Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088193.D
Acq On : 22 Oct 2014 21:37
Operator : TP/JJ
Sample : F4325-04MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

Manual Integrations APPROVED
mohammad
10/28/2014 12:07:06 PM

Quant Time: Oct 27 04:40:53 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	30702	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	120335	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	59380	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	84652	5.00	ng	0.00
16) Chrysene-d12	18.39	240	53056	5.00	ng	0.00
22) Perylene-d12	21.45	264	55518	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	72726	8.38	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	174315	10.63	ng	0.00
18) Terphenyl-d14	16.15	244	134323	15.73	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.31	88	24167	5.47	ng	98
5) Naphthalene	8.73	128	154787	6.24	ng	99
6) 2-Methylnaphthalene	9.58	142	101666	6.85	ng	97
9) Acenaphthylene	10.67	152	561864	6.21	ng	100
10) Acenaphthene	10.88	154	81681	5.85	ng	99
11) Fluorene	11.55	166	91847	6.21	ng	99
13) Phenanthrene	13.01	178	515706	8.42	ng	94
14) Anthracene	13.09	178	501477	7.59	ng	99
15) Fluoranthene	15.25	202	120494	7.48	ng	99
17) Pyrene	15.71	202	120837	8.38	ng	99
19) Benzo(a)anthracene	18.36	228	343852	7.29	ng	99
20) Chrysene	18.45	228	328604	7.10	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	421749m	8.20	ng	
23) Benzo(b)fluoranthene	20.69	252	89856	6.80	ng	99
24) Benzo(k)fluoranthene	20.75	252	90837	6.42	ng	99
25) Benzo(a)pyrene	21.33	252	89897	7.39	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	81044	6.79	ng	97
27) Benzo(g,h,i)perylene	24.28	276	373670	7.08	ng	98

(#) = 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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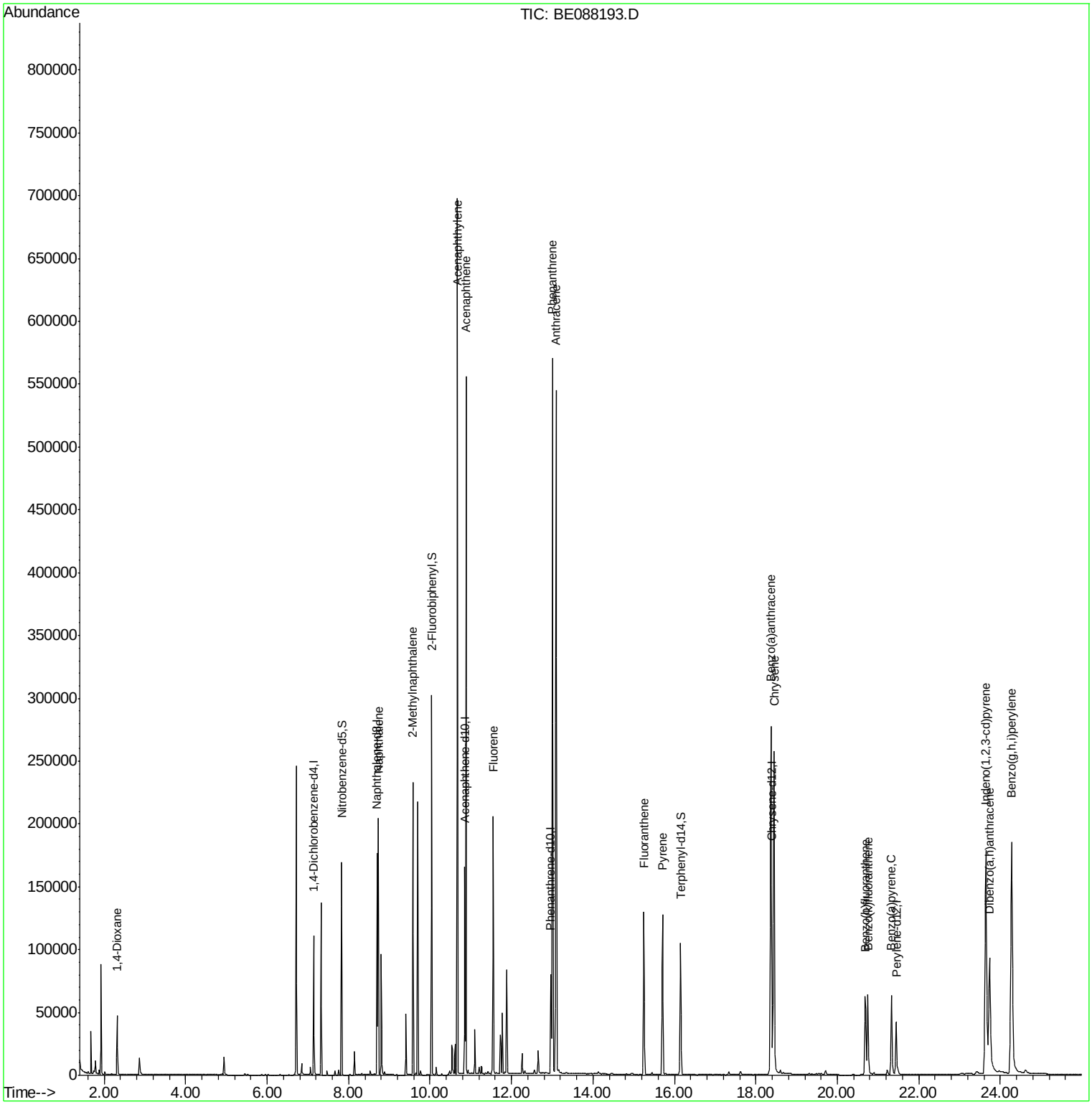
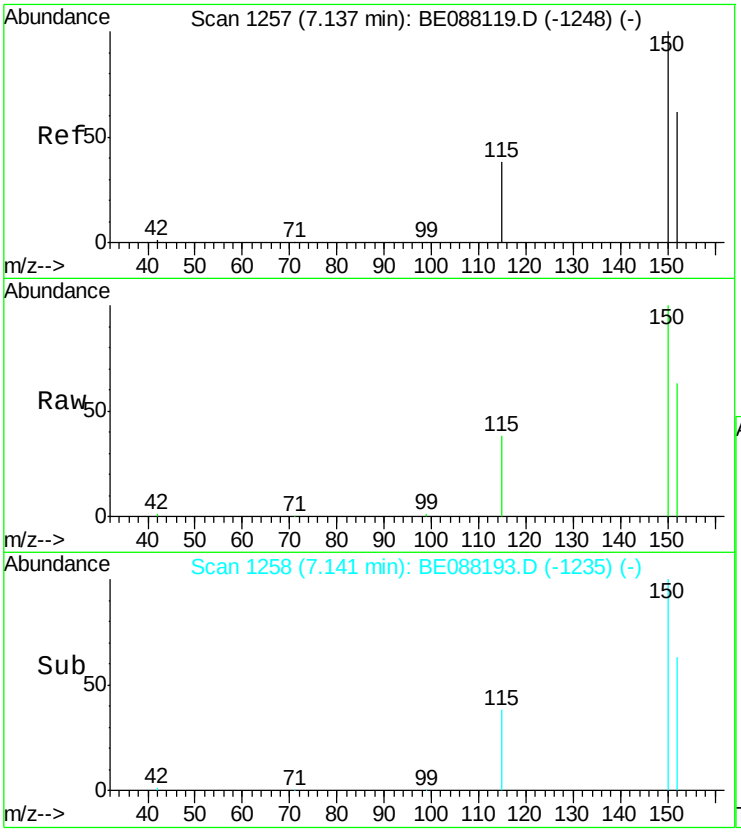
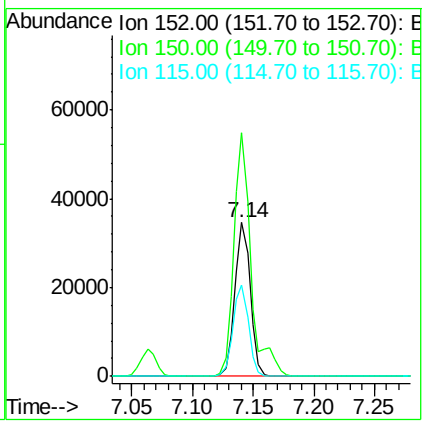




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:152 Resp: 30702

Ion	Ratio	Lower	Upper
152	100		
150	158.2	129.2	193.8
115	59.5	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

Manual Integrations APPROVED
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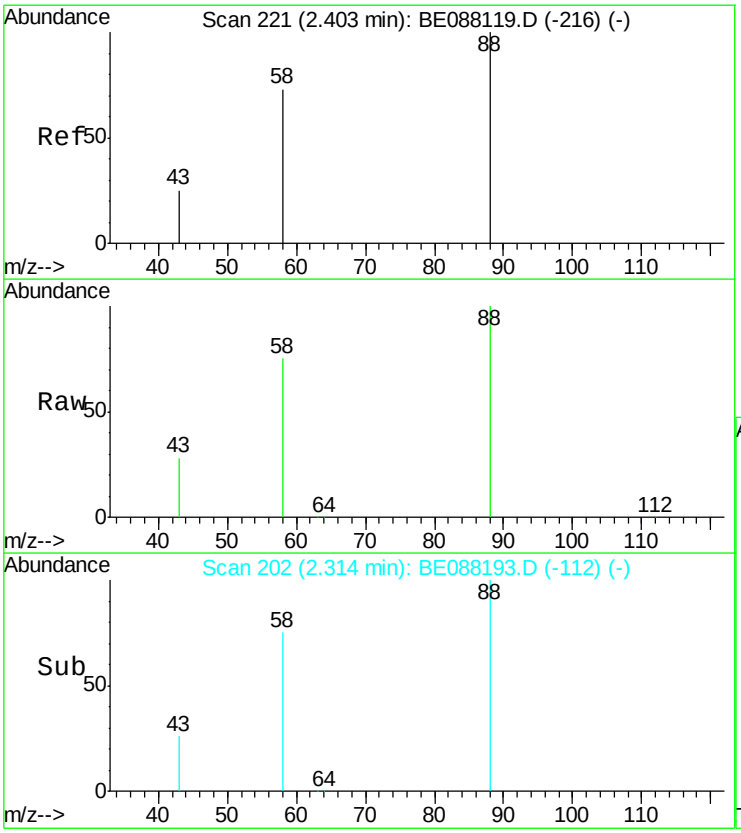
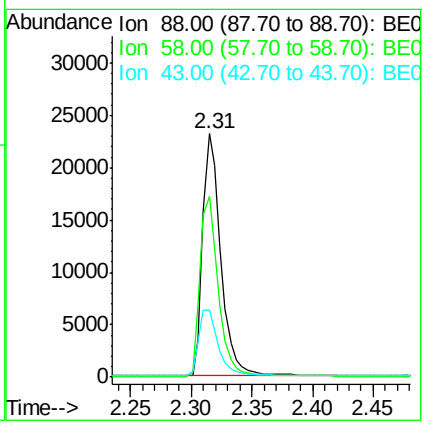
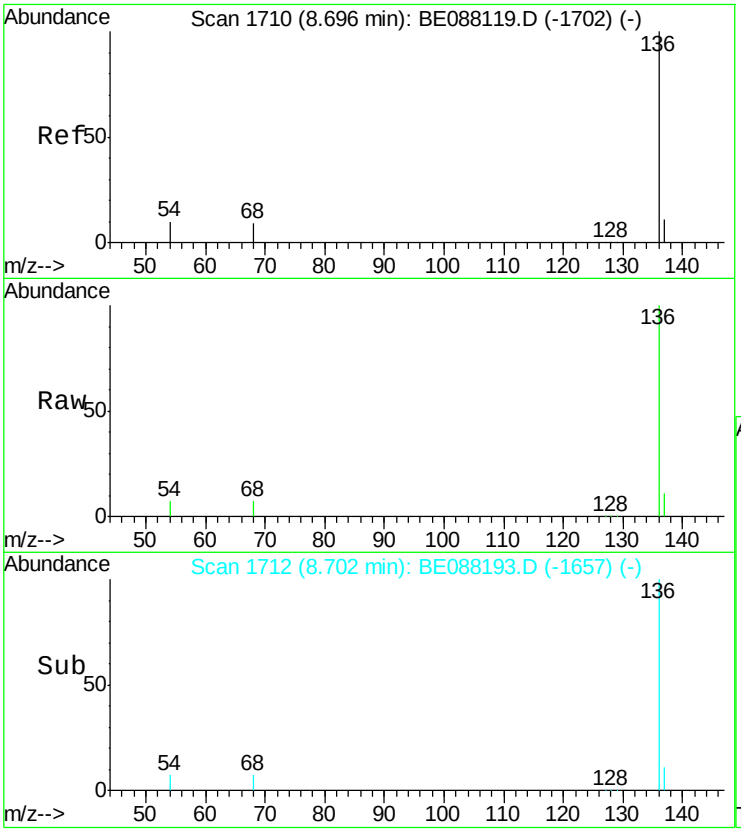


#2
1,4-Dioxane
Concen: 5.47 ng
RT: 2.31 min Scan# 202
Delta R.T. -0.09 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion: 88 Resp: 24167

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.5	89.3
43	28.7	21.2	31.8

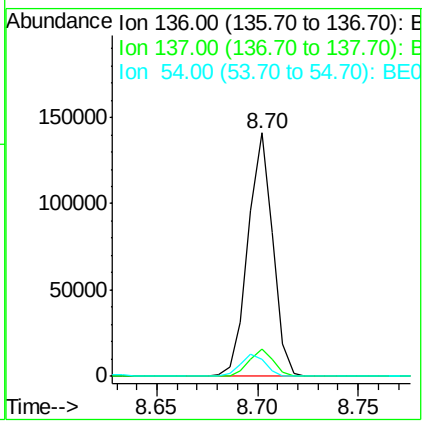




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:136 Resp: 120335

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.2	7.7	11.5#



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

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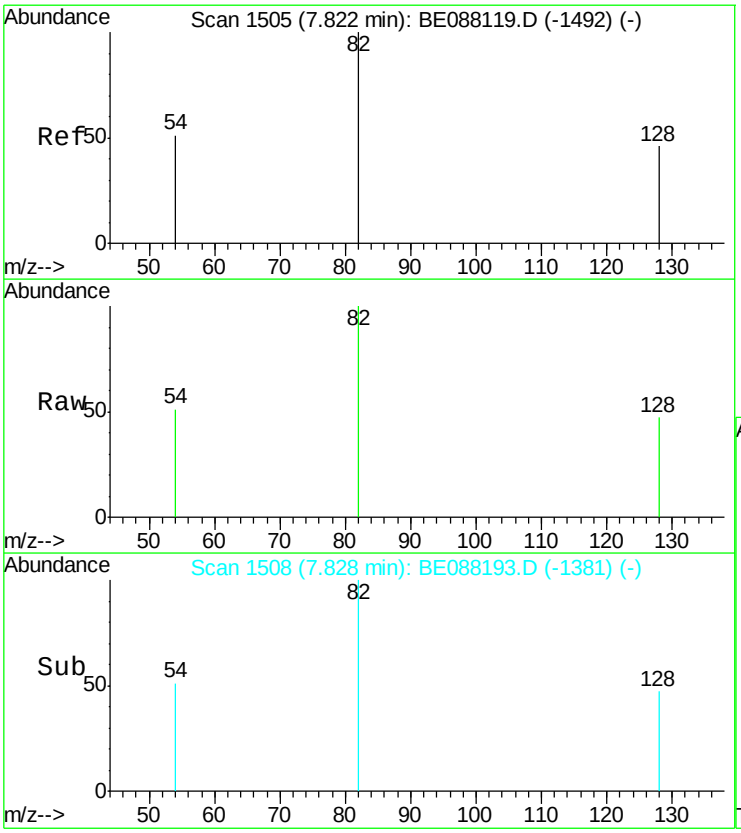
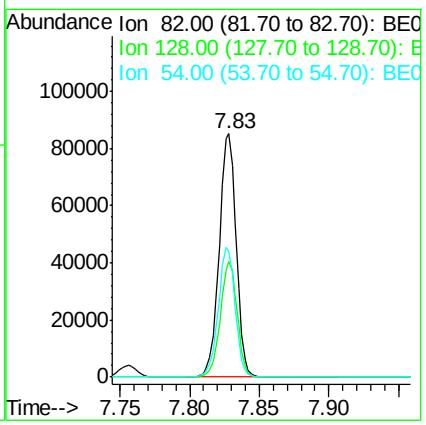
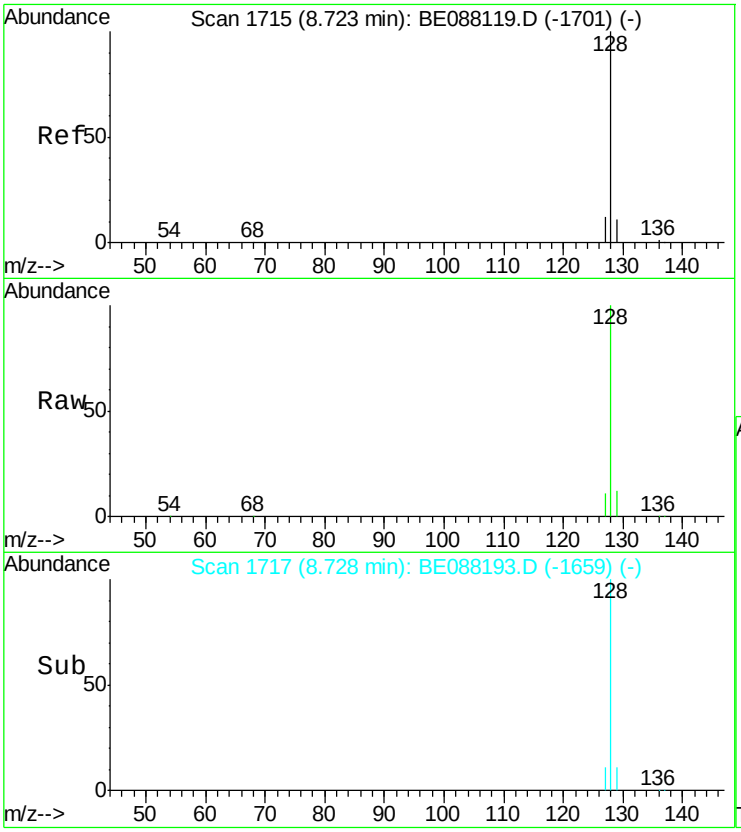


#4
Nitrobenzene-d5
Concen: 8.38 ng
RT: 7.83 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion: 82 Resp: 72726

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

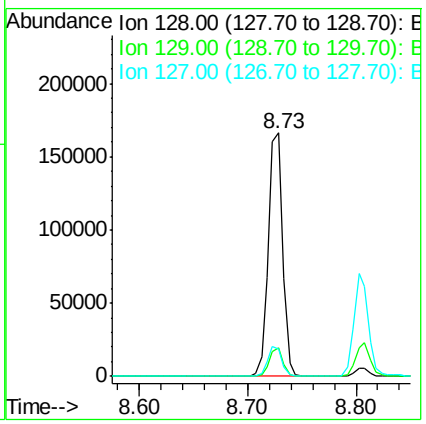




#5
Naphthalene
Concen: 6.24 ng
RT: 8.73 min Scan# 1717
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:128 Resp: 154787

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.9	13.3
127	11.4	9.7	14.5



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

Manual Integrations APPROVED
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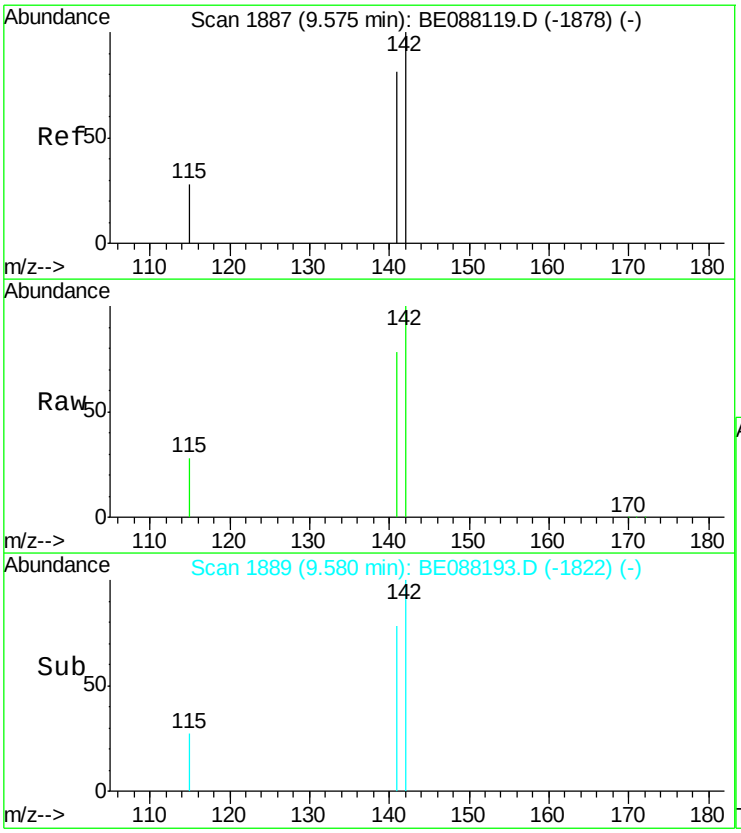
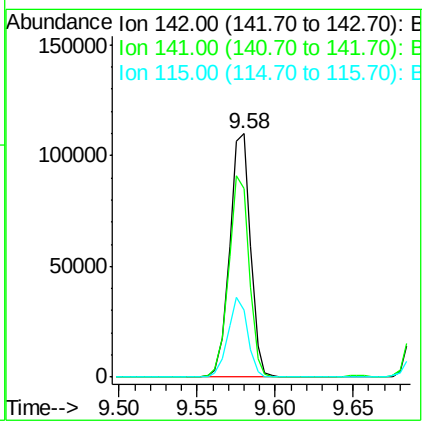
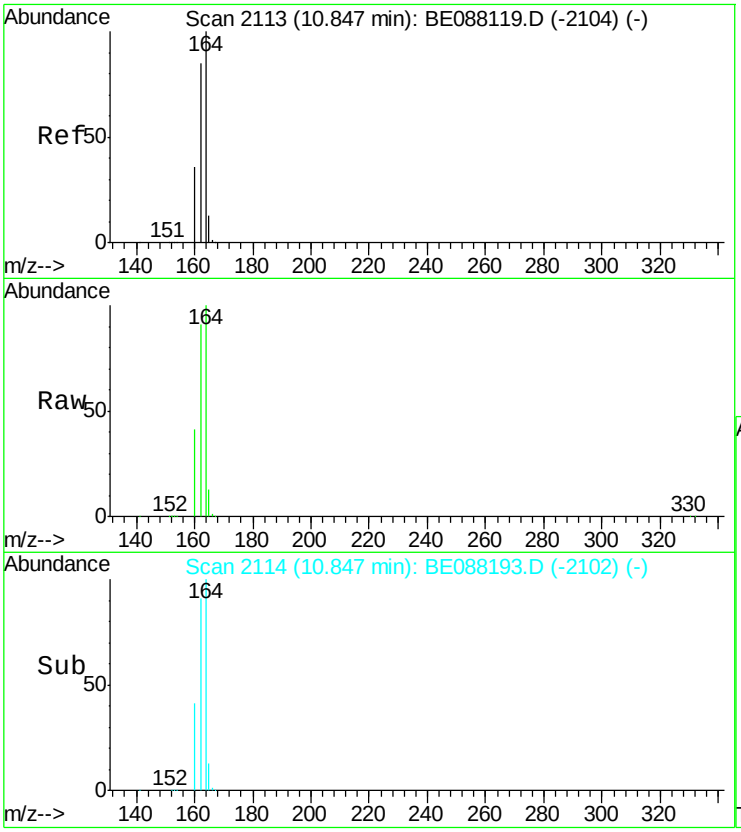


#6
2-Methylnaphthalene
Concen: 6.85 ng
RT: 9.58 min Scan# 1889
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:142 Resp: 101666

Ion	Ratio	Lower	Upper
142	100		
141	77.5	64.6	97.0
115	27.5	22.6	34.0

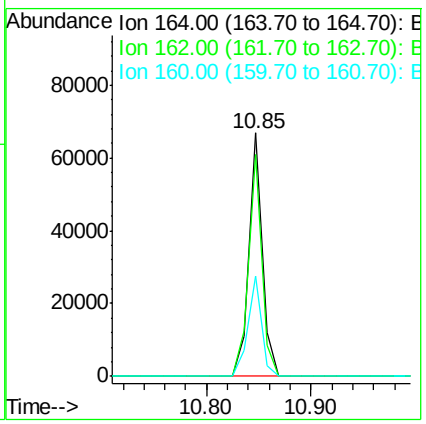




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:164 Resp: 59380

Ion	Ratio	Lower	Upper
164	100		
162	91.2	68.3	102.5
160	41.0	28.7	43.1



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

Manual Integrations APPROVED
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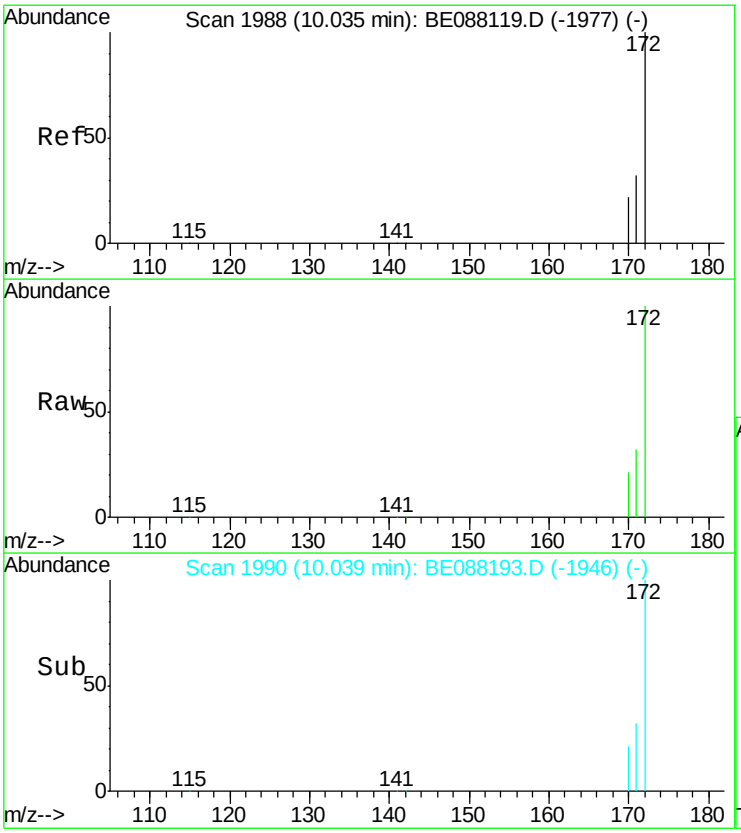
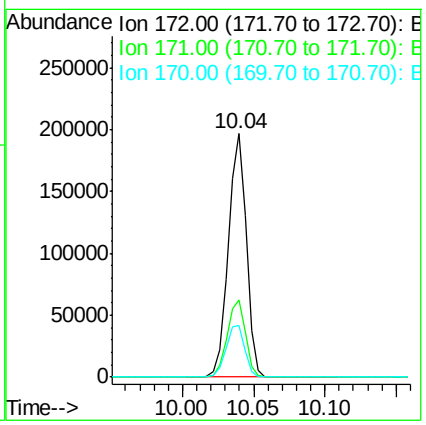
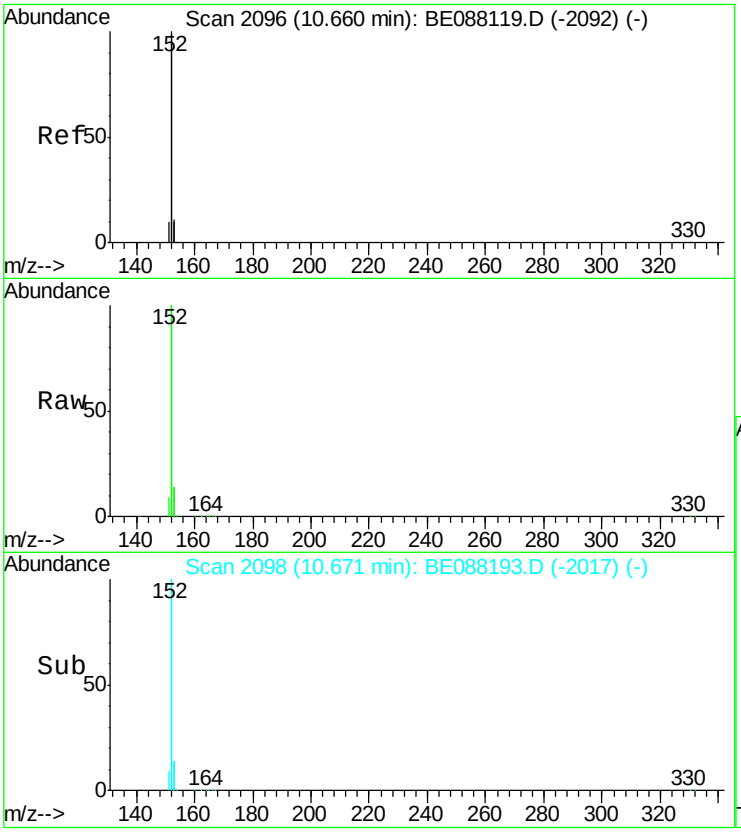


#8
2-Fluorobiphenyl
Concen: 10.63 ng
RT: 10.04 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:172 Resp: 174315

Ion	Ratio	Lower	Upper
172	100		
171	31.8	25.4	38.2
170	21.4	17.4	26.2





#9
Acenaphthylene
Concen: 6.21 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

Manual Integrations APPROVED
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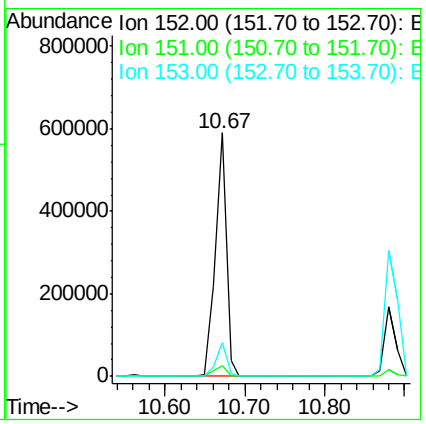
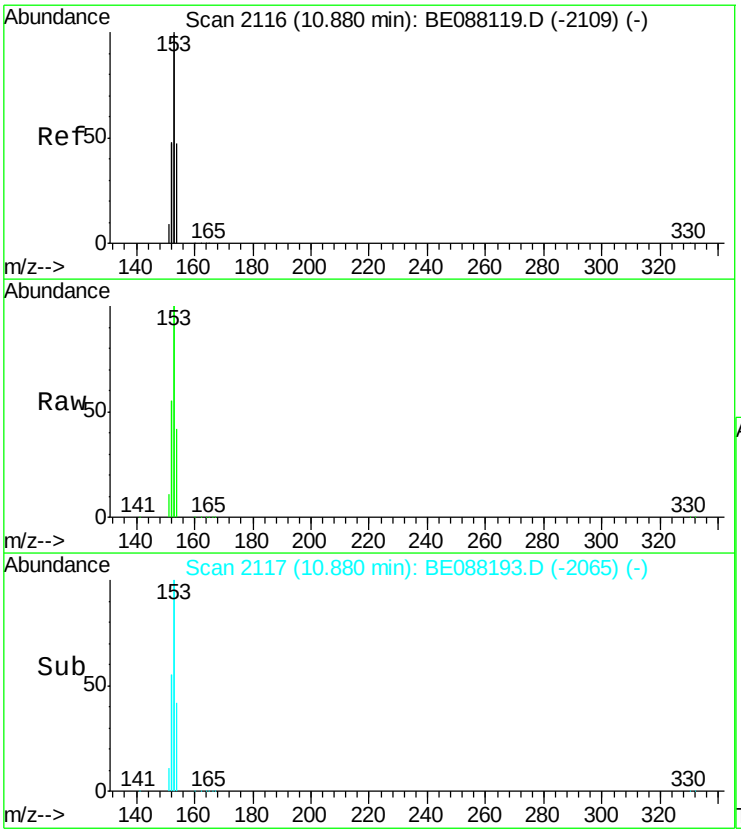
Tgt Ion:152 Resp: 561864

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	12.9	10.4	15.6

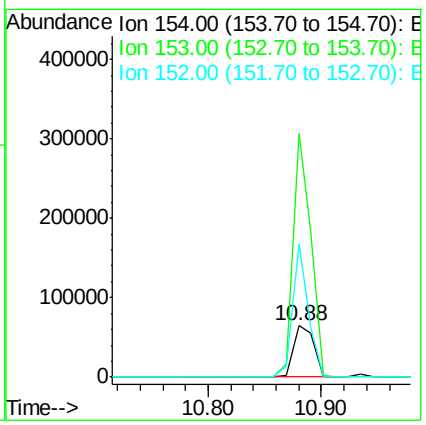


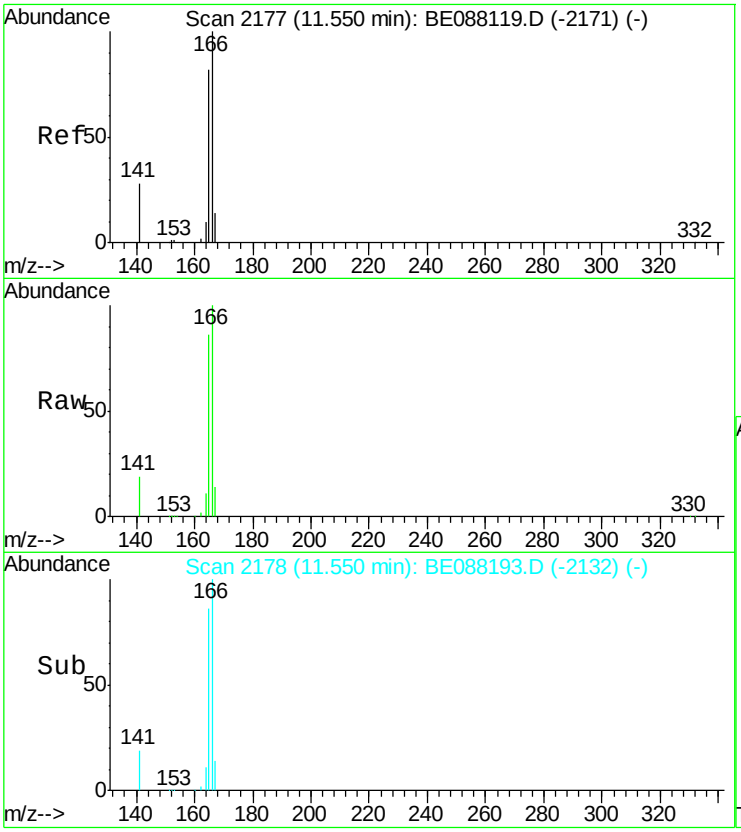


#10
Acenaphthene
Concen: 5.85 ng
RT: 10.88 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:154 Resp: 81681

Ion	Ratio	Lower	Upper
154	100		
153	412.1	327.8	491.6
152	198.0	157.6	236.4





#11
Fluorene
Concen: 6.21 ng
RT: 11.55 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:166 Resp: 91847

Ion	Ratio	Lower	Upper
166	100		
165	89.8	71.4	107.2
167	13.4	10.6	16.0

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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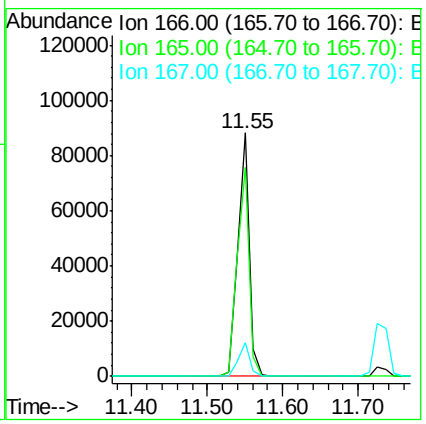
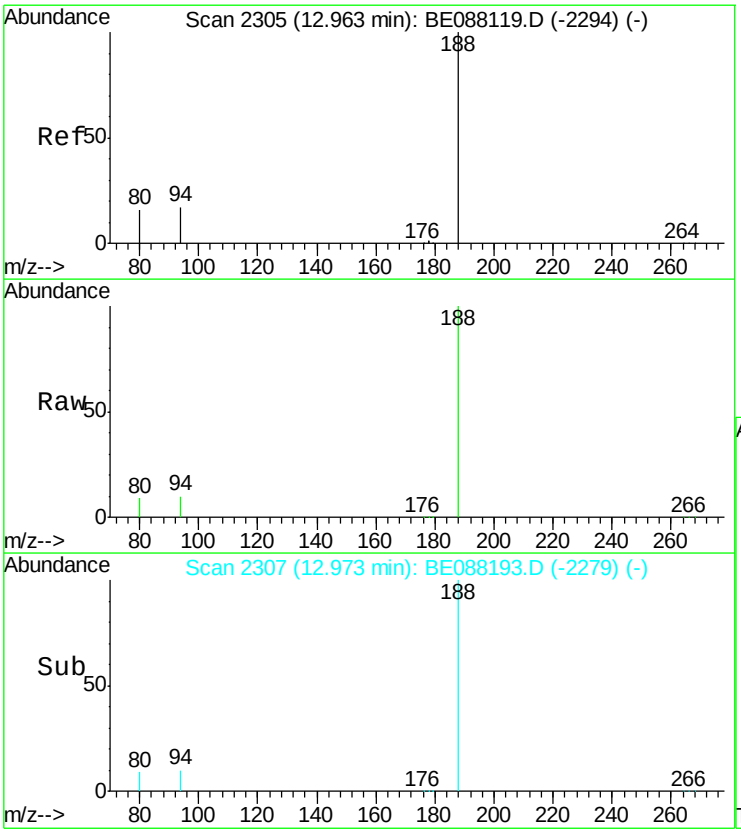
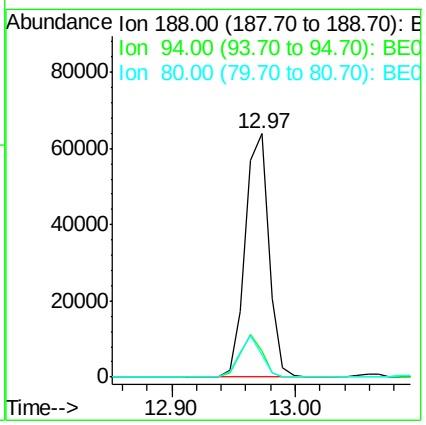


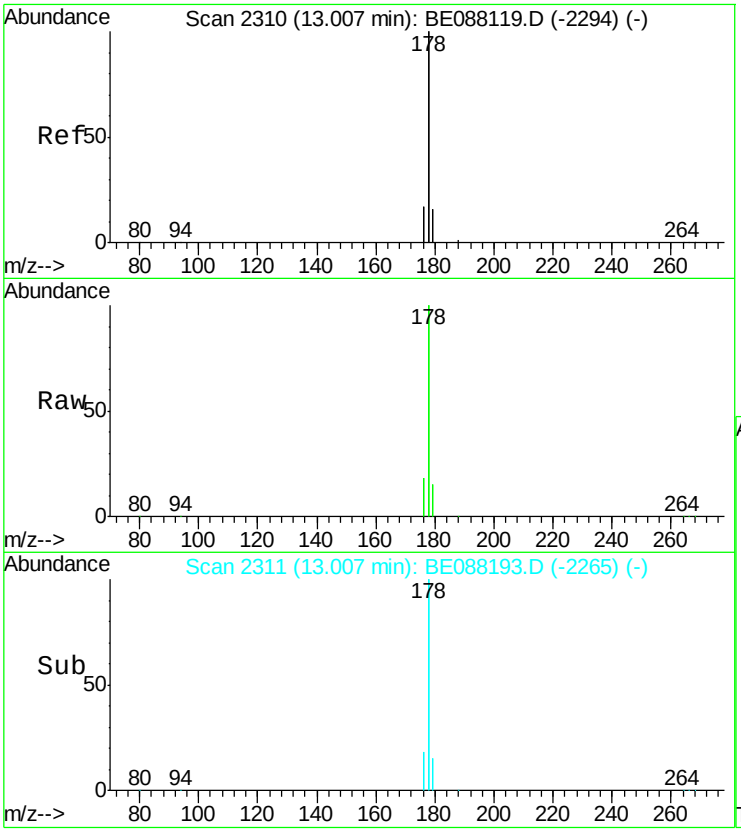


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:188 Resp: 84652

Ion	Ratio	Lower	Upper
188	100		
94	10.4	13.9	20.9#
80	9.1	12.9	19.3#

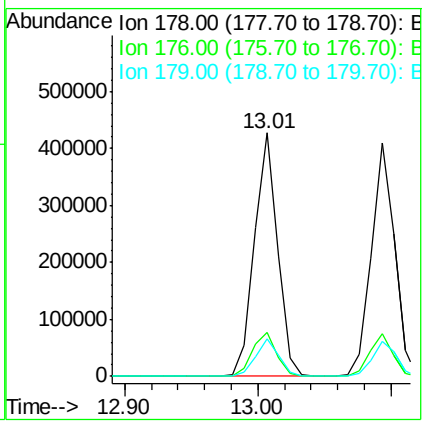




#13
Phenanthrene
Concen: 8.42 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:178 Resp: 515706

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.5	18.7
179	18.8	13.5	20.3



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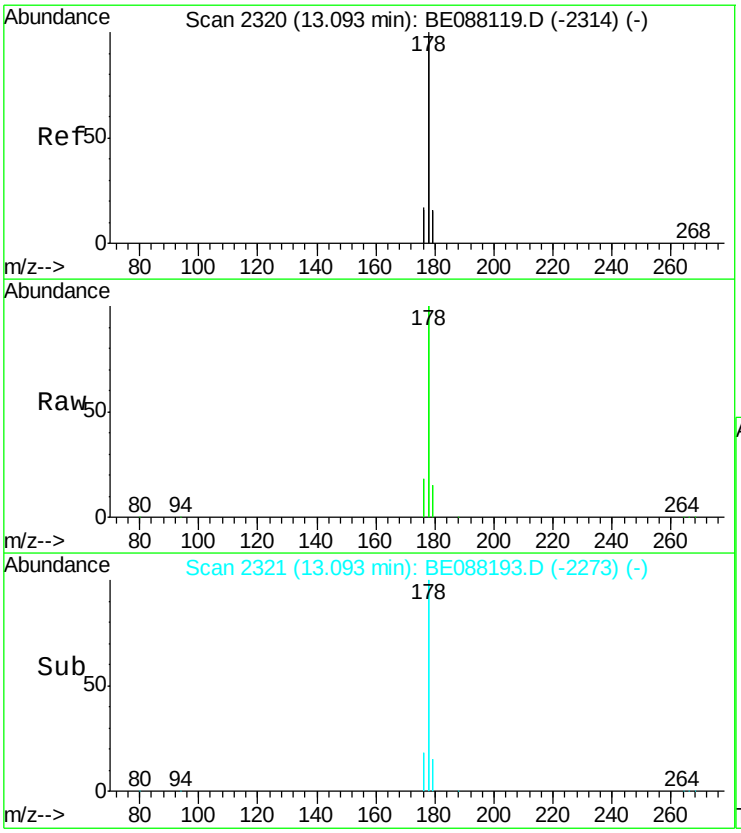
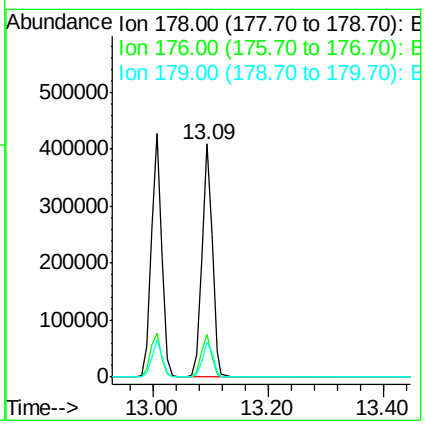
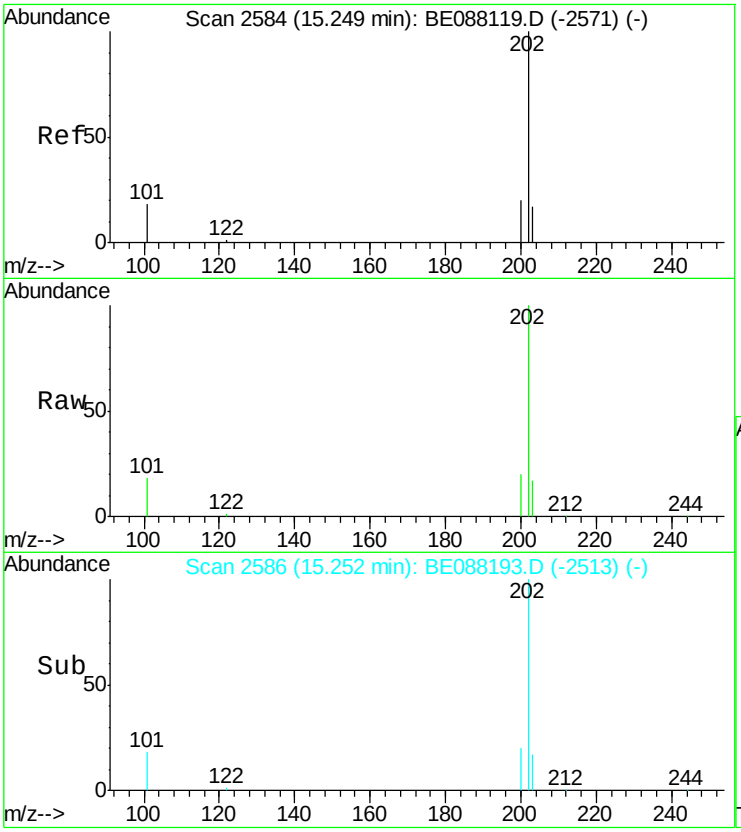


#14
Anthracene
Concen: 7.59 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:178 Resp: 501477

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.3	12.5	18.7

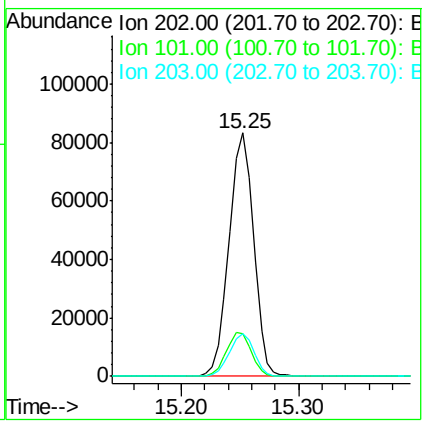




#15
Fluoranthene
Concen: 7.48 ng
RT: 15.25 min Scan# 2586
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:202 Resp: 120494

Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.8	22.2
203	17.3	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

Manual Integrations APPROVED
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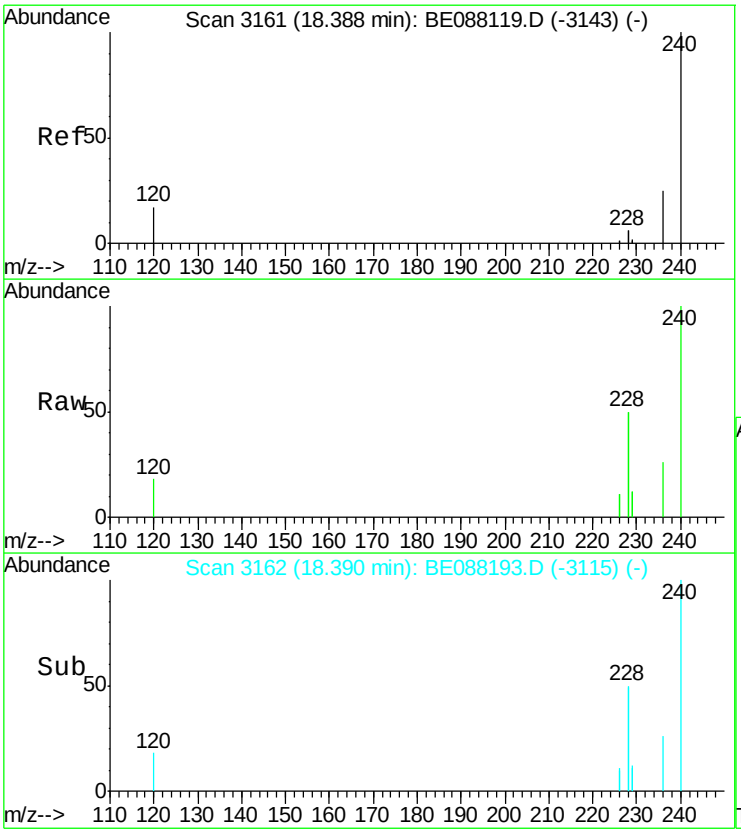
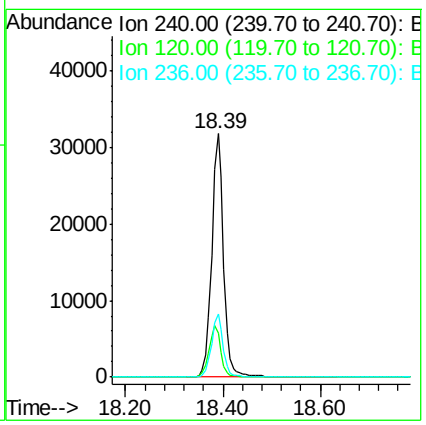
10/28/2014 12:07:06 PM

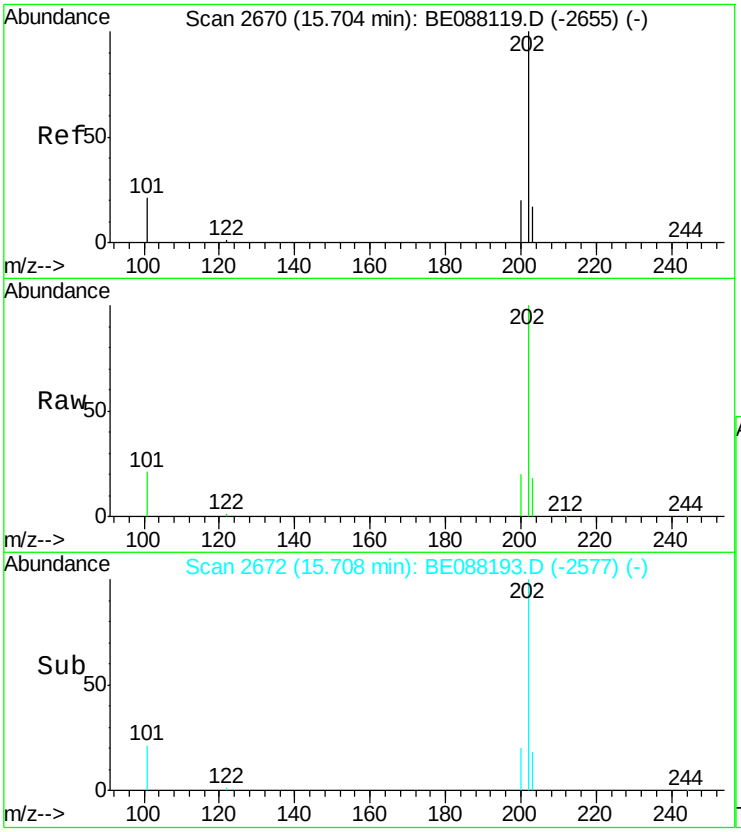


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:240 Resp: 53056

Ion	Ratio	Lower	Upper
240	100		
120	18.2	13.9	20.9
236	25.7	19.9	29.9





#17
Pyrene
Concen: 8.38 ng
RT: 15.71 min Scan# 2672
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:202 Resp: 120837

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	18.0	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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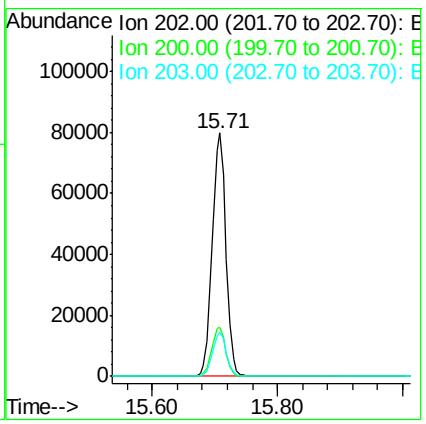
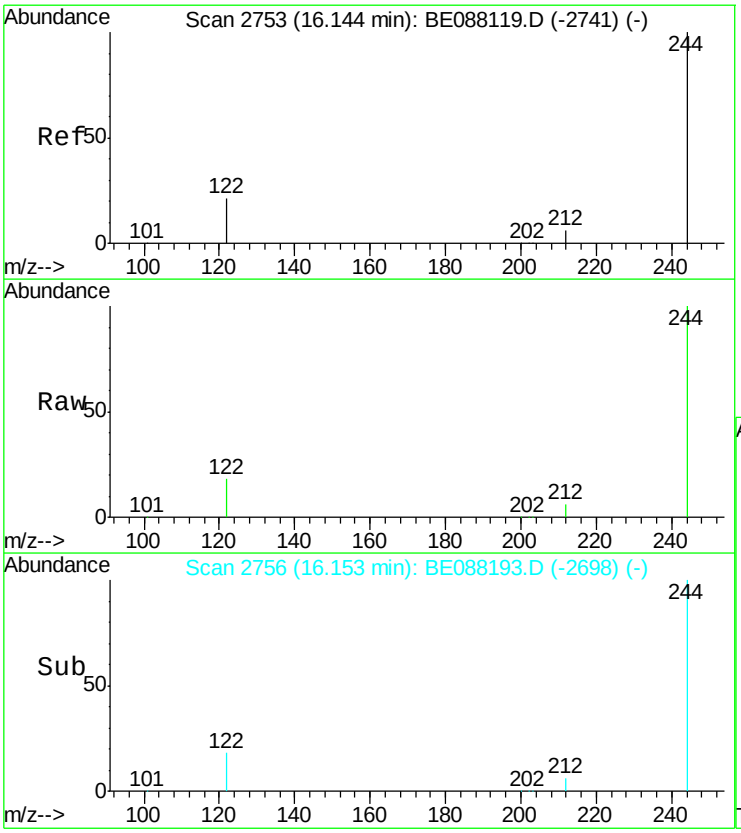
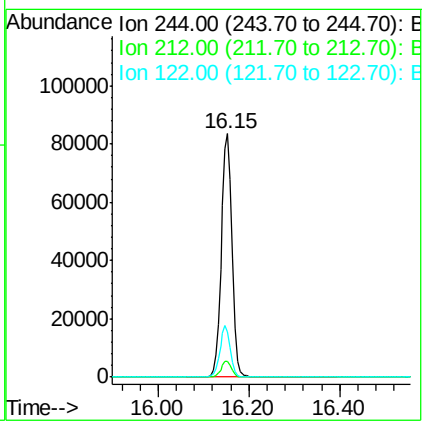


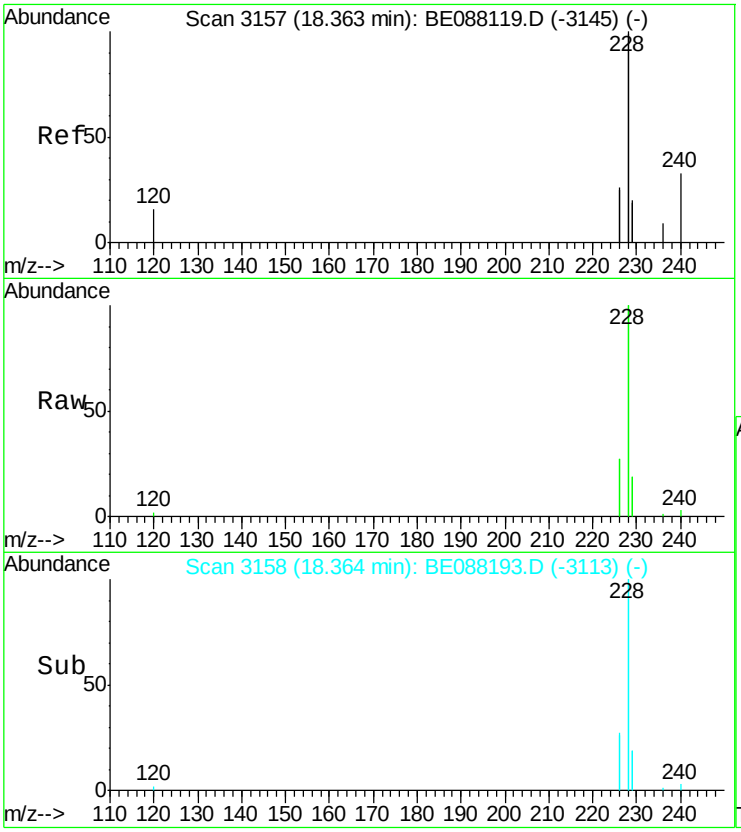


#18
Terphenyl-d14
Concen: 15.73 ng
RT: 16.15 min Scan# 2756
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:244 Resp: 134323

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	18.3	17.5	26.3

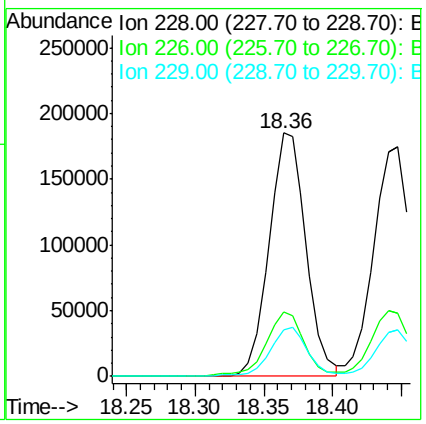




#19
Benzo(a)anthracene
Concen: 7.29 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:228 Resp: 343852

Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.8	31.2
229	19.2	15.6	23.4



Instrument :
BNA_E
ClientSampleId :
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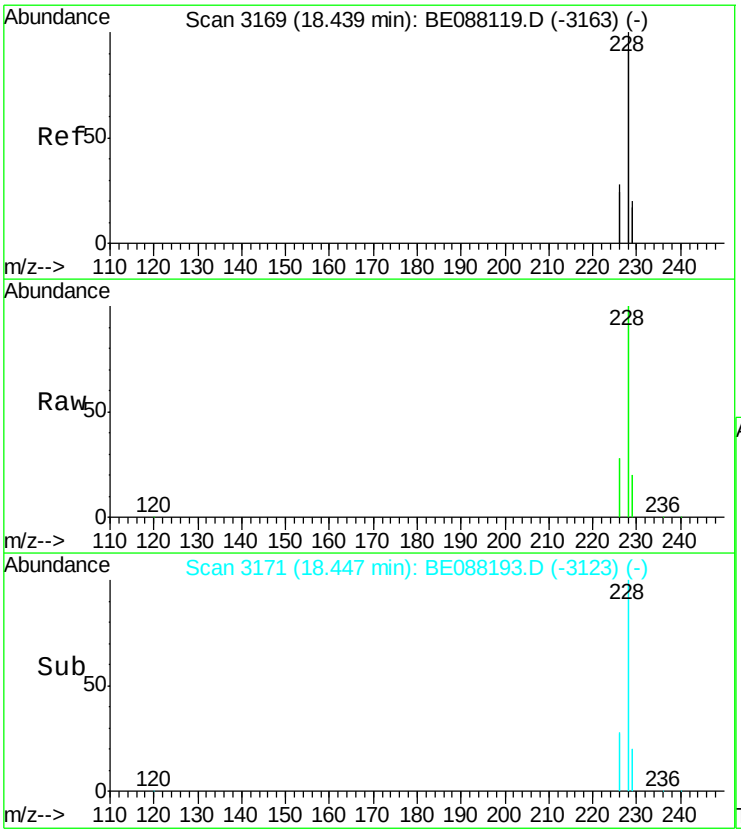
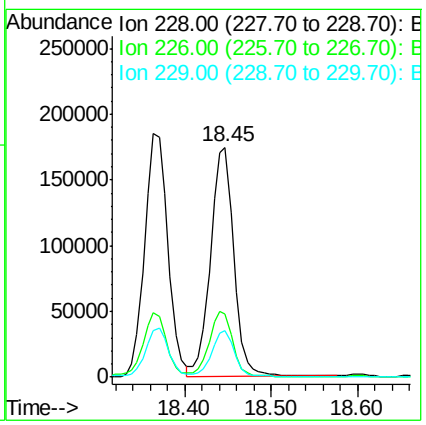
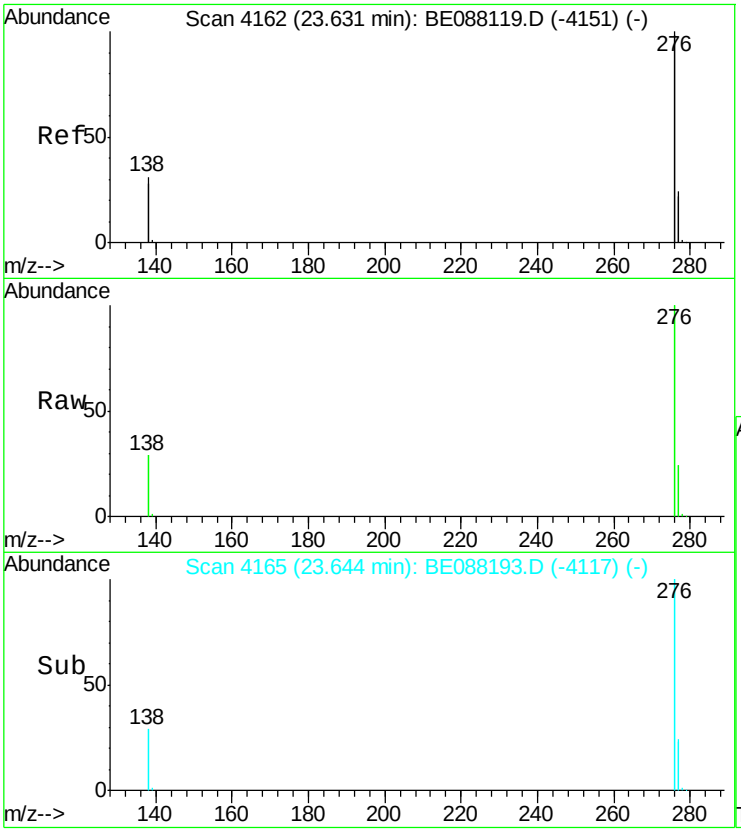


#20
Chrysene
Concen: 7.10 ng
RT: 18.45 min Scan# 3171
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:228 Resp: 328604

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.7	34.1
229	20.0	15.8	23.6

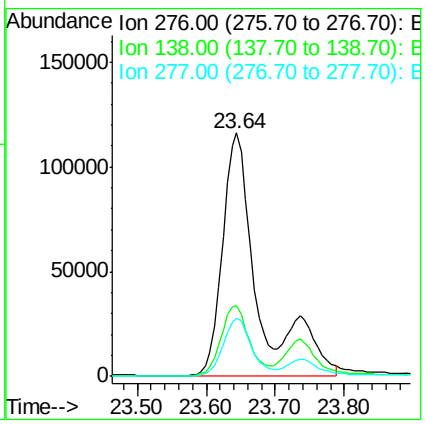




#21
Indeno(1,2,3-cd)pyrene
Concen: 8.20 ng m
RT: 23.64 min Scan# 4165
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:276 Resp: 421749

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.5	27.7
277	18.4	14.6	21.8



Instrument :
BNA_E
ClientSampleId :
YS19-SB19-1014MSD

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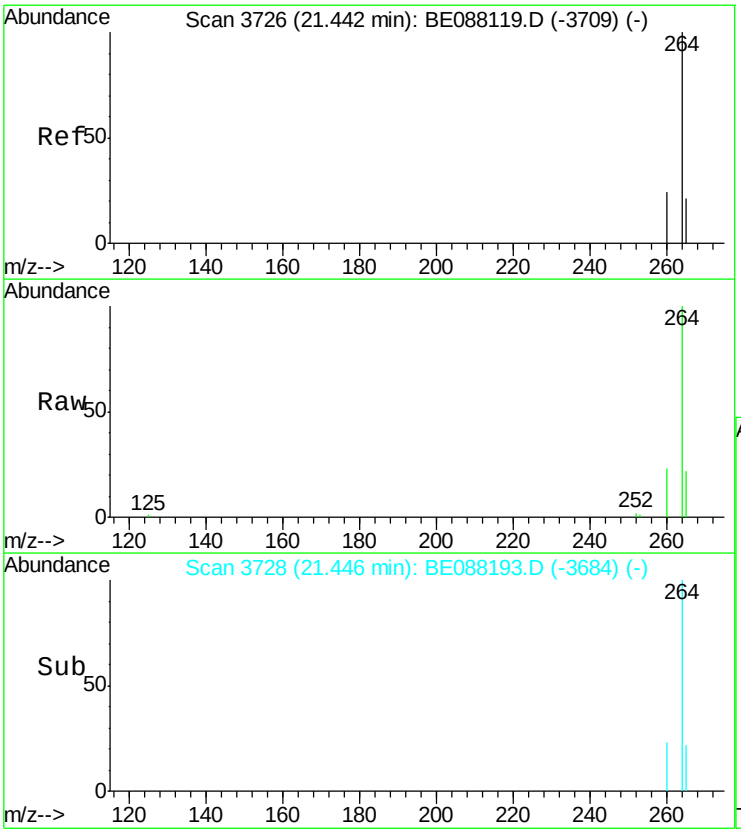
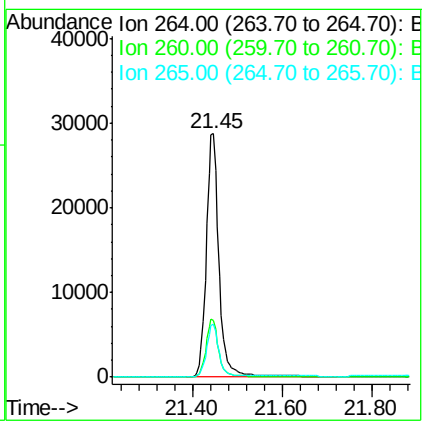
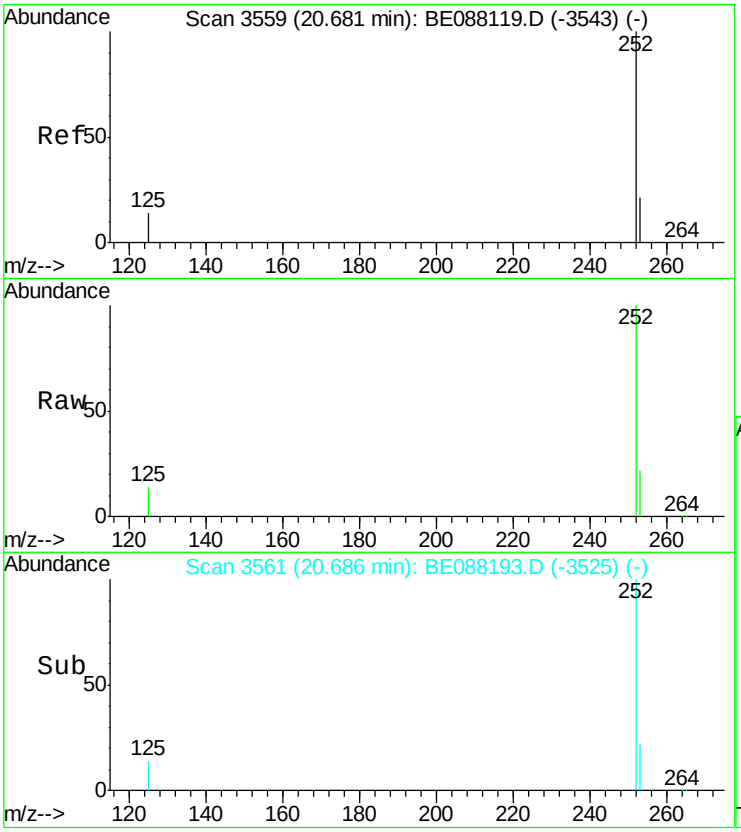


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3728
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:264 Resp: 55518

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.9	17.2	25.8

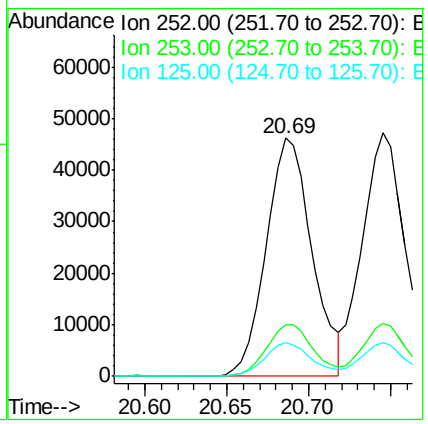




#23
Benzo(b)fluoranthene
Concen: 6.80 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:252 Resp: 89856

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	14.1	11.8	17.8



Instrument :
BNA_E
ClientSampleId :
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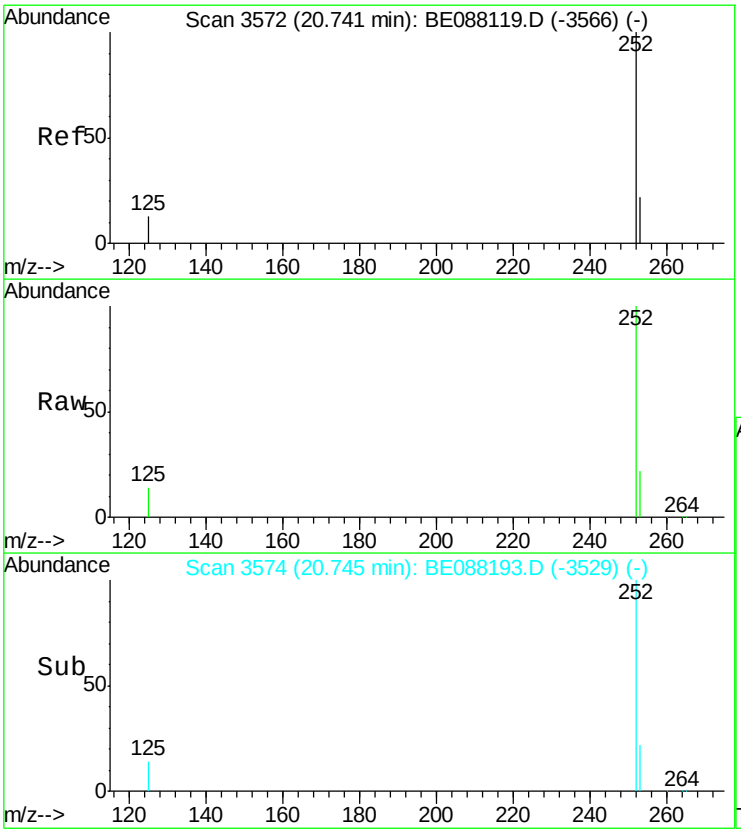
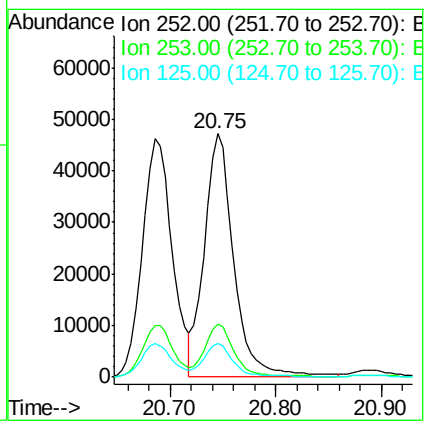
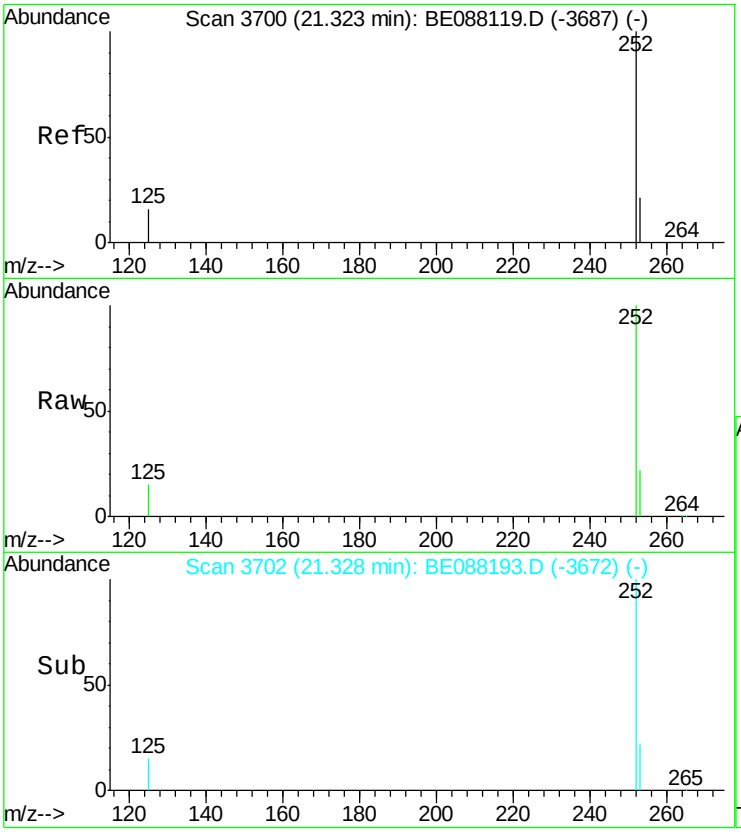


#24
Benzo(k)fluoranthene
Concen: 6.42 ng
RT: 20.75 min Scan# 3574
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:252 Resp: 90837

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.0	11.5	17.3





#25
Benzo(a)pyrene
Concen: 7.39 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:252 Resp: 89897

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	15.2	13.0	19.6

Instrument :
BNA_E
ClientSampleId :
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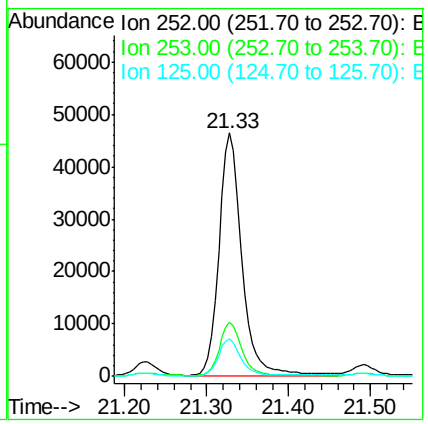
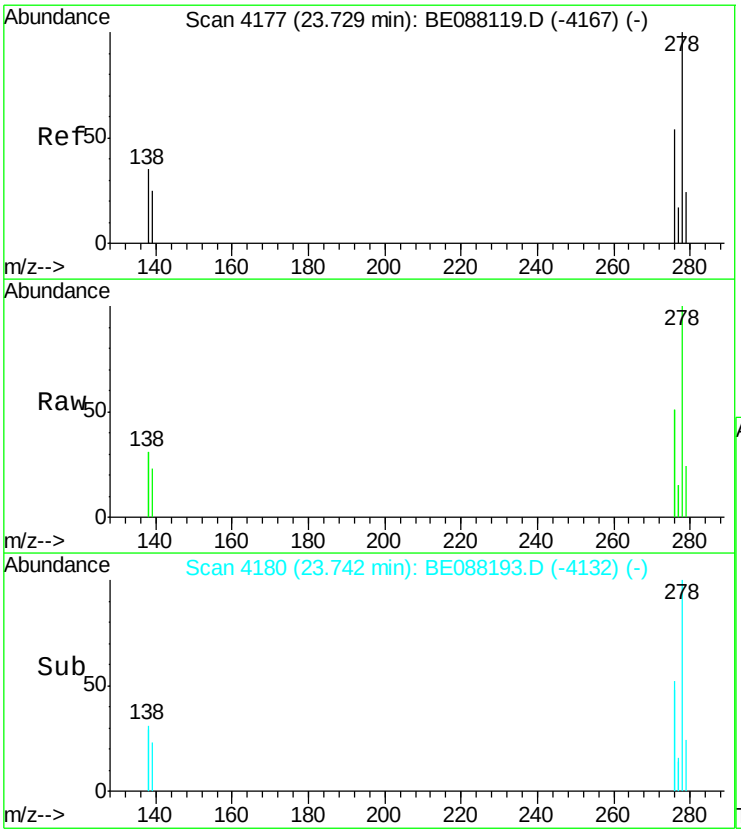
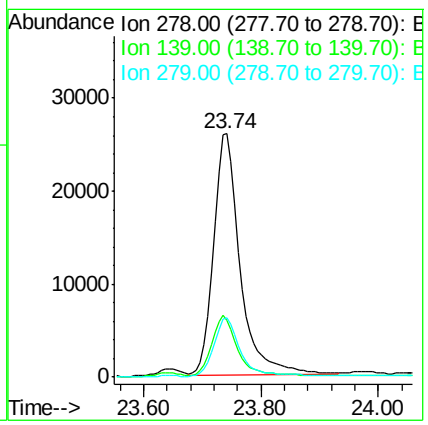


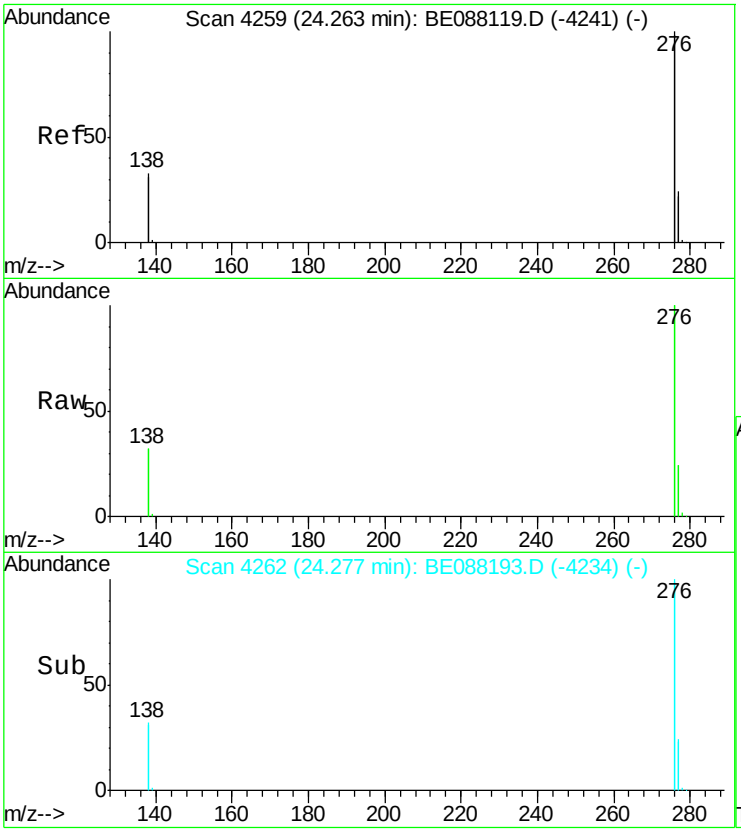


#26
Dibenzo(a,h)anthracene
Concen: 6.79 ng
RT: 23.74 min Scan# 4180
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:278 Resp: 81044

Ion	Ratio	Lower	Upper
278	100		
139	23.5	20.9	31.3
279	24.1	19.8	29.8

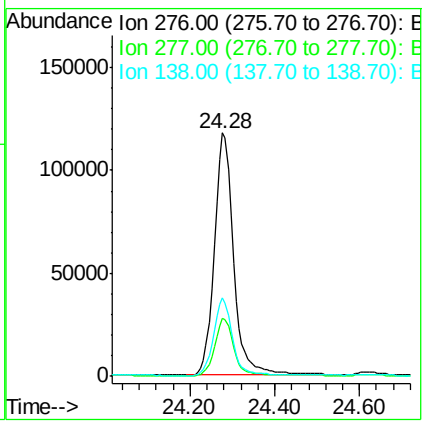




#27
Benzo(g,h,i)perylene
Concen: 7.08 ng
RT: 24.28 min Scan# 4262
Delta R.T. 0.01 min
Lab File: BE088193.D
Acq: 22 Oct 2014 21:37

Tgt Ion:276 Resp: 373670

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	32.0	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
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