Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088154.D
Acq On : 21 Oct 2014 21:55
Operator : TP/JJ
Sample : F4351-15MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
mohammad
10/22/2014 1:53:59 PM

Quant Time: Oct 22 05:02:44 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	25830	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	104557	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	54314	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	105144	5.00	ng	0.00
16) Chrysene-d12	18.39	240	67155	5.00	ng	0.00
22) Perylene-d12	21.44	264	55988	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	40757	5.41	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	88084	5.87	ng	0.00
18) Terphenyl-d14	16.15	244	99569	9.21	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.30	88	6504	1.75	ng	# 86
5) Naphthalene	8.72	128	109273	5.07	ng	99
6) 2-Methylnaphthalene	9.57	142	80470	6.24	ng	95
9) Acenaphthylene	10.67	152	498633	6.03	ng	100
10) Acenaphthene	10.88	154	75208	5.89	ng	99
11) Fluorene	11.55	166	93322	6.89	ng	99
13) Phenanthrene	13.01	178	593884	7.79	ng	95
14) Anthracene	13.09	178	601942	7.34	ng	99
15) Fluoranthene	15.25	202	147198	7.36	ng	99
17) Pyrene	15.71	202	152866	8.37	ng	99
19) Benzo(a)anthracene	18.37	228	481450	8.06	ng	98
20) Chrysene	18.44	228	460651	7.86	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	446661m	6.86	ng	
23) Benzo(b)fluoranthene	20.69	252	107359	8.06	ng	100
24) Benzo(k)fluoranthene	20.75	252	115634	8.10	ng	99
25) Benzo(a)pyrene	21.33	252	102176	8.33	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	91655	7.61	ng	98
27) Benzo(g,h,i)perylene	24.28	276	400856	7.53	ng	98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088154.D
Acq On : 21 Oct 2014 21:55
Operator : TP/JJ
Sample : F4351-15MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 22 05:02:44 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

Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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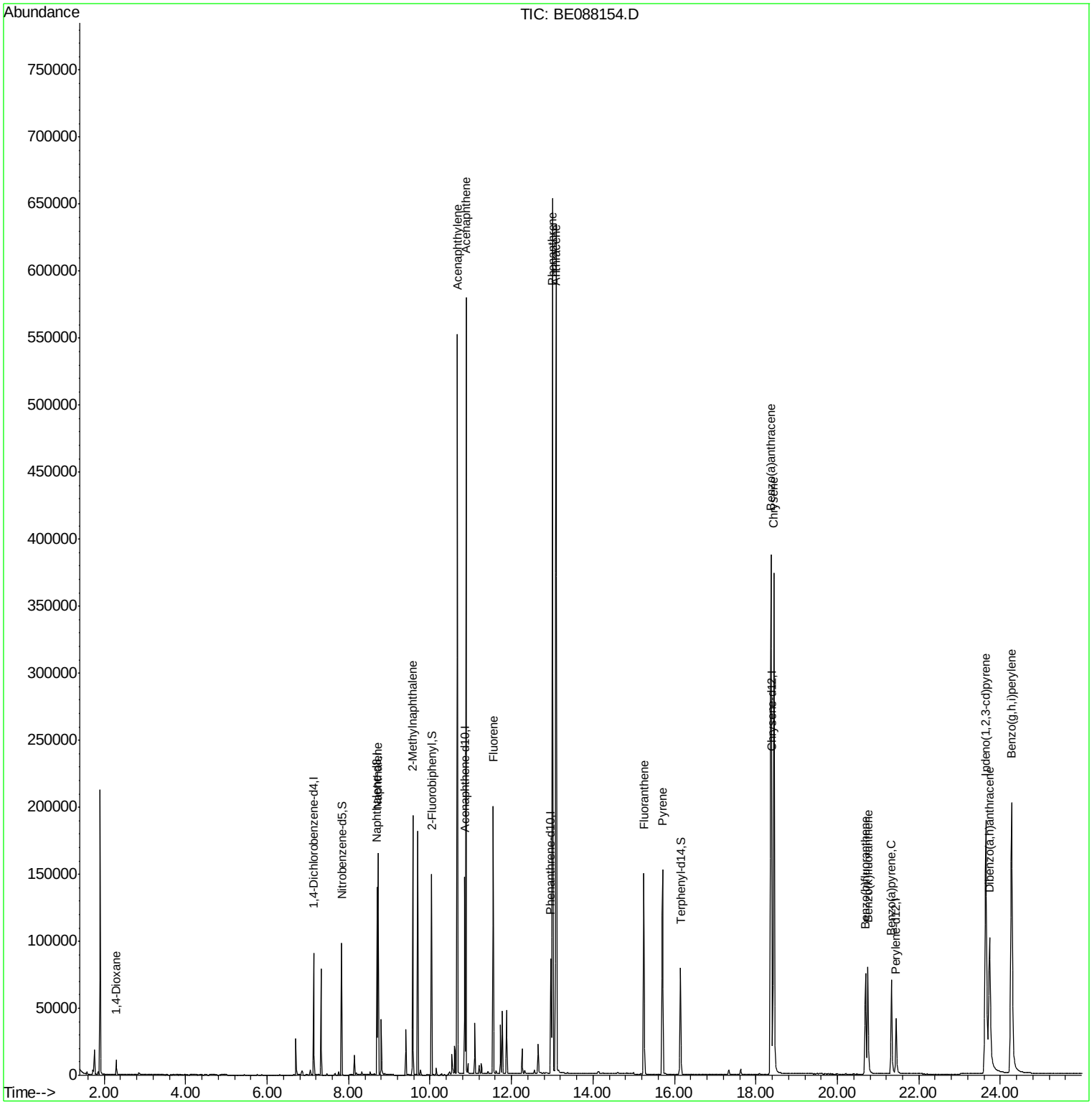
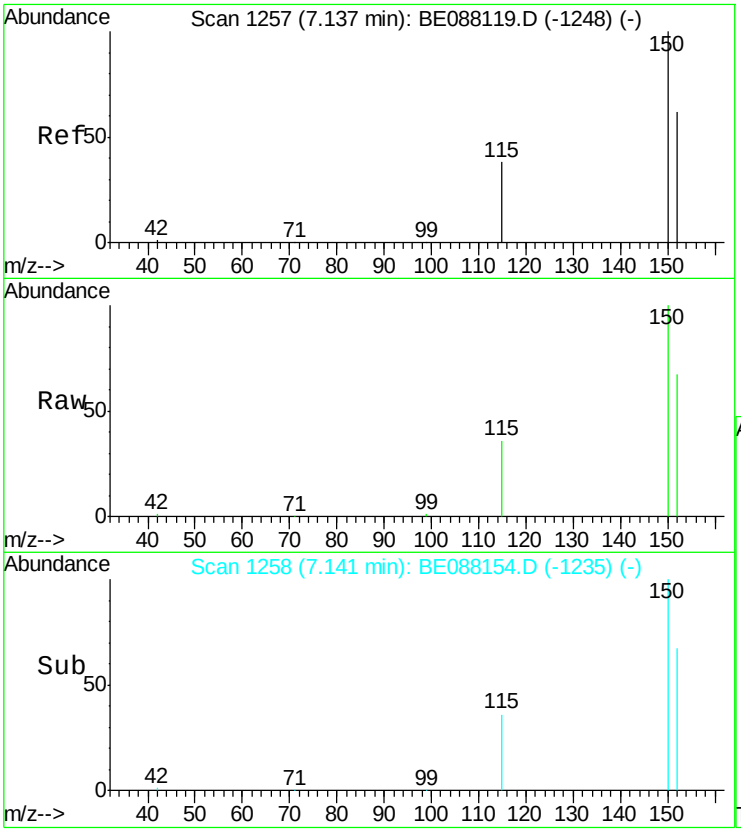
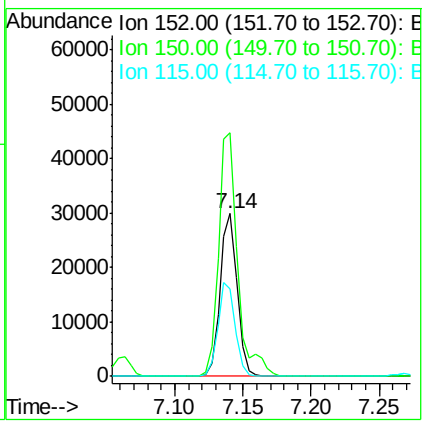




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:152 Resp: 25830

Ion	Ratio	Lower	Upper
152	100		
150	149.5	129.2	193.8
115	53.7	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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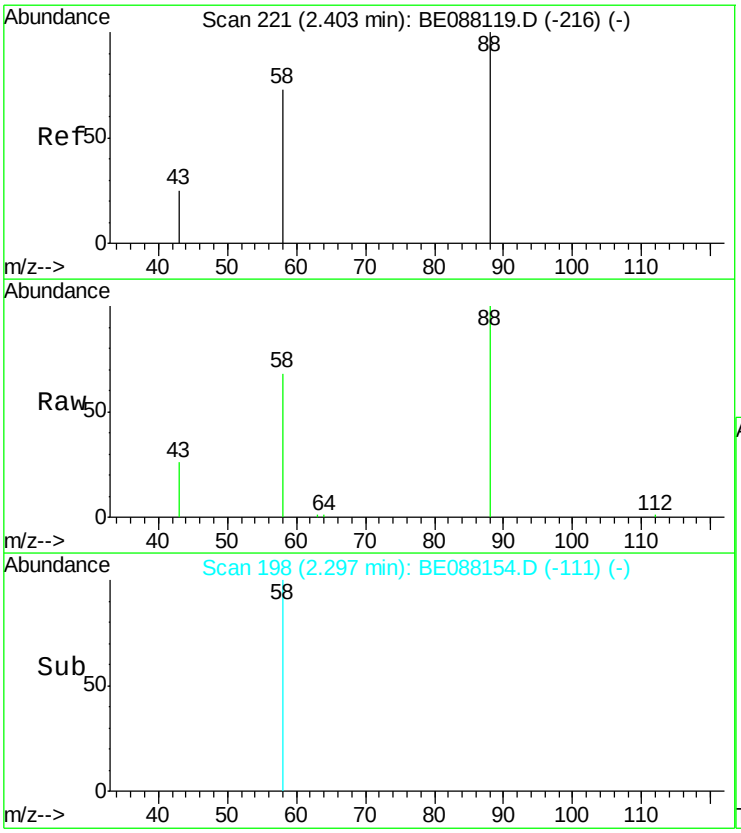
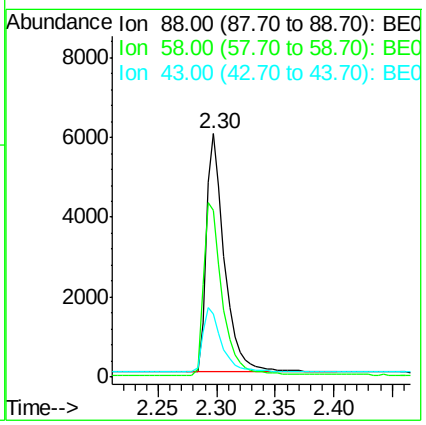
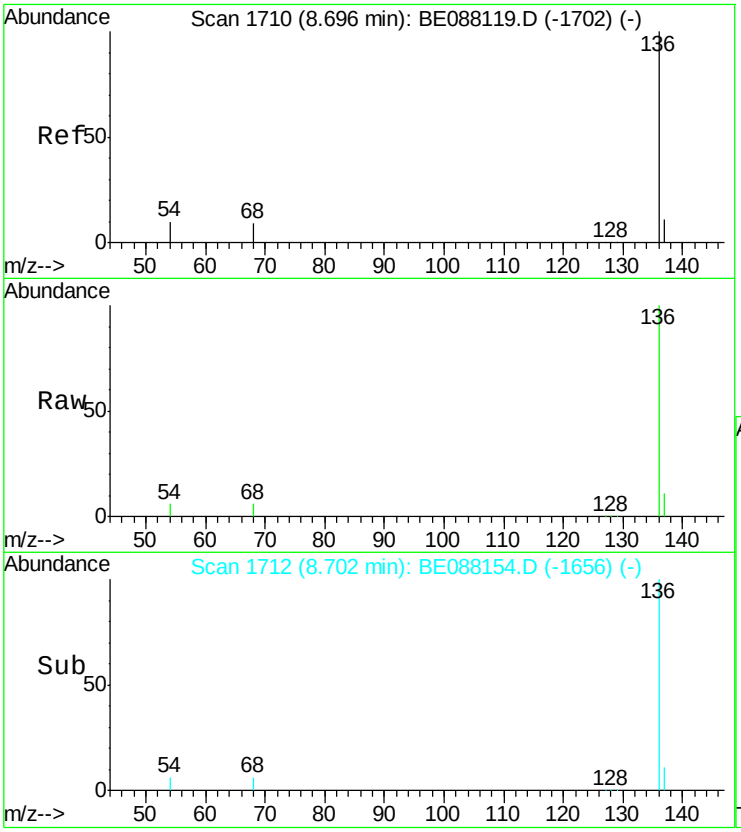


#2
1,4-Dioxane
Concen: 1.75 ng
RT: 2.30 min Scan# 198
Delta R.T. -0.11 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion: 88 Resp: 6504

Ion	Ratio	Lower	Upper
88	100		
58	74.9	59.5	89.3
43	0.0	21.2	31.8#

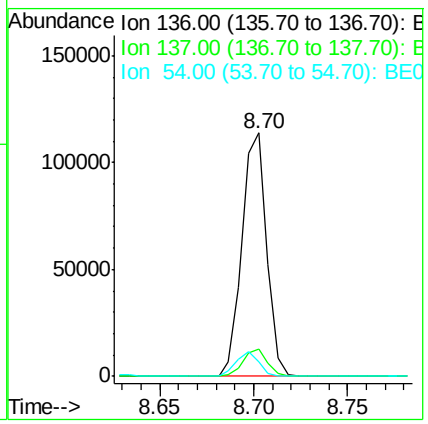




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:136 Resp: 104557

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	6.0	7.7	11.5#



Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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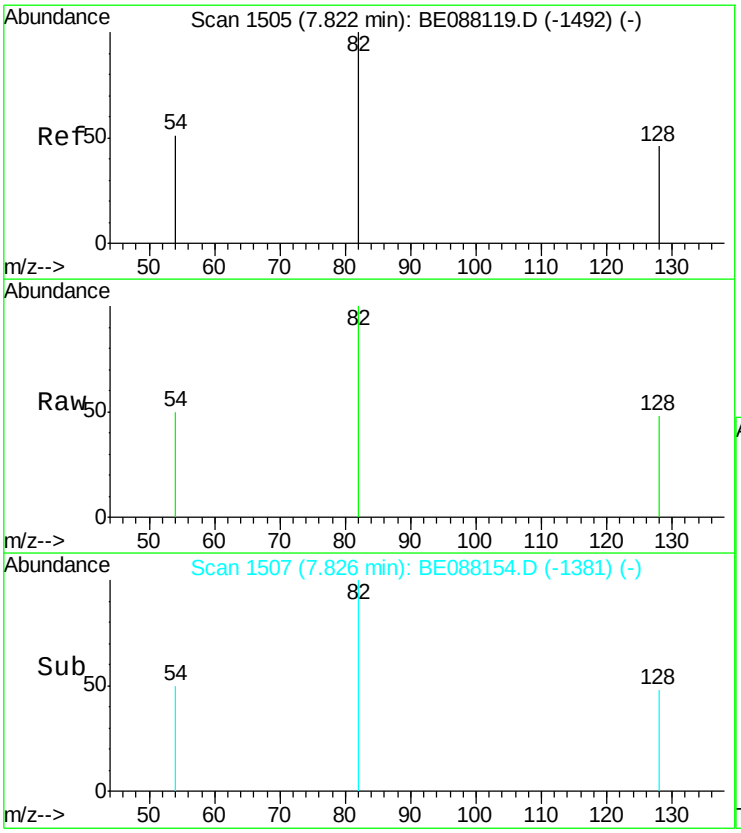
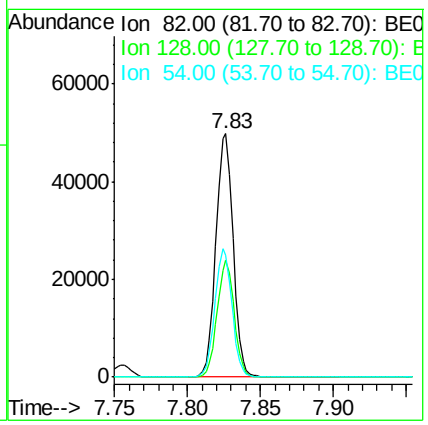
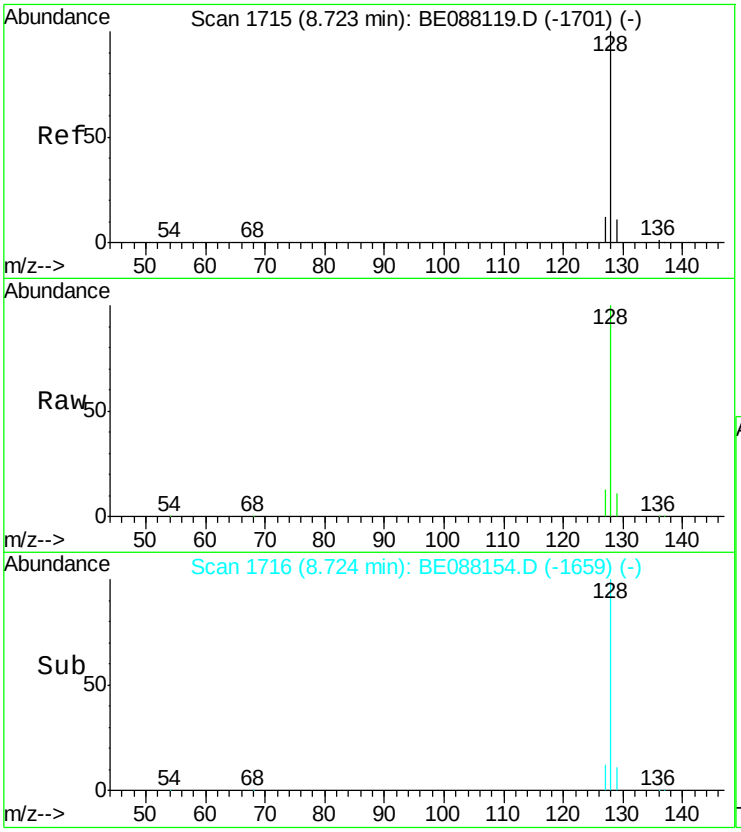


#4
Nitrobenzene-d5
Concen: 5.41 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion: 82 Resp: 40757

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.1	55.7
54	50.3	41.1	61.7

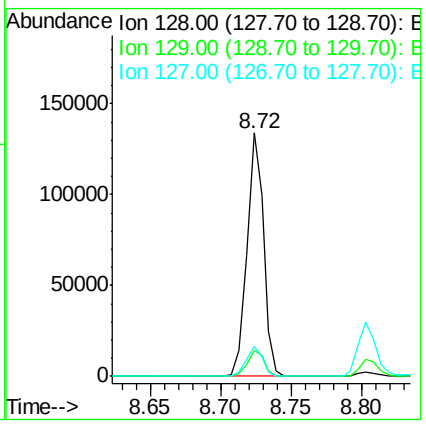




#5
Naphthalene
Concen: 5.07 ng
RT: 8.72 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:128 Resp: 109273

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.5	9.7	14.5



Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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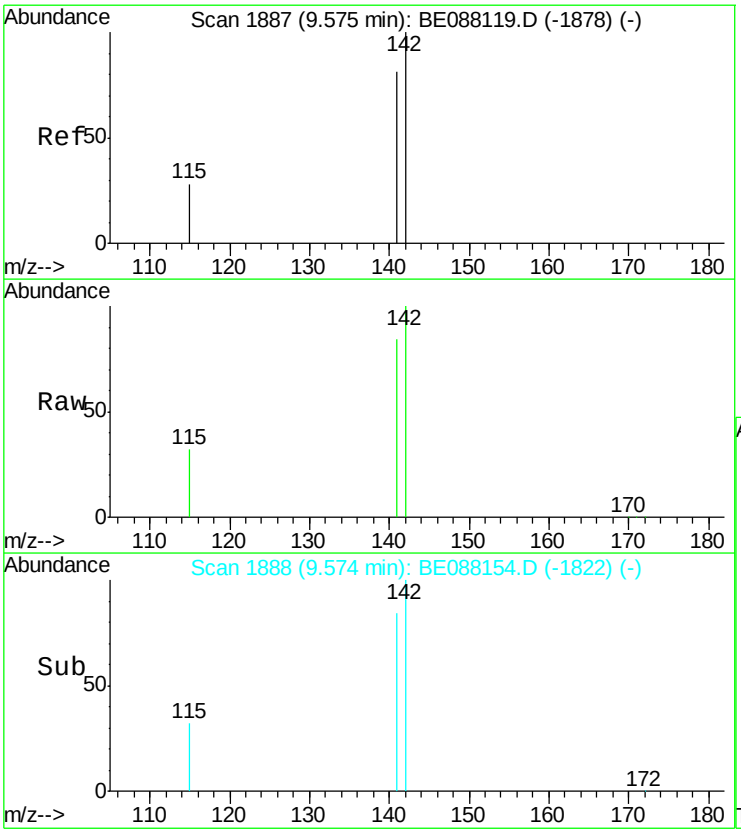
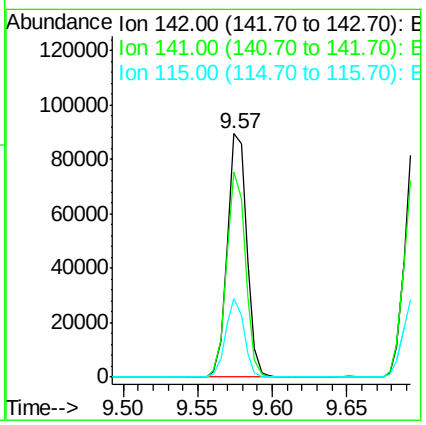
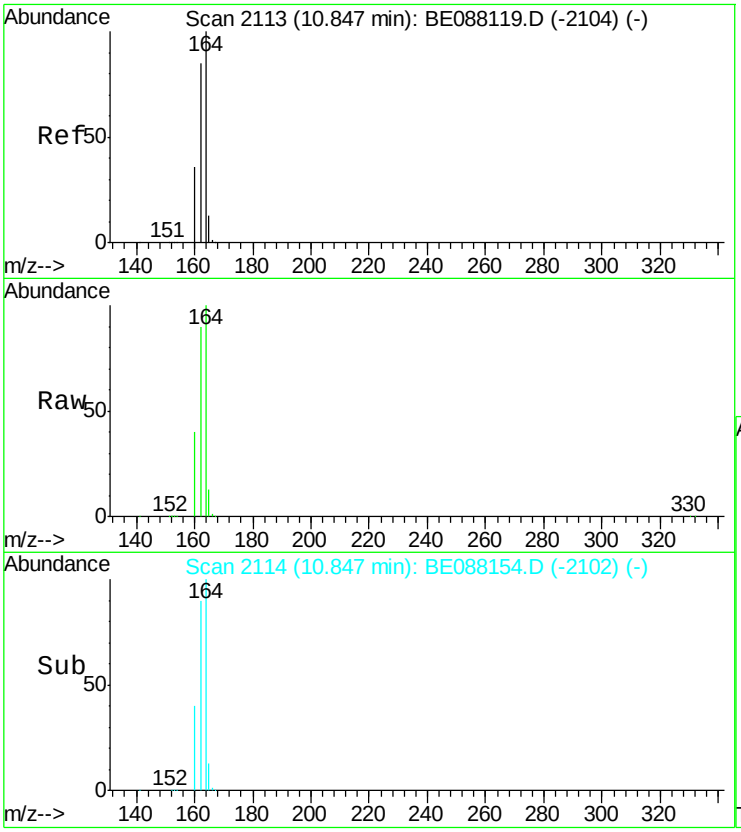


#6
2-Methylnaphthalene
Concen: 6.24 ng
RT: 9.57 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:142 Resp: 80470

Ion	Ratio	Lower	Upper
142	100		
141	84.2	64.6	97.0
115	32.3	22.6	34.0

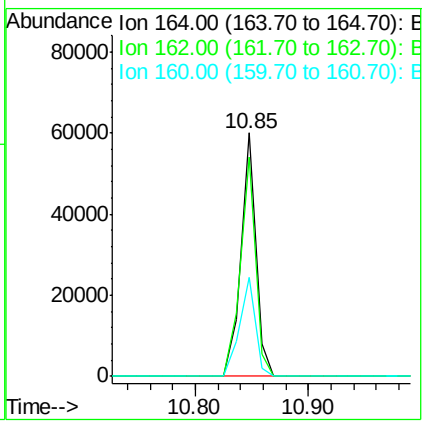




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:164 Resp: 54314

Ion	Ratio	Lower	Upper
164	100		
162	90.0	68.3	102.5
160	40.4	28.7	43.1



Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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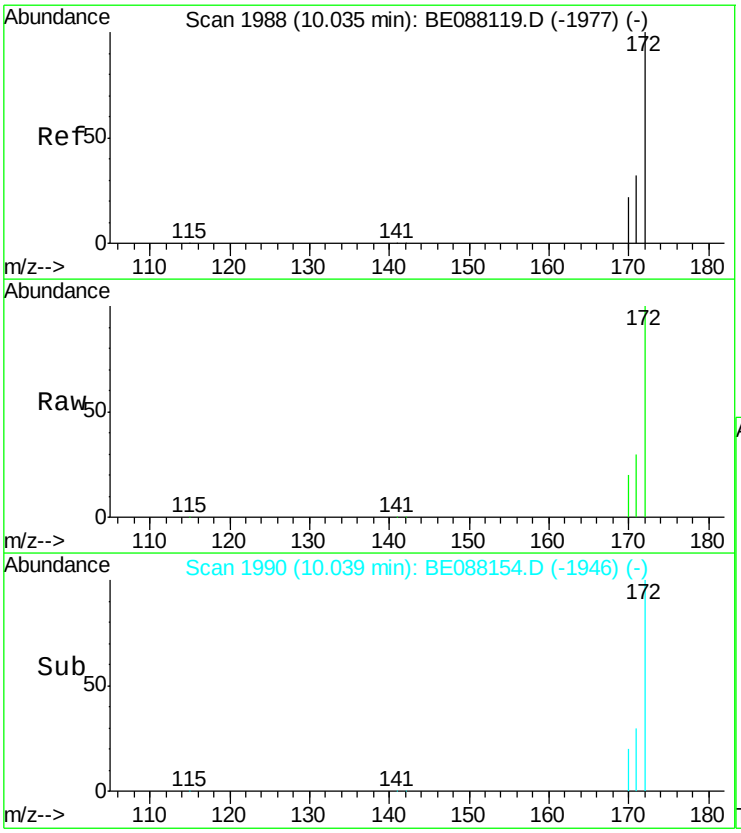
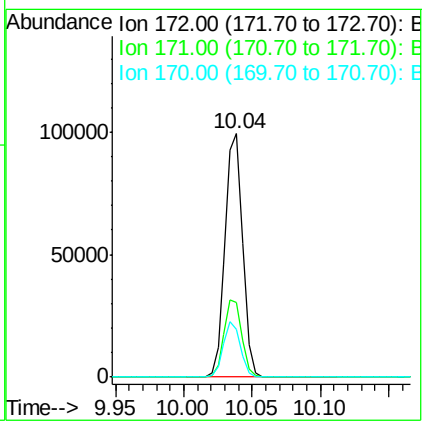
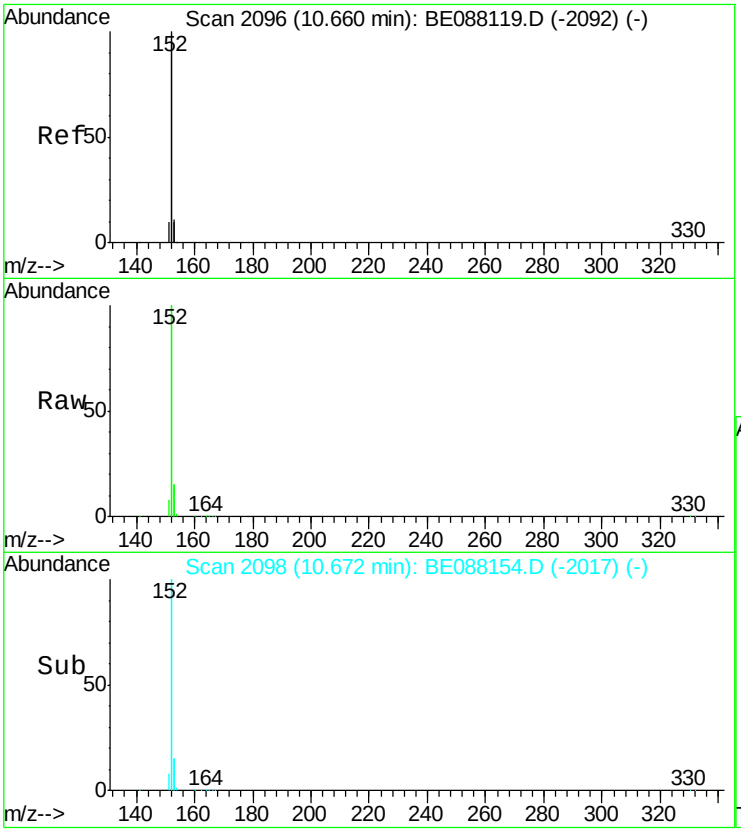


#8
2-Fluorobiphenyl
Concen: 5.87 ng
RT: 10.04 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:172 Resp: 88084

Ion	Ratio	Lower	Upper
172	100		
171	30.5	25.4	38.2
170	19.7	17.4	26.2





#9
Acenaphthylene
Concen: 6.03 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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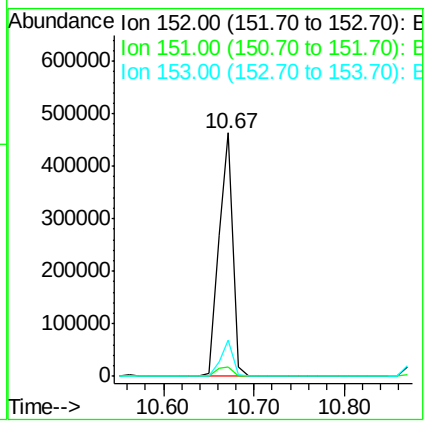
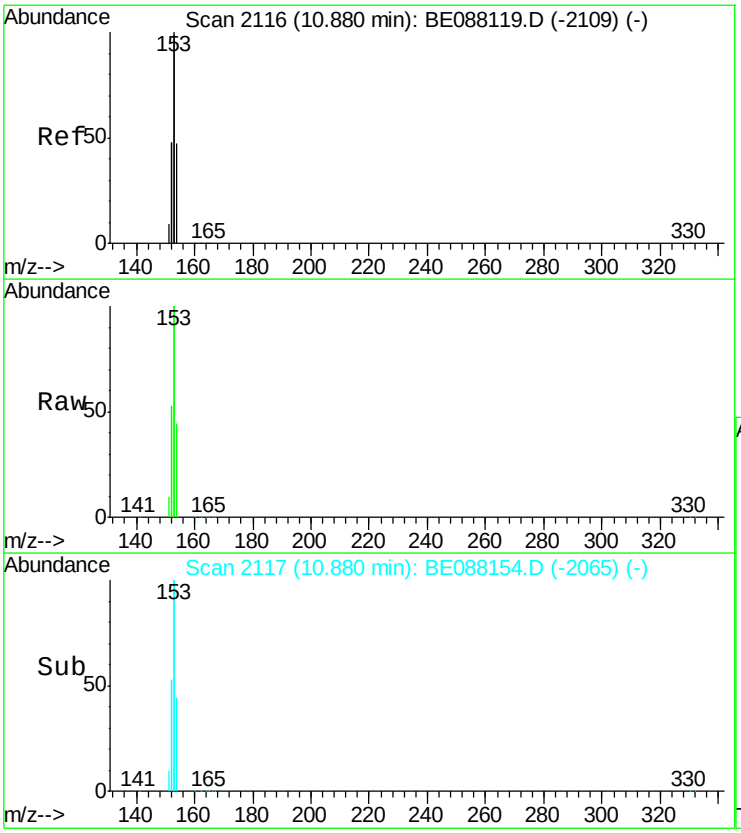
Tgt Ion:152 Resp: 498633

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.1	10.4	15.6

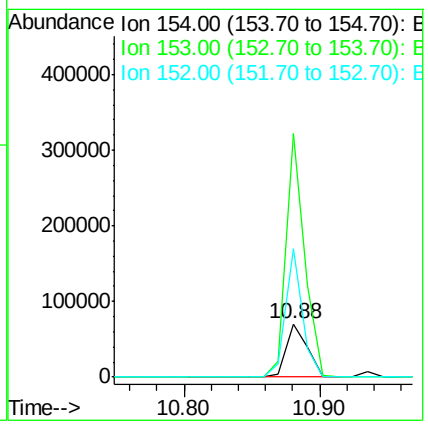


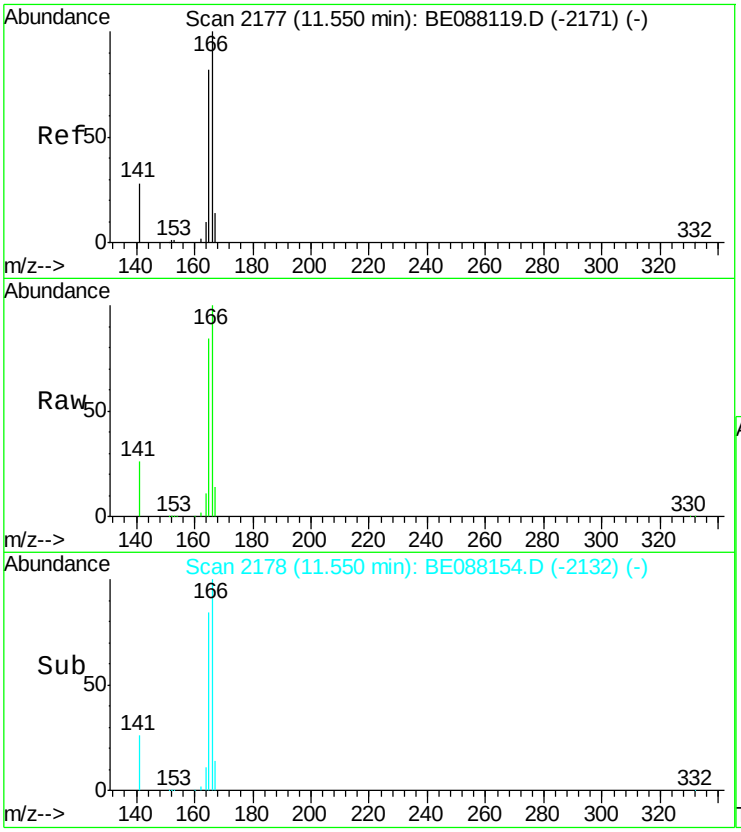


#10
Acenaphthene
Concen: 5.89 ng
RT: 10.88 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:154 Resp: 75208

Ion	Ratio	Lower	Upper
154	100		
153	407.7	327.8	491.6
152	198.6	157.6	236.4





#11
Fluorene
Concen: 6.89 ng
RT: 11.55 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:166 Resp: 93322

Ion	Ratio	Lower	Upper
166	100		
165	90.0	71.4	107.2
167	13.5	10.6	16.0

Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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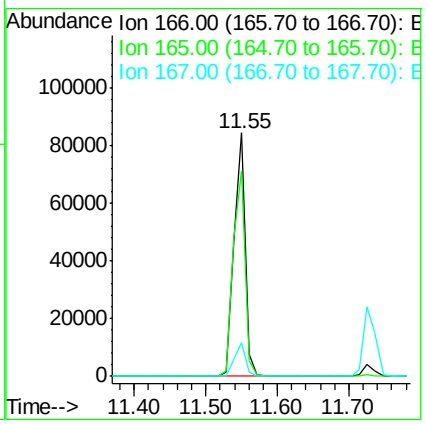
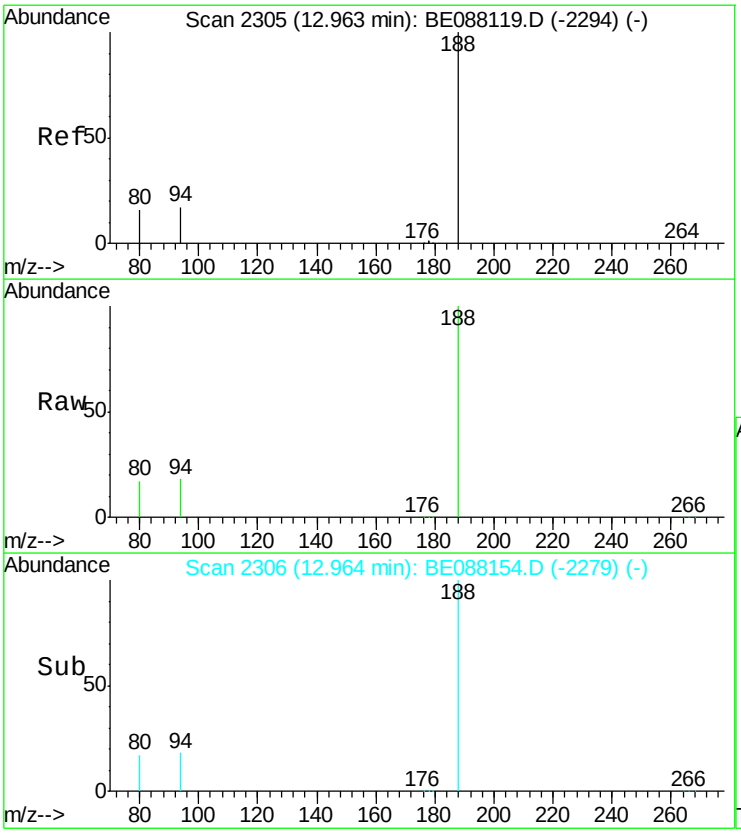
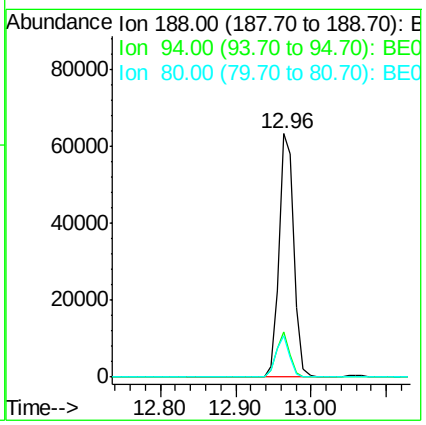


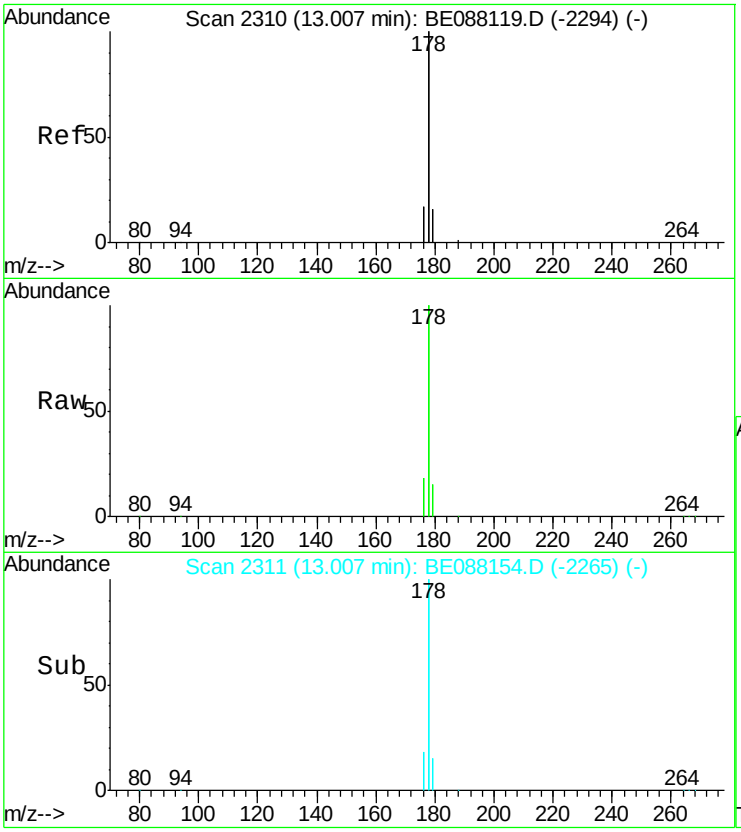


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:188 Resp: 105144

Ion	Ratio	Lower	Upper
188	100		
94	18.3	13.9	20.9
80	17.1	12.9	19.3

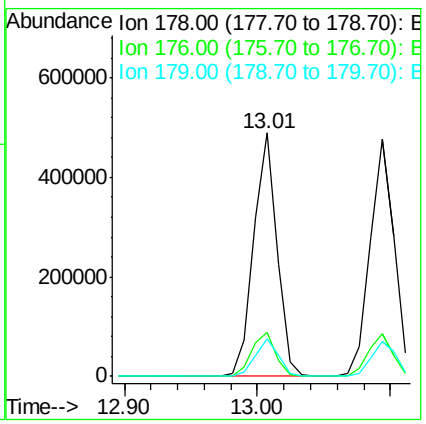




#13
Phenanthrene
Concen: 7.79 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:178 Resp: 593884

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.5	18.7
179	15.2	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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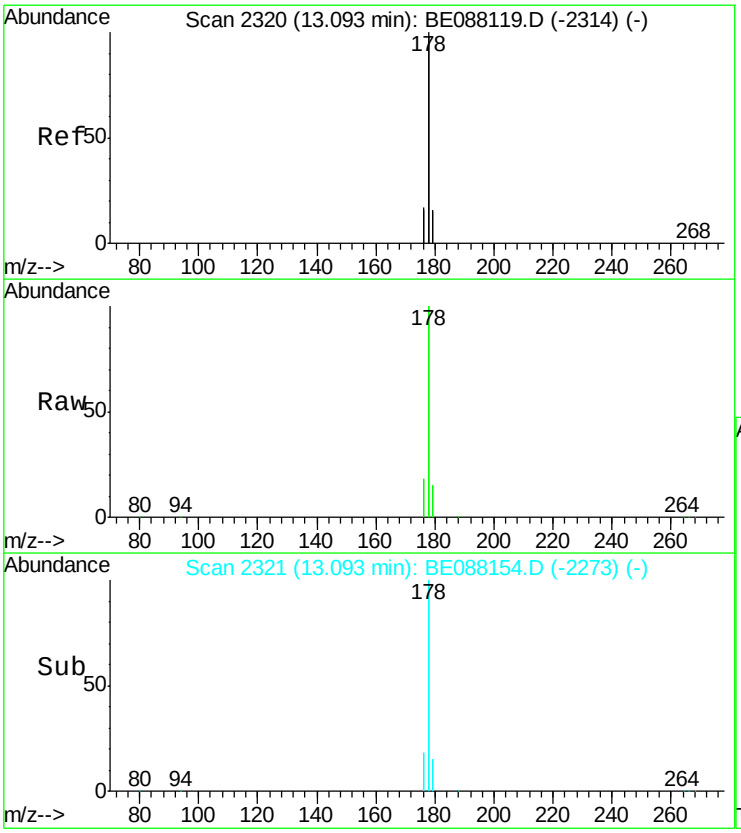
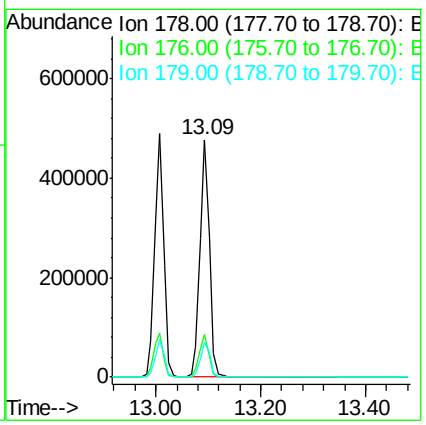
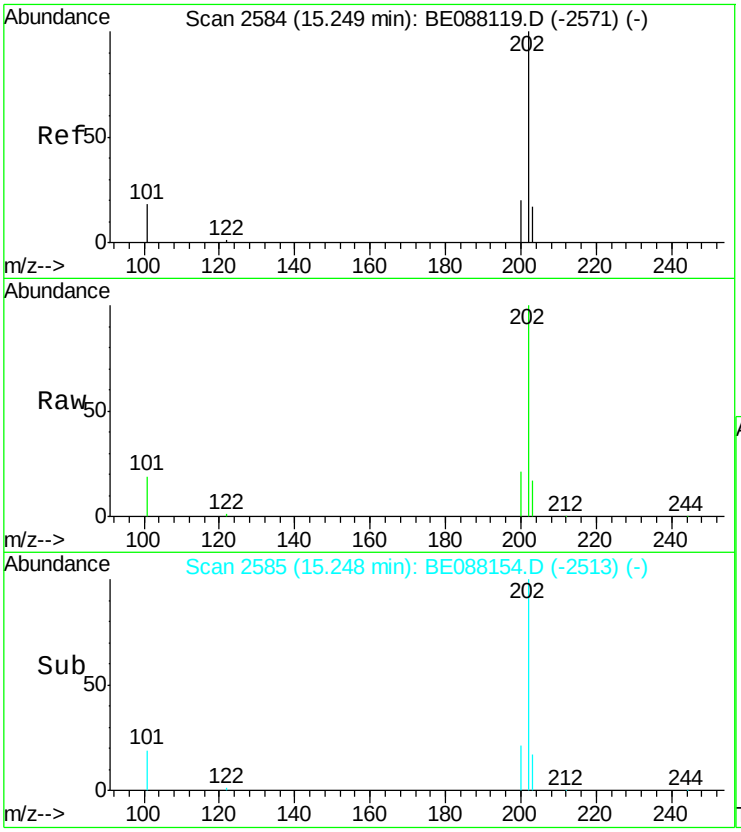


#14
Anthracene
Concen: 7.34 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:178 Resp: 601942

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	15.0	12.5	18.7

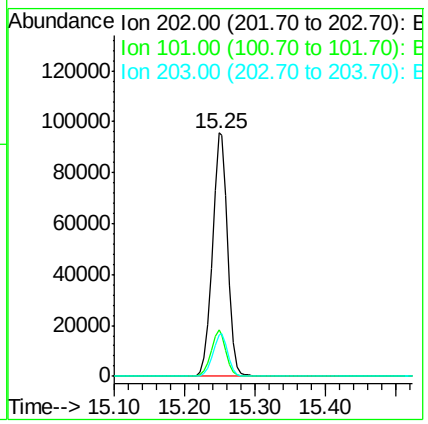




#15
Fluoranthene
Concen: 7.36 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:202 Resp: 147198

Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.8	22.2
203	17.3	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

Manual Integrations APPROVED
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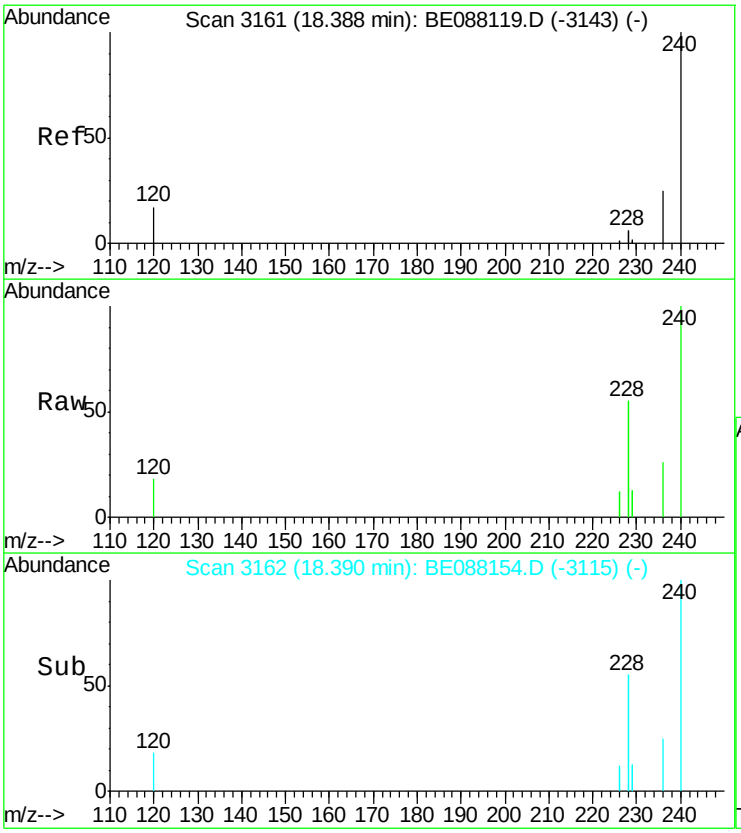
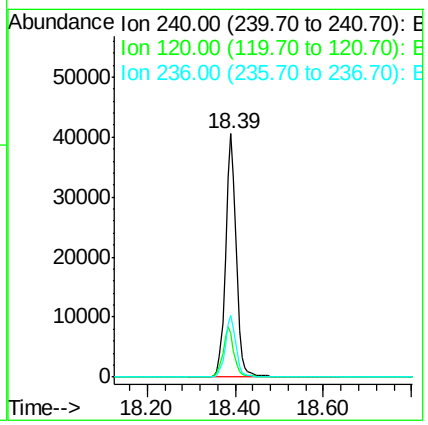
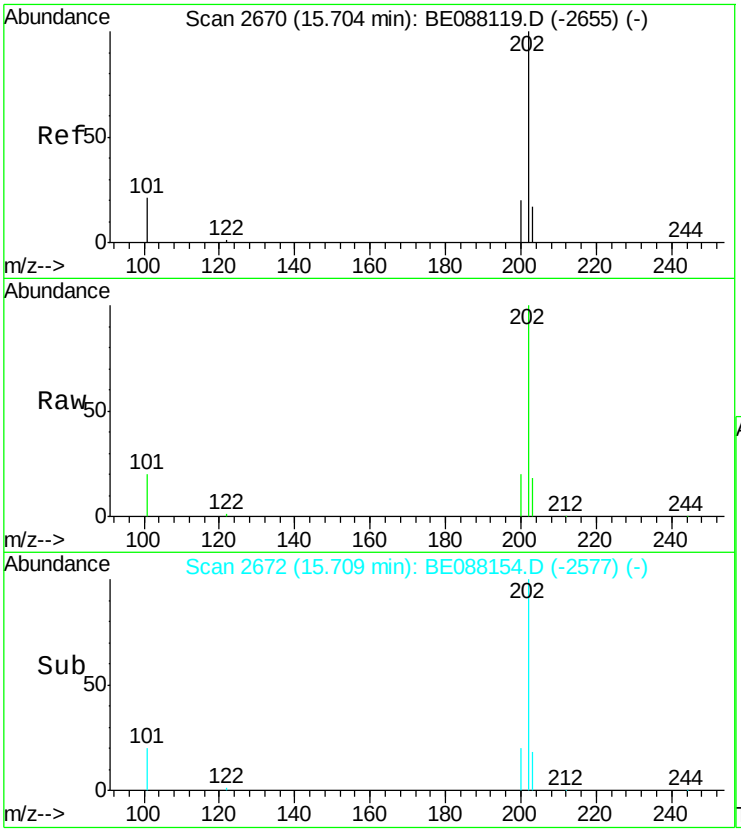


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:240 Resp: 67155

Ion	Ratio	Lower	Upper
240	100		
120	18.2	13.9	20.9
236	25.6	19.9	29.9





#17
Pyrene
Concen: 8.37 ng
RT: 15.71 min Scan# 2672
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:202 Resp: 152866

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	18.0	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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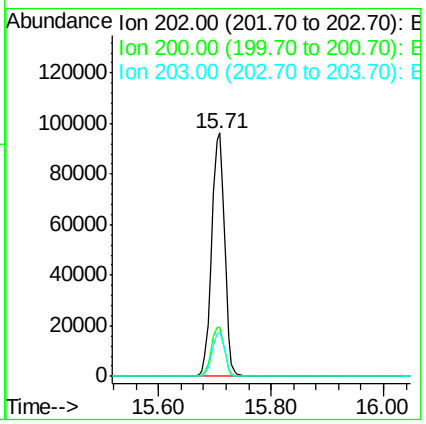
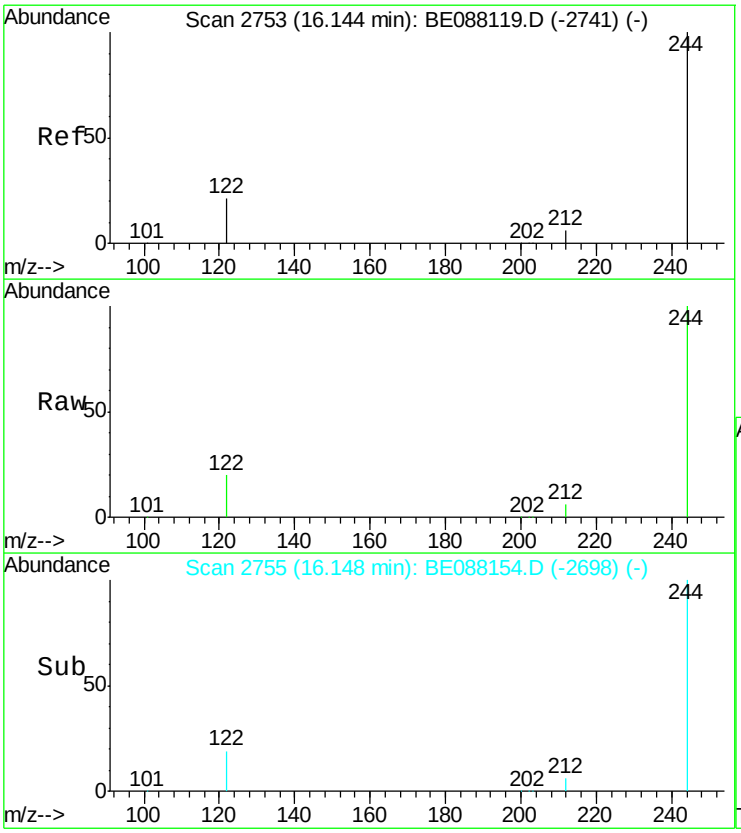
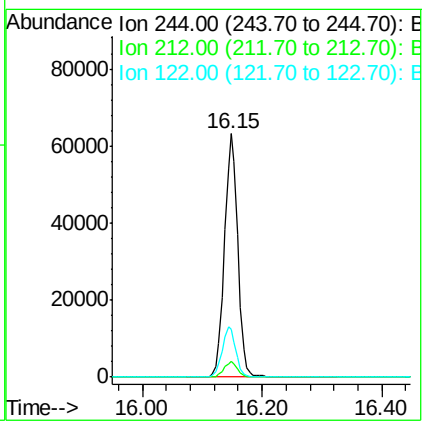


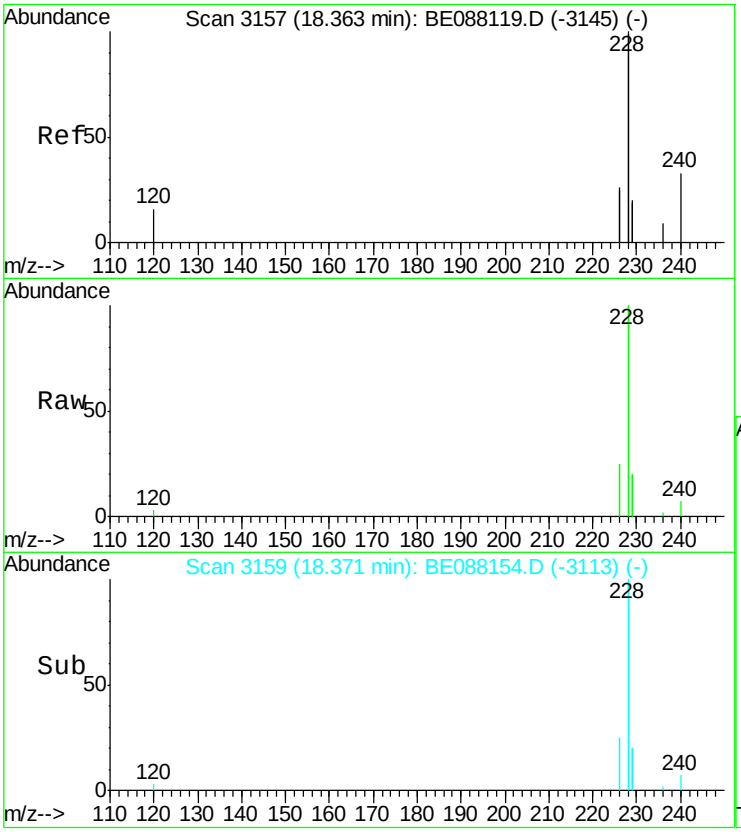


#18
Terphenyl-d14
Concen: 9.21 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:244 Resp: 99569

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	19.6	17.5	26.3

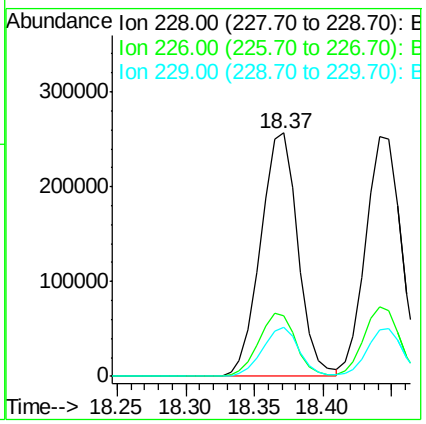




#19
Benzo(a)anthracene
Concen: 8.06 ng
RT: 18.37 min Scan# 3159
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:228 Resp: 481450

Ion	Ratio	Lower	Upper
228	100		
226	25.1	20.8	31.2
229	20.0	15.6	23.4



Instrument :
BNA_E
ClientSampleId :
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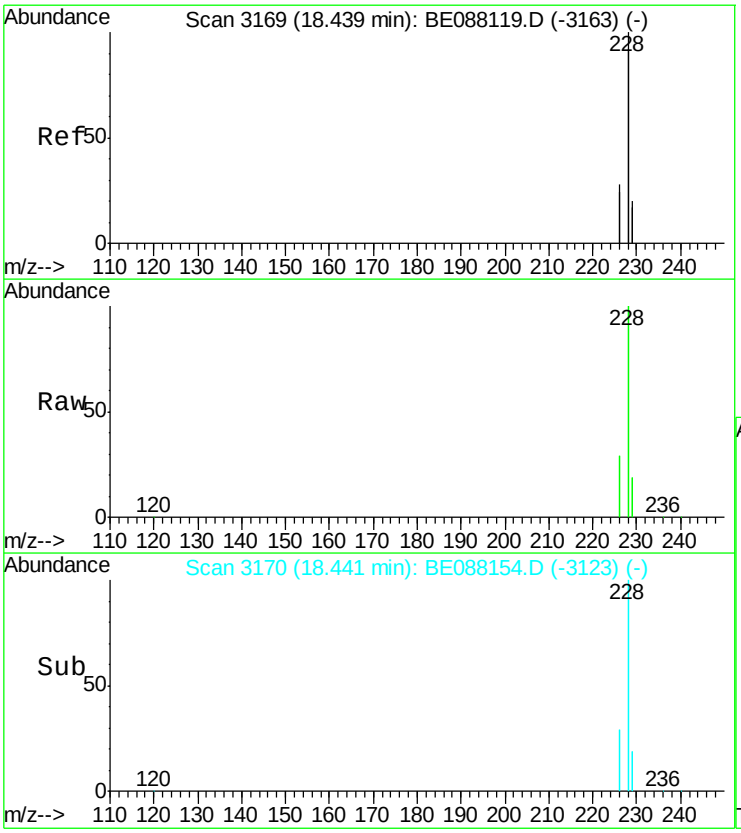
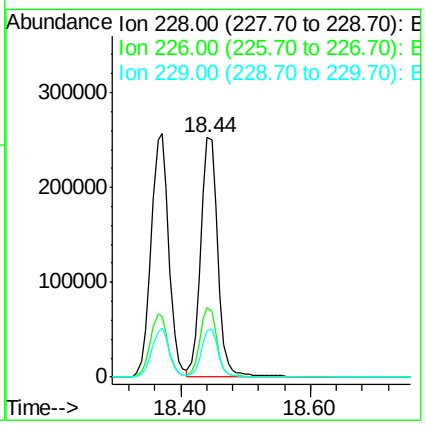
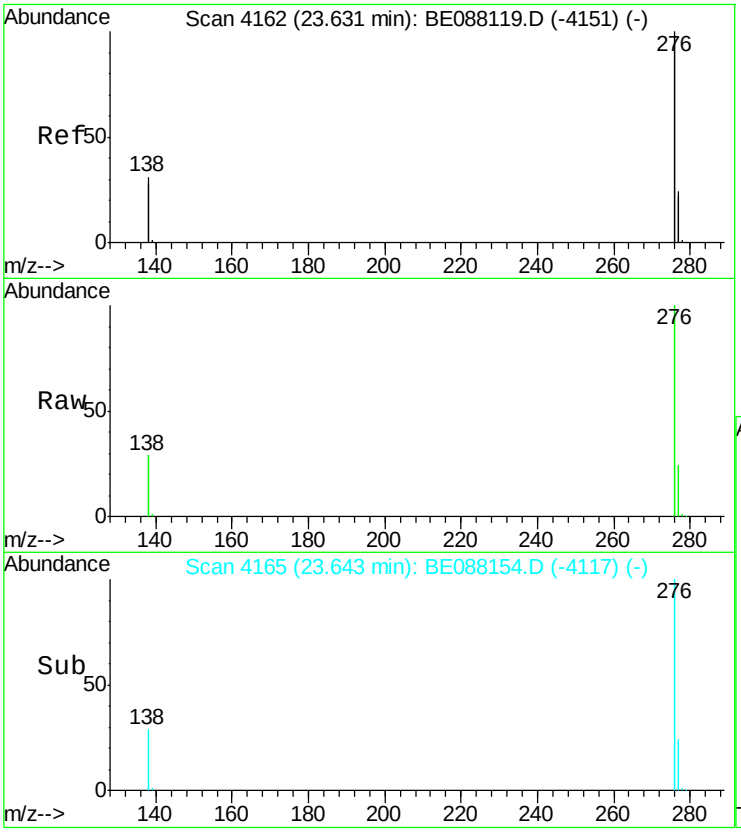


#20
Chrysene
Concen: 7.86 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:228 Resp: 460651

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.7	34.1
229	19.2	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 6.86 ng m
RT: 23.64 min Scan# 4165
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:276 Resp: 446661

Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.5	27.7
277	18.4	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
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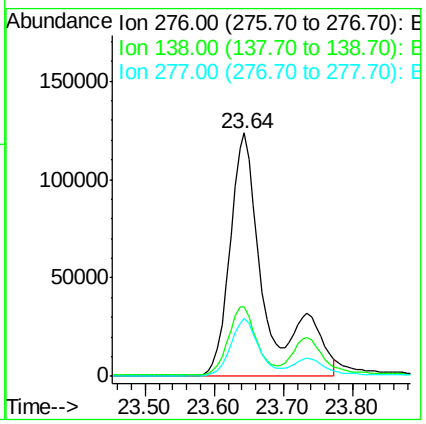
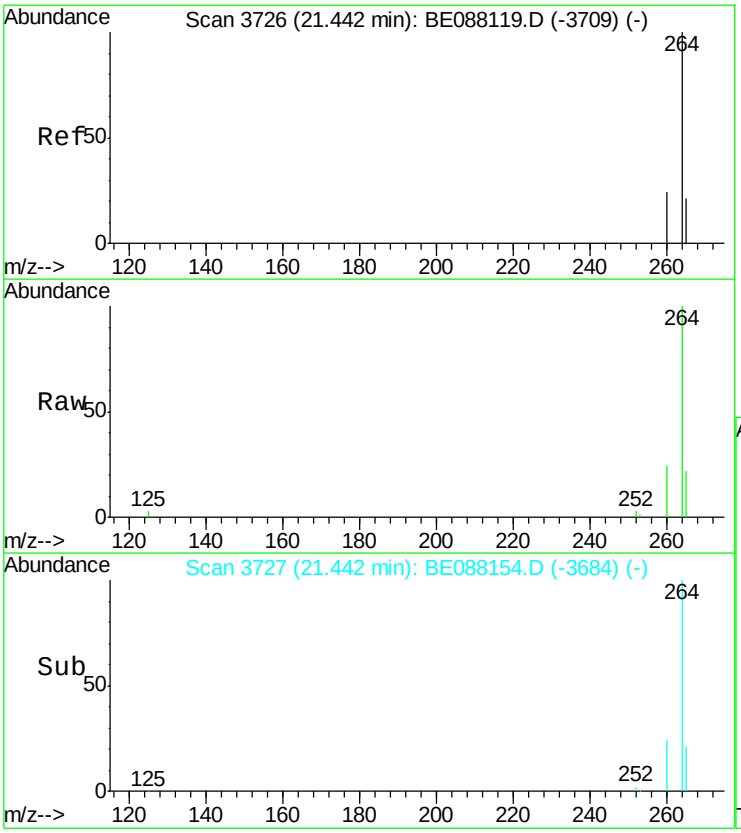
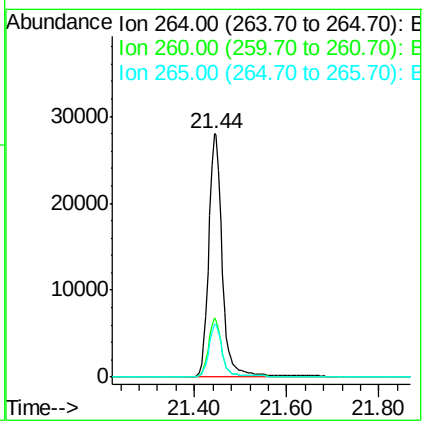


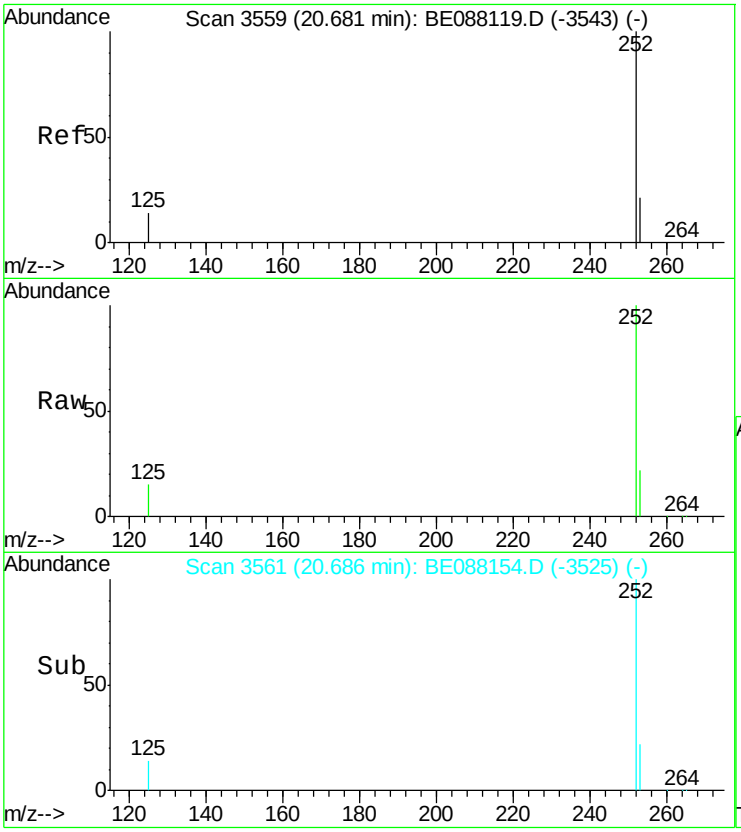


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:264 Resp: 55988

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	21.5	17.2	25.8

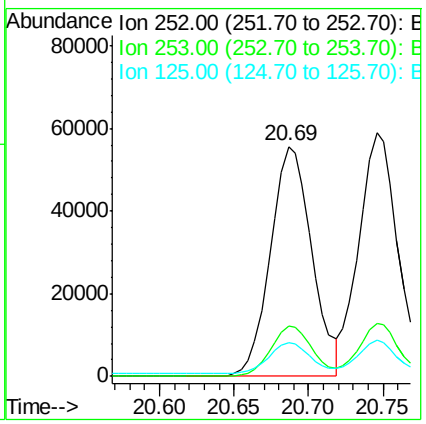




#23
Benzo(b)fluoranthene
Concen: 8.06 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:252 Resp: 107359

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	14.9	11.8	17.8



Instrument :
BNA_E
ClientSampleId :
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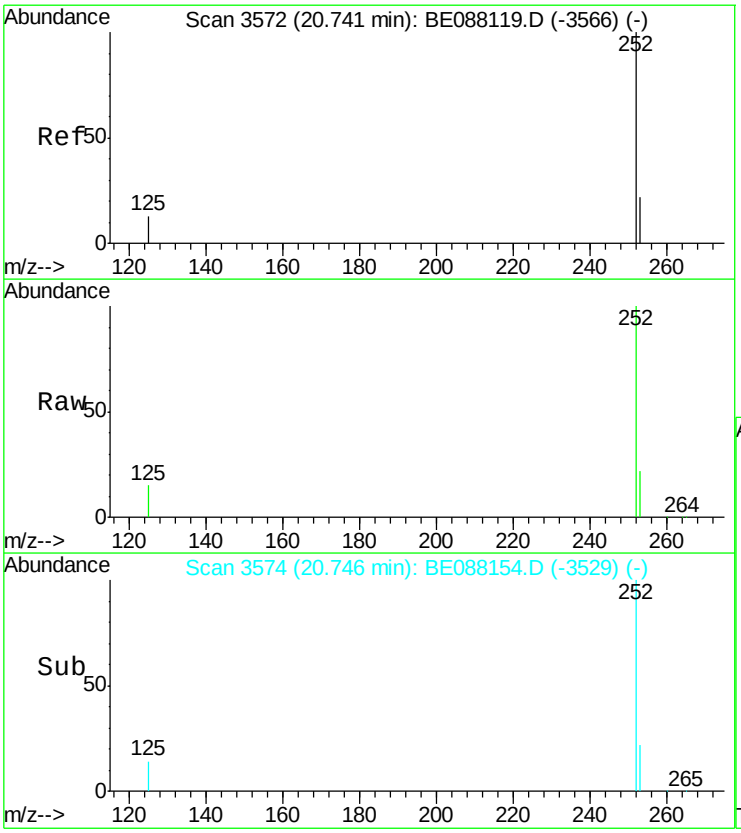
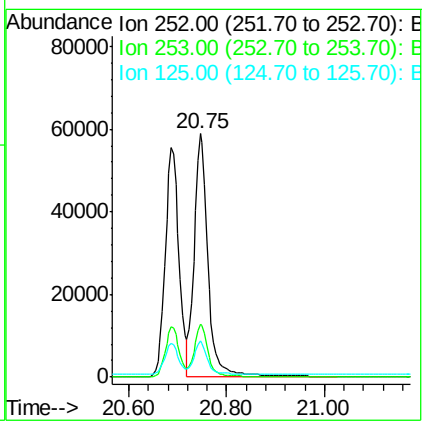
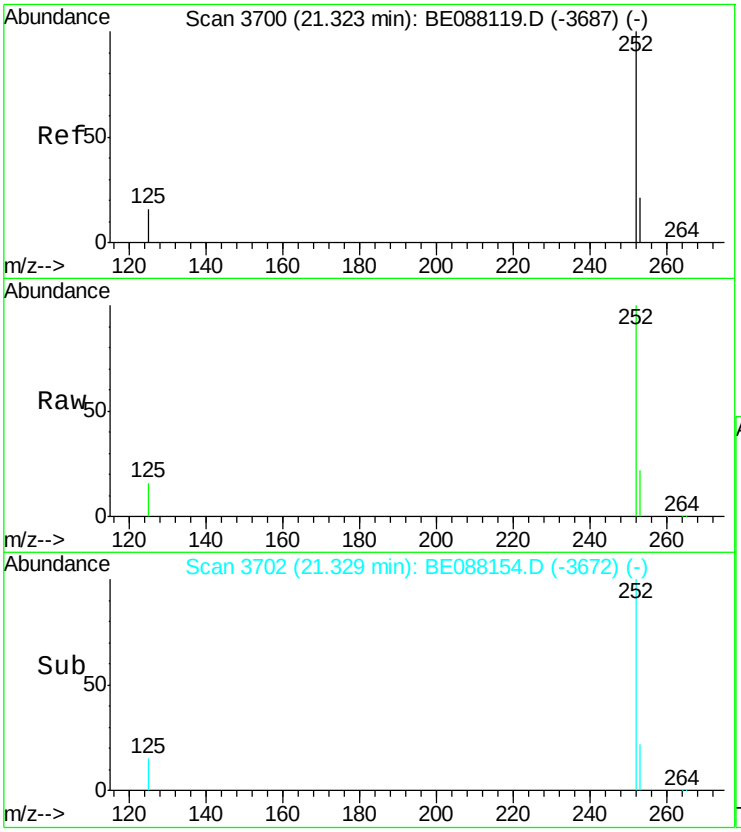


#24
Benzo(k)fluoranthene
Concen: 8.10 ng
RT: 20.75 min Scan# 3574
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:252 Resp: 115634

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	14.7	11.5	17.3

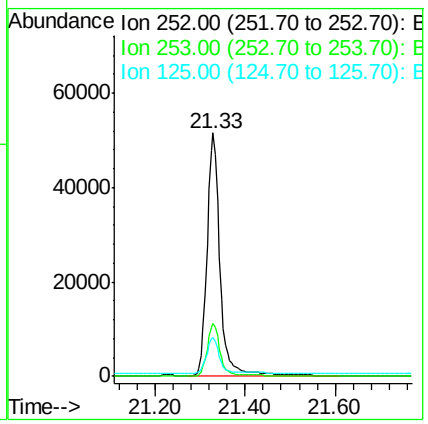




#25
Benzo(a)pyrene
Concen: 8.33 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:252 Resp: 102176

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	16.0	13.0	19.6



Instrument :
BNA_E
ClientSampleId :
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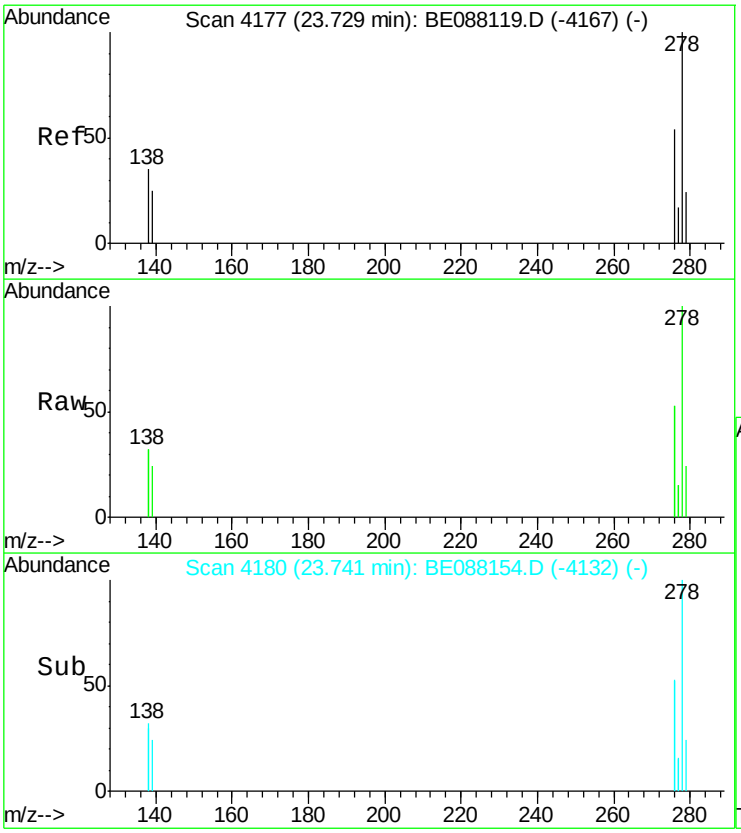
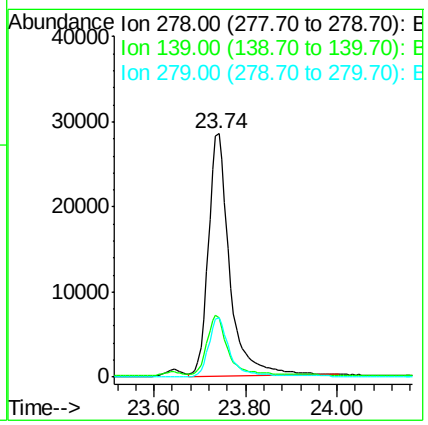
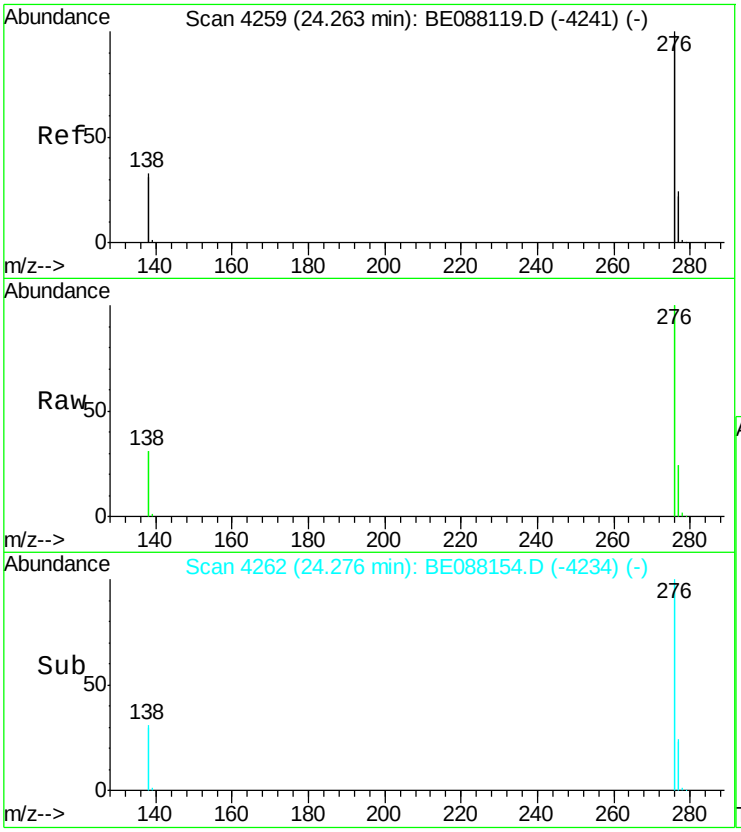


#26
Dibenzo(a,h)anthracene
Concen: 7.61 ng
RT: 23.74 min Scan# 4180
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:278 Resp: 91655

Ion	Ratio	Lower	Upper
278	100		
139	24.4	20.9	31.3
279	24.1	19.8	29.8

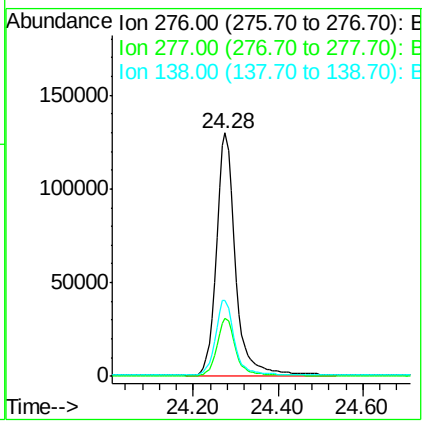




#27
Benzo(g,h,i)perylene
Concen: 7.53 ng
RT: 24.28 min Scan# 4262
Delta R.T. 0.01 min
Lab File: BE088154.D
Acq: 21 Oct 2014 21:55

Tgt Ion:276 Resp: 400856

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	31.3	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MSD

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