Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088120.D
Acq On : 20 Oct 2014 22:20
Operator : TP/JJ
Sample : SSTDICC002
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
mohammad
10/22/2014 1:51:16 PM

Quant Time: Oct 21 02:06:55 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 01:52:35 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	48399	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	181177	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	80460	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	142798	5.00	ng	0.00
16) Chrysene-d12	18.39	240	106422	5.00	ng	0.00
22) Perylene-d12	21.44	264	99750	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	27344	2.49	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	45564	2.05	ng	0.00
18) Terphenyl-d14	16.15	244	34732	2.10	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.40	88	14261	2.06	ng	99
5) Naphthalene	8.72	128	75546	2.06	ng	100
6) 2-Methylnaphthalene	9.58	142	45828	2.12	ng	100
9) Acenaphthylene	10.67	152	253668	2.22	ng	100
10) Acenaphthene	10.88	154	37724	2.02	ng	99
11) Fluorene	11.55	166	40883	2.15	ng	100
13) Phenanthrene	13.01	178	227701	1.71	ng	94
14) Anthracene	13.09	178	227550	1.96	ng	99
15) Fluoranthene	15.25	202	52943	1.88	ng	99
17) Pyrene	15.70	202	56534	2.07	ng	100
19) Benzo(a)anthracene	18.36	228	181352	2.23	ng	100
20) Chrysene	18.44	228	181862	1.83	ng	100
21) Indeno(1,2,3-cd)pyrene	23.63	276	211512m	2.61	ng	
23) Benzo(b)fluoranthene	20.69	252	46707	2.50	ng	99
24) Benzo(k)fluoranthene	20.74	252	50196	1.93	ng	100
25) Benzo(a)pyrene	21.32	252	44322	2.75	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	43168	2.53	ng	98
27) Benzo(g,h,i)perylene	24.26	276	188146	2.29	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088120.D
Acq On : 20 Oct 2014 22:20
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Sample : SSTDICC002
Misc :
ALS Vial : 7 Sample Multiplier: 1

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BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
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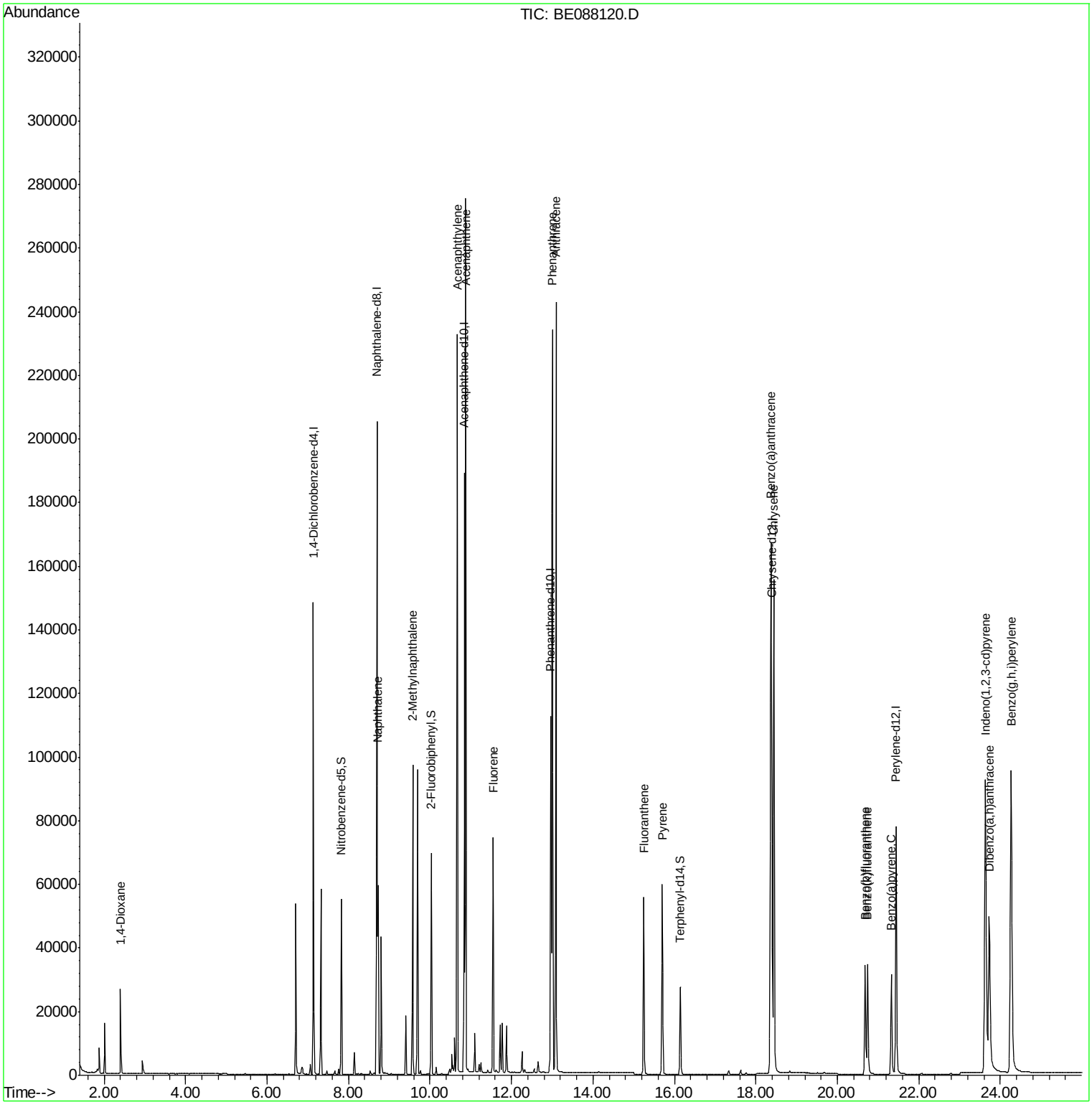
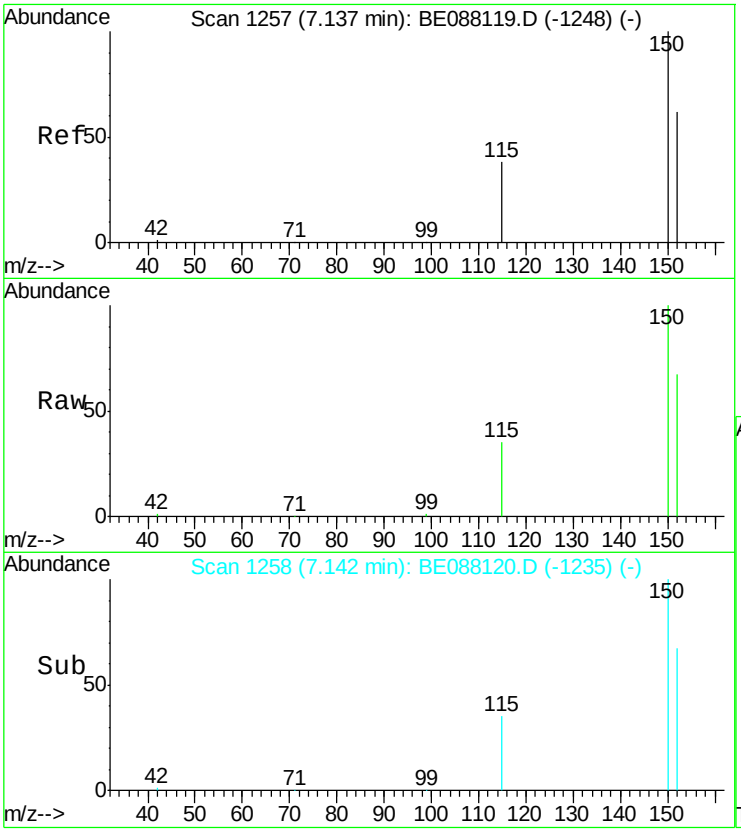
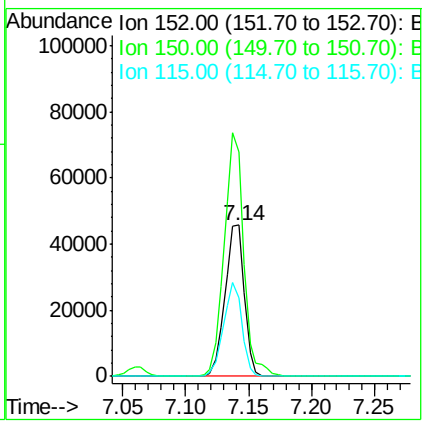




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:152 Resp: 48399

Ion	Ratio	Lower	Upper
152	100		
150	148.2	129.2	193.8
115	52.1	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
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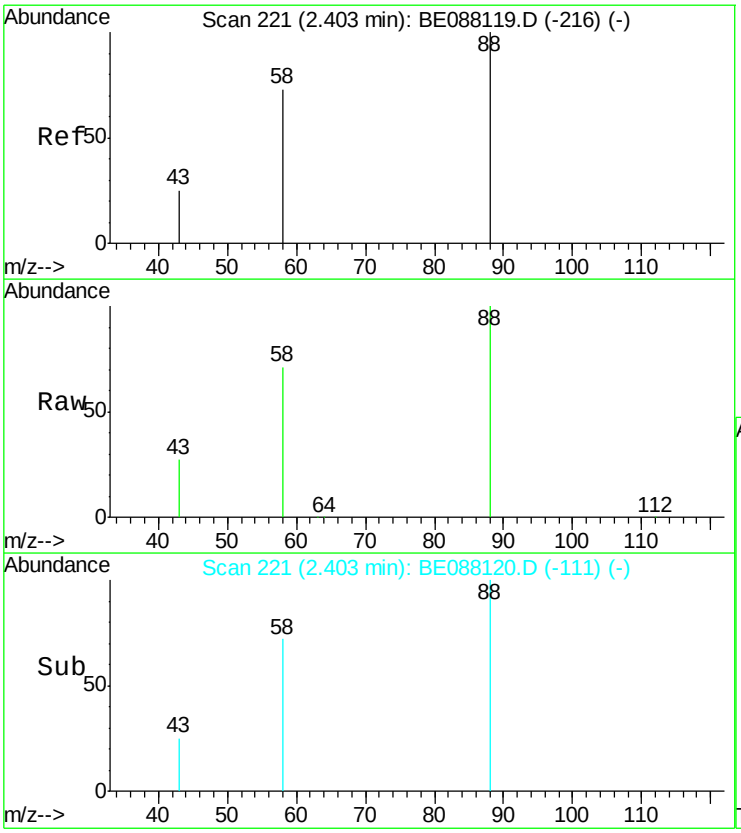
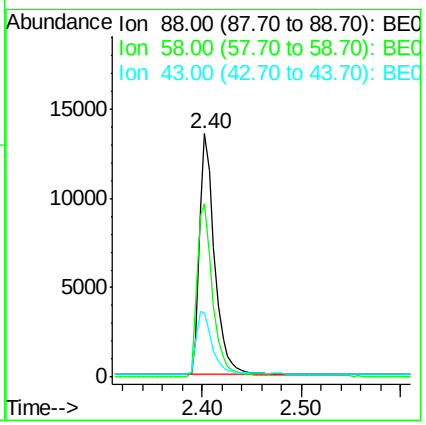
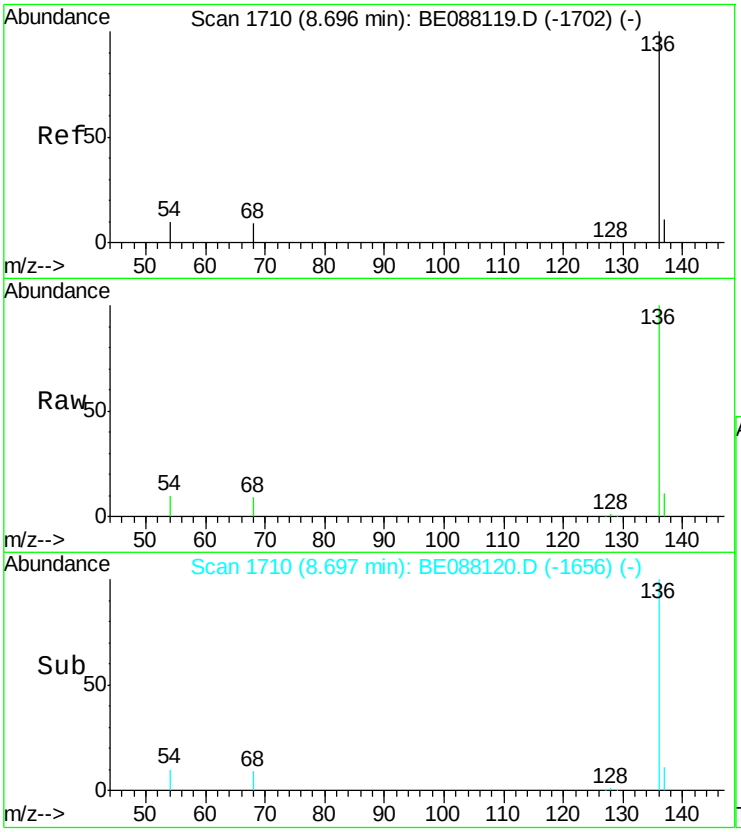


#2
1,4-Dioxane
Concen: 2.06 ng
RT: 2.40 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion: 88 Resp: 14261

Ion	Ratio	Lower	Upper
88	100		
58	73.8	59.5	89.3
43	26.9	21.2	31.8

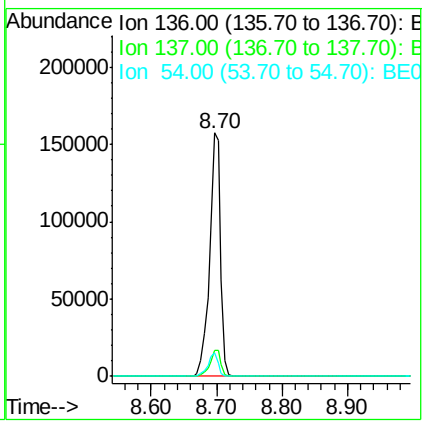




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:136 Resp: 181177

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.6	7.7	11.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

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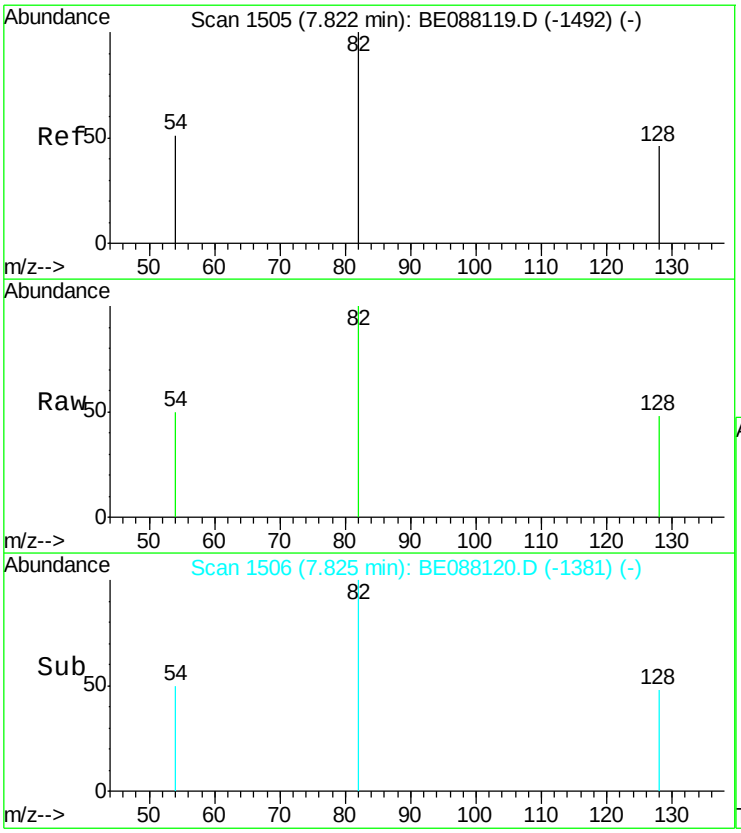
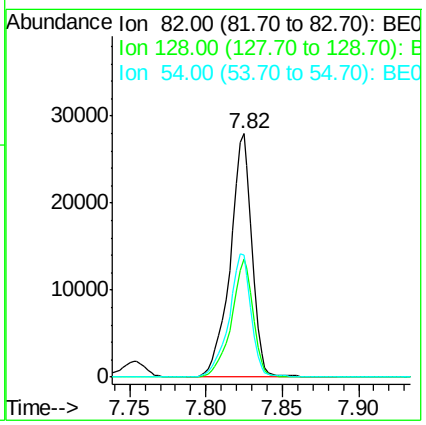
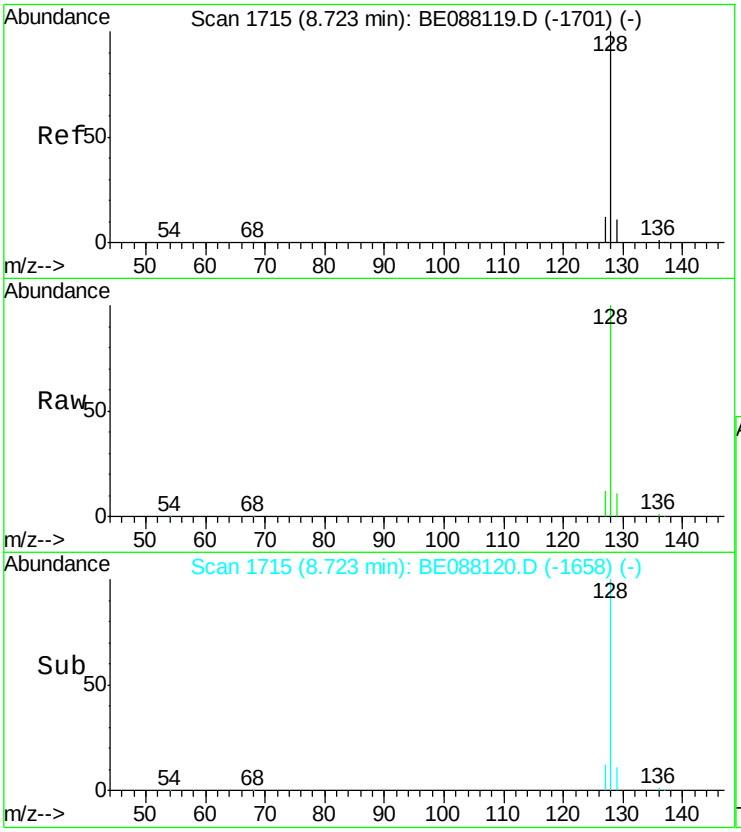


#4
Nitrobenzene-d5
Concen: 2.49 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion: 82 Resp: 27344

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.1	55.7
54	50.0	41.1	61.7

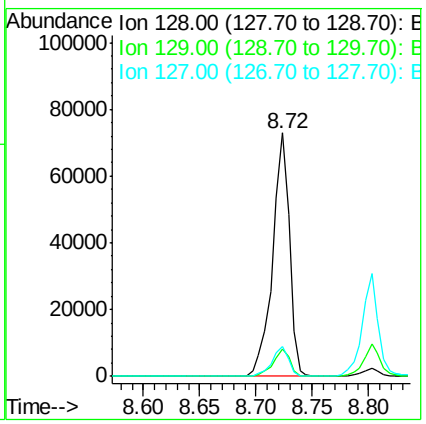




#5
Naphthalene
Concen: 2.06 ng
RT: 8.72 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:128 Resp: 75546

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.0	9.7	14.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

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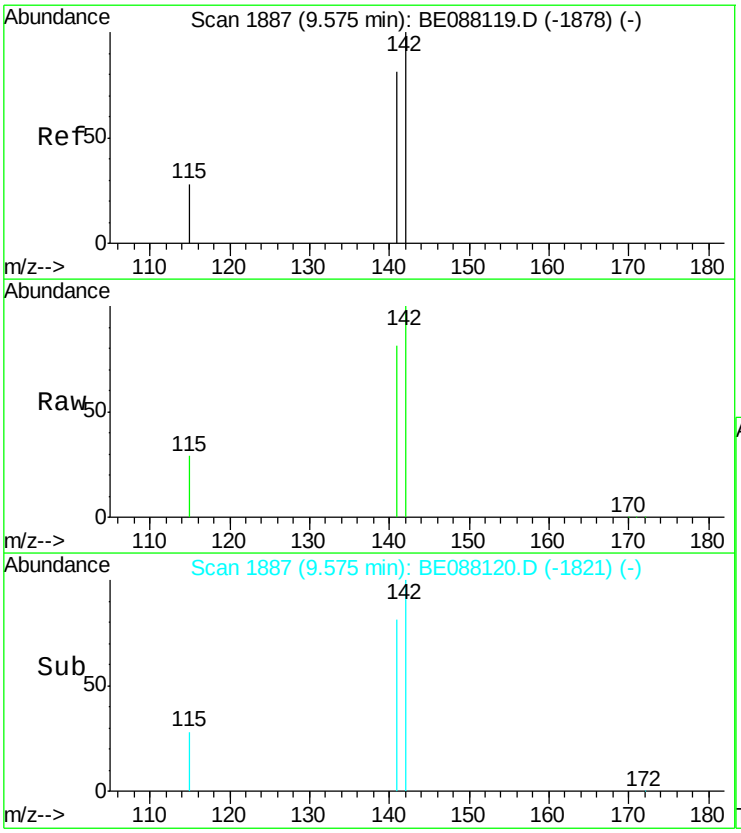
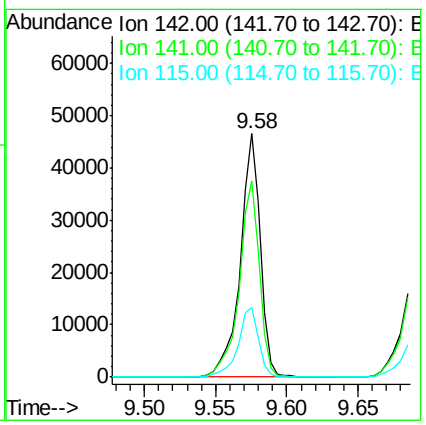
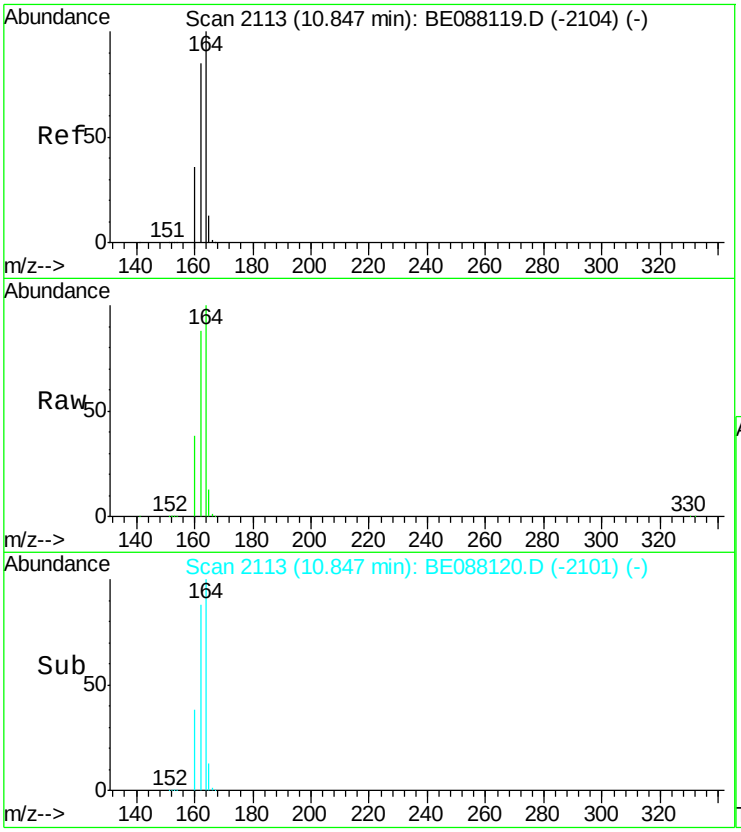


#6
2-Methylnaphthalene
Concen: 2.12 ng
RT: 9.58 min Scan# 1887
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:142 Resp: 45828

Ion	Ratio	Lower	Upper
142	100		
141	80.8	64.6	97.0
115	28.5	22.6	34.0





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:164 Resp: 80460

Ion	Ratio	Lower	Upper
164	100		
162	87.9	68.3	102.5
160	38.2	28.7	43.1

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

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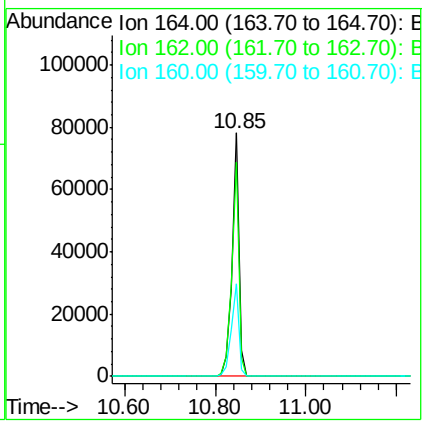
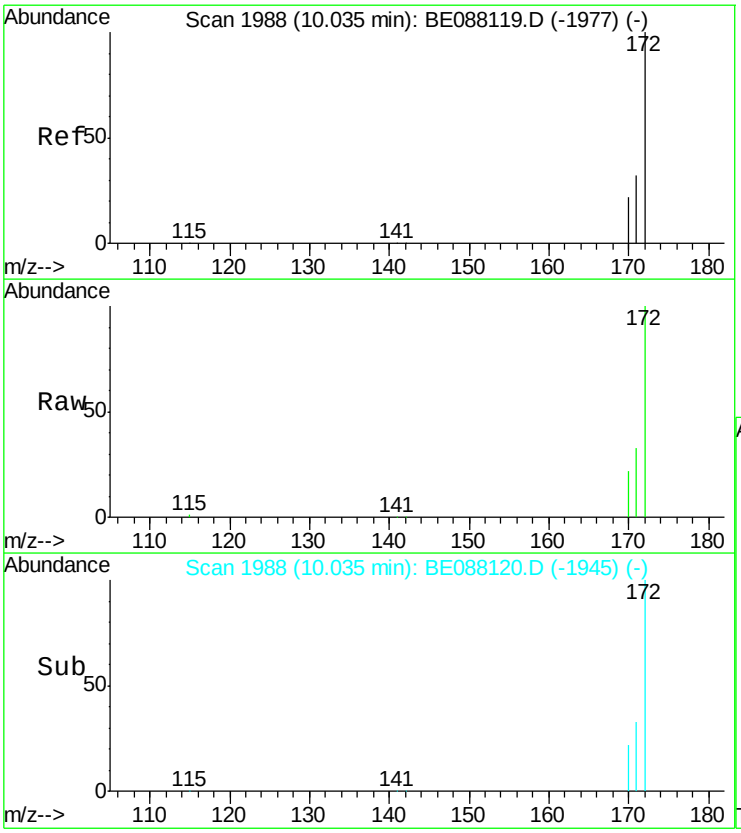
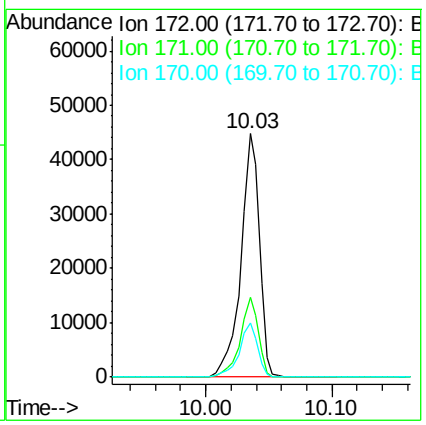


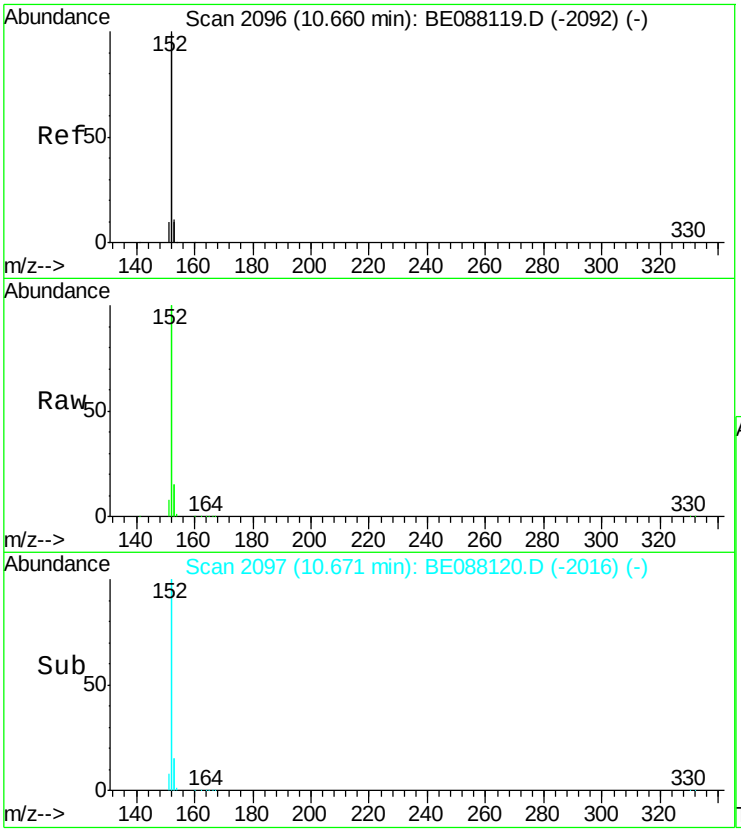


#8
2-Fluorobiphenyl
Concen: 2.05 ng
RT: 10.03 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:172 Resp: 45564

Ion	Ratio	Lower	Upper
172	100		
171	32.7	25.4	38.2
170	22.5	17.4	26.2

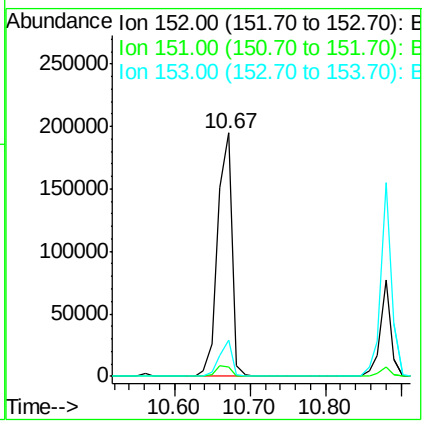




#9
Acenaphthylene
Concen: 2.22 ng
RT: 10.67 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:152 Resp: 253668

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.2	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

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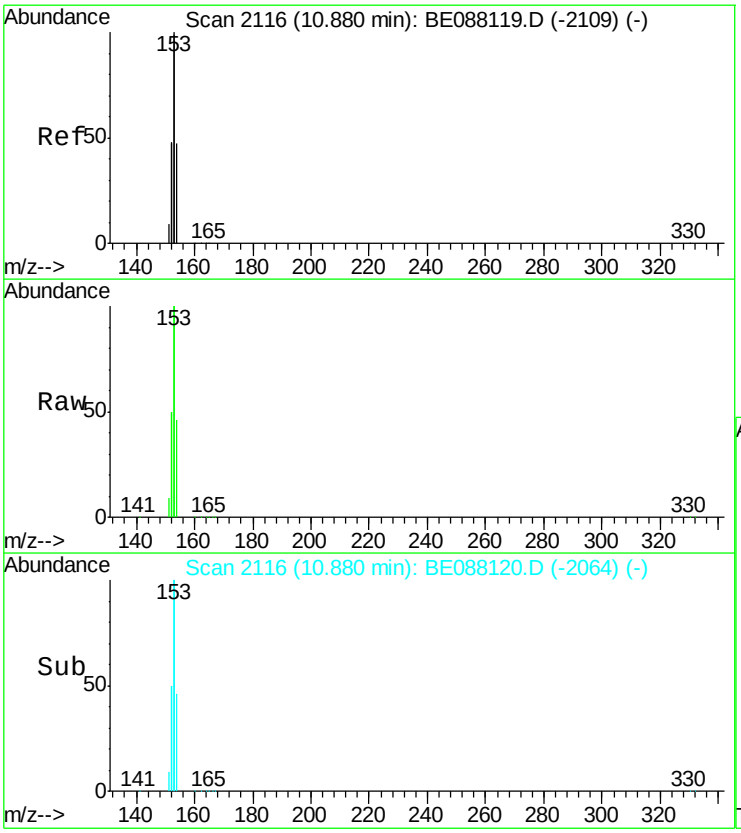
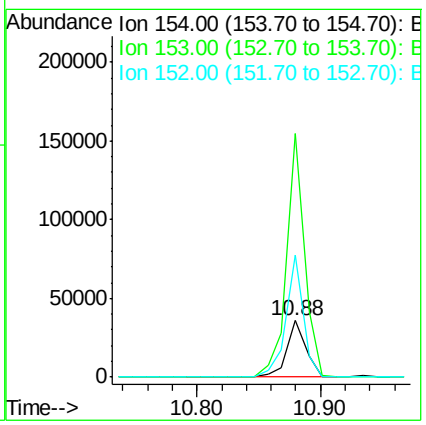
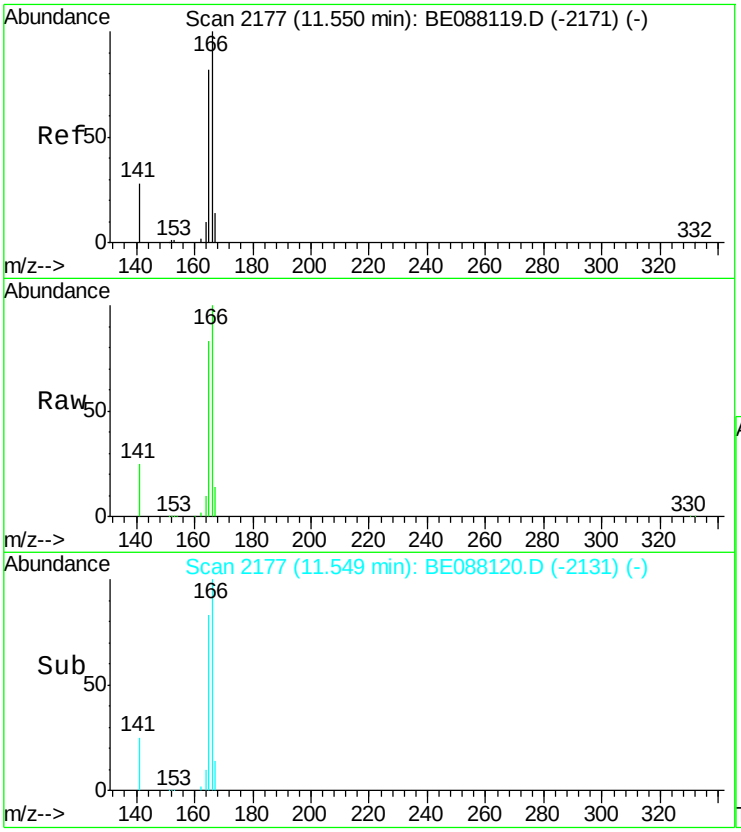


#10
Acenaphthene
Concen: 2.02 ng
RT: 10.88 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:154 Resp: 37724

Ion	Ratio	Lower	Upper
154	100		
153	407.4	327.8	491.6
152	197.0	157.6	236.4

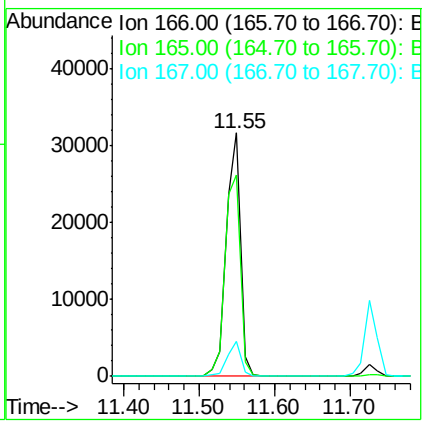




#11
Fluorene
Concen: 2.15 ng
RT: 11.55 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:166 Resp: 40883

Ion	Ratio	Lower	Upper
166	100		
165	89.6	71.4	107.2
167	13.4	10.6	16.0



Instrument :
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ClientSampleId :
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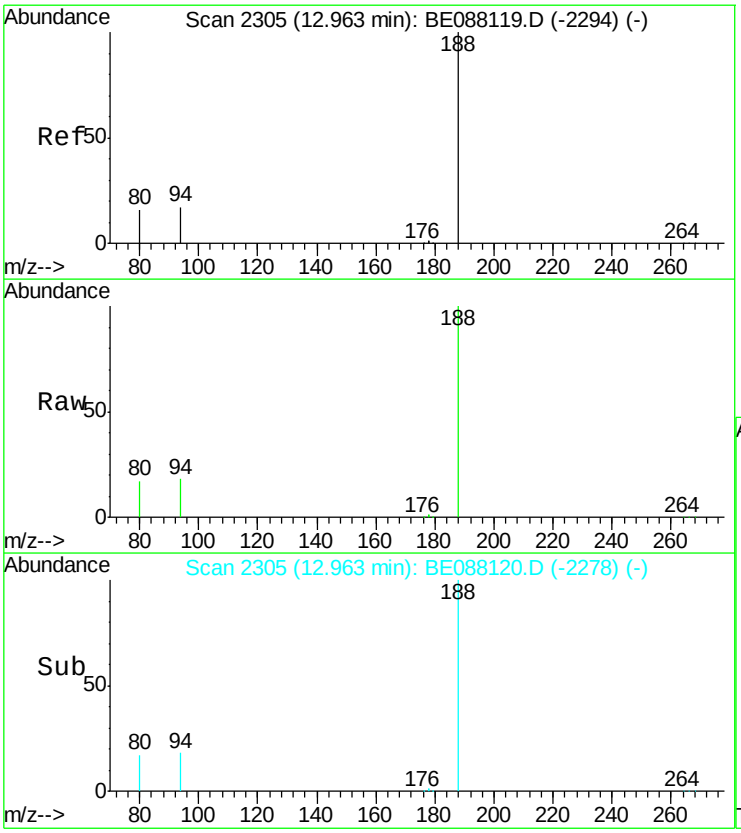
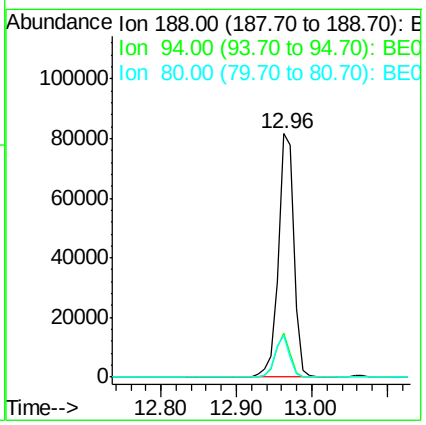
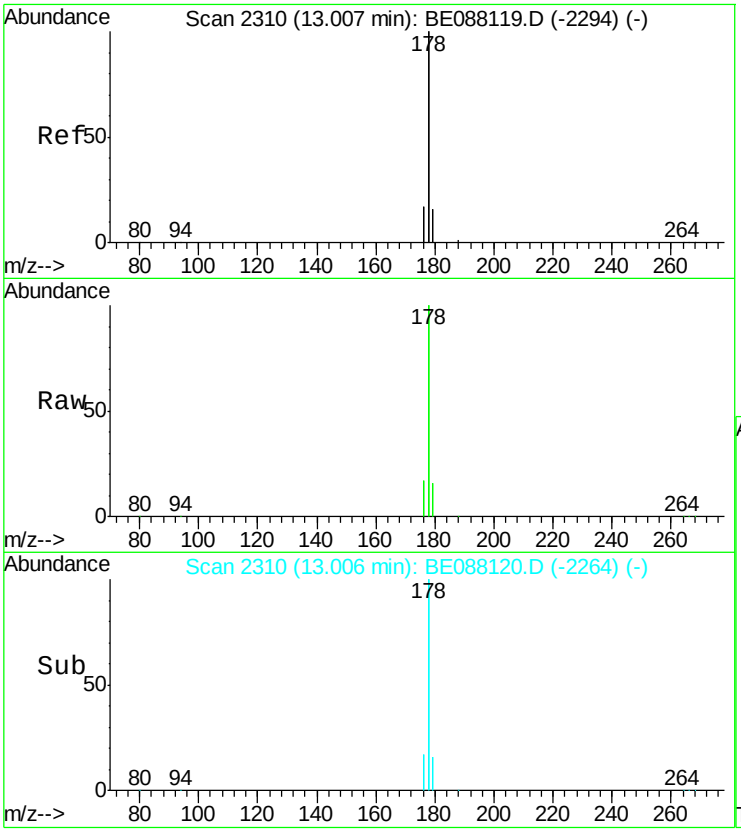


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:188 Resp: 142798

Ion	Ratio	Lower	Upper
188	100		
94	18.1	13.9	20.9
80	17.1	12.9	19.3

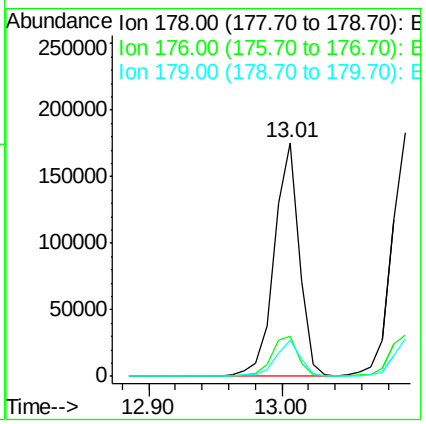




#13
Phenanthrene
Concen: 1.71 ng
RT: 13.01 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:178 Resp: 227701

Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.5	18.7
179	19.4	13.5	20.3



Instrument :
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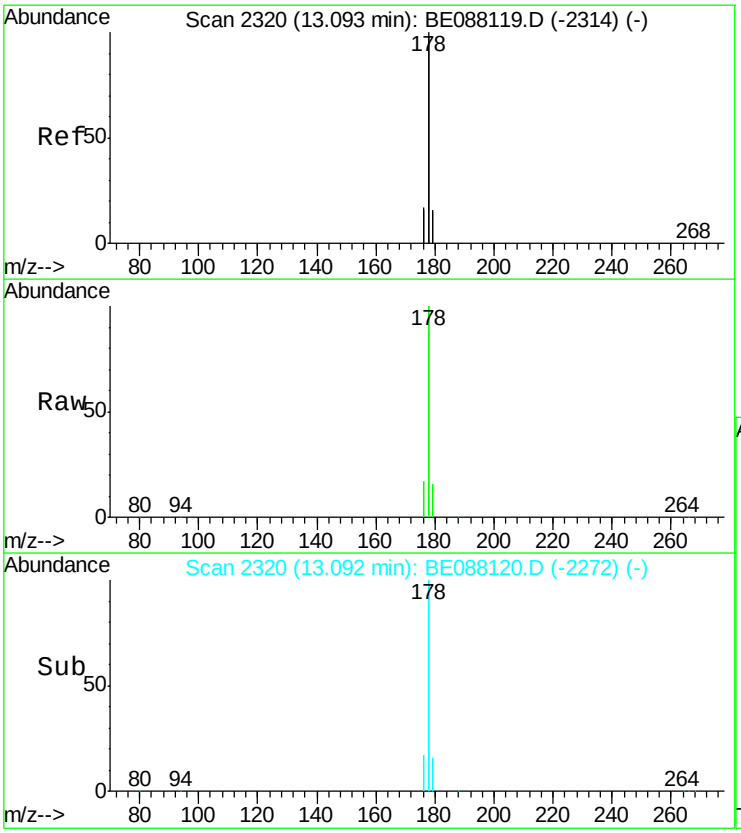
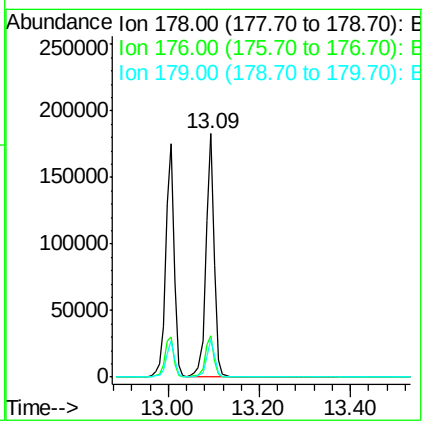
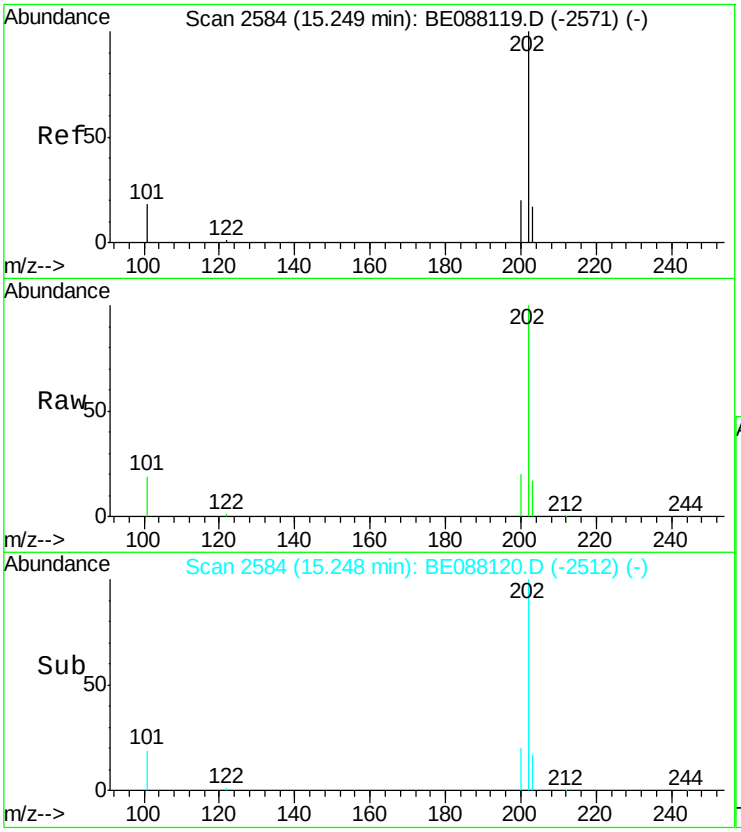


#14
Anthracene
Concen: 1.96 ng
RT: 13.09 min Scan# 2320
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:178 Resp: 227550

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	15.7	12.5	18.7

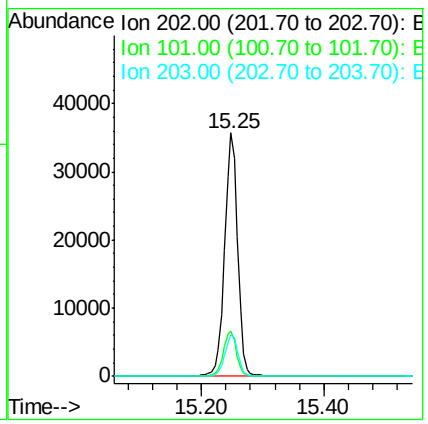




#15
Fluoranthene
Concen: 1.88 ng
RT: 15.25 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:202 Resp: 52943

Ion	Ratio	Lower	Upper
202	100		
101	18.7	14.8	22.2
203	17.2	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
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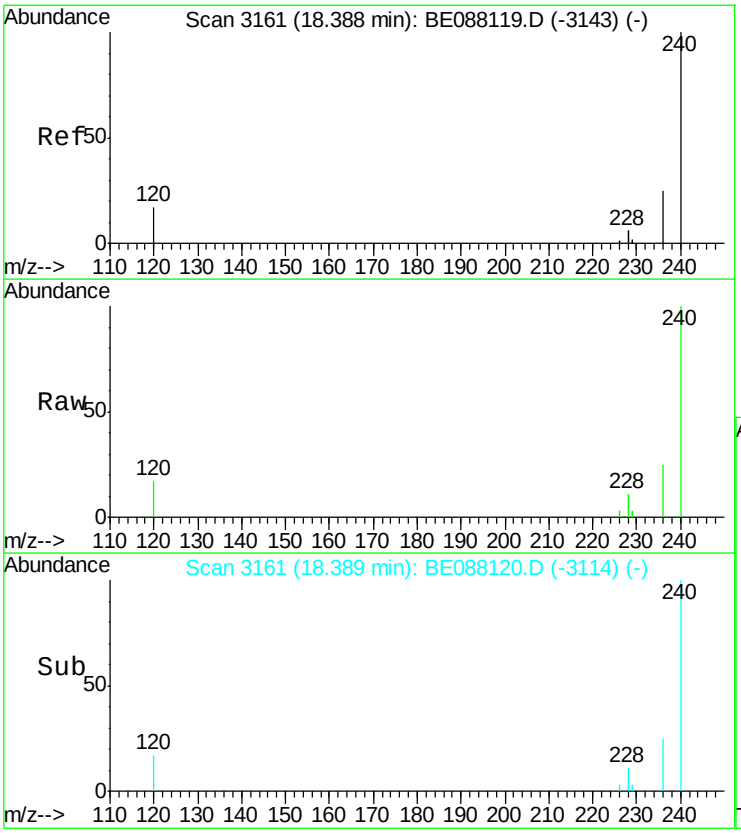
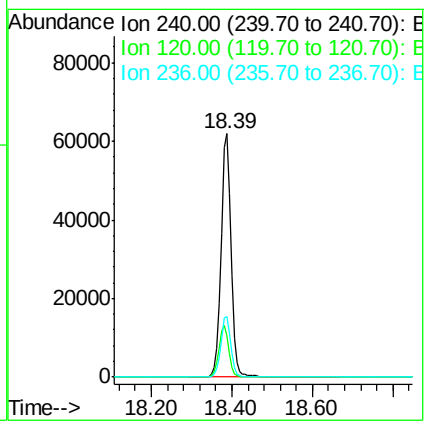
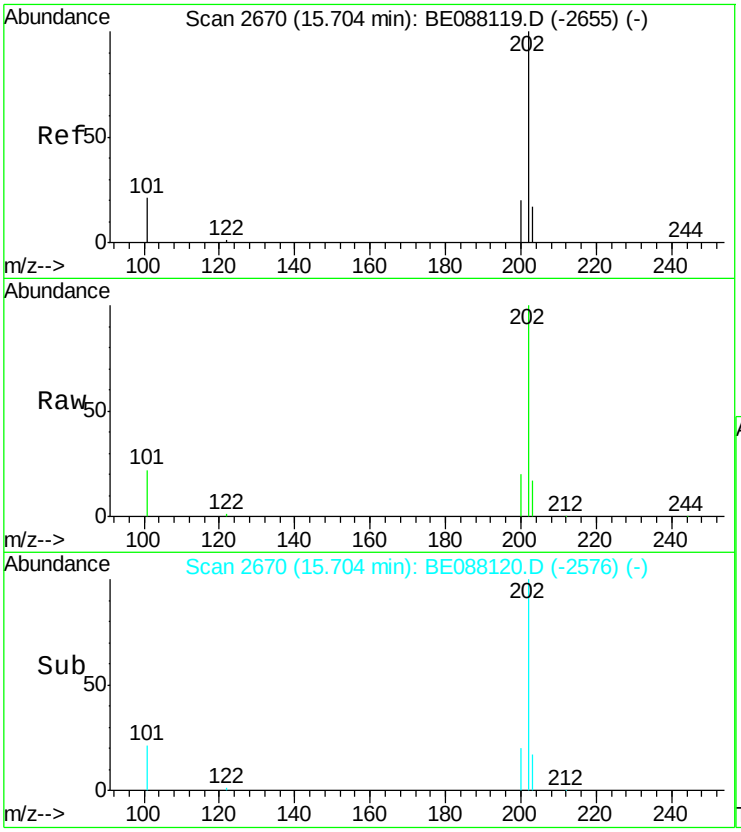


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:240 Resp: 106422

Ion	Ratio	Lower	Upper
240	100		
120	16.9	13.9	20.9
236	24.9	19.9	29.9





#17
Pyrene
Concen: 2.07 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:202 Resp: 56534

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.4	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

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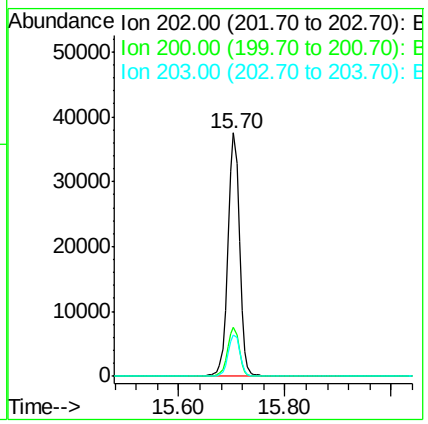
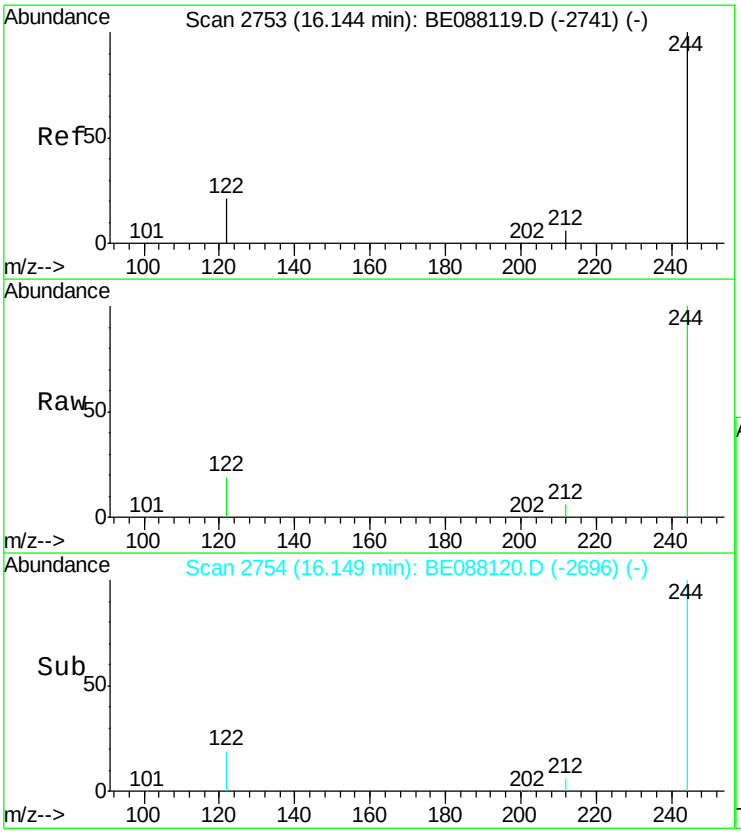
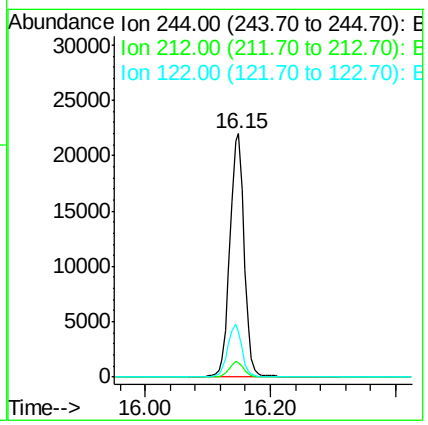


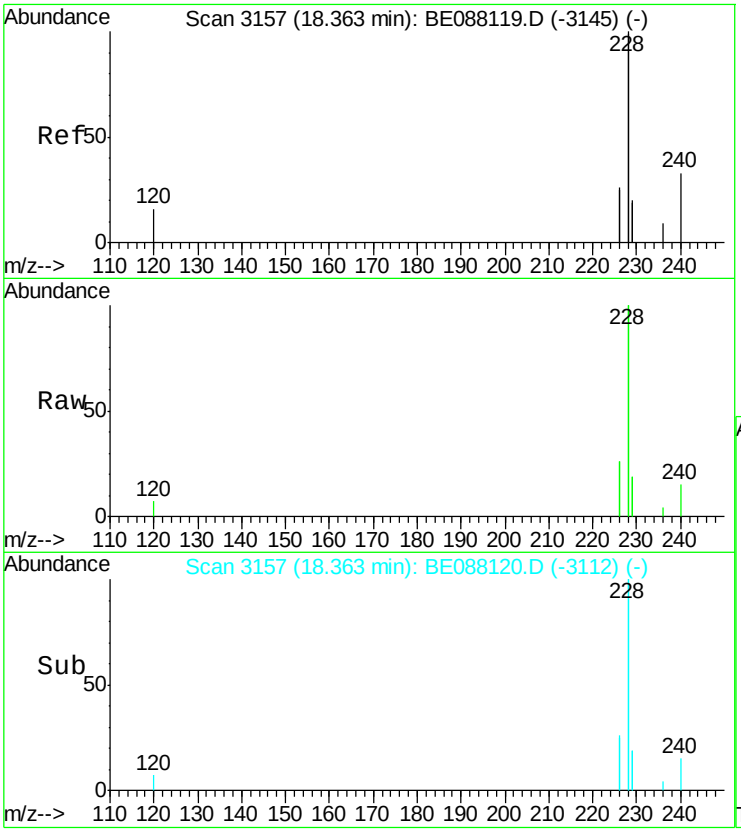


#18
Terphenyl-d14
Concen: 2.10 ng
RT: 16.15 min Scan# 2754
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:244 Resp: 34732

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	18.7	17.5	26.3

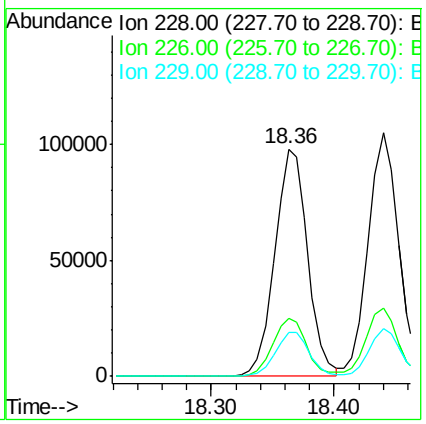




#19
Benzo(a)anthracene
Concen: 2.23 ng
RT: 18.36 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:228 Resp: 181352

Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.8	31.2
229	19.2	15.6	23.4



Instrument :
BNA_E
ClientSampleId :
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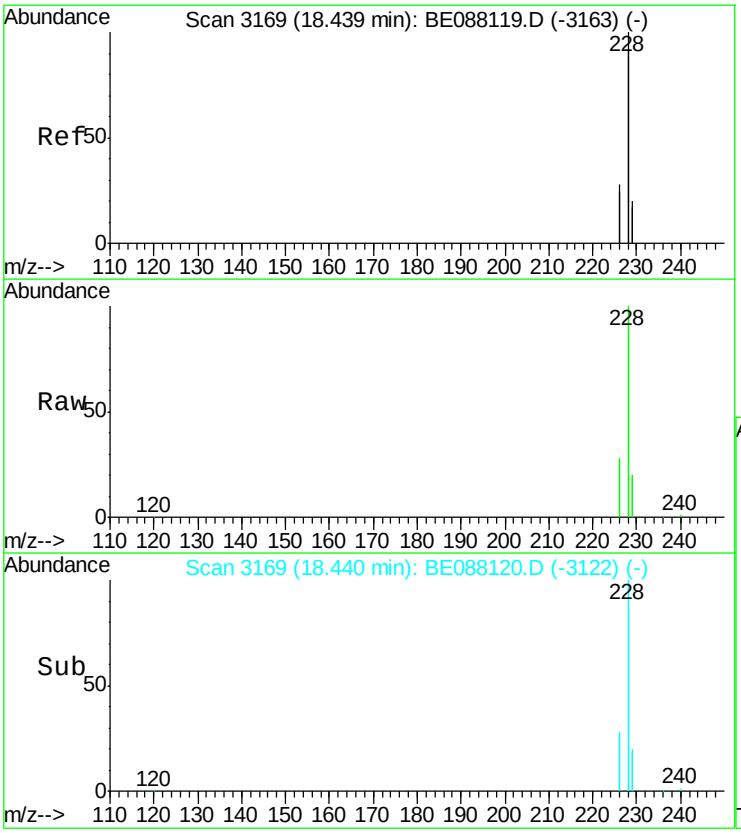
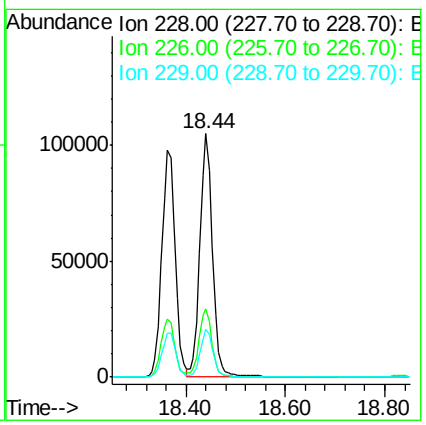
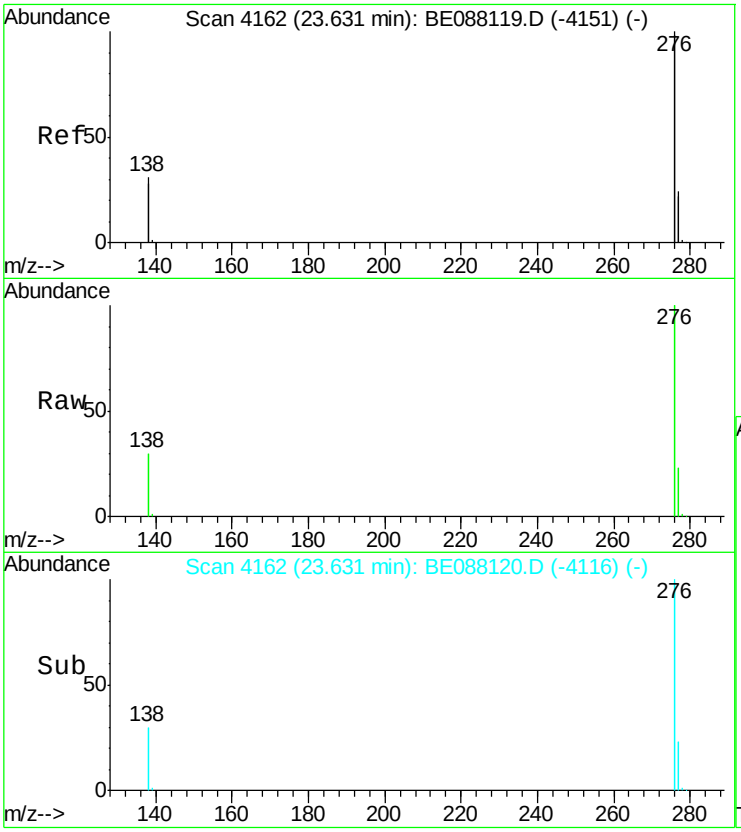


#20
Chrysene
Concen: 1.83 ng
RT: 18.44 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:228 Resp: 181862

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	19.6	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 2.61 ng m
RT: 23.63 min Scan# 4162
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Instrument :
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ClientSampleId :
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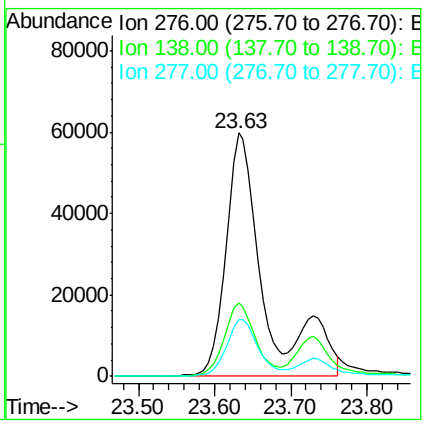
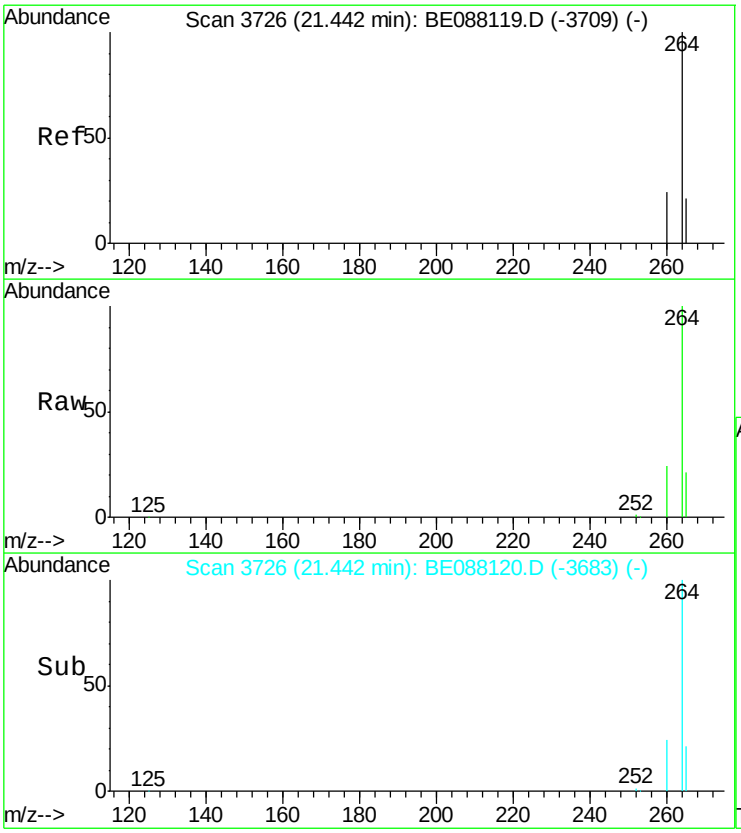
Tgt Ion:276 Resp: 211512

Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.5	27.7
277	18.7	14.6	21.8

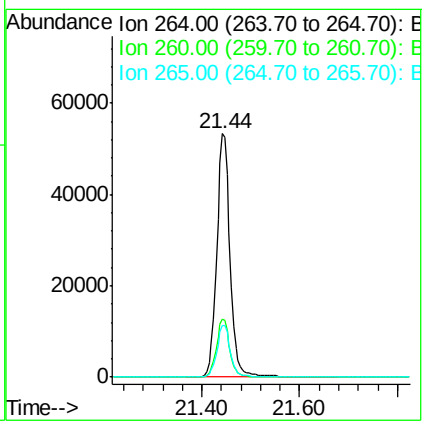


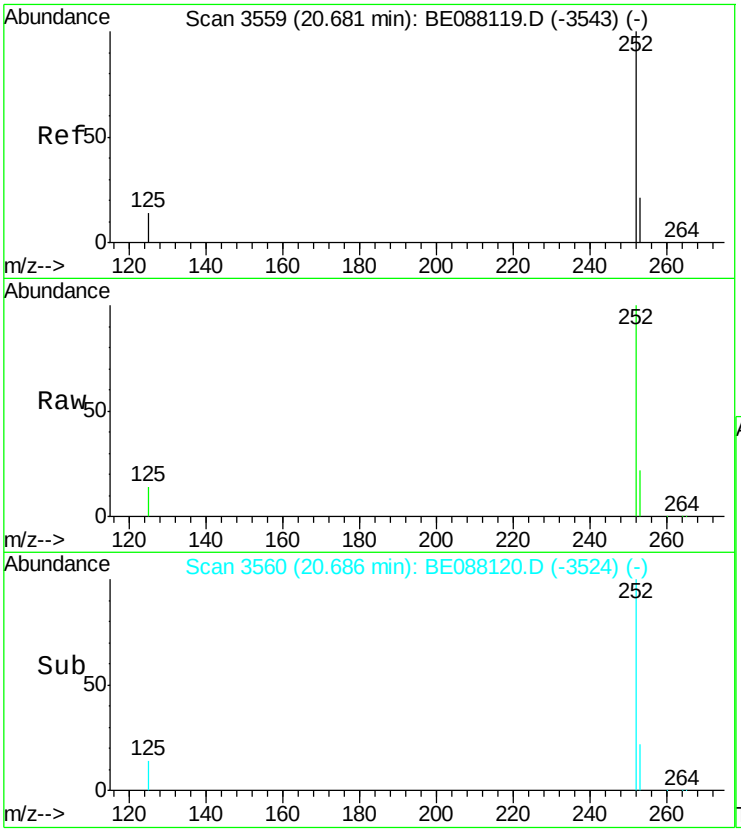


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3726
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:264 Resp: 99750

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.4	17.2	25.8

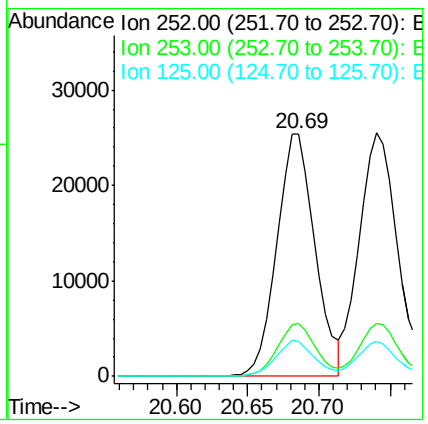




#23
Benzo(b)fluoranthene
Concen: 2.50 ng
RT: 20.69 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:252 Resp: 46707

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	14.3	11.8	17.8



Instrument :
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ClientSampleId :
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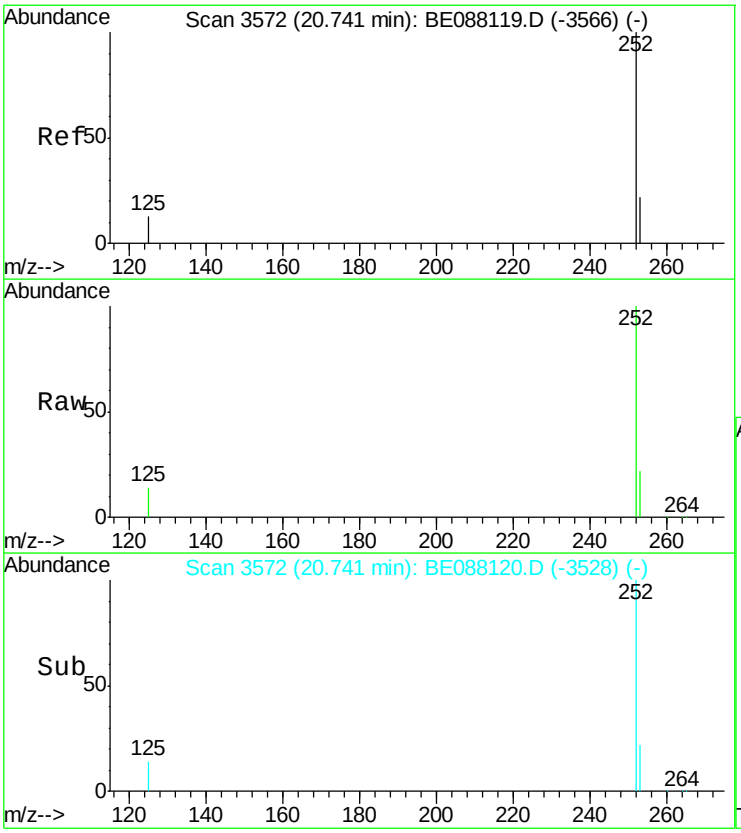
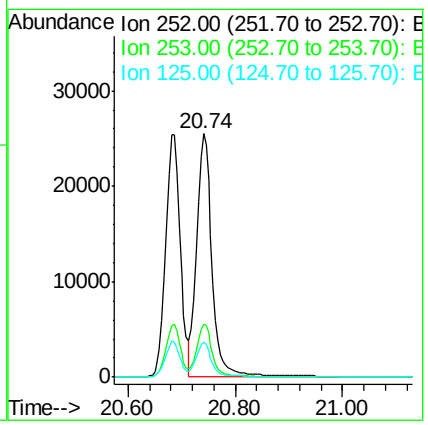
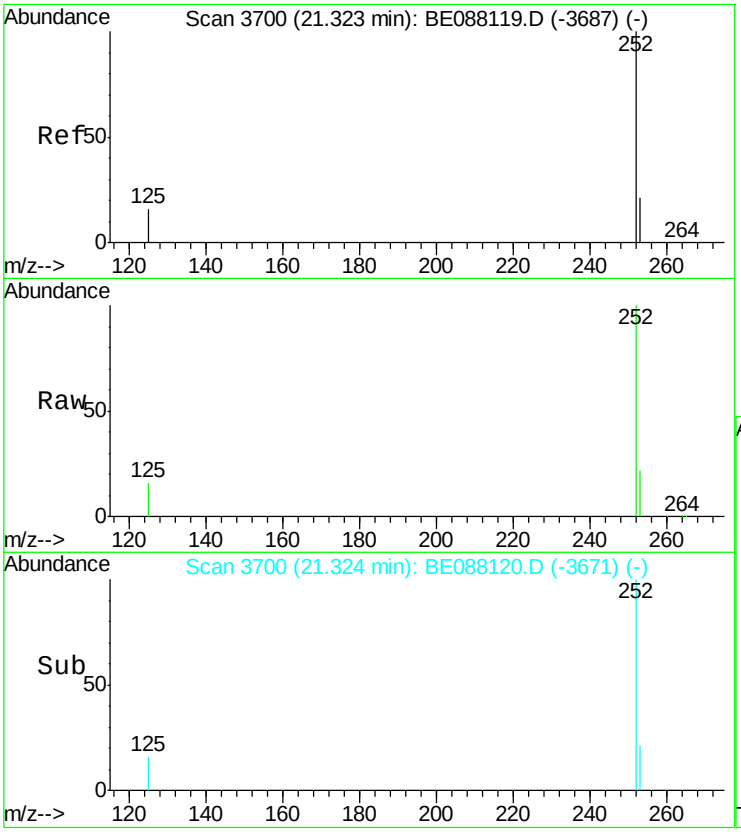


#24
Benzo(k)fluoranthene
Concen: 1.93 ng
RT: 20.74 min Scan# 3572
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:252 Resp: 50196

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	14.3	11.5	17.3

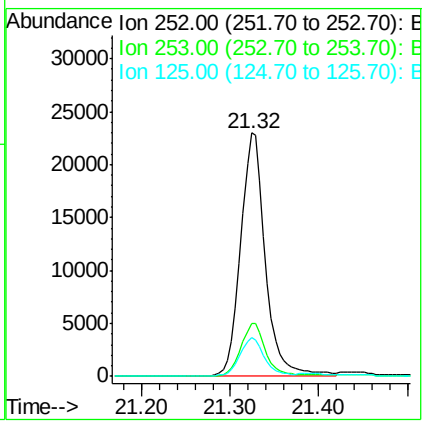




#25
Benzo(a)pyrene
Concen: 2.75 ng
RT: 21.32 min Scan# 3700
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:252 Resp: 44322

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	15.9	13.0	19.6



Instrument :
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ClientSampleId :
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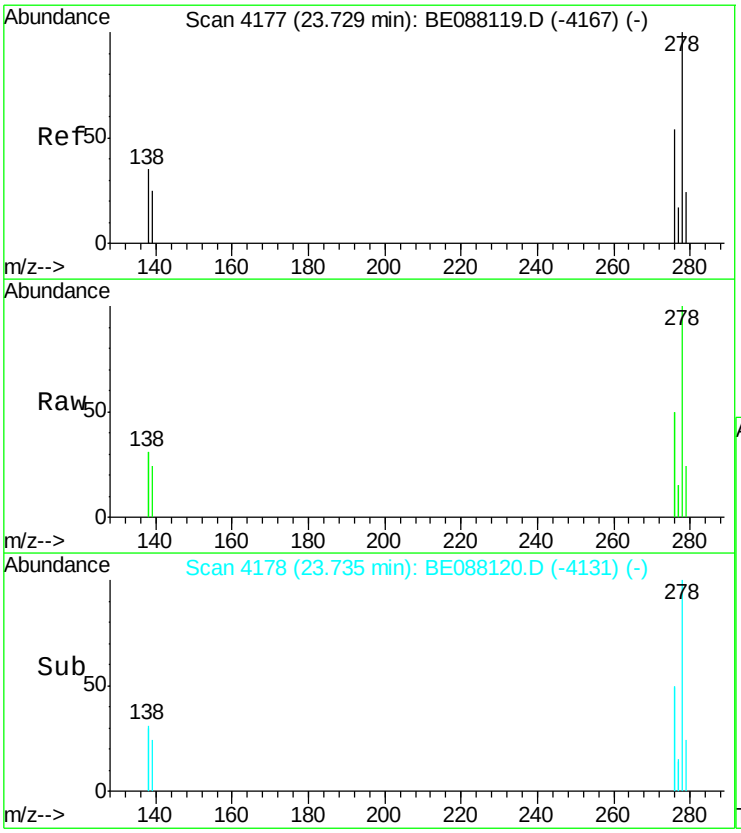
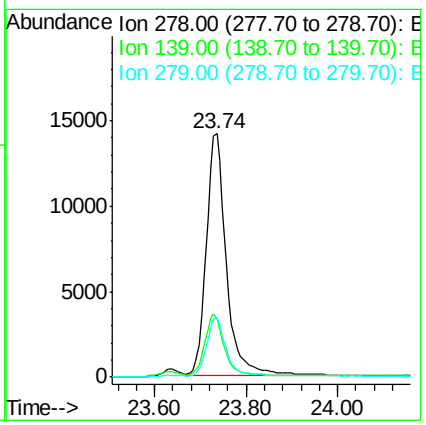
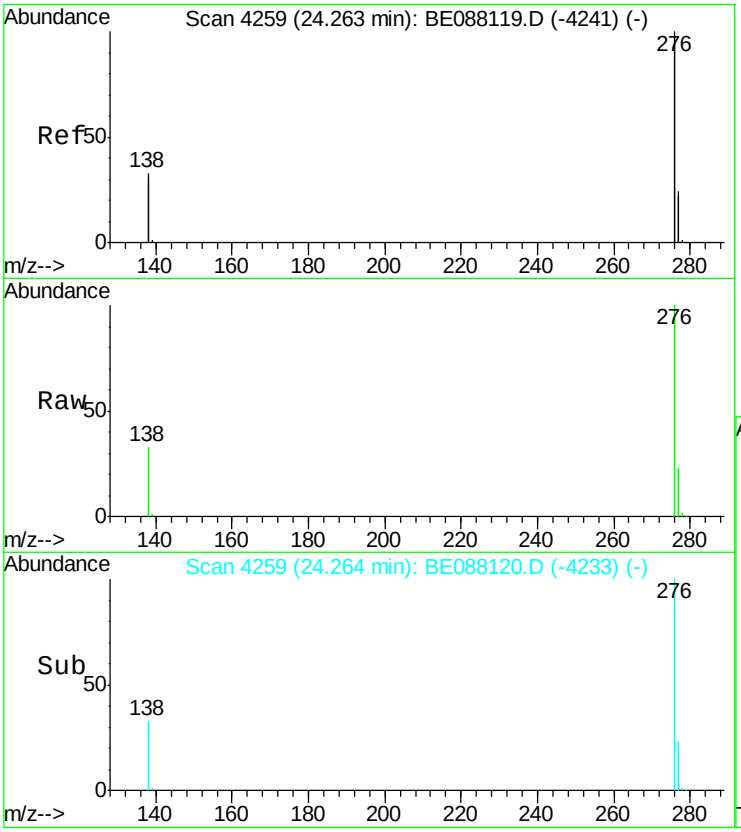


#26
Dibenzo(a,h)anthracene
Concen: 2.53 ng
RT: 23.74 min Scan# 4178
Delta R.T. 0.01 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:278 Resp: 43168

Ion	Ratio	Lower	Upper
278	100		
139	24.0	20.9	31.3
279	24.4	19.8	29.8

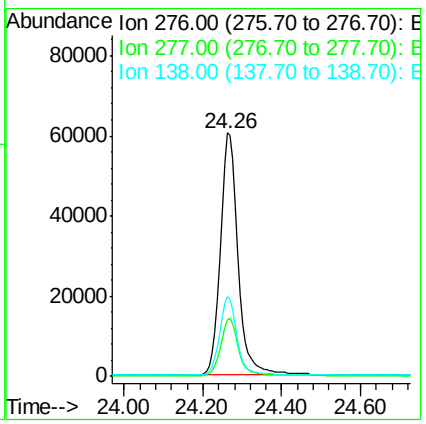




#27
Benzo(g,h,i)perylene
Concen: 2.29 ng
RT: 24.26 min Scan# 4259
Delta R.T. 0.00 min
Lab File: BE088120.D
Acq: 20 Oct 2014 22:20

Tgt Ion:276 Resp: 188146

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	32.8	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

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