Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088469.D
Acq On : 2 Nov 2014 1:26
Operator : TP/JJ
Sample : F4368-05RE
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SS41-1014RE

Manual Integrations APPROVED
mohammad
11/4/2014 9:08:05 AM

Quant Time: Nov 02 05:30:52 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	25208	5.00	ng		0.00
3) Naphthalene-d8	8.65	136	89819	5.00	ng		0.00
7) Acenaphthene-d10	10.80	164	42664	5.00	ng		0.01
12) Phenanthrene-d10	12.91	188	85578	5.00	ng		0.00
16) Chrysene-d12	18.34	240	52883	5.00	ng		0.03
22) Perylene-d12	21.40	264	51073	5.00	ng		0.03
System Monitoring Compounds							
4) Nitrobenzene-d5	7.79	82	532664	80.87	ng		0.02
8) 2-Fluorobiphenyl	10.00	172	617489	51.35	ng		0.01
18) Terphenyl-d14	16.11	244	491353	50.58	ng		0.04
Target Compounds							Qvalue
5) Naphthalene	8.68	128	2131	0.11	ng	#	93
6) 2-Methylnaphthalene	9.53	142	697	0.06	ng	#	93
9) Acenaphthylene	10.63	152	9442	0.14	ng	#	93
10) Acenaphthene	10.84	154	1832	0.18	ng		91
11) Fluorene	11.49	166	2758	0.25	ng	#	95
13) Phenanthrene	12.95	178	223677	2.88	ng		99
14) Anthracene	13.03	178	50345m	0.80	ng		
15) Fluoranthene	15.19	202	60368	4.78	ng		99
17) Pyrene	15.65	202	49778	2.89	ng		96
19) Benzo(a)anthracene	18.31	228	101362	2.04	ng		98
20) Chrysene	18.39	228	158258	3.24	ng		97
21) Indeno(1,2,3-cd)pyrene	23.59	276	63527m	1.39	ng		
23) Benzo(b)fluoranthene	20.64	252	37127	3.32	ng	#	95
24) Benzo(k)fluoranthene	20.69	252	13406	1.09	ng	#	94
25) Benzo(a)pyrene	21.28	252	19615	1.82	ng	#	95
26) Dibenzo(a,h)anthracene	23.67	278	3627	0.36	ng	#	68
27) Benzo(g,h,i)perylene	24.22	276	58715	1.28	ng		97

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

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BNA_E
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YS19-SS41-1014RE

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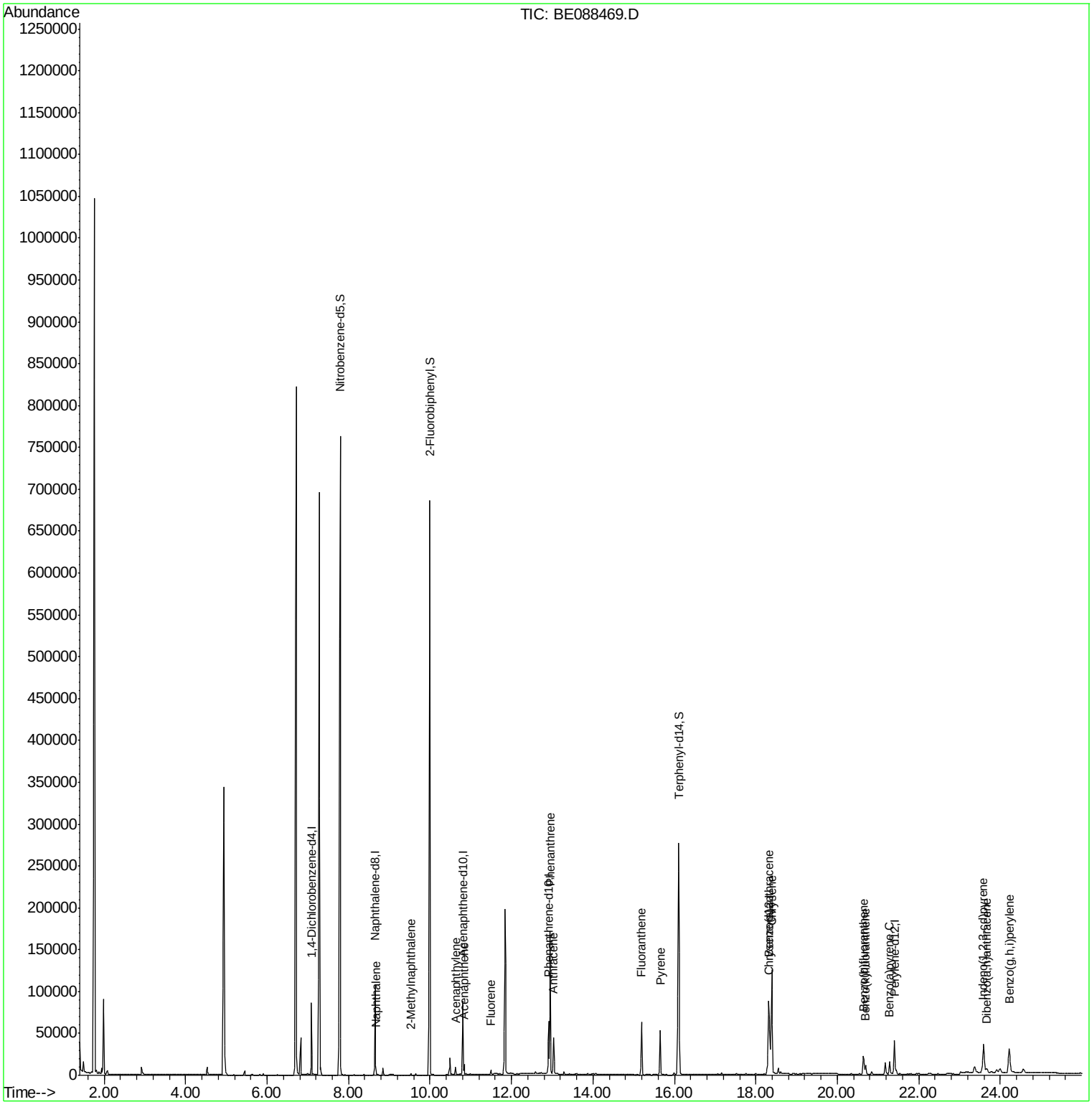
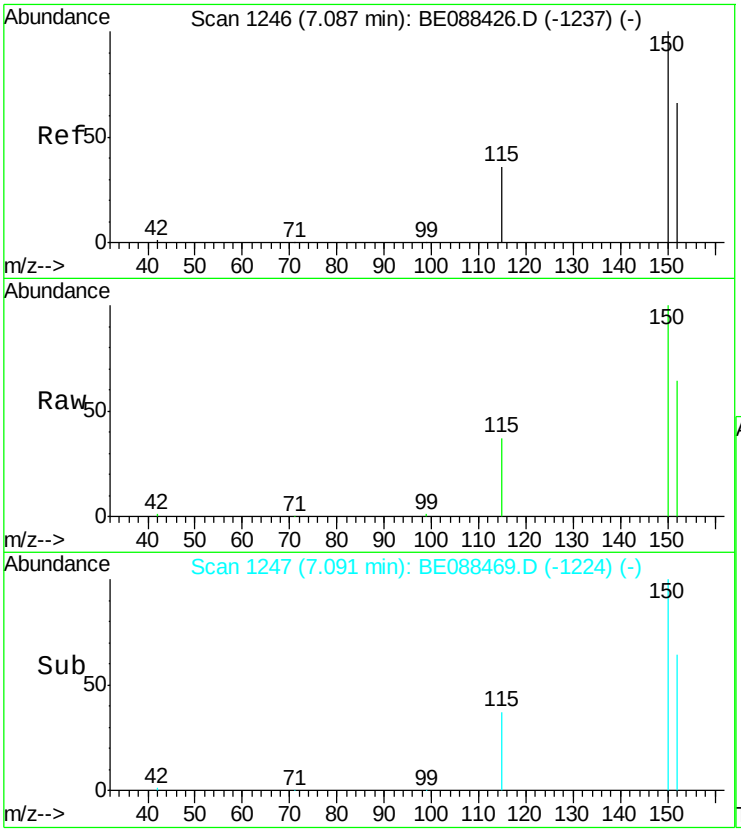
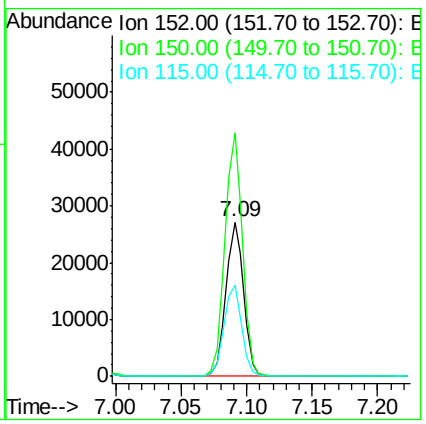




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:152 Resp: 25208

Ion	Ratio	Lower	Upper
152	100		
150	157.5	121.8	182.8
115	59.0	43.9	65.9



Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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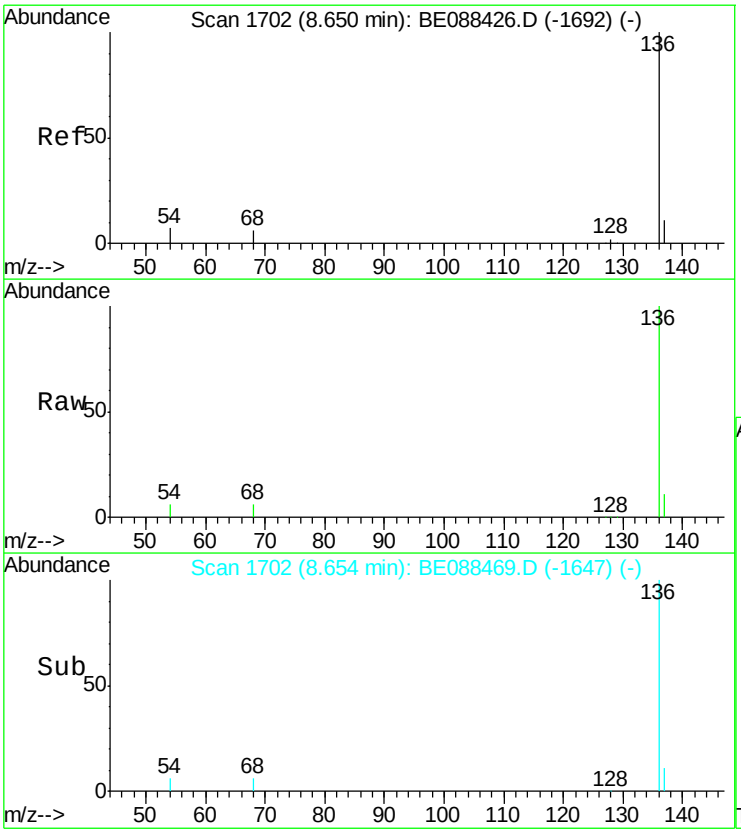
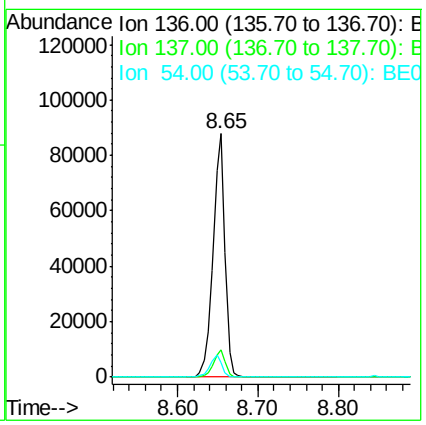
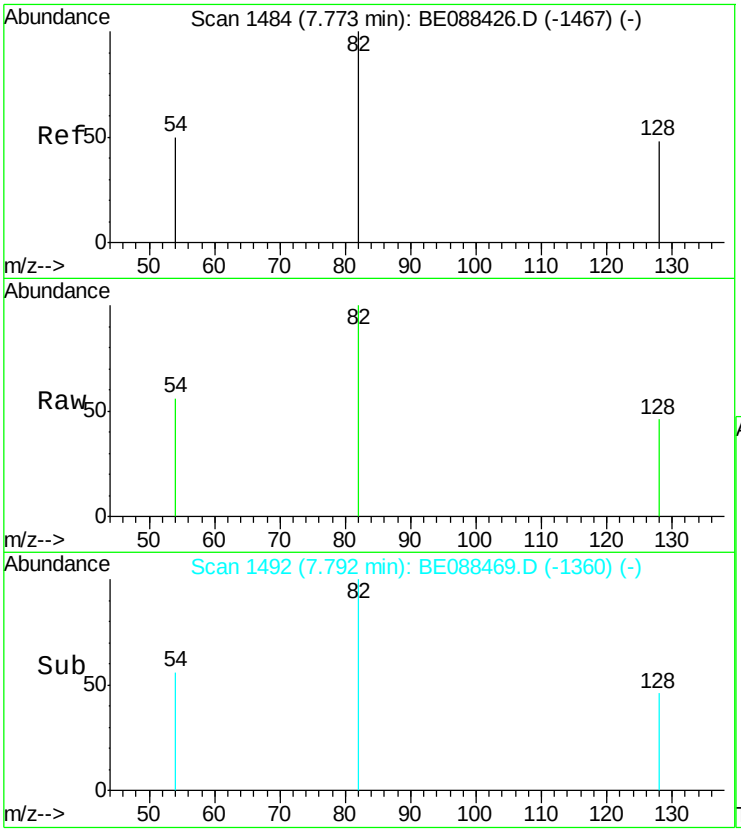


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. 0.00 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:136 Resp: 89819

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.2	5.3	7.9

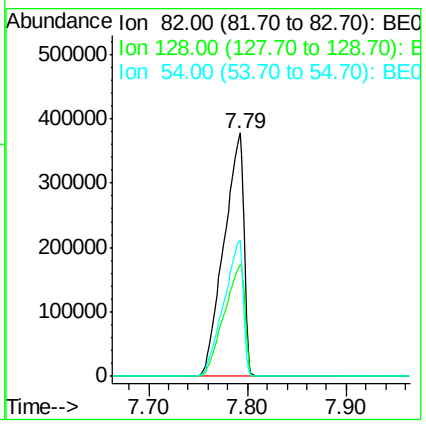




#4
Nitrobenzene-d5
Concen: 80.87 ng
RT: 7.79 min Scan# 1492
Delta R.T. 0.02 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion: 82 Resp: 532664

Ion	Ratio	Lower	Upper
82	100		
128	46.2	38.4	57.6
54	55.8	40.2	60.2



Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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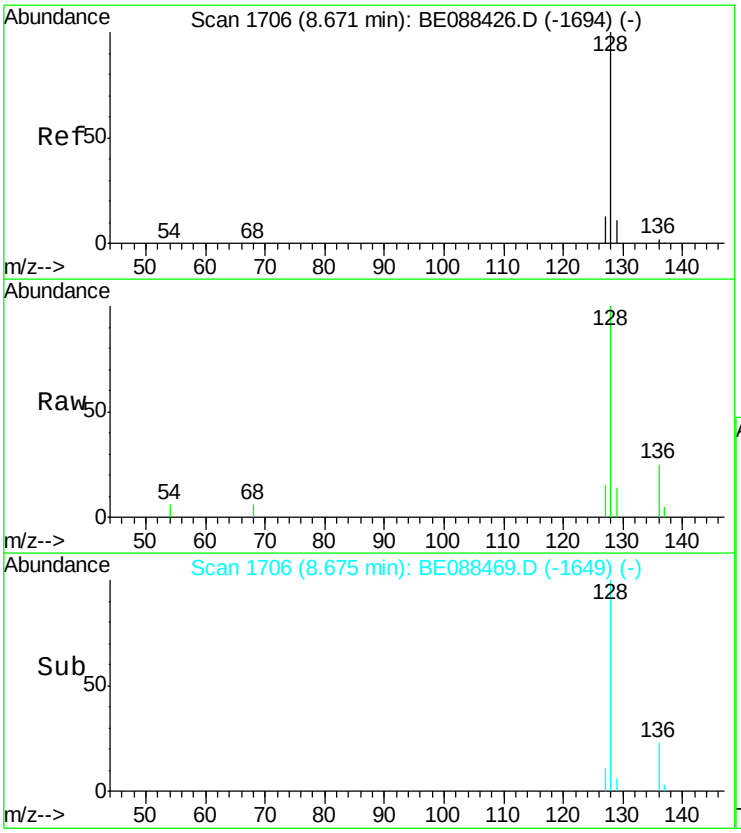
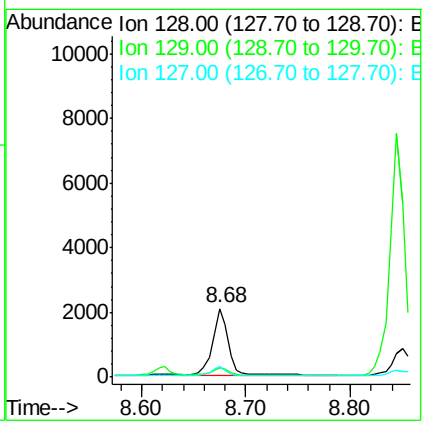
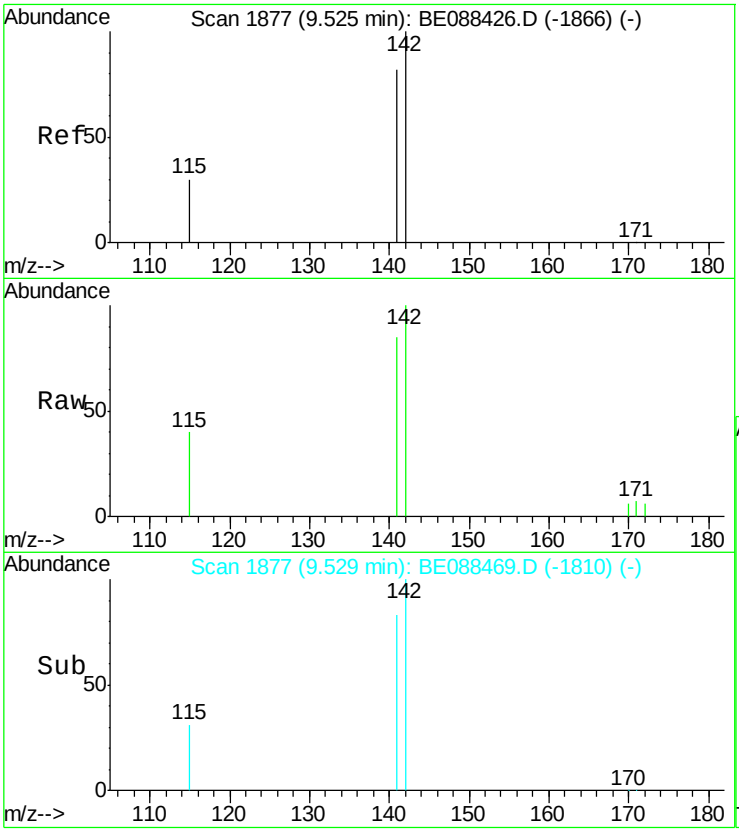


#5
Naphthalene
Concen: 0.11 ng
RT: 8.68 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:128 Resp: 2131

Ion	Ratio	Lower	Upper
128	100		
129	13.7	8.6	12.8#
127	14.7	10.1	15.1

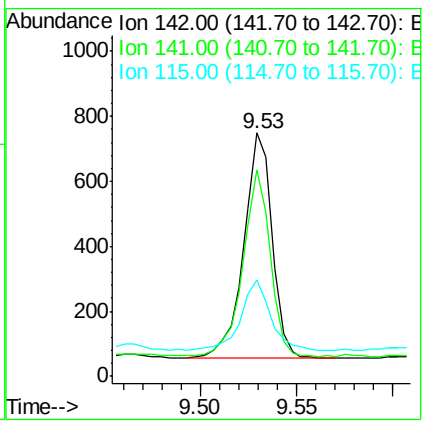




#6
2-Methylnaphthalene
Concen: 0.06 ng
RT: 9.53 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:142 Resp: 697

Ion	Ratio	Lower	Upper
142	100		
141	84.6	65.8	98.8
115	39.8	24.2	36.4#



Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

Manual Integrations APPROVED
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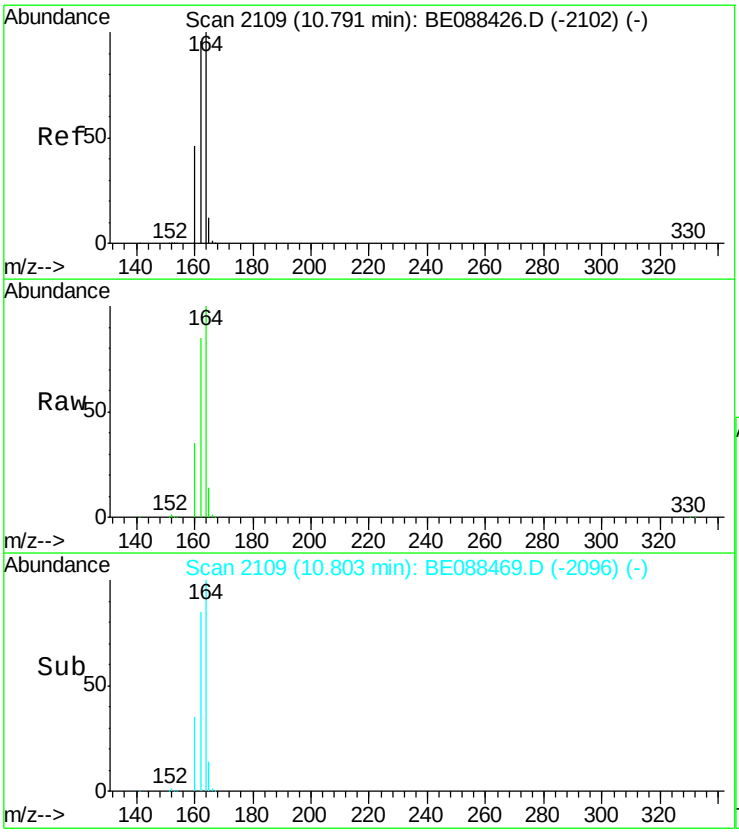
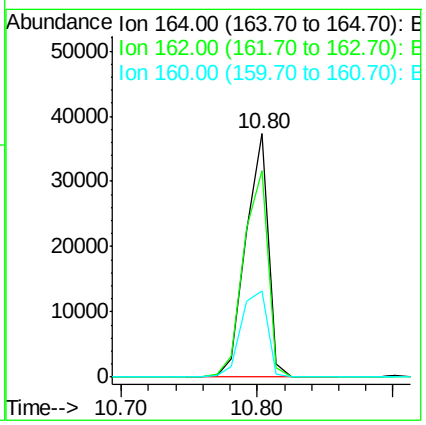
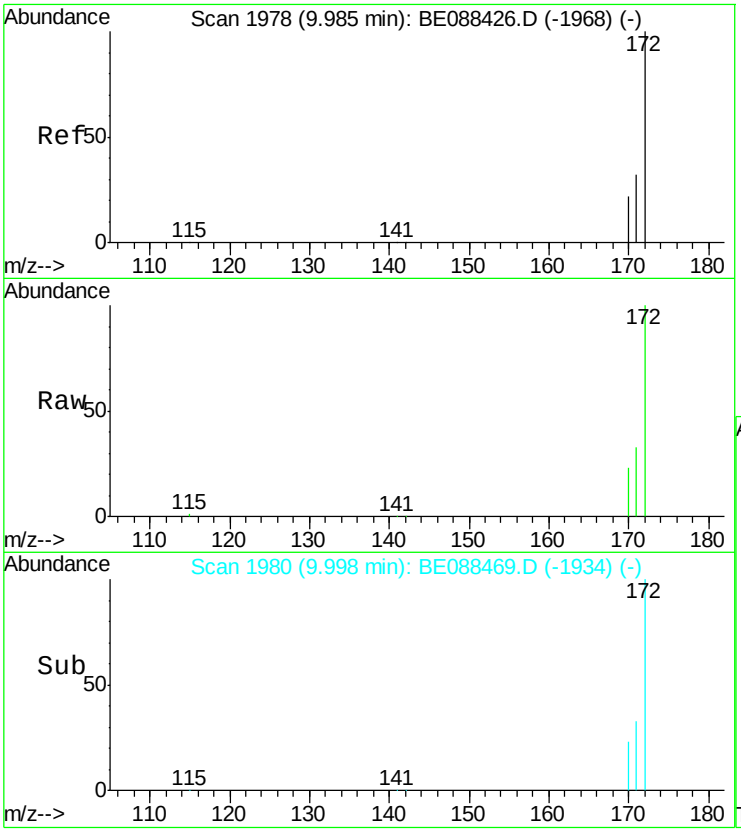


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.80 min Scan# 2109
Delta R.T. 0.01 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:164 Resp: 42664

Ion	Ratio	Lower	Upper
164	100		
162	84.7	77.0	115.4
160	35.4	36.8	55.2#

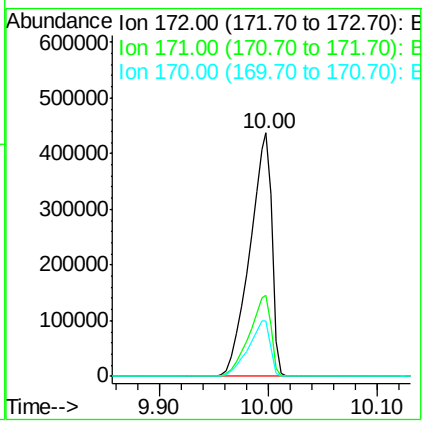




#8
2-Fluorobiphenyl
Concen: 51.35 ng
RT: 10.00 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:172 Resp: 617489

Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.0	39.0
170	22.9	17.6	26.4



Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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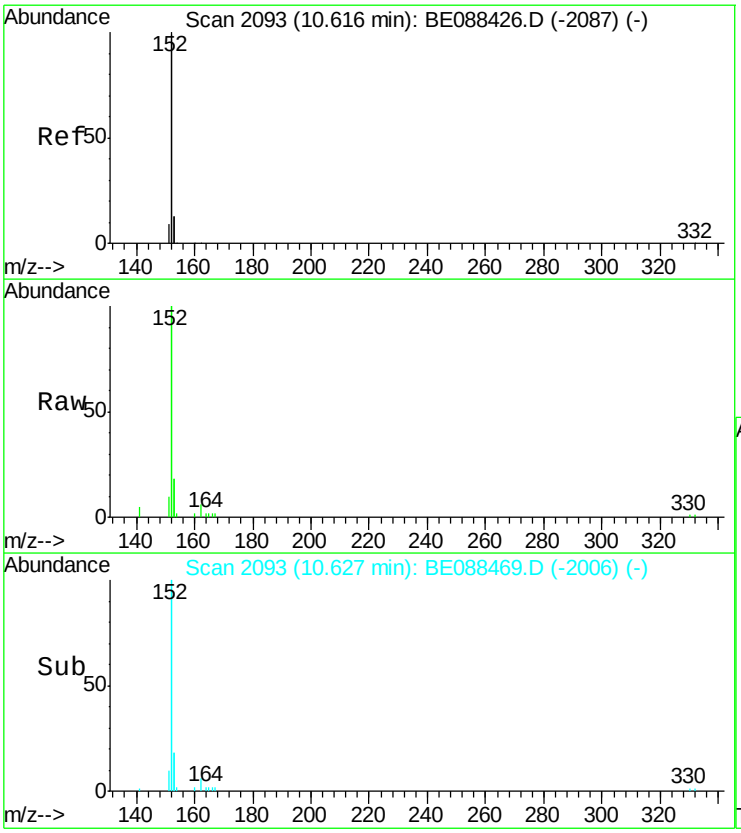
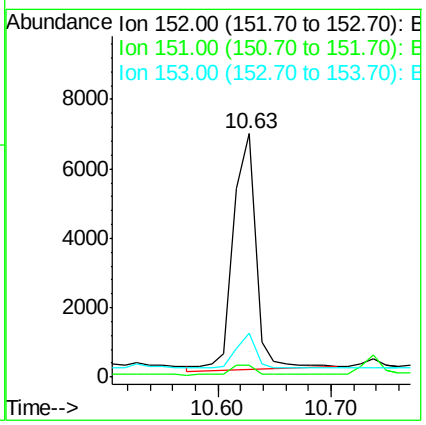
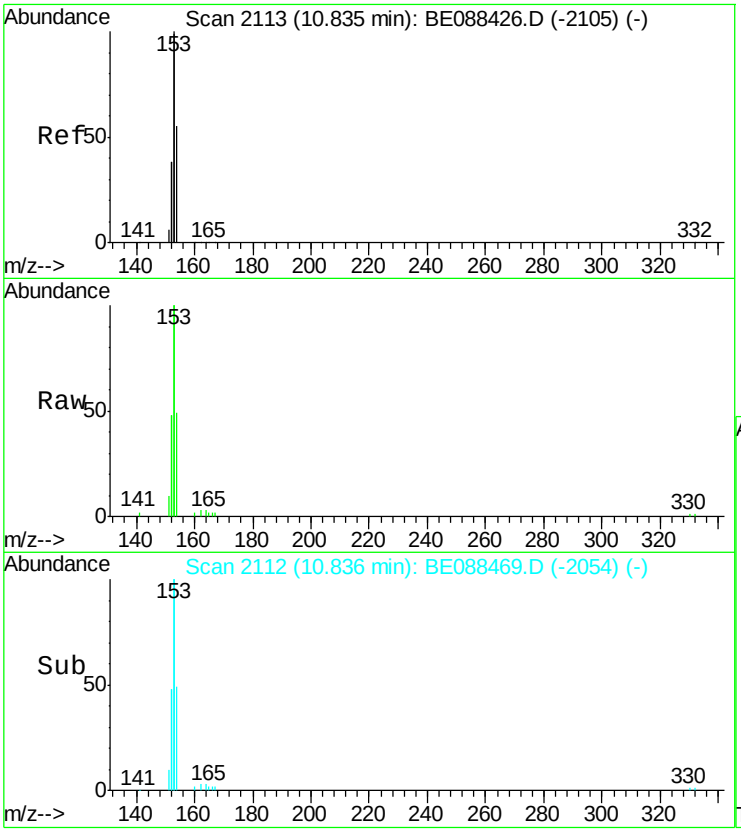


#9
Acenaphthylene
Concen: 0.14 ng
RT: 10.63 min Scan# 2093
Delta R.T. 0.01 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:152 Resp: 9442

Ion	Ratio	Lower	Upper
152	100		
151	4.3	4.4	6.6#
153	16.4	10.5	15.7#





#10
Acenaphthene
Concen: 0.18 ng
RT: 10.84 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:154 Resp: 1832

Ion	Ratio	Lower	Upper
154	100		
153	376.0	324.3	486.5
152	188.5	154.9	232.3

Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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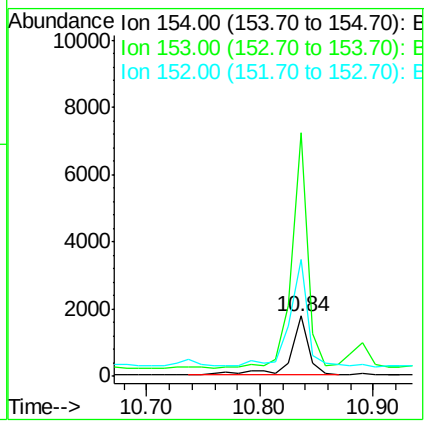
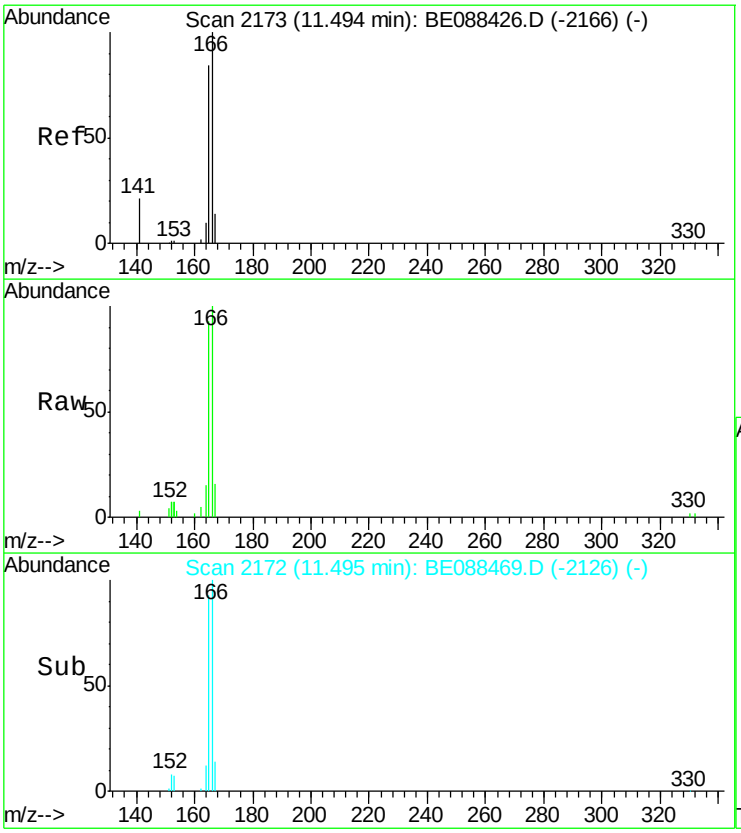
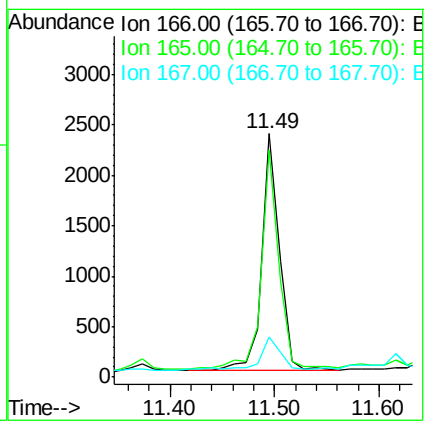


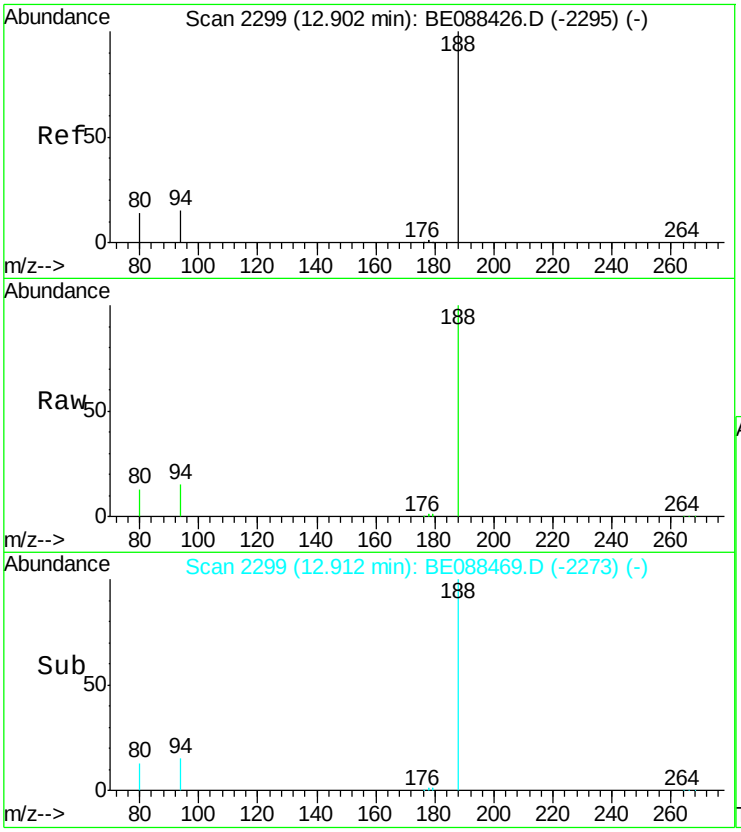


#11
Fluorene
Concen: 0.25 ng
RT: 11.49 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:166 Resp: 2758

Ion	Ratio	Lower	Upper
166	100		
165	93.2	71.3	106.9
167	17.1	10.7	16.1#

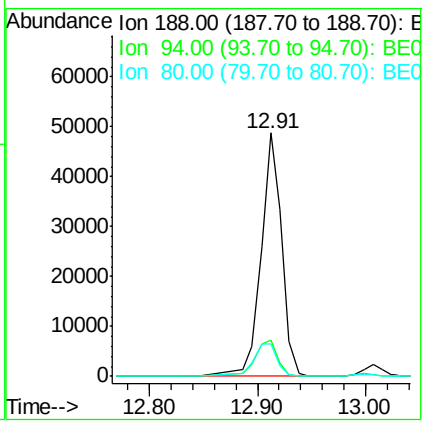




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:188 Resp: 85578

Ion	Ratio	Lower	Upper
188	100		
94	14.8	11.8	17.8
80	13.4	10.9	16.3



Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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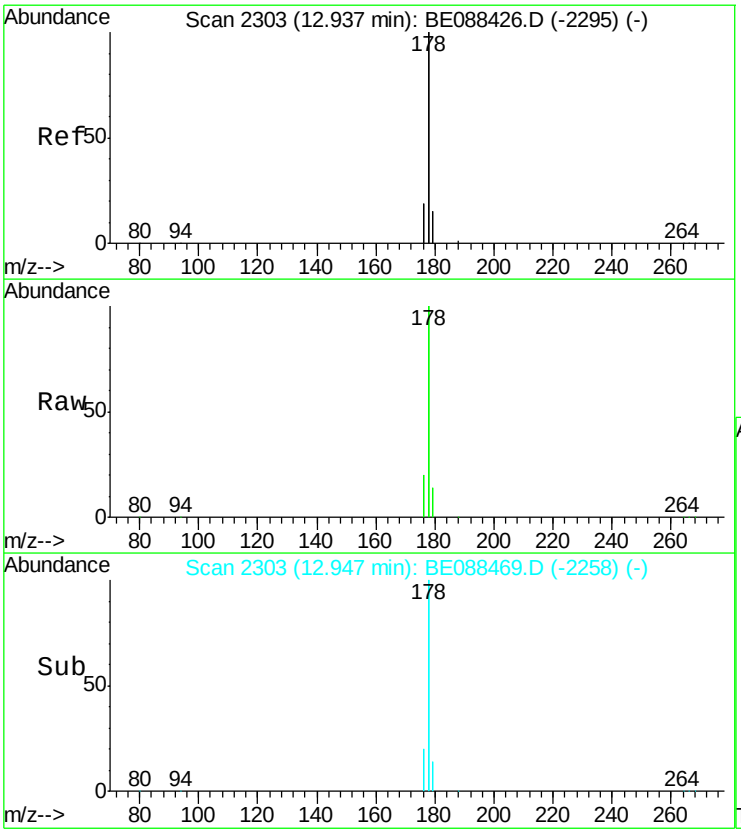
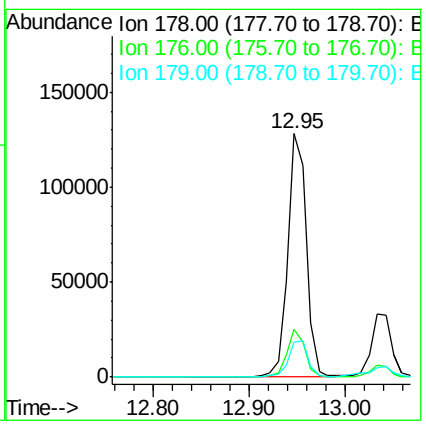
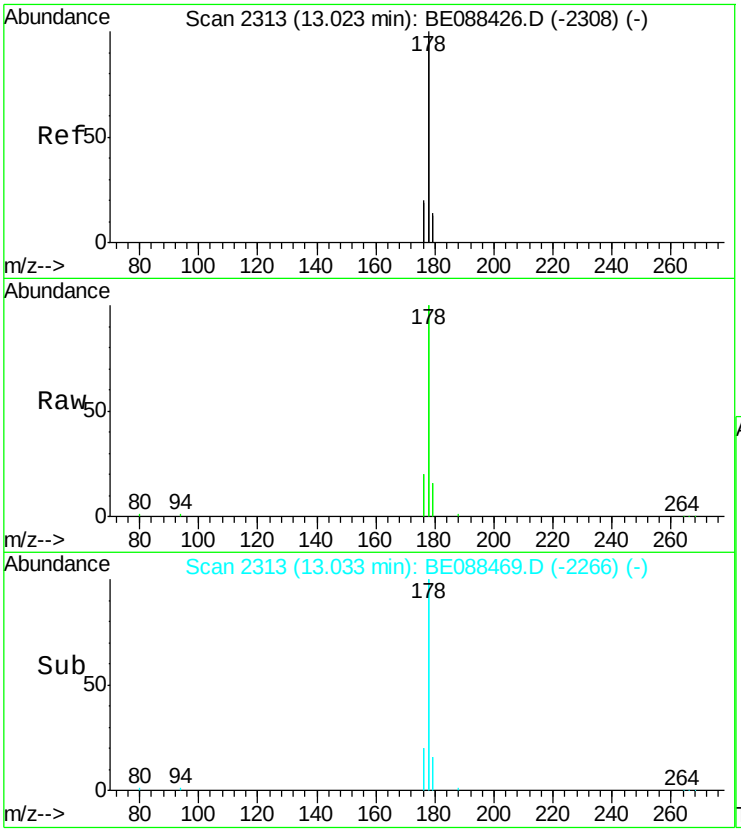


#13
Phenanthrene
Concen: 2.88 ng
RT: 12.95 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:178 Resp: 223677

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.6	12.8	19.2





#14
Anthracene
Concen: 0.80 ng m
RT: 13.03 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:178 Resp: 50345

Ion	Ratio	Lower	Upper
178	100		
176	85.6	15.0	22.4#
179	73.8	12.5	18.7#

Instrument :
BNA_E
ClientSampleId :
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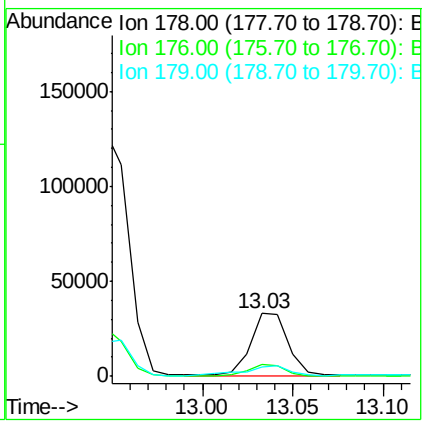
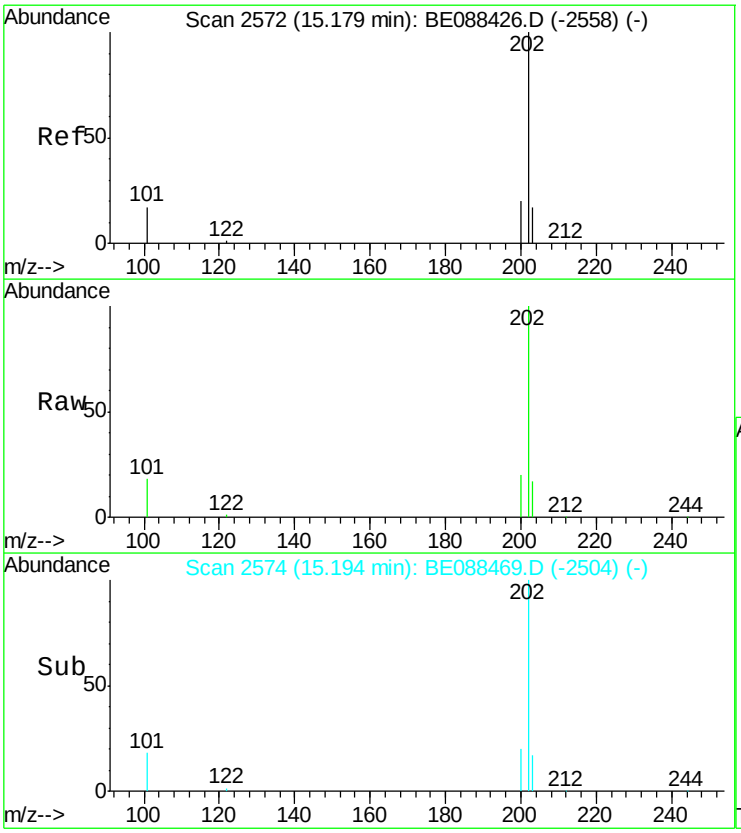
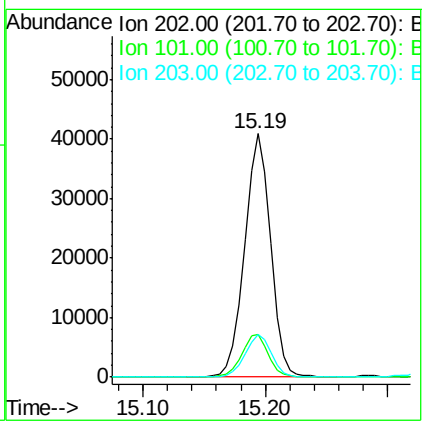


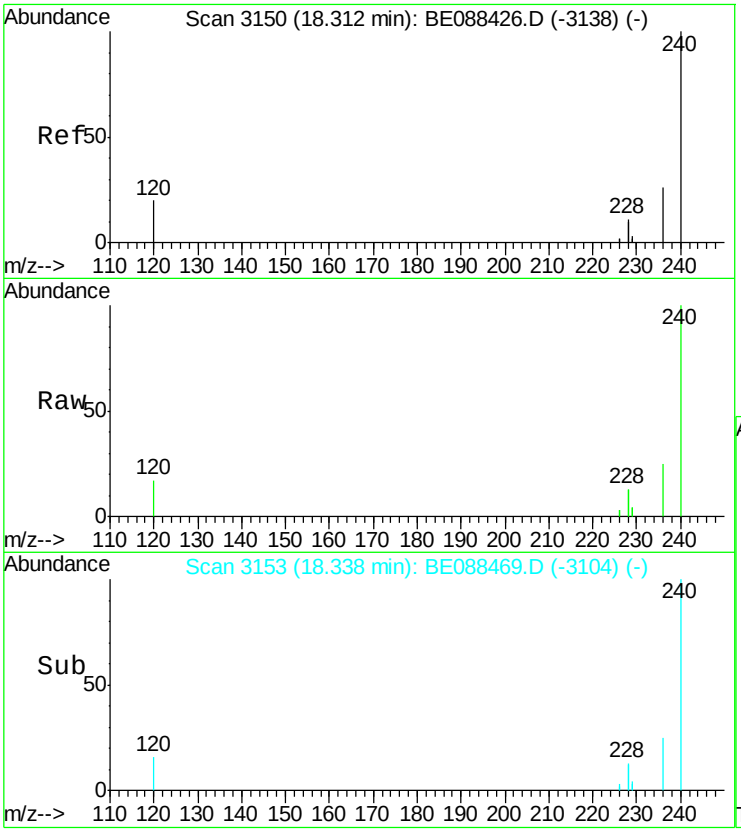


#15
Fluoranthene
Concen: 4.78 ng
RT: 15.19 min Scan# 2574
Delta R.T. 0.01 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:202 Resp: 60368

Ion	Ratio	Lower	Upper
202	100		
101	17.8	14.3	21.5
203	17.3	13.6	20.4





#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3153
Delta R.T. 0.03 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:240 Resp: 52883

Ion	Ratio	Lower	Upper
240	100		
120	16.9	16.4	24.6
236	25.2	20.5	30.7

Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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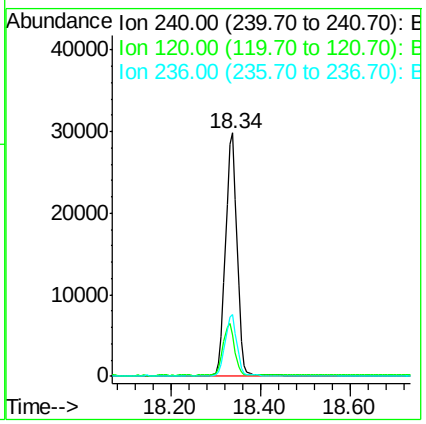
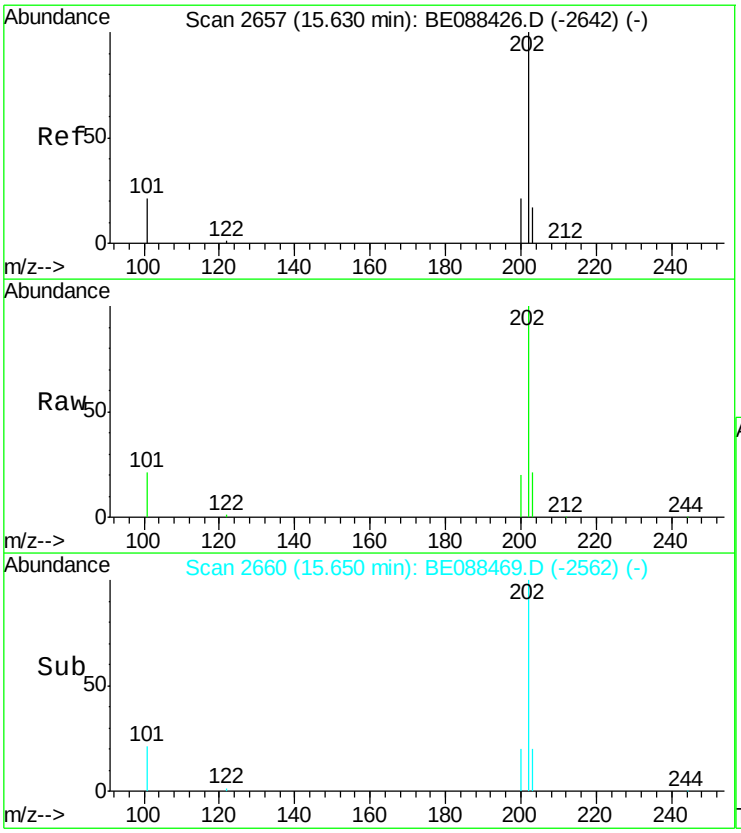
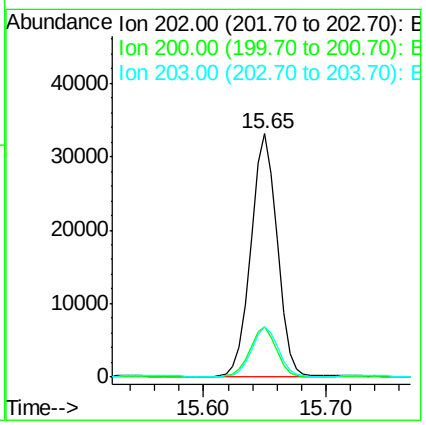


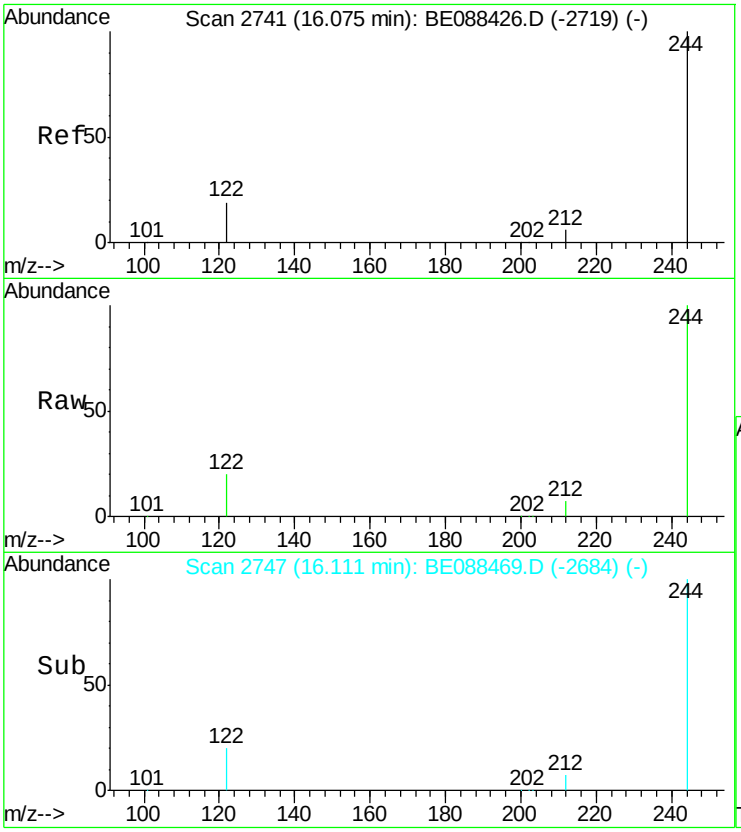


#17
Pyrene
Concen: 2.89 ng
RT: 15.65 min Scan# 2660
Delta R.T. 0.02 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:202 Resp: 49778

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.1	24.1
203	20.5	13.8	20.8





#18
Terphenyl-d14
Concen: 50.58 ng
RT: 16.11 min Scan# 2747
Delta R.T. 0.04 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:244 Resp: 491353

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	19.6	15.6	23.4

Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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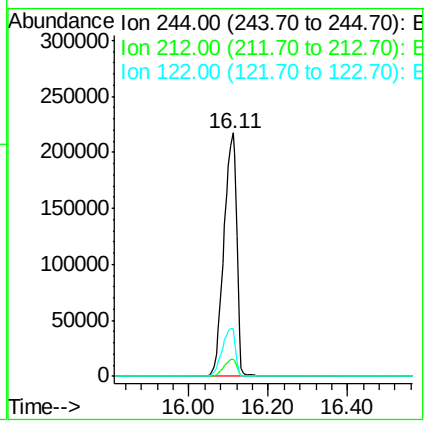
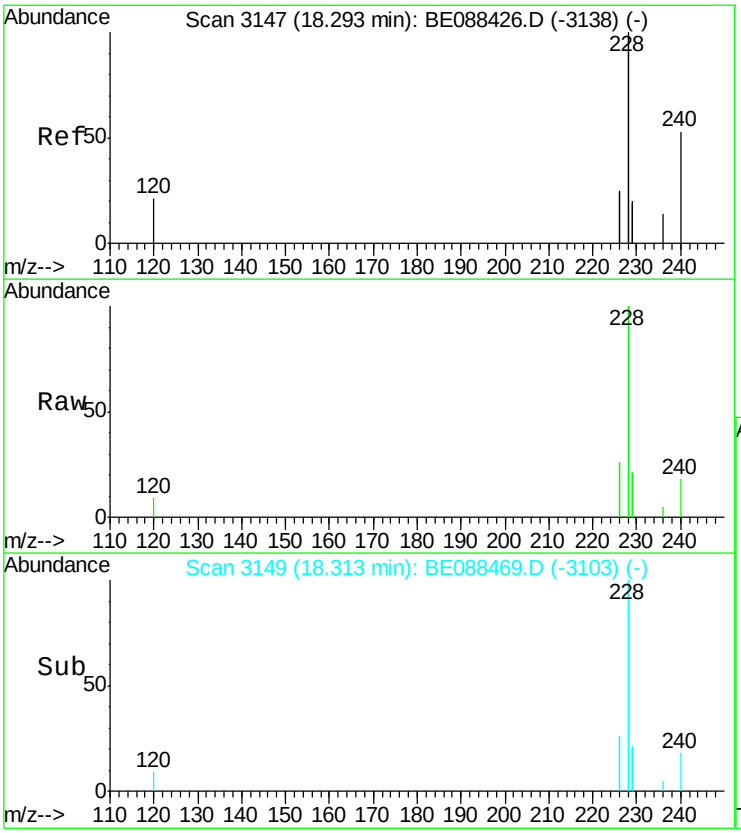
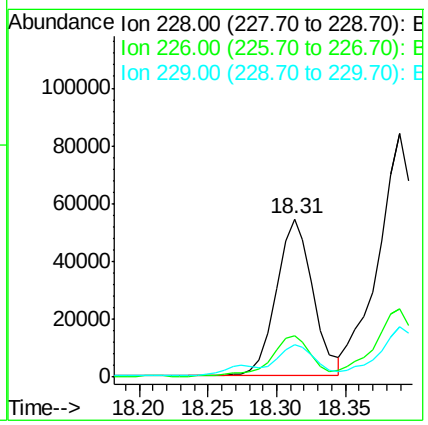


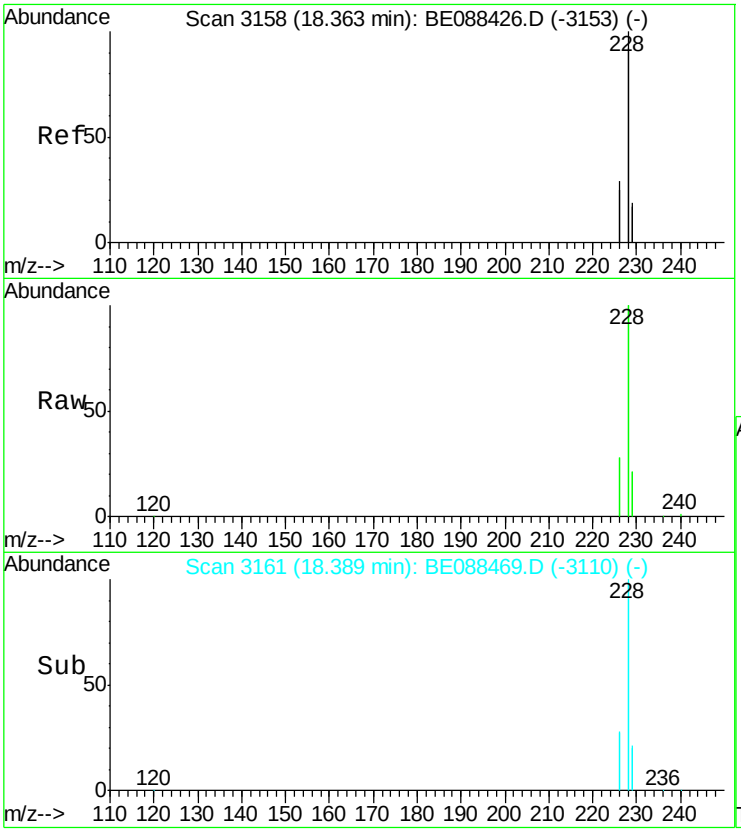


#19
Benzo(a)anthracene
Concen: 2.04 ng
RT: 18.31 min Scan# 3149
Delta R.T. 0.02 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:228 Resp: 101362

Ion	Ratio	Lower	Upper
228	100		
226	25.8	19.8	29.6
229	20.8	16.0	24.0





#20
Chrysene
Concen: 3.24 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.03 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:228 Resp: 158258

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.6	35.4
229	20.9	15.4	23.2

Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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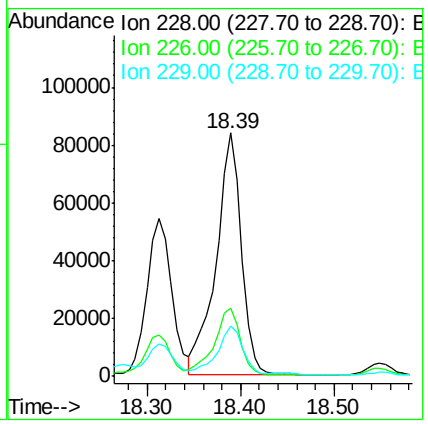
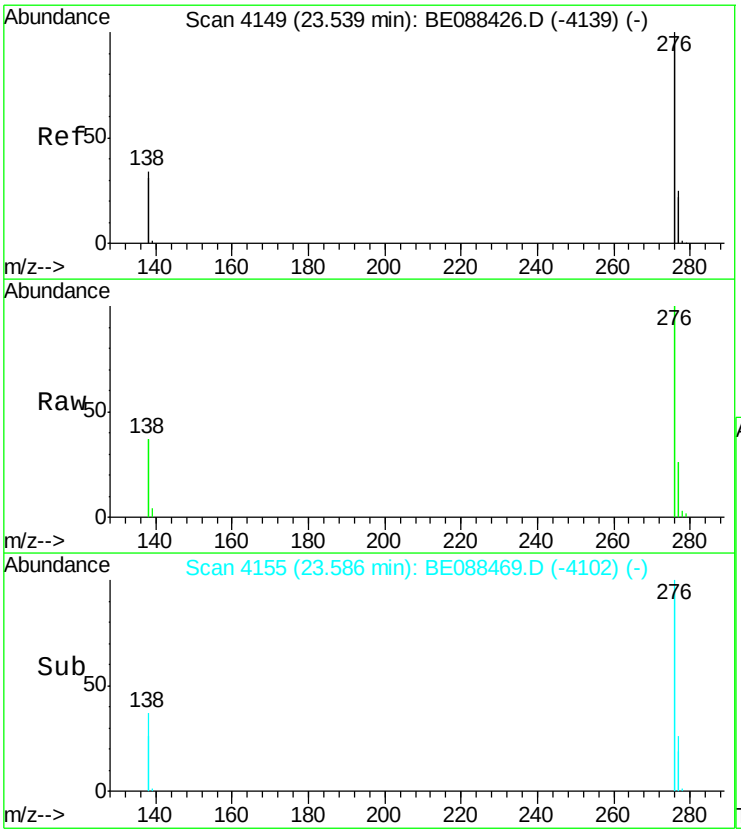
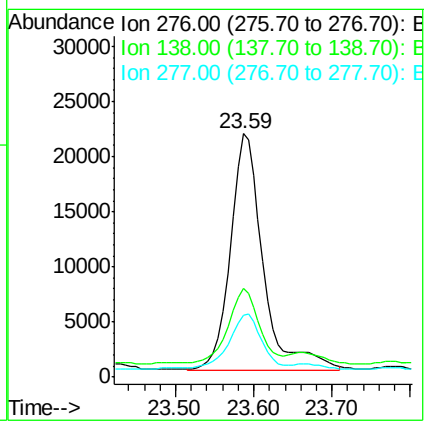


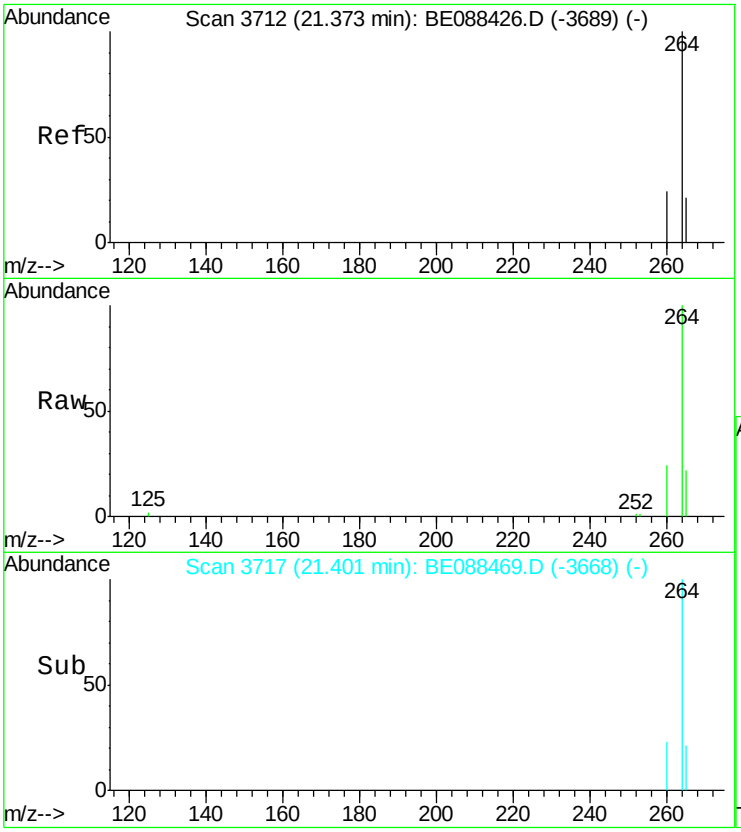


#21
Indeno(1,2,3-cd)pyrene
Concen: 1.39 ng m
RT: 23.59 min Scan# 4155
Delta R.T. 0.05 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:276 Resp: 63527

Ion	Ratio	Lower	Upper
276	100		
138	29.4	20.2	30.2
277	22.4	14.8	22.2#





#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3717
Delta R.T. 0.03 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:264 Resp: 51073

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.9	17.2	25.8

Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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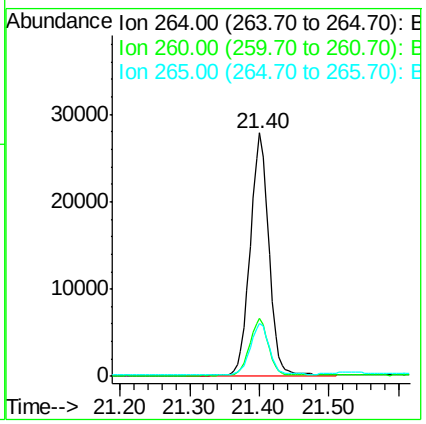
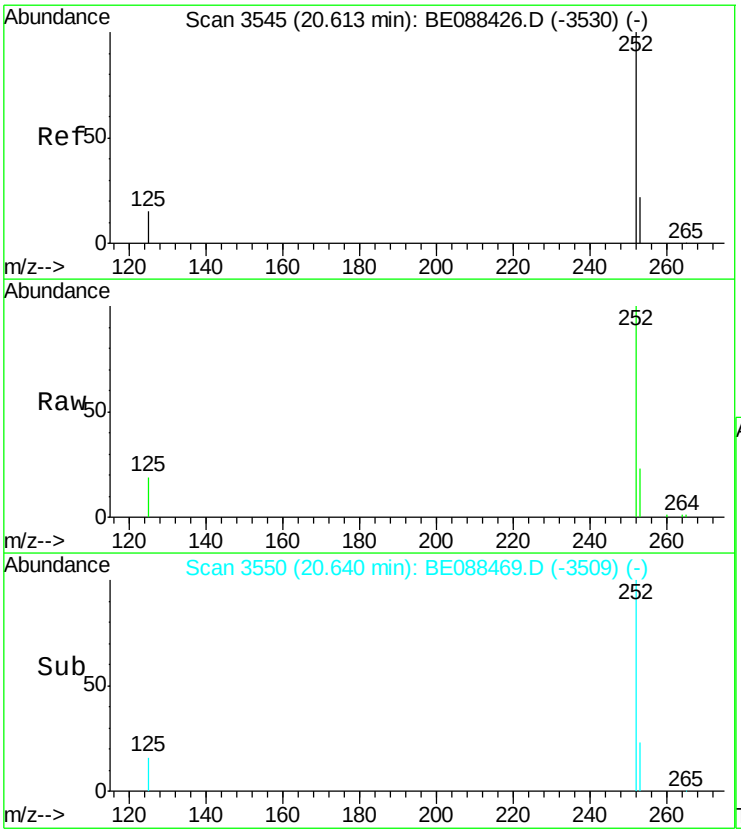
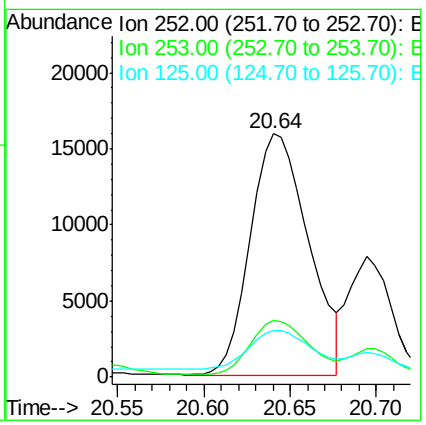


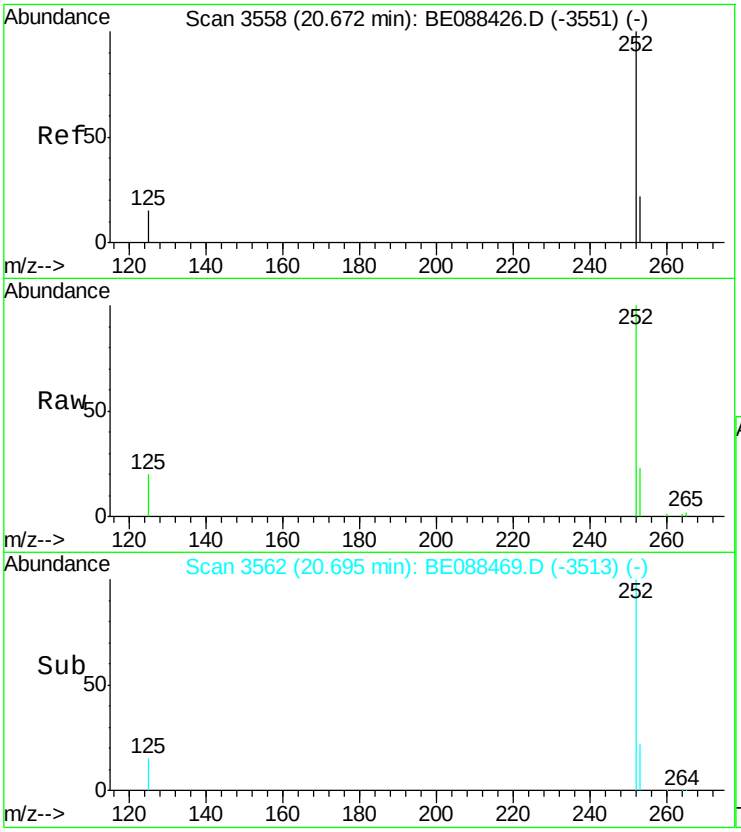


#23
Benzo(b)fluoranthene
Concen: 3.32 ng
RT: 20.64 min Scan# 3550
Delta R.T. 0.03 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:252 Resp: 37127

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	19.1	12.3	18.5#





#24
Benzo(k)fluoranthene
Concen: 1.09 ng
RT: 20.69 min Scan# 3562
Delta R.T. 0.02 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Instrument :
BNA_E
ClientSampleId :
YS19-SS41-1014RE

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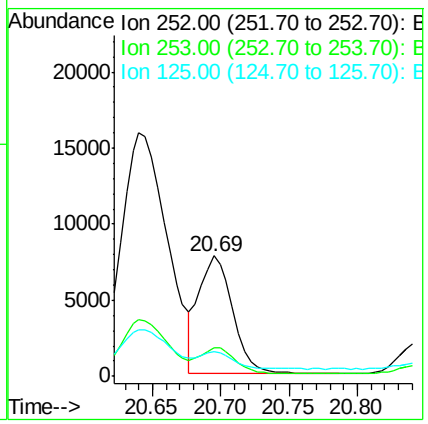
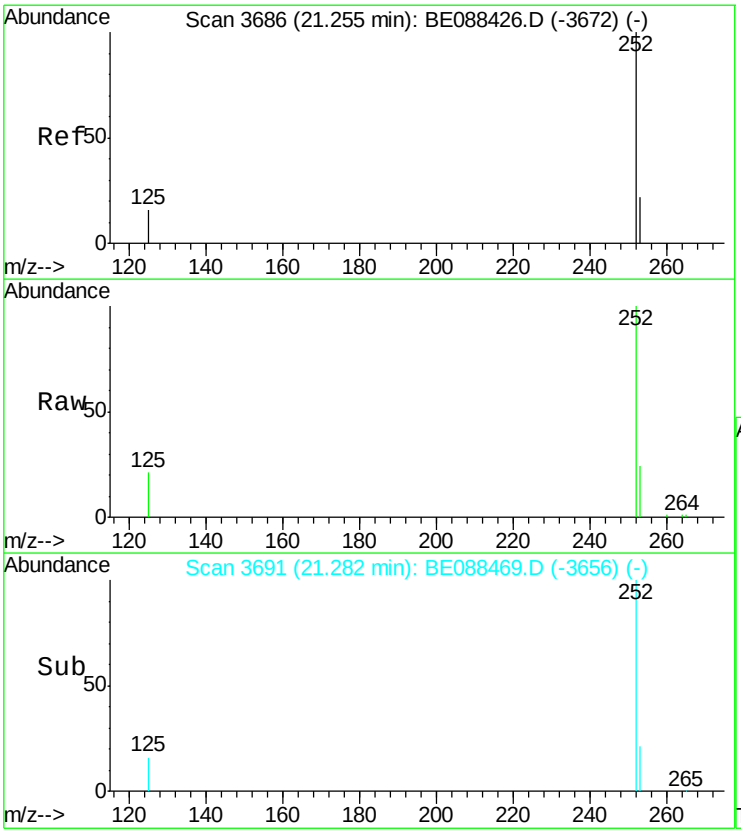
Tgt Ion:252 Resp: 13406

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	20.4	12.2	18.4#

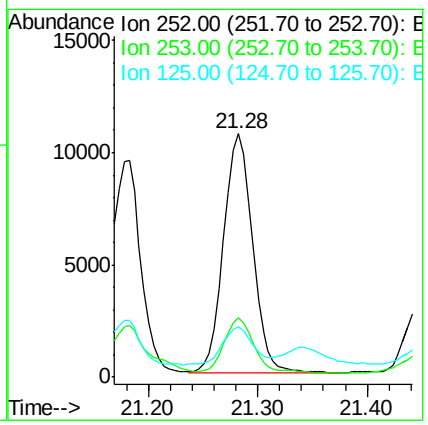


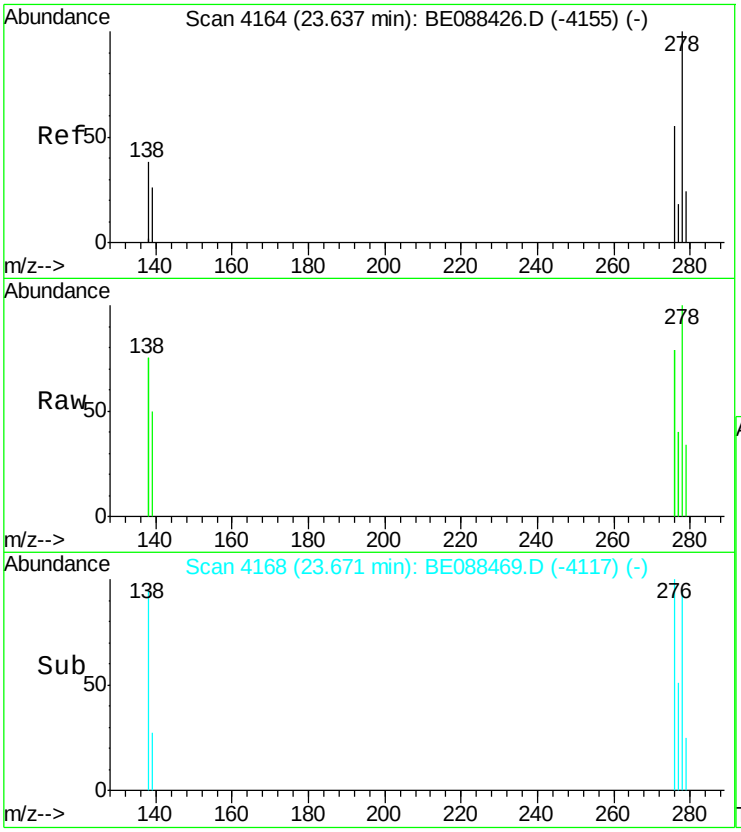


#25
Benzo(a)pyrene
Concen: 1.82 ng
RT: 21.28 min Scan# 3691
Delta R.T. 0.03 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:252 Resp: 19615

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	20.8	13.7	20.5#

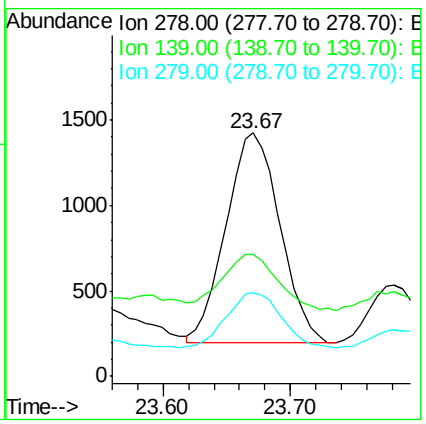




#26
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 23.67 min Scan# 4168
Delta R.T. 0.03 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:278 Resp: 3627

Ion	Ratio	Lower	Upper
278	100		
139	49.9	22.1	33.1#
279	34.1	19.7	29.5#



Instrument :
BNA_E
ClientSampleId :
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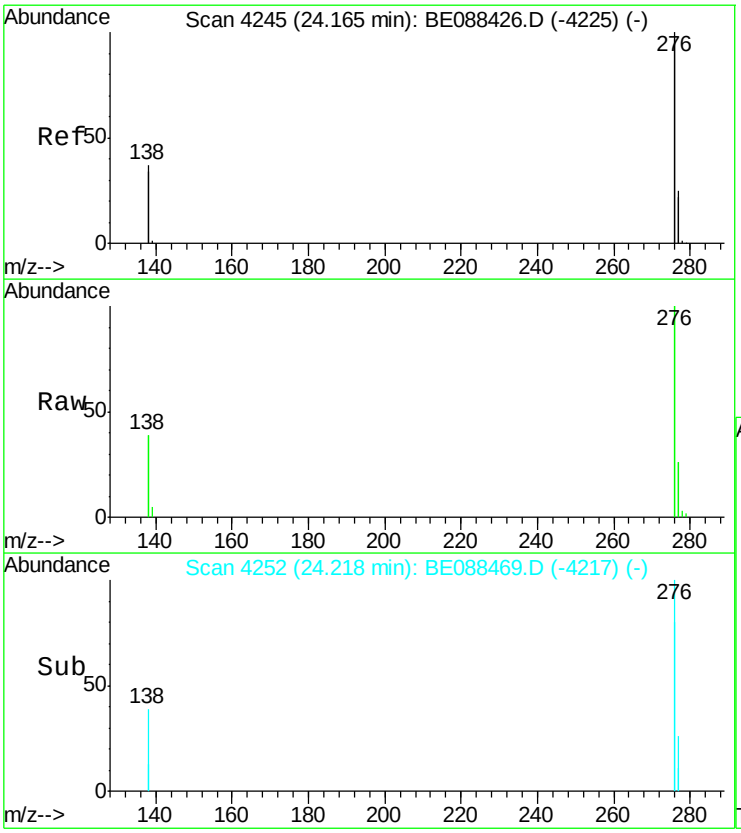

#27
Benzo(g,h,i)perylene
Concen: 1.28 ng
RT: 24.22 min Scan# 4252
Delta R.T. 0.05 min
Lab File: BE088469.D
Acq: 2 Nov 2014 1:26

Tgt Ion:276 Resp: 58715

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.8	29.6
138	39.0	29.3	43.9