Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
Data File : BE090448.D
Acq On : 12 Aug 2015 3:24
Operator : UM/IZ
Sample : PB84962BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB84962BSD

Manual Integrations APPROVED
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8/12/2015 3:56:05 PM

Quant Time: Aug 12 06:46:26 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	18929	5.00	ng		0.00
6) Naphthalene-d8	10.34	136	88526	5.00	ng		0.00
12) Acenaphthene-d10	14.19	164	51116	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	117603	5.00	ng		0.00
25) Chrysene-d12	21.09	240	143265	5.00	ng		0.00
32) Perylene-d12	23.40	264	121464	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	32488	11.44	ng		0.00
5) Phenol-d6	6.77	99	52687	8.53	ng		-0.01
7) Nitrobenzene-d5	8.72	82	26345	3.71	ng		-0.01
13) 2,4,6-Tribromophenol	15.69	330	14433	8.80	ng		-0.02
14) 2-Fluorobiphenyl	12.81	172	59453	4.23	ng		0.00
27) Terphenyl-d14	19.55	244	95180	4.51	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.20	88	8917	3.97	ng		98
3) n-Nitrosodimethylamine	3.49	42	11619	3.97	ng	#	90
8) Nitrobenzene	8.76	77	27345	3.61	ng		97
9) Naphthalene	10.38	128	72494	3.71	ng		99
10) Hexachlorobutadiene	10.68	225	12176	4.11	ng		100
11) 2-Methylnaphthalene	12.00	142	48189	4.25	ng		97
15) Acenaphthylene	13.91	152	341518	4.13	ng		100
16) Acenaphthene	14.26	154	50443	3.92	ng		89
17) Fluorene	15.26	166	67815	4.06	ng		98
19) 4-Bromophenyl-phenylether	16.14	248	19256	4.21	ng		99
20) Hexachlorobenzene	16.27	284	85154	3.60	ng		98
21) Pentachlorophenol	16.60	266	13470	7.49	ng		92
22) Phenanthrene	16.98	178	115873	3.94	ng		100
23) Anthracene	17.07	178	113301	4.69	ng		100
24) Fluoranthene	18.98	202	132118	4.56	ng		99
26) Pyrene	19.34	202	145532	4.69	ng		99
28) Benzo(a)anthracene	21.08	228	137447	4.33	ng		98
29) Chrysene	21.13	228	149762m	3.90	ng		
30) Bis(2-ethylhexyl)phthalate	21.03	149	47271	4.34	ng		99
31) Indeno(1,2,3-cd)pyrene	25.78	276	118805	3.51	ng		95
33) Benzo(b)fluoranthene	22.70	252	113716	4.18	ng		99
34) Benzo(k)fluoranthene	22.74	252	136386m	4.03	ng		
35) Benzo(a)pyrene	23.29	252	104348	4.06	ng		99
36) Dibenzo(a,h)anthracene	25.80	278	95043	3.81	ng		98
37) Benzo(g,h,i)perylene	26.51	276	105108	4.69	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
PB84962BSD

Manual Integrations APPROVED
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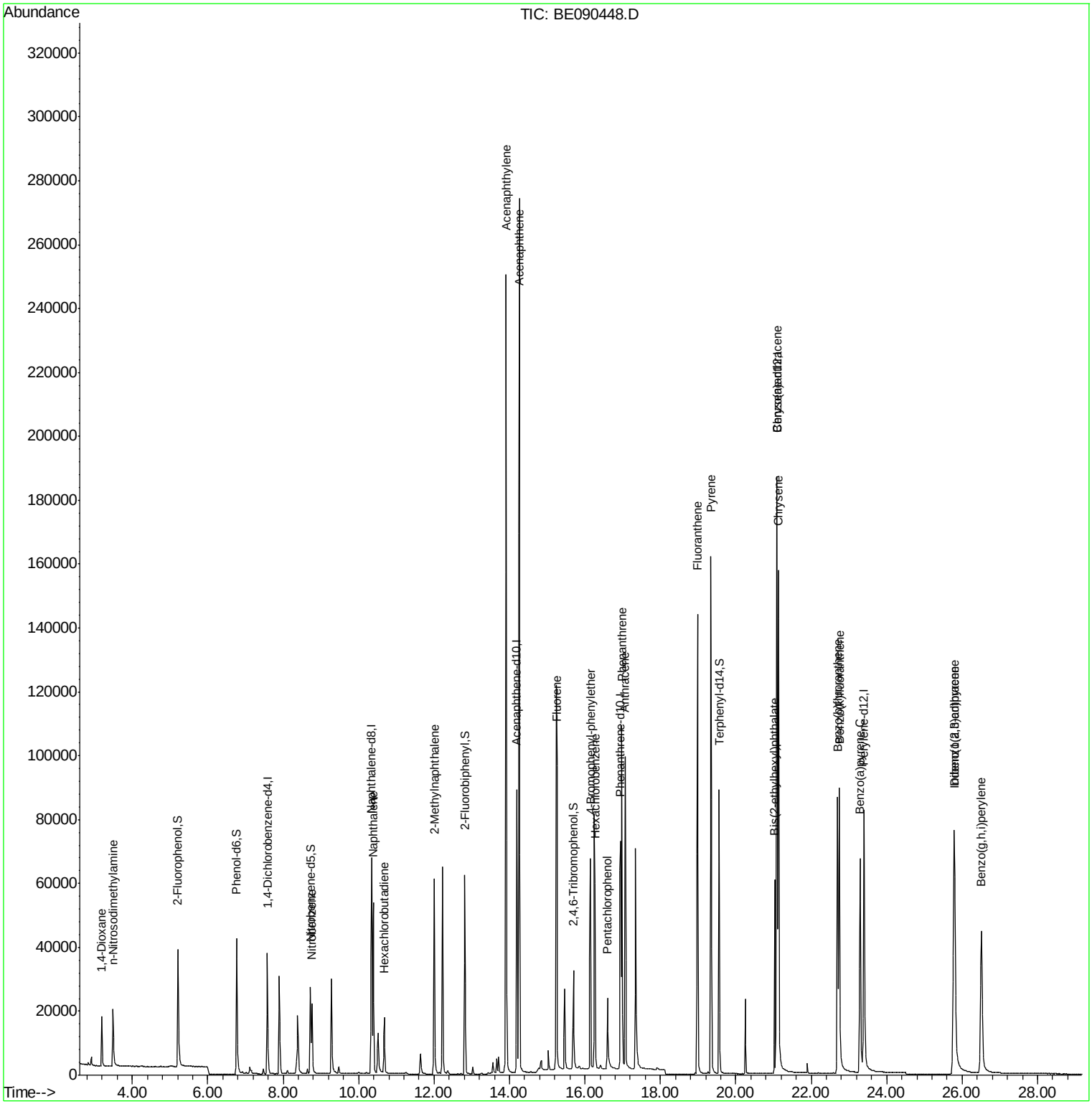
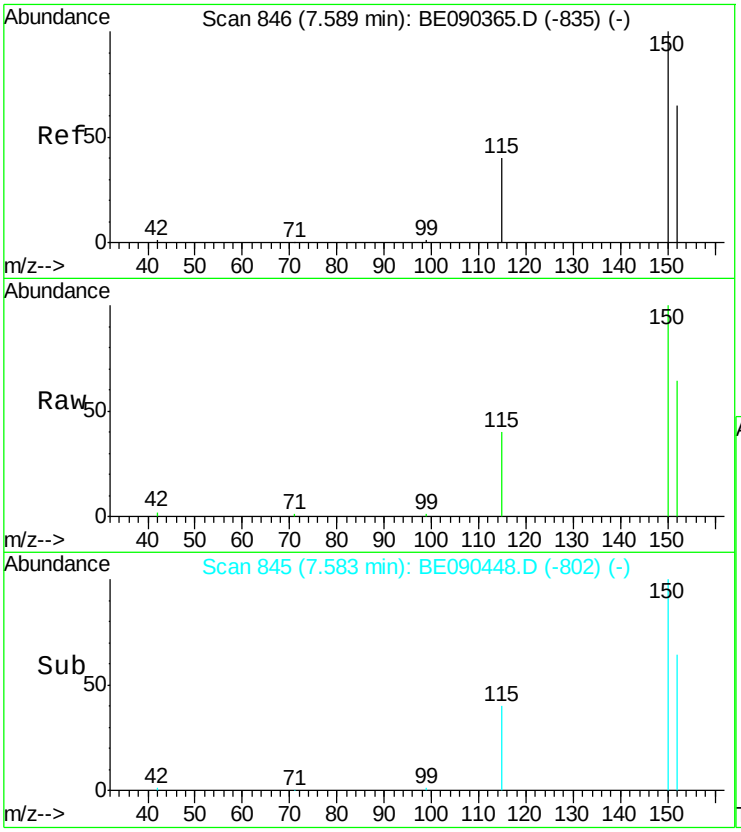
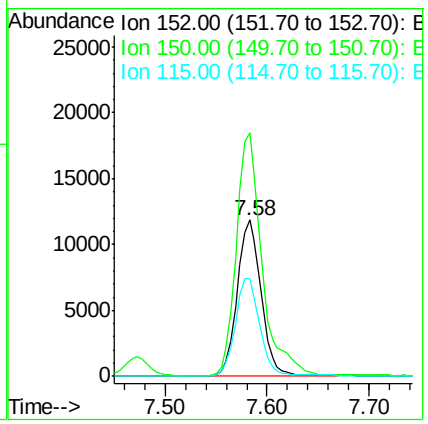




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:152 Resp: 18929

Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.0	184.4
115	62.5	48.9	73.3



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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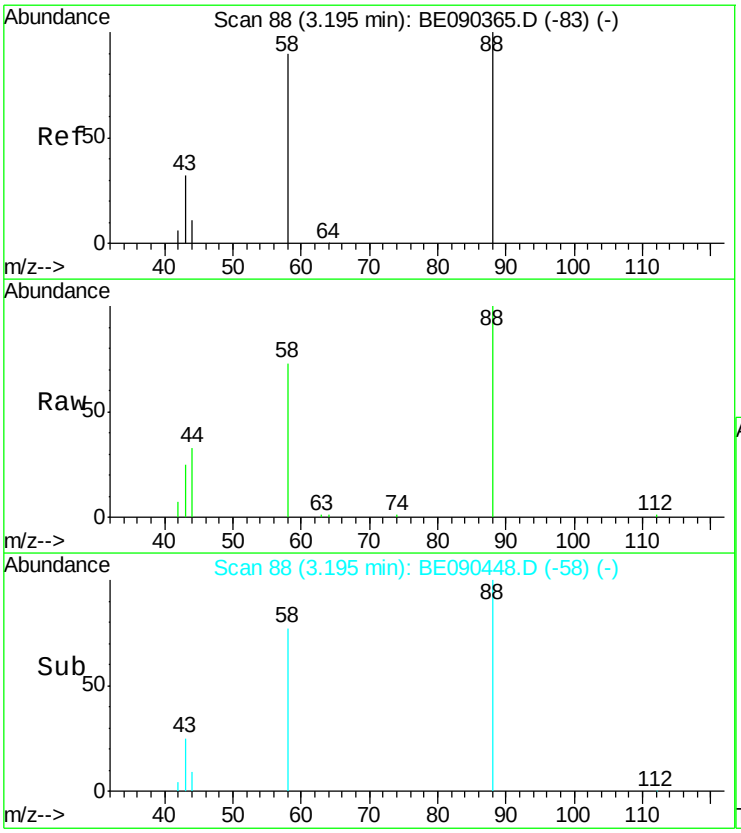
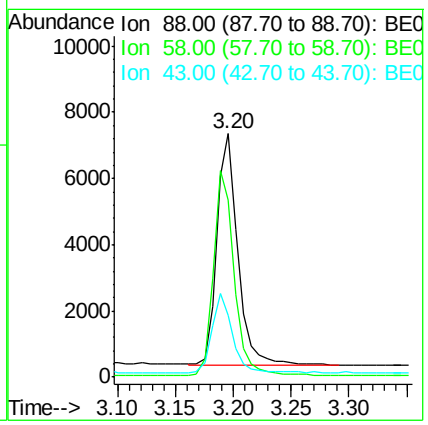
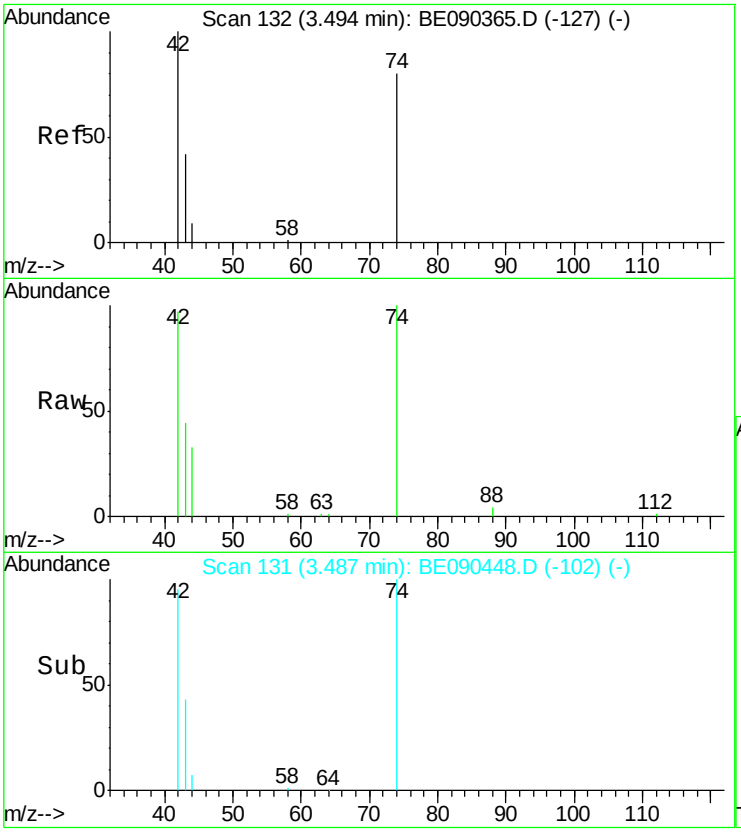


#2
1,4-Dioxane
Concen: 3.97 ng
RT: 3.20 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion: 88 Resp: 8917

Ion	Ratio	Lower	Upper
88	100		
58	87.6	70.0	105.0
43	32.6	28.4	42.6





#3
n-Nitrosodimethylamine
Concen: 3.97 ng
RT: 3.49 min Scan# 131
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion: 42 Resp: 11619

Ion	Ratio	Lower	Upper
42	100		
74	104.4	75.2	112.8
44	8.1	8.7	13.1#

Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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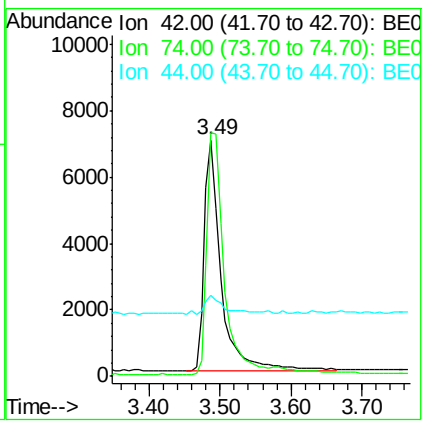
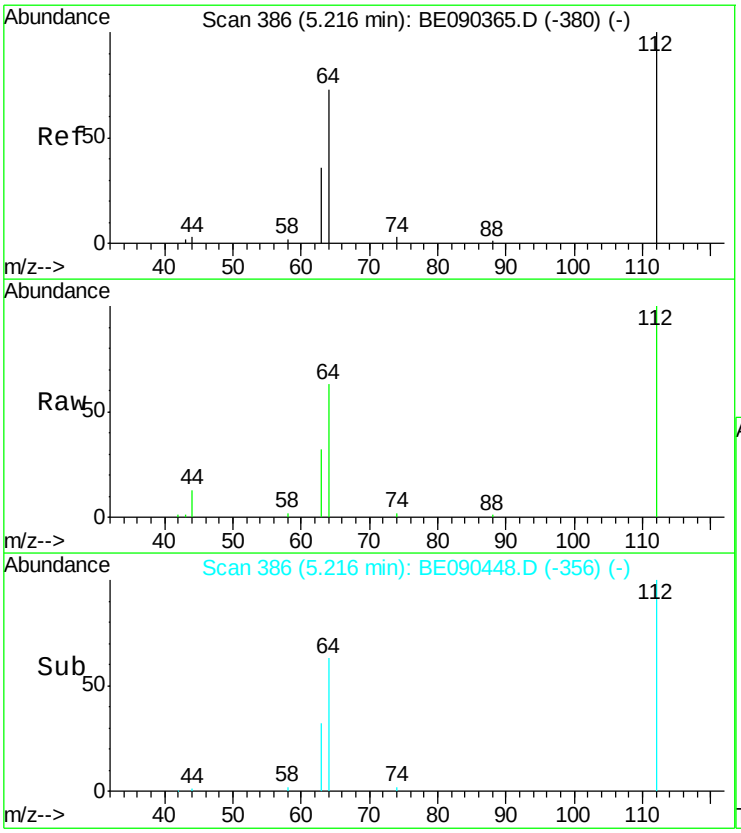
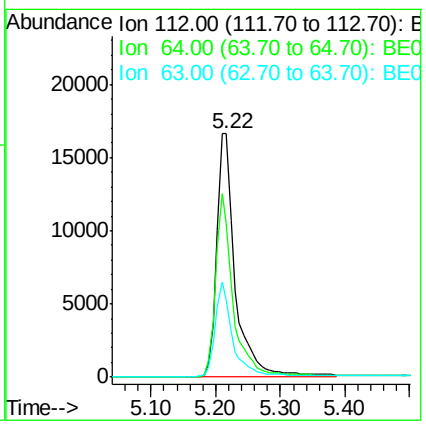


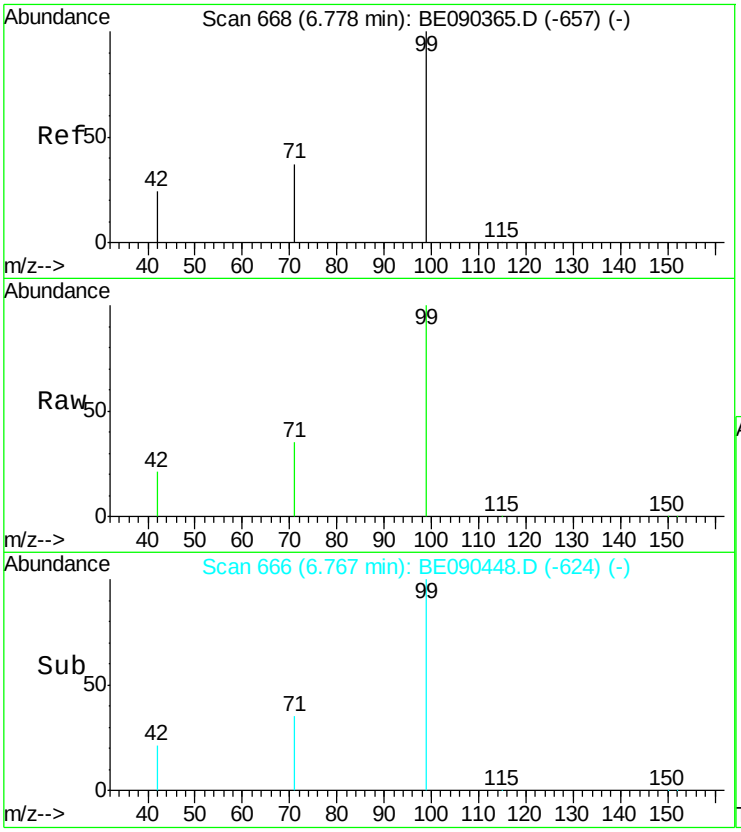


#4
2-Fluorophenol
Concen: 11.44 ng
RT: 5.22 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:112 Resp: 32488

Ion	Ratio	Lower	Upper
112	100		
64	71.0	37.1	55.7#
63	36.4	19.5	29.3#

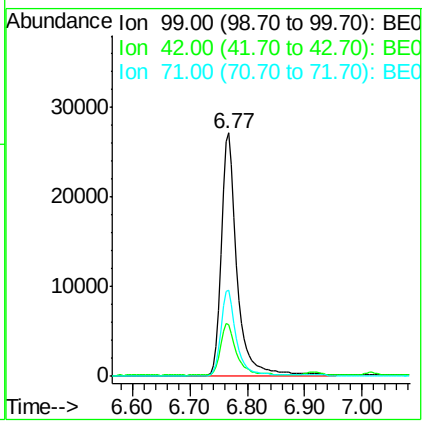




#5
Phenol-d6
Concen: 8.53 ng
RT: 6.77 min Scan# 666
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion: 99 Resp: 52687

Ion	Ratio	Lower	Upper
99	100		
42	21.9	18.2	27.4
71	35.1	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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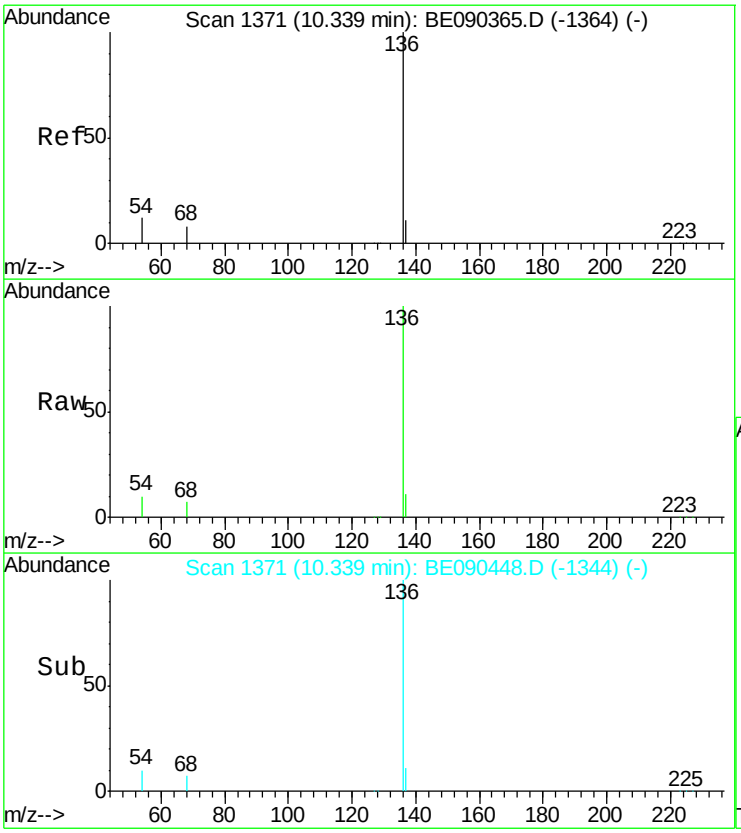
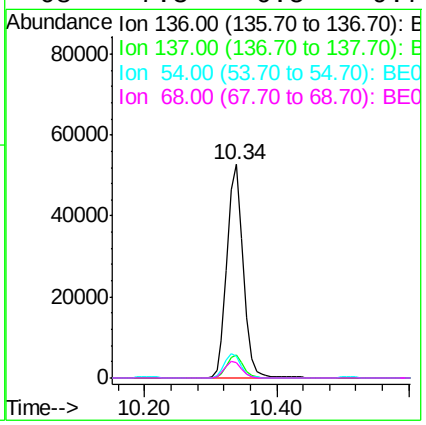
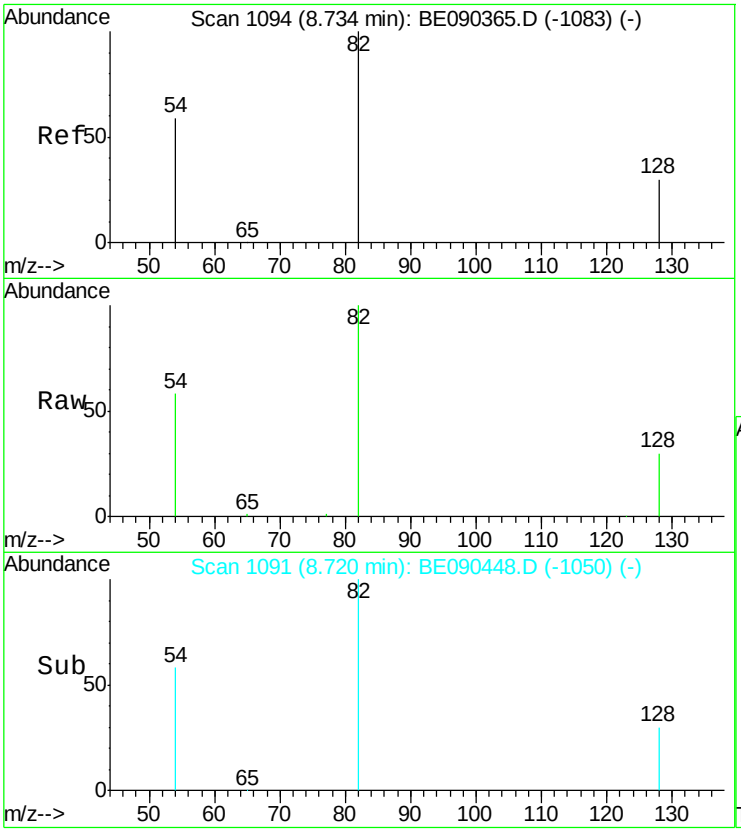


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:136 Resp: 88526

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.0	9.4	14.0
68	7.3	6.5	9.7

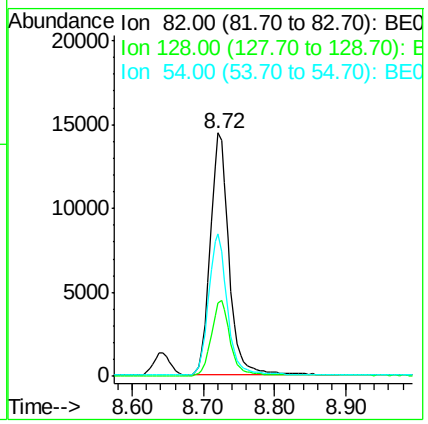




#7
Nitrobenzene-d5
Concen: 3.71 ng
RT: 8.72 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion: 82 Resp: 26345

Ion	Ratio	Lower	Upper
82	100		
128	30.4	25.0	37.6
54	58.3	48.8	73.2



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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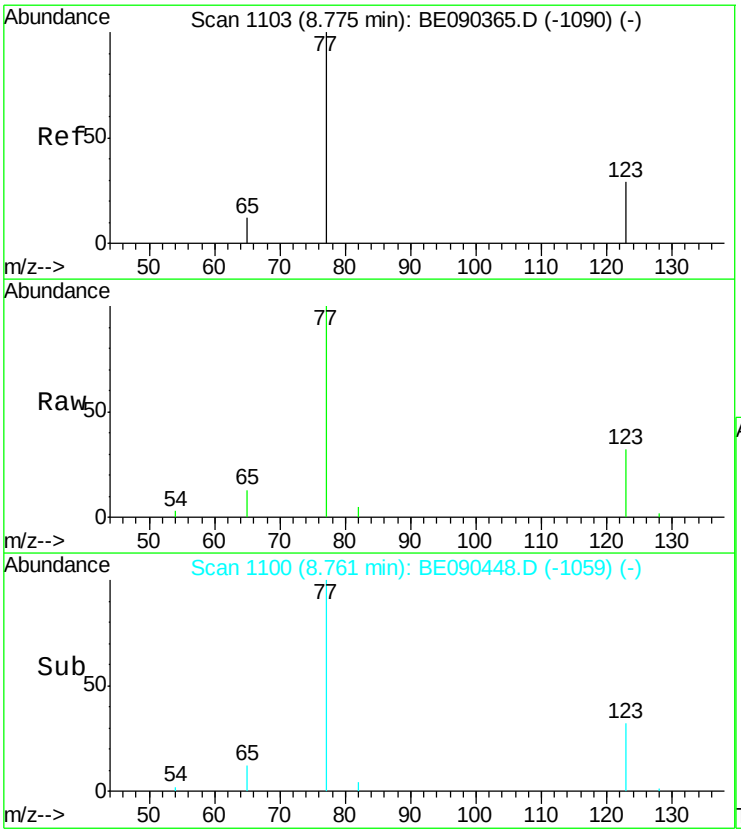
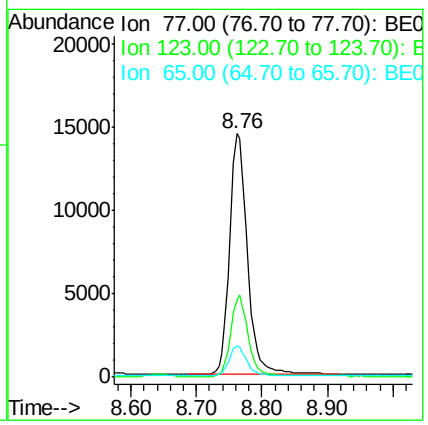
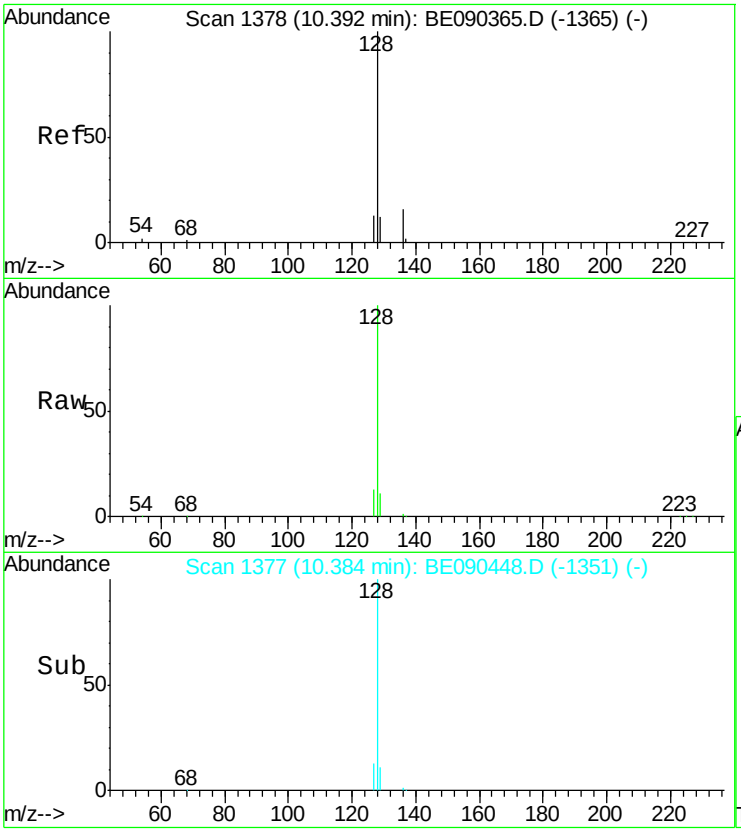


#8
Nitrobenzene
Concen: 3.61 ng
RT: 8.76 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion: 77 Resp: 27345

Ion	Ratio	Lower	Upper
77	100		
123	33.2	25.1	37.7
65	12.7	9.3	13.9

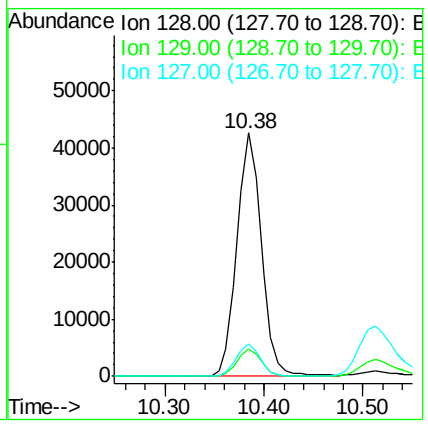




#9
Naphthalene
Concen: 3.71 ng
RT: 10.38 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:128 Resp: 72494

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.8	14.6
127	13.1	10.6	16.0



Instrument :
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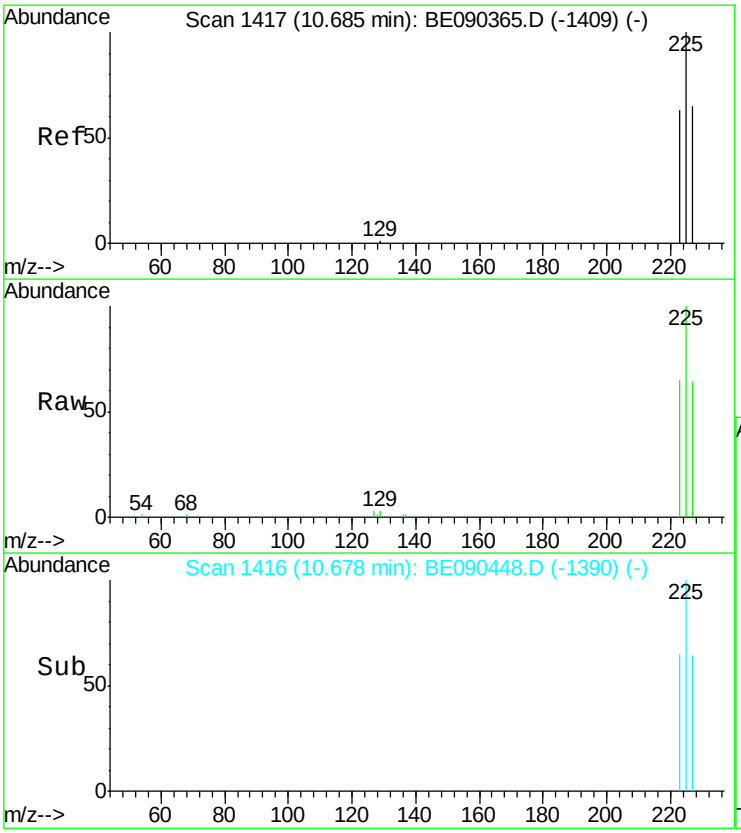
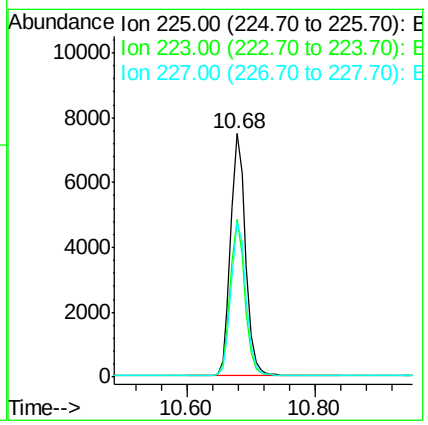
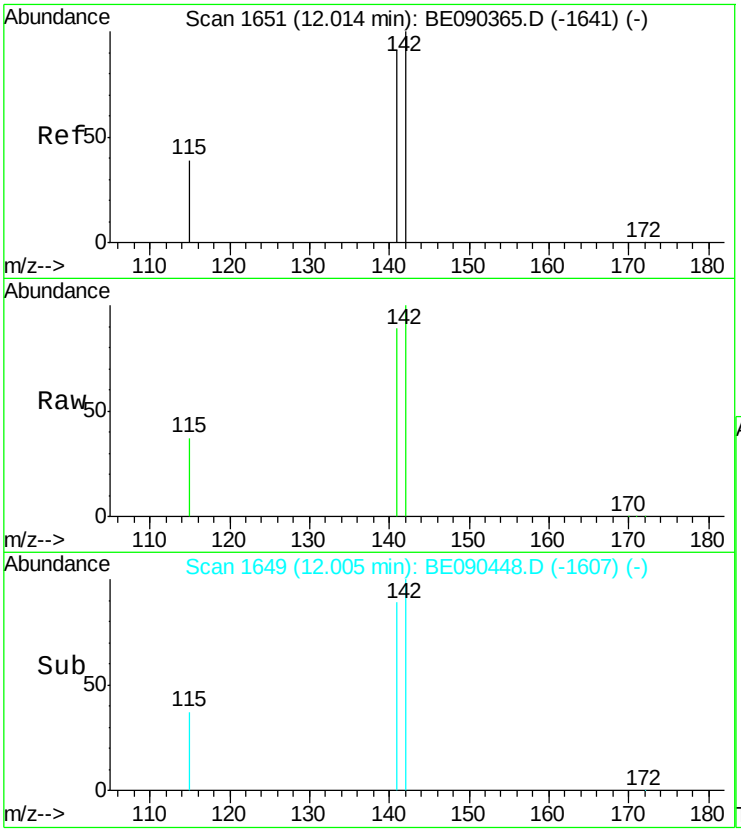


#10
Hexachlorobutadiene
Concen: 4.11 ng
RT: 10.68 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:225 Resp: 12176

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	63.9	50.7	76.1





#11
2-Methylnaphthalene
Concen: 4.25 ng
RT: 12.00 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:142 Resp: 48189

Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.6	109.0
115	36.9	31.6	47.4

Instrument :
BNA_E
ClientSampleId :
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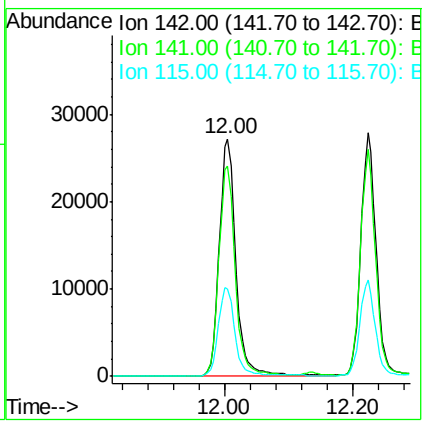
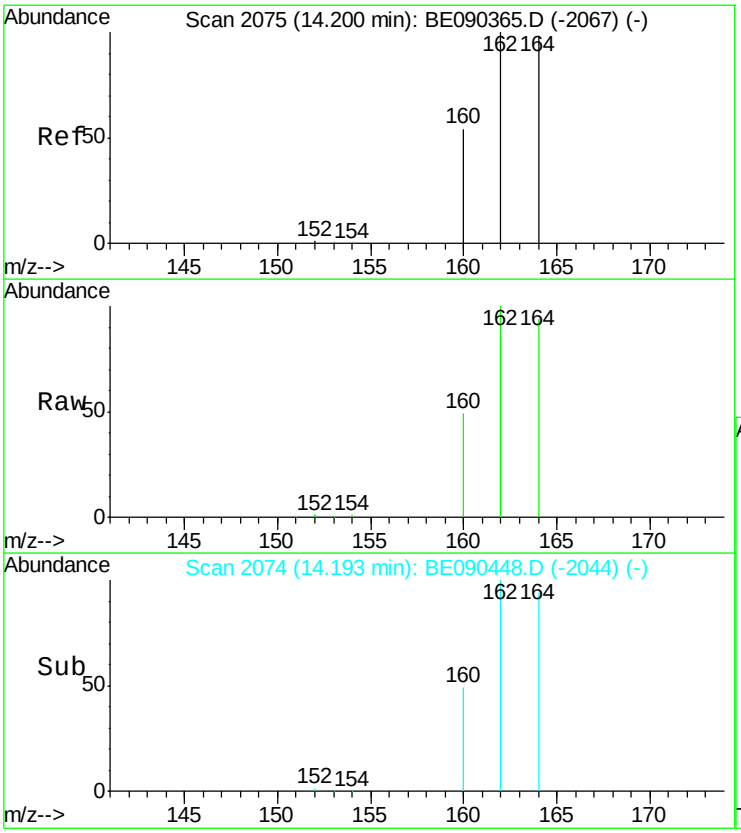
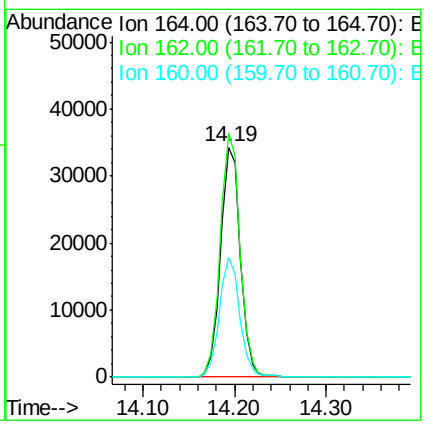


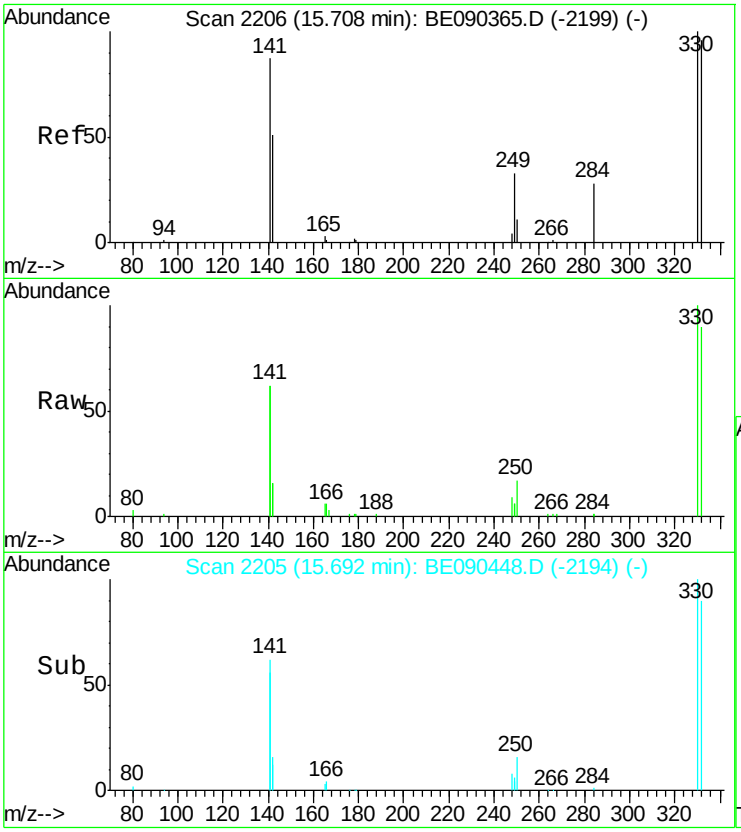


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:164 Resp: 51116

Ion	Ratio	Lower	Upper
164	100		
162	105.9	81.8	122.8
160	52.2	44.2	66.4

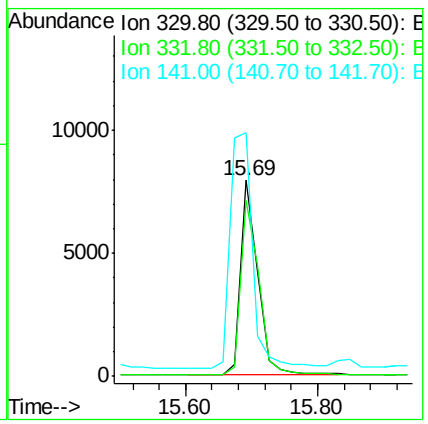




#13
2,4,6-Tribromophenol
Concen: 8.80 ng
RT: 15.69 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:330 Resp: 14433

Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.8	113.6
141	156.8	114.4	171.6



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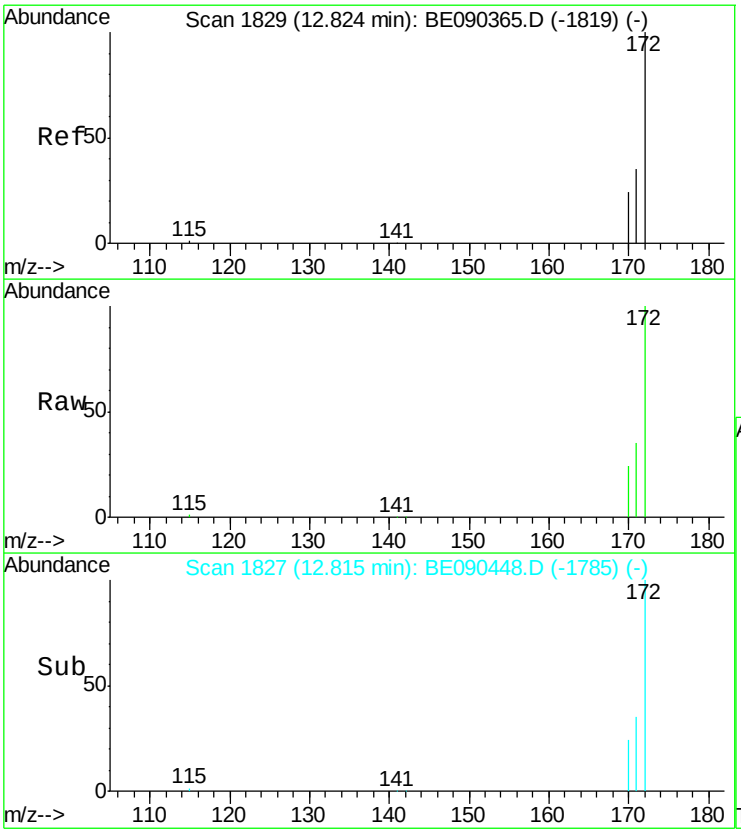
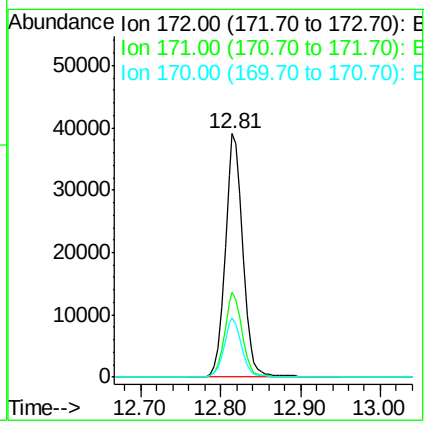
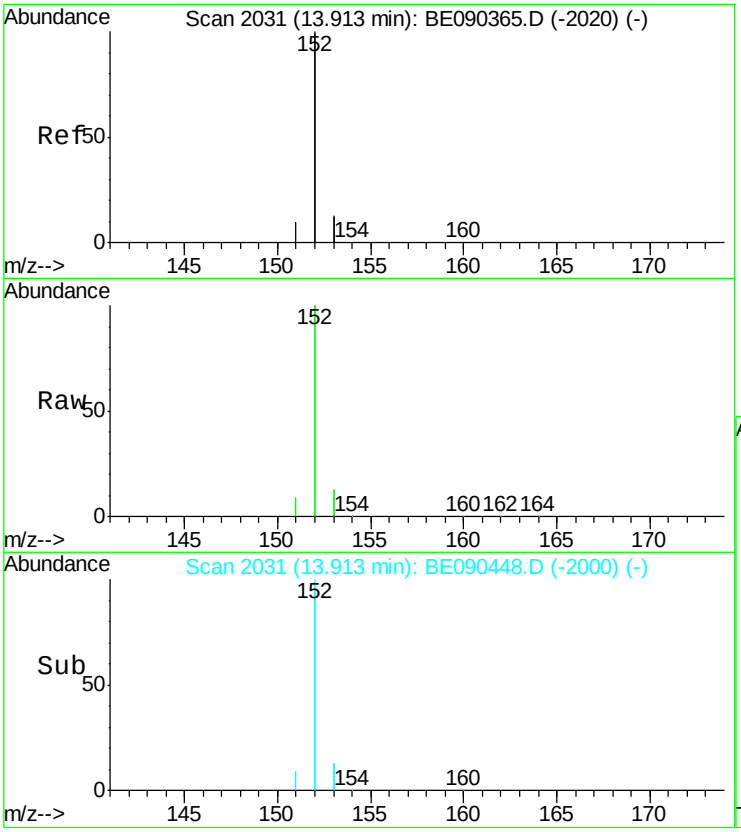


#14
2-Fluorobiphenyl
Concen: 4.23 ng
RT: 12.81 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:172 Resp: 59453

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	24.2	19.8	29.8





#15
Acenaphthylene
Concen: 4.13 ng
RT: 13.91 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:152 Resp: 341518

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	13.0	10.3	15.5

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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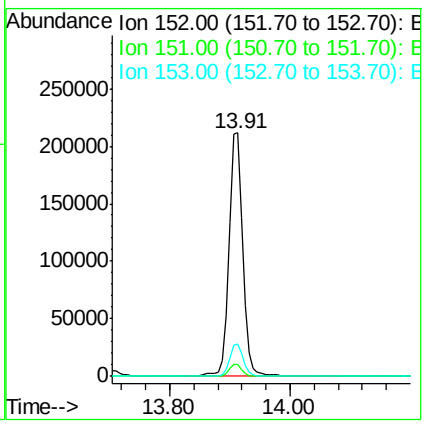
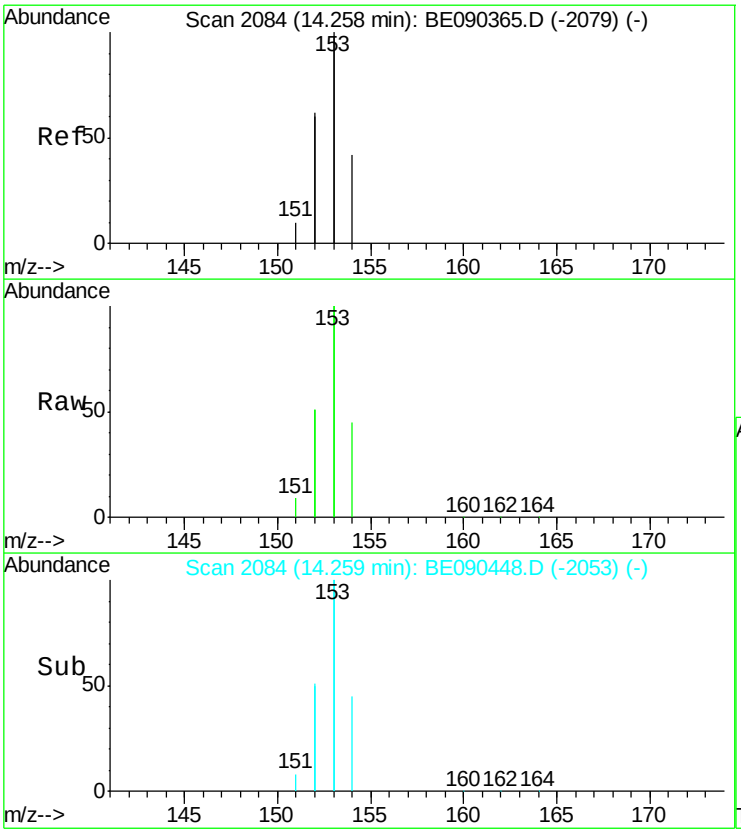
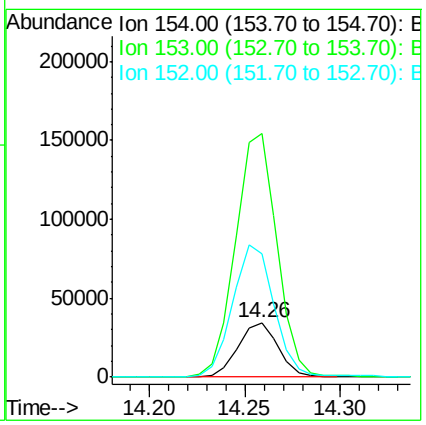


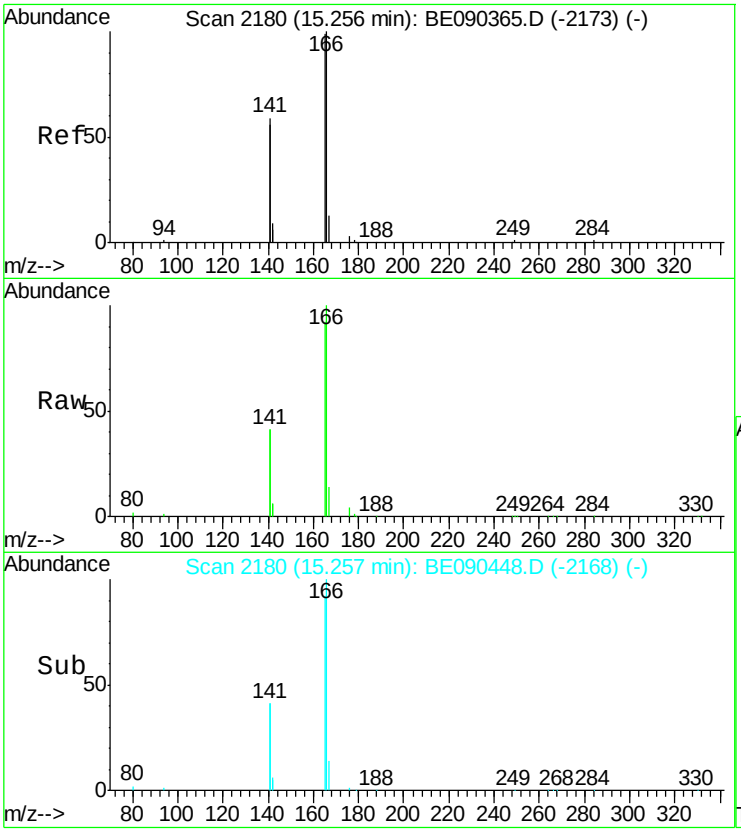


#16
Acenaphthene
Concen: 3.92 ng
RT: 14.26 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:154 Resp: 50443

Ion	Ratio	Lower	Upper
154	100		
153	460.9	376.2	564.2
152	251.5	235.0	352.4





#17
Fluorene
Concen: 4.06 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:166 Resp: 67815

Ion	Ratio	Lower	Upper
166	100		
165	99.5	81.5	122.3
167	13.5	11.4	17.0

Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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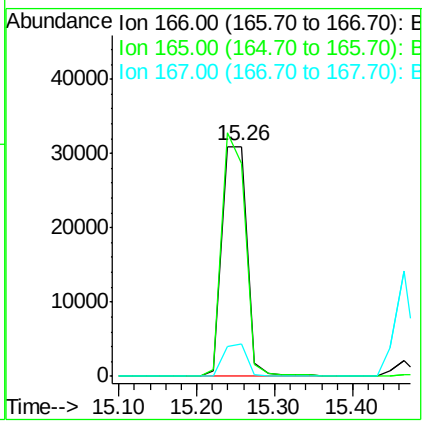
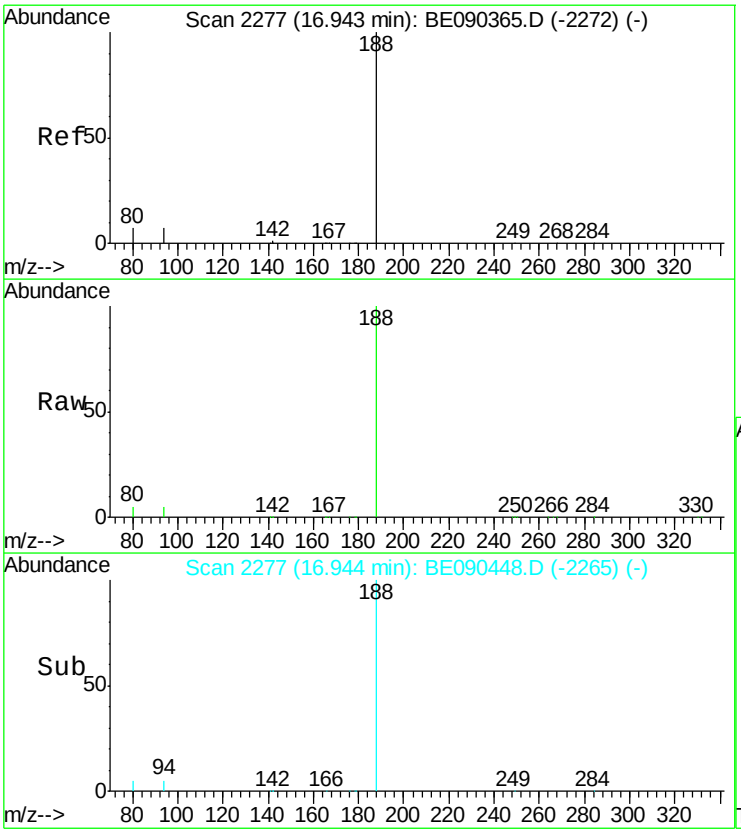
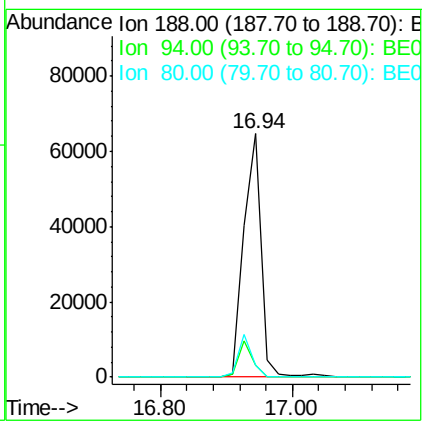


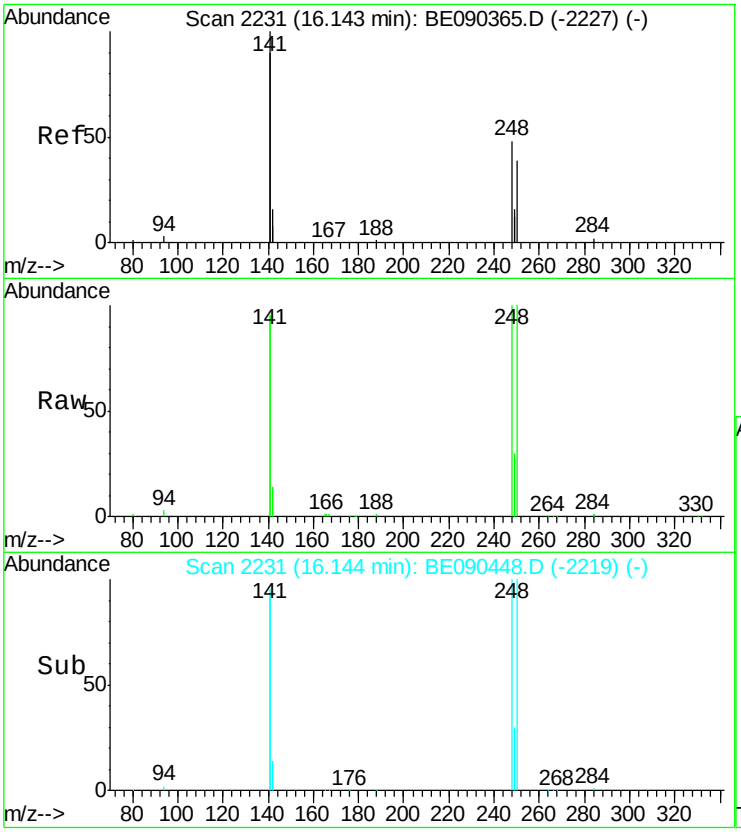


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:188 Resp: 117603

Ion	Ratio	Lower	Upper
188	100		
94	4.8	5.7	8.5#
80	4.8	5.8	8.8#

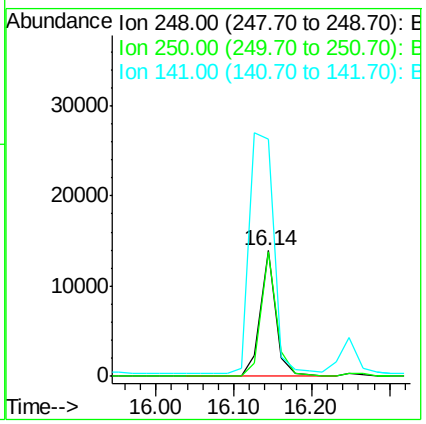




#19
4-Bromophenyl-phenylether
Concen: 4.21 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:248 Resp: 19256

Ion	Ratio	Lower	Upper
248	100		
250	99.0	79.0	118.6
141	302.4	239.5	359.3



Instrument :
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ClientSampleId :
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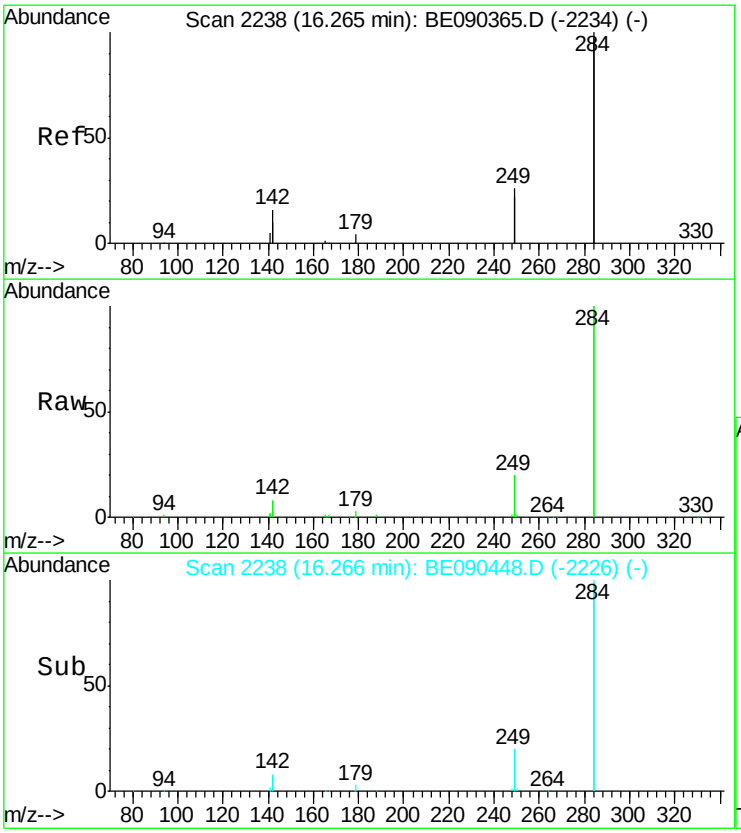
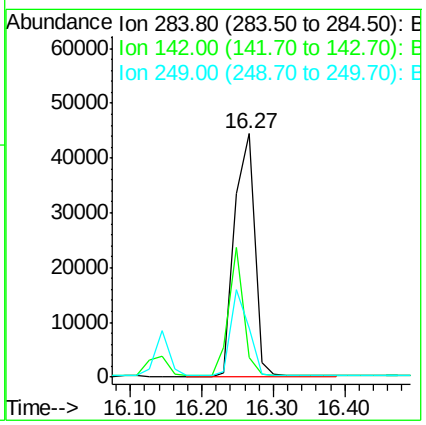
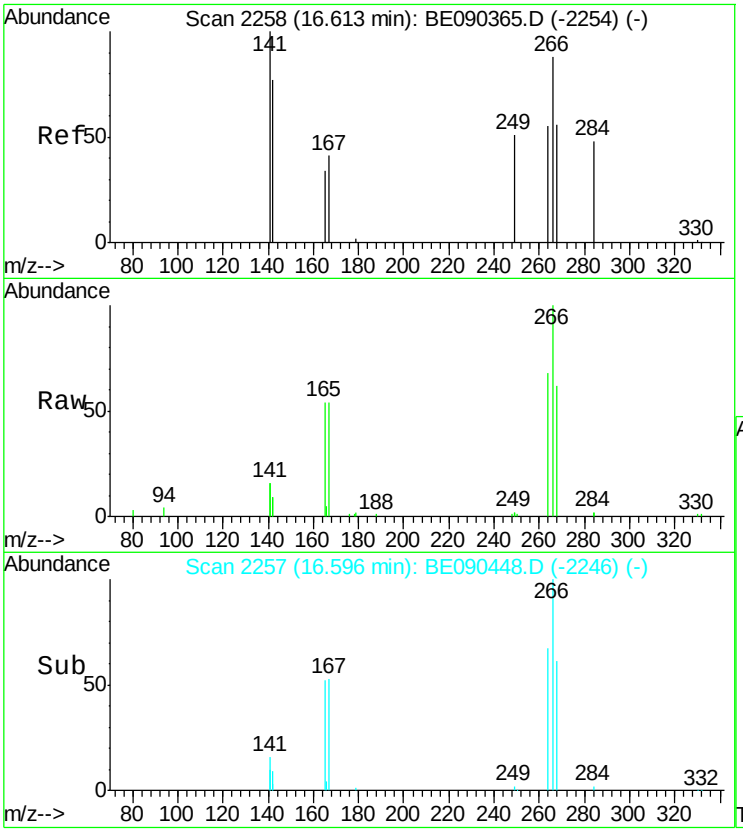


#20
Hexachlorobenzene
Concen: 3.60 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:284 Resp: 85154

Ion	Ratio	Lower	Upper
284	100		
142	39.7	30.1	45.1
249	31.6	25.7	38.5

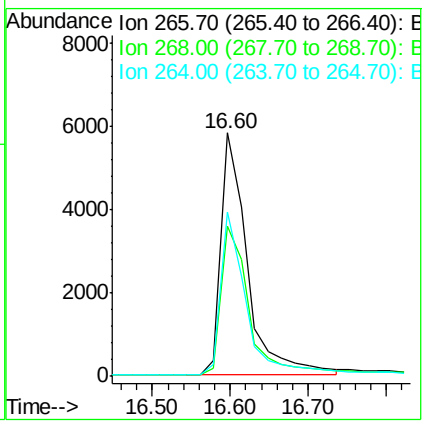




#21
Pentachlorophenol
Concen: 7.49 ng
RT: 16.60 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:266 Resp: 13470

Ion	Ratio	Lower	Upper
266	100		
268	61.6	58.5	87.7
264	67.6	56.0	84.0



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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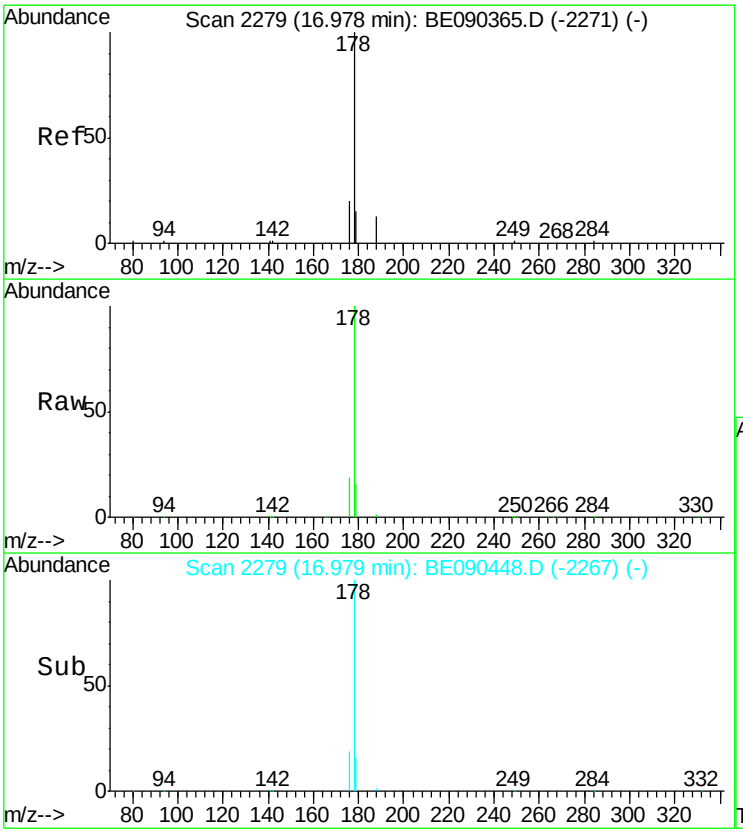
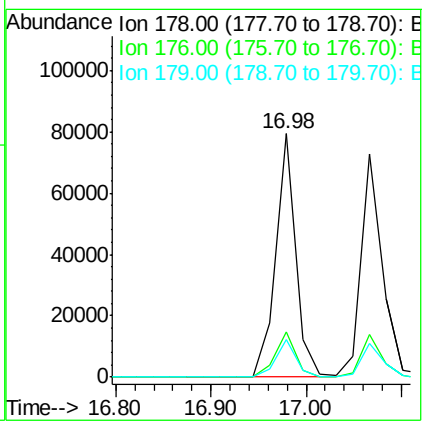
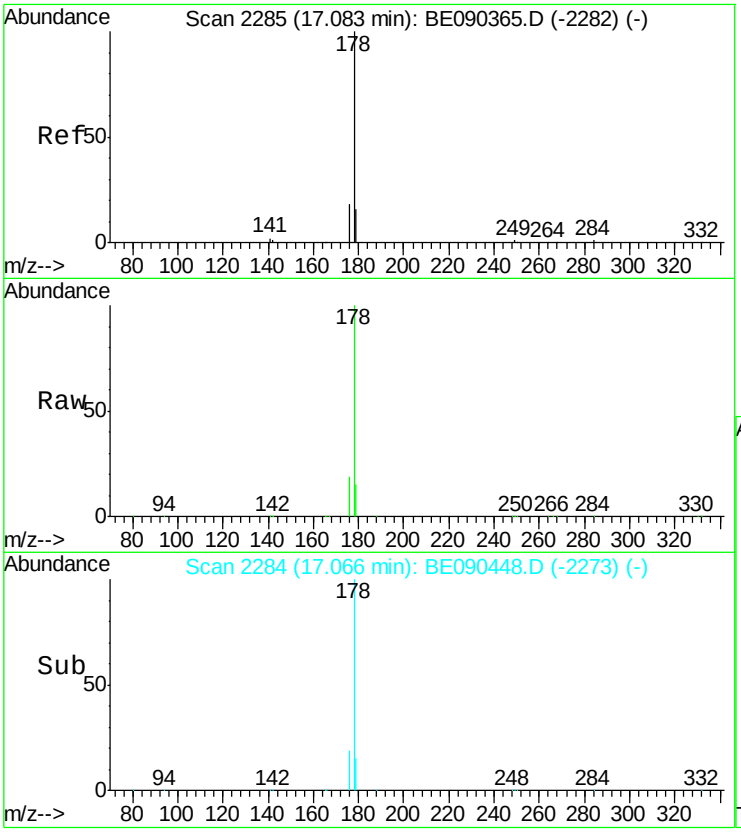


#22
Phenanthrene
Concen: 3.94 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:178 Resp: 115873

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.5	18.7

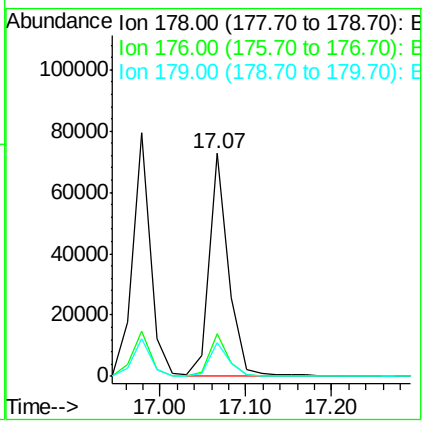




#23
Anthracene
Concen: 4.69 ng
RT: 17.07 min Scan# 2284
Delta R.T. -0.02 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:178 Resp: 113301

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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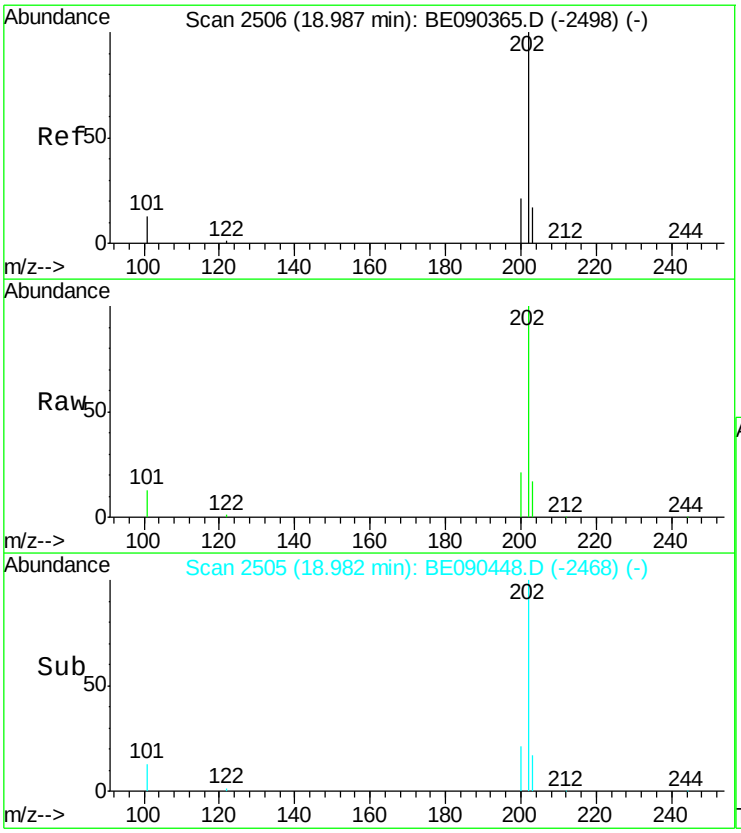
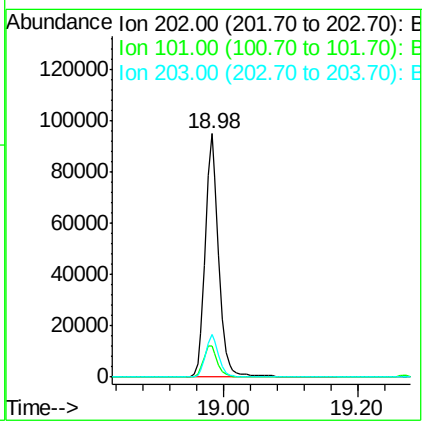
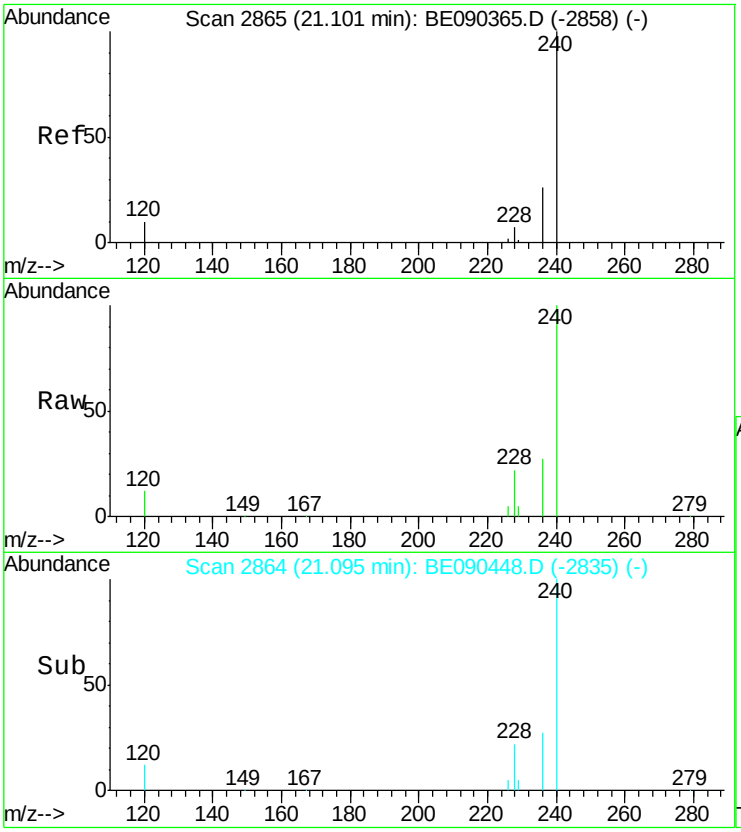


#24
Fluoranthene
Concen: 4.56 ng
RT: 18.98 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:202 Resp: 132118

Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.3	15.5
203	17.2	13.7	20.5

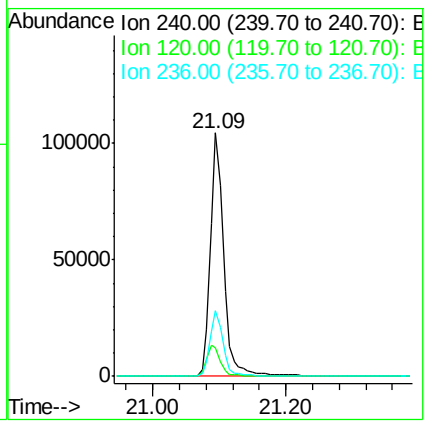




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:240 Resp: 143265

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	27.2	21.0	31.4



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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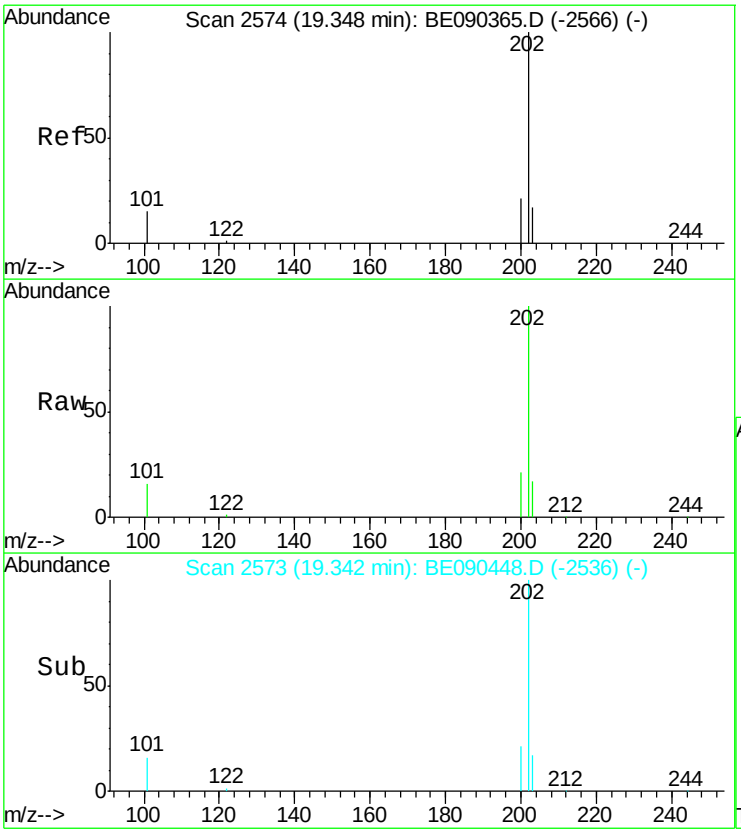
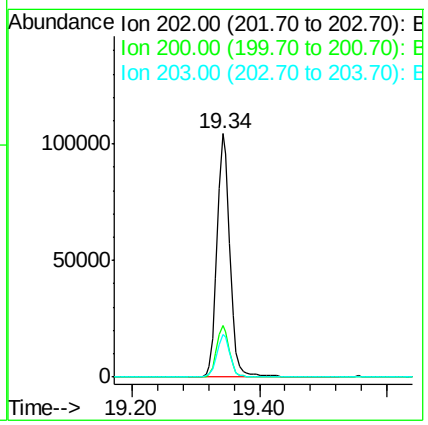
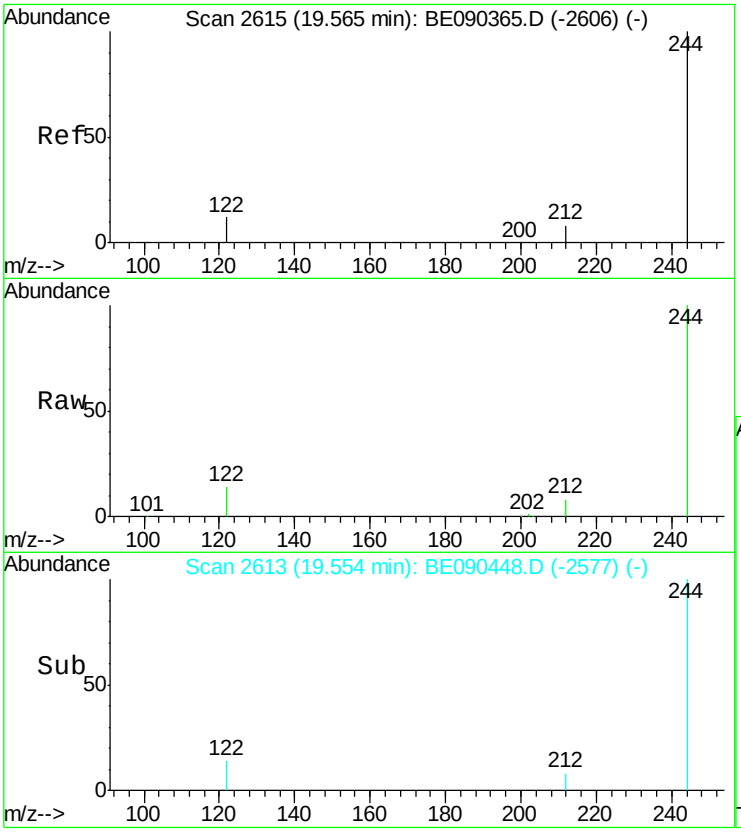


#26
Pyrene
Concen: 4.69 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:202 Resp: 145532

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	13.8	20.8

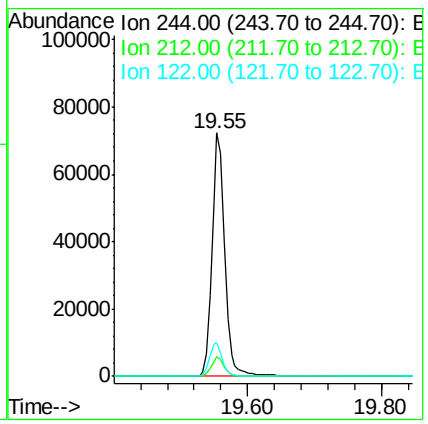




#27
Terphenyl-d14
Concen: 4.51 ng
RT: 19.55 min Scan# 2613
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:244 Resp: 95180

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	9.8
122	13.9	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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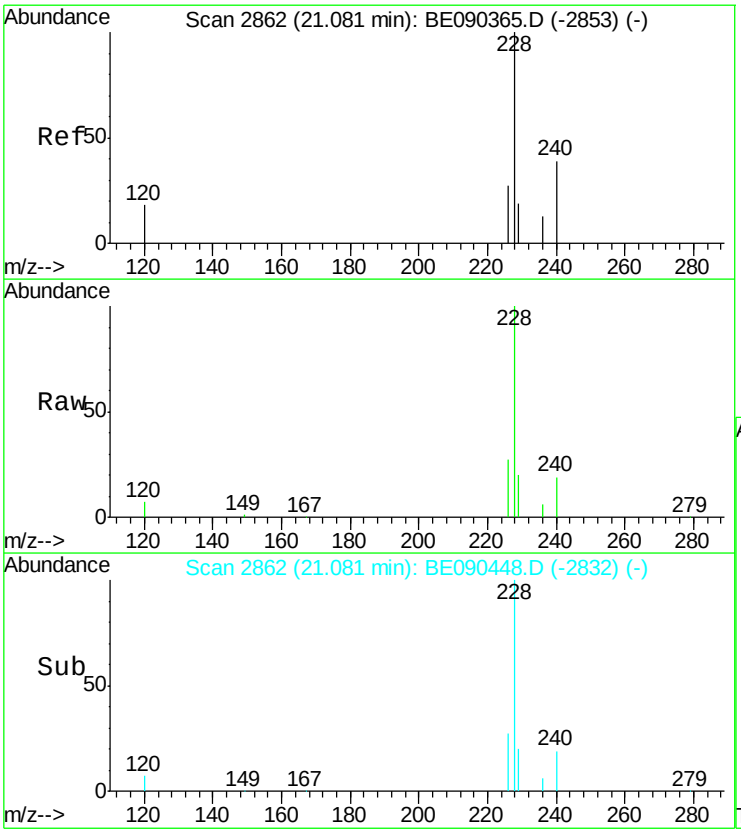
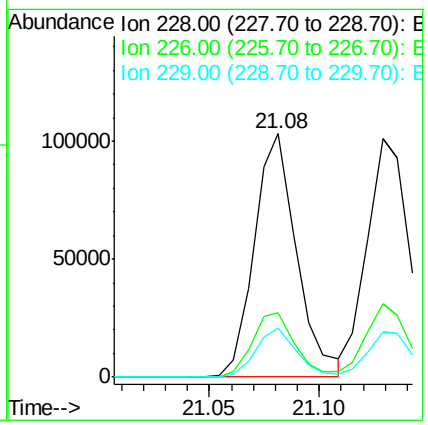
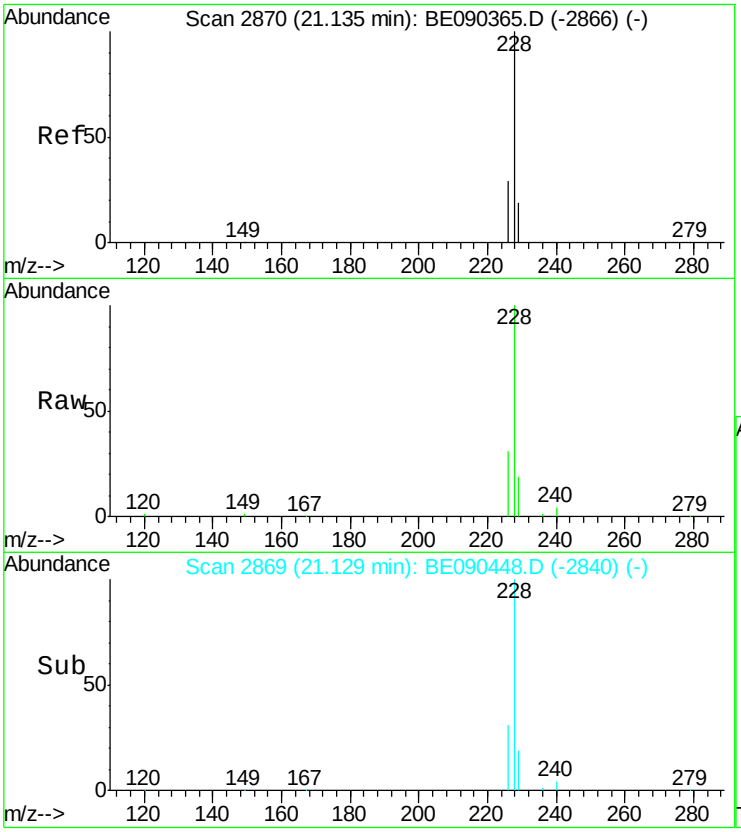


#28
Benzo(a)anthracene
Concen: 4.33 ng
RT: 21.08 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:228 Resp: 137447

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.9	32.9
229	19.9	15.4	23.0





#29
Chrysene
Concen: 3.90 ng m
RT: 21.13 min Scan# 2869
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:228 Resp: 149762

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.1	34.7
229	19.2	15.8	23.8

Instrument :
BNA_E
ClientSampleId :
PB84962BSD

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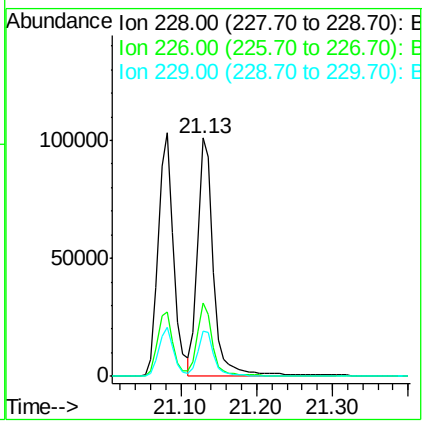
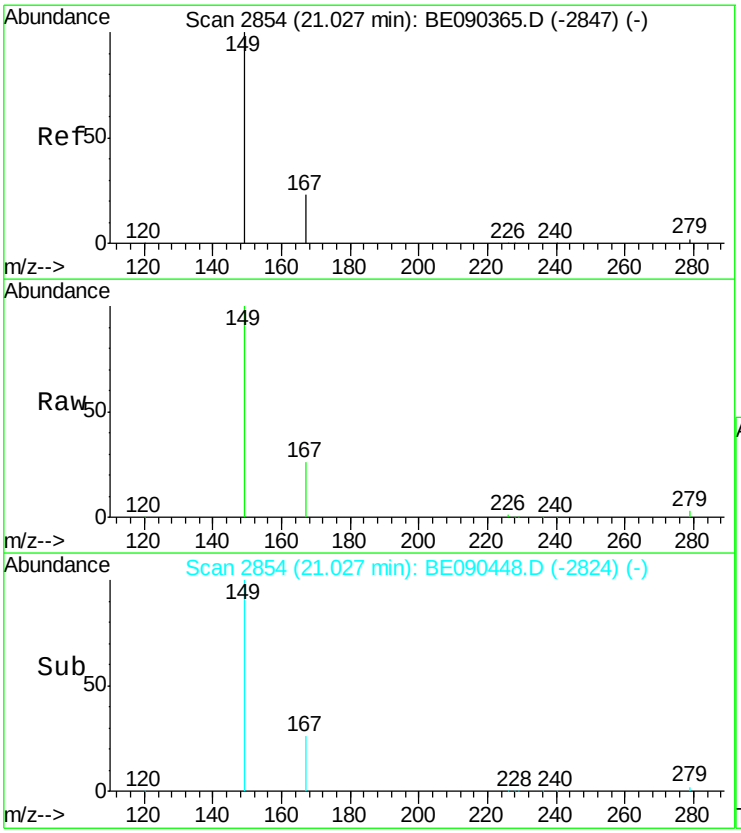
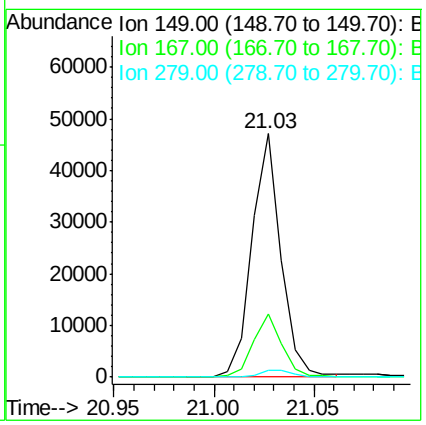


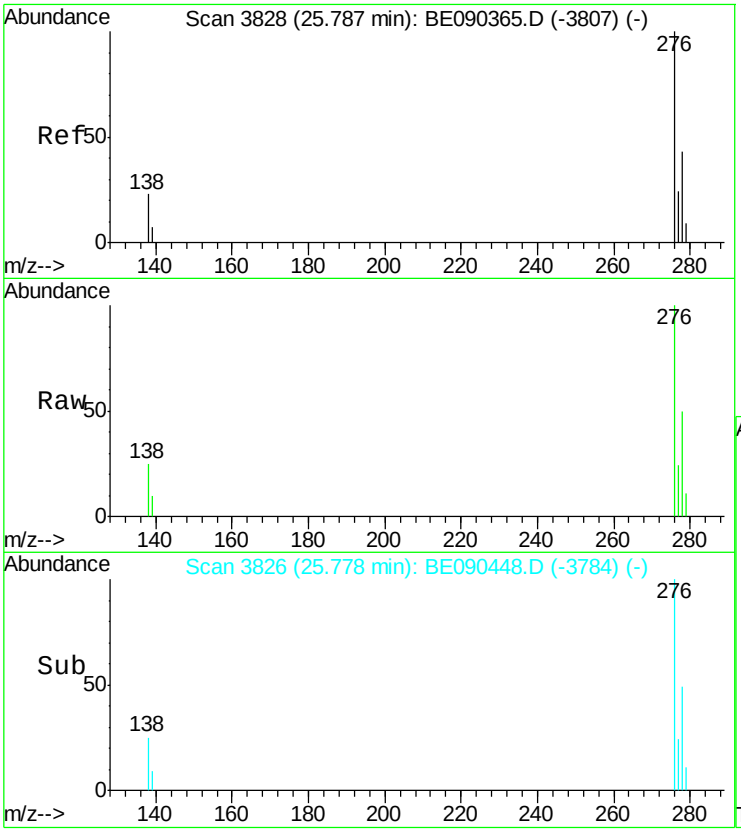


#30
Bis(2-ethylhexyl)phthalate
Concen: 4.34 ng
RT: 21.03 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:149 Resp: 47271

Ion	Ratio	Lower	Upper
149	100		
167	25.6	19.8	29.8
279	3.1	2.4	3.6

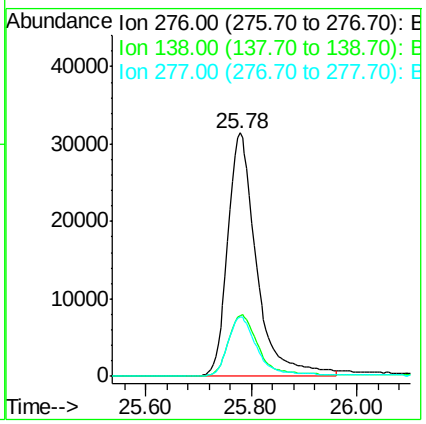




#31
Indeno(1,2,3-cd)pyrene
Concen: 3.51 ng
RT: 25.78 min Scan# 3826
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:276 Resp: 118805

Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.8	28.2
277	24.6	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
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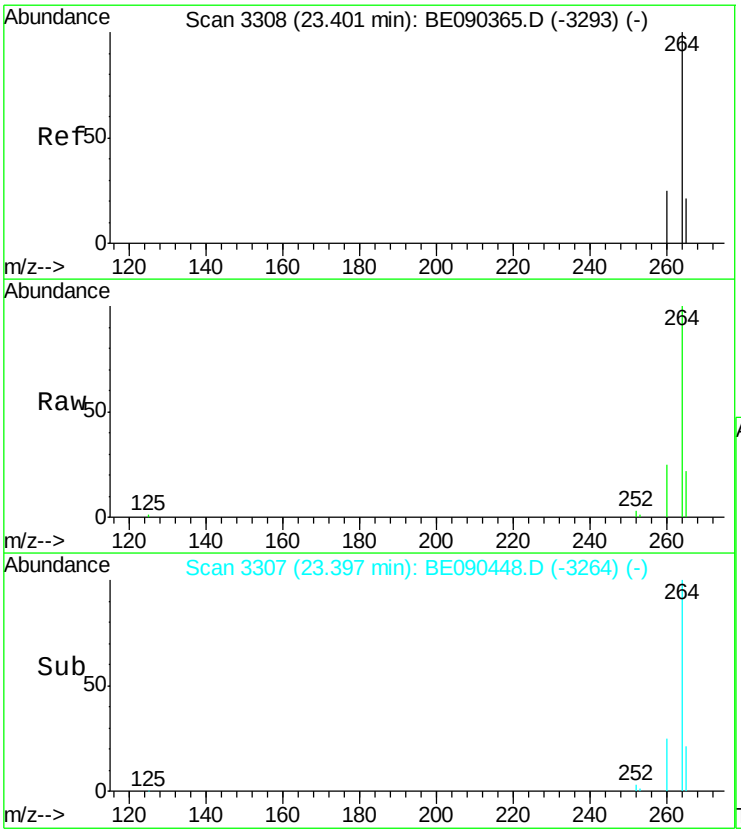
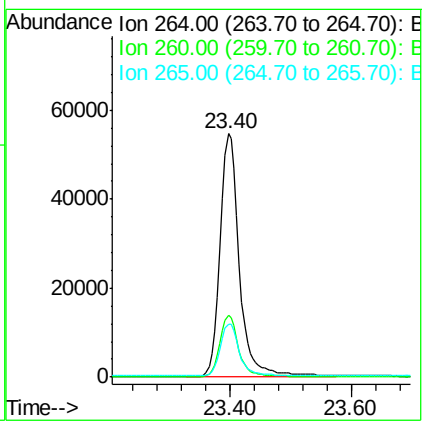
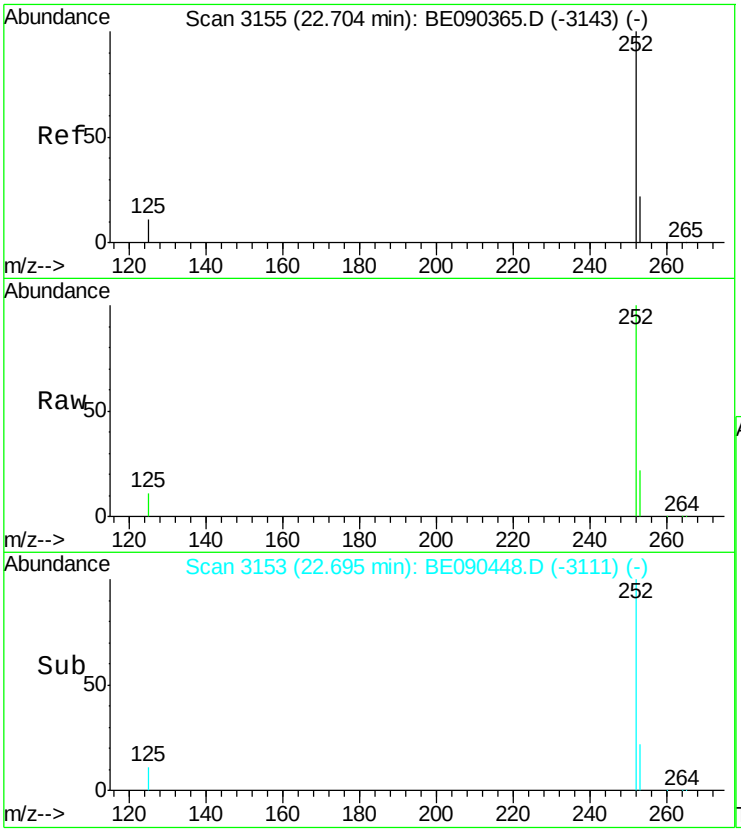


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3307
Delta R.T. -0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:264 Resp: 121464

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.6	17.2	25.8





#33
Benzo(b)fluoranthene
Concen: 4.18 ng
RT: 22.70 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:252 Resp: 113716

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.3	9.4	14.2

Instrument :
BNA_E
ClientSampleId :
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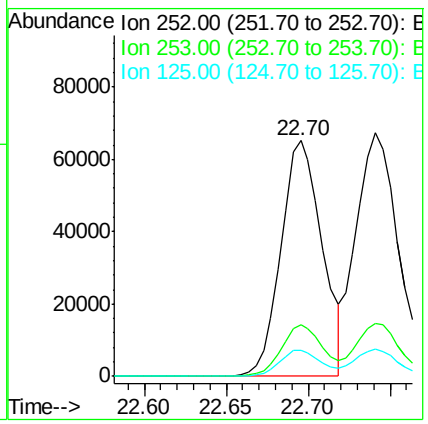
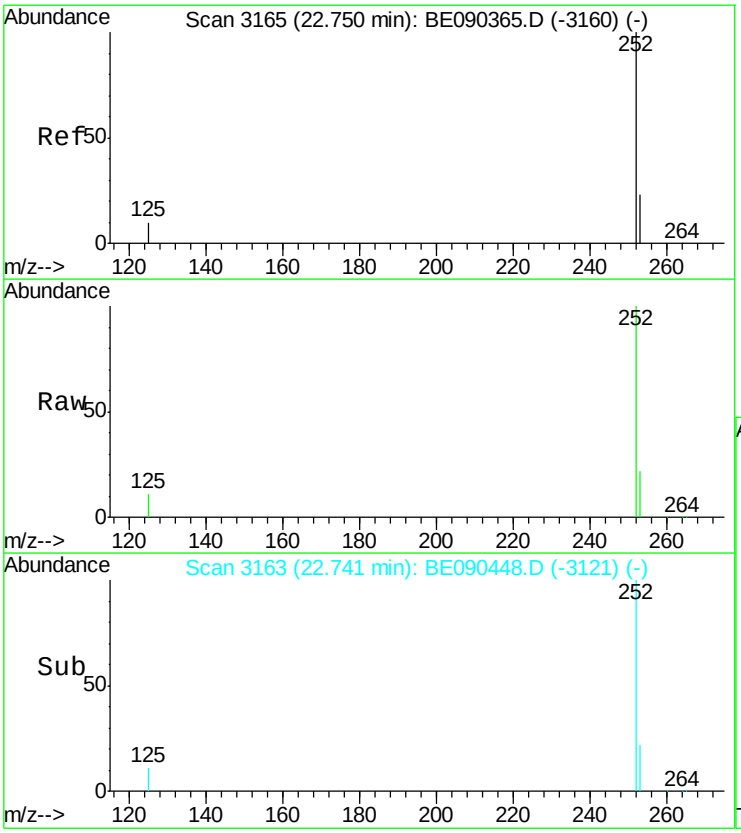
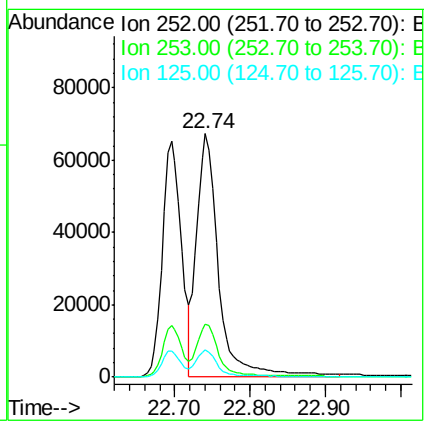


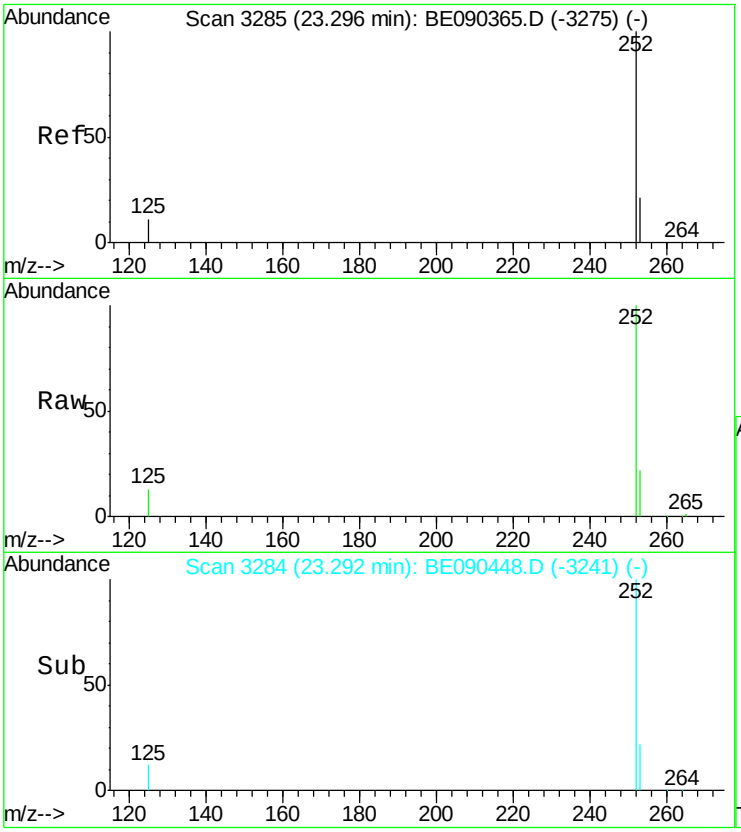


#34
Benzo(k)fluoranthene
Concen: 4.03 ng m
RT: 22.74 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:252 Resp: 136386

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	11.1	9.1	13.7





#35
Benzo(a)pyrene
Concen: 4.06 ng
RT: 23.29 min Scan# 3284
Delta R.T. -0.00 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:252 Resp: 104348

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	12.6	9.8	14.6

Instrument :
BNA_E
ClientSampleId :
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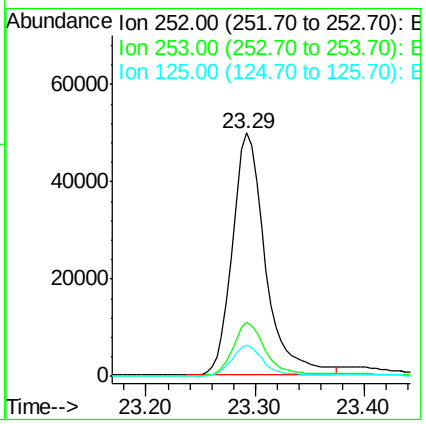
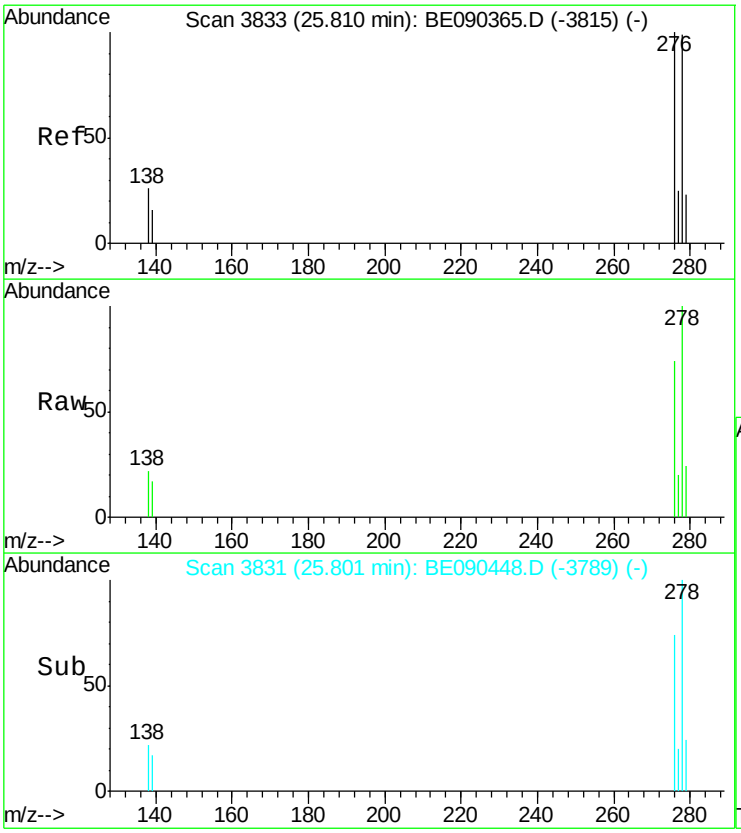
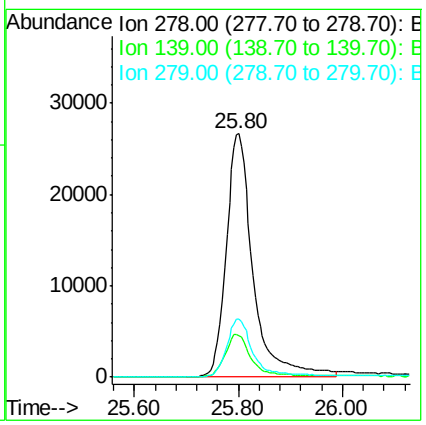


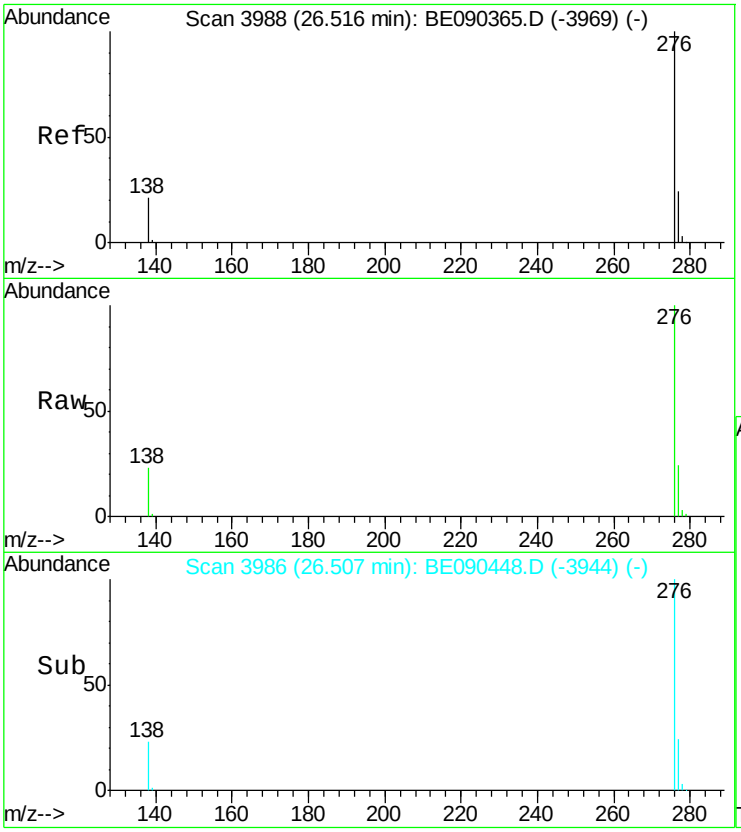


#36
Dibenzo(a,h)anthracene
Concen: 3.81 ng
RT: 25.80 min Scan# 3831
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:278 Resp: 95043

Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.2	21.4
279	23.9	20.1	30.1

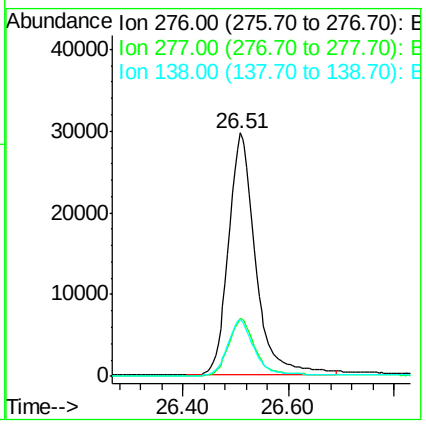




#37
Benzo(g,h,i)perylene
Concen: 4.69 ng
RT: 26.51 min Scan# 3986
Delta R.T. -0.01 min
Lab File: BE090448.D
Acq: 12 Aug 2015 3:24

Tgt Ion:276 Resp: 105108

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.1	30.1
138	23.1	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
PB84962BSD

Manual Integrations APPROVED
MMDadoda
8/12/2015 3:56:05 PM