Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088430.D
Acq On : 31 Oct 2014 19:15
Operator : TP/JJ
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE103114

Manual Integrations APPROVED
mohammad
11/4/2014 9:06:07 AM

Quant Time: Oct 31 23:46:41 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	37636	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	144326	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	67650	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	126435	5.00	ng	0.00
16) Chrysene-d12	18.31	240	62640	5.00	ng	0.00
22) Perylene-d12	21.37	264	54317	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	11031	1.04	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	19836	1.04	ng	0.00
18) Terphenyl-d14	16.07	244	11960	1.04	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	5072	1.03	ng	98
5) Naphthalene	8.67	128	31128	1.04	ng	100
6) 2-Methylnaphthalene	9.53	142	19459	1.05	ng	94
9) Acenaphthylene	10.62	152	113041	1.03	ng	99
10) Acenaphthene	10.83	154	16606	1.02	ng	99
11) Fluorene	11.49	166	18149	1.05	ng	100
13) Phenanthrene	12.94	178	134122	1.17	ng	100
14) Anthracene	13.02	178	98589	1.06	ng	99
15) Fluoranthene	15.18	202	20164	1.08	ng	99
17) Pyrene	15.63	202	21242	1.04	ng	100
19) Benzo(a)anthracene	18.29	228	59486	1.01	ng	98
20) Chrysene	18.36	228	59639	1.03	ng	100
21) Indeno(1,2,3-cd)pyrene	23.54	276	53960m	1.00	ng	
23) Benzo(b)fluoranthene	20.61	252	12228	1.03	ng	100
24) Benzo(k)fluoranthene	20.67	252	13821	1.05	ng	99
25) Benzo(a)pyrene	21.26	252	11665	1.02	ng	99
26) Dibenzo(a,h)anthracene	23.64	278	10636	1.00	ng	99
27) Benzo(g,h,i)perylene	24.16	276	49623	1.02	ng	99

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

Quantitation Report (QT Reviewed)

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Acq On : 31 Oct 2014 19:15
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Misc :
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ClientSampleId :
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Manual Integrations APPROVED
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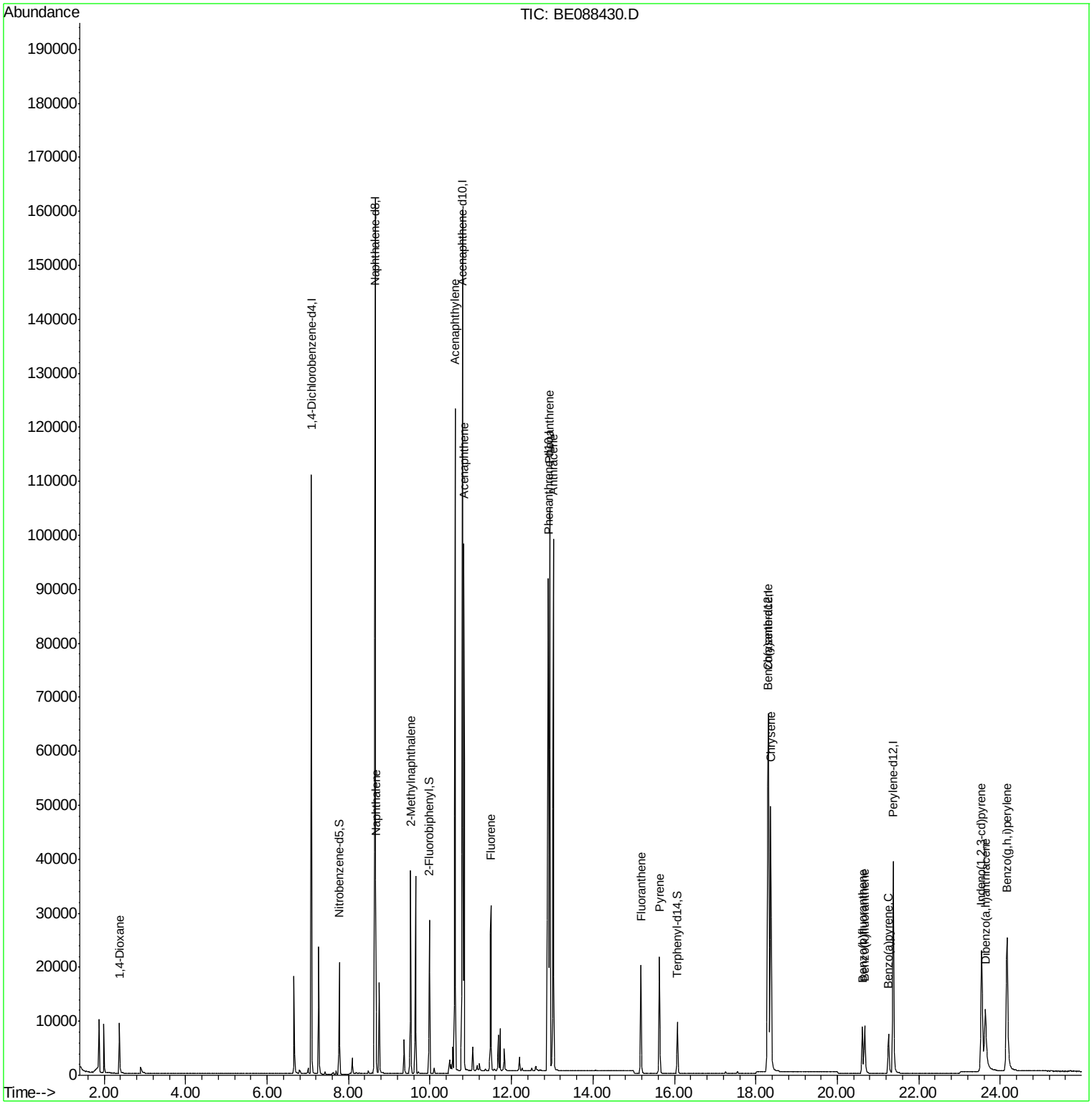
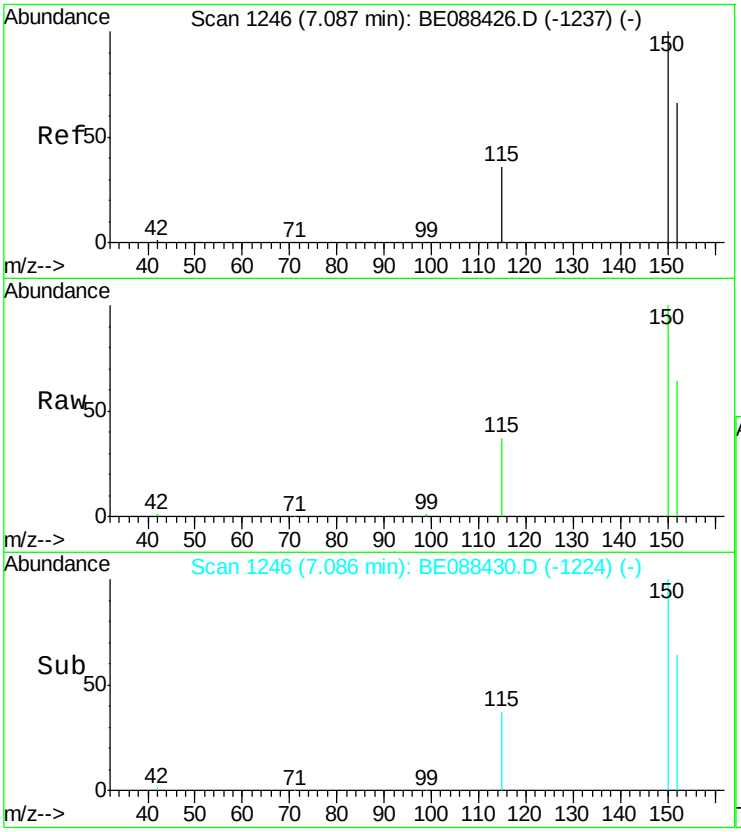
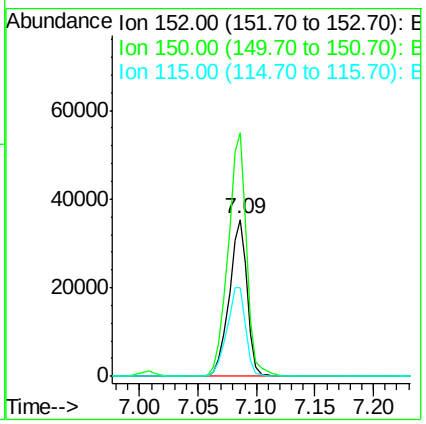




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:152 Resp: 37636

Ion	Ratio	Lower	Upper
152	100		
150	155.1	121.8	182.8
115	56.9	43.9	65.9



Instrument :
BNA_E
ClientSampleId :
ICVBE103114

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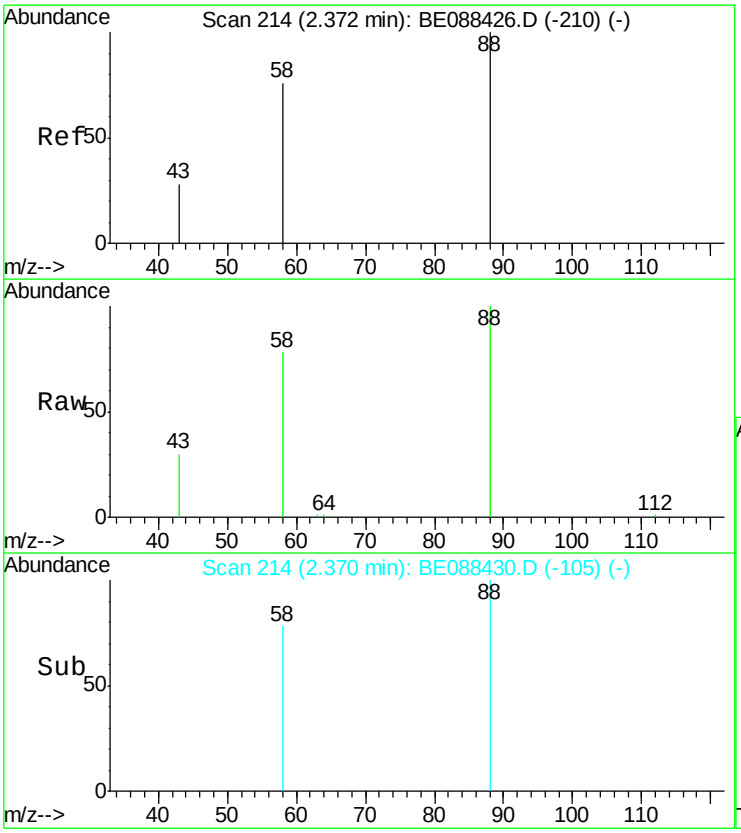
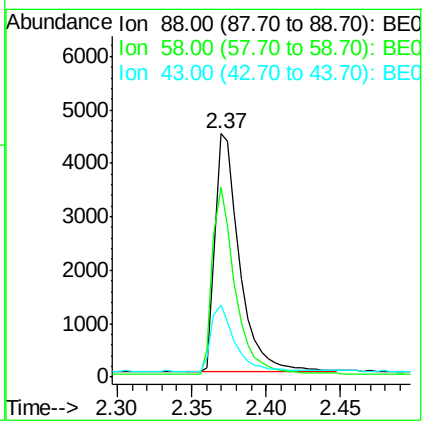
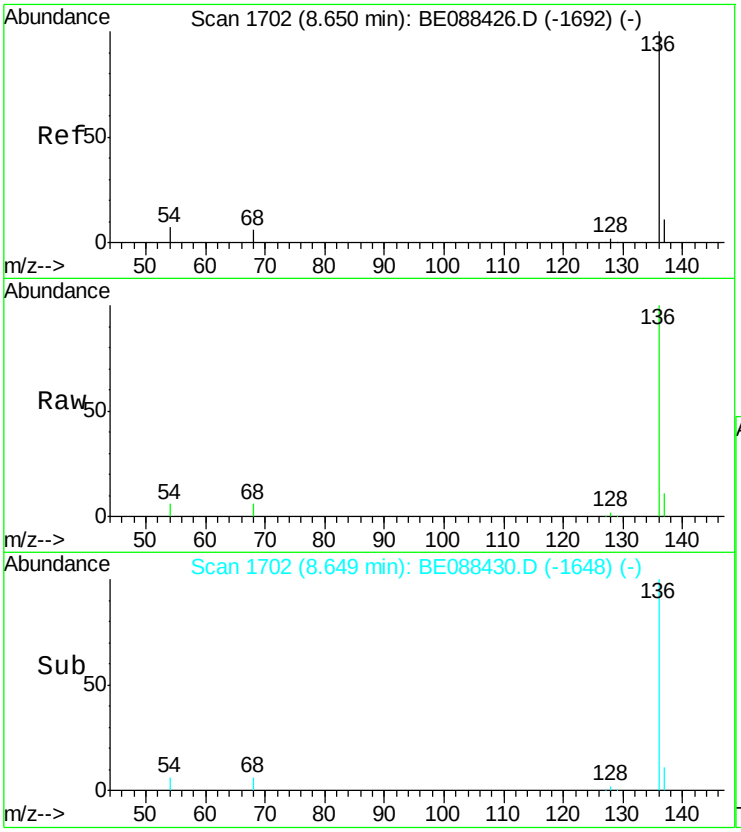


#2
1,4-Dioxane
Concen: 1.03 ng
RT: 2.37 min Scan# 214
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion: 88 Resp: 5072

Ion	Ratio	Lower	Upper
88	100		
58	75.2	59.1	88.7
43	26.7	21.9	32.9

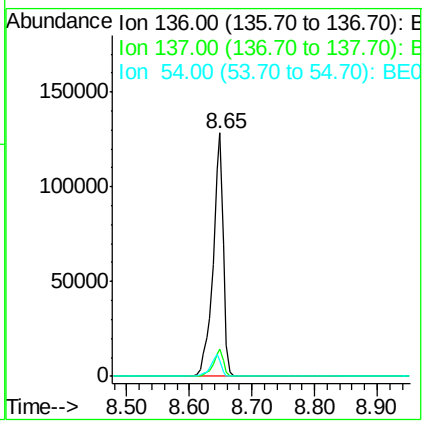




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:136 Resp: 144326

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.3	5.3	7.9



Instrument :
BNA_E
ClientSampleId :
ICVBE103114

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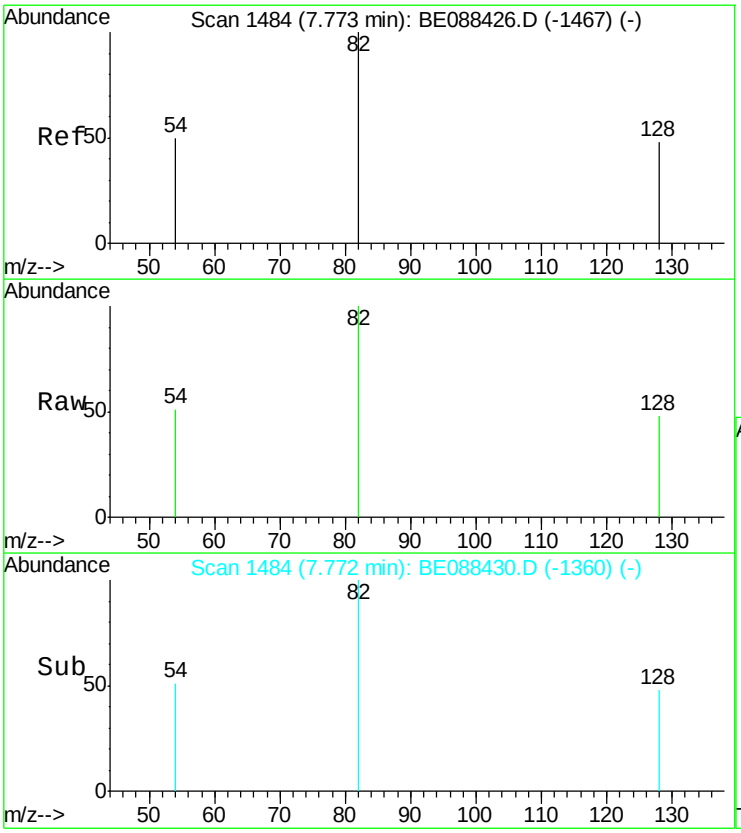
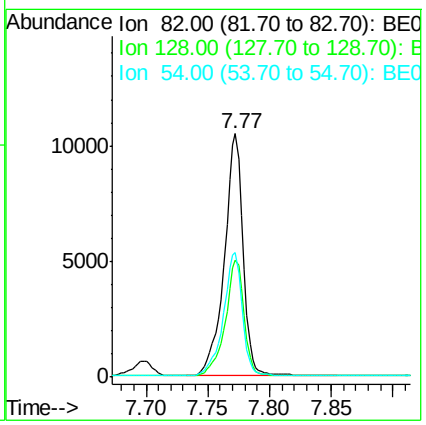
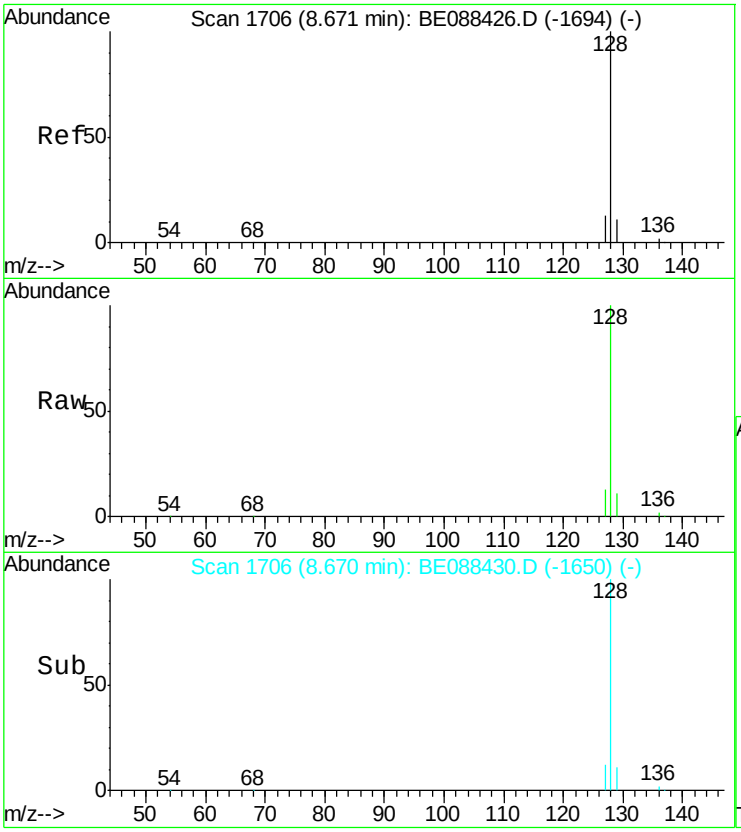


#4
Nitrobenzene-d5
Concen: 1.04 ng
RT: 7.77 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion: 82 Resp: 11031

Ion	Ratio	Lower	Upper
82	100		
128	48.2	38.4	57.6
54	51.1	40.2	60.2

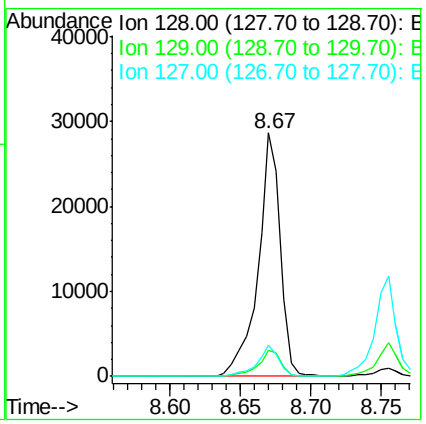




#5
Naphthalene
Concen: 1.04 ng
RT: 8.67 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:128 Resp: 31128

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.6	10.1	15.1



Instrument :
BNA_E
ClientSampleId :
ICVBE103114

Manual Integrations APPROVED
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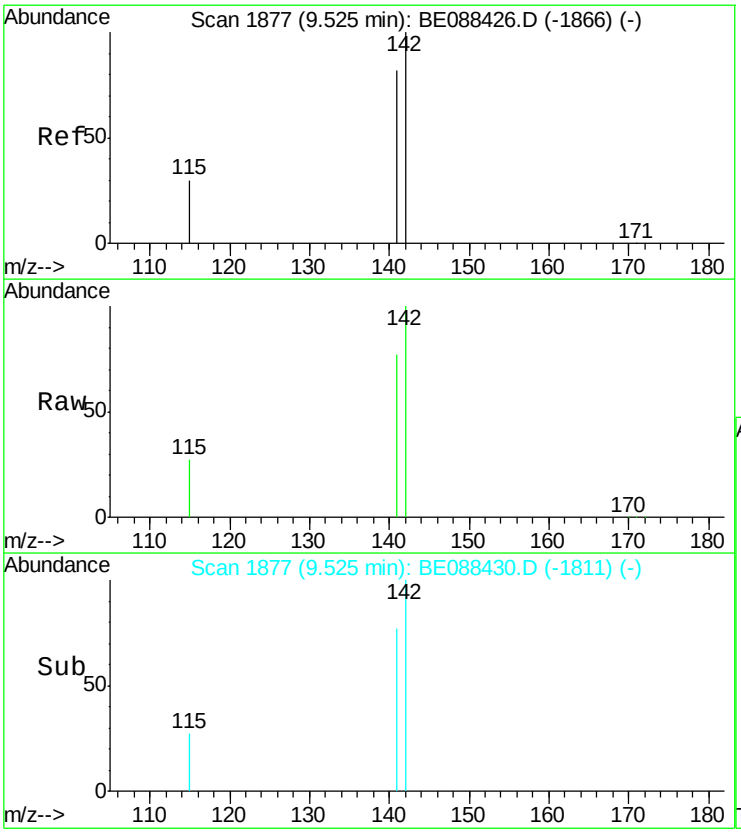
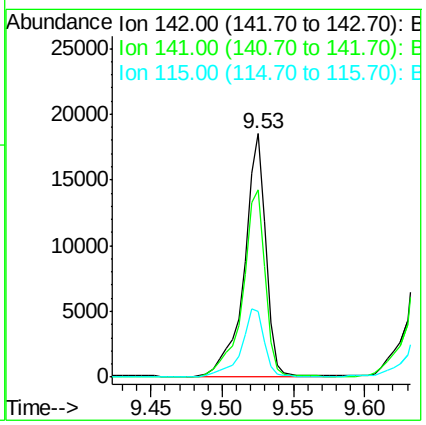
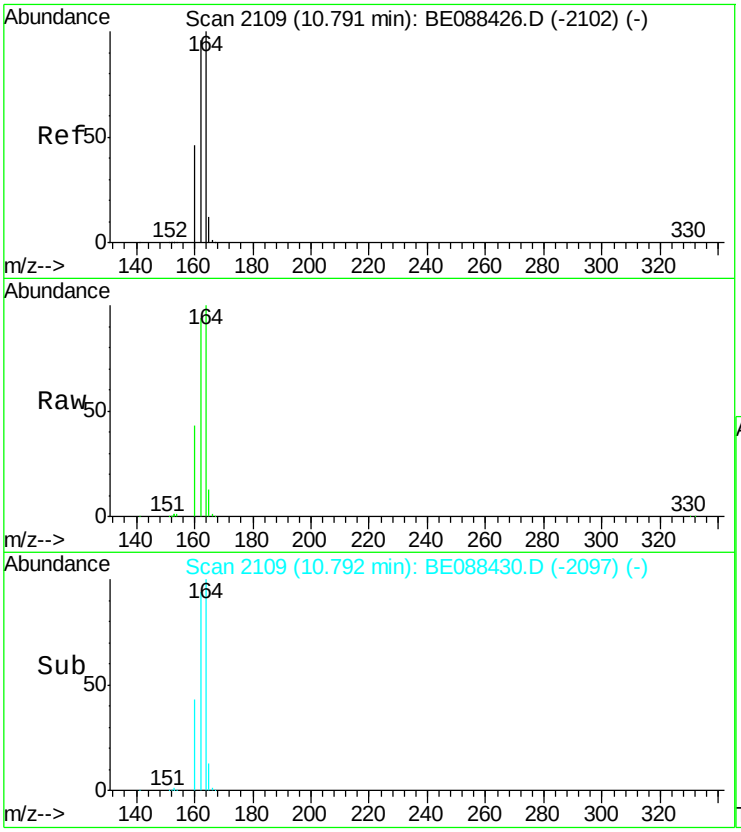


#6
2-Methylnaphthalene
Concen: 1.05 ng
RT: 9.53 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:142 Resp: 19459

Ion	Ratio	Lower	Upper
142	100		
141	77.1	65.8	98.8
115	26.8	24.2	36.4

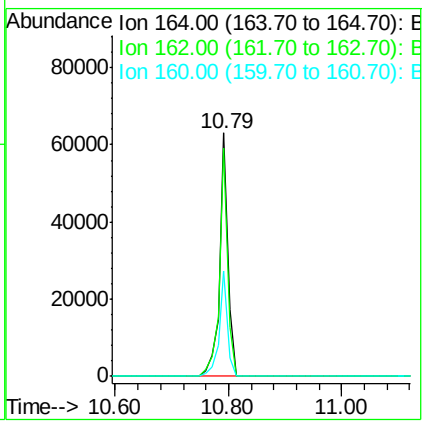




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.79 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:164 Resp: 67650

Ion	Ratio	Lower	Upper
164	100		
162	93.9	77.0	115.4
160	43.4	36.8	55.2



Instrument :
BNA_E
ClientSampleId :
ICVBE103114

Manual Integrations APPROVED
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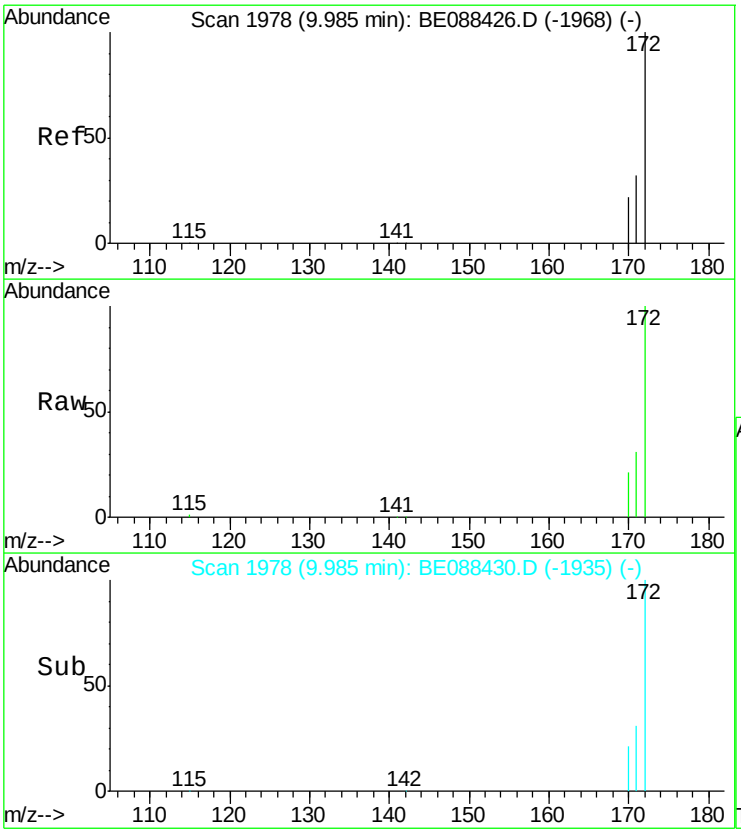
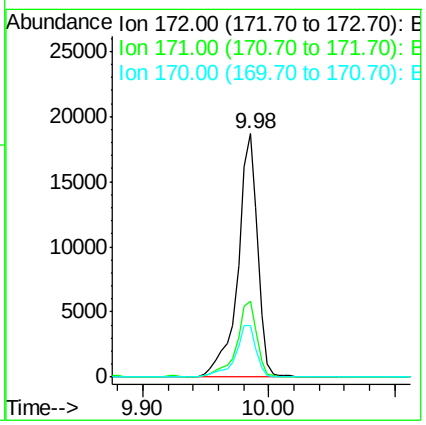
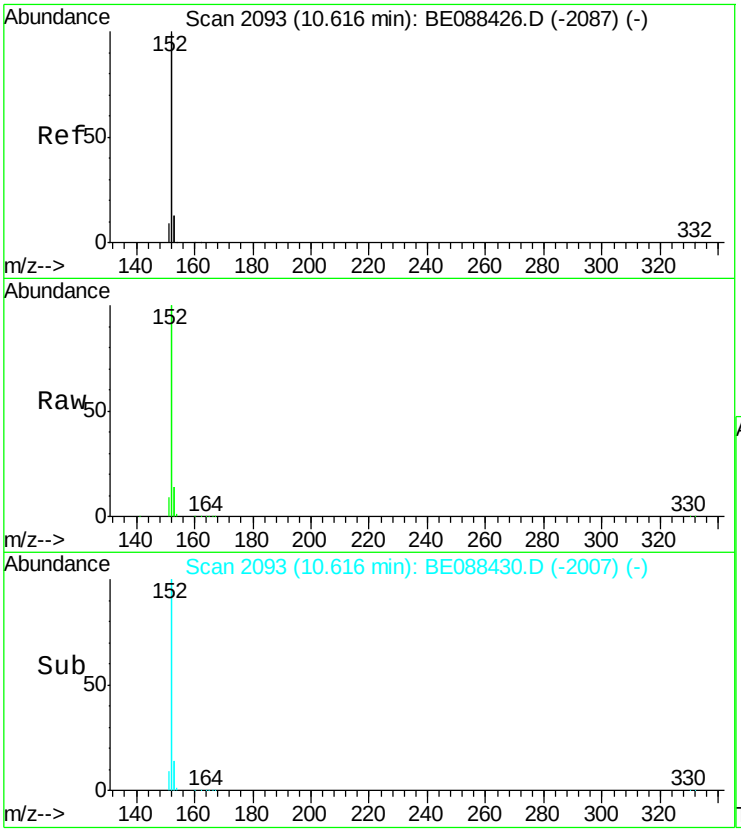


#8
2-Fluorobiphenyl
Concen: 1.04 ng
RT: 9.98 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:172 Resp: 19836

Ion	Ratio	Lower	Upper
172	100		
171	31.4	26.0	39.0
170	21.2	17.6	26.4

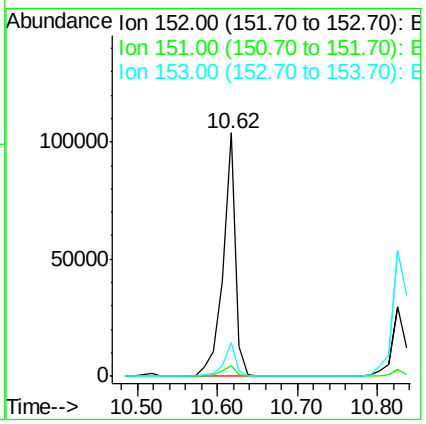




#9
Acenaphthylene
Concen: 1.03 ng
RT: 10.62 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:152 Resp: 113041

Ion	Ratio	Lower	Upper
152	100		
151	4.6	4.4	6.6
153	13.0	10.5	15.7



Instrument :
BNA_E
ClientSampleId :
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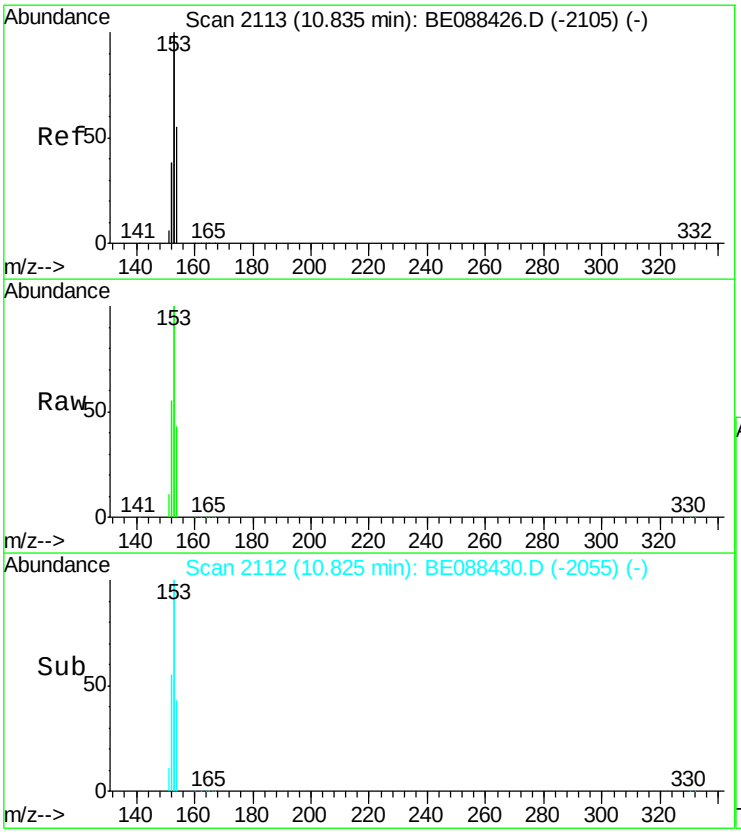
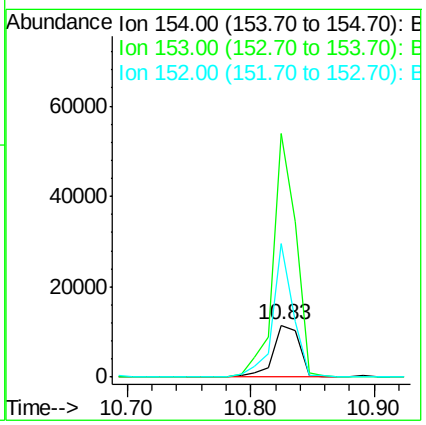
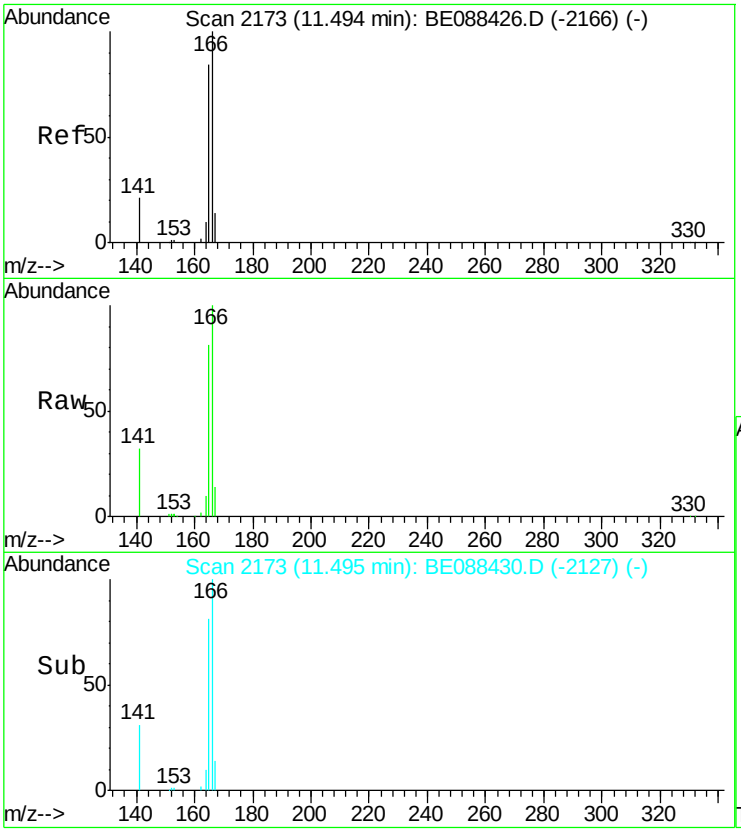


#10
Acenaphthene
Concen: 1.02 ng
RT: 10.83 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:154 Resp: 16606

Ion	Ratio	Lower	Upper
154	100		
153	406.5	324.3	486.5
152	195.5	154.9	232.3





#11
Fluorene
Concen: 1.05 ng
RT: 11.49 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Instrument :
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ClientSampleId :
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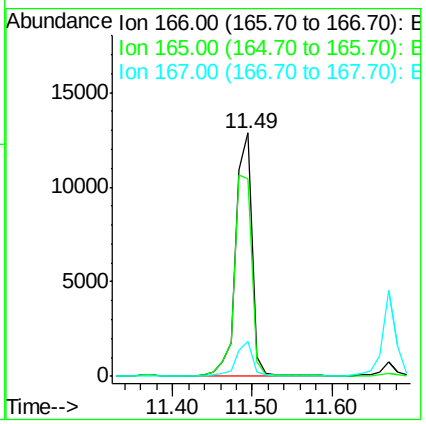
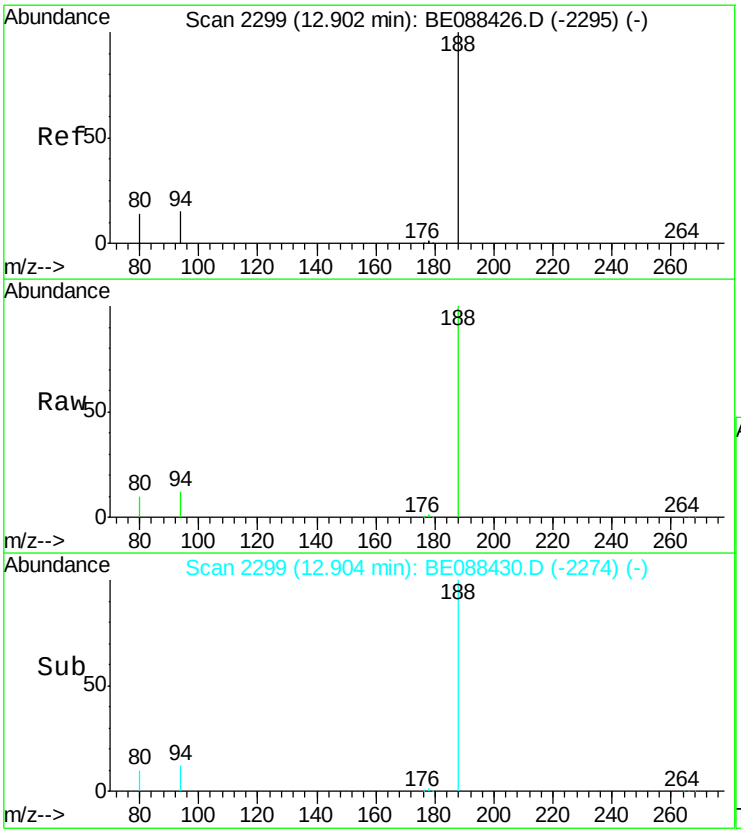
Tgt Ion:166 Resp: 18149

Ion	Ratio	Lower	Upper
166	100		
165	89.1	71.3	106.9
167	13.4	10.7	16.1

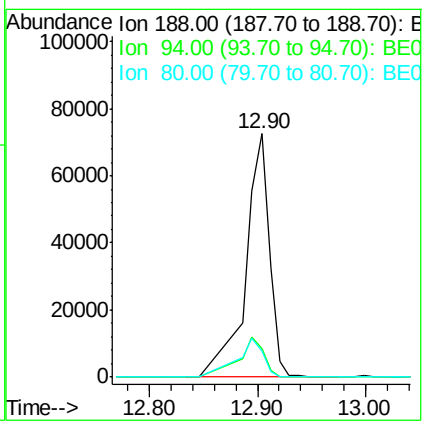


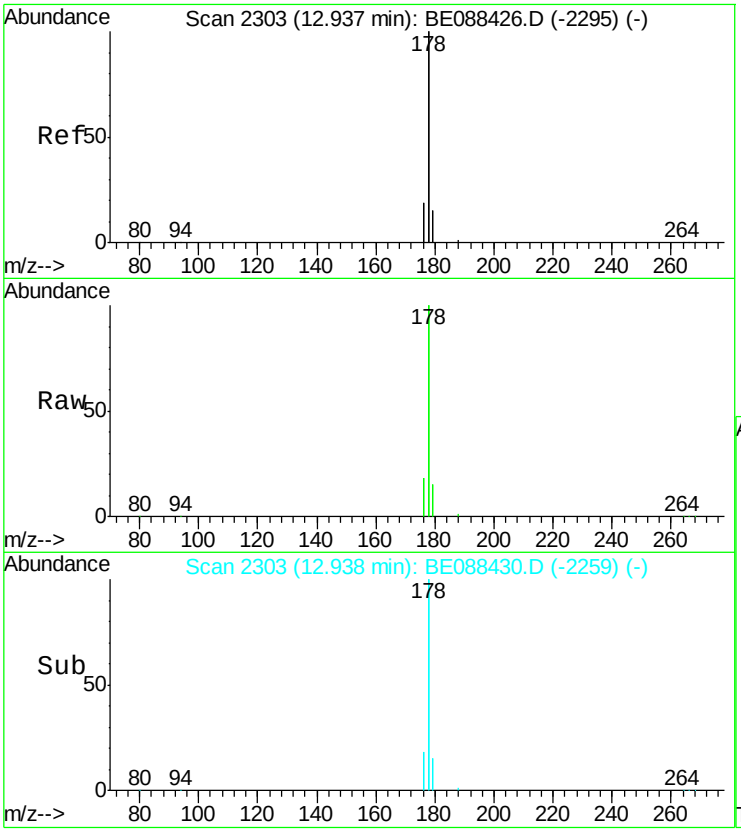


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:188 Resp: 126435

Ion	Ratio	Lower	Upper
188	100		
94	11.9	11.8	17.8
80	10.5	10.9	16.3#

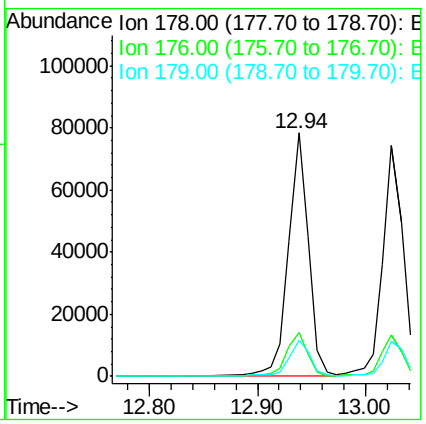




#13
Phenanthrene
Concen: 1.17 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:178 Resp: 134122

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.1	12.8	19.2



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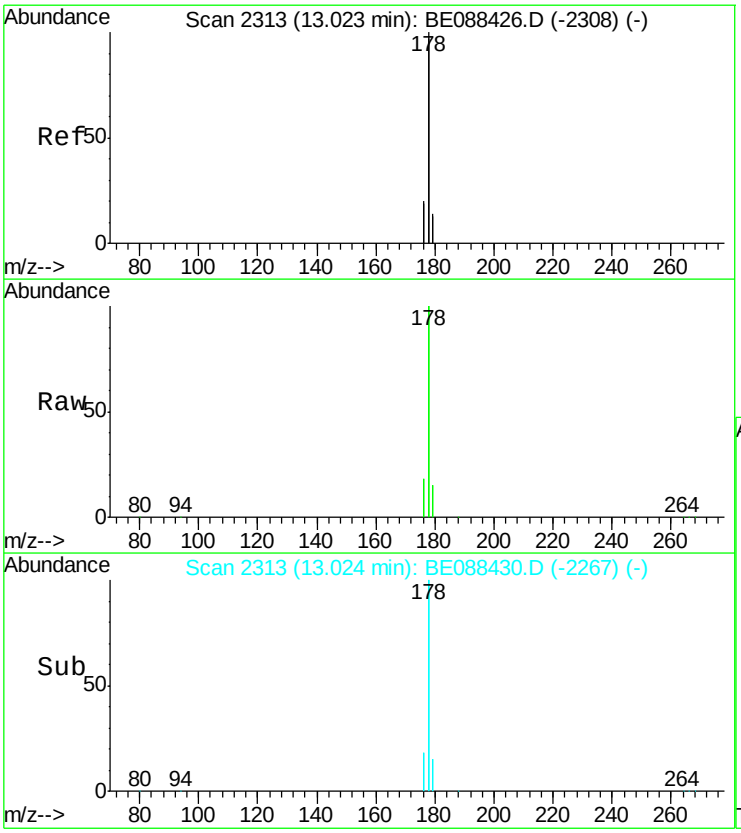
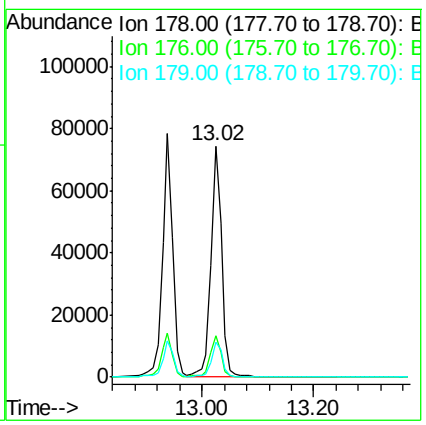
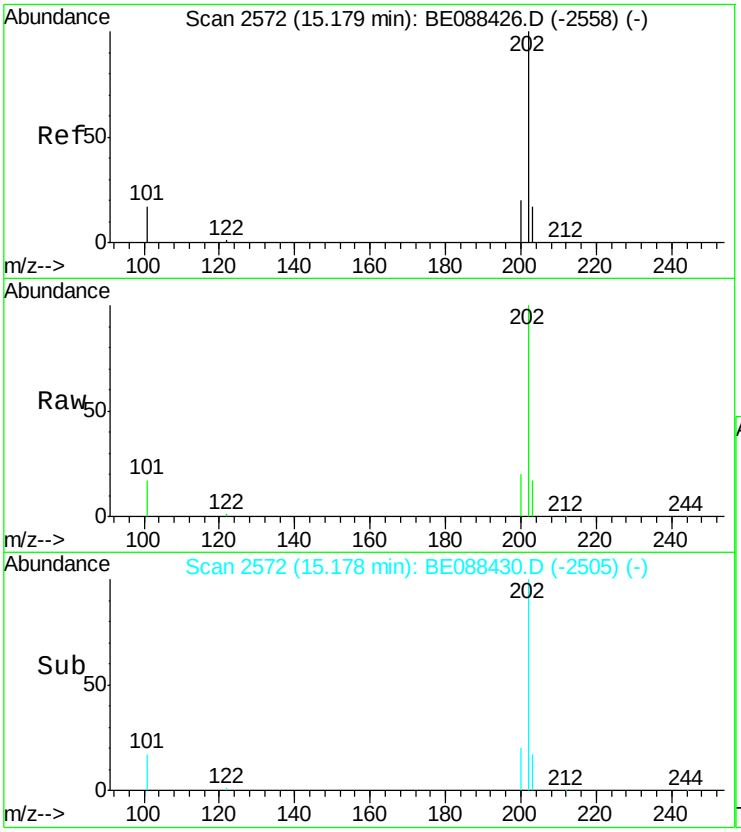


#14
Anthracene
Concen: 1.06 ng
RT: 13.02 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:178 Resp: 98589

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.6	12.5	18.7





#15
Fluoranthene
Concen: 1.08 ng
RT: 15.18 min Scan# 2572
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:202 Resp: 20164

Ion	Ratio	Lower	Upper
202	100		
101	17.5	14.3	21.5
203	16.9	13.6	20.4

Instrument :
BNA_E
ClientSampleId :
ICVBE103114

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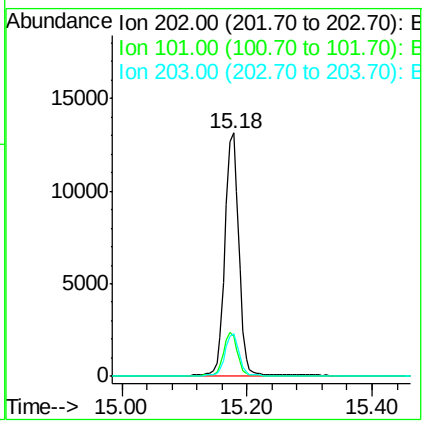
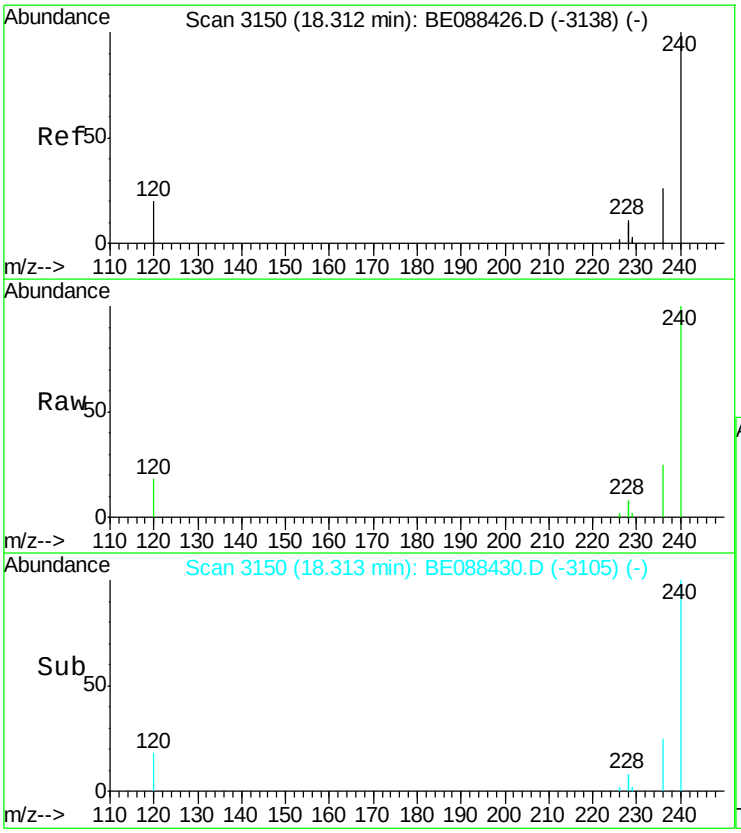
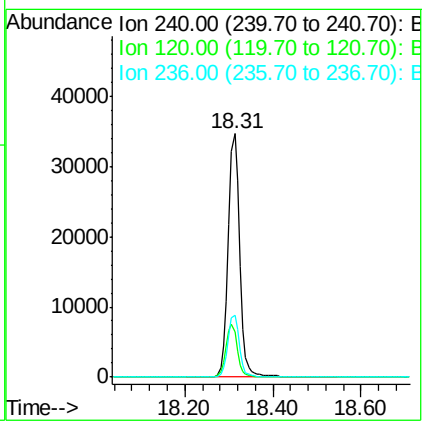


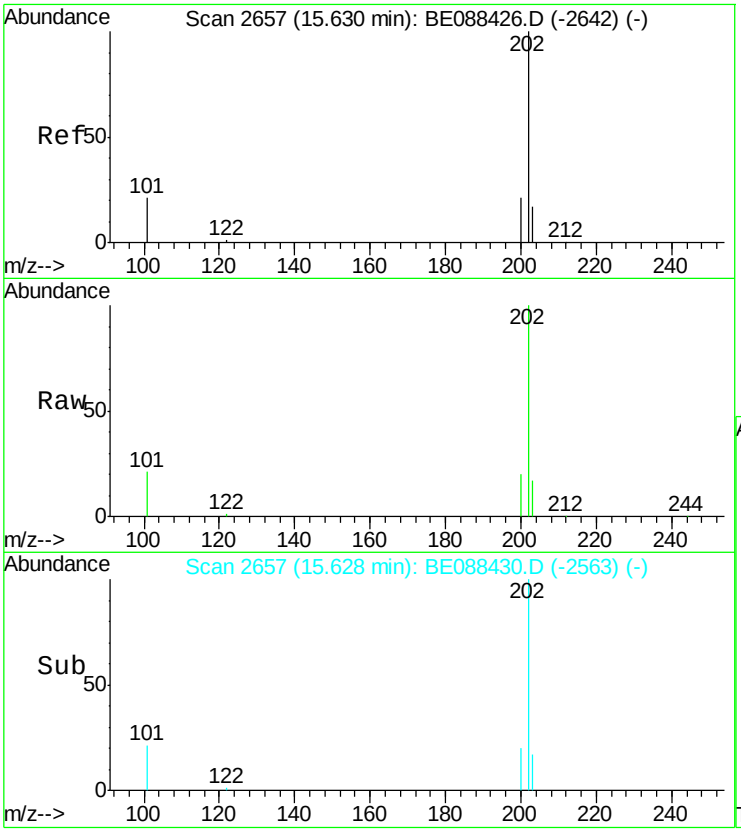


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:240 Resp: 62640

Ion	Ratio	Lower	Upper
240	100		
120	18.4	16.4	24.6
236	25.2	20.5	30.7

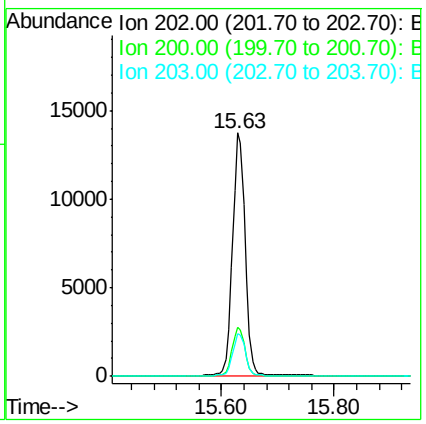




#17
Pyrene
Concen: 1.04 ng
RT: 15.63 min Scan# 2657
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:202 Resp: 21242

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.4	13.8	20.8



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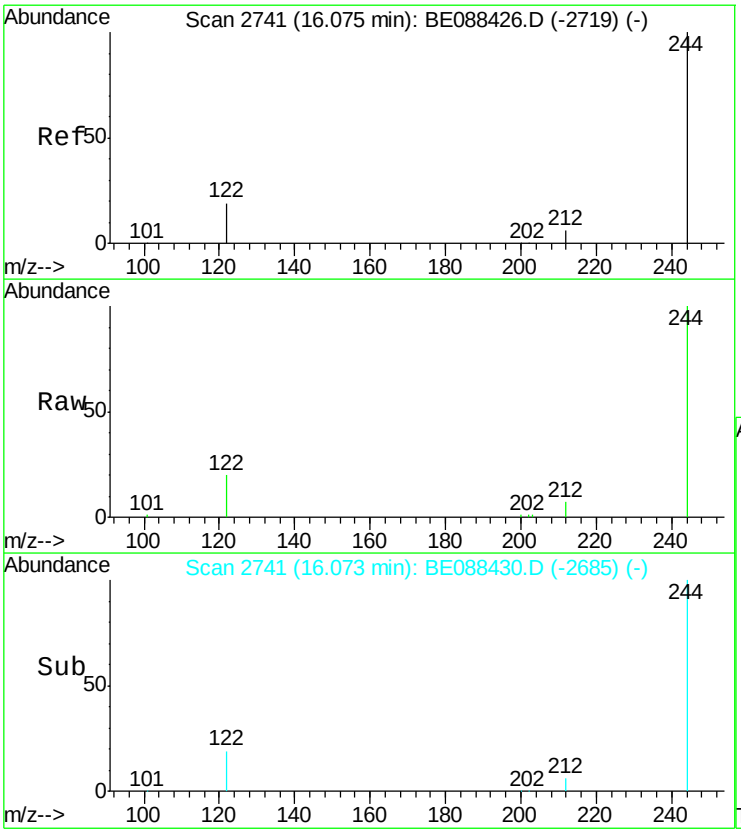
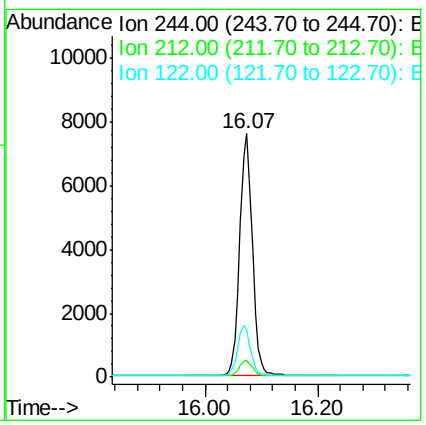
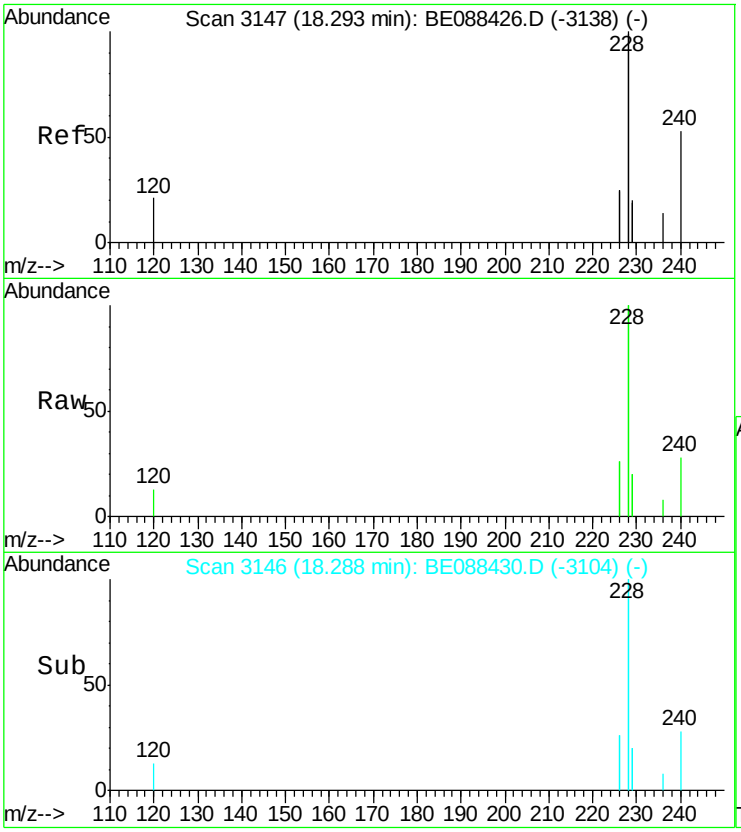


#18
Terphenyl-d14
Concen: 1.04 ng
RT: 16.07 min Scan# 2741
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:244 Resp: 11960

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	19.5	15.6	23.4

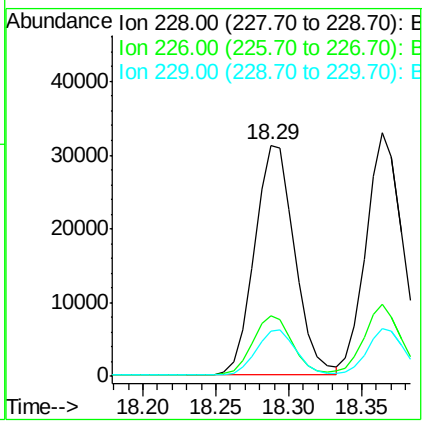




#19
Benzo(a)anthracene
Concen: 1.01 ng
RT: 18.29 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:228 Resp: 59486

Ion	Ratio	Lower	Upper
228	100		
226	26.0	19.8	29.6
229	19.6	16.0	24.0



Instrument :
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ClientSampleId :
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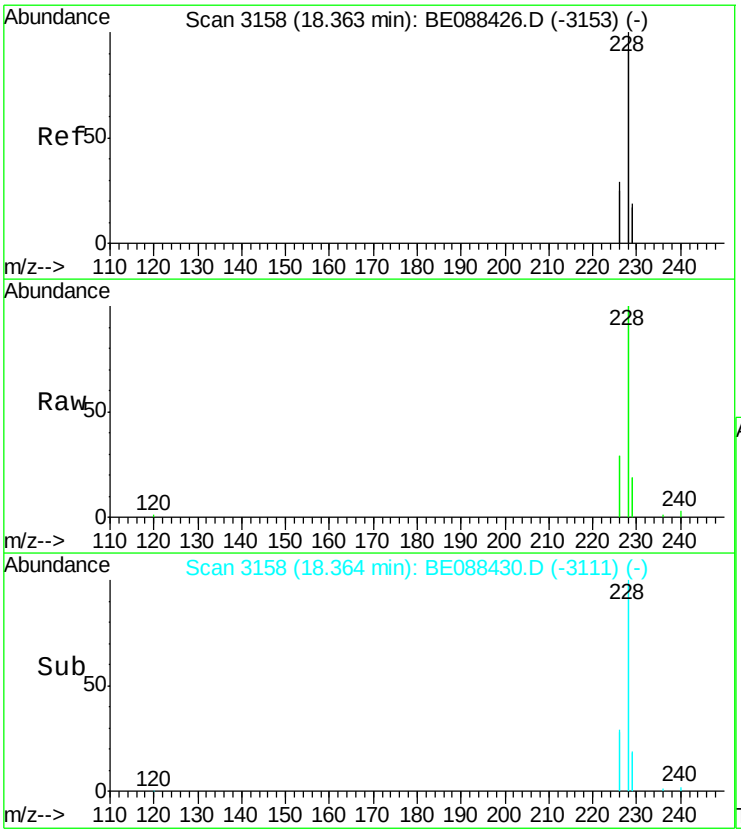
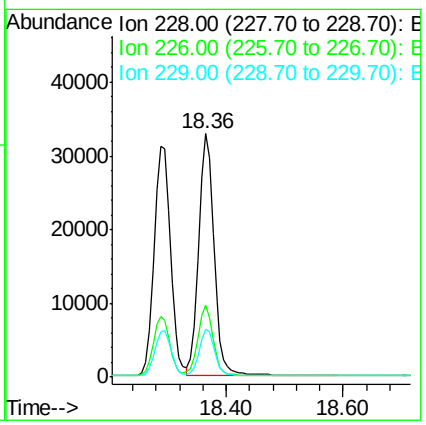
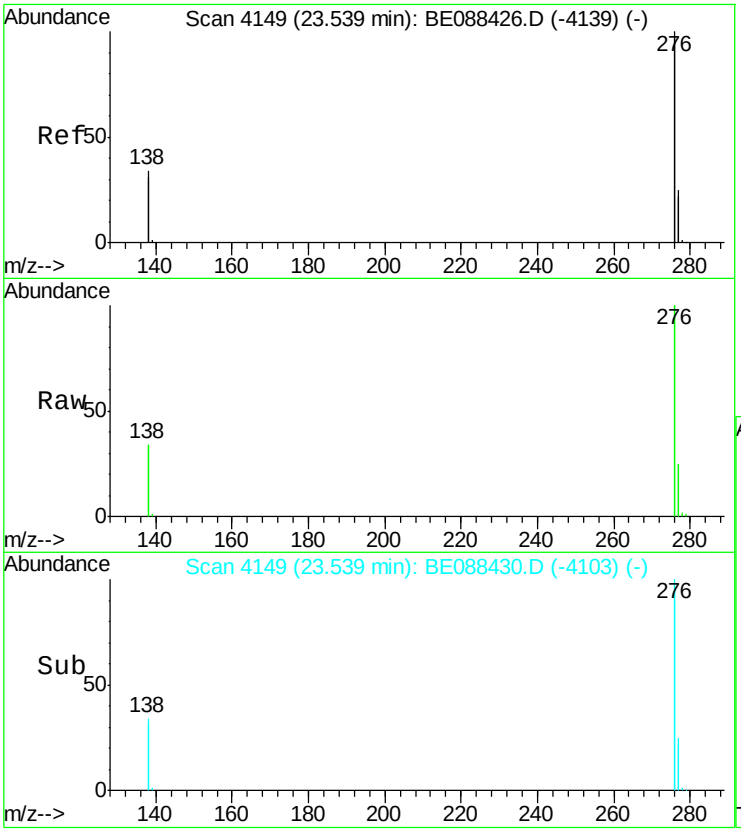


#20
Chrysene
Concen: 1.03 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:228 Resp: 59639

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.6	35.4
229	19.4	15.4	23.2

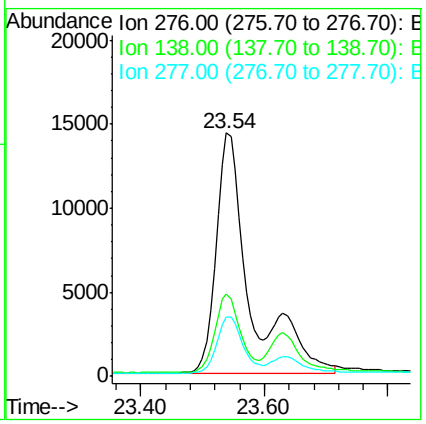




#21
Indeno(1,2,3-cd)pyrene
Concen: 1.00 ng m
RT: 23.54 min Scan# 4149
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:276 Resp: 53960

Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.2	30.2
277	18.3	14.8	22.2



Instrument :
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ClientSampleId :
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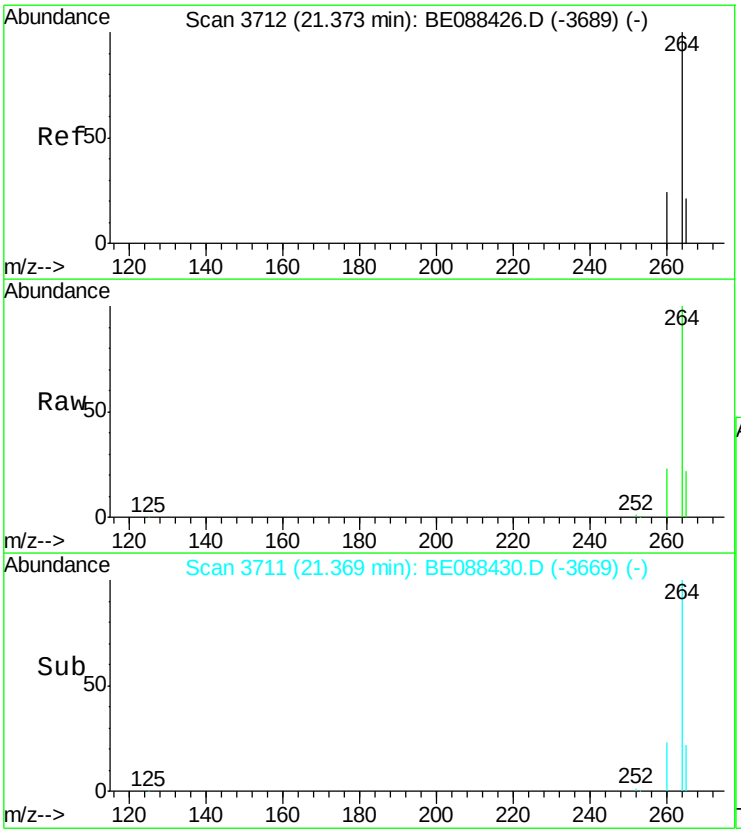
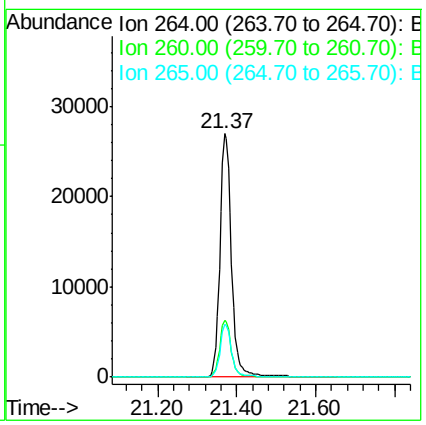
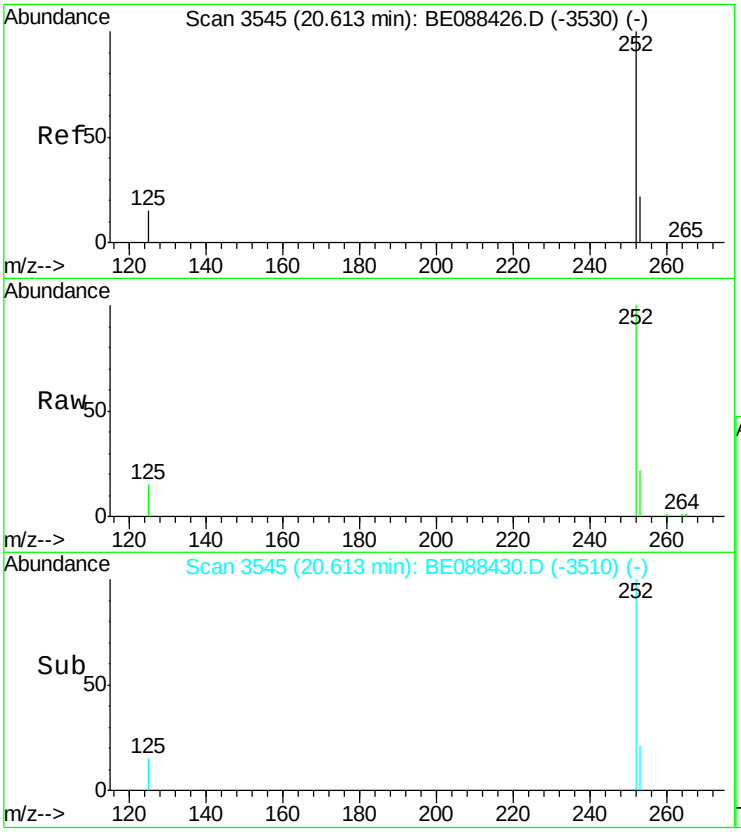


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3711
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:264 Resp: 54317

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.8	17.2	25.8

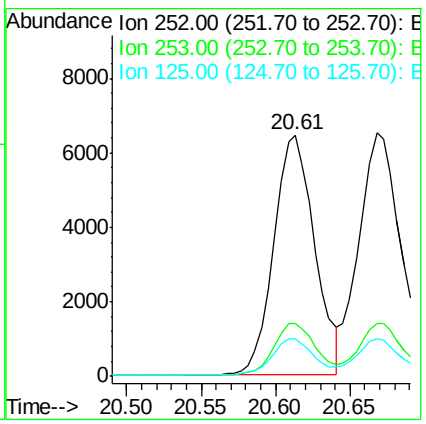




#23
Benzo(b)fluoranthene
Concen: 1.03 ng
RT: 20.61 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:252 Resp: 12228

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	15.5	12.3	18.5



Instrument :
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ClientSampleId :
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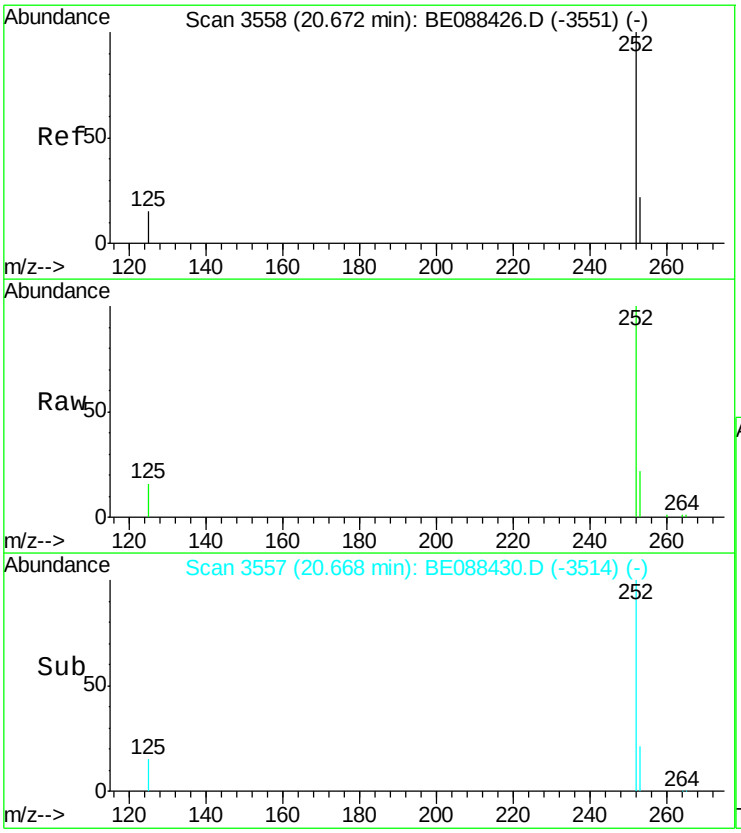
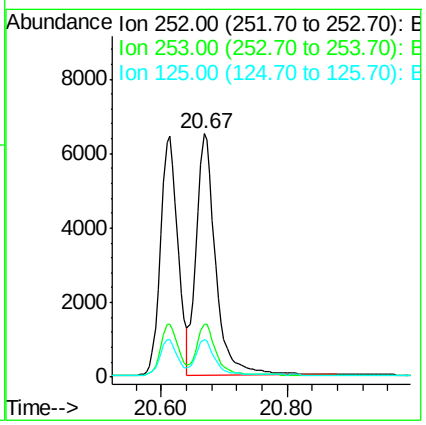
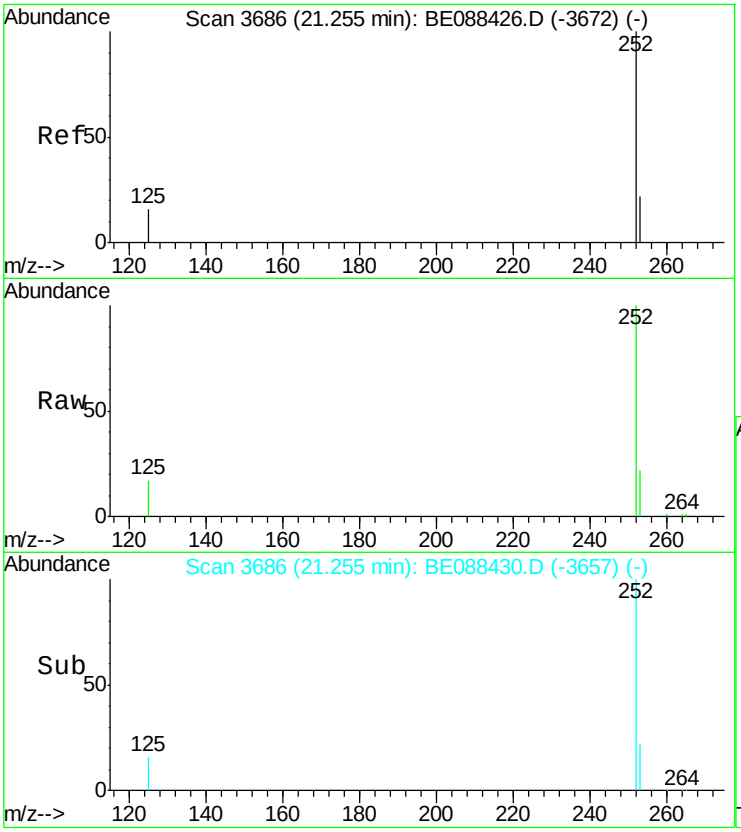


#24
Benzo(k)fluoranthene
Concen: 1.05 ng
RT: 20.67 min Scan# 3557
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:252 Resp: 13821

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	15.5	12.2	18.4





#25
Benzo(a)pyrene
Concen: 1.02 ng
RT: 21.26 min Scan# 3686
Delta R.T. 0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:252 Resp: 11665

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	16.8	13.7	20.5

Instrument :
BNA_E
ClientSampleId :
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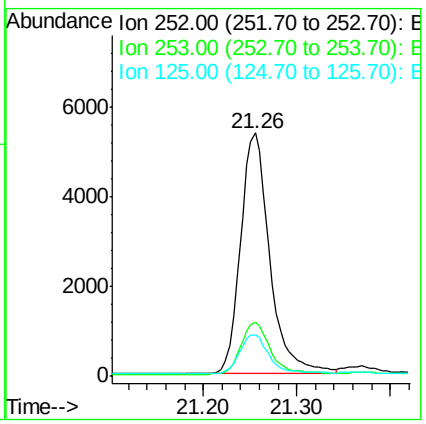
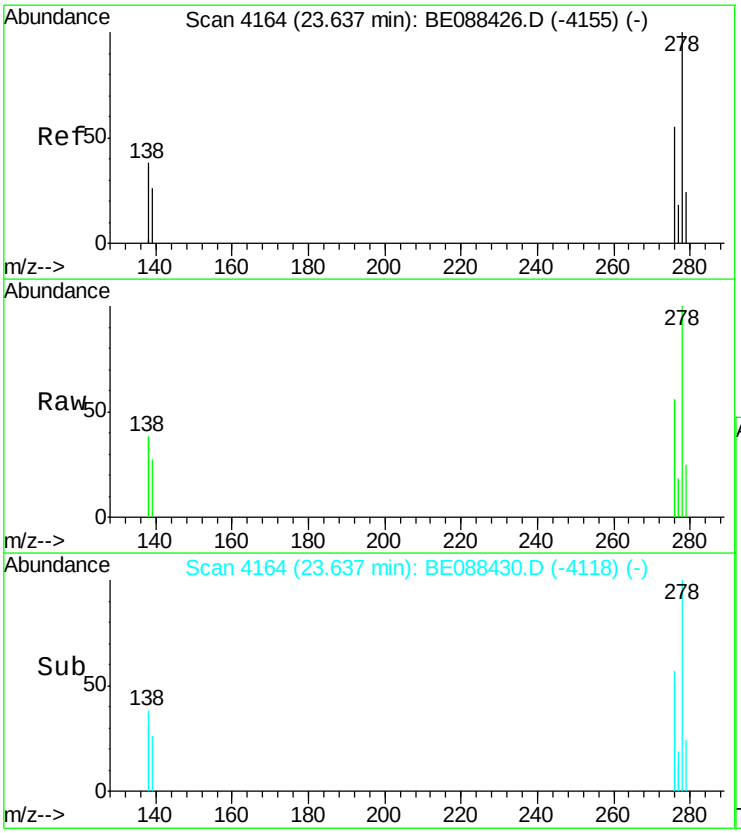
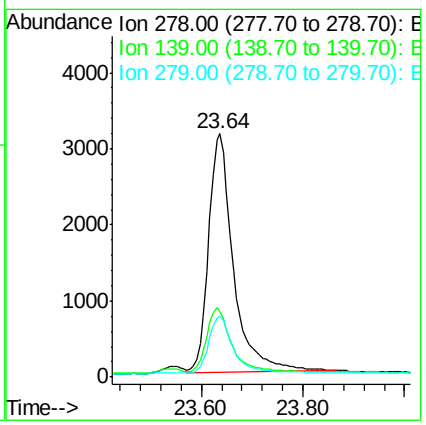


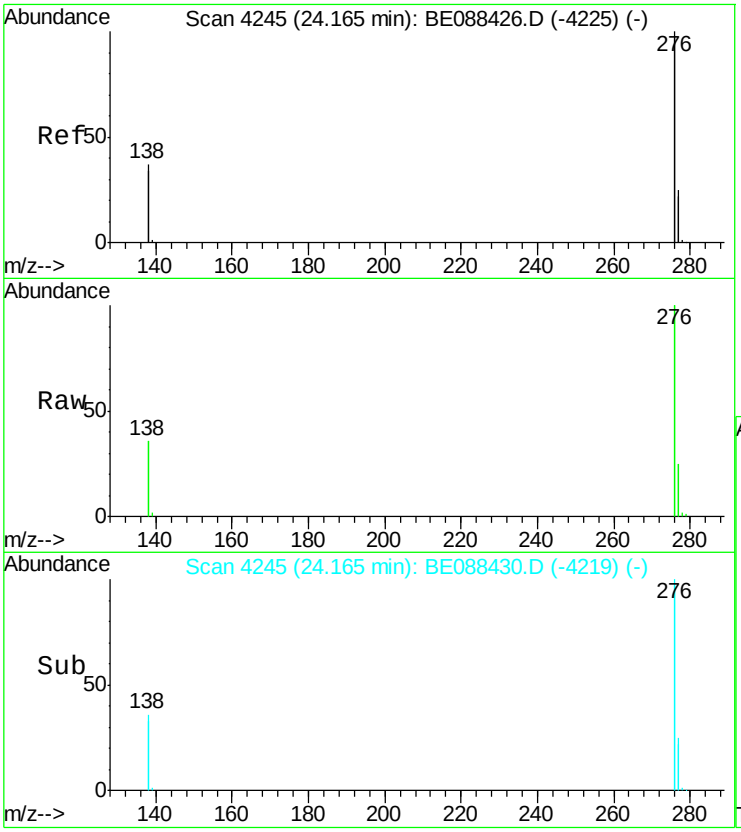


#26
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 23.64 min Scan# 4164
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:278 Resp: 10636

Ion	Ratio	Lower	Upper
278	100		
139	27.1	22.1	33.1
279	24.8	19.7	29.5

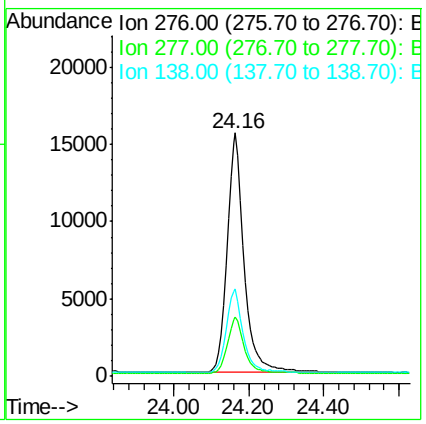




#27
Benzo(g,h,i)perylene
Concen: 1.02 ng
RT: 24.16 min Scan# 4245
Delta R.T. -0.00 min
Lab File: BE088430.D
Acq: 31 Oct 2014 19:15

Tgt Ion:276 Resp: 49623

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.6
138	35.9	29.3	43.9



Instrument :
BNA_E
ClientSampleId :
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