Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050916\
Data File : BE091755.D
Acq On : 9 May 2016 13:21
Operator : UM/SJ
Sample : PB90335BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB90335BSD

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Quant Time: May 10 01:07:39 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	37949	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	185315	5.00	ng		0.00
13) Acenaphthene-d10	14.40	164	114814	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	306164	5.00	ng		0.00
26) Chrysene-d12	21.31	240	285487	5.00	ng		0.00
35) Perylene-d12	23.75	264	284659	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	57908	6.21	ng		0.00
5) Phenol-d6	6.95	99	84814	6.86	ng		0.00
8) Nitrobenzene-d5	8.95	82	38058	3.18	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	26505	6.24	ng		0.00
15) 2-Fluorobiphenyl	13.04	172	114965	3.54	ng		0.00
29) Terphenyl-d14	19.76	244	184642	4.15	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	13896	3.11	ng		92
3) n-Nitrosodimethylamine	3.63	42	21827	3.17	ng	#	94
6) bis(2-Chloroethyl)ether	7.21	93	36345	3.34	ng	#	76
9) Nitrobenzene	8.99	77	40954	3.27	ng		95
10) Naphthalene	10.61	128	129937	3.47	ng		97
11) Hexachlorobutadiene	10.90	225	21230	3.84	ng		98
12) 2-Methylnaphthalene	12.23	142	93768	3.90	ng		98
16) Acenaphthylene	14.12	152	172094	3.90	ng	#	86
17) Acenaphthene	14.47	154	105053	3.67	ng		95
18) Fluorene	15.46	166	132587	3.72	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	37829	3.43	ng		93
21) Hexachlorobenzene	16.45	284	39012m	3.54	ng		
22) Pentachlorophenol	16.79	266	37150	6.26	ng		88
23) Phenanthrene	17.18	178	237154	3.41	ng		99
24) Anthracene	17.28	178	228365	3.64	ng		99
25) Fluoranthene	19.19	202	271345	3.73	ng	#	96
27) Benzidine	19.38	184	40002	1.88	ng	#	76
28) Pyrene	19.55	202	299603	4.64	ng		99
30) Benzo(a)anthracene	21.29	228	267841	3.84	ng		92
31) 3,3'-Dichlorobenzidine	21.22	252	37590	1.06	ng	#	84
32) Chrysene	21.34	228	305317m	4.21	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	142627	6.75	ng	#	88
34) Indeno(1,2,3-cd)pyrene	26.30	276	284931	4.42	ng		95
36) Benzo(b)fluoranthene	22.99	252	288034	4.32	ng	#	96
37) Benzo(k)fluoranthene	23.05	252	251814m	3.71	ng		
38) Benzo(a)pyrene	23.63	252	254765	4.06	ng	#	96
39) Dibenzo(a,h)anthracene	26.33	278	236907	3.98	ng	#	94
40) Benzo(g,h,i)perylene	27.09	276	242218	4.00	ng	#	94

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

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Data Path : Z:\HPCHEM1\BNA E\DATA\BE050916\
Data File : BE091755.D
Acq On : 9 May 2016 13:21
Operator : UM/SJ
Sample : PB90335BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

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Instrument :
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ClientSampleId :
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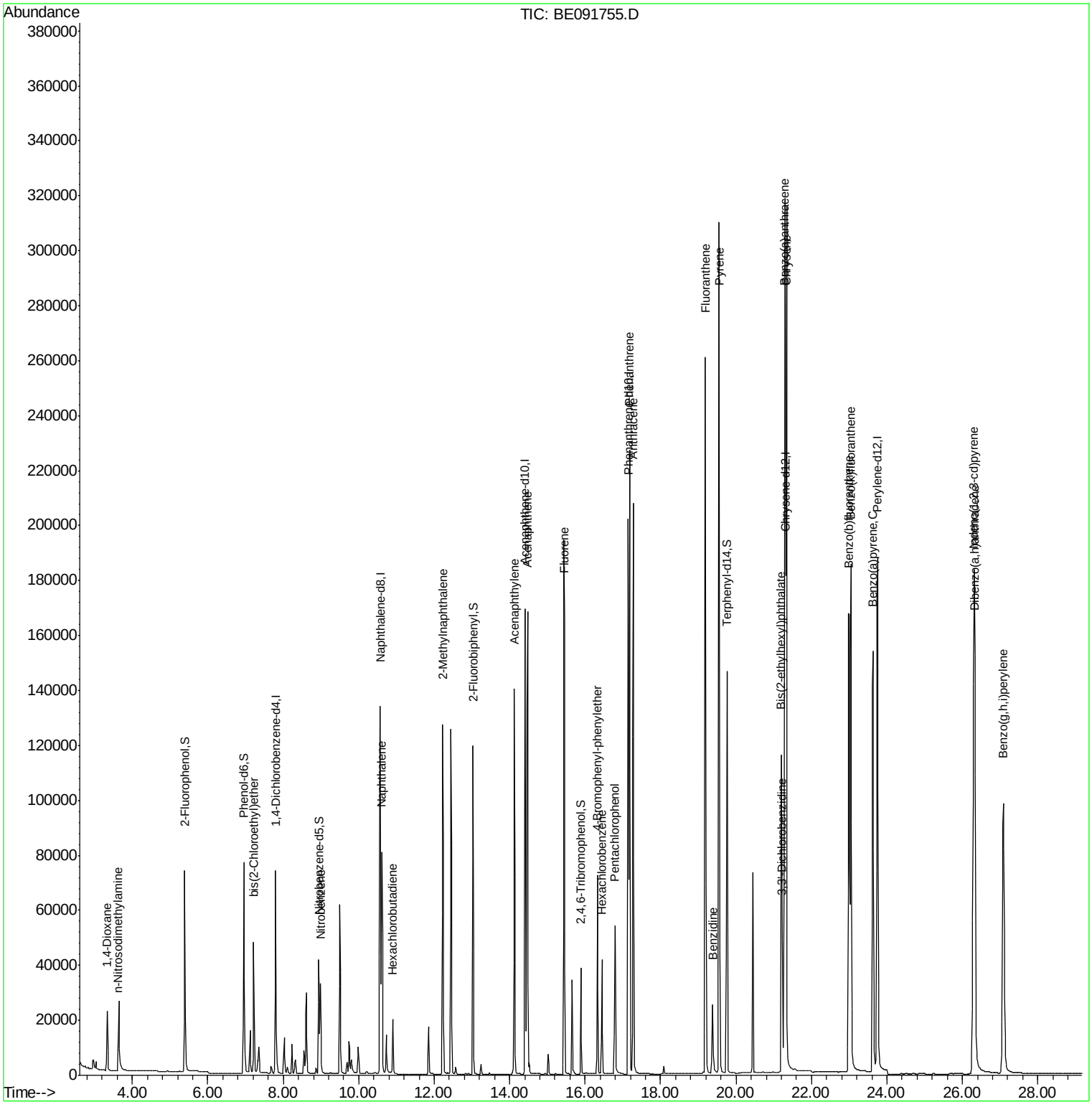
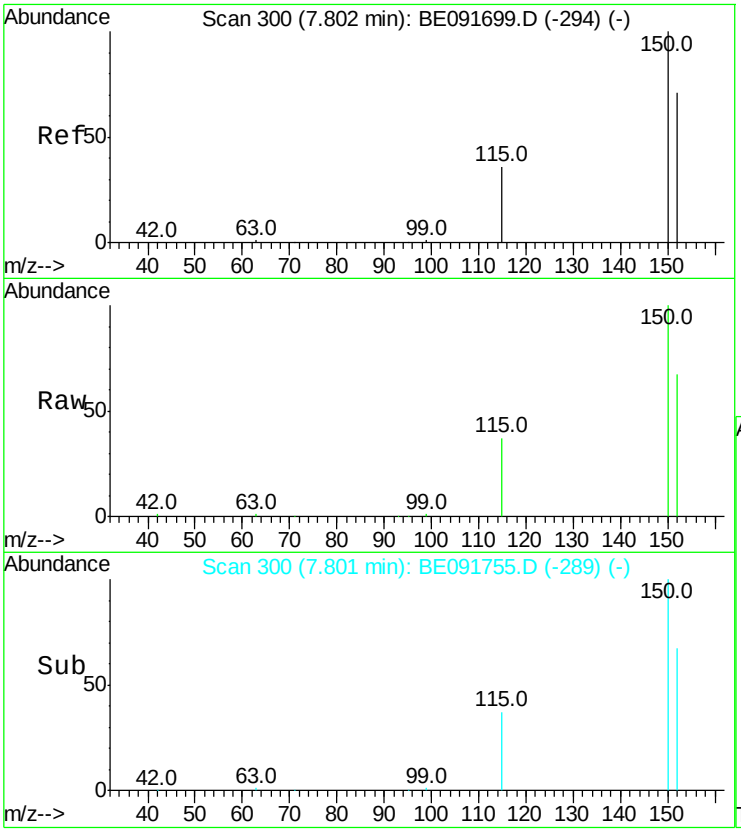
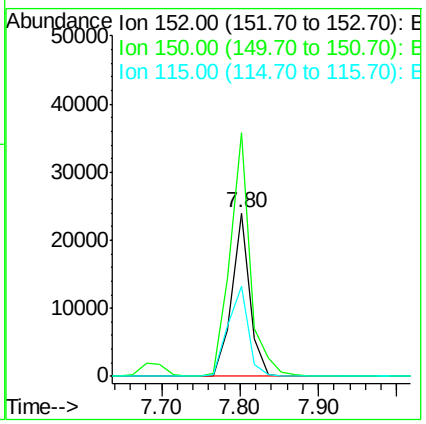




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:152 Resp: 37949

Ion	Ratio	Lower	Upper
152	100		
150	149.4	122.6	183.8
115	55.5	52.8	79.2



Instrument :
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ClientSampleId :
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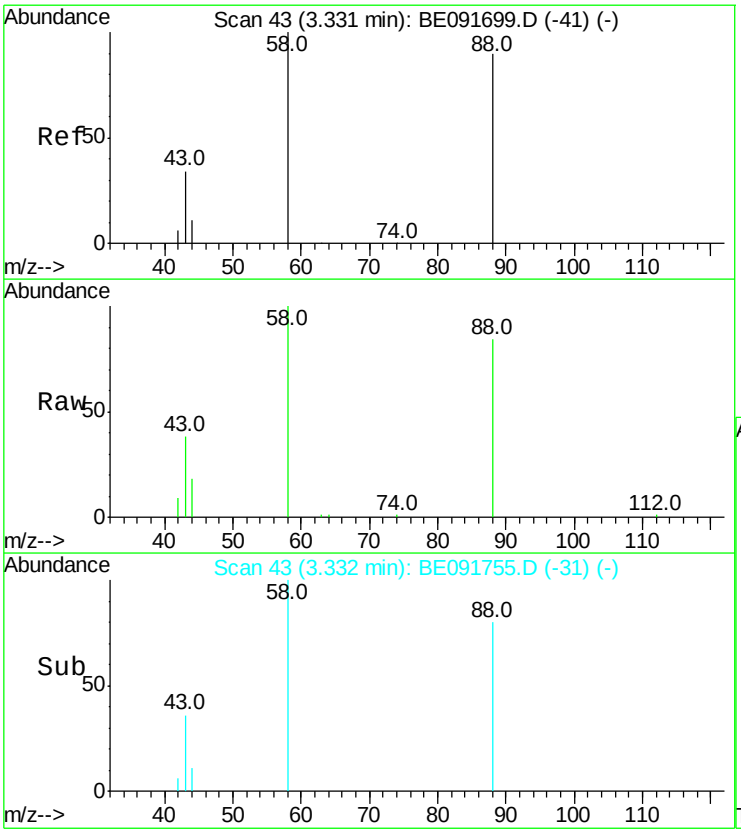
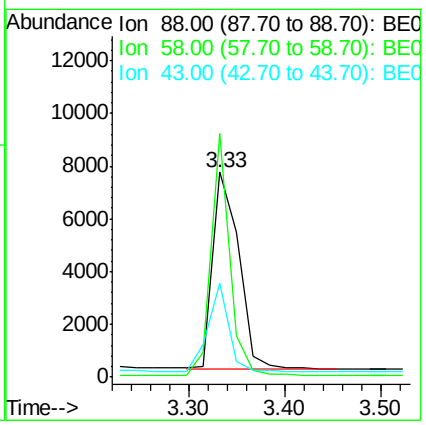
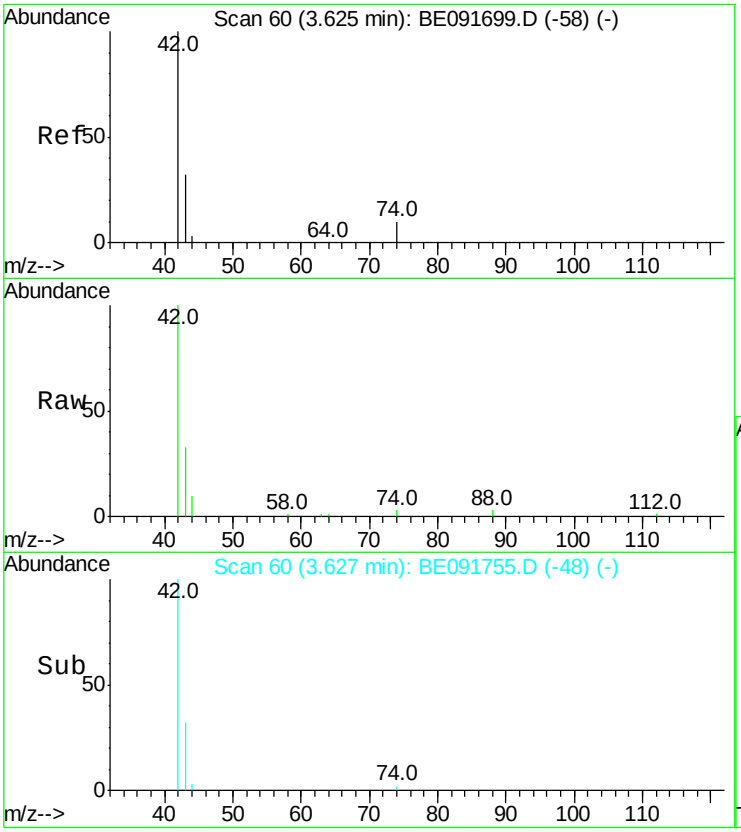


#2
1,4-Dioxane
Concen: 3.11 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion: 88 Resp: 13896

Ion	Ratio	Lower	Upper
88	100		
58	88.8	65.8	98.6
43	36.1	25.3	37.9

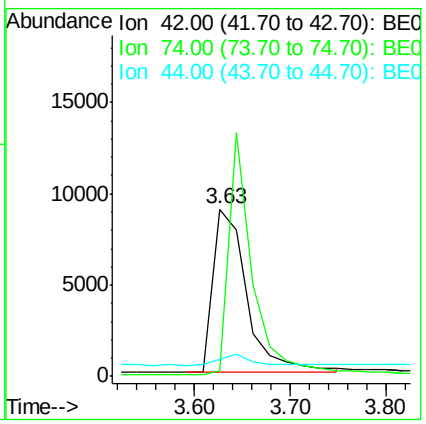




#3
n-Nitrosodimethylamine
Concen: 3.17 ng
RT: 3.63 min Scan# 60
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion: 42 Resp: 21827

Ion	Ratio	Lower	Upper
42	100		
74	103.8	87.9	131.9
44	6.2	6.6	9.8#



Instrument :
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ClientSampleId :
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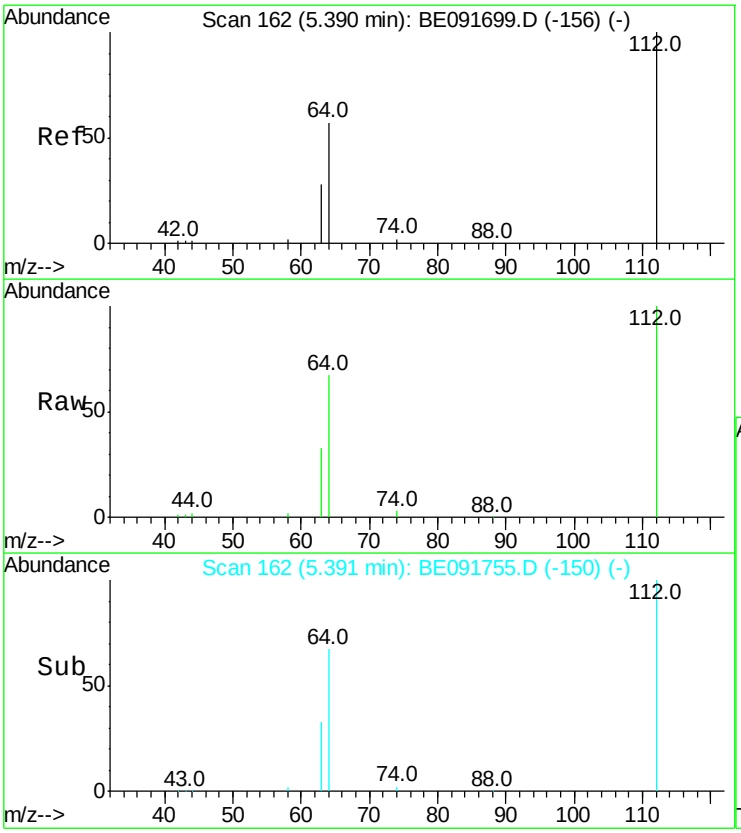
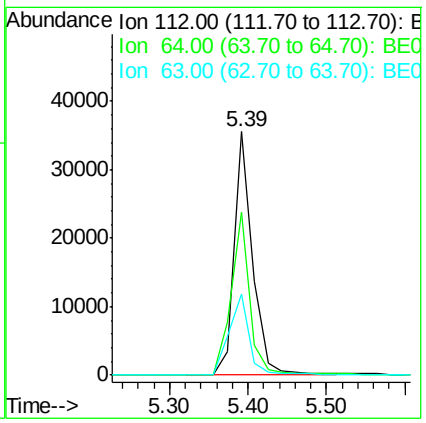
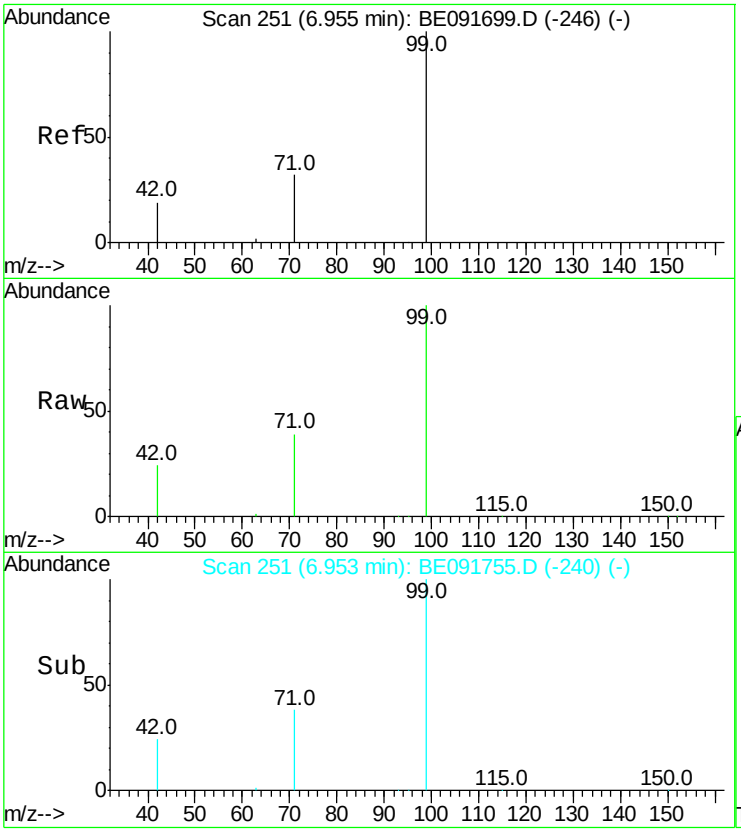


#4
2-Fluorophenol
Concen: 6.21 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:112 Resp: 57908

Ion	Ratio	Lower	Upper
112	100		
64	67.0	30.9	46.3#
63	35.7	16.7	25.1#





#5
Phenol-d6
Concen: 6.86 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion: 99 Resp: 84814

Ion	Ratio	Lower	Upper
99	100		
42	25.0	16.2	24.2#
71	35.3	29.0	43.4

Instrument :
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ClientSampleId :
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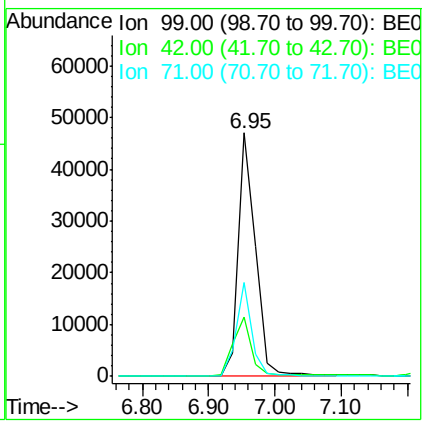
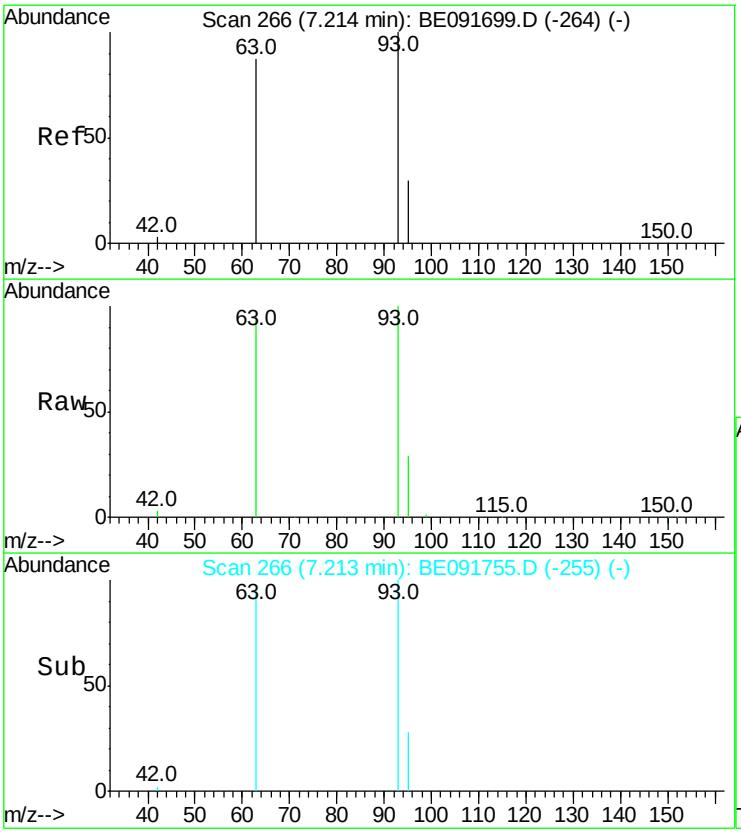
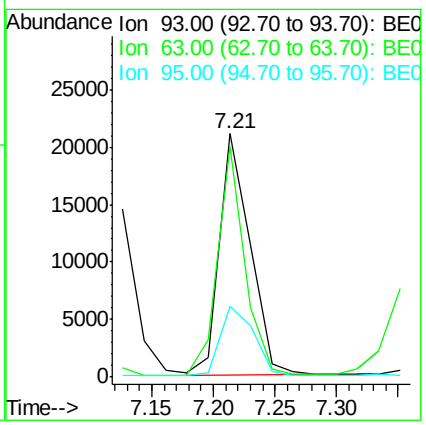


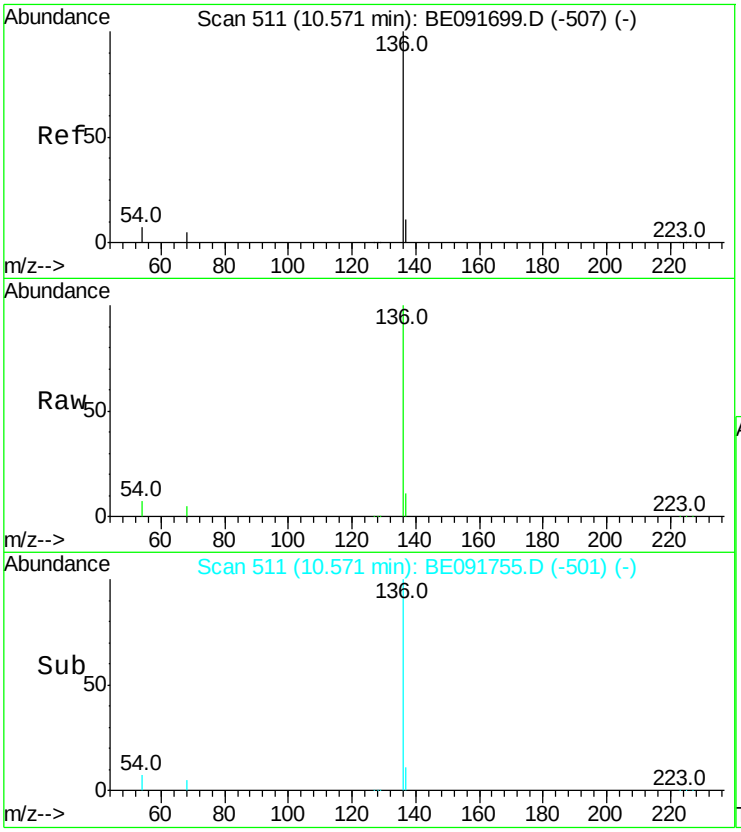


#6
bis(2-Chloroethyl)ether
Concen: 3.34 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion: 93 Resp: 36345

Ion	Ratio	Lower	Upper
93	100		
63	85.3	49.5	74.3#
95	32.4	22.2	33.4

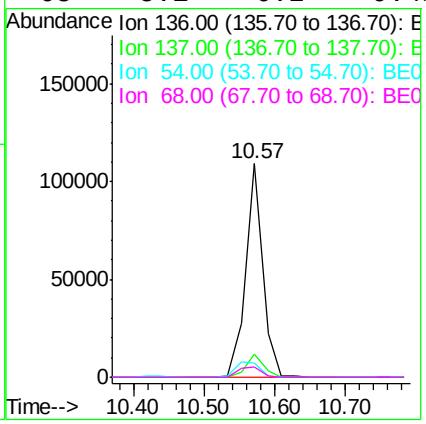




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:136 Resp: 185315

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.6	8.2	12.4#
68	5.1	6.2	9.4#



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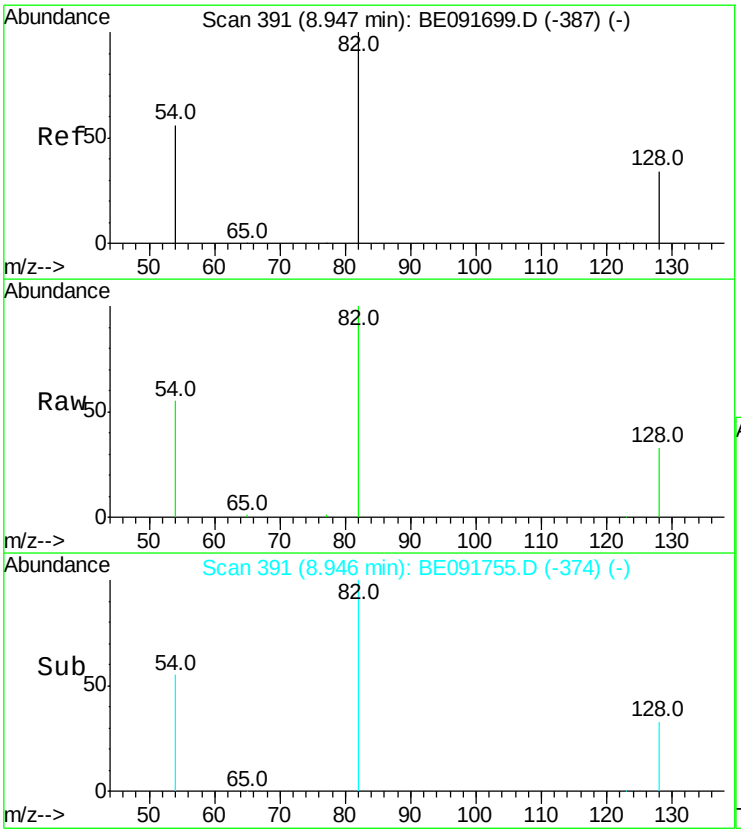
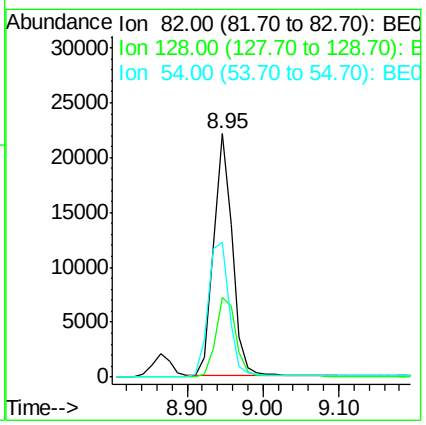
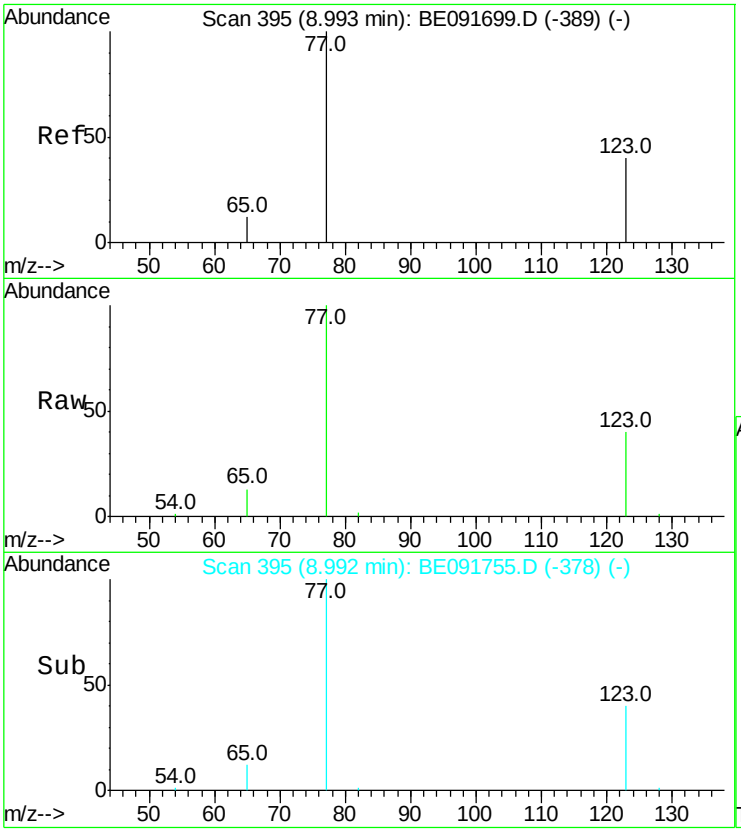


#8
Nitrobenzene-d5
Concen: 3.18 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion: 82 Resp: 38058

Ion	Ratio	Lower	Upper
82	100		
128	32.8	25.4	38.0
54	55.5	48.4	72.6

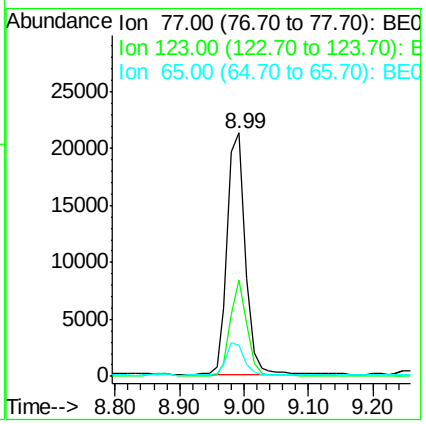




#9
Nitrobenzene
Concen: 3.27 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion: 77 Resp: 40954

Ion	Ratio	Lower	Upper
77	100		
123	36.4	26.9	40.3
65	14.0	9.4	14.2



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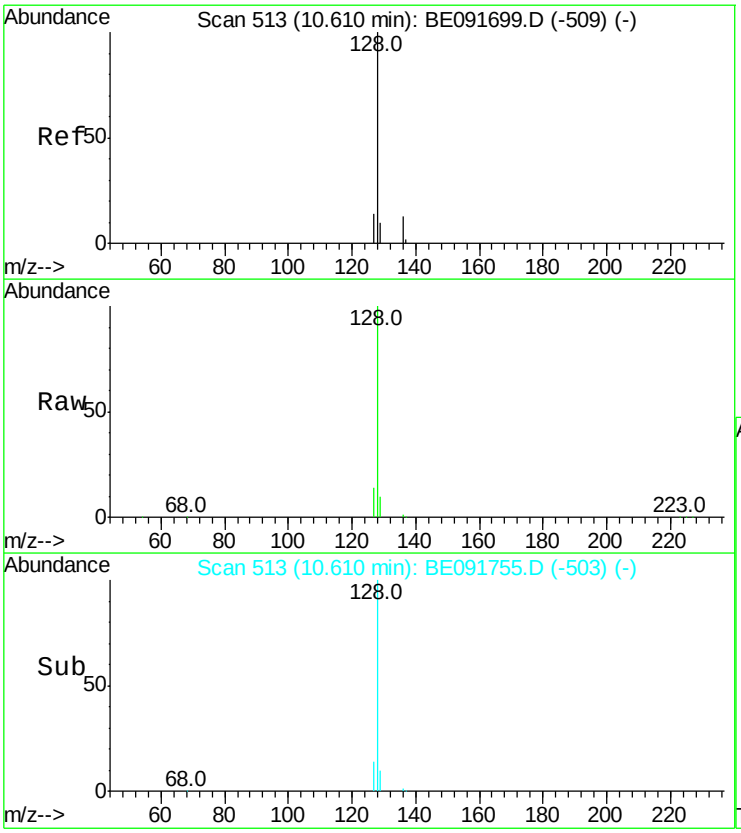
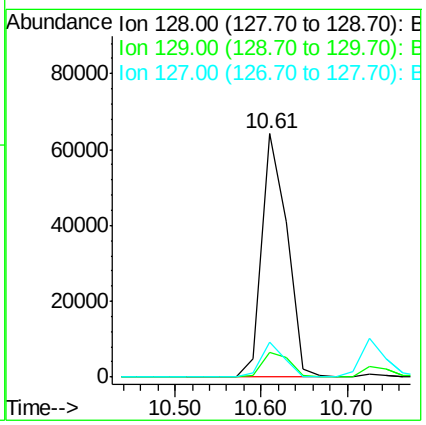
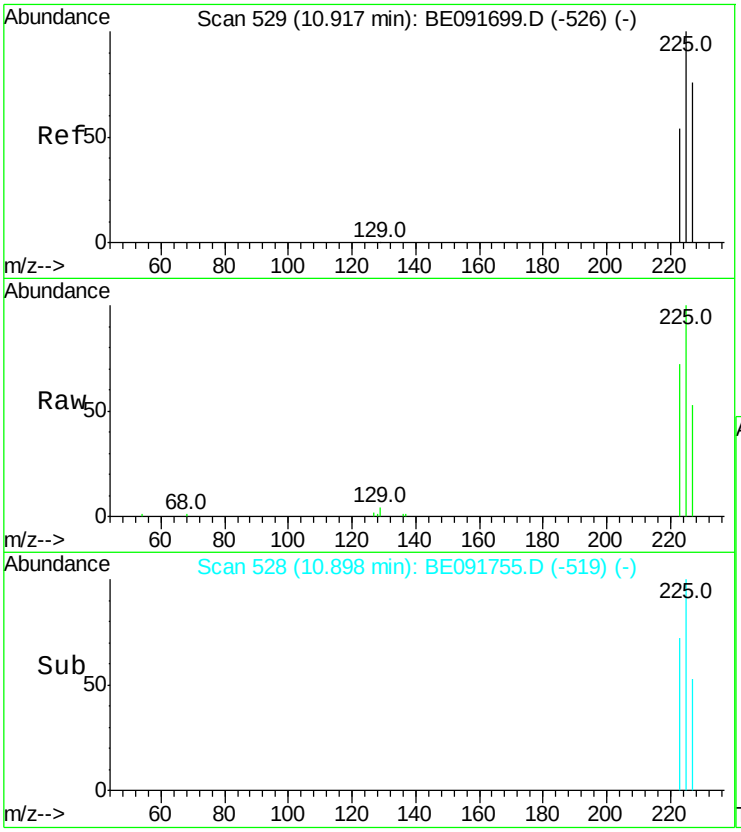


#10
Naphthalene
Concen: 3.47 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:128 Resp: 129937

Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.3	13.9
127	14.2	10.7	16.1

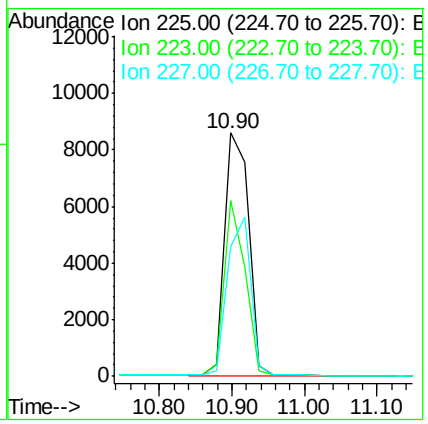




#11
Hexachlorobutadiene
Concen: 3.84 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:225 Resp: 21230

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.0	73.6
227	63.9	50.3	75.5



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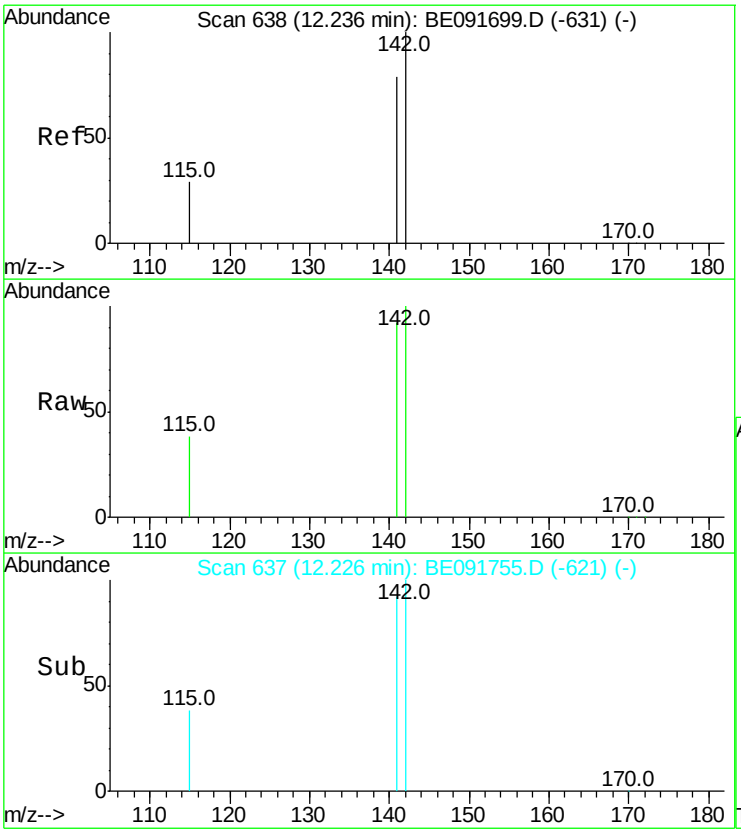
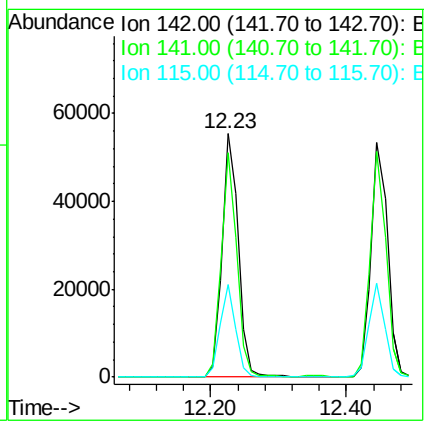
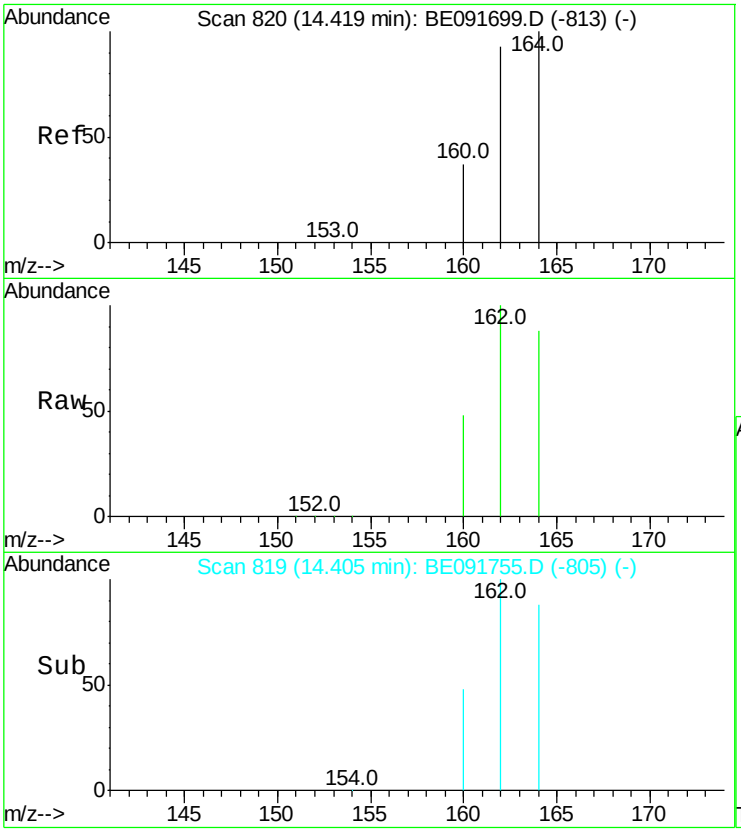


#12
2-Methylnaphthalene
Concen: 3.90 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:142 Resp: 93768

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.4	107.0
115	38.1	30.3	45.5

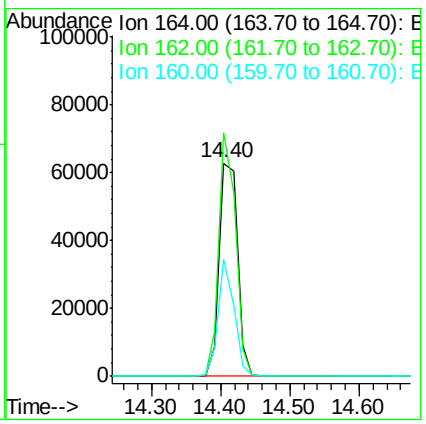




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:164 Resp: 114814

Ion	Ratio	Lower	Upper
164	100		
162	114.1	85.3	127.9
160	54.8	46.2	69.2



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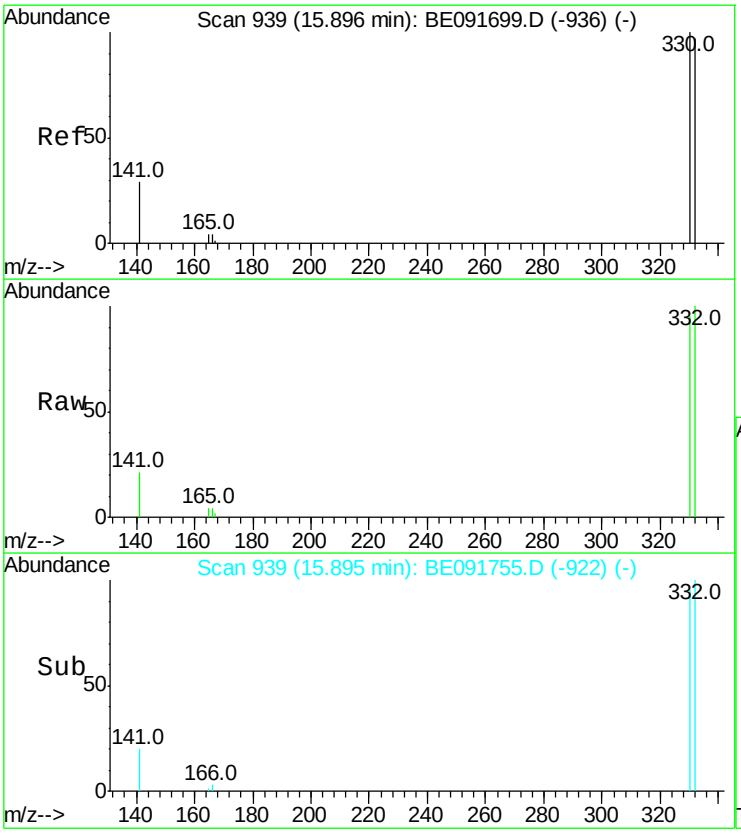
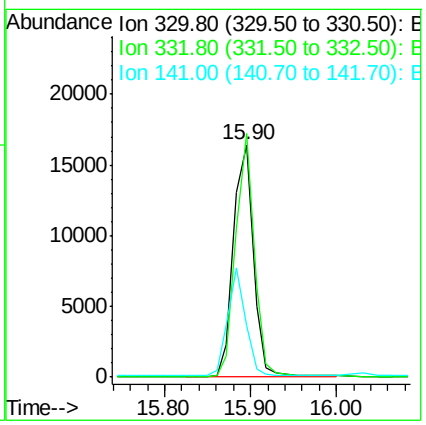
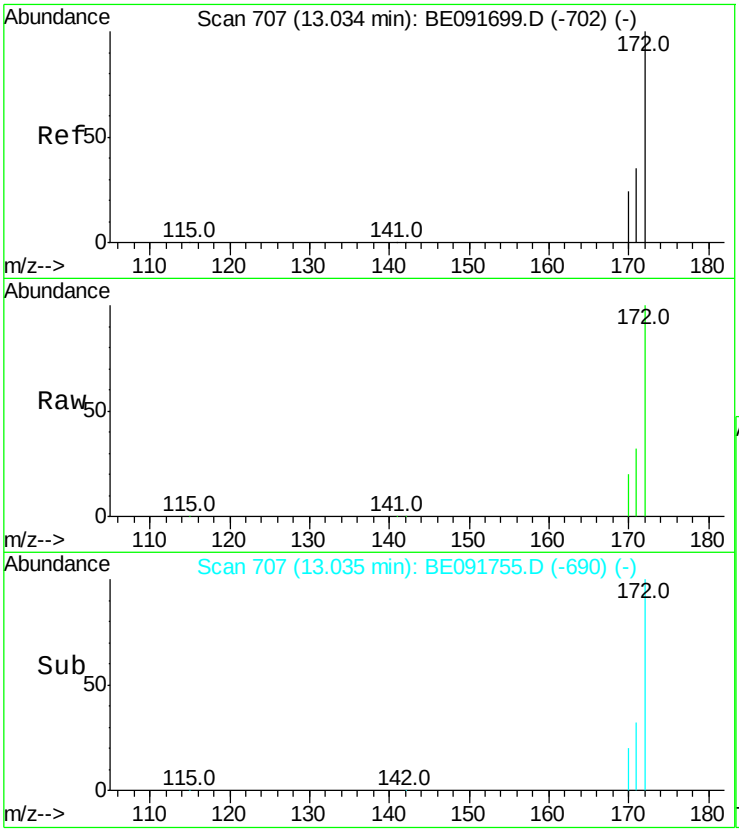


#14
2,4,6-Tribromophenol
Concen: 6.24 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:330 Resp: 26505

Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.1	118.7
141	42.3	125.4	188.0#

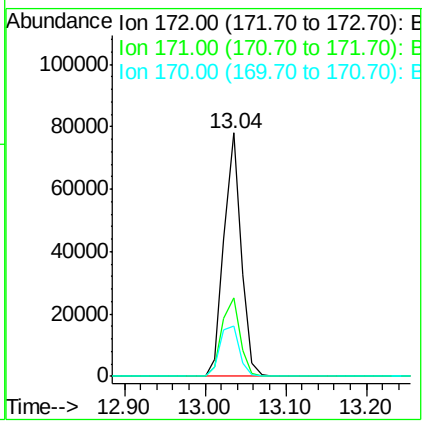




#15
2-Fluorobiphenyl
Concen: 3.54 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:172 Resp: 114965

Ion	Ratio	Lower	Upper
172	100		
171	32.5	28.8	43.2
170	20.5	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
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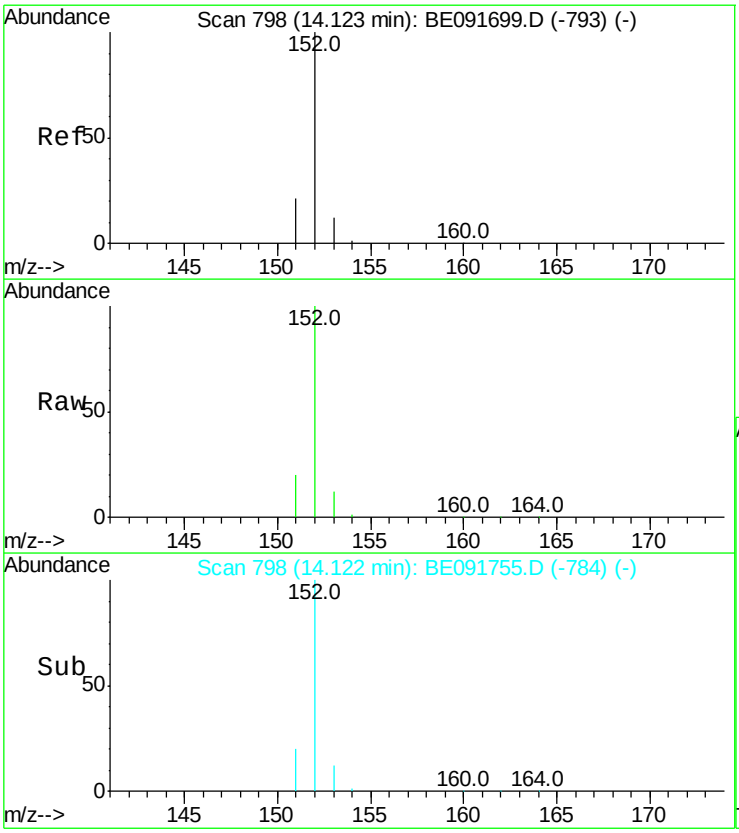
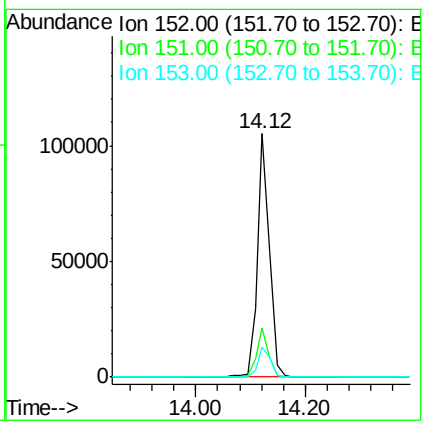
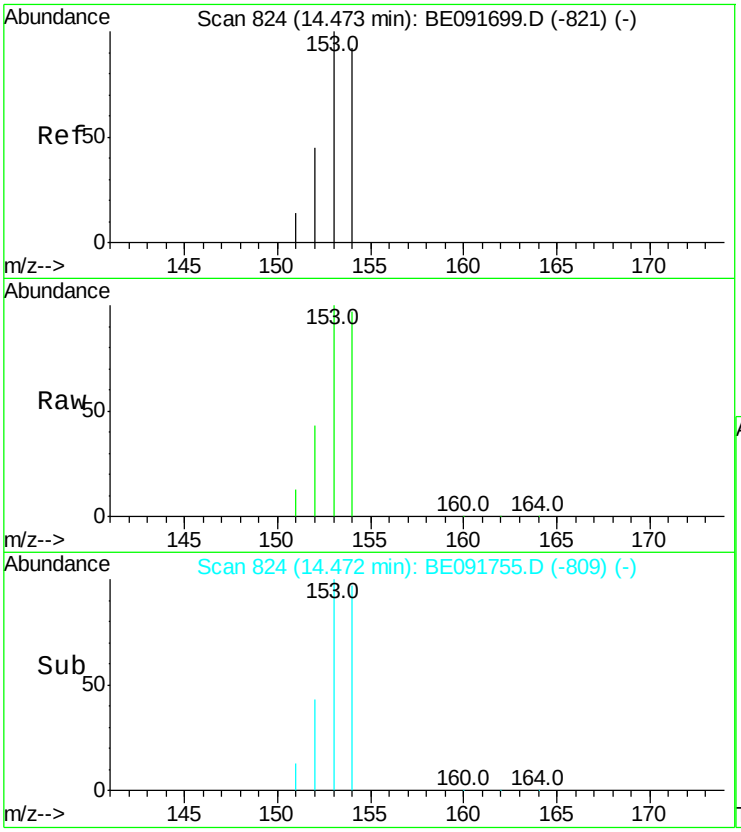


#16
Acenaphthylene
Concen: 3.90 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:152 Resp: 172094

Ion	Ratio	Lower	Upper
152	100		
151	19.9	3.9	5.9#
153	13.5	10.3	15.5

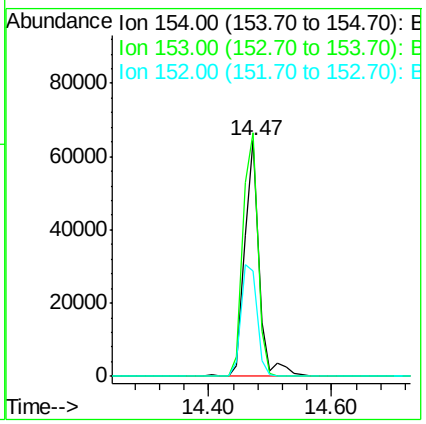




#17
Acenaphthene
Concen: 3.67 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:154 Resp: 105053

Ion	Ratio	Lower	Upper
154	100		
153	106.0	80.0	120.0
152	52.1	40.0	60.0



Instrument :
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ClientSampleId :
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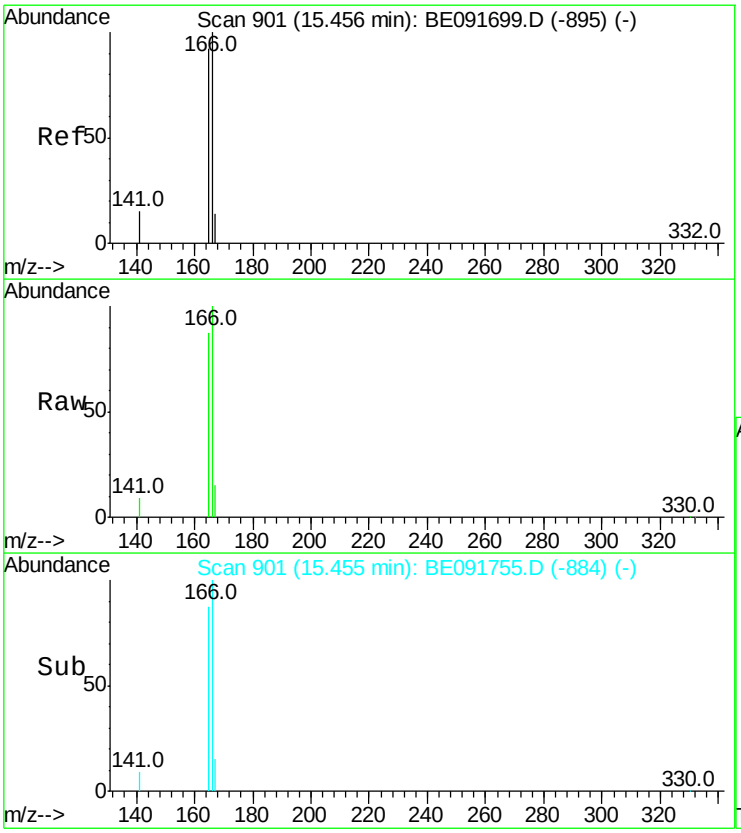
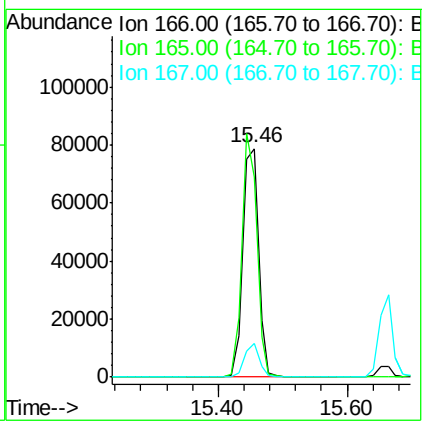
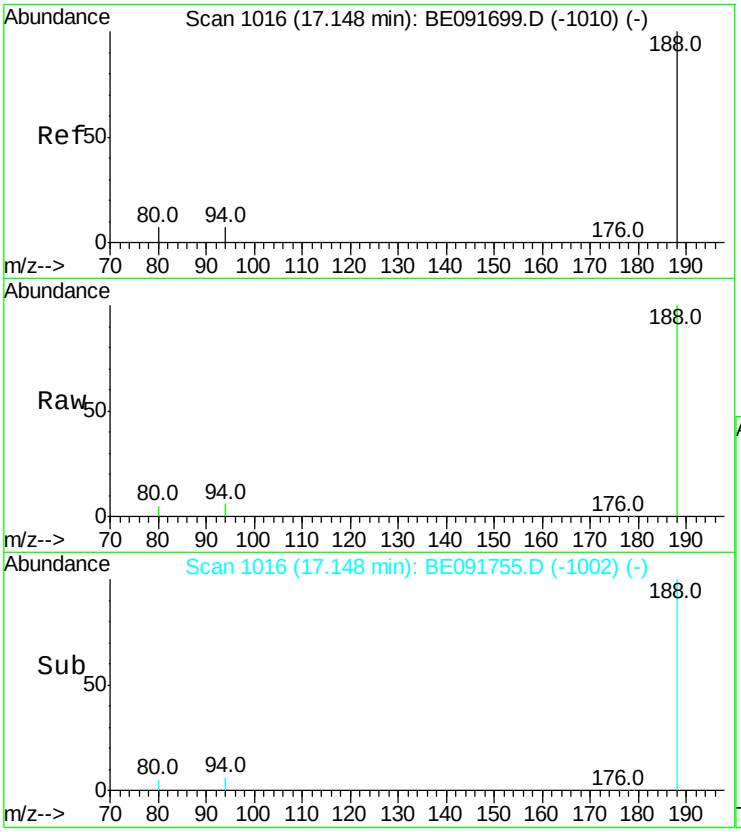


#18
Fluorene
Concen: 3.72 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:166 Resp: 132587

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.8	121.2
167	13.5	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Instrument :
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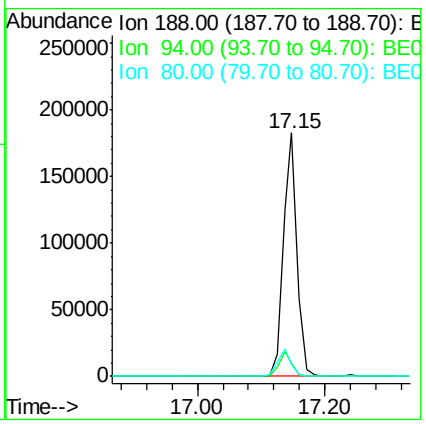
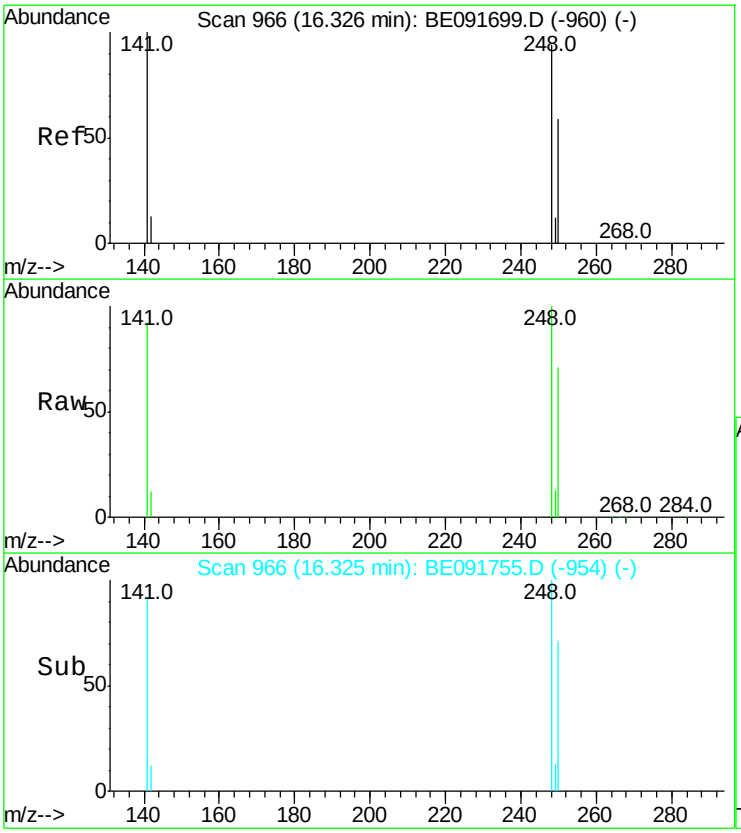
Tgt Ion:188 Resp: 306164

Ion	Ratio	Lower	Upper
188	100		
94	5.6	8.7	13.1#
80	4.8	9.4	14.0#

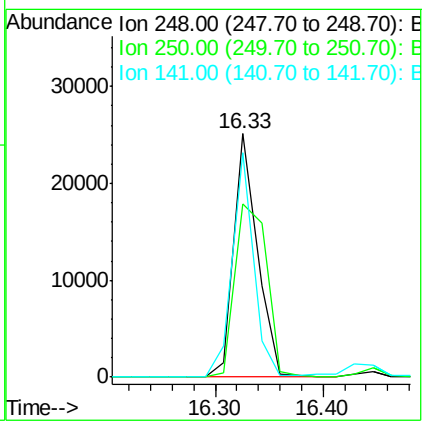


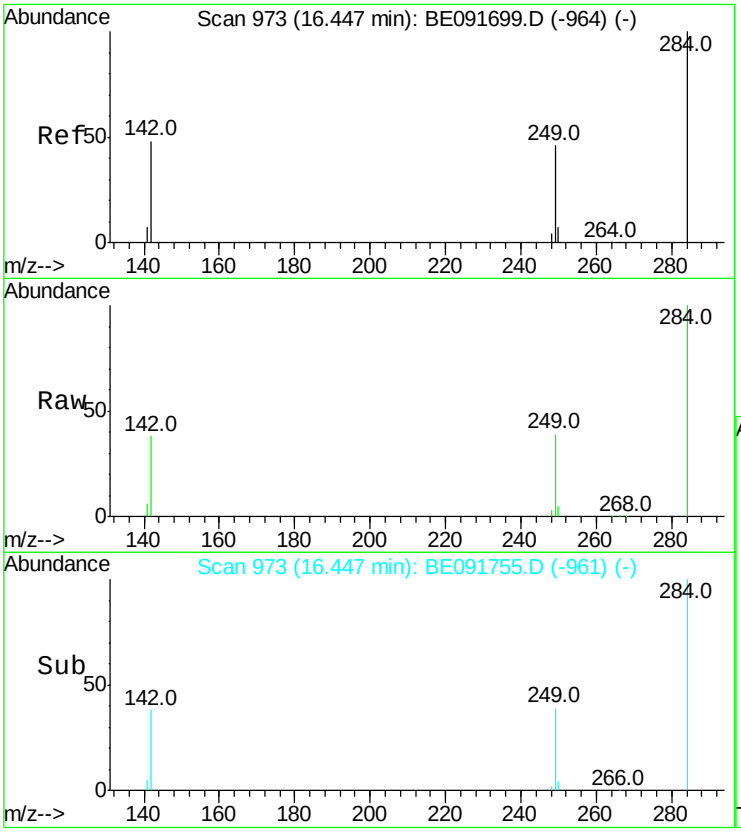


#20
4-Bromophenyl-phenylether
Concen: 3.43 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:248 Resp: 37829

Ion	Ratio	Lower	Upper
248	100		
250	95.4	80.5	120.7
141	82.4	72.0	108.0

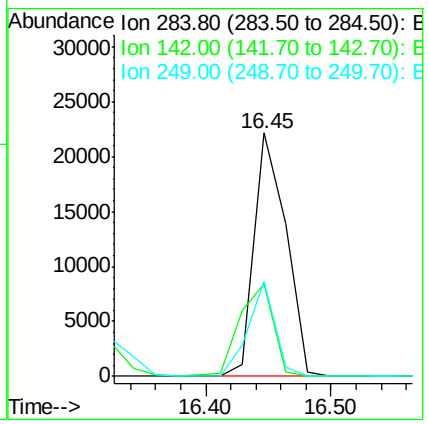




#21
Hexachlorobenzene
Concen: 3.54 ng m
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:284 Resp: 39012

Ion	Ratio	Lower	Upper
284	100		
142	39.4	32.2	48.2
249	32.5	25.4	38.2



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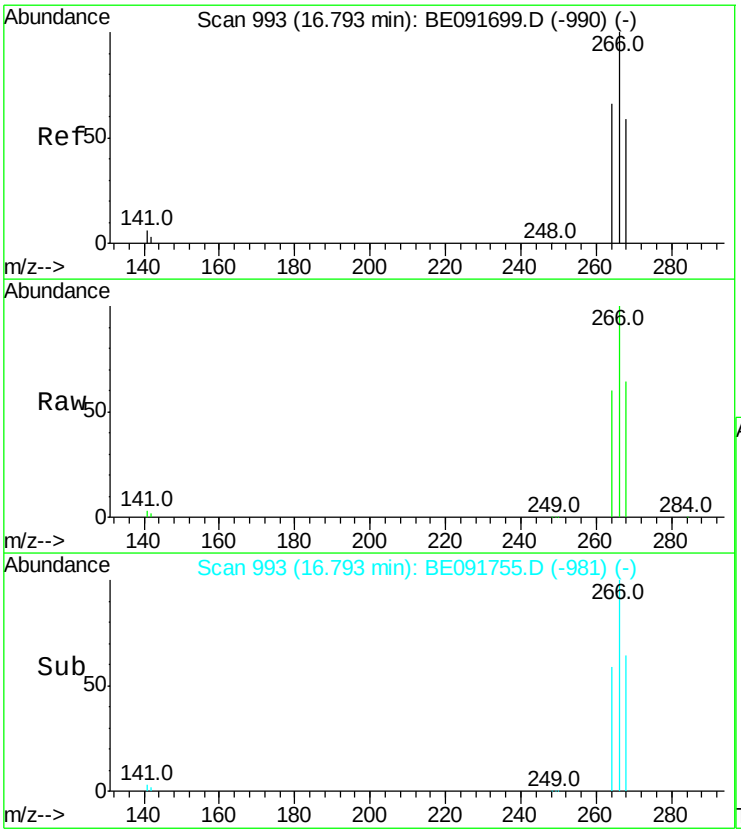
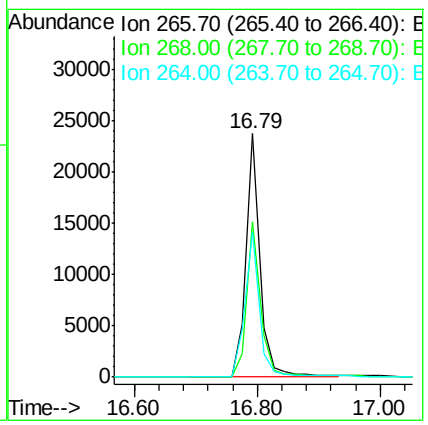
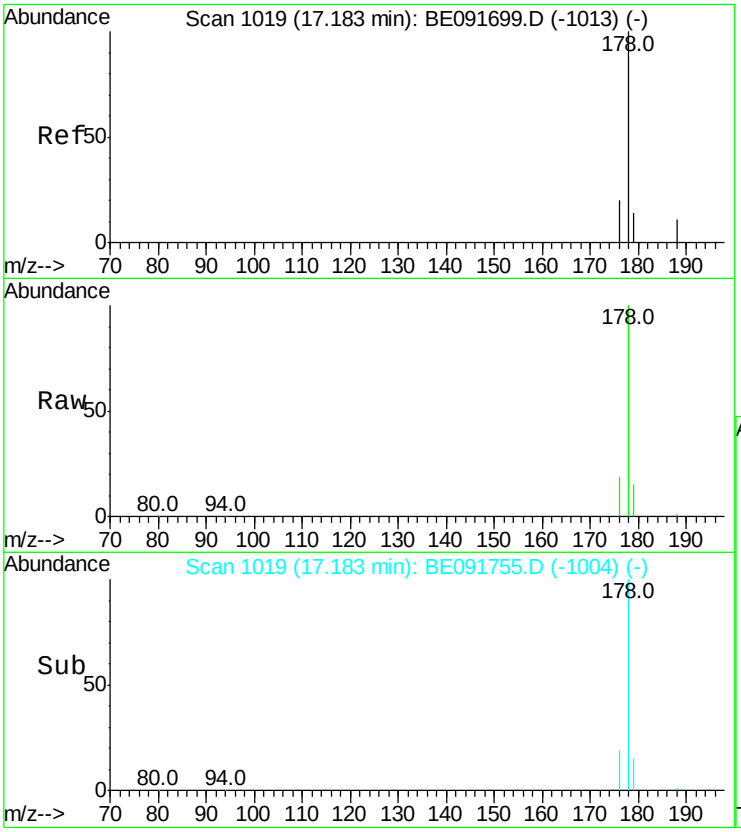


#22
Pentachlorophenol
Concen: 6.26 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:266 Resp: 37150

Ion	Ratio	Lower	Upper
266	100		
268	63.9	58.2	87.2
264	59.5	56.2	84.4

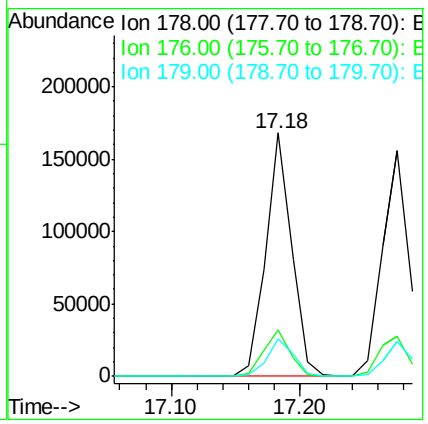




#23
Phenanthrene
Concen: 3.41 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:178 Resp: 237154

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.5	12.6	18.8



Instrument :
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ClientSampleId :
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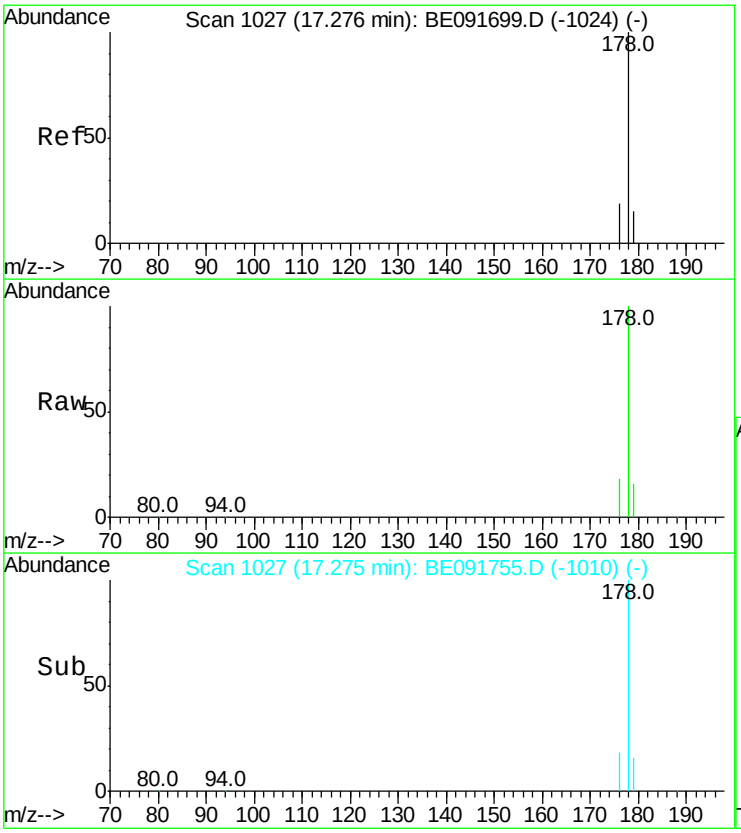
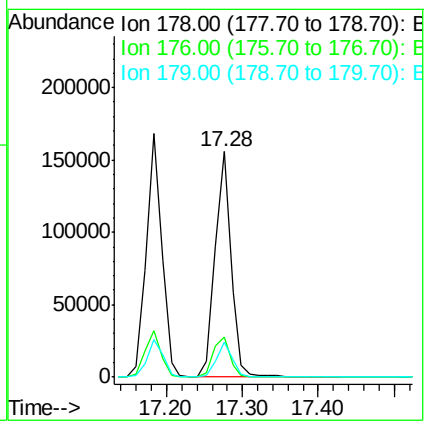
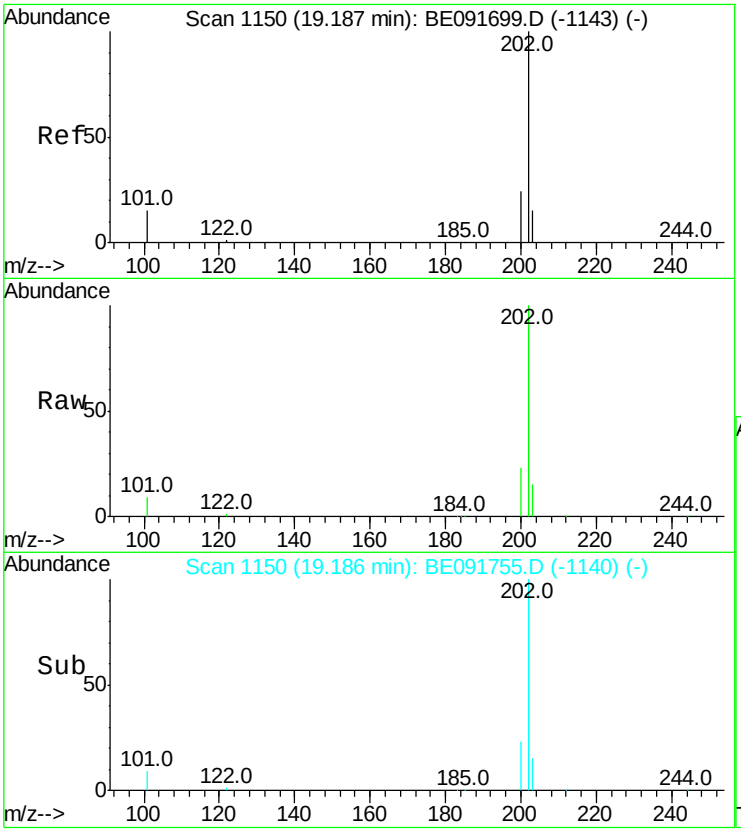


#24
Anthracene
Concen: 3.64 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:178 Resp: 228365

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	15.2	11.8	17.6





#25
Fluoranthene
Concen: 3.73 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:202 Resp: 271345

Ion	Ratio	Lower	Upper
202	100		
101	10.6	11.0	16.6#
203	17.0	13.9	20.9

Instrument :
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ClientSampleId :
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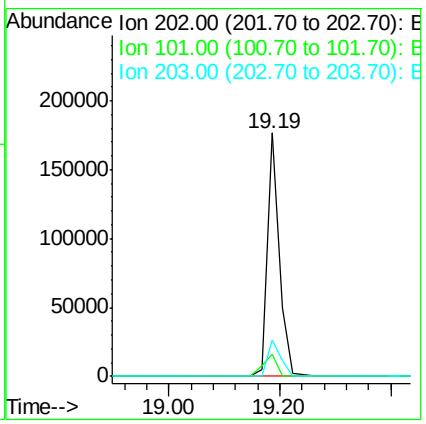
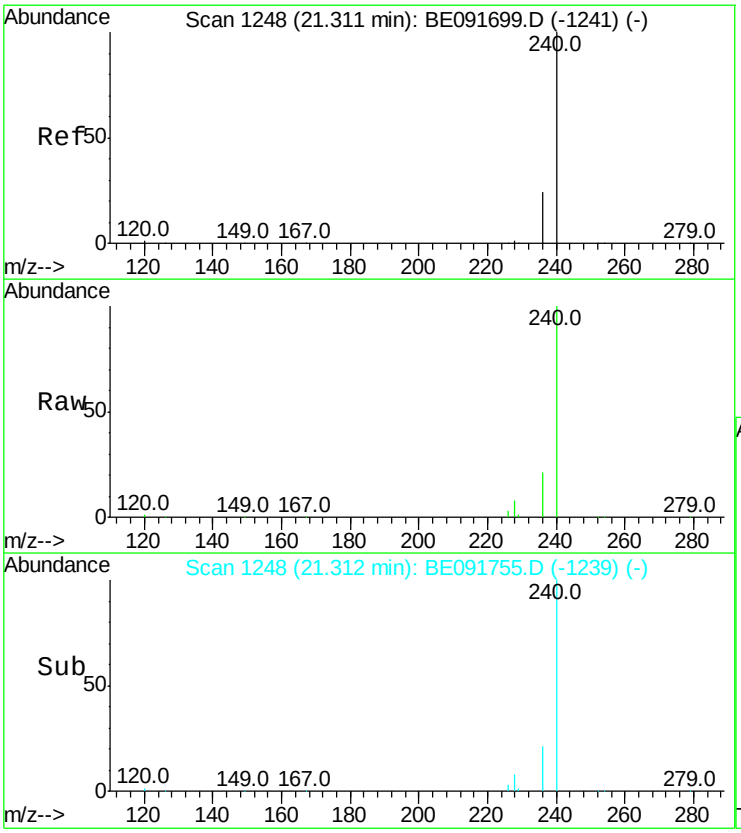
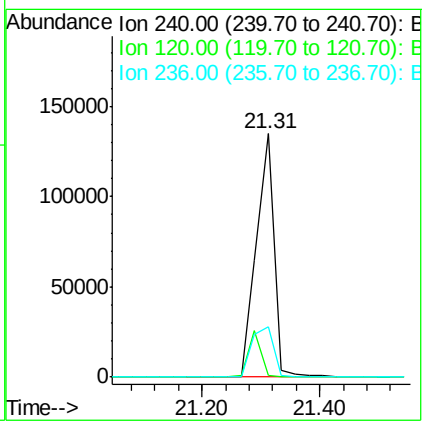


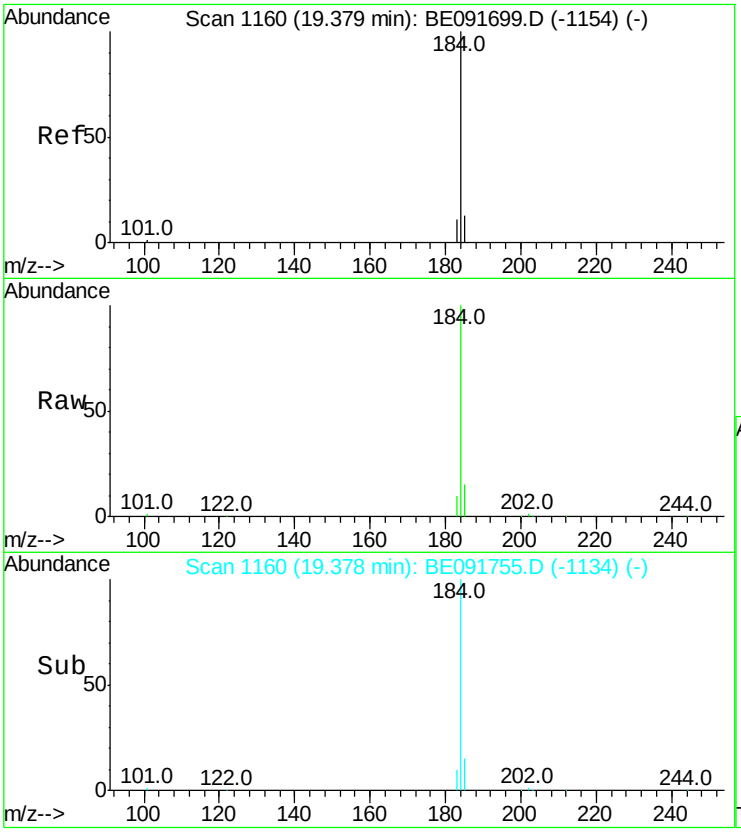


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:240 Resp: 285487

Ion	Ratio	Lower	Upper
240	100		
120	0.8	11.0	16.4#
236	20.7	21.7	32.5#

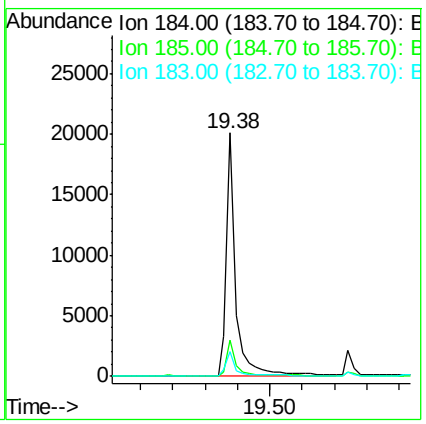




#27
Benzidine
Concen: 1.88 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:184 Resp: 40002

Ion	Ratio	Lower	Upper
184	100		
185	14.8	22.3	33.5#
183	10.4	16.4	24.6#



Instrument :
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ClientSampleId :
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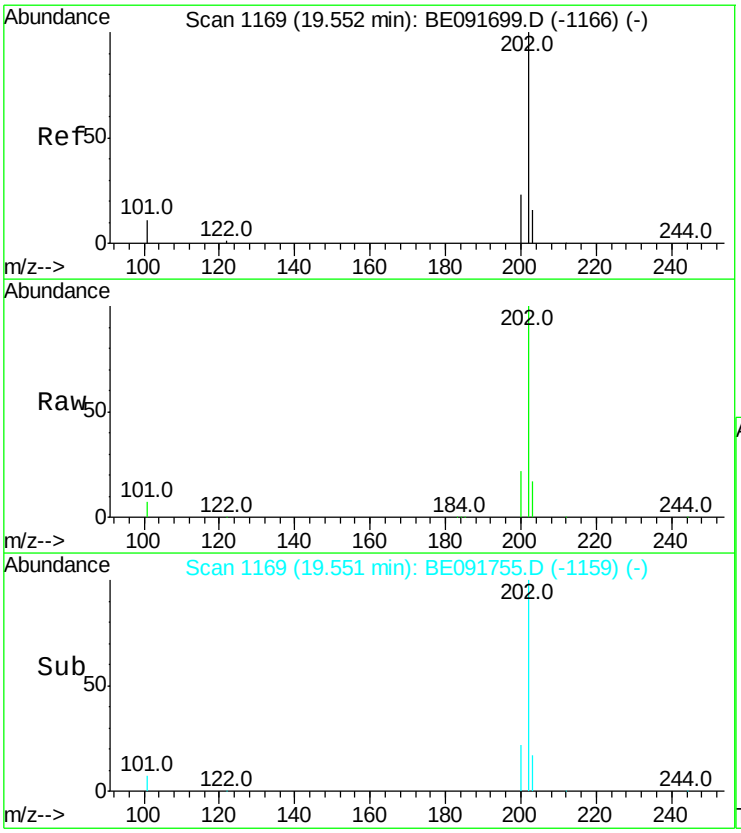
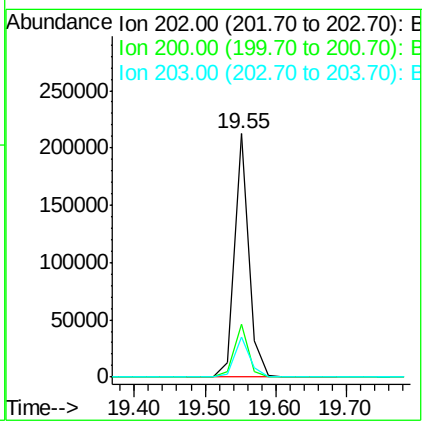
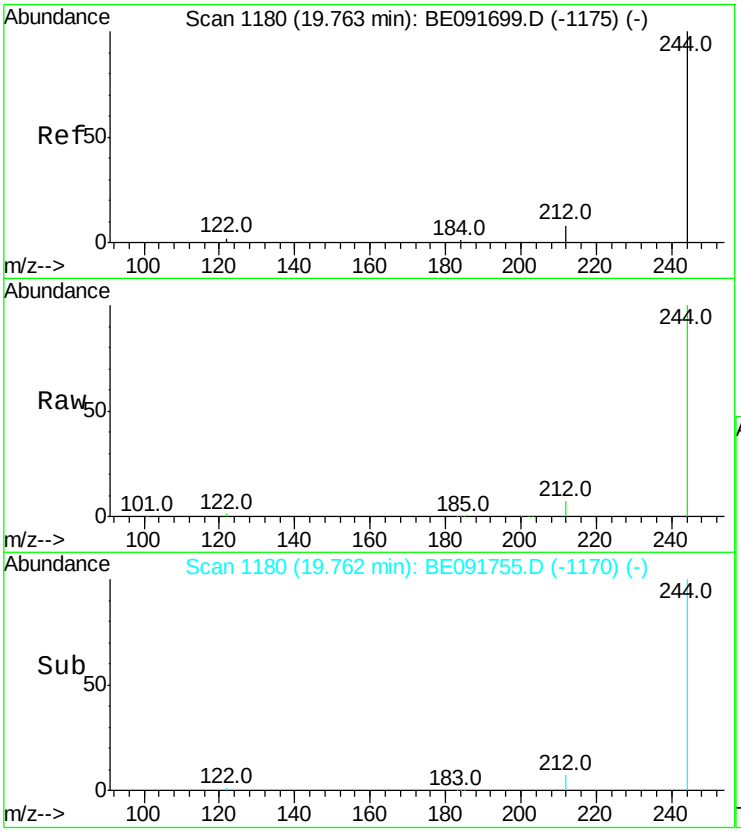


#28
Pyrene
Concen: 4.64 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:202 Resp: 299603

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.9	14.0	21.0

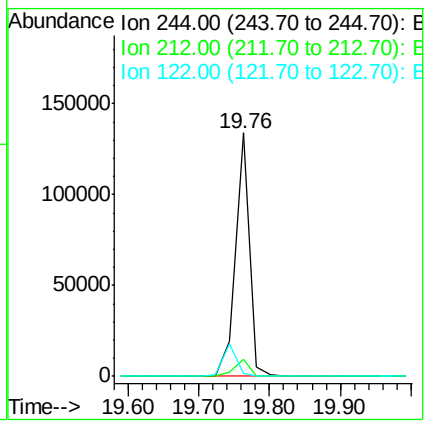




#29
Terphenyl-d14
Concen: 4.15 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:244 Resp: 184642

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.9	10.3
122	1.2	11.0	16.4#



Instrument :
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ClientSampleId :
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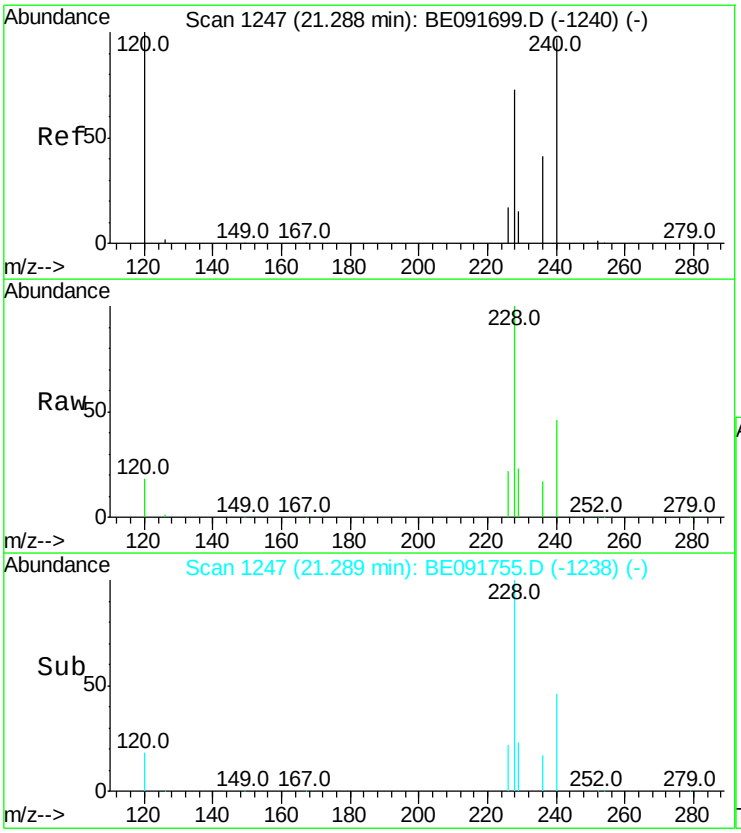
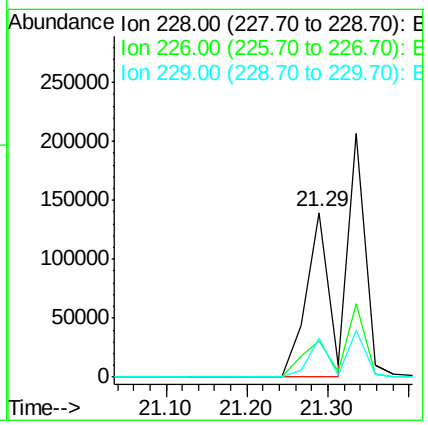
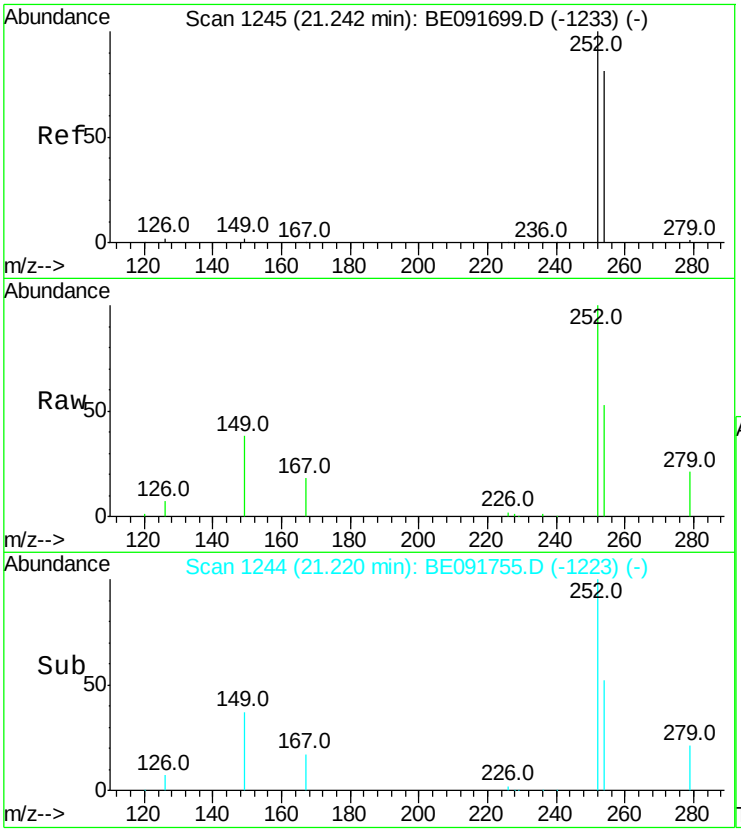


#30
Benzo(a)anthracene
Concen: 3.84 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:228 Resp: 267841

Ion	Ratio	Lower	Upper
228	100		
226	21.9	21.0	31.4
229	23.3	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 1.06 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:252 Resp: 37590

Ion	Ratio	Lower	Upper
252	100		
254	52.6	51.1	76.7
126	7.3	12.6	18.8#

Instrument :
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ClientSampleId :
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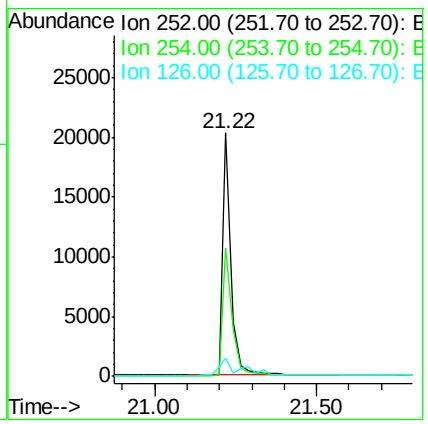
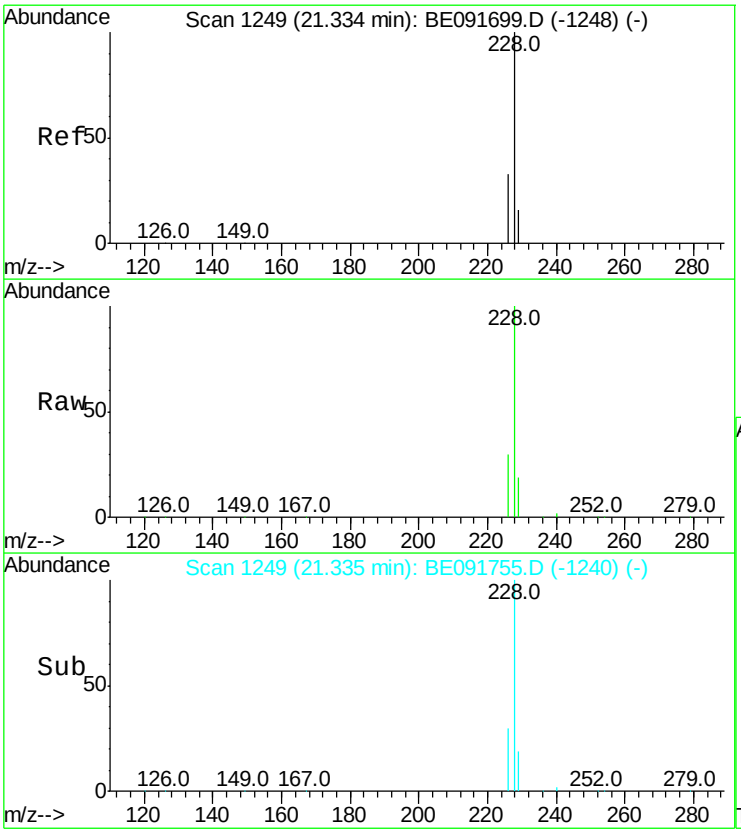
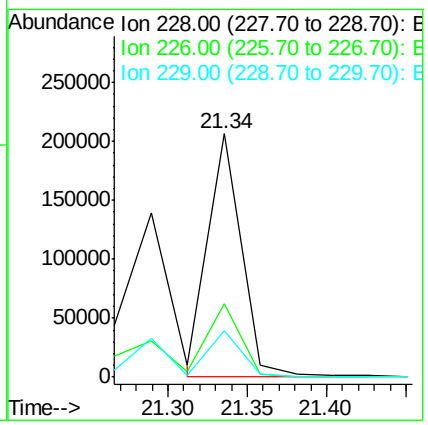


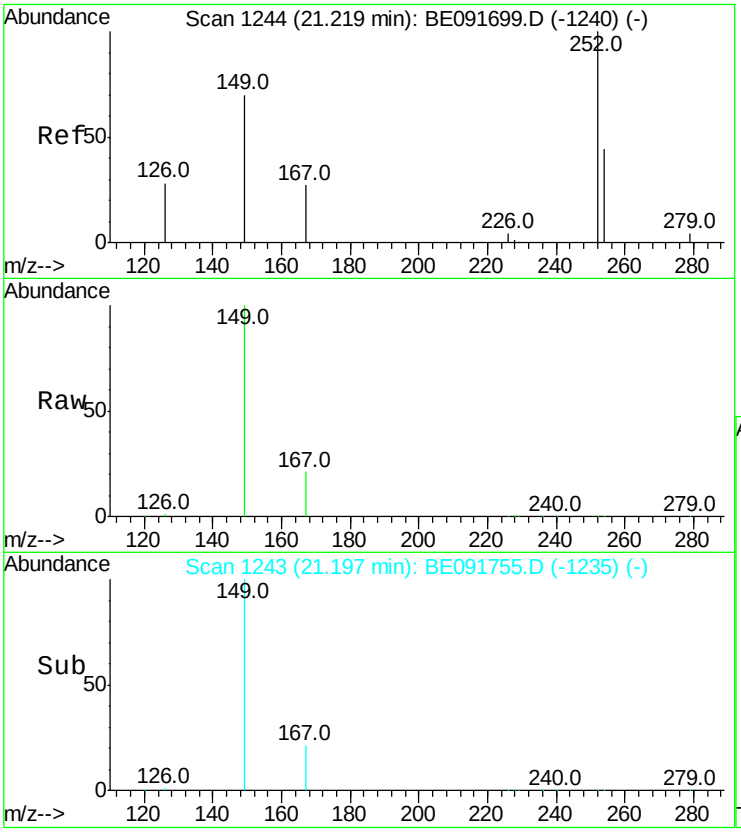


#32
Chrysene
Concen: 4.21 ng m
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:228 Resp: 305317

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.3	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 6.75 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:149 Resp: 142627

Ion	Ratio	Lower	Upper
149	100		
167	23.4	19.5	29.3
279	0.0	10.0	15.0#

Instrument :
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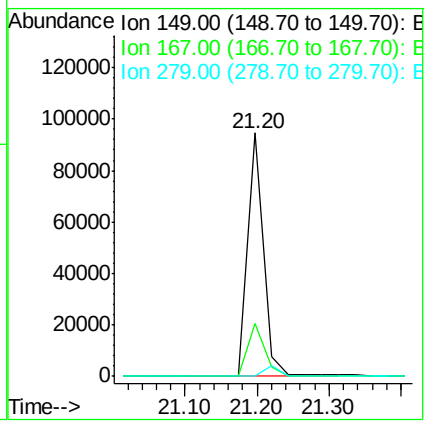
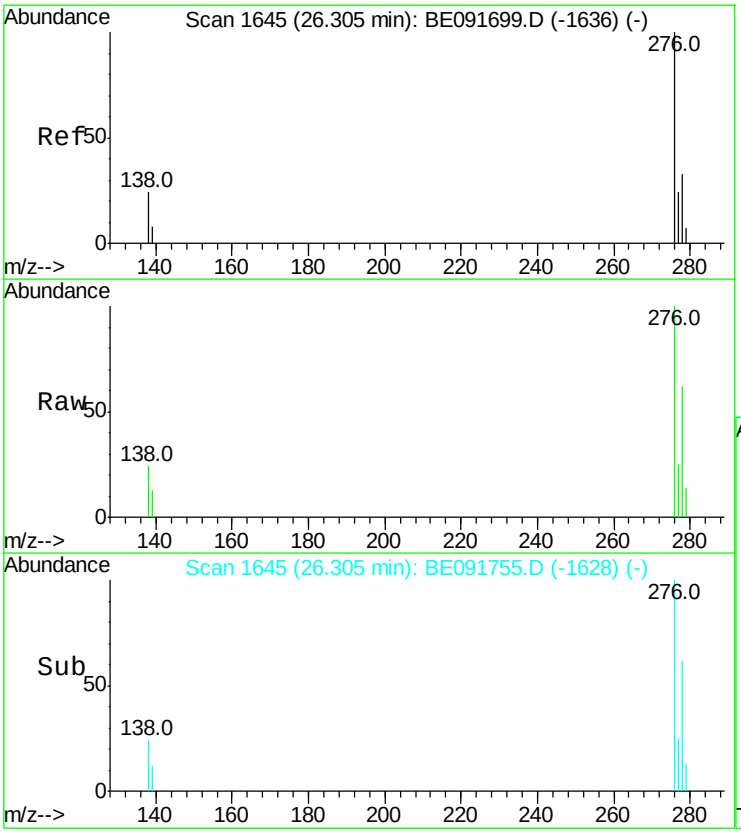
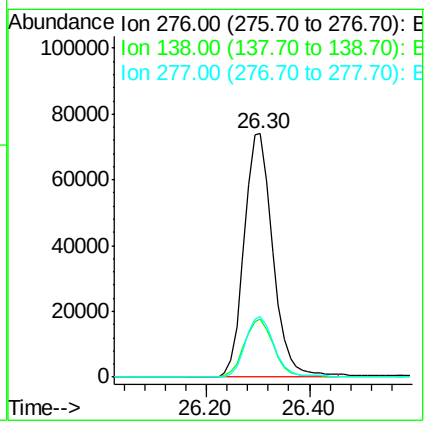


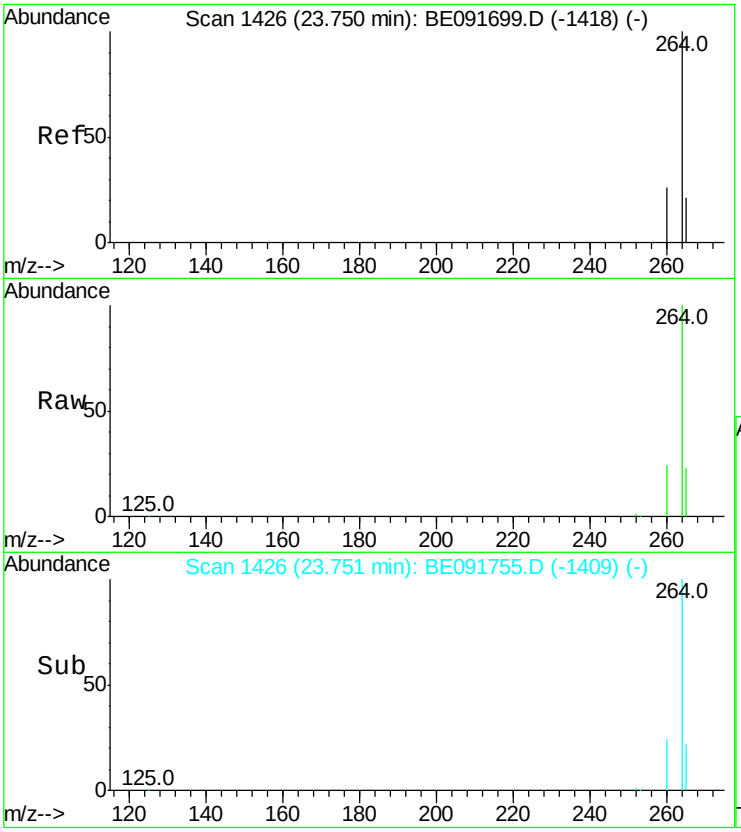


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.42 ng
RT: 26.30 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:276 Resp: 284931

Ion	Ratio	Lower	Upper
276	100		
138	24.3	23.4	35.2
277	24.8	19.8	29.8

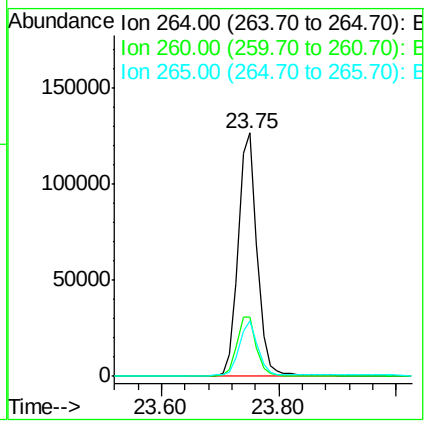




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:264 Resp: 284659

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.0	30.0
265	22.5	17.5	26.3



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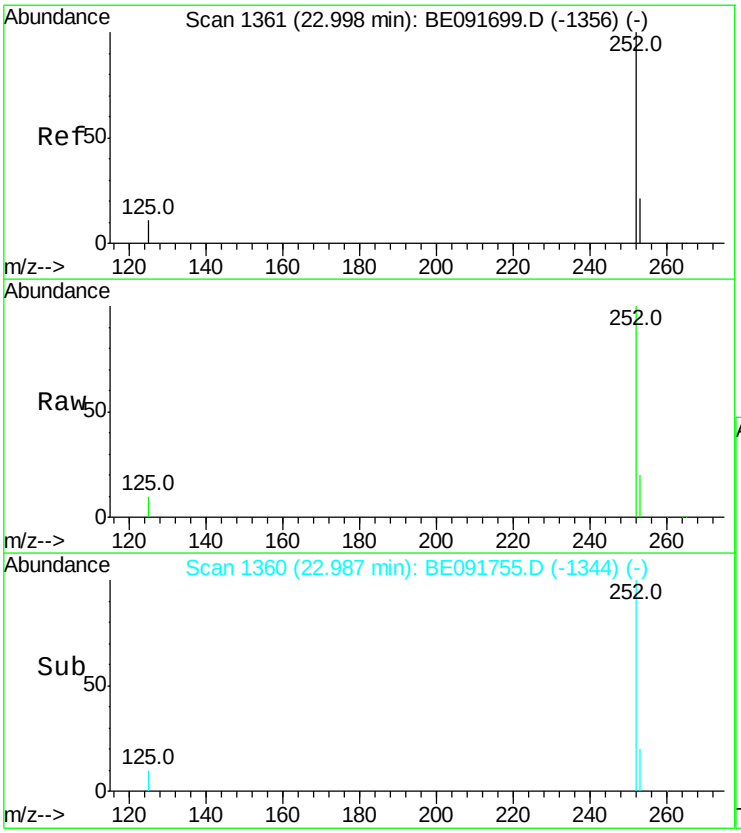
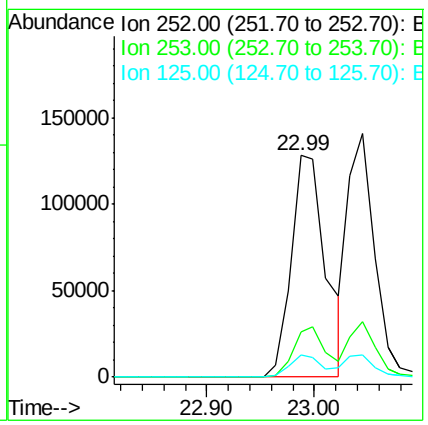
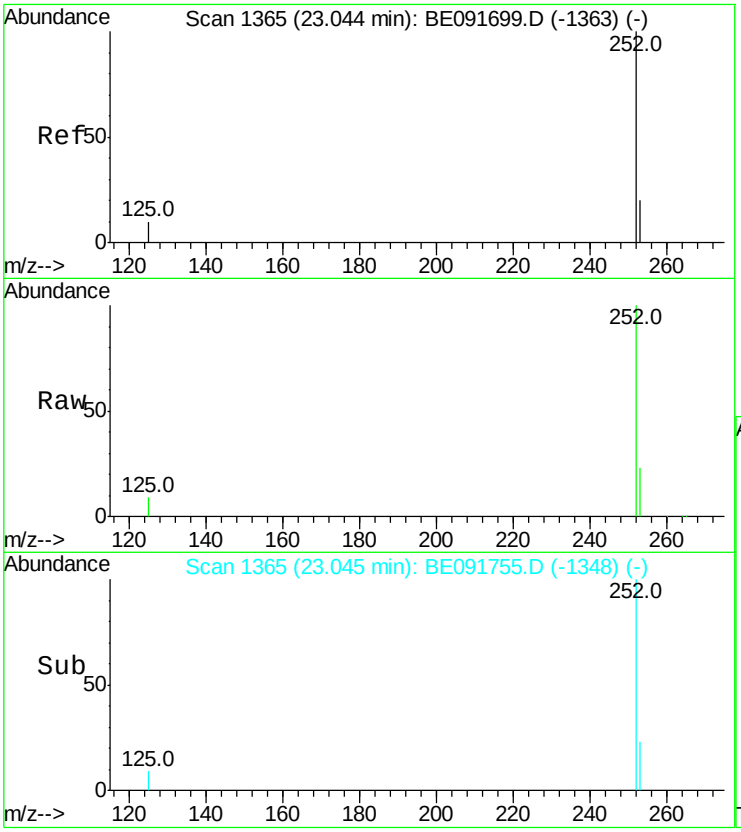


#36
Benzo(b)fluoranthene
Concen: 4.32 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:252 Resp: 288034

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.4	26.0
125	10.1	10.2	15.2#





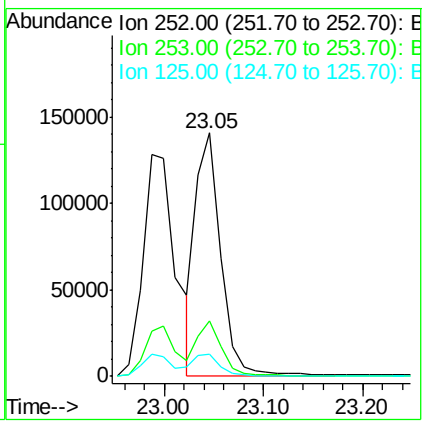
#37
Benzo(k)fluoranthene
Concen: 3.71 ng m
RT: 23.05 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

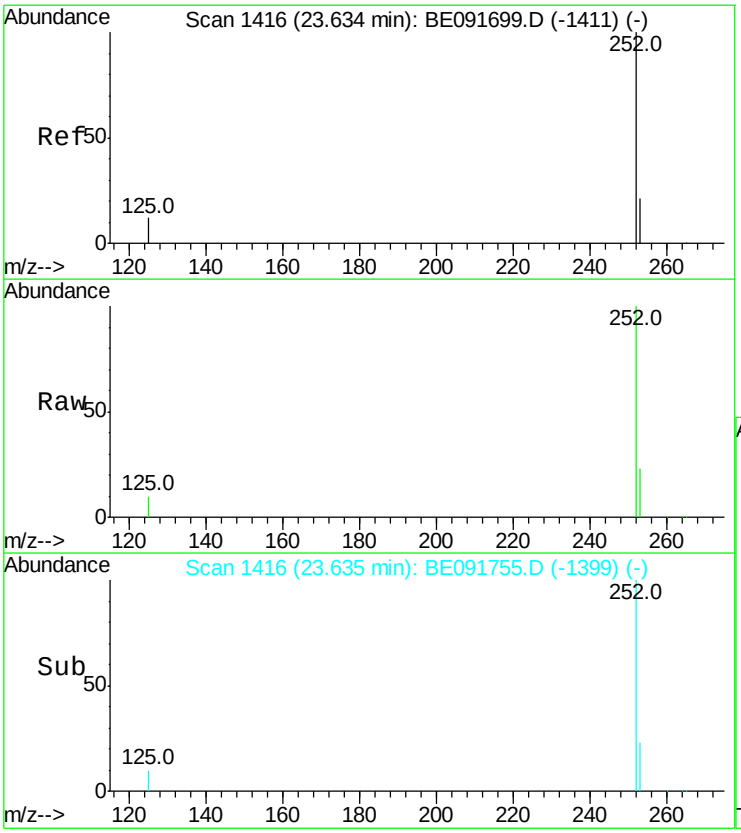
Tgt Ion:252 Resp: 251814

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	8.9	9.9	14.9#

Instrument :
BNA_E
ClientSampleId :
PB90335BSD

Manual Integrations APPROVED
umangi
5/10/2016 7:01:50 PM

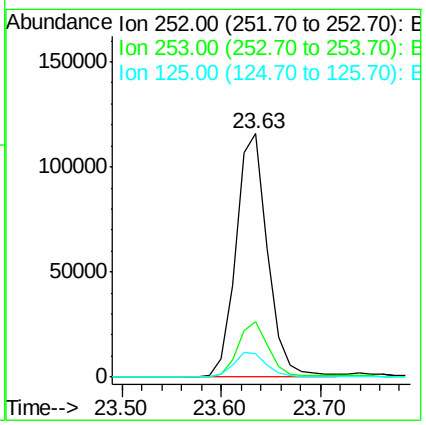


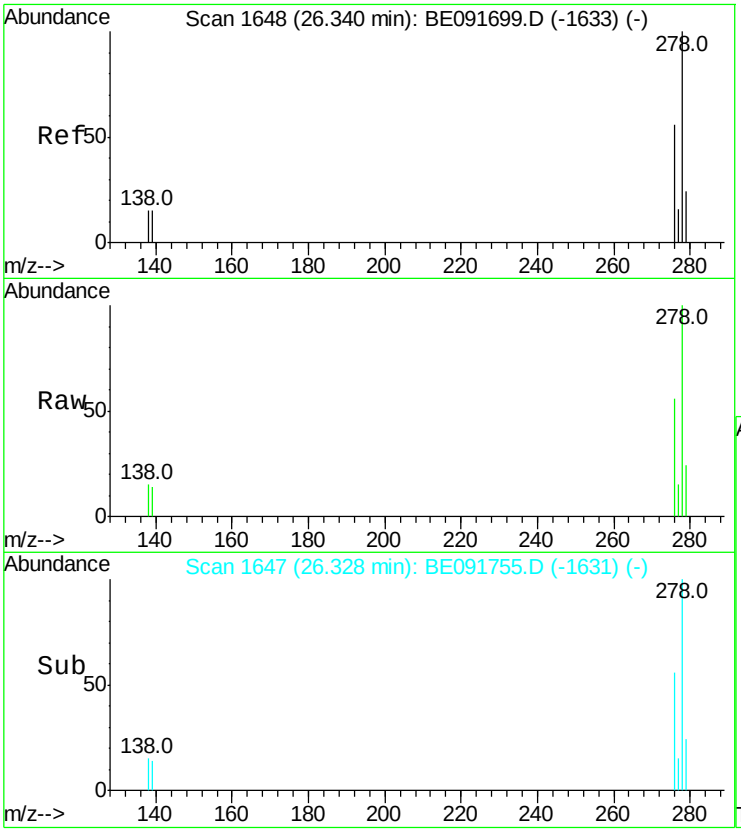


#38
Benzo(a)pyrene
Concen: 4.06 ng
RT: 23.63 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:252 Resp: 254765

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	9.8	11.0	16.4#





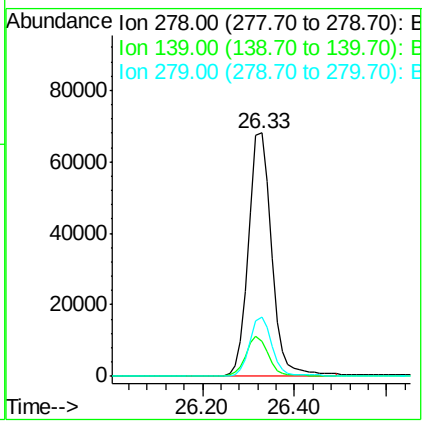
#39
Dibenzo(a,h)anthracene
Concen: 3.98 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

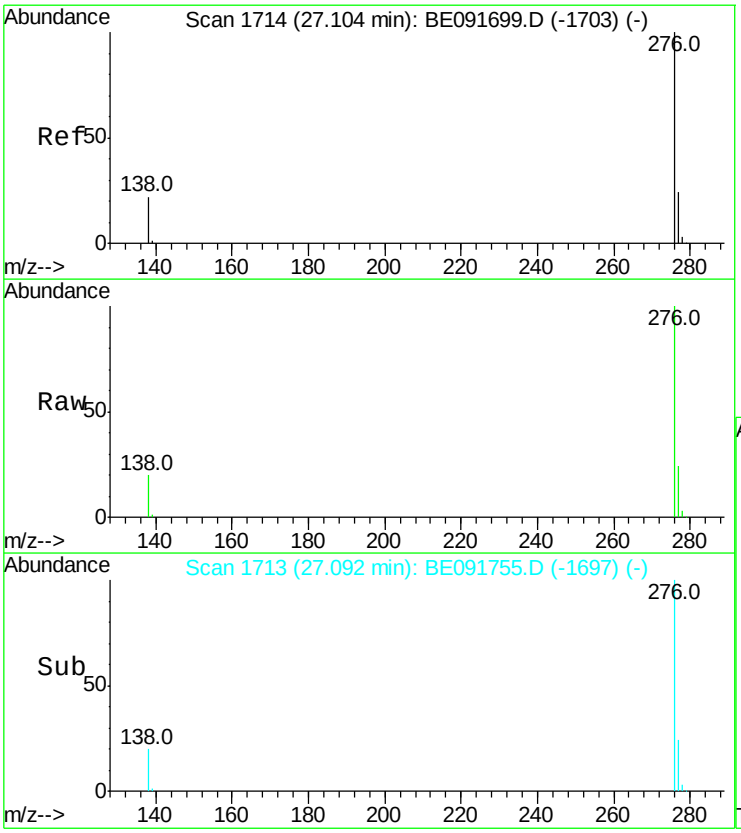
Tgt Ion:278 Resp: 236907

Ion	Ratio	Lower	Upper
278	100		
139	14.5	16.0	24.0#
279	24.1	19.4	29.2

Instrument :
BNA_E
ClientSampleId :
PB90335BSD

Manual Integrations APPROVED
umangi
5/10/2016 7:01:50 PM





#40
Benzo(g,h,i)perylene
Concen: 4.00 ng
RT: 27.09 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BE091755.D
Acq: 9 May 2016 13:21

Tgt Ion:276 Resp: 242218

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	20.2	20.4	30.6#