Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089355.D
Acq On : 8 Jan 2015 9:07
Operator : TP/IZ
Sample : PB81206BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
TEJASKUMAR
1/9/2015 5:22:06 PM

Quant Time: Jan 08 15:56:18 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 15:21:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	12217	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	49890	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	26318	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	43046	5.00	ng	0.00
15) Chrysene-d12	18.06	240	26446	5.00	ng	0.00
21) Perylene-d12	21.12	264	26681	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.64	82	23761	6.85	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	44006	6.13	ng	0.00
17) Terphenyl-d14	15.85	244	33895	7.24	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	68464	6.09	ng	98
5) 2-Methylnaphthalene	9.39	142	42823	6.10	ng	97
8) Acenaphthylene	10.47	152	256587	5.70	ng	99
9) Acenaphthene	10.69	154	37244	5.31	ng	95
10) Fluorene	11.34	166	43071	5.73	ng	100
12) Phenanthrene	12.75	178	241993	5.39	ng	98
13) Anthracene	12.84	178	247447	5.71	ng	98
14) Fluoranthene	14.95	202	51091	5.15	ng	99
16) Pyrene	15.40	202	52079	6.00	ng	98
18) Benzo(a)anthracene	18.05	228	140870	5.25	ng	99
19) Chrysene	18.12	228	147761	5.49	ng	98
20) Indeno(1,2,3-cd)pyrene	23.21	276	159938m	6.21	ng	
22) Benzo(b)fluoranthene	20.36	252	32249	5.53	ng	99
23) Benzo(k)fluoranthene	20.42	252	40046	5.45	ng	98
24) Benzo(a)pyrene	21.00	252	34050	5.92	ng	97
25) Dibenzo(a,h)anthracene	23.30	278	30678	5.82	ng	96
26) Benzo(g,h,i)perylene	23.79	276	144820	5.46	ng	98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089355.D
Acq On : 8 Jan 2015 9:07
Operator : TP/IZ
Sample : PB81206BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jan 08 15:56:18 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 15:21:44 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
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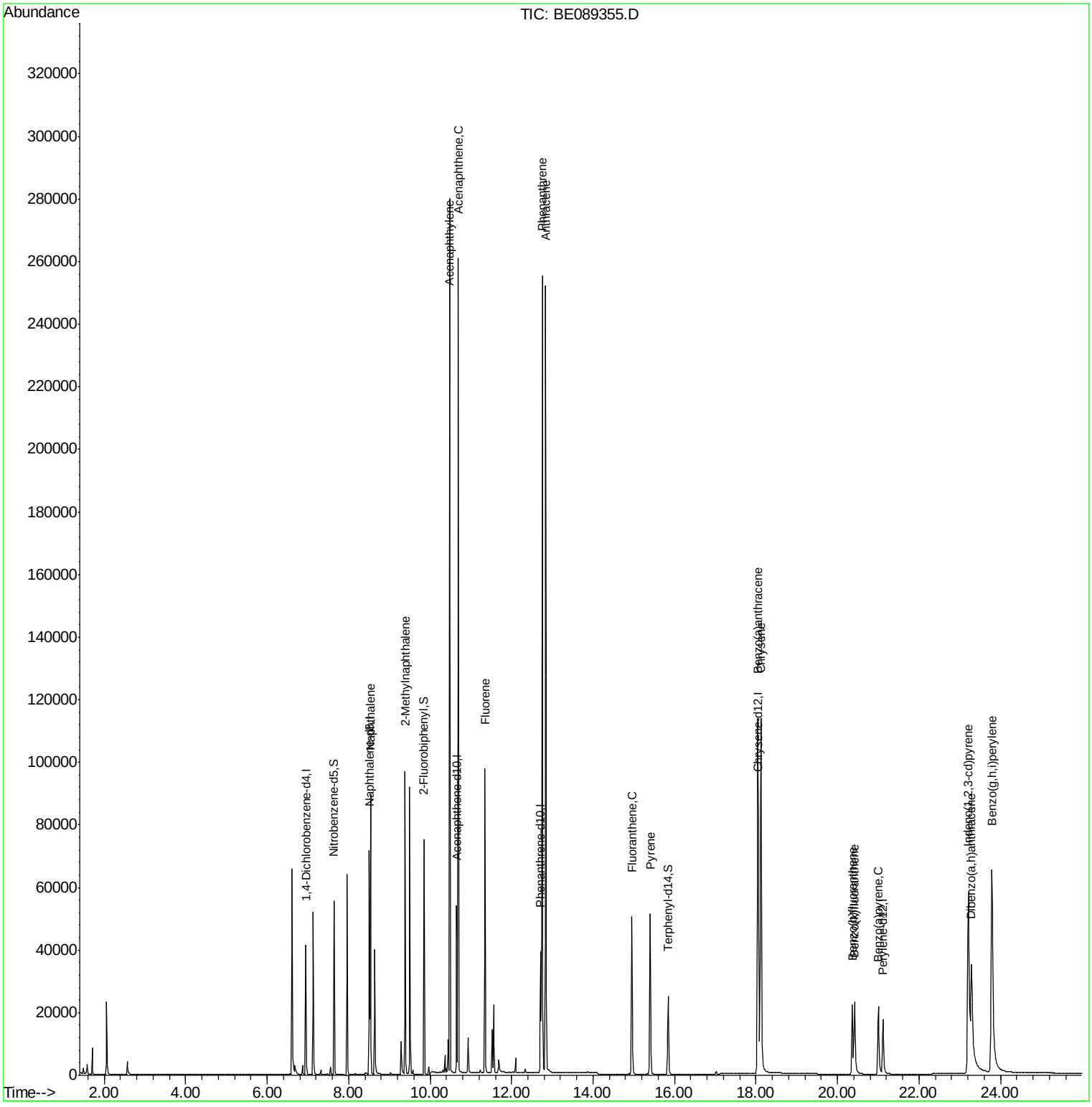
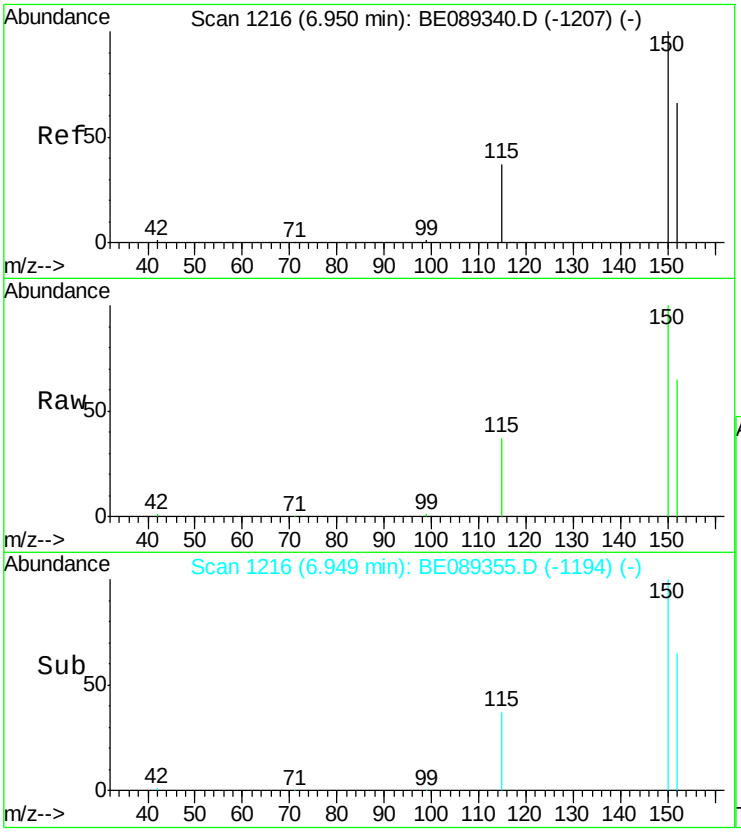
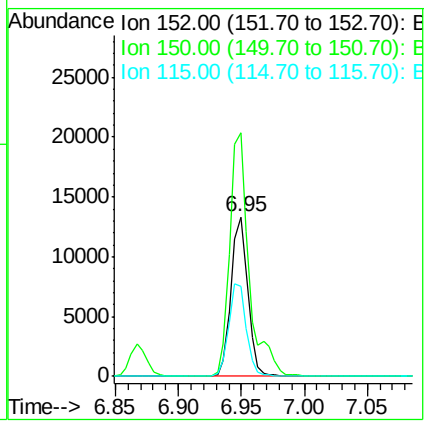




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.95 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:152 Resp: 12217

Ion	Ratio	Lower	Upper
152	100		
150	153.0	121.5	182.3
115	56.3	45.2	67.8



Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
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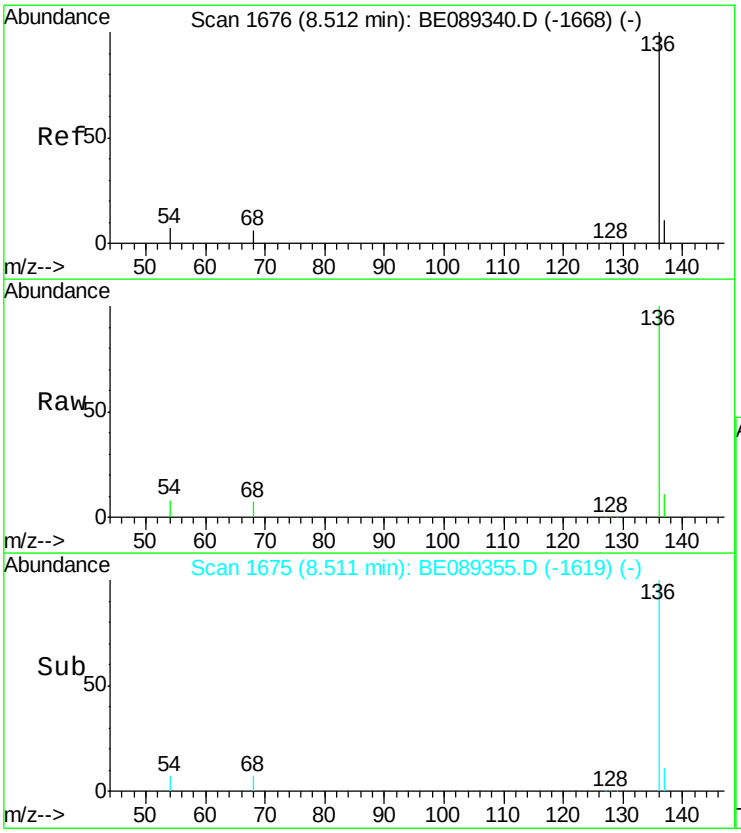
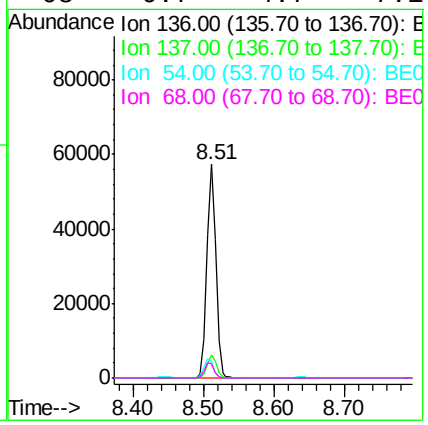
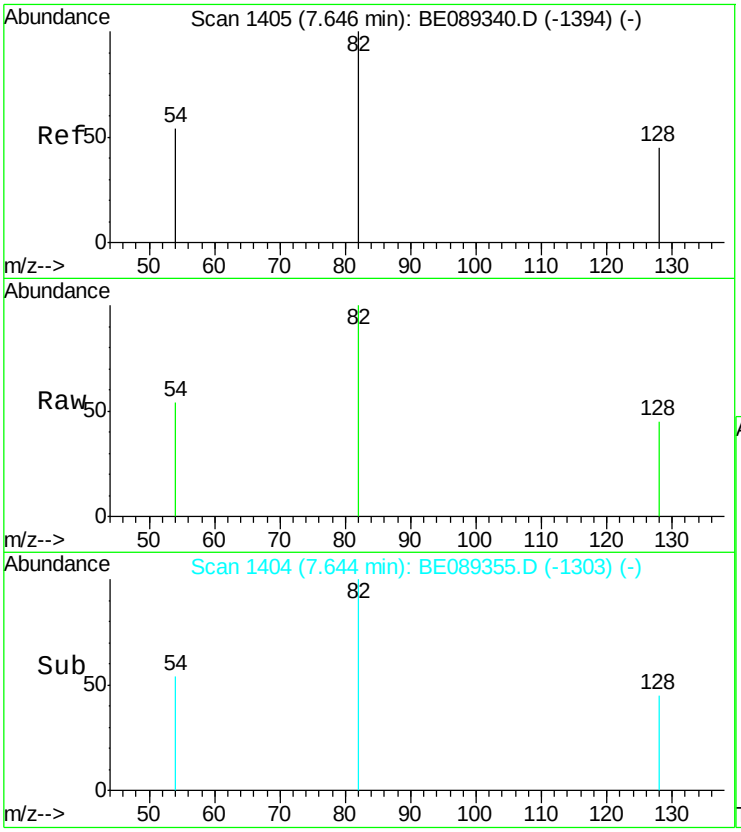


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 8.51 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:136 Resp: 49890

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.5	5.4	8.0
68	6.7	4.7	7.1

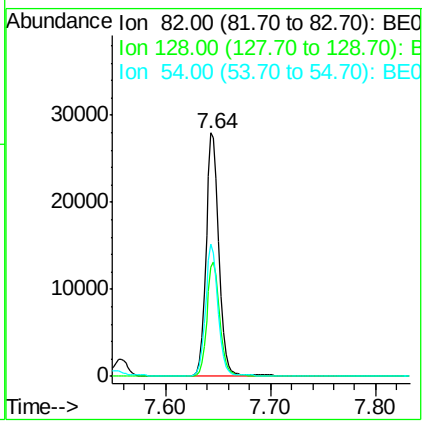




#3
Nitrobenzene-d5
Concen: 6.85 ng
RT: 7.64 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion: 82 Resp: 23761

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.5	54.7
54	54.2	43.5	65.3



Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
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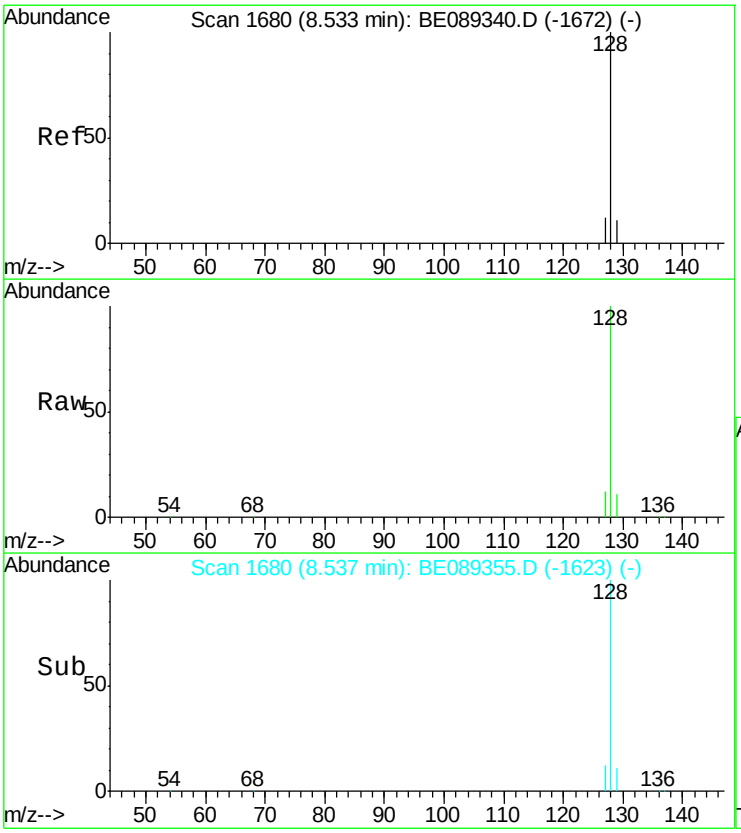
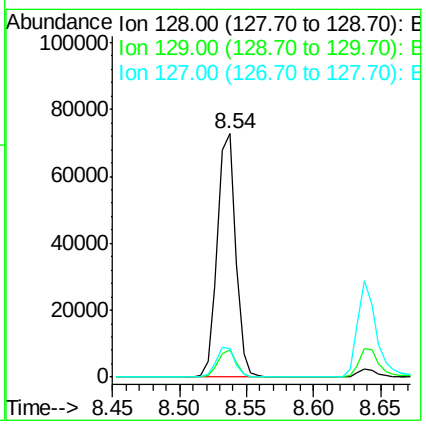
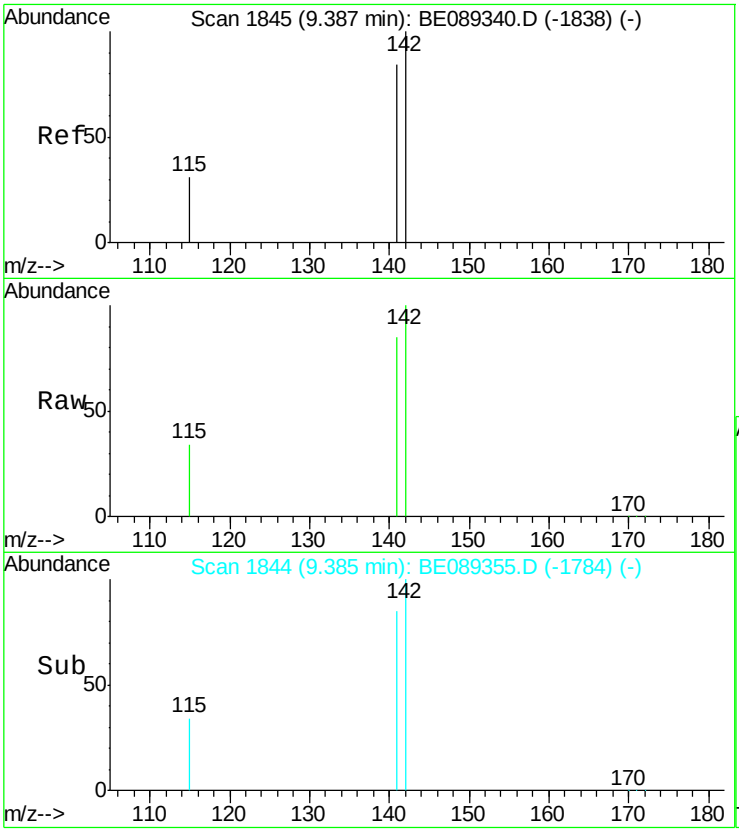


#4
Naphthalene
Concen: 6.09 ng
RT: 8.54 min Scan# 1680
Delta R.T. 0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:128 Resp: 68464

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	11.6	10.0	15.0

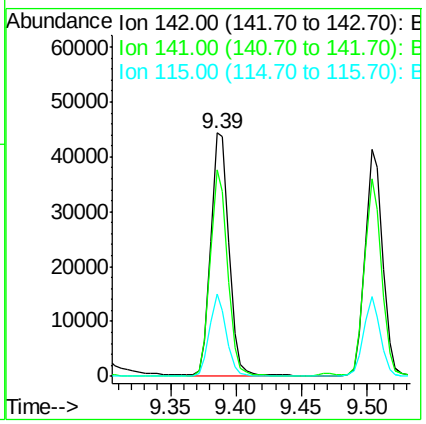




#5
2-Methylnaphthalene
Concen: 6.10 ng
RT: 9.39 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:142 Resp: 42823

Ion	Ratio	Lower	Upper
142	100		
141	84.9	66.3	99.5
115	34.0	25.2	37.8



Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
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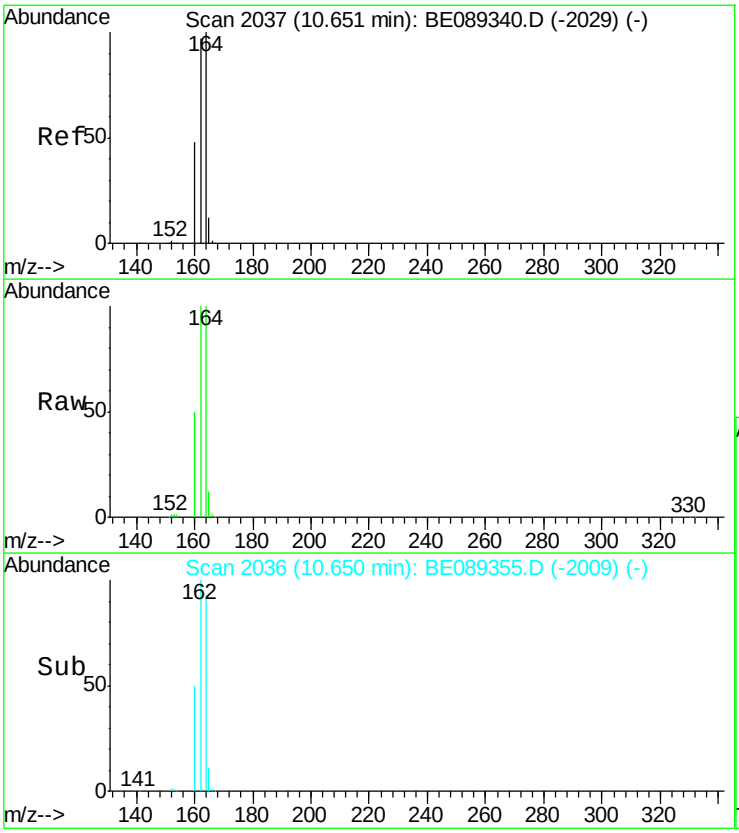
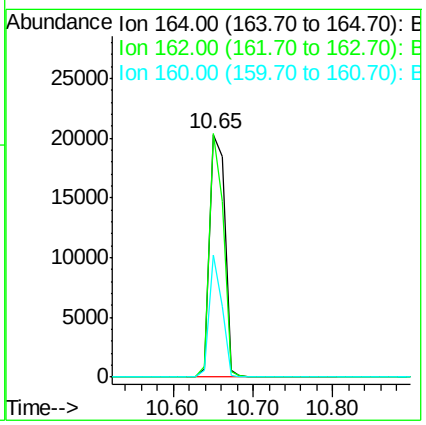
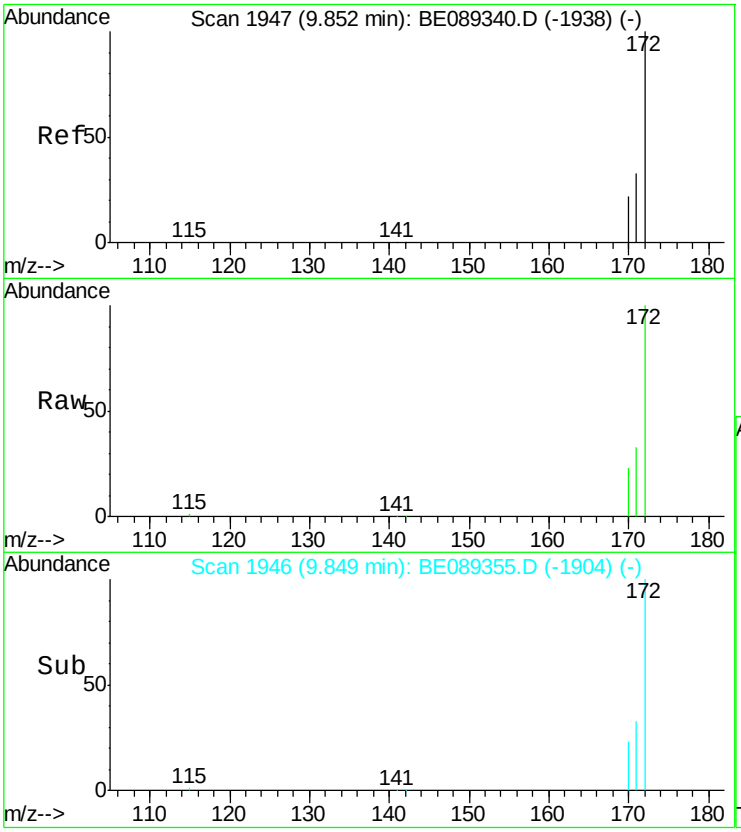


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.65 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:164 Resp: 26318

Ion	Ratio	Lower	Upper
164	100		
162	100.4	77.4	116.2
160	50.2	38.2	57.4

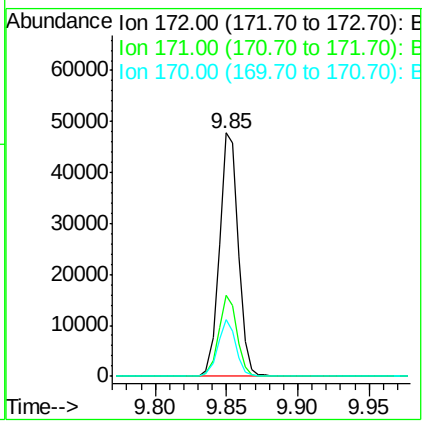




#7
2-Fluorobiphenyl
Concen: 6.13 ng
RT: 9.85 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:172 Resp: 44006

Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.4	39.6
170	23.3	18.0	27.0



Instrument :
BNA_E
ClientSampleId :
PB81206BS

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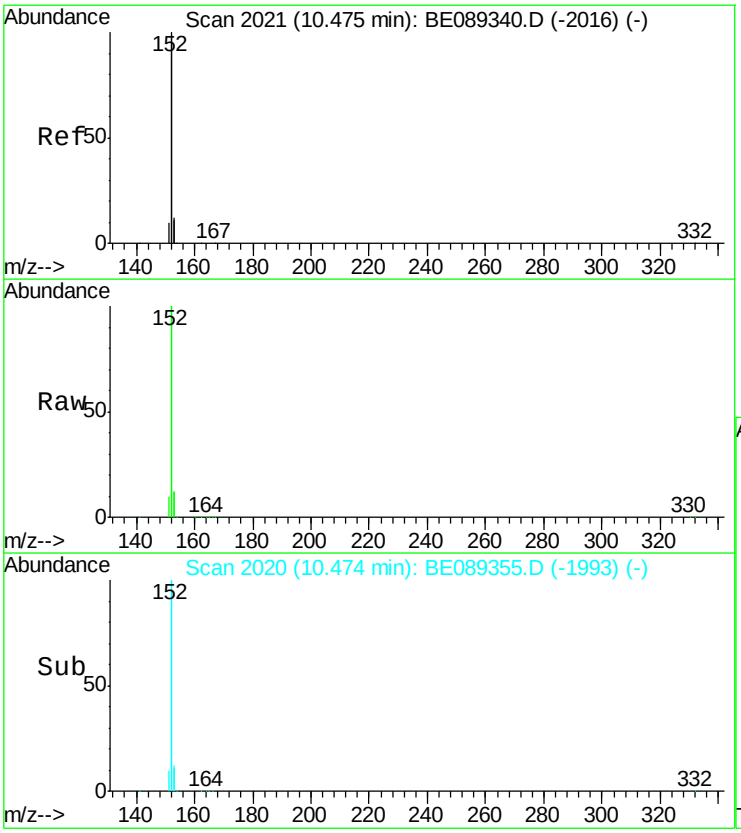
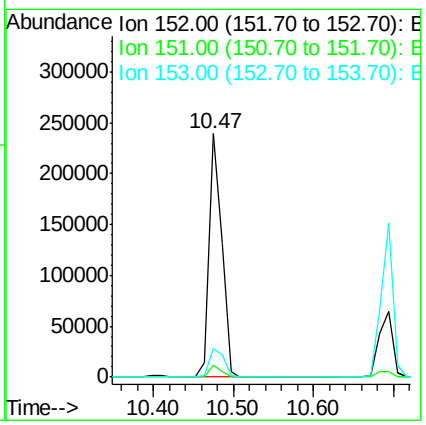
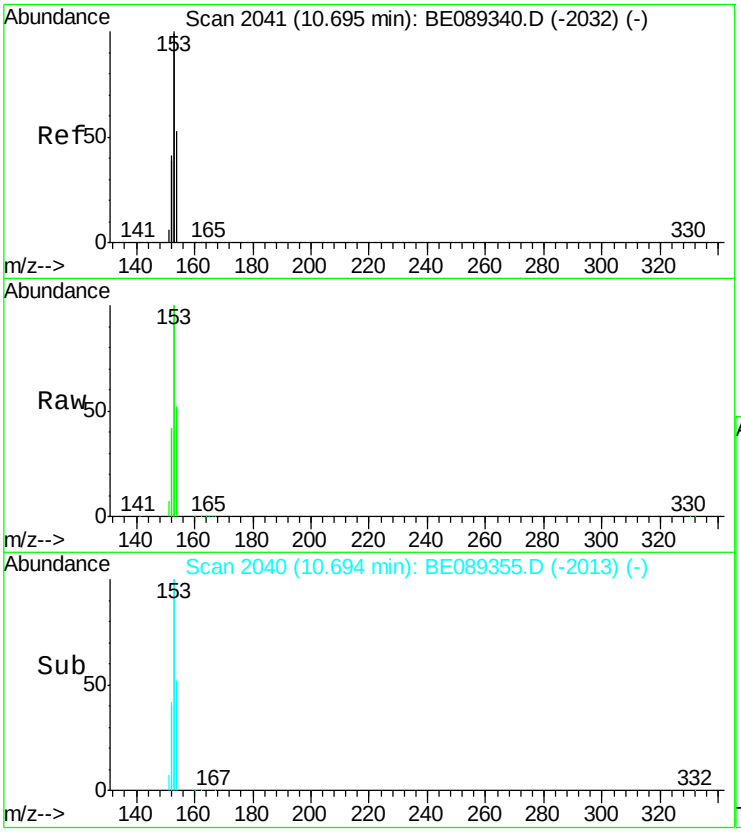


#8
Acenaphthylene
Concen: 5.70 ng
RT: 10.47 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:152 Resp: 256587

Ion	Ratio	Lower	Upper
152	100		
151	5.1	4.1	6.1
153	11.6	9.8	14.6

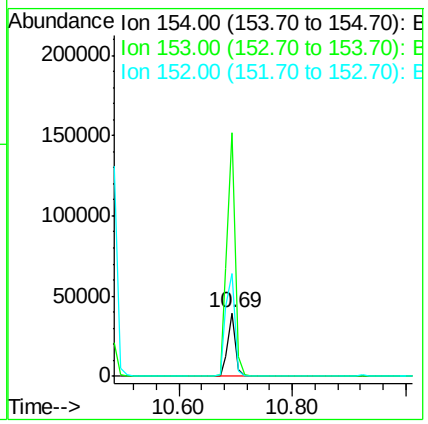




#9
Acenaphthene
Concen: 5.31 ng
RT: 10.69 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:154 Resp: 37244

Ion	Ratio	Lower	Upper
154	100		
153	384.7	300.6	450.8
152	162.6	123.3	184.9



Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
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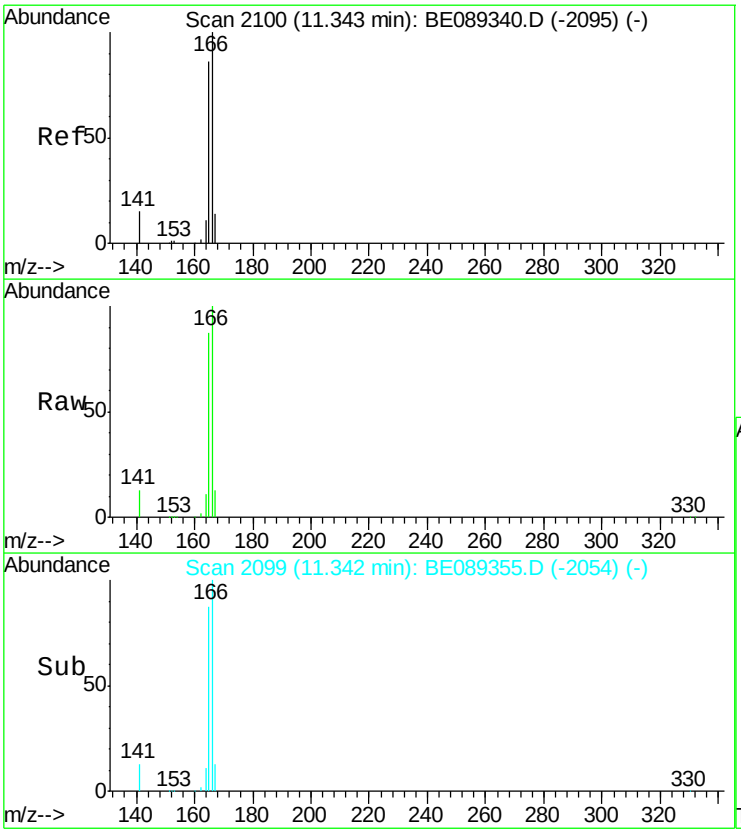
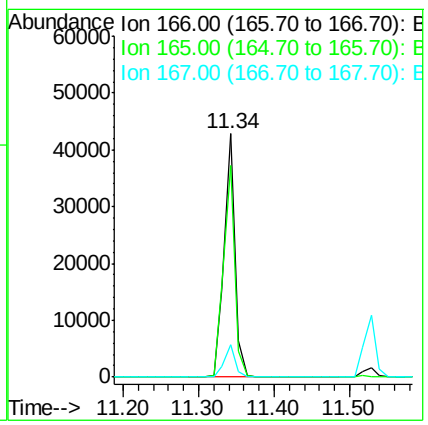
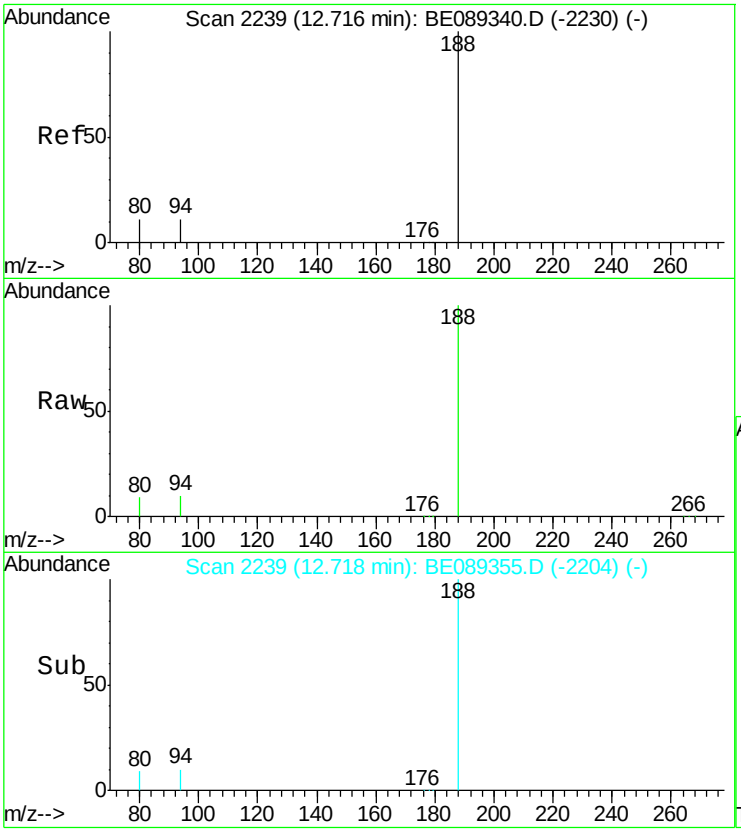


#10
Fluorene
Concen: 5.73 ng
RT: 11.34 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:166 Resp: 43071

Ion	Ratio	Lower	Upper
166	100		
165	89.9	72.1	108.1
167	13.4	11.0	16.4





#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
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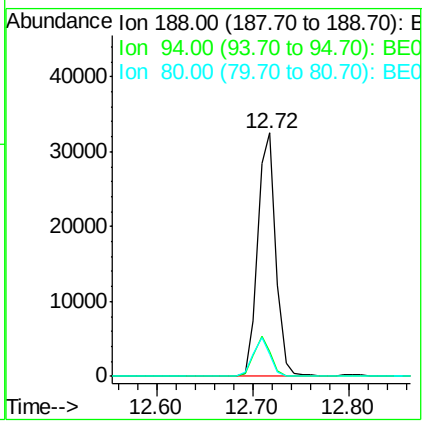
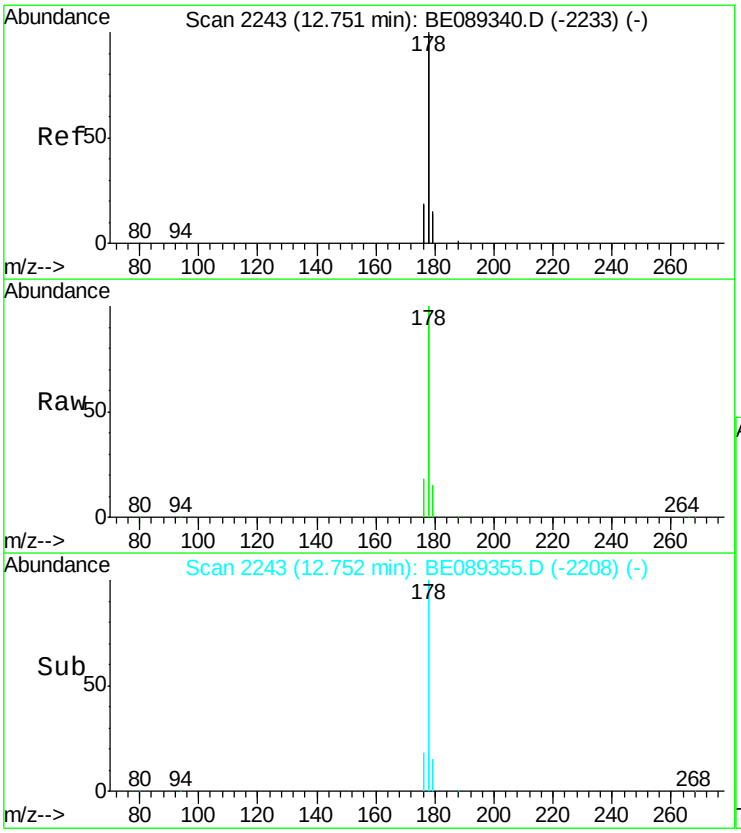
1/9/2015 5:22:06 PM

Tgt Ion:188 Resp: 43046

Ion	Ratio	Lower	Upper
188	100		
94	10.3	11.0	12.2#
80	8.9	10.1	11.1#

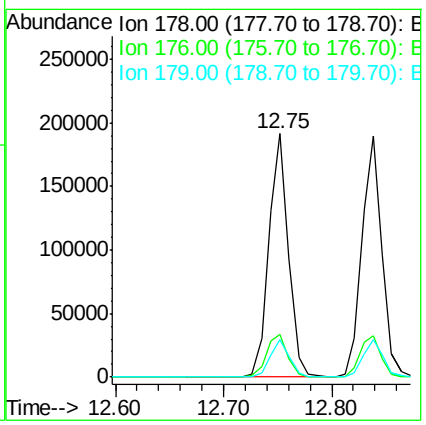


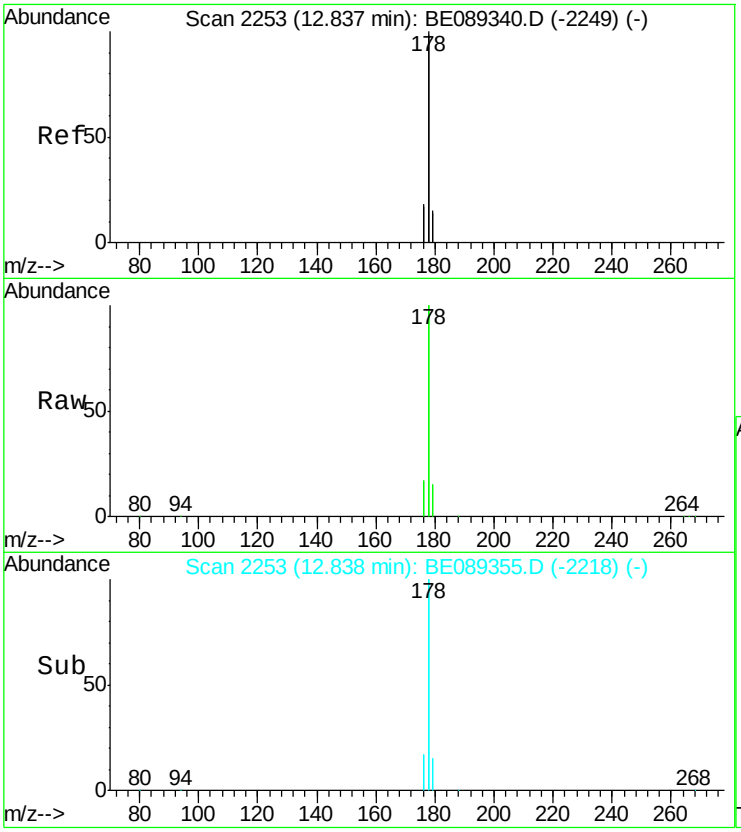


#12
Phenanthrene
Concen: 5.39 ng
RT: 12.75 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:178 Resp: 241993

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.1	22.7
179	15.4	12.2	18.2

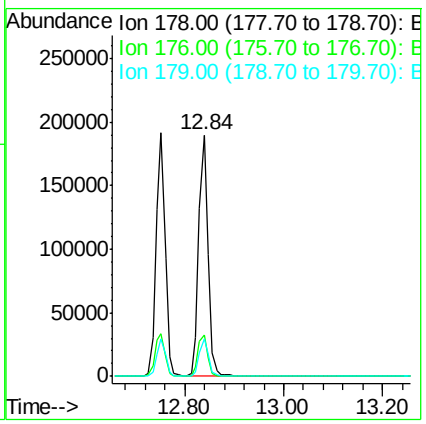




#13
Anthracene
Concen: 5.71 ng
RT: 12.84 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:178 Resp: 247447

Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.7	22.1
179	15.5	12.0	18.0



Instrument :
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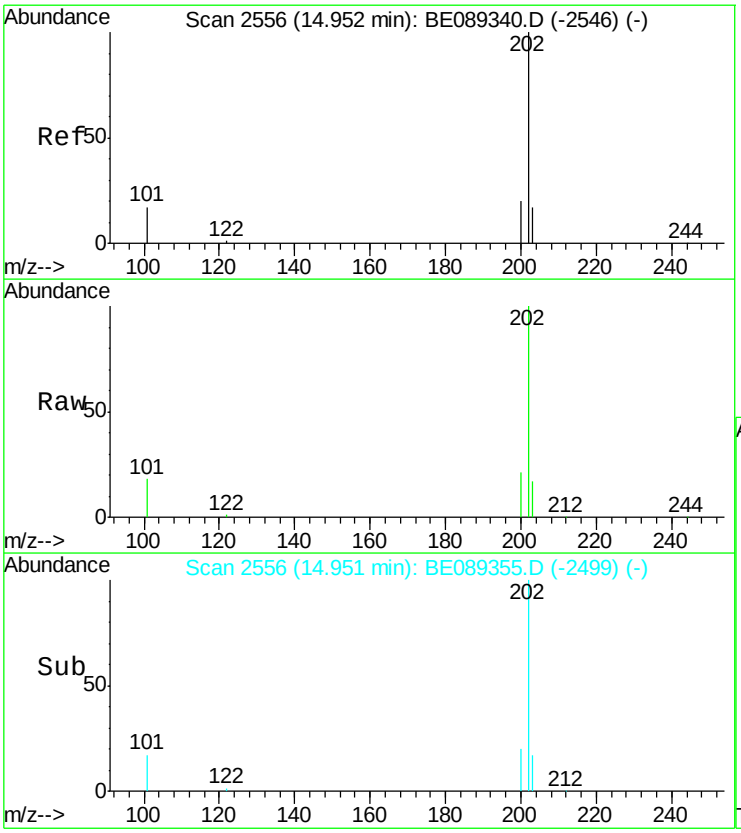
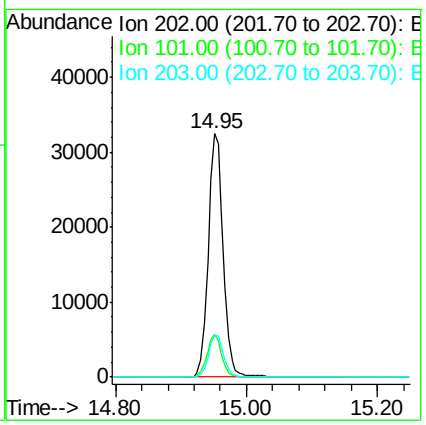
1/9/2015 5:22:06 PM

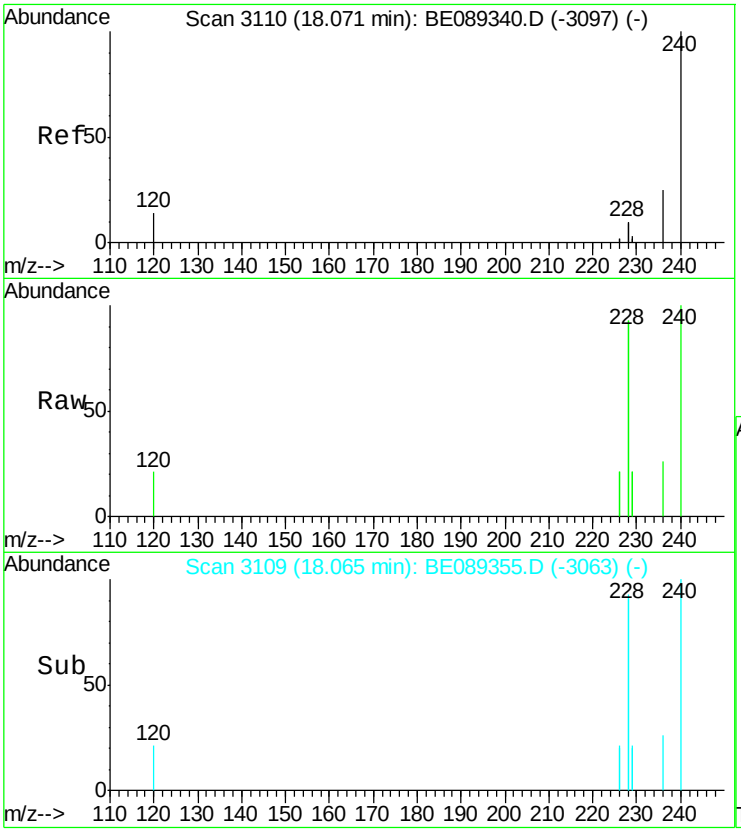


#14
Fluoranthene
Concen: 5.15 ng
RT: 14.95 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:202 Resp: 51091

Ion	Ratio	Lower	Upper
202	100		
101	17.6	0.0	37.9
203	17.2	0.0	37.5





#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.06 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:240 Resp: 26446

Ion	Ratio	Lower	Upper
240	100		
120	20.8	11.8	17.6#
236	26.0	20.0	30.0

Instrument :
BNA_E
ClientSampleId :
PB81206BS

Manual Integrations APPROVED
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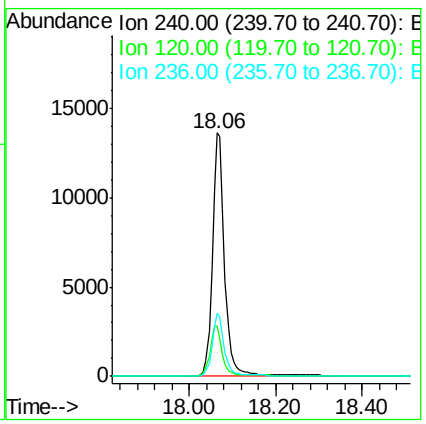
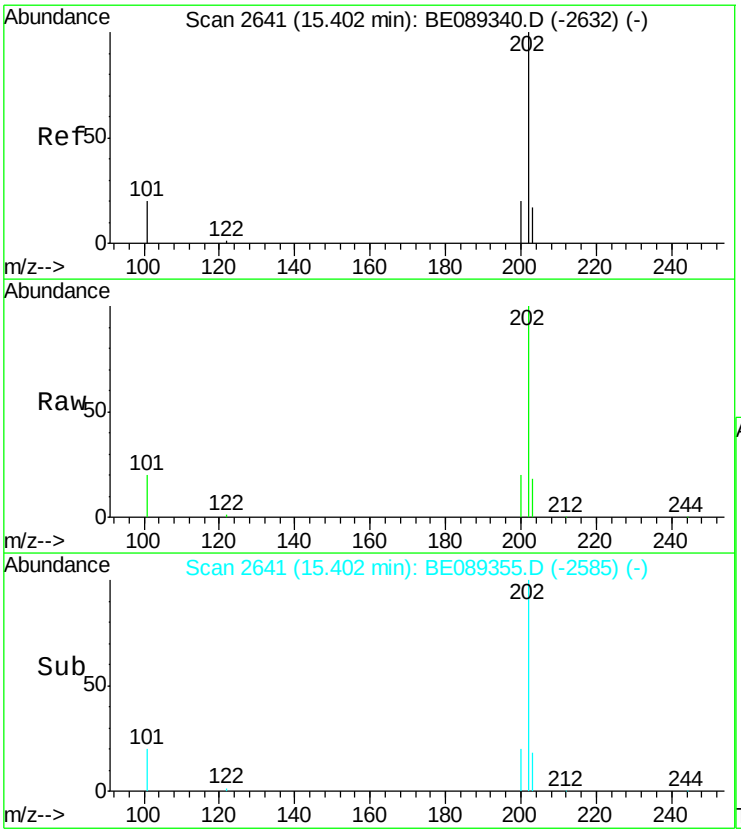
1/9/2015 5:22:06 PM

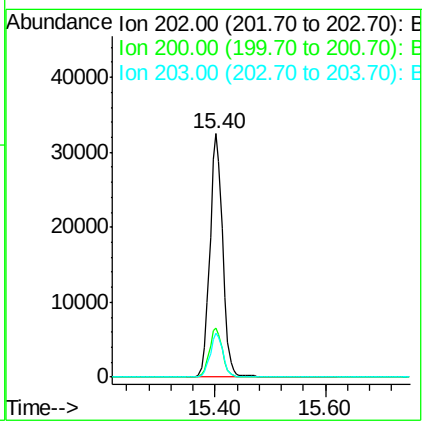


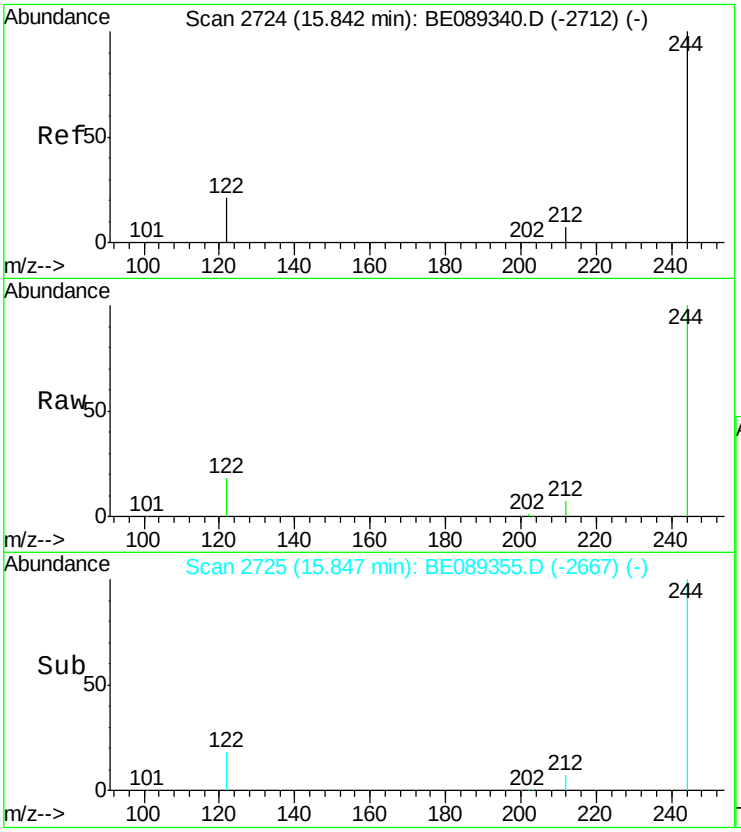


#16
Pyrene
Concen: 6.00 ng
RT: 15.40 min Scan# 2641
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:202 Resp: 52079

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	18.0	14.0	21.0





#17
Terphenyl-d14
Concen: 7.24 ng
RT: 15.85 min Scan# 2725
Delta R.T. 0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:244 Resp: 33895

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	18.3	17.7	26.5

Instrument :
BNA_E
ClientSampleId :
PB81206BS

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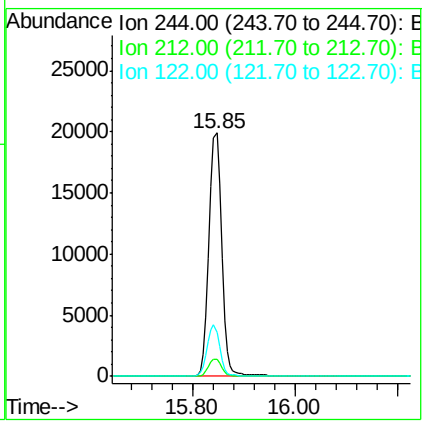
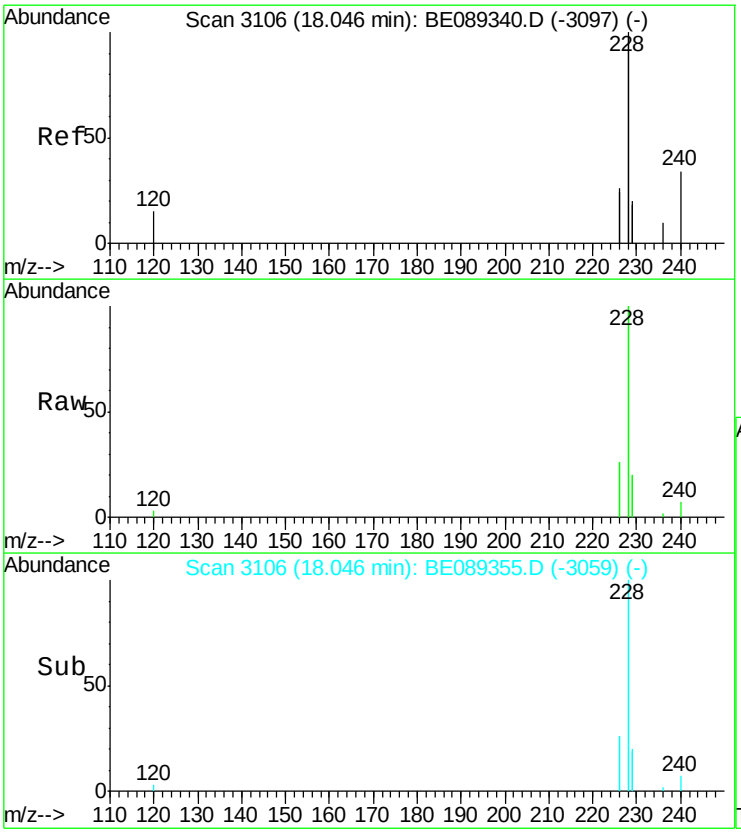
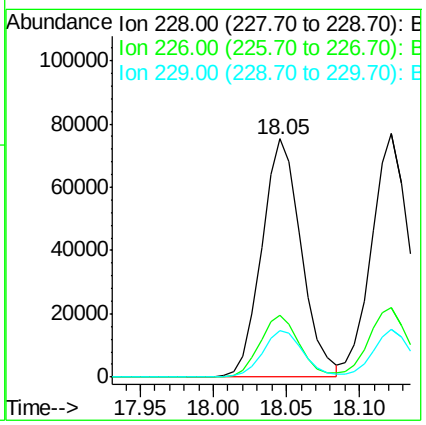


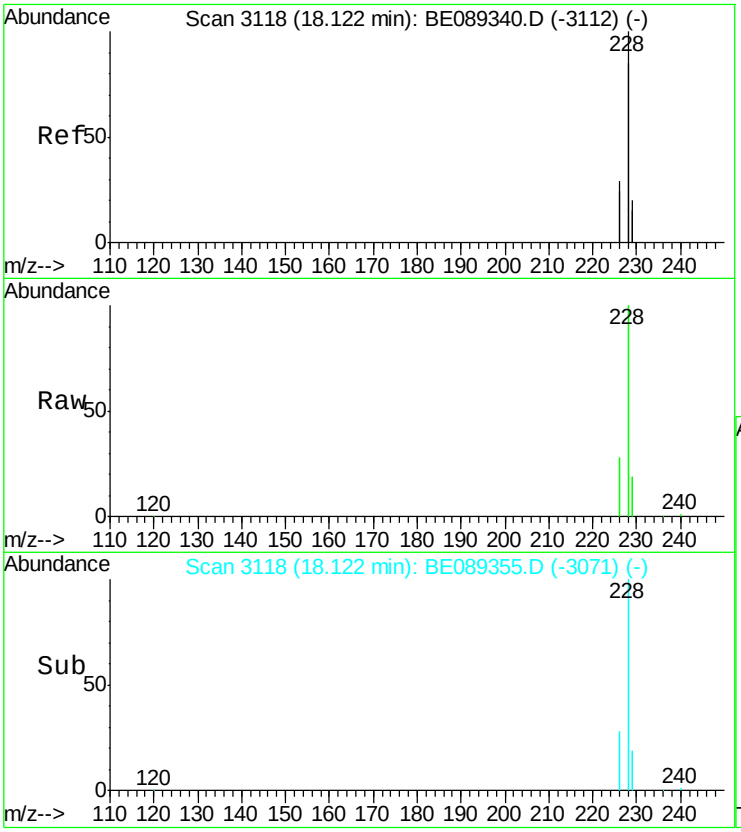


#18
Benzo(a)anthracene
Concen: 5.25 ng
RT: 18.05 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:228 Resp: 140870

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.0	31.6
229	19.5	16.0	24.0





#19
Chrysene
Concen: 5.49 ng
RT: 18.12 min Scan# 3118
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:228 Resp: 147761

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.5	35.3
229	19.4	16.1	24.1

Instrument :
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ClientSampleId :
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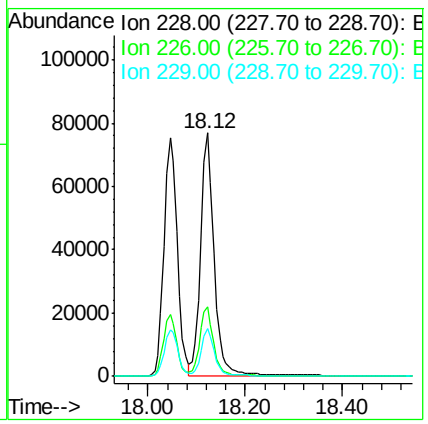
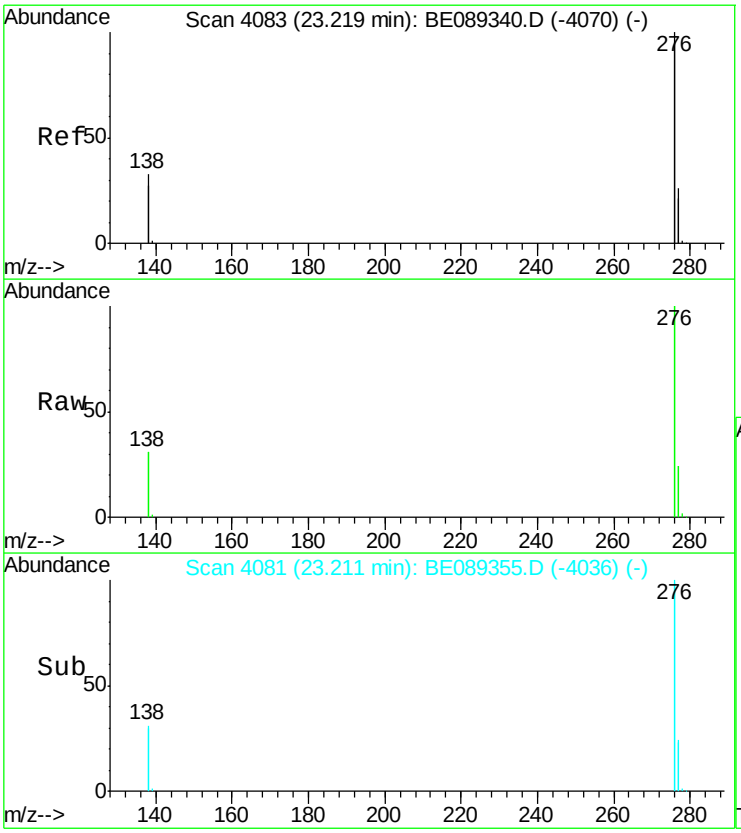
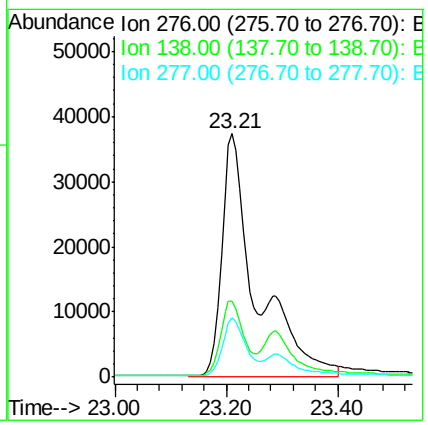


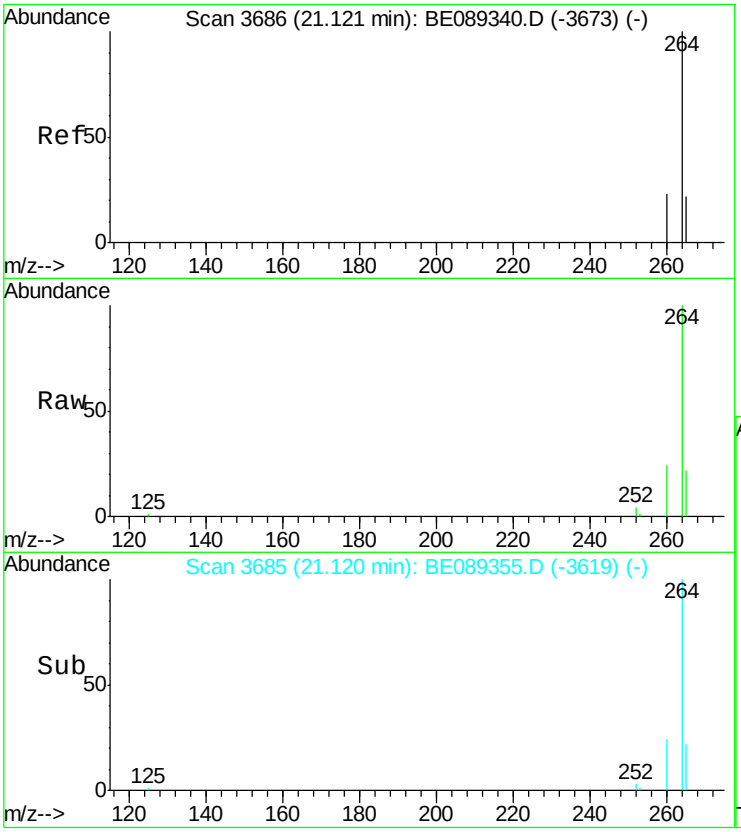


#20
Indeno(1,2,3-cd)pyrene
Concen: 6.21 ng m
RT: 23.21 min Scan# 4081
Delta R.T. -0.01 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:276 Resp: 159938

Ion	Ratio	Lower	Upper
276	100		
138	20.7	23.8	35.8#
277	15.8	18.2	27.4#

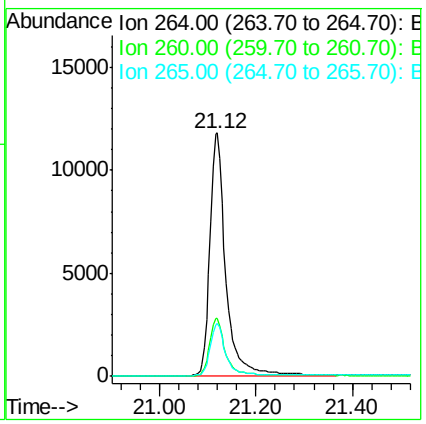




#21
Perylene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 3685
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:264 Resp: 26681

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.8	17.4	26.2



Instrument :
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ClientSampleId :
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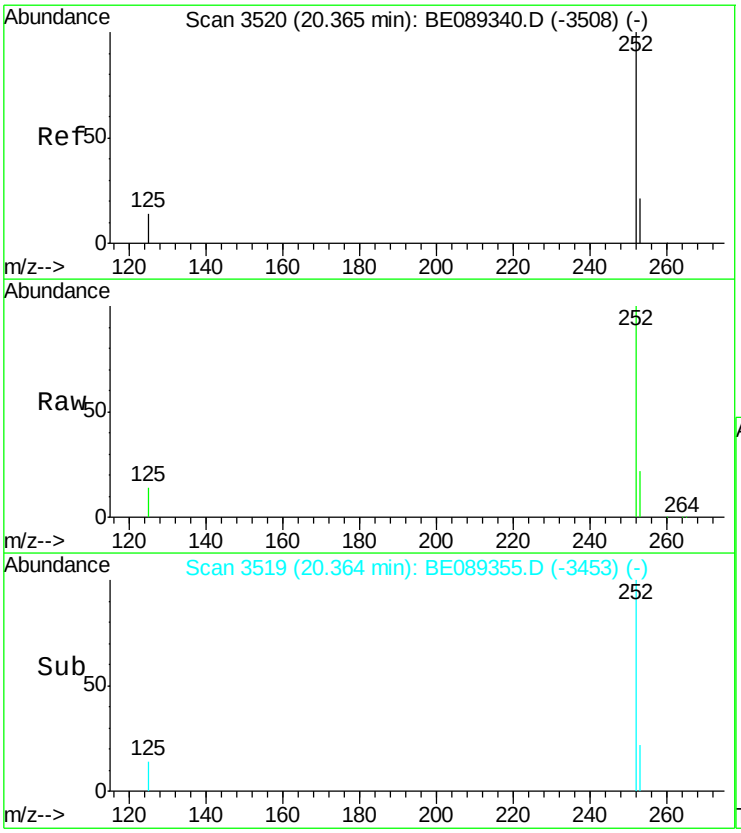
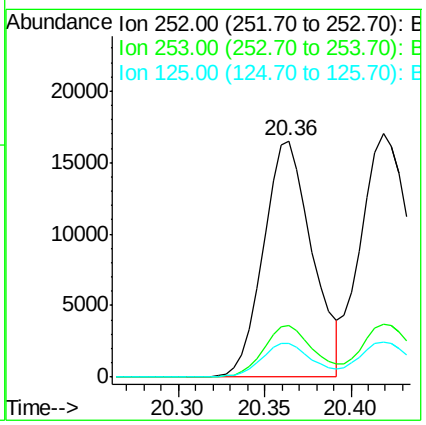
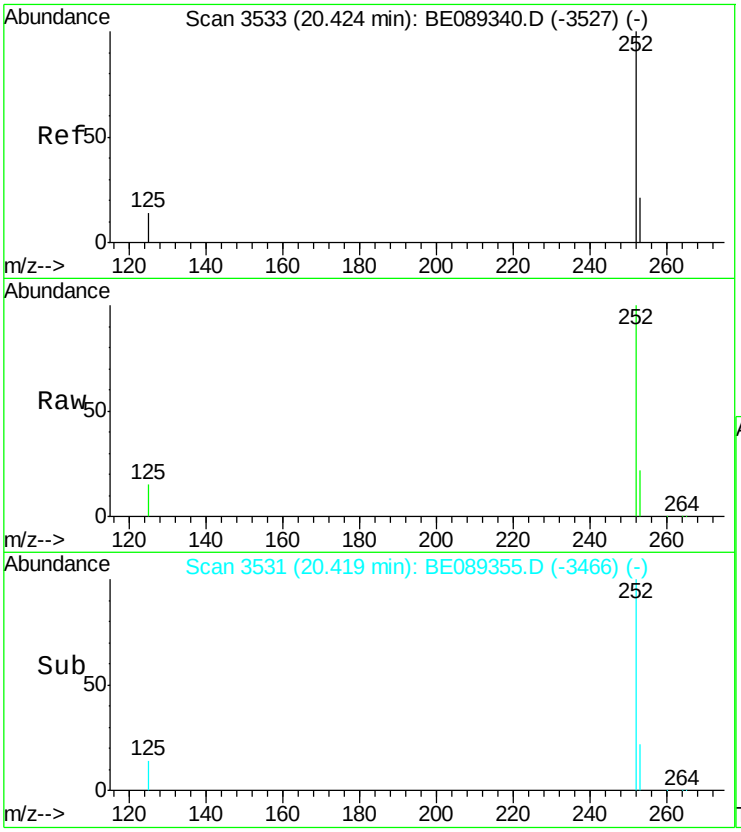


#22
Benzo(b)fluoranthene
Concen: 5.53 ng
RT: 20.36 min Scan# 3519
Delta R.T. -0.00 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:252 Resp: 32249

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	14.4	12.6	18.8





#23
Benzo(k)fluoranthene
Concen: 5.45 ng
RT: 20.42 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:252 Resp: 40046

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	14.5	12.4	18.6

Instrument :
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ClientSampleId :
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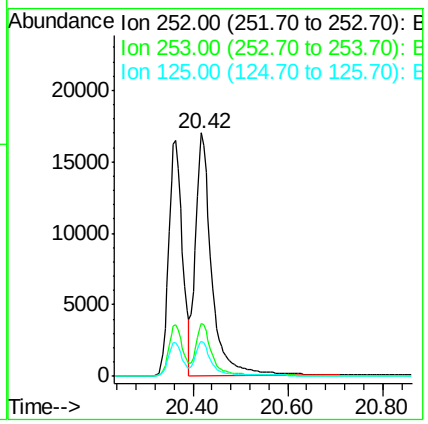
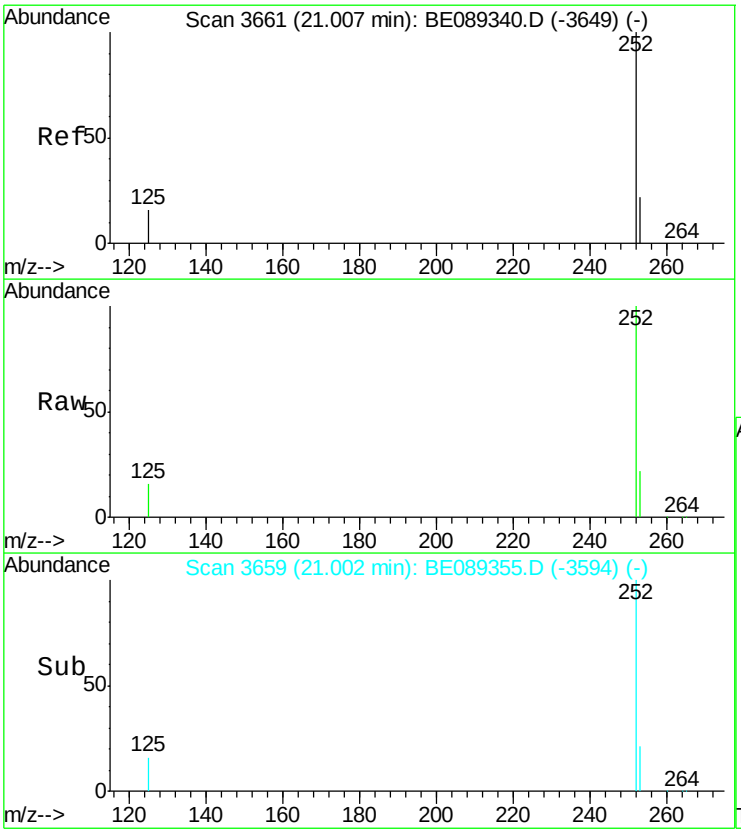
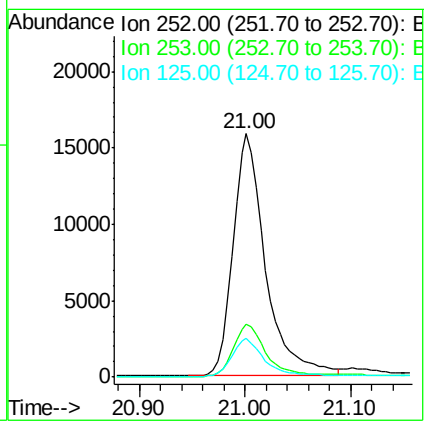


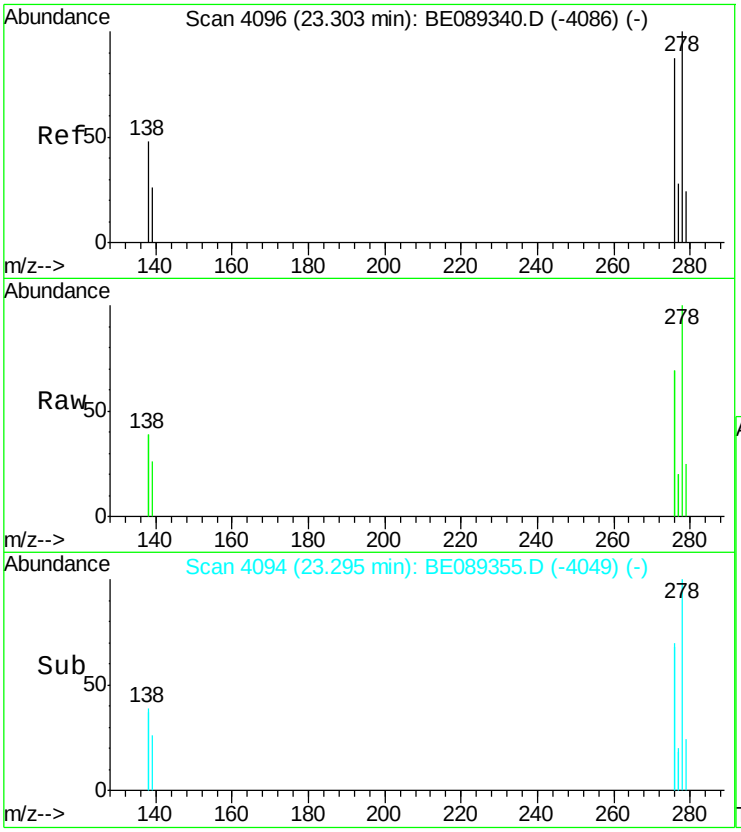


#24
Benzo(a)pyrene
Concen: 5.92 ng
RT: 21.00 min Scan# 3659
Delta R.T. -0.01 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:252 Resp: 34050

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.3	27.5
125	15.9	13.8	20.8

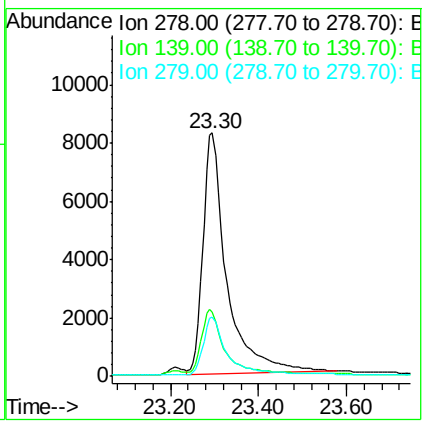




#25
Dibenzo(a,h)anthracene
Concen: 5.82 ng
RT: 23.30 min Scan# 4094
Delta R.T. -0.01 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:278 Resp: 30678

Ion	Ratio	Lower	Upper
278	100		
139	26.3	22.9	34.3
279	24.5	20.8	31.2



Instrument :
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ClientSampleId :
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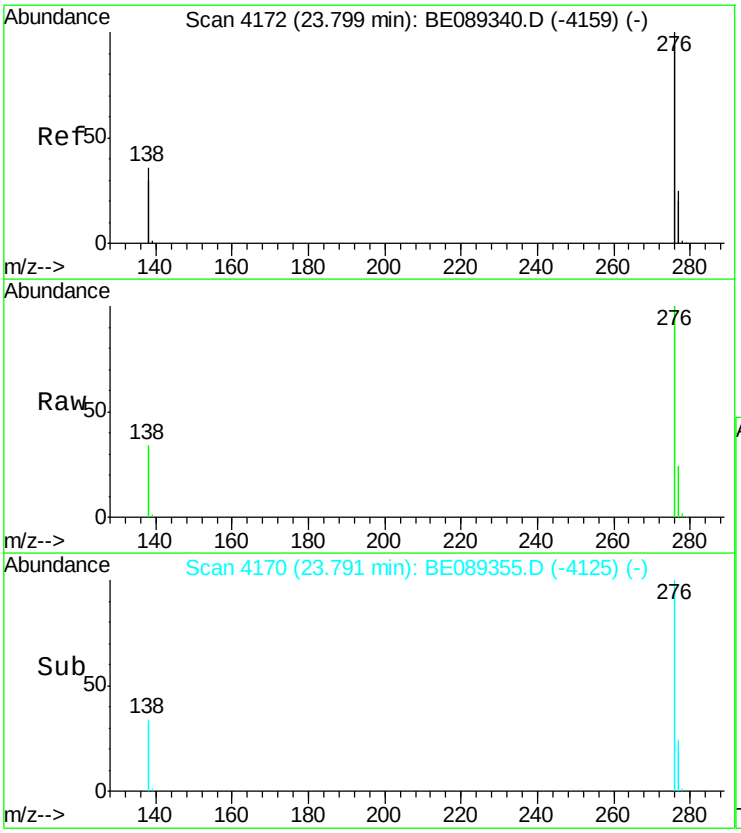

#26
Benzo(g,h,i)perylene
Concen: 5.46 ng
RT: 23.79 min Scan# 4170
Delta R.T. -0.01 min
Lab File: BE089355.D
Acq: 8 Jan 2015 9:07

Tgt Ion:276 Resp: 144820

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.0	30.0
138	34.1	28.5	42.7