Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088237.D
Acq On : 25 Oct 2014 7:50
Operator : TP/JJ
Sample : F4368-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SB33-1014

Manual Integrations APPROVED
mohammad
10/28/2014 12:23:13 PM

Quant Time: Oct 27 14:37:32 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 13:04:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	24492	5.00	ng		0.00
3) Naphthalene-d8	8.68	136	97352	5.00	ng		0.00
7) Acenaphthene-d10	10.82	164	52138	5.00	ng		0.00
12) Phenanthrene-d10	12.94	188	104569	5.00	ng		0.00
16) Chrysene-d12	18.34	240	50932	5.00	ng		0.00
22) Perylene-d12	21.40	264	41477	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.81	82	422936	57.47	ng		0.01
8) 2-Fluorobiphenyl	10.02	172	485412	33.39	ng		0.00
18) Terphenyl-d14	16.13	244	411396	49.32	ng		0.02
Target Compounds							Qvalue
6) 2-Methylnaphthalene	9.55	142	287	0.02	ng	#	90
9) Acenaphthylene	10.64	152	8010	0.10	ng		99
10) Acenaphthene	10.86	154	1152	0.09	ng		87
11) Fluorene	11.52	166	1360	0.11	ng		98
13) Phenanthrene	12.97	178	138100	1.37	ng		94
14) Anthracene	13.06	178	23947m	0.32	ng		
15) Fluoranthene	15.21	202	53601	3.50	ng		99
17) Pyrene	15.67	202	46839	3.35	ng		97
19) Benzo(a)anthracene	18.32	228	64944	1.62	ng		98
20) Chrysene	18.40	228	77867	1.71	ng		98
21) Indeno(1,2,3-cd)pyrene	23.57	276	36308	0.97	ng	#	71
23) Benzo(b)fluoranthene	20.64	252	19694	2.34	ng		98
24) Benzo(k)fluoranthene	20.70	252	8447	0.79	ng		96
25) Benzo(a)pyrene	21.28	252	11659	1.47	ng		98
27) Benzo(g,h,i)perylene	24.20	276	34103	1.03	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

Manual Integrations APPROVED
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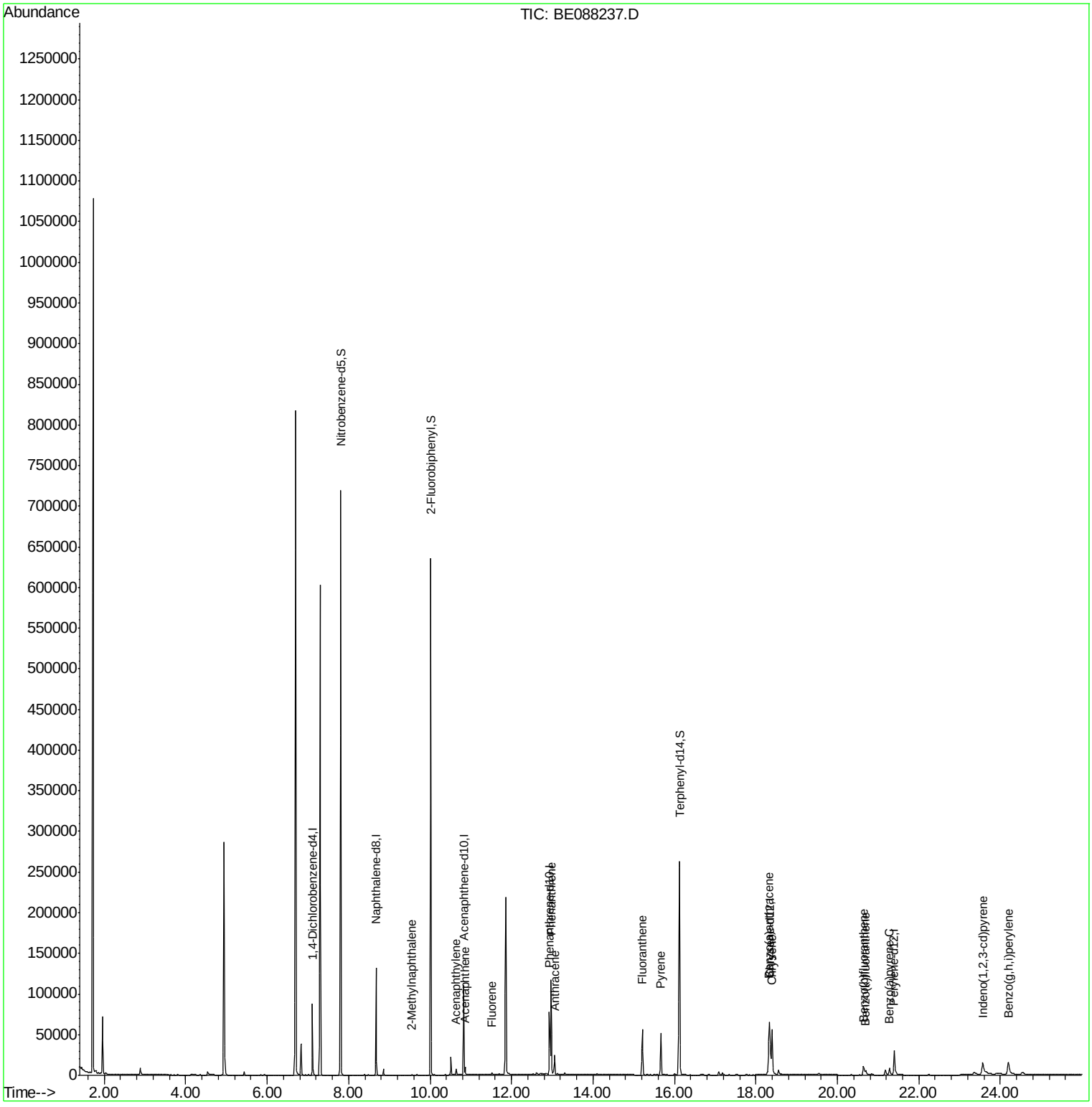
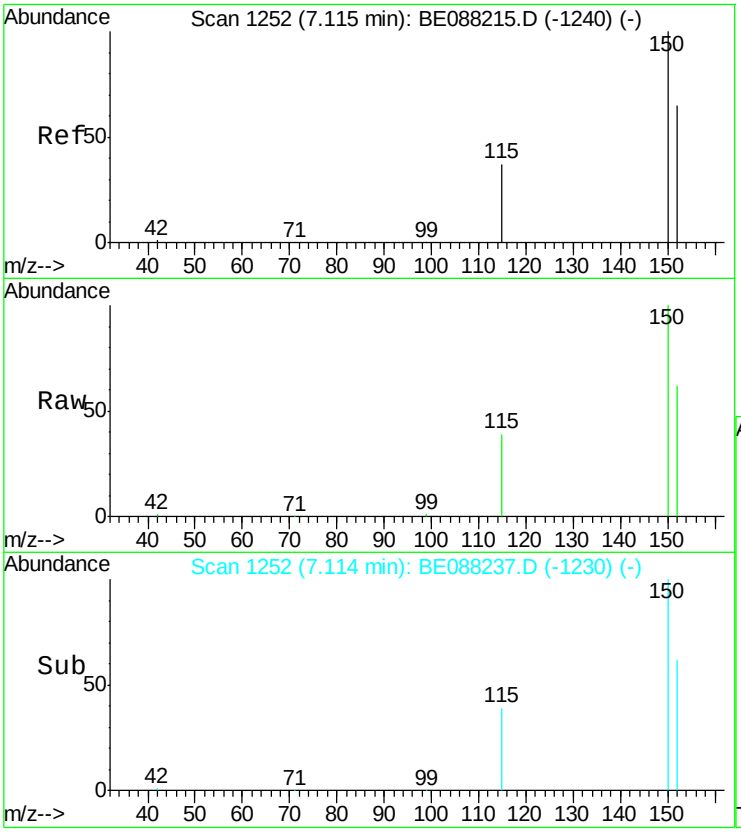
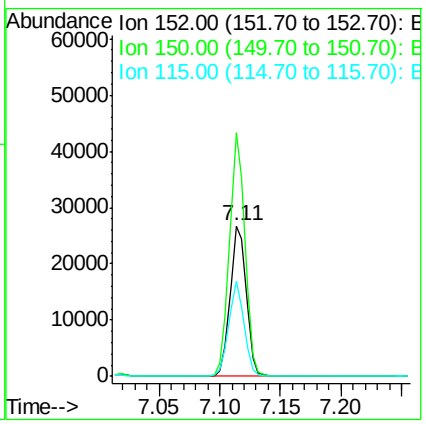




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:152 Resp: 24492

Ion	Ratio	Lower	Upper
152	100		
150	161.6	123.2	184.8
115	63.0	45.3	67.9



Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

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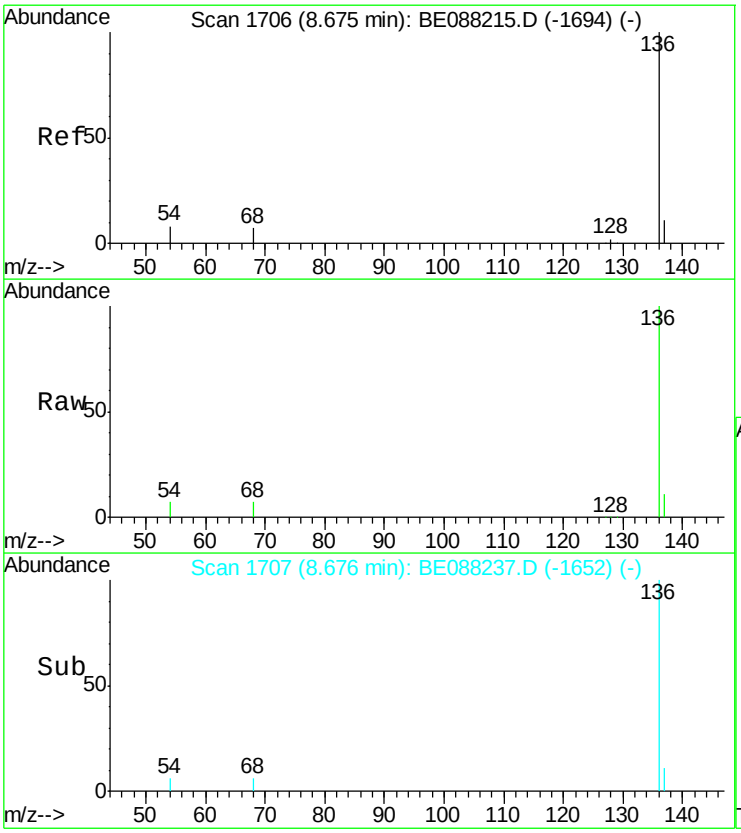
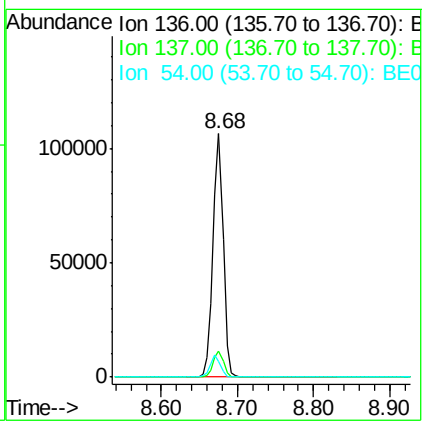
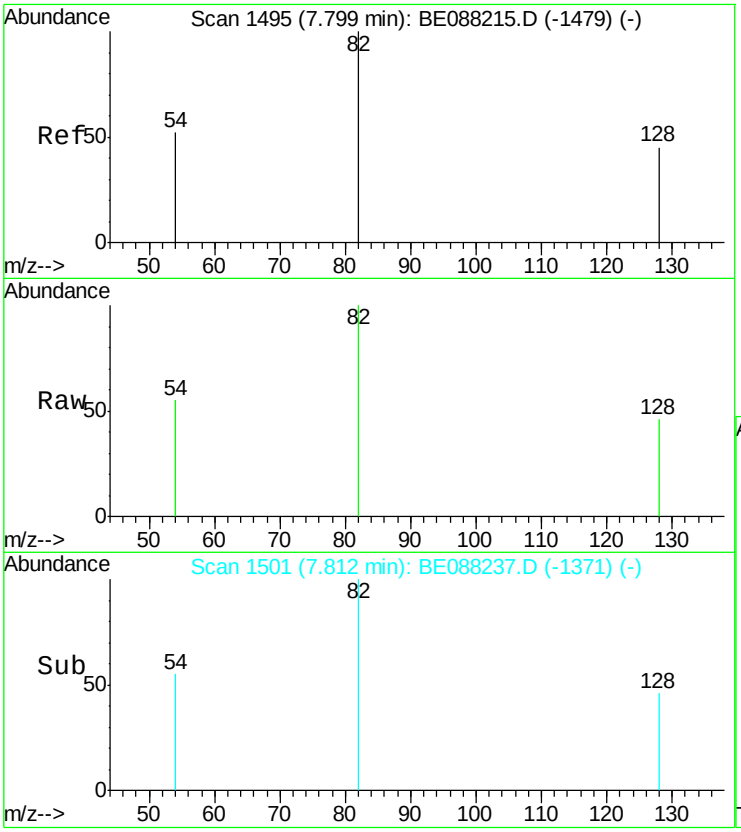


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:136 Resp: 97352

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.7	6.1	9.1

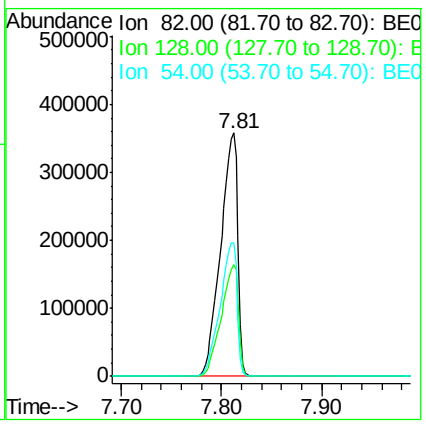




#4
Nitrobenzene-d5
Concen: 57.47 ng
RT: 7.81 min Scan# 1501
Delta R.T. 0.01 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion: 82 Resp: 422936

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.2	54.2
54	55.0	41.8	62.8



Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

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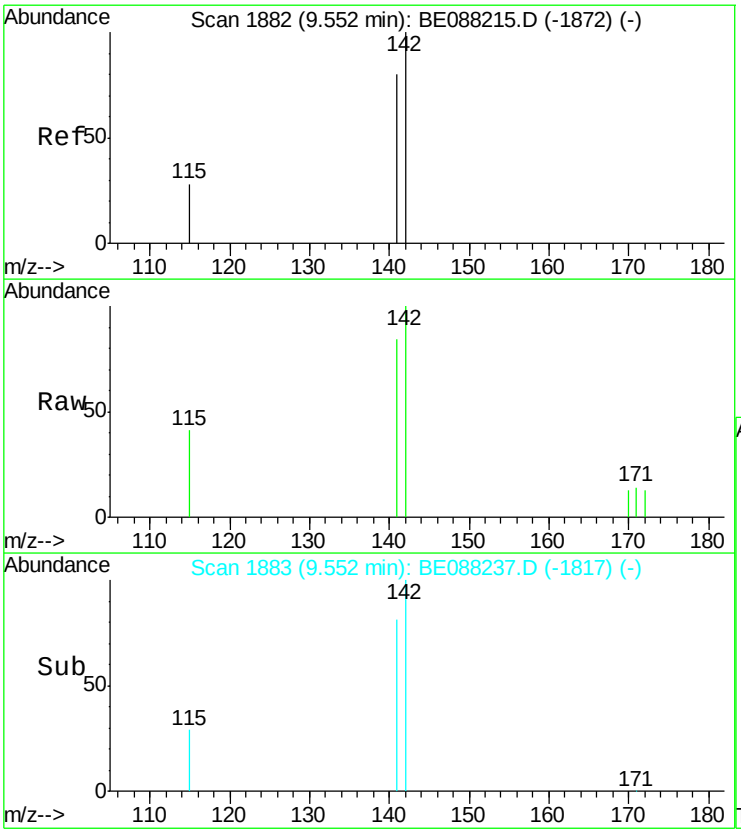
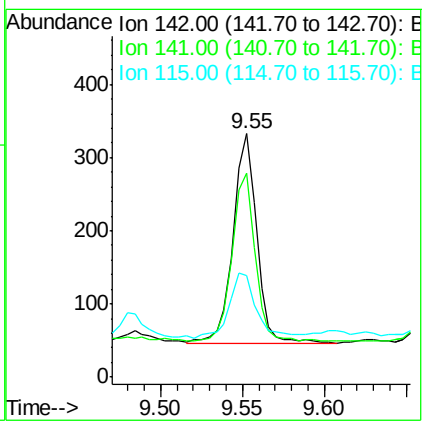
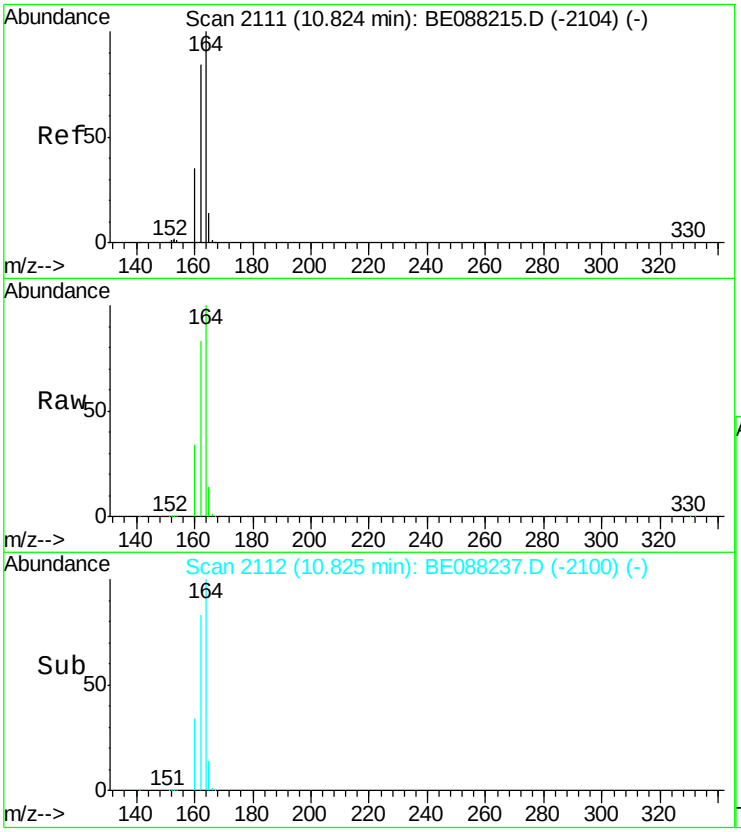


#6
2-Methylnaphthalene
Concen: 0.02 ng
RT: 9.55 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:142 Resp: 287

Ion	Ratio	Lower	Upper
142	100		
141	83.8	63.7	95.5
115	41.4	22.6	34.0#





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.82 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:164 Resp: 52138

Ion	Ratio	Lower	Upper
164	100		
162	82.9	67.4	101.0
160	33.7	27.7	41.5

Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

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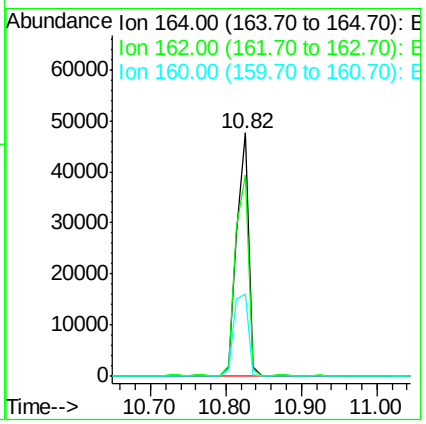
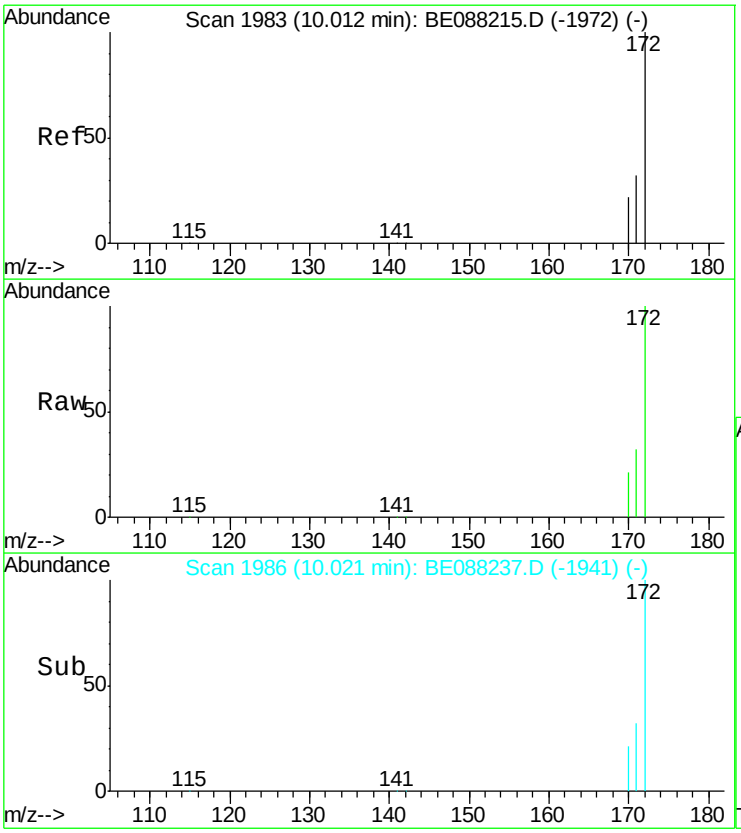
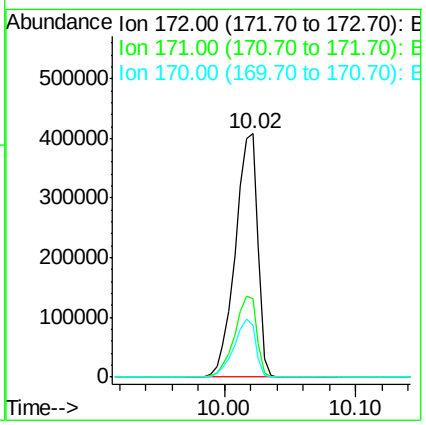


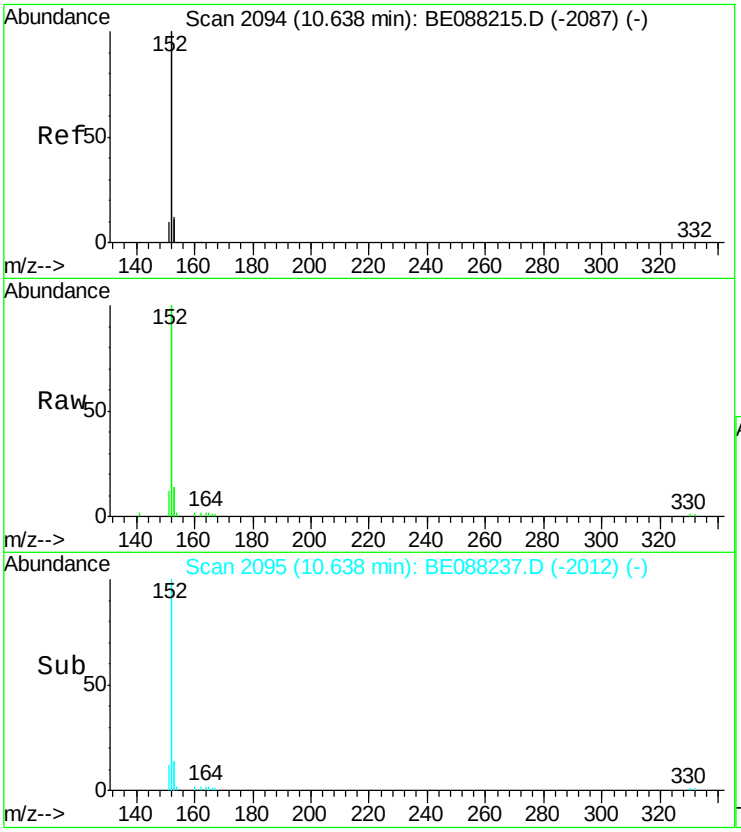


#8
2-Fluorobiphenyl
Concen: 33.39 ng
RT: 10.02 min Scan# 1986
Delta R.T. 0.01 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:172 Resp: 485412

Ion	Ratio	Lower	Upper
172	100		
171	32.0	25.8	38.6
170	20.9	17.4	26.0

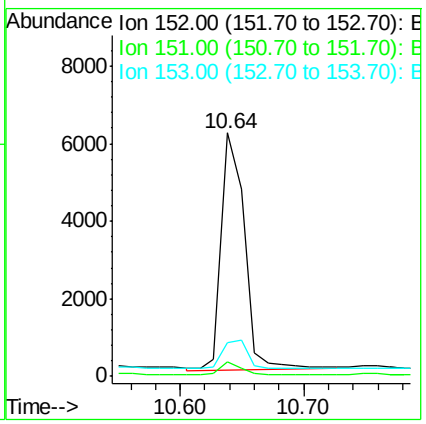




#9
Acenaphthylene
Concen: 0.10 ng
RT: 10.64 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:152 Resp: 8010

Ion	Ratio	Lower	Upper
152	100		
151	4.5	3.7	5.5
153	12.6	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

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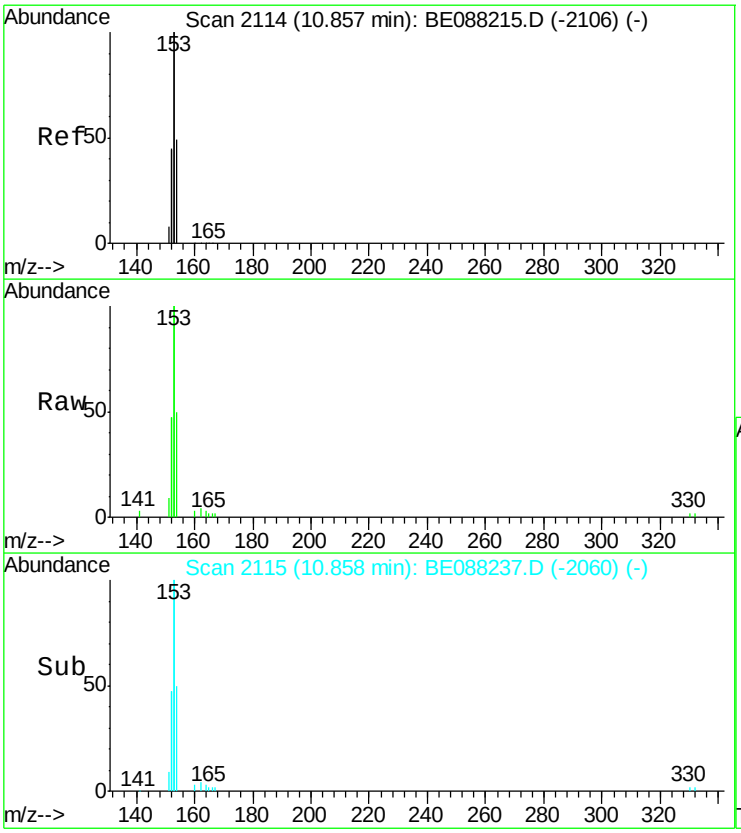
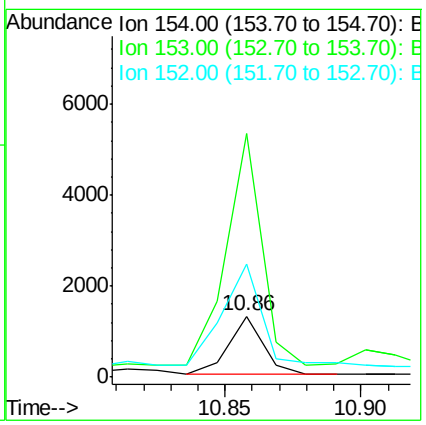
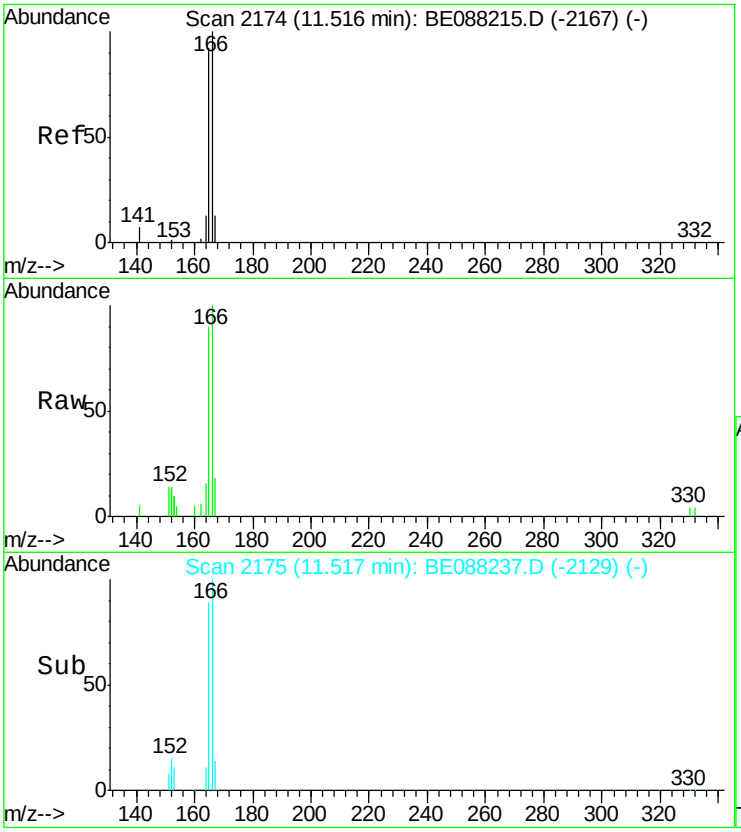


#10
Acenaphthene
Concen: 0.09 ng
RT: 10.86 min Scan# 2115
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:154 Resp: 1152

Ion	Ratio	Lower	Upper
154	100		
153	432.8	326.0	489.0
152	223.6	155.6	233.4

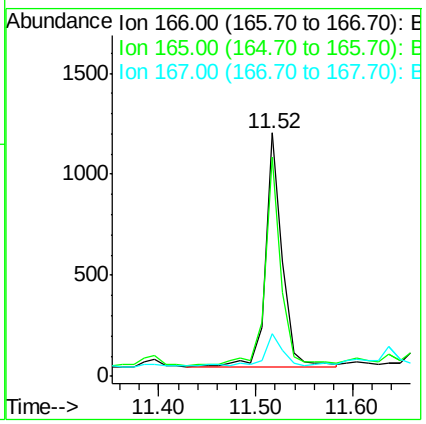




#11
Fluorene
Concen: 0.11 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:166 Resp: 1360

Ion	Ratio	Lower	Upper
166	100		
165	87.6	71.8	107.6
167	14.1	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

Manual Integrations APPROVED
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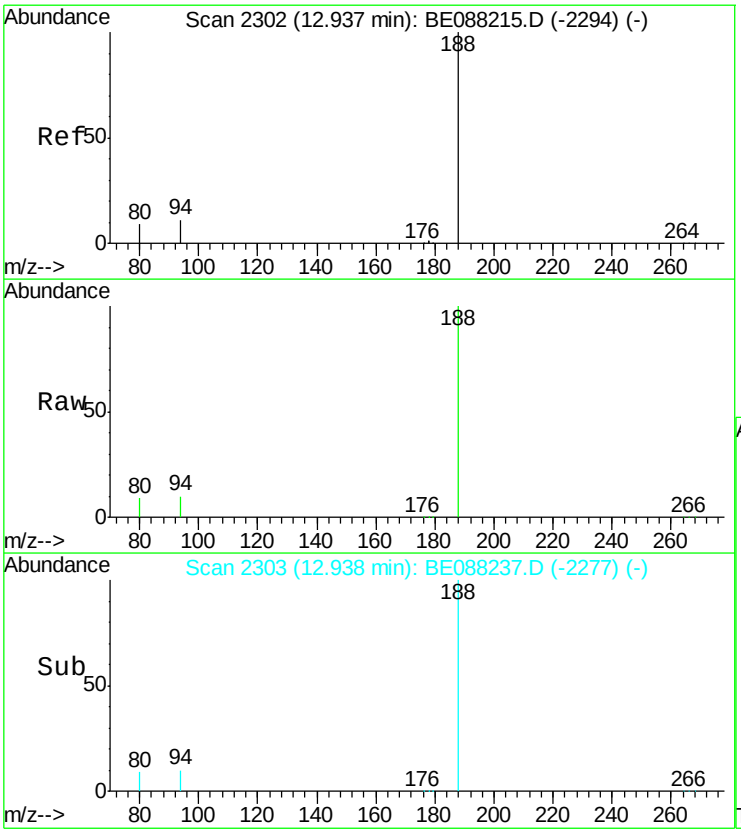
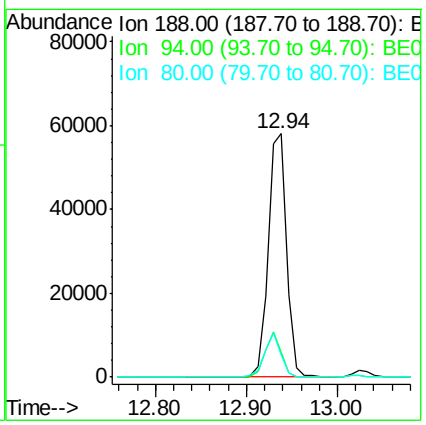
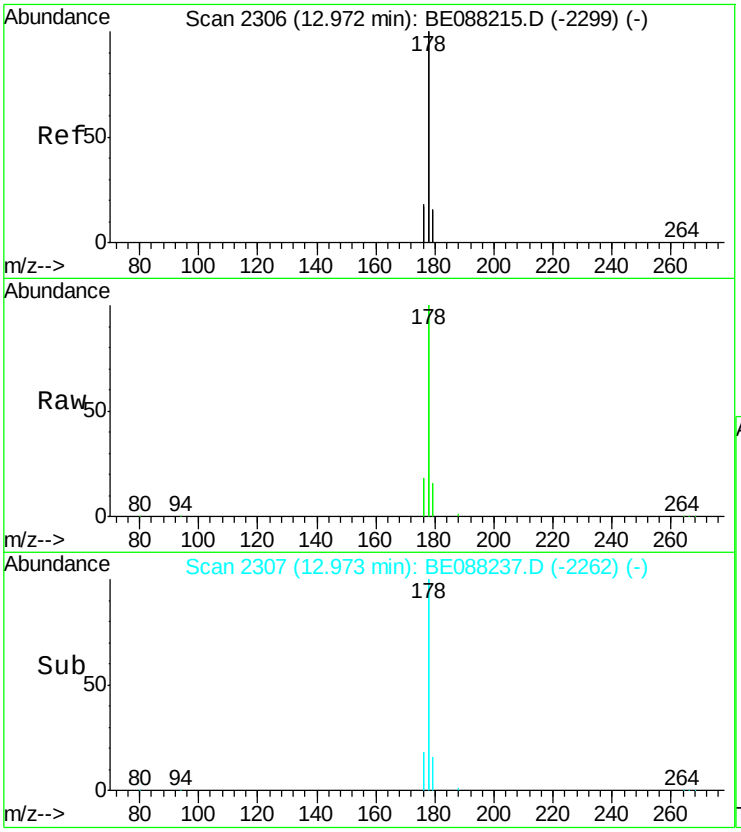


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:188 Resp: 104569

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	9.1	7.4	11.0

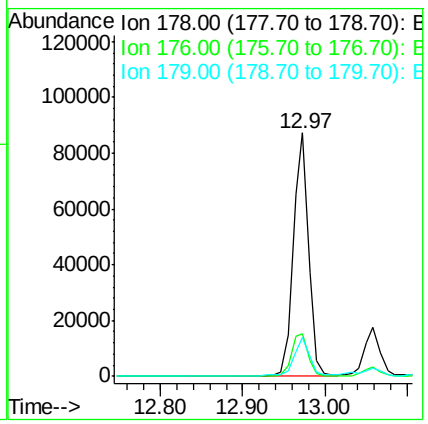




#13
Phenanthrene
Concen: 1.37 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:178 Resp: 138100

Ion	Ratio	Lower	Upper
178	100		
176	15.4	14.0	21.0
179	17.5	11.8	17.6



Instrument :
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ClientSampleId :
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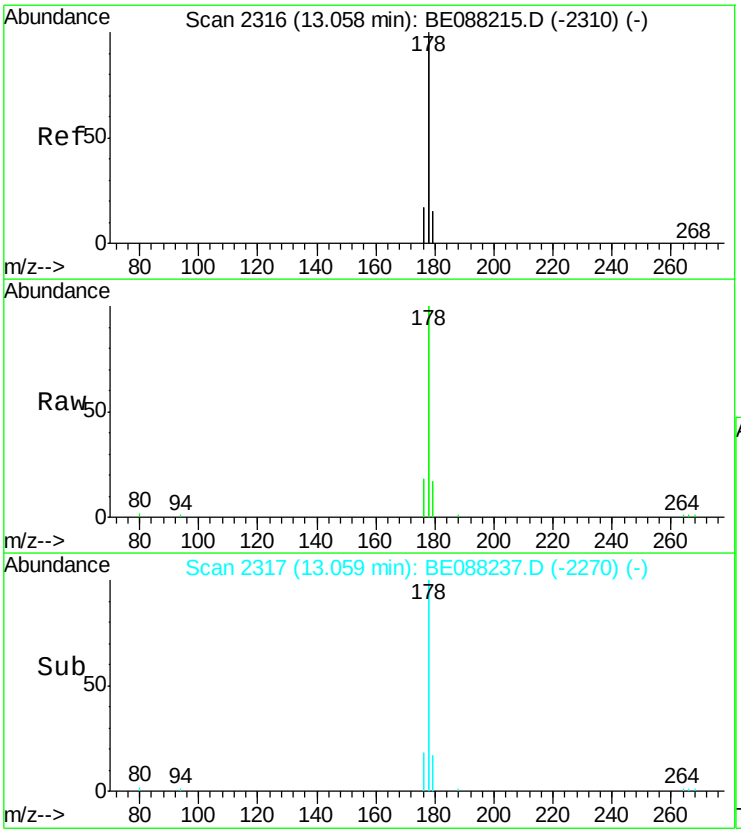
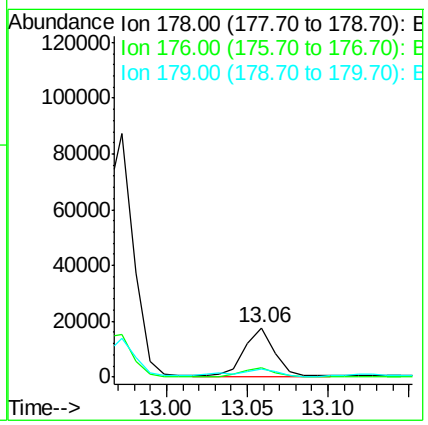
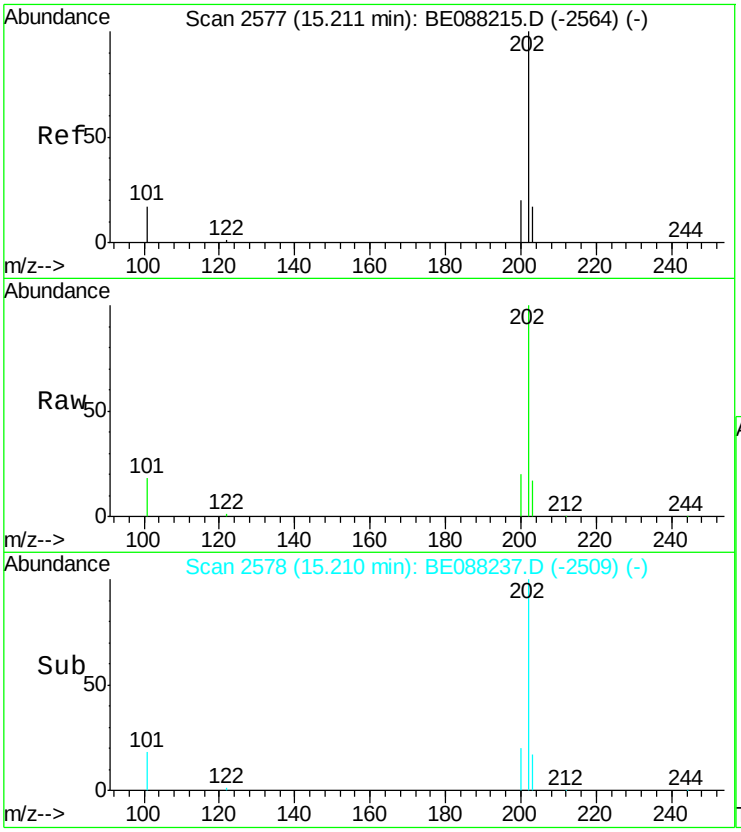


#14
Anthracene
Concen: 0.32 ng m
RT: 13.06 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:178 Resp: 23947

Ion	Ratio	Lower	Upper
178	100		
176	88.6	14.7	22.1#
179	100.8	12.3	18.5#

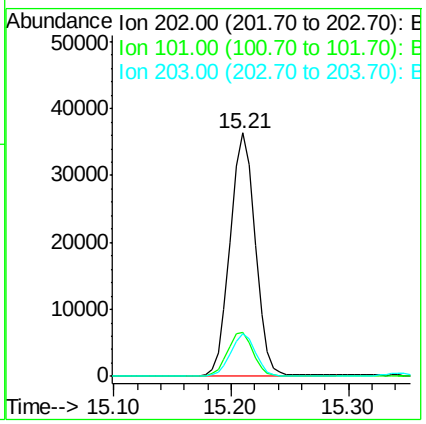




#15
Fluoranthene
Concen: 3.50 ng
RT: 15.21 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:202 Resp: 53601

Ion	Ratio	Lower	Upper
202	100		
101	18.2	14.4	21.6
203	17.2	13.4	20.2



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ClientSampleId :
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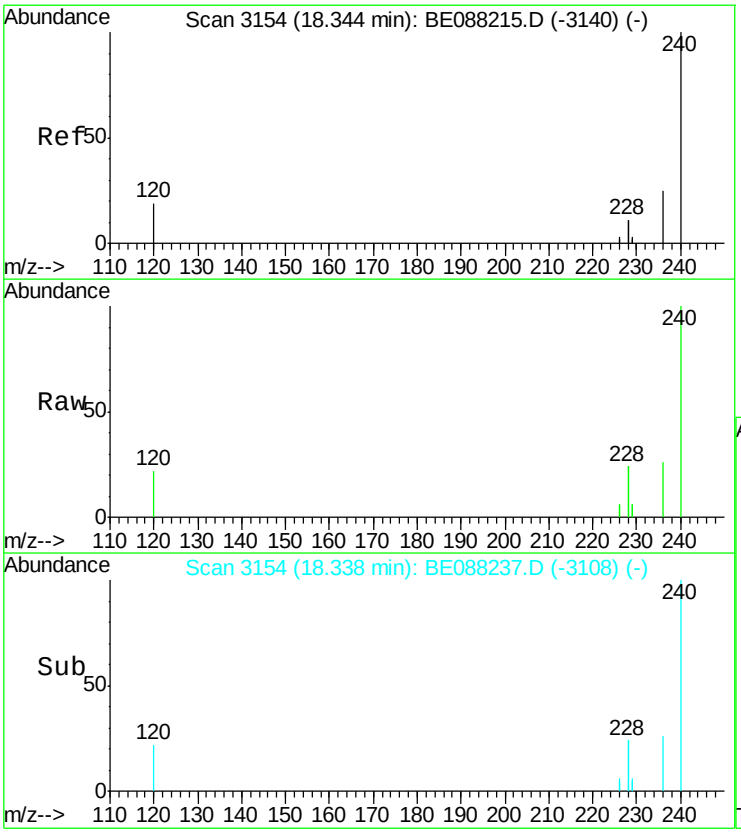
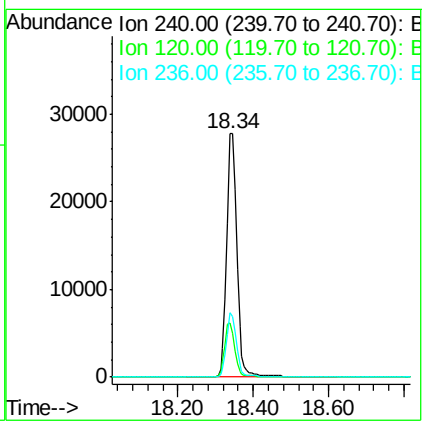
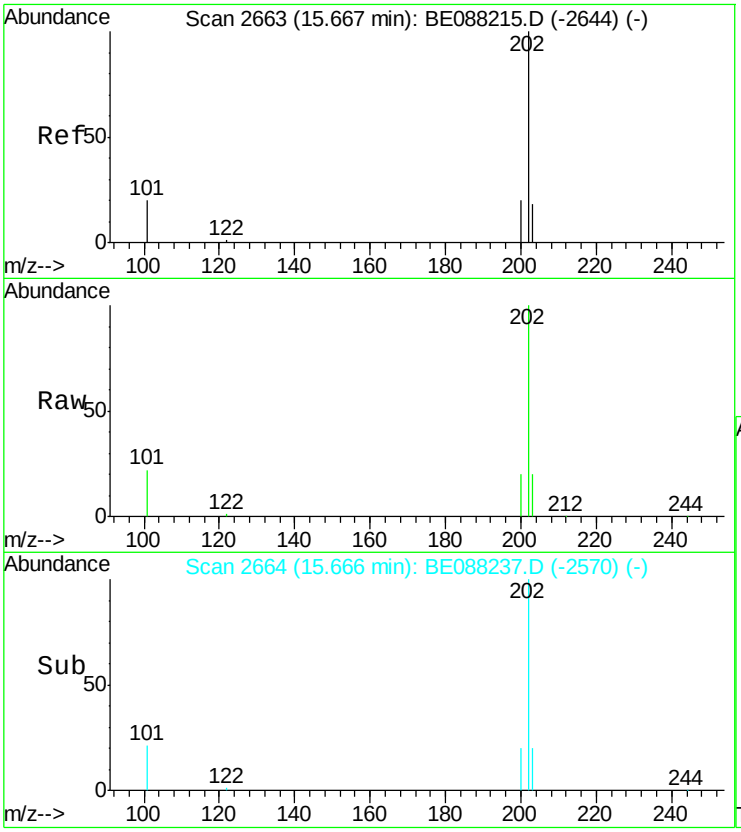


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:240 Resp: 50932

Ion	Ratio	Lower	Upper
240	100		
120	22.5	15.1	22.7
236	26.2	20.1	30.1





#17
Pyrene
Concen: 3.35 ng
RT: 15.67 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:202 Resp: 46839

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	20.4	13.8	20.8

Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

Manual Integrations APPROVED
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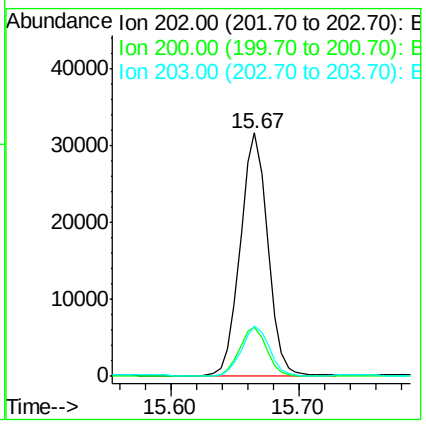
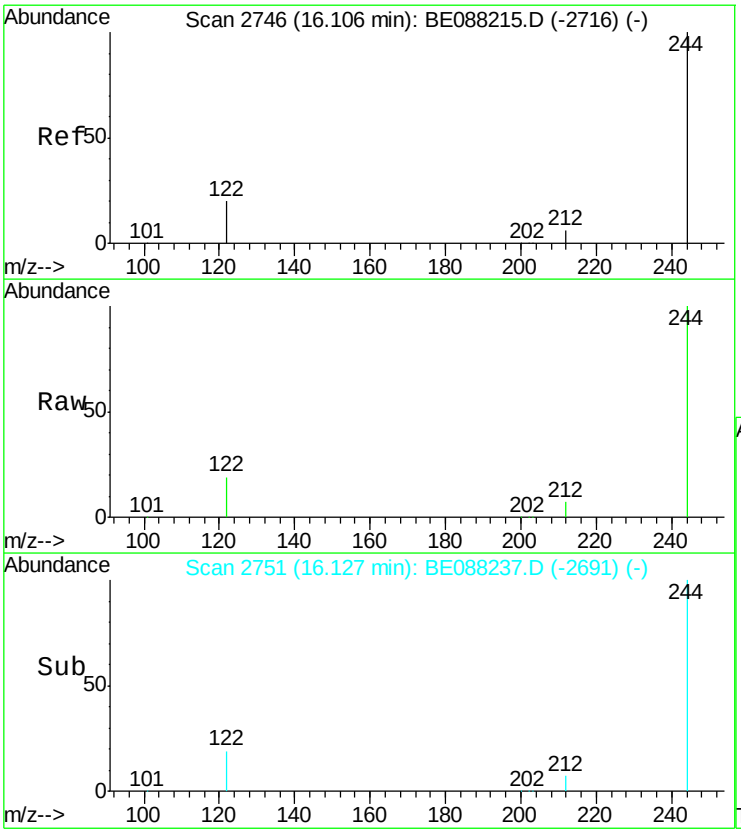
10/28/2014 12:23:13 PM

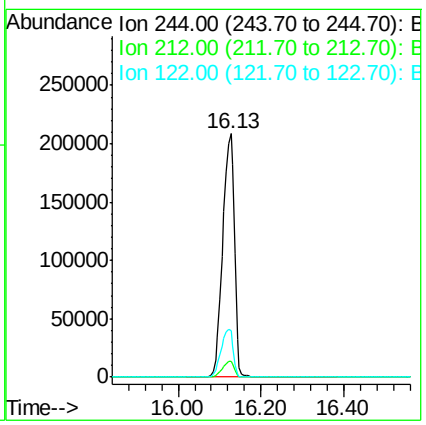


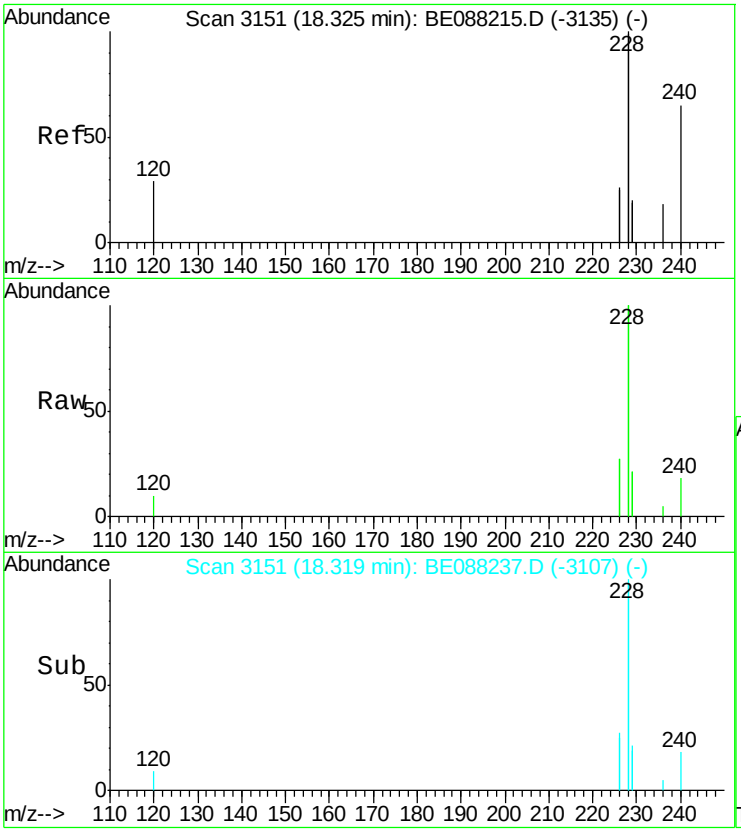


#18
Terphenyl-d14
Concen: 49.32 ng
RT: 16.13 min Scan# 2751
Delta R.T. 0.02 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:244 Resp: 411396

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	18.9	16.7	25.1

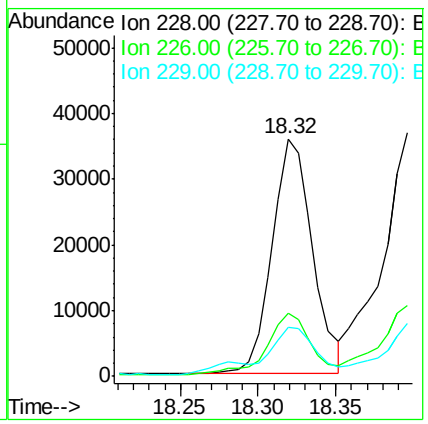




#19
Benzo(a)anthracene
Concen: 1.62 ng
RT: 18.32 min Scan# 3151
Delta R.T. -0.01 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:228 Resp: 64944

Ion	Ratio	Lower	Upper
228	100		
226	26.7	20.5	30.7
229	20.6	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

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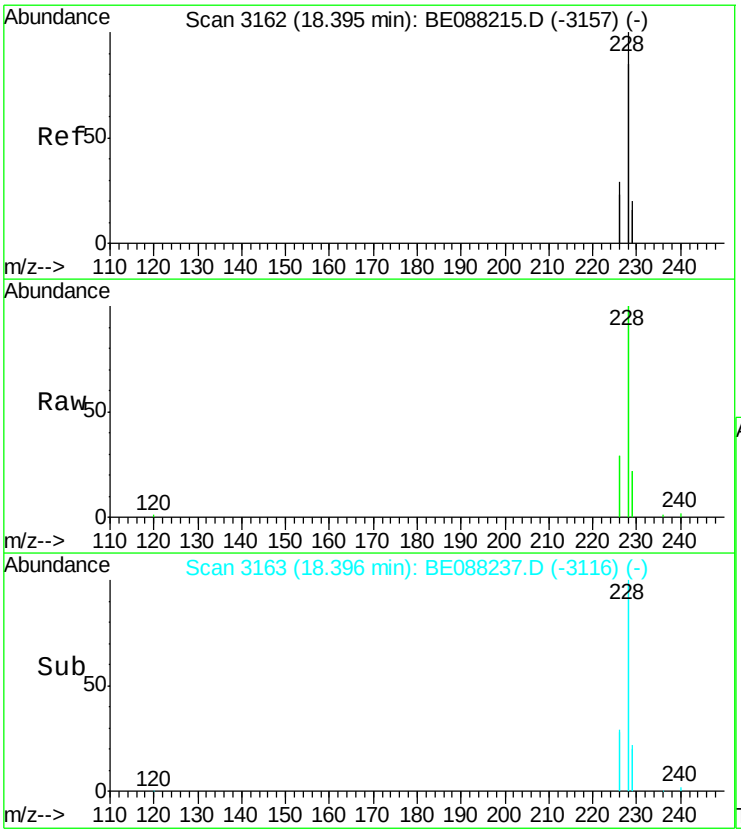
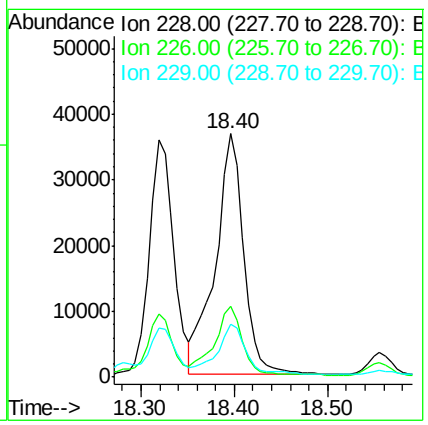
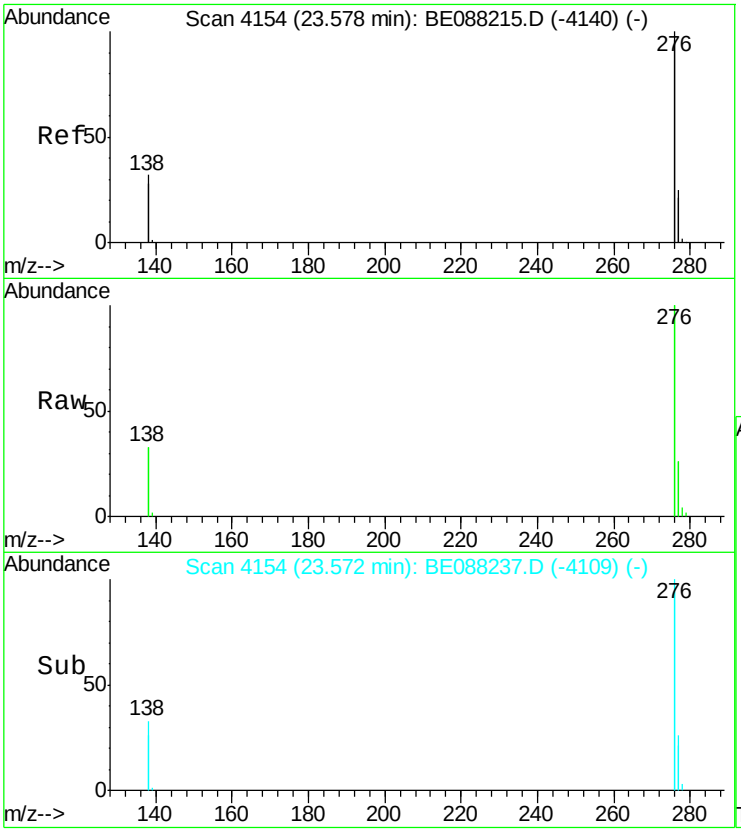


#20
Chrysene
Concen: 1.71 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:228 Resp: 77867

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.3	34.9
229	21.6	15.6	23.4





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.97 ng
RT: 23.57 min Scan# 4154
Delta R.T. -0.01 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

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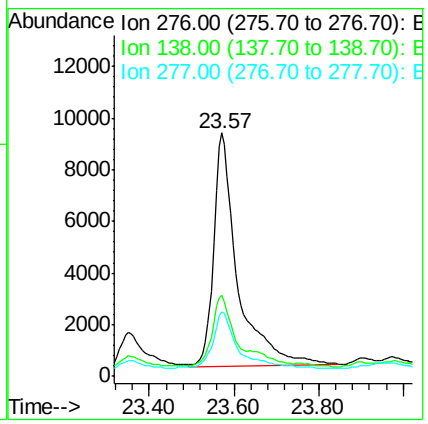
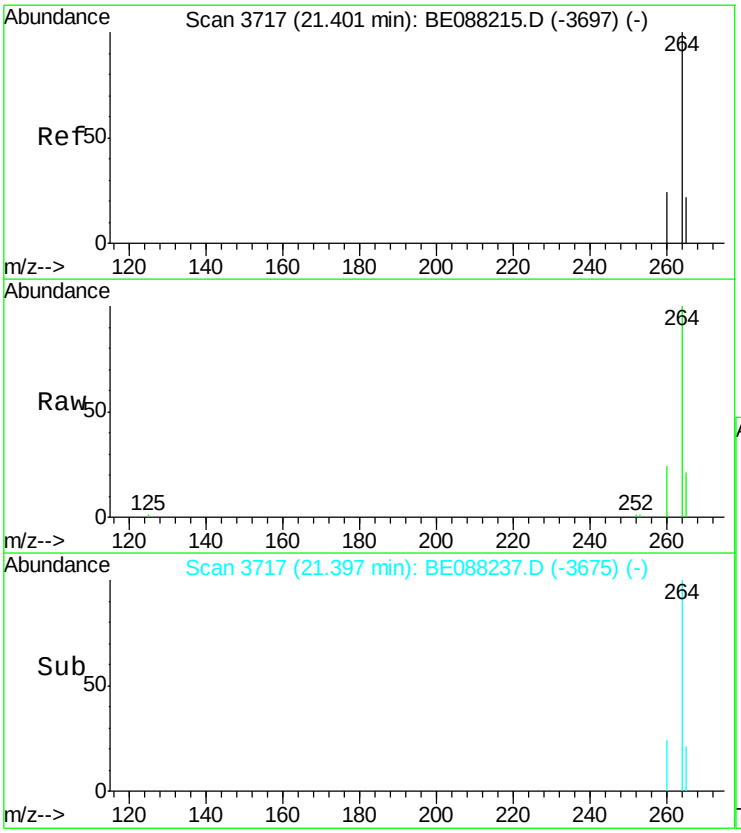
Tgt Ion:276 Resp: 36308

Ion	Ratio	Lower	Upper
276	100		
138	31.4	13.9	20.9#
277	23.8	10.7	16.1#

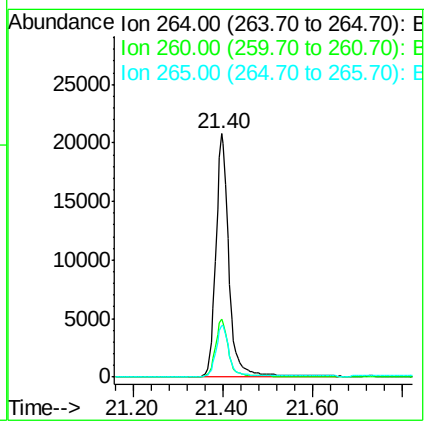


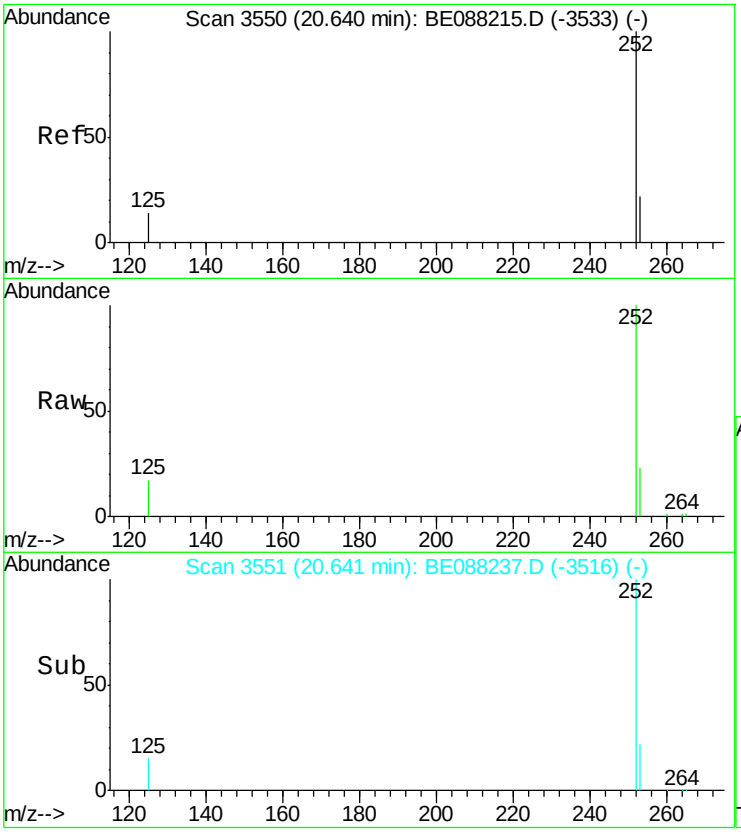


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3717
Delta R.T. -0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:264 Resp: 41477

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.5	17.4	26.2

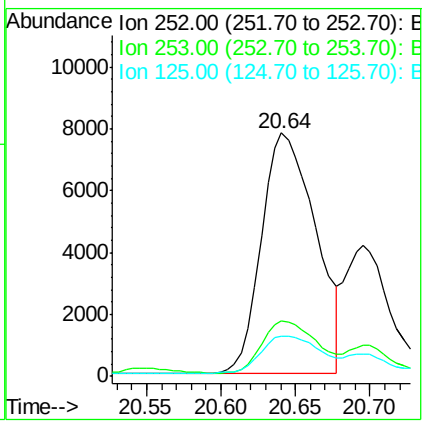




#23
Benzo(b)fluoranthene
Concen: 2.34 ng
RT: 20.64 min Scan# 3551
Delta R.T. 0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:252 Resp: 19694

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.6	12.2	18.2



Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

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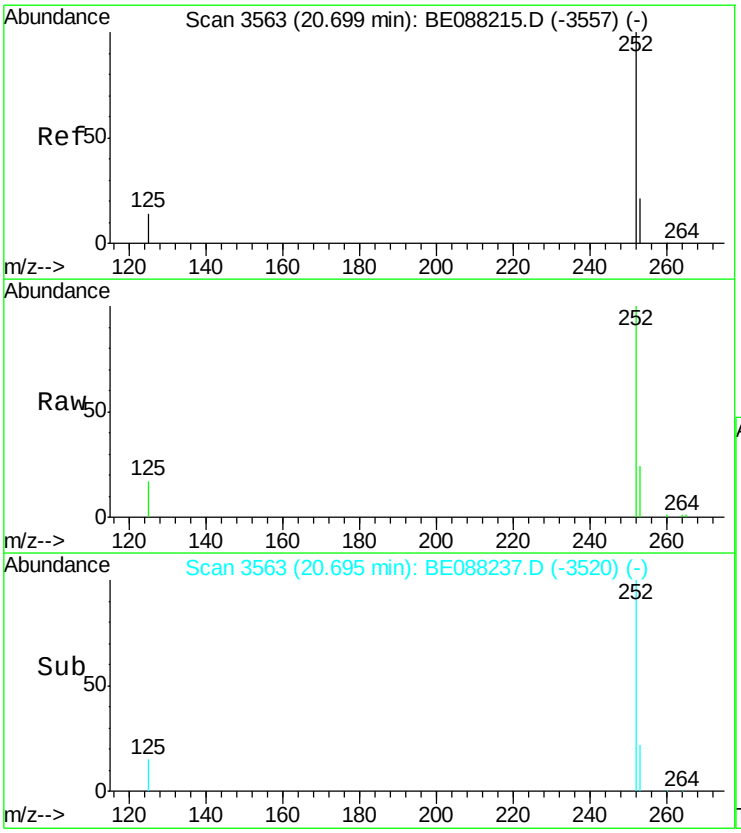
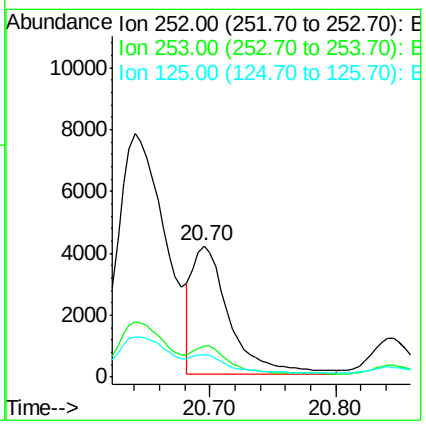
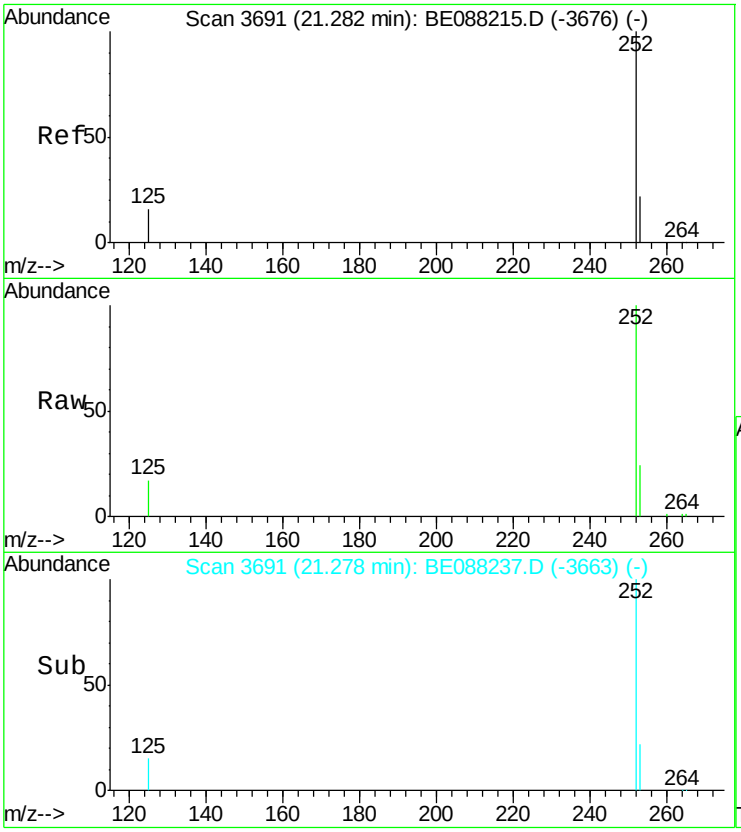


#24
Benzo(k)fluoranthene
Concen: 0.79 ng
RT: 20.70 min Scan# 3563
Delta R.T. -0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:252 Resp: 8447

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	17.3	12.1	18.1

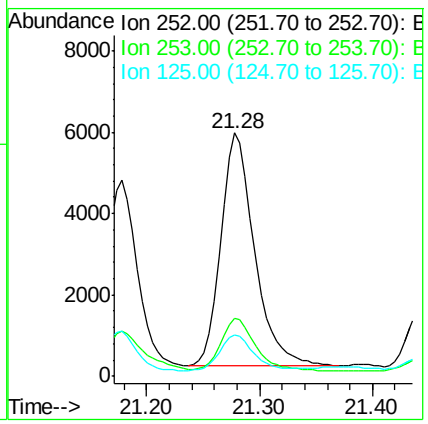




#25
Benzo(a)pyrene
Concen: 1.47 ng
RT: 21.28 min Scan# 3691
Delta R.T. -0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:252 Resp: 11659

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	17.2	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
YS19-SB33-1014

Manual Integrations APPROVED
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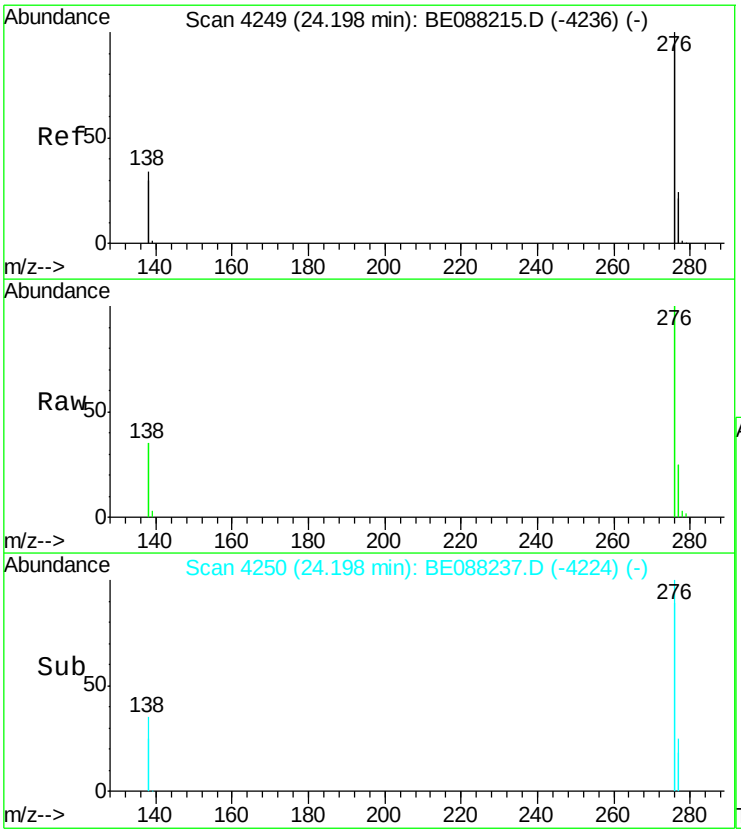

#27
Benzo(g,h,i)perylene
Concen: 1.03 ng
RT: 24.20 min Scan# 4250
Delta R.T. -0.00 min
Lab File: BE088237.D
Acq: 25 Oct 2014 7:50

Tgt Ion:276 Resp: 34103

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.4	29.2
138	34.8	27.3	40.9