Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052316\
Data File : BE091848.D
Acq On : 23 May 2016 15:37
Operator : UM/SJ
Sample : PB90363BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB90774BS

Manual Integrations APPROVED
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Quant Time: May 24 03:15:33 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	20618	5.00	ng		-0.02
7) Naphthalene-d8	10.55	136	101092	5.00	ng		-0.02
13) Acenaphthene-d10	14.41	164	70302	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	187521	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	288653	5.00	ng		-0.02
35) Perylene-d12	23.73	264	248604	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	38982	7.23	ng		0.00
5) Phenol-d6	6.95	99	56901	7.50	ng		0.00
8) Nitrobenzene-d5	8.94	82	28720	4.29	ng		-0.01
14) 2,4,6-Tribromophenol	15.89	330	25821	9.46	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	77848	3.91	ng		-0.01
29) Terphenyl-d14	19.74	244	167083	4.09	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	9409	4.18	ng		99
3) n-Nitrosodimethylamine	3.61	42	14017	4.26	ng	#	96
6) bis(2-Chloroethyl)ether	7.20	93	24169	3.97	ng	#	77
9) Nitrobenzene	8.97	77	29857	4.33	ng		93
10) Naphthalene	10.61	128	82812	3.70	ng		97
11) Hexachlorobutadiene	10.90	225	13761	4.15	ng		96
12) 2-Methylnaphthalene	12.21	142	62243	4.14	ng		98
16) Acenaphthylene	14.11	152	124765	3.98	ng	#	86
17) Acenaphthene	14.46	154	71024	3.77	ng		90
18) Fluorene	15.43	166	100668	4.12	ng		97
20) 4-Bromophenyl-phenylether	16.31	248	30193	4.31	ng		93
21) Hexachlorobenzene	16.45	284	29984	4.11	ng		98
22) Pentachlorophenol	16.79	266	24571	8.14	ng	#	90
23) Phenanthrene	17.17	178	186956	5.08	ng		99
24) Anthracene	17.26	178	183725	4.50	ng		99
25) Fluoranthene	19.19	202	228379	4.58	ng		97
27) Benzidine	19.36	184	130667	4.73	ng	#	75
28) Pyrene	19.53	202	242476	3.83	ng		99
30) Benzo(a)anthracene	21.27	228	290527m	4.17	ng		
31) 3,3'-Dichlorobenzidine	21.22	252	73117	1.65	ng	#	79
32) Chrysene	21.31	228	216713m	3.64	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	120218	3.13	ng	#	79
34) Indeno(1,2,3-cd)pyrene	26.27	276	291378	4.08	ng		95
36) Benzo(b)fluoranthene	22.97	252	271319	4.36	ng	#	96
37) Benzo(k)fluoranthene	23.02	252	257985	4.05	ng	#	97
38) Benzo(a)pyrene	23.61	252	255500	4.30	ng	#	96
39) Dibenzo(a,h)anthracene	26.28	278	244059	4.21	ng		95
40) Benzo(g,h,i)perylene	27.06	276	246587	4.12	ng	#	93

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

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Instrument :
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ClientSampleId :
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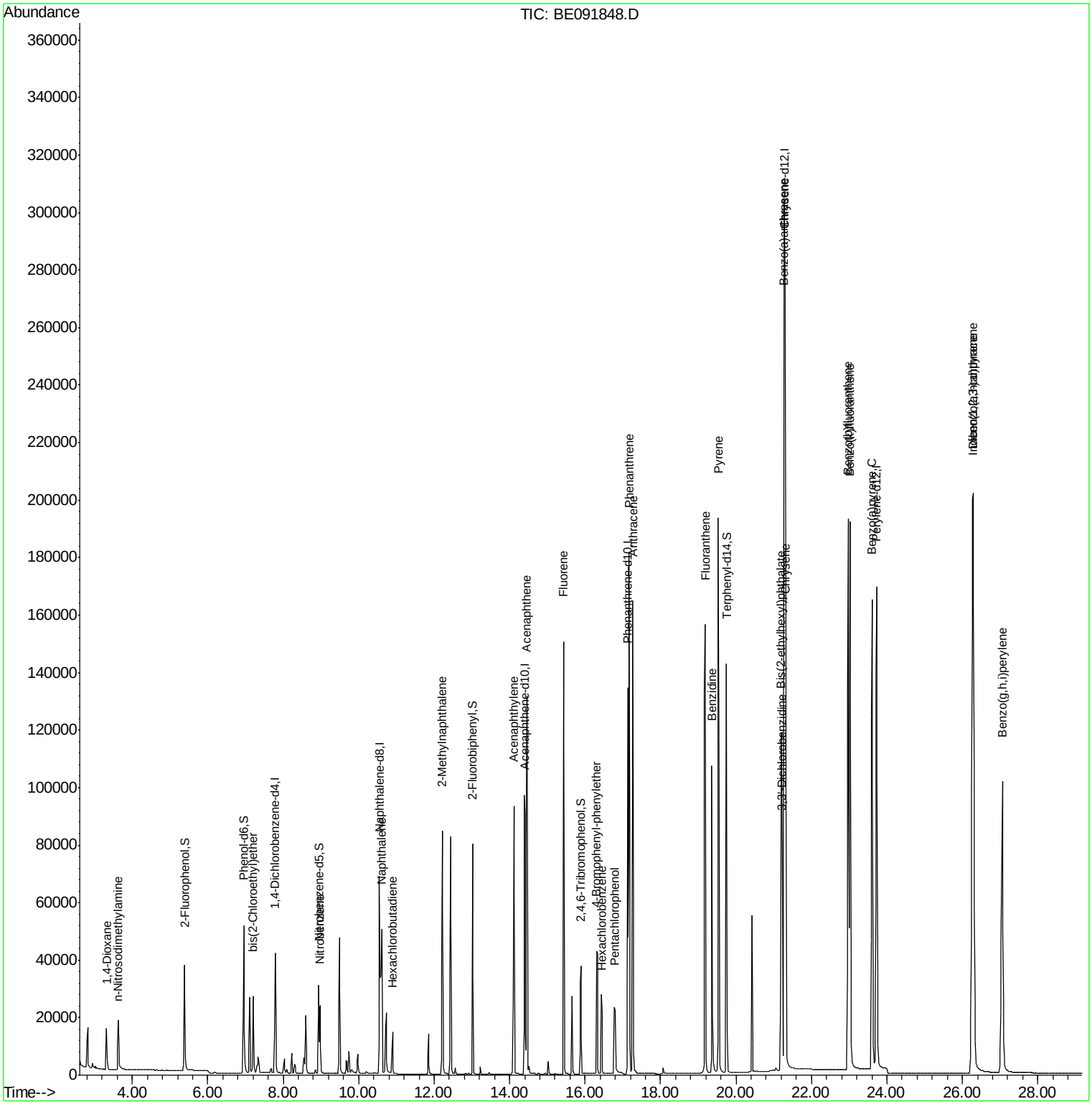
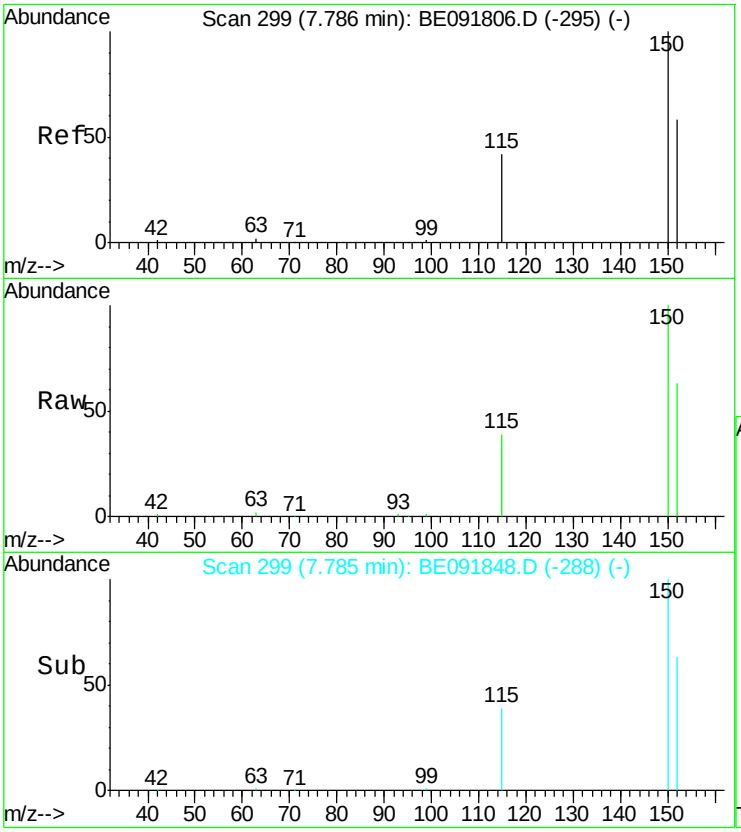
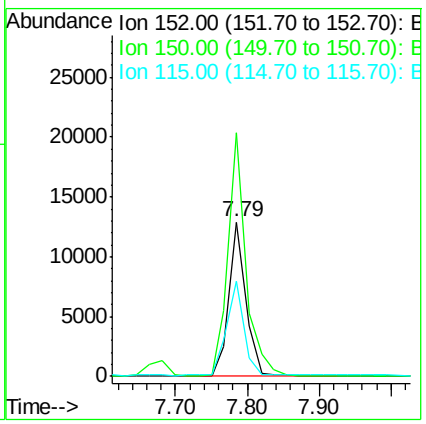




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:152 Resp: 20618

Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.6	183.8
115	61.4	52.8	79.2



Instrument :
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ClientSampleId :
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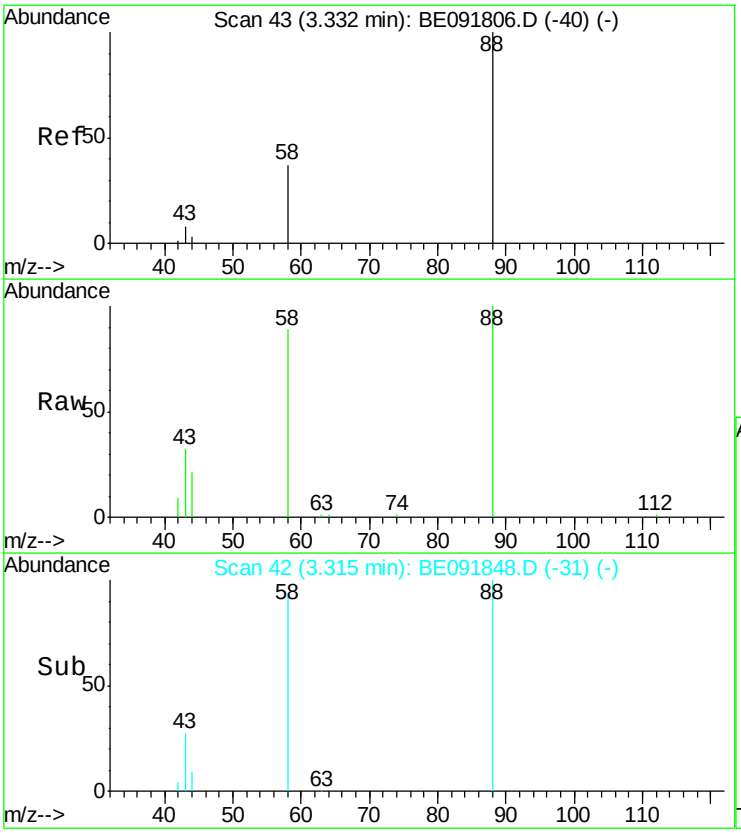
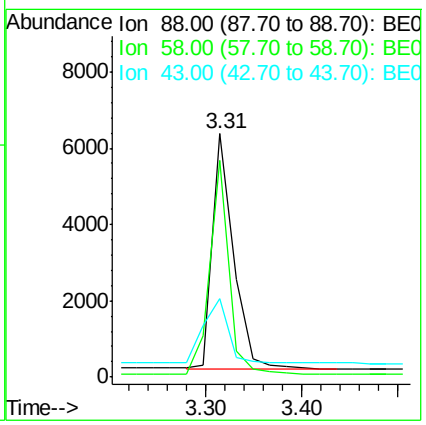
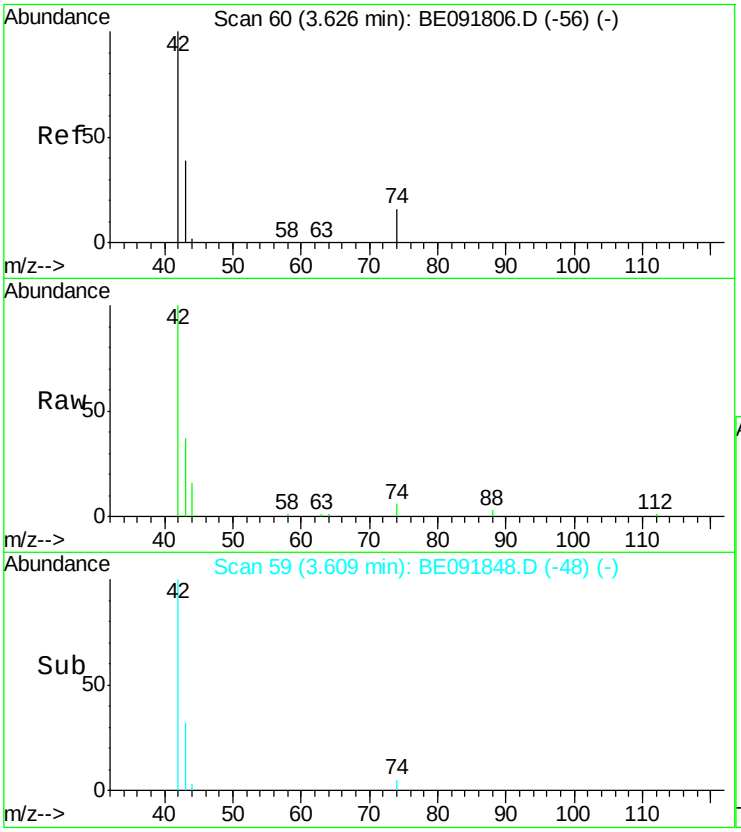


#2
1,4-Dioxane
Concen: 4.18 ng
RT: 3.31 min Scan# 42
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion: 88 Resp: 9409

Ion	Ratio	Lower	Upper
88	100		
58	82.3	65.8	98.6
43	32.6	25.3	37.9

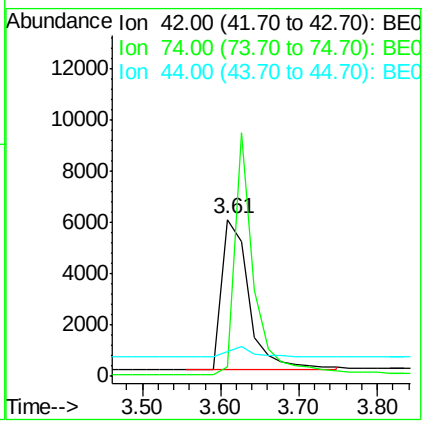




#3
n-Nitrosodimethylamine
Concen: 4.26 ng
RT: 3.61 min Scan# 59
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion: 42 Resp: 14017

Ion	Ratio	Lower	Upper
42	100		
74	113.9	87.9	131.9
44	6.0	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
PB90774BS

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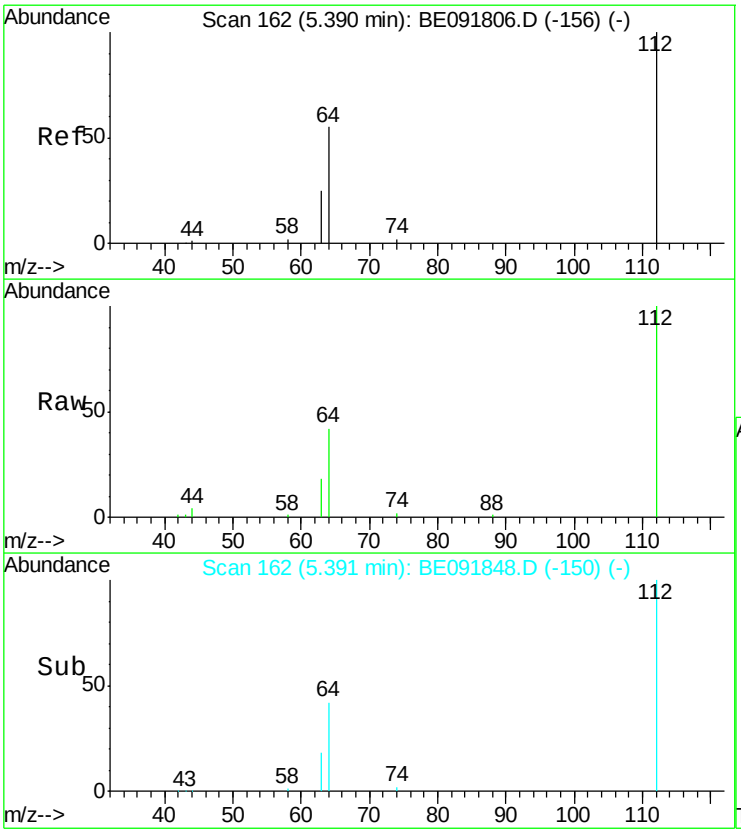
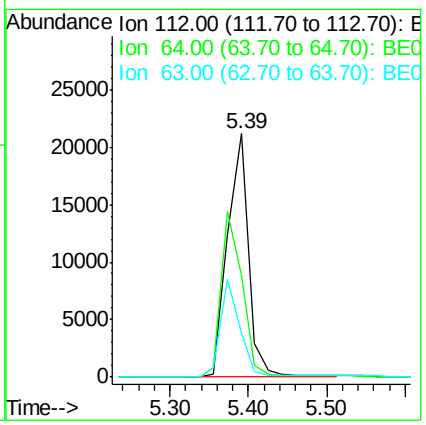
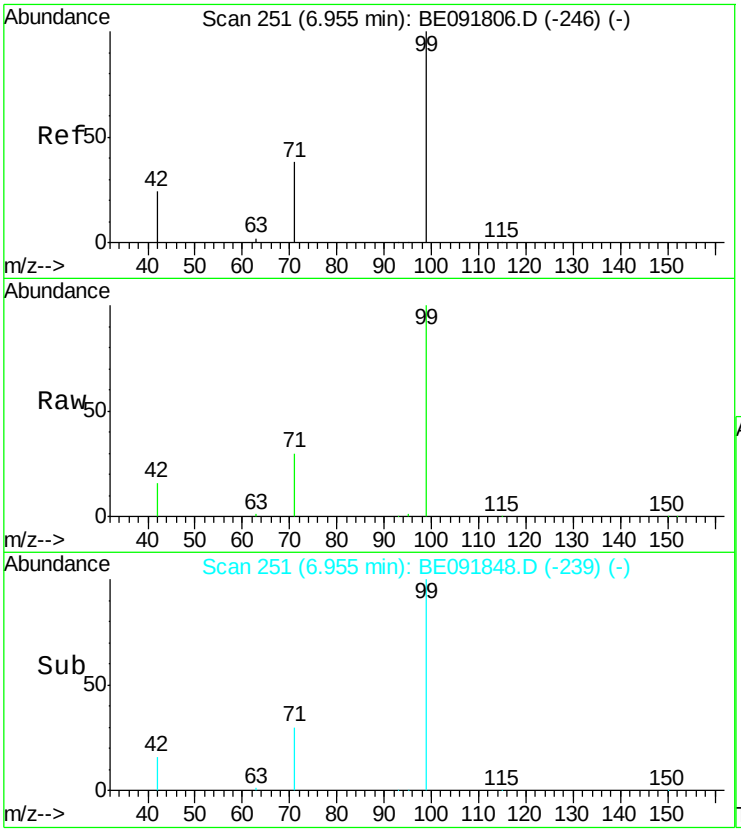


#4
2-Fluorophenol
Concen: 7.23 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:112 Resp: 38982

Ion	Ratio	Lower	Upper
112	100		
64	67.6	30.9	46.3#
63	36.2	16.7	25.1#

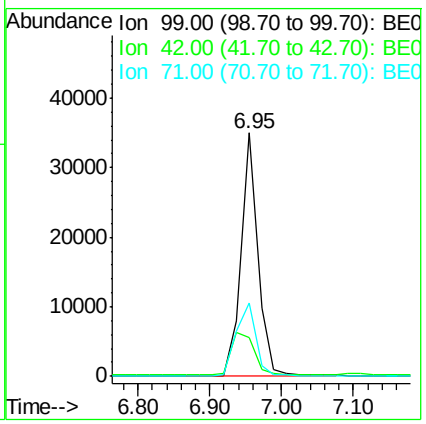




#5
Phenol-d6
Concen: 7.50 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion: 99 Resp: 56901

Ion	Ratio	Lower	Upper
99	100		
42	23.8	16.2	24.2
71	35.1	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB90774BS

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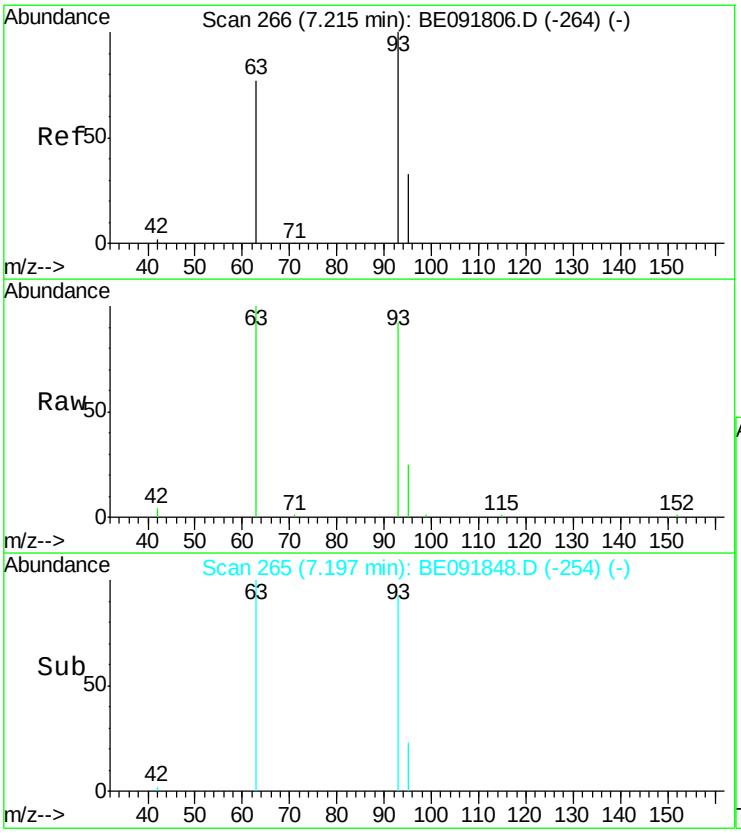
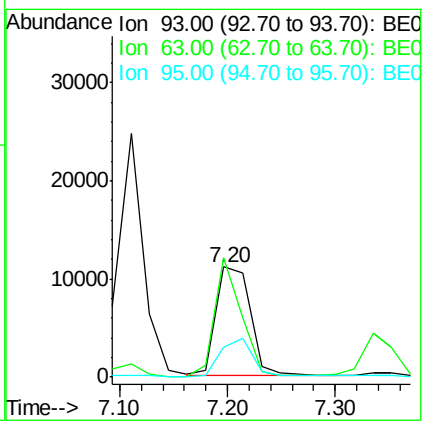
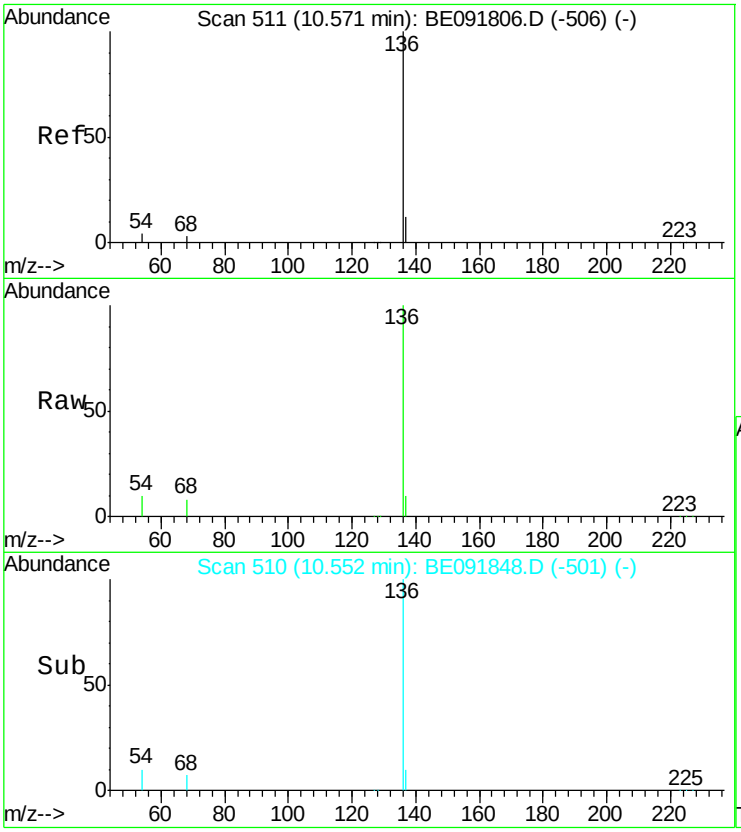


#6
bis(2-Chloroethyl)ether
Concen: 3.97 ng
RT: 7.20 min Scan# 265
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion: 93 Resp: 24169

Ion	Ratio	Lower	Upper
93	100		
63	84.9	49.5	74.3#
95	32.0	22.2	33.4

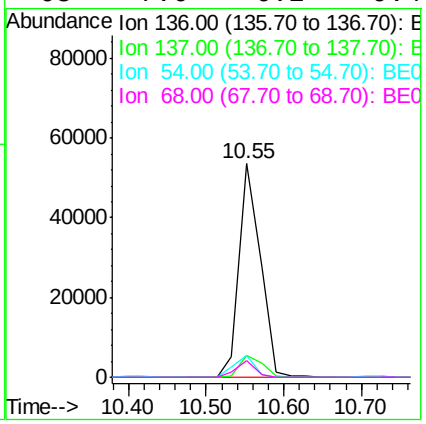




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:136 Resp: 101092

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	10.4	8.2	12.4
68	7.6	6.2	9.4



Instrument :
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ClientSampleId :
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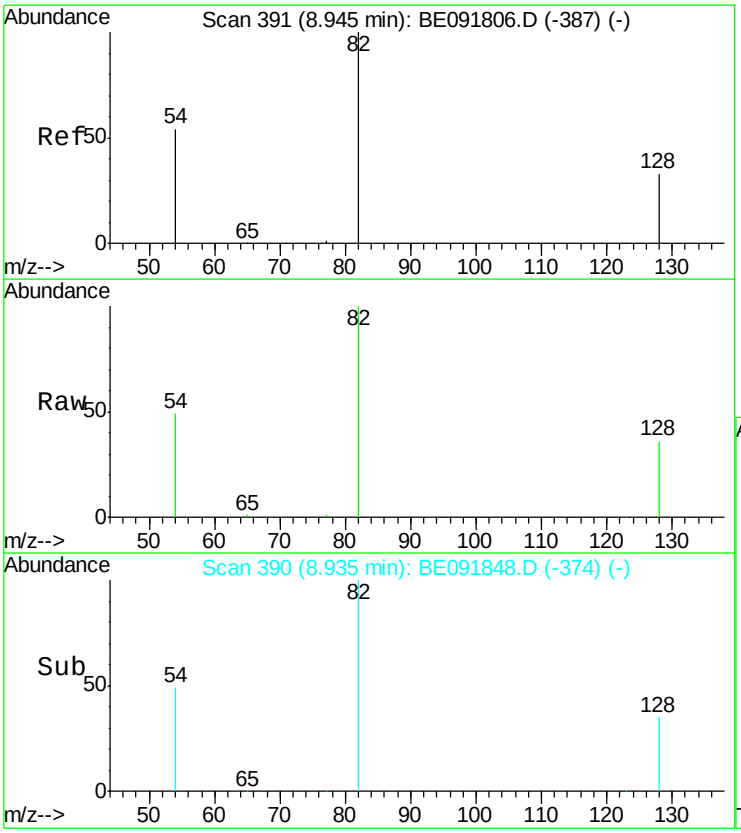
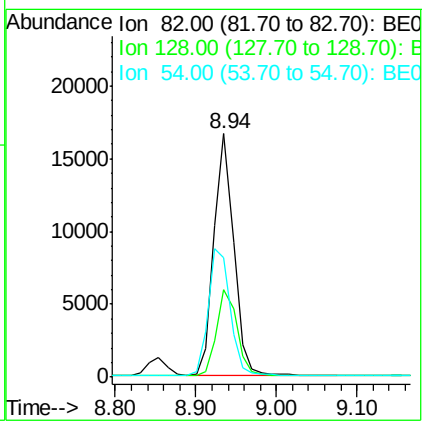
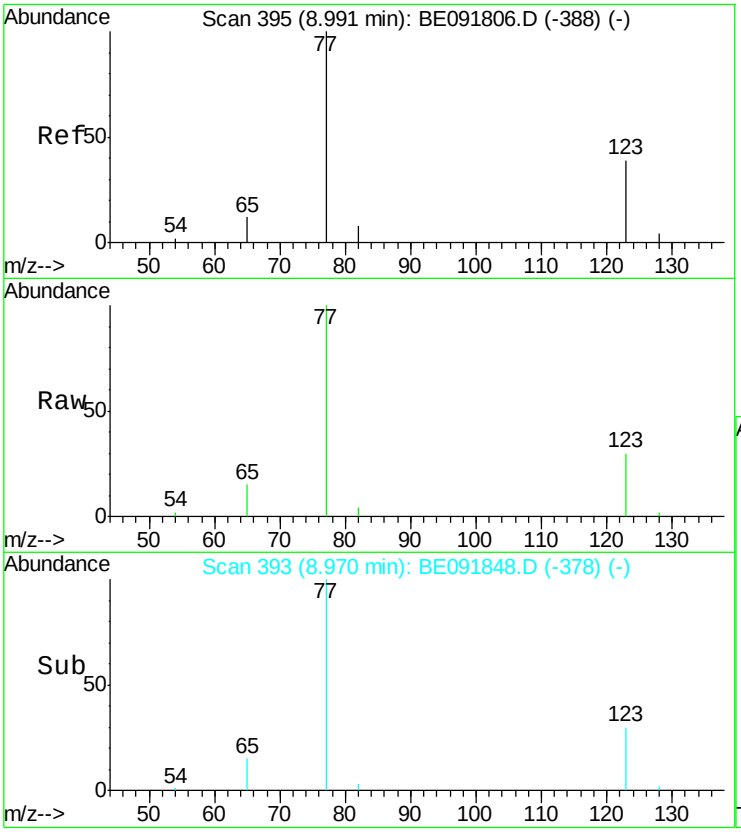


#8
Nitrobenzene-d5
Concen: 4.29 ng
RT: 8.94 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion: 82 Resp: 28720

Ion	Ratio	Lower	Upper
82	100		
128	35.8	25.4	38.0
54	49.0	48.4	72.6

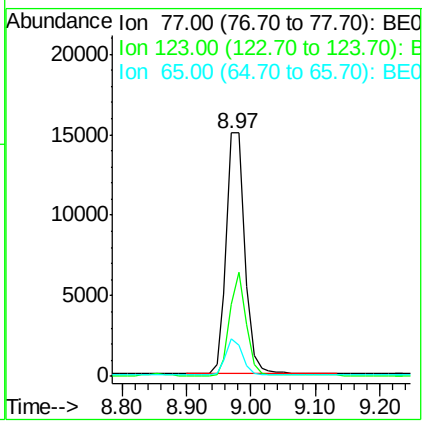




#9
Nitrobenzene
Concen: 4.33 ng
RT: 8.97 min Scan# 393
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion: 77 Resp: 29857

Ion	Ratio	Lower	Upper
77	100		
123	38.0	26.9	40.3
65	14.0	9.4	14.2



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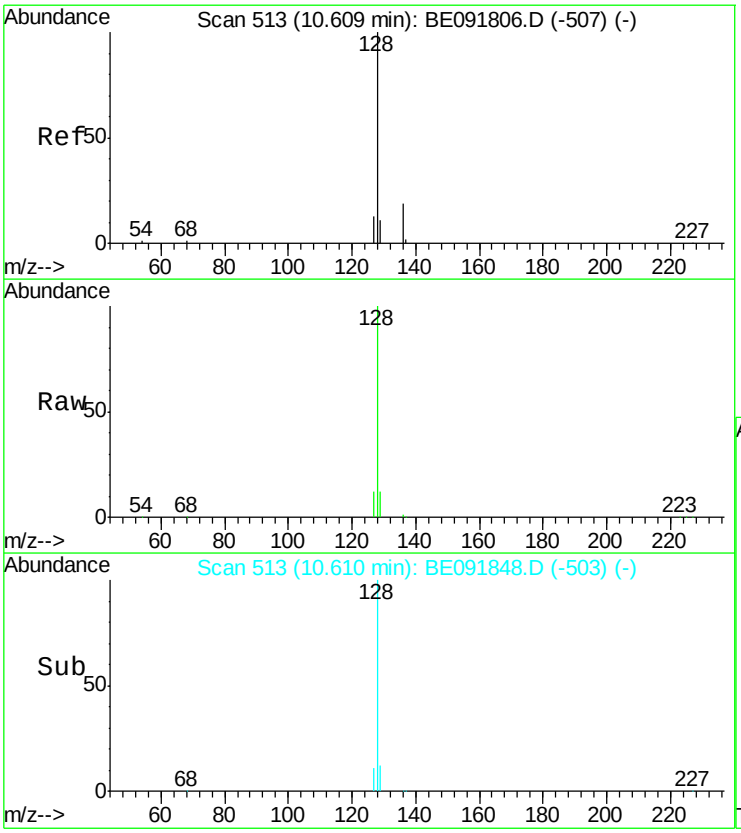
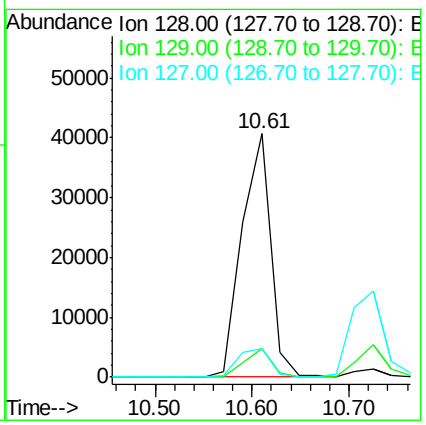
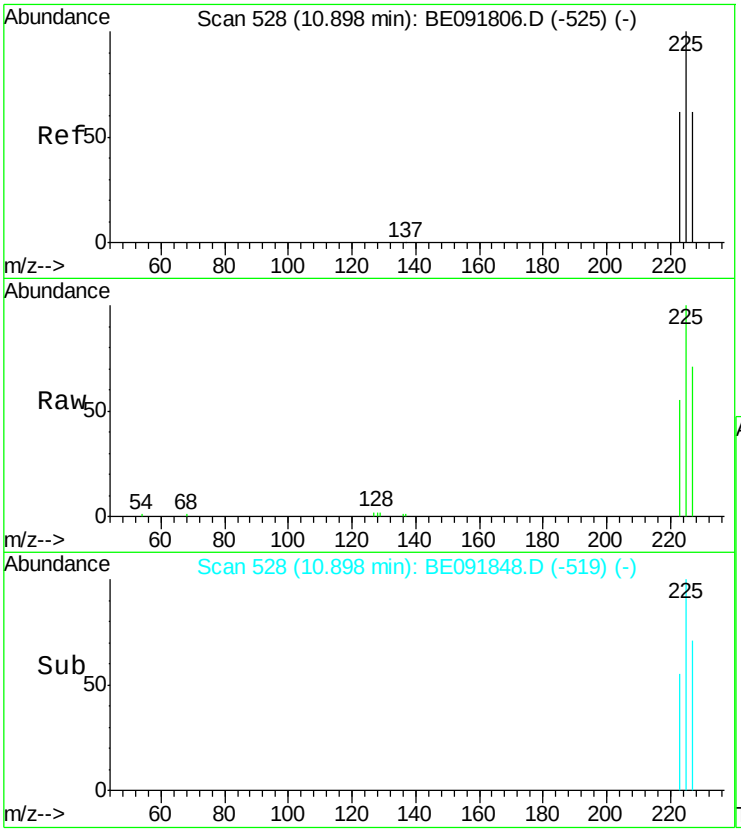


#10
Naphthalene
Concen: 3.70 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:128 Resp: 82812

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	11.6	10.7	16.1

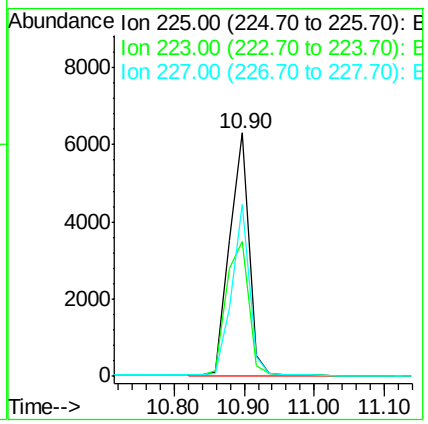




#11
Hexachlorobutadiene
Concen: 4.15 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:225 Resp: 13761

Ion	Ratio	Lower	Upper
225	100		
223	64.5	49.0	73.6
227	66.0	50.3	75.5



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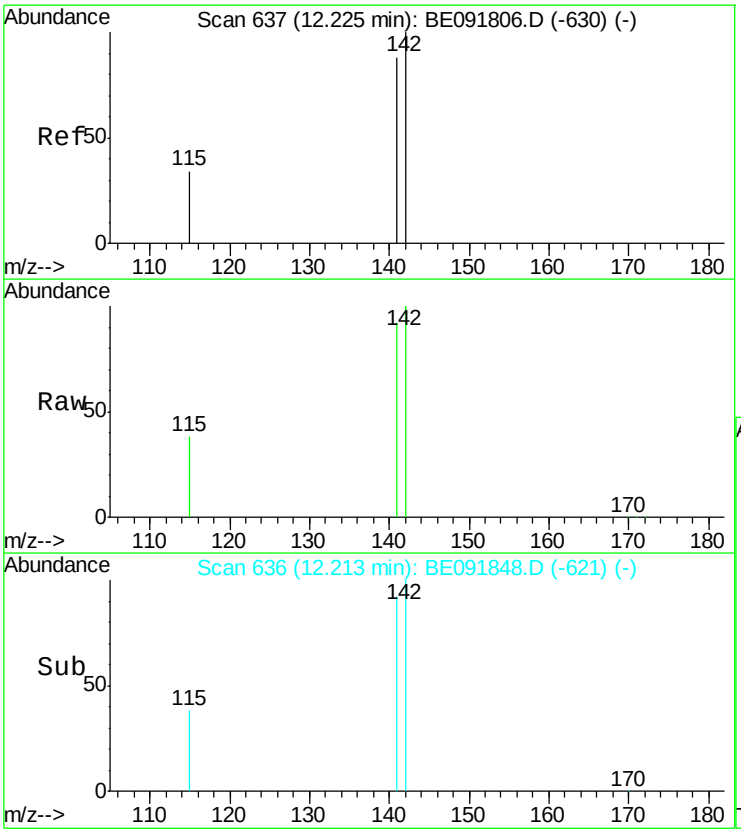
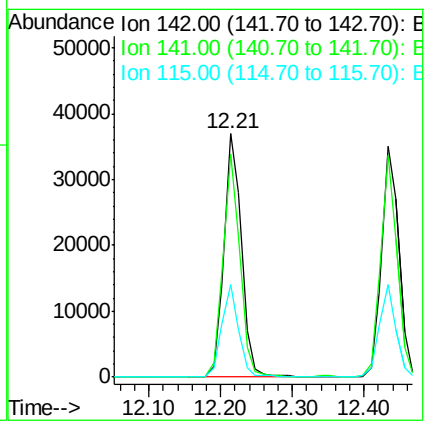
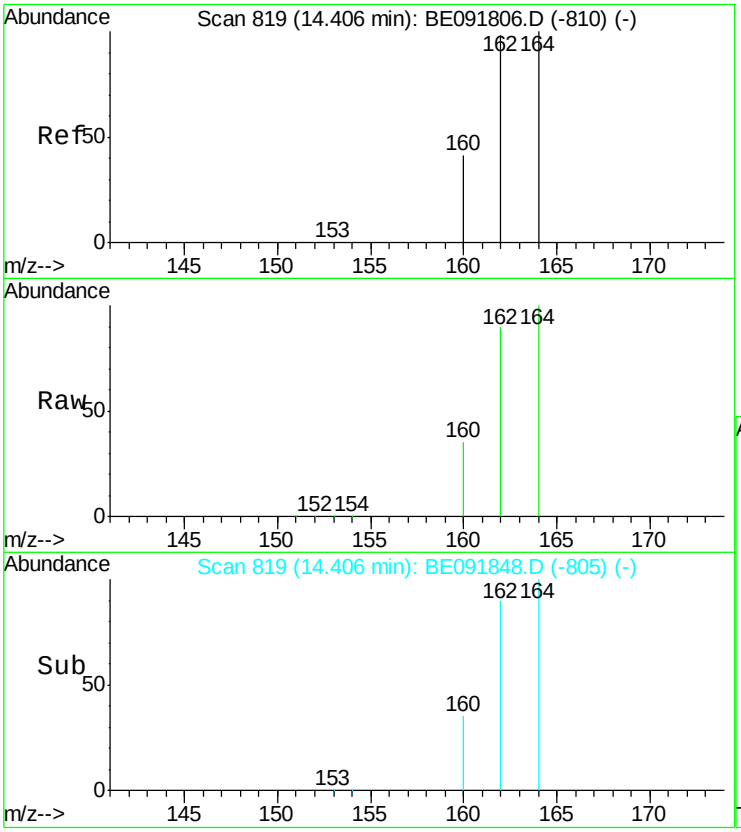


#12
2-Methylnaphthalene
Concen: 4.14 ng
RT: 12.21 min Scan# 636
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:142 Resp: 62243

Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.4	107.0
115	37.8	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:164 Resp: 70302

Ion	Ratio	Lower	Upper
164	100		
162	90.0	85.3	127.9
160	35.3	46.2	69.2#

Instrument :
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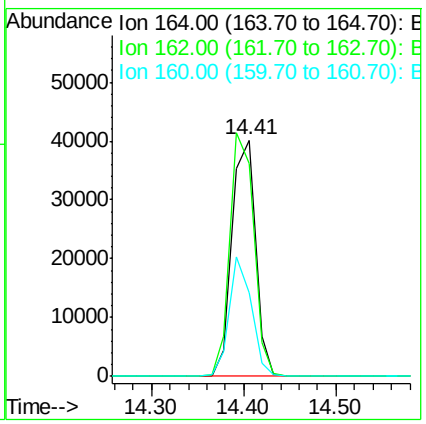
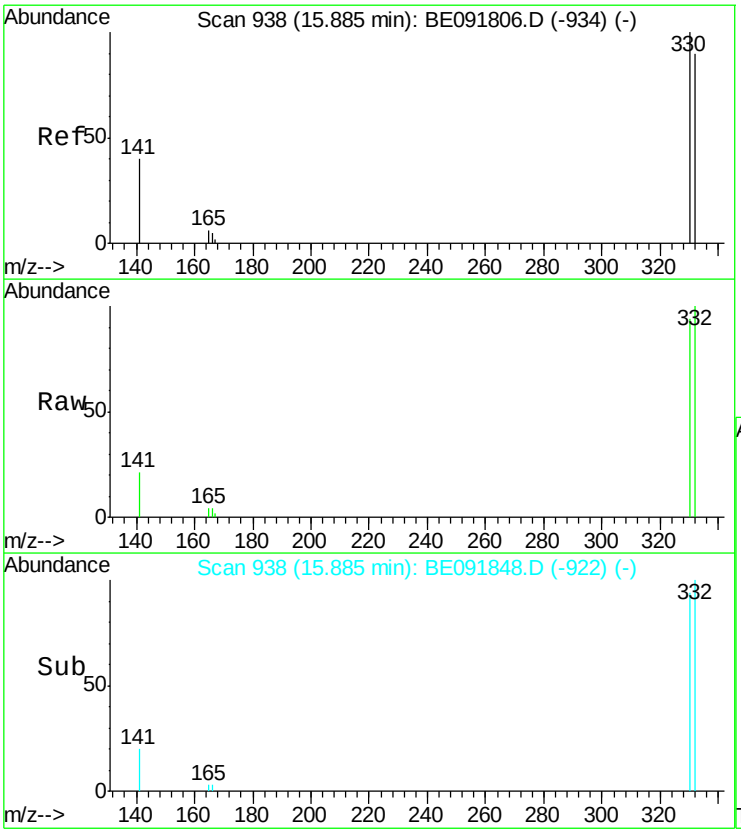
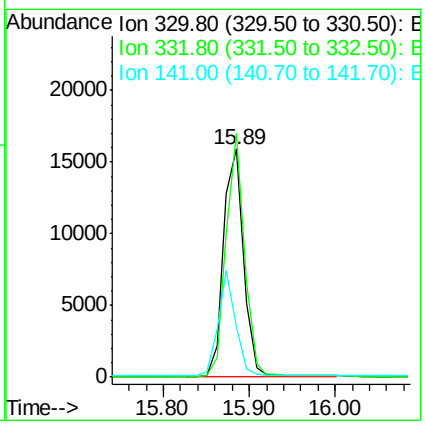


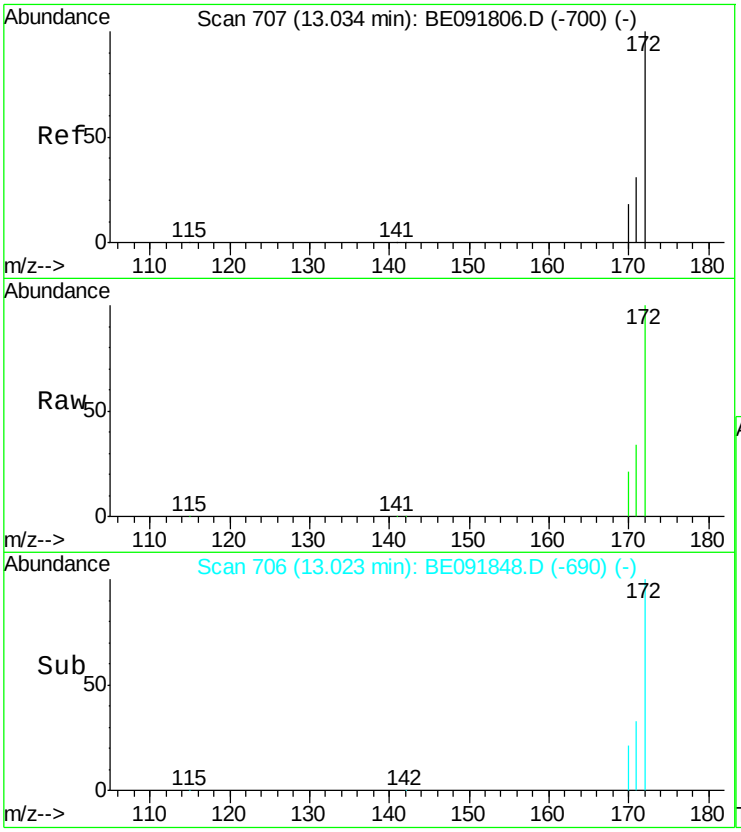


#14
2,4,6-Tribromophenol
Concen: 9.46 ng
RT: 15.89 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:330 Resp: 25821

Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.1	118.7
141	41.1	125.4	188.0#

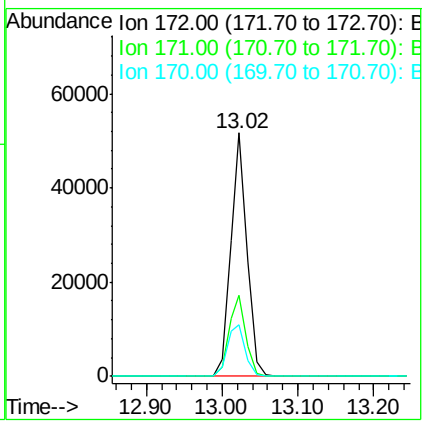




#15
2-Fluorobiphenyl
Concen: 3.91 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:172 Resp: 77848

Ion	Ratio	Lower	Upper
172	100		
171	33.5	28.8	43.2
170	21.3	19.3	28.9



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ClientSampleId :
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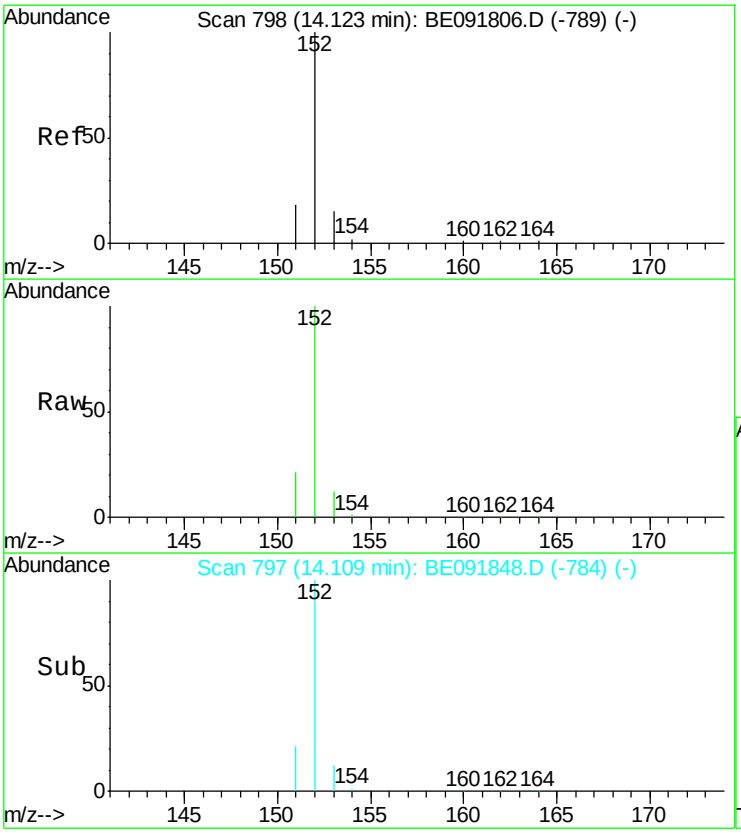
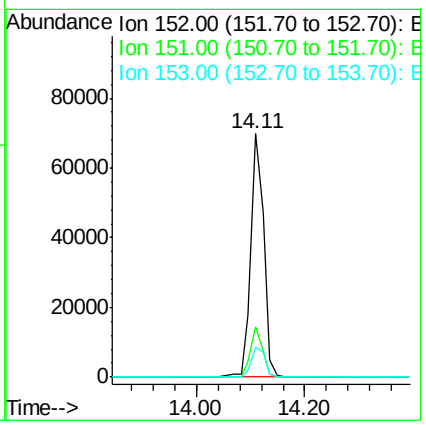
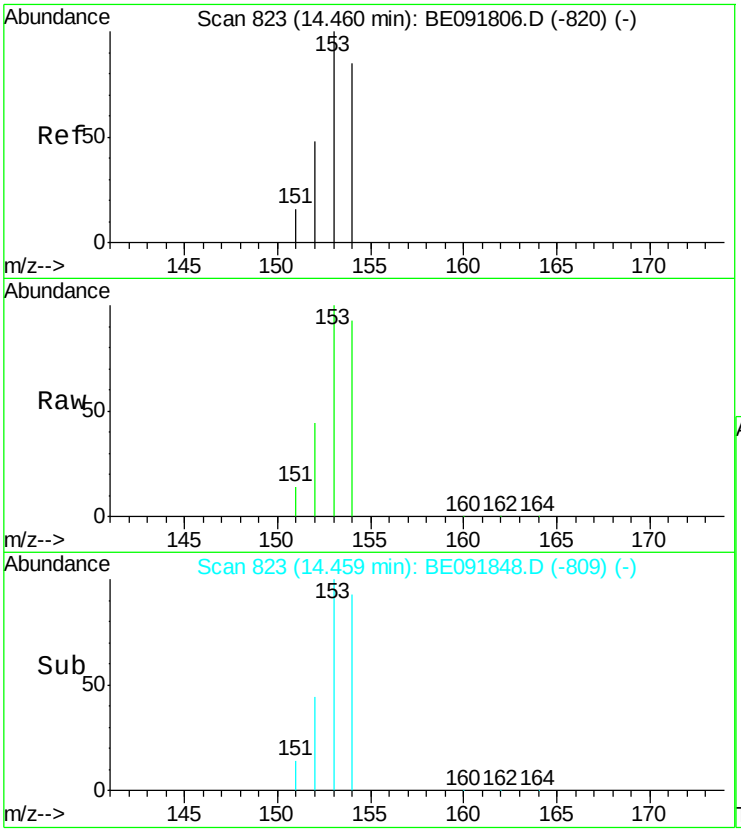


#16
Acenaphthylene
Concen: 3.98 ng
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:152 Resp: 124765

Ion	Ratio	Lower	Upper
152	100		
151	20.1	3.9	5.9#
153	13.8	10.3	15.5

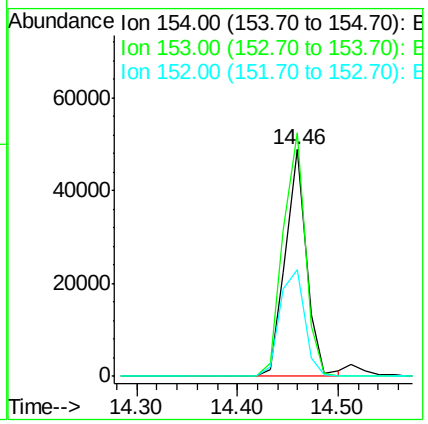




#17
Acenaphthene
Concen: 3.77 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:154 Resp: 71024

Ion	Ratio	Lower	Upper
154	100		
153	111.8	80.0	120.0
152	54.6	40.0	60.0



Instrument :
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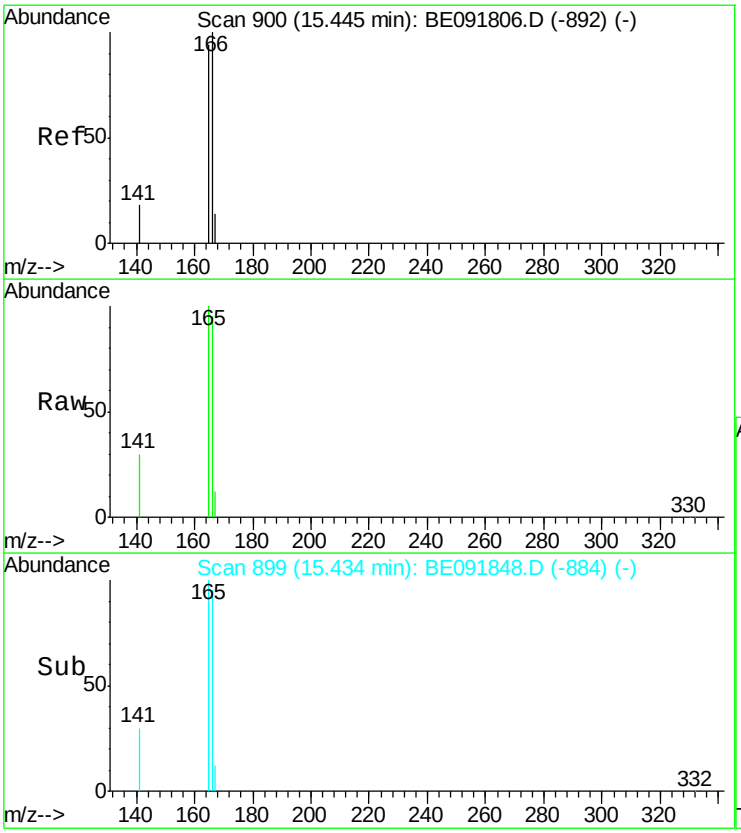
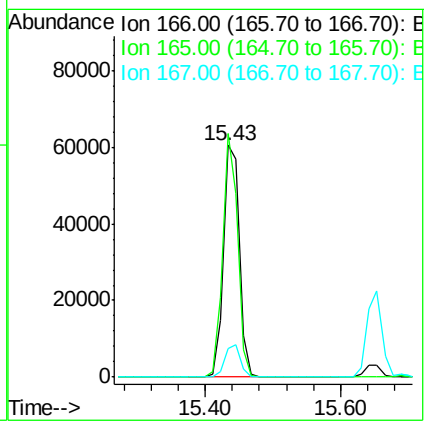
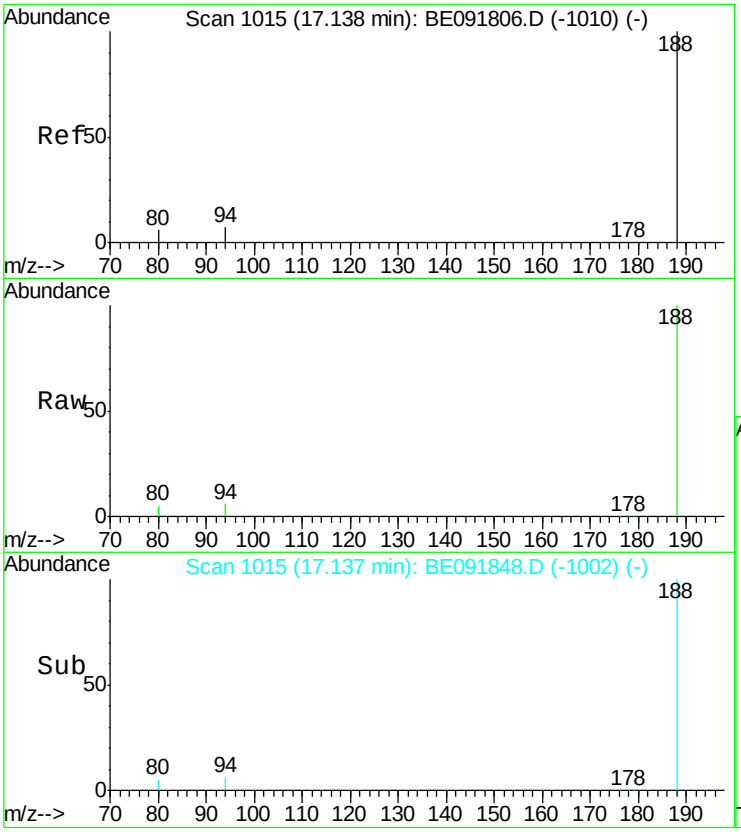


#18
Fluorene
Concen: 4.12 ng
RT: 15.43 min Scan# 899
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:166 Resp: 100668

Ion	Ratio	Lower	Upper
166	100		
165	97.7	80.8	121.2
167	13.6	10.9	16.3

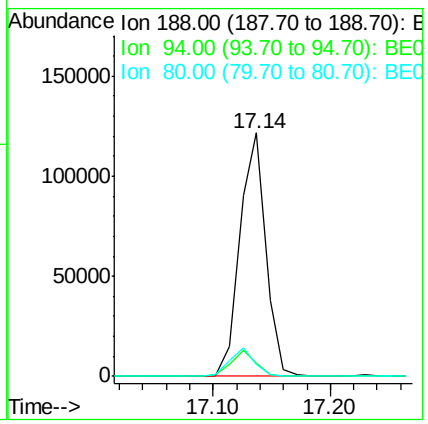




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:188 Resp: 187521

Ion	Ratio	Lower	Upper
188	100		
94	5.5	8.7	13.1#
80	4.7	9.4	14.0#



Instrument :
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ClientSampleId :
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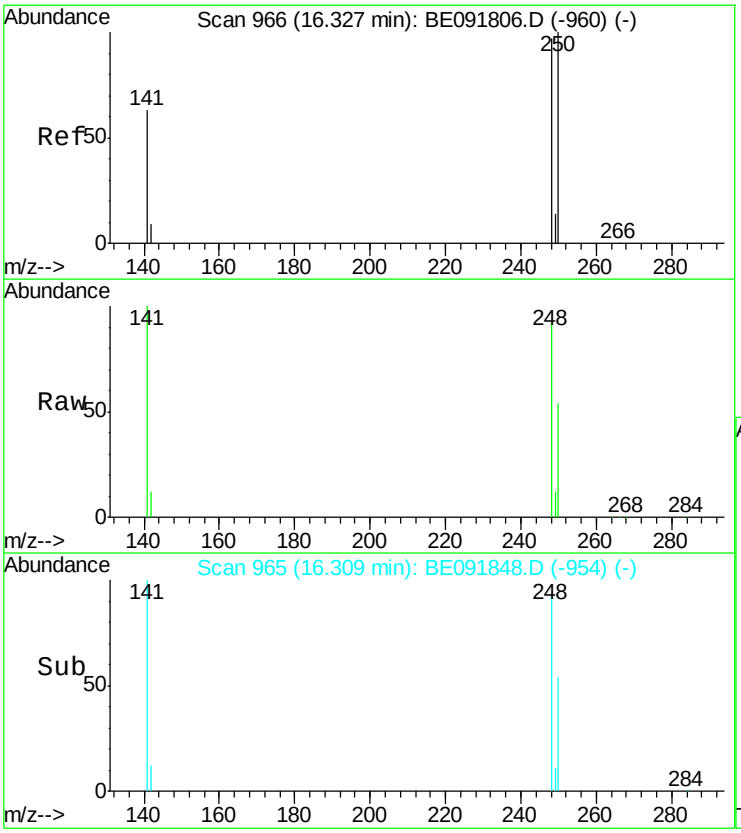
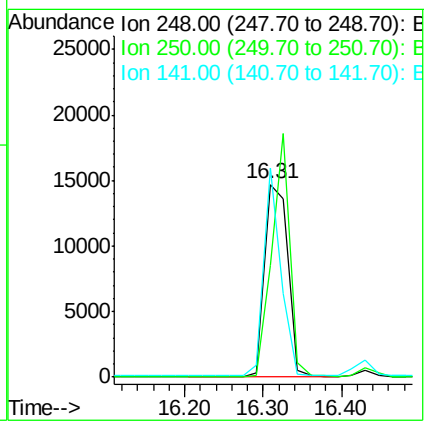
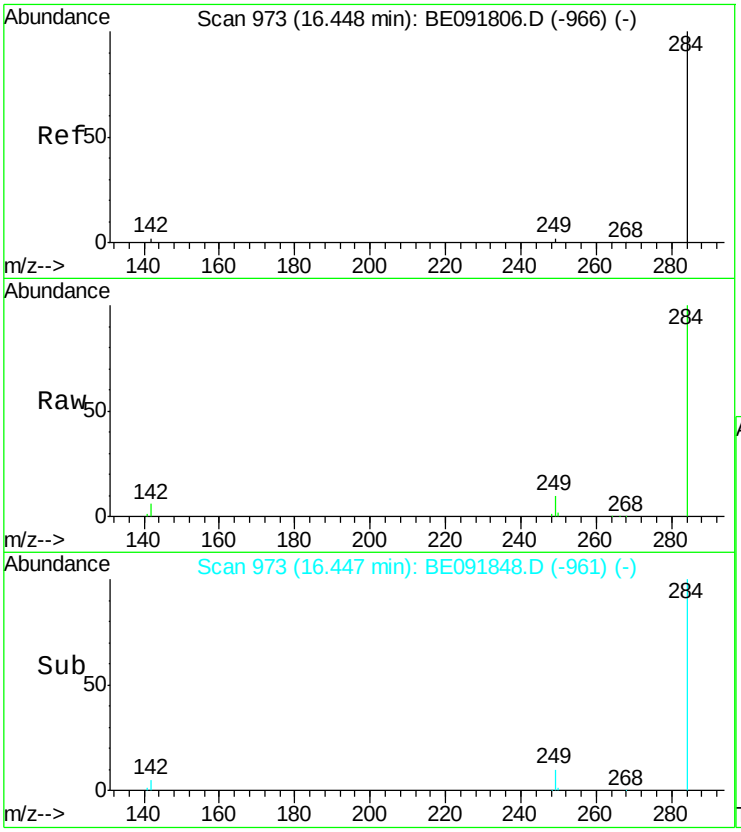


#20
4-Bromophenyl-phenylether
Concen: 4.31 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:248 Resp: 30193

Ion	Ratio	Lower	Upper
248	100		
250	97.2	80.5	120.7
141	79.7	72.0	108.0

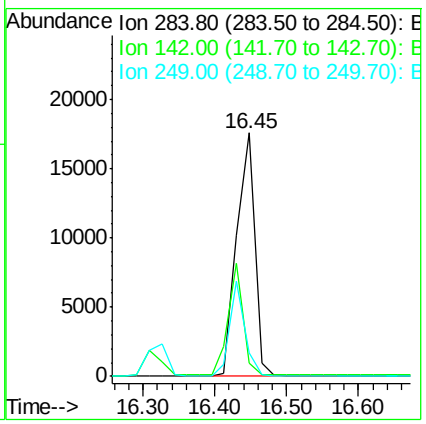




#21
Hexachlorobenzene
Concen: 4.11 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:284 Resp: 29984

Ion	Ratio	Lower	Upper
284	100		
142	38.6	32.2	48.2
249	32.6	25.4	38.2



Instrument :
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ClientSampleId :
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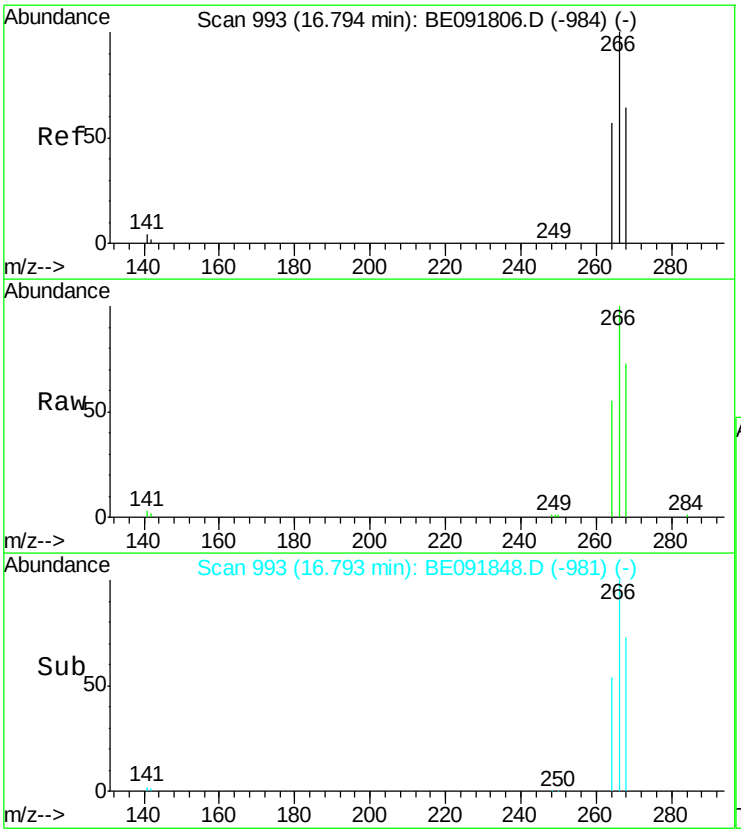
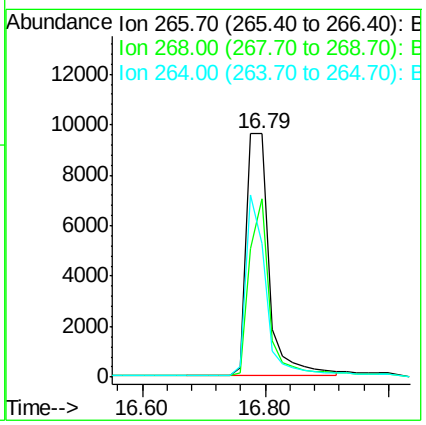
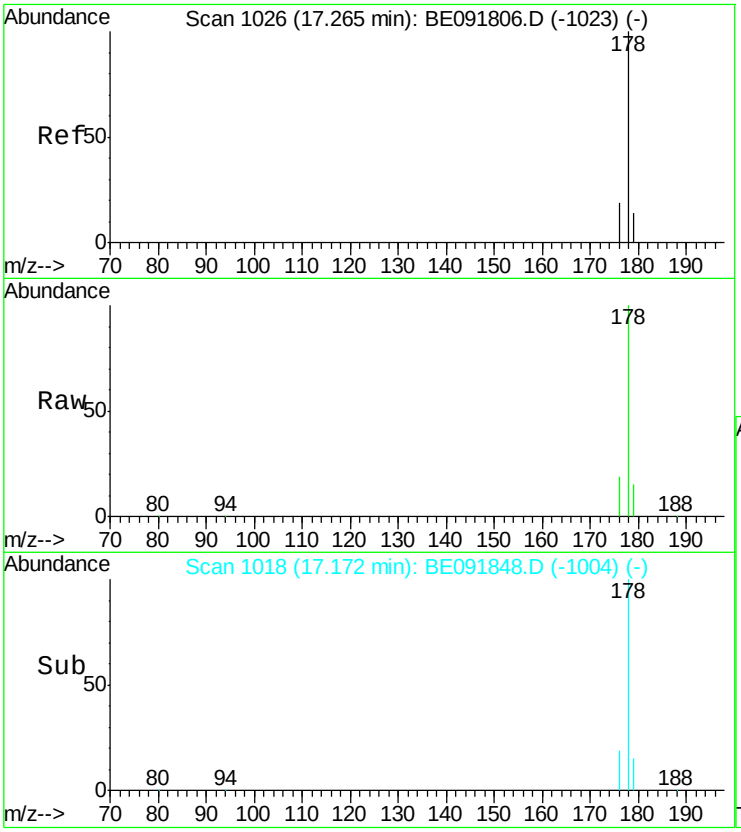


#22
Pentachlorophenol
Concen: 8.14 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:266 Resp: 24571

Ion	Ratio	Lower	Upper
266	100		
268	73.2	58.2	87.2
264	54.6	56.2	84.4#

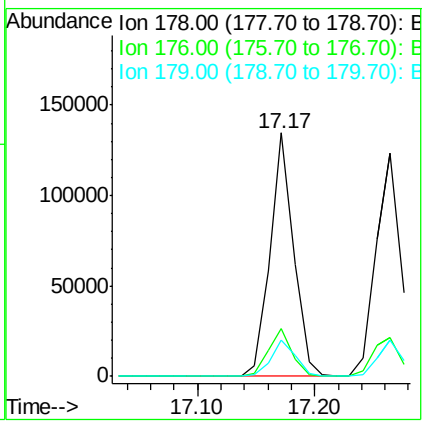




#23
Phenanthrene
Concen: 5.08 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:178 Resp: 186956

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.4	12.6	18.8



Instrument :
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ClientSampleId :
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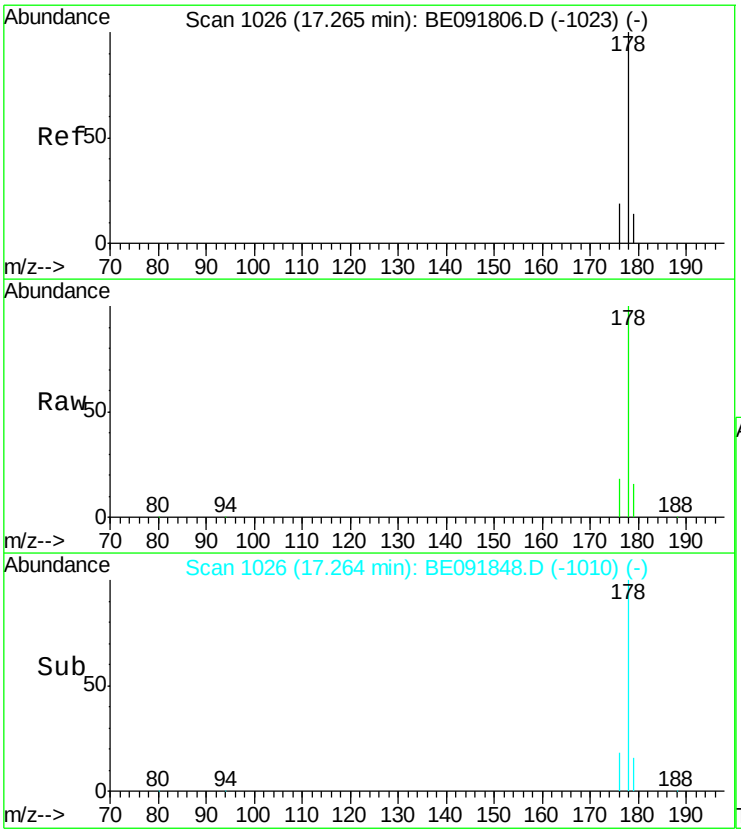
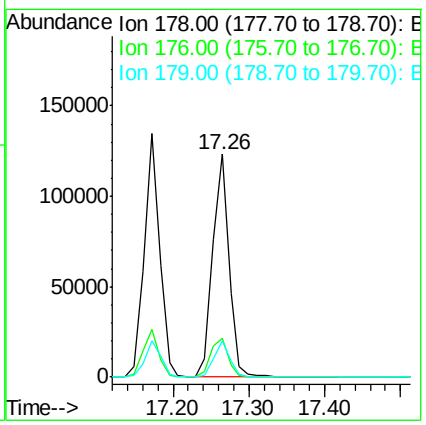
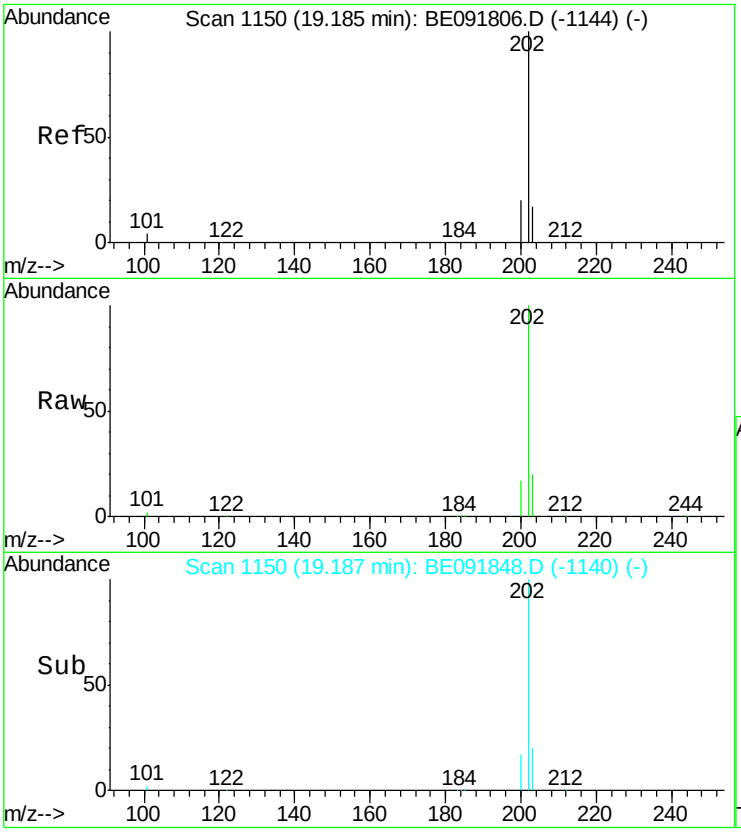


#24
Anthracene
Concen: 4.50 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:178 Resp: 183725

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.4	11.8	17.6

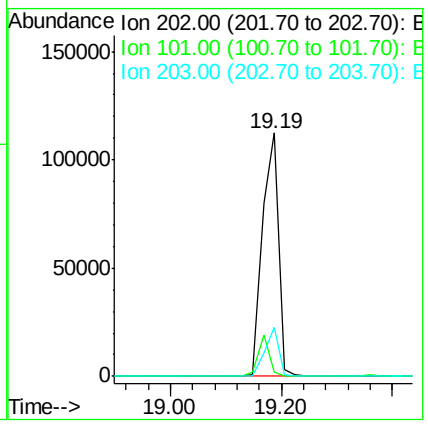




#25
Fluoranthene
Concen: 4.58 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:202 Resp: 228379

Ion	Ratio	Lower	Upper
202	100		
101	11.6	11.0	16.6
203	17.6	13.9	20.9



Instrument :
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ClientSampleId :
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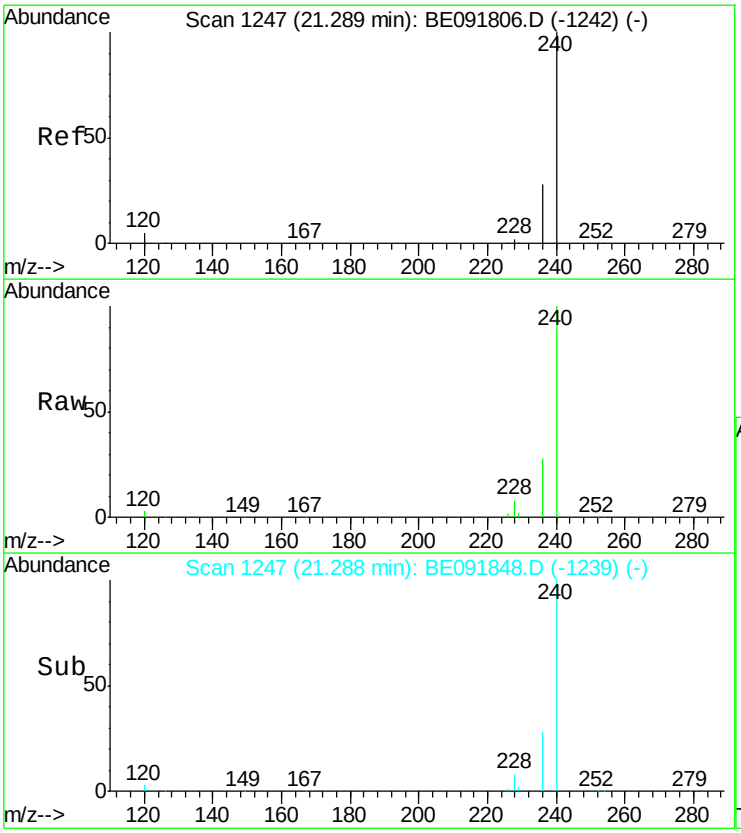
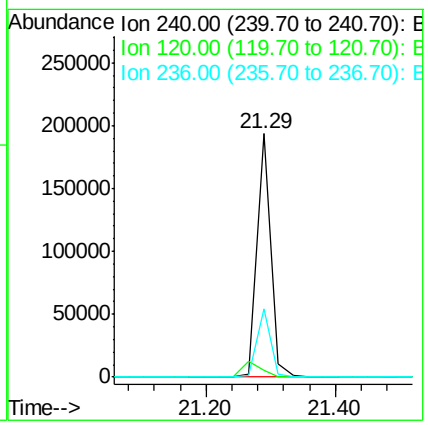
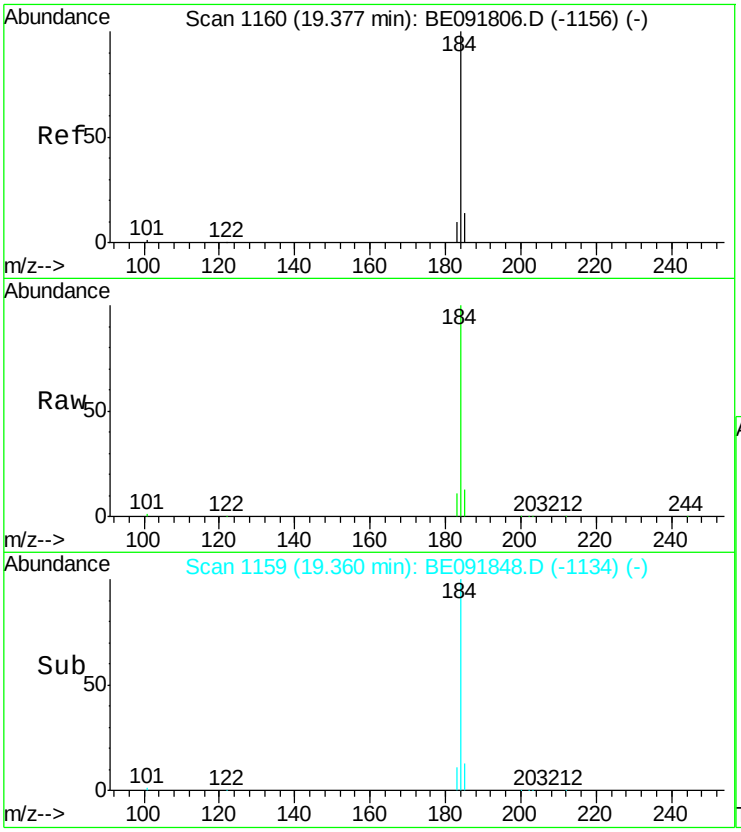


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:240 Resp: 288653

Ion	Ratio	Lower	Upper
240	100		
120	3.0	11.0	16.4#
236	28.0	21.7	32.5





#27
Benzidine
Concen: 4.73 ng
RT: 19.36 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:184 Resp: 130667

Ion	Ratio	Lower	Upper
184	100		
185	13.5	22.3	33.5#
183	10.7	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
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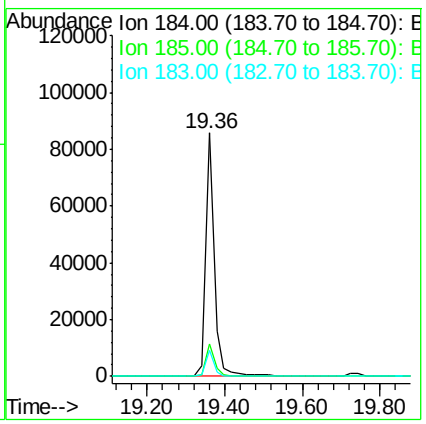
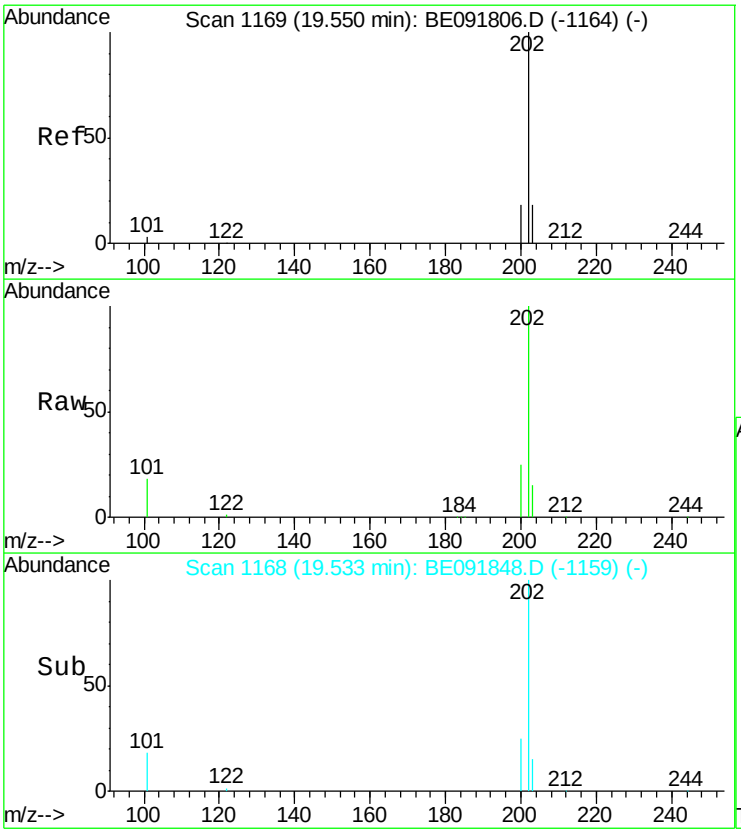
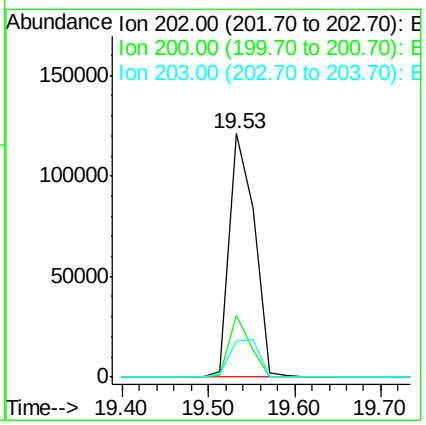


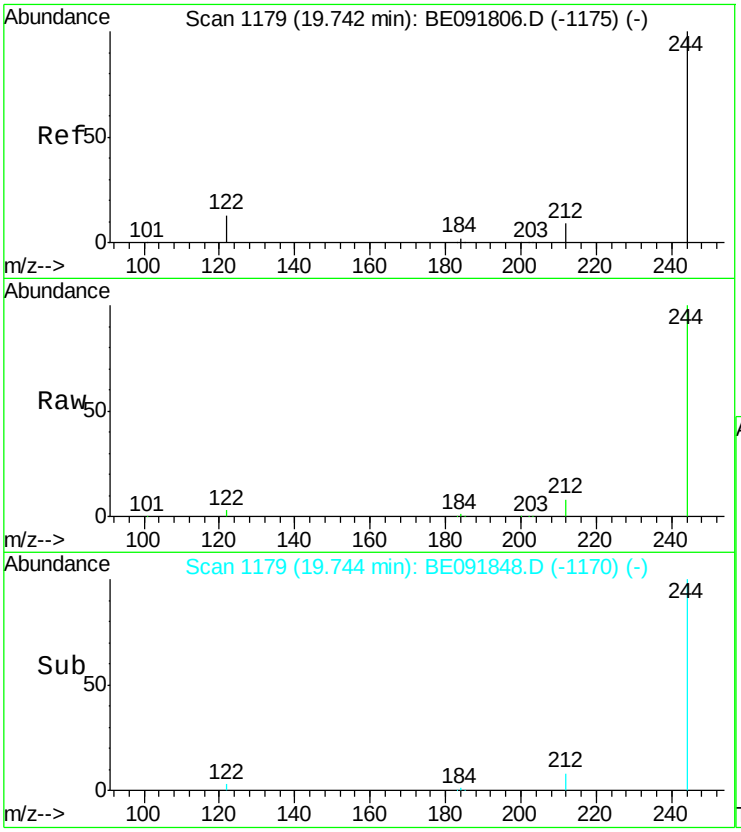


#28
Pyrene
Concen: 3.83 ng
RT: 19.53 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:202 Resp: 242476

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.2	14.0	21.0





#29
Terphenyl-d14
Concen: 4.09 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:244 Resp: 167083

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.9	10.3
122	3.4	11.0	16.4#

Instrument :
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ClientSampleId :
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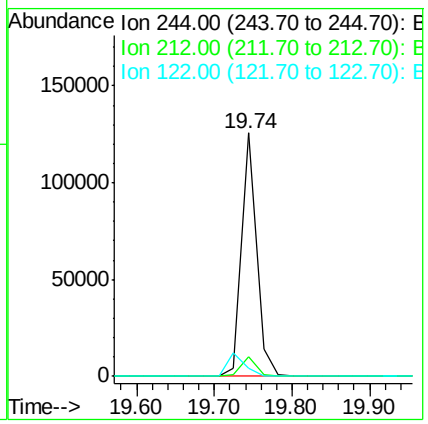
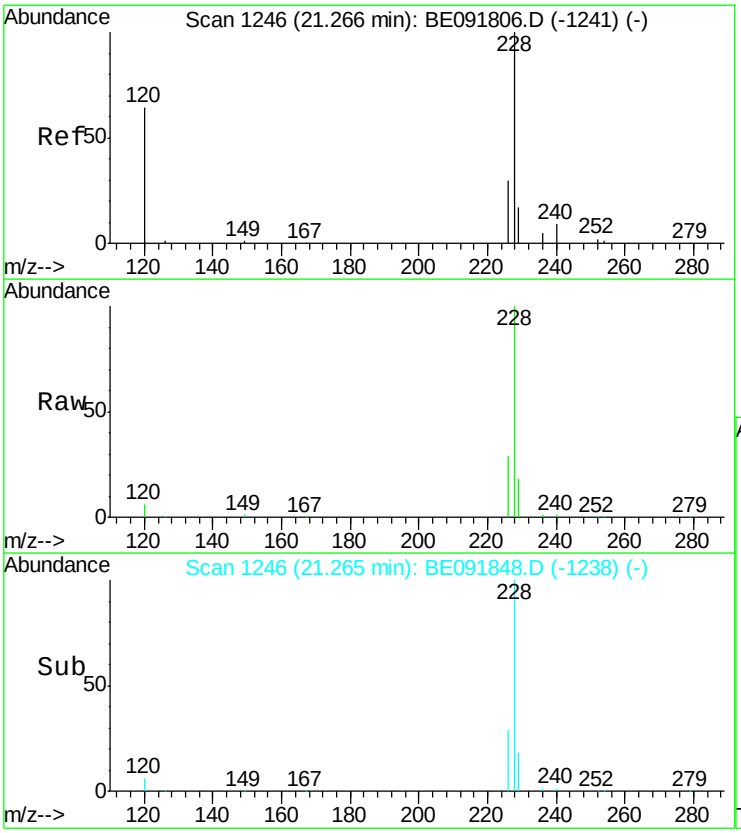
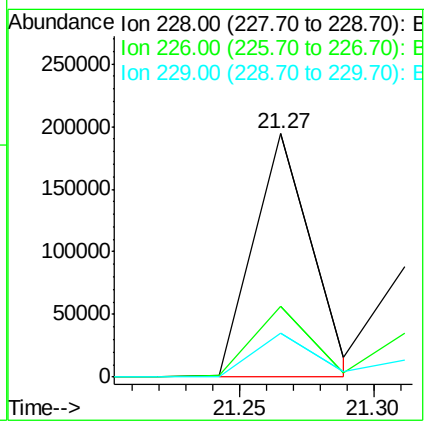


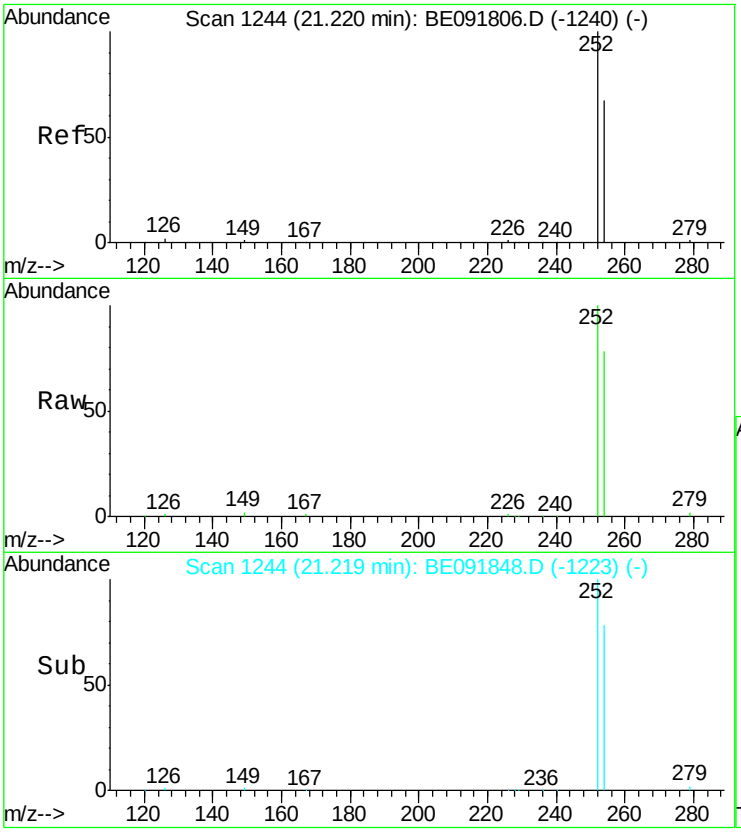


#30
Benzo(a)anthracene
Concen: 4.17 ng m
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:228 Resp: 290527

Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.0	31.4
229	17.8	15.7	23.5

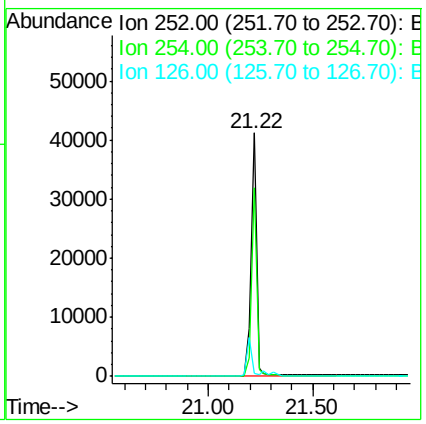




#31
3,3'-Dichlorobenzidine
Concen: 1.65 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:252 Resp: 73117

Ion	Ratio	Lower	Upper
252	100		
254	77.6	51.1	76.7#
126	1.2	12.6	18.8#



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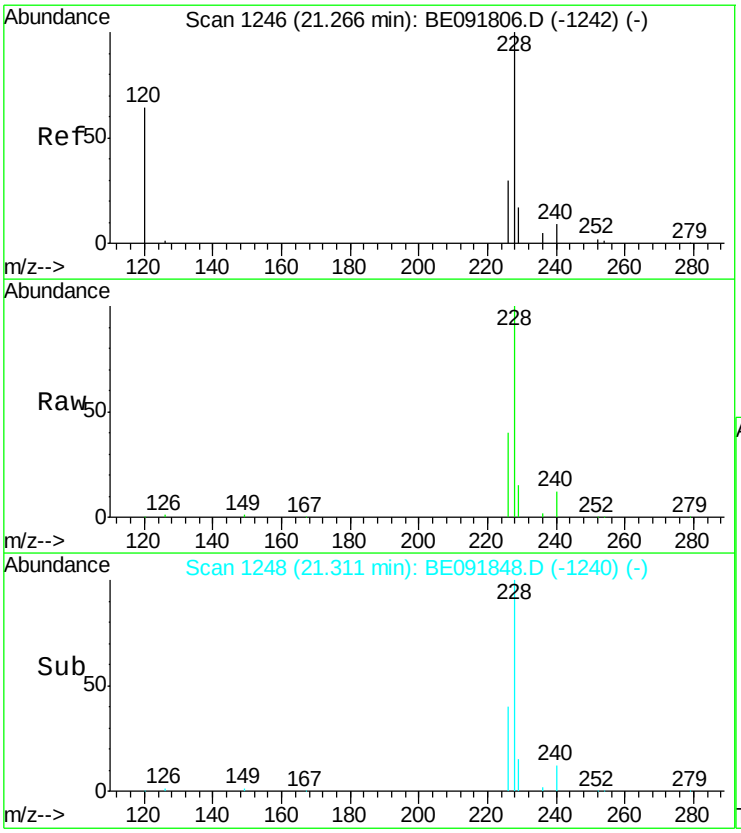
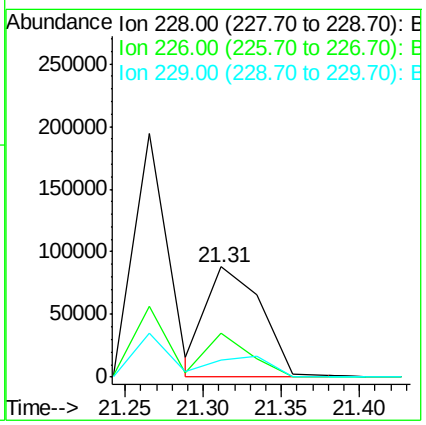
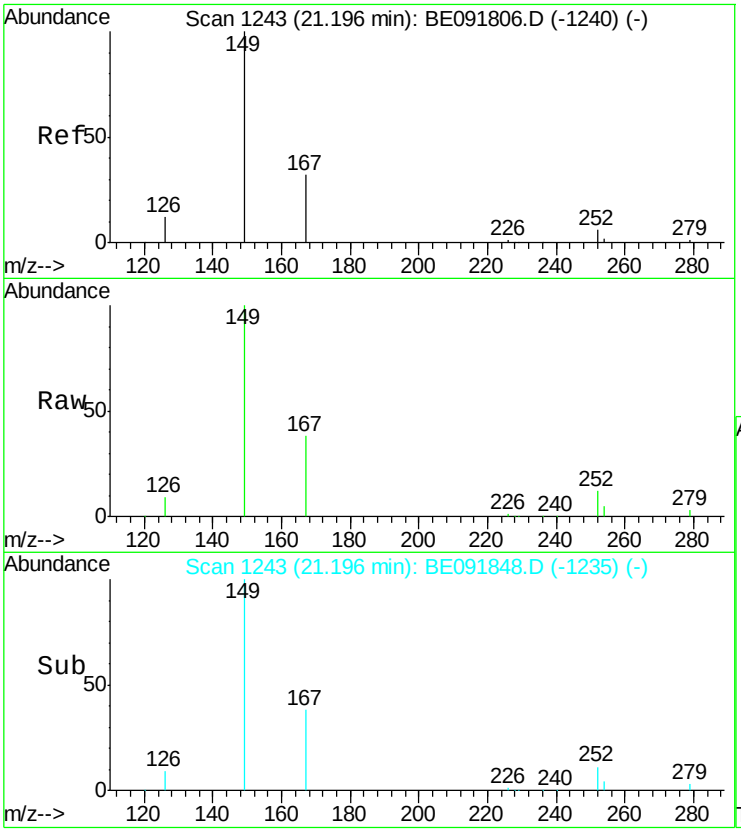


#32
Chrysene
Concen: 3.64 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:228 Resp: 216713

Ion	Ratio	Lower	Upper
228	100		
226	39.7	24.0	36.0#
229	15.2	15.9	23.9#





#33
Bis(2-ethylhexyl)phthalate
Concen: 3.13 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

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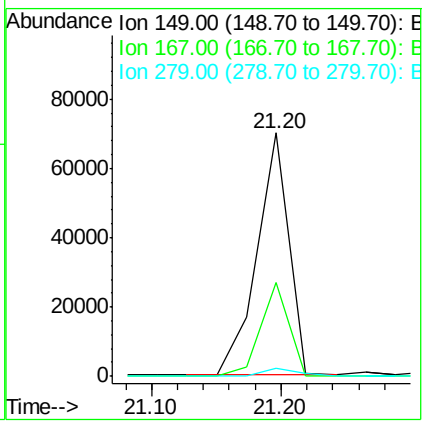
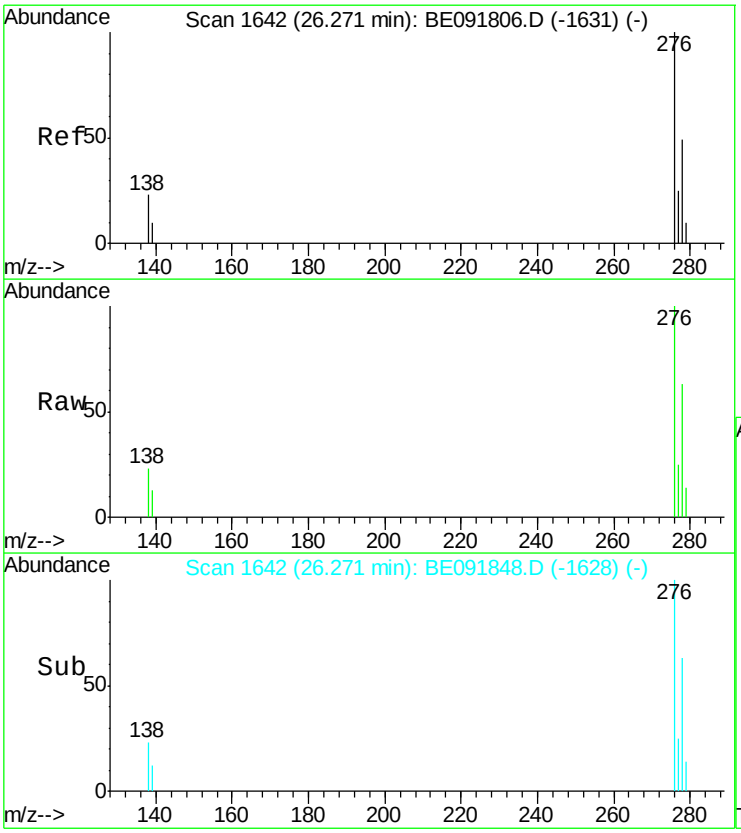
Tgt Ion:149 Resp: 120218

Ion	Ratio	Lower	Upper
149	100		
167	34.1	19.5	29.3#
279	3.4	10.0	15.0#

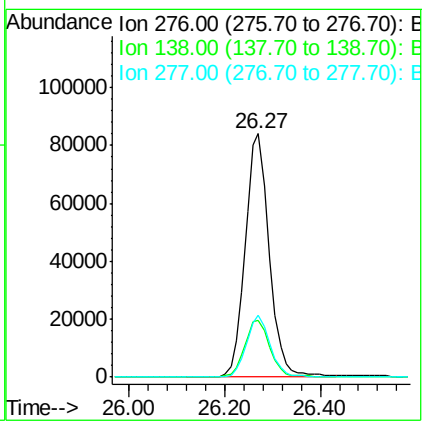


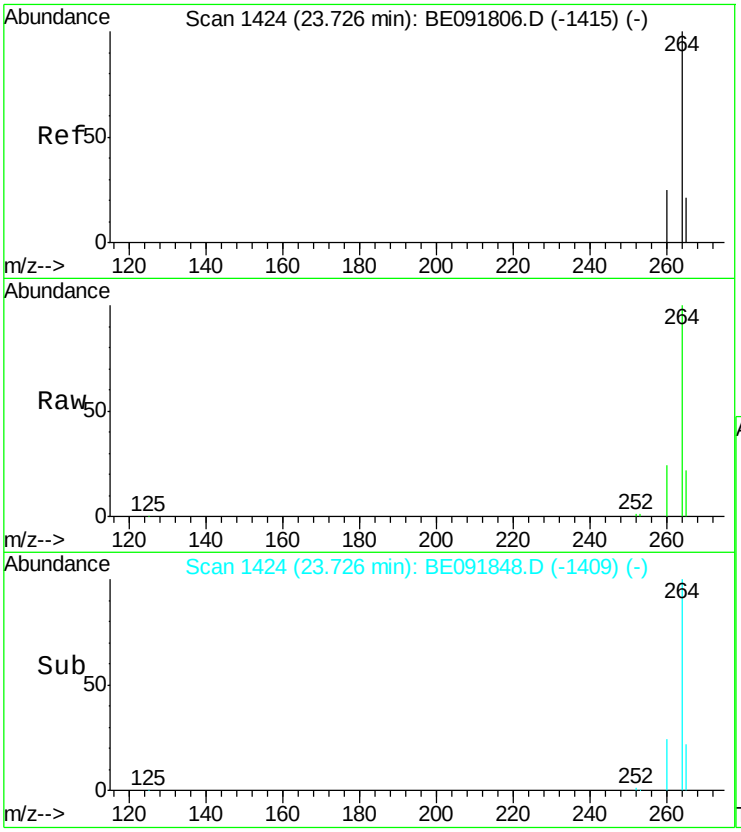


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.08 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:276 Resp: 291378

Ion	Ratio	Lower	Upper
276	100		
138	24.4	23.4	35.2
277	24.9	19.8	29.8

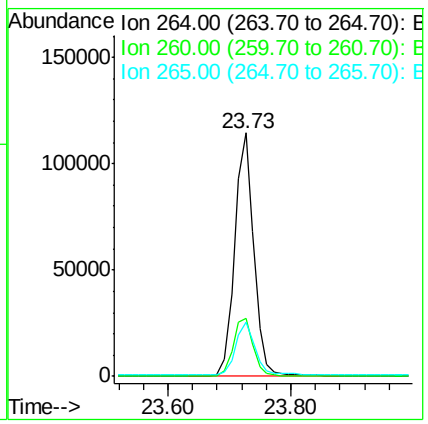




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:264 Resp: 248604

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.0	30.0
265	22.3	17.5	26.3



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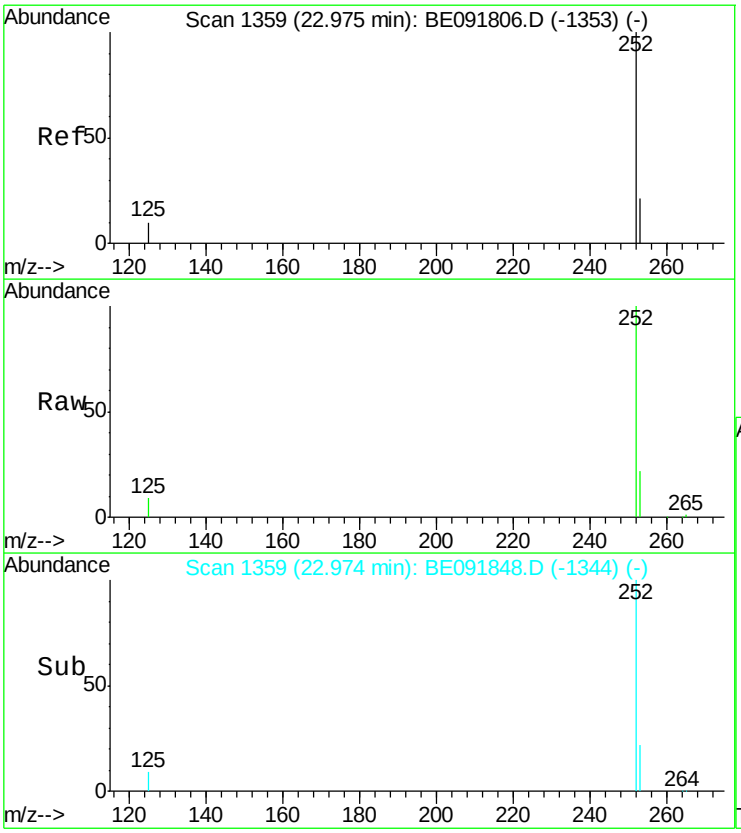
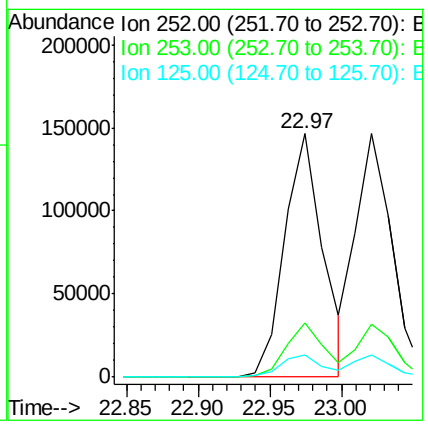
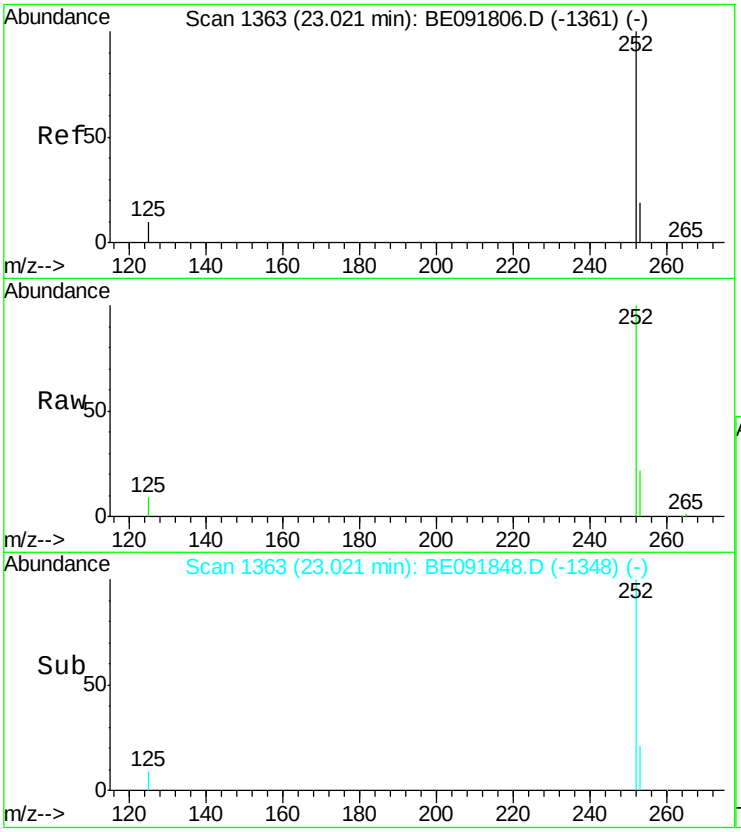


#36
Benzo(b)fluoranthene
Concen: 4.36 ng
RT: 22.97 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:252 Resp: 271319

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	9.2	10.2	15.2#





#37
Benzo(k)fluoranthene
Concen: 4.05 ng
RT: 23.02 min Scan# 1363
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:252 Resp: 257985

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.2	9.9	14.9#

Instrument :
BNA_E
ClientSampleId :
PB90774BS

Manual Integrations APPROVED
umangi
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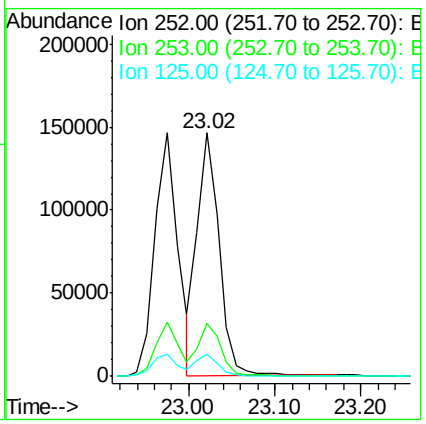
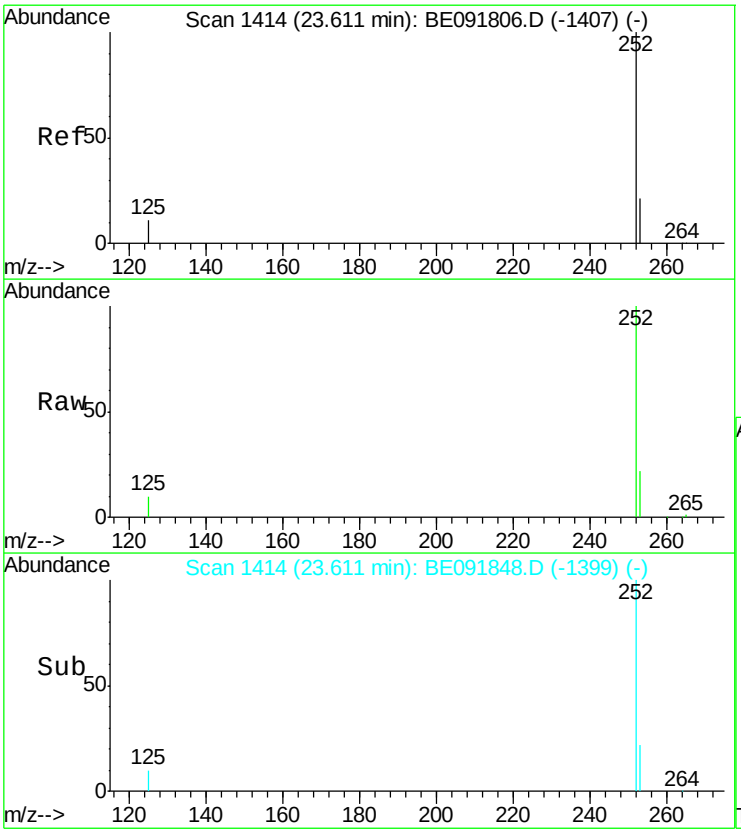
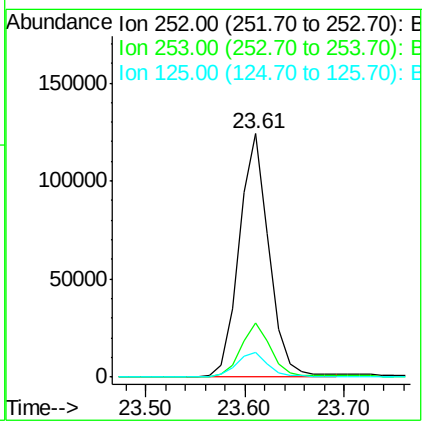


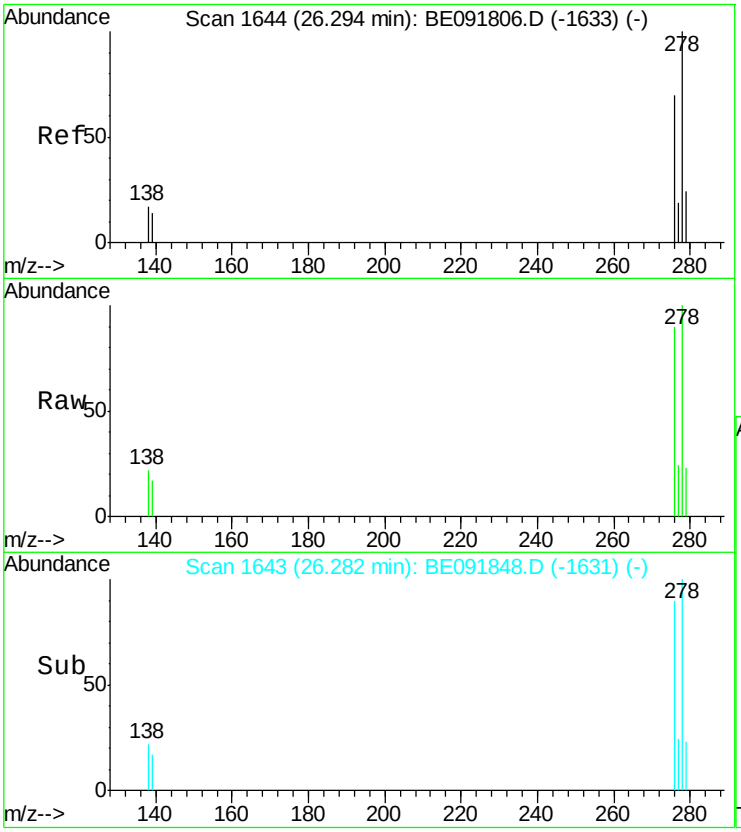


#38
Benzo(a)pyrene
Concen: 4.30 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:252 Resp: 255500

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.2	11.0	16.4#

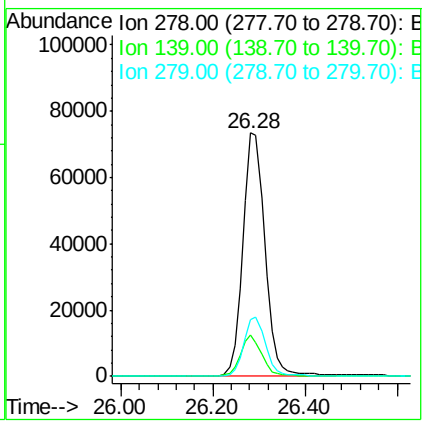




#39
Dibenzo(a,h)anthracene
Concen: 4.21 ng
RT: 26.28 min Scan# 1643
Delta R.T. -0.06 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

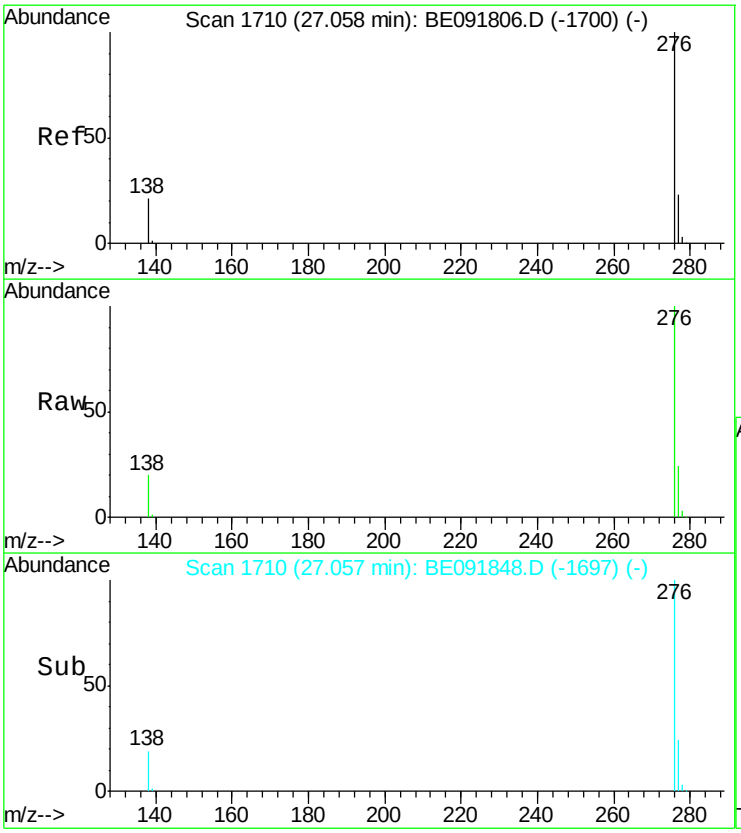
Tgt Ion:278 Resp: 244059

Ion	Ratio	Lower	Upper
278	100		
139	16.8	16.0	24.0
279	23.1	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
PB90774BS

Manual Integrations APPROVED
umangi
5/24/2016 7:35:29 PM



#40
Benzo(g,h,i)perylene
Concen: 4.12 ng
RT: 27.06 min Scan# 1710
Delta R.T. -0.05 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:276 Resp: 246587

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	19.6	20.4	30.6#