Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088444.D
Acq On : 1 Nov 2014 4:12
Operator : TP/JJ
Sample : F4379-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SS29-1014

Manual Integrations APPROVED
mohammad
11/4/2014 9:06:53 AM

Quant Time: Nov 01 05:47:02 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 00:42:07 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	39221	5.00	ng		0.00
3) Naphthalene-d8	8.65	136	133069	5.00	ng		0.00
7) Acenaphthene-d10	10.79	164	53638	5.00	ng		0.00
12) Phenanthrene-d10	12.90	188	92595	5.00	ng		0.00
16) Chrysene-d12	18.31	240	48411	5.00	ng		0.00
22) Perylene-d12	21.37	264	43930	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.79	82	878797	90.05	ng		0.02
8) 2-Fluorobiphenyl	10.00	172	900354	59.55	ng		0.01
18) Terphenyl-d14	16.10	244	534158	60.06	ng		0.03
Target Compounds							Qvalue
5) Naphthalene	8.68	128	11148	0.40	ng		98
6) 2-Methylnaphthalene	9.53	142	2727	0.16	ng		99
9) Acenaphthylene	10.62	152	5628	0.06	ng	#	75
10) Acenaphthene	10.84	154	16537	1.28	ng		98
11) Fluorene	11.50	166	13875	1.02	ng		99
13) Phenanthrene	12.95	178	737351	8.76	ng		99
14) Anthracene	13.03	178	131426m	1.93	ng		
15) Fluoranthene	15.18	202	144663	10.59	ng		99
17) Pyrene	15.64	202	115903m	7.34	ng		
19) Benzo(a)anthracene	18.29	228	216463	4.75	ng		98
20) Chrysene	18.37	228	201833	4.51	ng		96
21) Indeno(1,2,3-cd)pyrene	23.55	276	115037	2.76	ng	#	88
23) Benzo(b)fluoranthene	20.62	252	57910	6.01	ng		98
24) Benzo(k)fluoranthene	20.67	252	23620	2.23	ng		97
25) Benzo(a)pyrene	21.26	252	41339	4.47	ng		99
26) Dibenzo(a,h)anthracene	23.64	278	5794m	0.67	ng		
27) Benzo(g,h,i)perylene	24.18	276	106068	2.69	ng		99

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

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BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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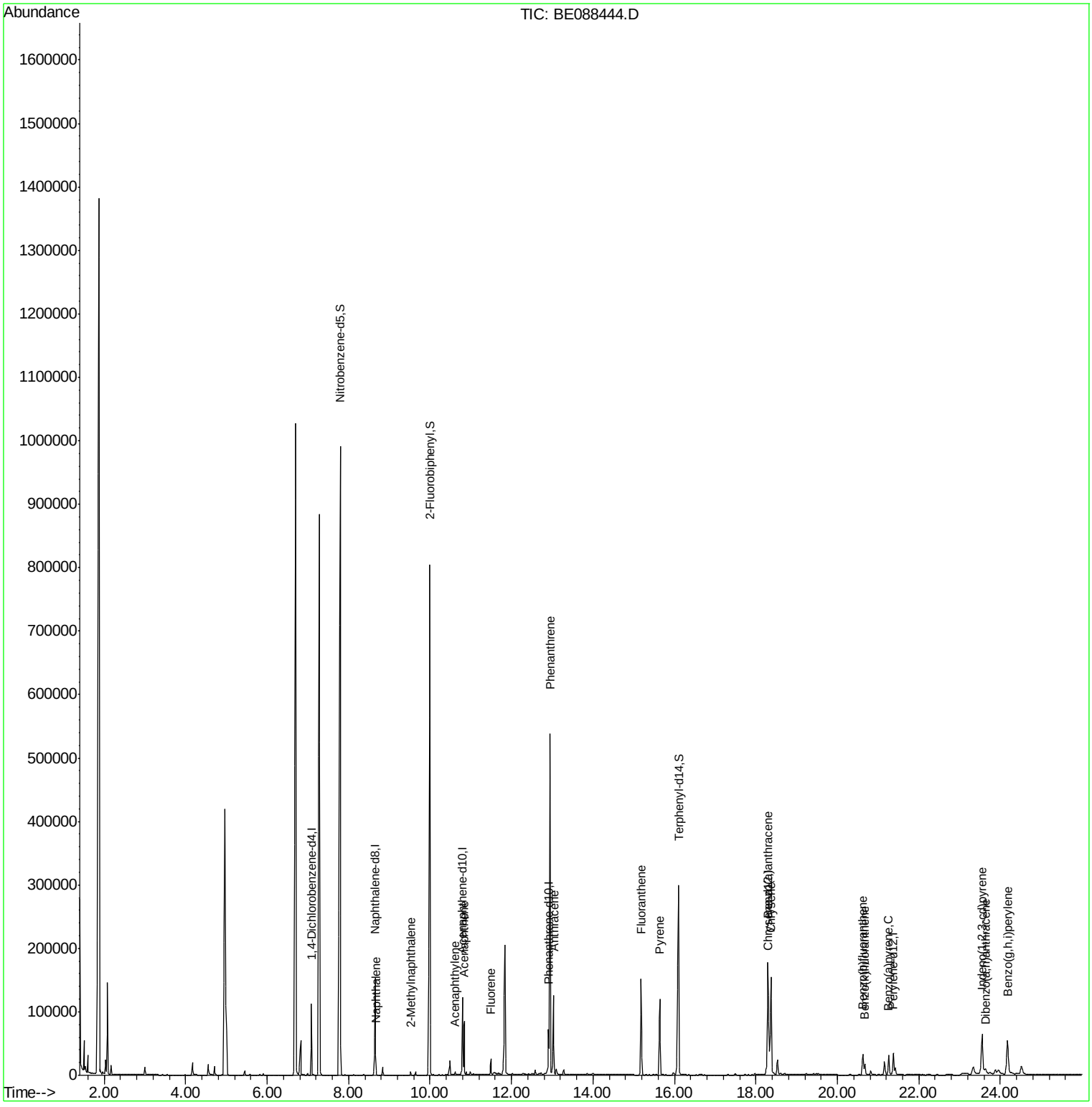
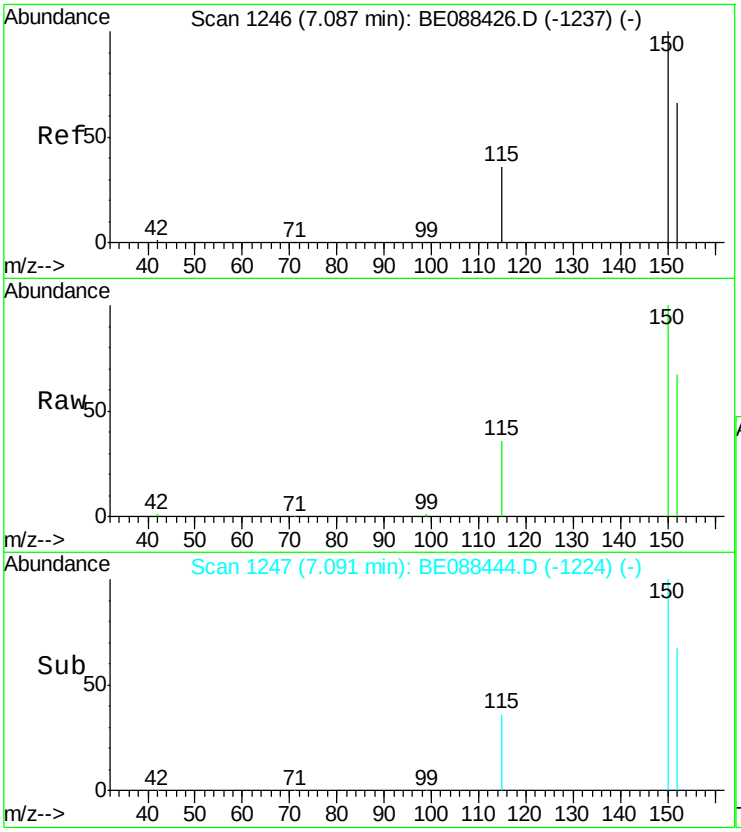
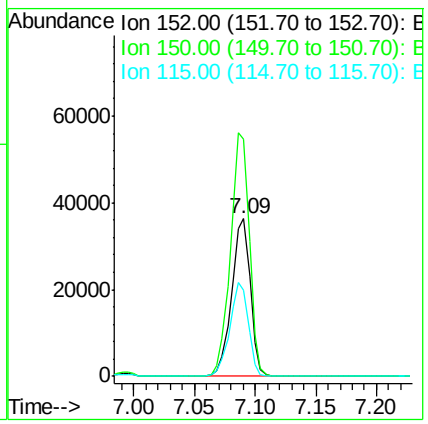




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:152 Resp: 39221

Ion	Ratio	Lower	Upper
152	100		
150	150.4	121.8	182.8
115	54.5	43.9	65.9



Instrument :
BNA_E
ClientSampleId :
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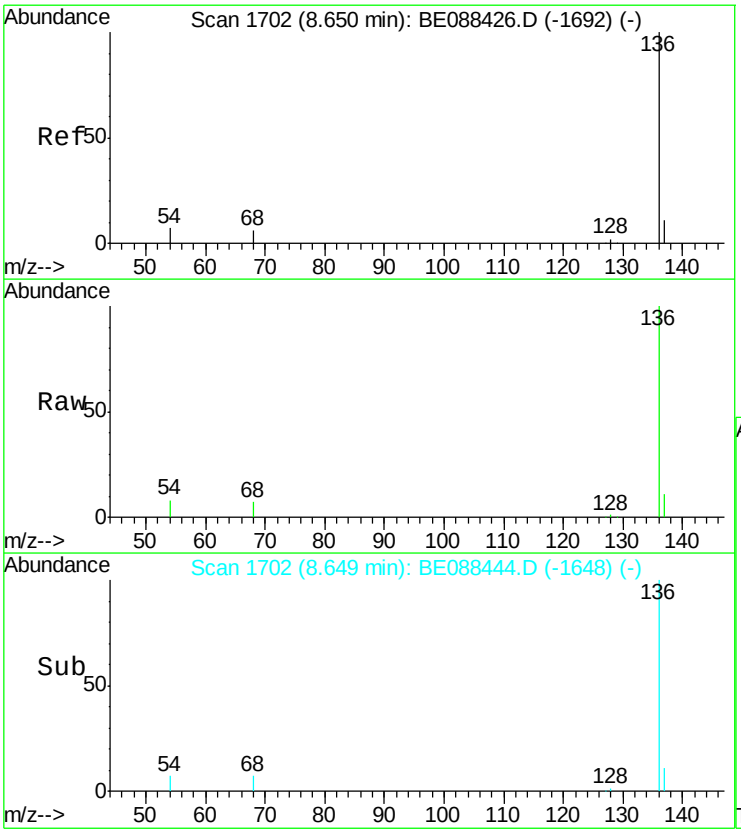
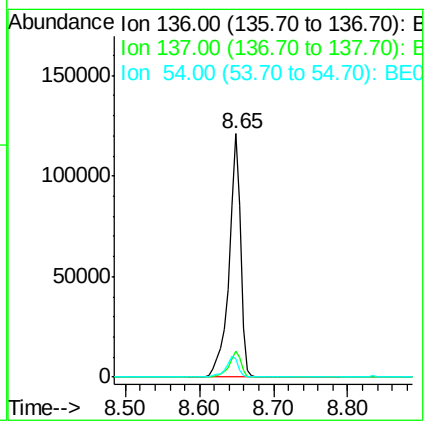
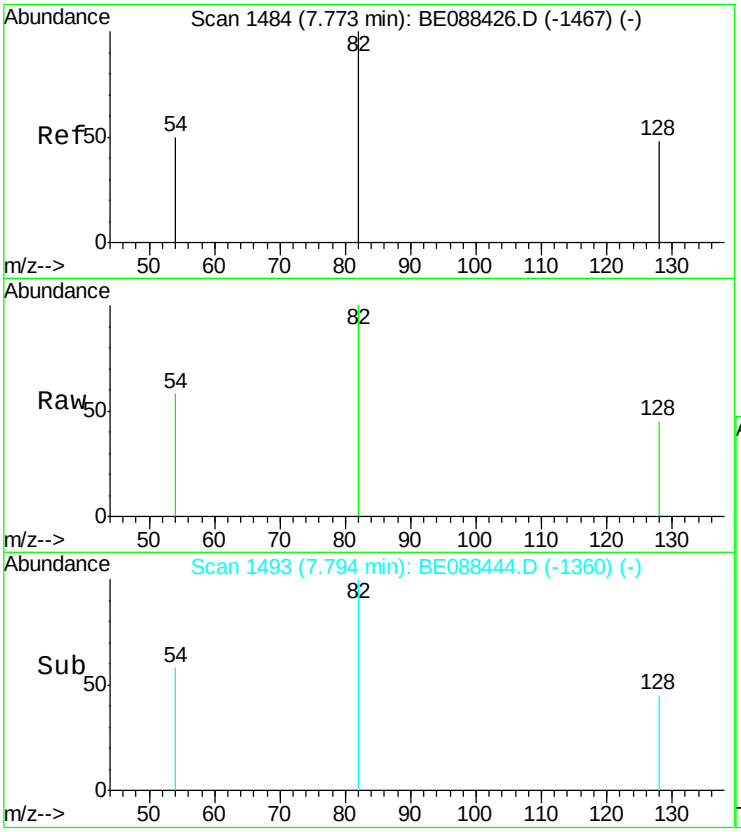


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:136 Resp: 133069

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.5	5.3	7.9

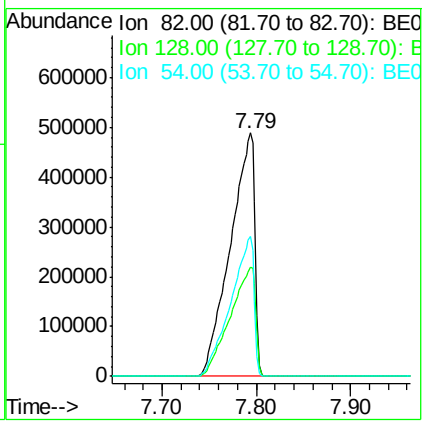




#4
Nitrobenzene-d5
Concen: 90.05 ng
RT: 7.79 min Scan# 1493
Delta R.T. 0.02 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion: 82 Resp: 878797

Ion	Ratio	Lower	Upper
82	100		
128	45.0	38.4	57.6
54	57.7	40.2	60.2



Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

Manual Integrations APPROVED
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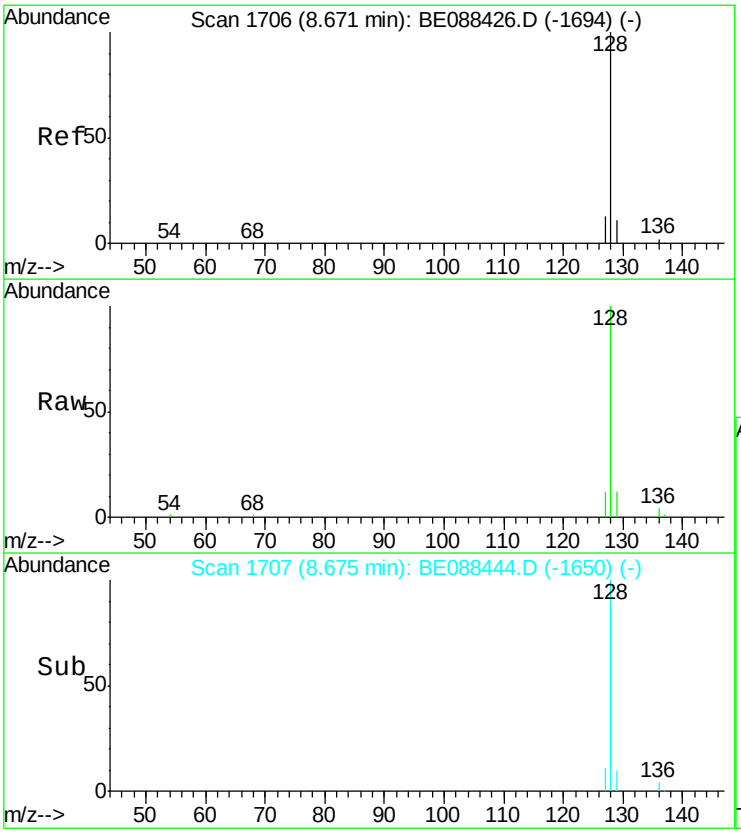
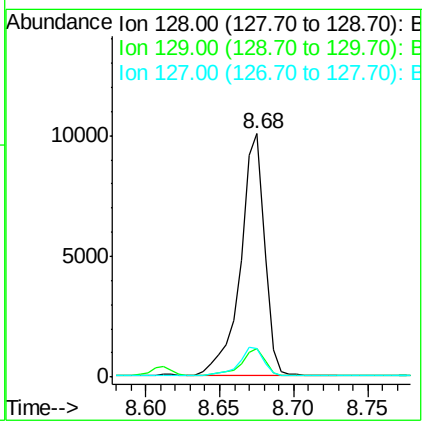
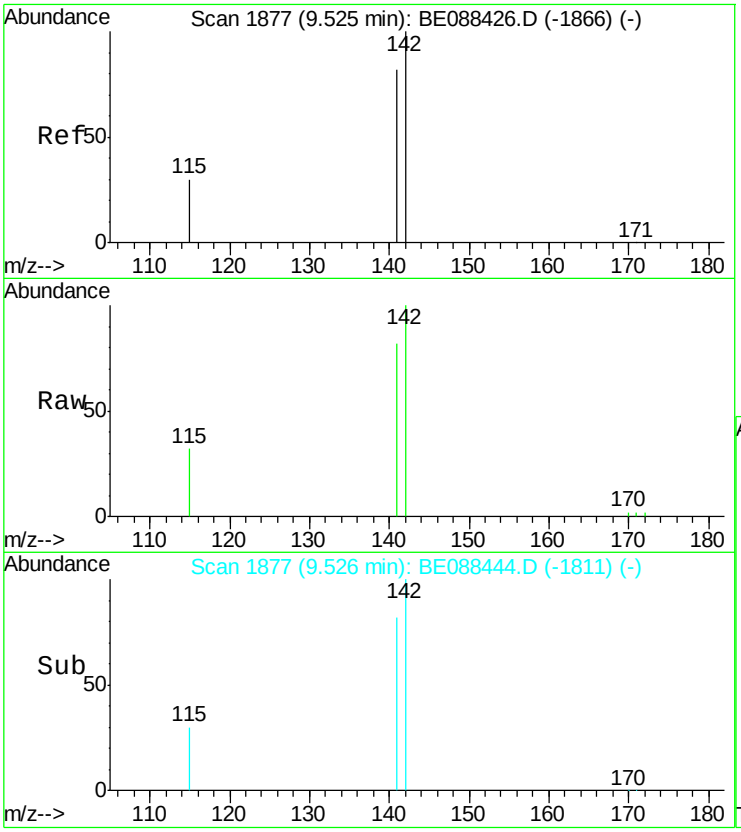


#5
Naphthalene
Concen: 0.40 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:128 Resp: 11148

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	12.8
127	12.0	10.1	15.1

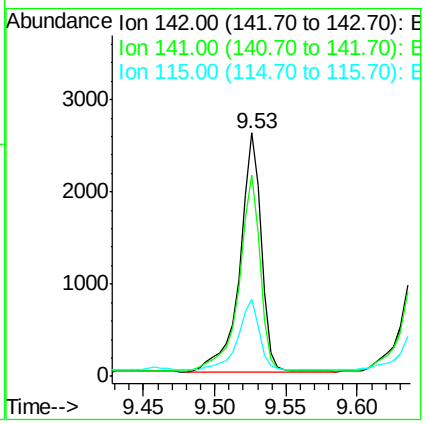




#6
2-Methylnaphthalene
Concen: 0.16 ng
RT: 9.53 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:142 Resp: 2727

Ion	Ratio	Lower	Upper
142	100		
141	82.5	65.8	98.8
115	31.7	24.2	36.4



Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

Manual Integrations APPROVED
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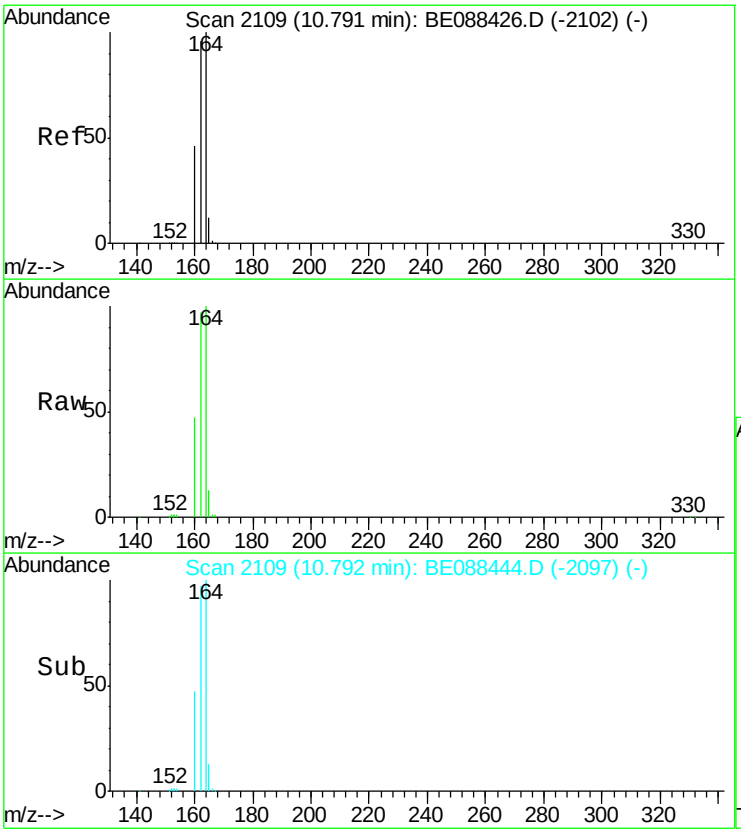
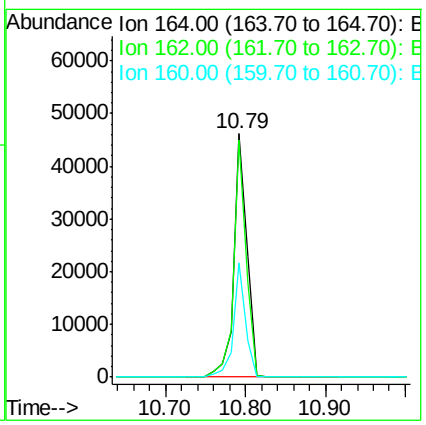
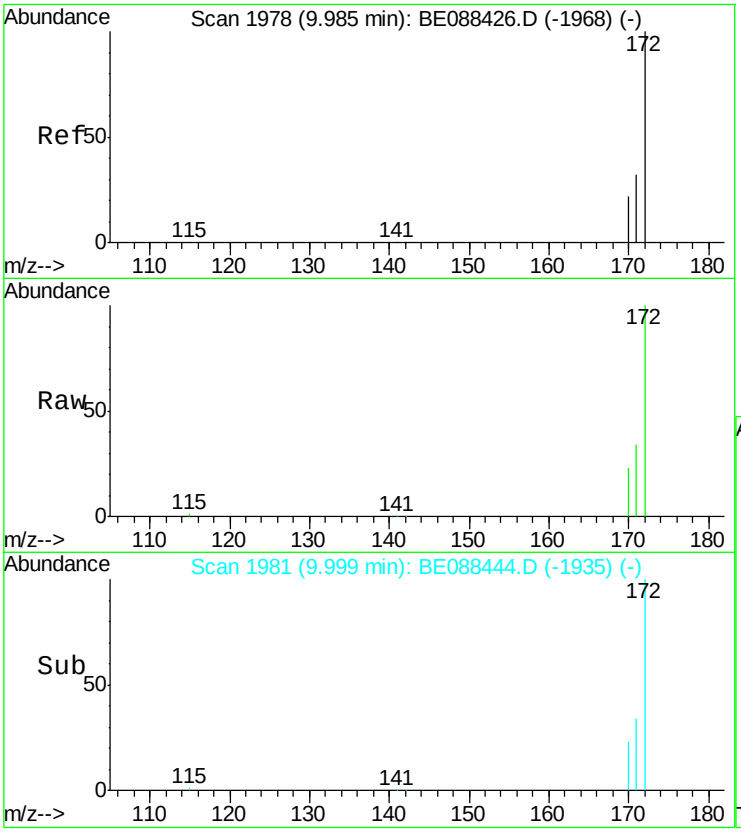


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.79 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:164 Resp: 53638

Ion	Ratio	Lower	Upper
164	100		
162	97.4	77.0	115.4
160	46.9	36.8	55.2





#8
2-Fluorobiphenyl
Concen: 59.55 ng
RT: 10.00 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:172 Resp: 900354

Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.0	39.0
170	23.4	17.6	26.4

Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

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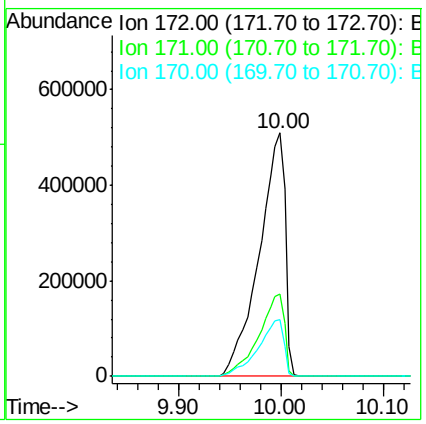
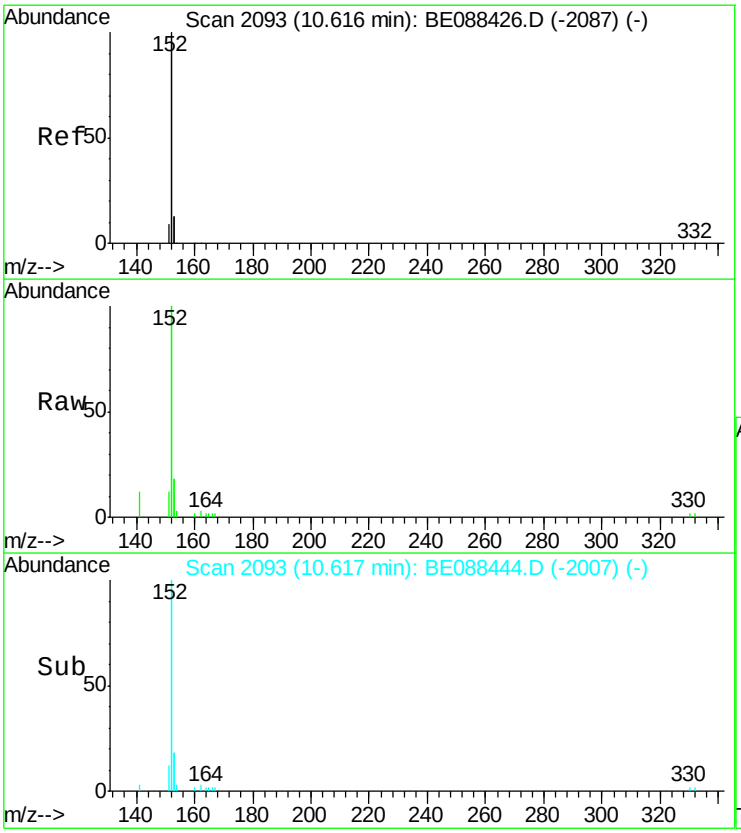
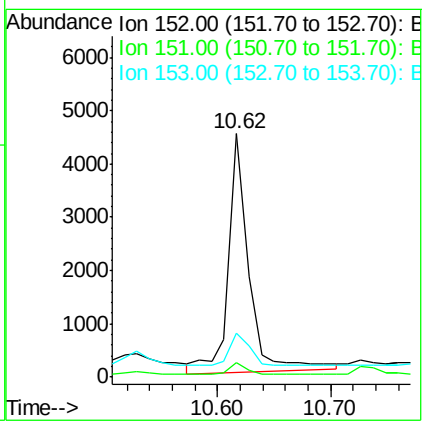


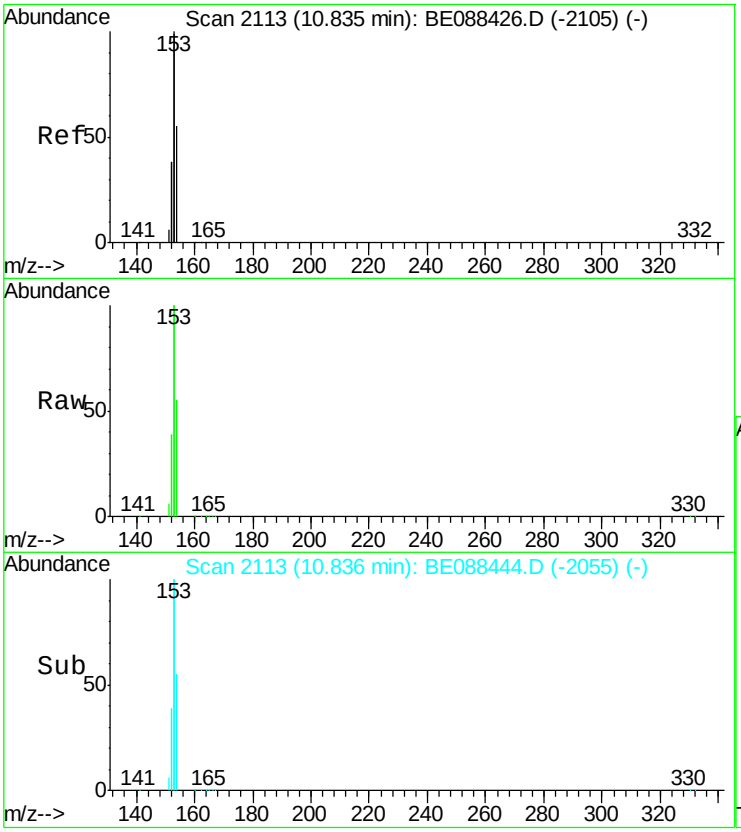


#9
Acenaphthylene
Concen: 0.06 ng
RT: 10.62 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:152 Resp: 5628

Ion	Ratio	Lower	Upper
152	100		
151	7.9	4.4	6.6#
153	0.0	10.5	15.7#

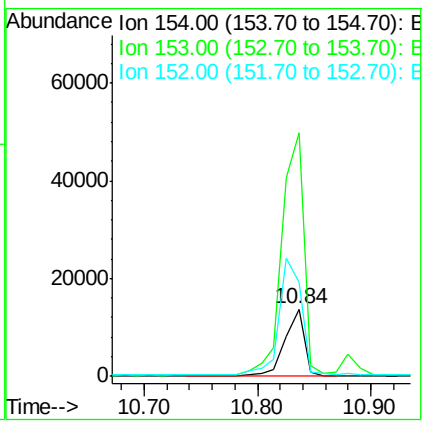




#10
Acenaphthene
Concen: 1.28 ng
RT: 10.84 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:154 Resp: 16537

Ion	Ratio	Lower	Upper
154	100		
153	405.2	324.3	486.5
152	200.9	154.9	232.3



Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

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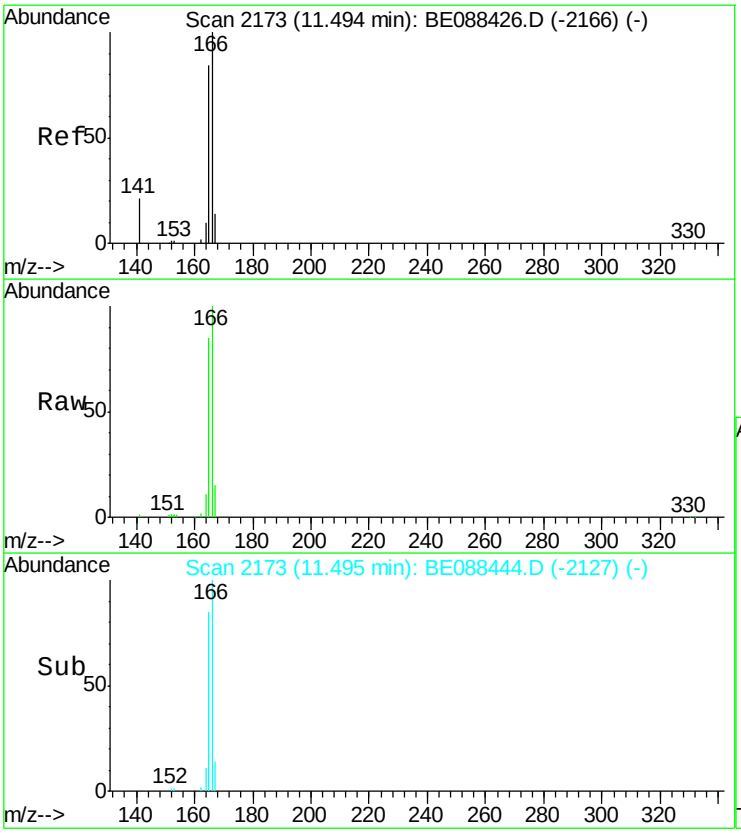
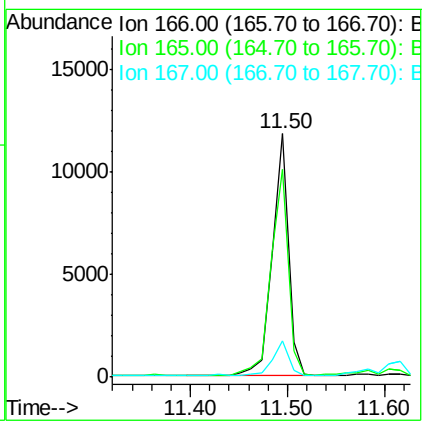
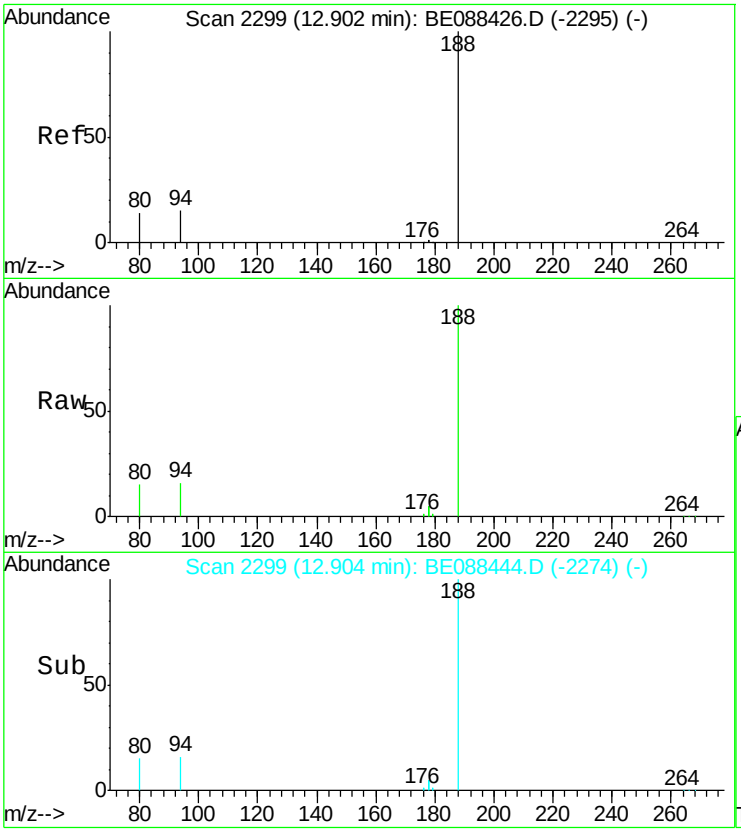


#11
Fluorene
Concen: 1.02 ng
RT: 11.50 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:166 Resp: 13875

Ion	Ratio	Lower	Upper
166	100		
165	89.8	71.3	106.9
167	15.2	10.7	16.1

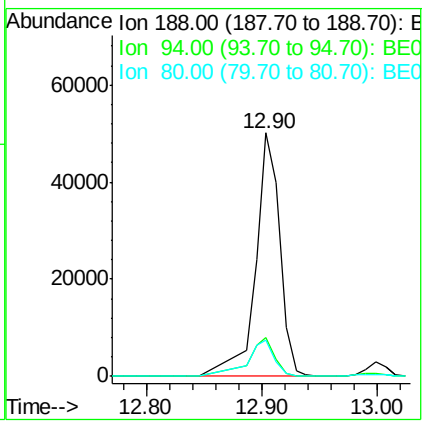




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:188 Resp: 92595

Ion	Ratio	Lower	Upper
188	100		
94	16.1	11.8	17.8
80	15.0	10.9	16.3



Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

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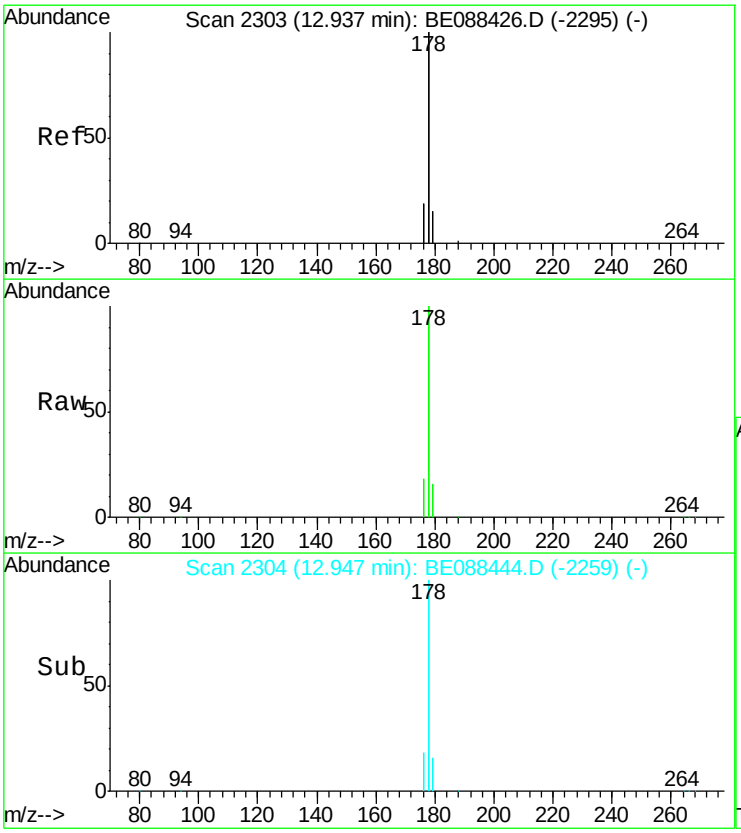
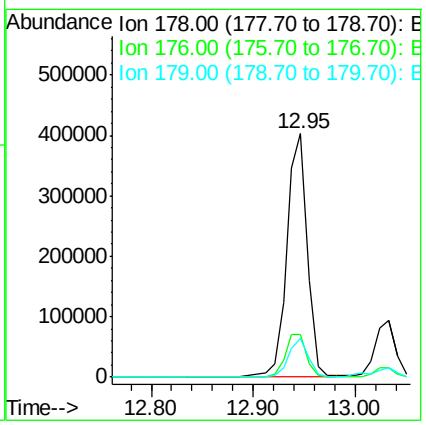
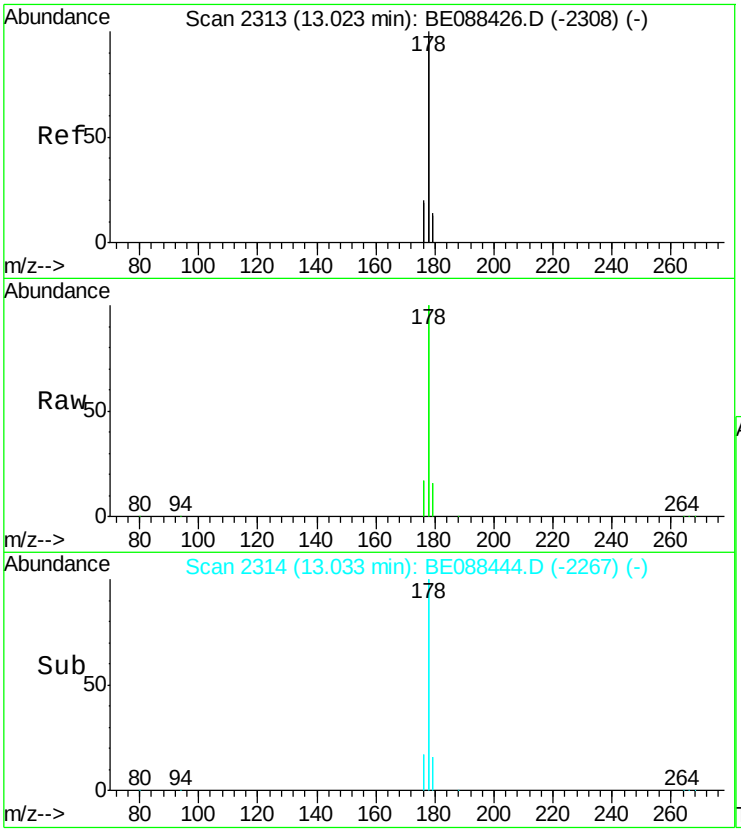


#13
Phenanthrene
Concen: 8.76 ng
RT: 12.95 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:178 Resp: 737351

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.6	12.8	19.2





#14
Anthracene
Concen: 1.93 ng m
RT: 13.03 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:178 Resp: 131426

Ion	Ratio	Lower	Upper
178	100		
176	106.1	15.0	22.4#
179	87.3	12.5	18.7#

Instrument :
BNA_E
ClientSampleId :
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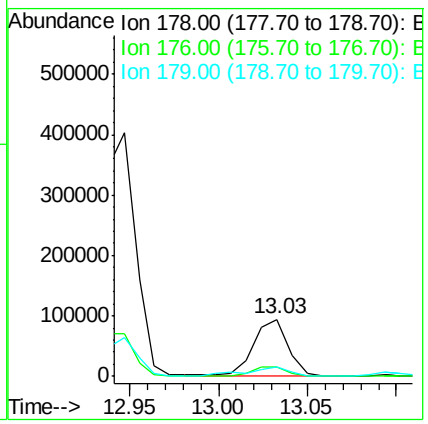
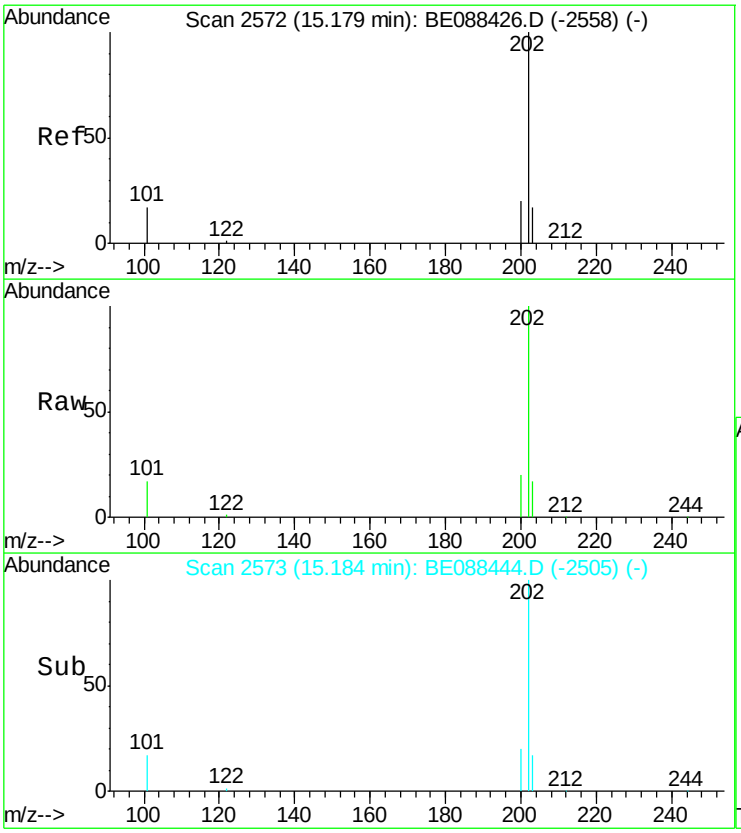
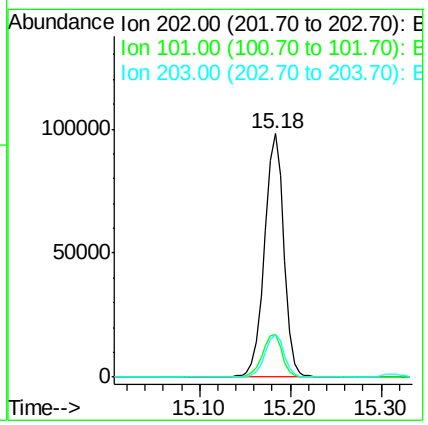


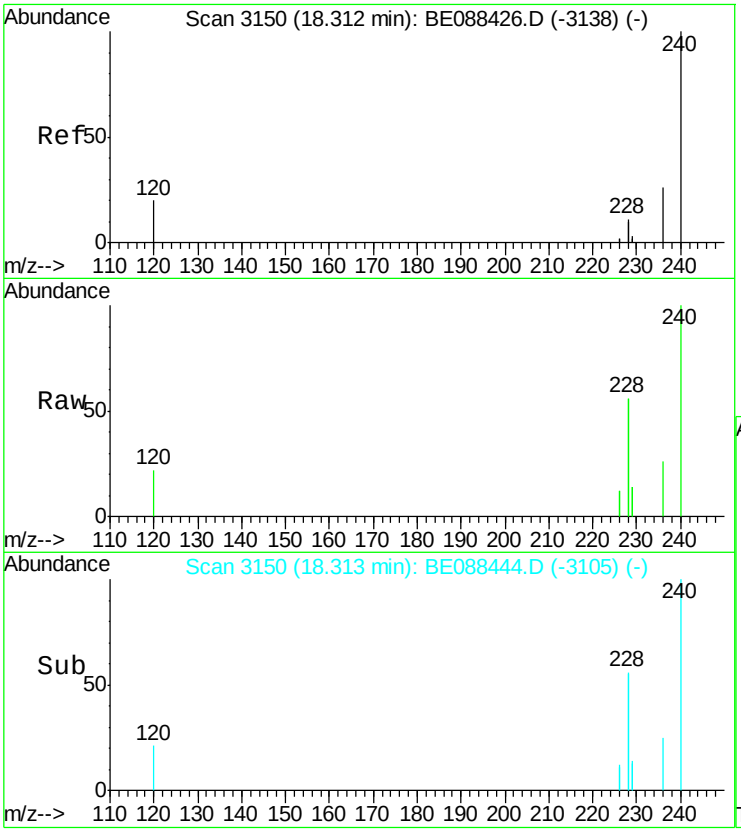


#15
Fluoranthene
Concen: 10.59 ng
RT: 15.18 min Scan# 2573
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:202 Resp: 144663

Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.3	21.5
203	17.2	13.6	20.4





#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

Manual Integrations APPROVED
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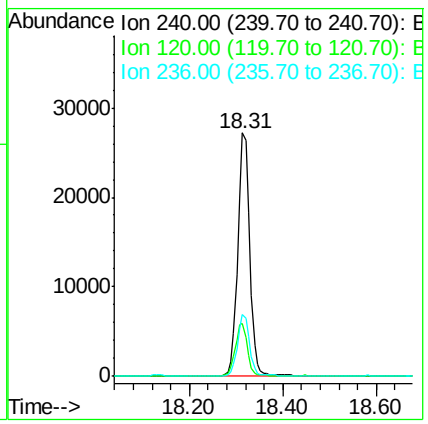
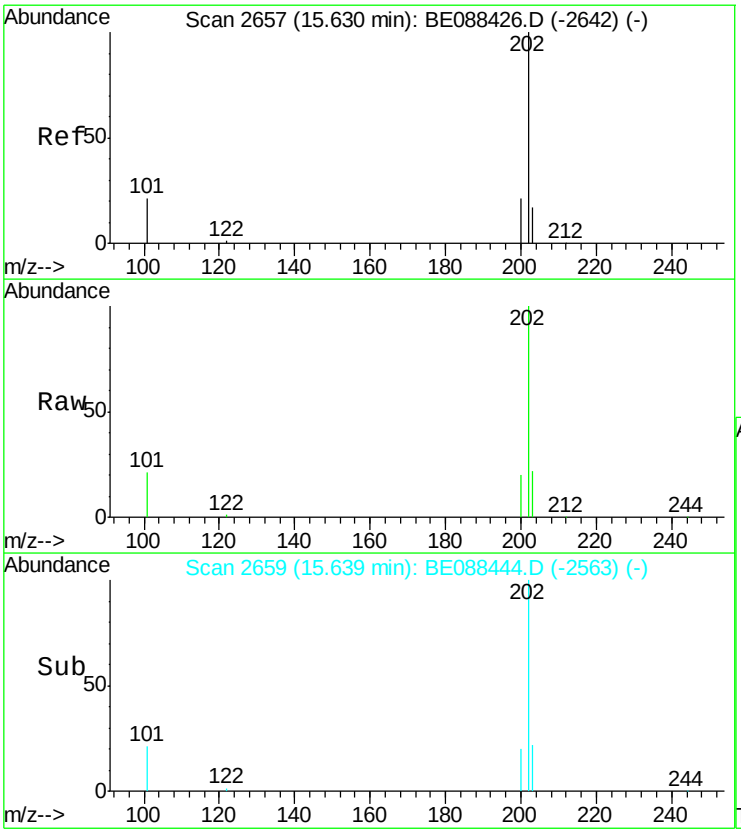
11/4/2014 9:06:53 AM

Tgt Ion:240 Resp: 48411

Ion	Ratio	Lower	Upper
240	100		
120	21.5	16.4	24.6
236	25.7	20.5	30.7

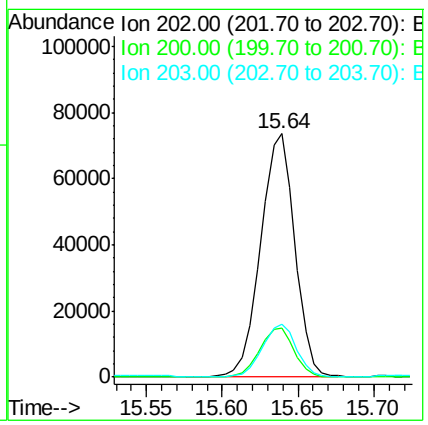


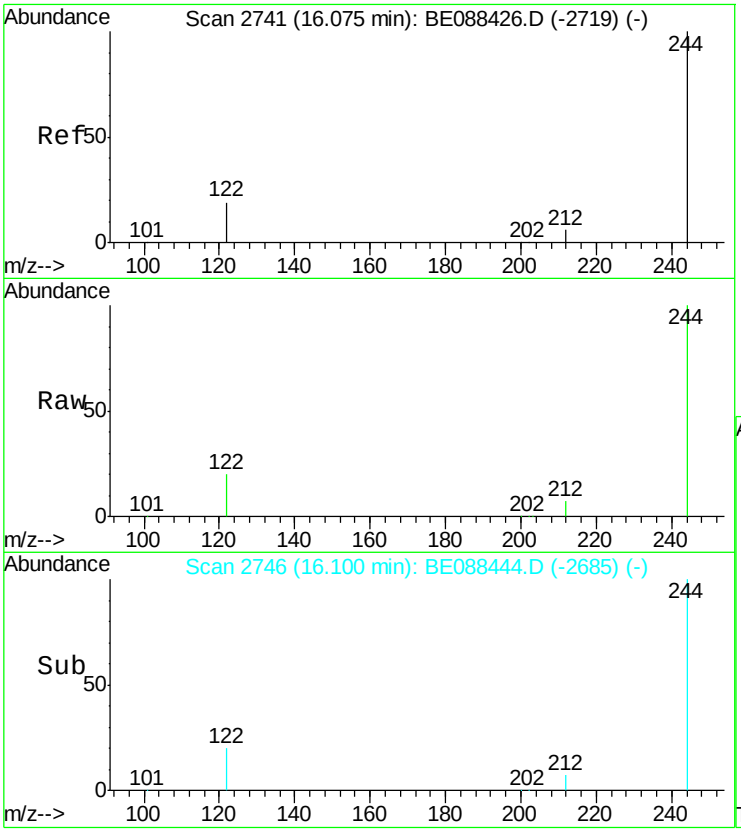


#17
Pyrene
Concen: 7.34 ng m
RT: 15.64 min Scan# 2659
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:202 Resp: 115903

Ion	Ratio	Lower	Upper
202	100		
200	24.8	16.1	24.1#
203	21.5	13.8	20.8#

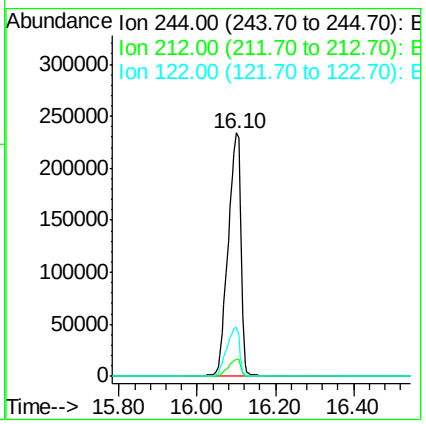




#18
Terphenyl-d14
Concen: 60.06 ng
RT: 16.10 min Scan# 2746
Delta R.T. 0.03 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:244 Resp: 534158

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	20.3	15.6	23.4



Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

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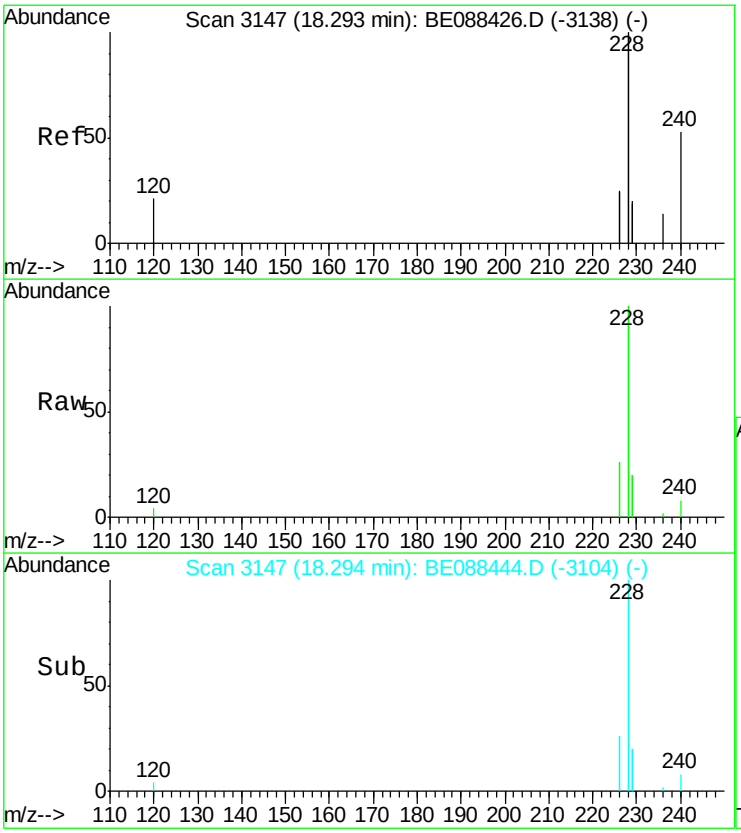
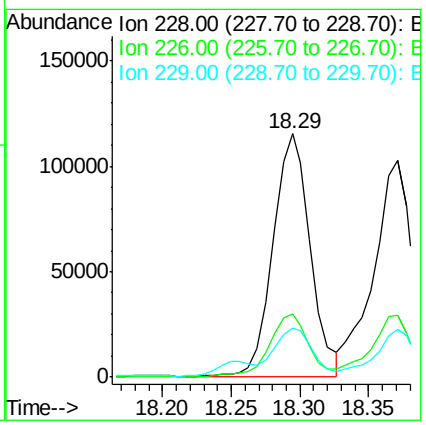
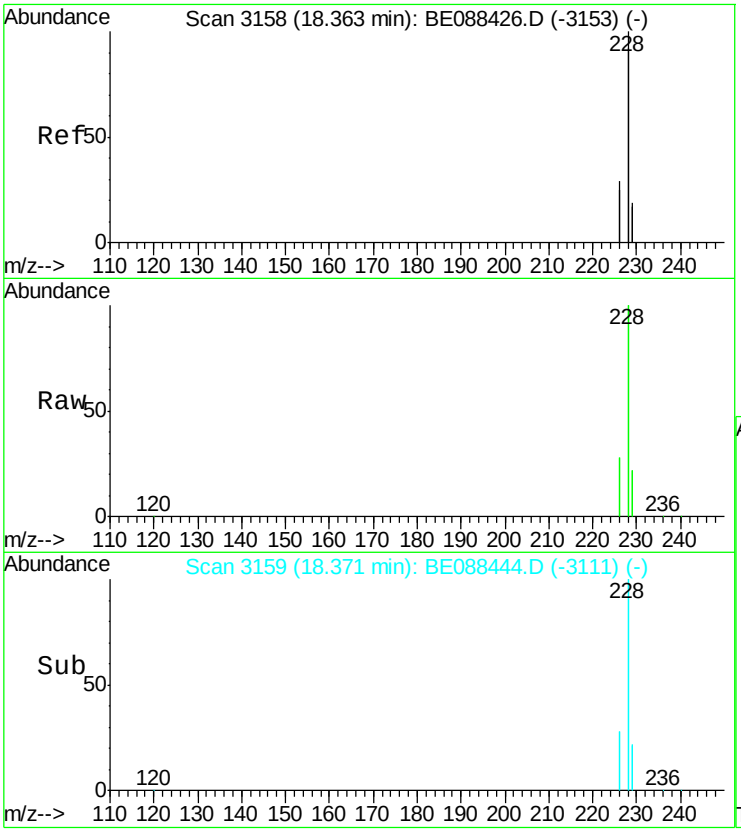


#19
Benzo(a)anthracene
Concen: 4.75 ng
RT: 18.29 min Scan# 3147
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:228 Resp: 216463

Ion	Ratio	Lower	Upper
228	100		
226	26.2	19.8	29.6
229	20.4	16.0	24.0





#20
Chrysene
Concen: 4.51 ng
RT: 18.37 min Scan# 3159
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:228 Resp: 201833

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.6	35.4
229	21.9	15.4	23.2

Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014

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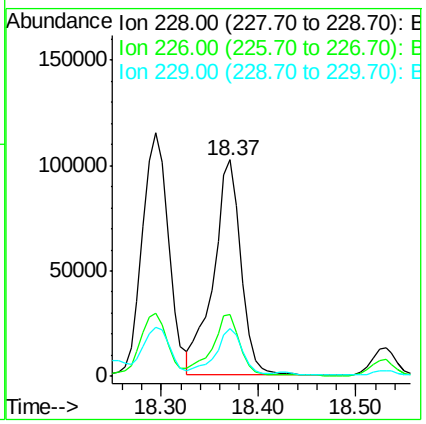
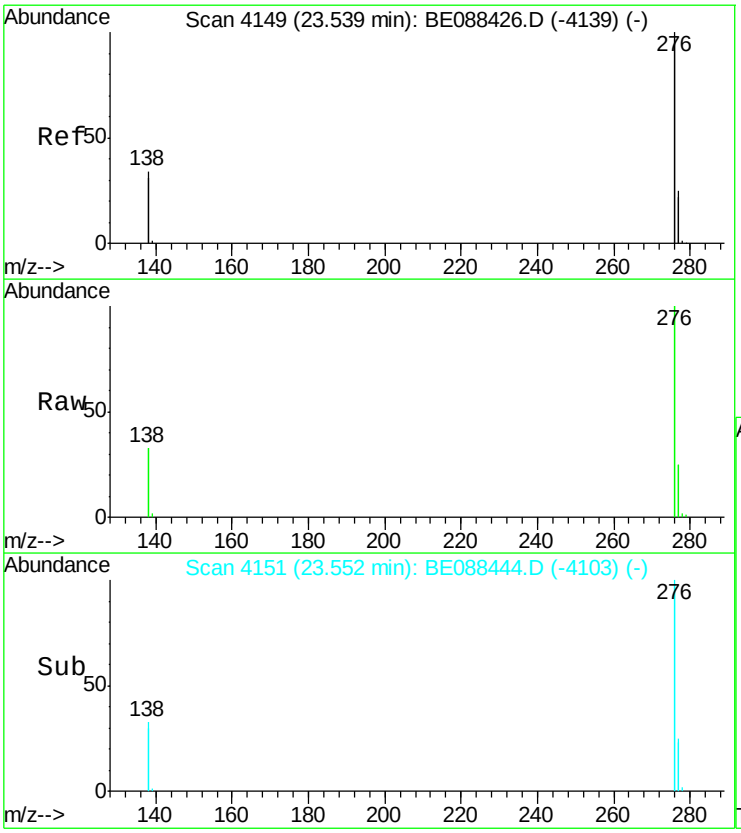
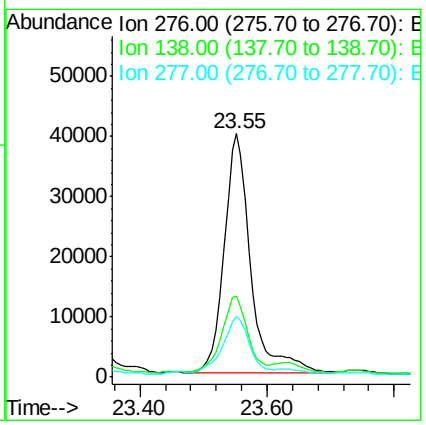


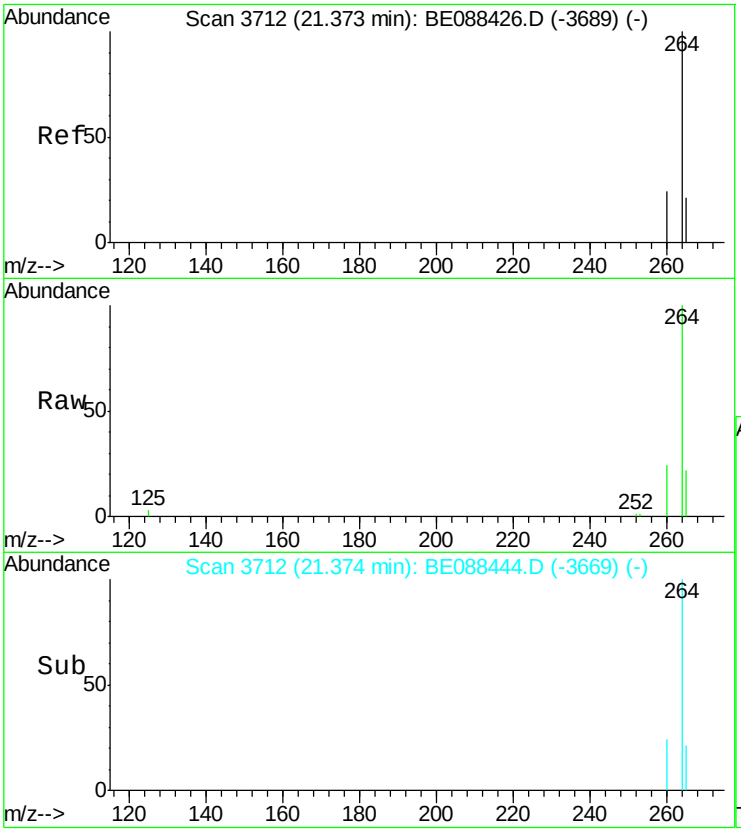


#21
Indeno(1,2,3-cd)pyrene
Concen: 2.76 ng
RT: 23.55 min Scan# 4151
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:276 Resp: 115037

Ion	Ratio	Lower	Upper
276	100		
138	32.6	20.2	30.2#
277	22.7	14.8	22.2#





#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3712
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:264 Resp: 43930

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.7	17.2	25.8

Instrument :
BNA_E
ClientSampleId :
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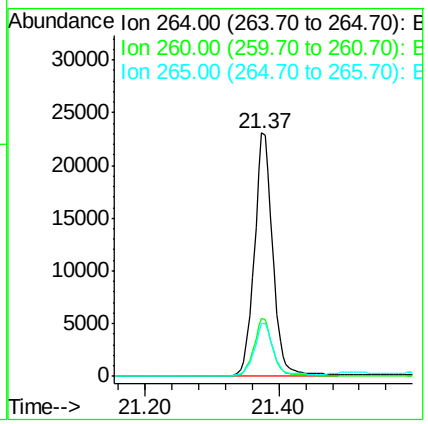
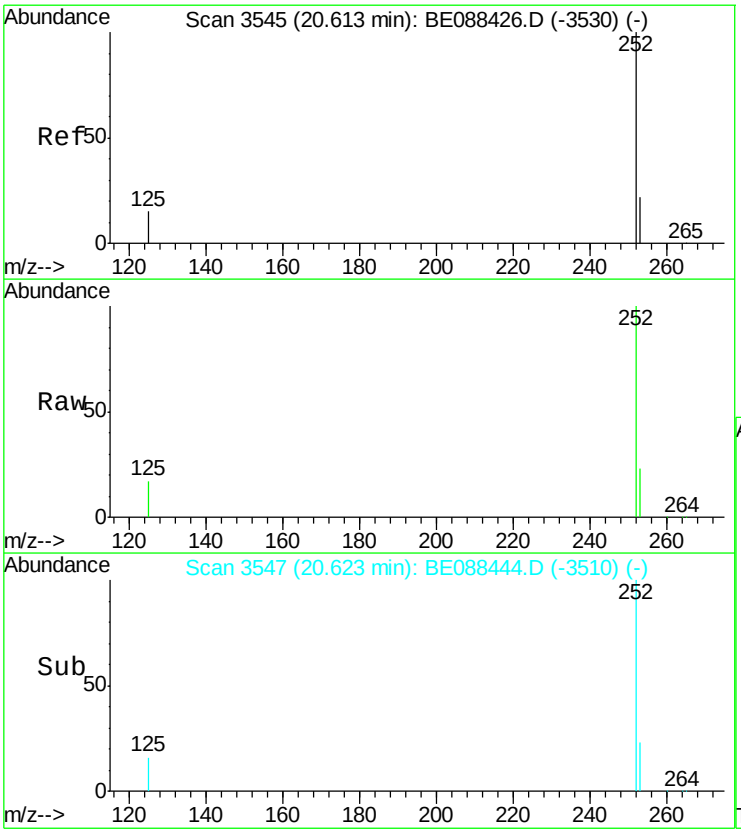
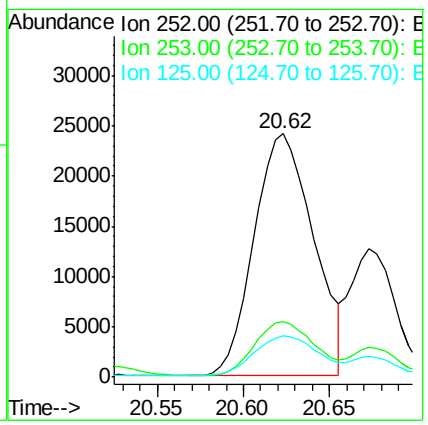


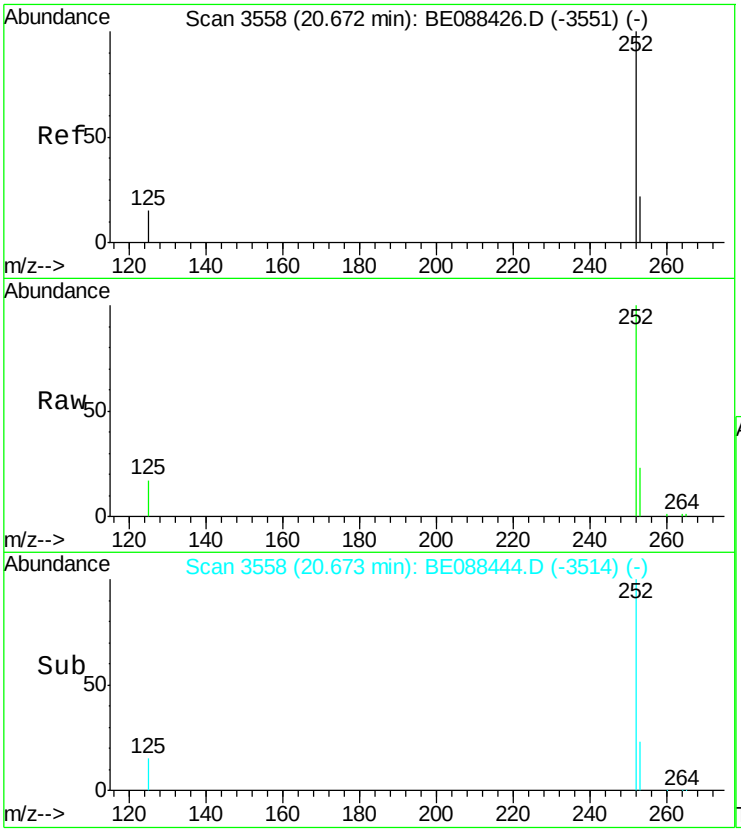


#23
Benzo(b)fluoranthene
Concen: 6.01 ng
RT: 20.62 min Scan# 3547
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:252 Resp: 57910

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	16.9	12.3	18.5

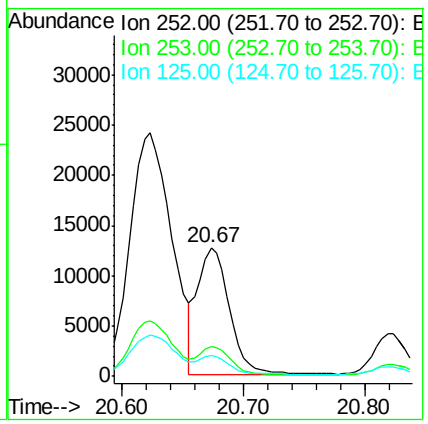




#24
Benzo(k)fluoranthene
Concen: 2.23 ng
RT: 20.67 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:252 Resp: 23620

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	16.5	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
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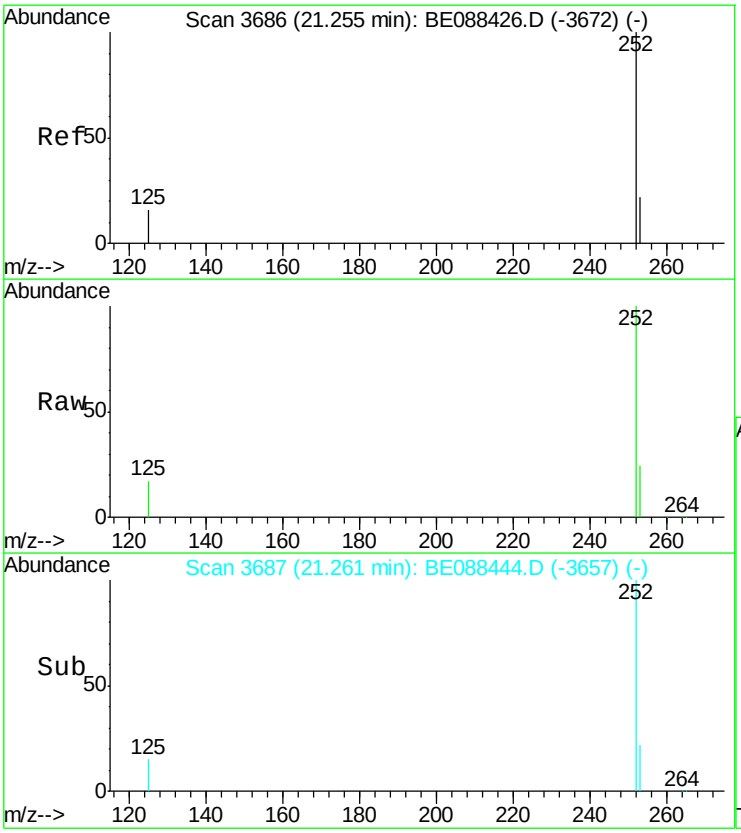
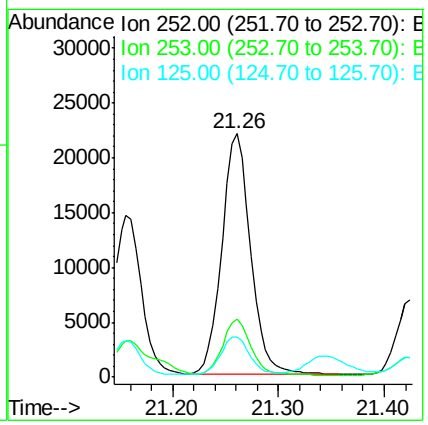
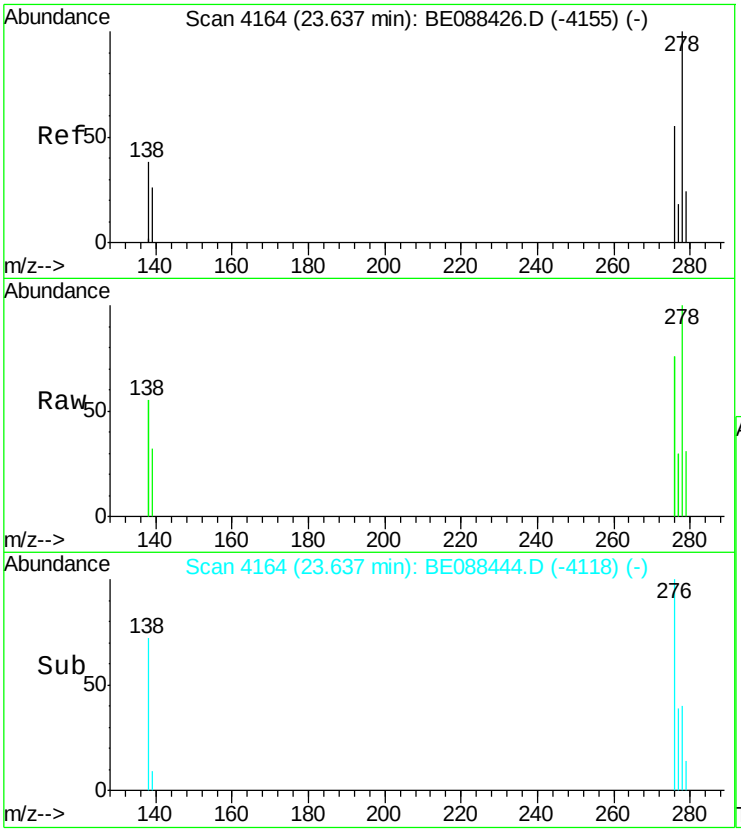


#25
Benzo(a)pyrene
Concen: 4.47 ng
RT: 21.26 min Scan# 3687
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:252 Resp: 41339

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	16.6	13.7	20.5





#26
Dibenzo(a,h)anthracene
Concen: 0.67 ng m
RT: 23.64 min Scan# 4164
Delta R.T. -0.00 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:278 Resp: 5794

Ion	Ratio	Lower	Upper
278	100		
139	31.9	22.1	33.1
279	31.1	19.7	29.5#

Instrument :
BNA_E
ClientSampleId :
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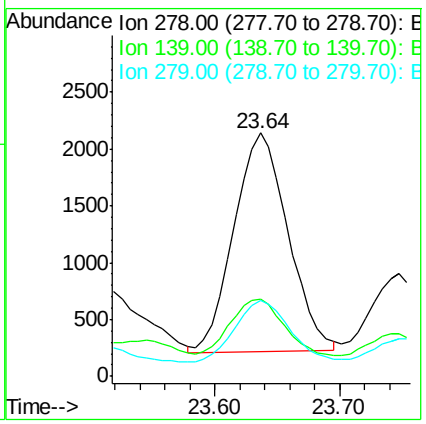

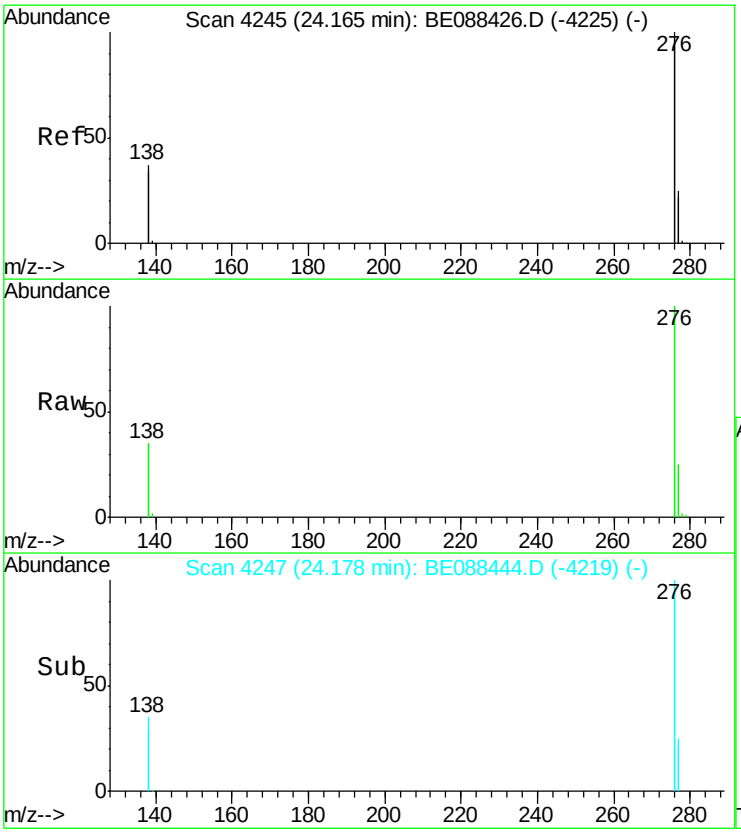

#27
Benzo(g,h,i)perylene
Concen: 2.69 ng
RT: 24.18 min Scan# 4247
Delta R.T. 0.01 min
Lab File: BE088444.D
Acq: 1 Nov 2014 4:12

Tgt Ion:276 Resp: 106068

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.6
138	35.4	29.3	43.9