Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
Data File : BE088325.D
Acq On : 27 Oct 2014 21:56
Operator : TP/JJ
Sample : SSTDICV001
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
mohammad
10/29/2014 11:11:35 AM

Quant Time: Oct 28 10:23:36 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 10:16:06 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	51795	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	199998	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	93669	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	185873	5.00	ng	0.00
16) Chrysene-d12	18.34	240	114513	5.00	ng	0.00
22) Perylene-d12	21.40	264	99547	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	16379	1.09	ng	0.00
8) 2-Fluorobiphenyl	10.00	172	29263	1.13	ng	0.00
18) Terphenyl-d14	16.10	244	22349	1.05	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.38	88	8029	1.09	ng	100
5) Naphthalene	8.69	128	45255	1.08	ng	100
6) 2-Methylnaphthalene	9.54	142	28585	1.05	ng	93
9) Acenaphthylene	10.64	152	169655	1.15	ng	100
10) Acenaphthene	10.85	154	24266	1.11	ng	99
11) Fluorene	11.52	166	27759	1.14	ng	99
13) Phenanthrene	12.96	178	195877	1.14	ng	99
14) Anthracene	13.05	178	153824	1.10	ng	100
15) Fluoranthene	15.20	202	34075	1.09	ng	100
17) Pyrene	15.66	202	36142	1.05	ng	100
19) Benzo(a)anthracene	18.32	228	109183	1.05	ng	99
20) Chrysene	18.40	228	108250	1.06	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	109919m	1.06	ng	
23) Benzo(b)fluoranthene	20.64	252	24795	1.05	ng	99
24) Benzo(k)fluoranthene	20.70	252	27126	1.09	ng	100
25) Benzo(a)pyrene	21.28	252	23262	1.07	ng	99
26) Dibenzo(a,h)anthracene	23.67	278	21592	1.04	ng	99
27) Benzo(g,h,i)perylene	24.20	276	94602	1.05	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
Data File : BE088325.D
Acq On : 27 Oct 2014 21:56
Operator : TP/JJ
Sample : SSTDICV001
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 28 10:23:36 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
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Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
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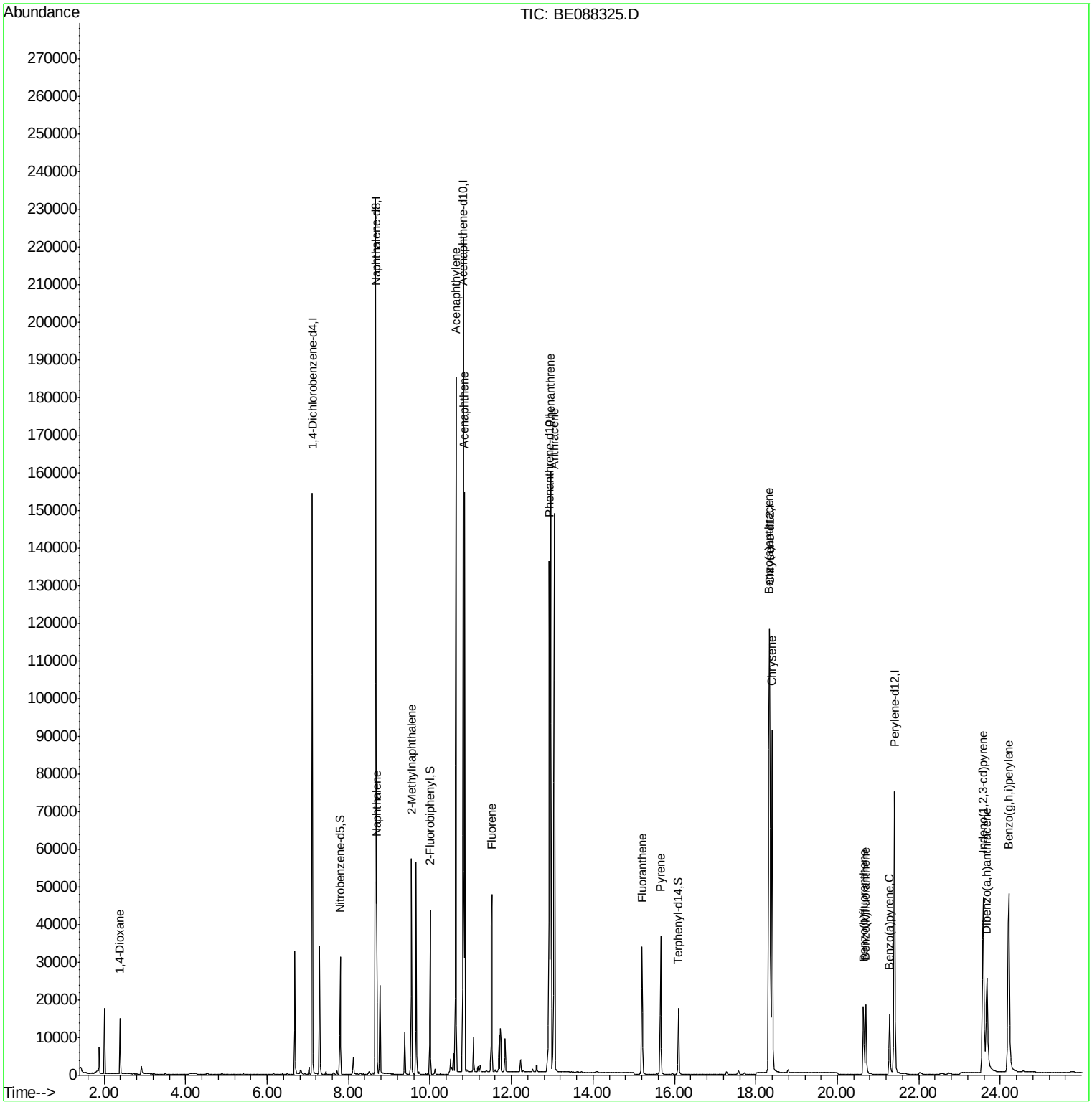
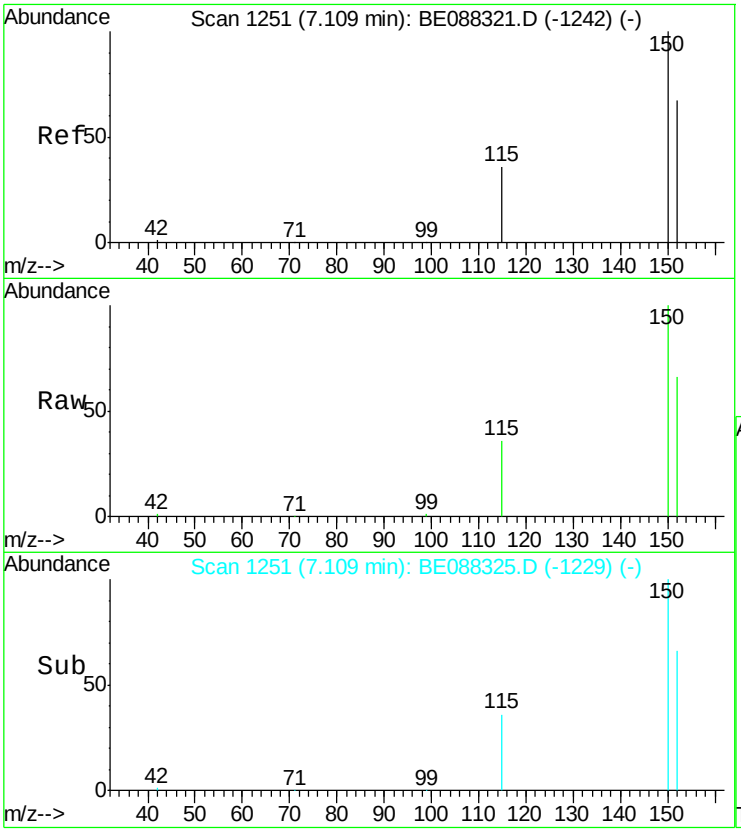
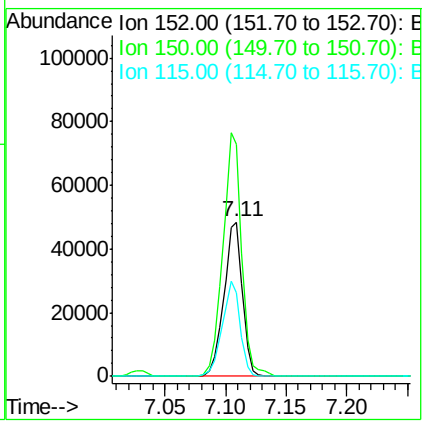




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:152 Resp: 51795

Ion	Ratio	Lower	Upper
152	100		
150	150.6	119.3	178.9
115	54.3	42.6	64.0



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
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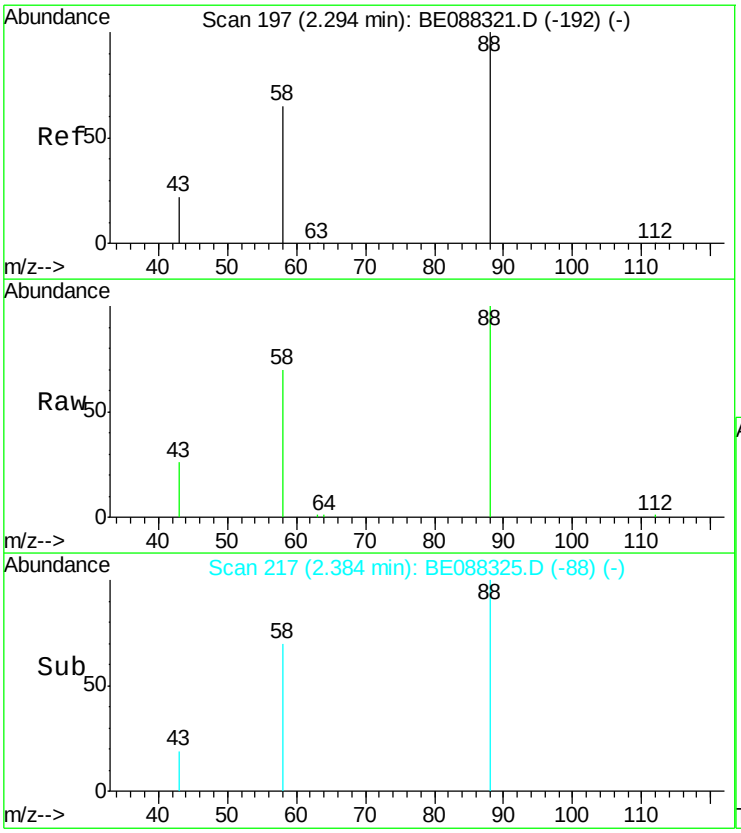
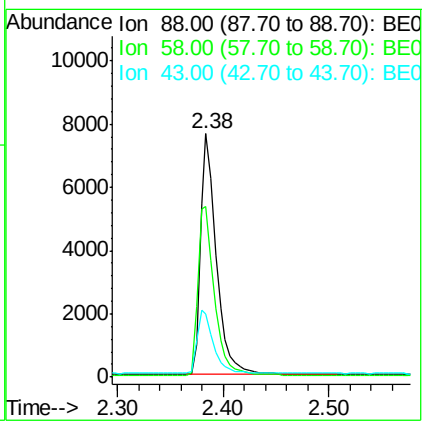
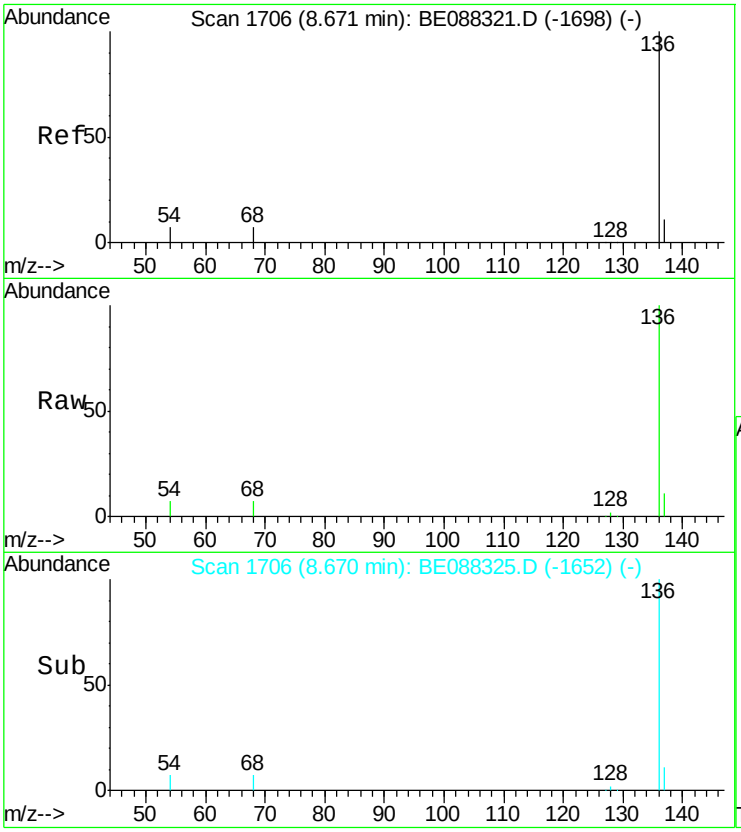


#2
1,4-Dioxane
Concen: 1.09 ng
RT: 2.38 min Scan# 217
Delta R.T. 0.09 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion: 88 Resp: 8029

Ion	Ratio	Lower	Upper
88	100		
58	74.1	59.4	89.0
43	27.1	21.4	32.2

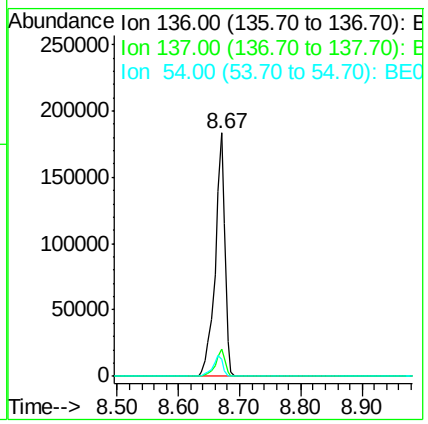




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.67 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:136 Resp: 199998

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.5	8.3



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
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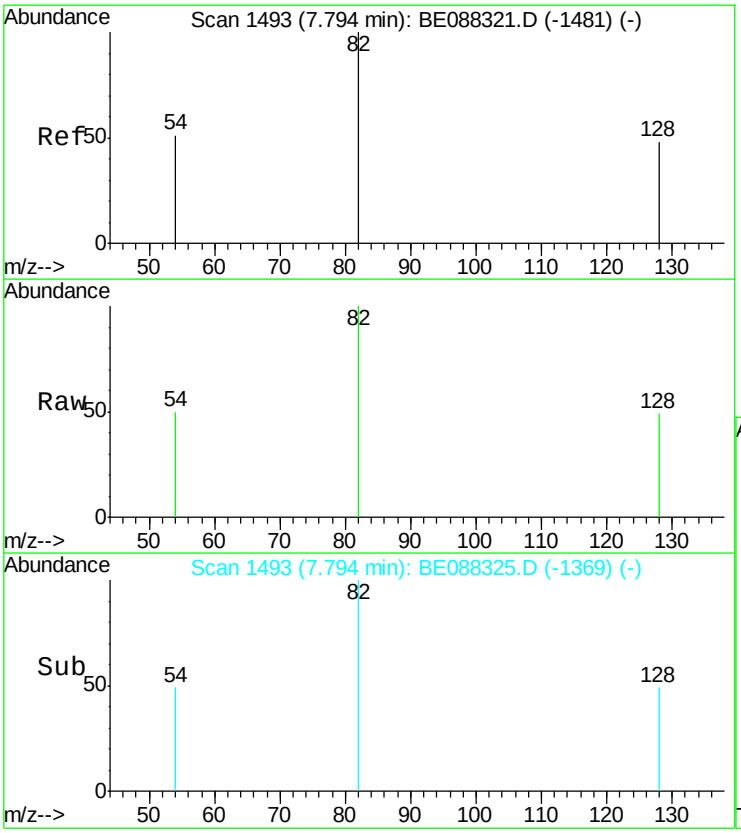
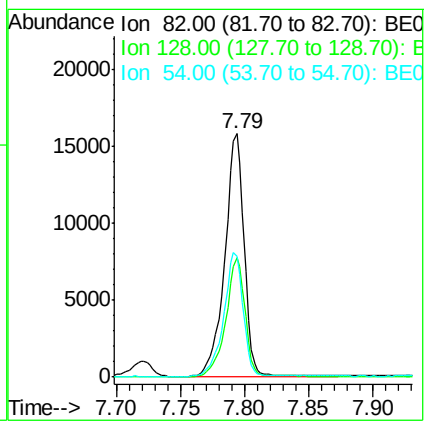
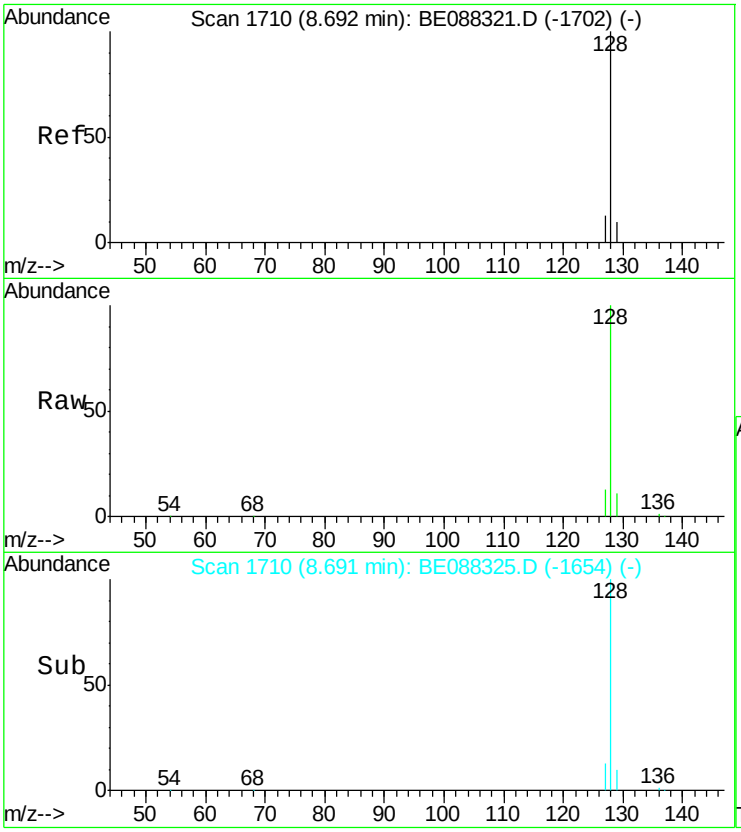


#4
Nitrobenzene-d5
Concen: 1.09 ng
RT: 7.79 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion: 82 Resp: 16379

Ion	Ratio	Lower	Upper
82	100		
128	49.0	38.7	58.1
54	49.6	41.0	61.4

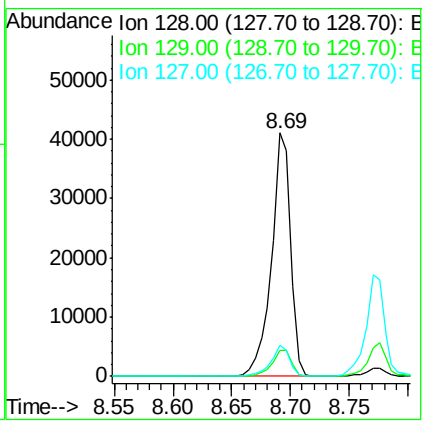




#5
Naphthalene
Concen: 1.08 ng
RT: 8.69 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:128 Resp: 45255

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.5	12.7
127	12.7	10.2	15.2



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
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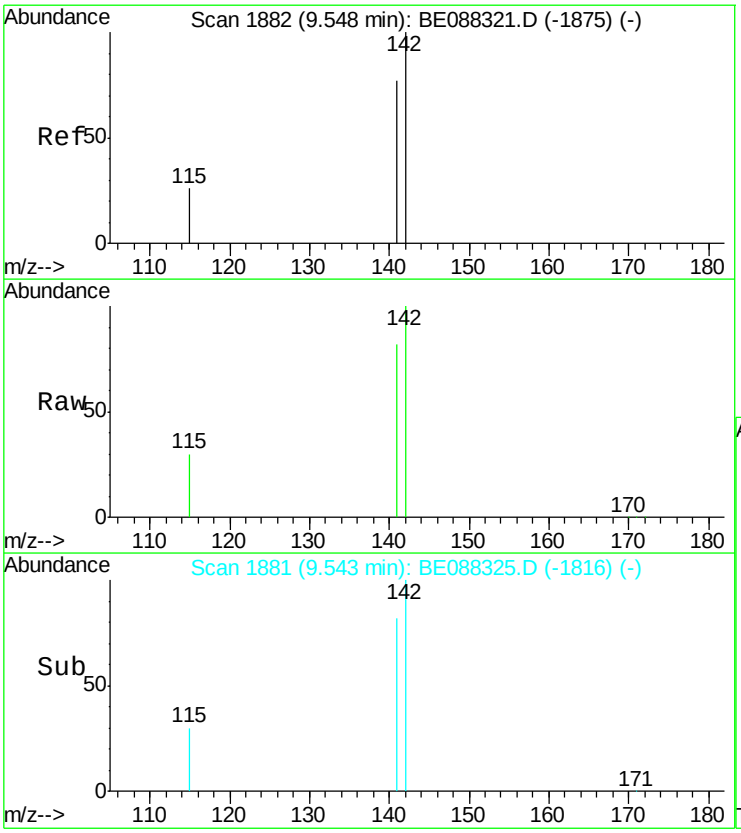
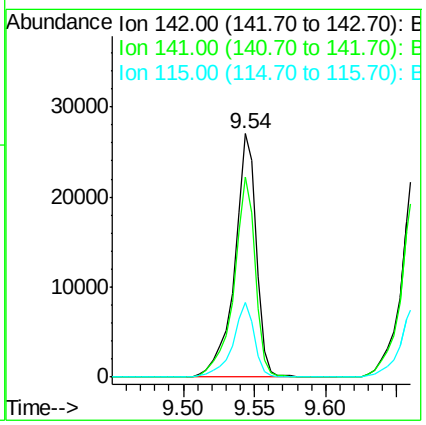
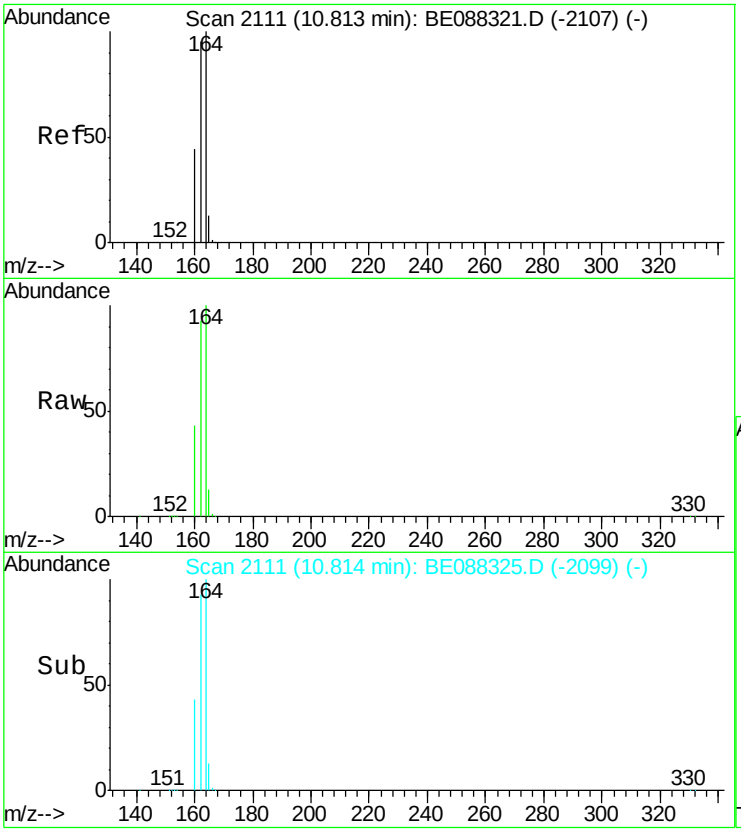


#6
2-Methylnaphthalene
Concen: 1.05 ng
RT: 9.54 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:142 Resp: 28585

Ion	Ratio	Lower	Upper
142	100		
141	82.1	61.4	92.0
115	30.4	21.0	31.6

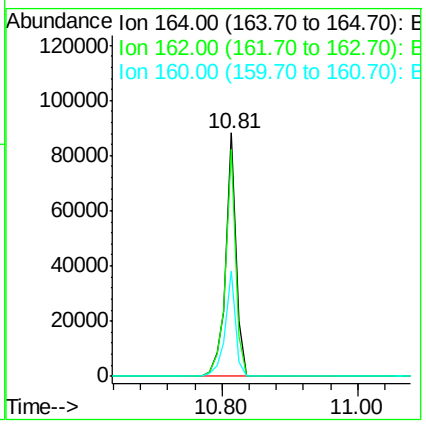




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.81 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:164 Resp: 93669

Ion	Ratio	Lower	Upper
164	100		
162	93.4	75.7	113.5
160	43.3	35.6	53.4



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
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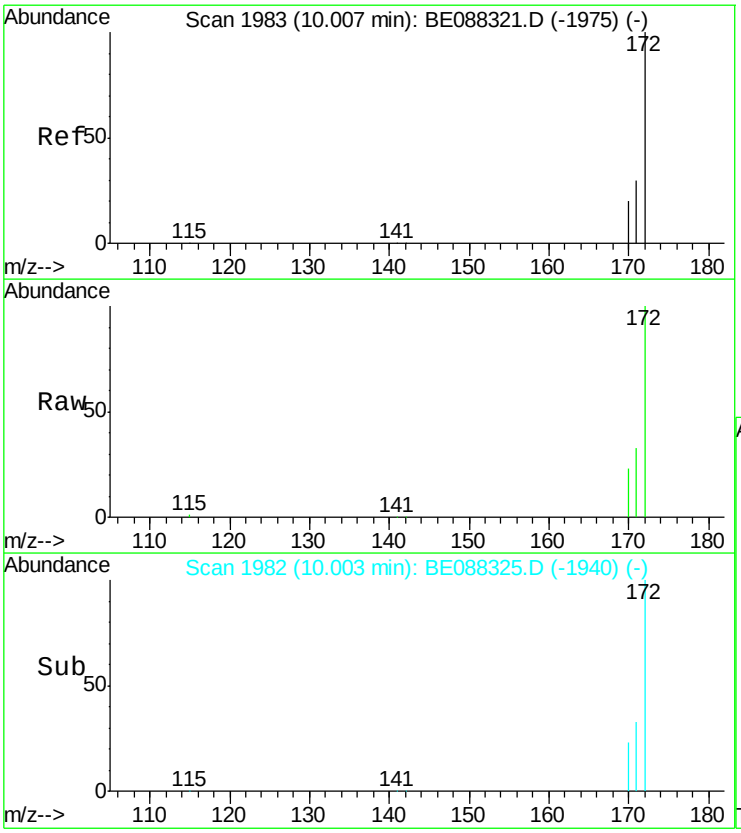
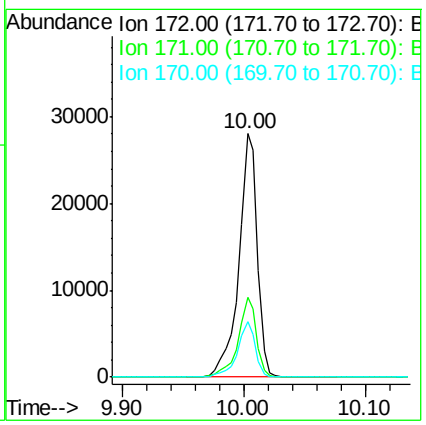
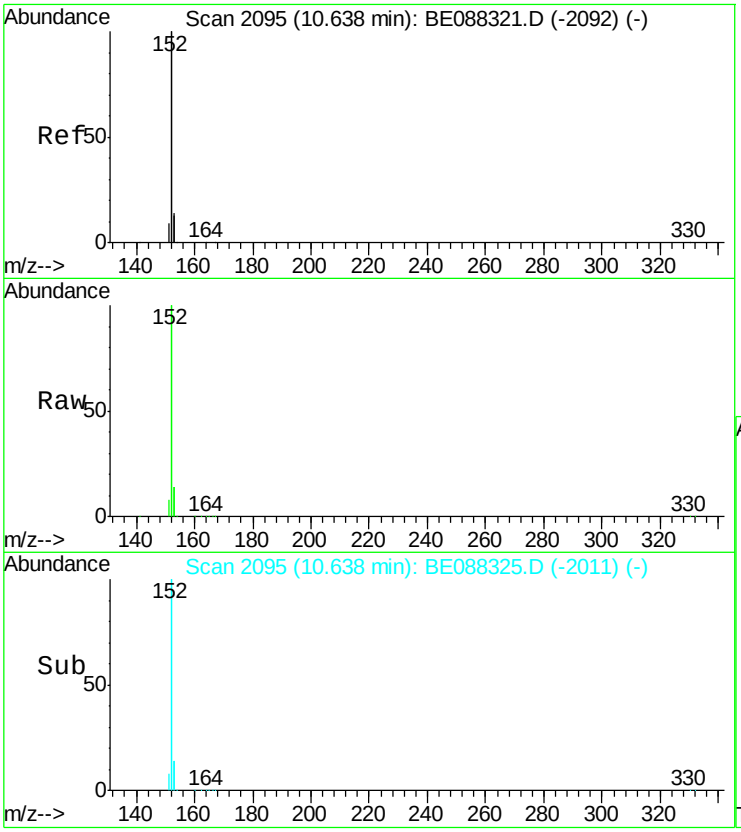


#8
2-Fluorobiphenyl
Concen: 1.13 ng
RT: 10.00 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:172 Resp: 29263

Ion	Ratio	Lower	Upper
172	100		
171	32.8	24.5	36.7
170	22.9	15.8	23.6

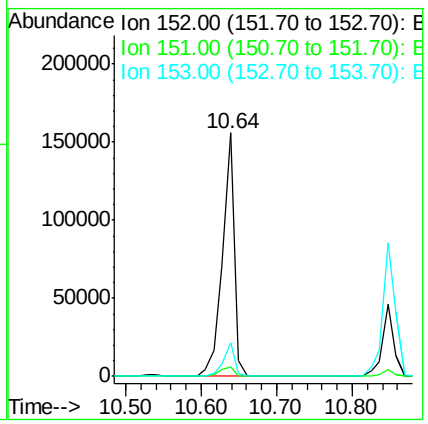




#9
Acenaphthylene
Concen: 1.15 ng
RT: 10.64 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:152 Resp: 169655

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.1	10.5	15.7



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
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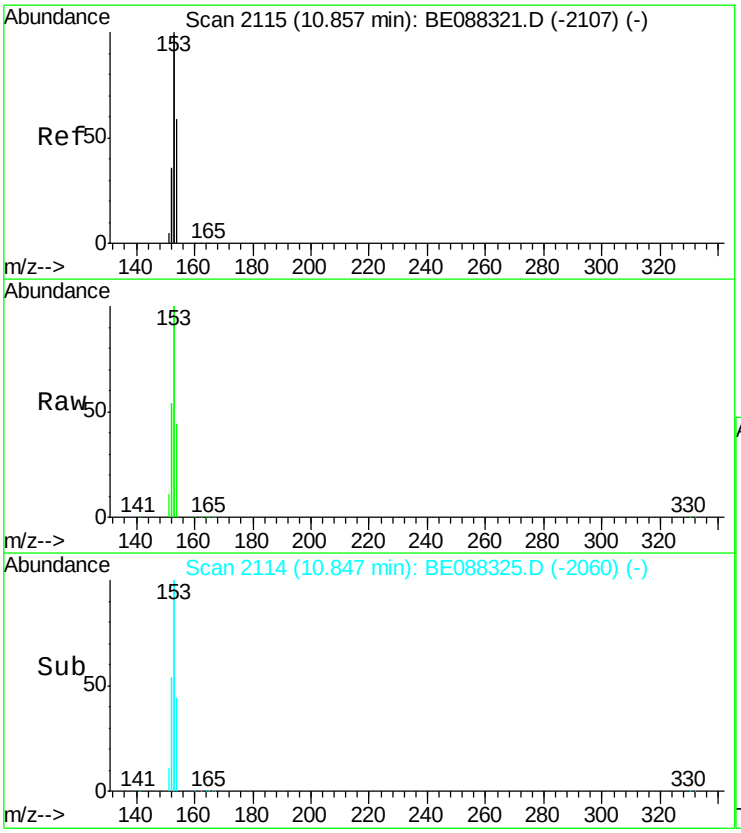
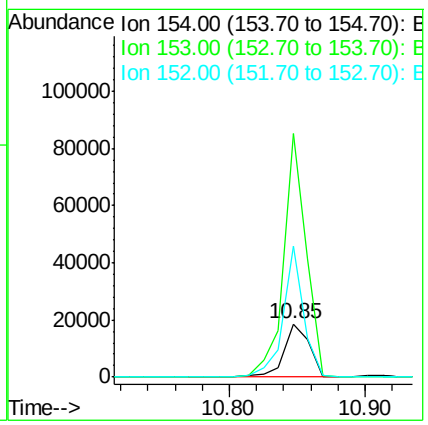
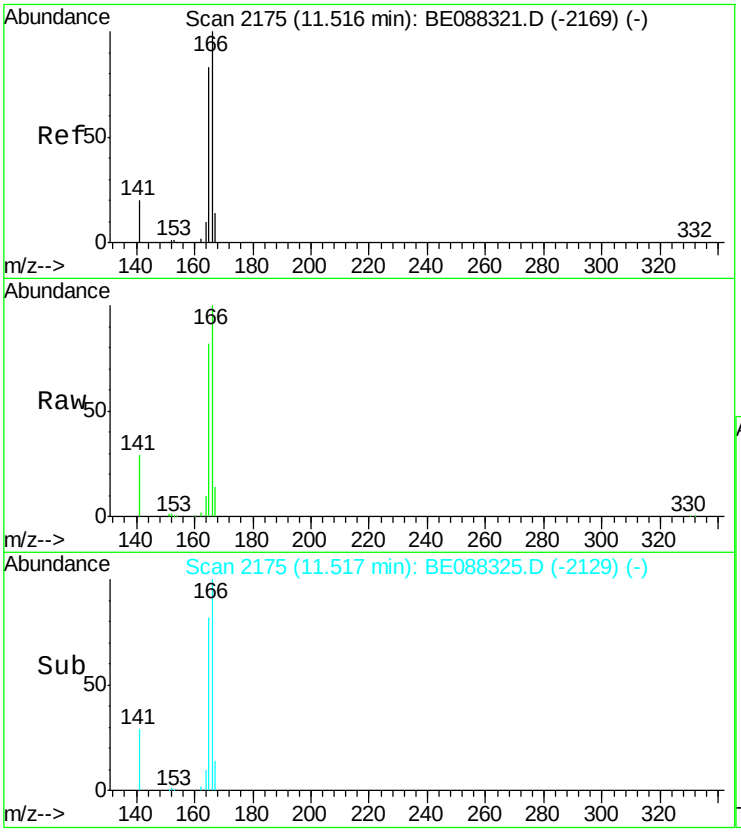


#10
Acenaphthene
Concen: 1.11 ng
RT: 10.85 min Scan# 2114
Delta R.T. -0.01 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:154 Resp: 24266

Ion	Ratio	Lower	Upper
154	100		
153	405.3	323.8	485.6
152	196.7	154.8	232.2

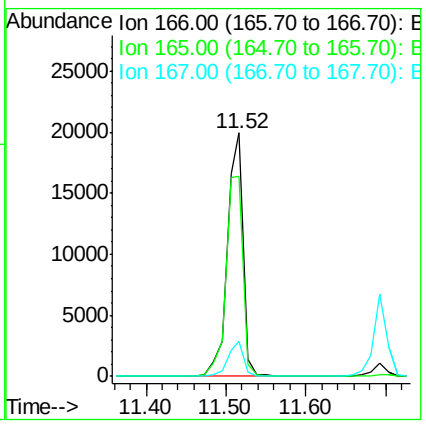




#11
Fluorene
Concen: 1.14 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:166 Resp: 27759

Ion	Ratio	Lower	Upper
166	100		
165	89.5	70.6	105.8
167	13.4	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
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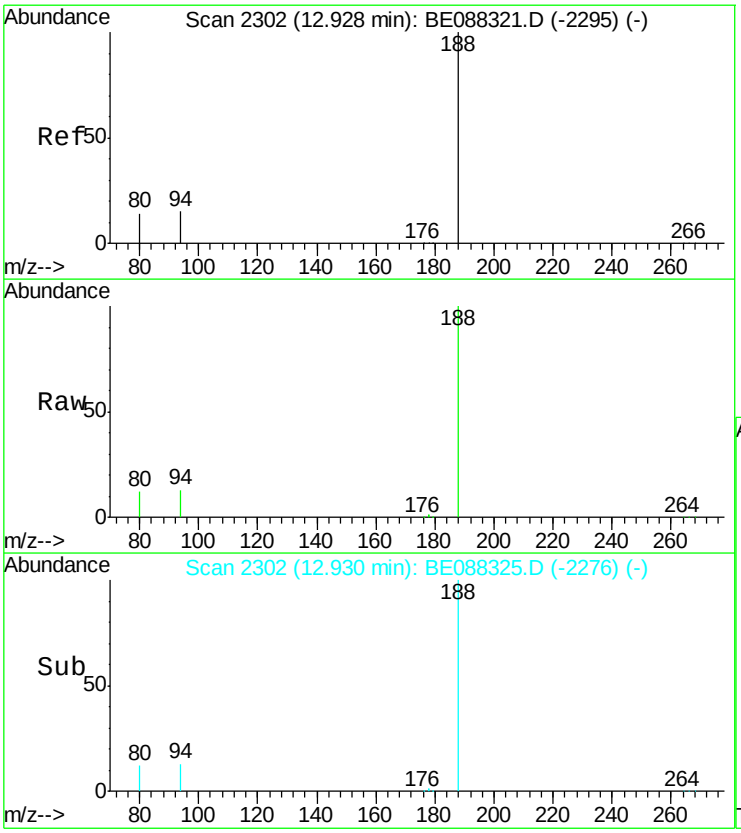
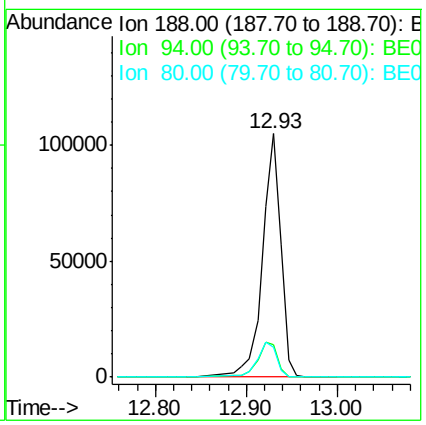
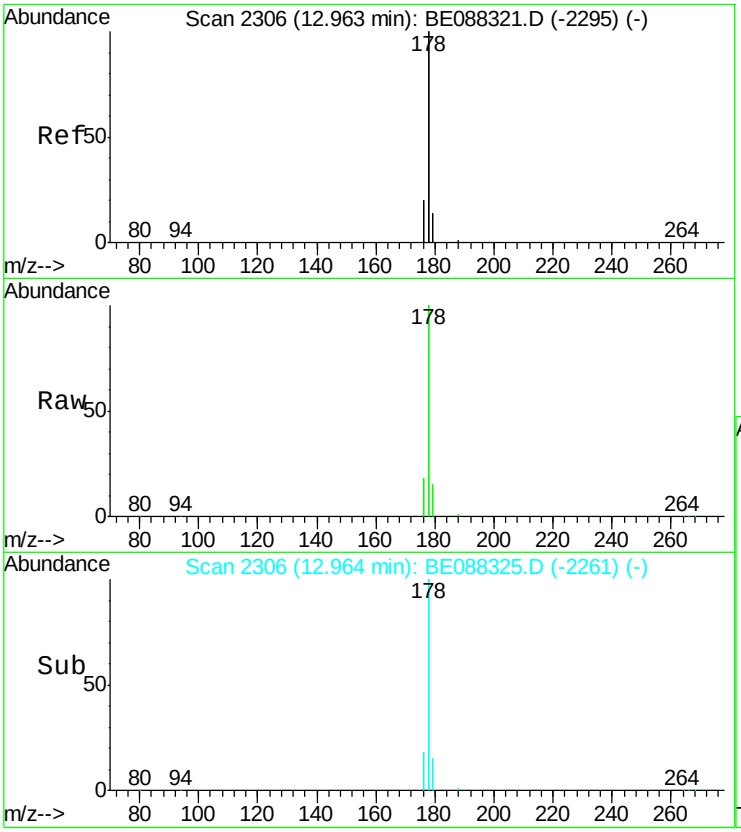


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.93 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:188 Resp: 185873

Ion	Ratio	Lower	Upper
188	100		
94	13.3	12.0	18.0
80	12.0	11.3	16.9

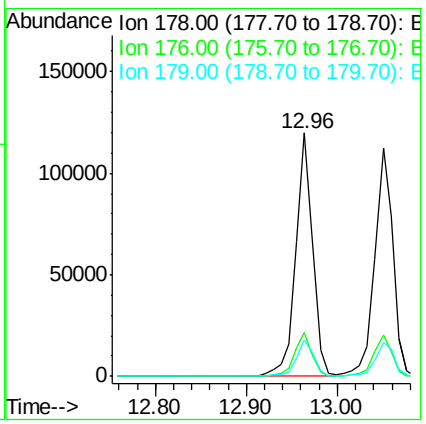




#13
Phenanthrene
Concen: 1.14 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:178 Resp: 195877

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	16.1	13.2	19.8



Instrument :
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ClientSampleId :
ICVBE102714

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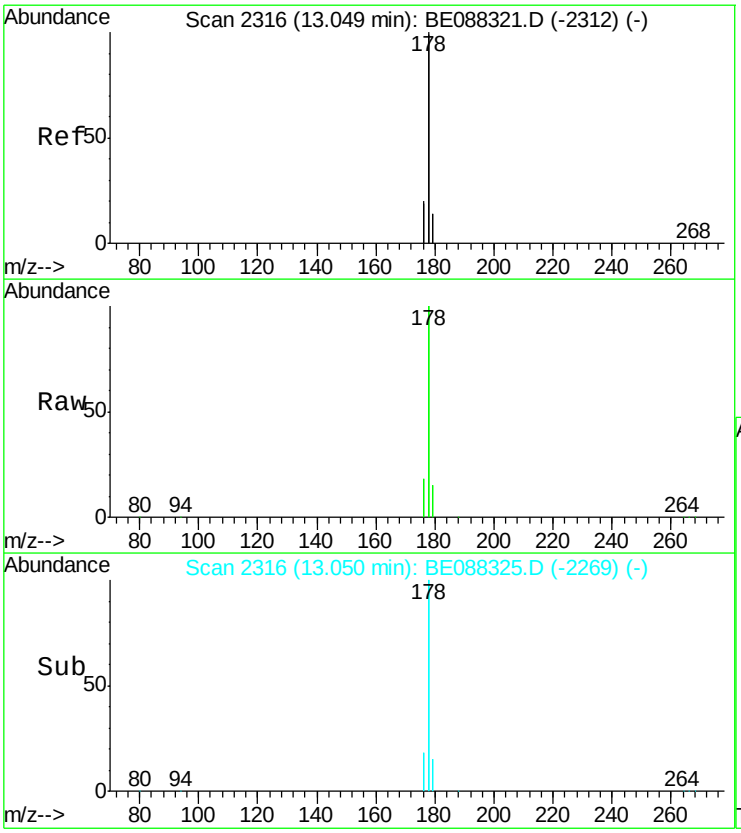
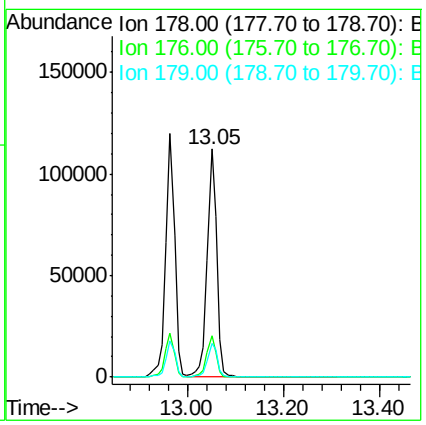
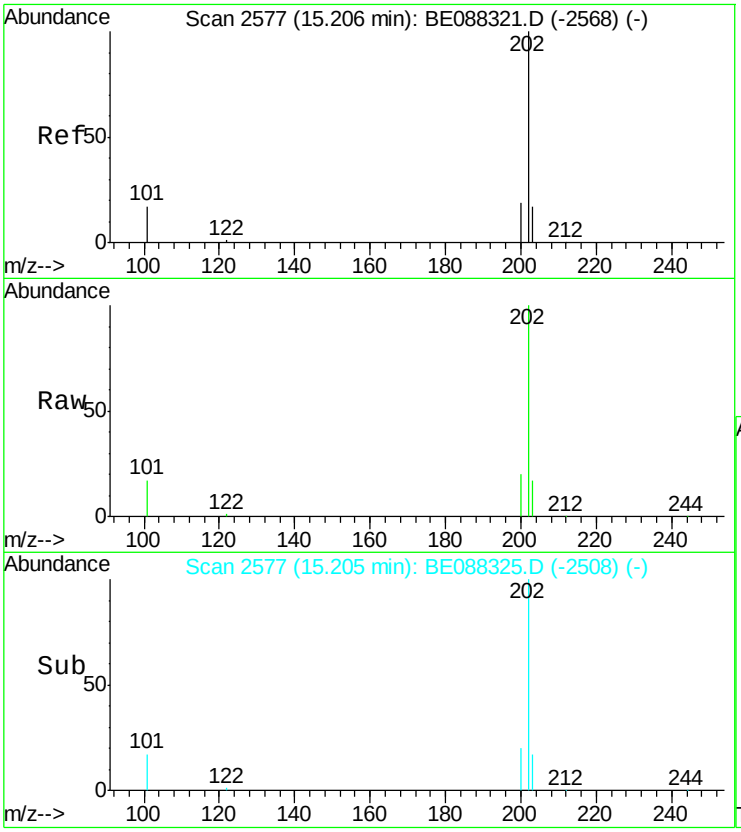


#14
Anthracene
Concen: 1.10 ng
RT: 13.05 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:178 Resp: 153824

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.8	12.6	18.8





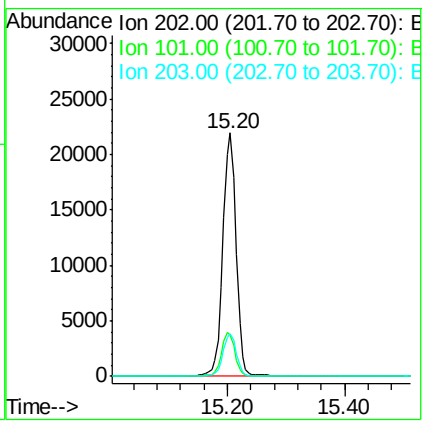
#15
Fluoranthene
Concen: 1.09 ng
RT: 15.20 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

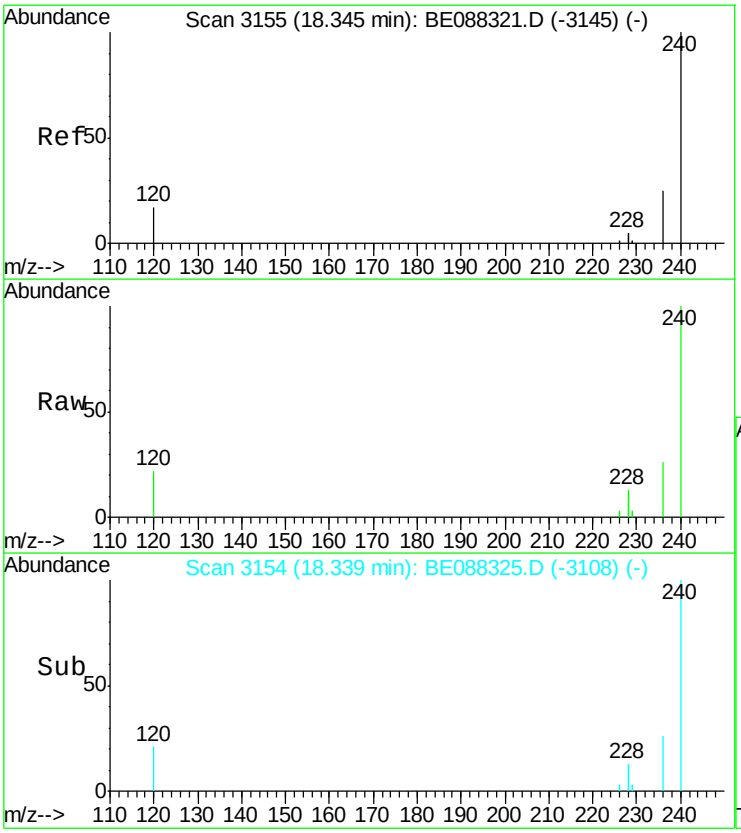
Tgt Ion:202 Resp: 34075

Ion	Ratio	Lower	Upper
202	100		
101	18.0	14.6	21.8
203	17.1	13.8	20.6

Instrument :
BNA_E
ClientSampleId :
ICVBE102714

Manual Integrations APPROVED
mohammad
10/29/2014 11:11:35 AM

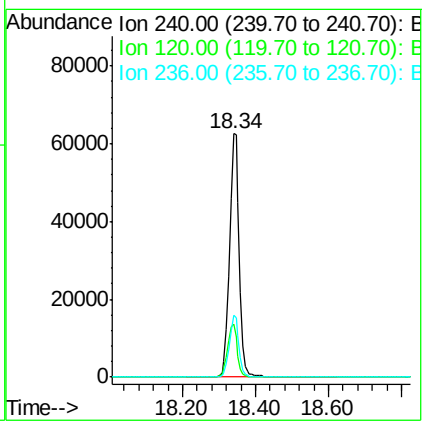


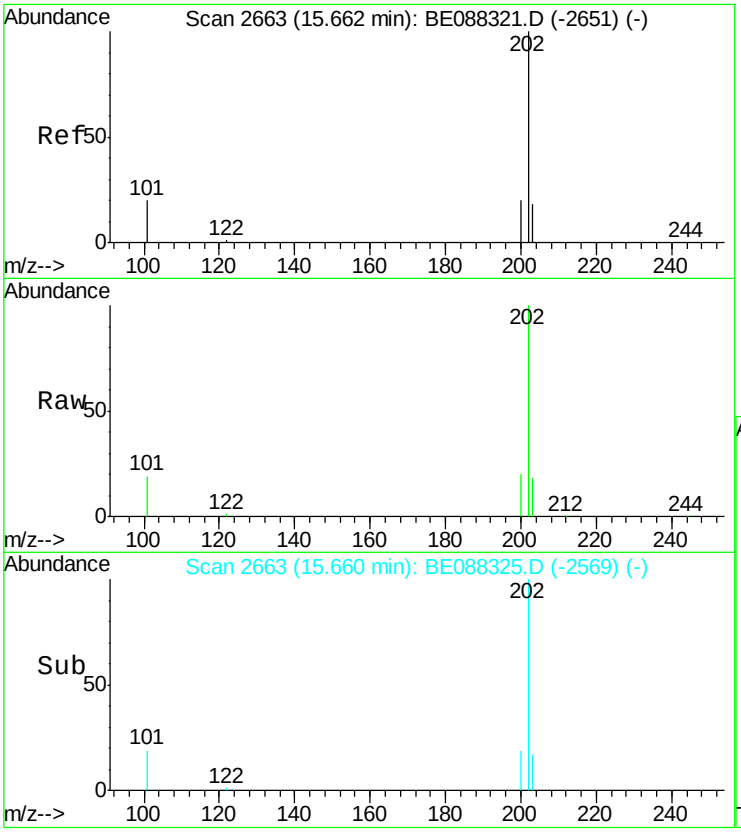


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:240 Resp: 114513

Ion	Ratio	Lower	Upper
240	100		
120	21.5	13.4	20.0#
236	25.6	20.0	30.0

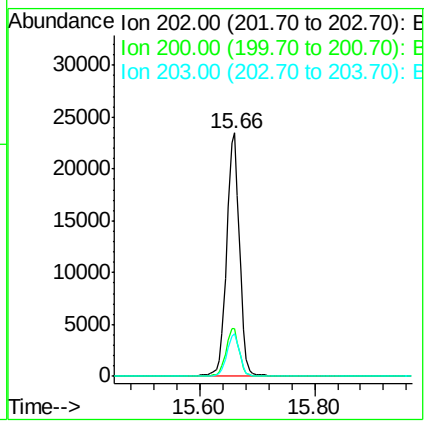




#17
Pyrene
Concen: 1.05 ng
RT: 15.66 min Scan# 2663
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:202 Resp: 36142

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.3	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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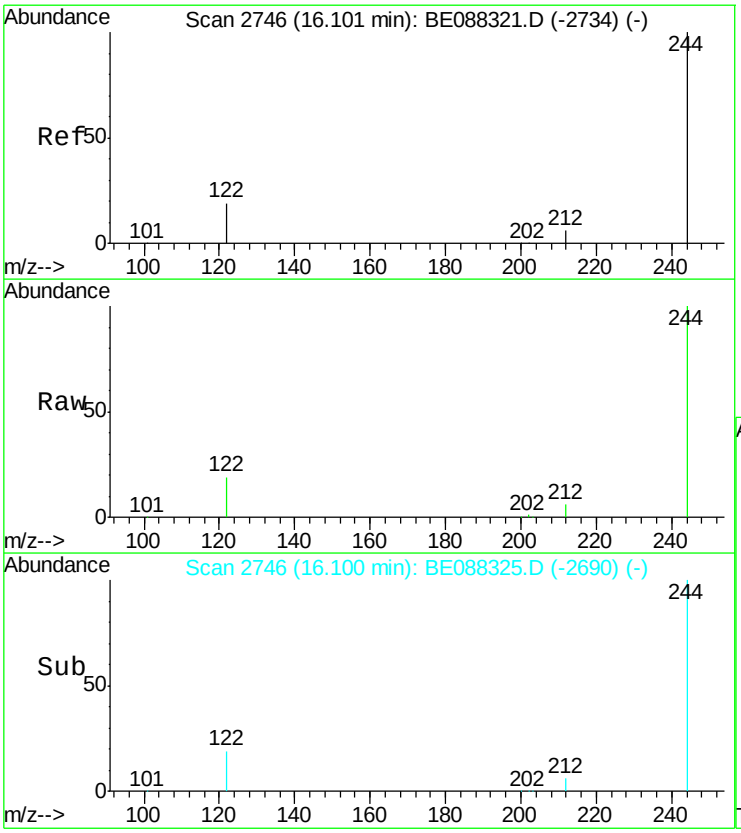
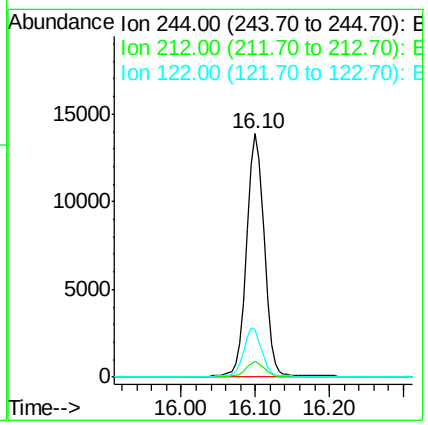
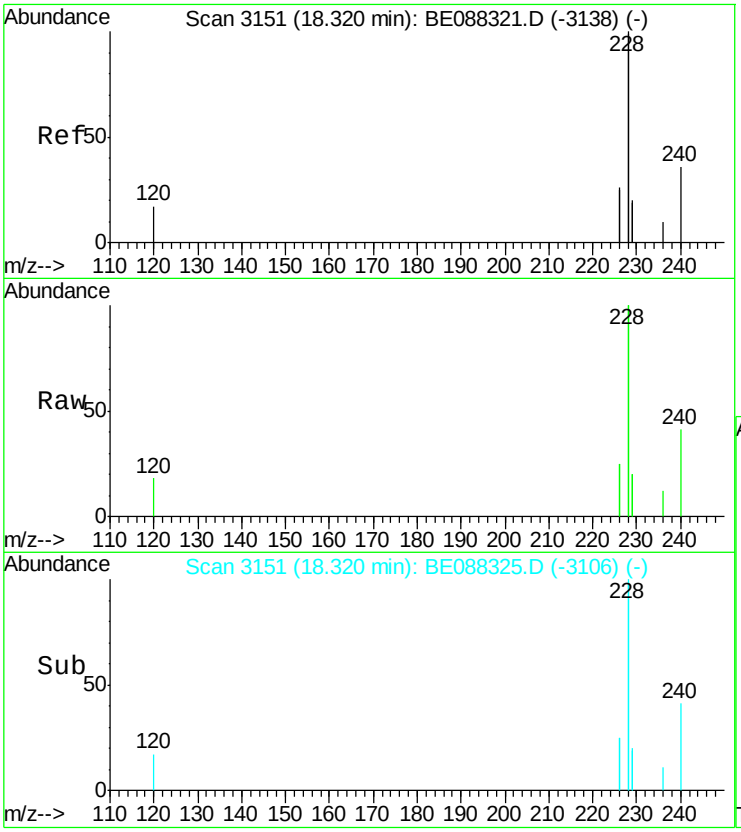


#18
Terphenyl-d14
Concen: 1.05 ng
RT: 16.10 min Scan# 2746
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:244 Resp: 22349

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	19.4	15.8	23.8

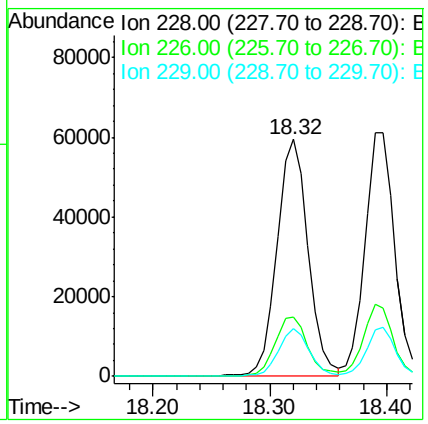




#19
Benzo(a)anthracene
Concen: 1.05 ng
RT: 18.32 min Scan# 3151
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:228 Resp: 109183

Ion	Ratio	Lower	Upper
228	100		
226	25.2	20.7	31.1
229	20.1	15.7	23.5



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

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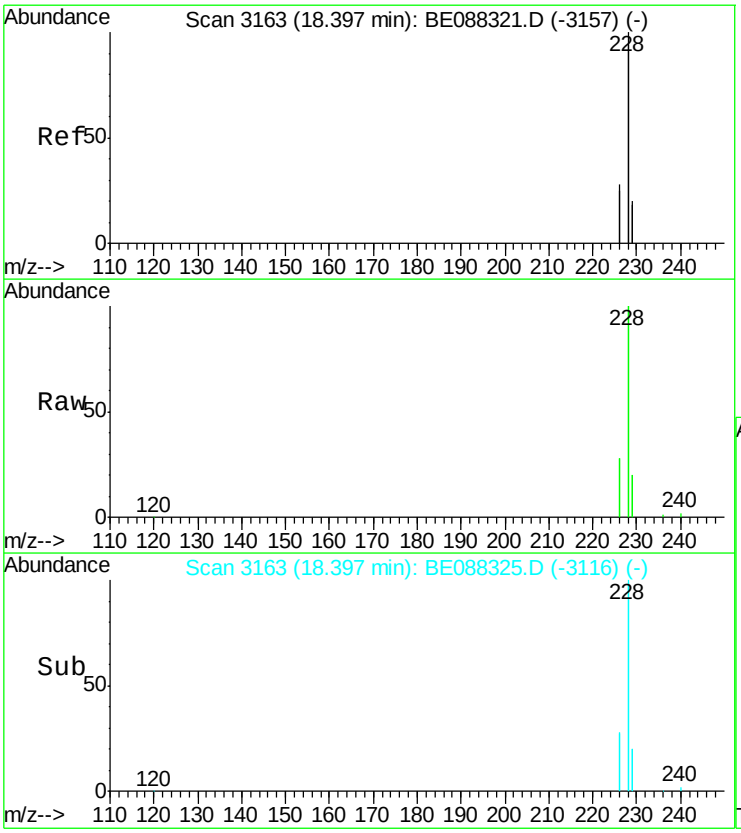
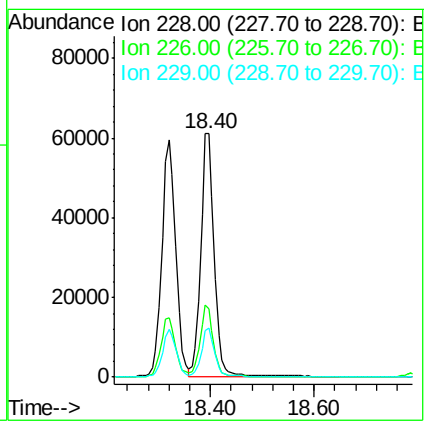
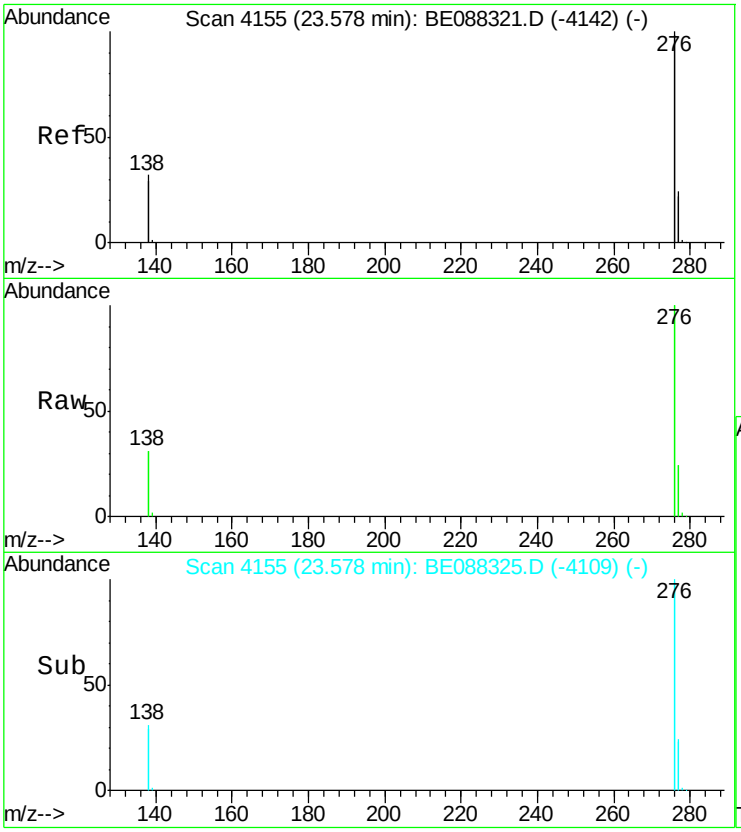


#20
Chrysene
Concen: 1.06 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:228 Resp: 108250

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.7	34.1
229	20.1	15.6	23.4





#21
Indeno(1,2,3-cd)pyrene
Concen: 1.06 ng m
RT: 23.58 min Scan# 4155
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Instrument :
BNA_E
ClientSampleId :
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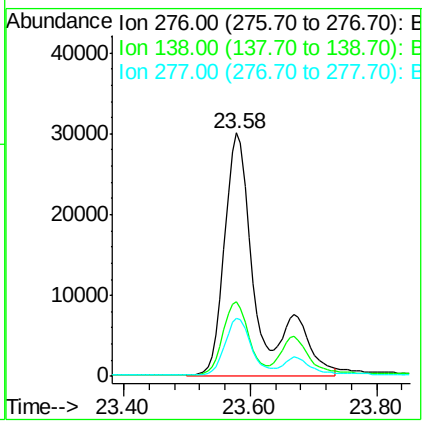
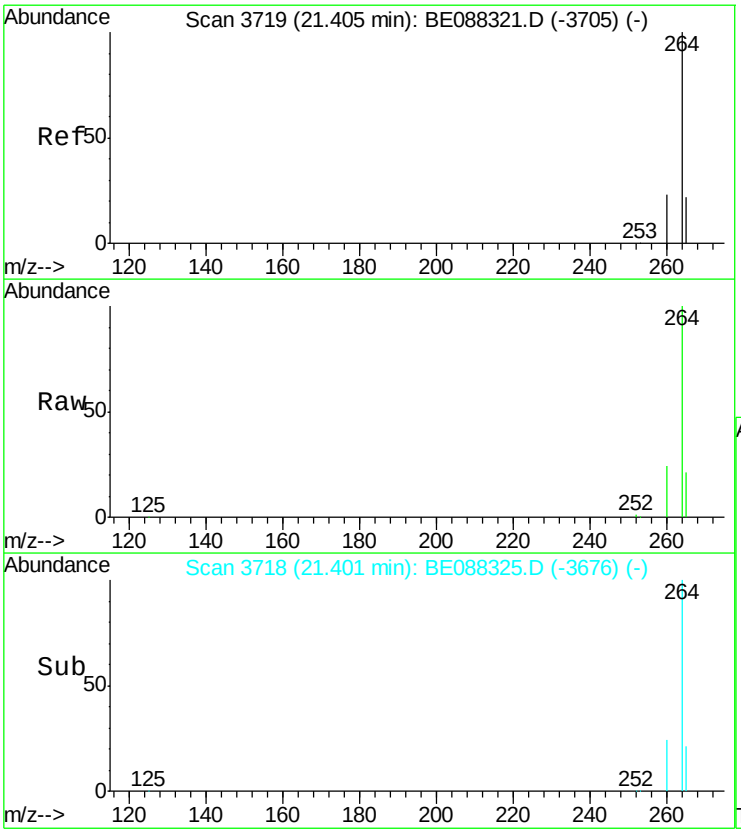
Tgt Ion:276 Resp: 109919

Ion	Ratio	Lower	Upper
276	100		
138	23.5	24.6	37.0#
277	18.2	19.0	28.6#

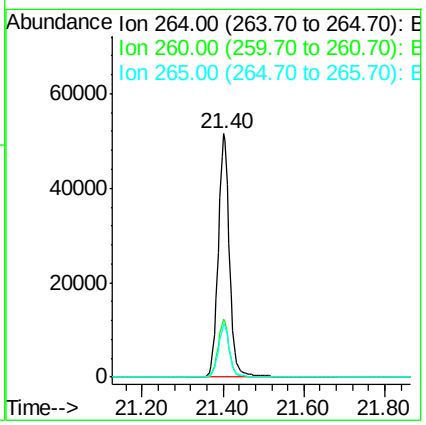


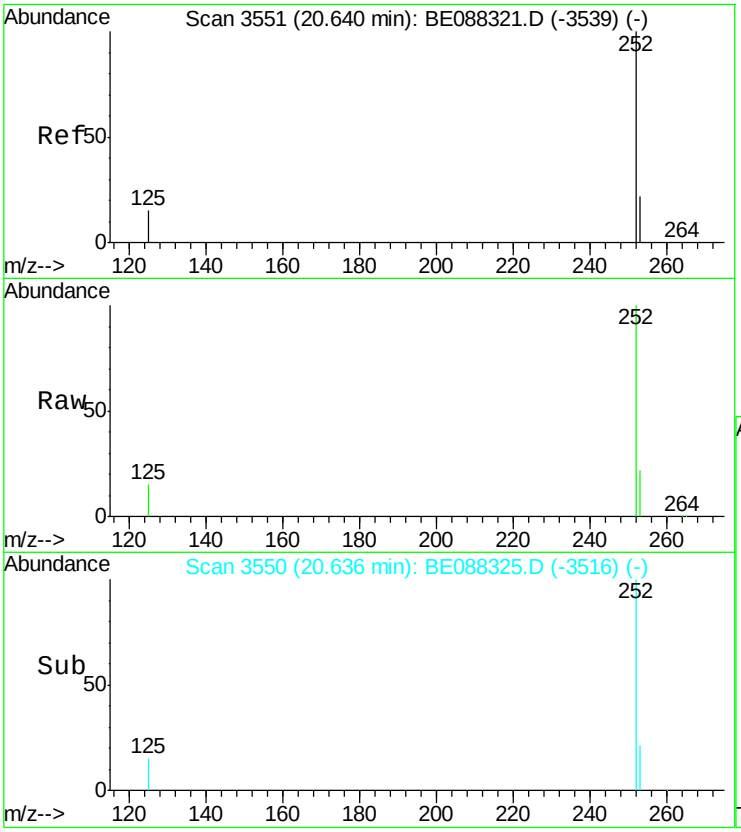


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:264 Resp: 99547

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.5	17.4	26.0





#23
Benzo(b)fluoranthene
Concen: 1.05 ng
RT: 20.64 min Scan# 3550
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:252 Resp: 24795

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	15.1	12.2	18.2

Instrument :
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ClientSampleId :
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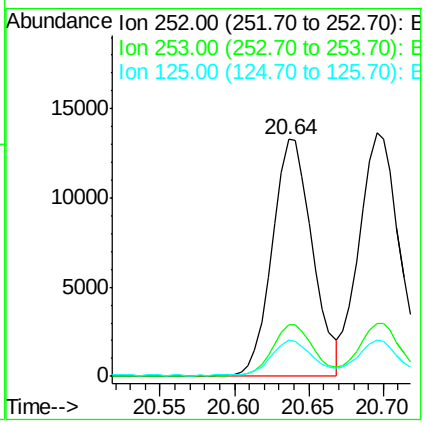
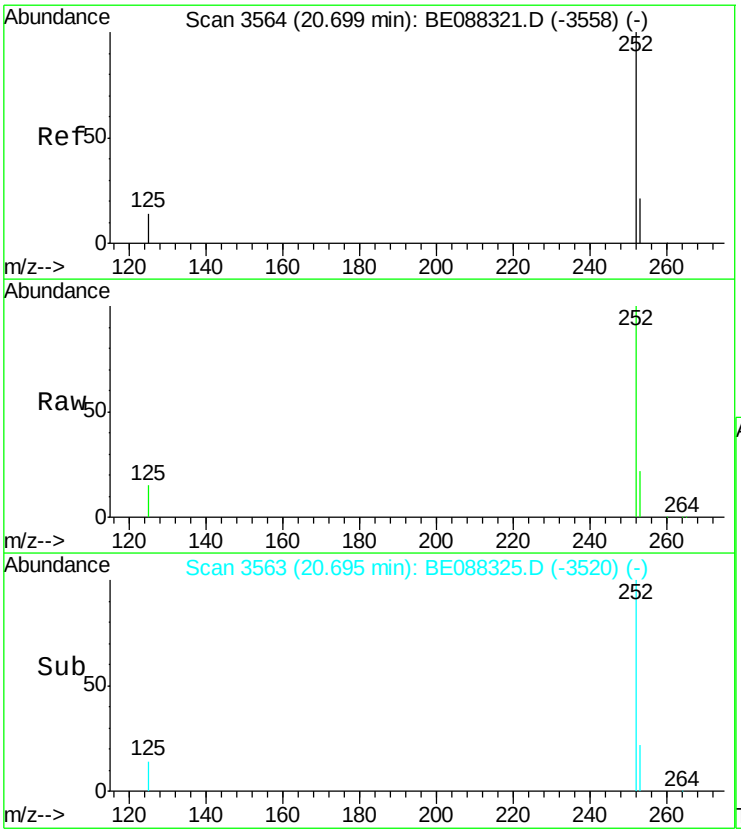
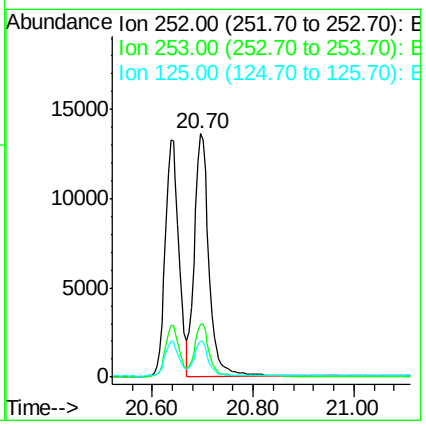


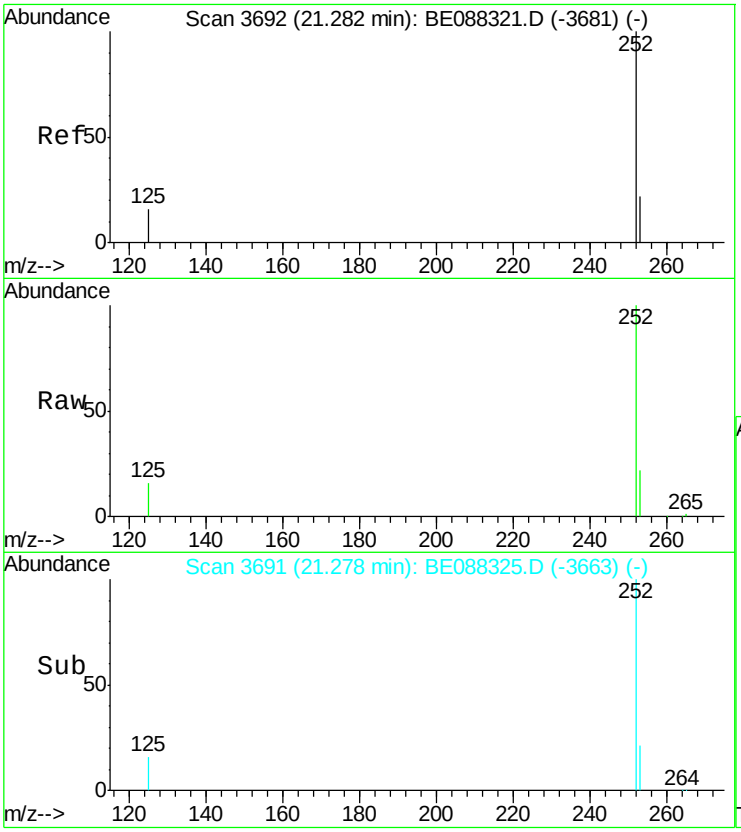


#24
Benzo(k)fluoranthene
Concen: 1.09 ng
RT: 20.70 min Scan# 3563
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:252 Resp: 27126

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.9	11.9	17.9

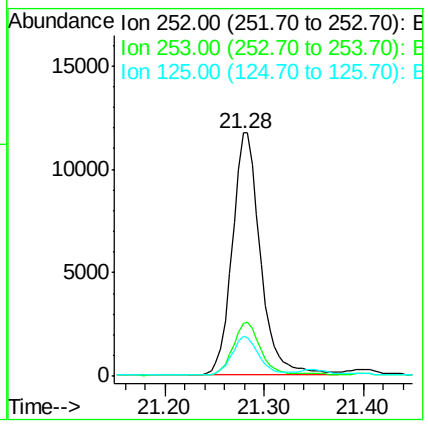




#25
Benzo(a)pyrene
Concen: 1.07 ng
RT: 21.28 min Scan# 3691
Delta R.T. -0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:252 Resp: 23262

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	16.3	13.2	19.8



Instrument :
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ClientSampleId :
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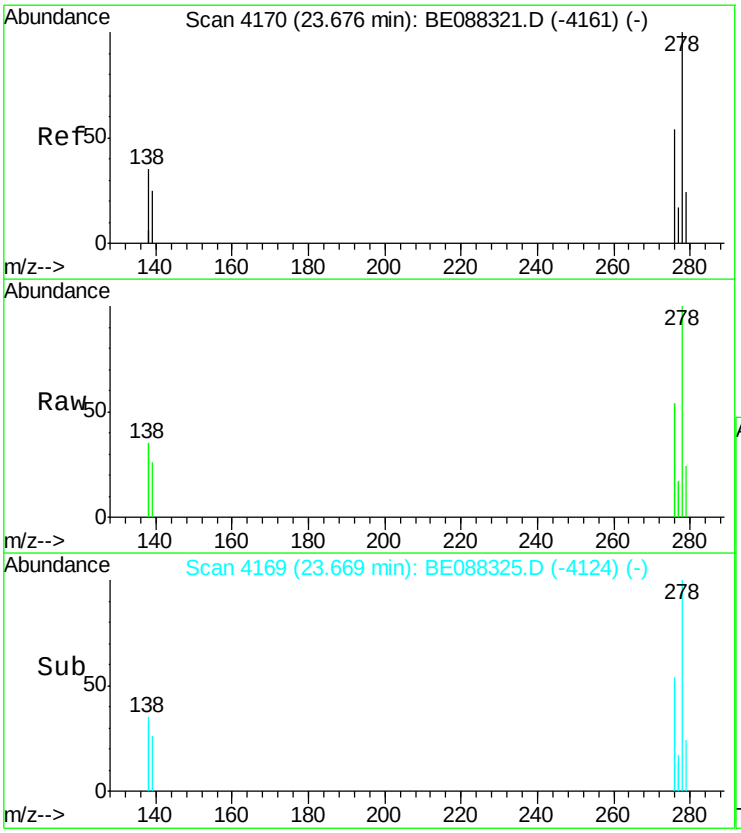
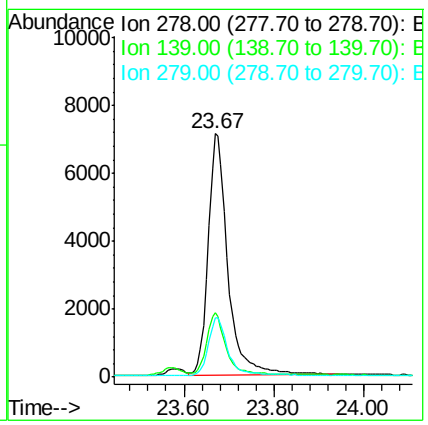
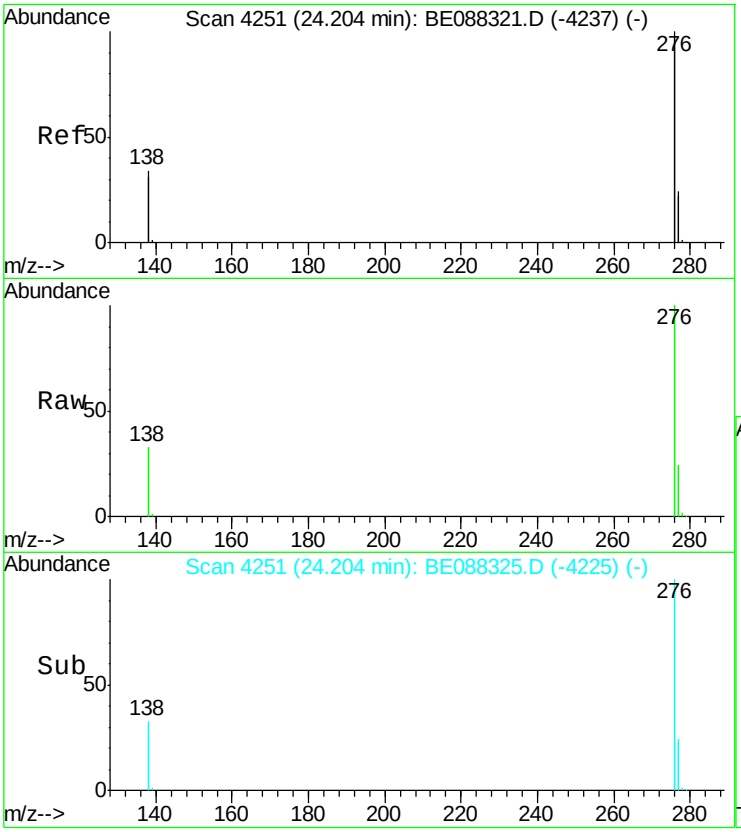


#26
Dibenzo(a,h)anthracene
Concen: 1.04 ng
RT: 23.67 min Scan# 4169
Delta R.T. -0.01 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:278 Resp: 21592

Ion	Ratio	Lower	Upper
278	100		
139	26.3	21.0	31.4
279	24.3	19.8	29.8

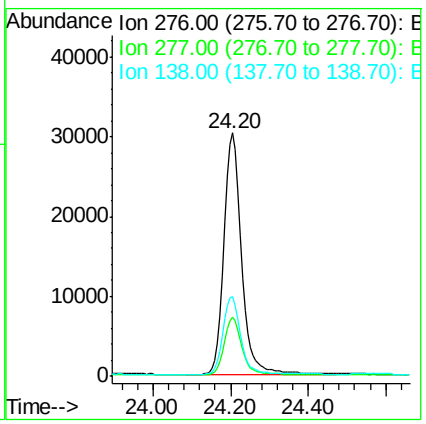




#27
Benzo(g,h,i)perylene
Concen: 1.05 ng
RT: 24.20 min Scan# 4251
Delta R.T. 0.00 min
Lab File: BE088325.D
Acq: 27 Oct 2014 21:56

Tgt Ion:276 Resp: 94602

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	32.6	27.0	40.4



Instrument :
BNA_E
ClientSampleId :
ICVBE102714

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