Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041116\
Data File : BE091634.D
Acq On : 11 Apr 2016 18:41
Operator : UM/SJ
Sample : PB89409BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB89409BS

Manual Integrations APPROVED
Sohil
4/12/2016 5:32:43 PM

Quant Time: Apr 12 02:30:51 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	150164	5.00	ng		-0.02
7) Naphthalene-d8	10.57	136	769779	5.00	ng		-0.02
13) Acenaphthene-d10	14.42	164	456451	5.00	ng		0.00
19) Phenanthrene-d10	17.16	188	1139253	5.00	ng		0.00
26) Chrysene-d12	21.31	240	1282843	5.00	ng		0.00
35) Perylene-d12	23.76	264	1169088	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	184334	5.14	ng		0.00
5) Phenol-d6	6.97	99	323505	6.77	ng		0.00
8) Nitrobenzene-d5	8.96	82	164256	3.67	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	146002	8.72	ng		-0.01
15) 2-Fluorobiphenyl	13.05	172	459093	3.62	ng		0.00
29) Terphenyl-d14	19.76	244	733816	4.58	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	40462	2.42	ng	#	92
3) n-Nitrosodimethylamine	3.64	42	76319	3.31	ng	#	95
6) bis(2-Chloroethyl)ether	7.23	93	139531	3.37	ng	#	76
9) Nitrobenzene	8.99	77	175601	3.19	ng	#	92
10) Naphthalene	10.63	128	494093	3.11	ng		99
11) Hexachlorobutadiene	10.92	225	76071	3.26	ng		99
12) 2-Methylnaphthalene	12.24	142	372609	3.68	ng		99
16) Acenaphthylene	14.14	152	704319	3.98	ng	#	86
17) Acenaphthene	14.49	154	456840	4.08	ng		99
18) Fluorene	15.46	166	536743	3.83	ng		98
20) 4-Bromophenyl-phenylether	16.34	248	156170	3.89	ng		96
21) Hexachlorobenzene	16.46	284	155415	3.73	ng		97
22) Pentachlorophenol	16.79	266	196754	9.01	ng	#	85
23) Phenanthrene	17.19	178	959620	3.69	ng		99
24) Anthracene	17.29	178	956447	4.15	ng		98
25) Fluoranthene	19.21	202	1114599	4.05	ng		97
27) Benzidine	19.38	184	578906	4.63	ng	#	76
28) Pyrene	19.55	202	1199338	4.67	ng		98
30) Benzo(a)anthracene	21.29	228	1240727m	4.32	ng		
31) 3,3'-Dichlorobenzidine	21.24	252	275971	1.45	ng	#	74
32) Chrysene	21.34	228	983851m	3.78	ng		
33) Bis(2-ethylhexyl)phthalate	21.22	149	581884	3.04	ng	#	80
34) Indeno(1,2,3-cd)pyrene	26.33	276	1300365	4.48	ng		97
36) Benzo(b)fluoranthene	23.01	252	1250415m	4.61	ng		
37) Benzo(k)fluoranthene	23.06	252	1104943	4.13	ng		97
38) Benzo(a)pyrene	23.65	252	1139869	4.52	ng		97
39) Dibenzo(a,h)anthracene	26.35	278	1097485	4.42	ng		96
40) Benzo(g,h,i)perylene	27.11	276	1122567	4.39	ng		97

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

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Manual Integrations APPROVED
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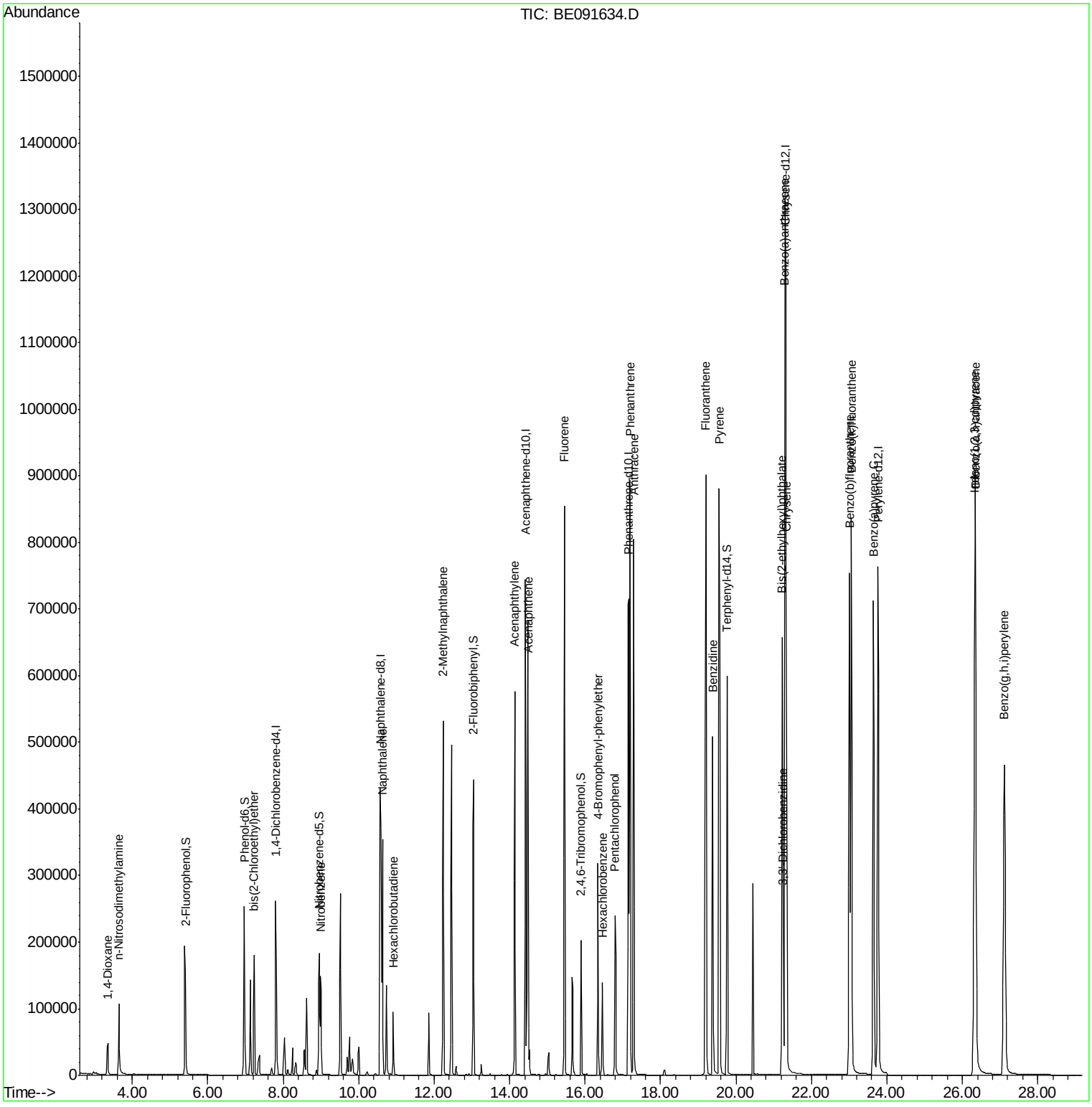
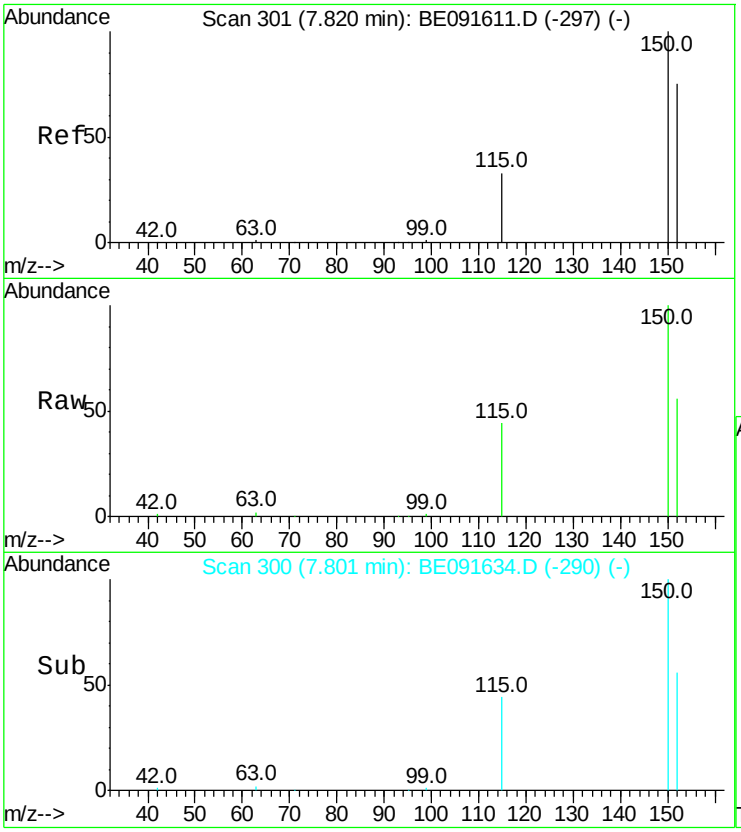
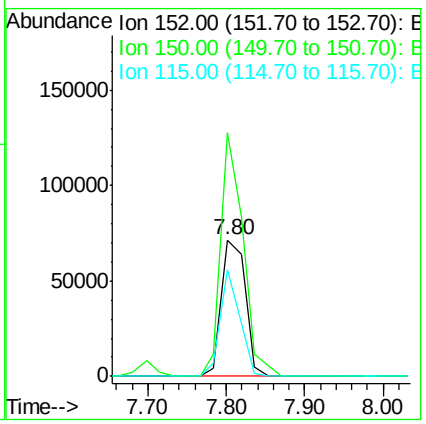




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.02 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:152 Resp: 150164

Ion	Ratio	Lower	Upper
152	100		
150	178.8	122.6	183.8
115	78.6	52.8	79.2



Instrument :
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ClientSampleId :
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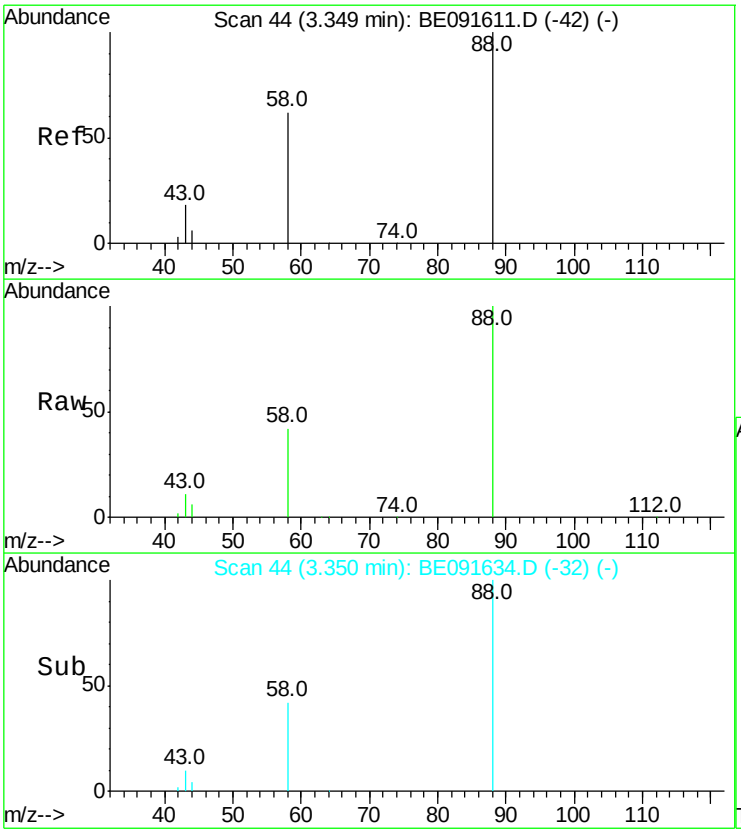
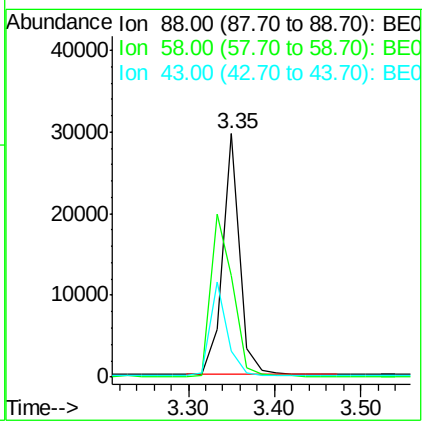
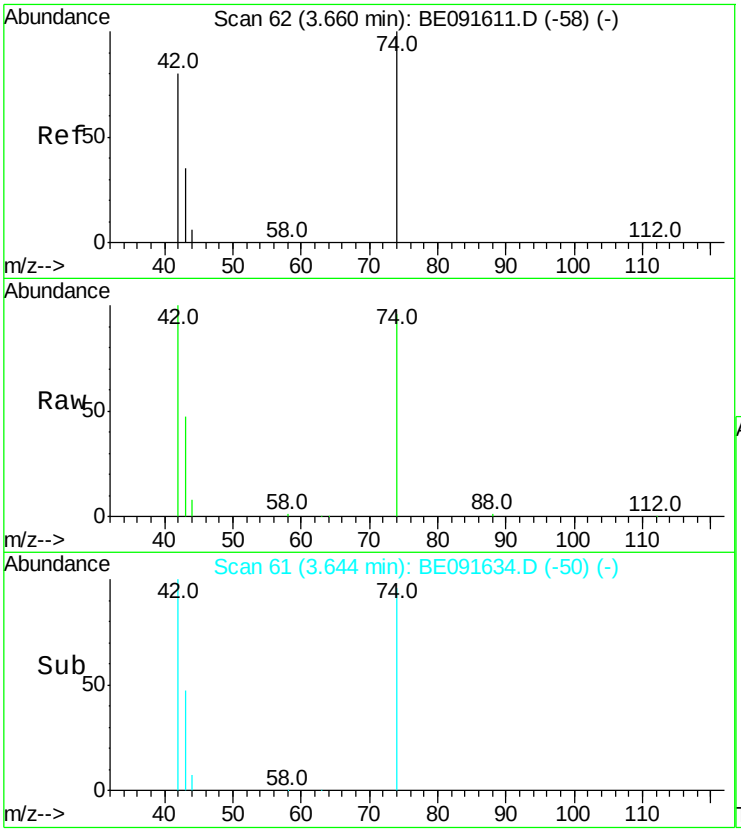


#2
1,4-Dioxane
Concen: 2.42 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion: 88 Resp: 40462

Ion	Ratio	Lower	Upper
88	100		
58	86.9	65.8	98.6
43	39.3	25.3	37.9#

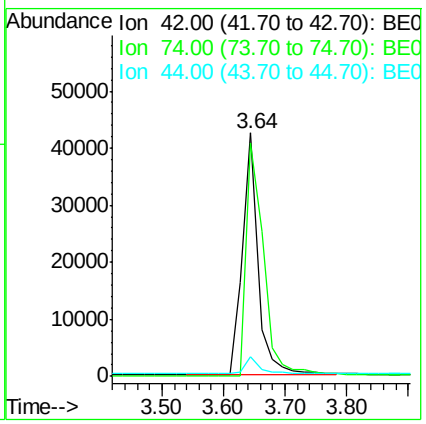




#3
n-Nitrosodimethylamine
Concen: 3.31 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.02 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion: 42 Resp: 76319

Ion	Ratio	Lower	Upper
42	100		
74	104.9	87.9	131.9
44	6.0	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
PB89409BS

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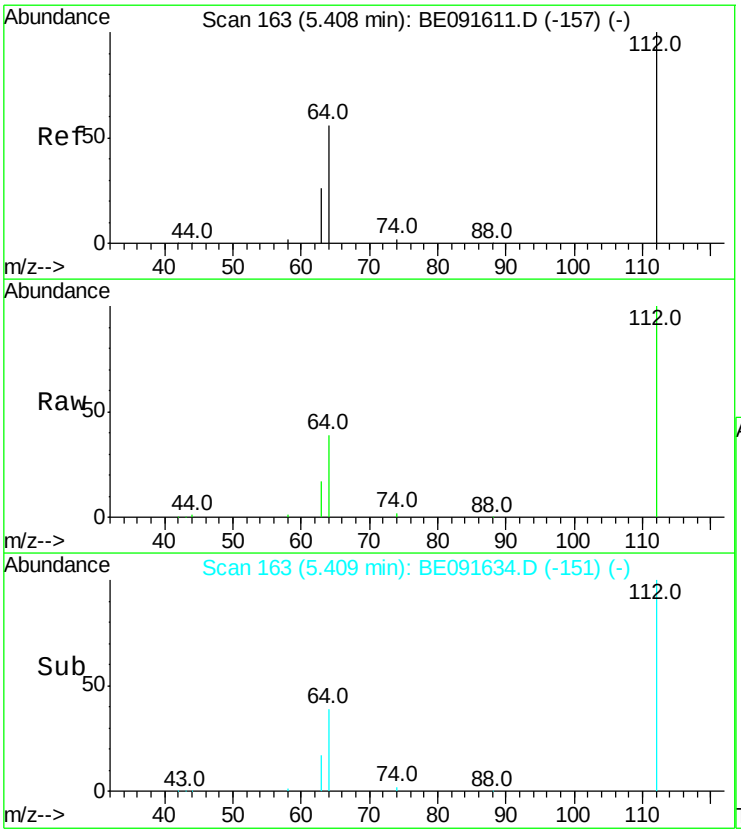
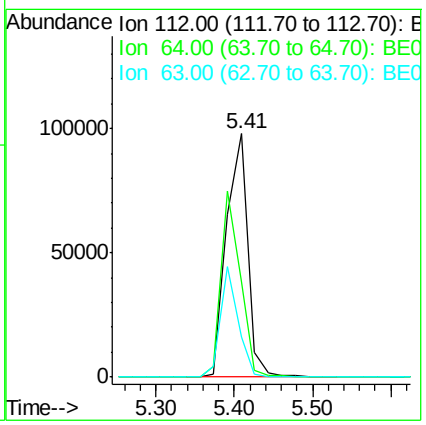
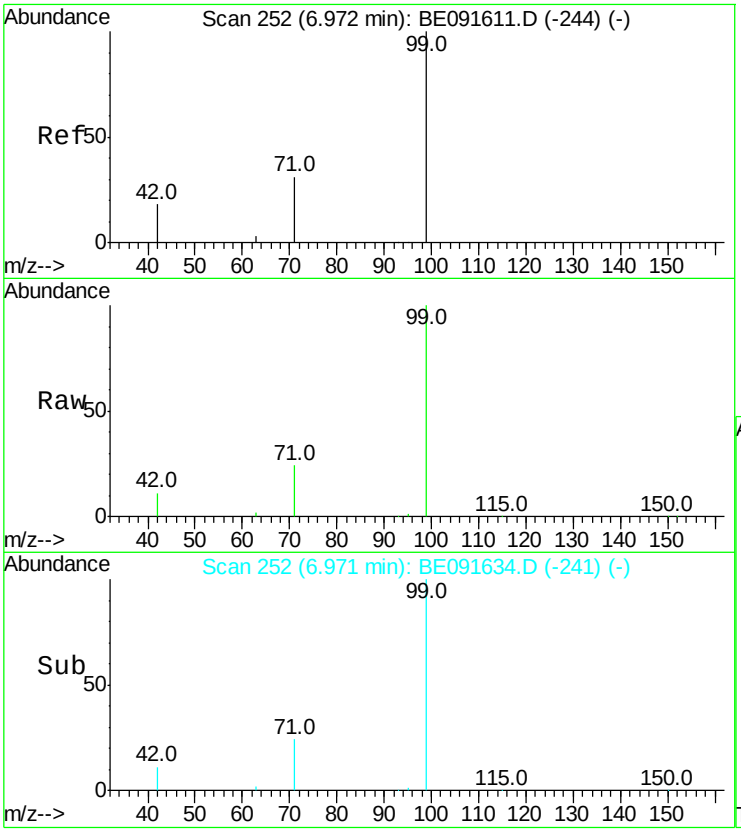


#4
2-Fluorophenol
Concen: 5.14 ng
RT: 5.41 min Scan# 163
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:112 Resp: 184334

Ion	Ratio	Lower	Upper
112	100		
64	68.8	30.9	46.3#
63	37.6	16.7	25.1#





#5
Phenol-d6
Concen: 6.77 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion: 99 Resp: 323505

Ion	Ratio	Lower	Upper
99	100		
42	26.1	16.2	24.2#
71	36.3	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
PB89409BS

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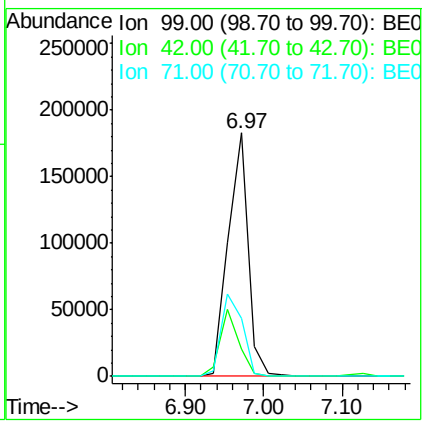
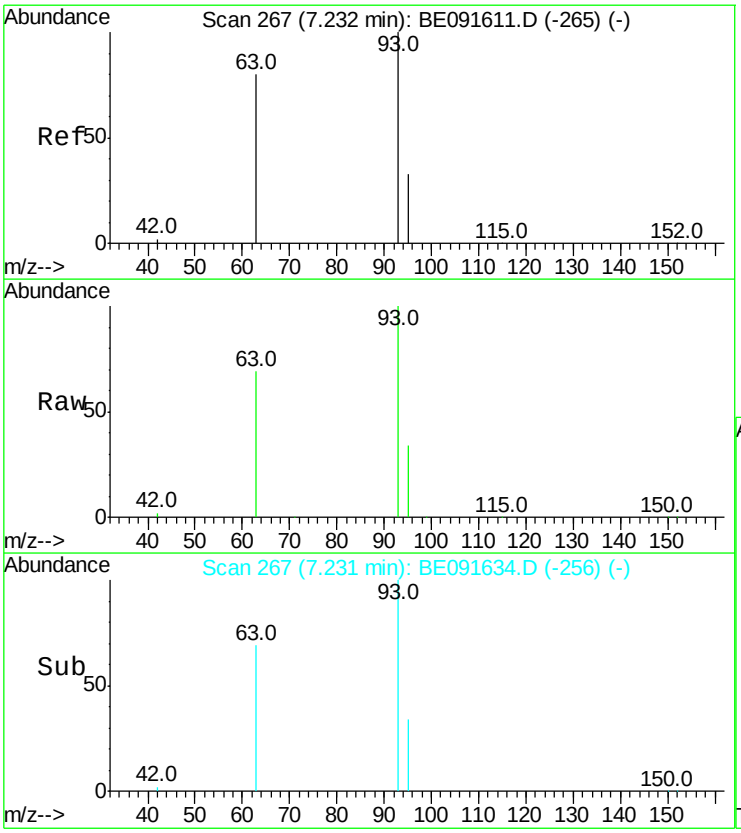
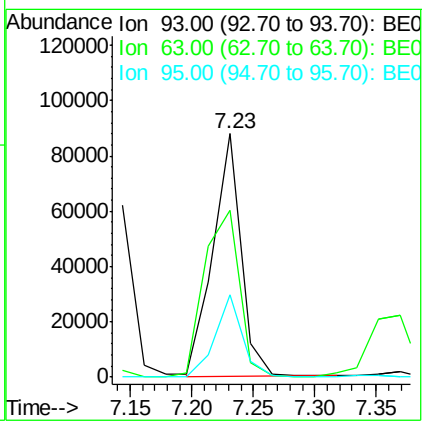


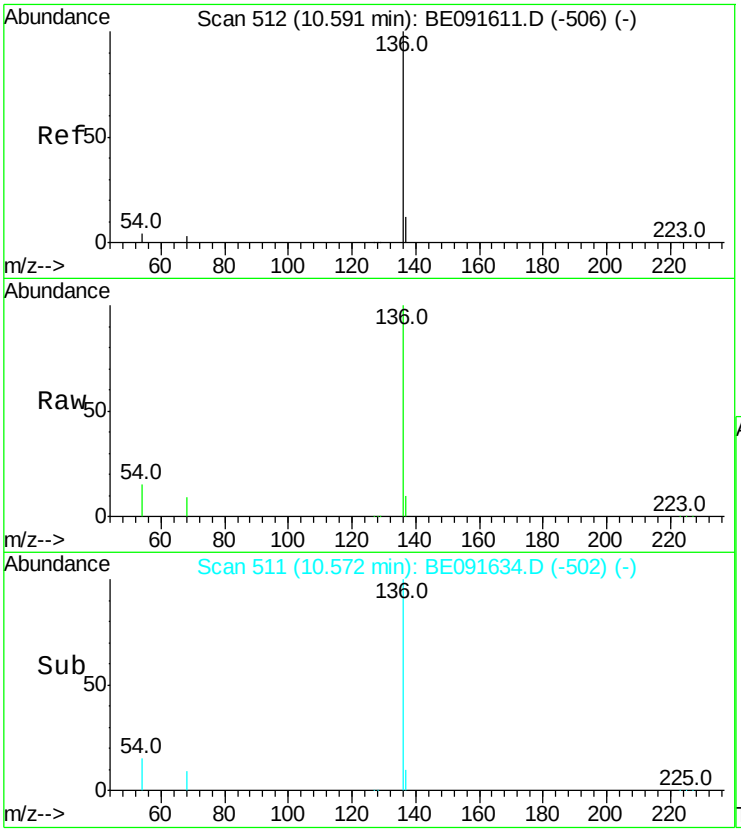


#6
bis(2-Chloroethyl)ether
Concen: 3.37 ng
RT: 7.23 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion: 93 Resp: 139531

Ion	Ratio	Lower	Upper
93	100		
63	85.4	49.5	74.3#
95	32.5	22.2	33.4

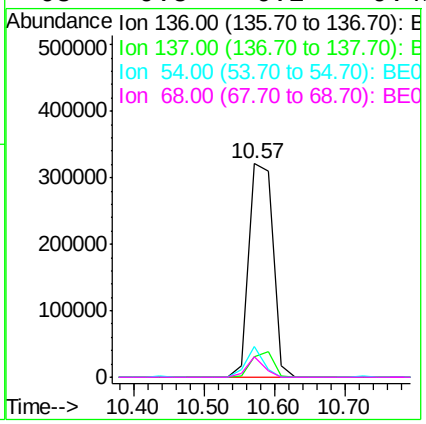




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.02 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:136 Resp: 769779

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.9	13.3
54	14.6	8.2	12.4#
68	9.5	6.2	9.4#



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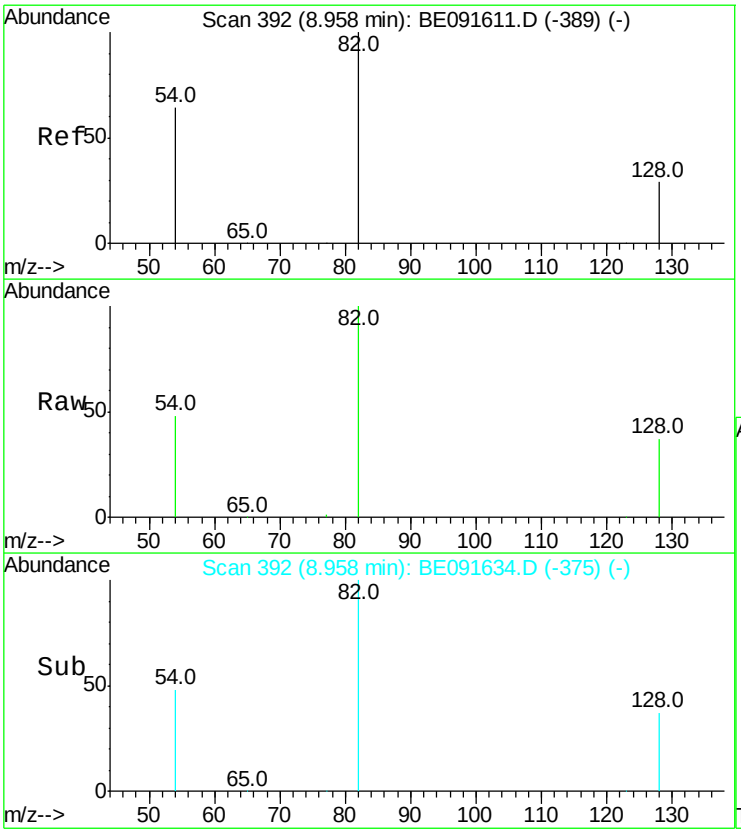
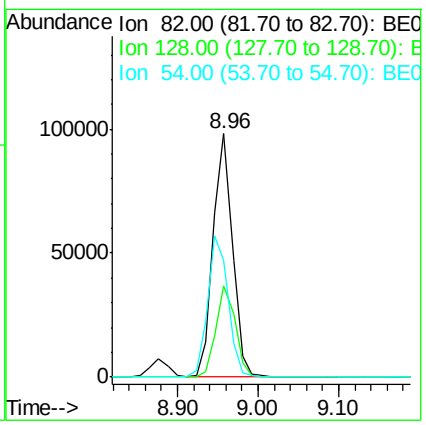
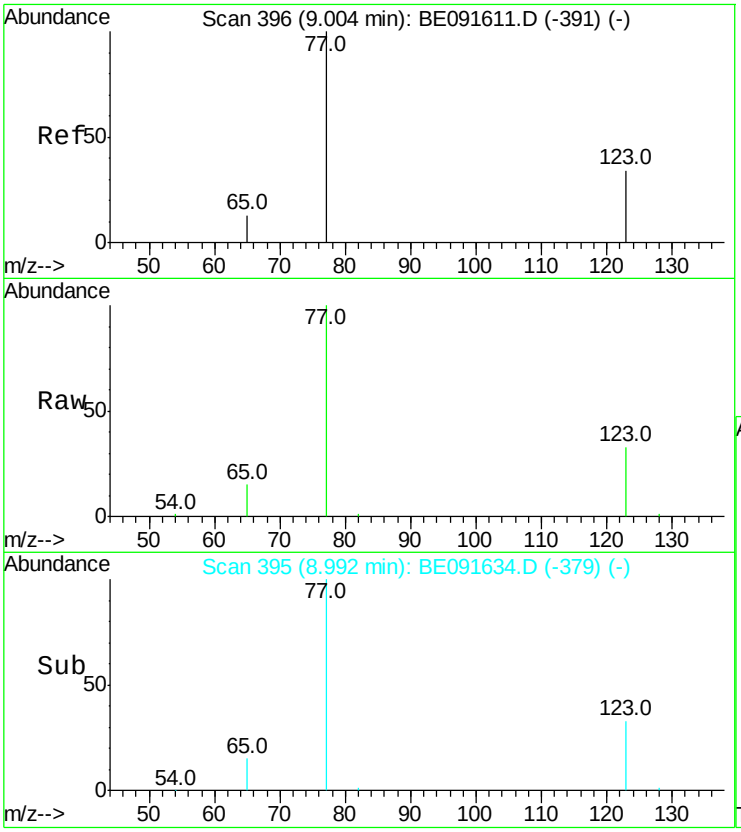


#8
Nitrobenzene-d5
Concen: 3.67 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion: 82 Resp: 164256

Ion	Ratio	Lower	Upper
82	100		
128	37.5	25.4	38.0
54	48.0	48.4	72.6#

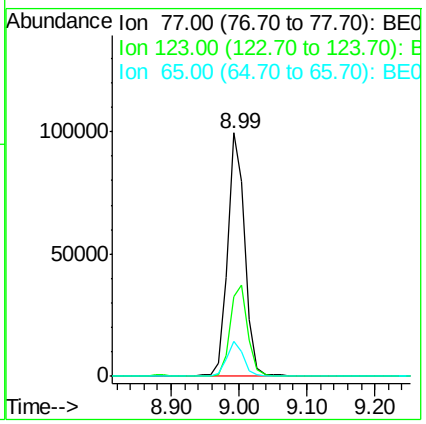




#9
Nitrobenzene
Concen: 3.19 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.01 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion: 77 Resp: 175601

Ion	Ratio	Lower	Upper
77	100		
123	38.7	26.9	40.3
65	14.2	9.4	14.2#



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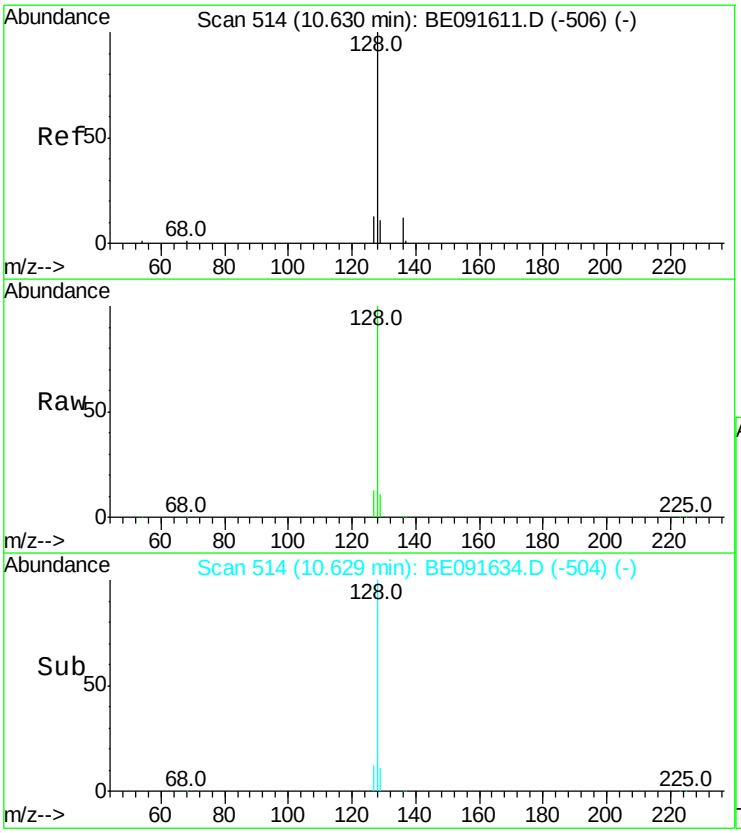
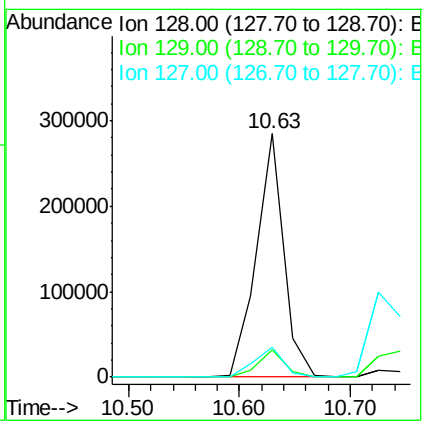
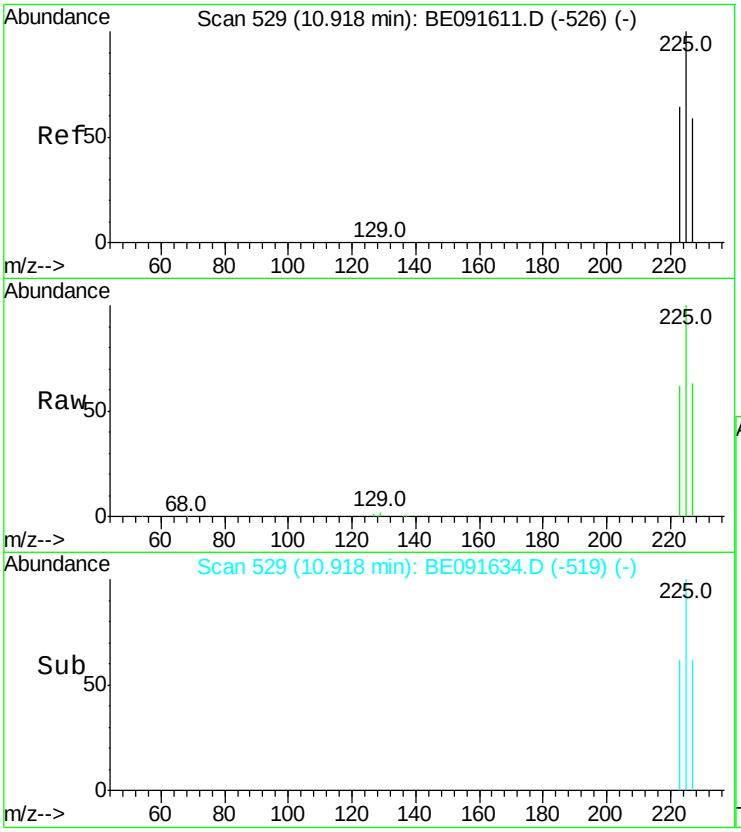


#10
Naphthalene
Concen: 3.11 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:128 Resp: 494093

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	12.5	10.7	16.1

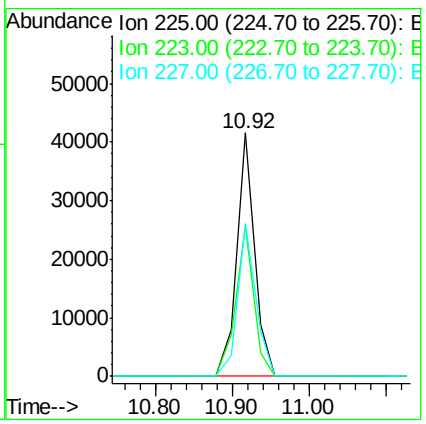




#11
Hexachlorobutadiene
Concen: 3.26 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:225 Resp: 76071

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.0	73.6
227	64.0	50.3	75.5



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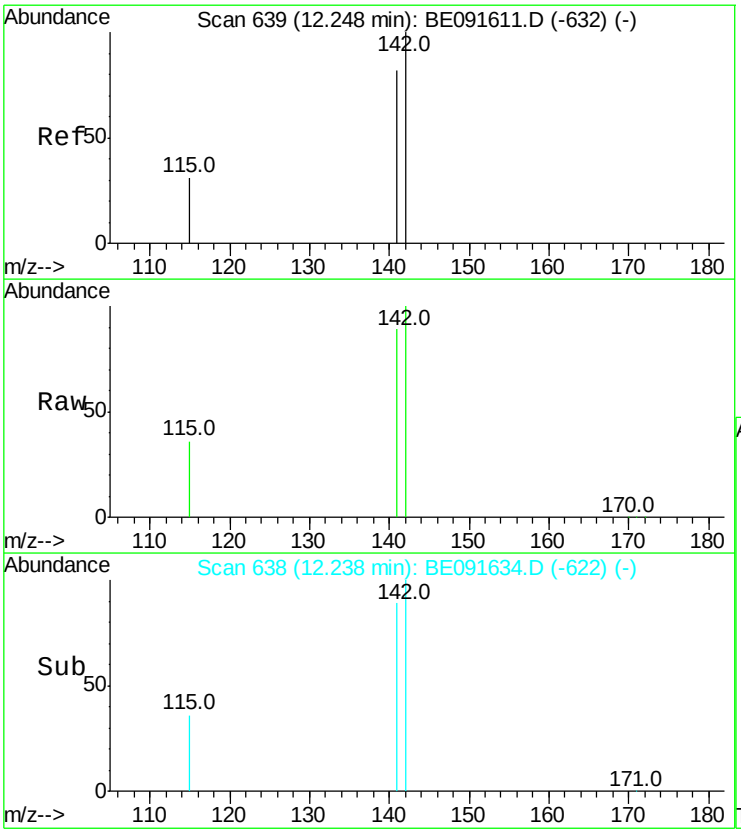
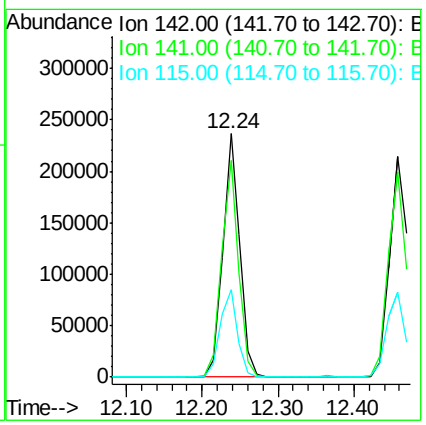
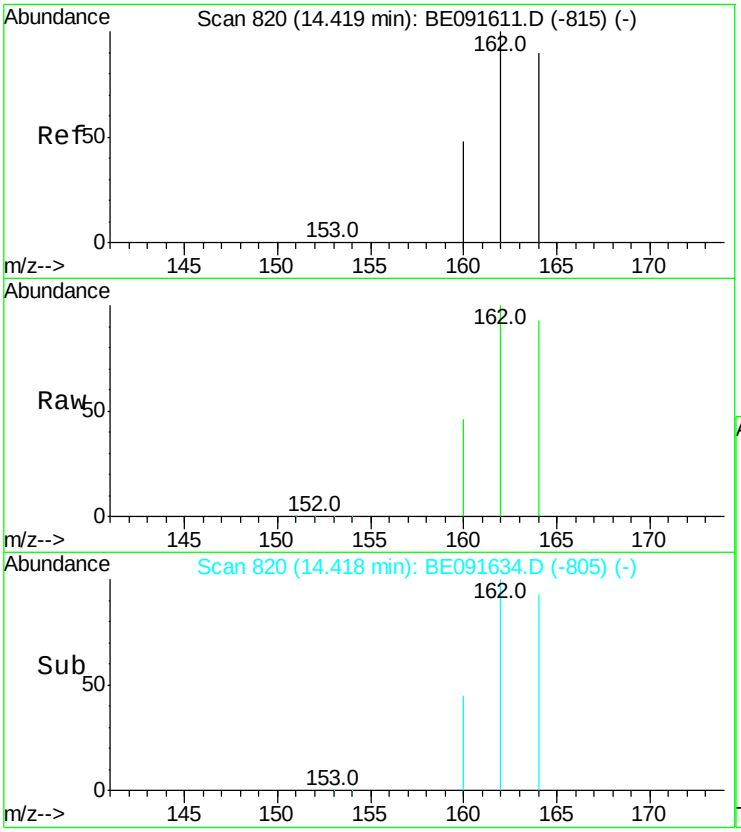


#12
2-Methylnaphthalene
Concen: 3.68 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:142 Resp: 372609

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.0
115	36.0	30.3	45.5

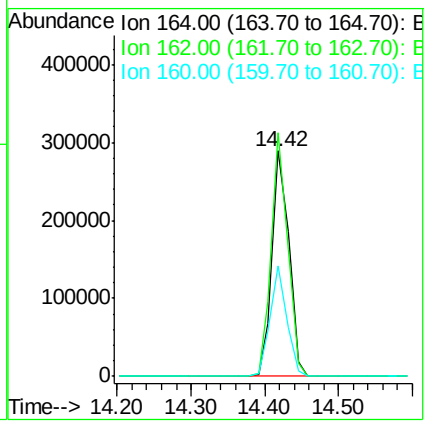




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:164 Resp: 456451

Ion	Ratio	Lower	Upper
164	100		
162	108.0	85.3	127.9
160	49.1	46.2	69.2



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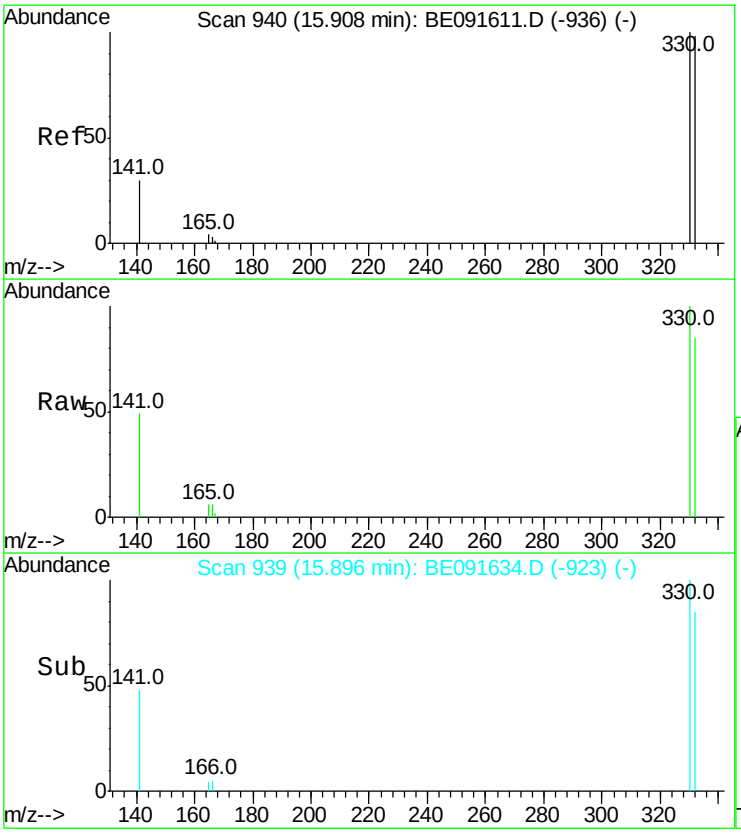
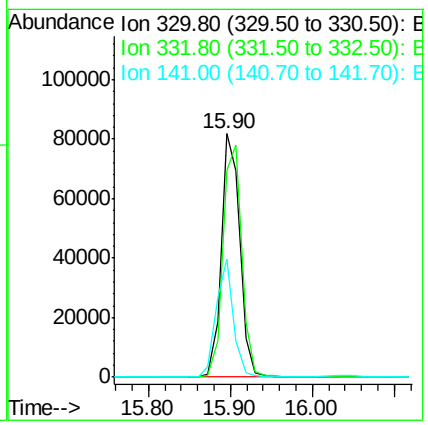
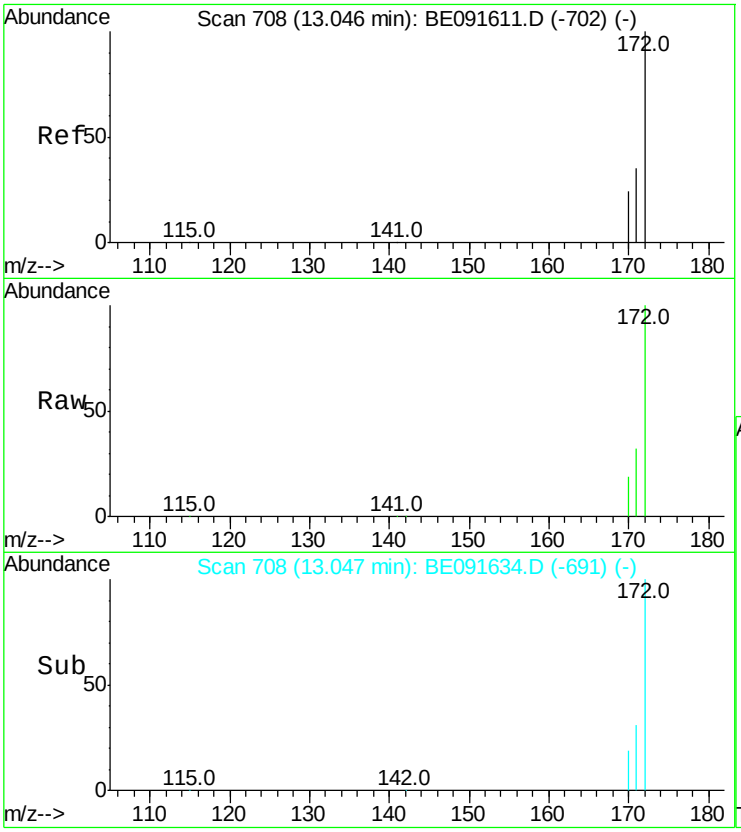


#14
2,4,6-Tribromophenol
Concen: 8.72 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:330 Resp: 146002

Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	40.1	125.4	188.0#

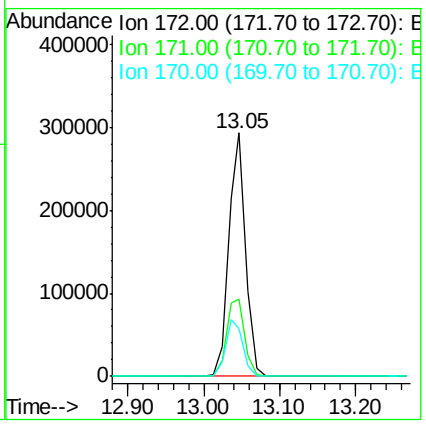




#15
2-Fluorobiphenyl
Concen: 3.62 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:172 Resp: 459093

Ion	Ratio	Lower	Upper
172	100		
171	31.7	28.8	43.2
170	19.4	19.3	28.9



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BNA_E
ClientSampleId :
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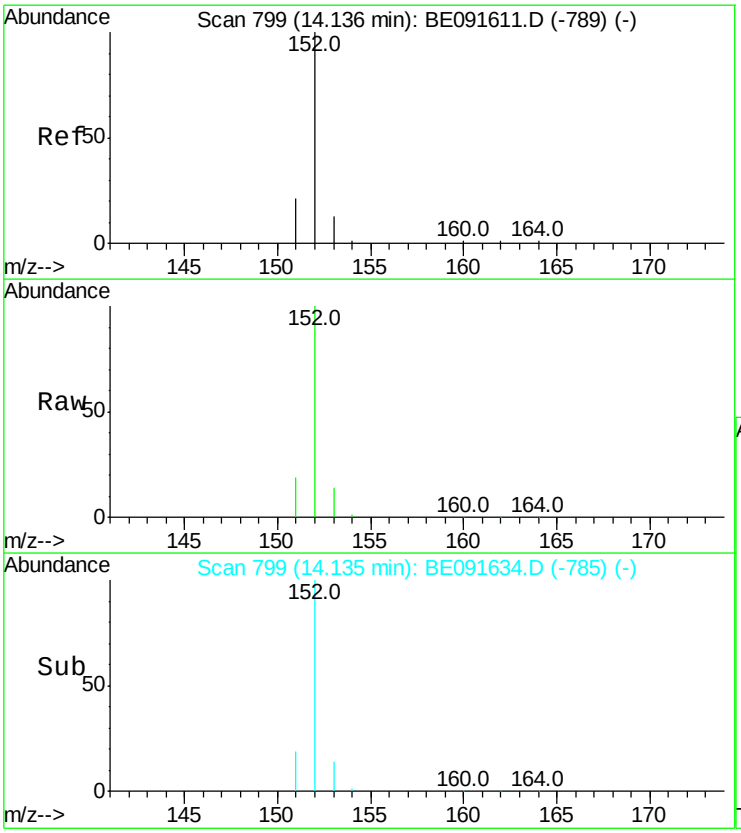
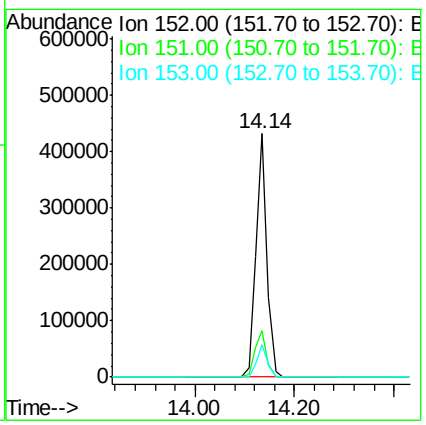
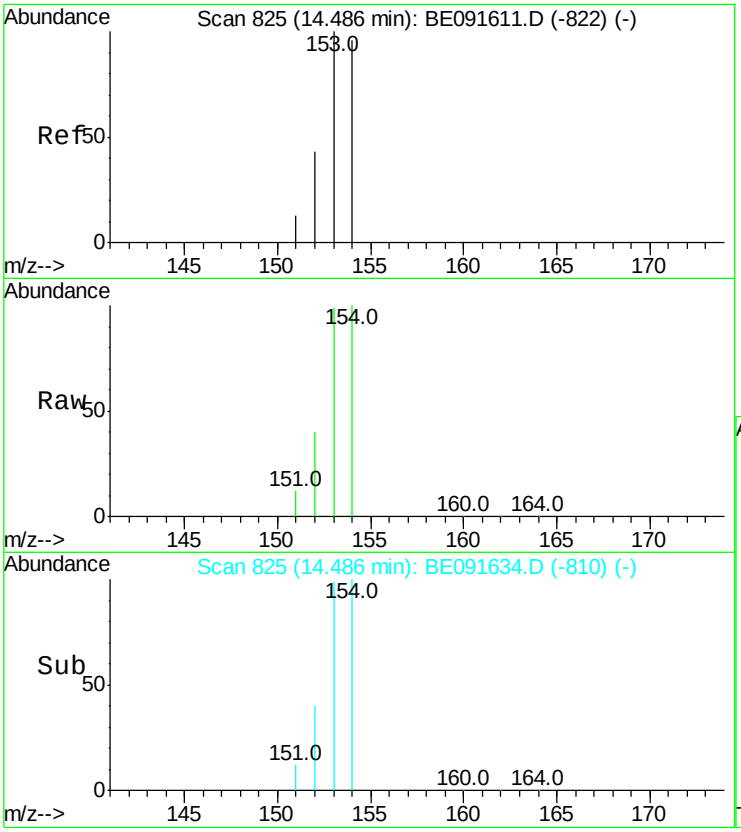


#16
Acenaphthylene
Concen: 3.98 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:152 Resp: 704319

Ion	Ratio	Lower	Upper
152	100		
151	20.4	3.9	5.9#
153	13.4	10.3	15.5

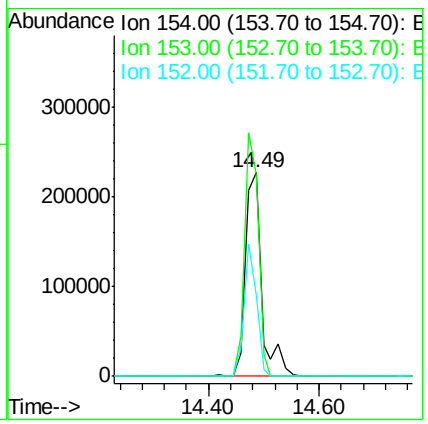




#17
Acenaphthene
Concen: 4.08 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:154 Resp: 456840

Ion	Ratio	Lower	Upper
154	100		
153	100.4	80.0	120.0
152	49.3	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
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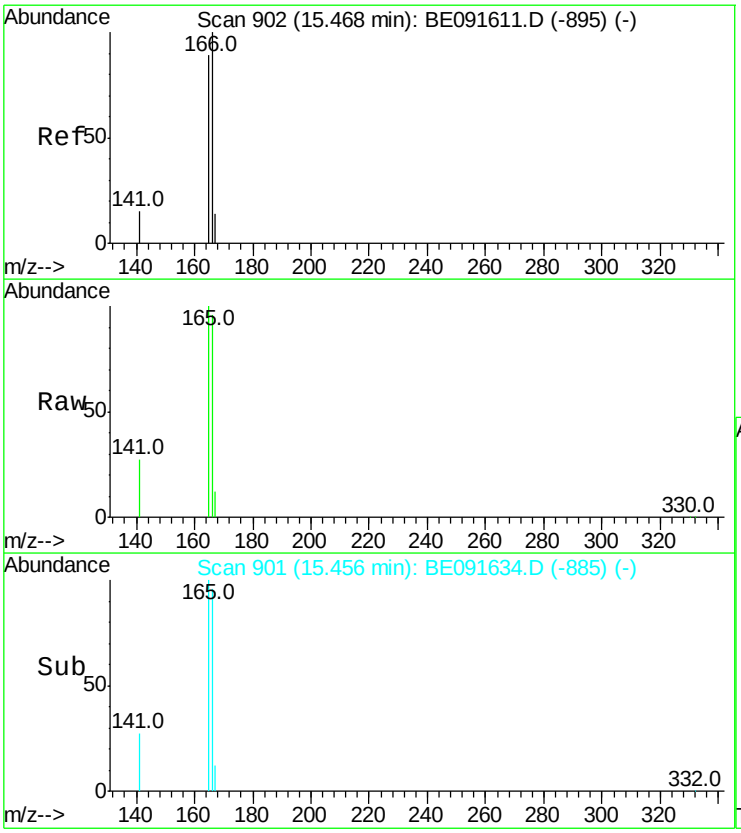
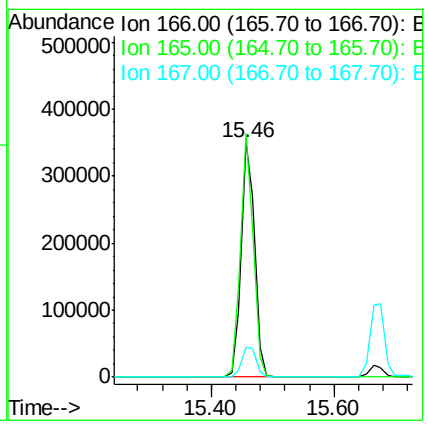
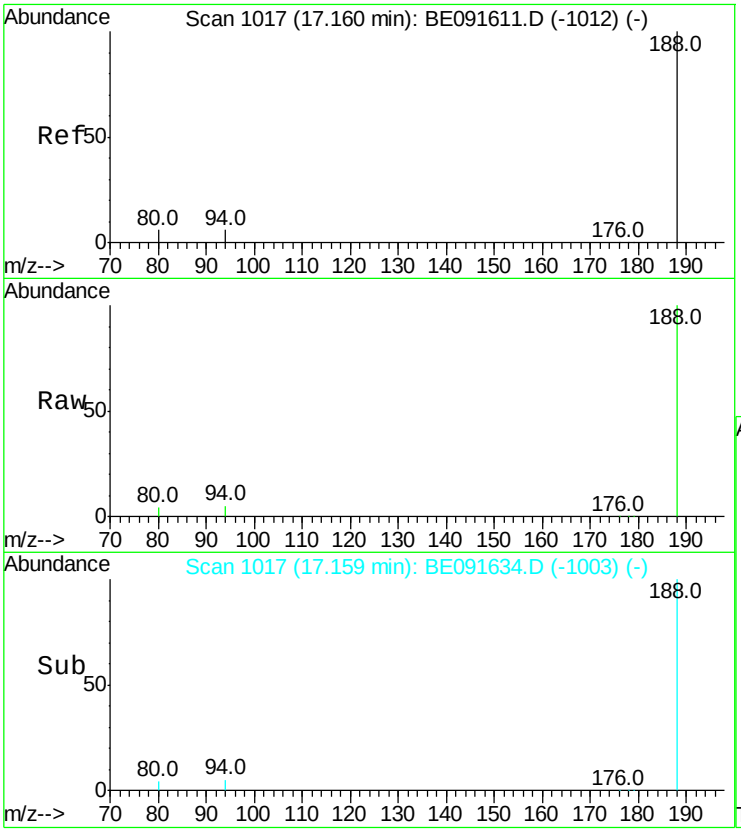


#18
Fluorene
Concen: 3.83 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:166 Resp: 536743

Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.8	121.2
167	13.7	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Instrument :
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ClientSampleId :
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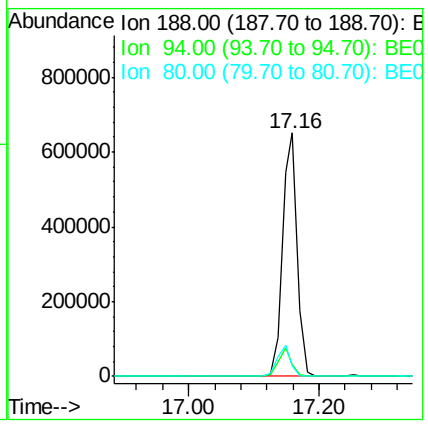
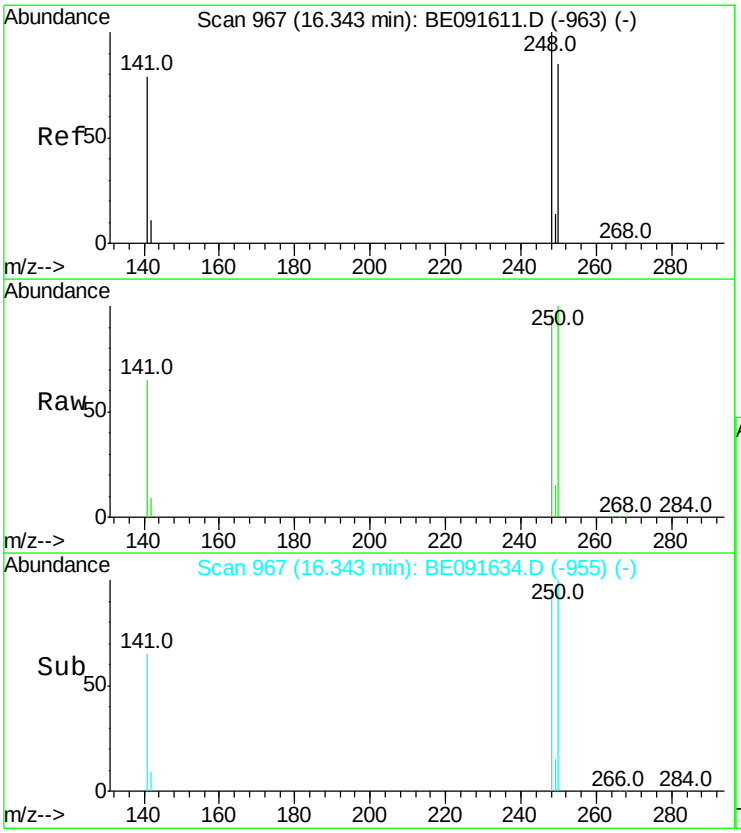
Tgt Ion:188 Resp: 1139253

Ion	Ratio	Lower	Upper
188	100		
94	5.2	8.7	13.1#
80	4.4	9.4	14.0#

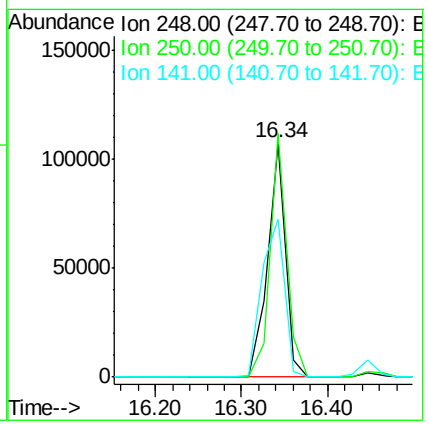


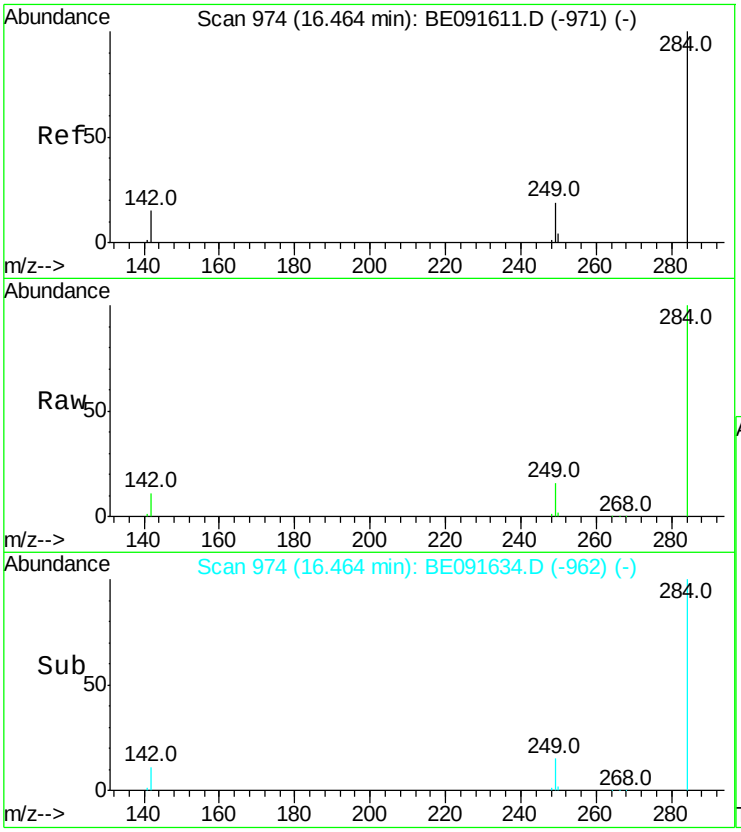


#20
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 16.34 min Scan# 967
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:248 Resp: 156170

Ion	Ratio	Lower	Upper
248	100		
250	97.0	80.5	120.7
141	85.0	72.0	108.0

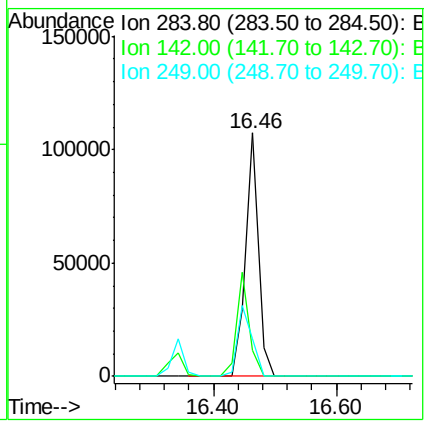




#21
Hexachlorobenzene
Concen: 3.73 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:284 Resp: 155415

Ion	Ratio	Lower	Upper
284	100		
142	42.1	32.2	48.2
249	33.3	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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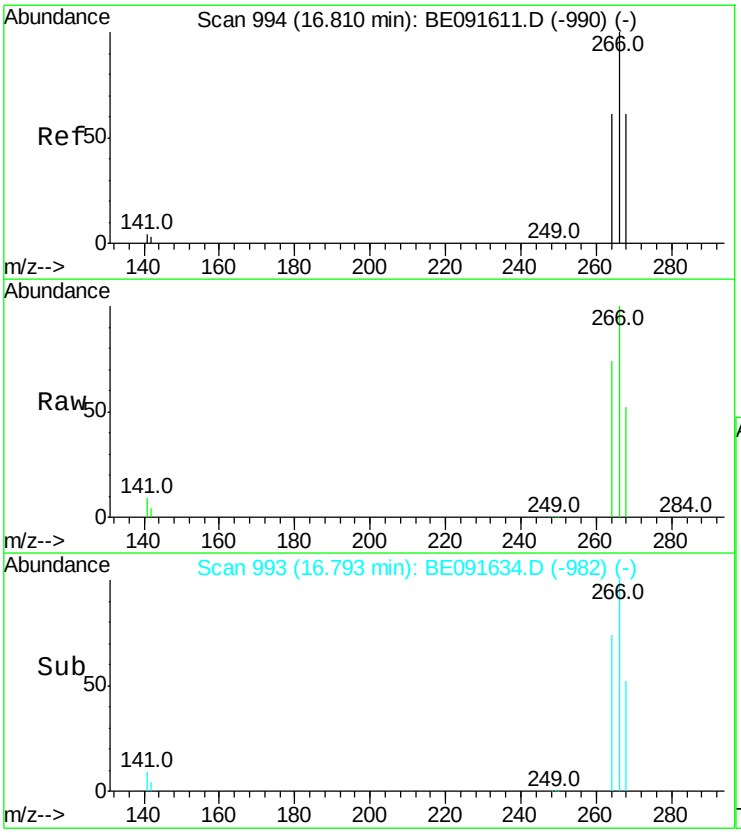
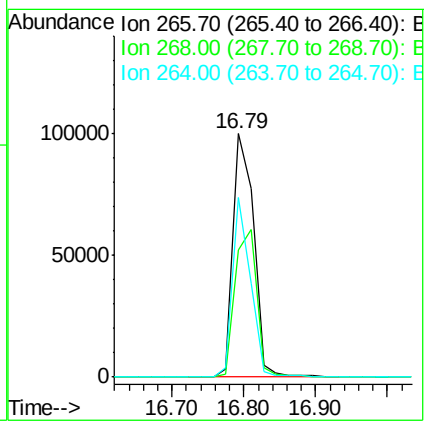
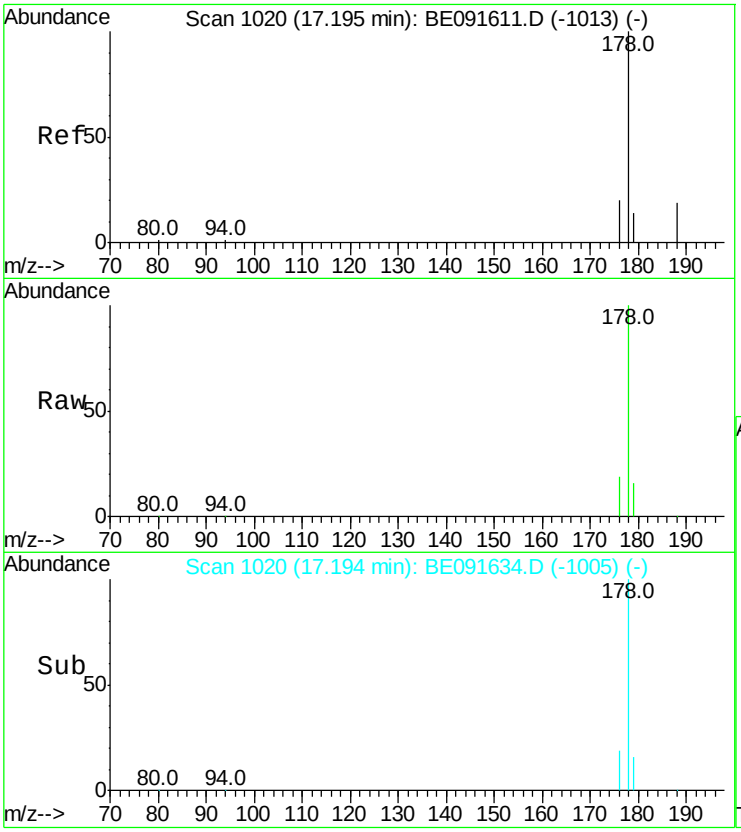


#22
Pentachlorophenol
Concen: 9.01 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:266 Resp: 196754

Ion	Ratio	Lower	Upper
266	100		
268	52.0	58.2	87.2#
264	73.9	56.2	84.4

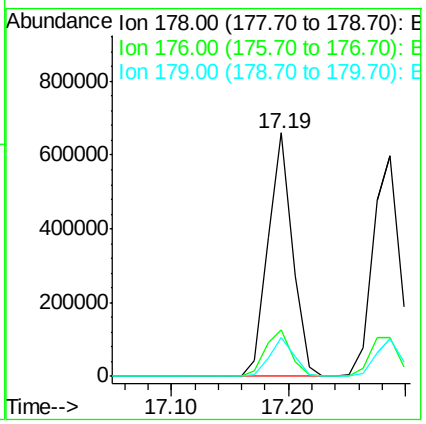




#23
Phenanthrene
Concen: 3.69 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:178 Resp: 959620

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.3	22.9
179	15.7	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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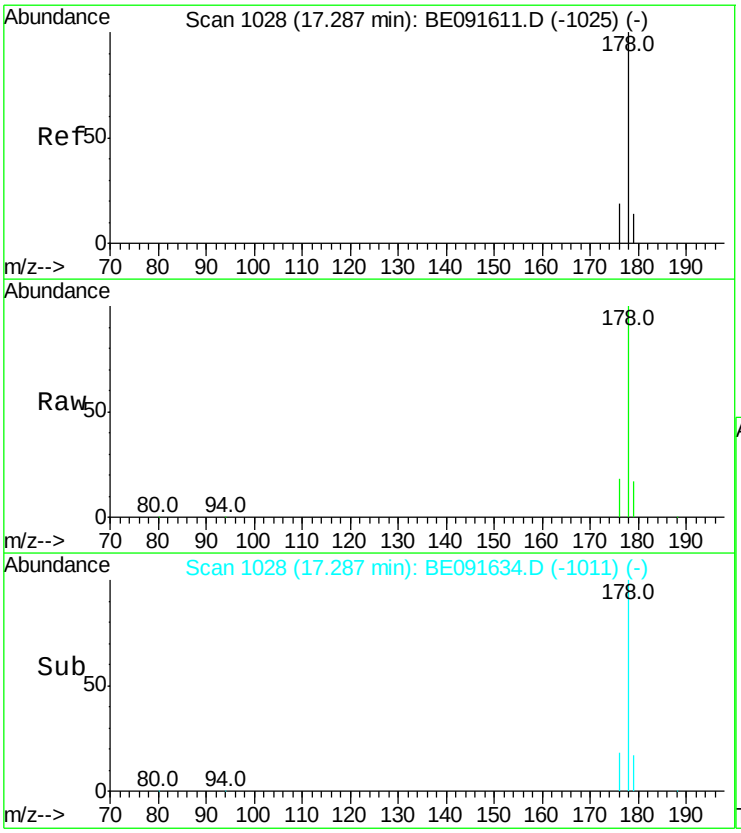
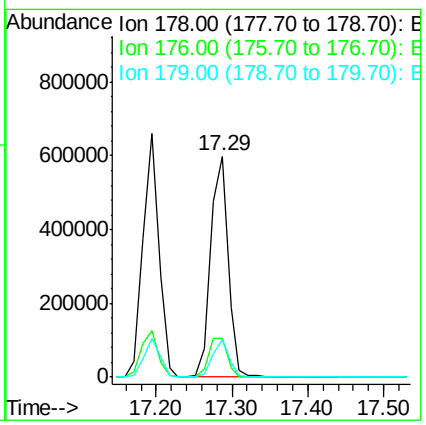
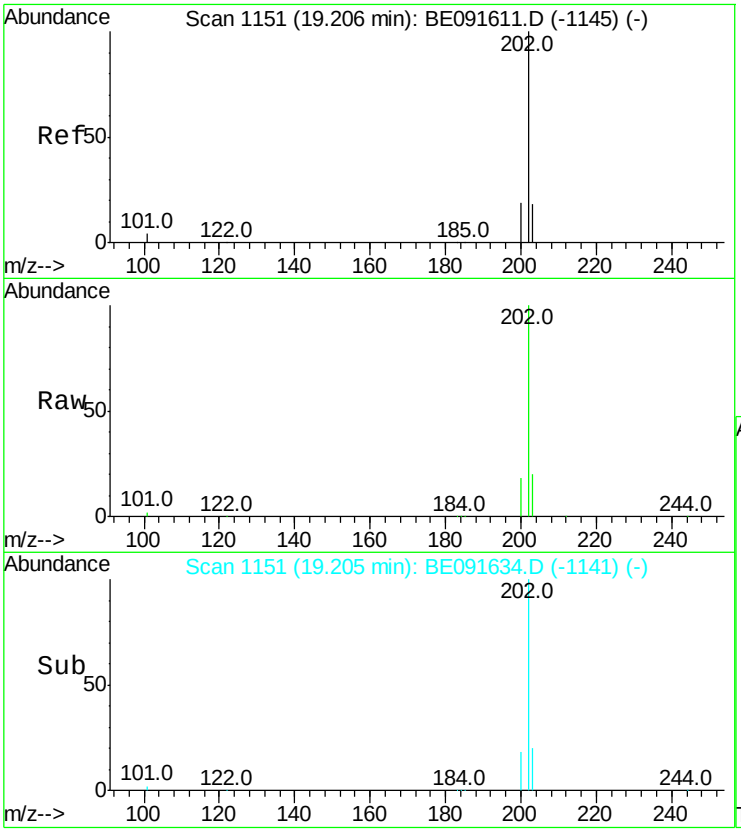


#24
Anthracene
Concen: 4.15 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:178 Resp: 956447

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	21.8
179	15.7	11.8	17.6

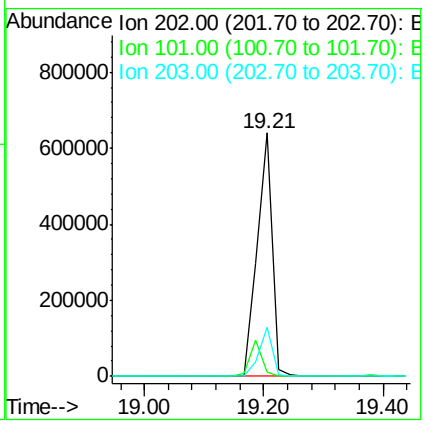




#25
Fluoranthene
Concen: 4.05 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:202 Resp: 1114599

Ion	Ratio	Lower	Upper
202	100		
101	12.1	11.0	16.6
203	18.4	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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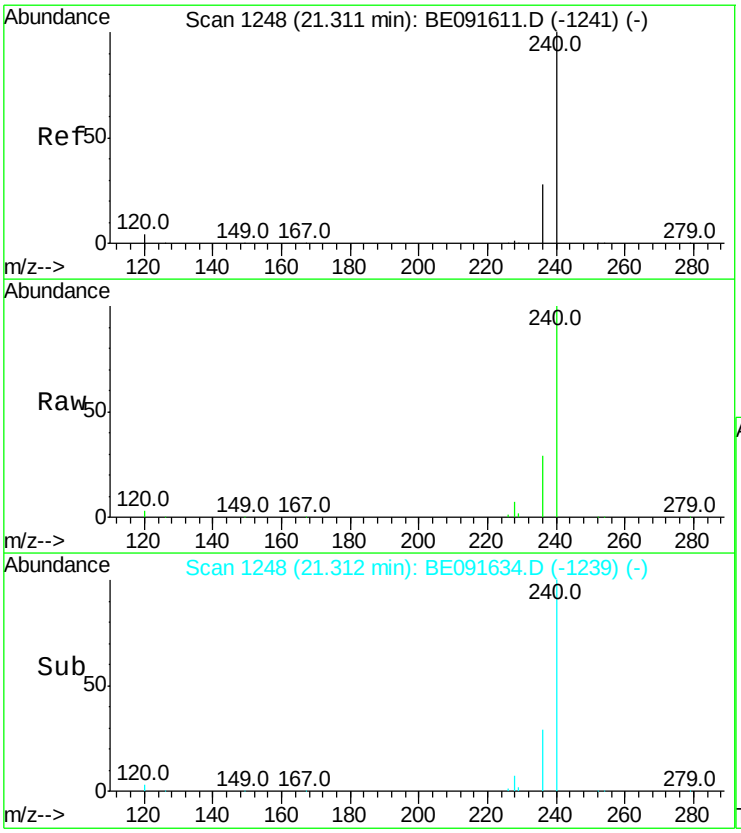
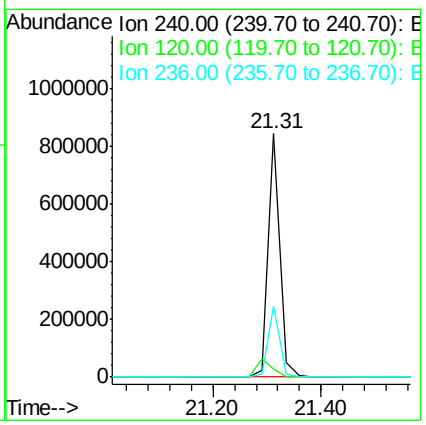
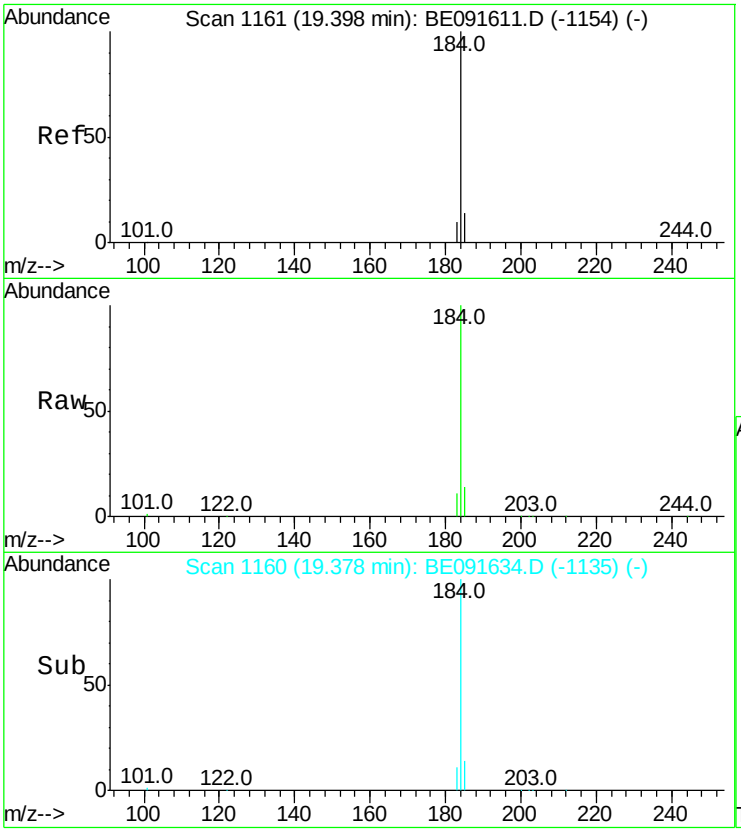


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:240 Resp: 1282843

Ion	Ratio	Lower	Upper
240	100		
120	3.5	11.0	16.4#
236	28.9	21.7	32.5

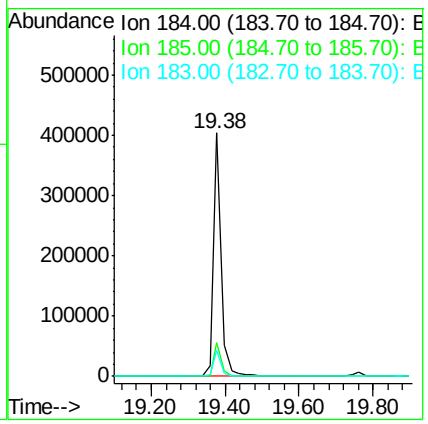




#27
Benzidine
Concen: 4.63 ng
RT: 19.38 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:184 Resp: 578906

Ion	Ratio	Lower	Upper
184	100		
185	14.1	22.3	33.5#
183	10.7	16.4	24.6#



Instrument :
BNA_E
ClientSampleId :
PB89409BS

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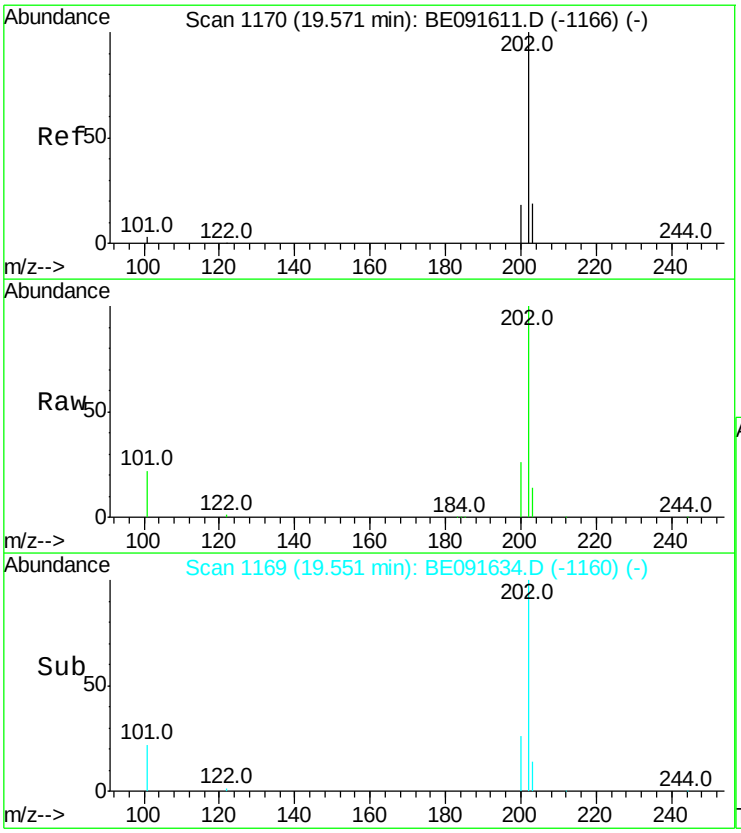
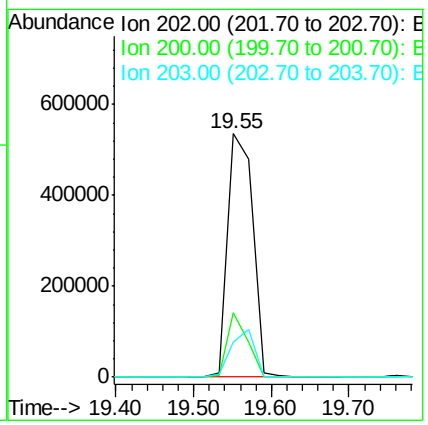
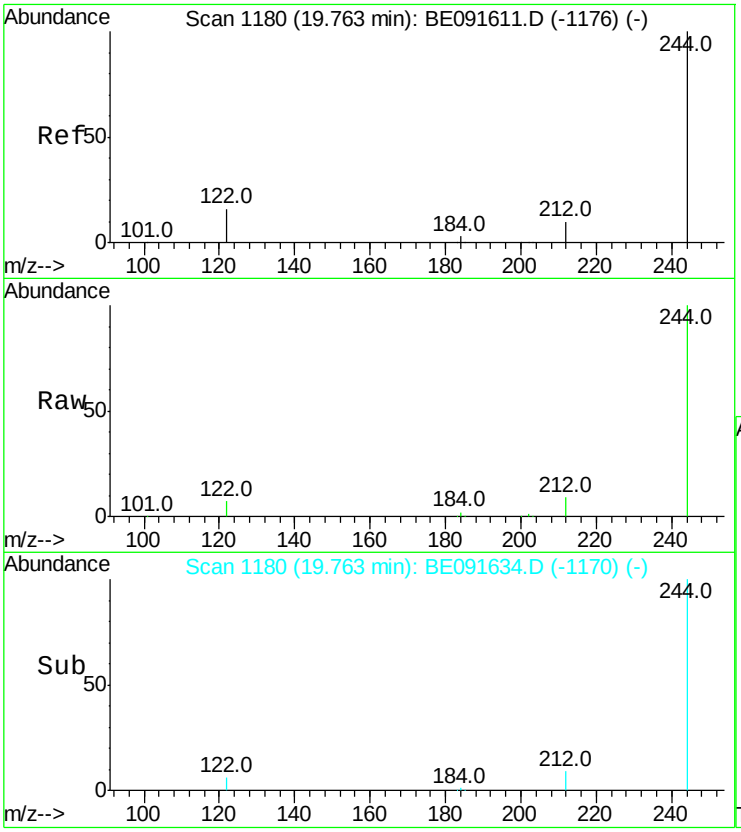


#28
Pyrene
Concen: 4.67 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:202 Resp: 1199338

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	18.5	14.0	21.0





#29
Terphenyl-d14
Concen: 4.58 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:244 Resp: 733816

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.9	10.3
122	6.5	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
PB89409BS

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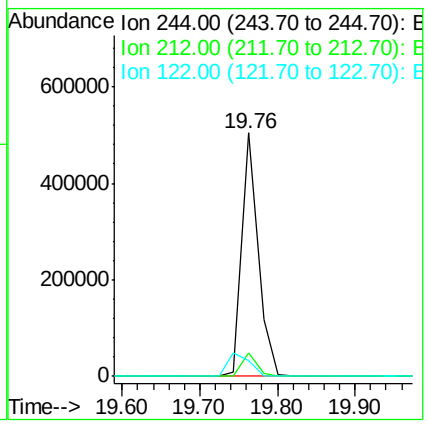
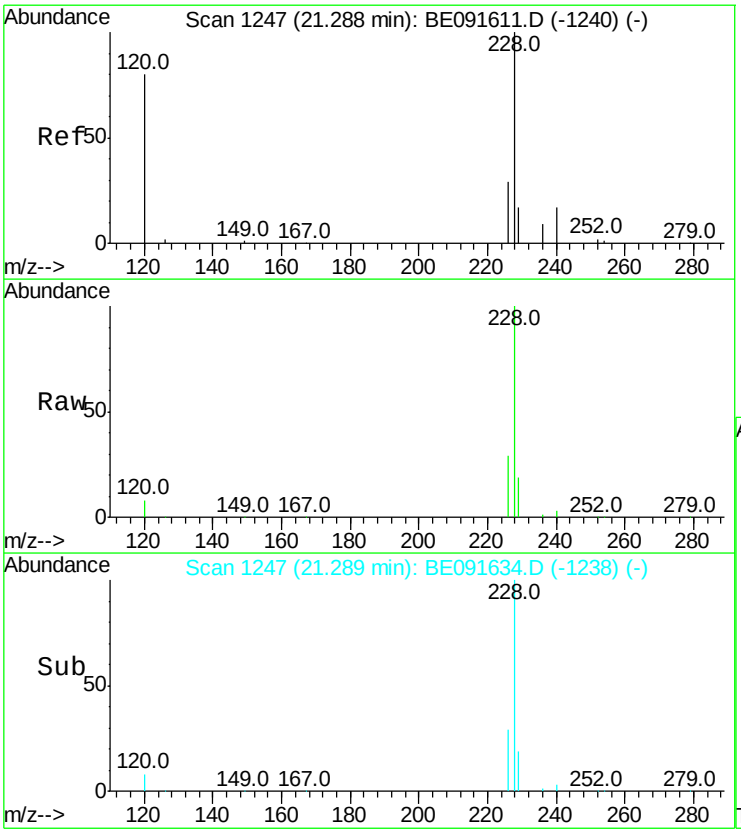
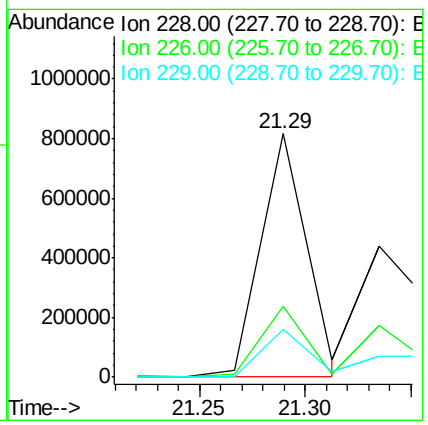


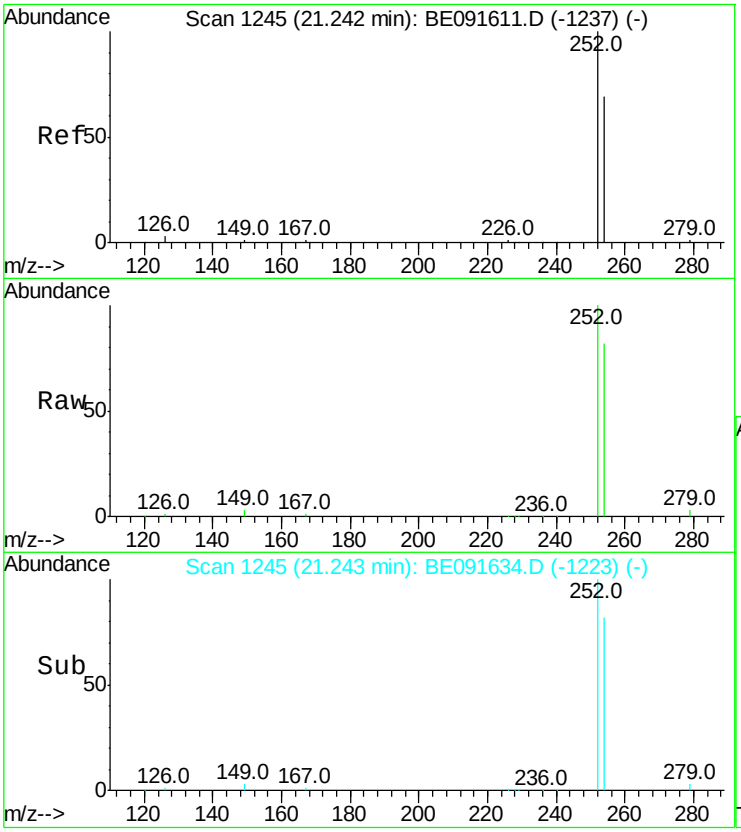


#30
Benzo(a)anthracene
Concen: 4.32 ng m
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:228 Resp: 1240727

Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.4
229	19.4	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 1.45 ng
RT: 21.24 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:252 Resp: 275971

Ion	Ratio	Lower	Upper
252	100		
254	82.4	51.1	76.7#
126	0.8	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
PB89409BS

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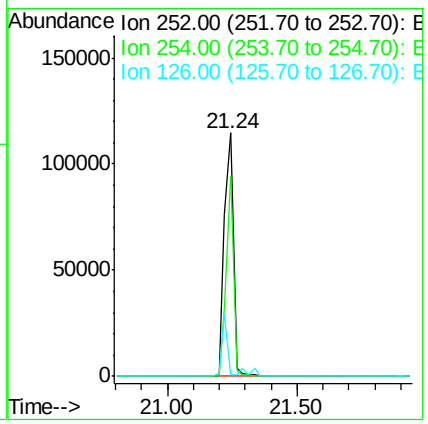
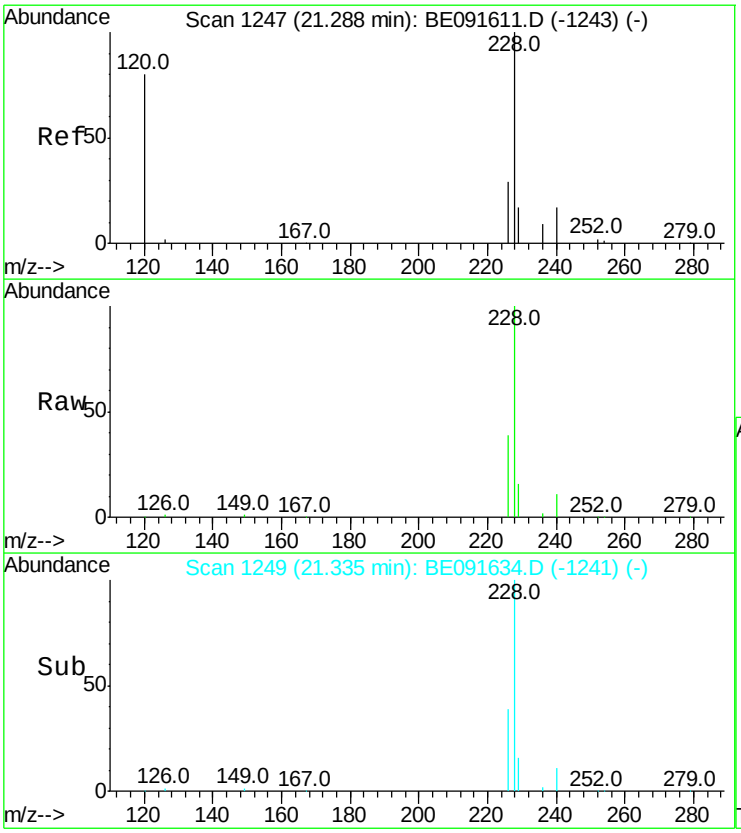
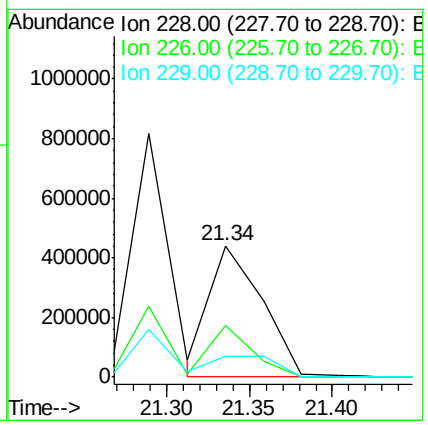


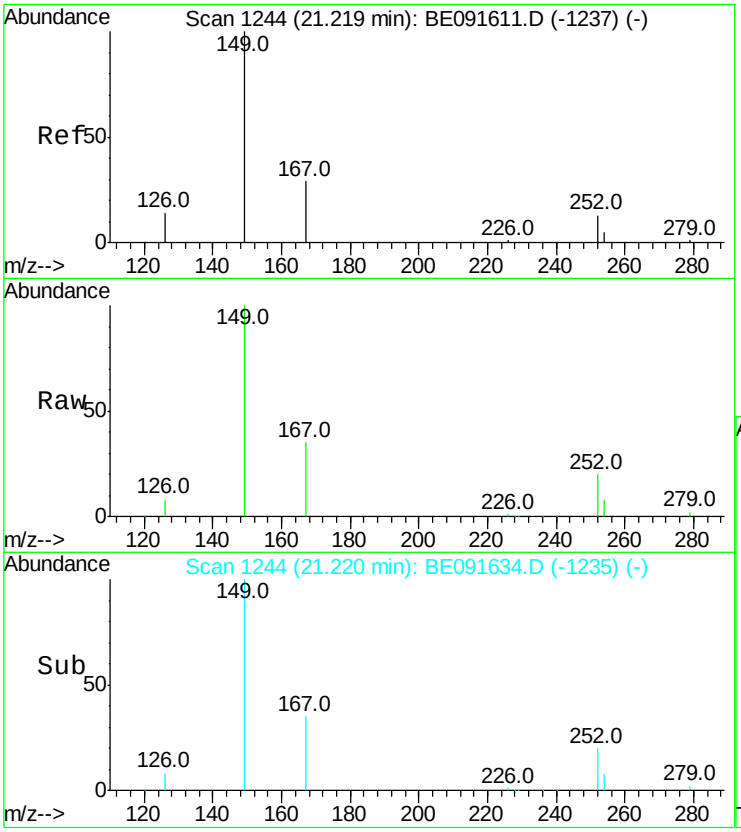


#32
Chrysene
Concen: 3.78 ng m
RT: 21.34 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:228 Resp: 983851

Ion	Ratio	Lower	Upper
228	100		
226	39.1	24.0	36.0#
229	15.8	15.9	23.9#





#33
Bis(2-ethylhexyl)phthalate
Concen: 3.04 ng
RT: 21.22 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:149 Resp: 581884

Ion	Ratio	Lower	Upper
149	100		
167	32.8	19.5	29.3#
279	2.3	10.0	15.0#

Instrument :
BNA_E
ClientSampleId :
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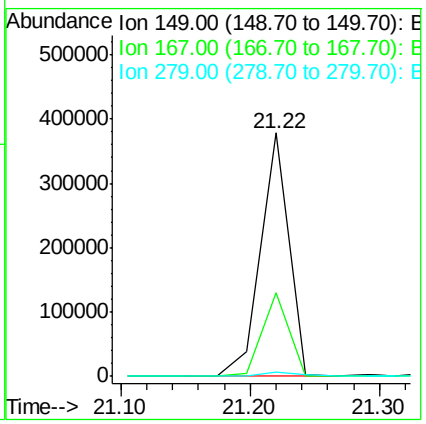
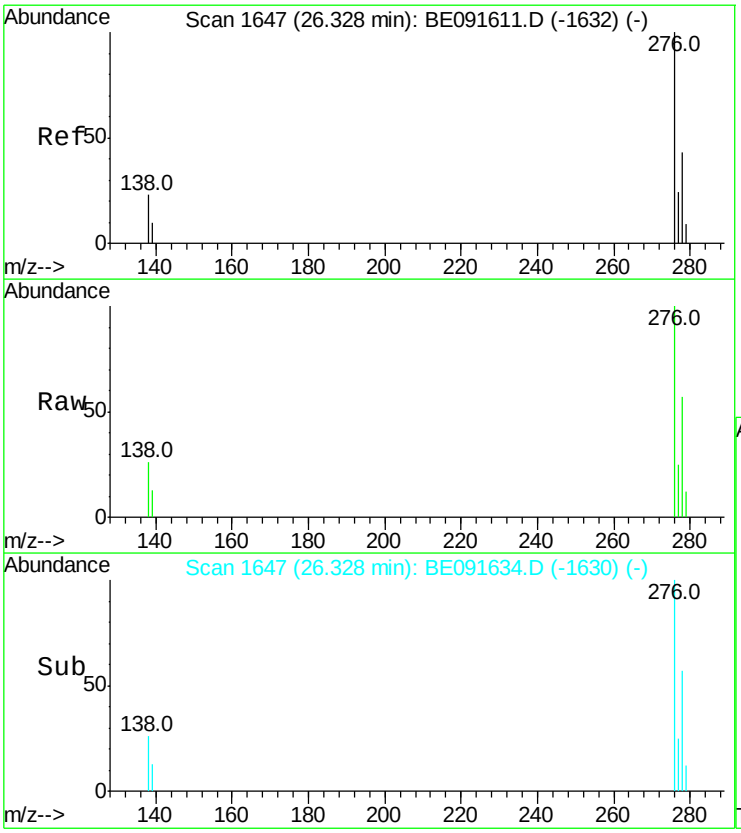
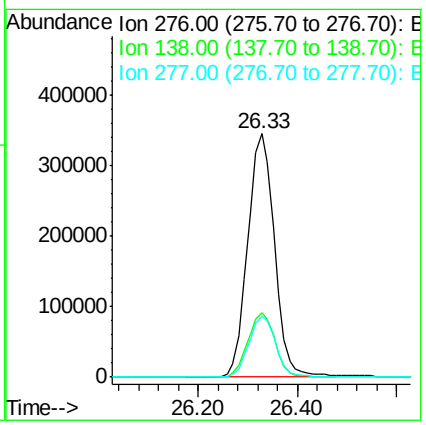


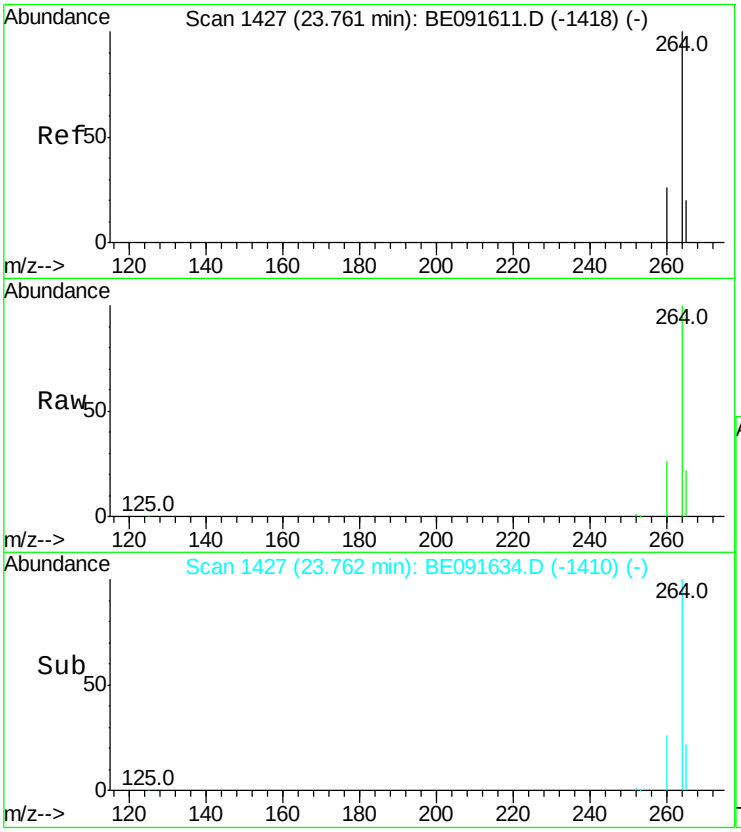


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.48 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:276 Resp: 1300365

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.4	35.2
277	25.1	19.8	29.8





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:264 Resp: 1169088

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.0	30.0
265	21.7	17.5	26.3

Instrument :
BNA_E
ClientSampleId :
PB89409BS

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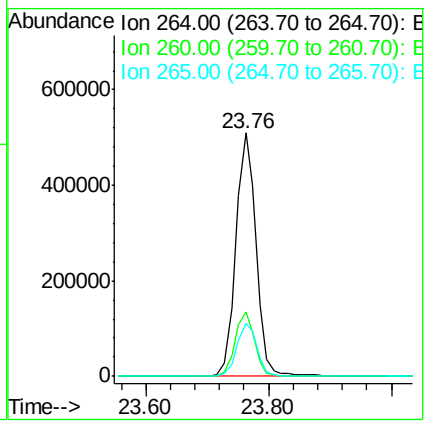
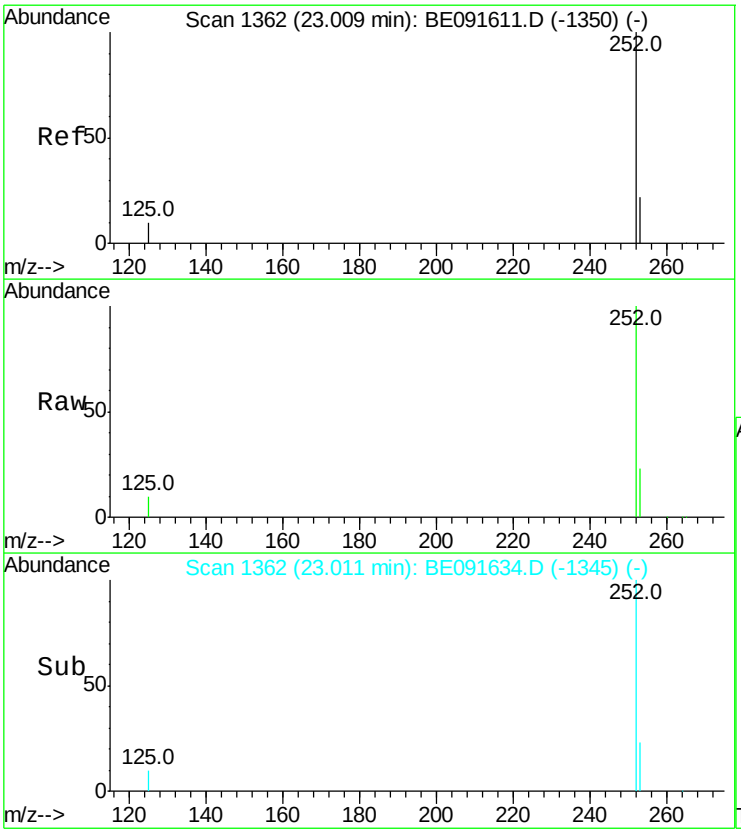
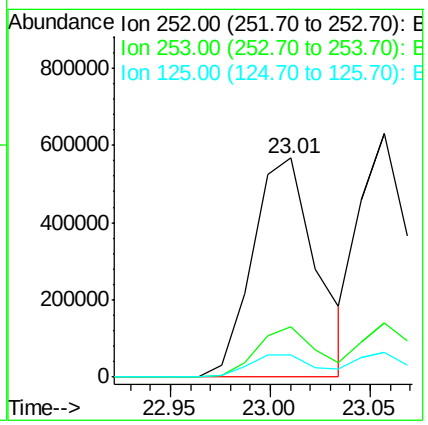


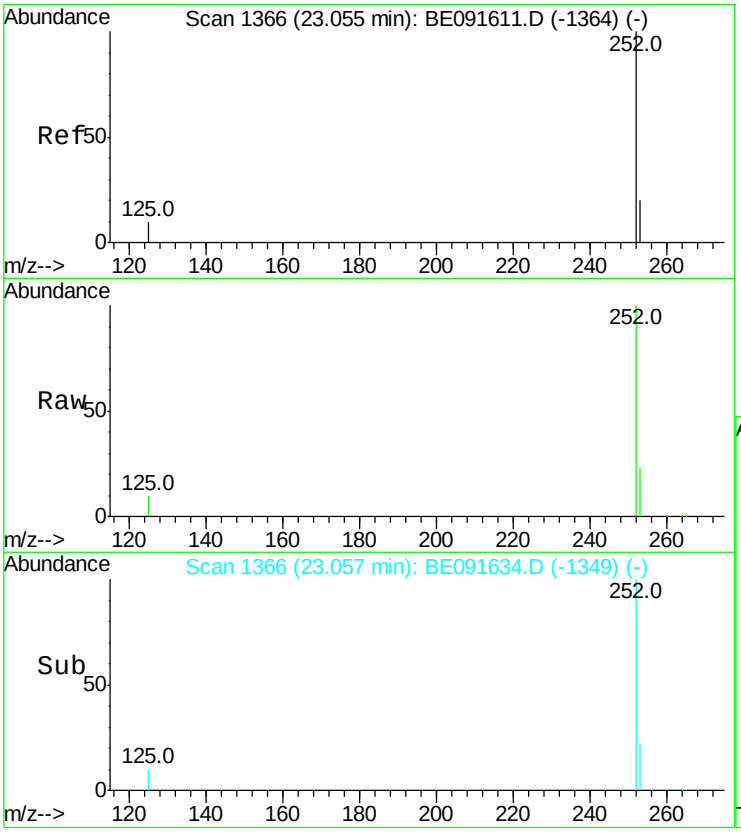


#36
Benzo(b)fluoranthene
Concen: 4.61 ng m
RT: 23.01 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:252 Resp: 1250415

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	9.9	10.2	15.2#

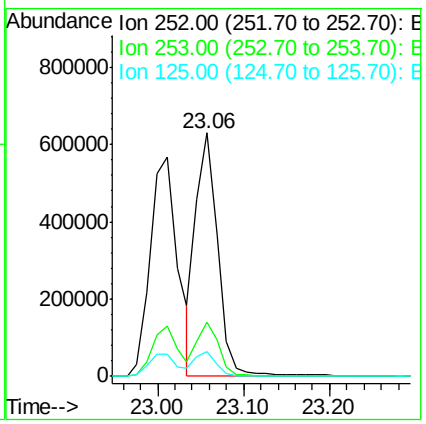




#37
Benzo(k)fluoranthene
Concen: 4.13 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

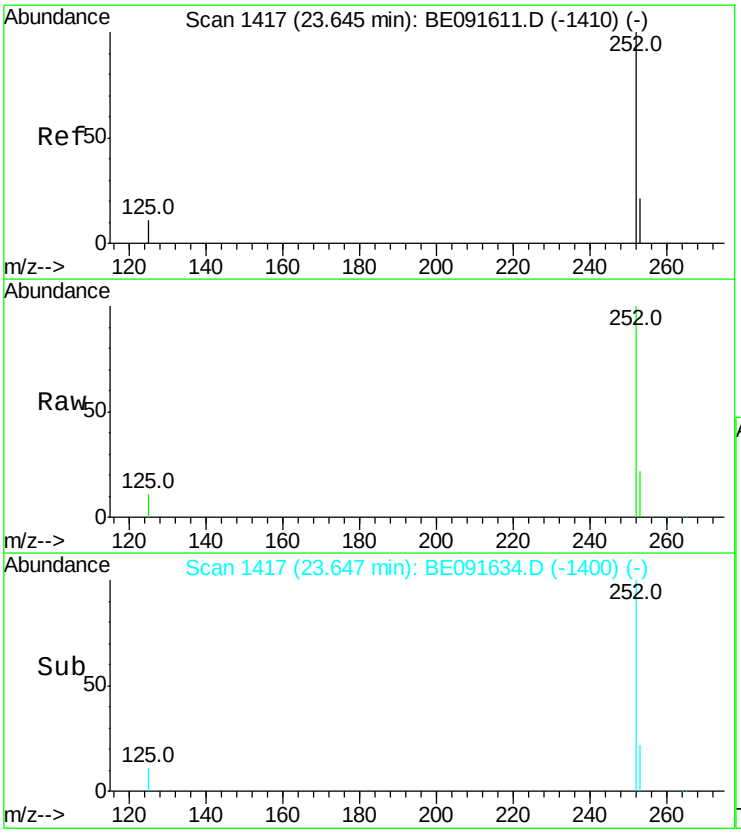
Tgt Ion:252 Resp: 1104943

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.2	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
PB89409BS

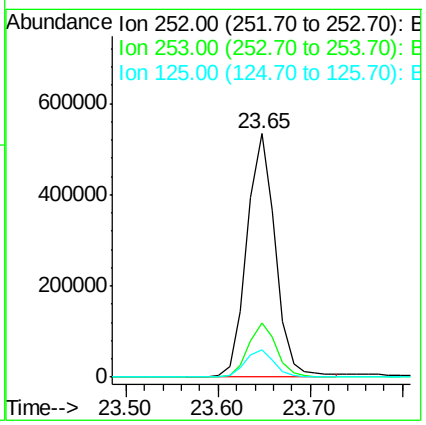
Manual Integrations APPROVED
Sohil
4/12/2016 5:32:43 PM

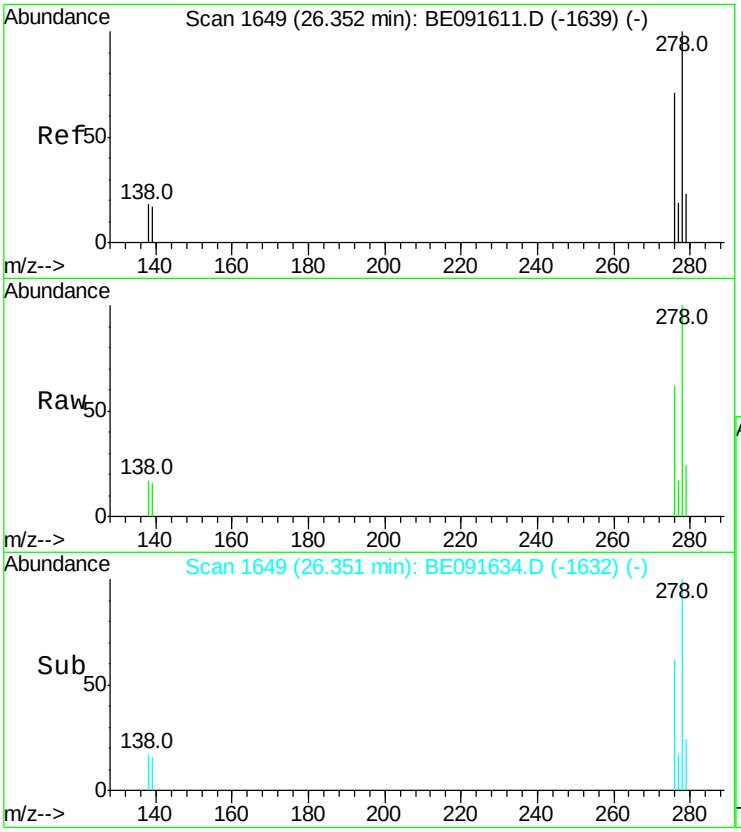


#38
Benzo(a)pyrene
Concen: 4.52 ng
RT: 23.65 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:252 Resp: 1139869

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	11.4	11.0	16.4

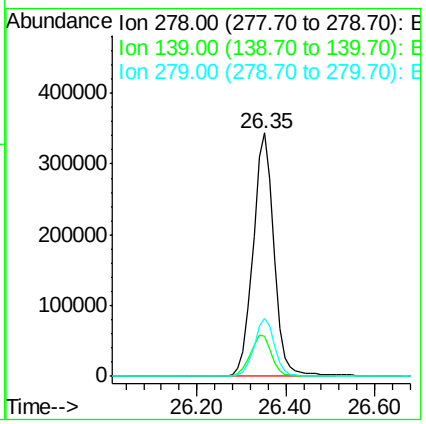




#39
Dibenzo(a,h)anthracene
Concen: 4.42 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

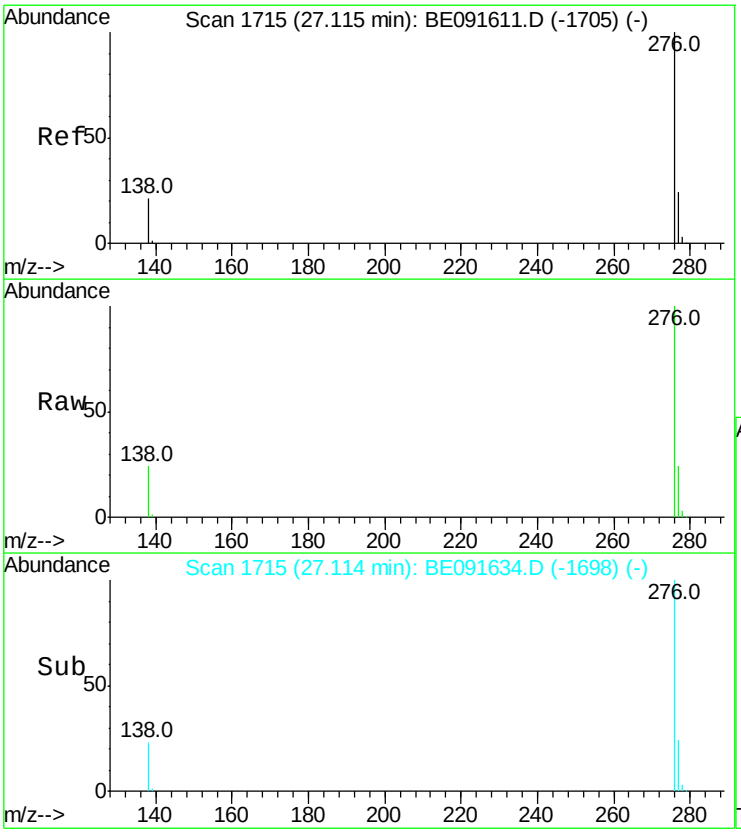
Tgt Ion:278 Resp: 1097485

Ion	Ratio	Lower	Upper
278	100		
139	16.4	16.0	24.0
279	24.0	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
PB89409BS

Manual Integrations APPROVED
Sohil
4/12/2016 5:32:43 PM



#40
Benzo(g,h,i)perylene
Concen: 4.39 ng
RT: 27.11 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BE091634.D
Acq: 11 Apr 2016 18:41

Tgt Ion:276 Resp: 1122567

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	23.5	20.4	30.6