Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088423.D
Acq On : 31 Oct 2014 15:19
Operator : TP/JJ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
mohammad
11/4/2014 9:05:35 AM

Quant Time: Oct 31 23:35:07 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:20:37 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	37110	5.00	ng		0.00
3) Naphthalene-d8	8.65	136	141749	5.00	ng		0.00
7) Acenaphthene-d10	10.79	164	68025	5.00	ng		0.00
12) Phenanthrene-d10	12.90	188	128897	5.00	ng		0.00
16) Chrysene-d12	18.31	240	60798	5.00	ng		0.00
22) Perylene-d12	21.37	264	52011	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.77	82	2218	0.21	ng		0.00
8) 2-Fluorobiphenyl	9.98	172	4233	0.22	ng		0.00
18) Terphenyl-d14	16.07	244	2461	0.22	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.38	88	1052	0.22	ng		99
5) Naphthalene	8.67	128	6661	0.22	ng		99
6) 2-Methylnaphthalene	9.53	142	4062	0.22	ng		98
9) Acenaphthylene	10.62	152	25060	0.22	ng		99
10) Acenaphthene	10.84	154	3745	0.23	ng		95
11) Fluorene	11.50	166	3822	0.22	ng		99
13) Phenanthrene	12.94	178	21558m	0.16	ng		
14) Anthracene	13.02	178	21005	0.22	ng		97
15) Fluoranthene	15.18	202	4114	0.22	ng		100
17) Pyrene	15.63	202	4359	0.22	ng		100
19) Benzo(a)anthracene	18.29	228	12597	0.22	ng		97
20) Chrysene	18.36	228	12253	0.22	ng		97
21) Indeno(1,2,3-cd)pyrene	23.55	276	11218m	0.21	ng		
23) Benzo(b)fluoranthene	20.61	252	2448	0.22	ng	#	94
24) Benzo(k)fluoranthene	20.67	252	2683	0.21	ng	#	93
25) Benzo(a)pyrene	21.26	252	2341	0.21	ng		95
26) Dibenzo(a,h)anthracene	23.64	278	2194	0.22	ng	#	90
27) Benzo(g,h,i)perylene	24.17	276	10259	0.22	ng		94

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088423.D
Acq On : 31 Oct 2014 15:19
Operator : TP/JJ
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 23:35:07 2014
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Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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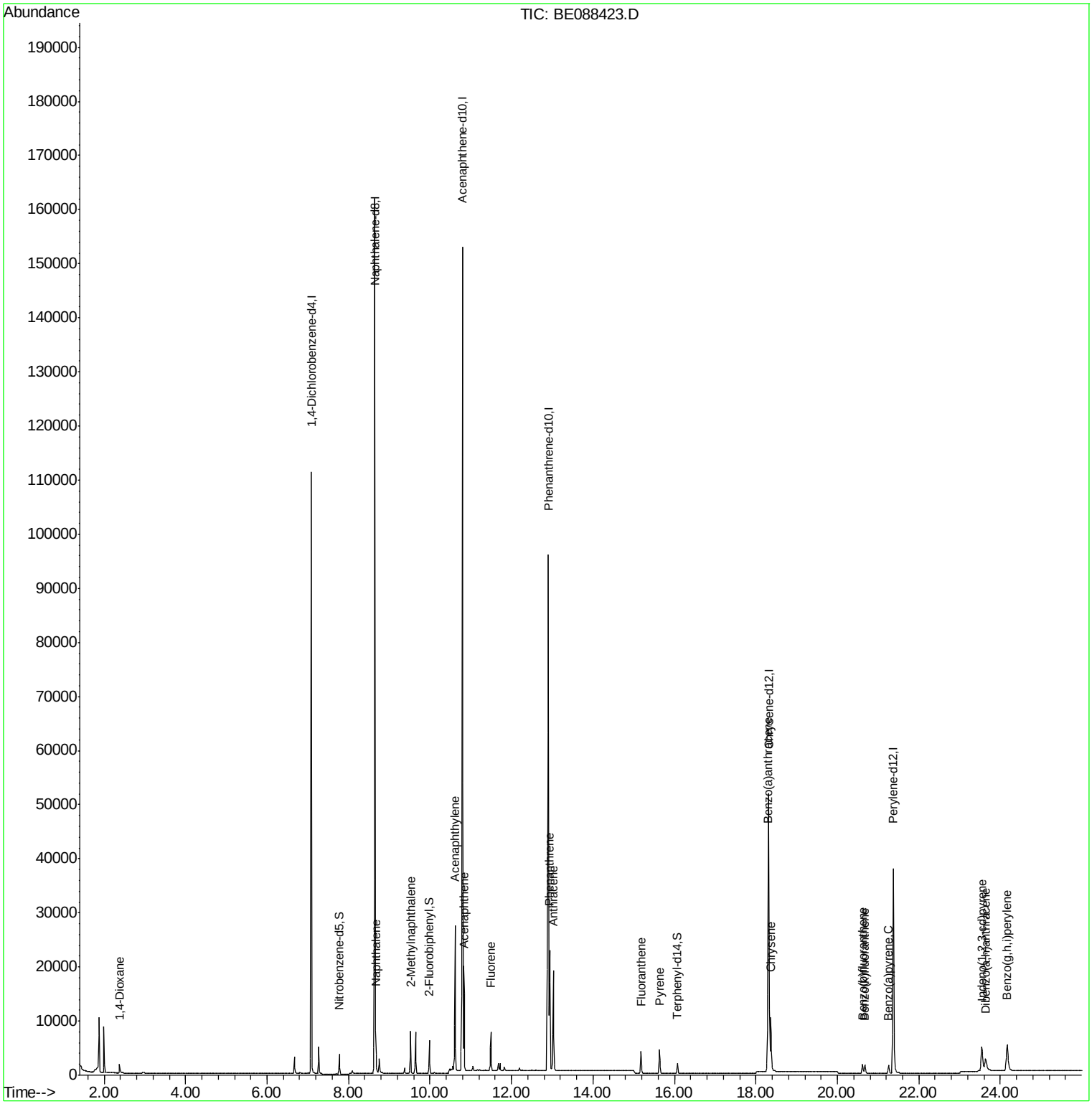
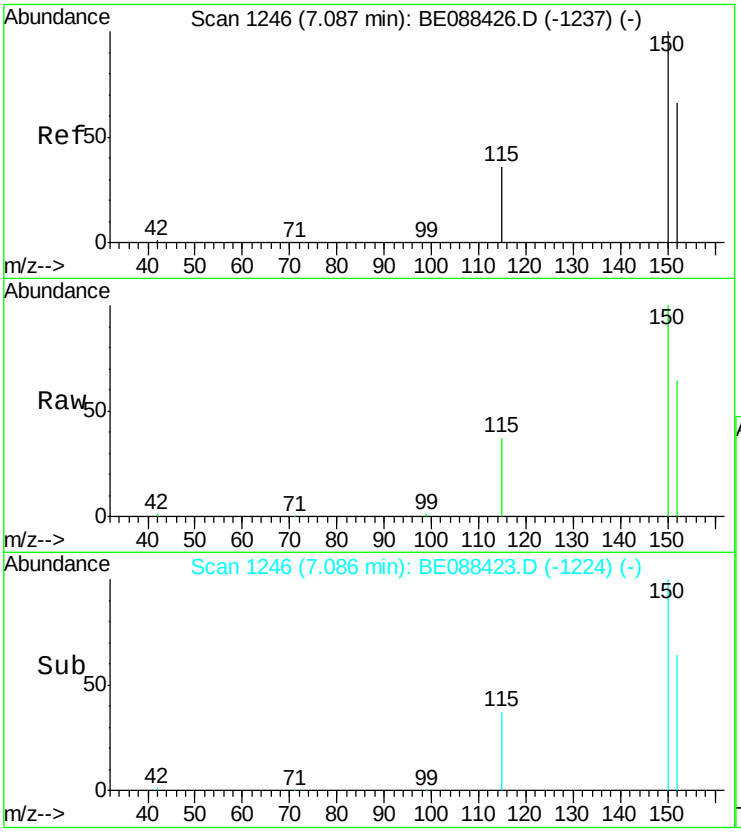
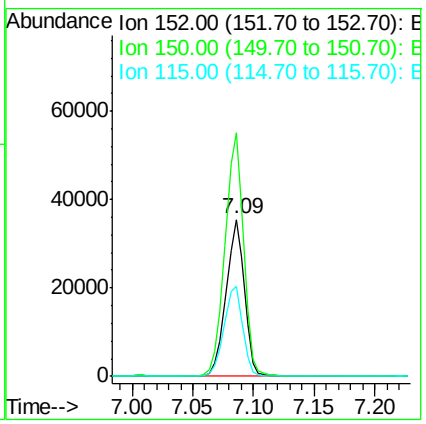




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:152 Resp: 37110

Ion	Ratio	Lower	Upper
152	100		
150	155.3	121.8	182.8
115	57.0	43.9	65.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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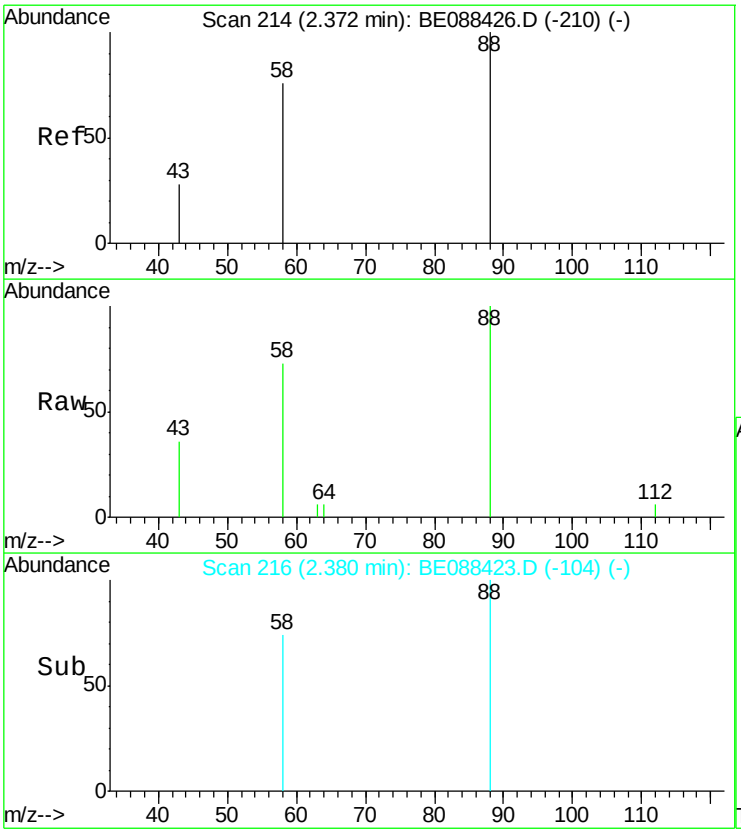
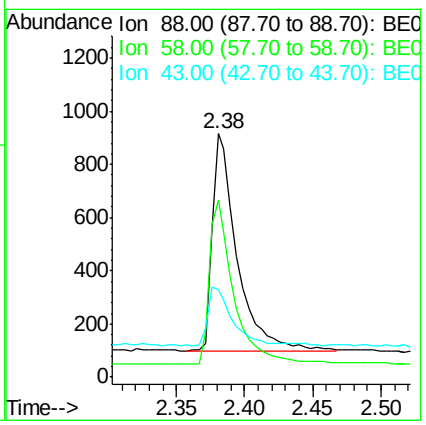
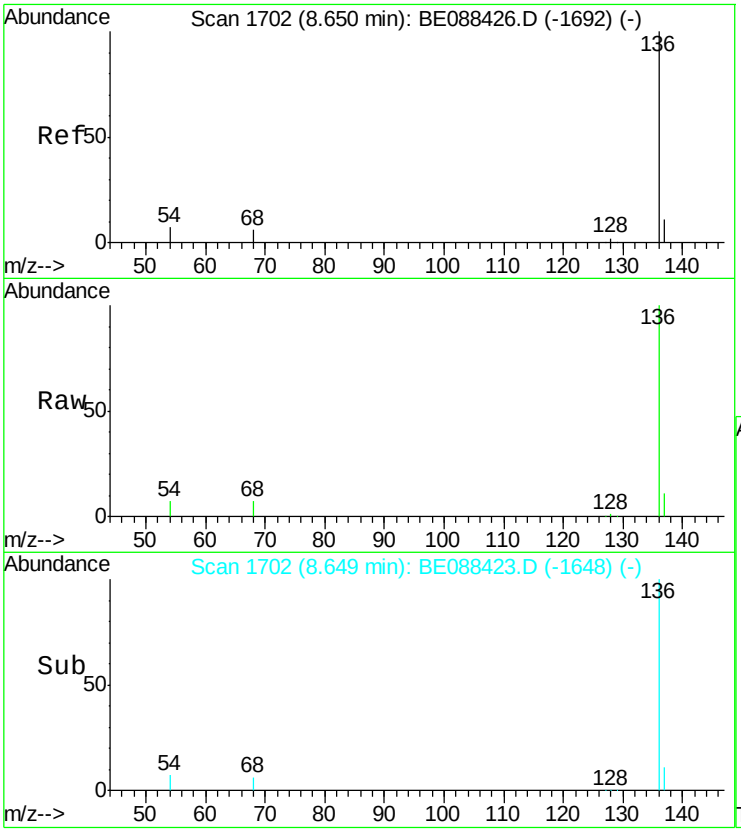


#2
1,4-Dioxane
Concen: 0.22 ng
RT: 2.38 min Scan# 216
Delta R.T. 0.01 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion: 88 Resp: 1052

Ion	Ratio	Lower	Upper
88	100		
58	74.9	59.1	88.7
43	27.9	21.9	32.9

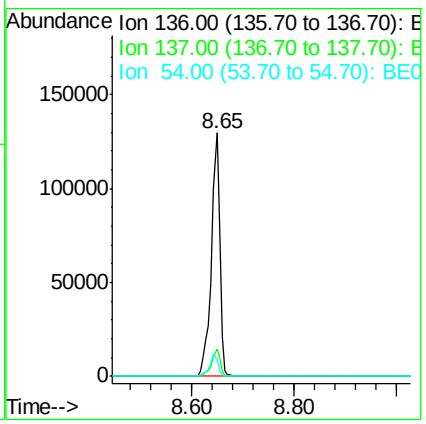




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:136 Resp: 141749

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.8	5.3	7.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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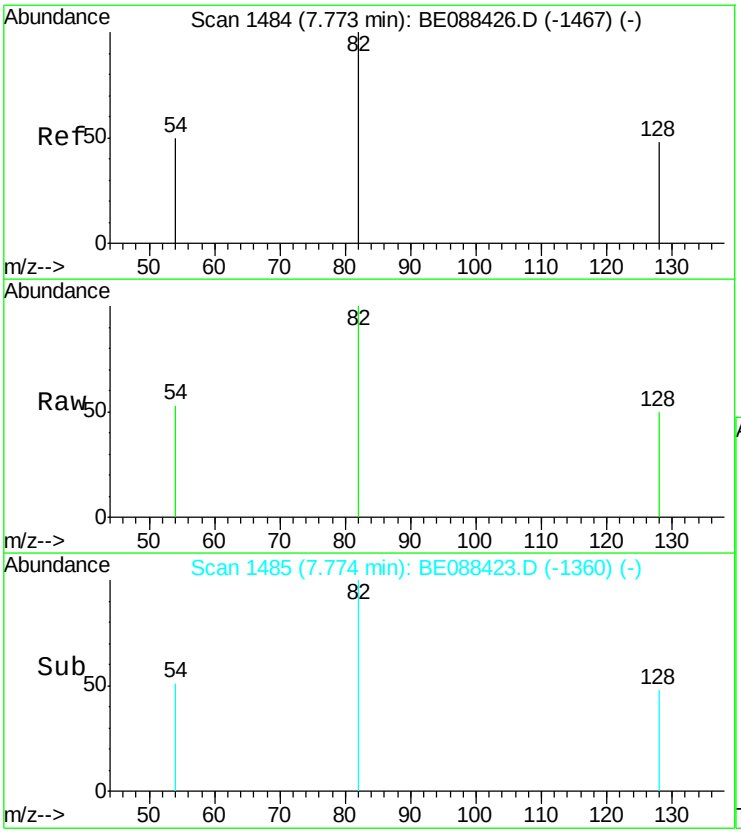
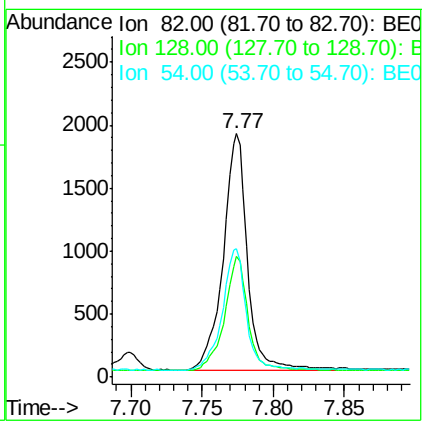
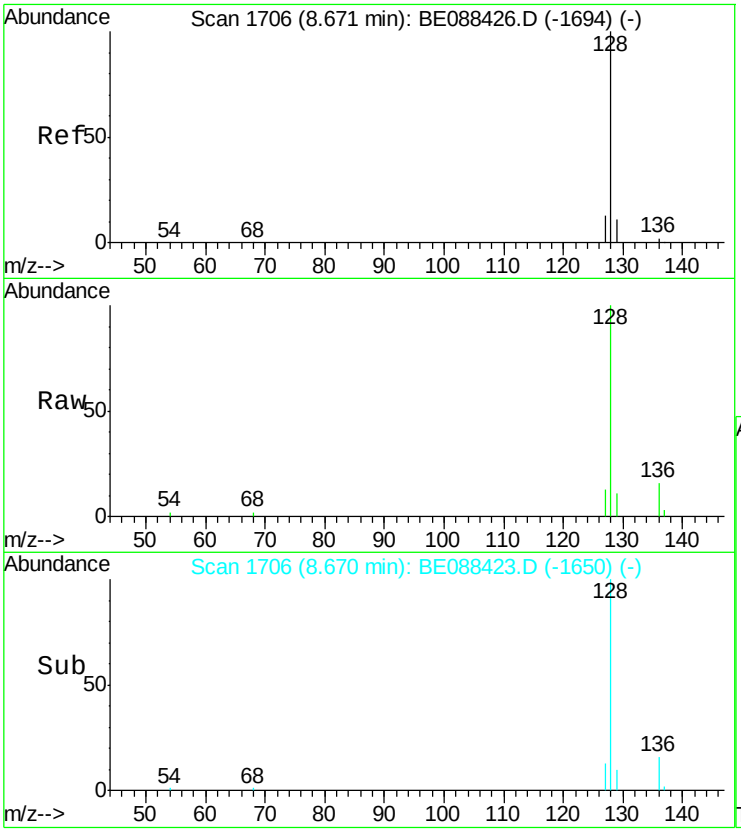


#4
Nitrobenzene-d5
Concen: 0.21 ng
RT: 7.77 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion: 82 Resp: 2218

Ion	Ratio	Lower	Upper
82	100		
128	49.6	38.4	57.6
54	52.5	40.2	60.2

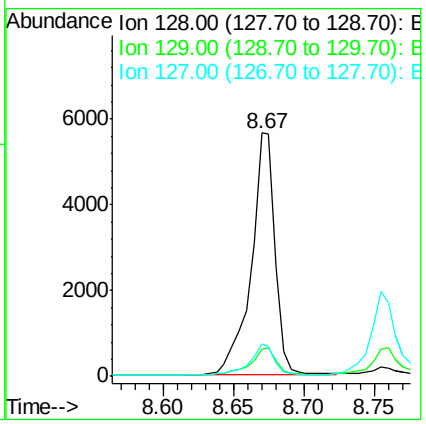




#5
Naphthalene
Concen: 0.22 ng
RT: 8.67 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:128 Resp: 6661

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.2	10.1	15.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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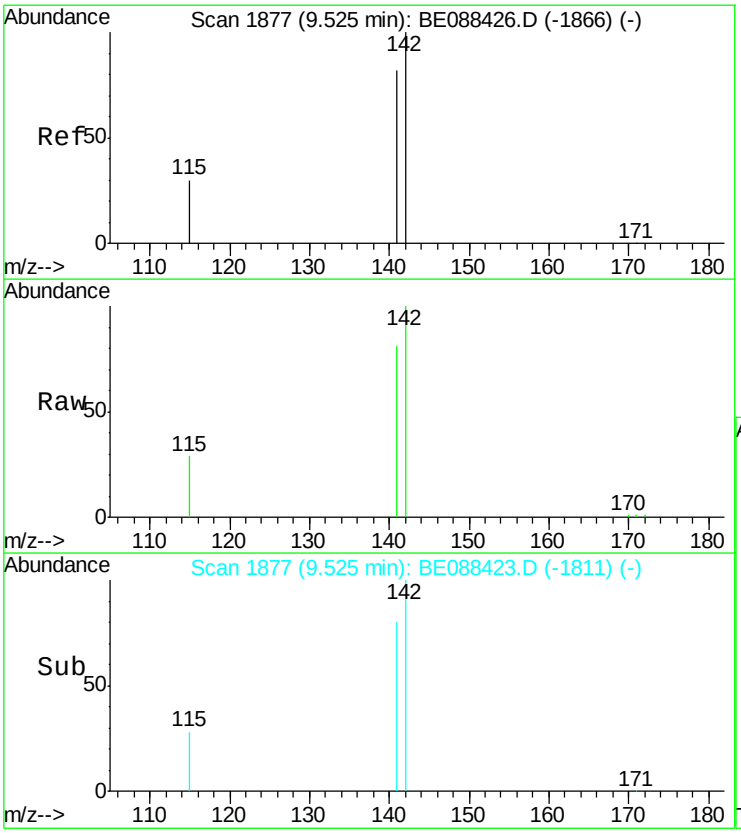
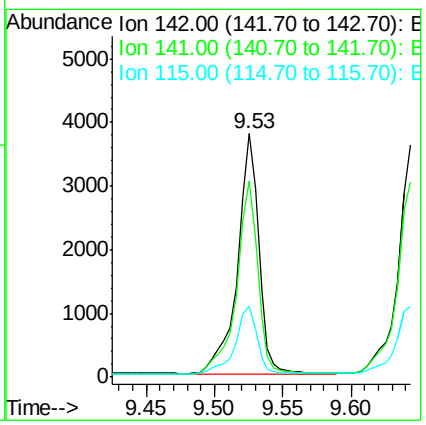
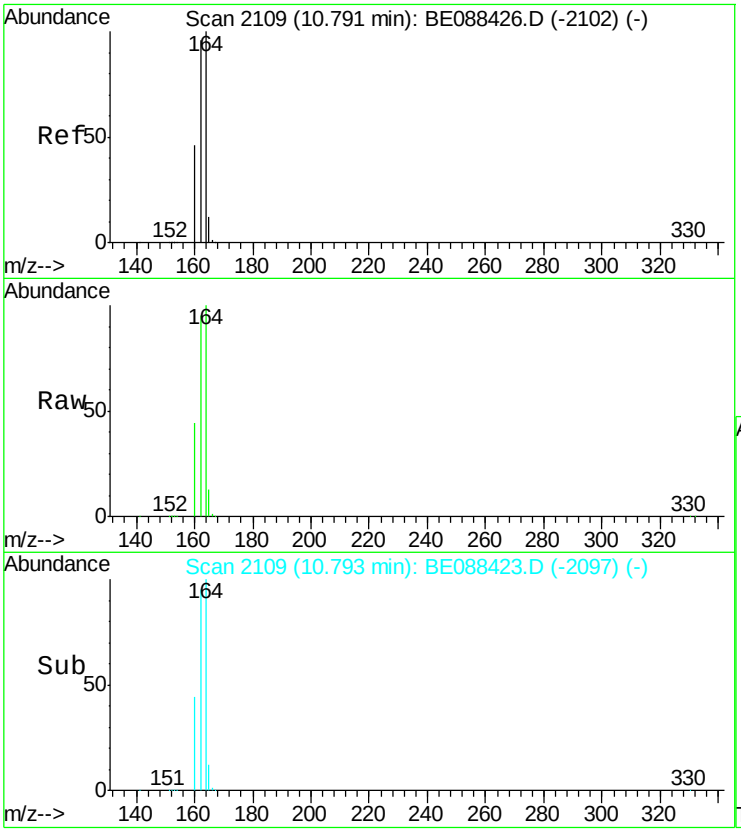


#6
2-Methylnaphthalene
Concen: 0.22 ng
RT: 9.53 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:142 Resp: 4062

Ion	Ratio	Lower	Upper
142	100		
141	80.7	65.8	98.8
115	29.2	24.2	36.4

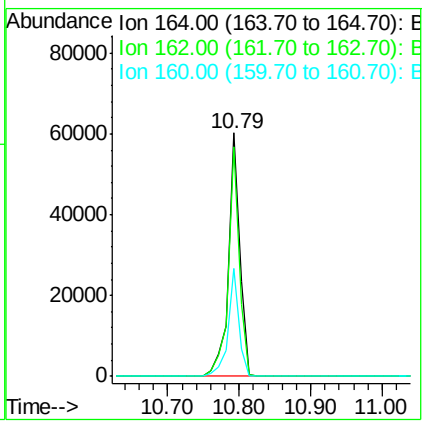




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.79 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:164 Resp: 68025

Ion	Ratio	Lower	Upper
164	100		
162	94.5	77.0	115.4
160	44.3	36.8	55.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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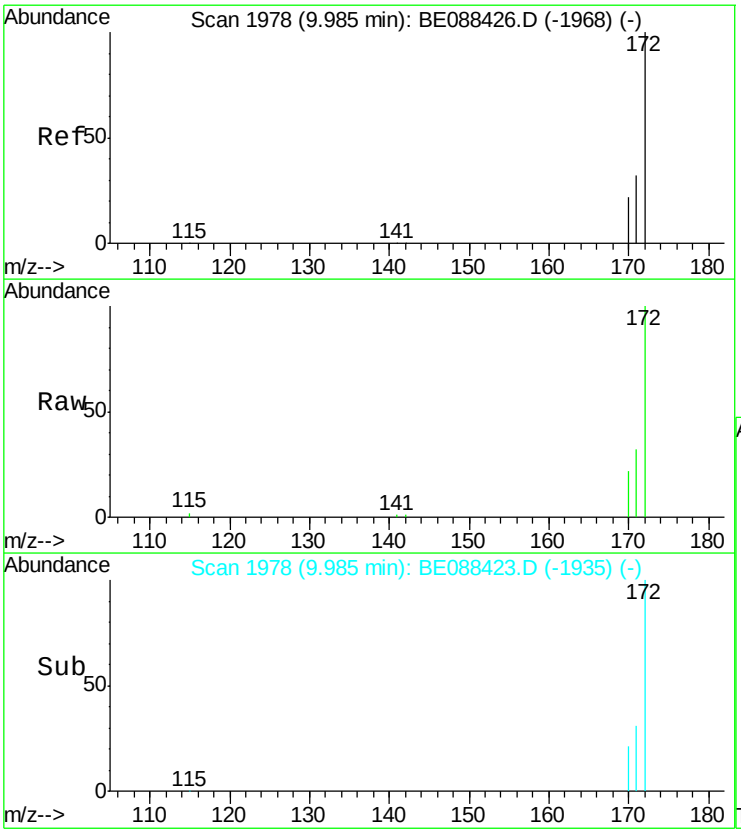
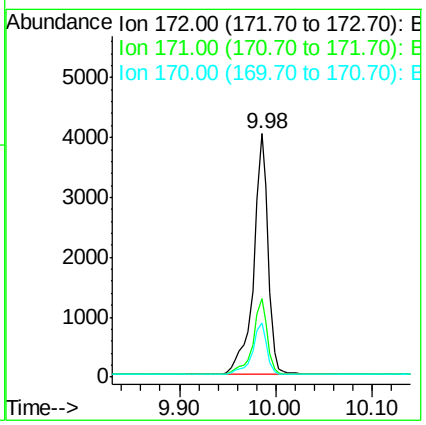
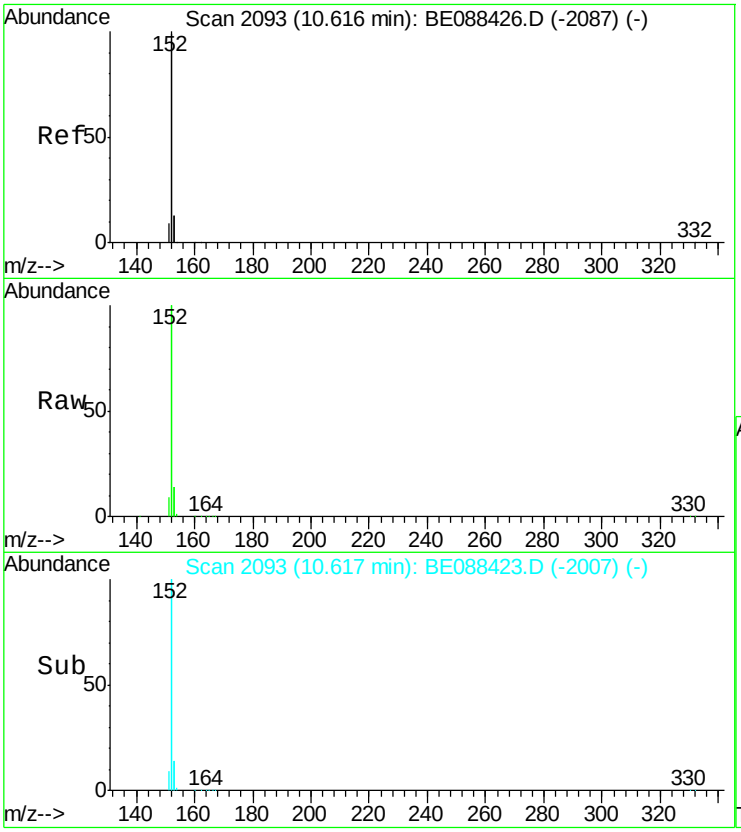


#8
2-Fluorobiphenyl
Concen: 0.22 ng
RT: 9.98 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:172 Resp: 4233

Ion	Ratio	Lower	Upper
172	100		
171	32.2	26.0	39.0
170	22.3	17.6	26.4

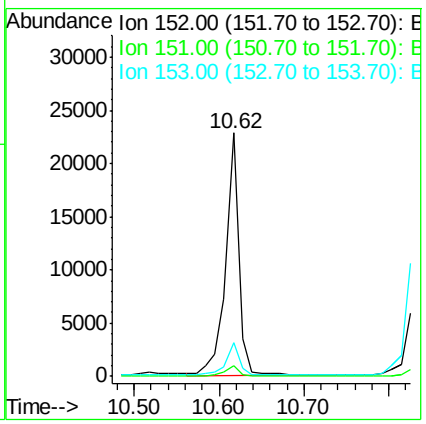




#9
Acenaphthylene
Concen: 0.22 ng
RT: 10.62 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:152 Resp: 25060

Ion	Ratio	Lower	Upper
152	100		
151	4.6	4.4	6.6
153	13.4	10.5	15.7



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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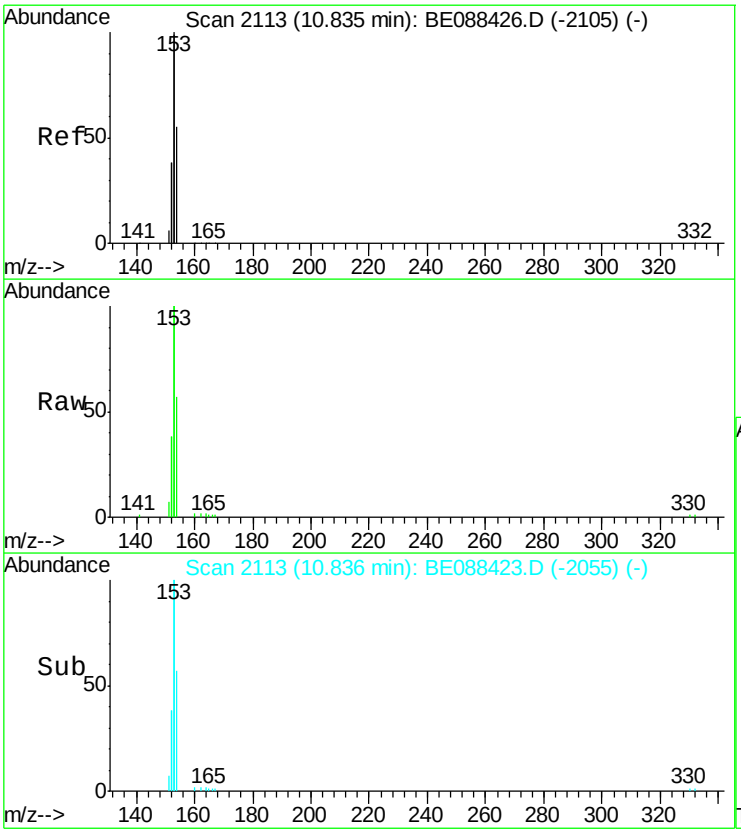
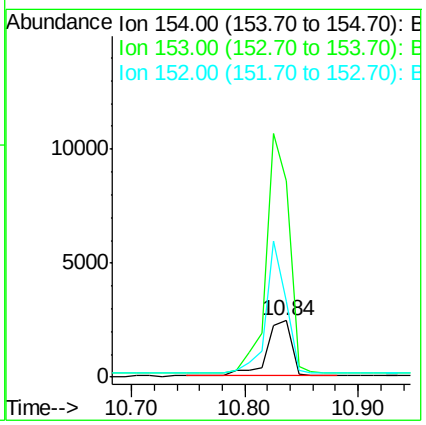
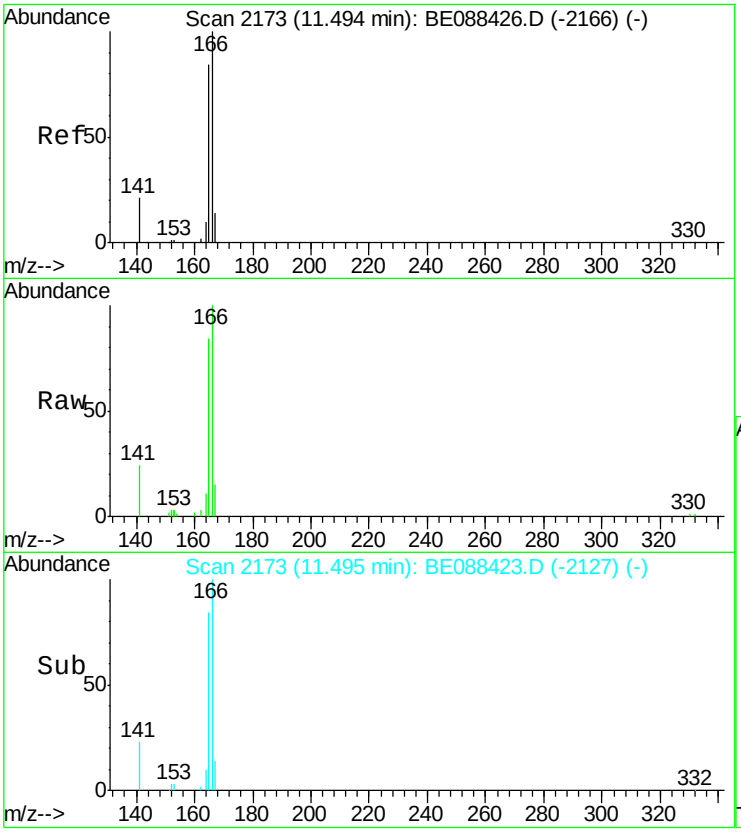


#10
Acenaphthene
Concen: 0.23 ng
RT: 10.84 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:154 Resp: 3745

Ion	Ratio	Lower	Upper
154	100		
153	387.7	324.3	486.5
152	194.3	154.9	232.3





#11
Fluorene
Concen: 0.22 ng
RT: 11.50 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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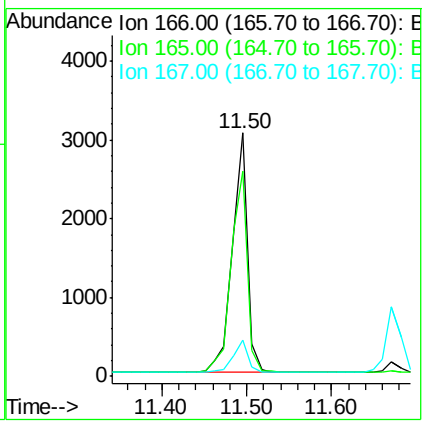
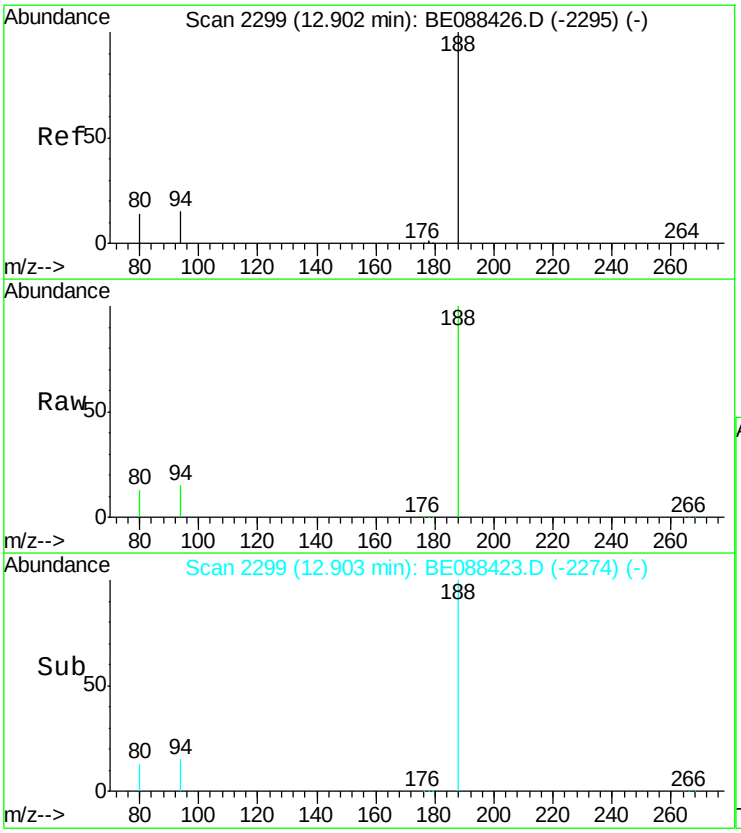
11/4/2014 9:05:35 AM

Tgt Ion:166 Resp: 3822

Ion	Ratio	Lower	Upper
166	100		
165	89.9	71.3	106.9
167	13.6	10.7	16.1

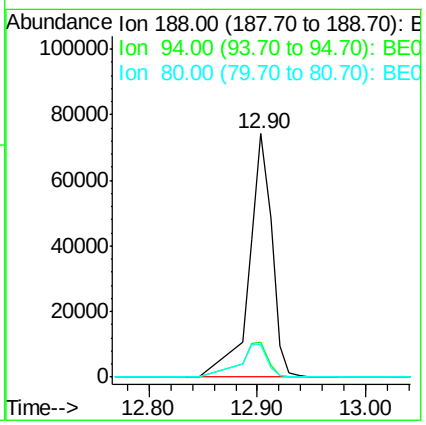


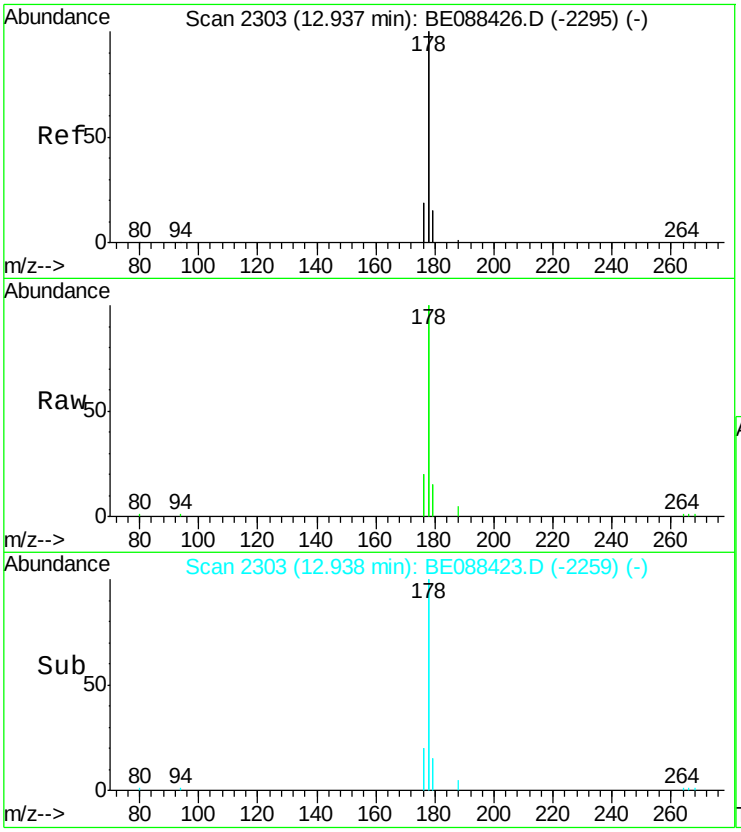


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:188 Resp: 128897

Ion	Ratio	Lower	Upper
188	100		
94	14.5	11.8	17.8
80	13.2	10.9	16.3





#13
Phenanthrene
Concen: 0.16 ng m
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:178 Resp: 21558

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.8	12.8	19.2

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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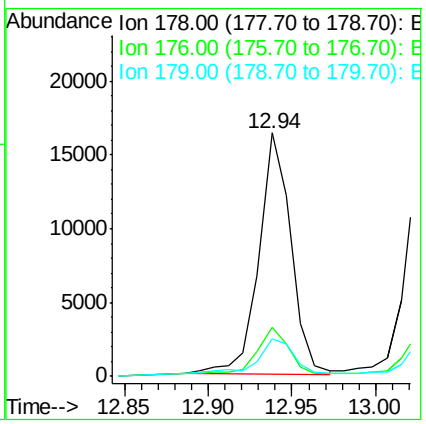
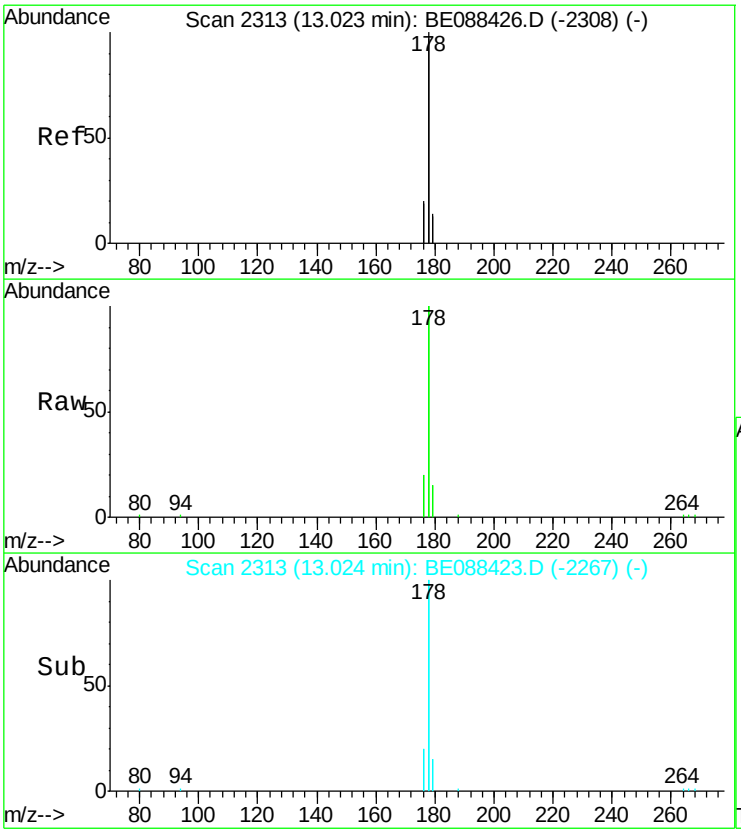
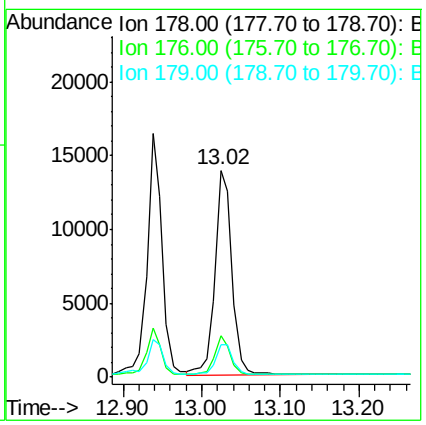


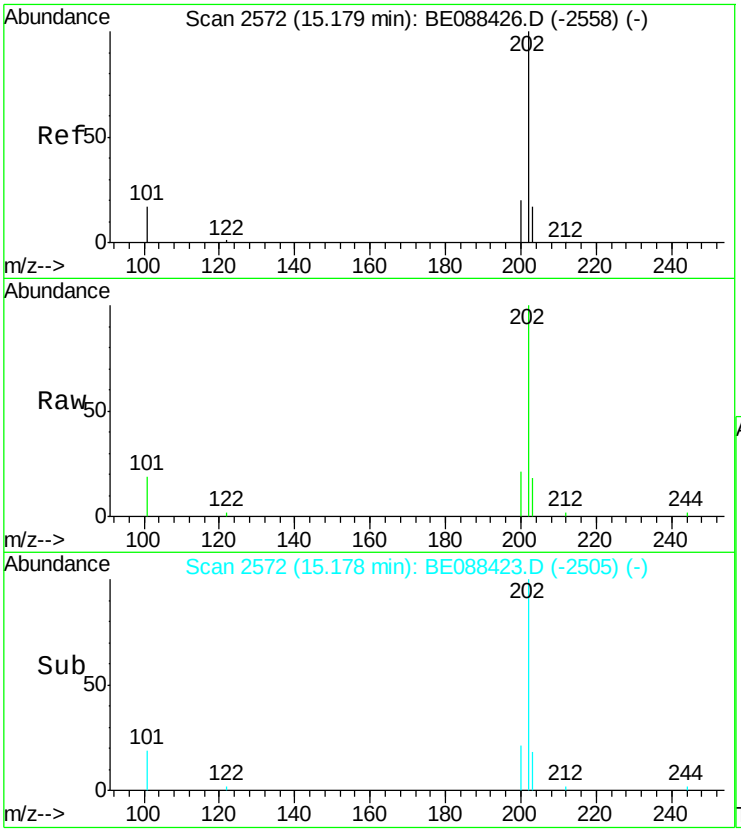


#14
Anthracene
Concen: 0.22 ng
RT: 13.02 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:178 Resp: 21005

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.4
179	17.3	12.5	18.7

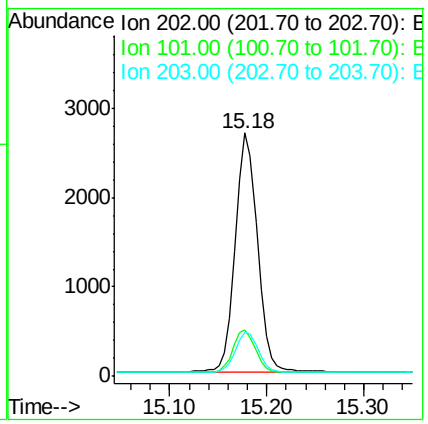




#15
Fluoranthene
Concen: 0.22 ng
RT: 15.18 min Scan# 2572
Delta R.T. -0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:202 Resp: 4114

Ion	Ratio	Lower	Upper
202	100		
101	17.8	14.3	21.5
203	17.0	13.6	20.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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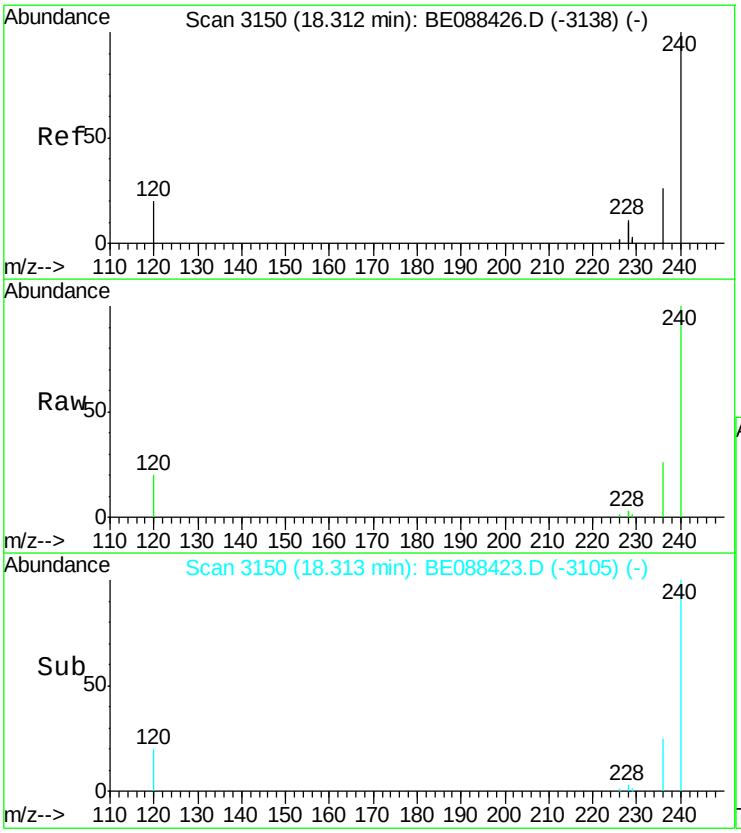
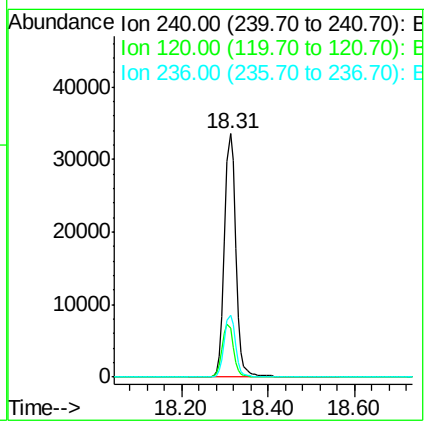
11/4/2014 9:05:35 AM

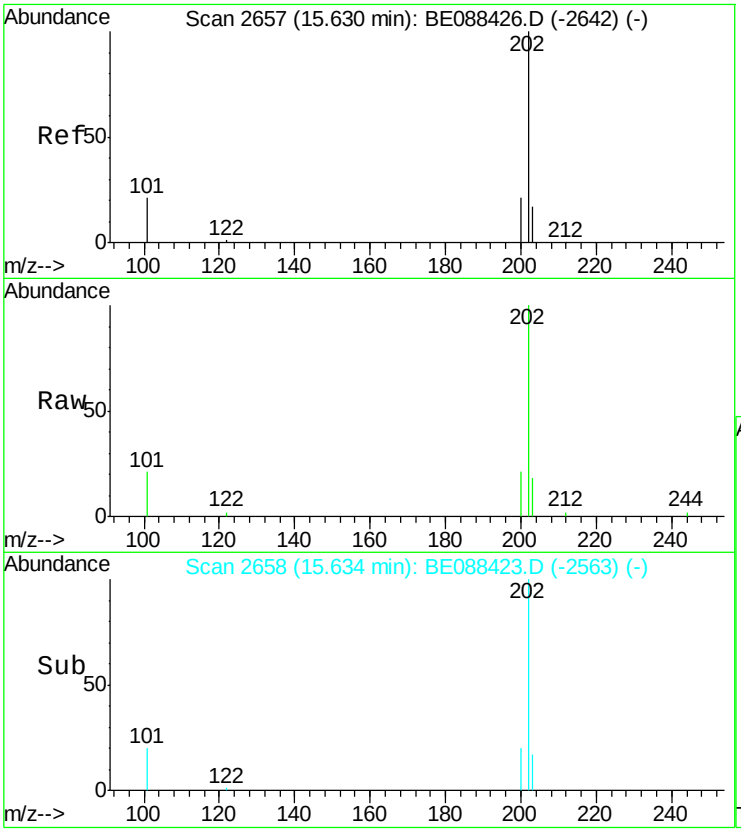


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:240 Resp: 60798

Ion	Ratio	Lower	Upper
240	100		
120	20.3	16.4	24.6
236	25.5	20.5	30.7

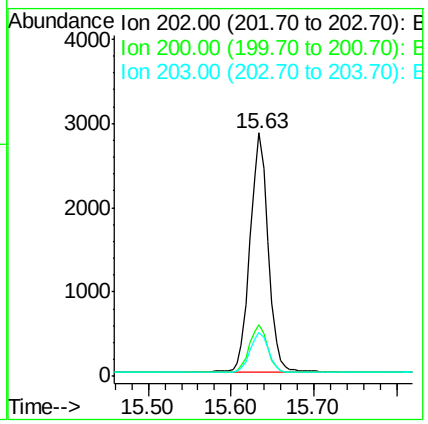




#17
Pyrene
Concen: 0.22 ng
RT: 15.63 min Scan# 2658
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:202 Resp: 4359

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.0	13.8	20.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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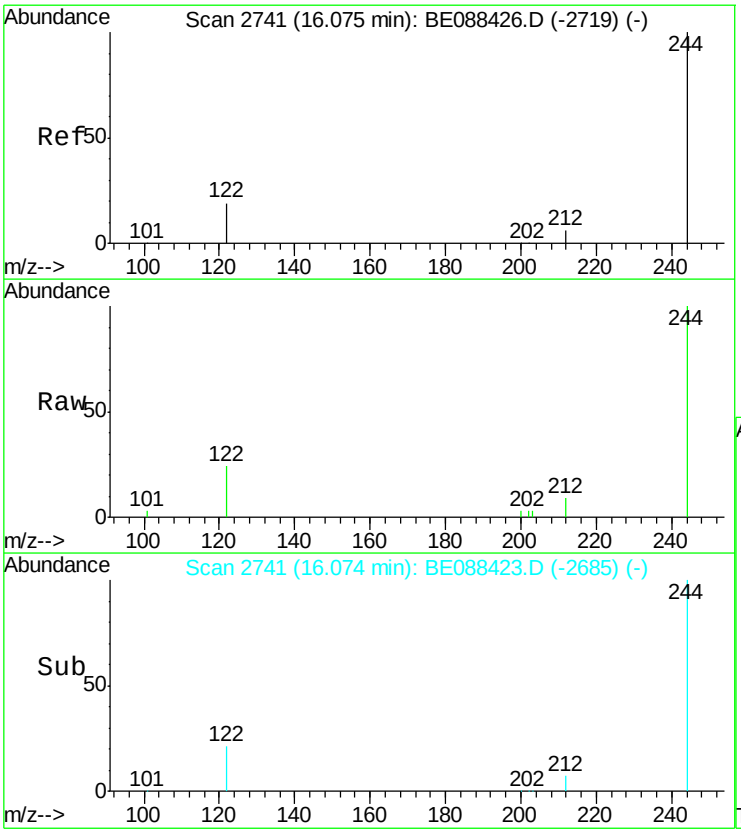
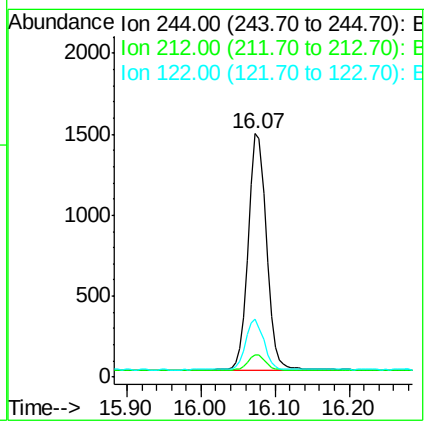
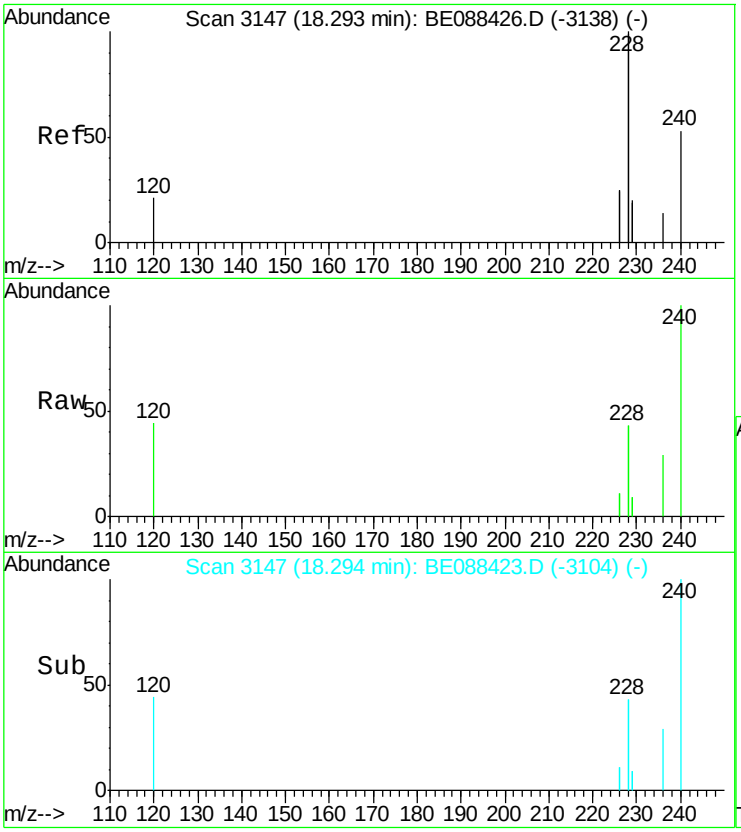


#18
Terphenyl-d14
Concen: 0.22 ng
RT: 16.07 min Scan# 2741
Delta R.T. -0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:244 Resp: 2461

Ion	Ratio	Lower	Upper
244	100		
212	9.4	5.5	8.3#
122	23.7	15.6	23.4#

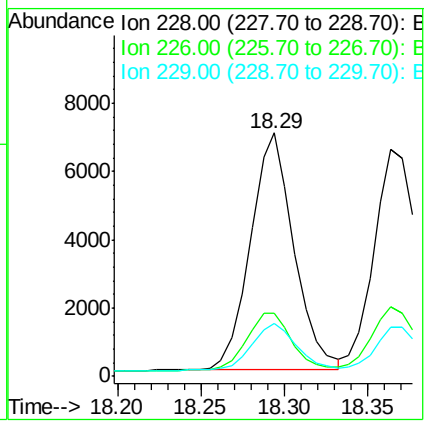




#19
Benzo(a)anthracene
Concen: 0.22 ng
RT: 18.29 min Scan# 3147
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:228 Resp: 12597

Ion	Ratio	Lower	Upper
228	100		
226	26.1	19.8	29.6
229	21.7	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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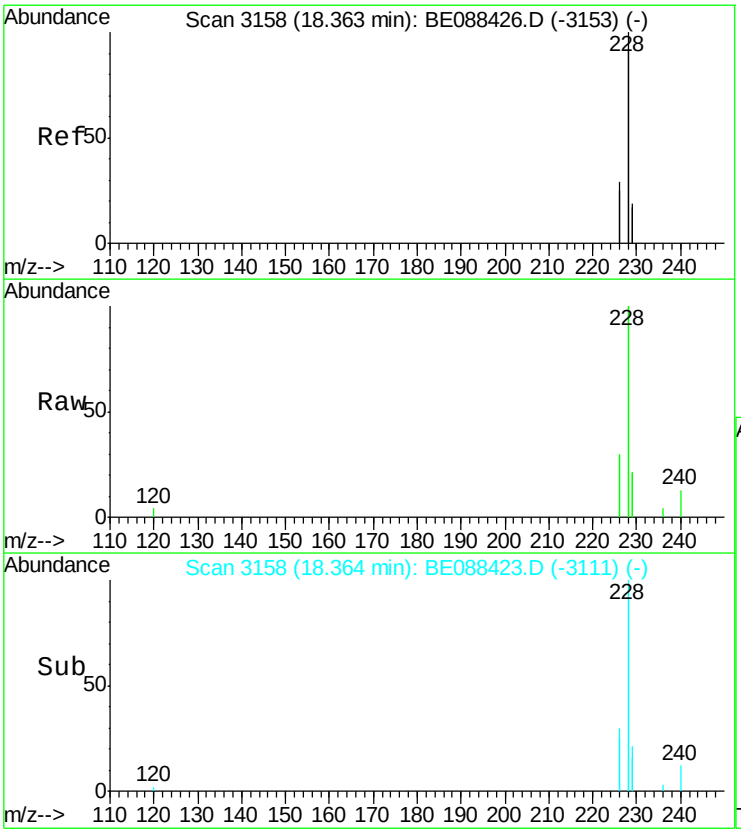
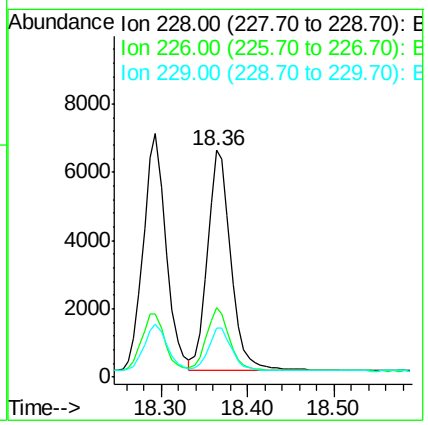
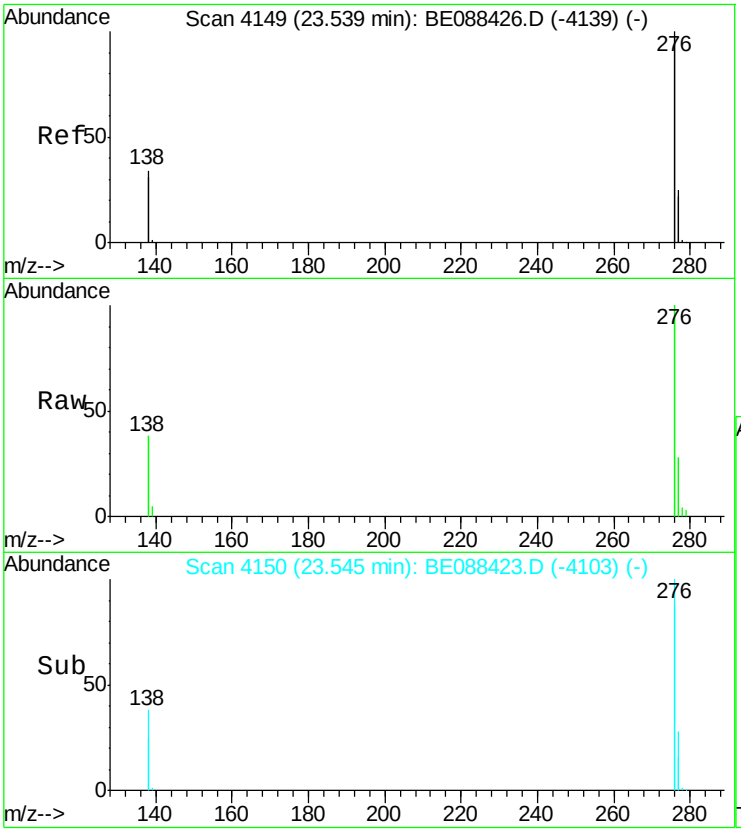


#20
Chrysene
Concen: 0.22 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:228 Resp: 12253

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.6	35.4
229	21.3	15.4	23.2

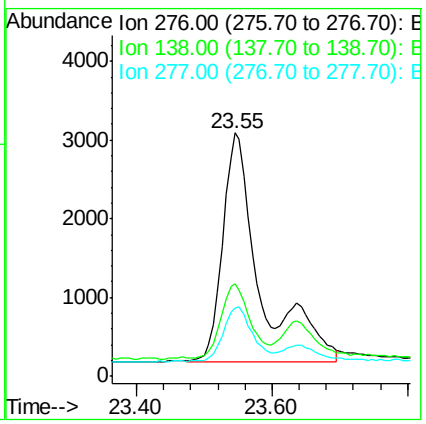




#21
Indeno(1,2,3-cd)pyrene
Concen: 0.21 ng m
RT: 23.55 min Scan# 4150
Delta R.T. 0.01 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:276 Resp: 11218

Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.2	30.2
277	18.4	14.8	22.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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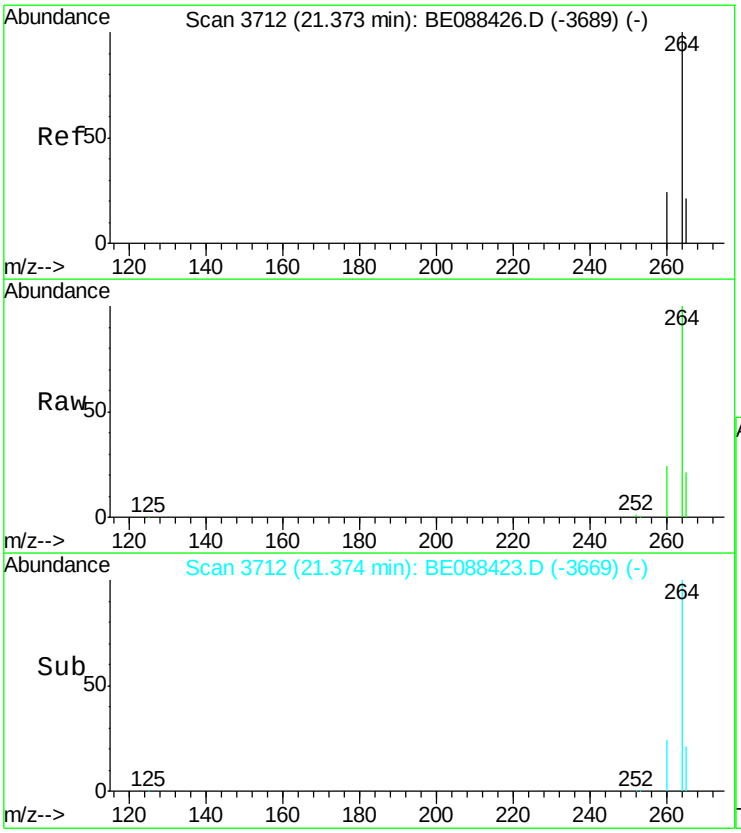
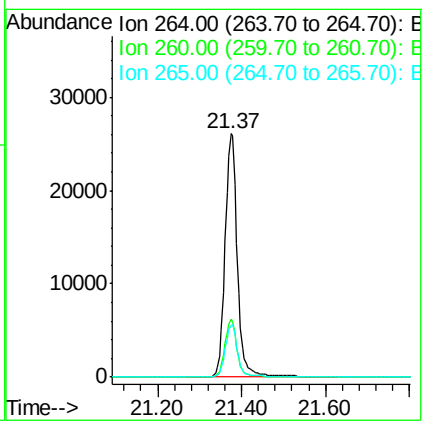
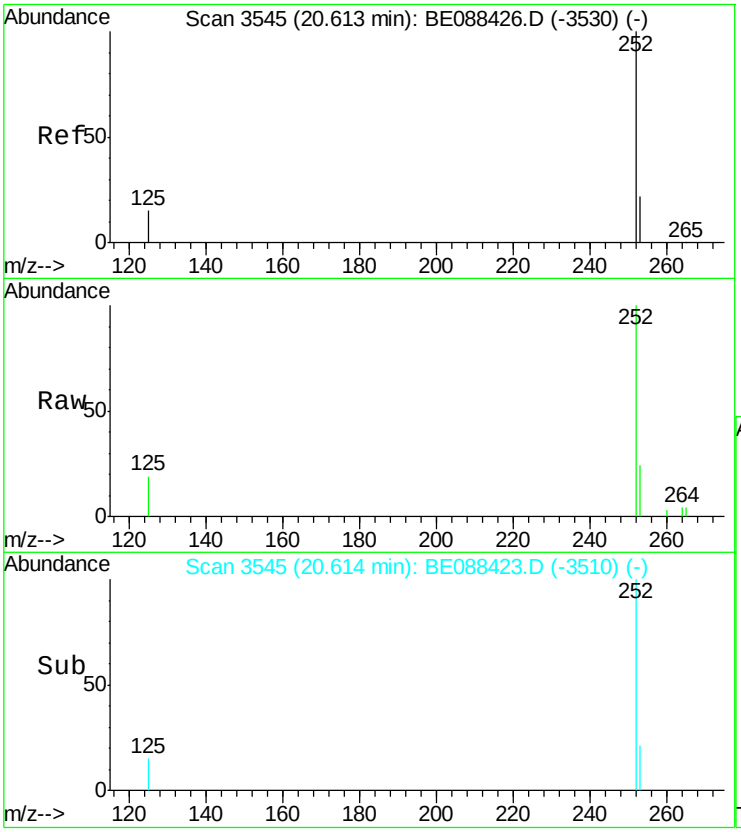


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3712
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:264 Resp: 52011

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.3	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 0.22 ng
RT: 20.61 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:252 Resp: 2448

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	19.2	12.3	18.5#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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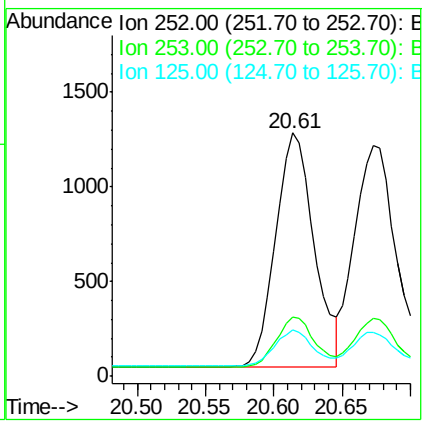
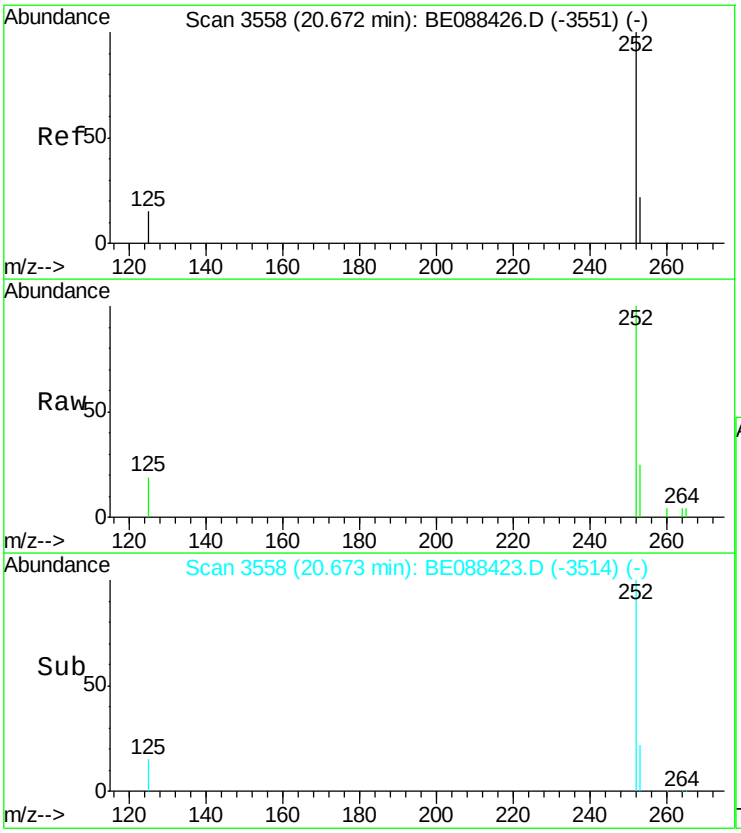
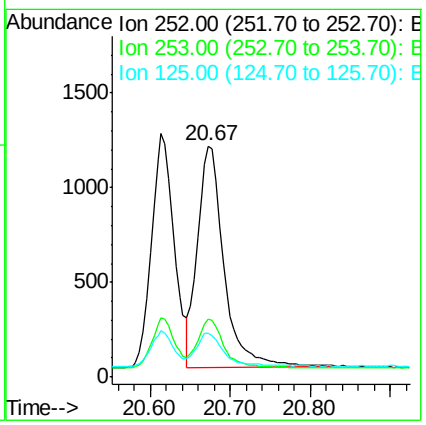


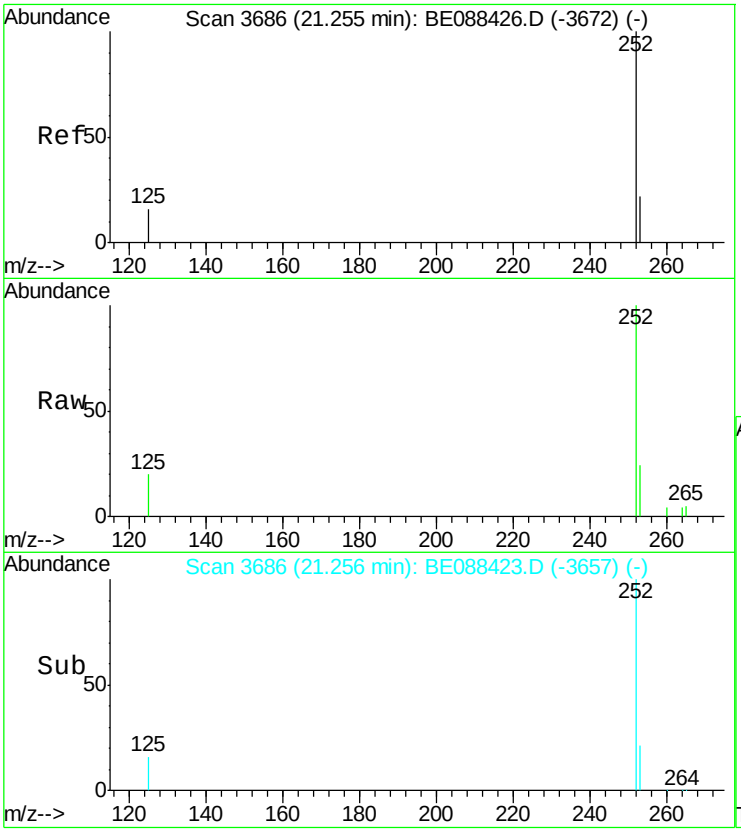


#24
Benzo(k)fluoranthene
Concen: 0.21 ng
RT: 20.67 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:252 Resp: 2683

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.8
125	19.1	12.2	18.4#

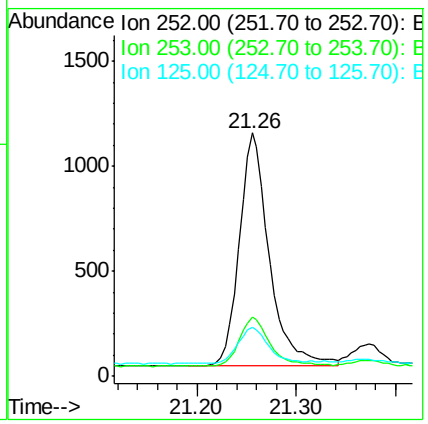




#25
Benzo(a)pyrene
Concen: 0.21 ng
RT: 21.26 min Scan# 3686
Delta R.T. 0.00 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:252 Resp: 2341

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.4
125	20.3	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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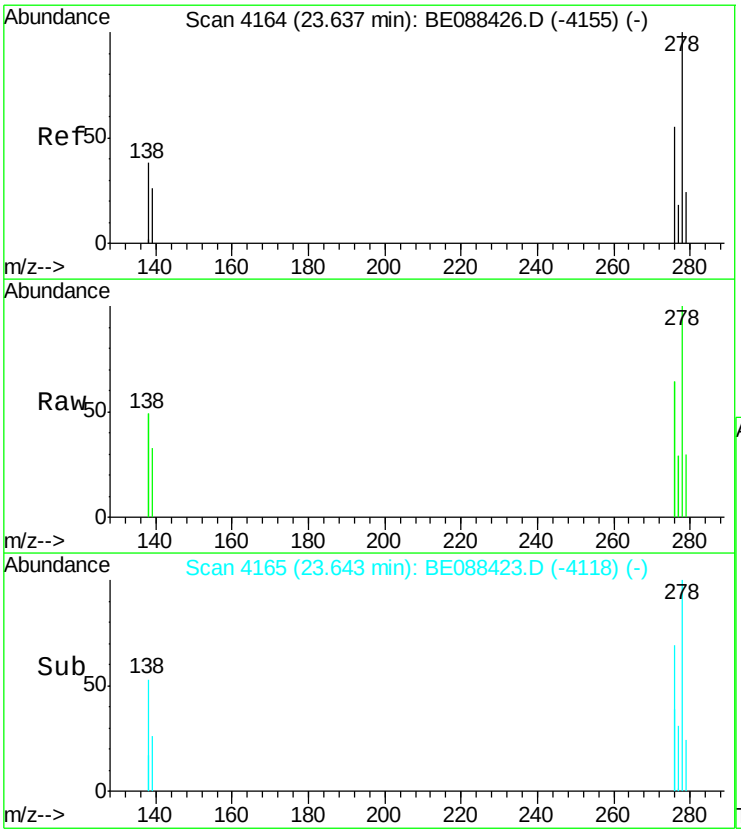
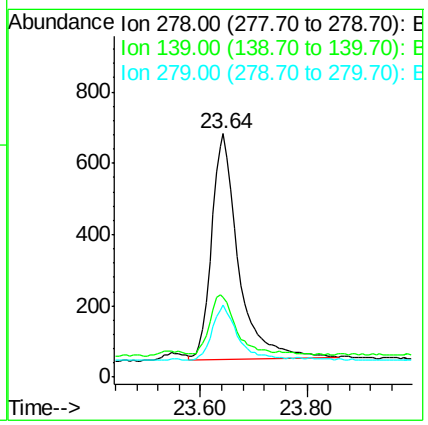
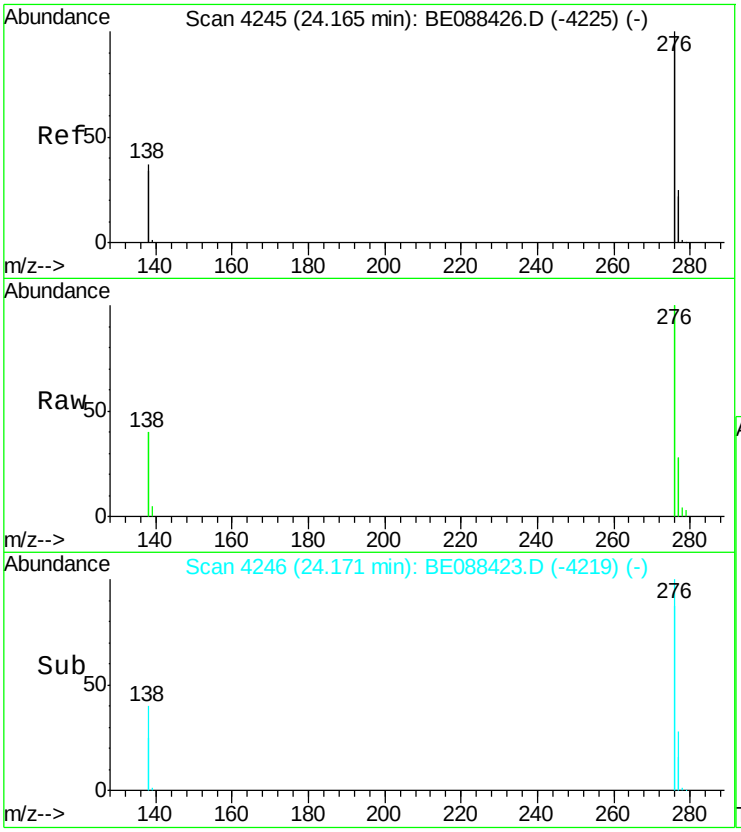


#26
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 23.64 min Scan# 4165
Delta R.T. 0.01 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:278 Resp: 2194

Ion	Ratio	Lower	Upper
278	100		
139	32.7	22.1	33.1
279	29.6	19.7	29.5#

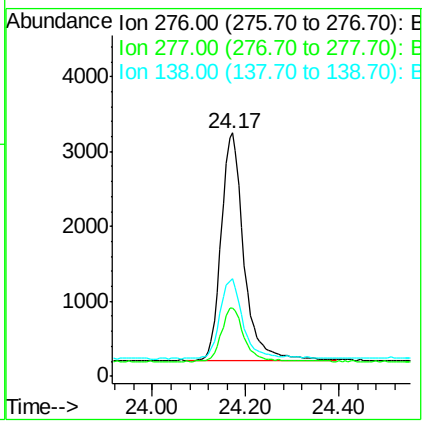




#27
Benzo(g,h,i)perylene
Concen: 0.22 ng
RT: 24.17 min Scan# 4246
Delta R.T. 0.01 min
Lab File: BE088423.D
Acq: 31 Oct 2014 15:19

Tgt Ion:276 Resp: 10259

Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.8	29.6
138	39.9	29.3	43.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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