Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051616\
Data File : BE091784.D
Acq On : 16 May 2016 21:35
Operator : UM/SJ
Sample : PB90599BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB90599BS

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Quant Time: May 17 04:44:38 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	39262	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	187525	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	111021	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	292581	5.00	ng		0.00
26) Chrysene-d12	21.29	240	245507	5.00	ng		-0.02
35) Perylene-d12	23.74	264	259187	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	63511	6.58	ng		0.00
5) Phenol-d6	6.95	99	95023	7.43	ng		0.00
8) Nitrobenzene-d5	8.95	82	43585	3.60	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	32173	7.79	ng		-0.01
15) 2-Fluorobiphenyl	13.04	172	123748	3.94	ng		0.00
29) Terphenyl-d14	19.76	244	180996	4.73	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	14692	3.18	ng		94
3) n-Nitrosodimethylamine	3.63	42	23048	3.23	ng	#	96
6) bis(2-Chloroethyl)ether	7.21	93	40565	3.60	ng	#	78
9) Nitrobenzene	8.99	77	47955	3.79	ng		93
10) Naphthalene	10.61	128	144577	3.82	ng		98
11) Hexachlorobutadiene	10.90	225	22446	4.01	ng		97
12) 2-Methylnaphthalene	12.23	142	105002	4.31	ng		98
16) Acenaphthylene	14.12	152	189834	4.45	ng	#	86
17) Acenaphthene	14.47	154	119078	4.30	ng		96
18) Fluorene	15.44	166	146542	4.26	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	43230	4.11	ng		91
21) Hexachlorobenzene	16.45	284	42532	4.04	ng		99
22) Pentachlorophenol	16.79	266	45979	8.08	ng		89
23) Phenanthrene	17.18	178	261272	3.93	ng		99
24) Anthracene	17.28	178	249108	4.15	ng		99
25) Fluoranthene	19.19	202	297797	4.29	ng	#	96
27) Benzidine	19.38	184	101443	5.22	ng	#	76
28) Pyrene	19.55	202	317628	5.73	ng		99
30) Benzo(a)anthracene	21.29	228	282642	4.71	ng	#	89
31) 3,3'-Dichlorobenzidine	21.22	252	82935	2.71	ng	#	88
32) Chrysene	21.34	228	303582m	4.87	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	187855	10.34	ng	#	89
34) Indeno(1,2,3-cd)pyrene	26.29	276	301370	5.43	ng		95
36) Benzo(b)fluoranthene	22.99	252	278064	4.58	ng	#	97
37) Benzo(k)fluoranthene	23.03	252	285662	4.63	ng		96
38) Benzo(a)pyrene	23.62	252	267264	4.67	ng	#	96
39) Dibenzo(a,h)anthracene	26.32	278	251278	4.64	ng	#	95
40) Benzo(g,h,i)perylene	27.08	276	255791	4.64	ng		95

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

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Instrument :
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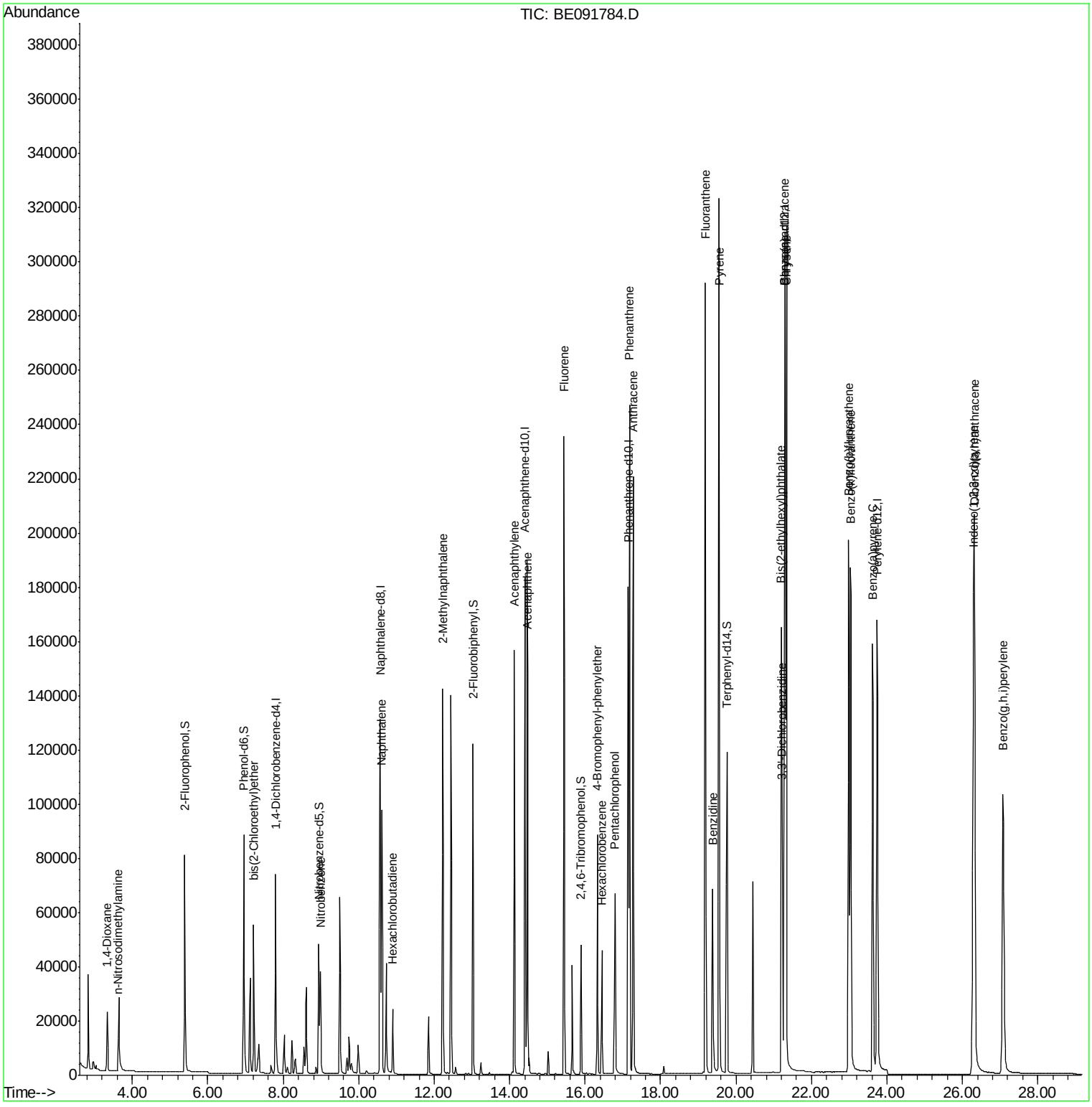
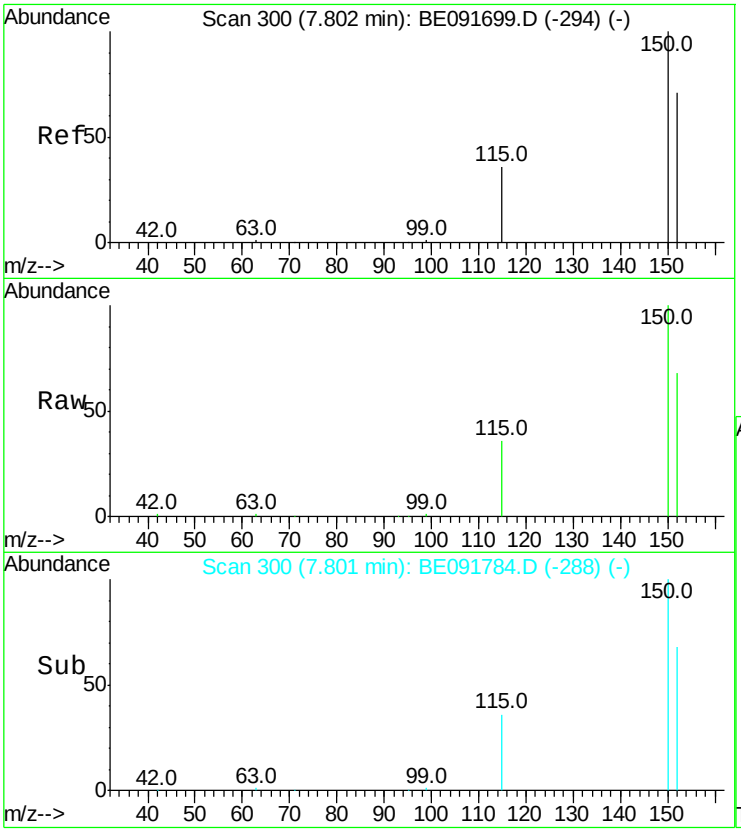
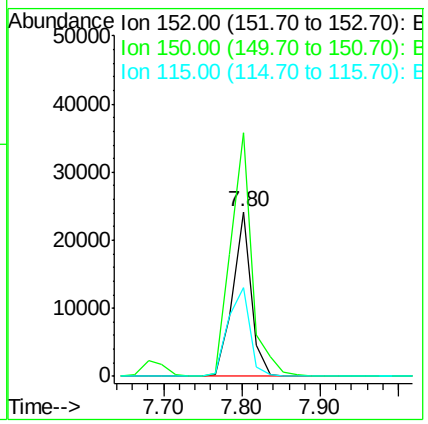




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:152 Resp: 39262

Ion	Ratio	Lower	Upper
152	100		
150	148.0	122.6	183.8
115	53.7	52.8	79.2



Instrument :
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ClientSampleId :
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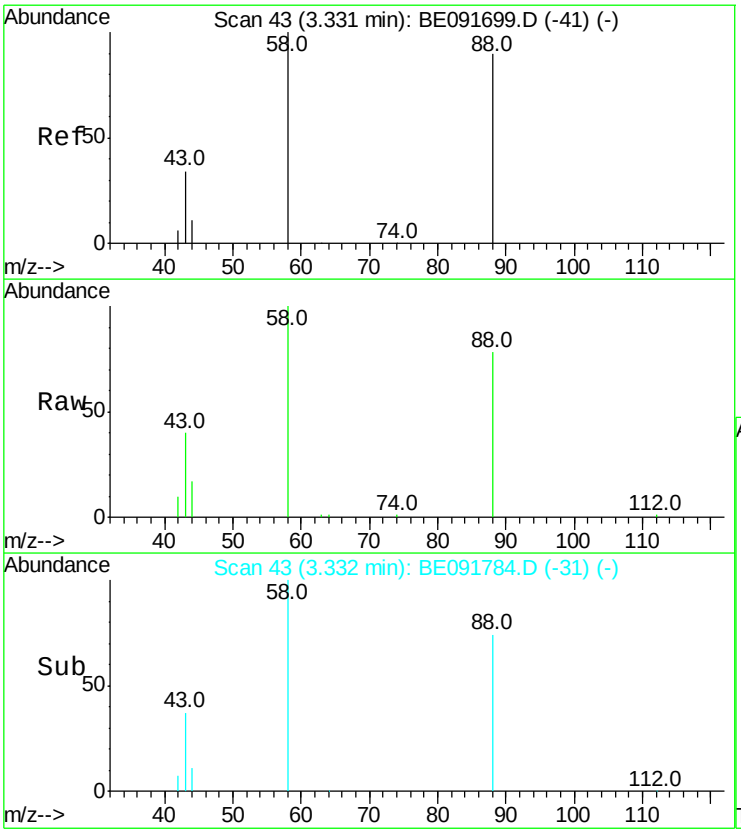
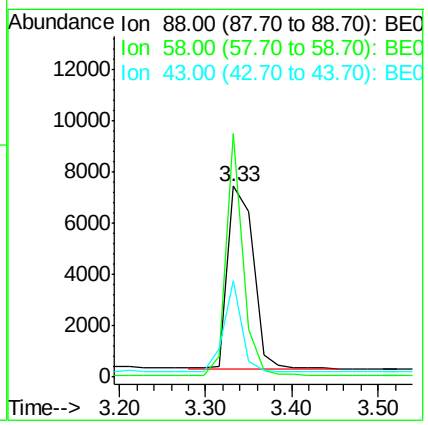
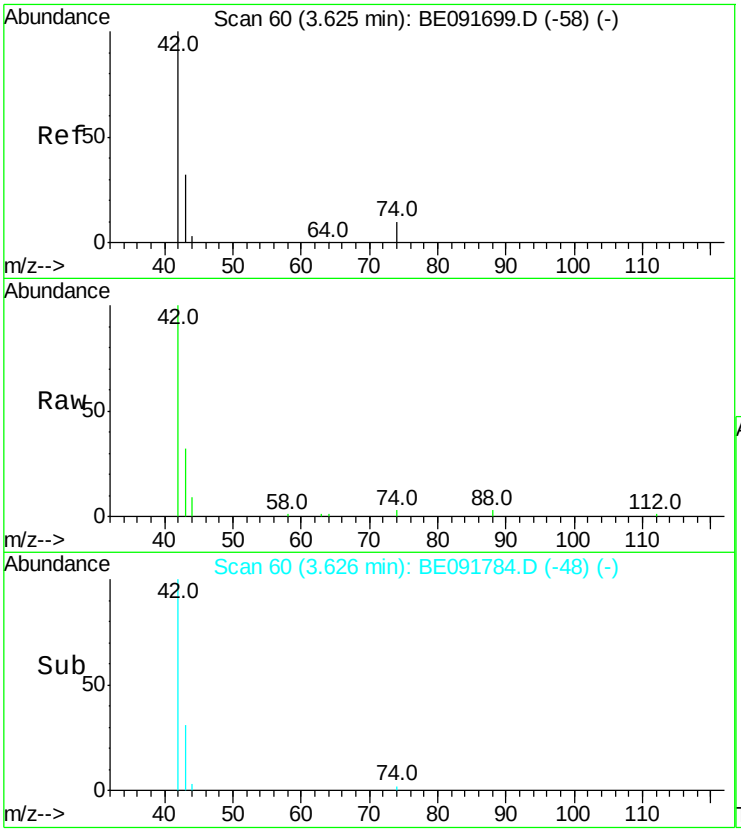


#2
1,4-Dioxane
Concen: 3.18 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion: 88 Resp: 14692

Ion	Ratio	Lower	Upper
88	100		
58	87.6	65.8	98.6
43	35.1	25.3	37.9

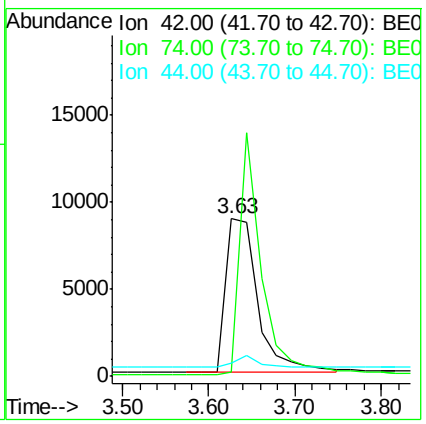




#3
n-Nitrosodimethylamine
Concen: 3.23 ng
RT: 3.63 min Scan# 60
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion: 42 Resp: 23048

Ion	Ratio	Lower	Upper
42	100		
74	105.3	87.9	131.9
44	6.1	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
PB90599BS

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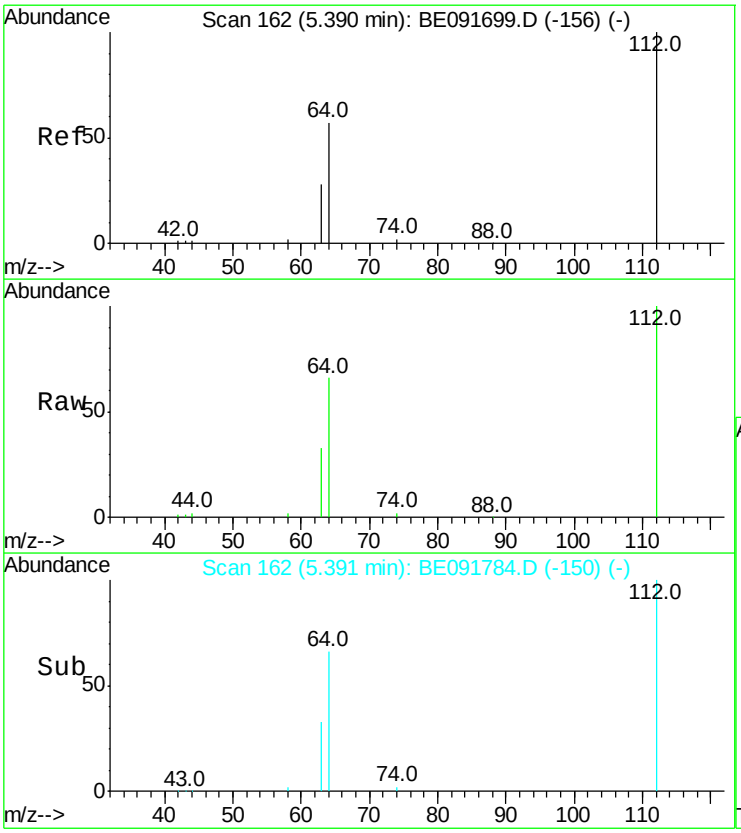
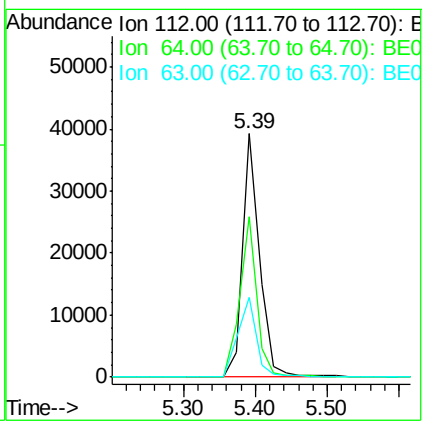
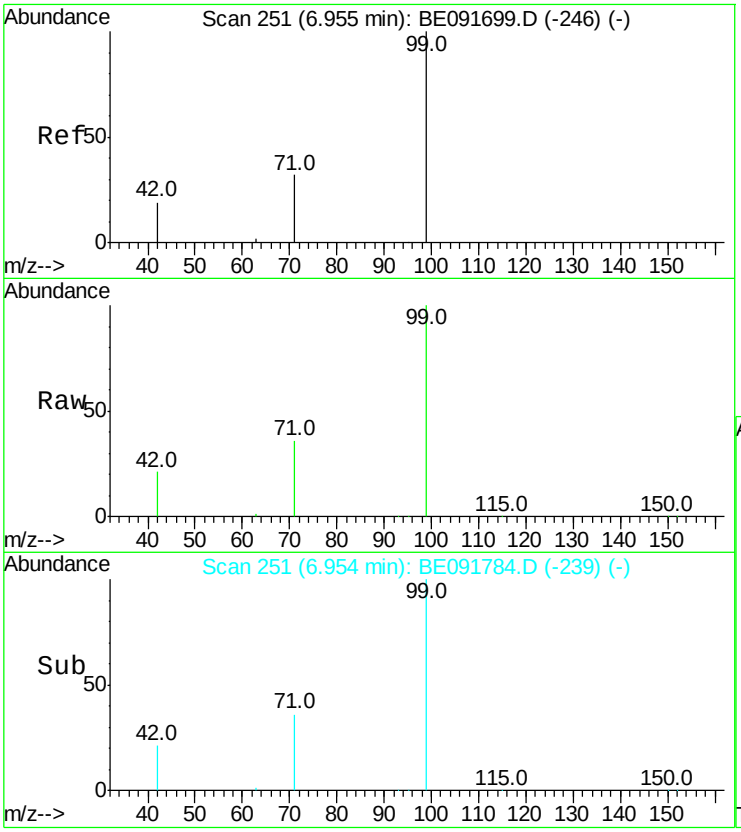


#4
2-Fluorophenol
Concen: 6.58 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:112 Resp: 63511

Ion	Ratio	Lower	Upper
112	100		
64	66.0	30.9	46.3#
63	35.5	16.7	25.1#

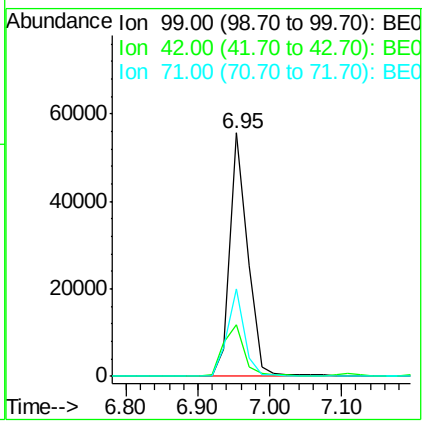




#5
Phenol-d6
Concen: 7.43 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion: 99 Resp: 95023

Ion	Ratio	Lower	Upper
99	100		
42	24.4	16.2	24.2#
71	34.8	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB90599BS

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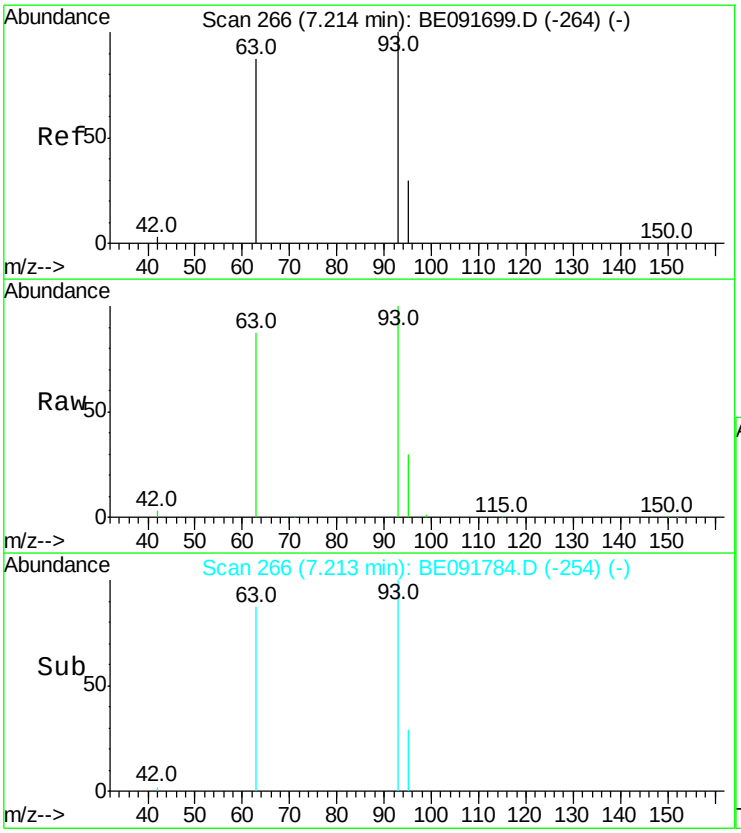
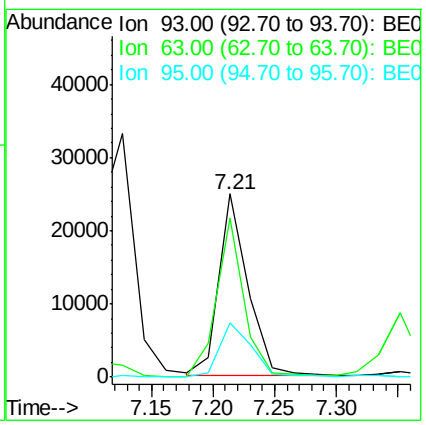
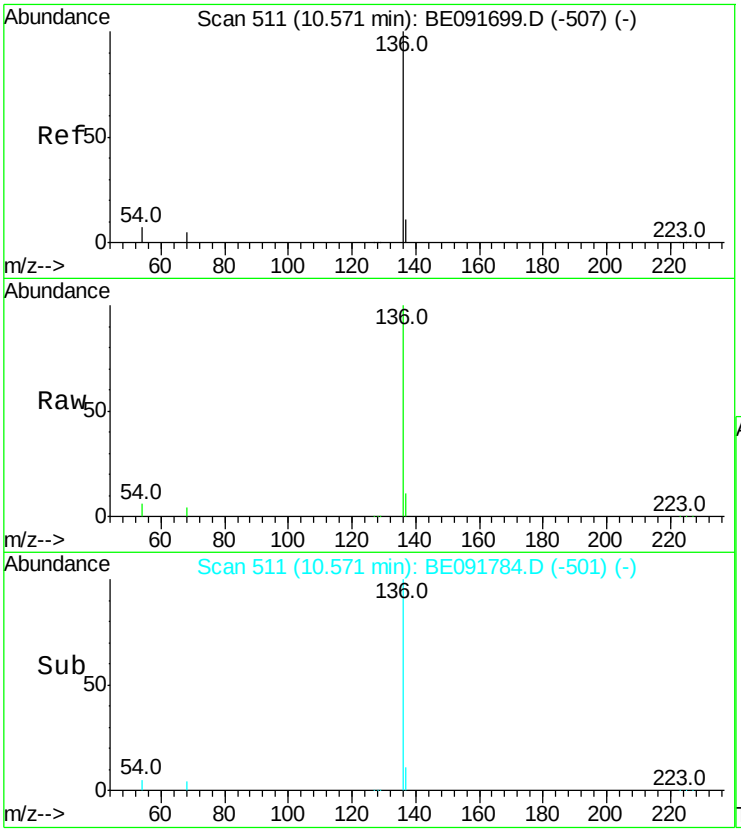


#6
bis(2-Chloroethyl)ether
Concen: 3.60 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion: 93 Resp: 40565

Ion	Ratio	Lower	Upper
93	100		
63	82.7	49.5	74.3#
95	32.6	22.2	33.4

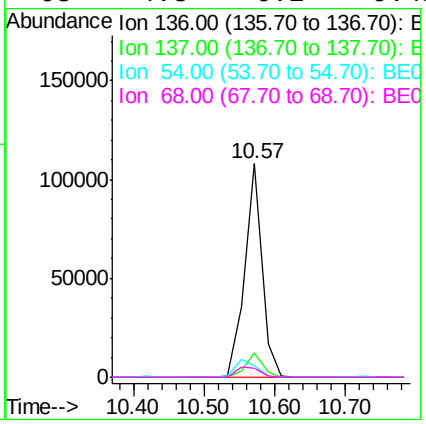




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:136 Resp: 187525

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	5.5	8.2	12.4#
68	4.3	6.2	9.4#



Instrument :
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ClientSampleId :
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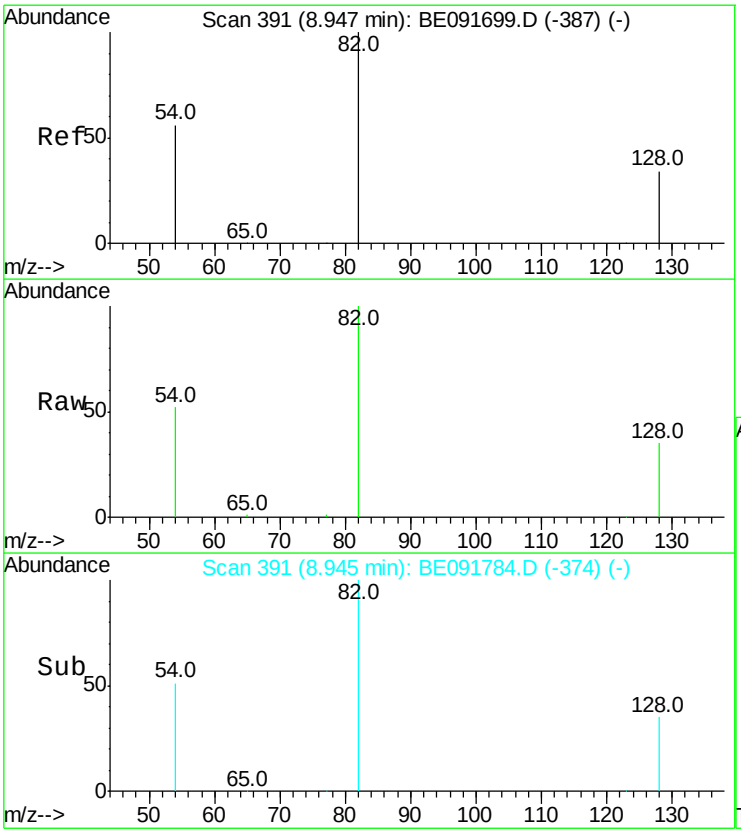
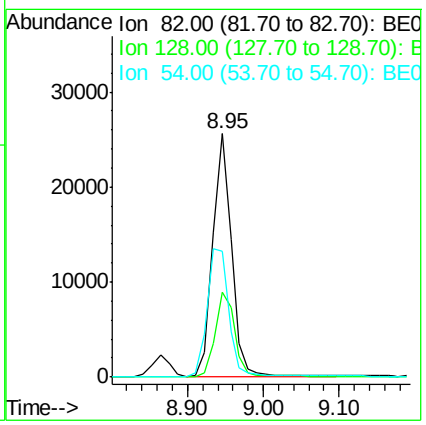
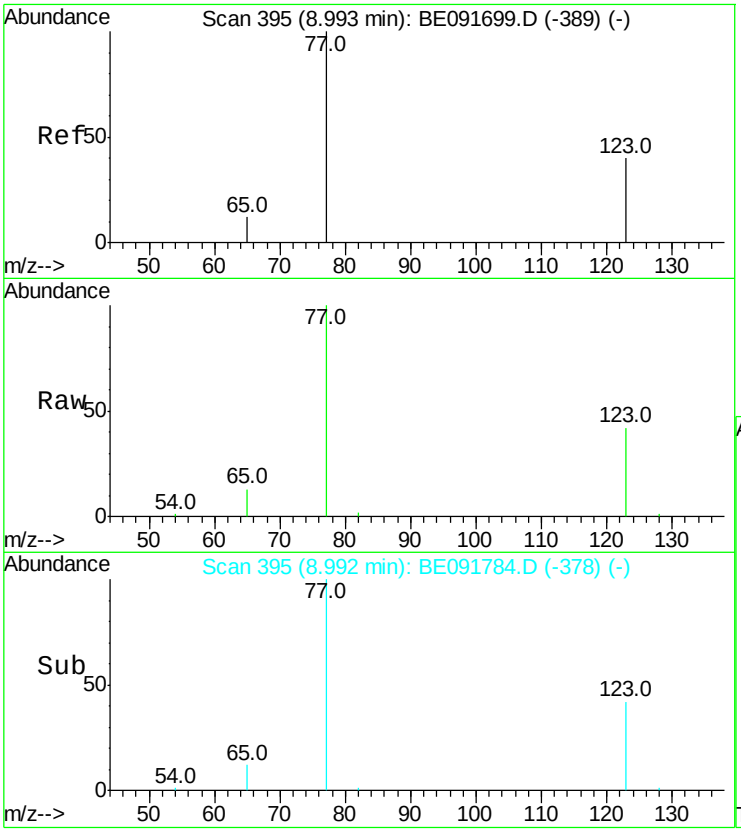


#8
Nitrobenzene-d5
Concen: 3.60 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion: 82 Resp: 43585

Ion	Ratio	Lower	Upper
82	100		
128	35.1	25.4	38.0
54	51.6	48.4	72.6

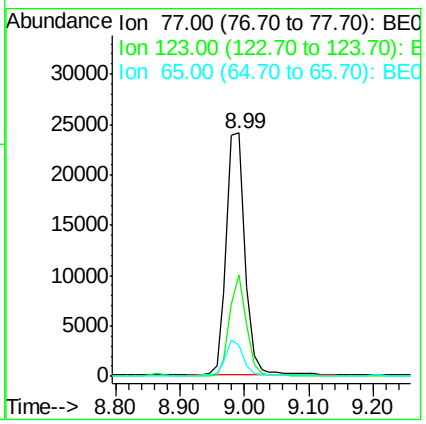




#9
Nitrobenzene
Concen: 3.79 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion: 77 Resp: 47955

Ion	Ratio	Lower	Upper
77	100		
123	37.7	26.9	40.3
65	13.8	9.4	14.2



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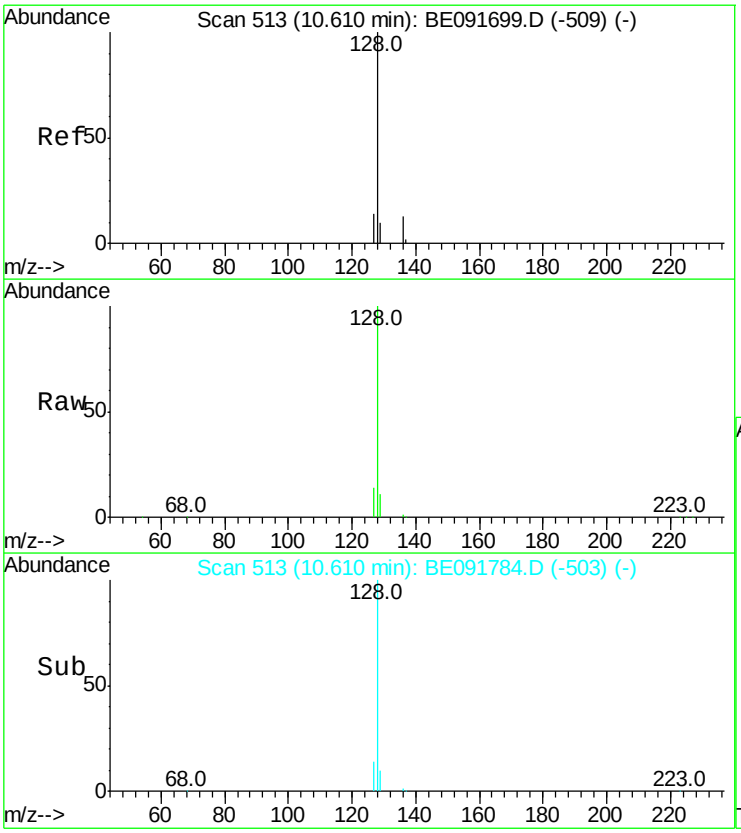
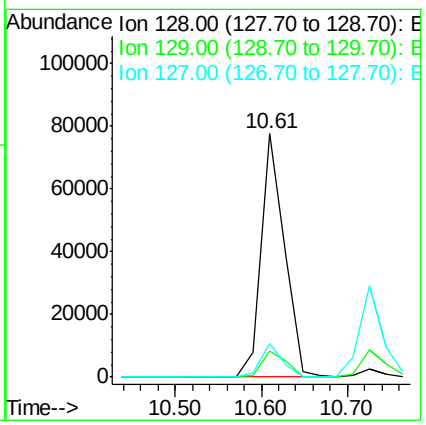
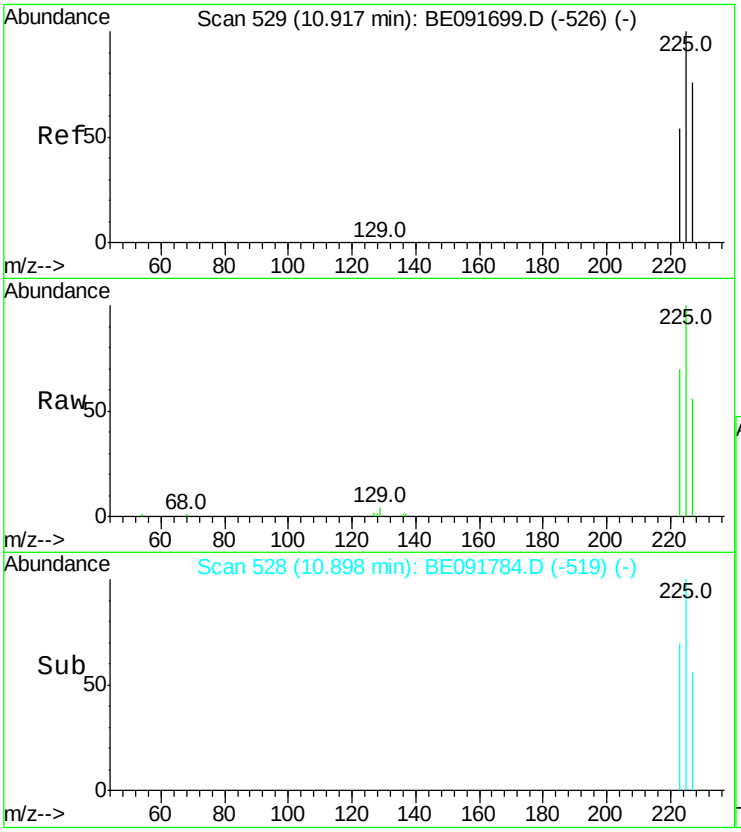


#10
Naphthalene
Concen: 3.82 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:128 Resp: 144577

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.3	13.9
127	13.8	10.7	16.1

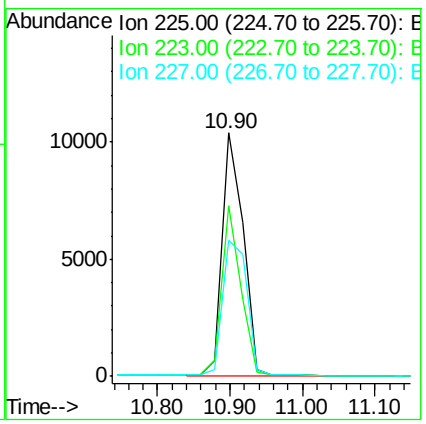




#11
Hexachlorobutadiene
Concen: 4.01 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:225 Resp: 22446

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.0	73.6
227	65.0	50.3	75.5



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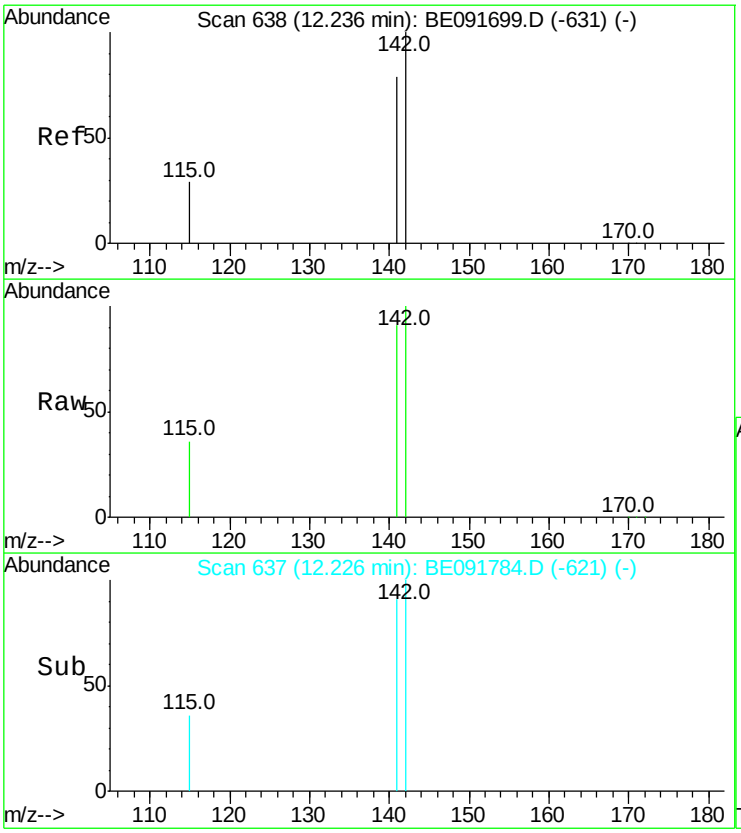
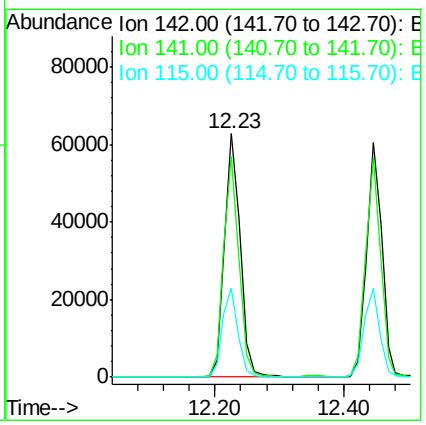
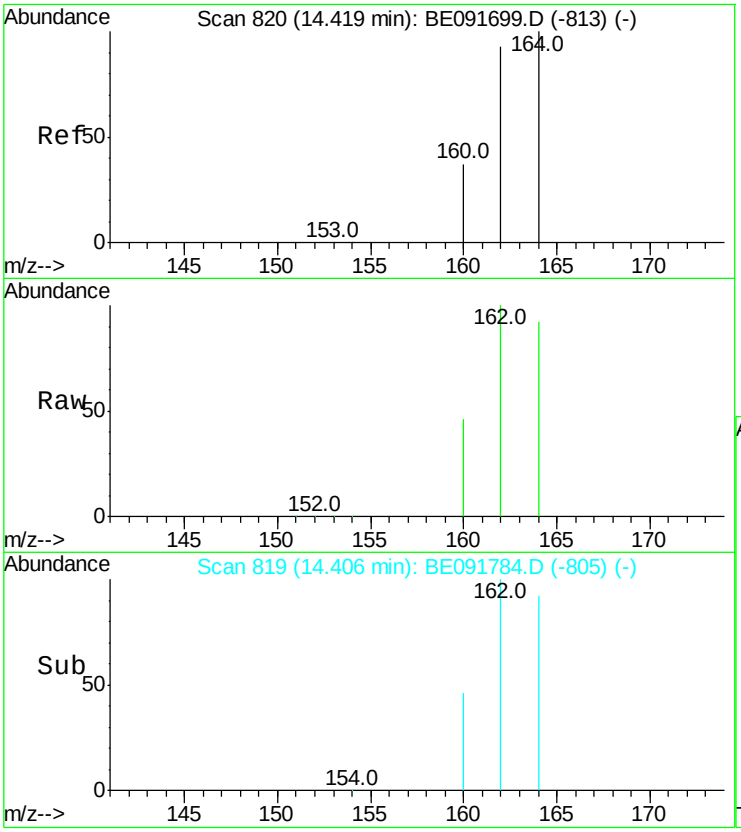


#12
2-Methylnaphthalene
Concen: 4.31 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:142 Resp: 105002

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.4	107.0
115	36.2	30.3	45.5

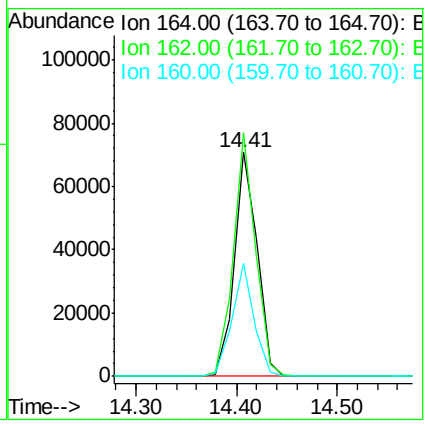




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:164 Resp: 111021

Ion	Ratio	Lower	Upper
164	100		
162	108.6	85.3	127.9
160	50.2	46.2	69.2



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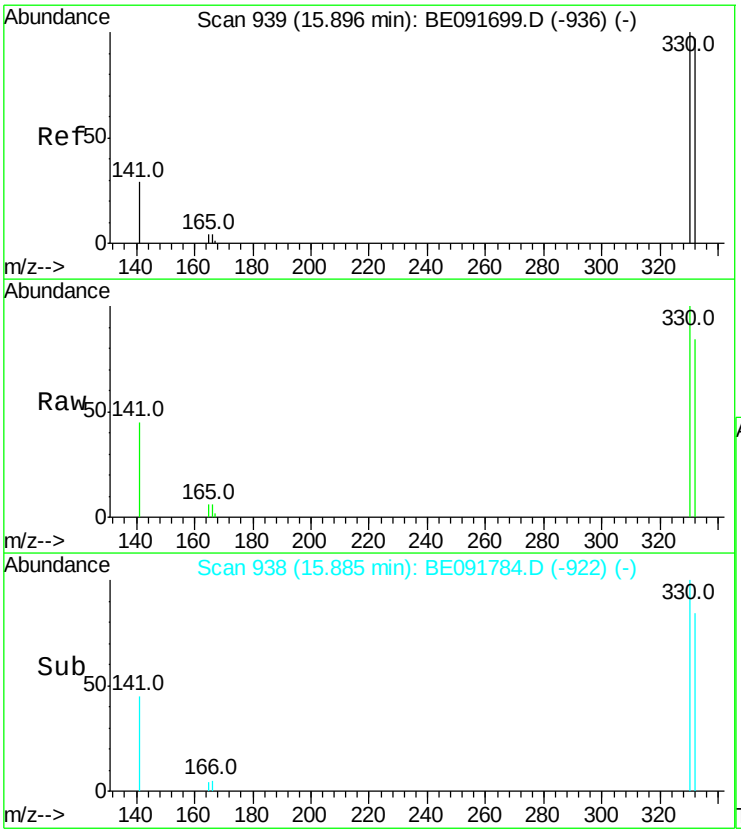
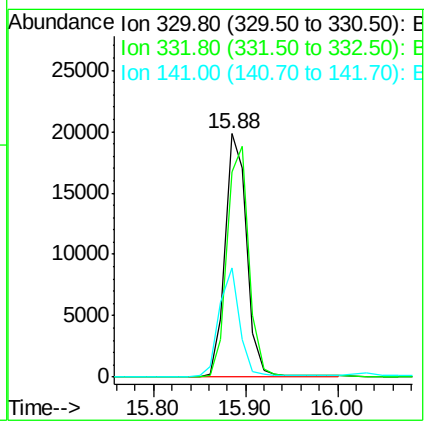
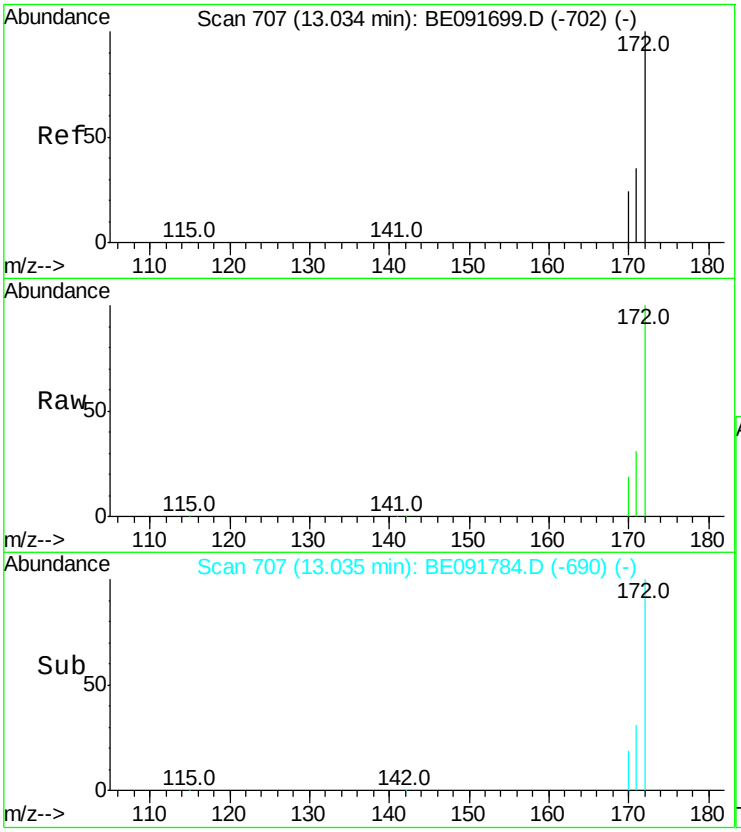


#14
2,4,6-Tribromophenol
Concen: 7.79 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:330 Resp: 32173

Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	41.8	125.4	188.0#

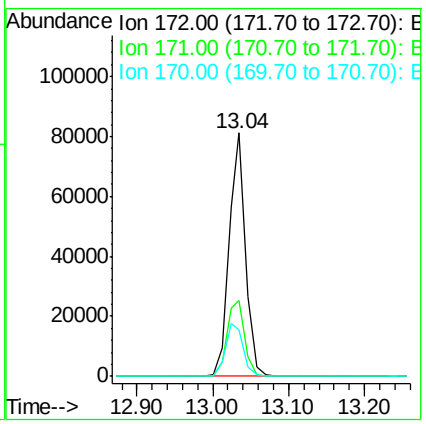




#15
2-Fluorobiphenyl
Concen: 3.94 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:172 Resp: 123748

Ion	Ratio	Lower	Upper
172	100		
171	31.2	28.8	43.2
170	19.0	19.3	28.9#



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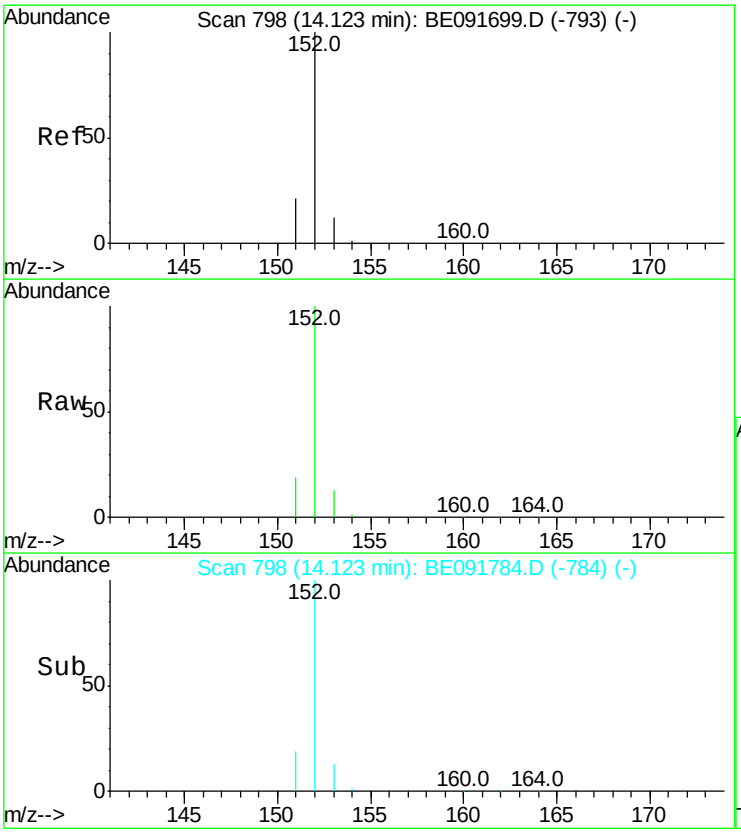
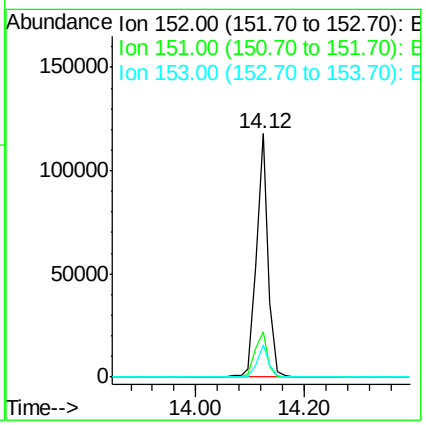
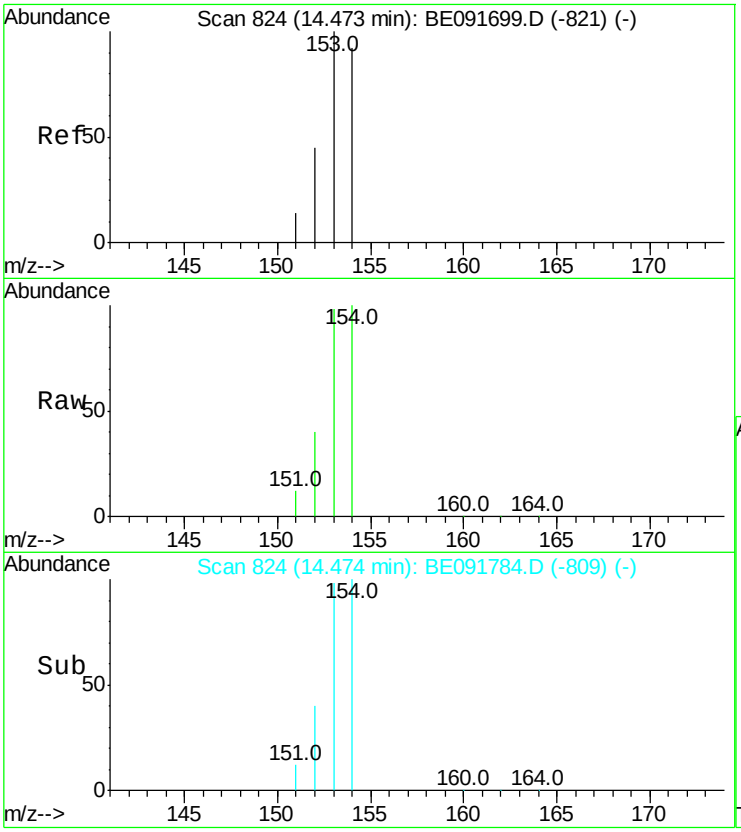


#16
Acenaphthylene
Concen: 4.45 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:152 Resp: 189834

Ion	Ratio	Lower	Upper
152	100		
151	20.2	3.9	5.9#
153	13.5	10.3	15.5

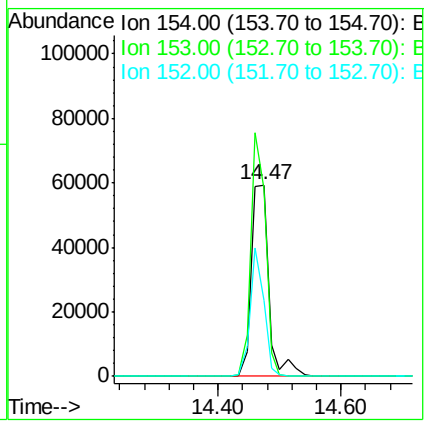




#17
Acenaphthene
Concen: 4.30 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:154 Resp: 119078

Ion	Ratio	Lower	Upper
154	100		
153	104.9	80.0	120.0
152	51.4	40.0	60.0



Instrument :
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ClientSampleId :
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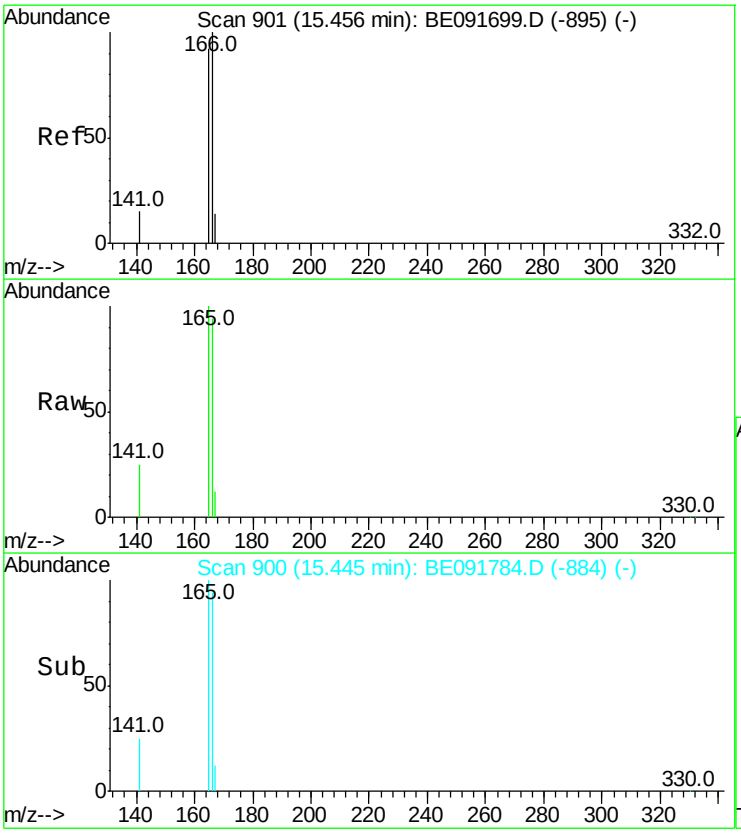
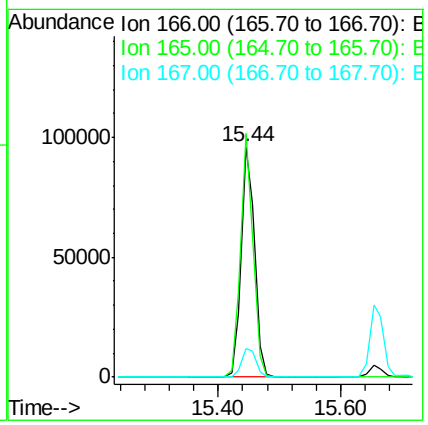
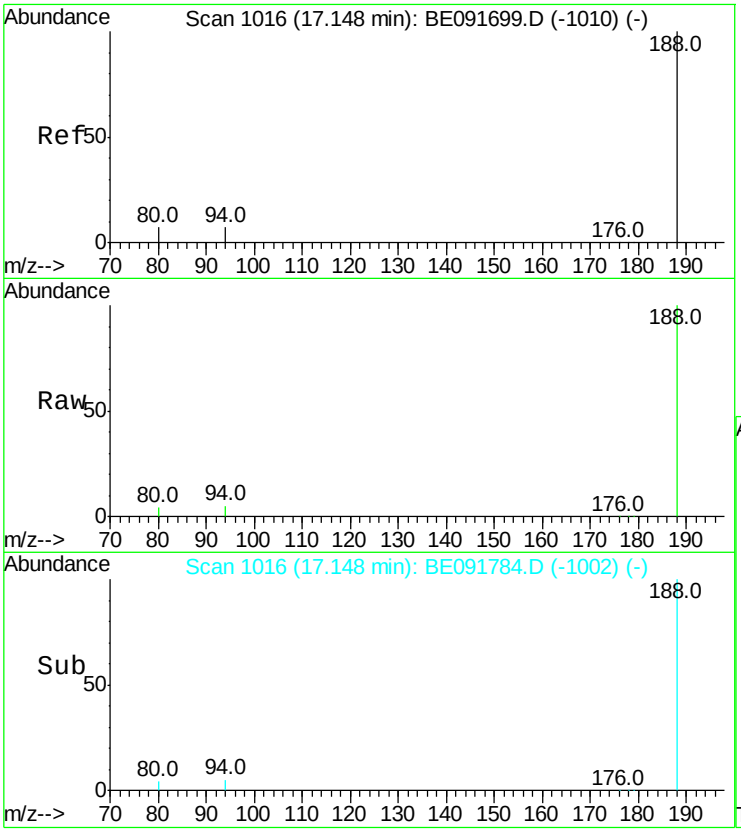


#18
Fluorene
Concen: 4.26 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:166 Resp: 146542

Ion	Ratio	Lower	Upper
166	100		
165	99.1	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: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:188 Resp: 292581

Ion	Ratio	Lower	Upper
188	100		
94	5.0	8.7	13.1#
80	4.1	9.4	14.0#

Instrument :
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ClientSampleId :
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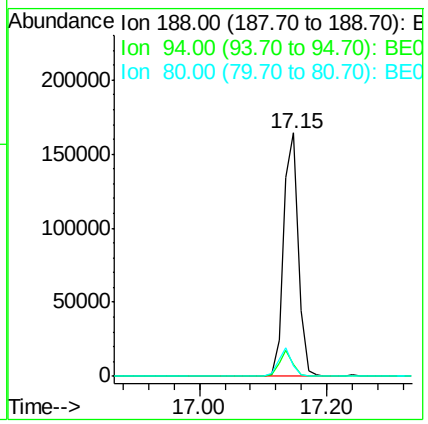
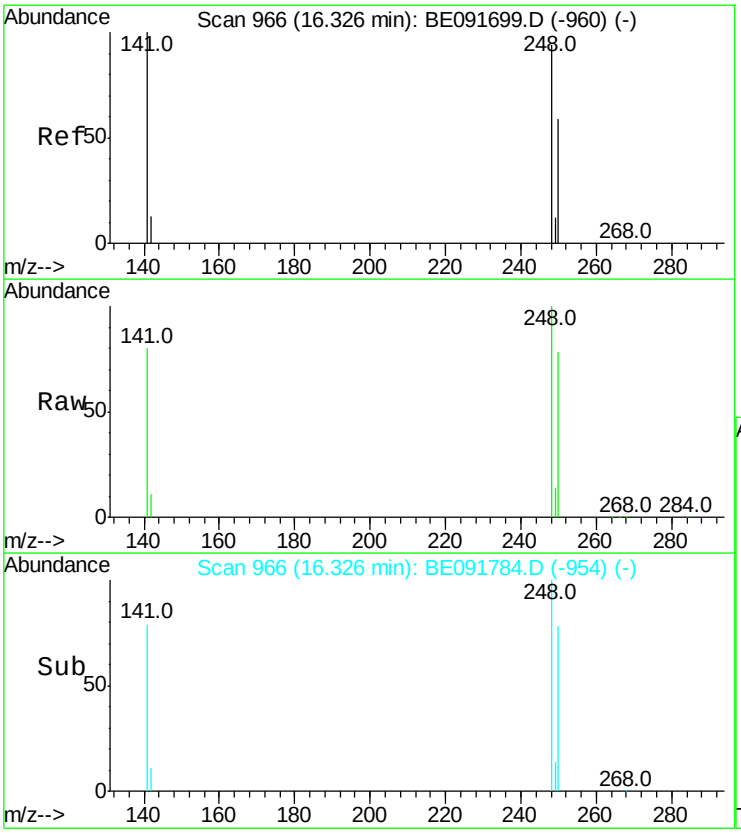
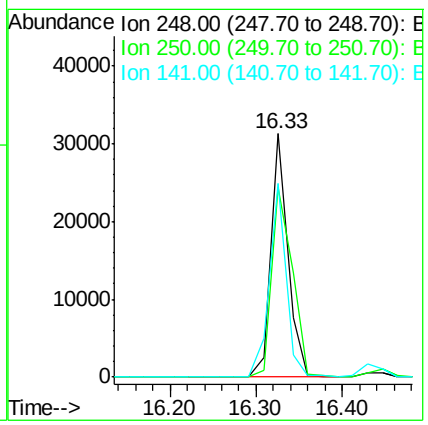


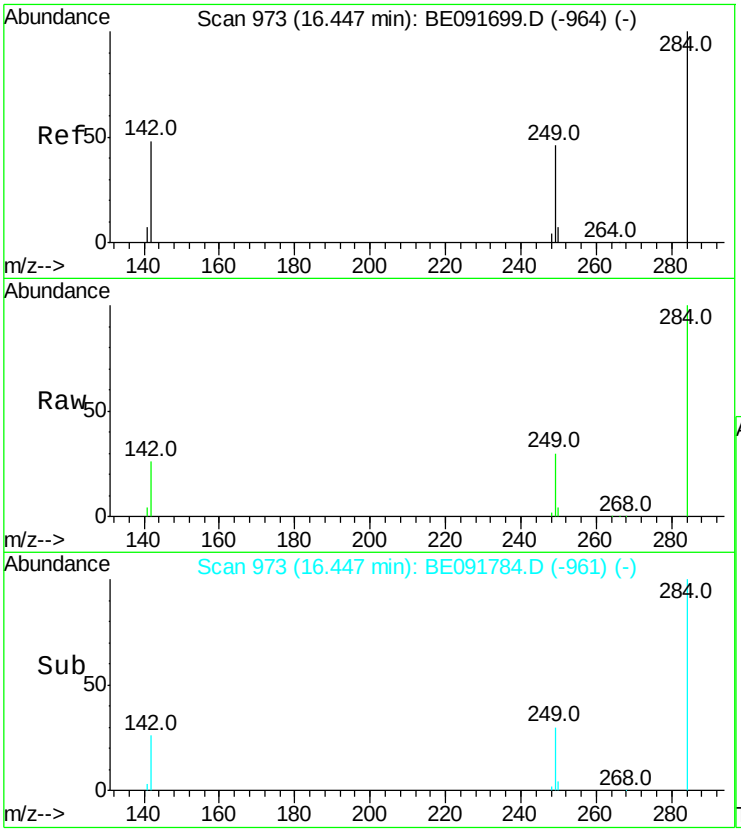


#20
4-Bromophenyl-phenylether
Concen: 4.11 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:248 Resp: 43230

Ion	Ratio	Lower	Upper
248	100		
250	93.7	80.5	120.7
141	78.9	72.0	108.0

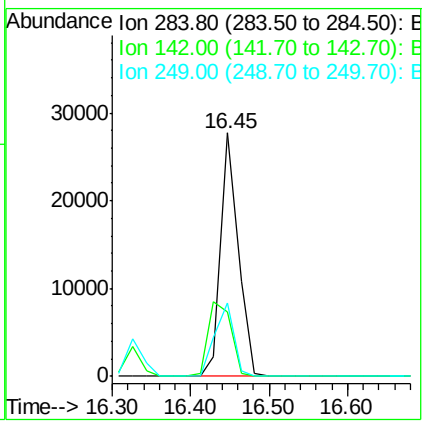




#21
Hexachlorobenzene
Concen: 4.04 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:284 Resp: 42532

Ion	Ratio	Lower	Upper
284	100		
142	39.5	32.2	48.2
249	32.6	25.4	38.2



Instrument :
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ClientSampleId :
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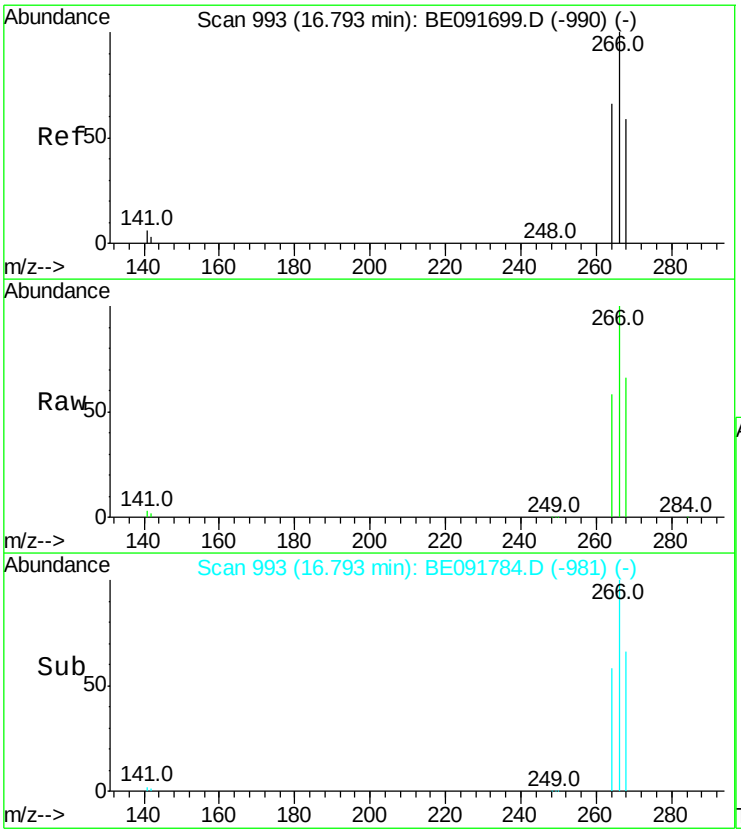
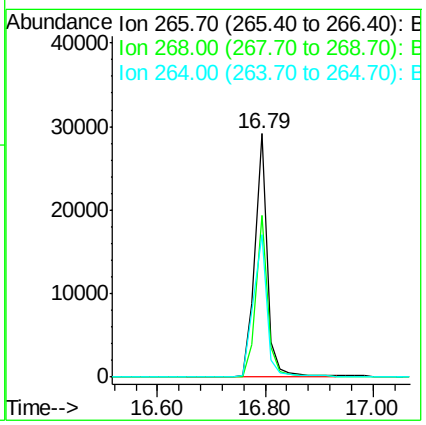
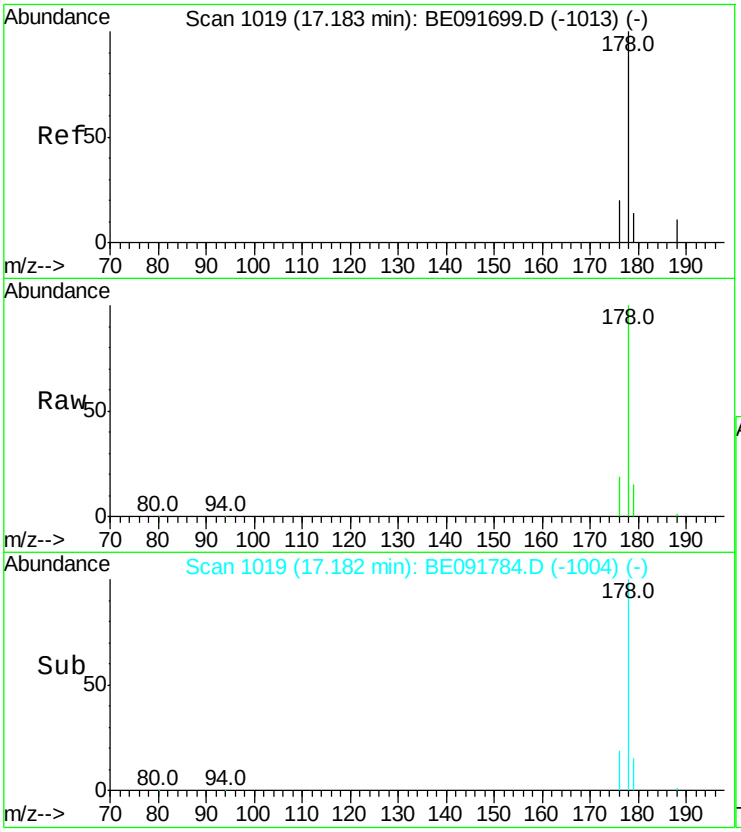


#22
Pentachlorophenol
Concen: 8.08 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:266 Resp: 45979

Ion	Ratio	Lower	Upper
266	100		
268	66.2	58.2	87.2
264	58.5	56.2	84.4

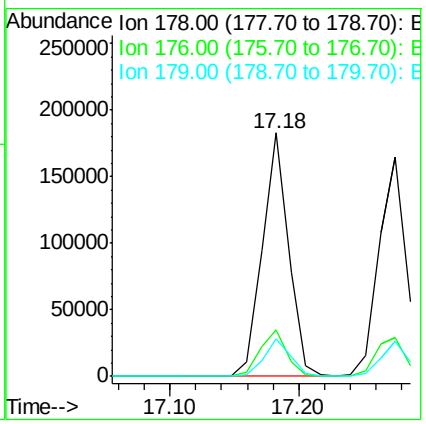




#23
Phenanthrene
Concen: 3.93 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:178 Resp: 261272

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.6	12.6	18.8



Instrument :
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ClientSampleId :
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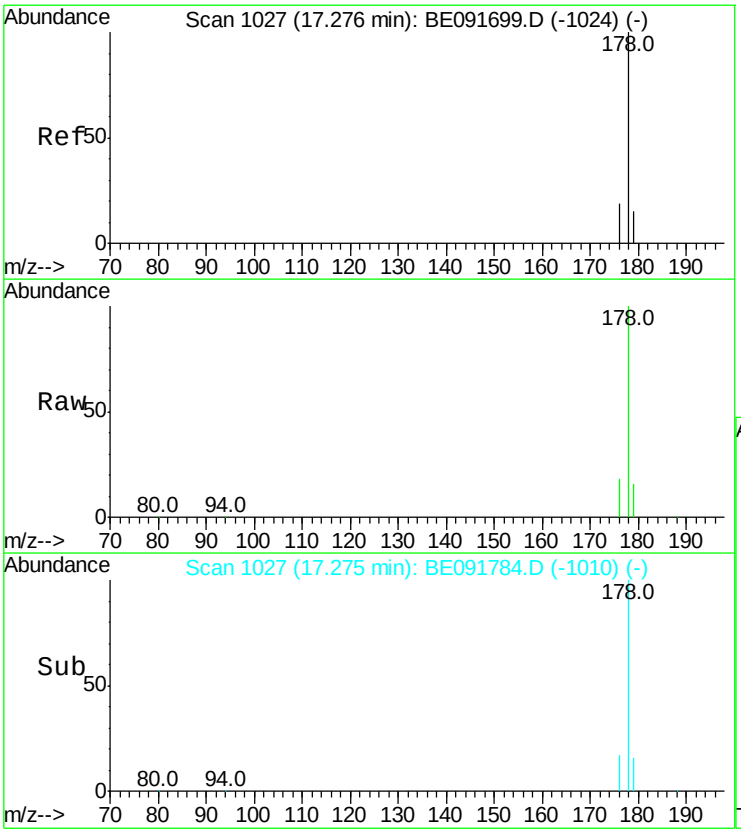
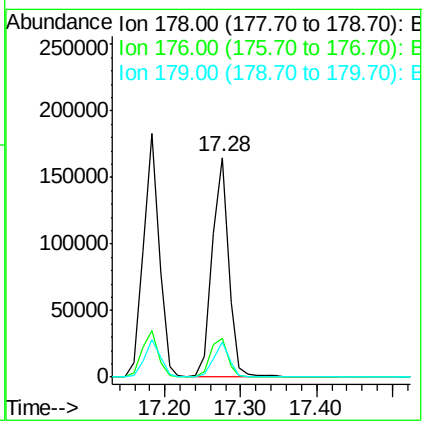
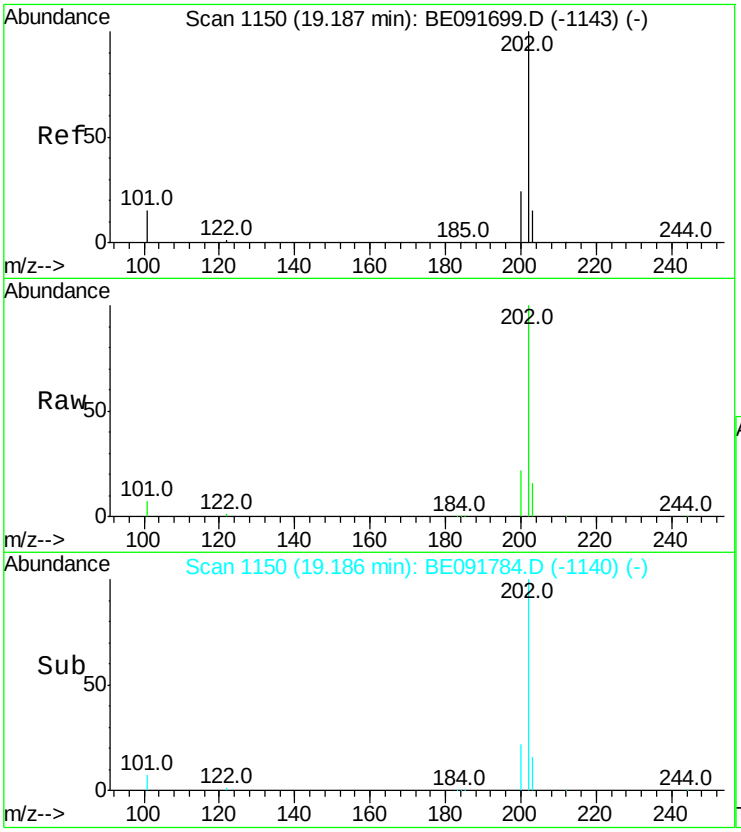


#24
Anthracene
Concen: 4.15 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:178 Resp: 249108

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	15.3	11.8	17.6

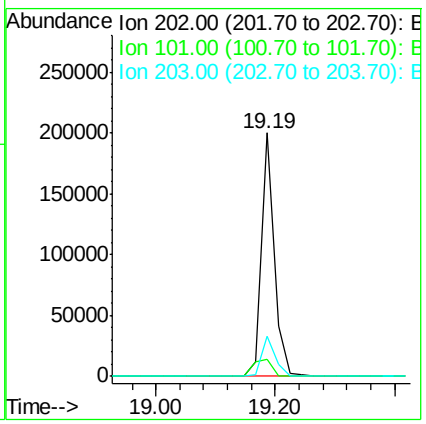




#25
Fluoranthene
Concen: 4.29 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:202 Resp: 297797

Ion	Ratio	Lower	Upper
202	100		
101	10.6	11.0	16.6#
203	17.4	13.9	20.9



Instrument :
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ClientSampleId :
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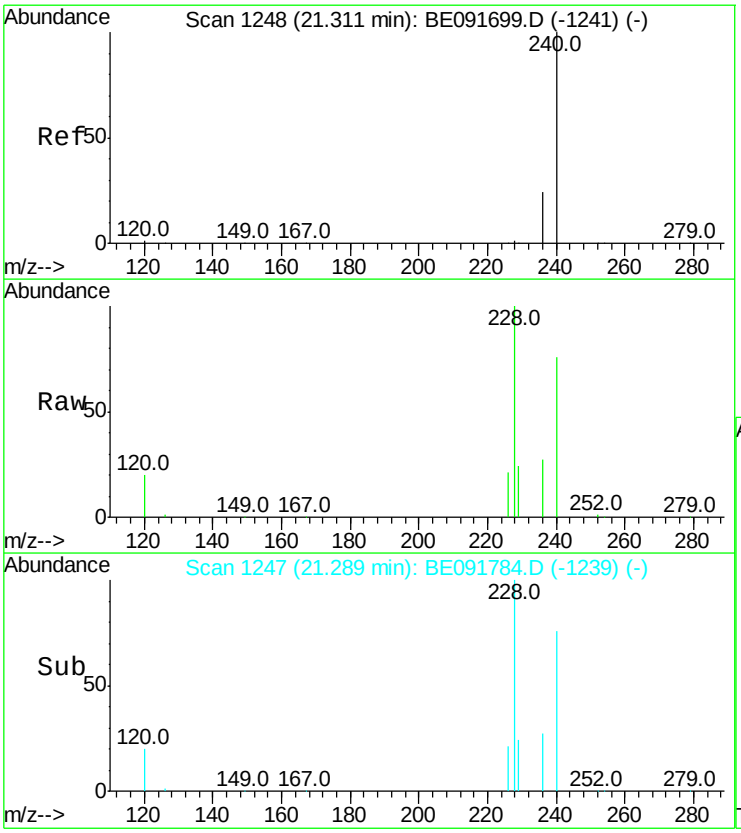
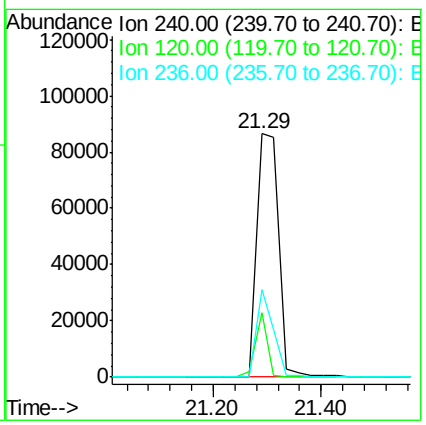
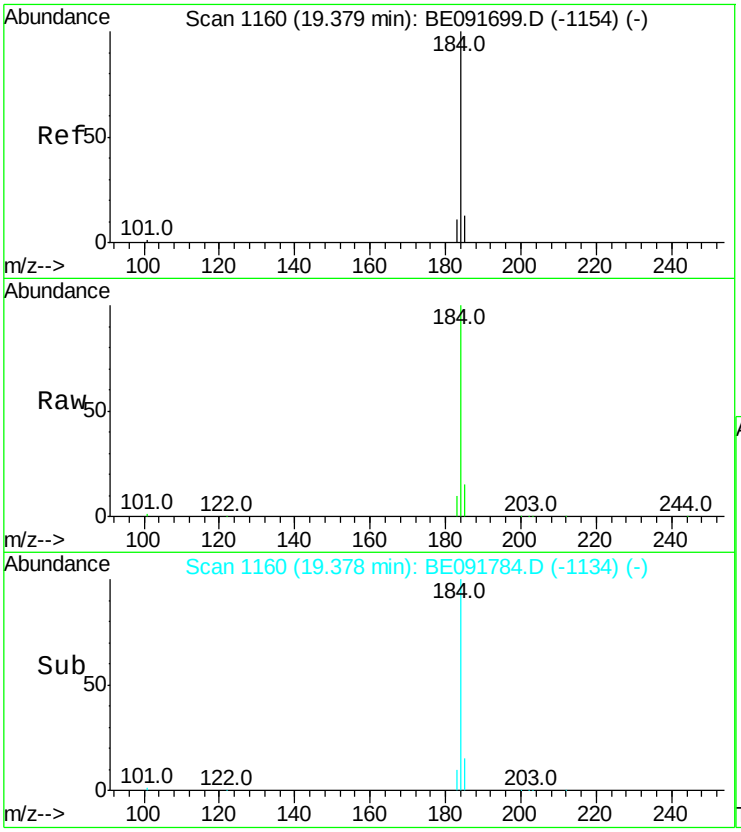


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:240 Resp: 245507

Ion	Ratio	Lower	Upper
240	100		
120	26.5	11.0	16.4#
236	35.9	21.7	32.5#

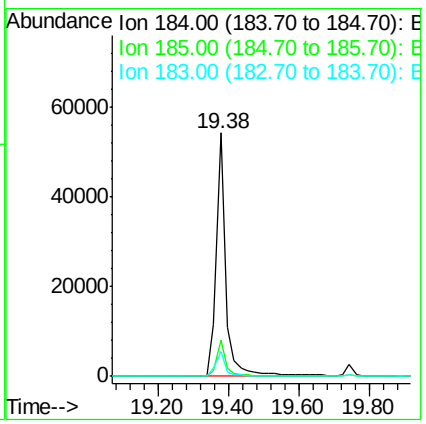




#27
Benzidine
Concen: 5.22 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:184 Resp: 101443

Ion	Ratio	Lower	Upper
184	100		
185	14.9	22.3	33.5#
183	9.9	16.4	24.6#



Instrument :
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ClientSampleId :
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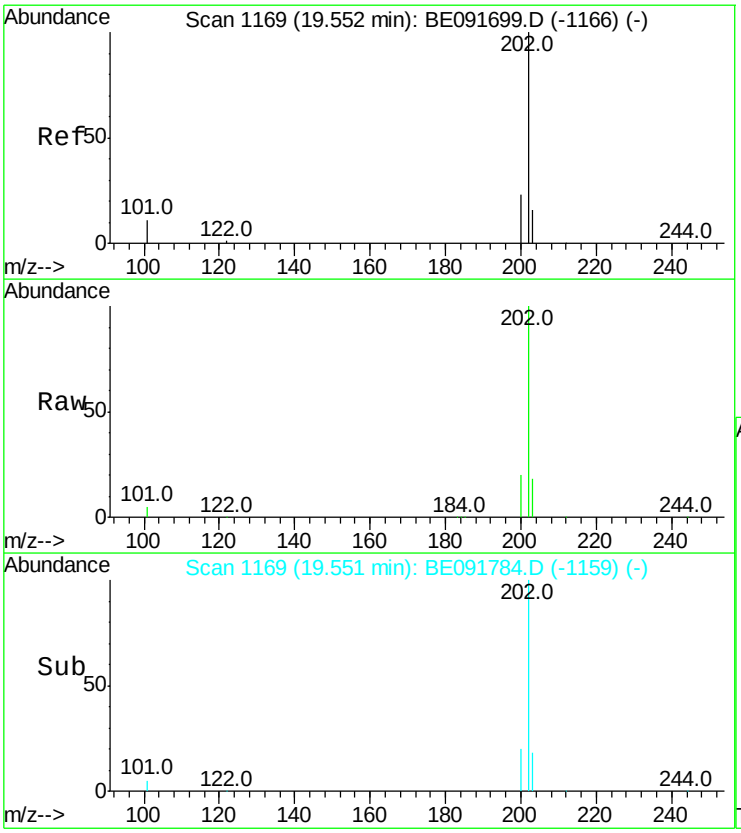
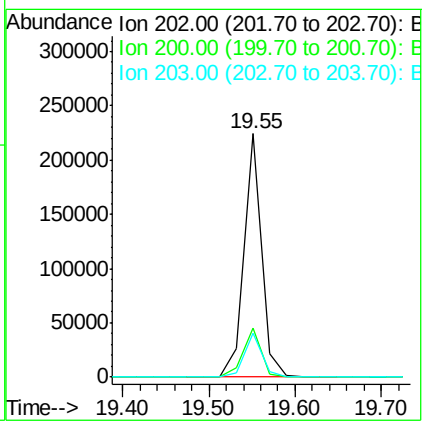
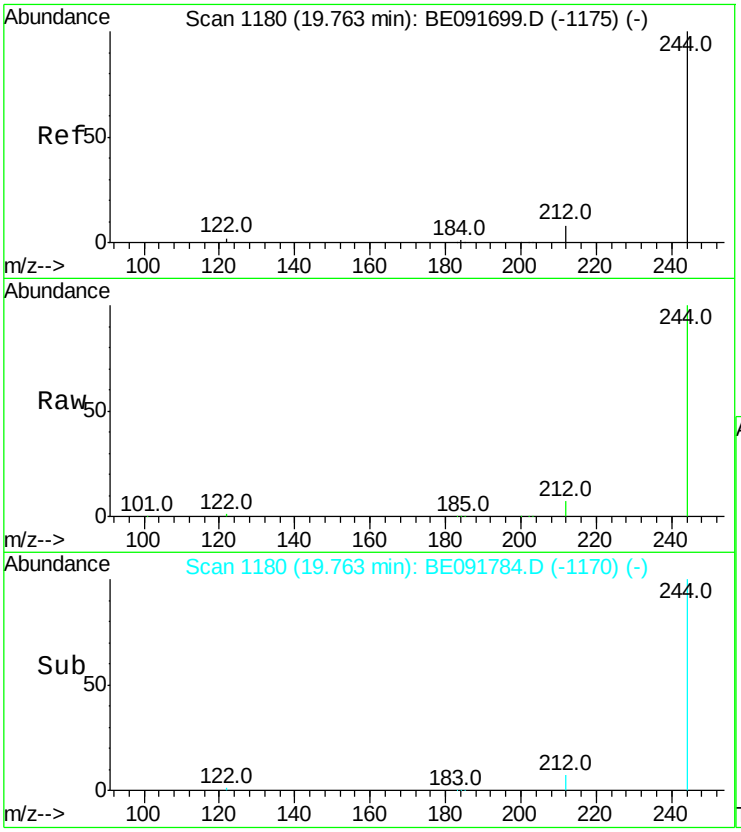


#28
Pyrene
Concen: 5.73 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:202 Resp: 317628

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	18.3	14.0	21.0





#29
Terphenyl-d14
Concen: 4.73 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:244 Resp: 180996

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.9	10.3#
122	0.8	11.0	16.4#

Instrument :
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ClientSampleId :
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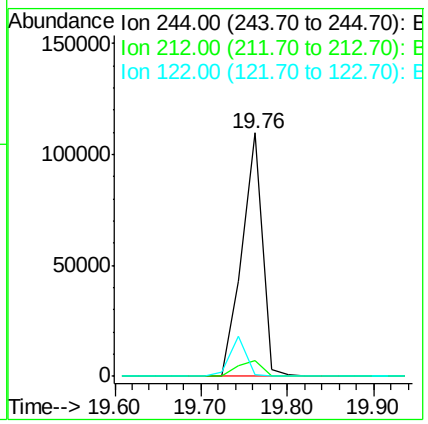
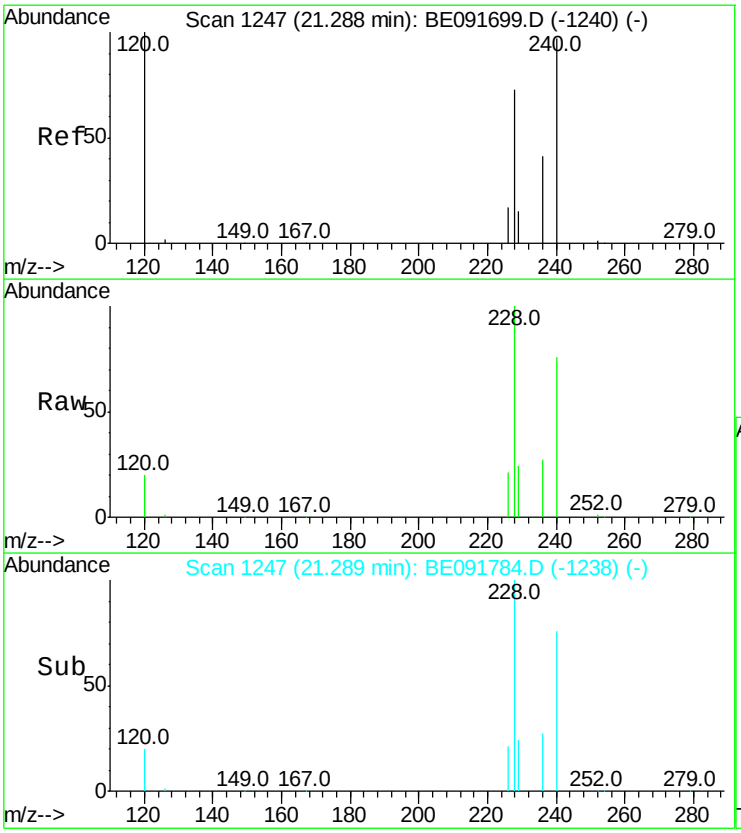
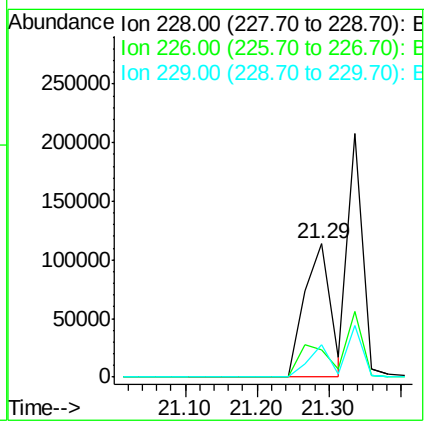


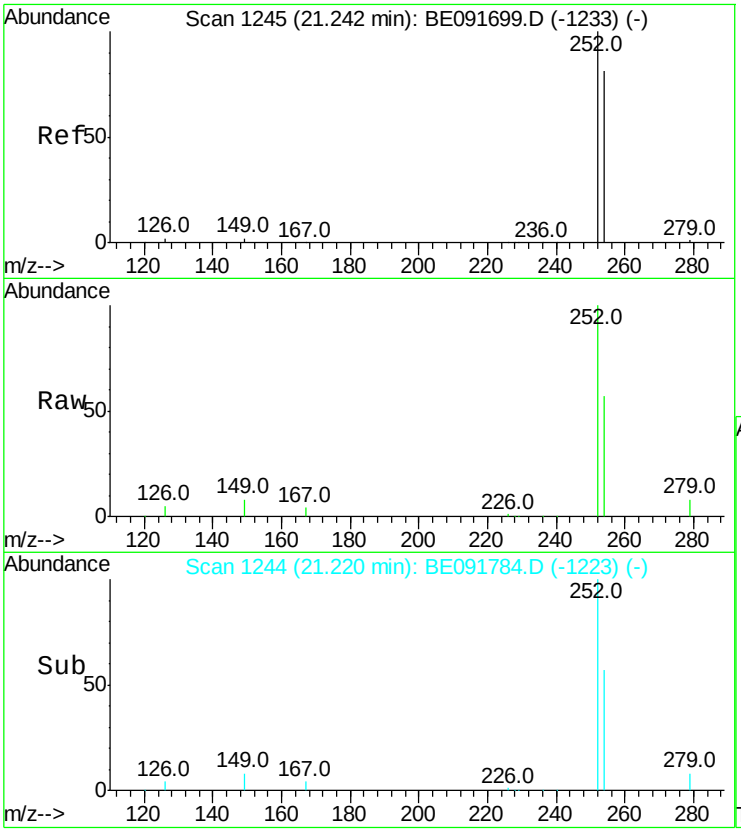


#30
Benzo(a)anthracene
Concen: 4.71 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:228 Resp: 282642

Ion	Ratio	Lower	Upper
228	100		
226	20.6	21.0	31.4#
229	24.2	15.7	23.5#





#31
3,3'-Dichlorobenzidine
Concen: 2.71 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:252 Resp: 82935

Ion	Ratio	Lower	Upper
252	100		
254	56.9	51.1	76.7
126	4.5	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
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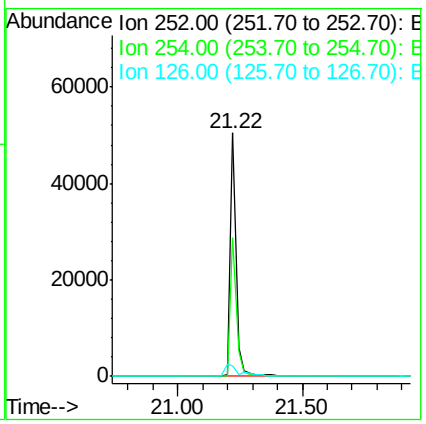
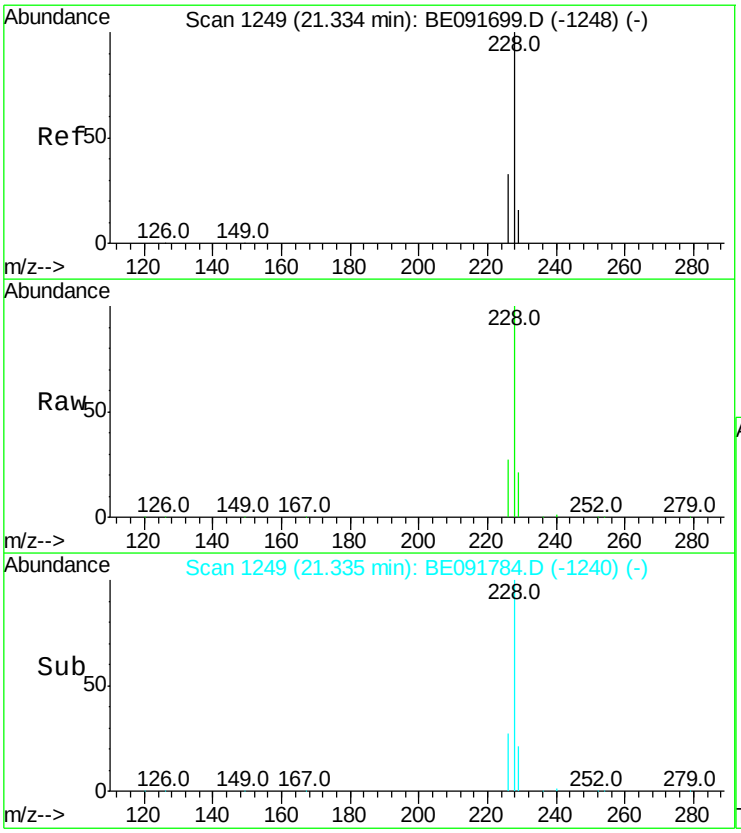
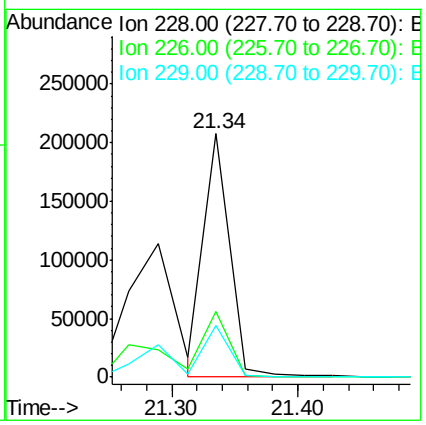


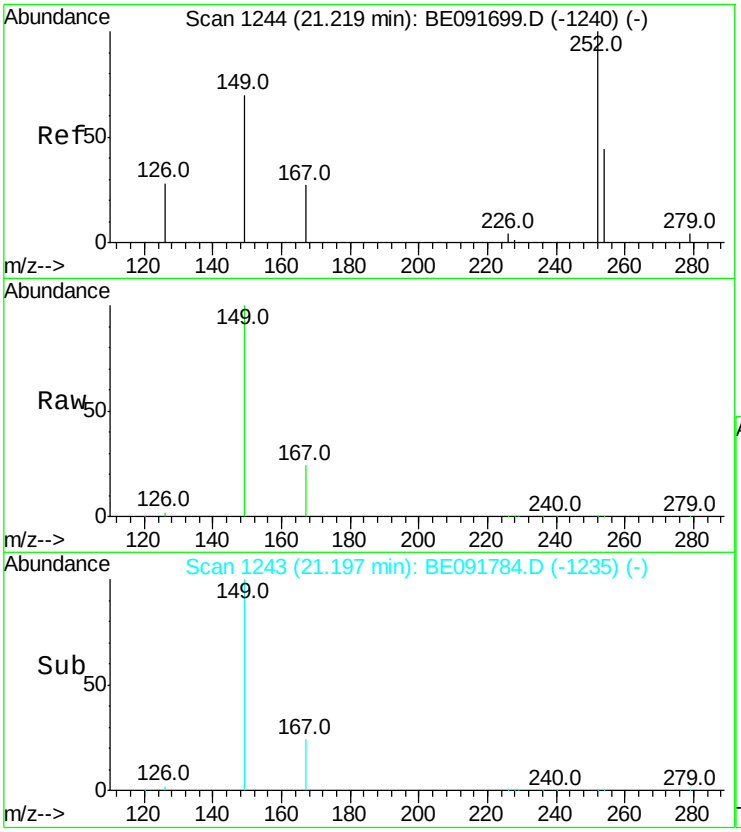


#32
Chrysene
Concen: 4.87 ng m
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:228 Resp: 303582

Ion	Ratio	Lower	Upper
228	100		
226	26.7	24.0	36.0
229	21.1	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 10.34 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:149 Resp: 187855

Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.5	29.3
279	0.0	10.0	15.0#

Instrument :
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ClientSampleId :
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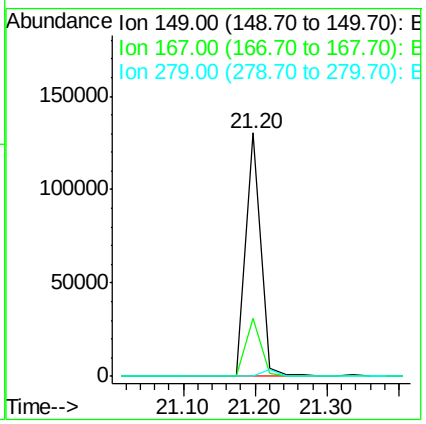
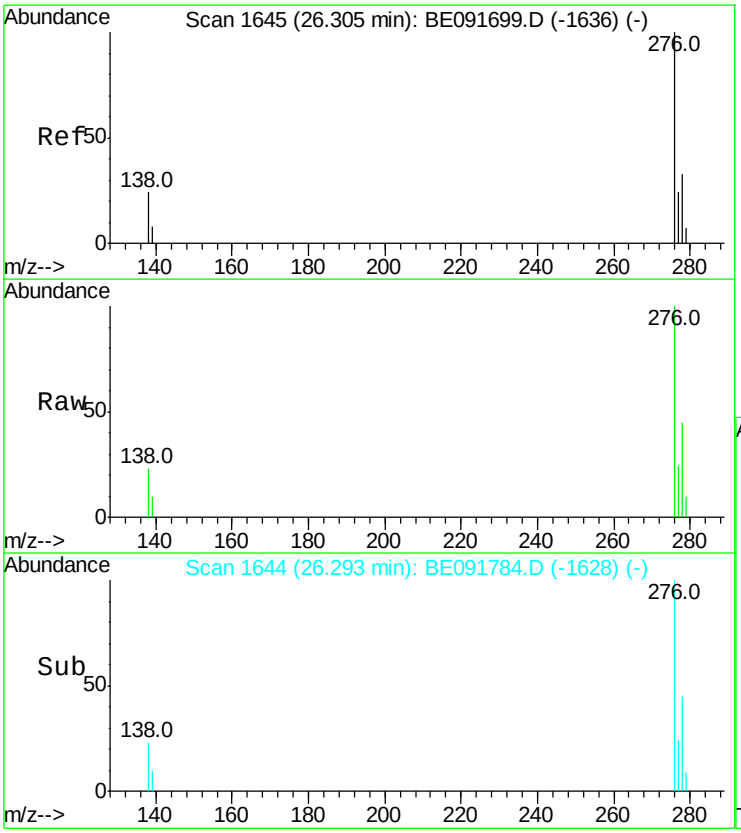
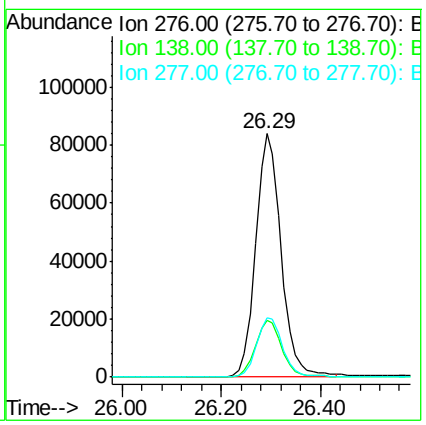


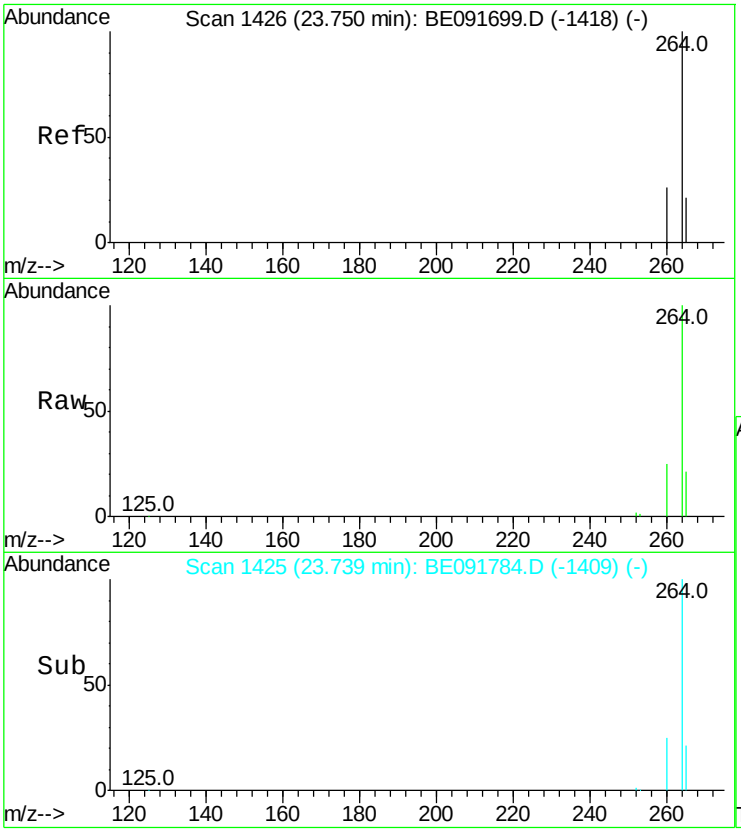


#34
Indeno(1,2,3-cd)pyrene
Concen: 5.43 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:276 Resp: 301370

Ion	Ratio	Lower	Upper
276	100		
138	24.2	23.4	35.2
277	24.8	19.8	29.8

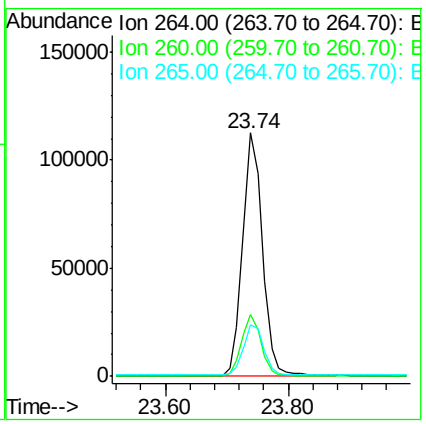




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:264 Resp: 259187

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.0	30.0
265	21.4	17.5	26.3



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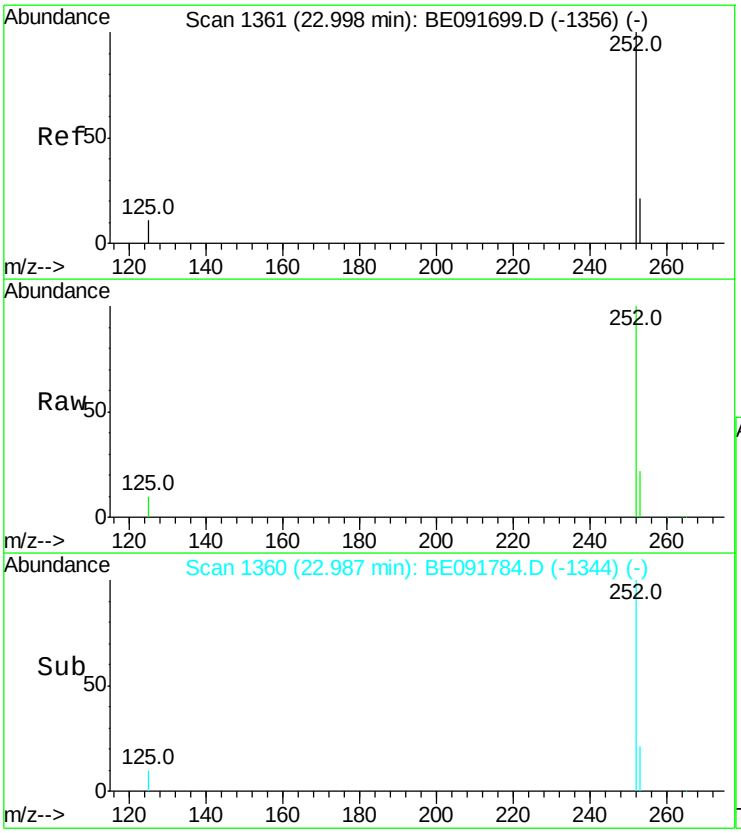
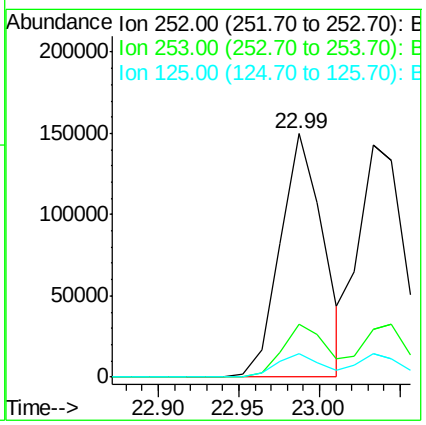
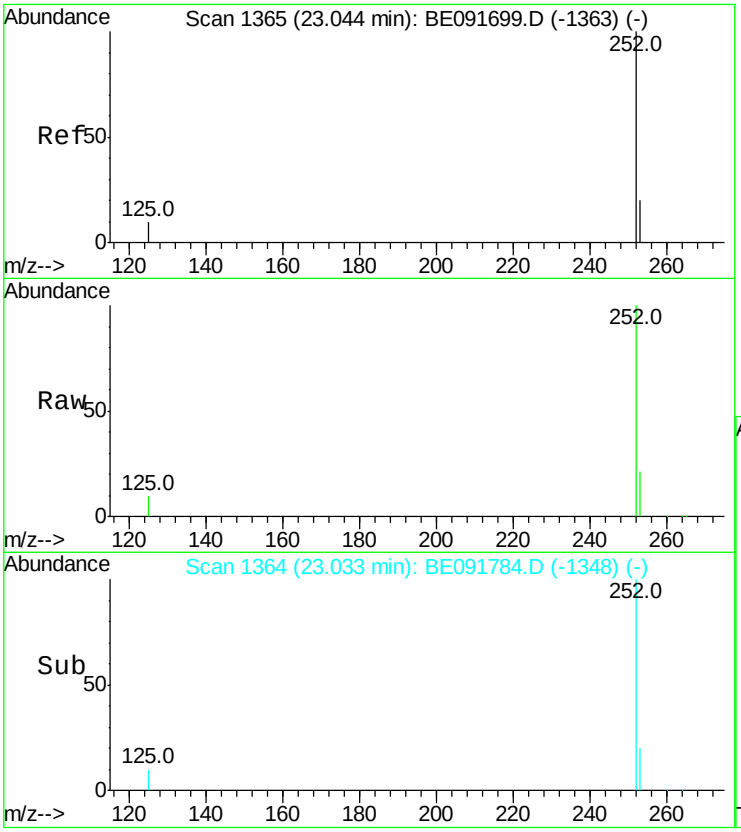


#36
Benzo(b)fluoranthene
Concen: 4.58 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:252 Resp: 278064

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	9.7	10.2	15.2#





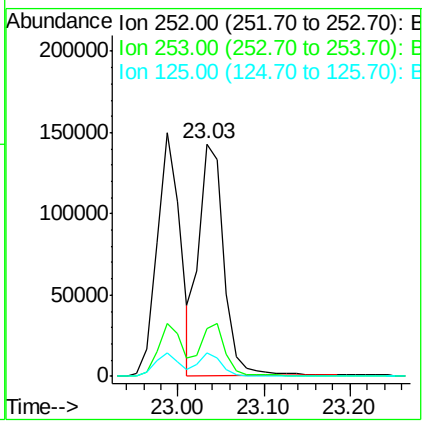
#37
Benzo(k)fluoranthene
Concen: 4.63 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

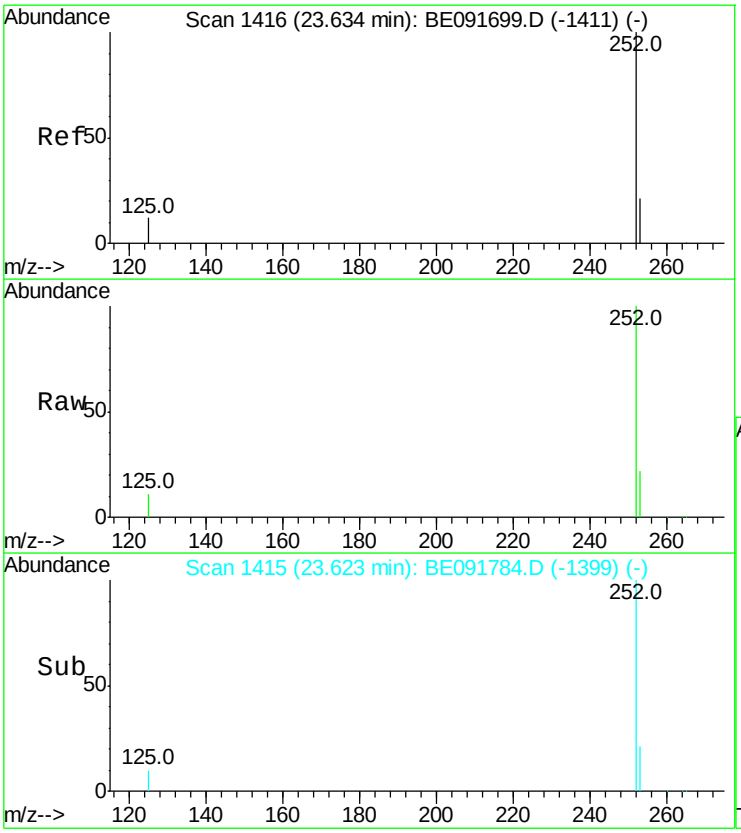
Tgt Ion:252 Resp: 285662

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	9.9	9.9	14.9

Instrument :
BNA_E
ClientSampleId :
PB90599BS

Manual Integrations APPROVED
umangi
5/17/2016 7:17:52 PM

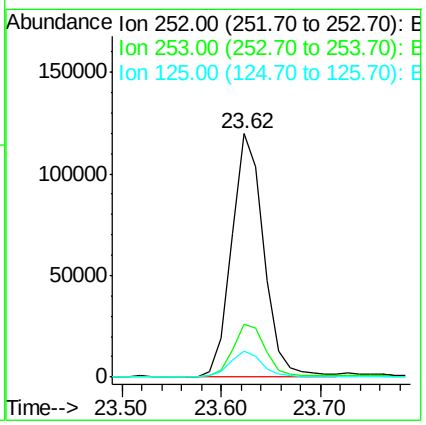


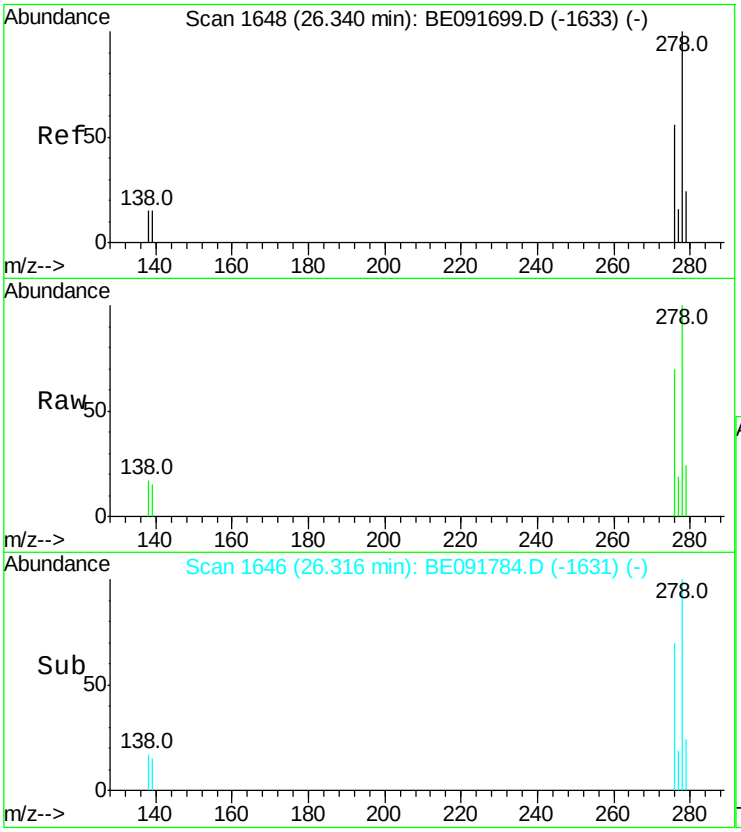


#38
Benzo(a)pyrene
Concen: 4.67 ng
RT: 23.62 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:252 Resp: 267264

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	10.6	11.0	16.4#

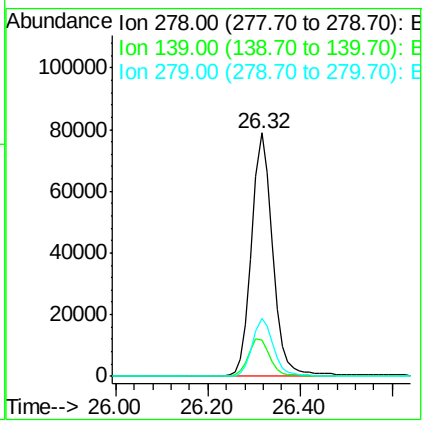




#39
Dibenzo(a,h)anthracene
Concen: 4.64 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.02 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

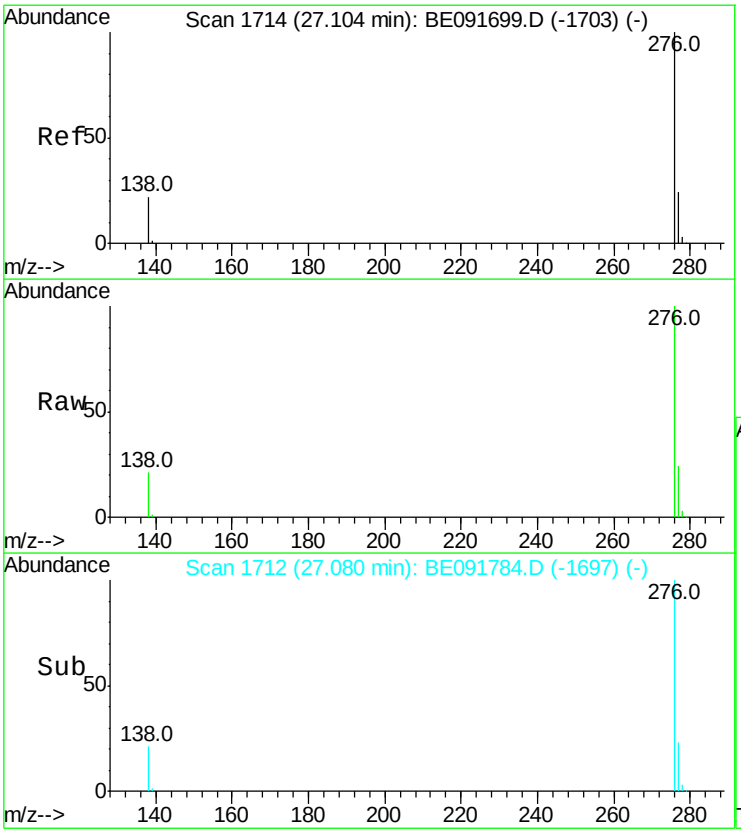
Tgt Ion:278 Resp: 251278

Ion	Ratio	Lower	Upper
278	100		
139	15.2	16.0	24.0#
279	23.9	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
PB90599BS

Manual Integrations APPROVED
umangi
5/17/2016 7:17:52 PM



#40
Benzo(g,h,i)perylene
Concen: 4.64 ng
RT: 27.08 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE091784.D
Acq: 16 May 2016 21:35

Tgt Ion:276 Resp: 255791

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	20.9	20.4	30.6