Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088447.D
Acq On : 1 Nov 2014 5:53
Operator : TP/JJ
Sample : F4379-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SS32-1014MS

Manual Integrations APPROVED
mohammad
11/4/2014 9:07:06 AM

Quant Time: Nov 01 06:00:54 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	40537	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	141219	5.00	ng	0.00
7) Acenaphthene-d10	10.80	164	54262	5.00	ng	0.01
12) Phenanthrene-d10	12.91	188	95995	5.00	ng	0.00
16) Chrysene-d12	18.34	240	49077	5.00	ng	0.03
22) Perylene-d12	21.40	264	49342	5.00	ng	0.03
System Monitoring Compounds						
4) Nitrobenzene-d5	7.78	82	90776	8.77	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	132174	8.64	ng	0.00
18) Terphenyl-d14	16.08	244	74048	8.21	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.38	88	44728	8.43	ng	97
5) Naphthalene	8.68	128	263387	9.01	ng	98
6) 2-Methylnaphthalene	9.53	142	151489	8.37	ng	98
9) Acenaphthylene	10.63	152	695790	7.92	ng	99
10) Acenaphthene	10.84	154	113591	8.72	ng	99
11) Fluorene	11.50	166	124974	9.04	ng	99
13) Phenanthrene	12.96	178	2094157	24.01	ng	100
14) Anthracene	13.04	178	783500	11.12	ng	97
15) Fluoranthene	15.21	202	460343	32.51	ng	99
17) Pyrene	15.66	202	403525	25.21	ng	96
19) Benzo(a)anthracene	18.32	228	1010415	21.87	ng	98
20) Chrysene	18.40	228	901300	19.87	ng	98
21) Indeno(1,2,3-cd)pyrene	23.60	276	834491m	19.74	ng	
23) Benzo(b)fluoranthene	20.65	252	267157	24.69	ng	100
24) Benzo(k)fluoranthene	20.70	252	164904	13.84	ng	99
25) Benzo(a)pyrene	21.29	252	208423	20.06	ng	99
26) Dibenzo(a,h)anthracene	23.69	278	110660	11.47	ng	97
27) Benzo(g,h,i)perylene	24.24	276	751308	16.98	ng	97

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

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Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

Manual Integrations APPROVED
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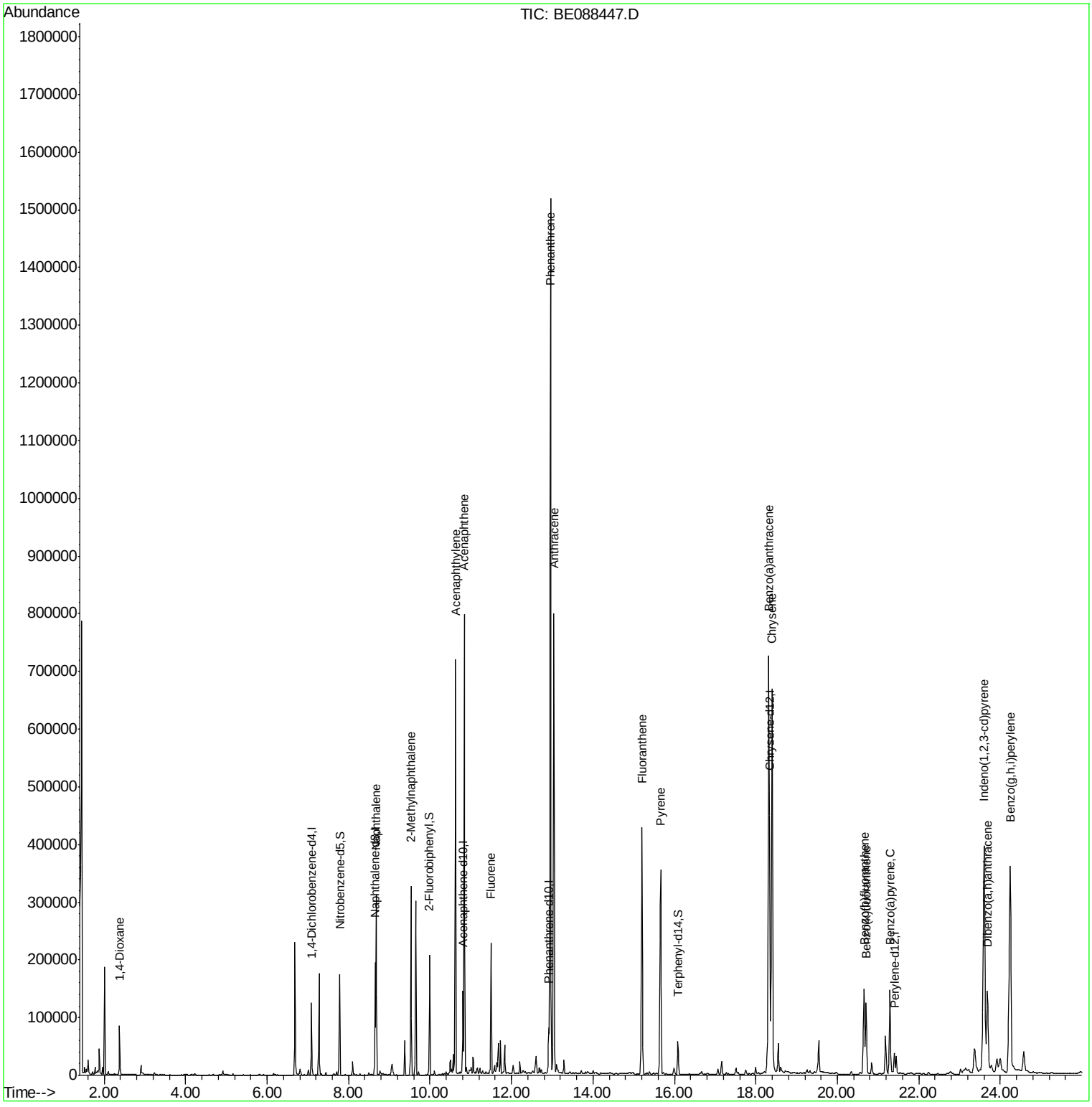
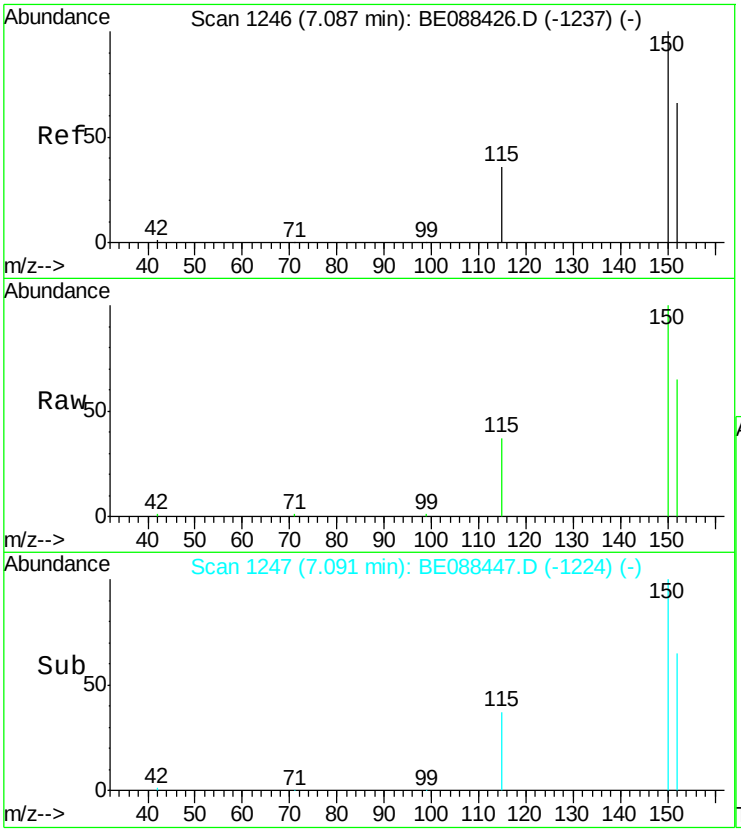
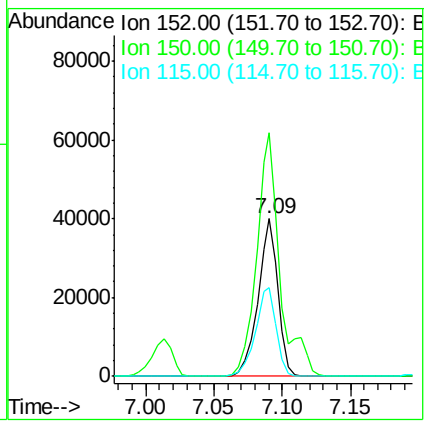




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:152 Resp: 40537

Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.8	182.8
115	56.7	43.9	65.9



Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

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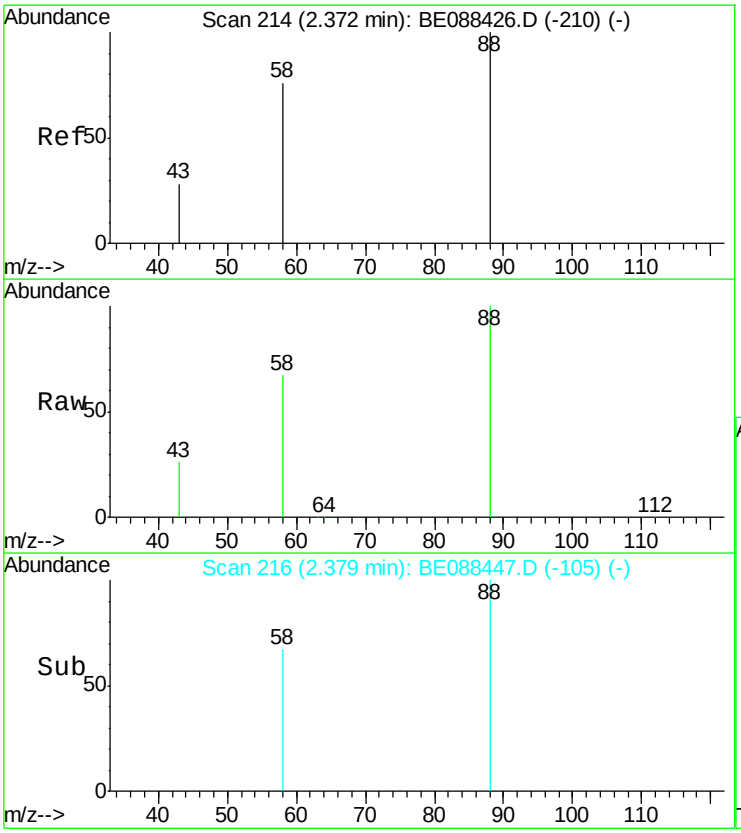
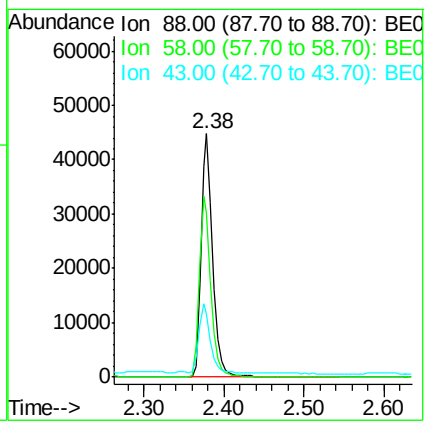
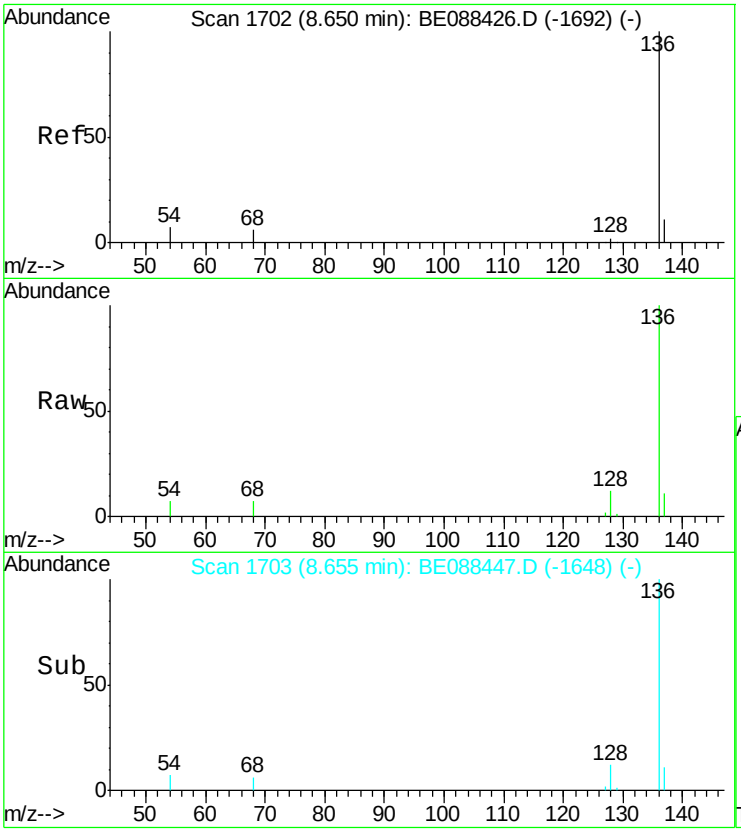


#2
1,4-Dioxane
Concen: 8.43 ng
RT: 2.38 min Scan# 216
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion: 88 Resp: 44728

Ion	Ratio	Lower	Upper
88	100		
58	75.2	59.1	88.7
43	30.8	21.9	32.9

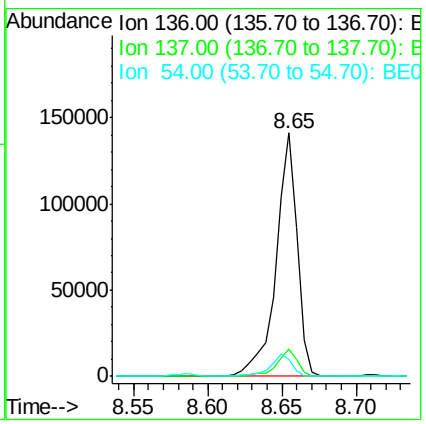




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:136 Resp: 141219

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.0	5.3	7.9



Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

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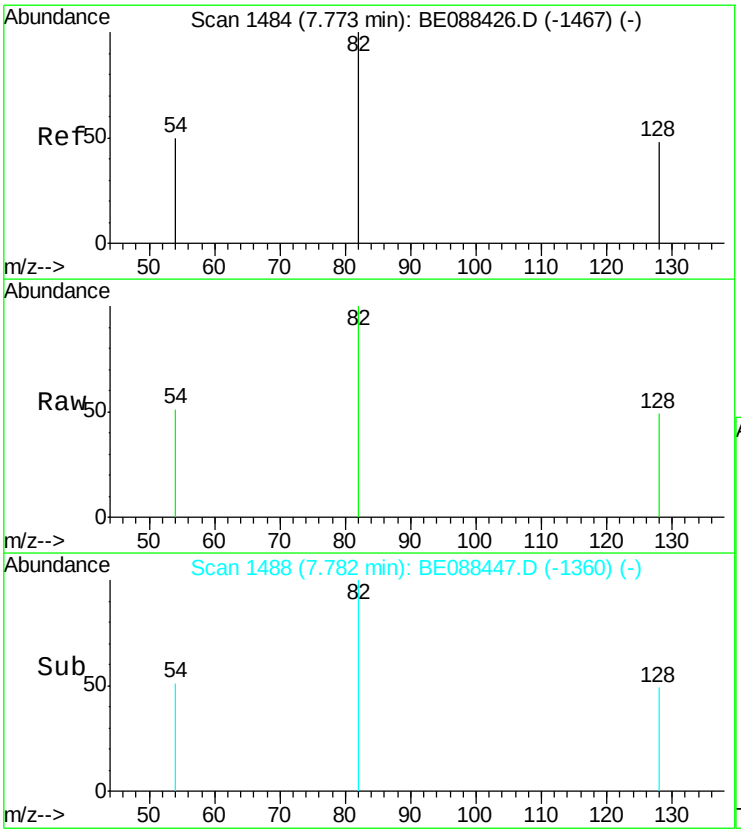
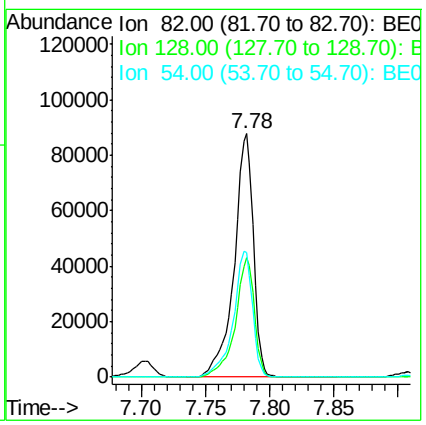
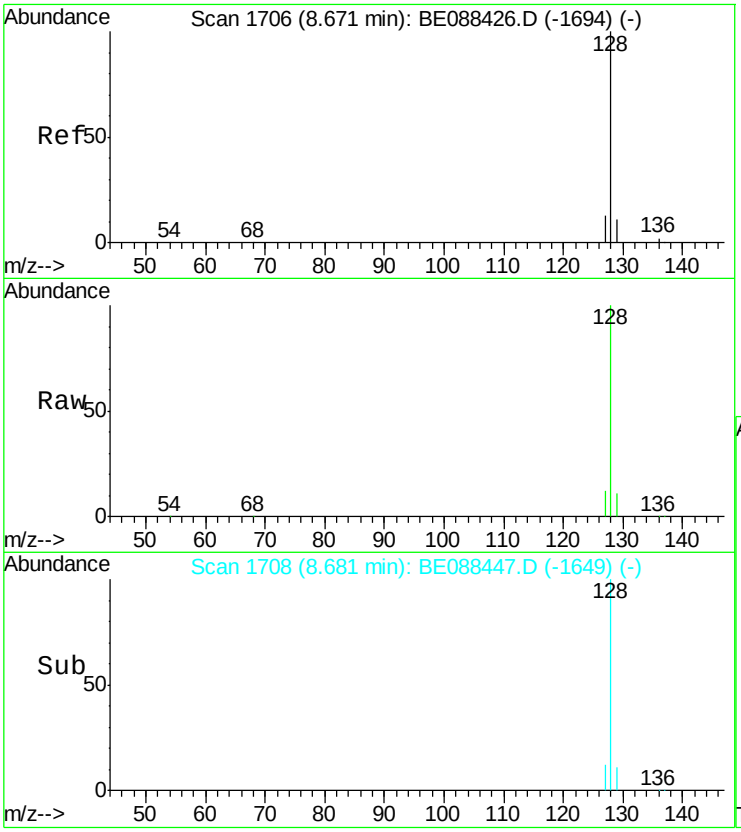


#4
Nitrobenzene-d5
Concen: 8.77 ng
RT: 7.78 min Scan# 1488
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion: 82 Resp: 90776

Ion	Ratio	Lower	Upper
82	100		
128	48.9	38.4	57.6
54	51.2	40.2	60.2

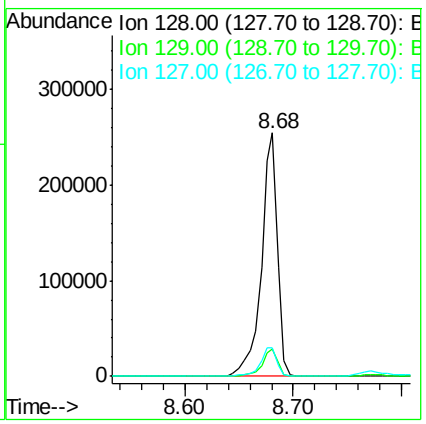




#5
Naphthalene
Concen: 9.01 ng
RT: 8.68 min Scan# 1708
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:128 Resp: 263387

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	11.9	10.1	15.1



Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

Manual Integrations APPROVED
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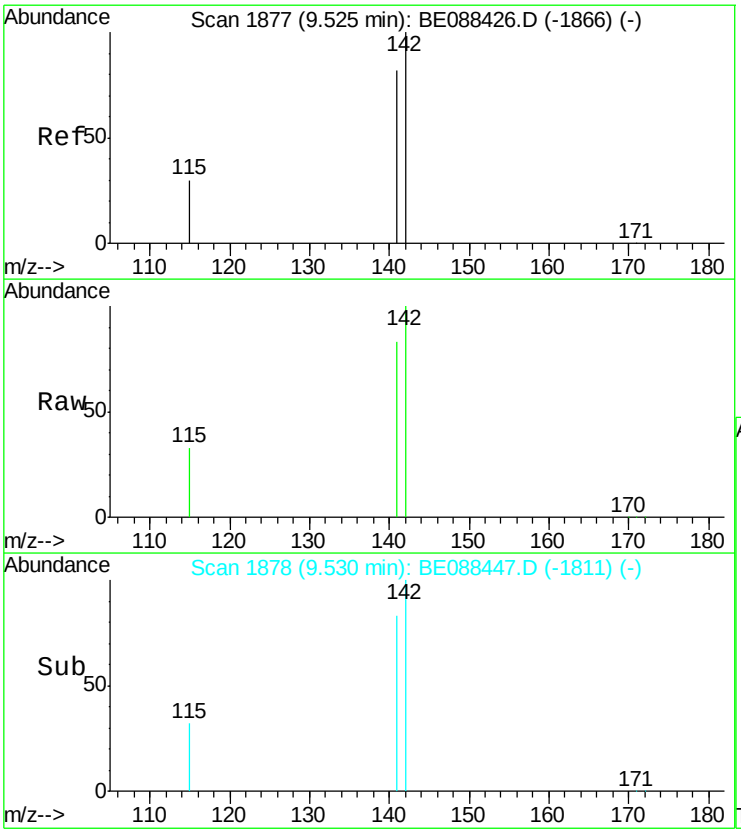
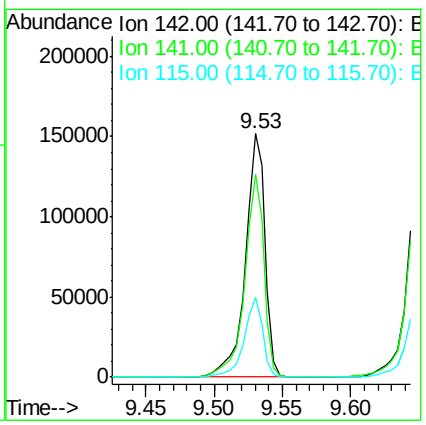
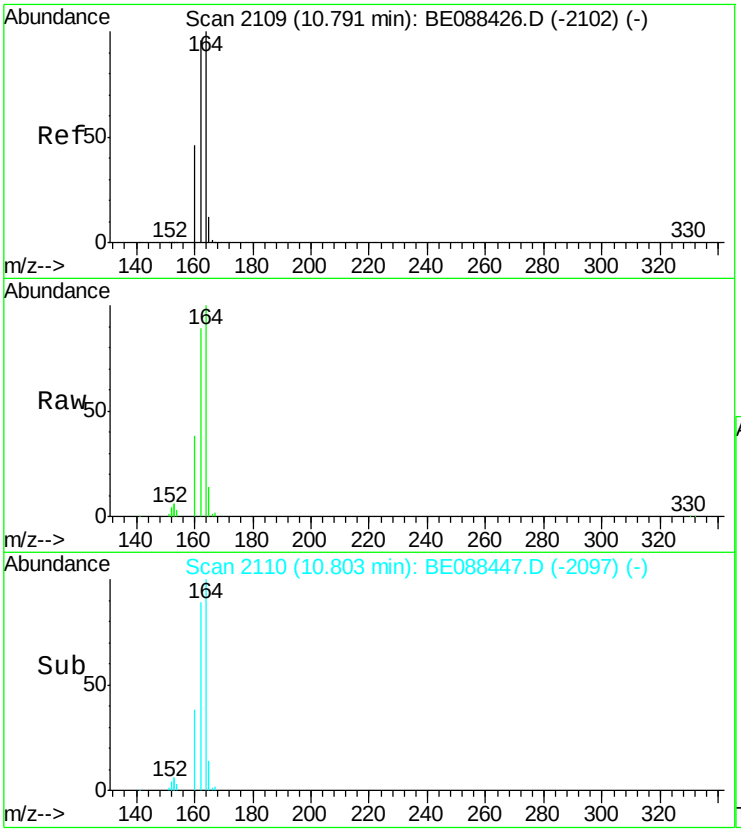


#6
2-Methylnaphthalene
Concen: 8.37 ng
RT: 9.53 min Scan# 1878
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:142 Resp: 151489

Ion	Ratio	Lower	Upper
142	100		
141	83.4	65.8	98.8
115	32.6	24.2	36.4

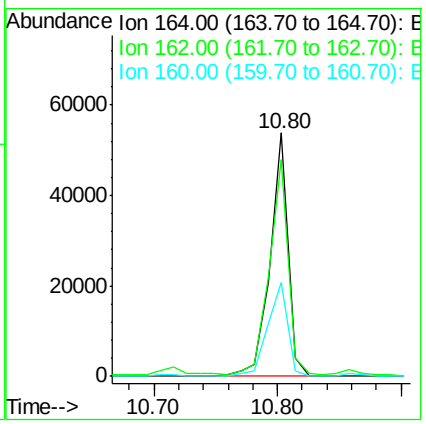




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.80 min Scan# 2110
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:164 Resp: 54262

Ion	Ratio	Lower	Upper
164	100		
162	89.2	77.0	115.4
160	38.5	36.8	55.2



Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

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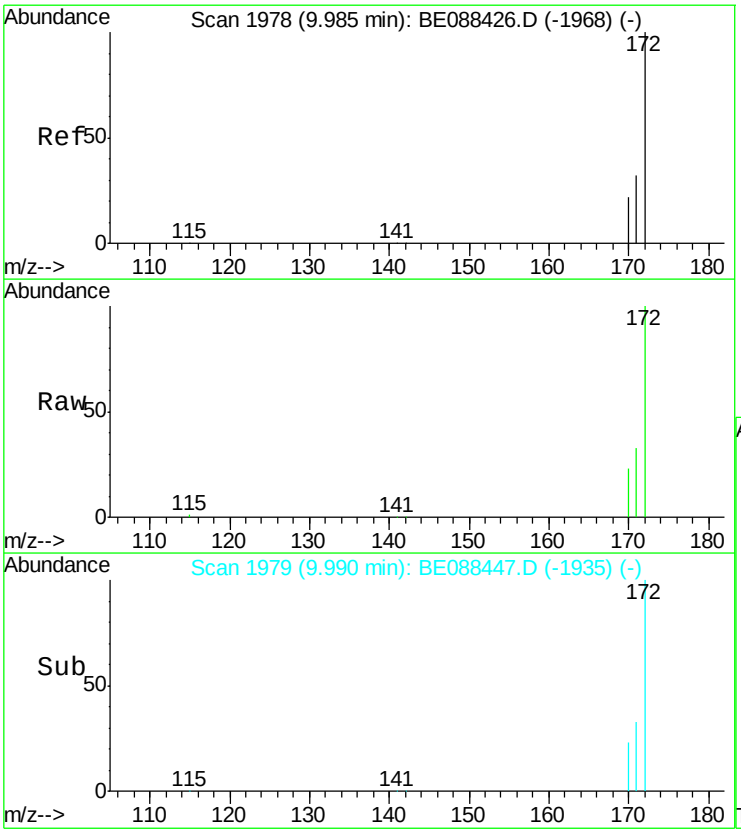
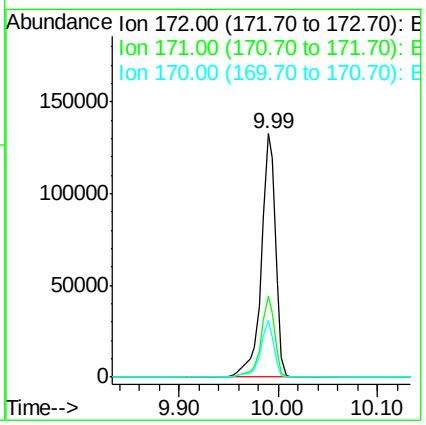
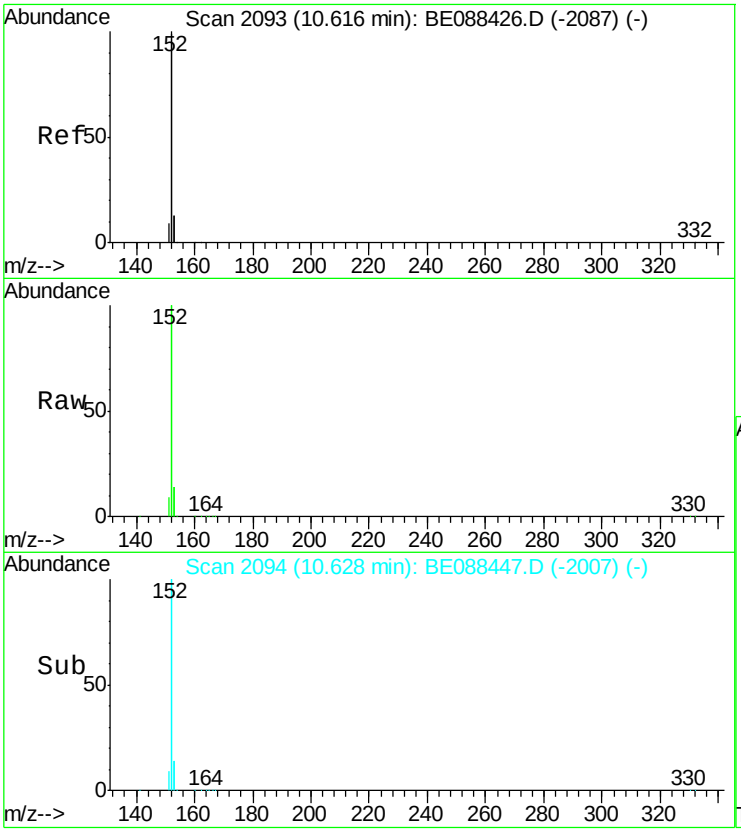


#8
2-Fluorobiphenyl
Concen: 8.64 ng
RT: 9.99 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:172 Resp: 132174

Ion	Ratio	Lower	Upper
172	100		
171	33.1	26.0	39.0
170	23.2	17.6	26.4

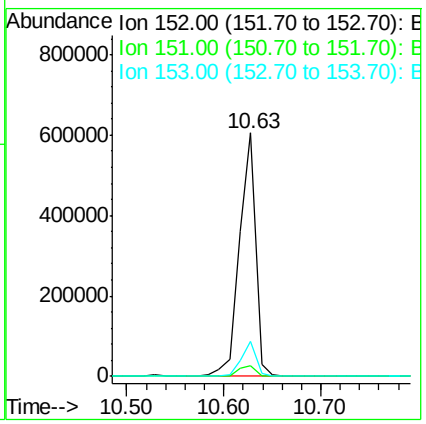




#9
Acenaphthylene
Concen: 7.92 ng
RT: 10.63 min Scan# 2094
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:152 Resp: 695790

Ion	Ratio	Lower	Upper
152	100		
151	4.7	4.4	6.6
153	13.1	10.5	15.7



Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

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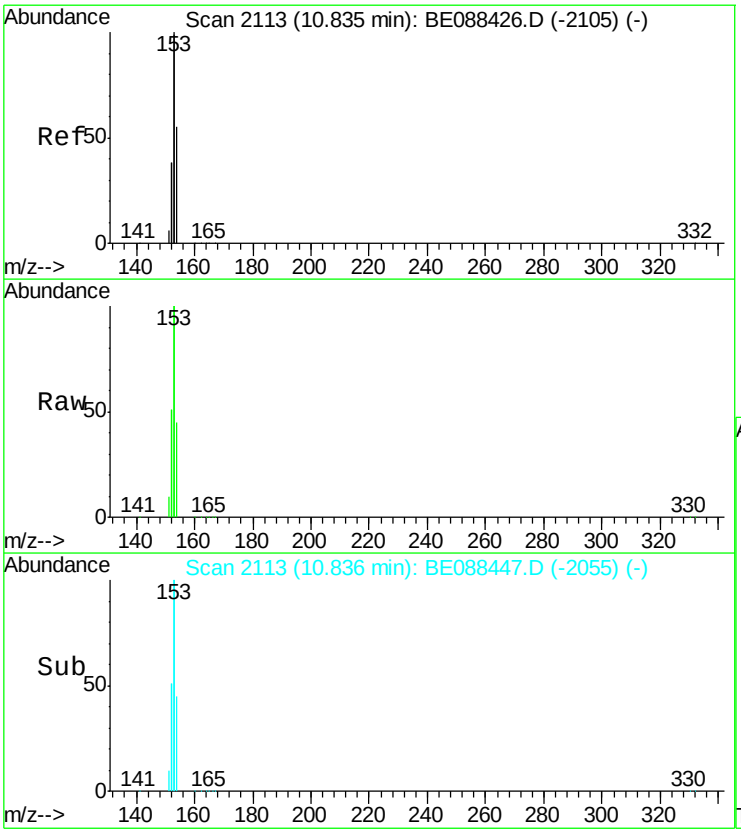
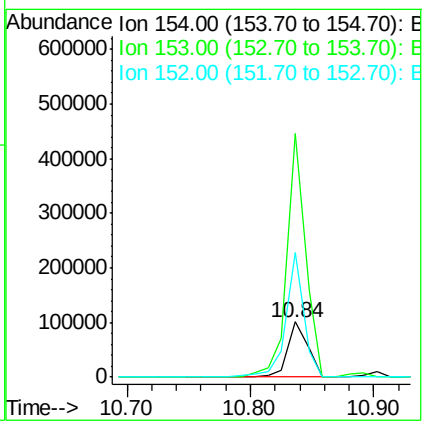
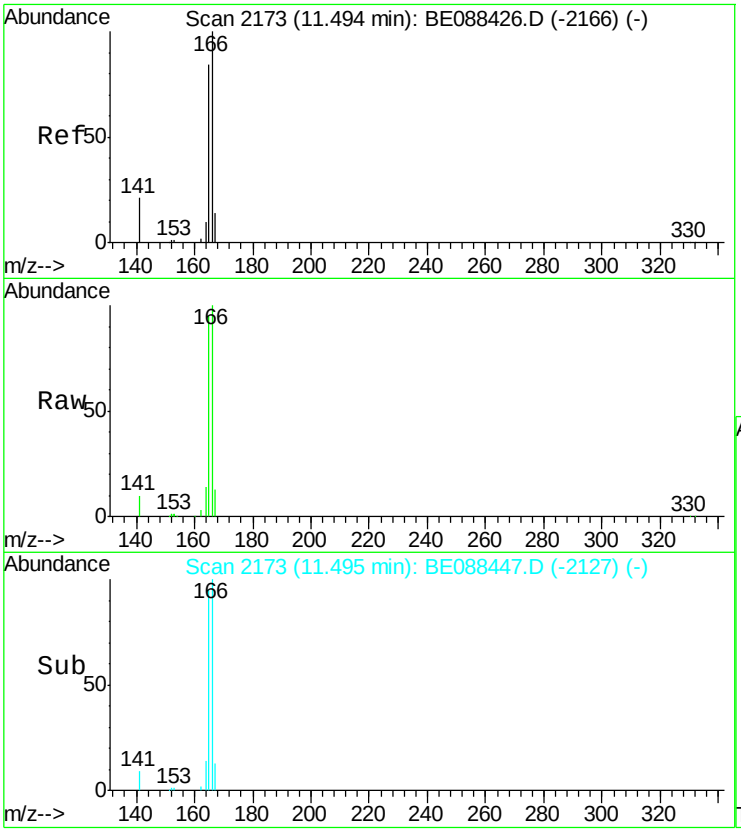


#10
Acenaphthene
Concen: 8.72 ng
RT: 10.84 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:154 Resp: 113591

Ion	Ratio	Lower	Upper
154	100		
153	406.0	324.3	486.5
152	196.9	154.9	232.3





#11
Fluorene
Concen: 9.04 ng
RT: 11.50 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:166 Resp: 124974

Ion	Ratio	Lower	Upper
166	100		
165	90.2	71.3	106.9
167	13.5	10.7	16.1

Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

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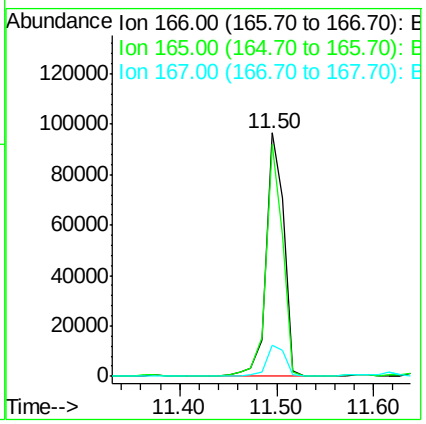
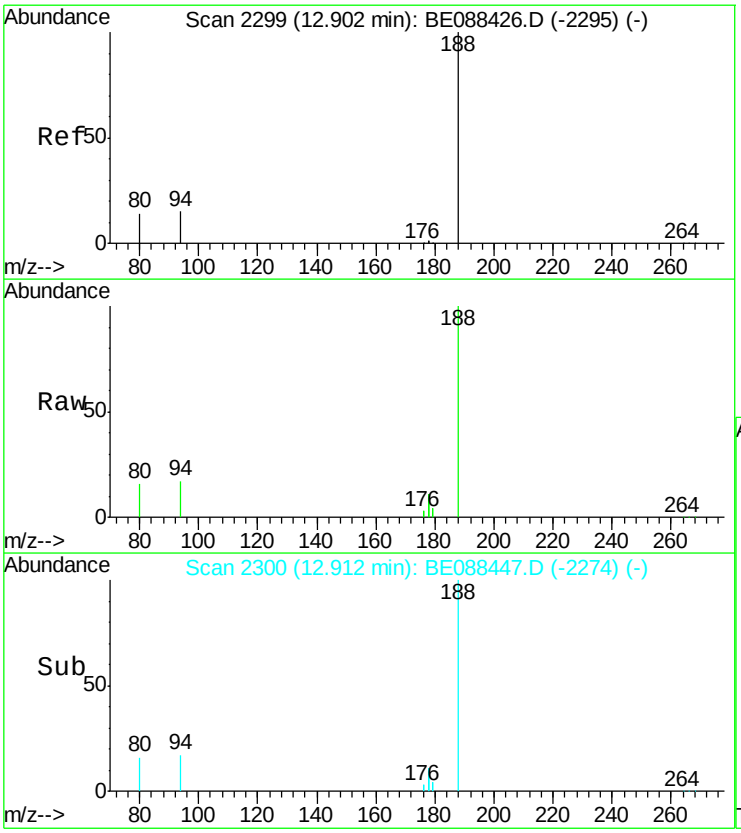
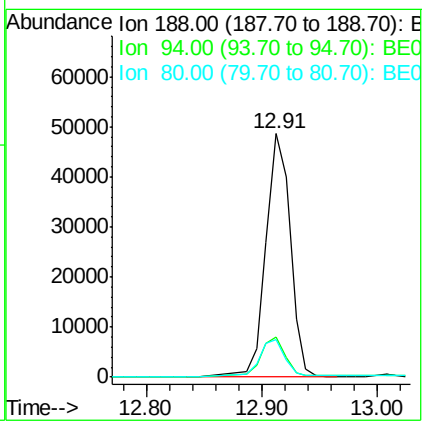


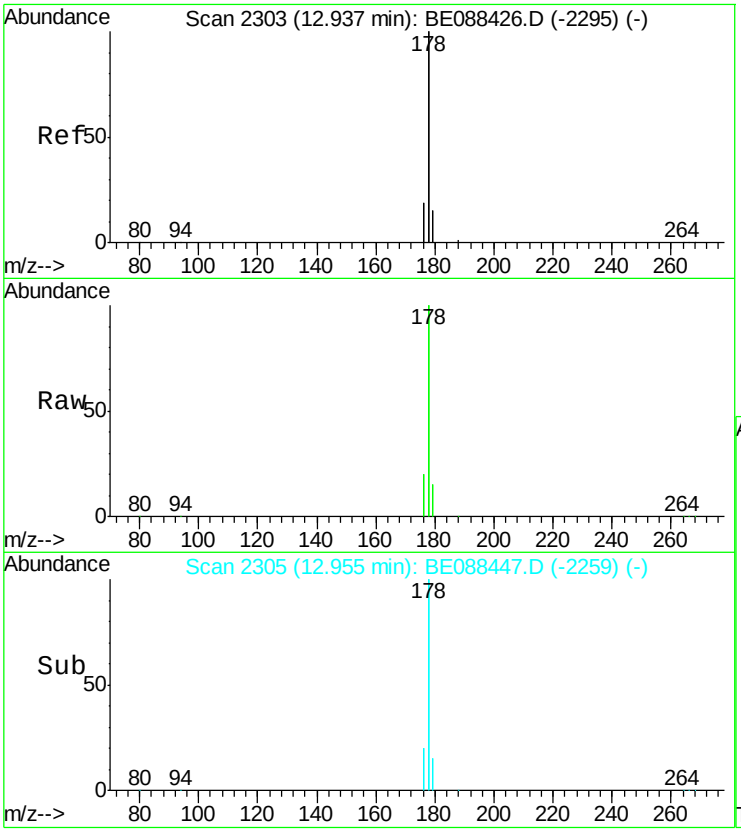


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:188 Resp: 95995

Ion	Ratio	Lower	Upper
188	100		
94	16.5	11.8	17.8
80	15.6	10.9	16.3

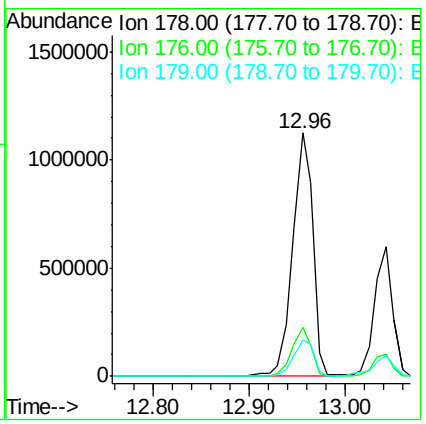




#13
Phenanthrene
Concen: 24.01 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:178 Resp: 2094157

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.8	12.8	19.2



Instrument :
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ClientSampleId :
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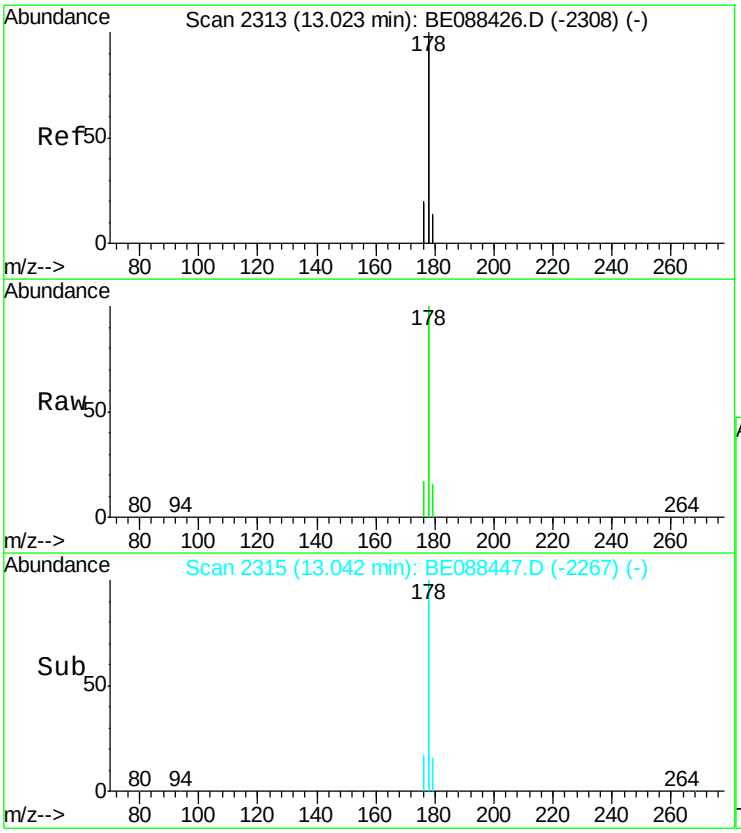
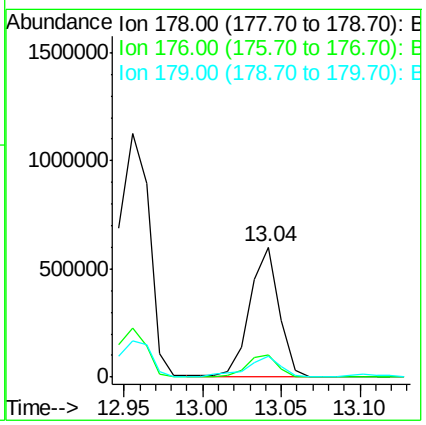
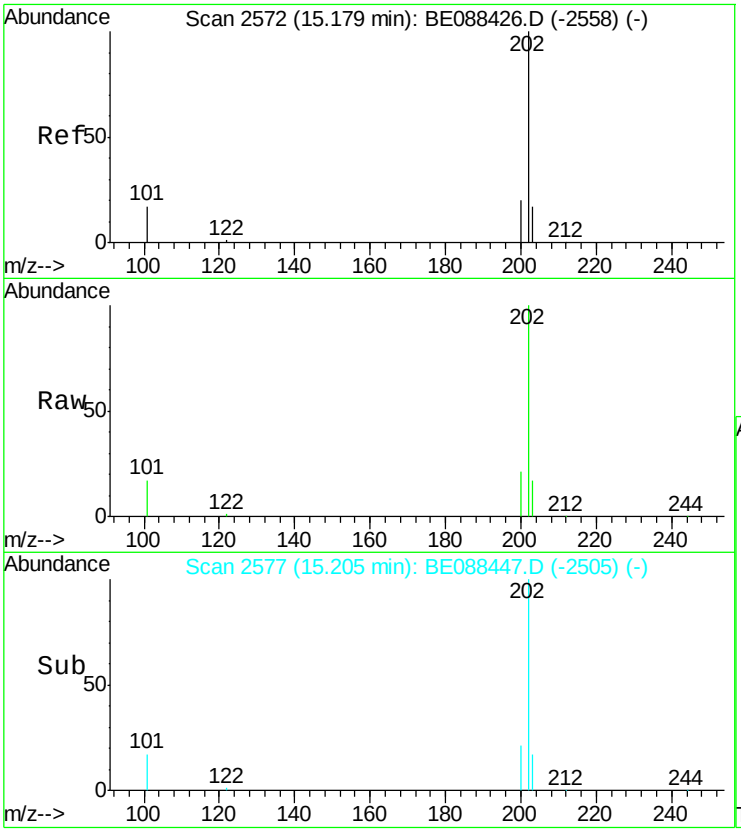


#14
Anthracene
Concen: 11.12 ng
RT: 13.04 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:178 Resp: 783500

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	17.7	12.5	18.7

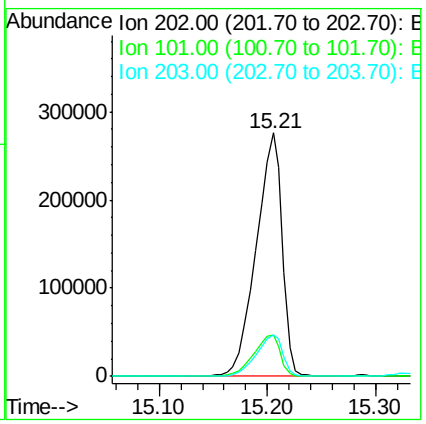




#15
Fluoranthene
Concen: 32.51 ng
RT: 15.21 min Scan# 2577
Delta R.T. 0.03 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:202 Resp: 460343

Ion	Ratio	Lower	Upper
202	100		
101	17.2	14.3	21.5
203	17.4	13.6	20.4



Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

Manual Integrations APPROVED
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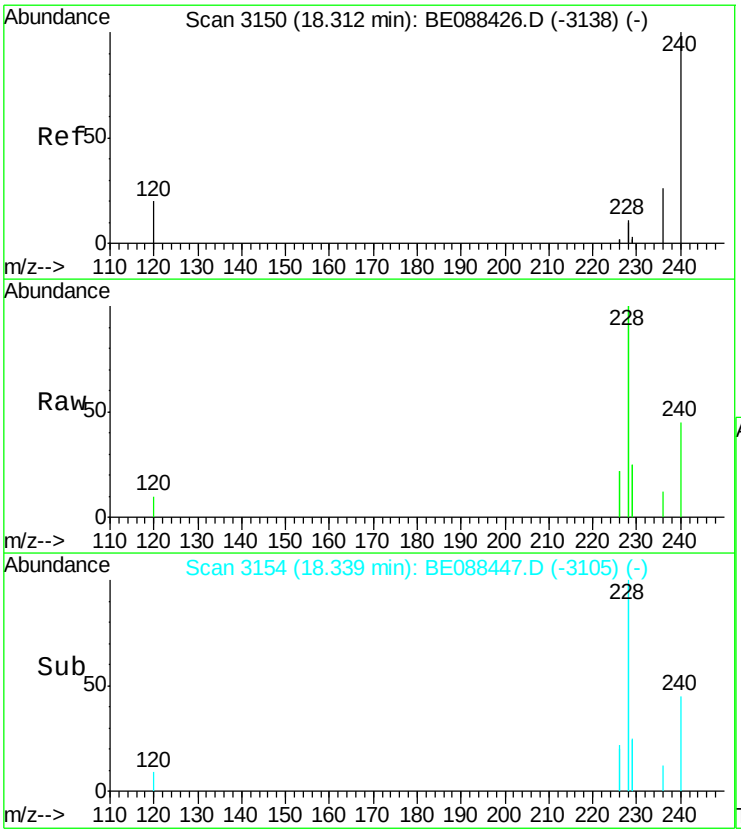
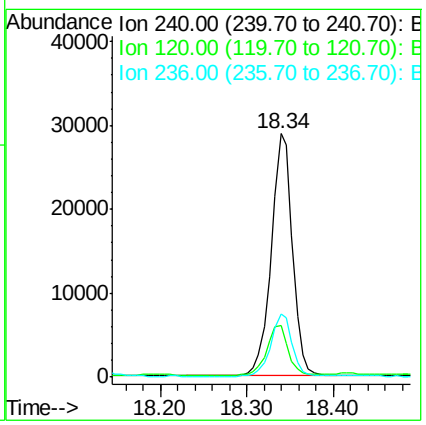
11/4/2014 9:07:06 AM

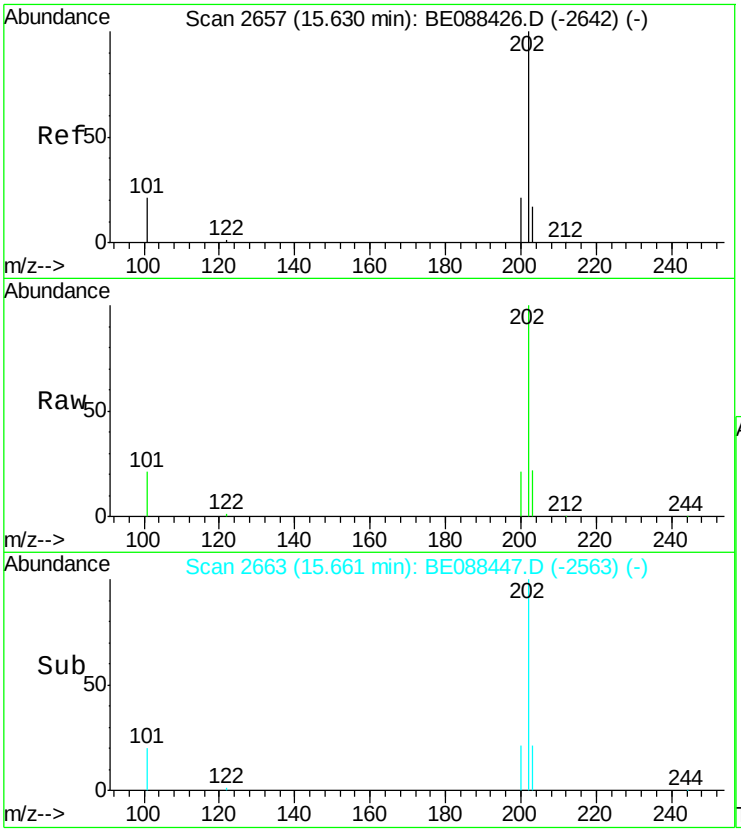


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3154
Delta R.T. 0.03 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:240 Resp: 49077

Ion	Ratio	Lower	Upper
240	100		
120	20.9	16.4	24.6
236	26.0	20.5	30.7

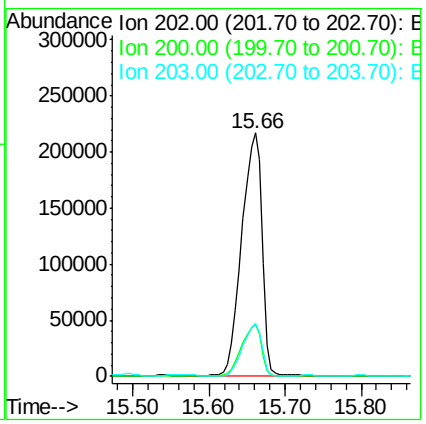




#17
Pyrene
Concen: 25.21 ng
RT: 15.66 min Scan# 2663
Delta R.T. 0.03 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:202 Resp: 403525

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.1	24.1
203	20.1	13.8	20.8



Instrument :
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ClientSampleId :
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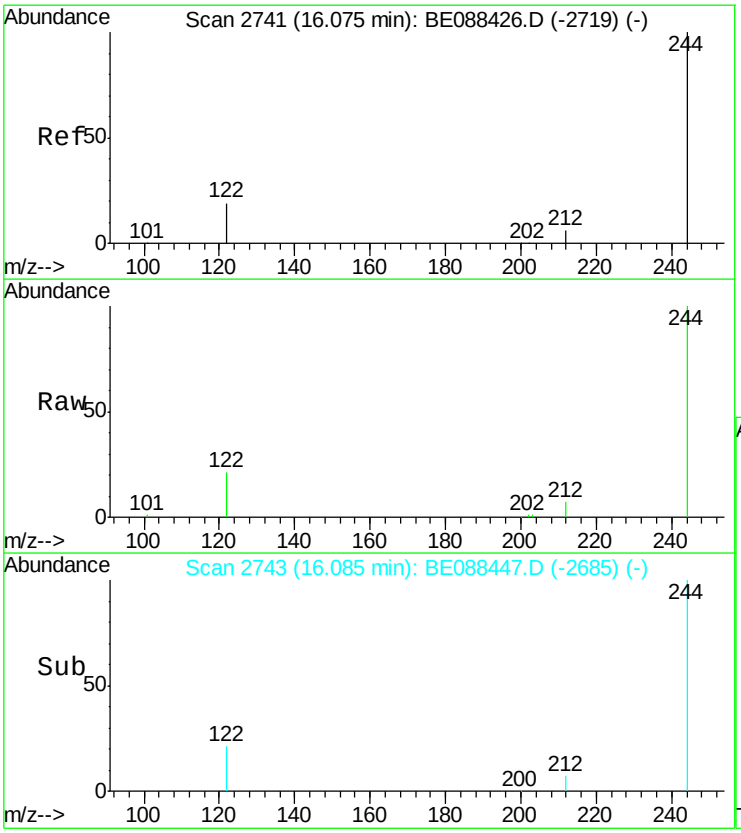
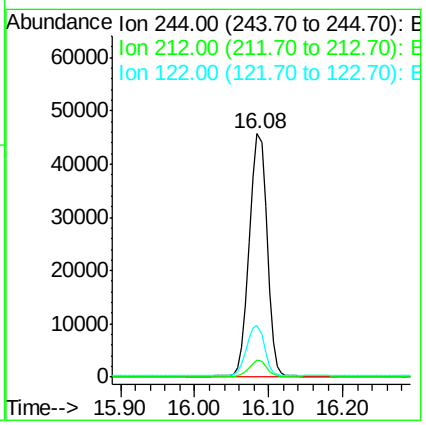
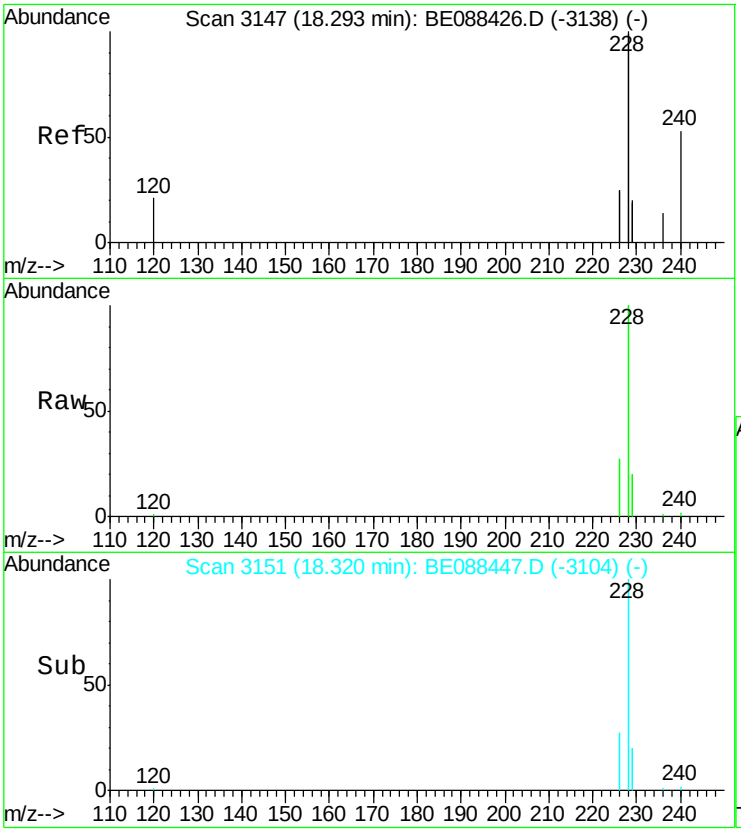


#18
Terphenyl-d14
Concen: 8.21 ng
RT: 16.08 min Scan# 2743
Delta R.T. 0.01 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:244 Resp: 74048

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	21.4	15.6	23.4

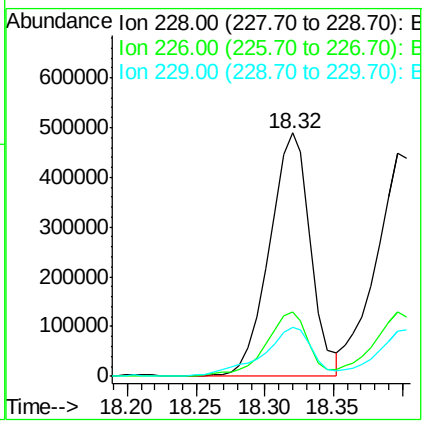




#19
Benzo(a)anthracene
Concen: 21.87 ng
RT: 18.32 min Scan# 3151
Delta R.T. 0.03 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:228 Resp: 1010415

Ion	Ratio	Lower	Upper
228	100		
226	26.5	19.8	29.6
229	20.0	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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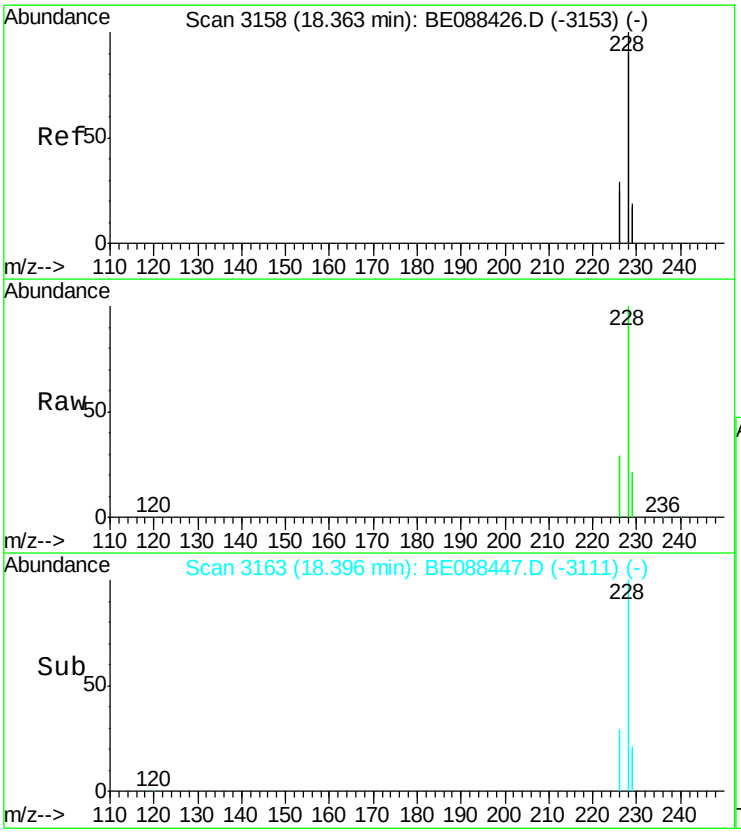
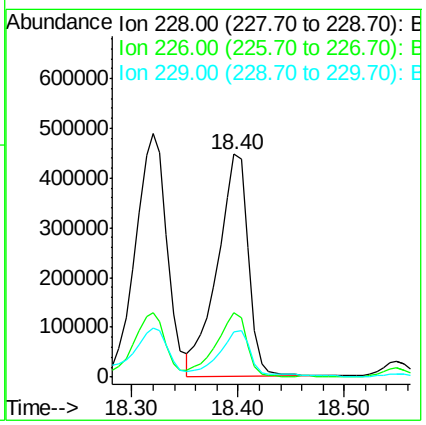
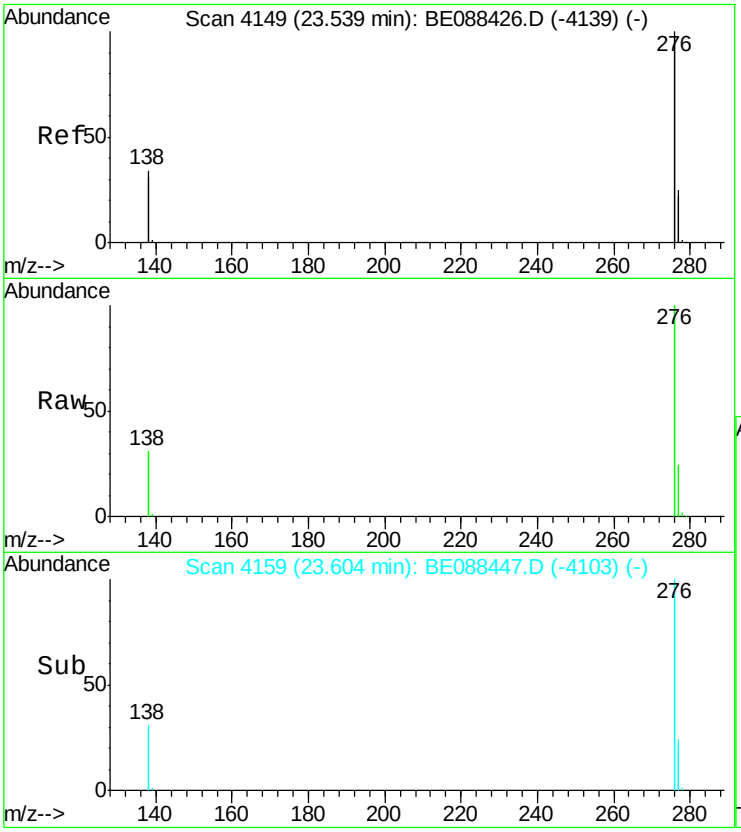


#20
Chrysene
Concen: 19.87 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.03 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:228 Resp: 901300

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.6	35.4
229	20.5	15.4	23.2

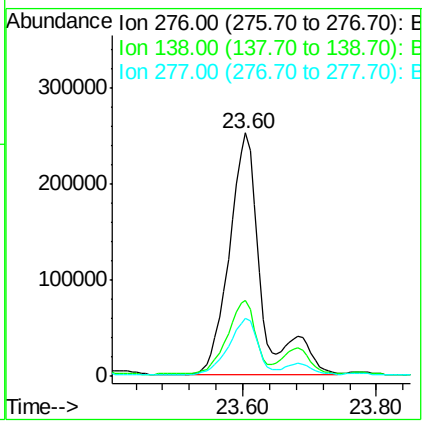




#21
Indeno(1,2,3-cd)pyrene
Concen: 19.74 ng m
RT: 23.60 min Scan# 4159
Delta R.T. 0.07 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:276 Resp: 834491

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.2	30.2
277	21.0	14.8	22.2



Instrument :
BNA_E
ClientSampleId :
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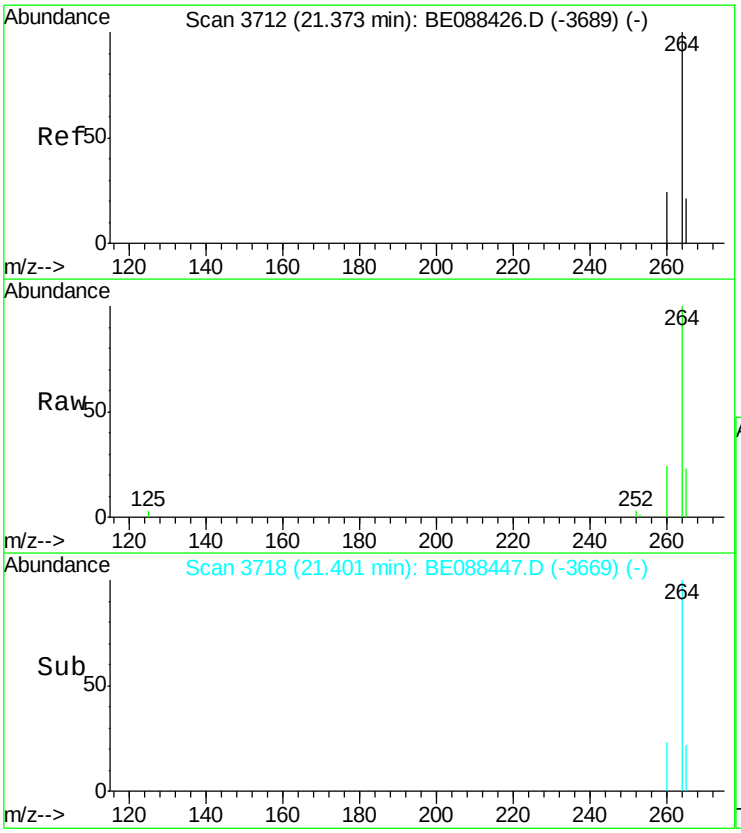
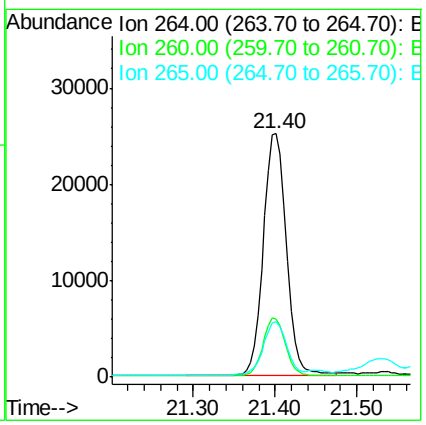
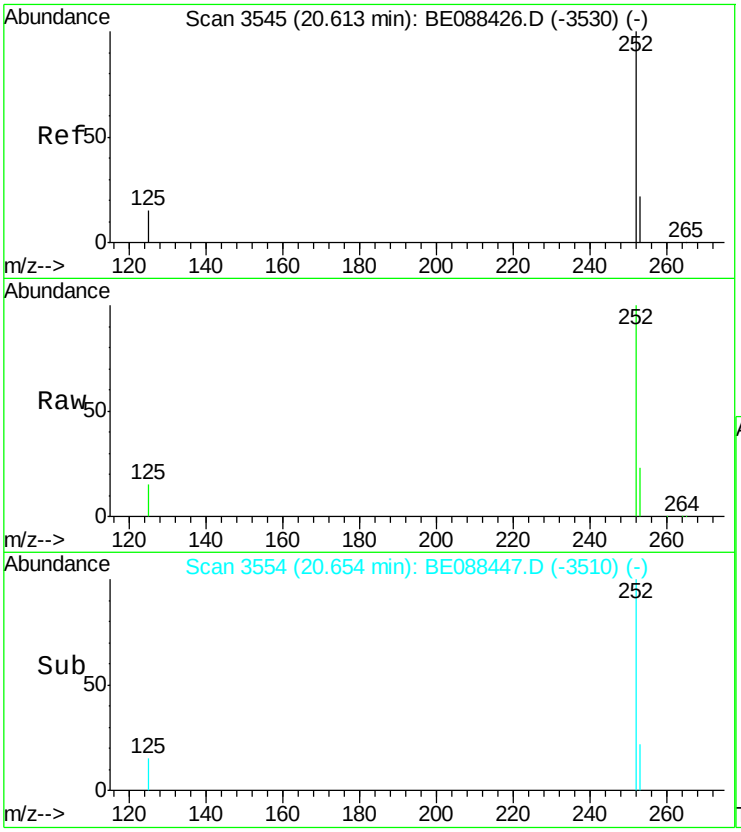


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. 0.03 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:264 Resp: 49342

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.6	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 24.69 ng
RT: 20.65 min Scan# 3554
Delta R.T. 0.04 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:252 Resp: 267157

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	15.5	12.3	18.5

Instrument :
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ClientSampleId :
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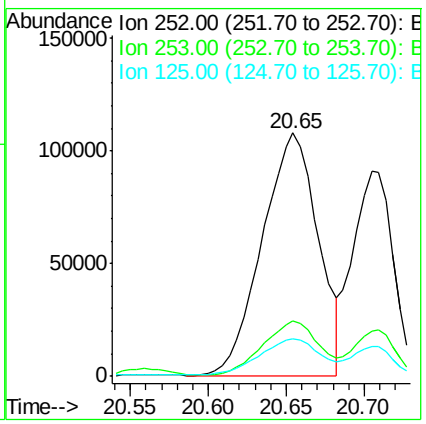
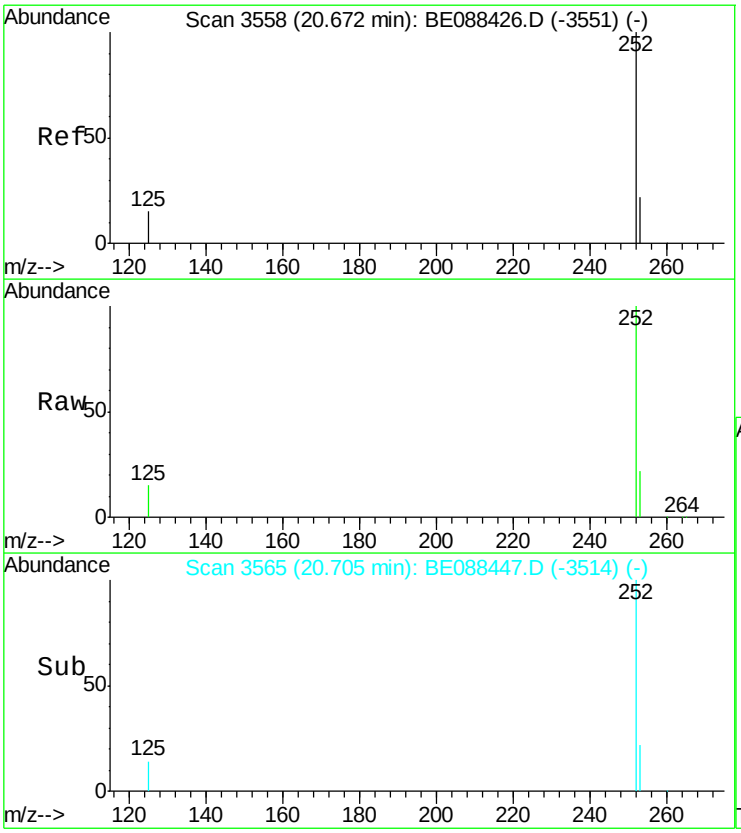
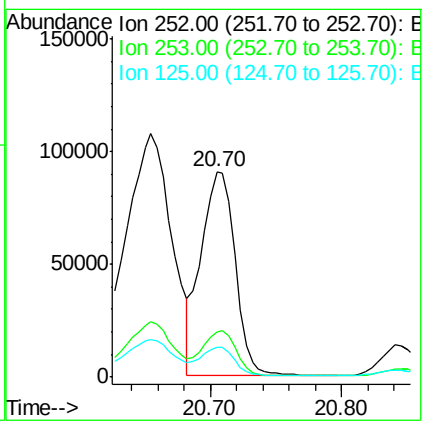


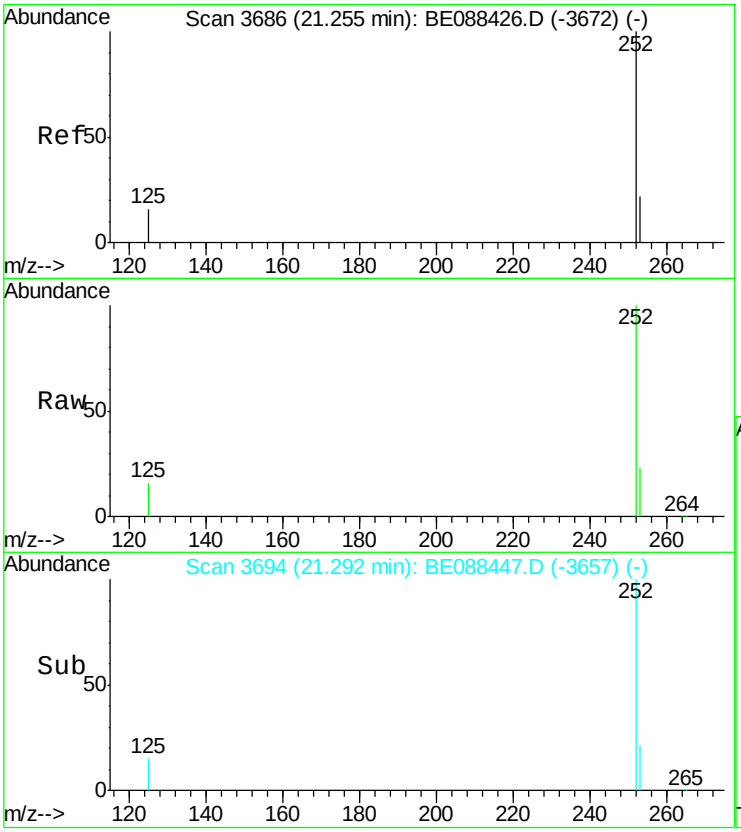


#24
Benzo(k)fluoranthene
Concen: 13.84 ng
RT: 20.70 min Scan# 3565
Delta R.T. 0.03 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:252 Resp: 164904

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	14.7	12.2	18.4

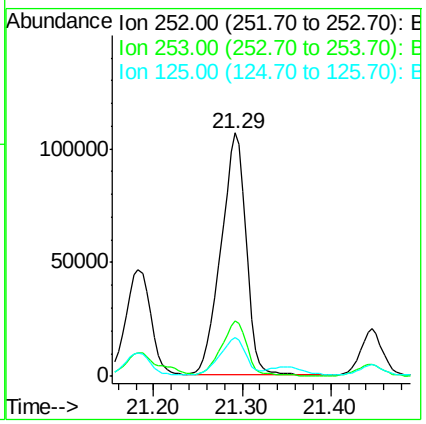




#25
Benzo(a)pyrene
Concen: 20.06 ng
RT: 21.29 min Scan# 3694
Delta R.T. 0.04 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:252 Resp: 208423

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	15.8	13.7	20.5



Instrument :
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ClientSampleId :
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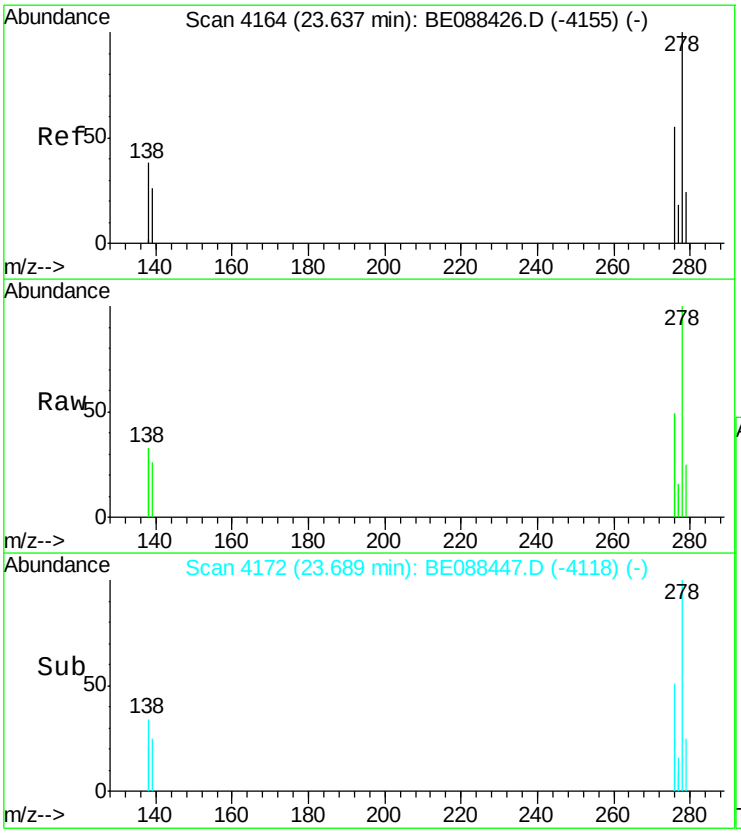
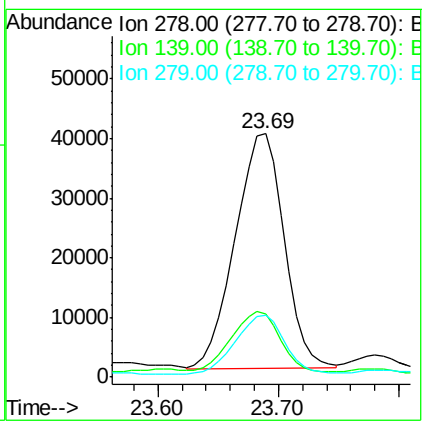
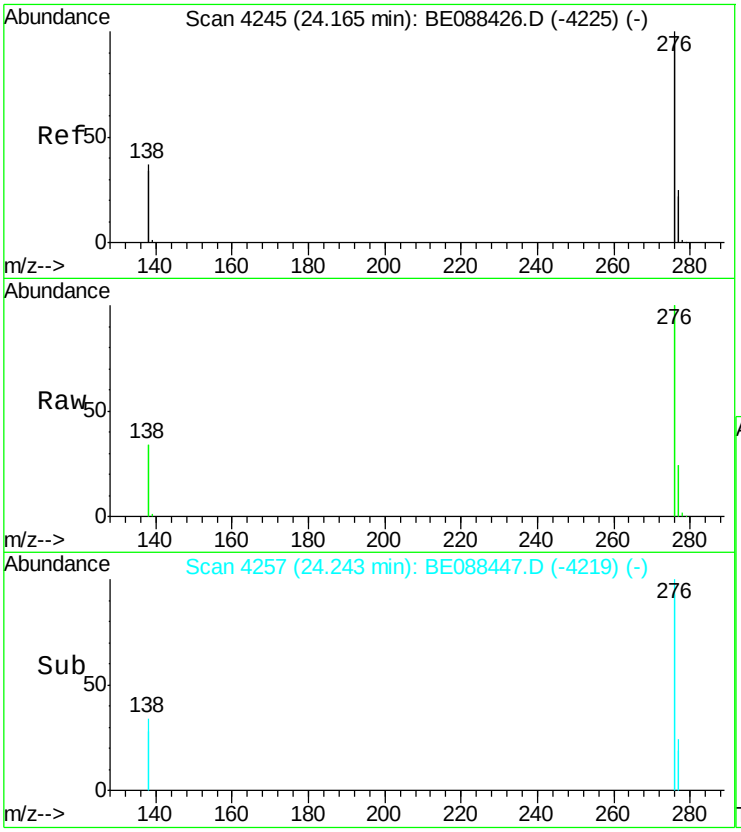


#26
Dibenzo(a,h)anthracene
Concen: 11.47 ng
RT: 23.69 min Scan# 4172
Delta R.T. 0.05 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:278 Resp: 110660

Ion	Ratio	Lower	Upper
278	100		
139	25.8	22.1	33.1
279	25.4	19.7	29.5

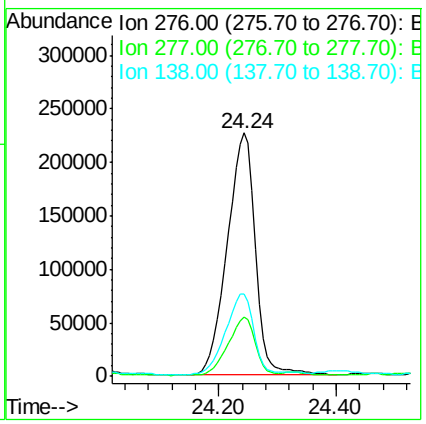




#27
Benzo(g,h,i)perylene
Concen: 16.98 ng
RT: 24.24 min Scan# 4257
Delta R.T. 0.08 min
Lab File: BE088447.D
Acq: 1 Nov 2014 5:53

Tgt Ion:276 Resp: 751308

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.6
138	33.8	29.3	43.9



Instrument :
BNA_E
ClientSampleId :
YS19-SS32-1014MS

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