Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088191.D
Acq On : 22 Oct 2014 20:28
Operator : TP/JJ
Sample : F4325-03MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

Manual Integrations APPROVED
mohammad
10/28/2014 12:07:00 PM

Quant Time: Oct 27 04:37:06 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	29631	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	120506	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	60695	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	89489	5.00	ng	0.00
16) Chrysene-d12	18.39	240	56579	5.00	ng	0.00
22) Perylene-d12	21.45	264	56283	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	80402	9.26	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	188794	11.26	ng	0.00
18) Terphenyl-d14	16.15	244	144349	15.85	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.32	88	22100	5.18	ng	99
5) Naphthalene	8.72	128	138576	5.58	ng	99
6) 2-Methylnaphthalene	9.58	142	91408	6.15	ng	96
9) Acenaphthylene	10.67	152	490552	5.30	ng	100
10) Acenaphthene	10.88	154	73267	5.13	ng	100
11) Fluorene	11.55	166	82120	5.43	ng	99
13) Phenanthrene	13.01	178	457681m	7.03	ng	
14) Anthracene	13.09	178	455002	6.52	ng	99
15) Fluoranthene	15.25	202	101842	5.98	ng	99
17) Pyrene	15.71	202	102841	6.69	ng	99
19) Benzo(a)anthracene	18.36	228	291055	5.78	ng	99
20) Chrysene	18.44	228	281007	5.69	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	347501m	6.34	ng	
23) Benzo(b)fluoranthene	20.68	252	73001	5.45	ng	99
24) Benzo(k)fluoranthene	20.74	252	76740	5.35	ng	100
25) Benzo(a)pyrene	21.33	252	72353	5.86	ng	99
26) Dibenzo(a,h)anthracene	23.73	278	68208	5.64	ng	98
27) Benzo(g,h,i)perylene	24.28	276	309323	5.78	ng	98

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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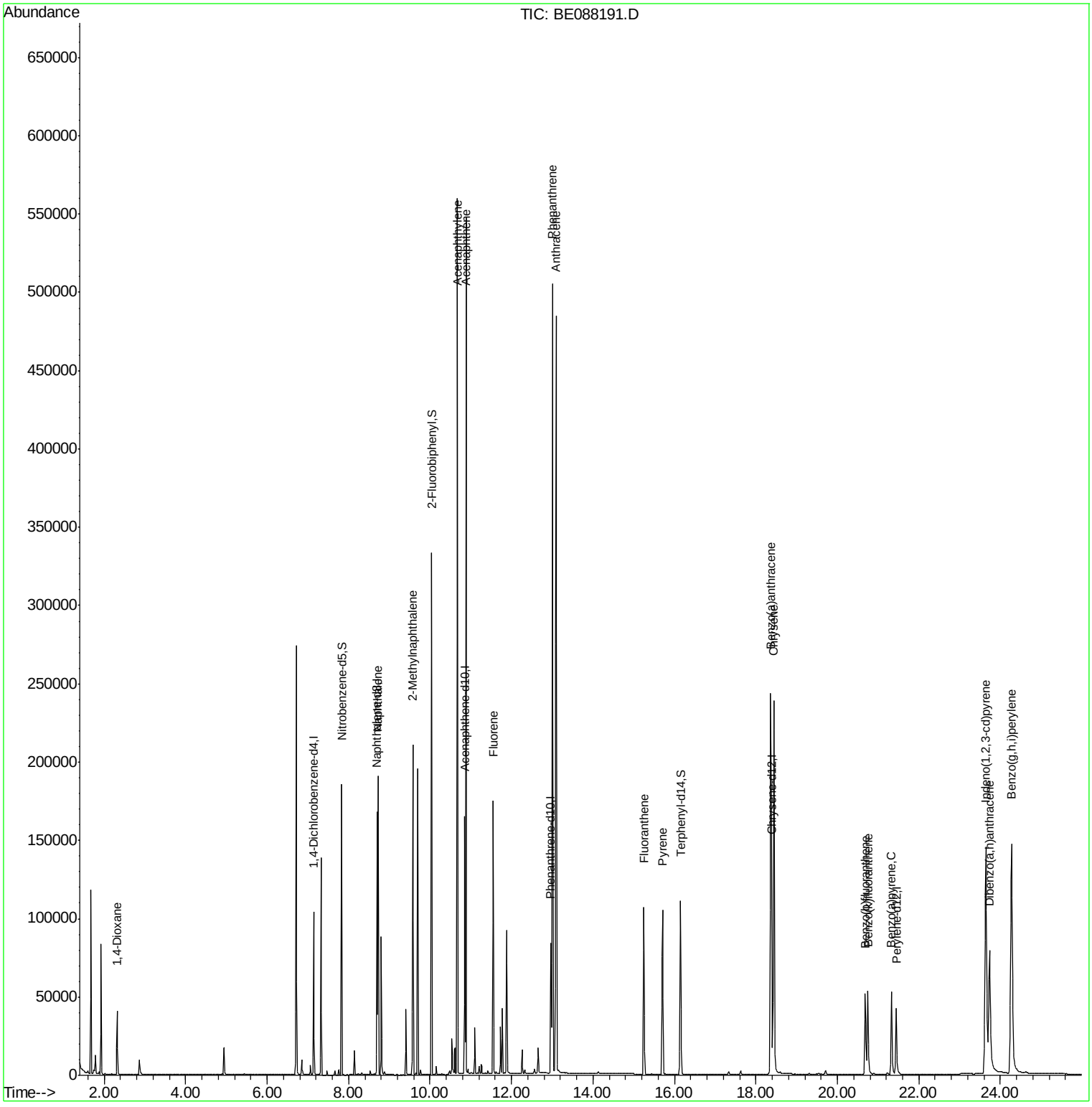
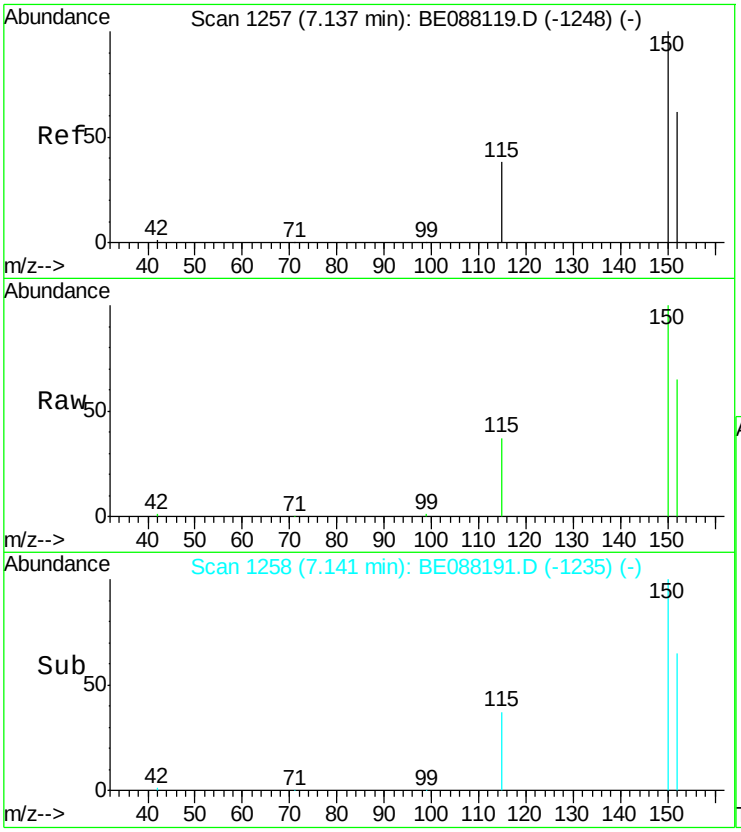
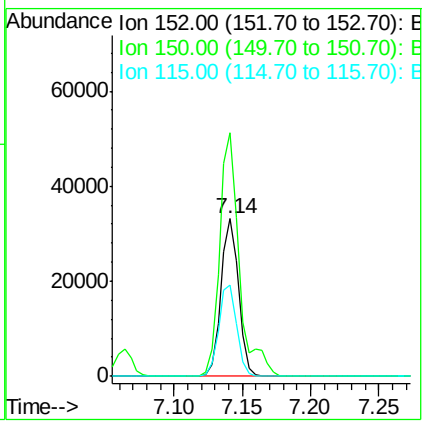




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:152 Resp: 29631

Ion	Ratio	Lower	Upper
152	100		
150	154.4	129.2	193.8
115	57.6	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

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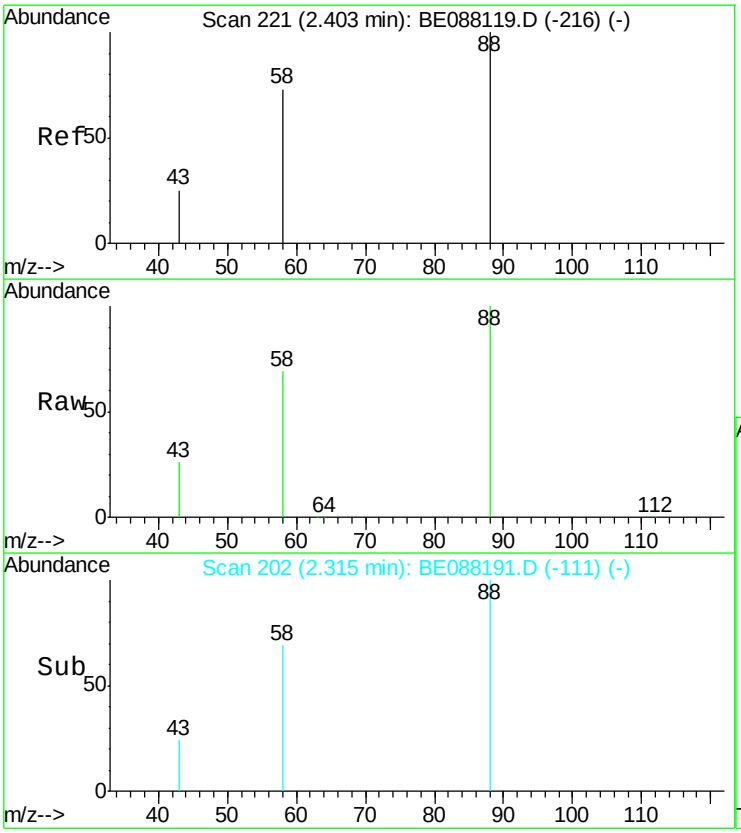
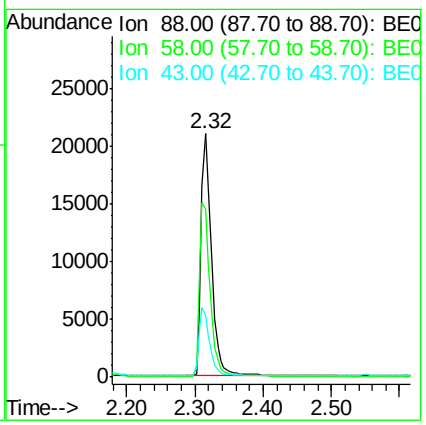
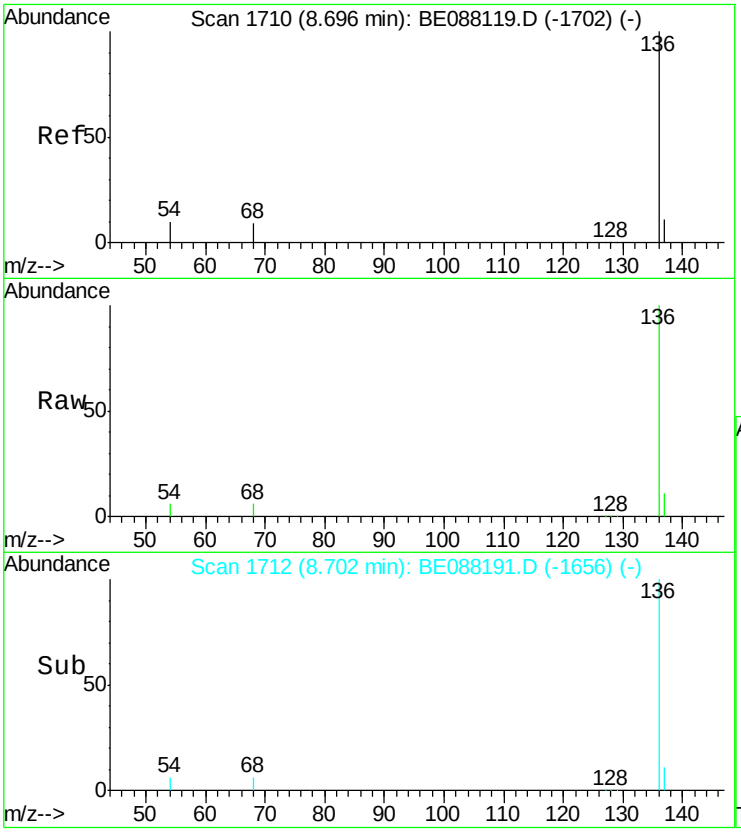


#2
1,4-Dioxane
Concen: 5.18 ng
RT: 2.32 min Scan# 202
Delta R.T. -0.09 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion: 88 Resp: 22100

Ion	Ratio	Lower	Upper
88	100		
58	74.6	59.5	89.3
43	28.5	21.2	31.8

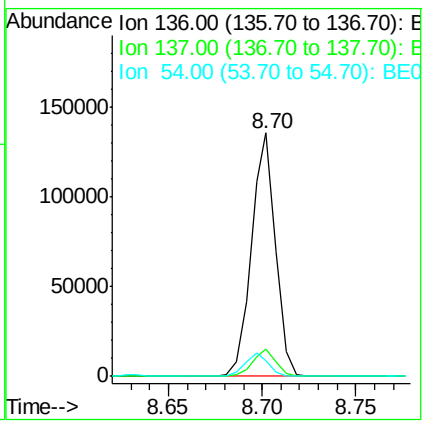




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:136 Resp: 120506

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	6.4	7.7	11.5#



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

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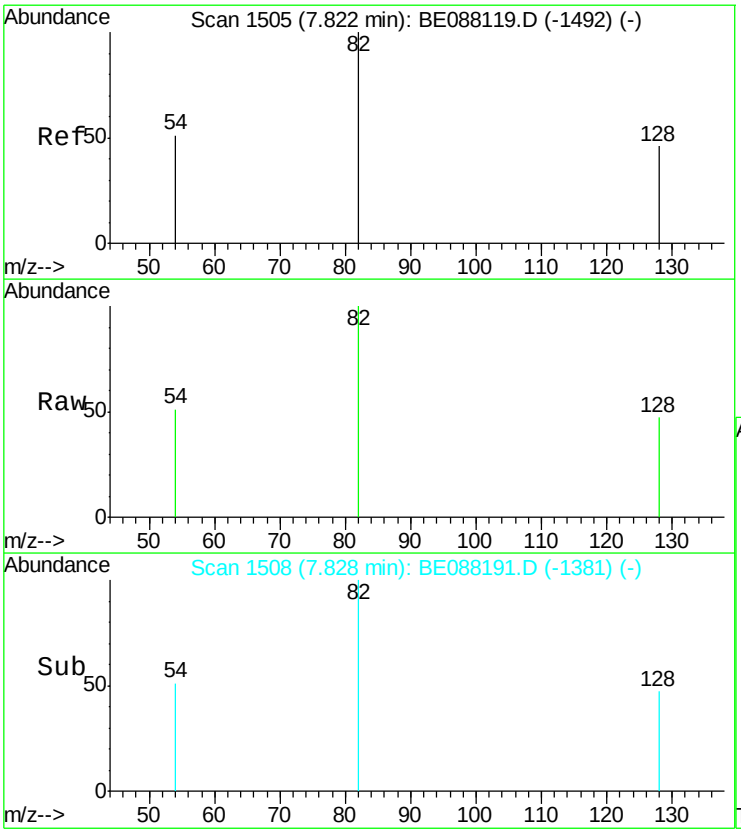
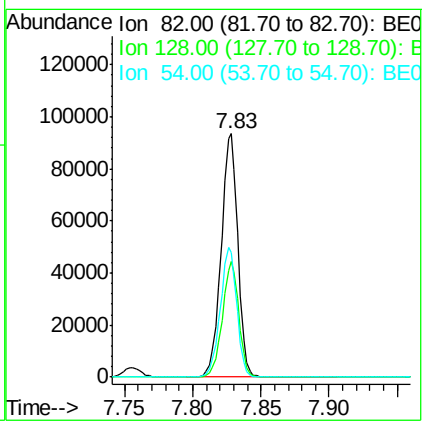
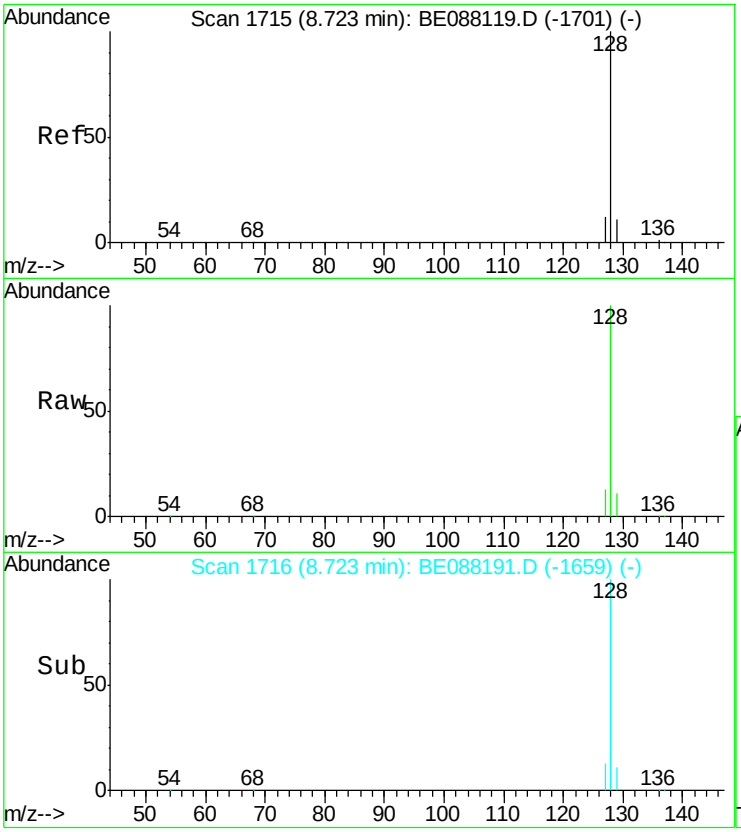


#4
Nitrobenzene-d5
Concen: 9.26 ng
RT: 7.83 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion: 82 Resp: 80402

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.1	55.7
54	51.2	41.1	61.7

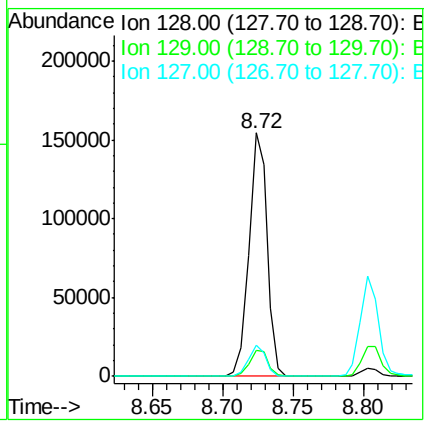




#5
Naphthalene
Concen: 5.58 ng
RT: 8.72 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:128 Resp: 138576

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.7	9.7	14.5



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

Manual Integrations APPROVED
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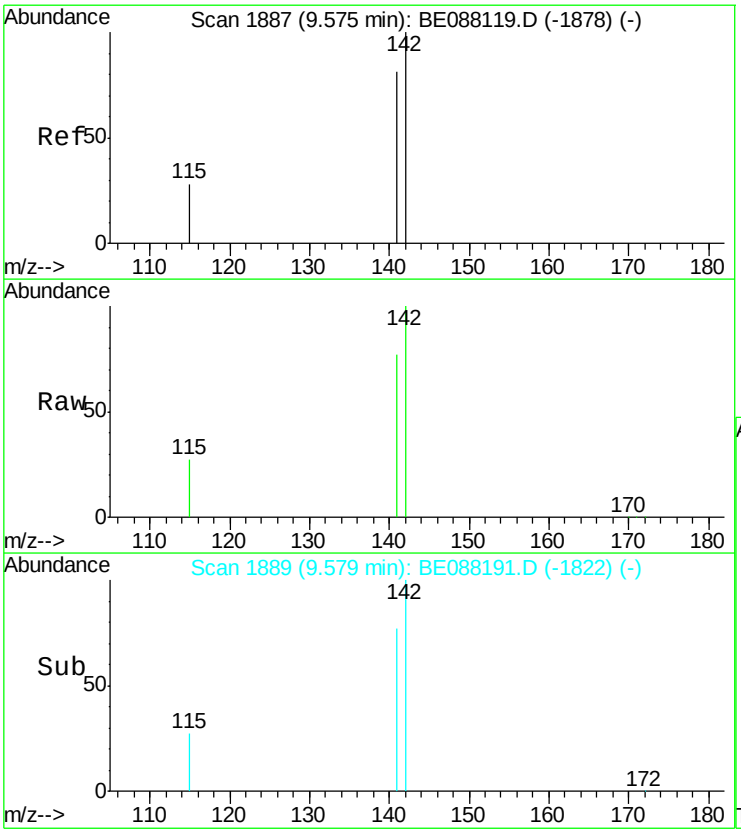
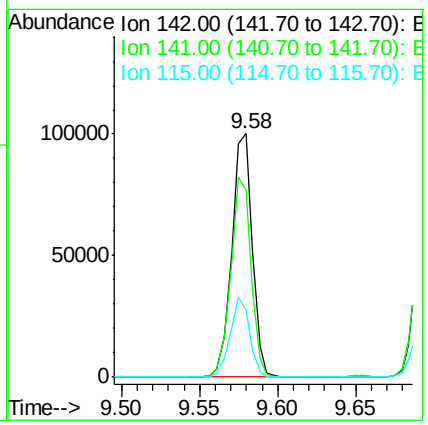
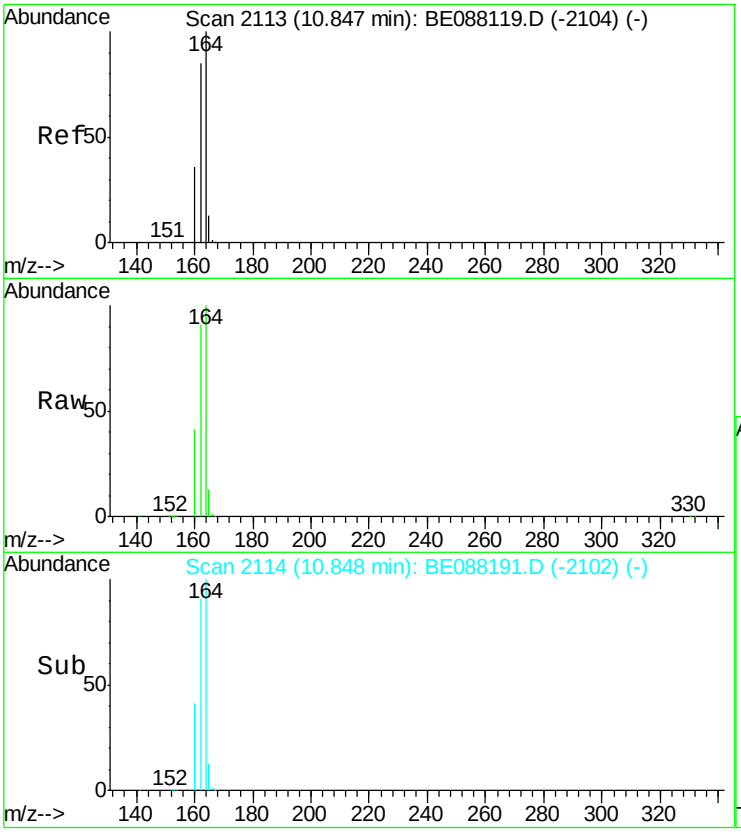


#6
2-Methylnaphthalene
Concen: 6.15 ng
RT: 9.58 min Scan# 1889
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:142 Resp: 91408

Ion	Ratio	Lower	Upper
142	100		
141	77.0	64.6	97.0
115	27.3	22.6	34.0

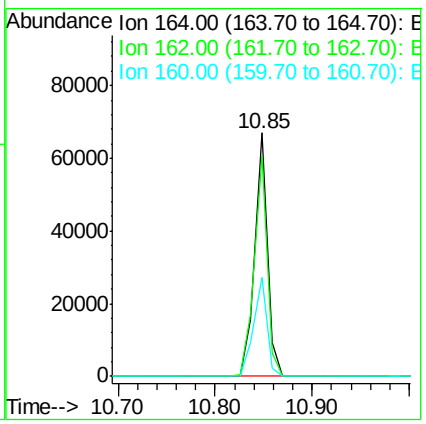




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:164 Resp: 60695

Ion	Ratio	Lower	Upper
164	100		
162	90.8	68.3	102.5
160	40.7	28.7	43.1



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

Manual Integrations APPROVED
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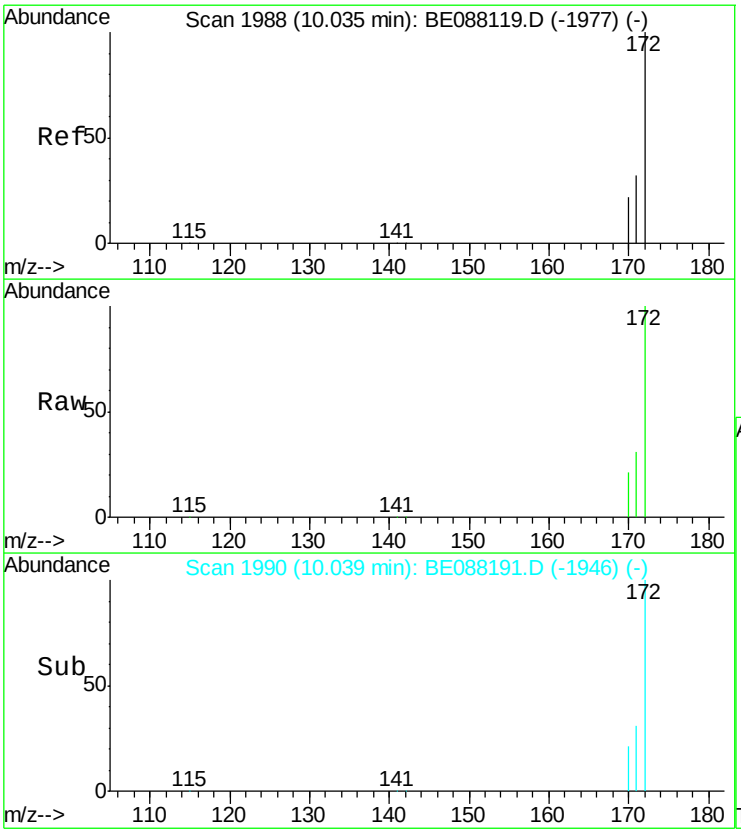
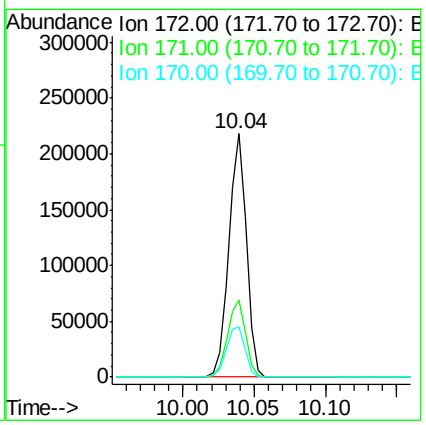
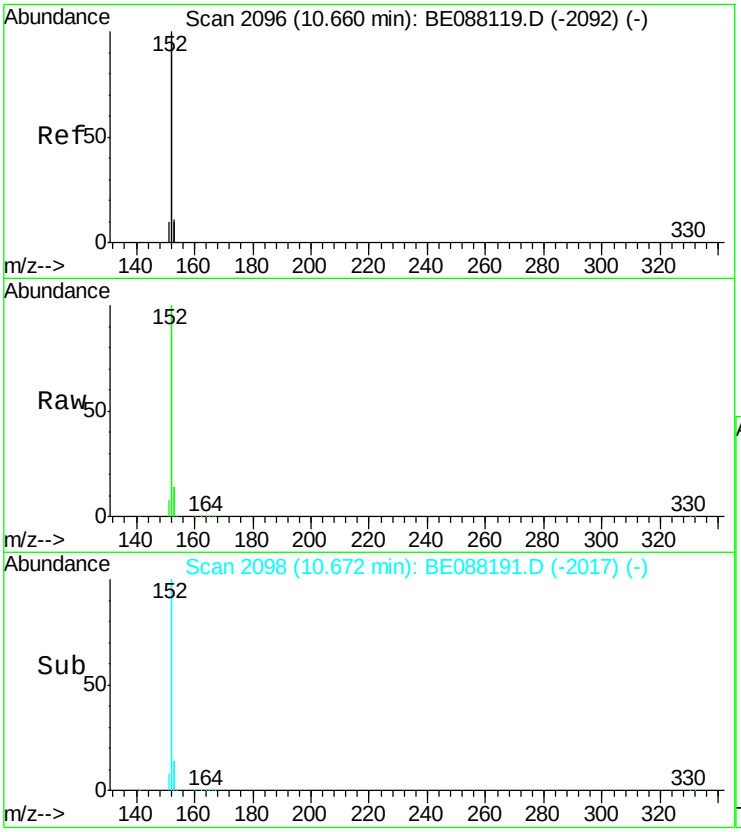


#8
2-Fluorobiphenyl
Concen: 11.26 ng
RT: 10.04 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:172 Resp: 188794

Ion	Ratio	Lower	Upper
172	100		
171	31.5	25.4	38.2
170	20.9	17.4	26.2

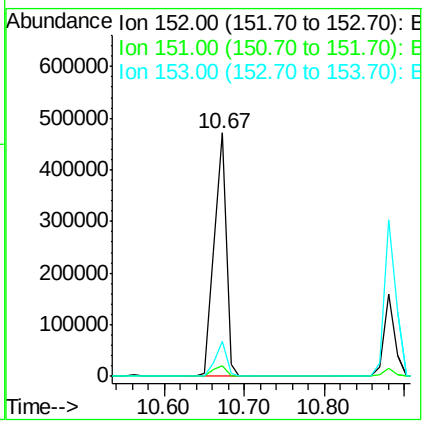




#9
Acenaphthylene
Concen: 5.30 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:152 Resp: 490552

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

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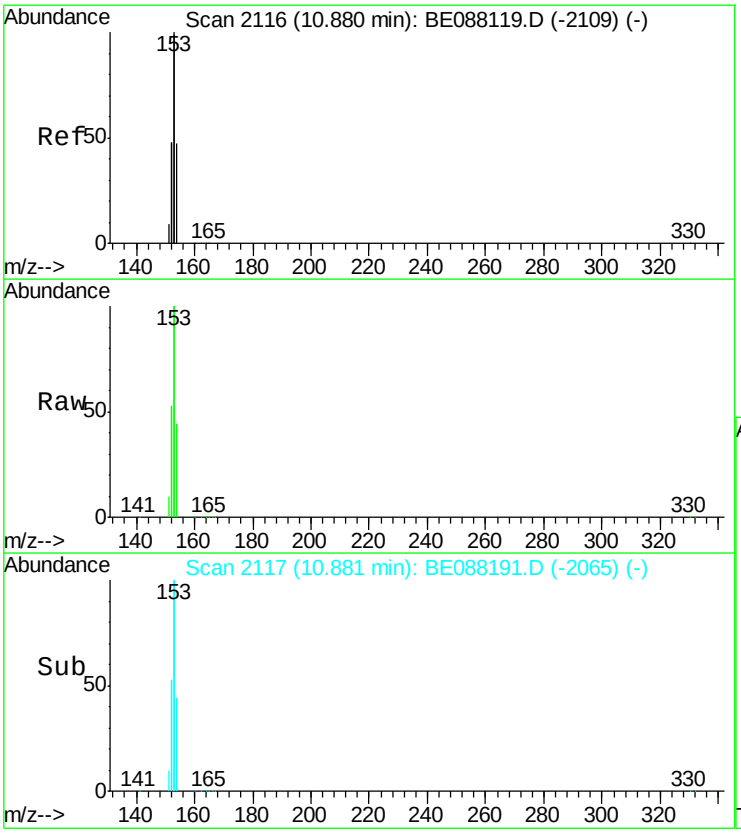
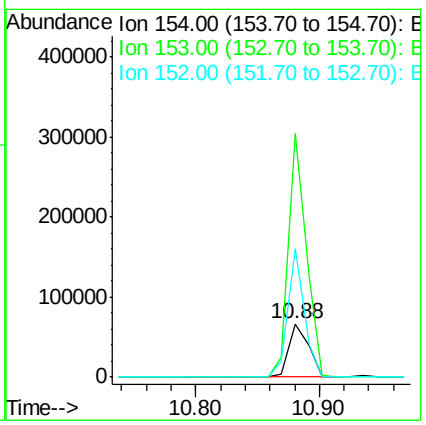
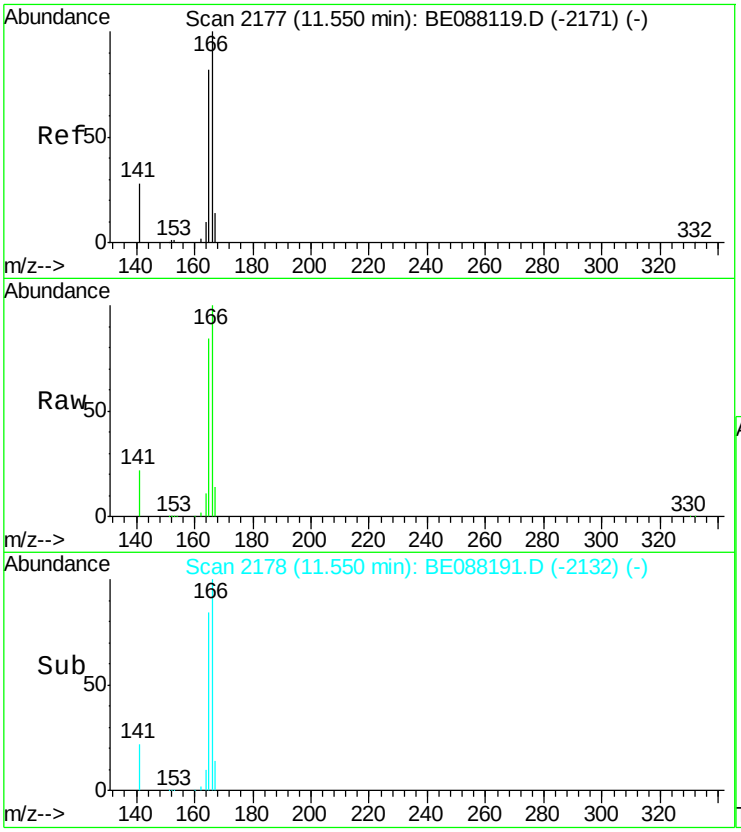


#10
Acenaphthene
Concen: 5.13 ng
RT: 10.88 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:154 Resp: 73267

Ion	Ratio	Lower	Upper
154	100		
153	410.1	327.8	491.6
152	198.0	157.6	236.4

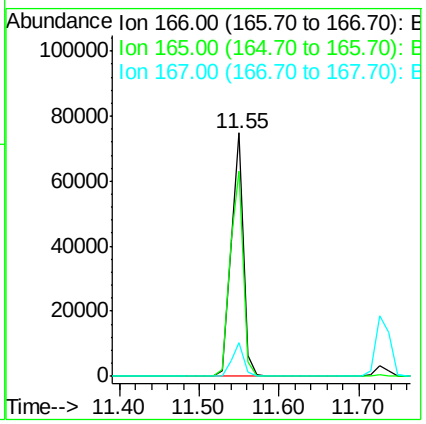




#11
Fluorene
Concen: 5.43 ng
RT: 11.55 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:166 Resp: 82120

Ion	Ratio	Lower	Upper
166	100		
165	89.9	71.4	107.2
167	13.5	10.6	16.0



Instrument :
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ClientSampleId :
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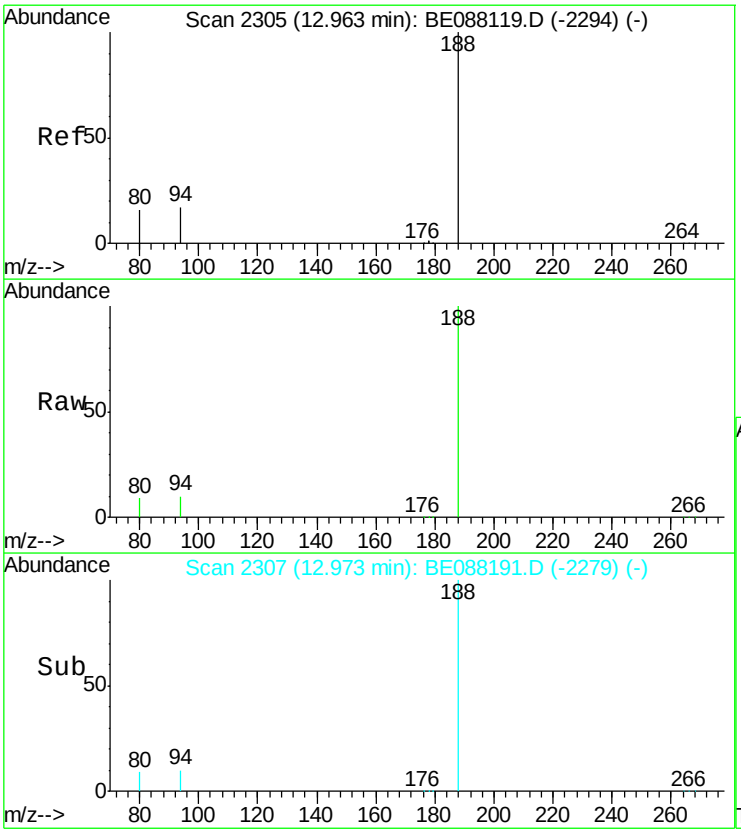
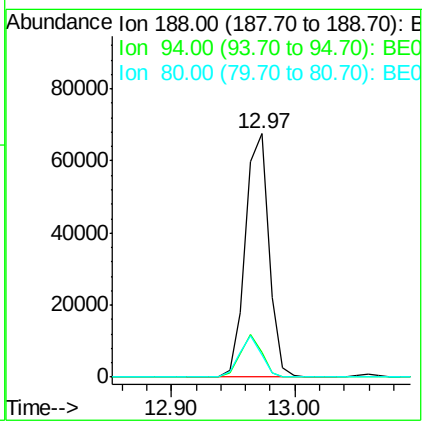
10/28/2014 12:07:00 PM

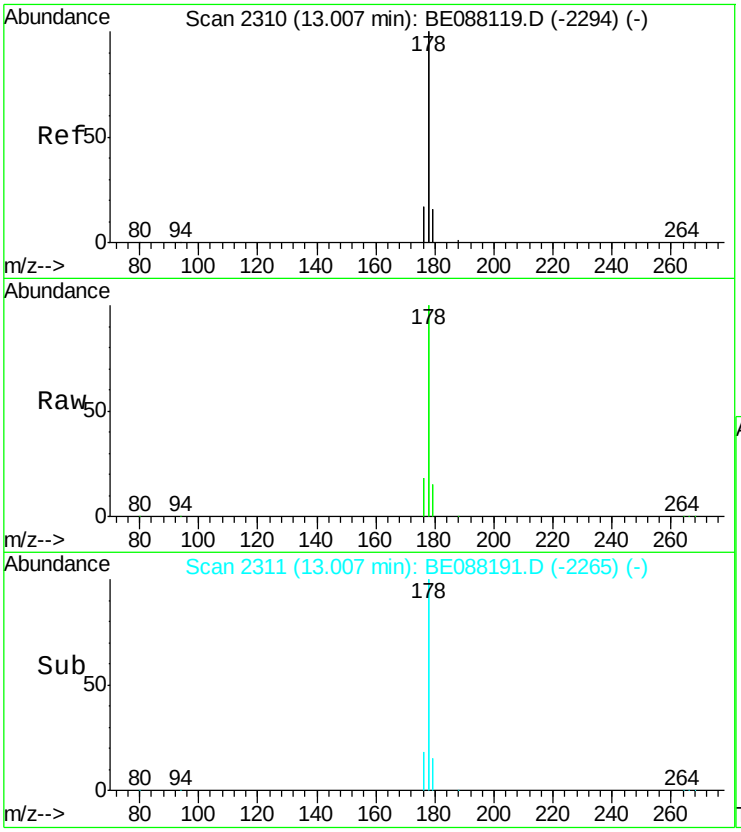


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:188 Resp: 89489

Ion	Ratio	Lower	Upper
188	100		
94	10.4	13.9	20.9#
80	9.0	12.9	19.3#

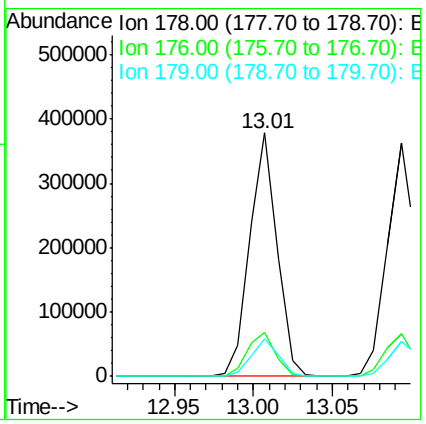




#13
Phenanthrene
Concen: 7.03 ng m
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:178 Resp: 457681

Ion	Ratio	Lower	Upper
178	100		
176	18.0	12.5	18.7
179	14.8	13.5	20.3



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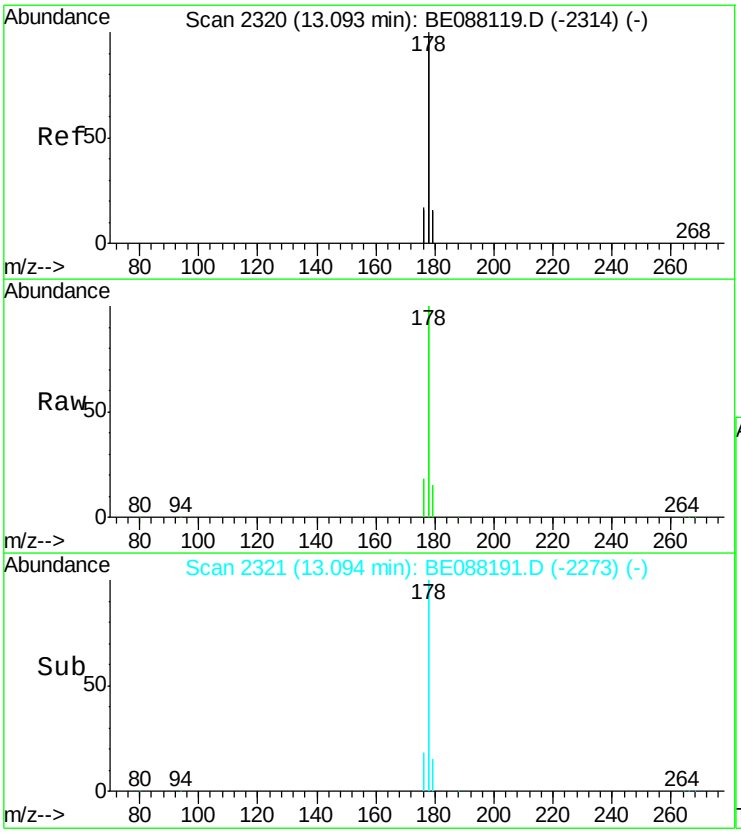
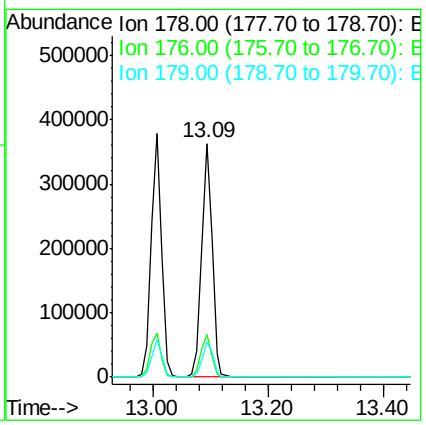
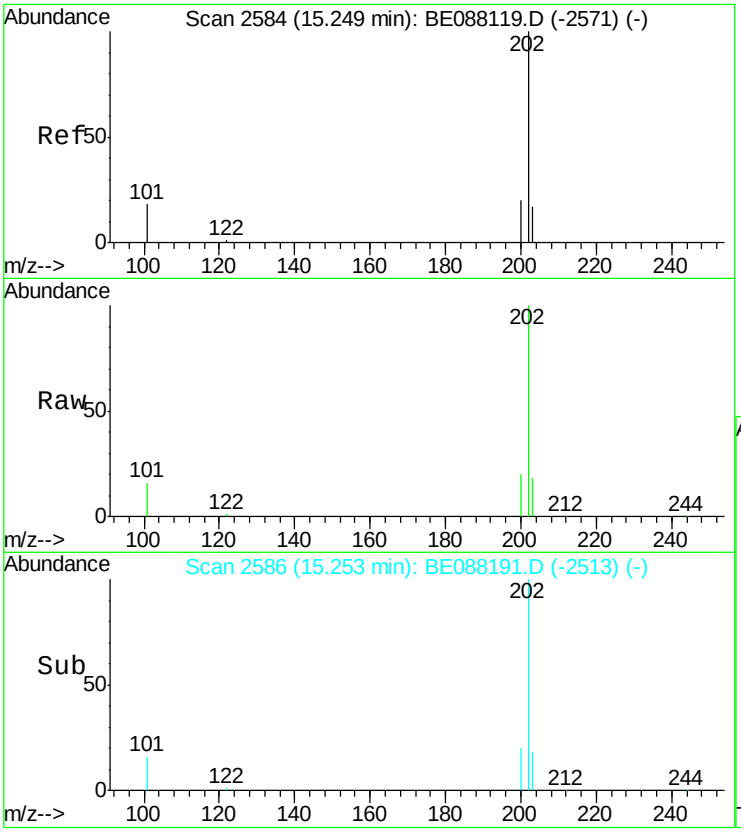


#14
Anthracene
Concen: 6.52 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:178 Resp: 455002

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	14.9	12.5	18.7

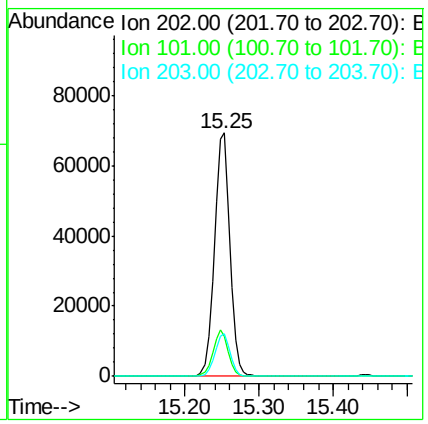




#15
Fluoranthene
Concen: 5.98 ng
RT: 15.25 min Scan# 2586
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:202 Resp: 101842

Ion	Ratio	Lower	Upper
202	100		
101	18.2	14.8	22.2
203	17.3	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

Manual Integrations APPROVED
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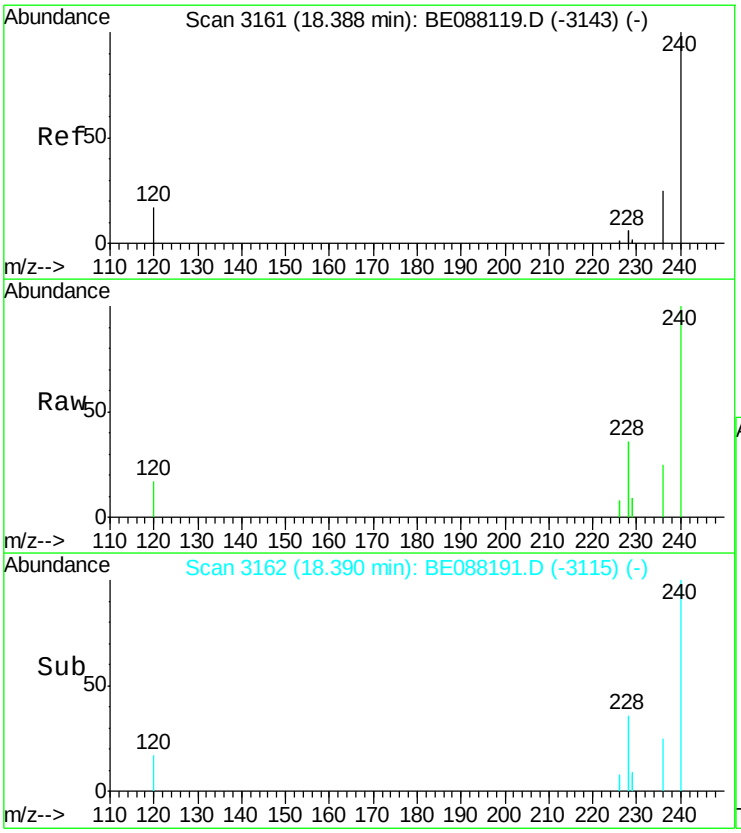
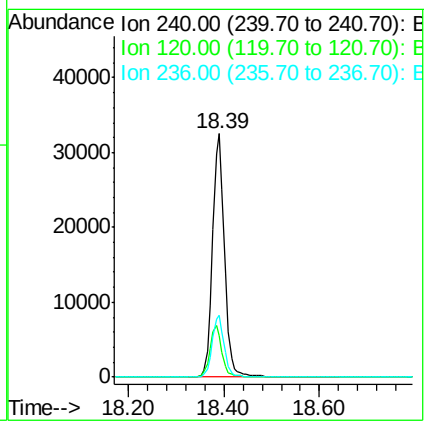
10/28/2014 12:07:00 PM

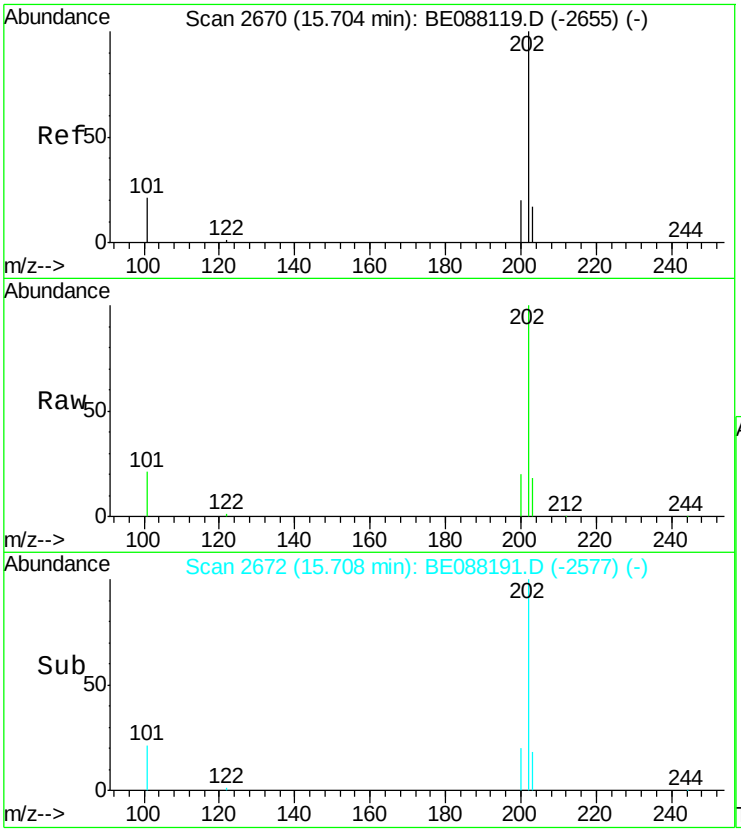


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:240 Resp: 56579

Ion	Ratio	Lower	Upper
240	100		
120	17.2	13.9	20.9
236	25.3	19.9	29.9





#17
Pyrene
Concen: 6.69 ng
RT: 15.71 min Scan# 2672
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:202 Resp: 102841

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.9	13.9	20.9

Instrument :
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ClientSampleId :
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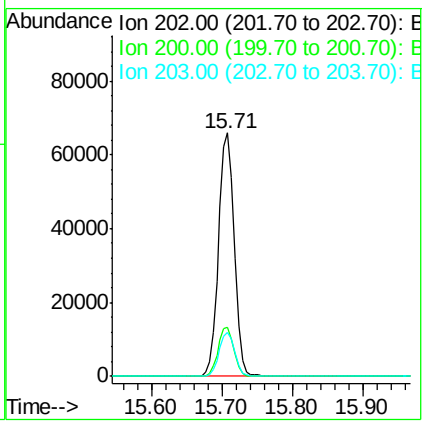
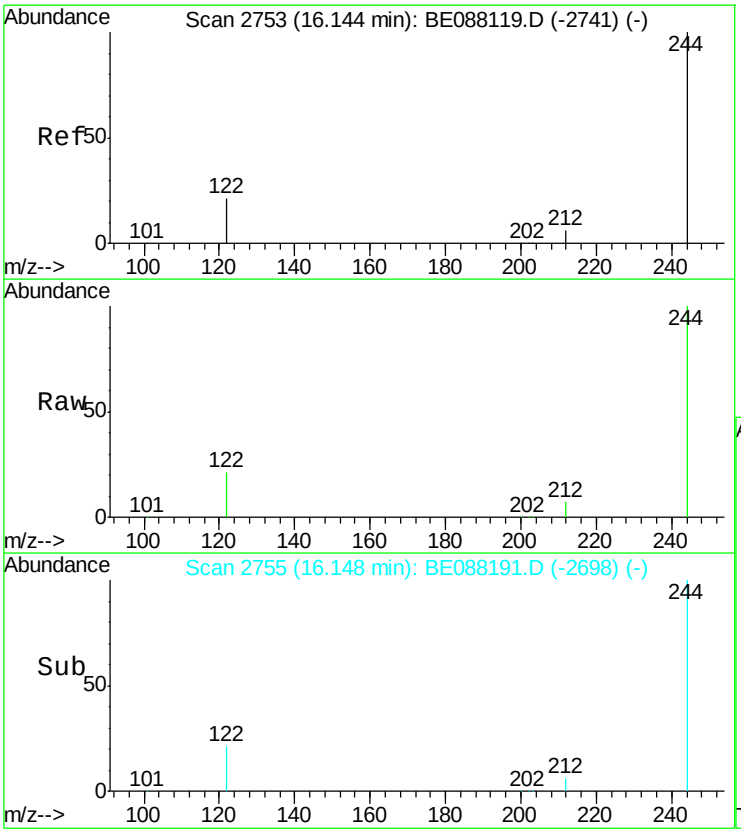
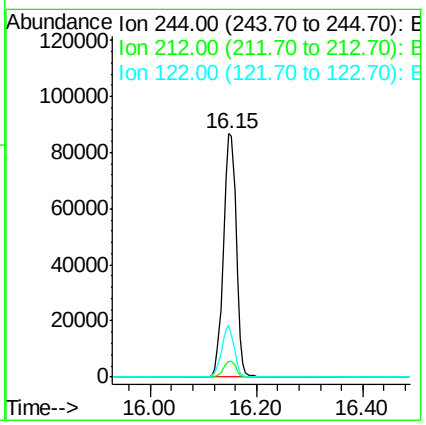


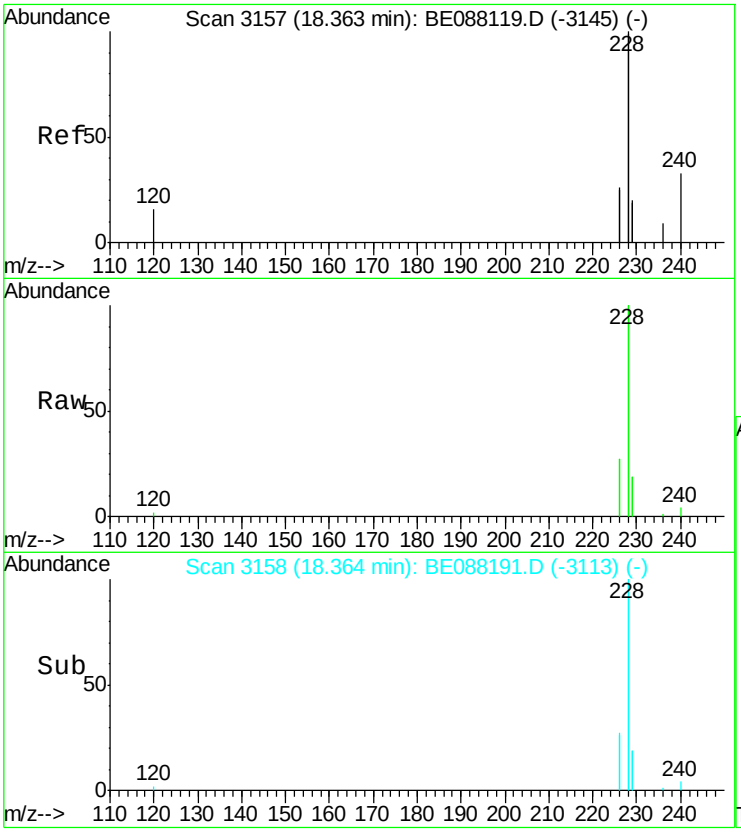


#18
Terphenyl-d14
Concen: 15.85 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:244 Resp: 144349

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	21.2	17.5	26.3

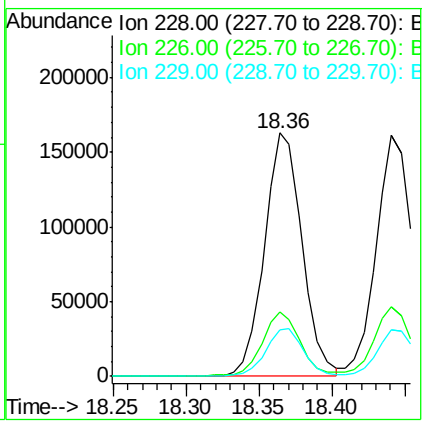




#19
Benzo(a)anthracene
Concen: 5.78 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:228 Resp: 291055

Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.8	31.2
229	19.3	15.6	23.4



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

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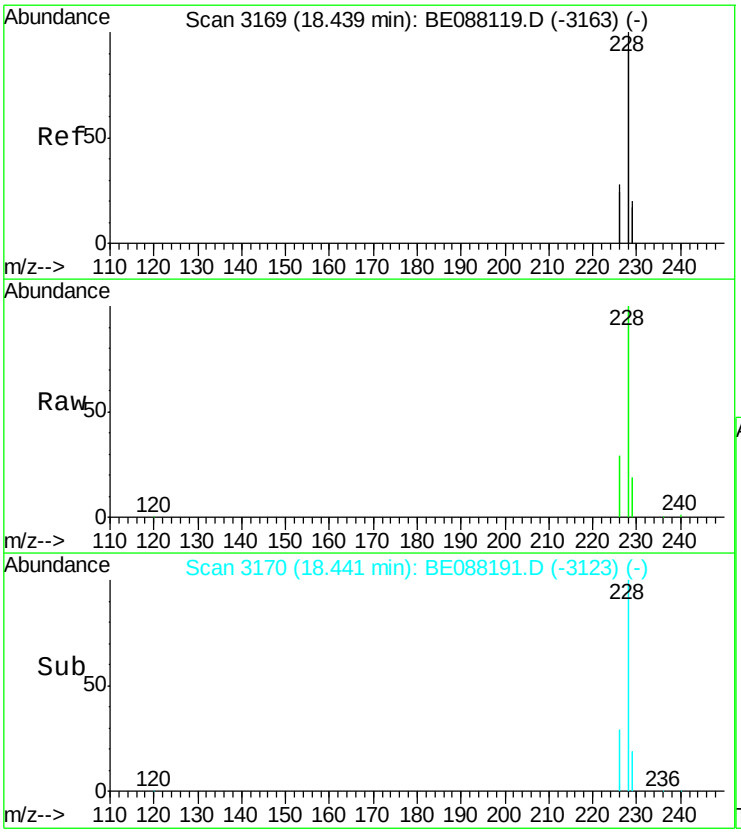
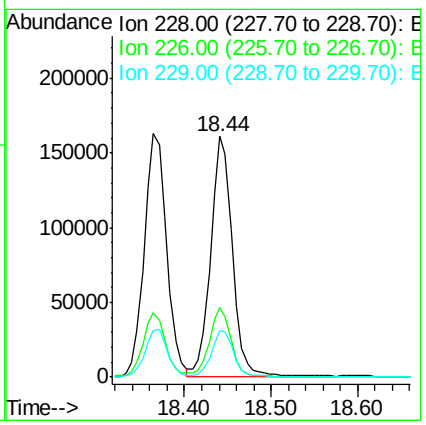
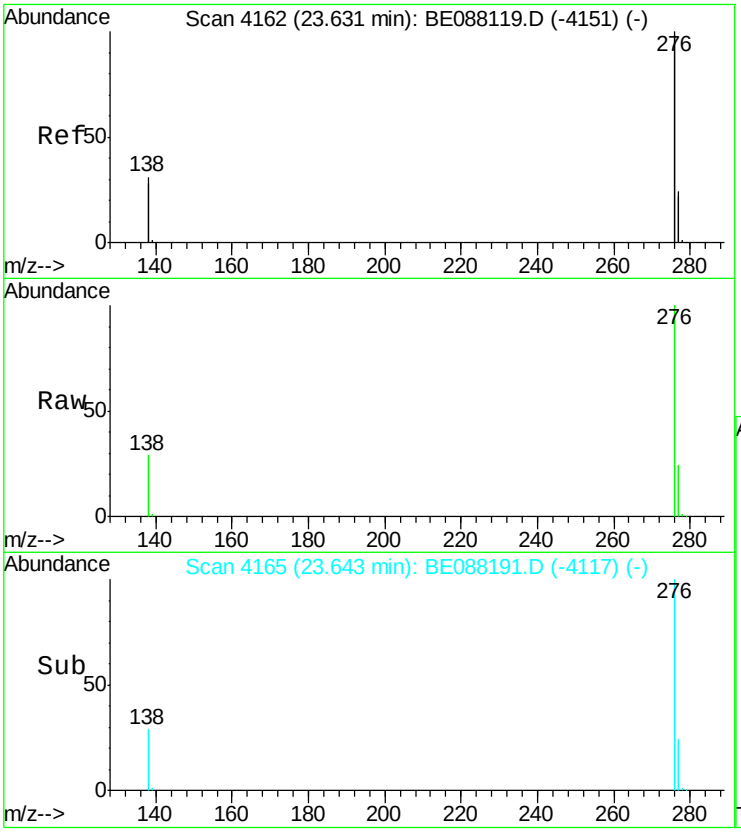


#20
Chrysene
Concen: 5.69 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:228 Resp: 281007

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.7	34.1
229	19.3	15.8	23.6

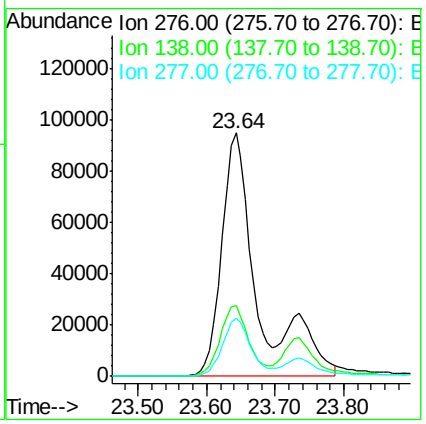




#21
Indeno(1,2,3-cd)pyrene
Concen: 6.34 ng m
RT: 23.64 min Scan# 4165
Delta R.T. 0.01 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:276 Resp: 347501

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.5	27.7
277	18.6	14.6	21.8



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

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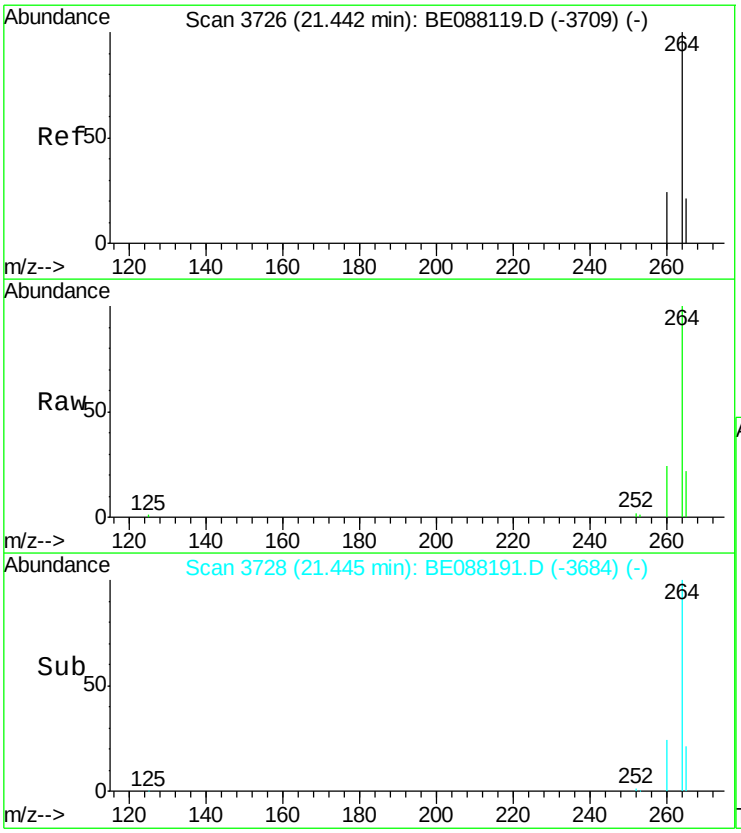
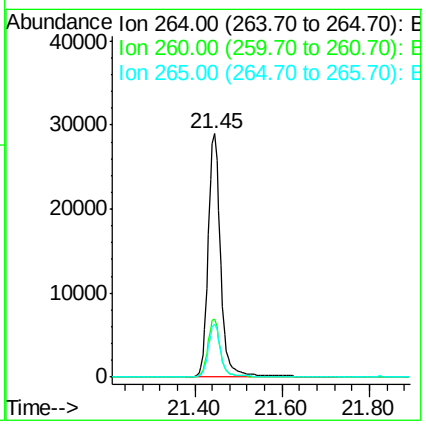
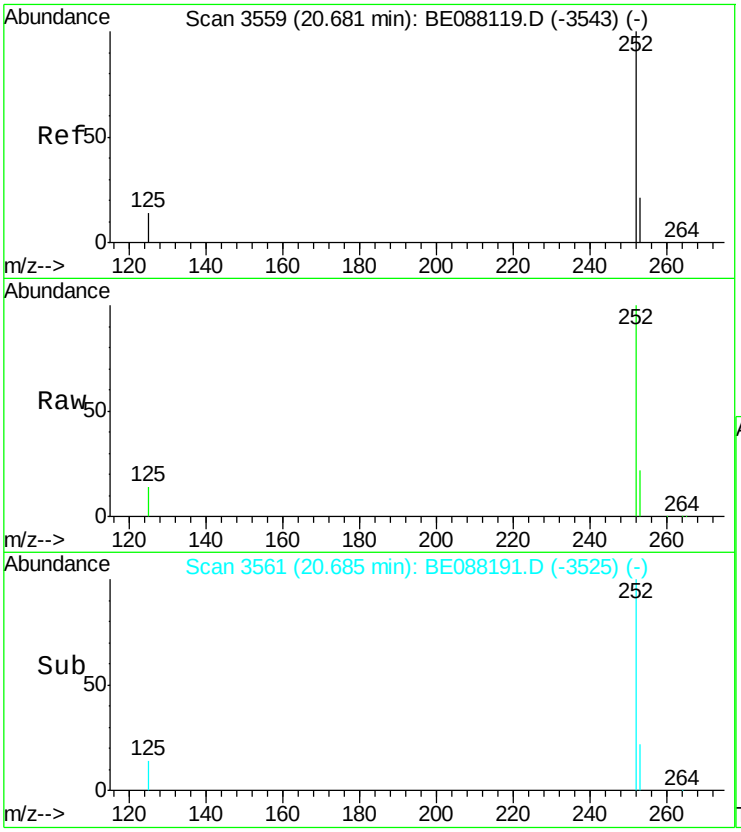


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3728
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:264 Resp: 56283

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.6	17.2	25.8

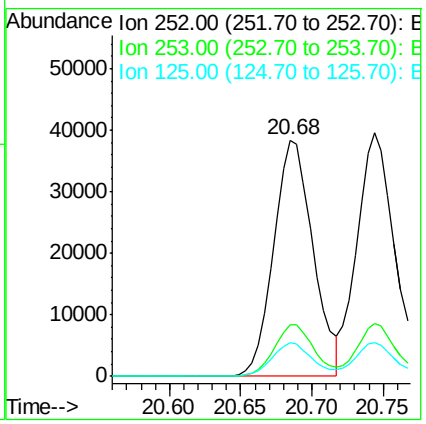




#23
Benzo(b)fluoranthene
Concen: 5.45 ng
RT: 20.68 min Scan# 3561
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:252 Resp: 73001

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	14.2	11.8	17.8



Instrument :
BNA_E
ClientSampleId :
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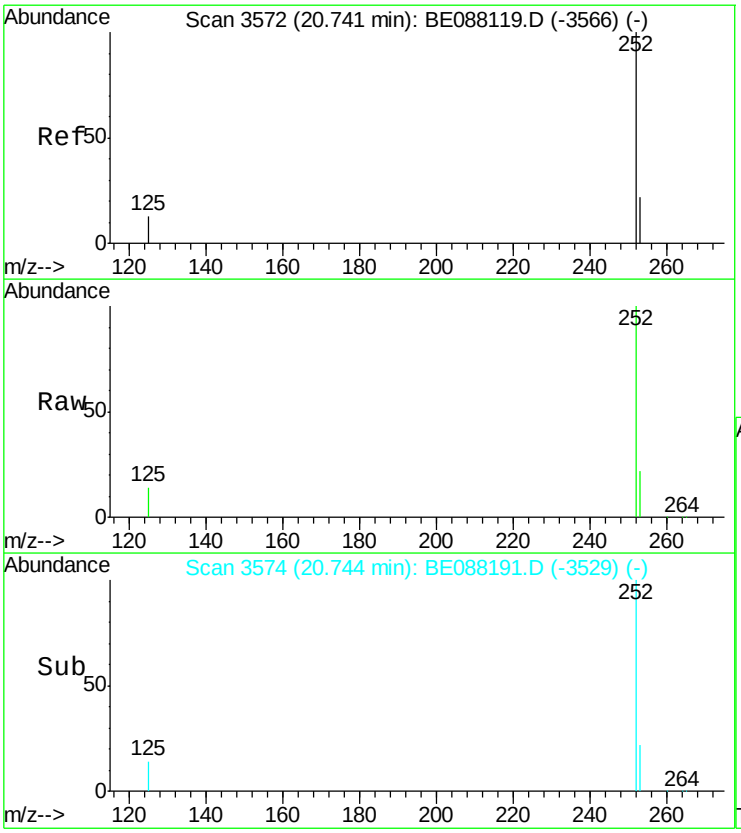
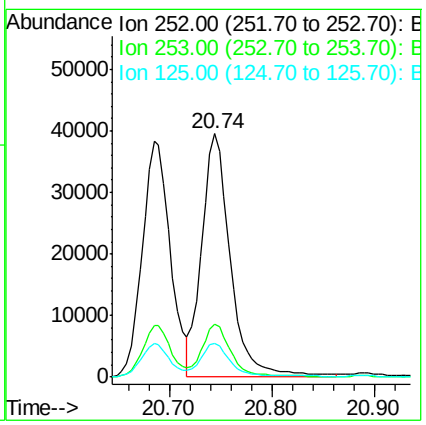
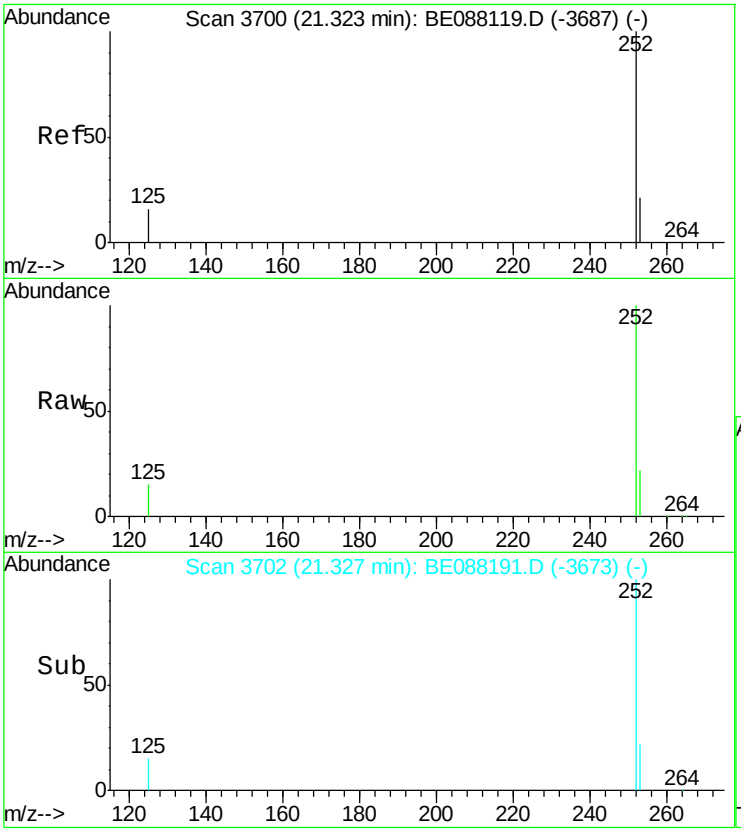


#24
Benzo(k)fluoranthene
Concen: 5.35 ng
RT: 20.74 min Scan# 3574
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:252 Resp: 76740

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	14.1	11.5	17.3





#25
Benzo(a)pyrene
Concen: 5.86 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:252 Resp: 72353

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.4	13.0	19.6

Instrument :
BNA_E
ClientSampleId :
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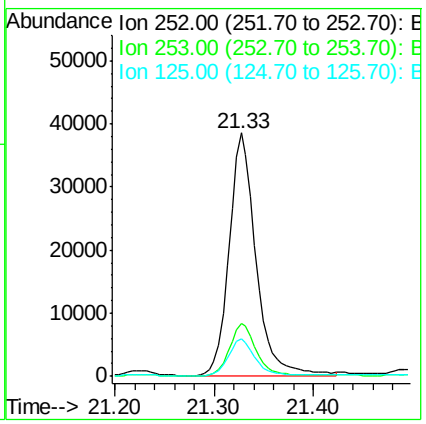
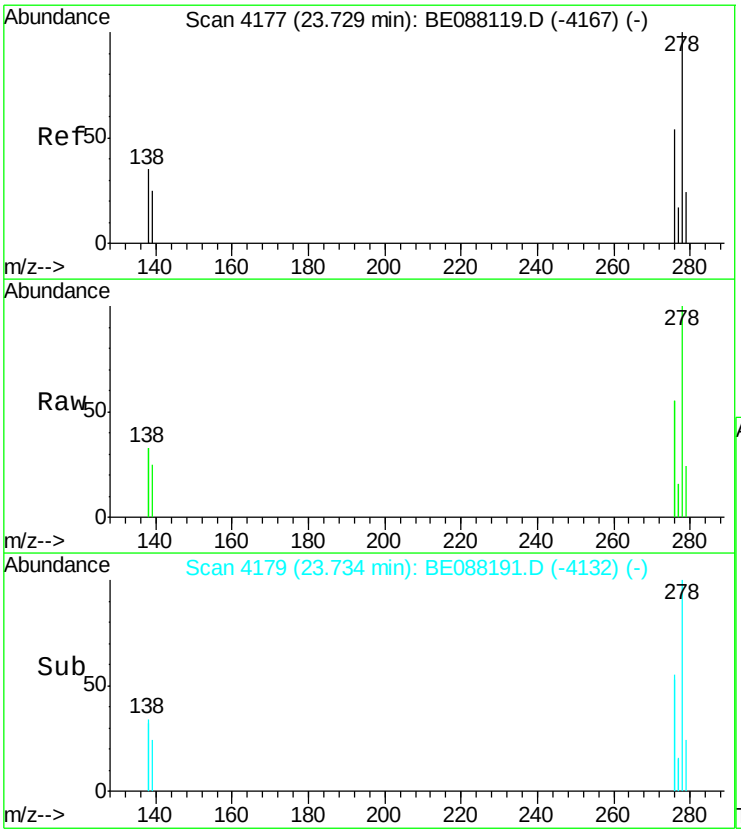
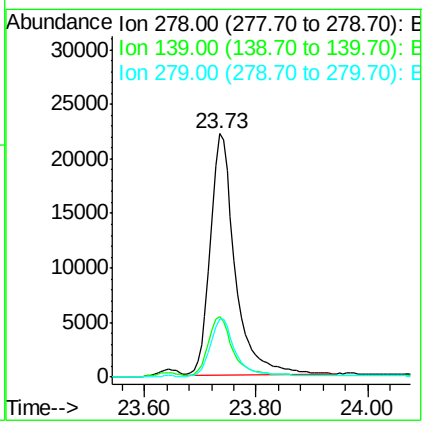


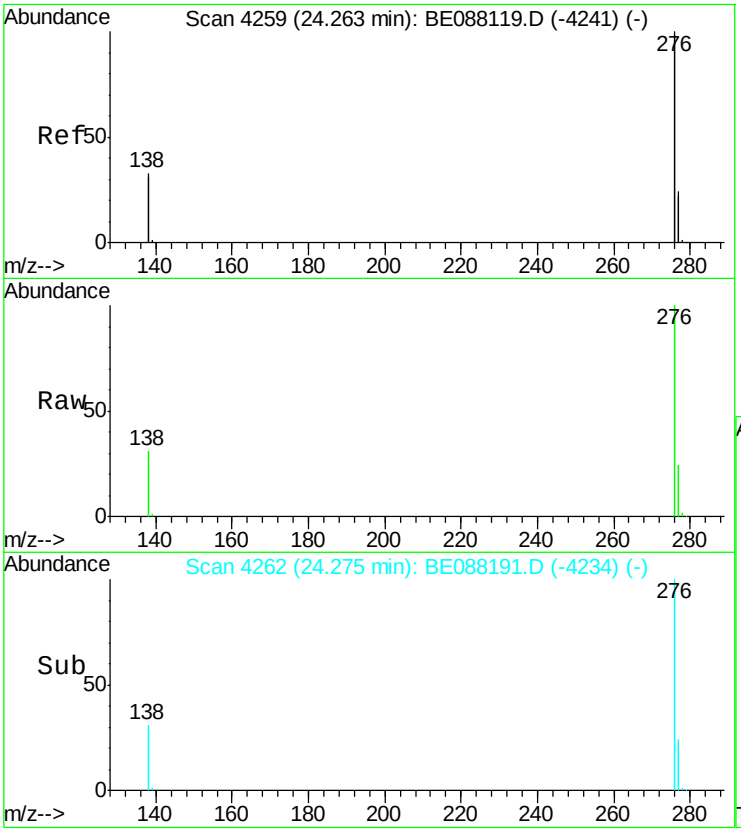


#26
Dibenzo(a,h)anthracene
Concen: 5.64 ng
RT: 23.73 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:278 Resp: 68208

Ion	Ratio	Lower	Upper
278	100		
139	24.8	20.9	31.3
279	24.0	19.8	29.8

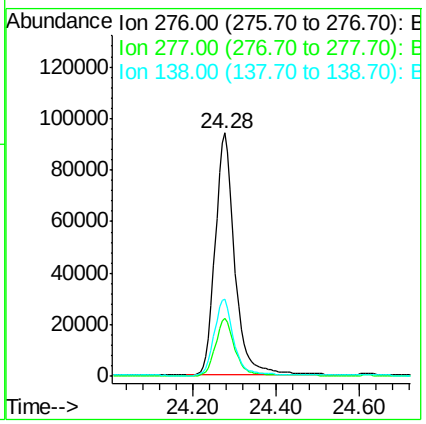




#27
Benzo(g,h,i)perylene
Concen: 5.78 ng
RT: 24.28 min Scan# 4262
Delta R.T. 0.01 min
Lab File: BE088191.D
Acq: 22 Oct 2014 20:28

Tgt Ion:276 Resp: 309323

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	31.5	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MS

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