Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088176.D
Acq On : 22 Oct 2014 11:24
Operator : TP/JJ
Sample : F4312-16 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

Manual Integrations APPROVED
mohammad
10/22/2014 1:56:31 PM

Quant Time: Oct 22 12:55:49 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 02:11:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	23926	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	94130	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	48242	5.00	ng		0.00
12) Phenanthrene-d10	12.96	188	73615	5.00	ng		0.00
16) Chrysene-d12	18.39	240	46771	5.00	ng		0.00
22) Perylene-d12	21.44	264	46679	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.83	82	81322	11.98	ng		0.00
8) 2-Fluorobiphenyl	10.04	172	137538	10.32	ng		0.00
18) Terphenyl-d14	16.15	244	101257	13.45	ng		0.00
Target Compounds							Qvalue
5) Naphthalene	8.72	128	2114	0.11	ng		96
6) 2-Methylnaphthalene	9.58	142	767	0.07	ng	#	93
9) Acenaphthylene	10.67	152	5940	0.08	ng		98
10) Acenaphthene	10.88	154	4133	0.36	ng		97
11) Fluorene	11.55	166	3983	0.33	ng		98
13) Phenanthrene	13.01	178	294408	5.45	ng		95
14) Anthracene	13.09	178	64787m	1.13	ng		
15) Fluoranthene	15.25	202	108996	7.78	ng		99
17) Pyrene	15.70	202	90761m	7.14	ng		
19) Benzo(a)anthracene	18.36	228	157164	3.78	ng		99
20) Chrysene	18.44	228	165405	4.05	ng		98
21) Indeno(1,2,3-cd)pyrene	23.64	276	112986	2.49	ng	#	88
23) Benzo(b)fluoranthene	20.69	252	52004	4.68	ng		99
24) Benzo(k)fluoranthene	20.74	252	22627	1.90	ng		98
25) Benzo(a)pyrene	21.32	252	36864	3.60	ng		98
26) Dibenzo(a,h)anthracene	23.73	278	5209	0.52	ng	#	93
27) Benzo(g,h,i)perylene	24.27	276	113313	2.55	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
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Acq On : 22 Oct 2014 11:24
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Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

Manual Integrations APPROVED
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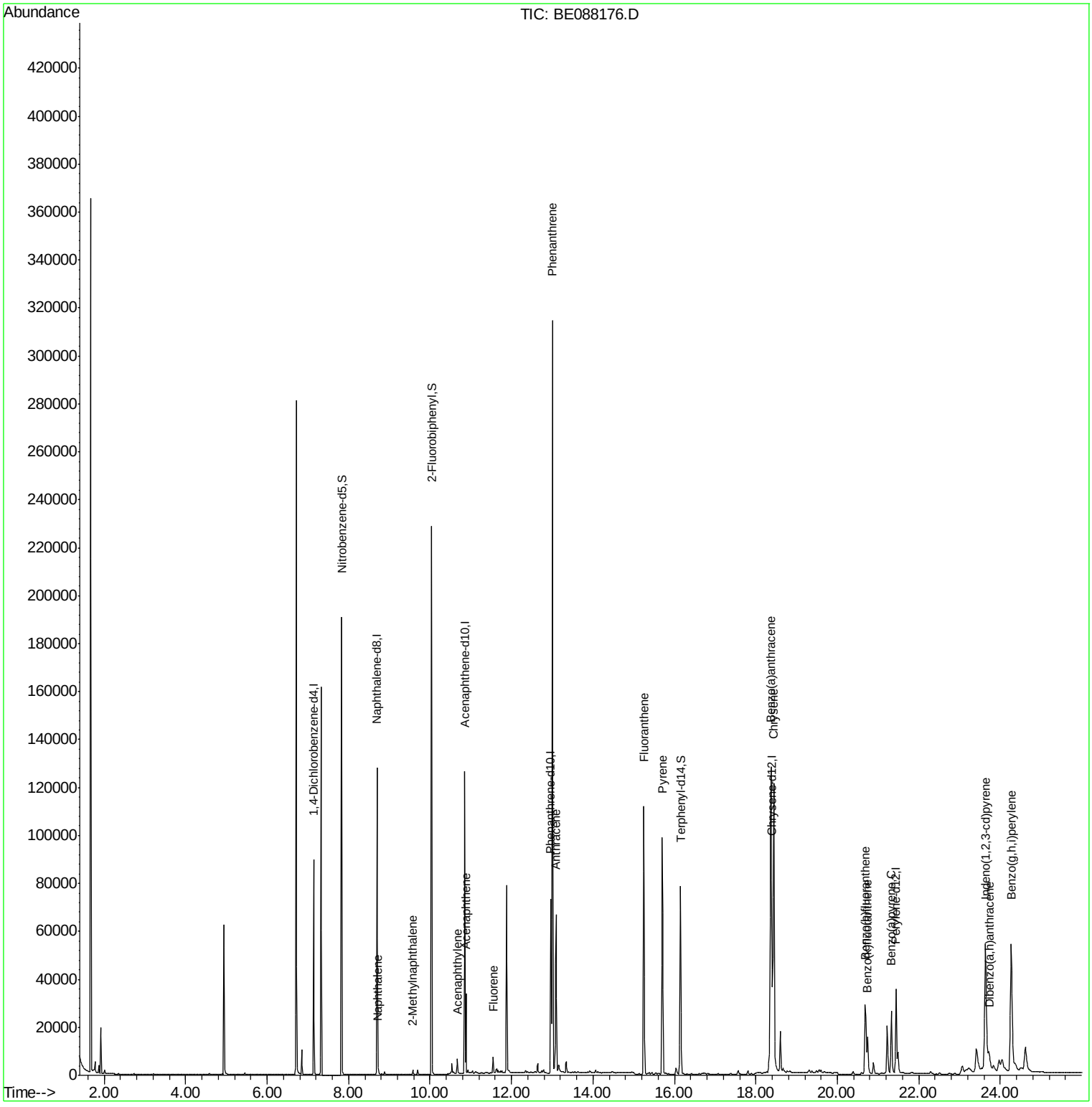
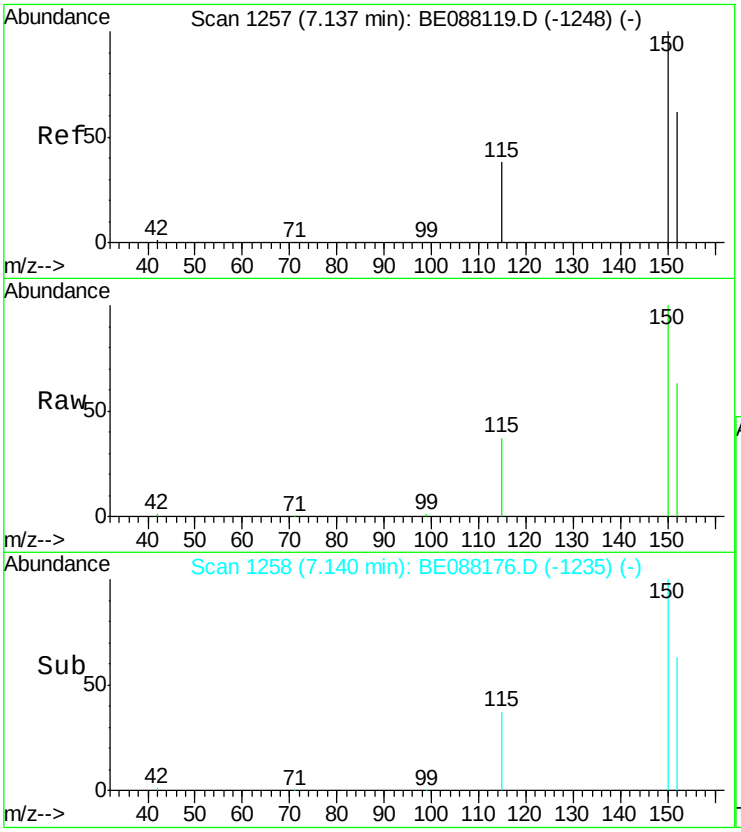
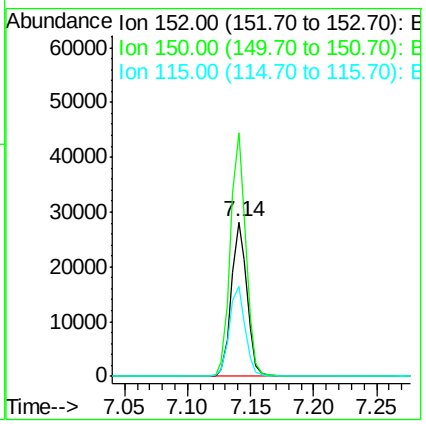




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:152 Resp: 23926

Ion	Ratio	Lower	Upper
152	100		
150	158.1	129.2	193.8
115	58.7	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

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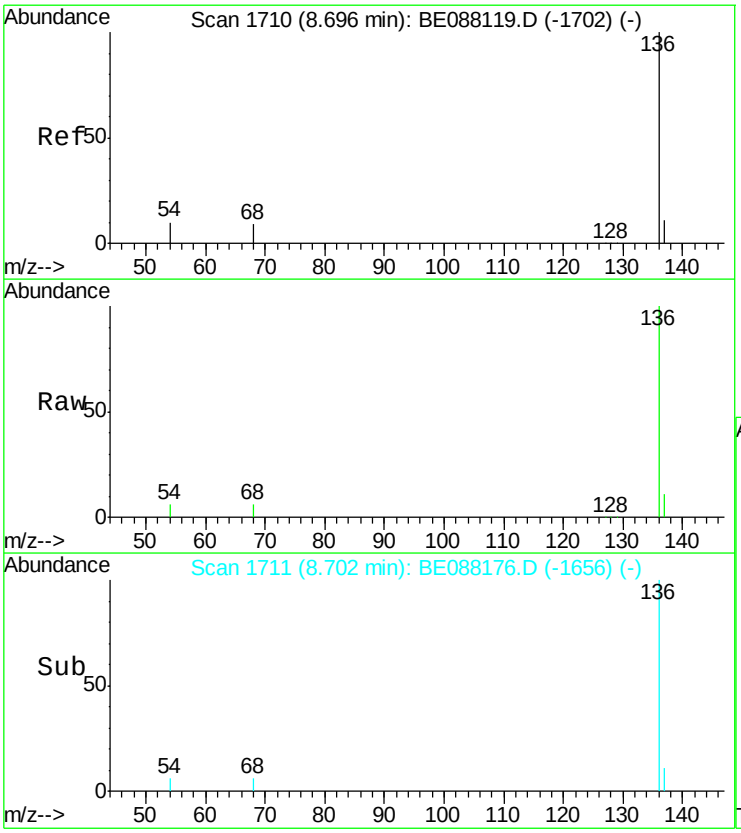
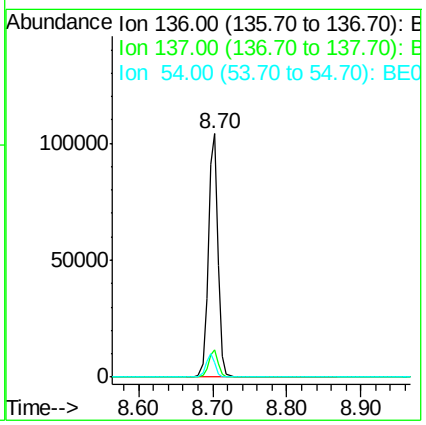
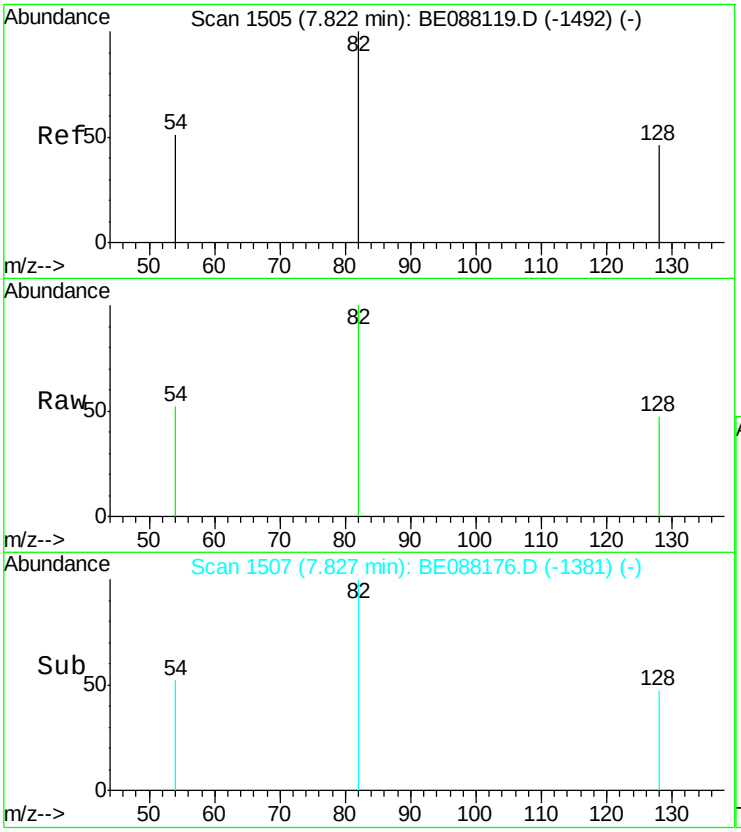


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.01 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:136 Resp: 94130

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	5.9	7.7	11.5#

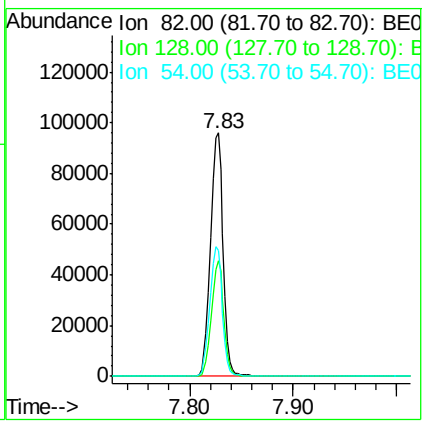




#4
Nitrobenzene-d5
Concen: 11.98 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion: 82 Resp: 81322

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.1	55.7
54	51.5	41.1	61.7



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

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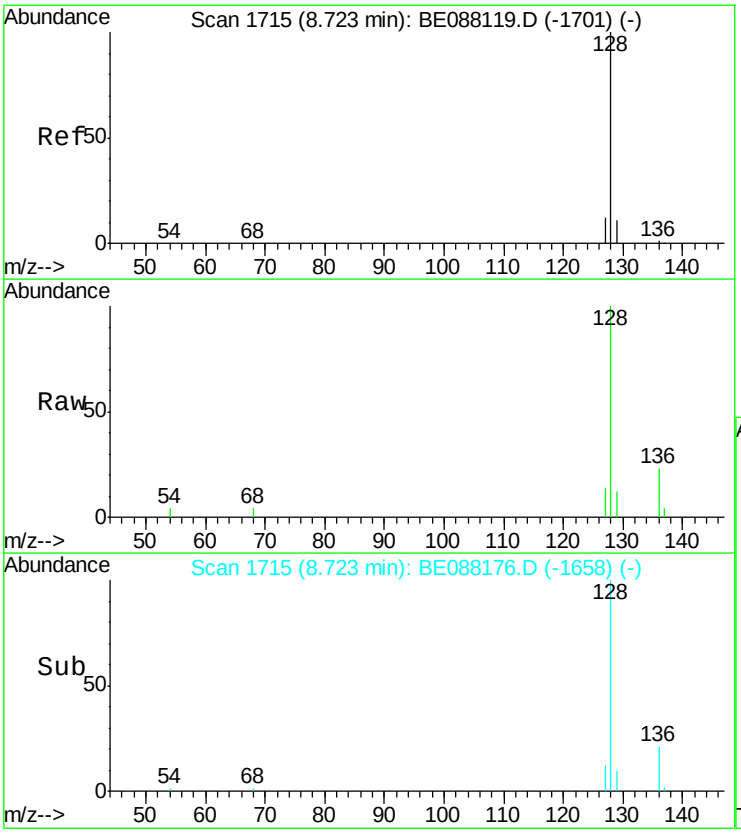
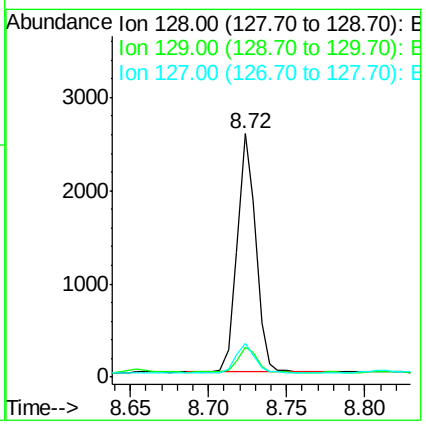
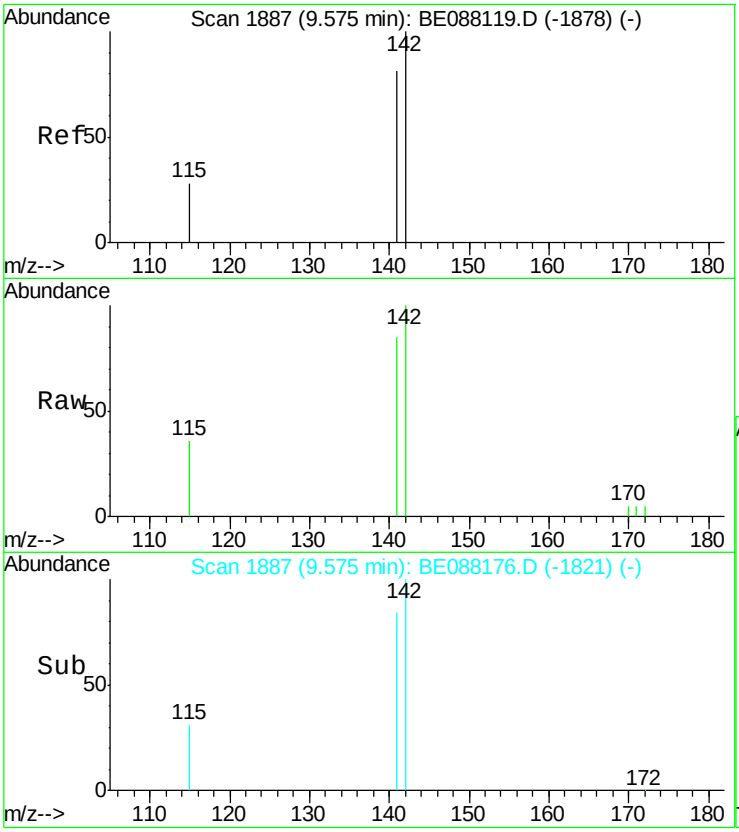


#5
Naphthalene
Concen: 0.11 ng
RT: 8.72 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:128 Resp: 2114

Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.9	13.3
127	14.1	9.7	14.5

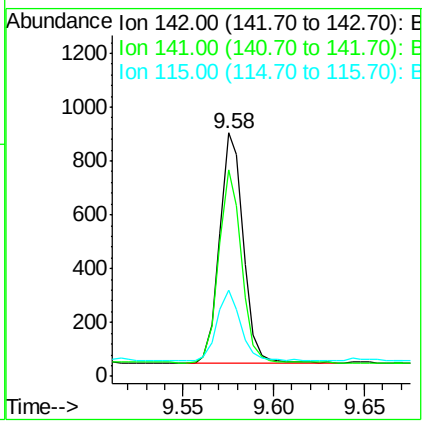




#6
2-Methylnaphthalene
Concen: 0.07 ng
RT: 9.58 min Scan# 1887
Delta R.T. -0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:142 Resp: 767

Ion	Ratio	Lower	Upper
142	100		
141	85.1	64.6	97.0
115	35.6	22.6	34.0#



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

Manual Integrations APPROVED
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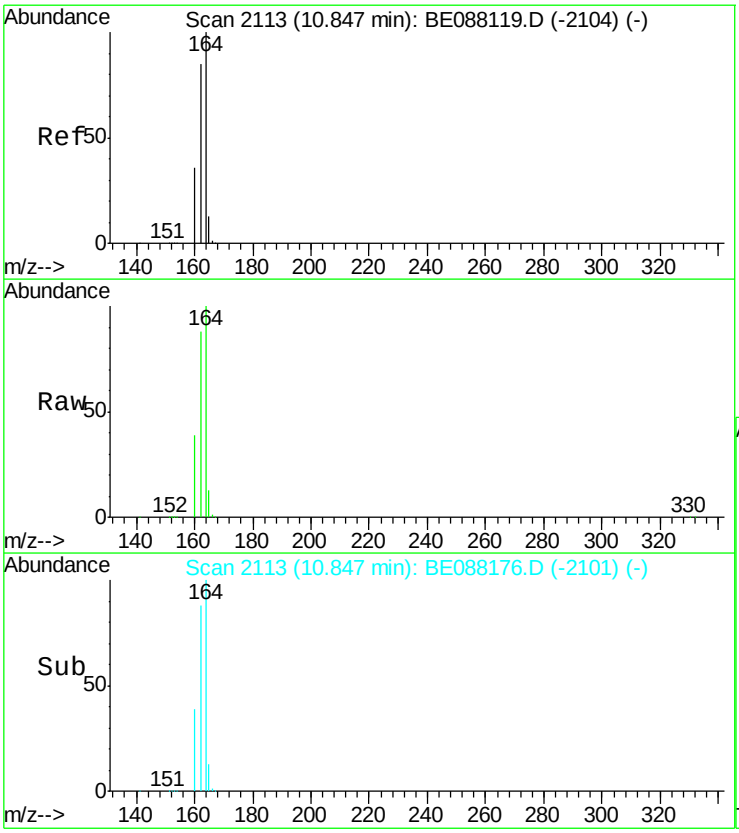
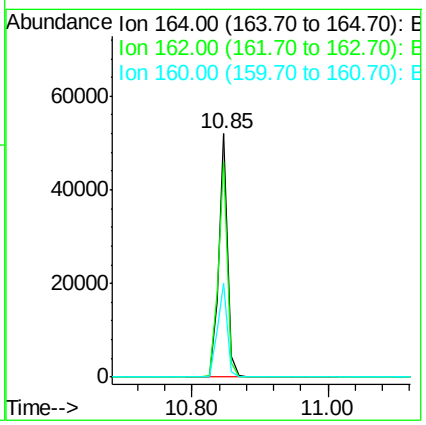
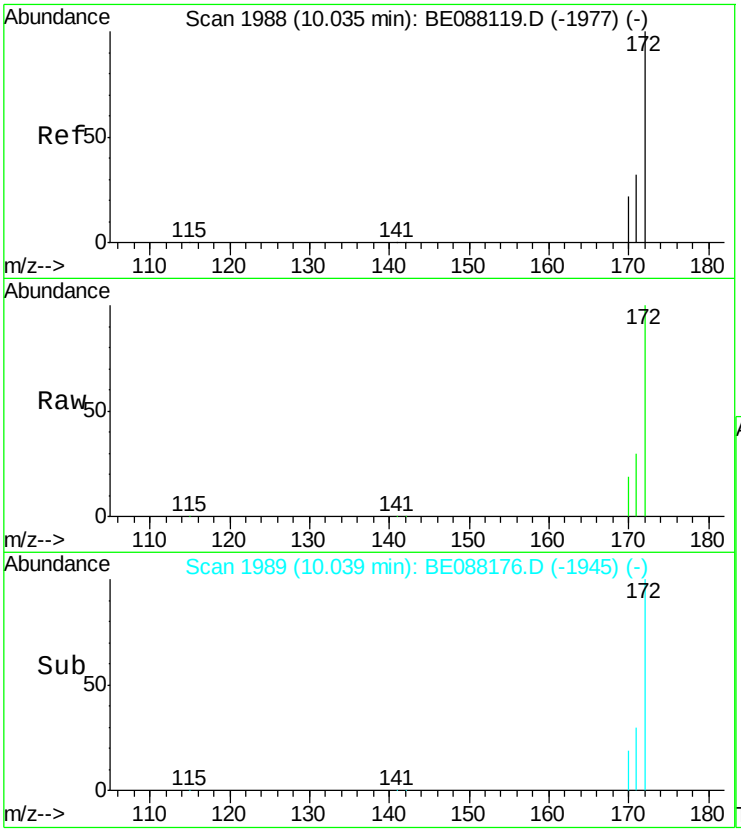


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:164 Resp: 48242

Ion	Ratio	Lower	Upper
164	100		
162	88.4	68.3	102.5
160	38.7	28.7	43.1

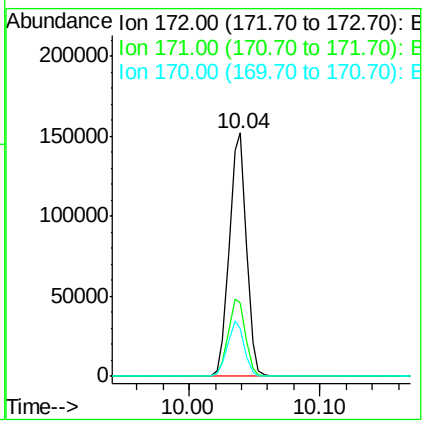




#8
2-Fluorobiphenyl
Concen: 10.32 ng
RT: 10.04 min Scan# 1989
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:172 Resp: 137538

Ion	Ratio	Lower	Upper
172	100		
171	30.4	25.4	38.2
170	19.5	17.4	26.2



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

Manual Integrations APPROVED
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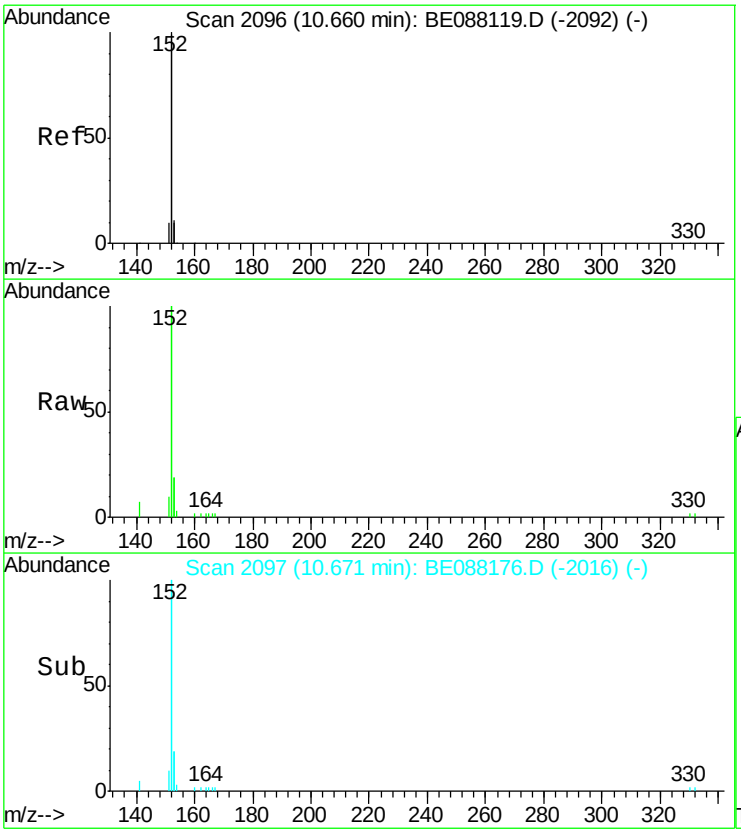
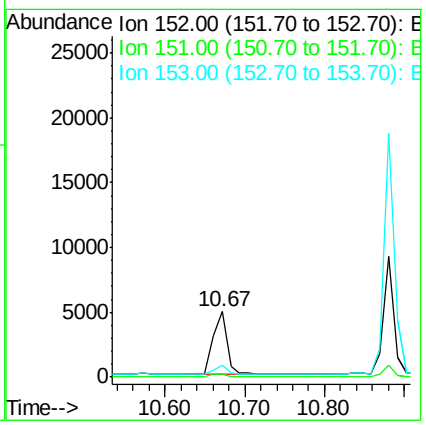
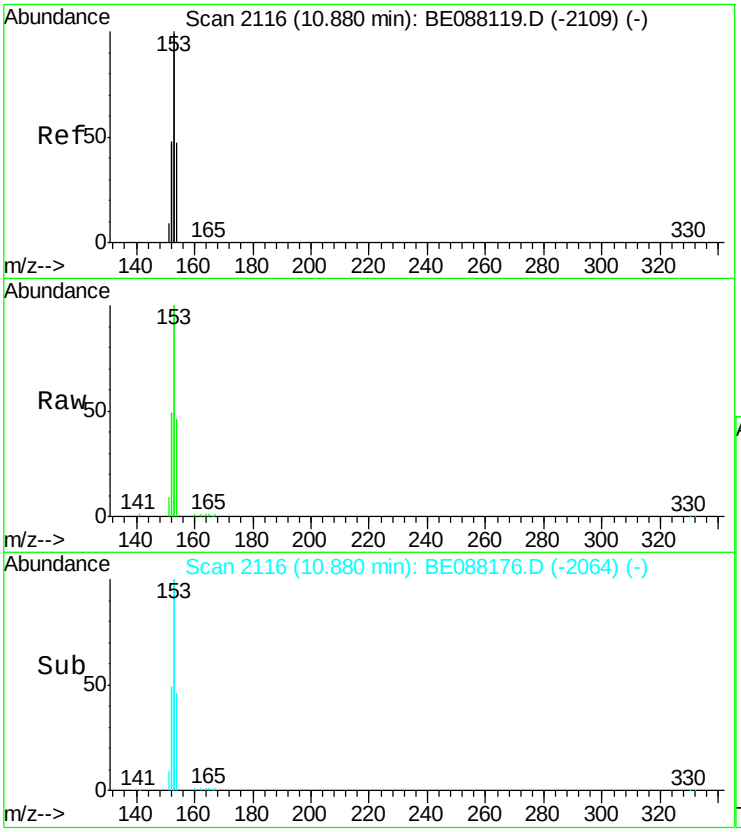


#9
Acenaphthylene
Concen: 0.08 ng
RT: 10.67 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:152 Resp: 5940

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.7	5.5
153	14.2	10.4	15.6

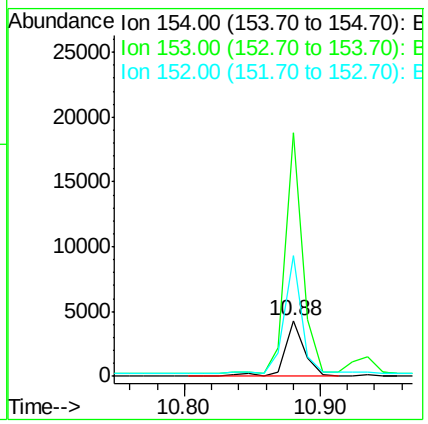




#10
Acenaphthene
Concen: 0.36 ng
RT: 10.88 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:154 Resp: 4133

Ion	Ratio	Lower	Upper
154	100		
153	402.2	327.8	491.6
152	200.5	157.6	236.4



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

Manual Integrations APPROVED
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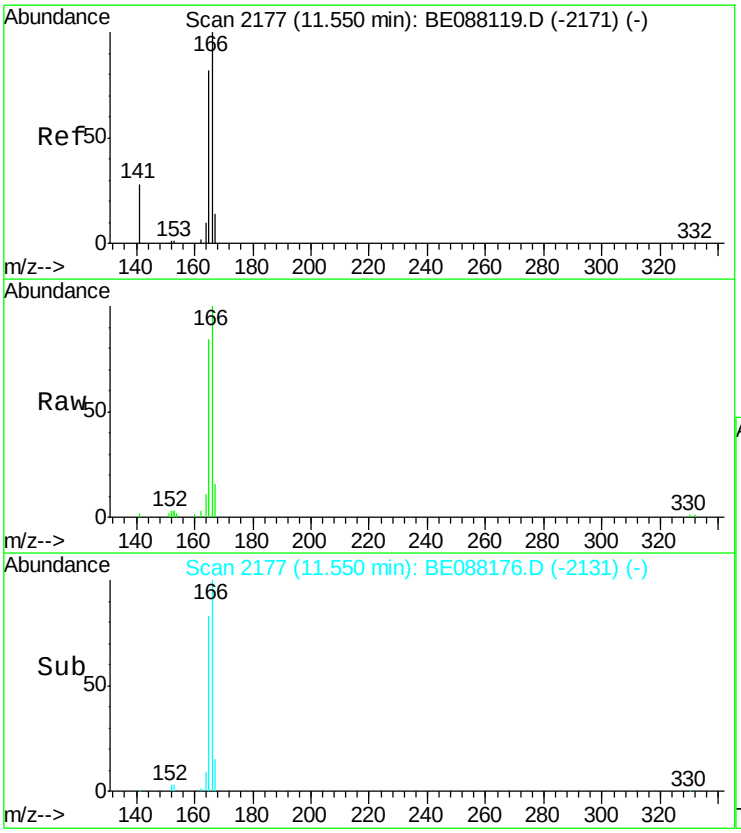
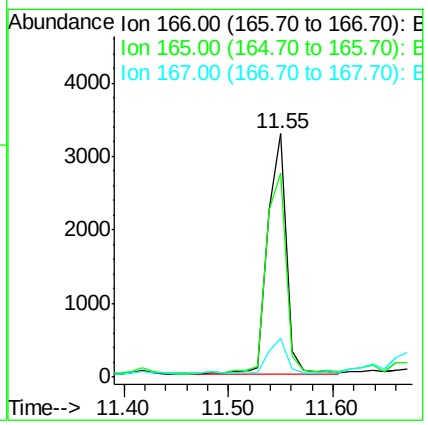
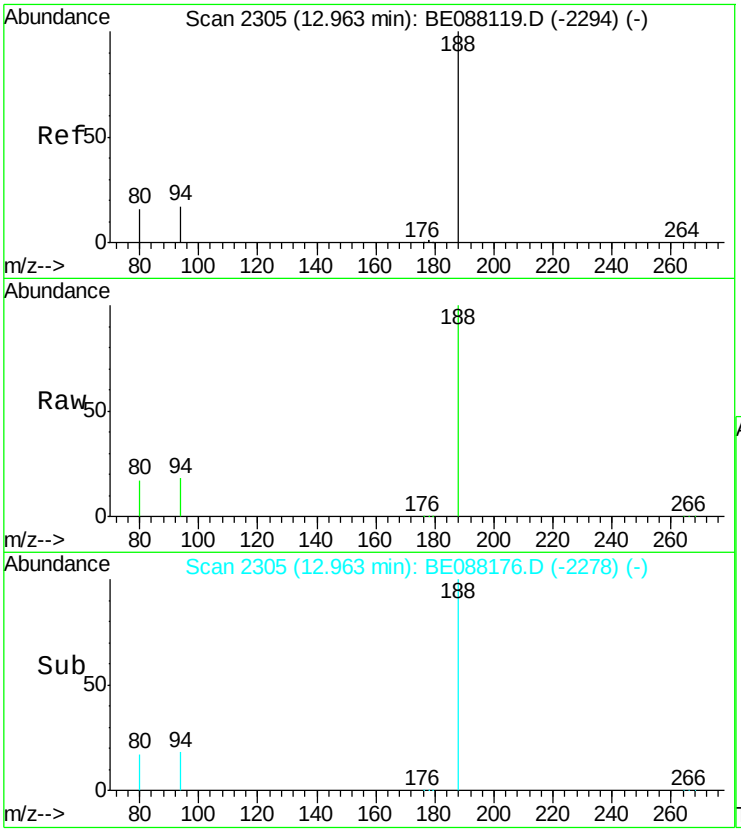


#11
Fluorene
Concen: 0.33 ng
RT: 11.55 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:166 Resp: 3983

Ion	Ratio	Lower	Upper
166	100		
165	90.5	71.4	107.2
167	14.7	10.6	16.0

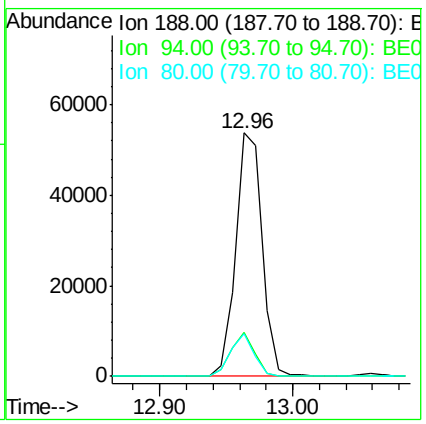




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:188 Resp: 73615

Ion	Ratio	Lower	Upper
188	100		
94	18.1	13.9	20.9
80	17.3	12.9	19.3



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

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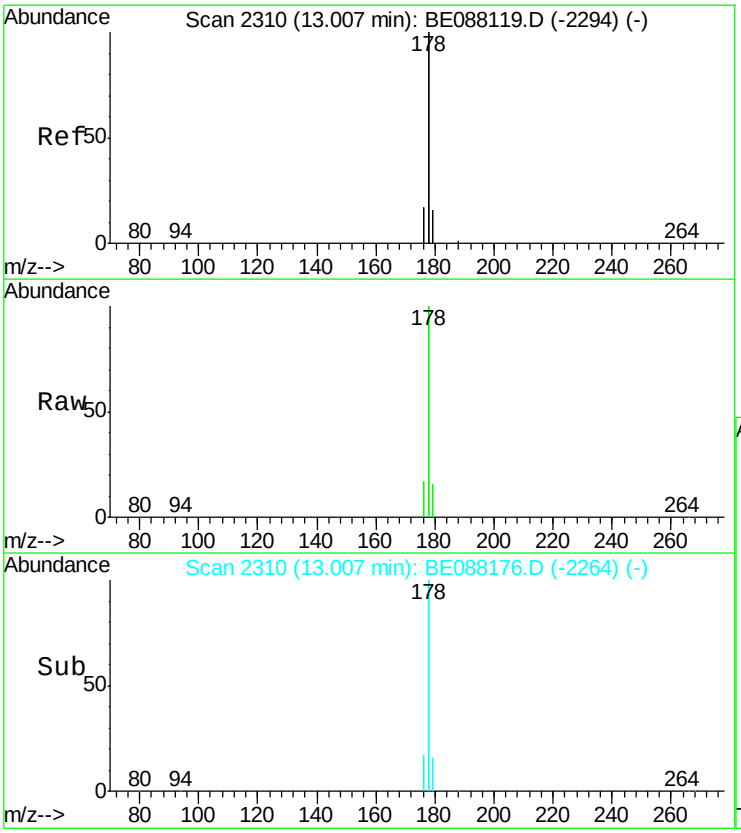
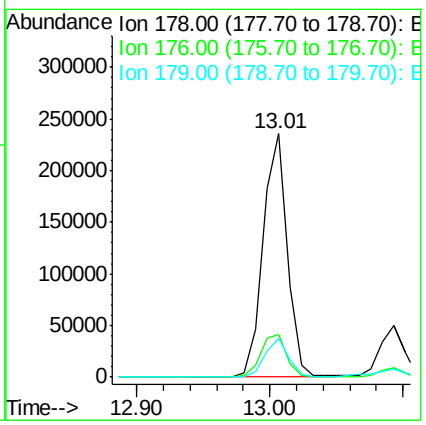
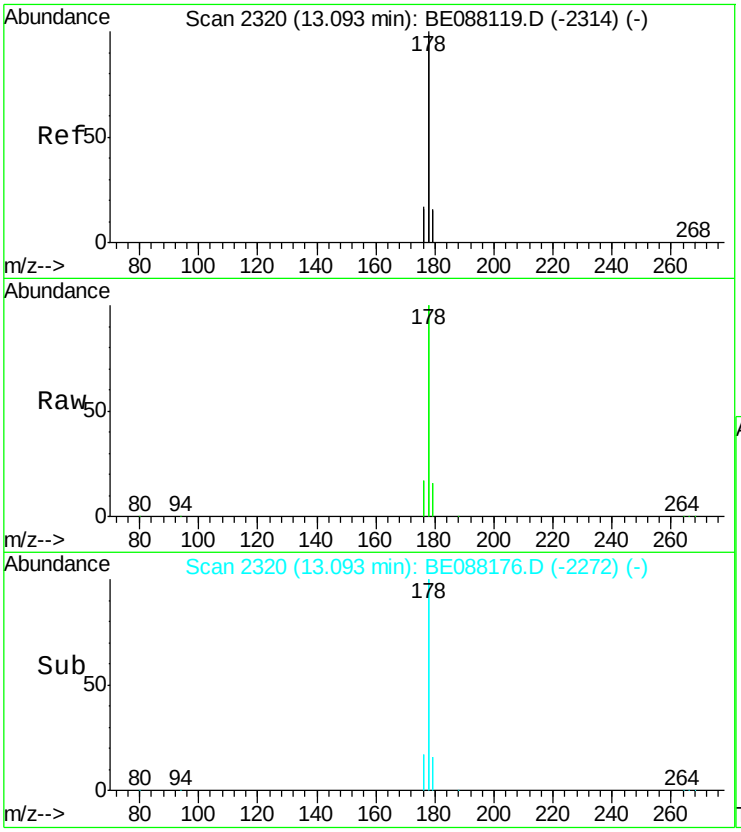


#13
Phenanthrene
Concen: 5.45 ng
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:178 Resp: 294408

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.5	18.7
179	15.2	13.5	20.3

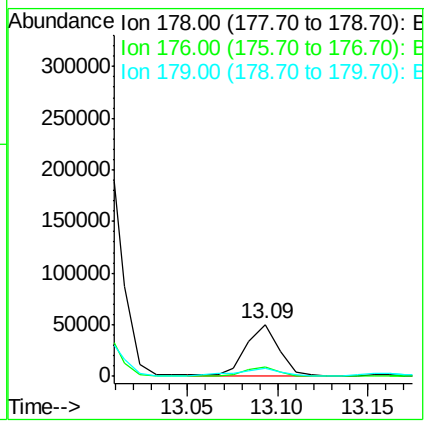




#14
Anthracene
Concen: 1.13 ng m
RT: 13.09 min Scan# 2320
Delta R.T. -0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:178 Resp: 64787

Ion	Ratio	Lower	Upper
178	100		
176	84.3	14.6	21.8#
179	69.1	12.5	18.7#



Instrument :
BNA_E
ClientSampleId :
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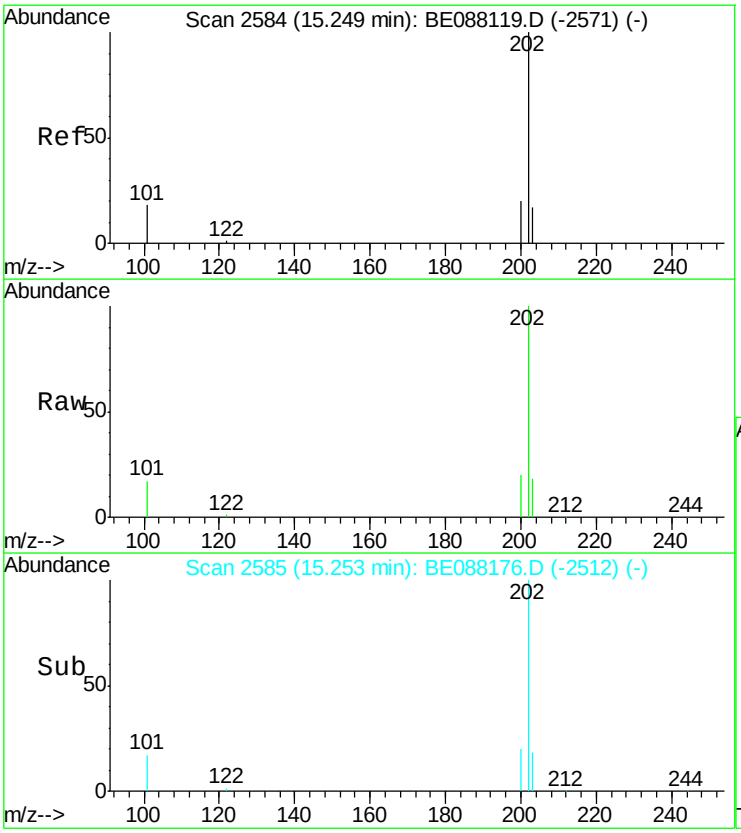
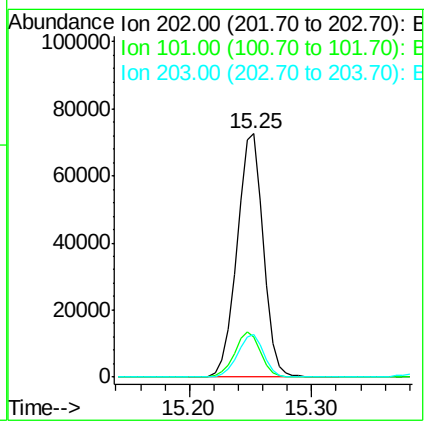
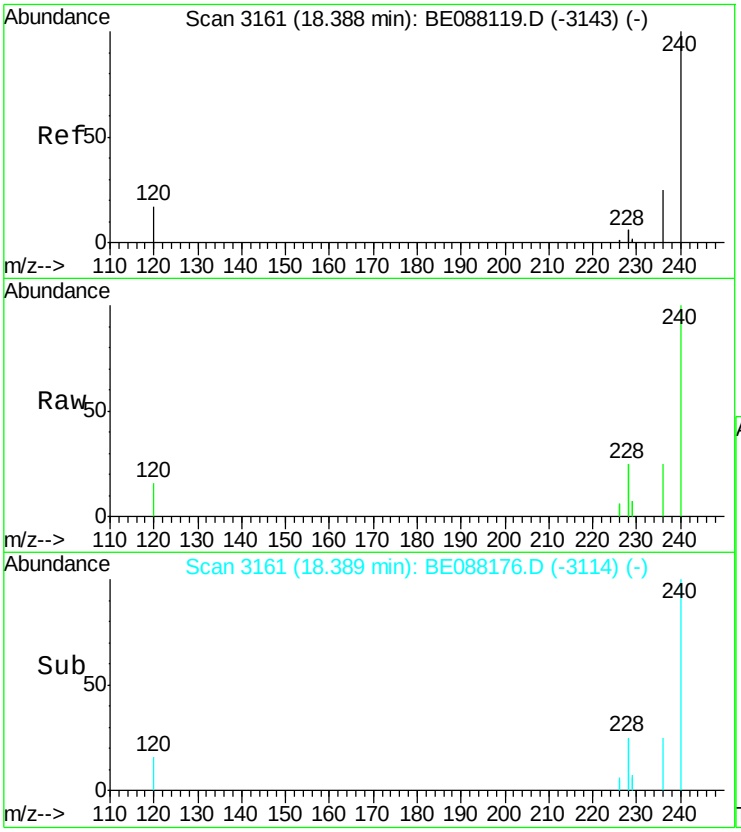


#15
Fluoranthene
Concen: 7.78 ng
RT: 15.25 min Scan# 2585
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:202 Resp: 108996

Ion	Ratio	Lower	Upper
202	100		
101	18.2	14.8	22.2
203	17.3	13.5	20.3

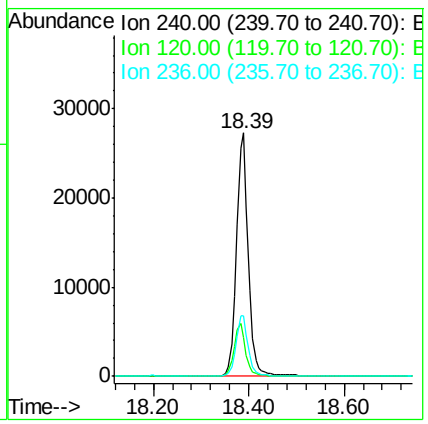




#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:240 Resp: 46771

Ion	Ratio	Lower	Upper
240	100		
120	15.9	13.9	20.9
236	24.9	19.9	29.9



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

Manual Integrations APPROVED
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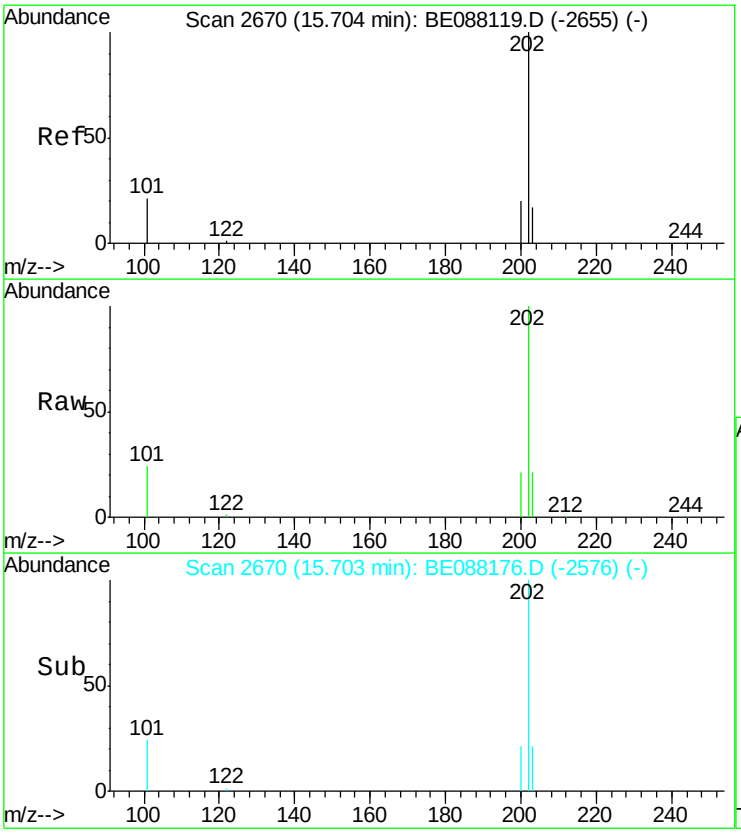
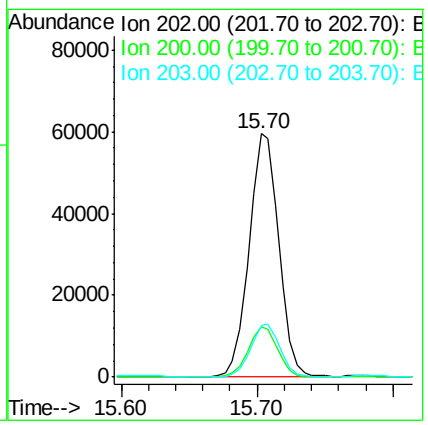
10/22/2014 1:56:31 PM

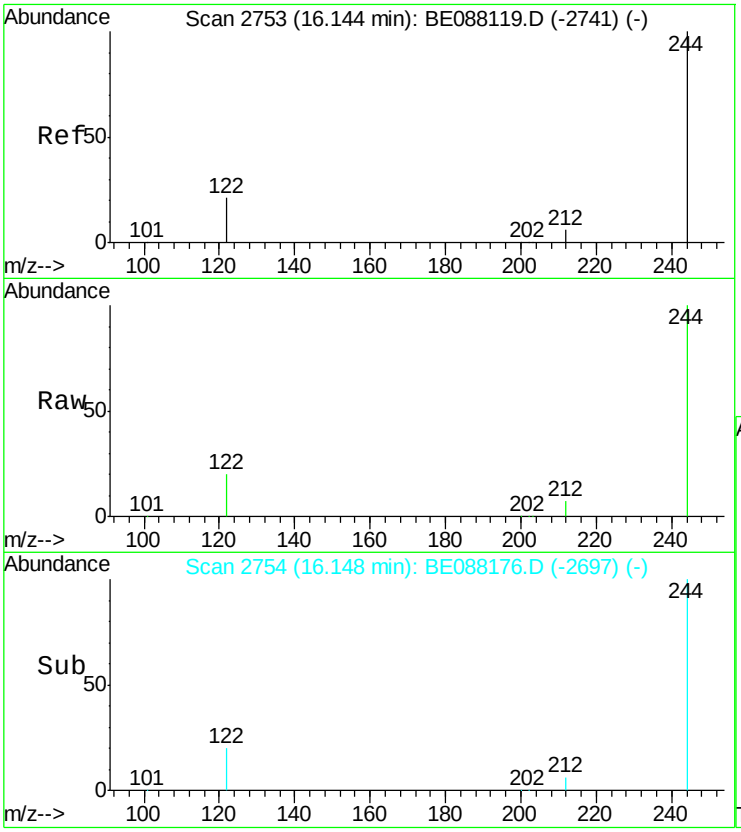


#17
Pyrene
Concen: 7.14 ng m
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:202 Resp: 90761

Ion	Ratio	Lower	Upper
202	100		
200	23.9	16.1	24.1
203	20.6	13.9	20.9

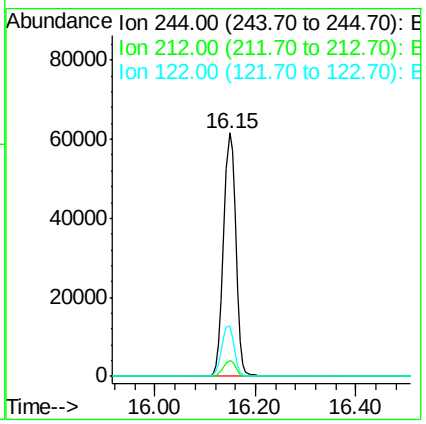




#18
Terphenyl-d14
Concen: 13.45 ng
RT: 16.15 min Scan# 2754
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:244 Resp: 101257

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	20.5	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
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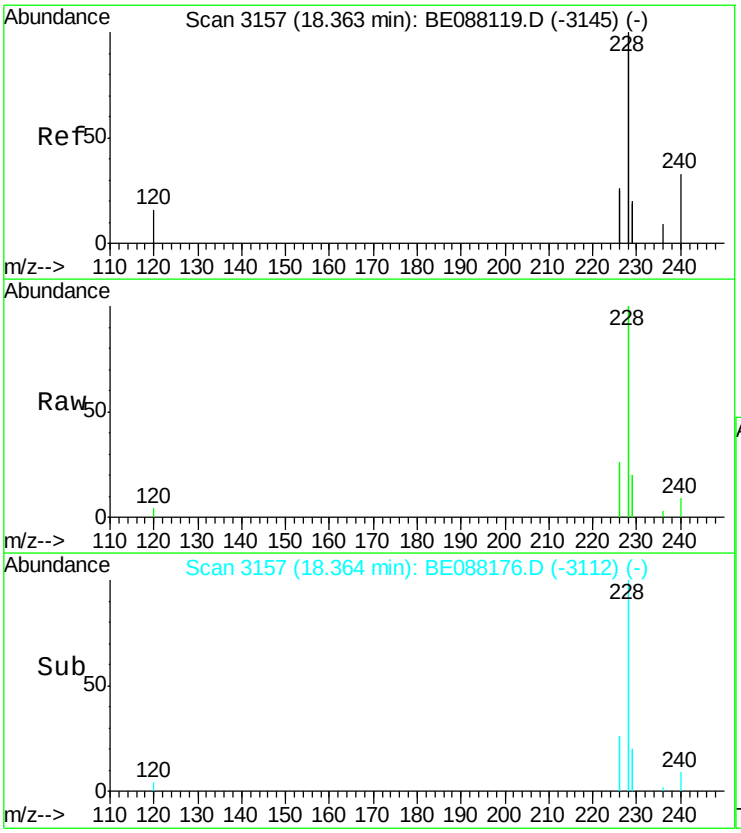
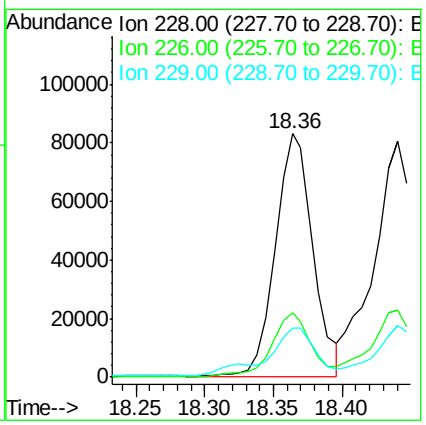
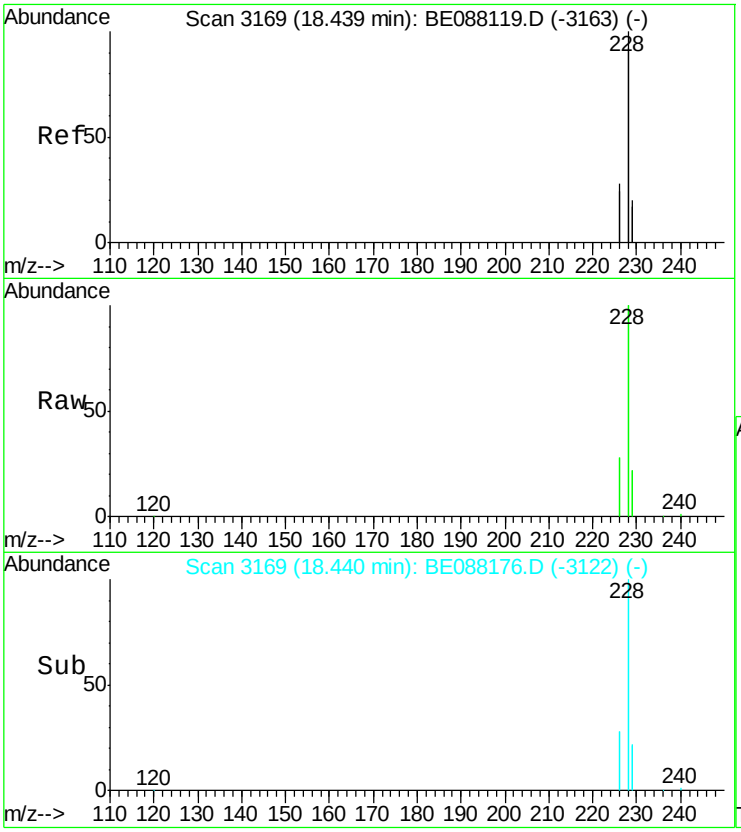


#19
Benzo(a)anthracene
Concen: 3.78 ng
RT: 18.36 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:228 Resp: 157164

Ion	Ratio	Lower	Upper
228	100		
226	26.3	20.8	31.2
229	20.3	15.6	23.4





#20
Chrysene
Concen: 4.05 ng
RT: 18.44 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:228 Resp: 165405

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.7	34.1
229	21.7	15.8	23.6

Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

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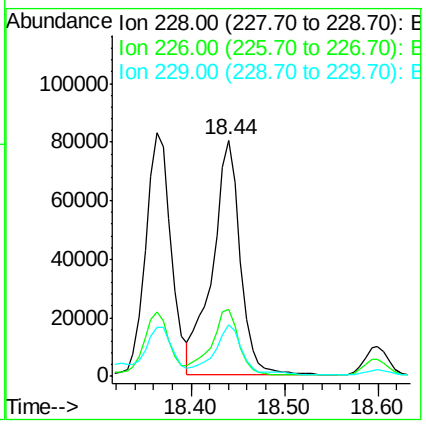
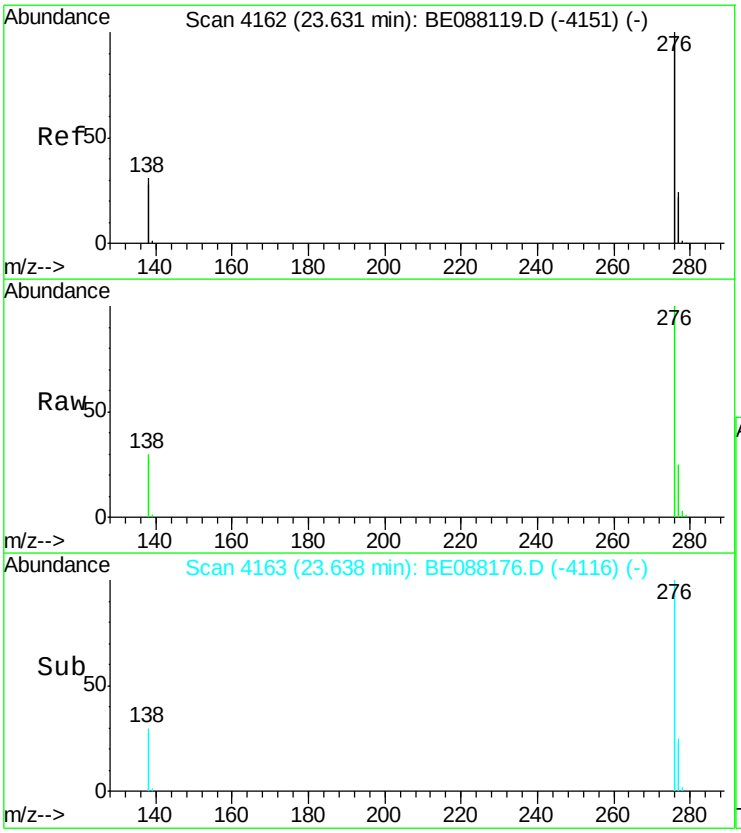
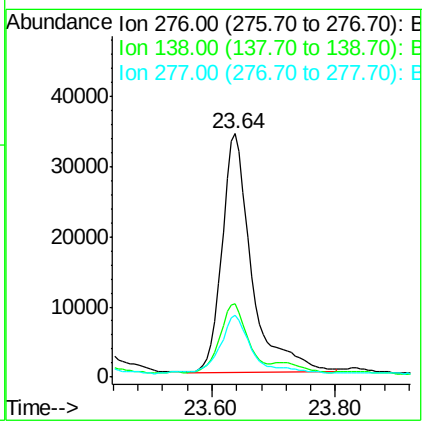


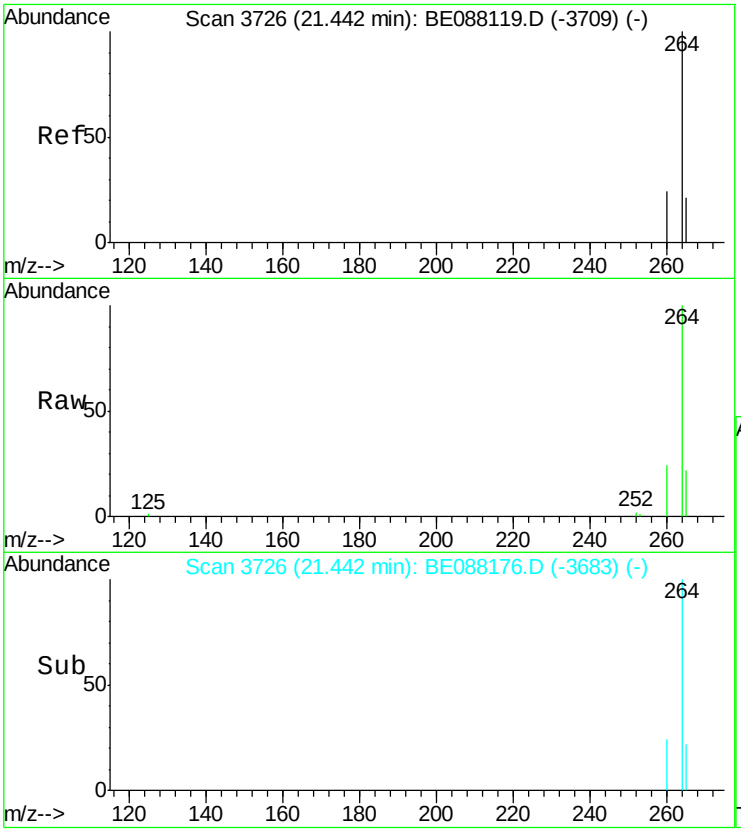


#21
Indeno(1,2,3-cd)pyrene
Concen: 2.49 ng
RT: 23.64 min Scan# 4163
Delta R.T. 0.01 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:276 Resp: 112986

Ion	Ratio	Lower	Upper
276	100		
138	27.1	18.5	27.7
277	25.3	14.6	21.8#

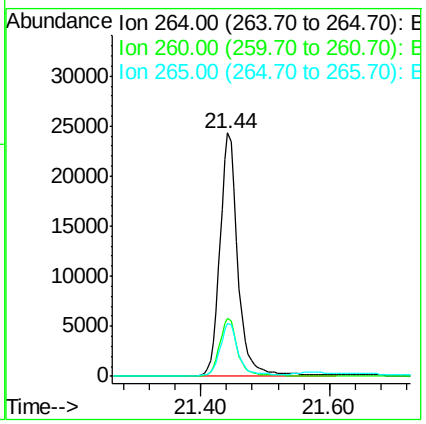




#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:264 Resp: 46679

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.8	17.2	25.8



Instrument :
BNA_E
ClientSampleId :
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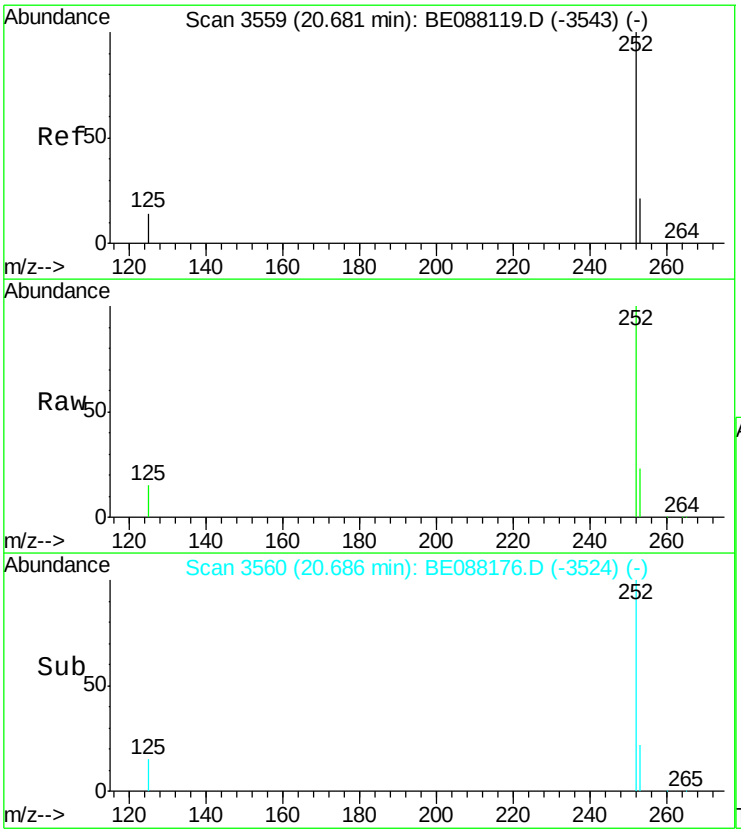
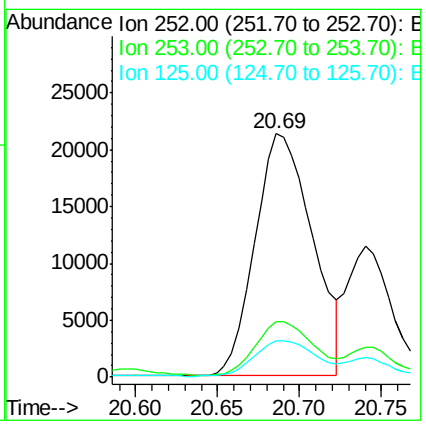
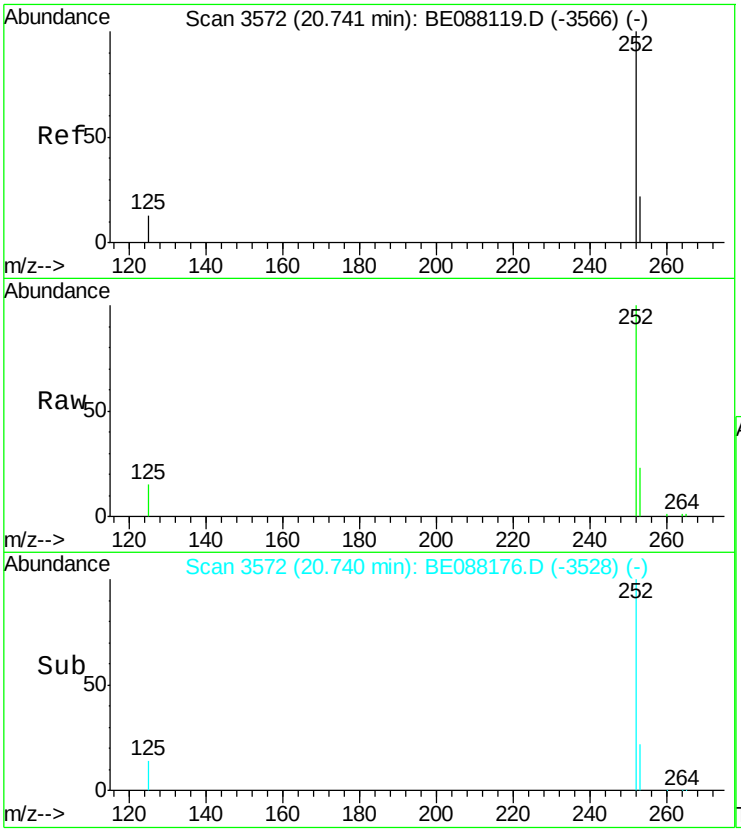


#23
Benzo(b)fluoranthene
Concen: 4.68 ng
RT: 20.69 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:252 Resp: 52004

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	14.9	11.8	17.8

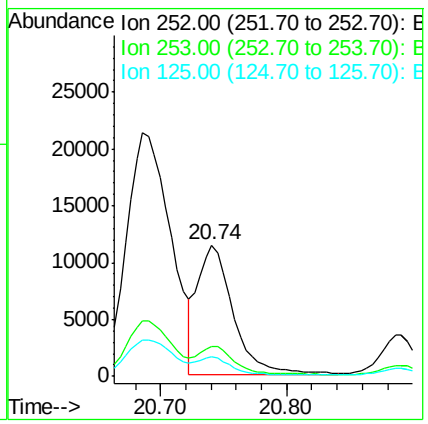




#24
Benzo(k)fluoranthene
Concen: 1.90 ng
RT: 20.74 min Scan# 3572
Delta R.T. -0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:252 Resp: 22627

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	14.6	11.5	17.3



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

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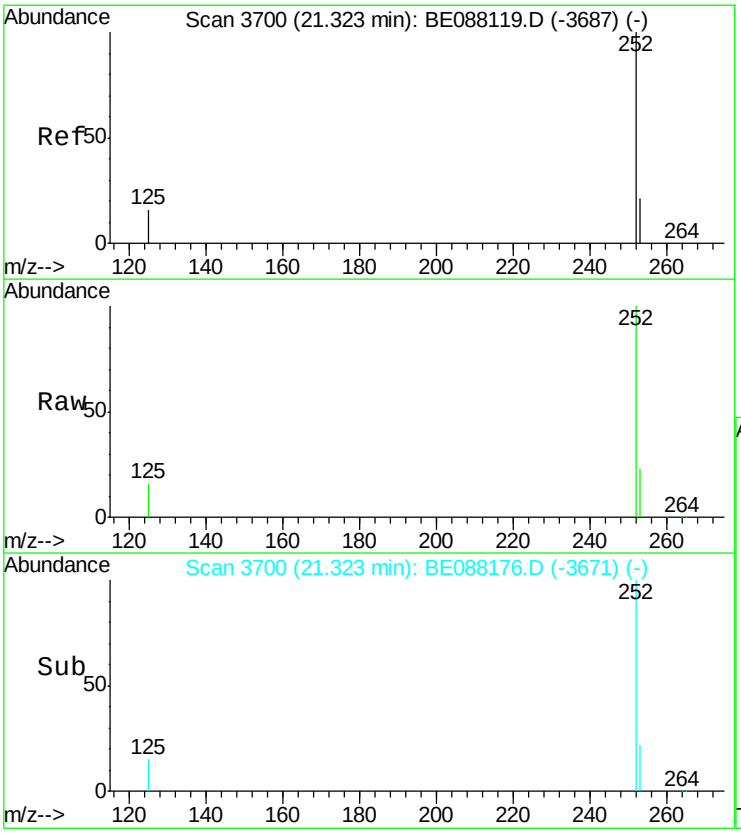
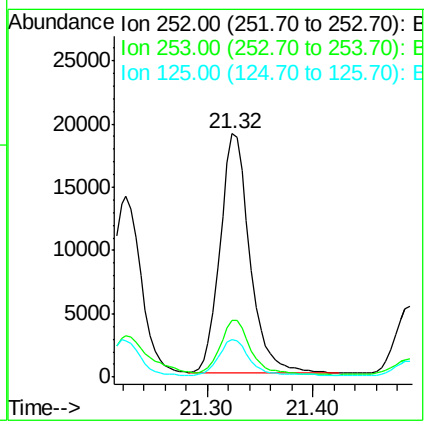
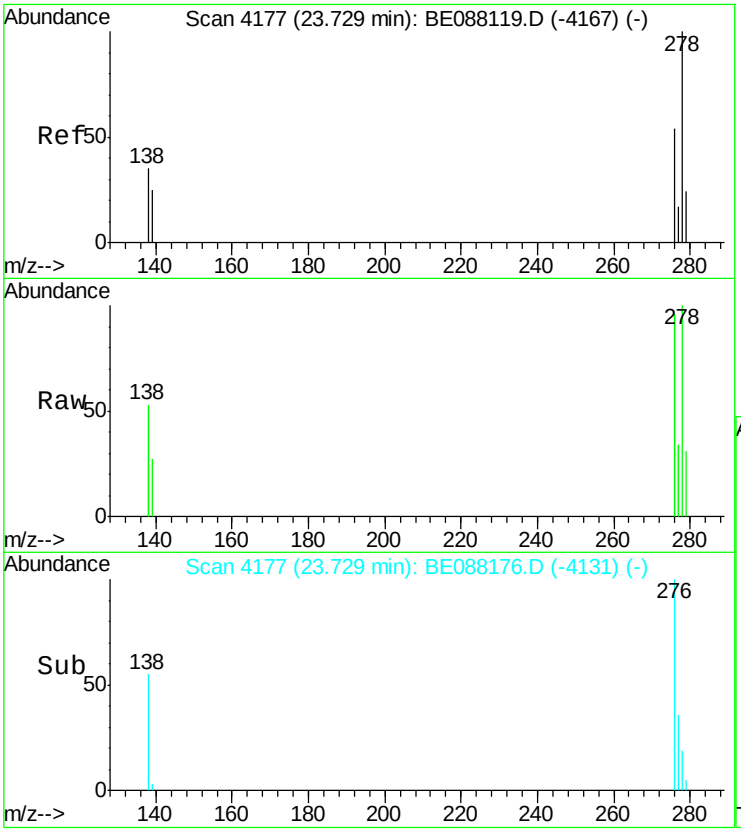


#25
Benzo(a)pyrene
Concen: 3.60 ng
RT: 21.32 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:252 Resp: 36864

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	15.7	13.0	19.6

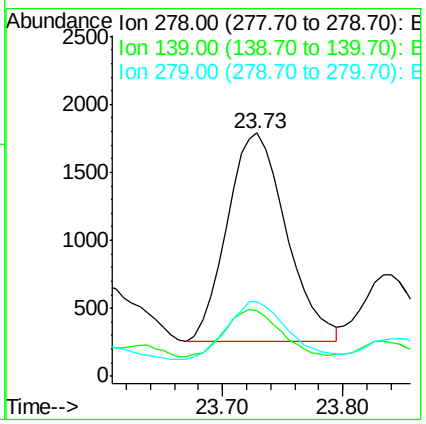




#26
Dibenzo(a,h)anthracene
Concen: 0.52 ng
RT: 23.73 min Scan# 4177
Delta R.T. 0.00 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:278 Resp: 5209

Ion	Ratio	Lower	Upper
278	100		
139	26.9	20.9	31.3
279	30.8	19.8	29.8#



Instrument :
BNA_E
ClientSampleId :
YS19-SS02P-1014

Manual Integrations APPROVED
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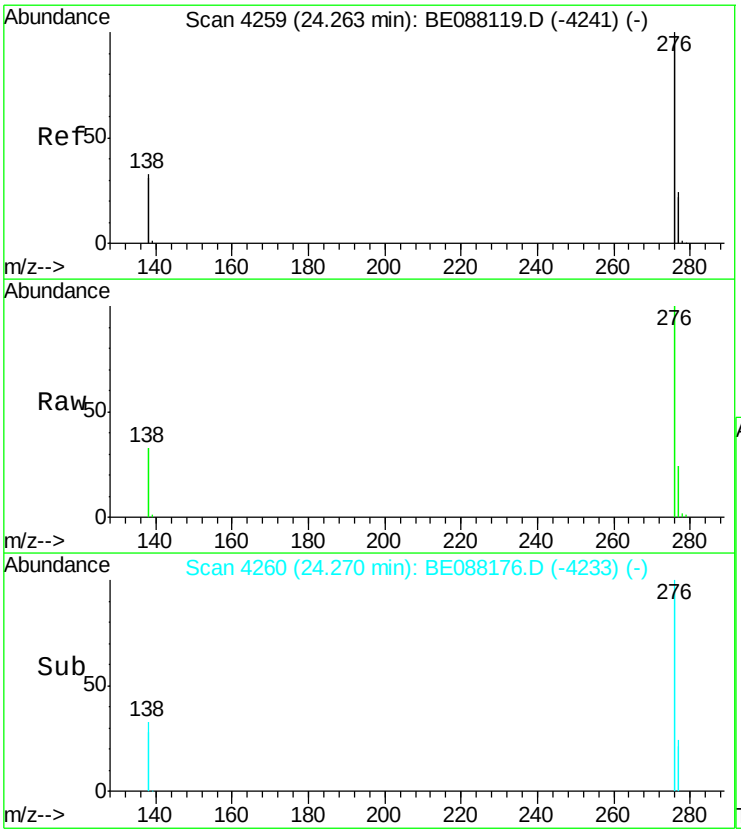

#27
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 24.27 min Scan# 4260
Delta R.T. 0.01 min
Lab File: BE088176.D
Acq: 22 Oct 2014 11:24

Tgt Ion:276 Resp: 113313

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	32.5	26.6	40.0