	38.2
170	23.1	17.4	26.2



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
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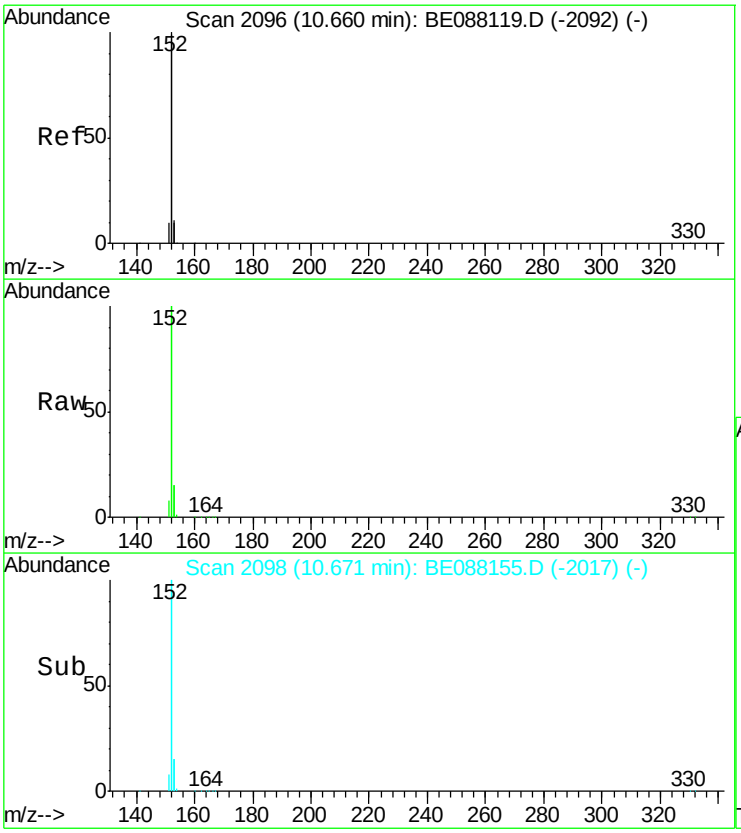
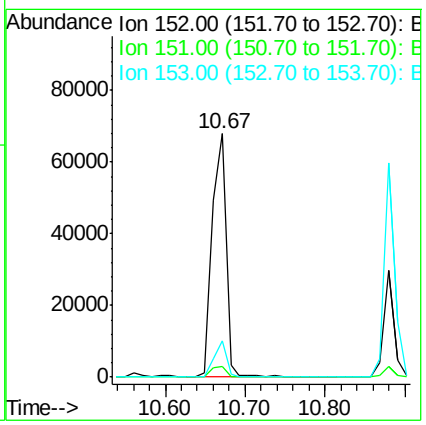
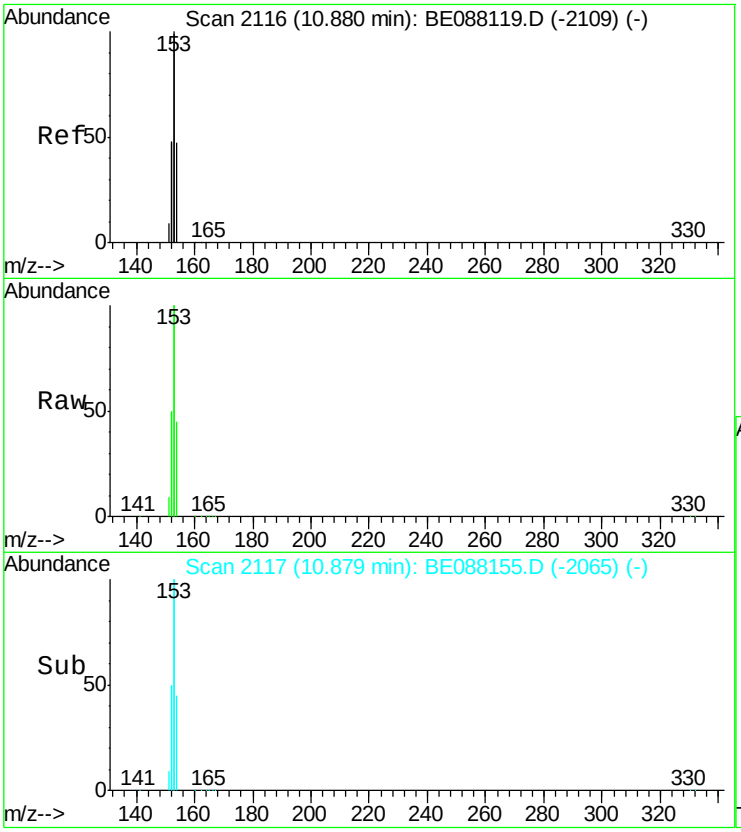


#9
Acenaphthylene
Concen: 1.10 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:152 Resp: 80264

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.7	5.5
153	13.0	10.4	15.6

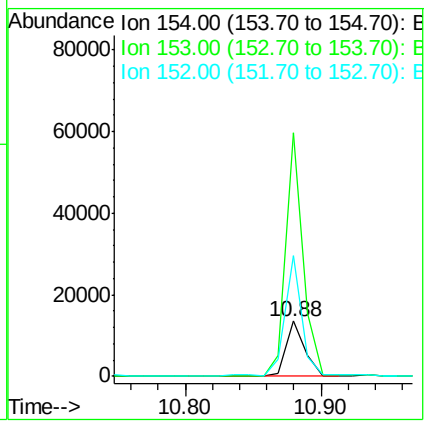




#10
Acenaphthene
Concen: 1.15 ng
RT: 10.88 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:154 Resp: 12965

Ion	Ratio	Lower	Upper
154	100		
153	406.5	327.8	491.6
152	194.4	157.6	236.4



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
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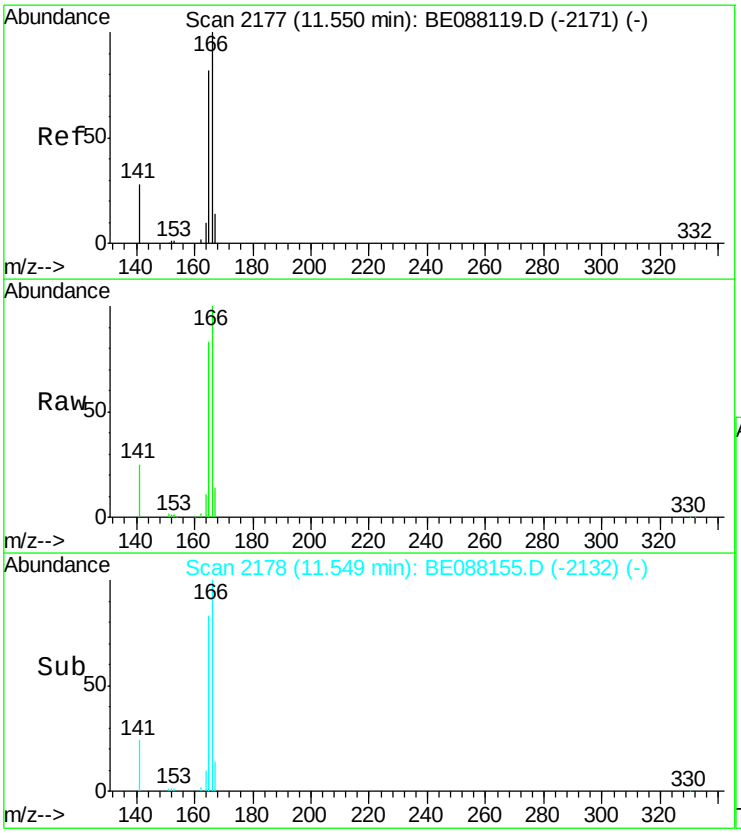
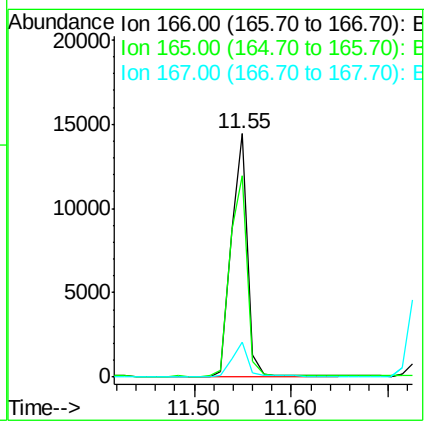
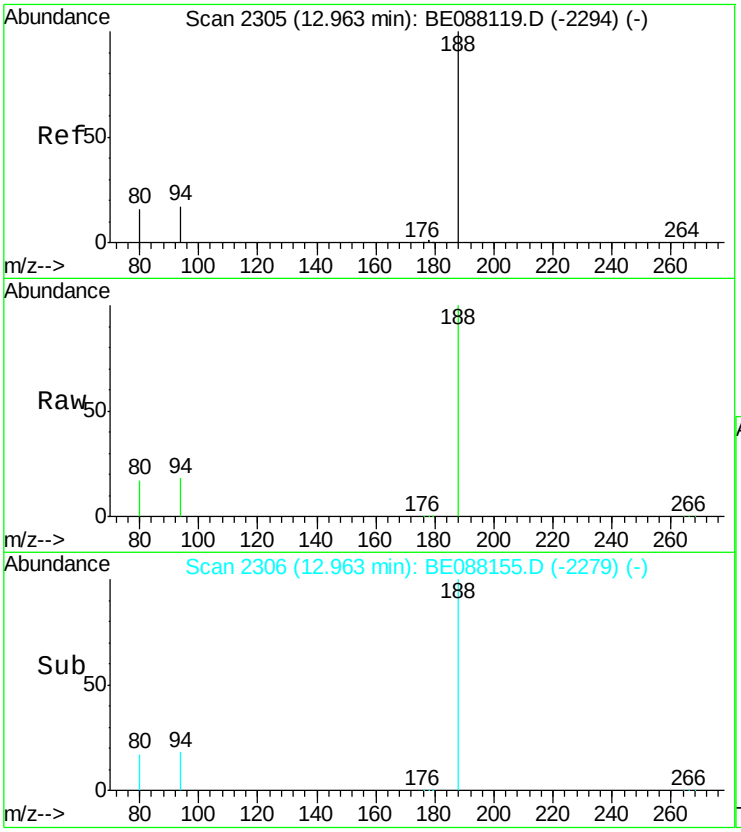


#11
Fluorene
Concen: 1.37 ng
RT: 11.55 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:166 Resp: 16365

Ion	Ratio	Lower	Upper
166	100		
165	89.0	71.4	107.2
167	14.0	10.6	16.0

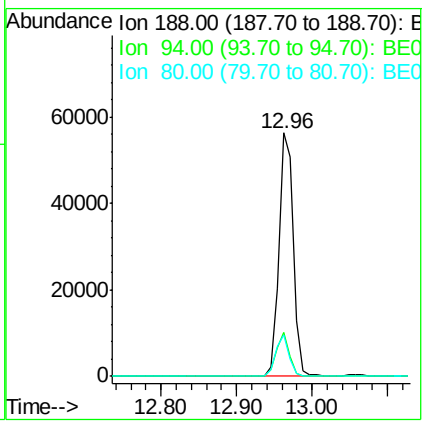




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:188 Resp: 90501

Ion	Ratio	Lower	Upper
188	100		
94	18.1	13.9	20.9
80	16.8	12.9	19.3



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

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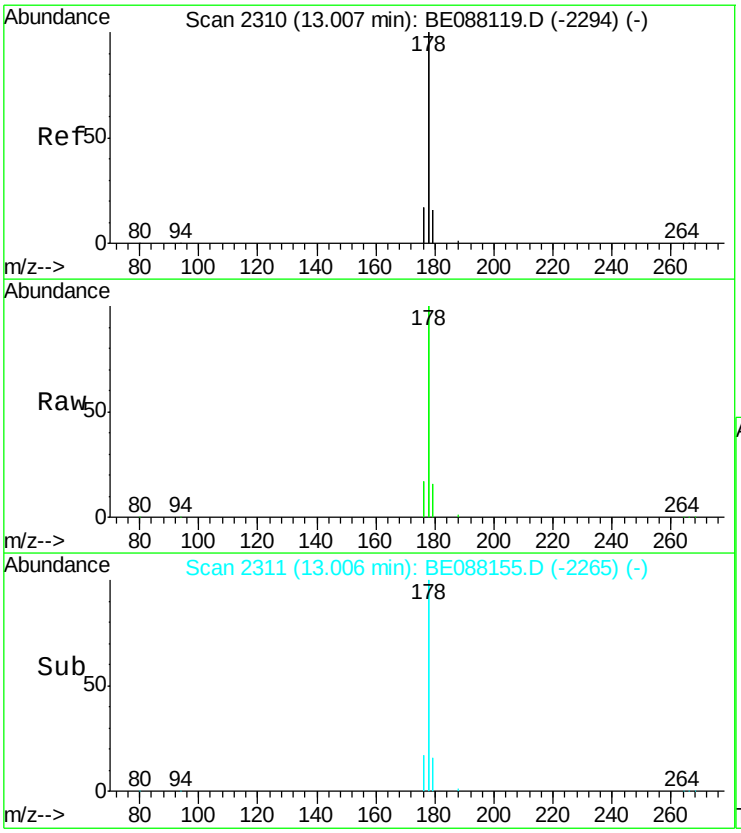
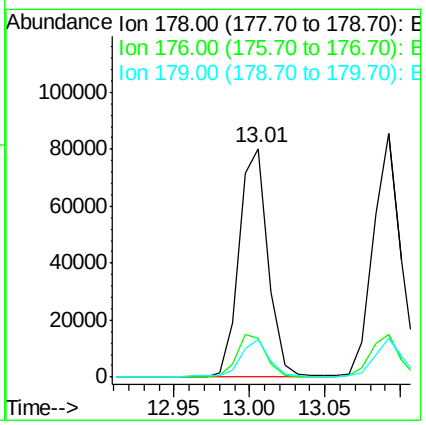
10/22/2014 1:54:03 PM

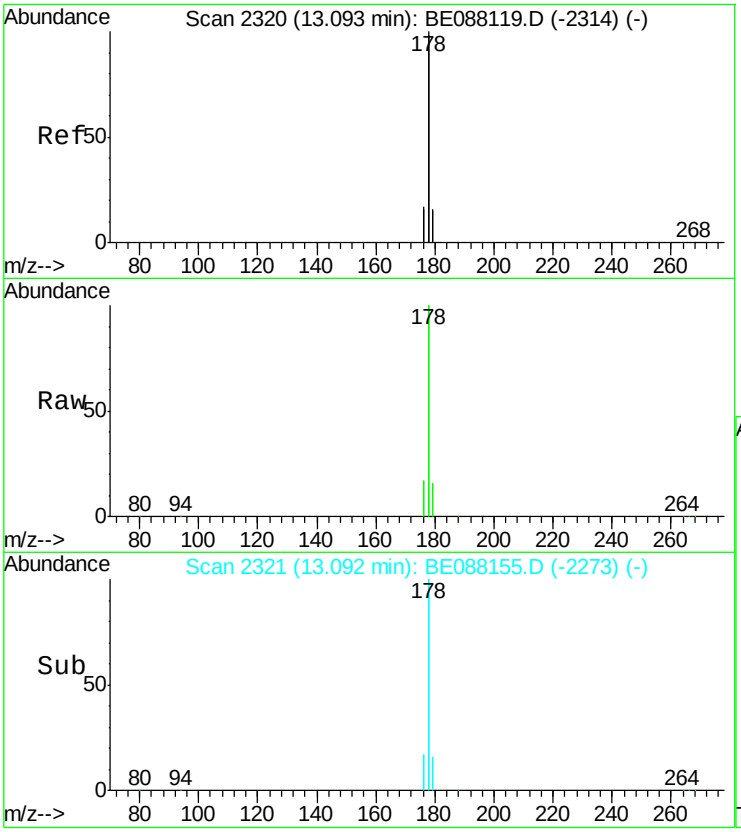


#13
Phenanthrene
Concen: 1.45 ng m
RT: 13.01 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:178 Resp: 107159

Ion	Ratio	Lower	Upper
178	100		
176	17.9	12.5	18.7
179	15.6	13.5	20.3

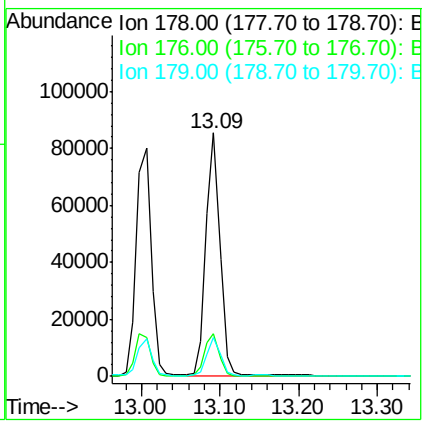




#14
Anthracene
Concen: 1.50 ng
RT: 13.09 min Scan# 2321
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:178 Resp: 106064

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.7	12.5	18.7



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
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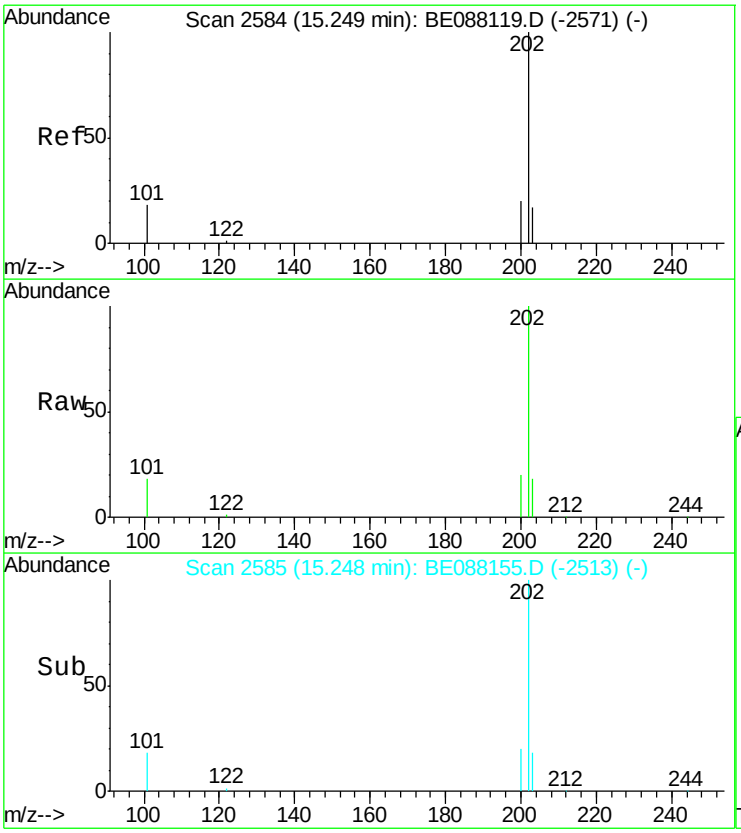
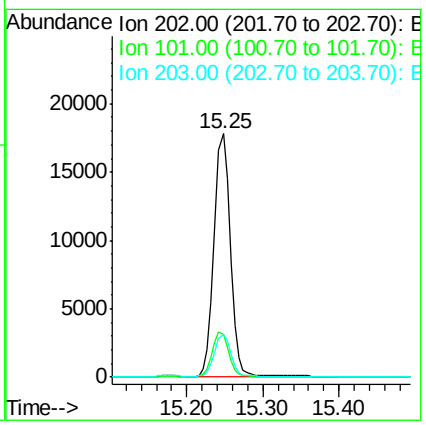
10/22/2014 1:54:03 PM

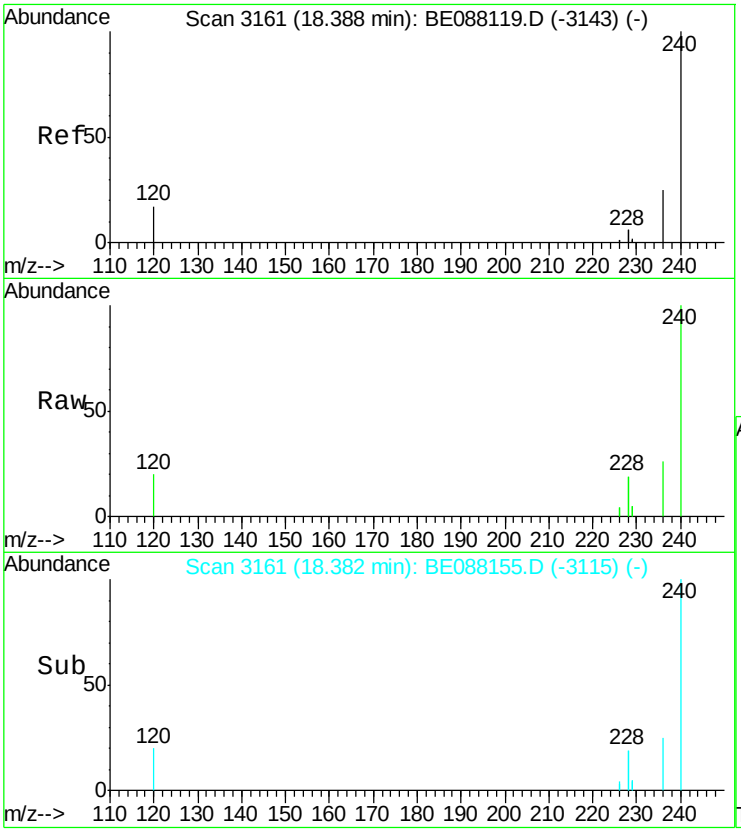


#15
Fluoranthene
Concen: 1.52 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:202 Resp: 26215

Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.2	13.5	20.3





#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:240 Resp: 54947

Ion	Ratio	Lower	Upper
240	100		
120	20.4	13.9	20.9
236	25.5	19.9	29.9

Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
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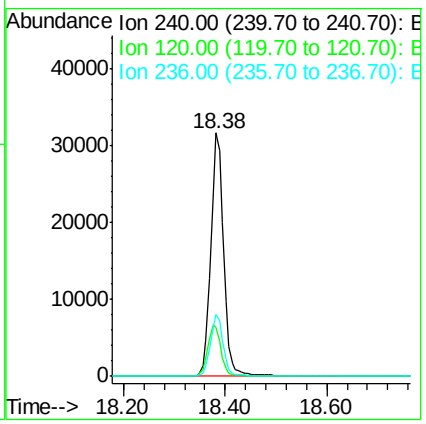
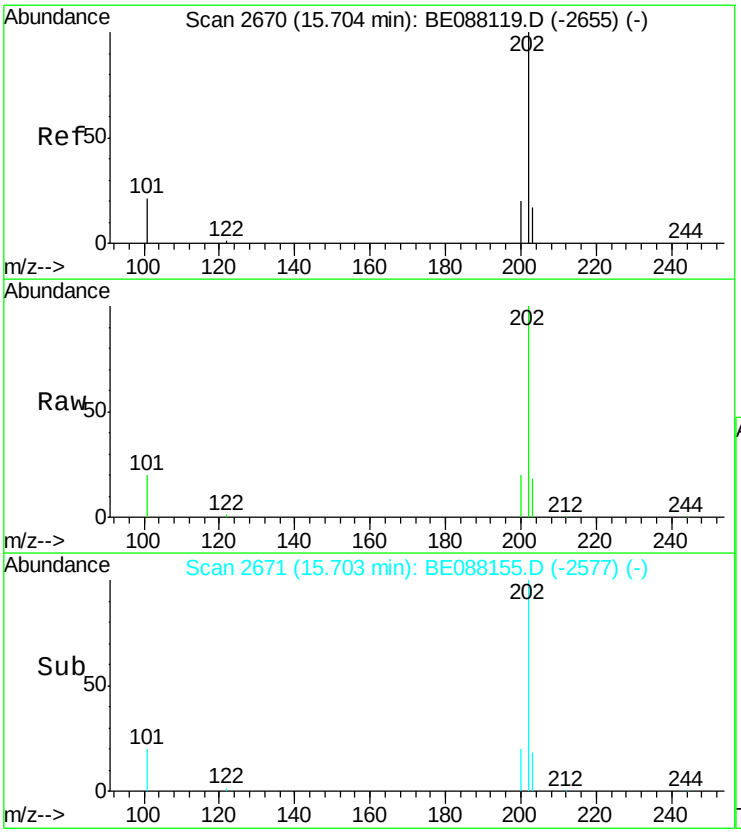
10/22/2014 1:54:03 PM

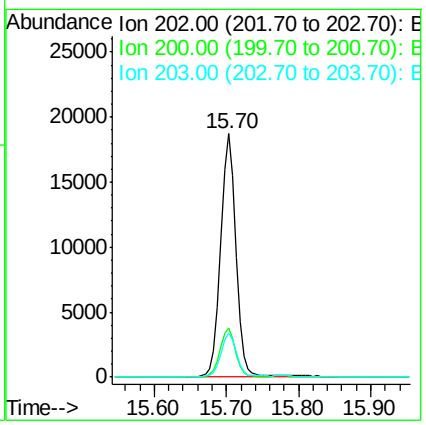


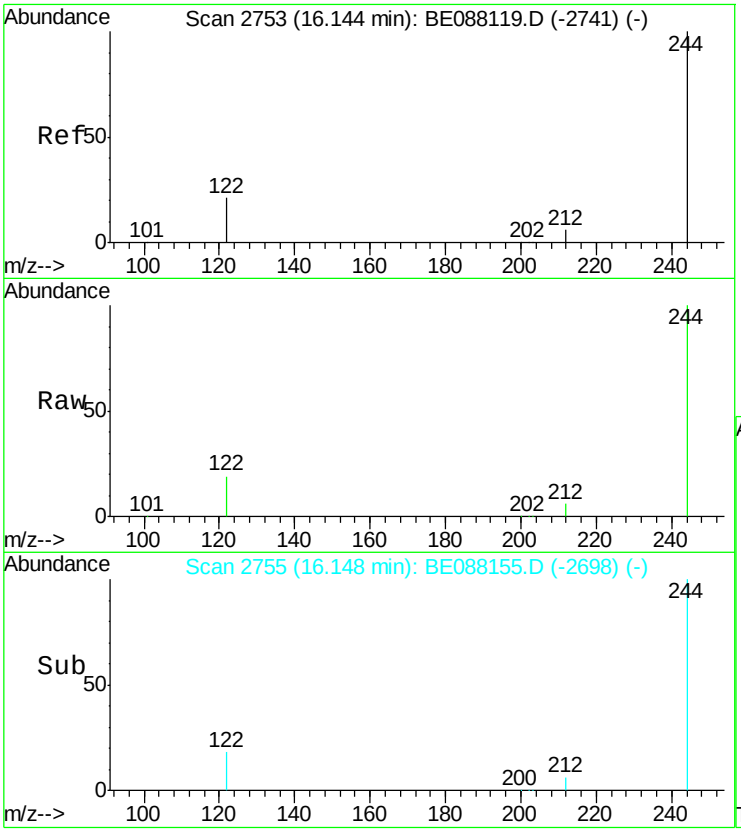


#17
Pyrene
Concen: 1.82 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:202 Resp: 27148

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.9	13.9	20.9

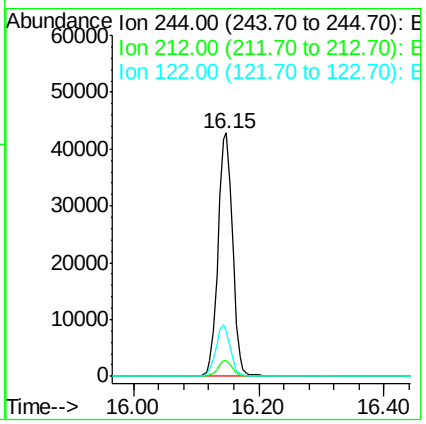




#18
Terphenyl-d14
Concen: 7.77 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:244 Resp: 68683

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	18.6	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

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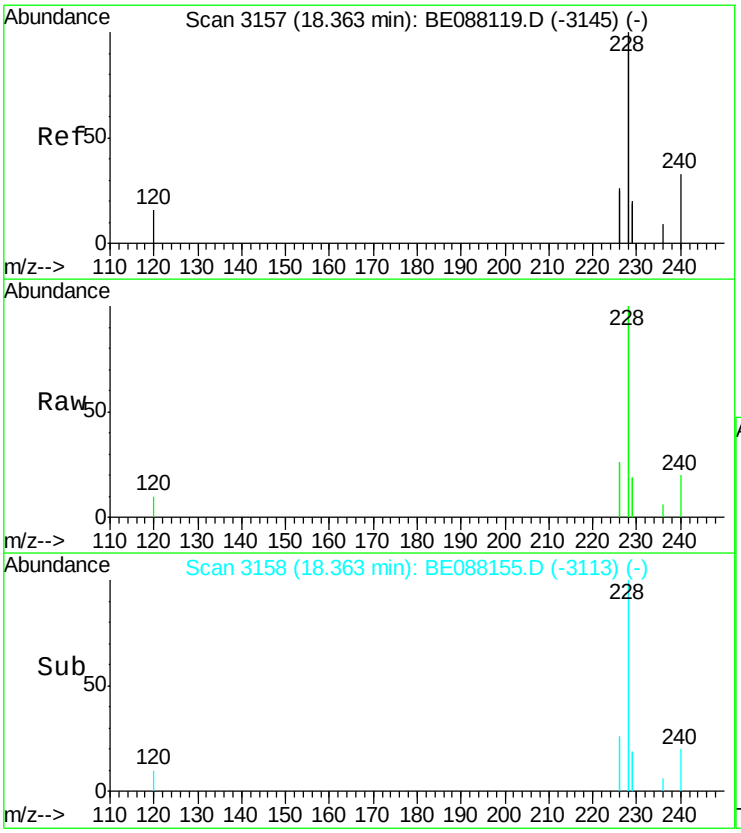
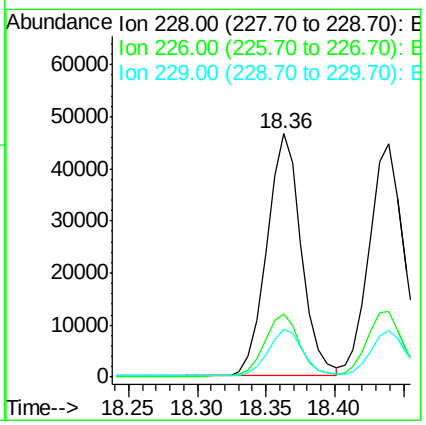
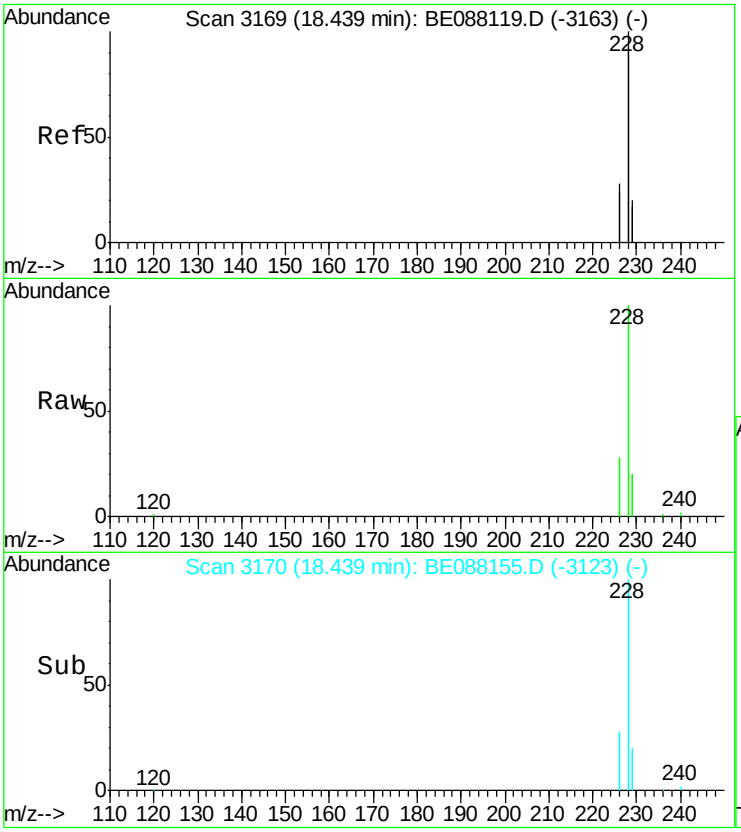


#19
Benzo(a)anthracene
Concen: 1.66 ng
RT: 18.36 min Scan# 3158
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:228 Resp: 81055

Ion	Ratio	Lower	Upper
228	100		
226	25.9	20.8	31.2
229	19.5	15.6	23.4





#20
Chrysene
Concen: 1.69 ng
RT: 18.44 min Scan# 3170
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:228 Resp: 80852

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	19.8	15.8	23.6

Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

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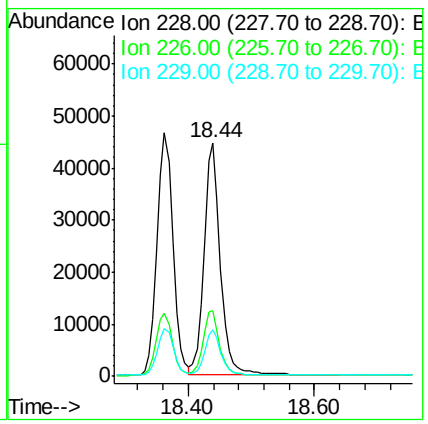
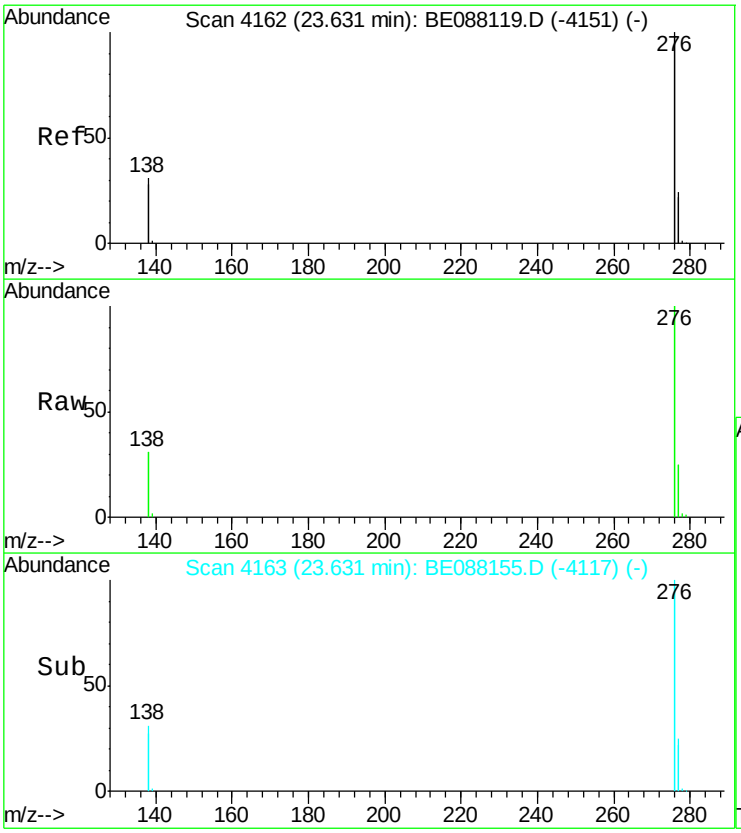
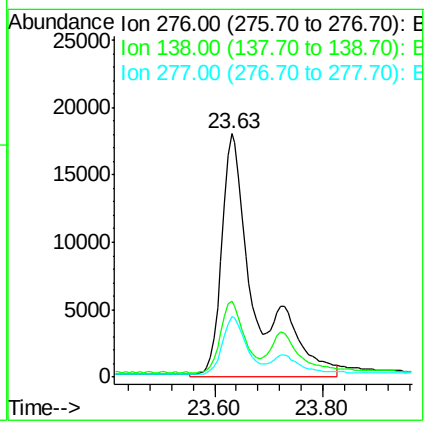


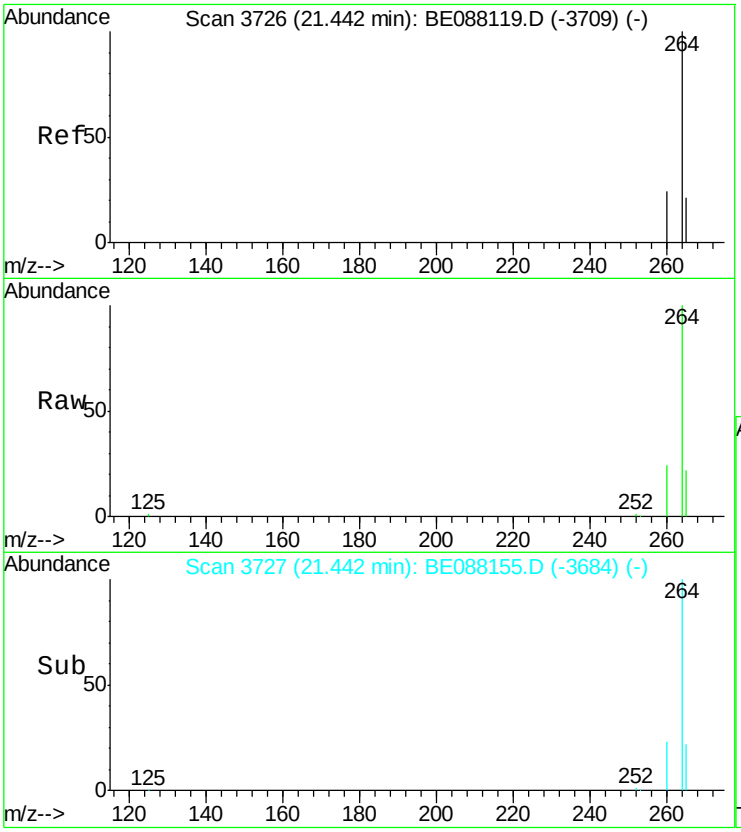


#21
Indeno(1,2,3-cd)pyrene
Concen: 1.47 ng m
RT: 23.63 min Scan# 4163
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:276 Resp: 78103

Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.5	27.7
277	16.6	14.6	21.8

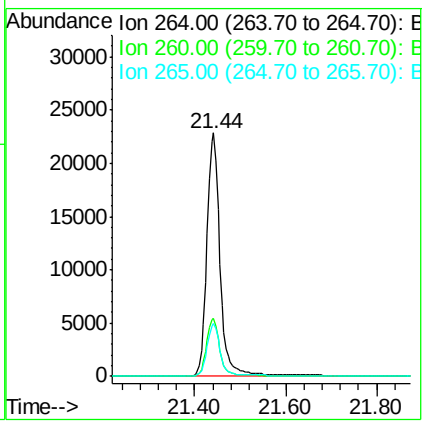




#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:264 Resp: 45208

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.8	17.2	25.8



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

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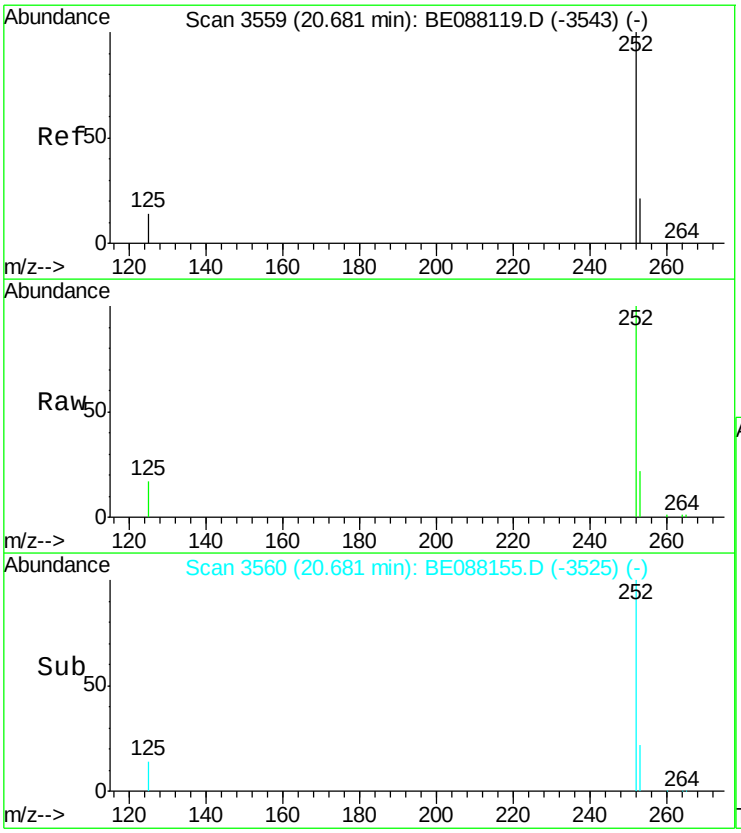
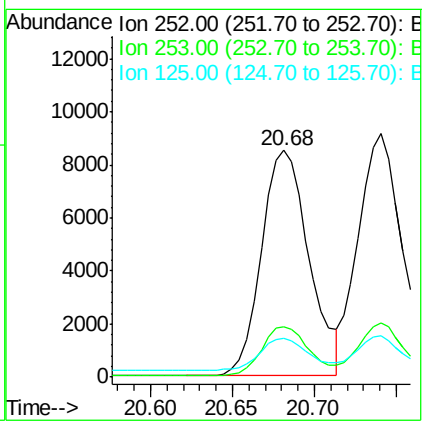
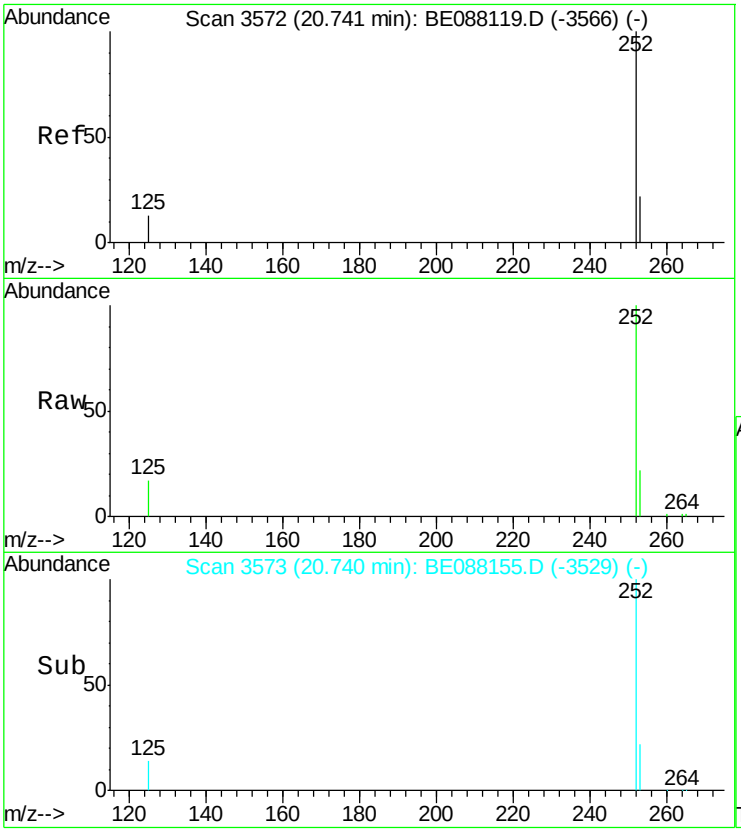


#23
Benzo(b)fluoranthene
Concen: 1.60 ng
RT: 20.68 min Scan# 3560
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:252 Resp: 17185

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	17.1	11.8	17.8

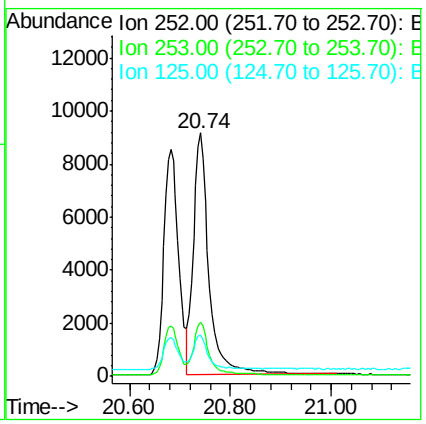




#24
Benzo(k)fluoranthene
Concen: 1.68 ng
RT: 20.74 min Scan# 3573
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:252 Resp: 19382

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	16.8	11.5	17.3



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

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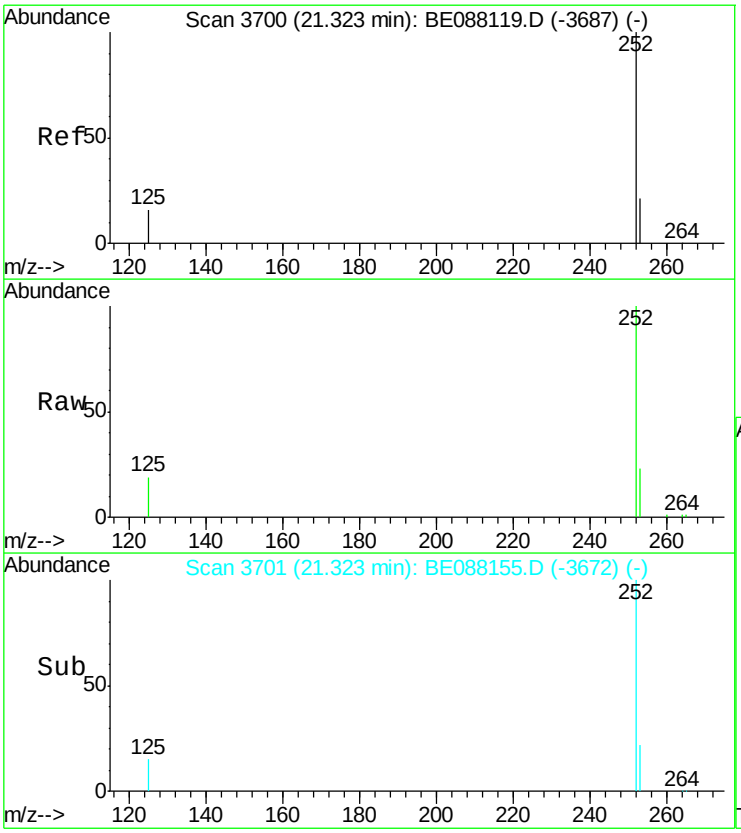
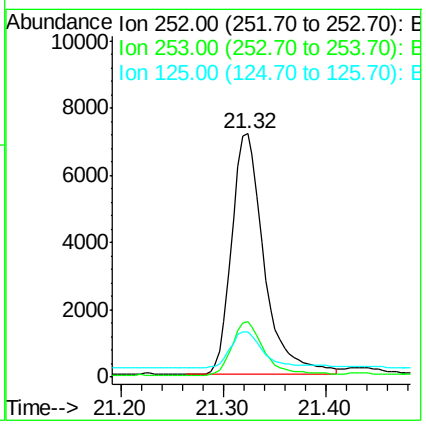
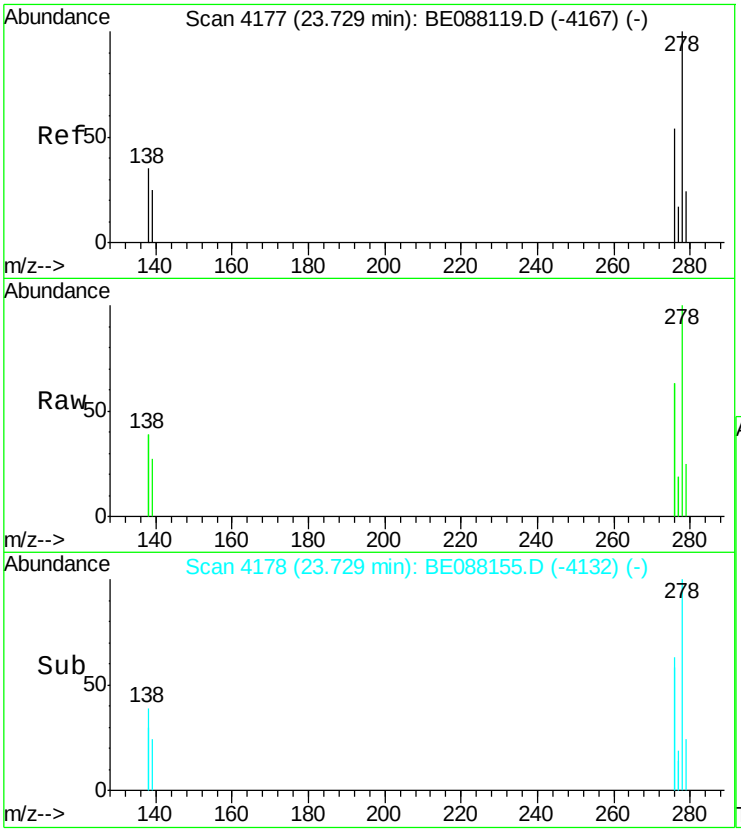


#25
Benzo(a)pyrene
Concen: 1.60 ng
RT: 21.32 min Scan# 3701
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:252 Resp: 15856

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	18.6	13.0	19.6

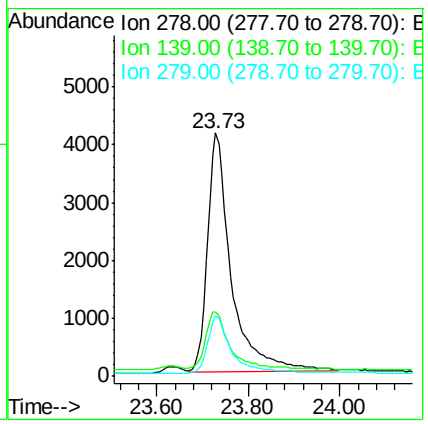




#26
Dibenzo(a,h)anthracene
Concen: 1.53 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:278 Resp: 14884

Ion	Ratio	Lower	Upper
278	100		
139	26.7	20.9	31.3
279	24.8	19.8	29.8



Instrument :
BNA_E
ClientSampleId :
YS19-SW13-1014

Manual Integrations APPROVED
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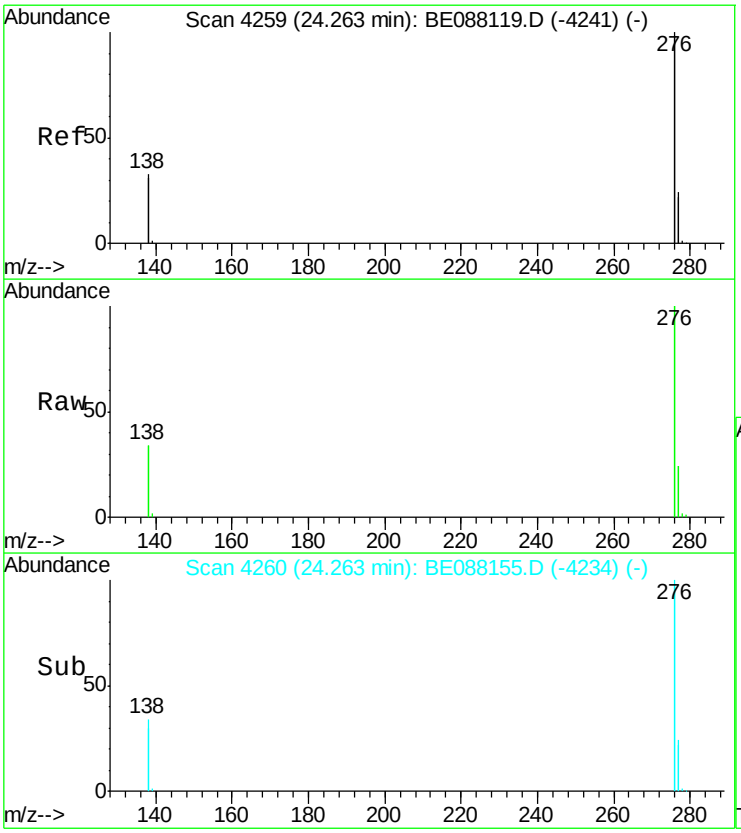

#27
Benzo(g,h,i)perylene
Concen: 1.58 ng
RT: 24.26 min Scan# 4260
Delta R.T. -0.00 min
Lab File: BE088155.D
Acq: 21 Oct 2014 22:28

Tgt Ion:276 Resp: 67824

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	33.8	26.6	40.0