Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088209.D
Acq On : 24 Oct 2014 13:13
Operator : TP/JJ
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
mohammad
10/28/2014 12:22:08 PM

Quant Time: Oct 27 12:47:20 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 12:38:23 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	57213	5.00	ng		0.00
3) Naphthalene-d8	8.68	136	216086	5.00	ng		0.00
7) Acenaphthene-d10	10.81	164	95205	5.00	ng		0.00
12) Phenanthrene-d10	12.93	188	174050	5.00	ng		0.00
16) Chrysene-d12	18.35	240	101436	5.00	ng		0.00
22) Perylene-d12	21.40	264	90834	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.80	82	2168	0.16	ng		0.00
8) 2-Fluorobiphenyl	10.01	172	5578	0.21	ng		0.00
18) Terphenyl-d14	16.11	244	3022	0.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.40	88	1641	0.20	ng	#	85
5) Naphthalene	8.70	128	9166	0.21	ng		99
6) 2-Methylnaphthalene	9.55	142	5292	0.20	ng		99
9) Acenaphthylene	10.64	152	29042	0.20	ng		98
10) Acenaphthene	10.86	154	4908	0.22	ng		94
11) Fluorene	11.52	166	4669	0.20	ng		100
13) Phenanthrene	12.97	178	36007	0.25	ng	#	88
14) Anthracene	13.06	178	23886	0.19	ng		97
15) Fluoranthene	15.21	202	4589	0.18	ng		99
17) Pyrene	15.67	202	5067	0.18	ng		100
19) Benzo(a)anthracene	18.33	228	14564	0.18	ng		97
20) Chrysene	18.40	228	17985	0.20	ng		96
21) Indeno(1,2,3-cd)pyrene	23.57	276	10351m	0.13	ng		
23) Benzo(b)fluoranthene	20.64	252	2022	0.14	ng	#	93
24) Benzo(k)fluoranthene	20.70	252	4441	0.19	ng	#	93
25) Benzo(a)pyrene	21.28	252	2071	0.14	ng	#	90
26) Dibenzo(a,h)anthracene	23.67	278	2095	0.15	ng	#	83
27) Benzo(g,h,i)perylene	24.20	276	12723	0.17	ng	#	91

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

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Misc :
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BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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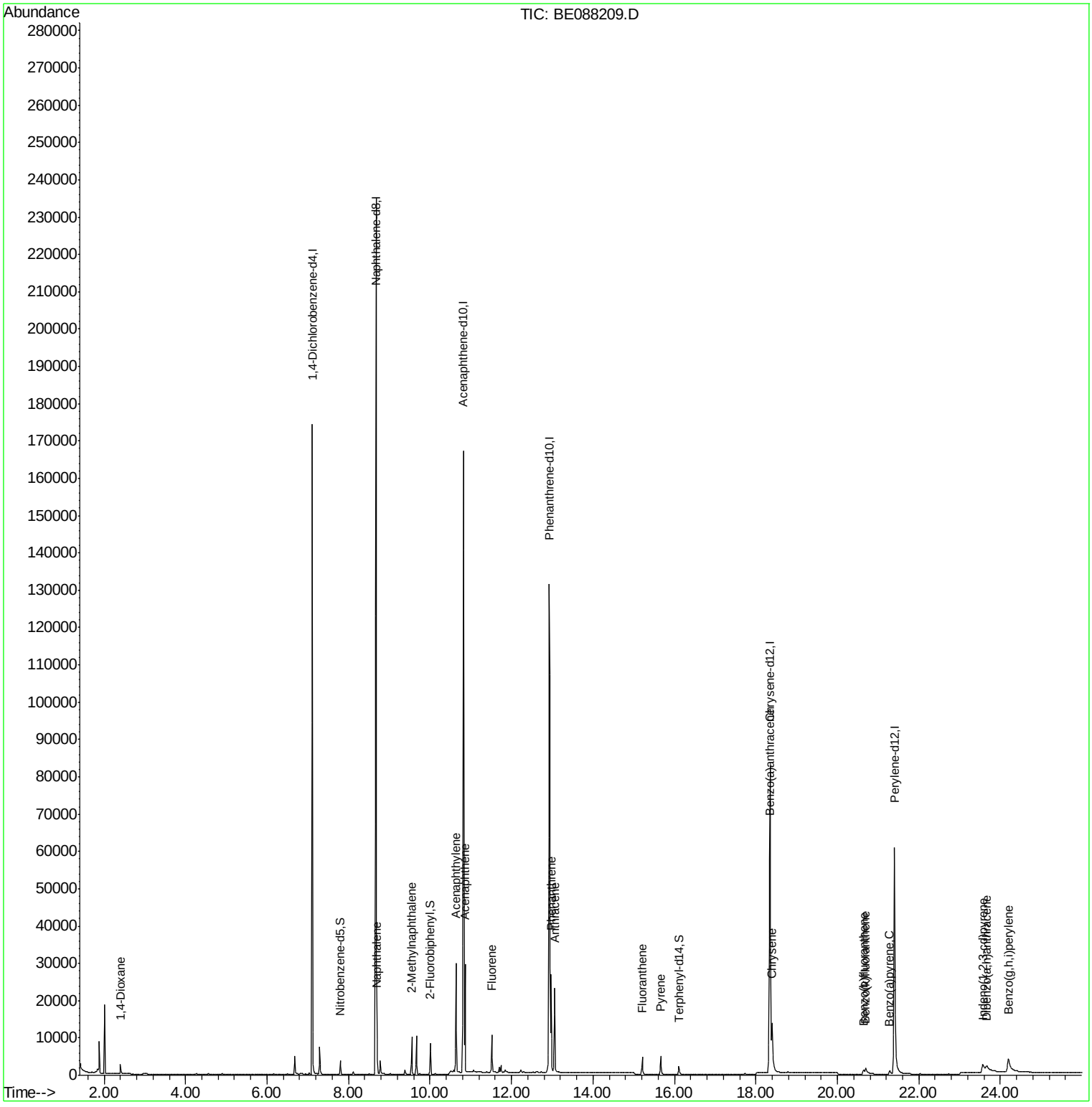
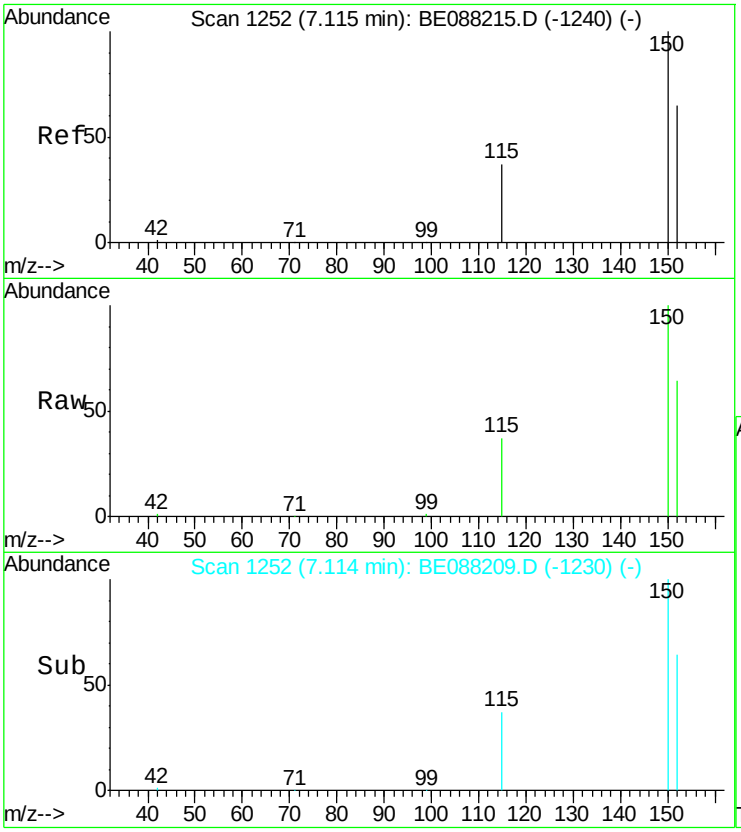
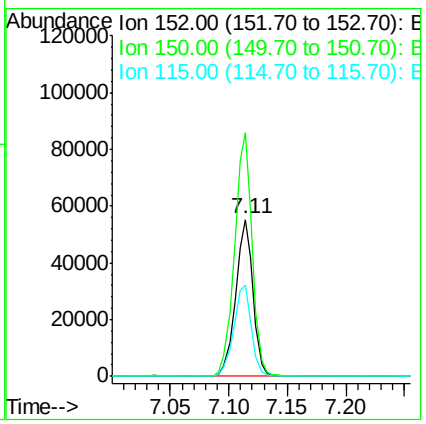




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:152 Resp: 57213

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.2	184.8
115	58.1	45.3	67.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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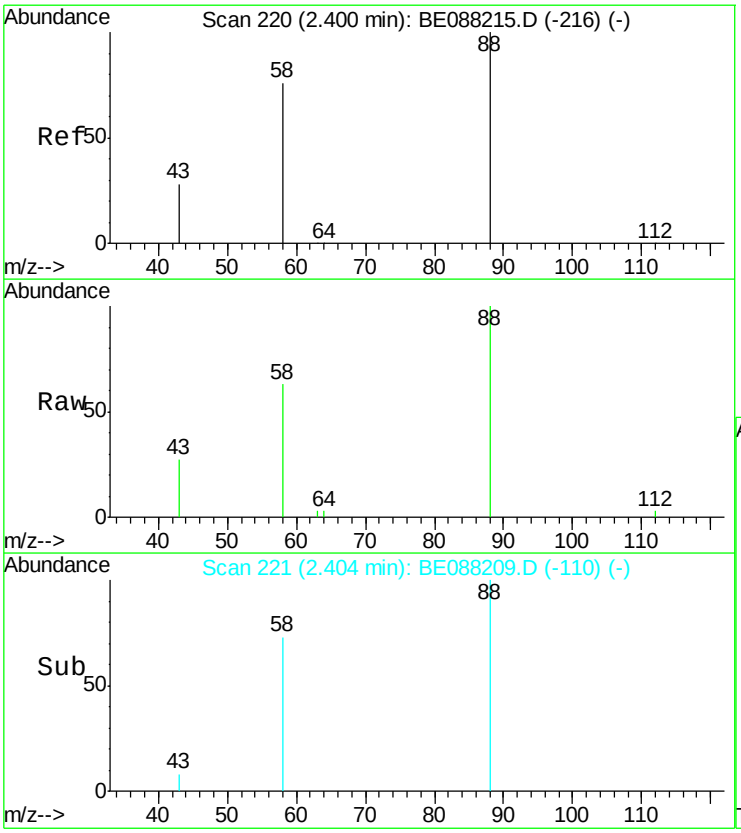
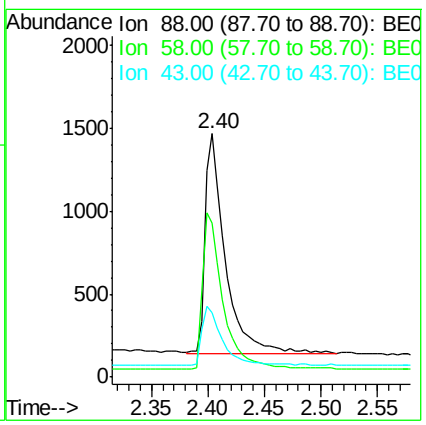
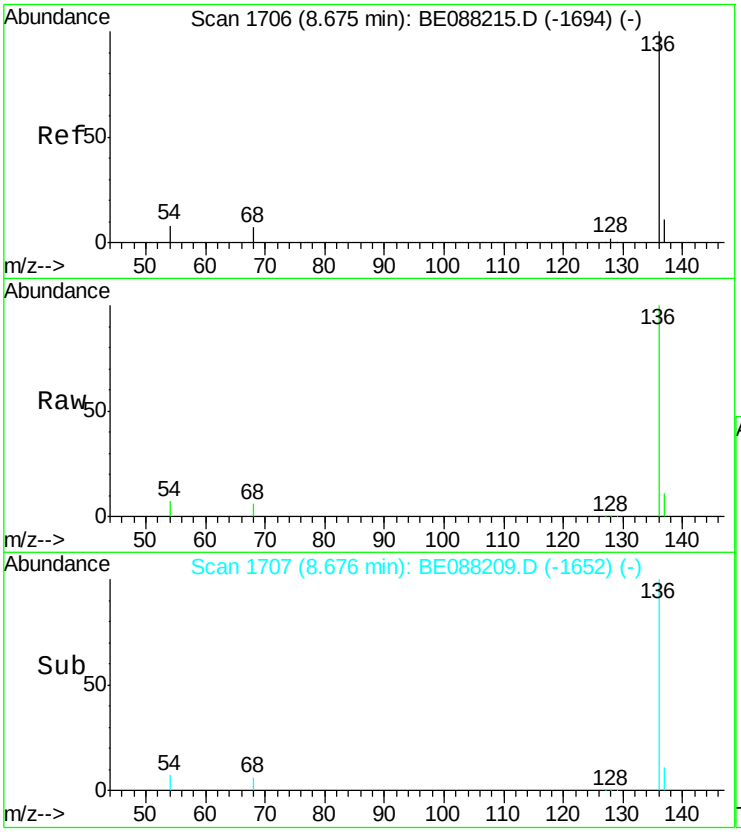


#2
1,4-Dioxane
Concen: 0.20 ng
RT: 2.40 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion: 88 Resp: 1641

Ion	Ratio	Lower	Upper
88	100		
58	73.1	59.0	88.4
43	0.0	21.9	32.9#

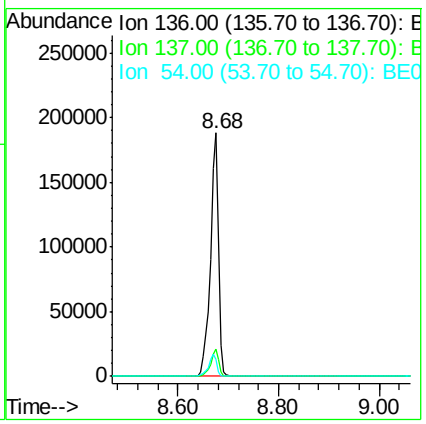




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:136 Resp: 216086

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.8	6.1	9.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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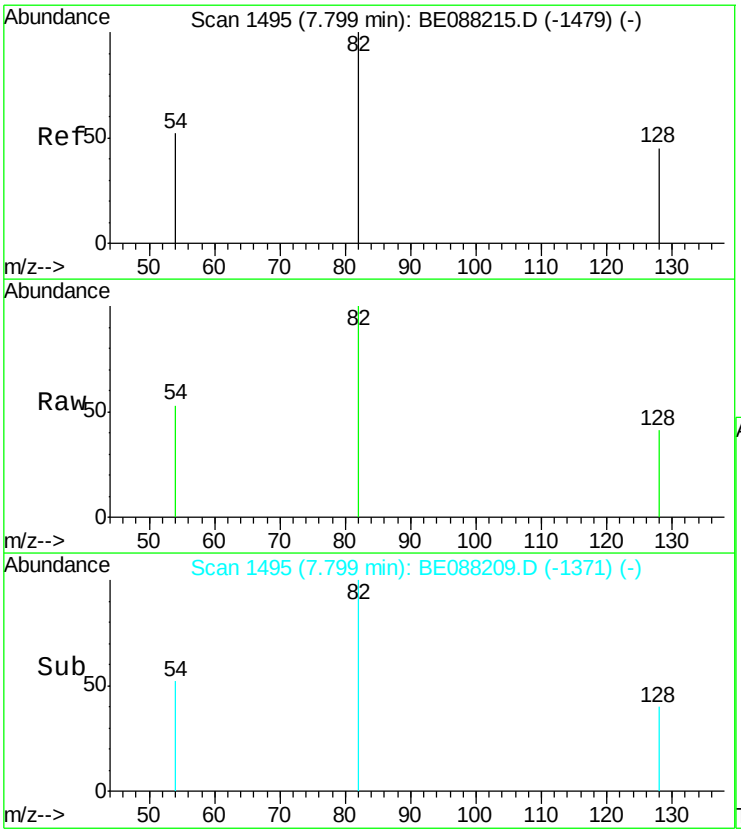
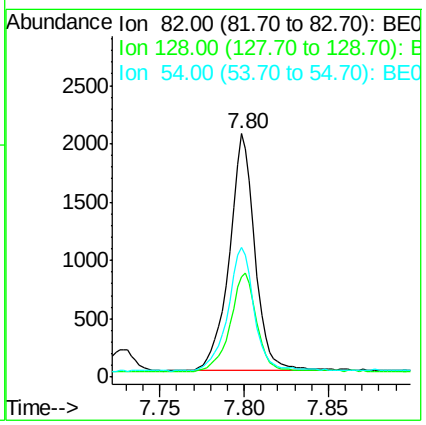
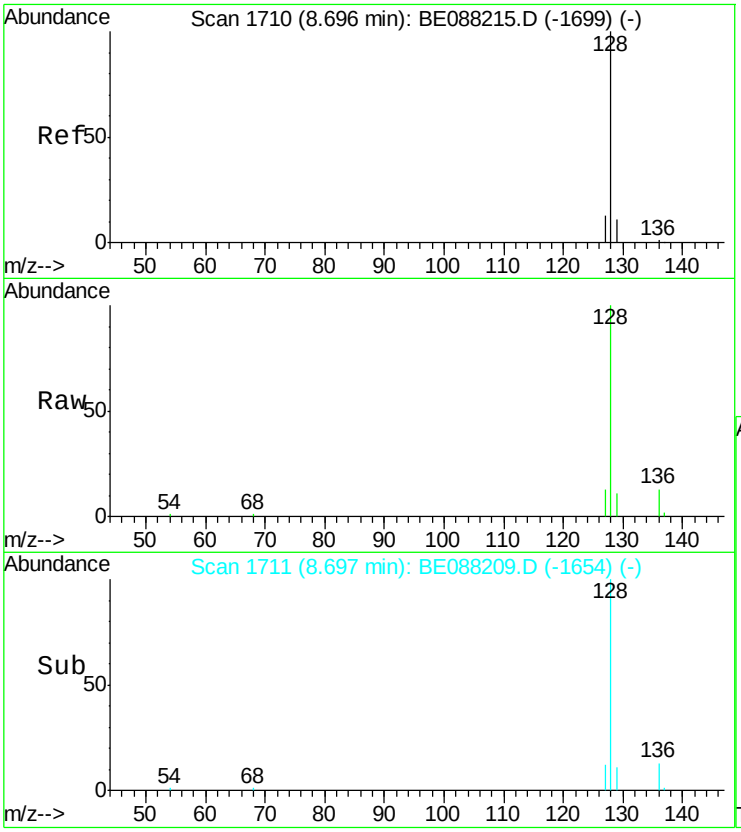


#4
Nitrobenzene-d5
Concen: 0.16 ng
RT: 7.80 min Scan# 1495
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion: 82 Resp: 2168

Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.2	54.2
54	53.1	41.8	62.8

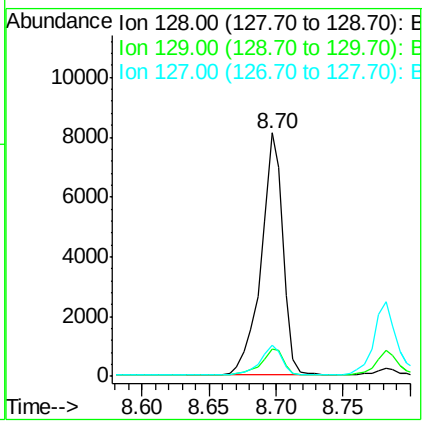




#5
Naphthalene
Concen: 0.21 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:128 Resp: 9166

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	12.8	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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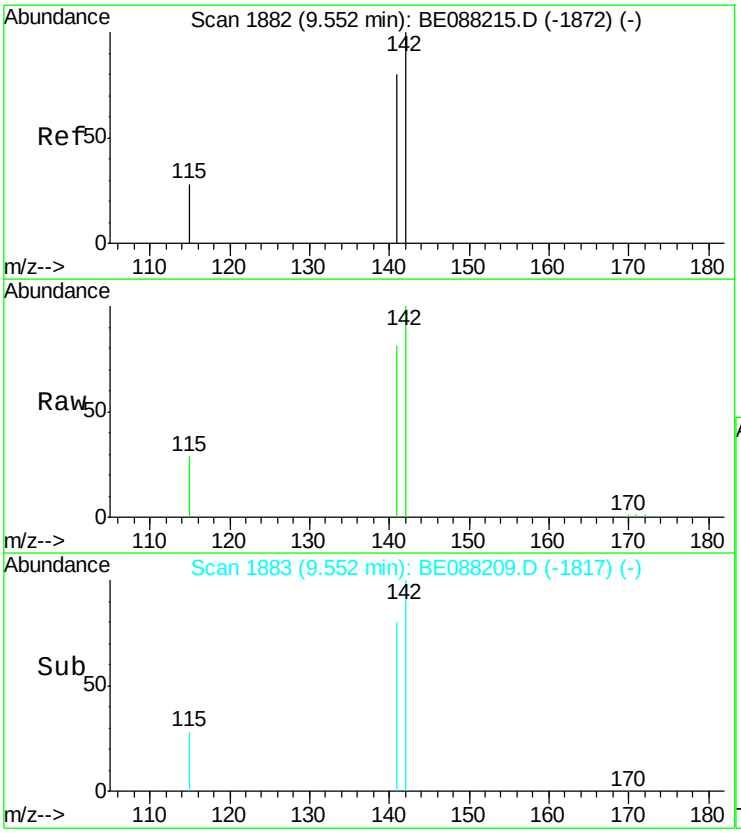
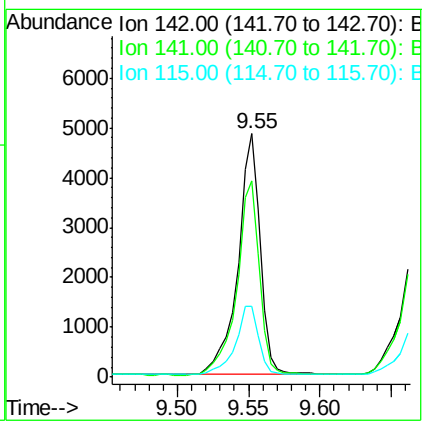
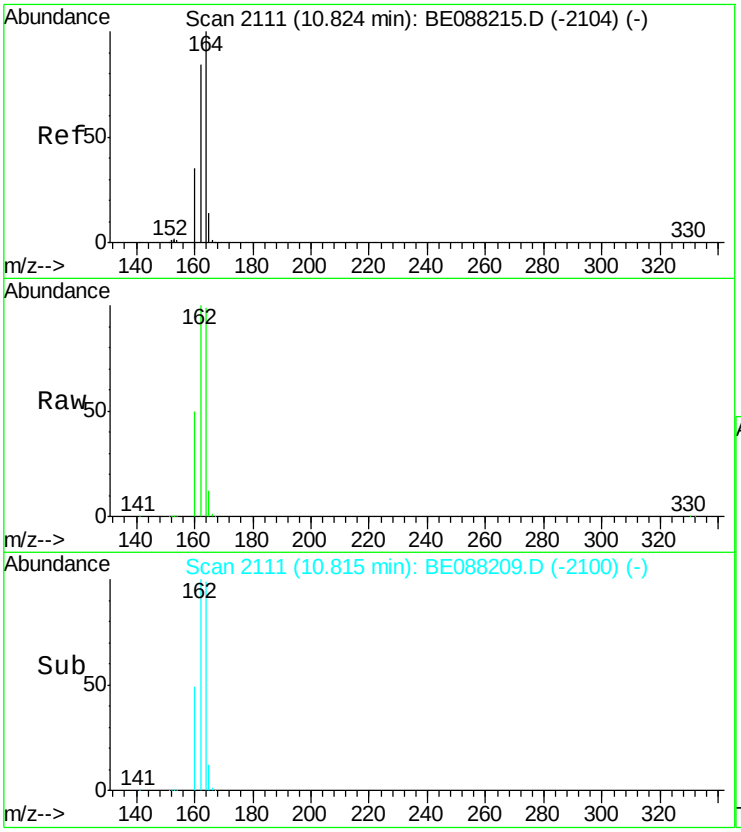


#6
2-Methylnaphthalene
Concen: 0.20 ng
RT: 9.55 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:142 Resp: 5292

Ion	Ratio	Lower	Upper
142	100		
141	80.6	63.7	95.5
115	29.0	22.6	34.0





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.81 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:164 Resp: 95205

Ion	Ratio	Lower	Upper
164	100		
162	100.7	67.4	101.0
160	49.9	27.7	41.5#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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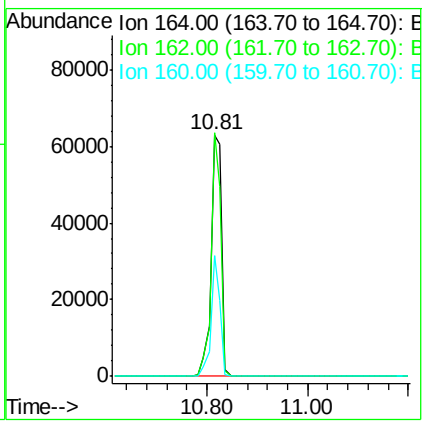
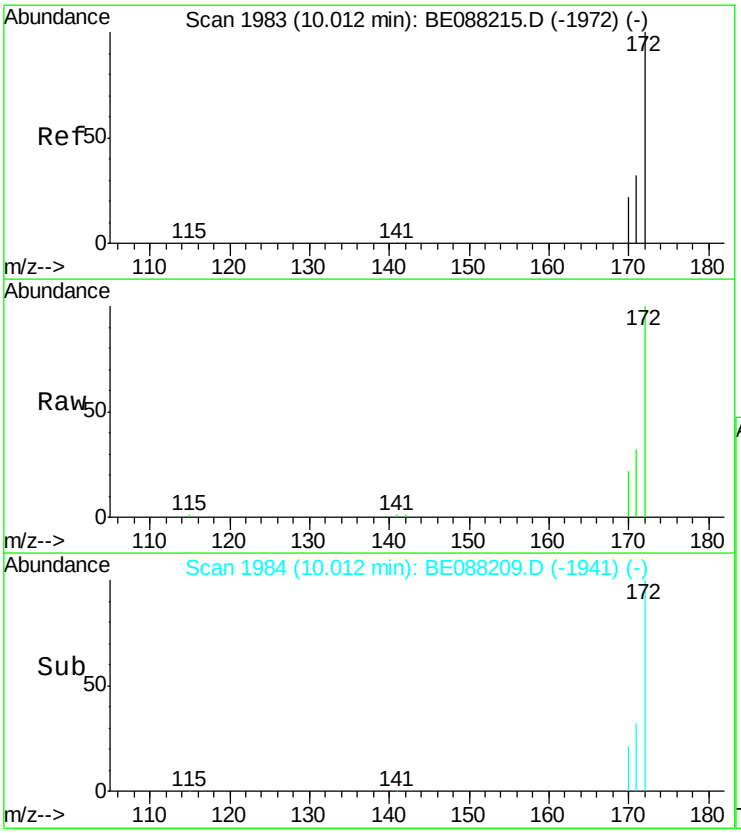
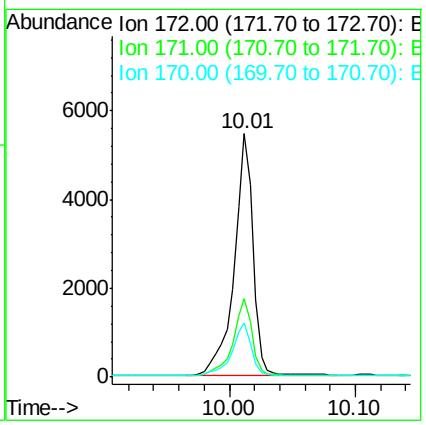


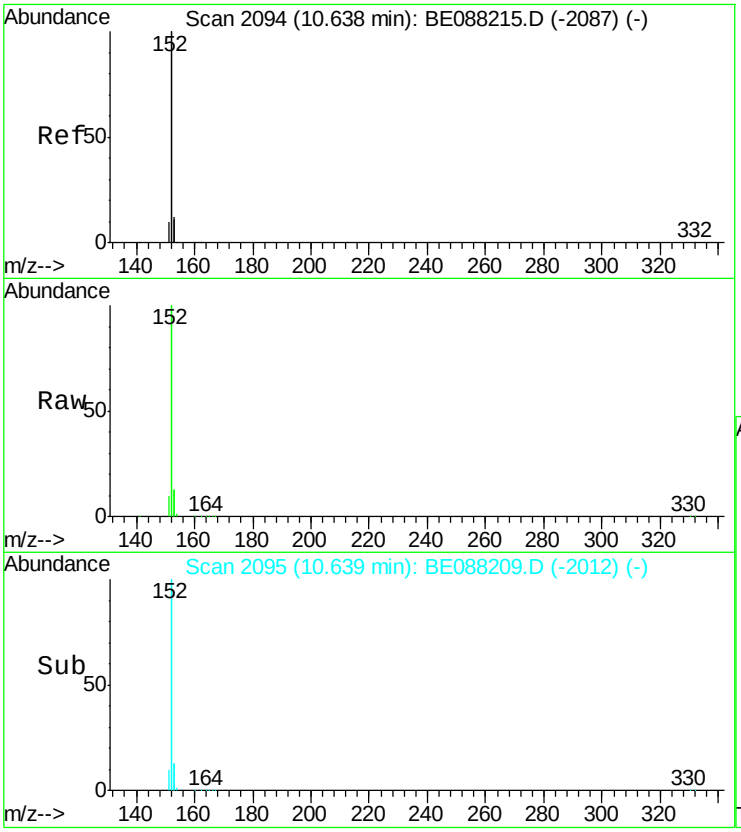


#8
2-Fluorobiphenyl
Concen: 0.21 ng
RT: 10.01 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:172 Resp: 5578

Ion	Ratio	Lower	Upper
172	100		
171	32.3	25.8	38.6
170	22.1	17.4	26.0





#9
Acenaphthylene
Concen: 0.20 ng
RT: 10.64 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:152 Resp: 29042

Ion	Ratio	Lower	Upper
152	100		
151	4.5	3.7	5.5
153	13.7	10.3	15.5

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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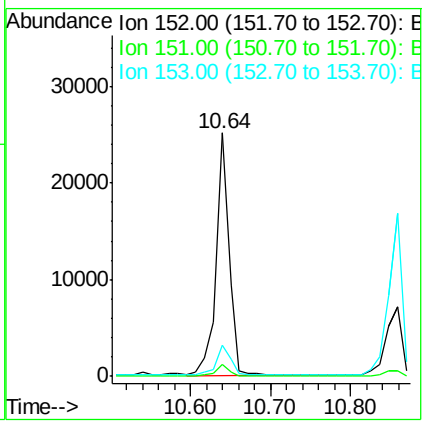
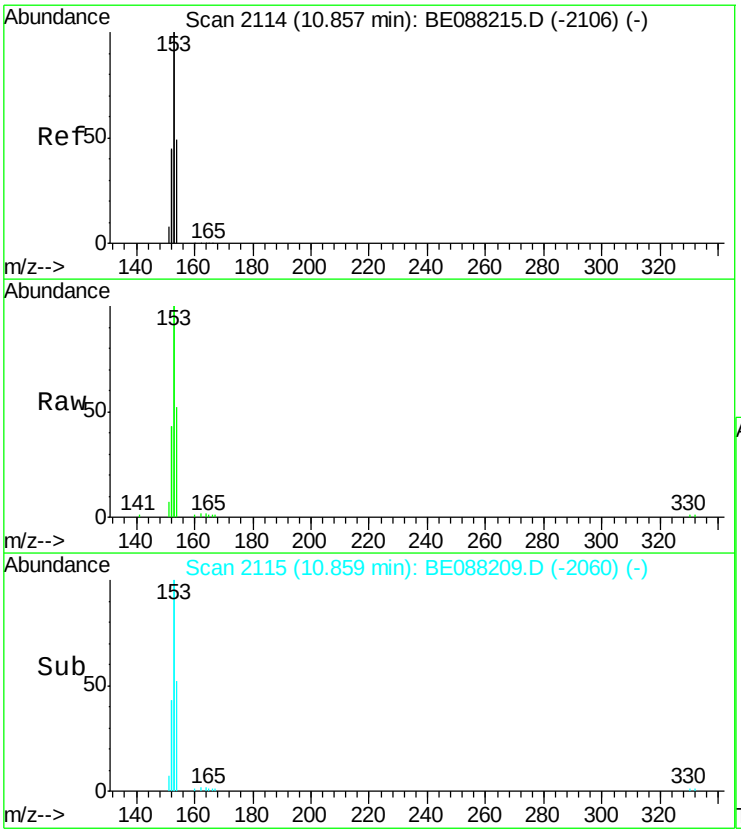
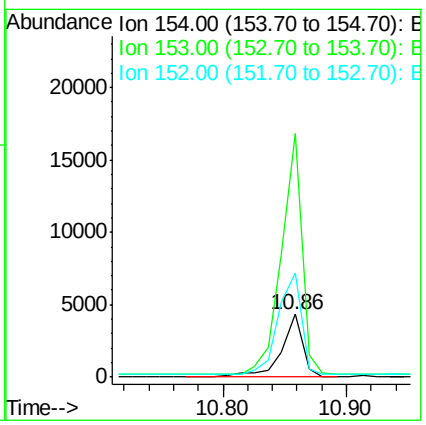


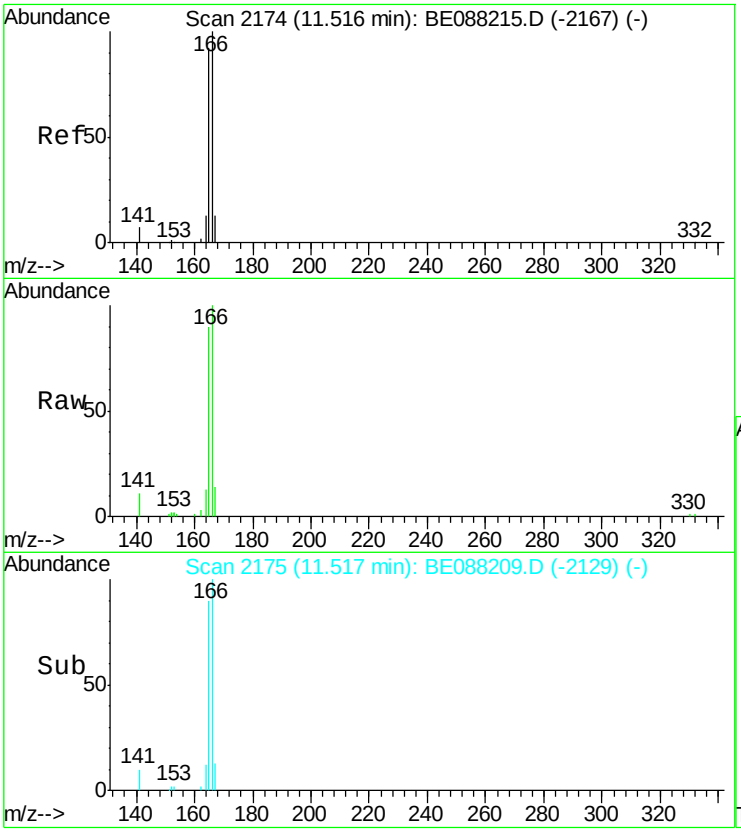


#10
Acenaphthene
Concen: 0.22 ng
RT: 10.86 min Scan# 2115
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:154 Resp: 4908

Ion	Ratio	Lower	Upper
154	100		
153	387.4	326.0	489.0
152	193.3	155.6	233.4

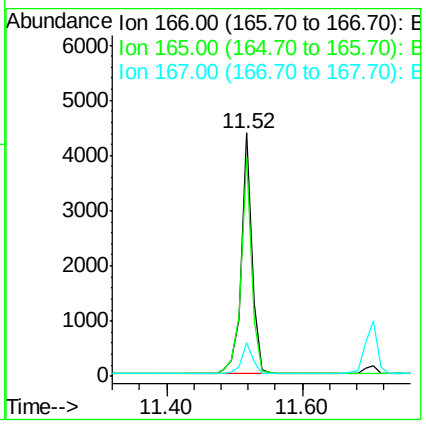




#11
Fluorene
Concen: 0.20 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:166 Resp: 4669

Ion	Ratio	Lower	Upper
166	100		
165	89.6	71.8	107.6
167	13.6	10.7	16.1



Instrument :
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ClientSampleId :
SSTDICC0.2

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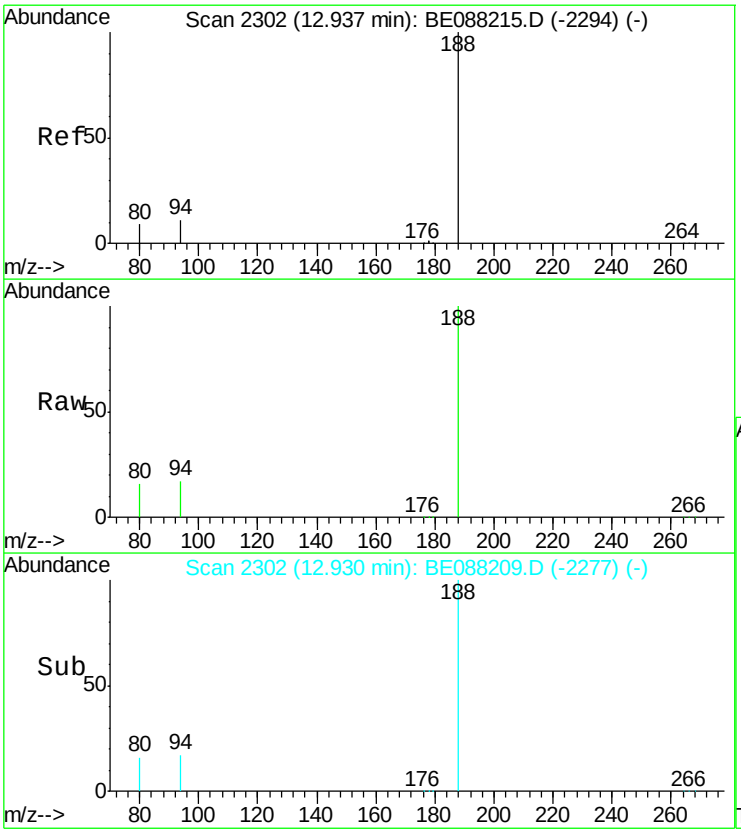
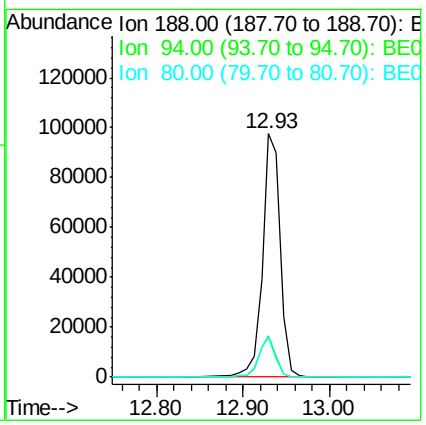
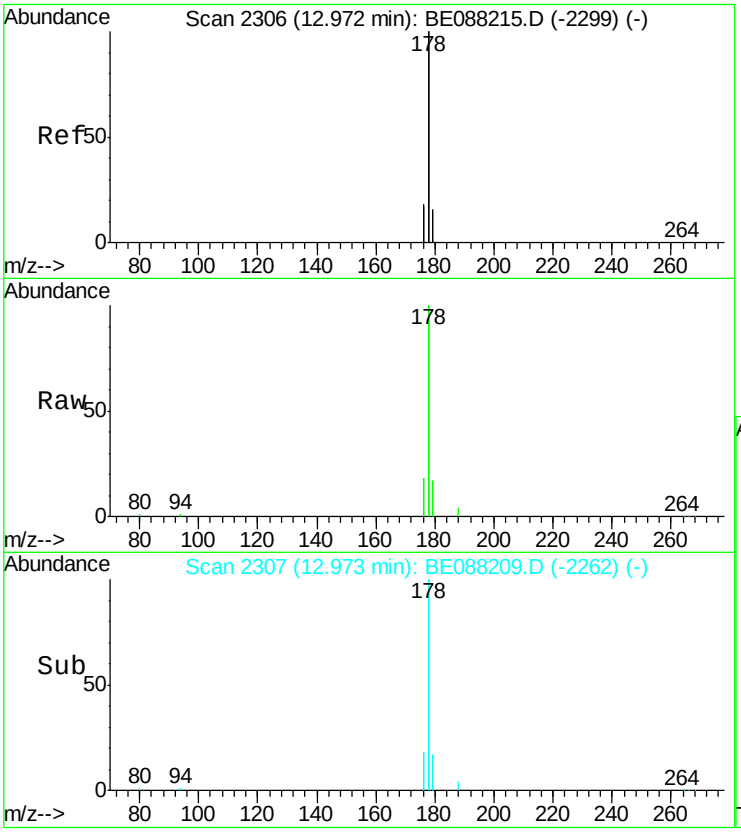


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.93 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:188 Resp: 174050

Ion	Ratio	Lower	Upper
188	100		
94	17.2	8.5	12.7#
80	16.3	7.4	11.0#





#13
Phenanthrene
Concen: 0.25 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:178 Resp: 36007

Ion	Ratio	Lower	Upper
178	100		
176	22.3	14.0	21.0#
179	20.5	11.8	17.6#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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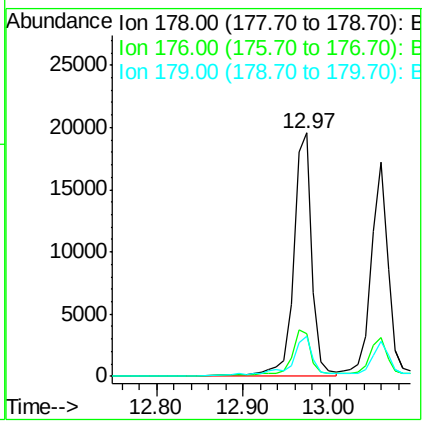
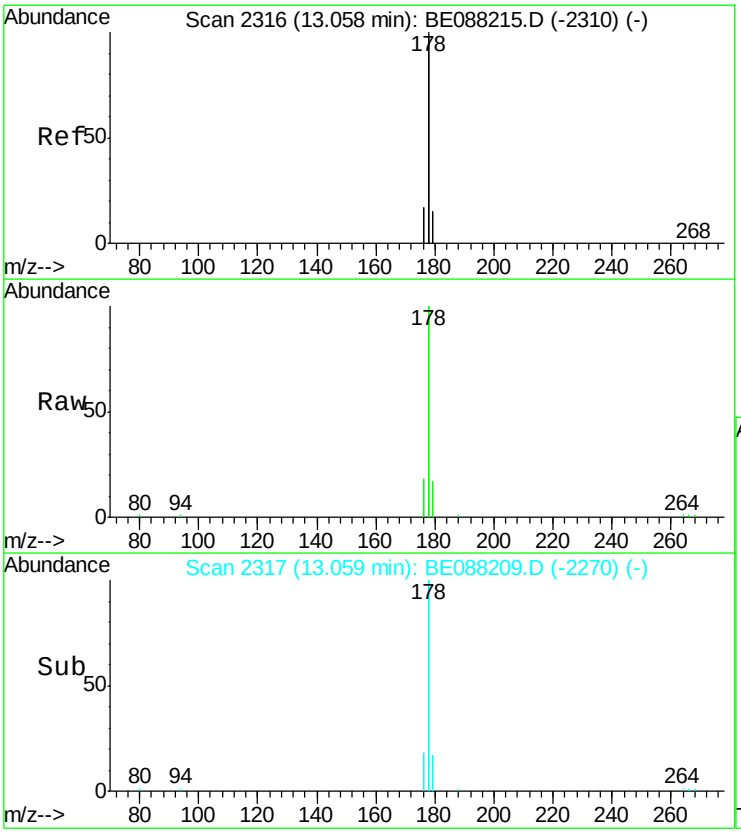
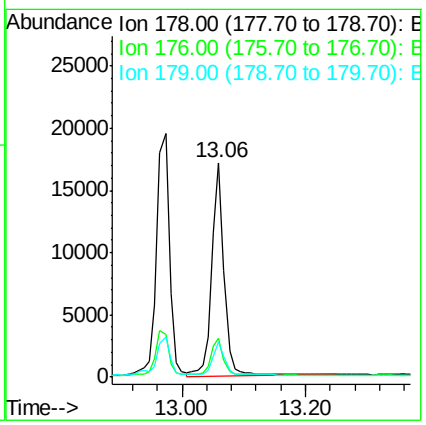


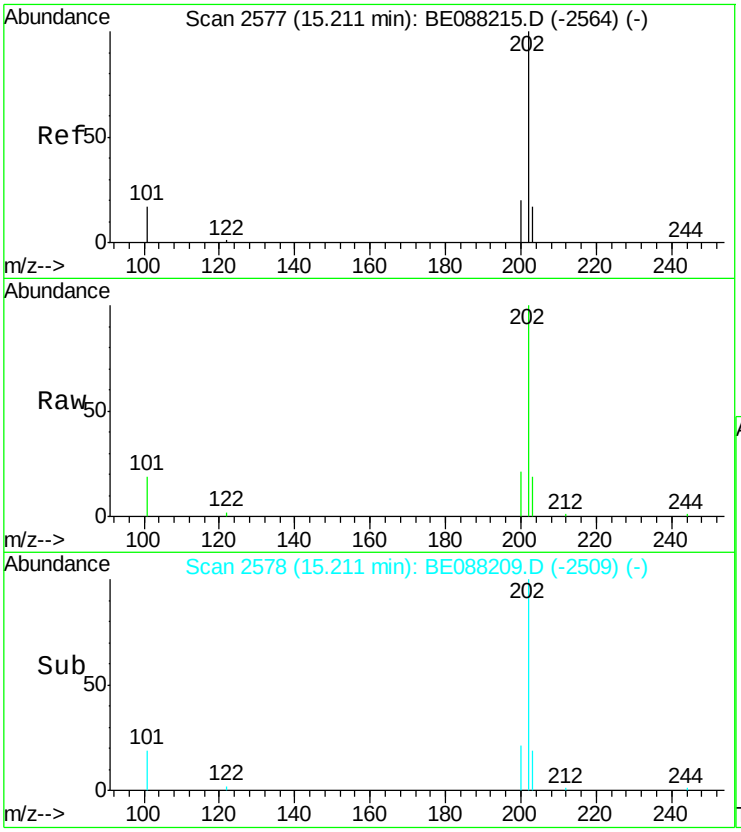


#14
Anthracene
Concen: 0.19 ng
RT: 13.06 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:178 Resp: 23886

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	18.1	12.3	18.5

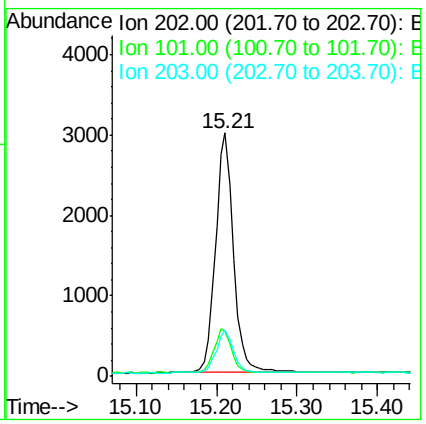




#15
Fluoranthene
Concen: 0.18 ng
RT: 15.21 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:202 Resp: 4589

Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.4	21.6
203	17.1	13.4	20.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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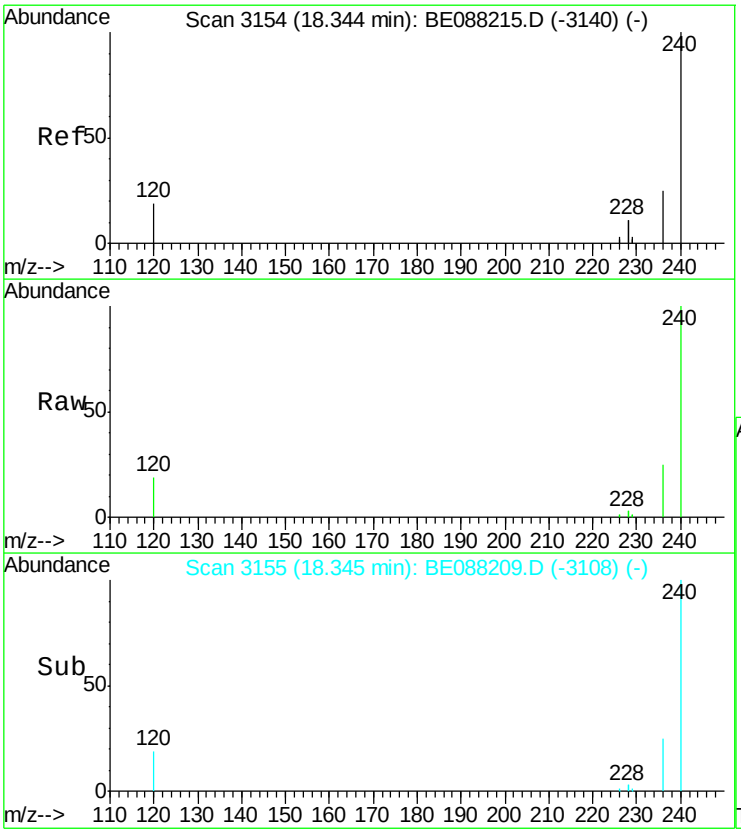
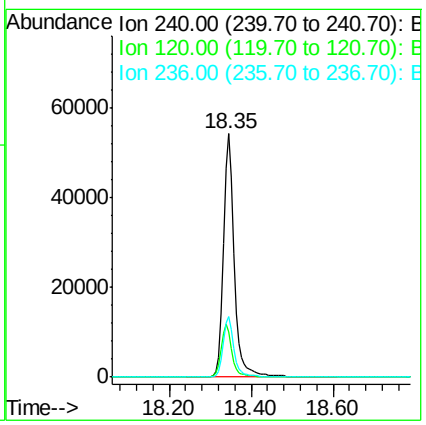
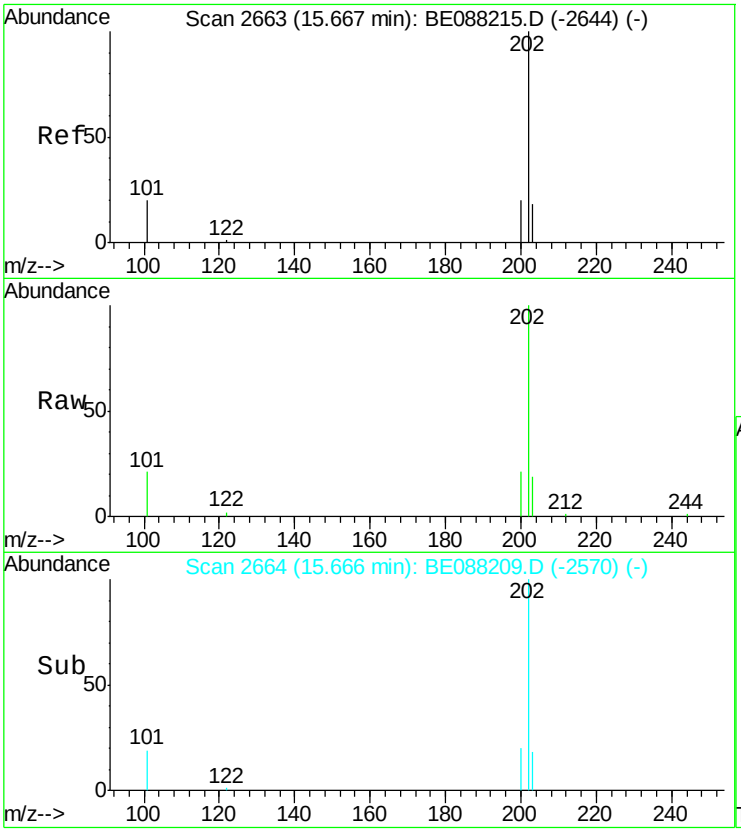


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.35 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:240 Resp: 101436

Ion	Ratio	Lower	Upper
240	100		
120	18.7	15.1	22.7
236	25.0	20.1	30.1

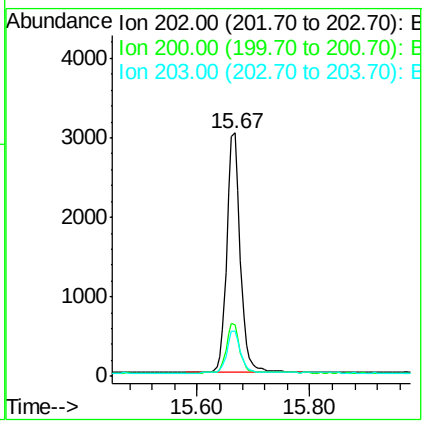




#17
Pyrene
Concen: 0.18 ng
RT: 15.67 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:202 Resp: 5067

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.3	13.8	20.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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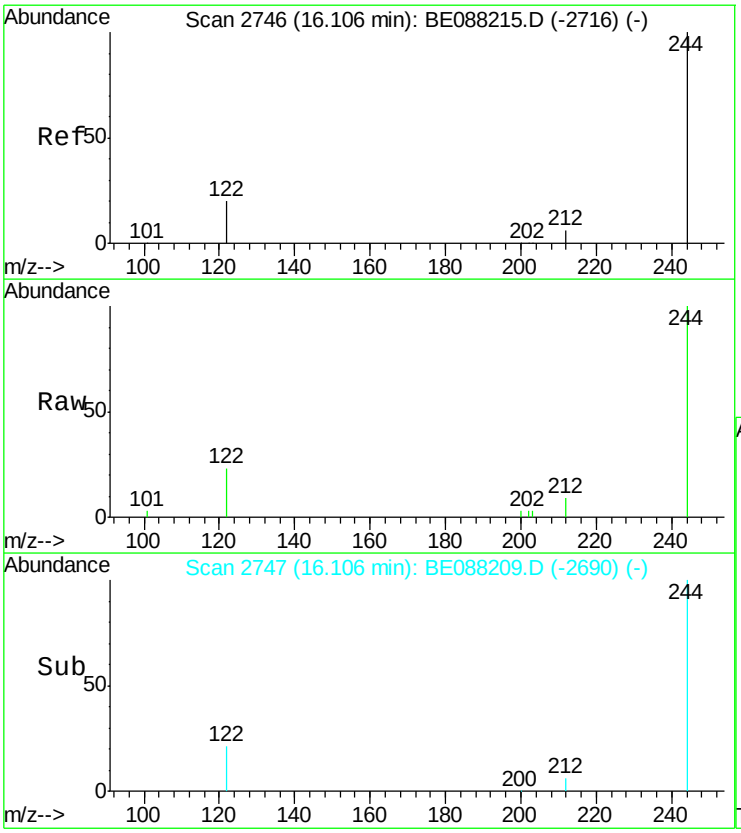
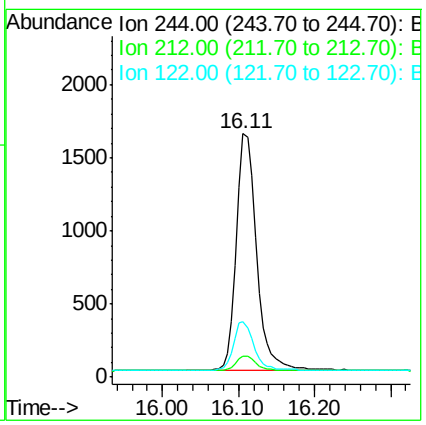
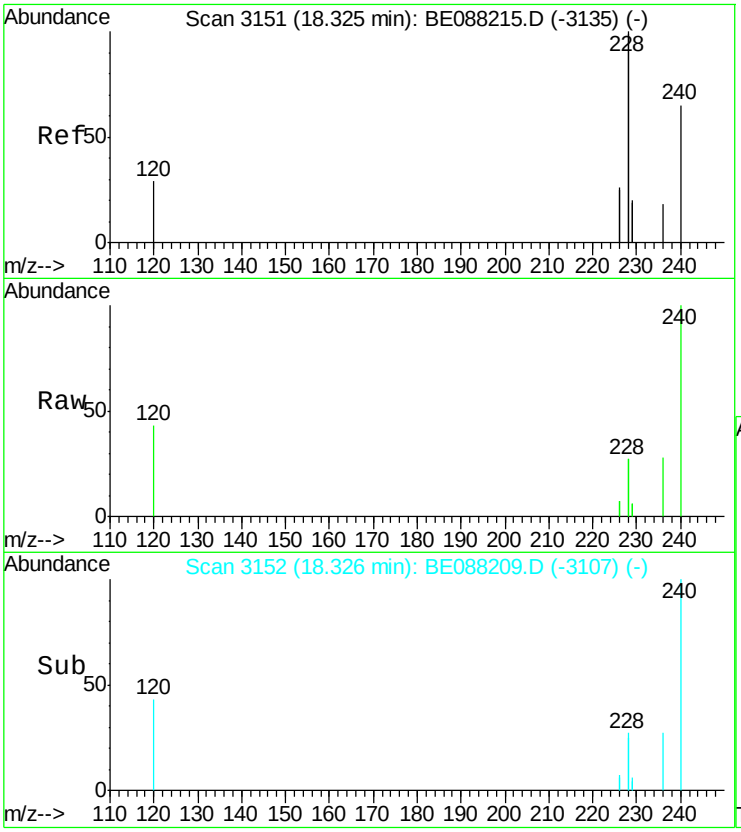


#18
Terphenyl-d14
Concen: 0.18 ng
RT: 16.11 min Scan# 2747
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:244 Resp: 3022

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.4	8.2#
122	22.9	16.7	25.1

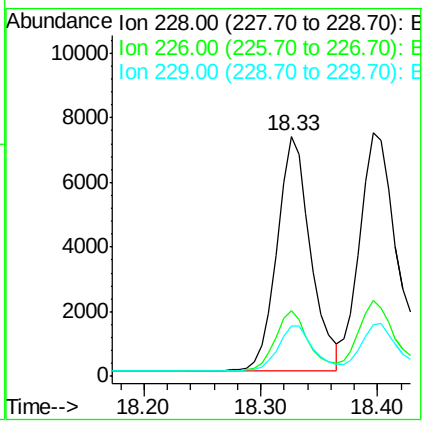




#19
Benzo(a)anthracene
Concen: 0.18 ng
RT: 18.33 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:228 Resp: 14564

Ion	Ratio	Lower	Upper
228	100		
226	27.3	20.5	30.7
229	20.9	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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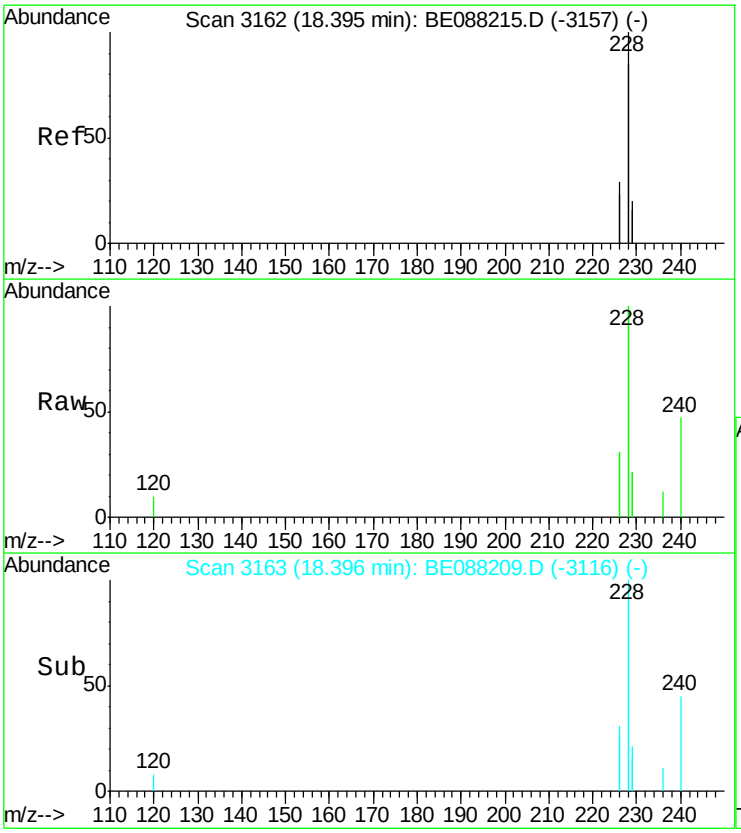
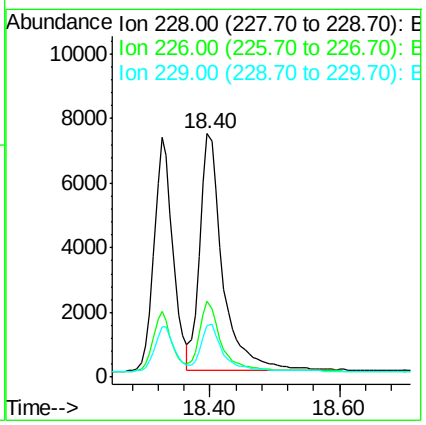
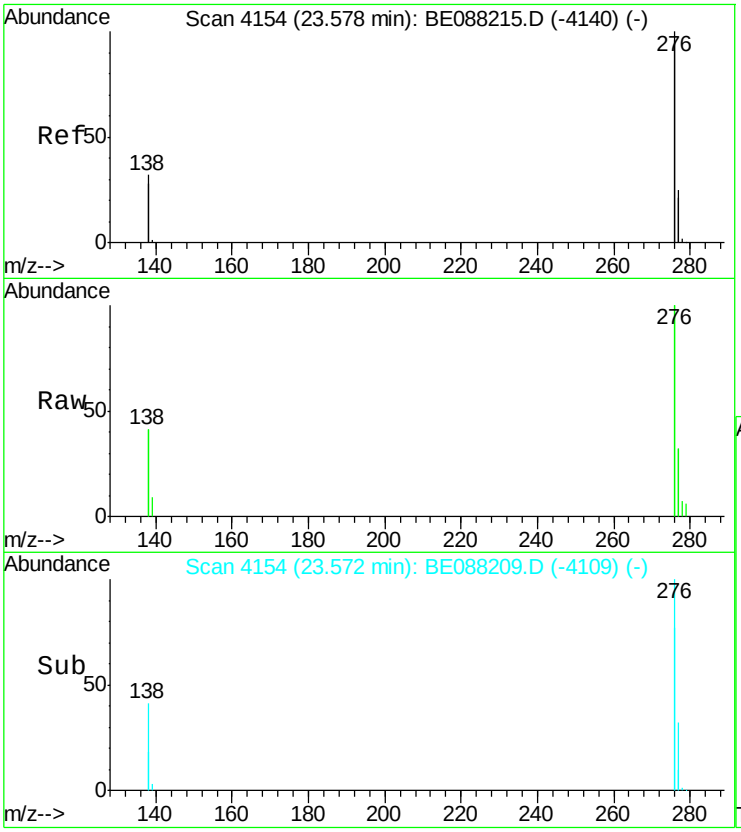


#20
Chrysene
Concen: 0.20 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:228 Resp: 17985

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.3	34.9
229	21.1	15.6	23.4

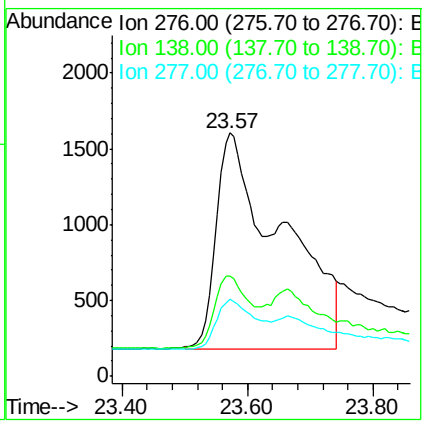




#21
Indeno(1,2,3-cd)pyrene
Concen: 0.13 ng m
RT: 23.57 min Scan# 4154
Delta R.T. -0.01 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:276 Resp: 10351

Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.9	20.9
277	14.1	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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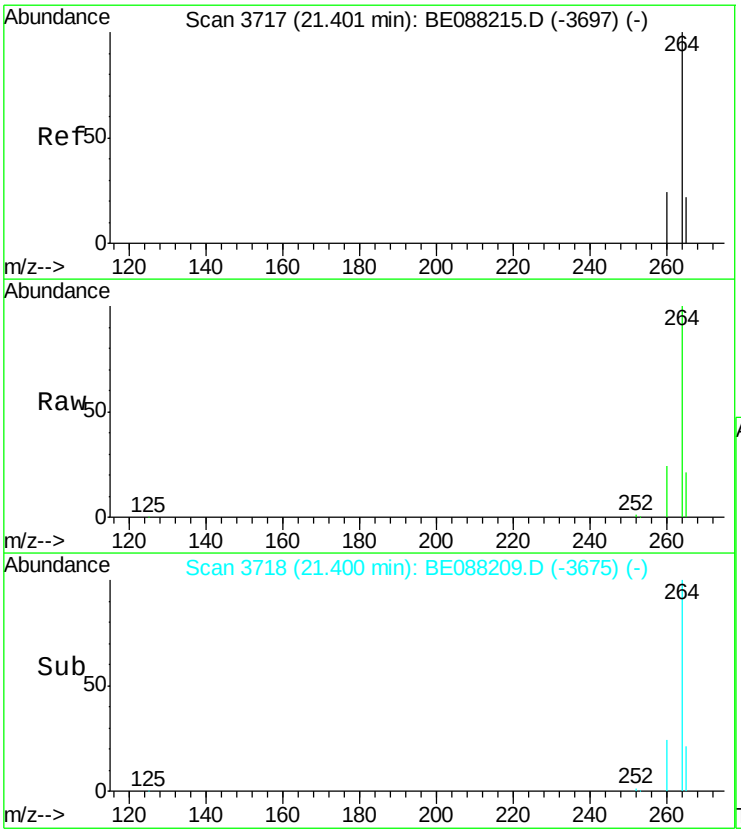
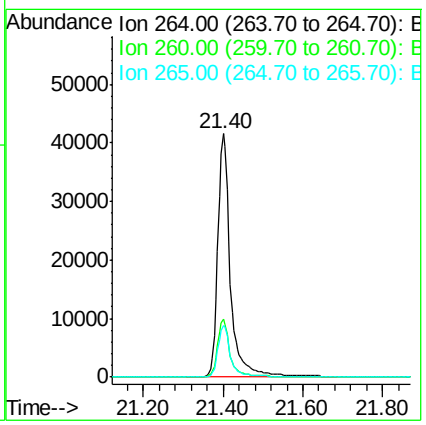
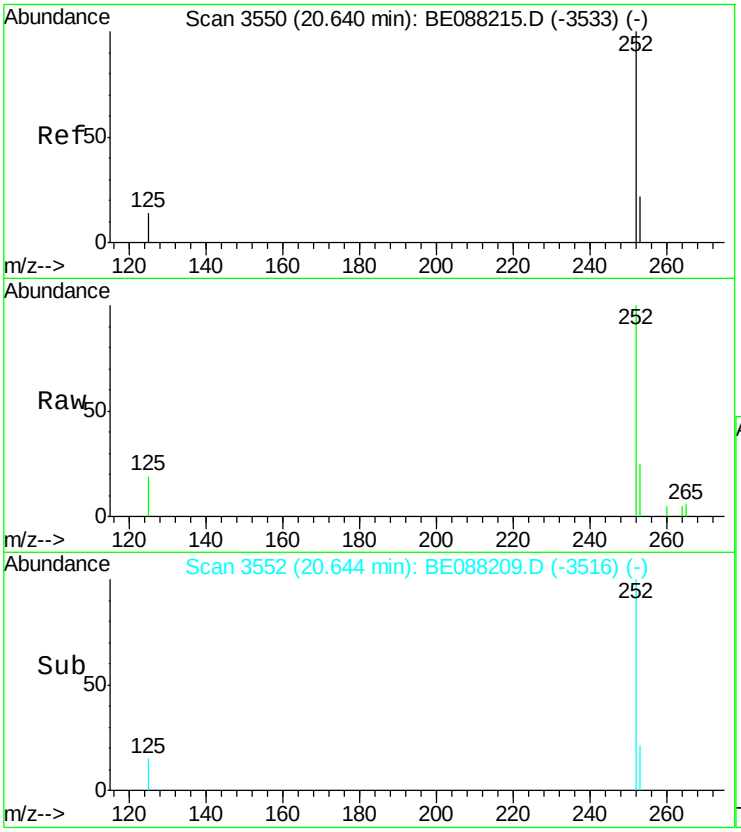


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:264 Resp: 90834

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.4	17.4	26.2





#23
Benzo(b)fluoranthene
Concen: 0.14 ng
RT: 20.64 min Scan# 3552
Delta R.T. 0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:252 Resp: 2022

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	19.1	12.2	18.2#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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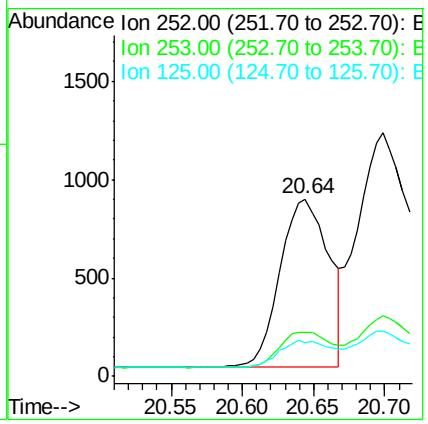
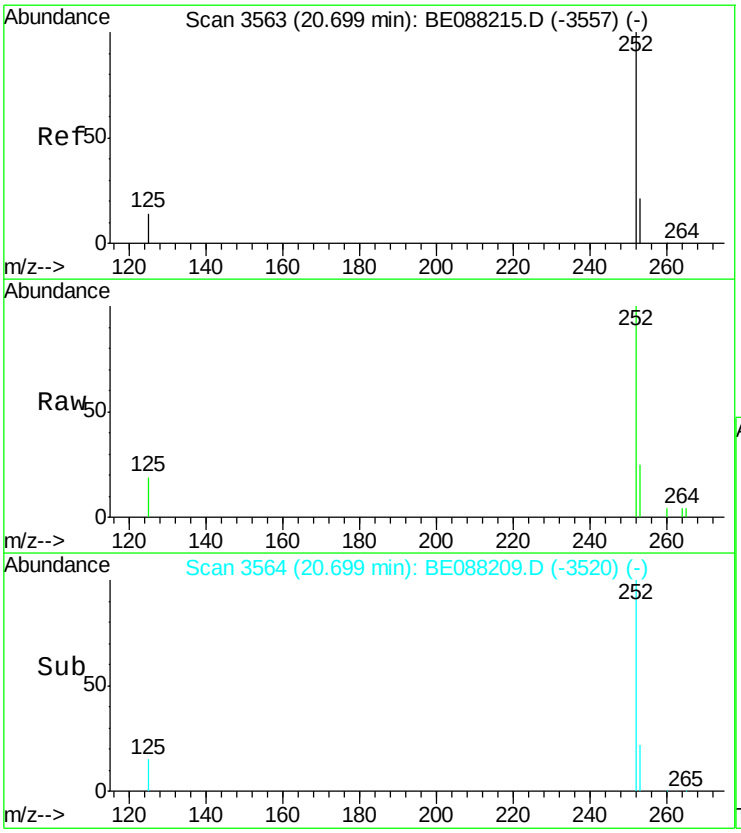
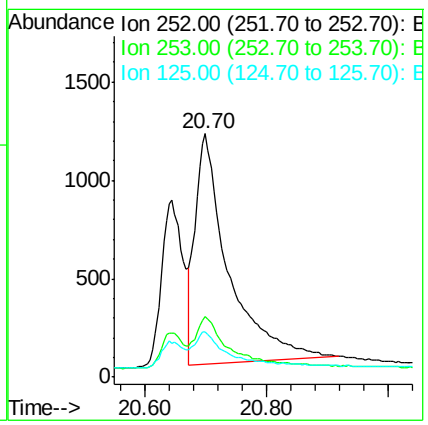


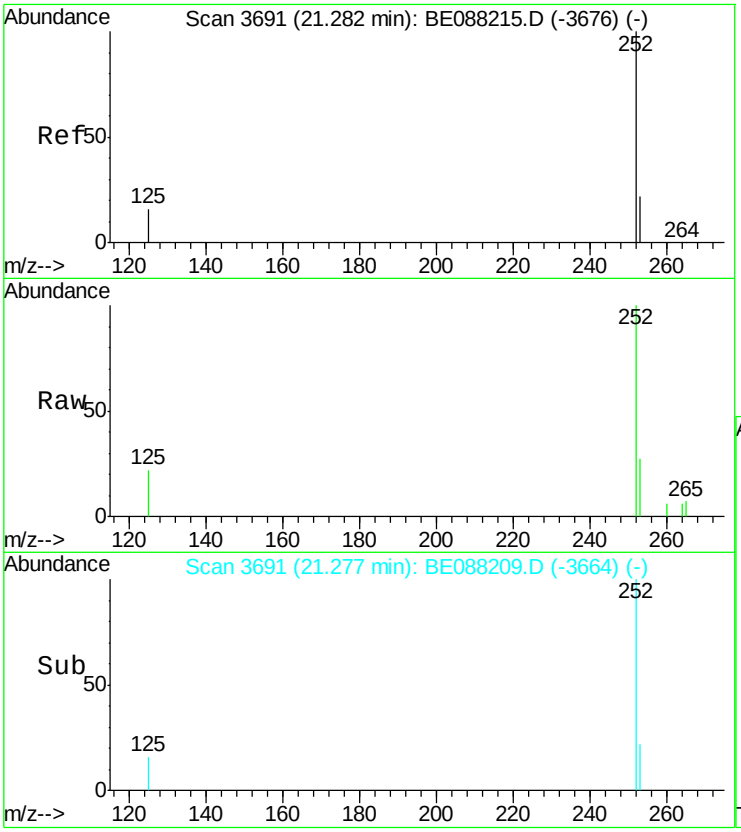


#24
Benzo(k)fluoranthene
Concen: 0.19 ng
RT: 20.70 min Scan# 3564
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:252 Resp: 4441

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	18.6	12.1	18.1#





#25
Benzo(a)pyrene
Concen: 0.14 ng
RT: 21.28 min Scan# 3691
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:252 Resp: 2071

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.8	26.8
125	22.0	13.5	20.3#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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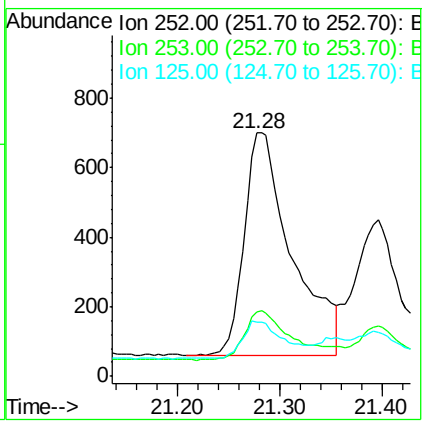
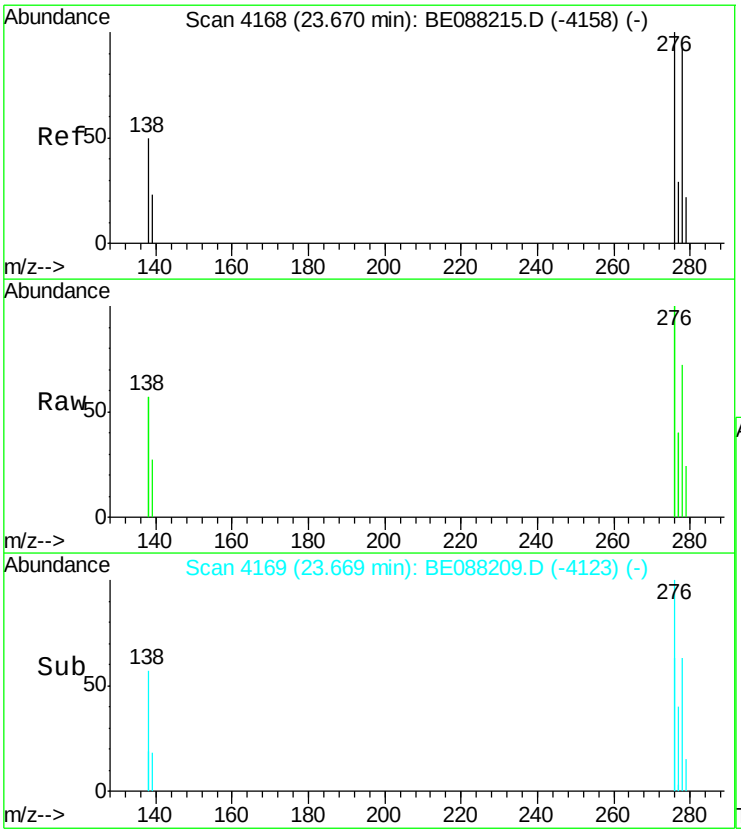
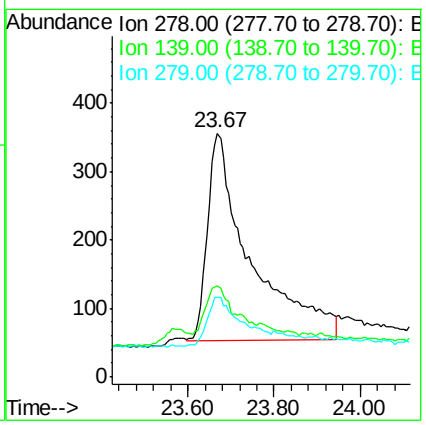


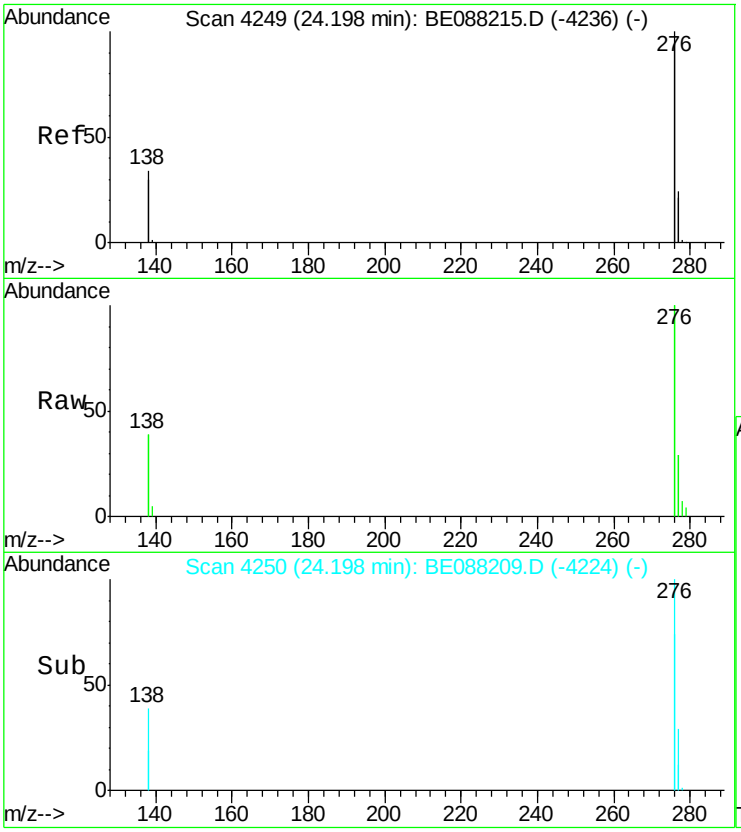


#26
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 23.67 min Scan# 4169
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:278 Resp: 2095

Ion	Ratio	Lower	Upper
278	100		
139	37.6	22.1	33.1#
279	32.9	20.2	30.2#

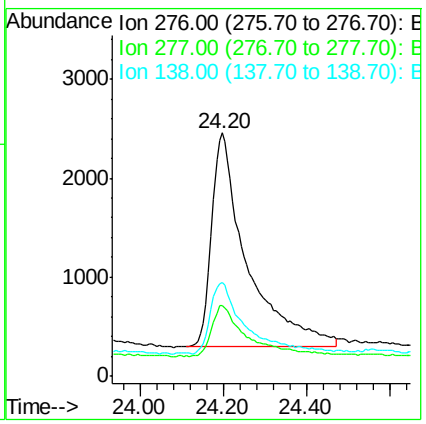




#27
Benzo(g,h,i)perylene
Concen: 0.17 ng
RT: 24.20 min Scan# 4250
Delta R.T. -0.00 min
Lab File: BE088209.D
Acq: 24 Oct 2014 13:13

Tgt Ion:276 Resp: 12723

Ion	Ratio	Lower	Upper
276	100		
277	29.3	19.4	29.2#
138	38.6	27.3	40.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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