Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091837.D
Acq On : 20 May 2016 14:46
Operator : UM/SJ
Sample : PB90761BSD
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: May 20 17:19:03 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB90761BSD

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	29627	5.00	ng		-0.02
7) Naphthalene-d8	10.57	136	153629	5.00	ng		0.00
13) Acenaphthene-d10	14.40	164	92271	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	215741	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	230621	5.00	ng		-0.02
35) Perylene-d12	23.74	264	237069	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	50620	6.54	ng		0.00
5) Phenol-d6	6.97	99	79546	7.29	ng		0.02
8) Nitrobenzene-d5	8.95	82	37708	3.70	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	26875	7.50	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	91193	3.49	ng		-0.01
29) Terphenyl-d14	19.74	244	137581	4.21	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	9485	2.92	ng	#	92
3) n-Nitrosodimethylamine	3.63	42	15170	3.21	ng		98
6) bis(2-Chloroethyl)ether	7.21	93	28159	3.22	ng	#	77
9) Nitrobenzene	8.98	77	37003	3.53	ng		92
10) Naphthalene	10.61	128	103880	3.06	ng		98
11) Hexachlorobutadiene	10.90	225	16769	3.33	ng		97
12) 2-Methylnaphthalene	12.23	142	74356	3.25	ng		93
16) Acenaphthylene	14.12	152	133620	3.25	ng	#	86
17) Acenaphthene	14.46	154	75342	3.05	ng		88
18) Fluorene	15.44	166	100998	3.15	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	29584	3.67	ng		92
21) Hexachlorobenzene	16.45	284	29027	3.46	ng		98
22) Pentachlorophenol	16.79	266	30792	8.87	ng		90
23) Phenanthrene	17.18	178	196240	4.63	ng		97
24) Anthracene	17.26	178	176383	3.76	ng		99
25) Fluoranthene	19.19	202	210582	3.67	ng		96
27) Benzidine	19.36	184	115361	5.06	ng	#	75
28) Pyrene	19.55	202	218724	4.32	ng		99
30) Benzo(a)anthracene	21.27	228	248049	4.46	ng	#	89
31) 3,3'-Dichlorobenzidine	21.22	252	77979	2.20	ng	#	93
32) Chrysene	21.33	228	160359m	3.37	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	147642	4.67	ng	#	80
34) Indeno(1,2,3-cd)pyrene	26.28	276	243162	4.26	ng		96
36) Benzo(b)fluoranthene	22.99	252	234058	3.95	ng	#	94
37) Benzo(k)fluoranthene	23.03	252	197770	3.26	ng	#	96
38) Benzo(a)pyrene	23.62	252	210573	3.72	ng	#	97
39) Dibenzo(a,h)anthracene	26.30	278	202347	3.66	ng	#	95
40) Benzo(g,h,i)perylene	27.07	276	204053	3.58	ng		95

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

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Misc :
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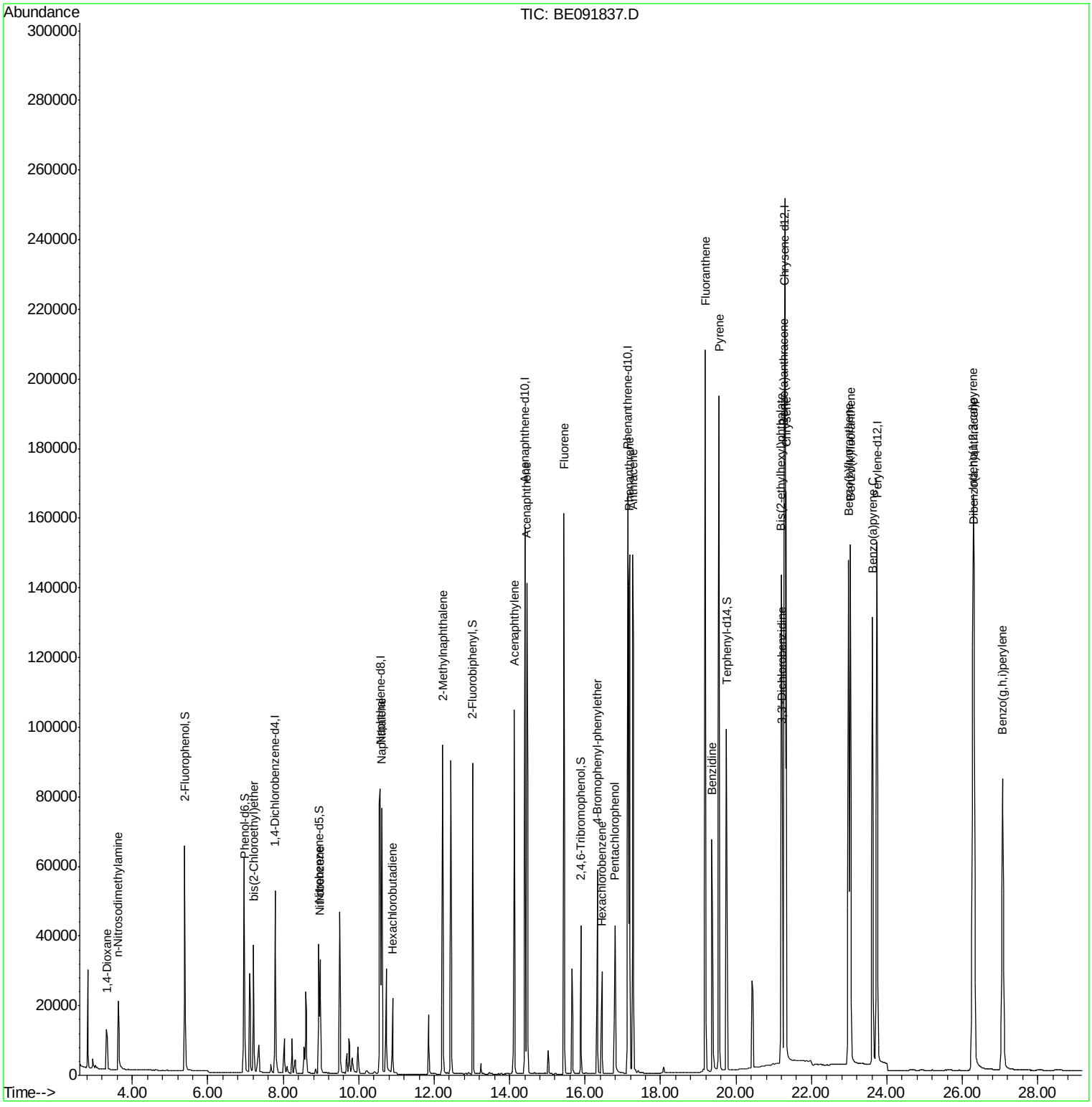
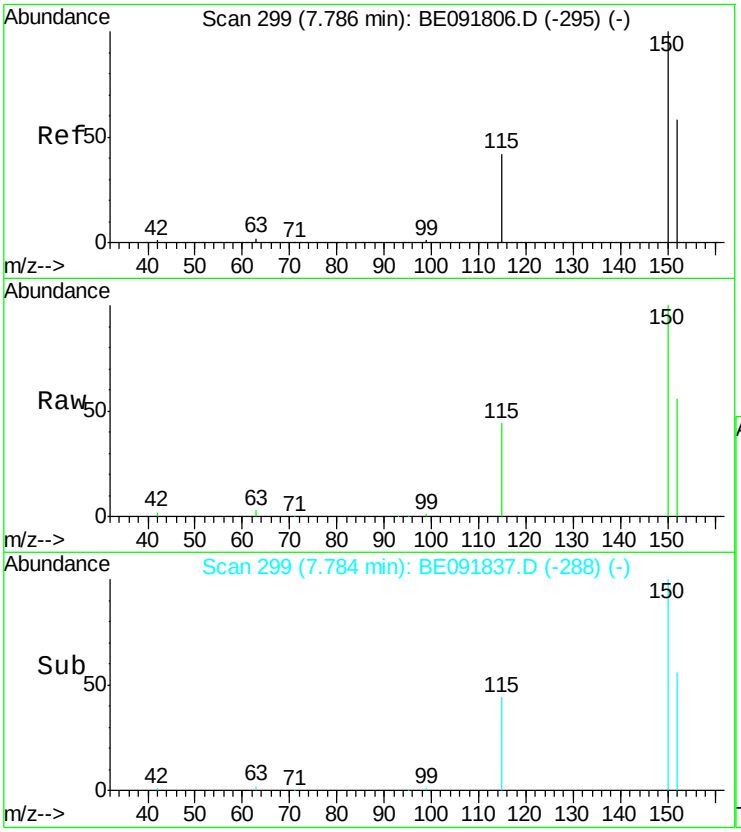
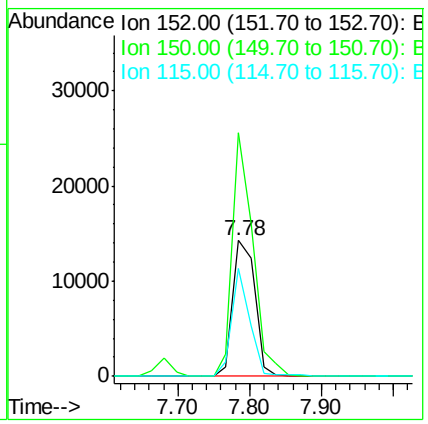




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.78 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:152 Resp: 29627

Ion	Ratio	Lower	Upper
152	100		
150	179.2	122.6	183.8
115	79.2	52.8	79.2



Instrument :
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ClientSampleId :
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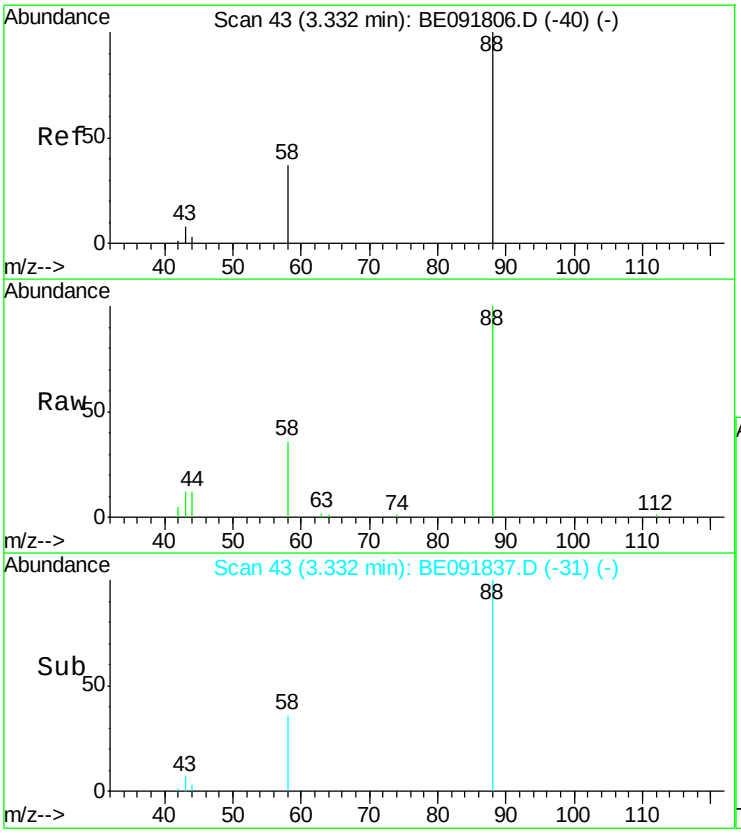
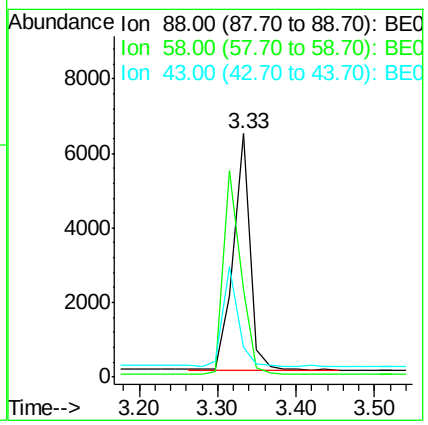
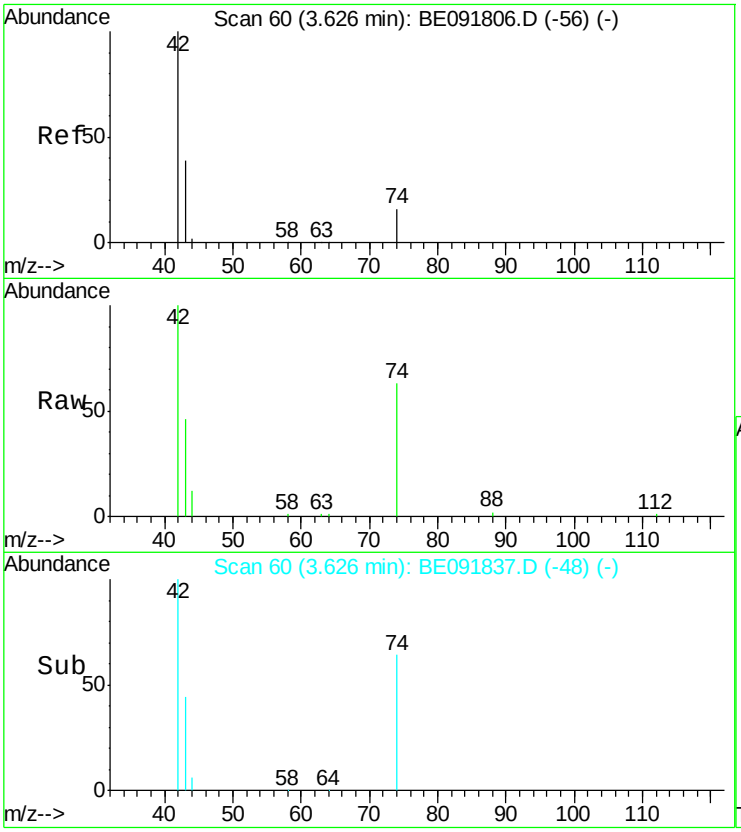


#2
1,4-Dioxane
Concen: 2.92 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion: 88 Resp: 9485

Ion	Ratio	Lower	Upper
88	100		
58	88.3	65.8	98.6
43	37.9	25.3	37.9#

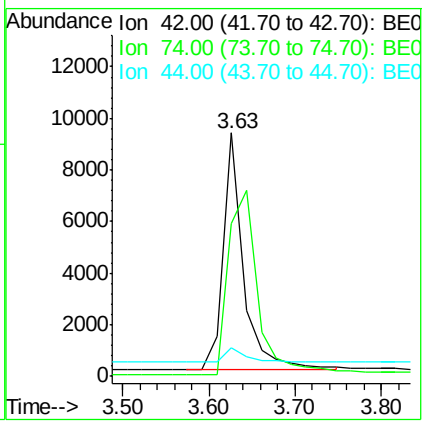




#3
n-Nitrosodimethylamine
Concen: 3.21 ng
RT: 3.63 min Scan# 60
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion: 42 Resp: 15170

Ion	Ratio	Lower	Upper
42	100		
74	111.4	87.9	131.9
44	6.6	6.6	9.8



Instrument :
BNA_E
ClientSampleId :
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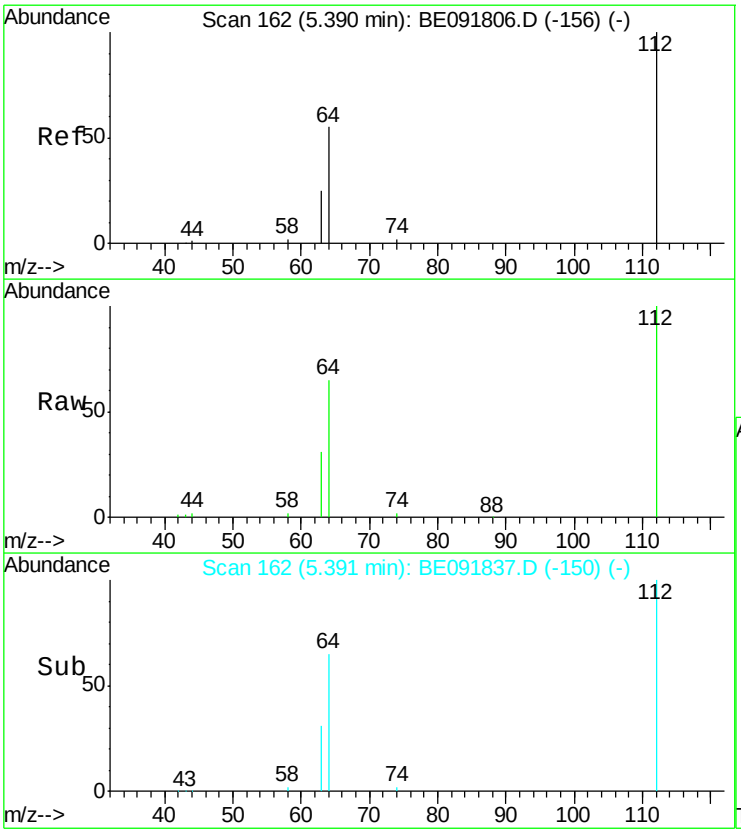
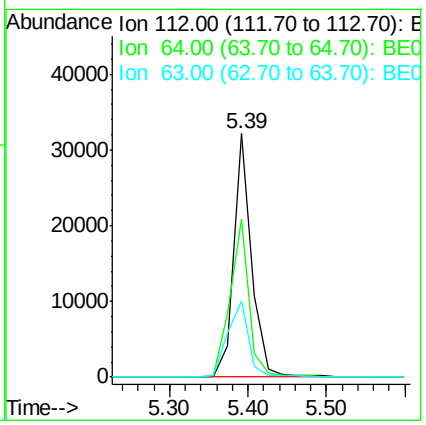
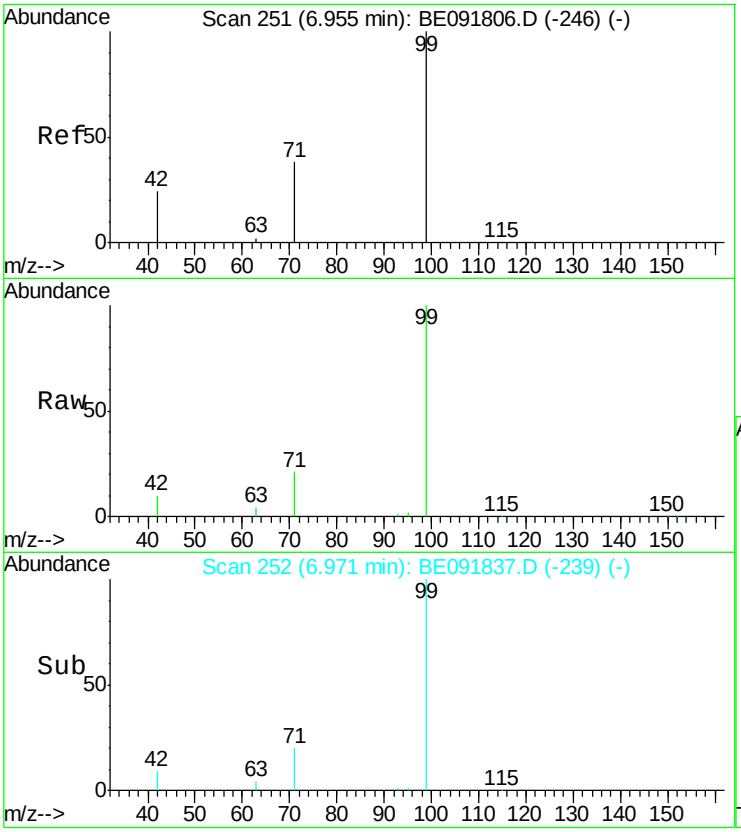


#4
2-Fluorophenol
Concen: 6.54 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:112 Resp: 50620

Ion	Ratio	Lower	Upper
112	100		
64	67.8	30.9	46.3#
63	36.1	16.7	25.1#

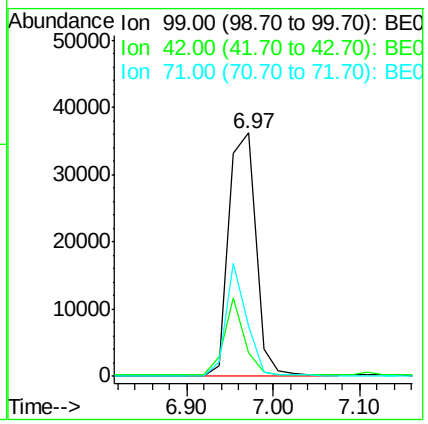




#5
Phenol-d6
Concen: 7.29 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion: 99 Resp: 79546

Ion	Ratio	Lower	Upper
99	100		
42	24.4	16.2	24.2#
71	35.7	29.0	43.4



Instrument :
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ClientSampleId :
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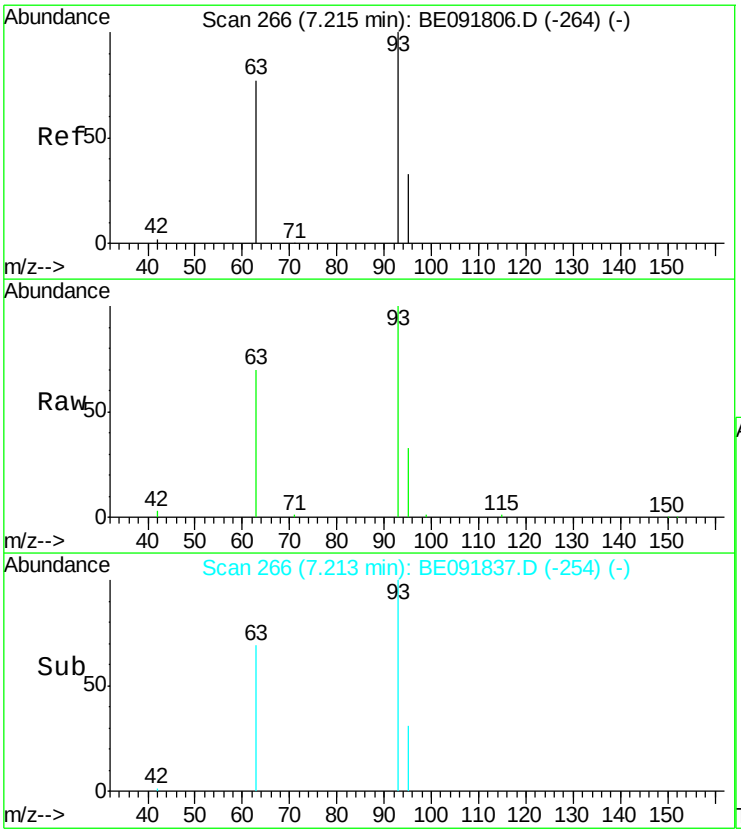
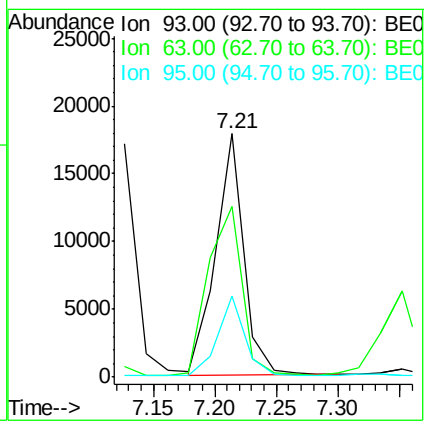
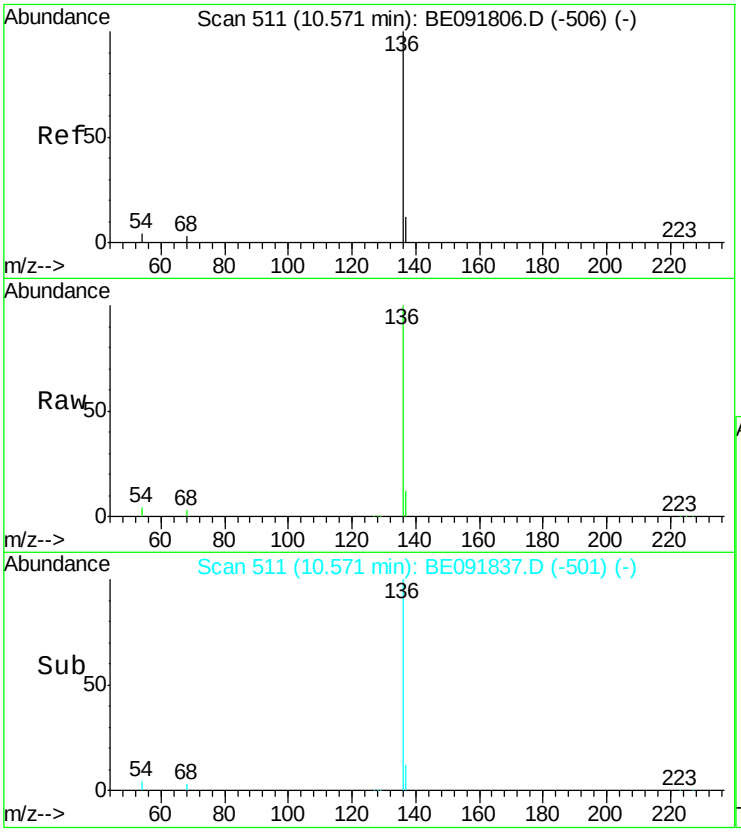


#6
bis(2-Chloroethyl)ether
Concen: 3.22 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion: 93 Resp: 28159

Ion	Ratio	Lower	Upper
93	100		
63	84.9	49.5	74.3#
95	32.5	22.2	33.4

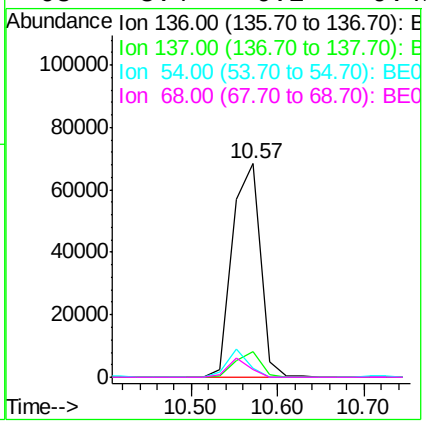




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:136 Resp: 153629

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.9	13.3
54	3.9	8.2	12.4#
68	3.4	6.2	9.4#



Instrument :
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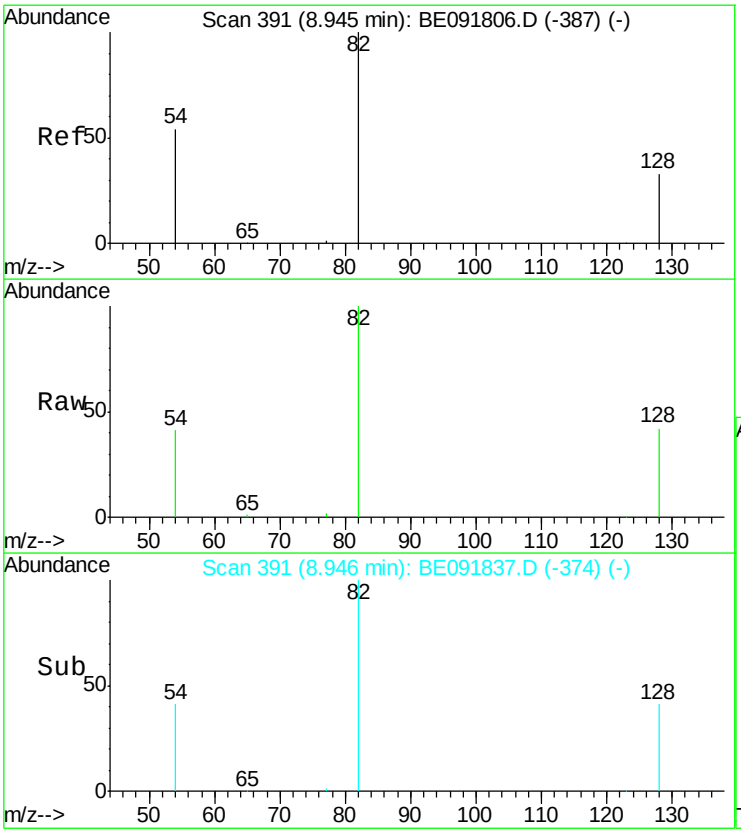
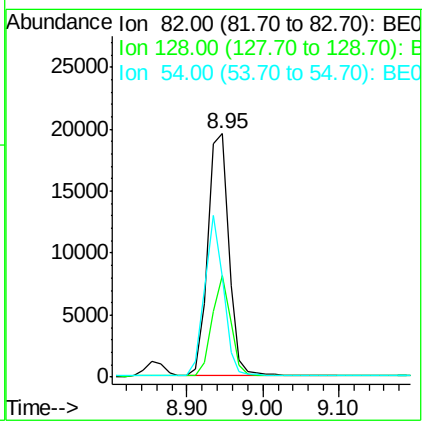
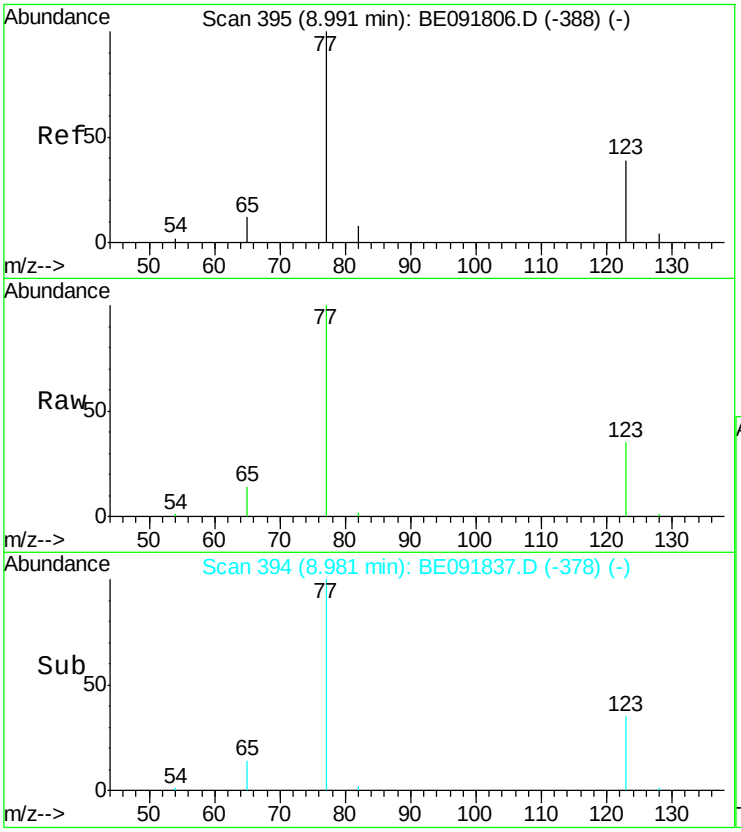


#8
Nitrobenzene-d5
Concen: 3.70 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion: 82 Resp: 37708

Ion	Ratio	Lower	Upper
82	100		
128	41.7	25.4	38.0#
54	41.4	48.4	72.6#

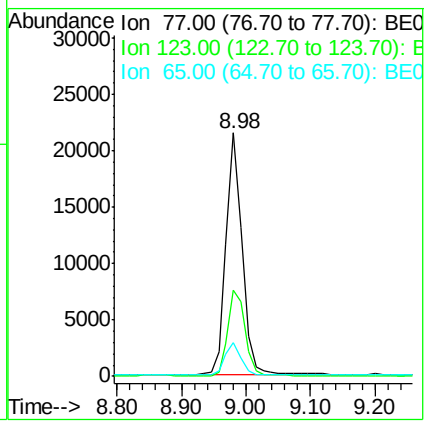




#9
Nitrobenzene
Concen: 3.53 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion: 77 Resp: 37003

Ion	Ratio	Lower	Upper
77	100		
123	38.4	26.9	40.3
65	14.1	9.4	14.2



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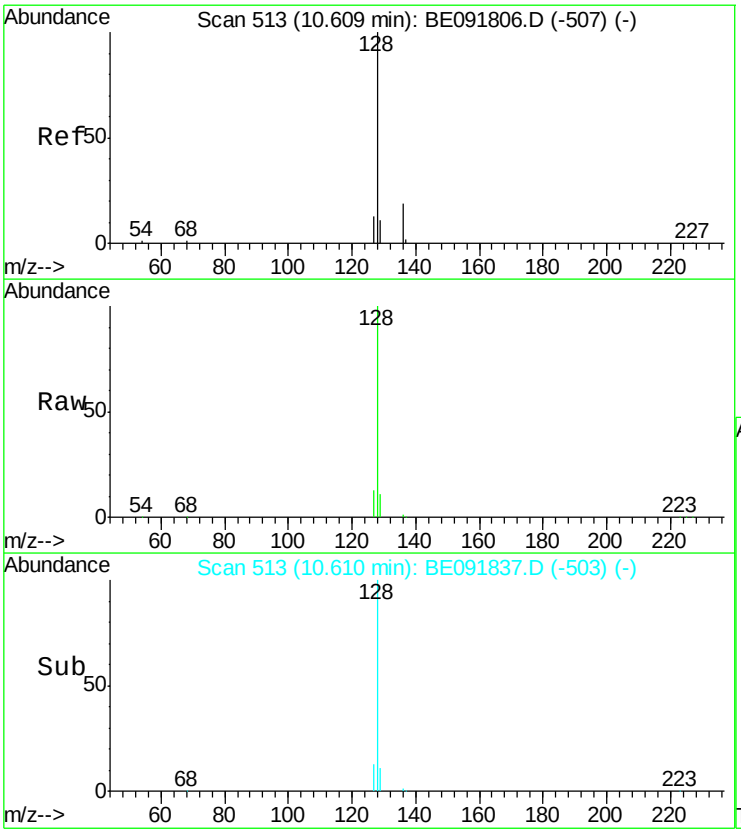
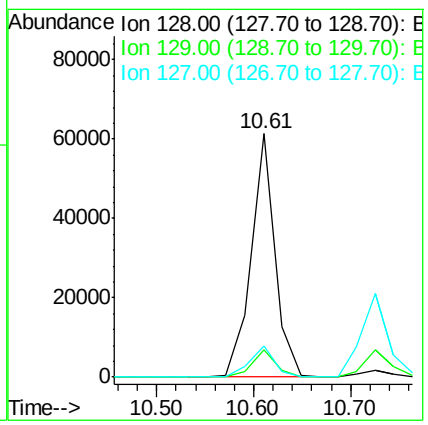
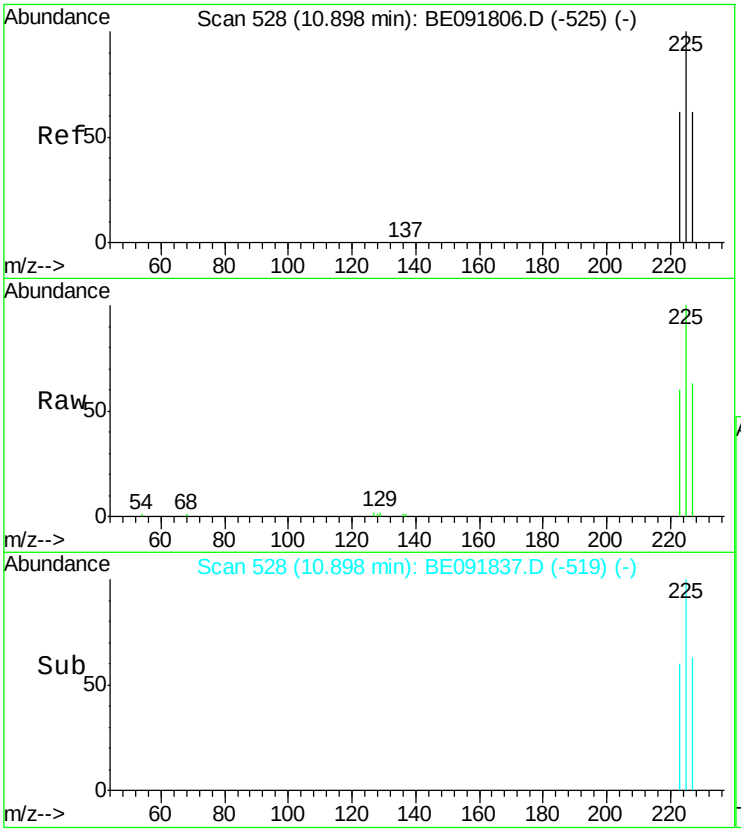


#10
Naphthalene
Concen: 3.06 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:128 Resp: 103880

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	12.7	10.7	16.1

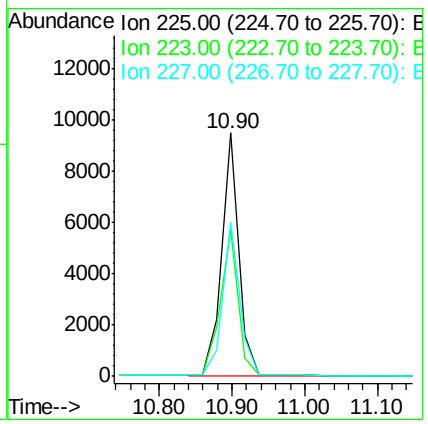




#11
Hexachlorobutadiene
Concen: 3.33 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:225 Resp: 16769

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.0	73.6
227	64.6	50.3	75.5



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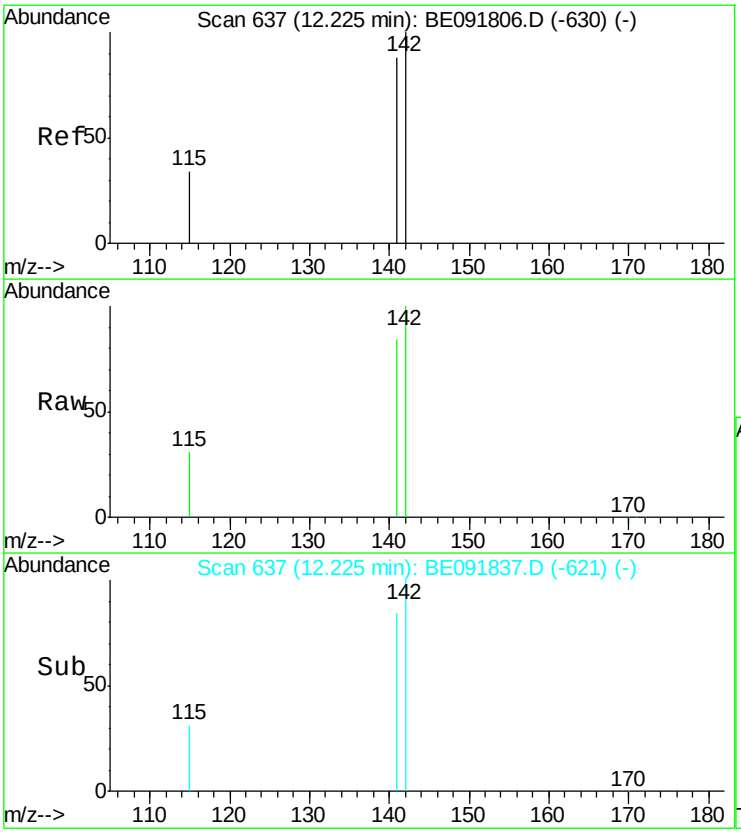
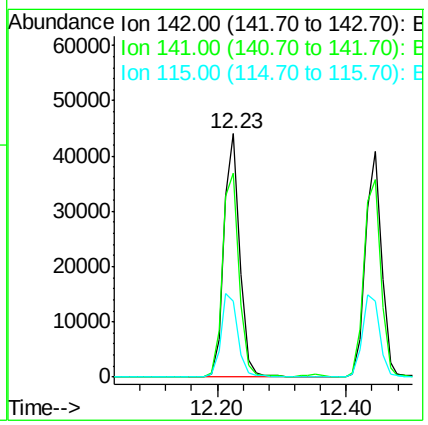
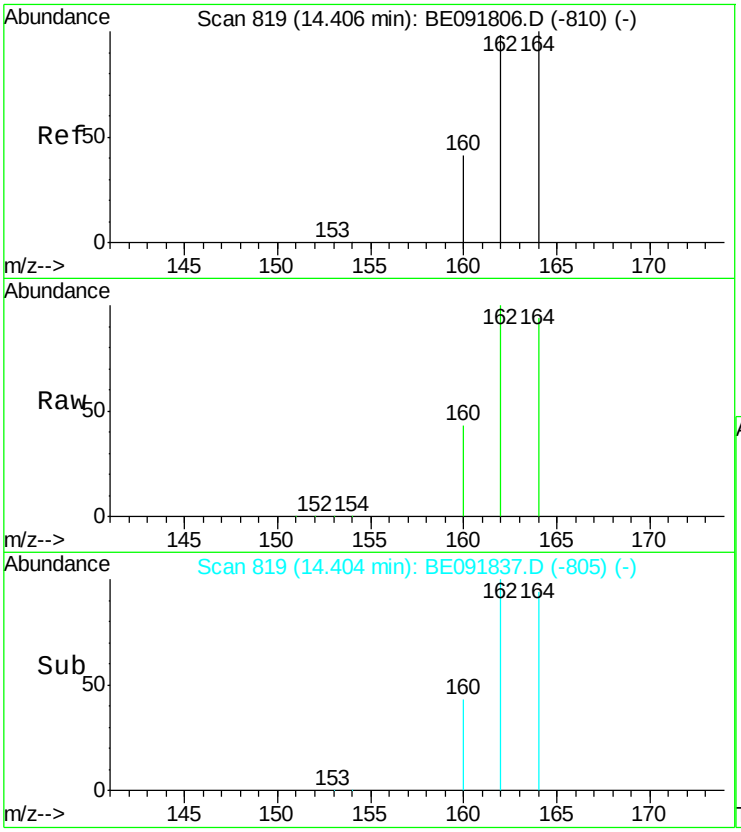


#12
2-Methylnaphthalene
Concen: 3.25 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:142 Resp: 74356

Ion	Ratio	Lower	Upper
142	100		
141	83.8	71.4	107.0
115	31.3	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: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:164 Resp: 92271

Ion	Ratio	Lower	Upper
164	100		
162	106.3	85.3	127.9
160	46.1	46.2	69.2#

Instrument :
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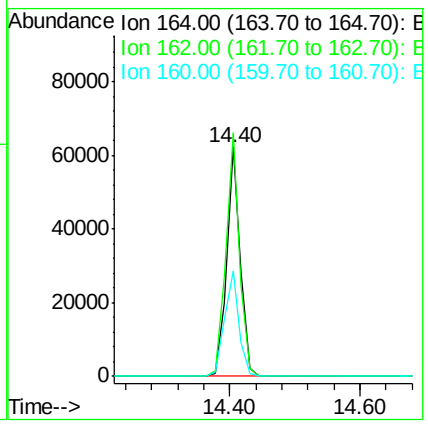
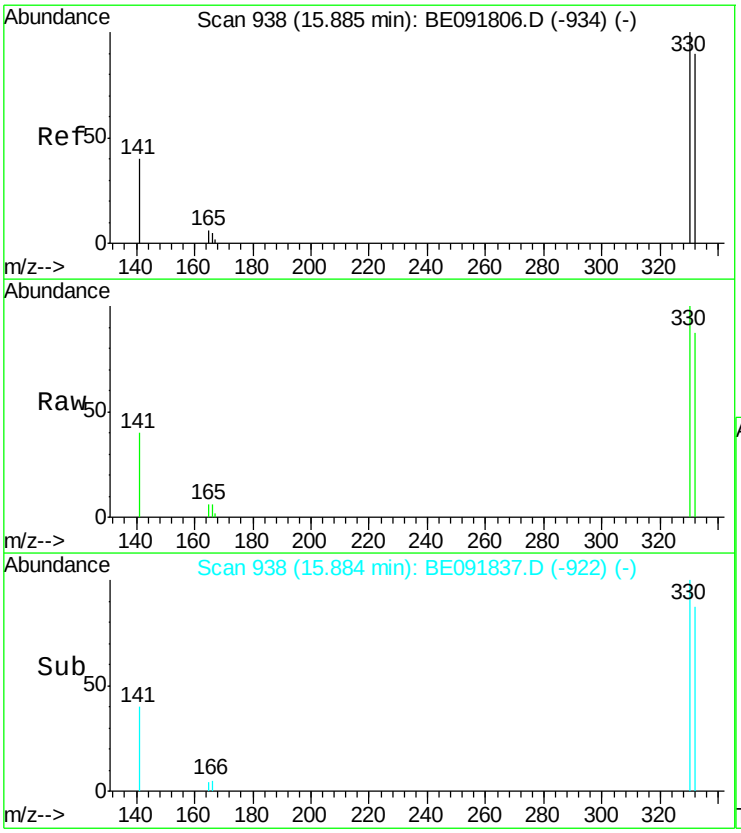
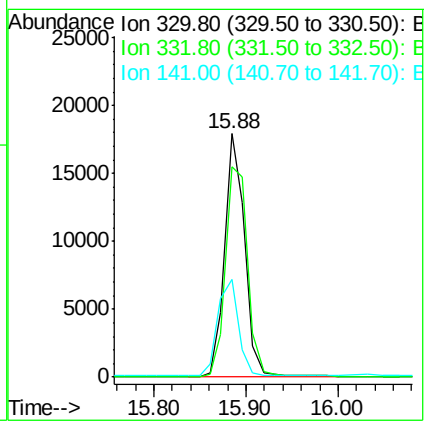


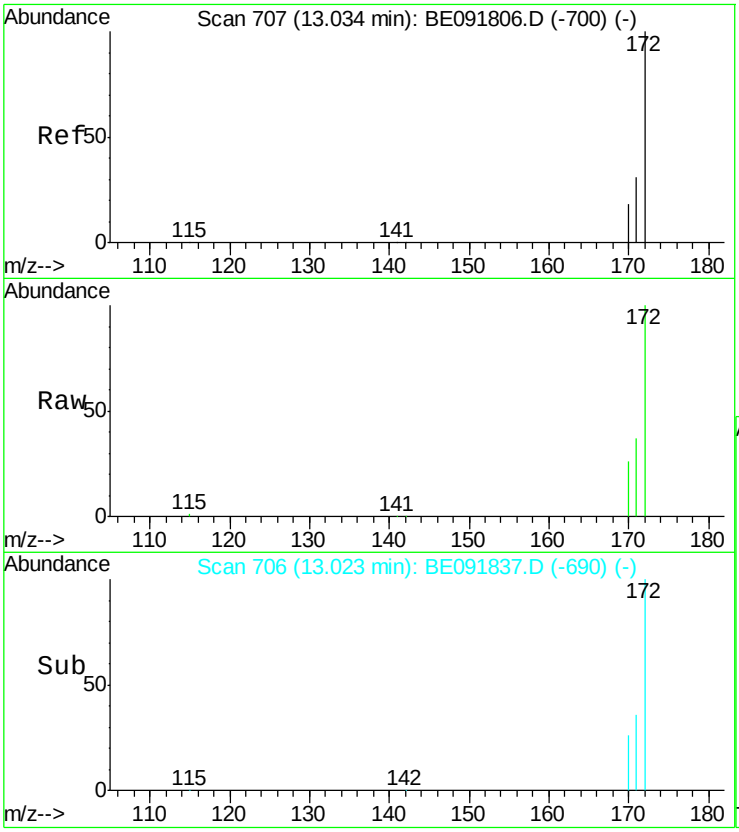


#14
2,4,6-Tribromophenol
Concen: 7.50 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:330 Resp: 26875

Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	41.4	125.4	188.0#

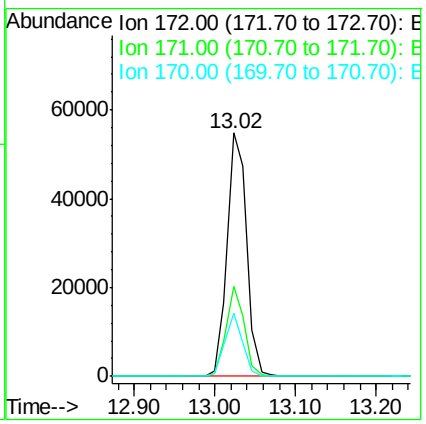




#15
2-Fluorobiphenyl
Concen: 3.49 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:172 Resp: 91193

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.8	43.2
170	25.8	19.3	28.9



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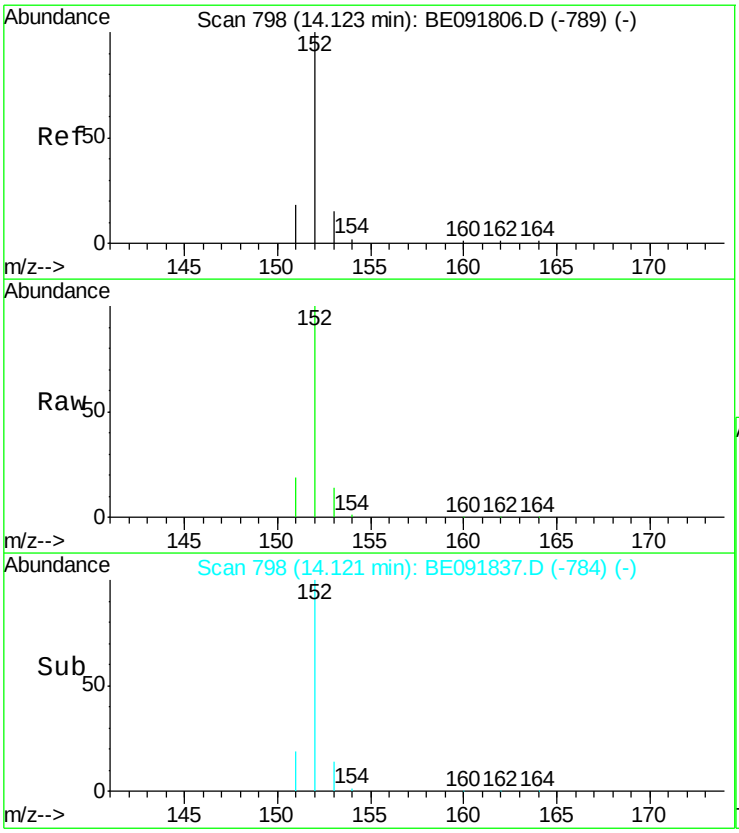
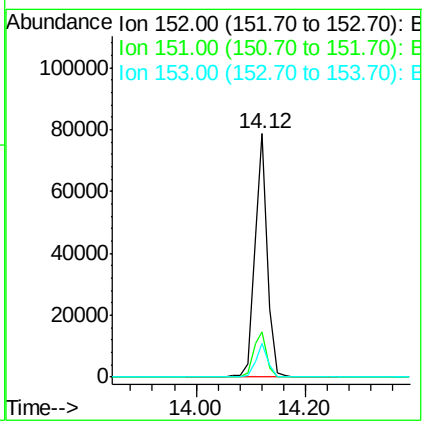
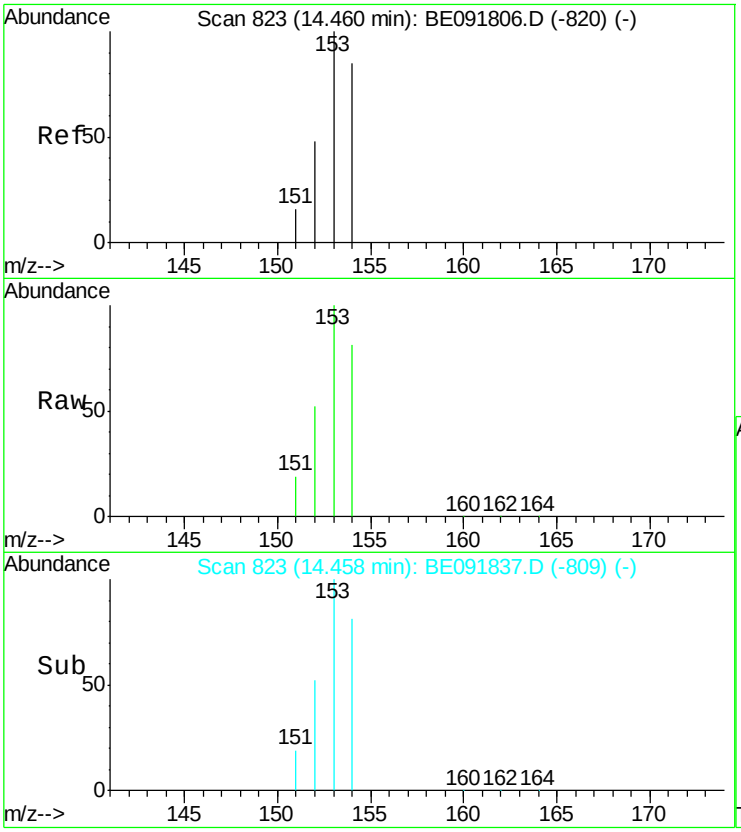


#16
Acenaphthylene
Concen: 3.25 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:152 Resp: 133620

Ion	Ratio	Lower	Upper
152	100		
151	20.4	3.9	5.9#
153	13.8	10.3	15.5

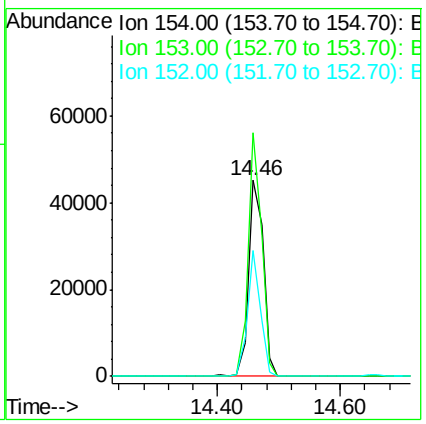




#17
Acenaphthene
Concen: 3.05 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:154 Resp: 75342

Ion	Ratio	Lower	Upper
154	100		
153	113.0	80.0	120.0
152	55.9	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
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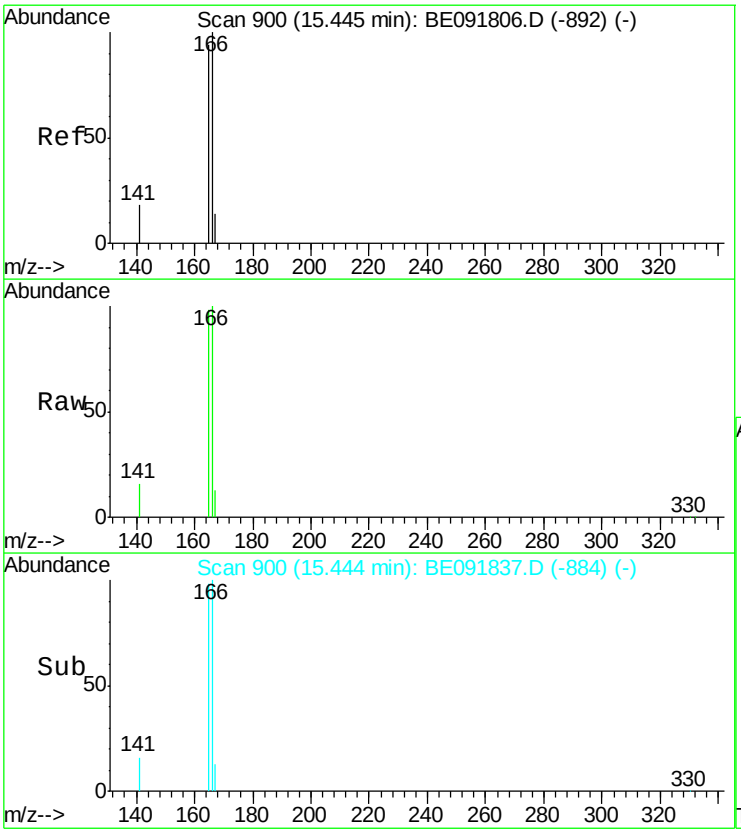
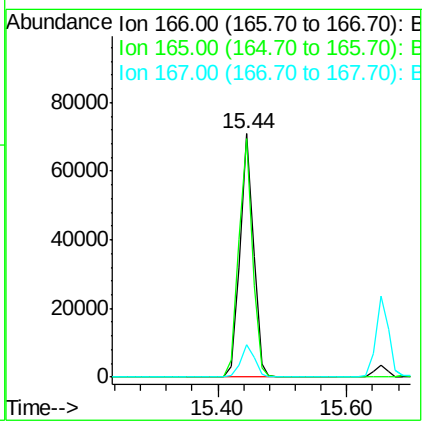
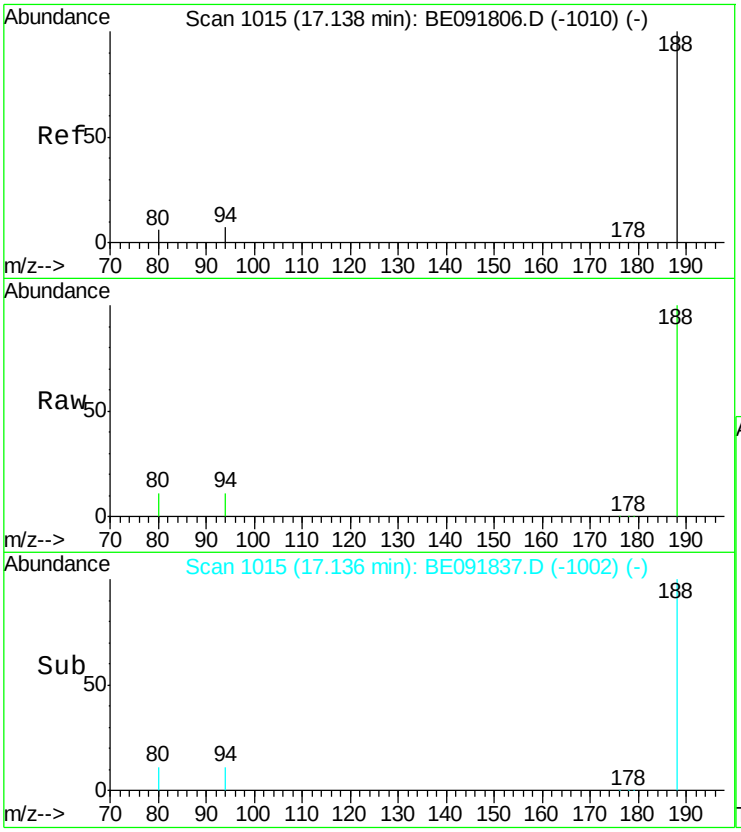


#18
Fluorene
Concen: 3.15 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:166 Resp: 100998

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.8	121.2
167	13.5	10.9	16.3

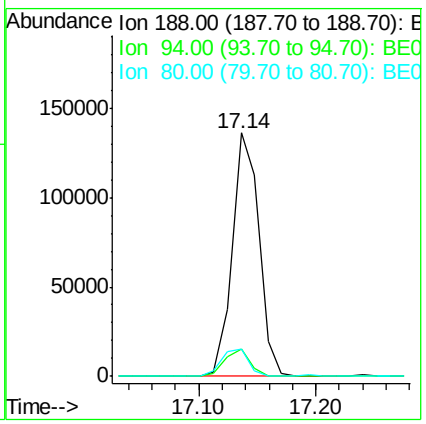




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:188 Resp: 215741

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.7	13.1
80	11.1	9.4	14.0



Instrument :
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ClientSampleId :
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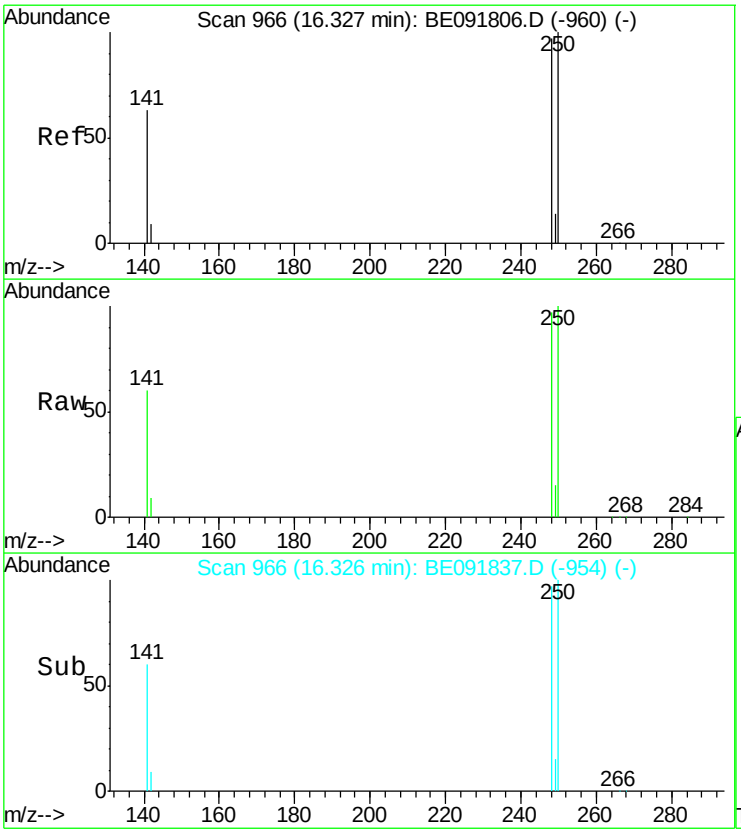
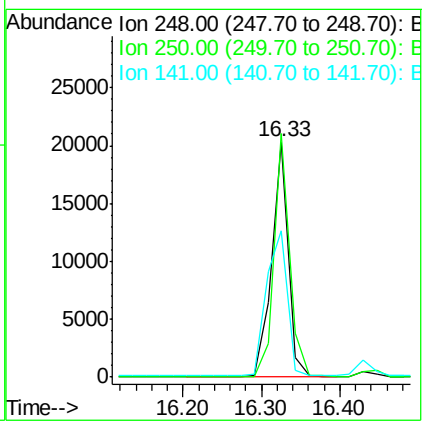
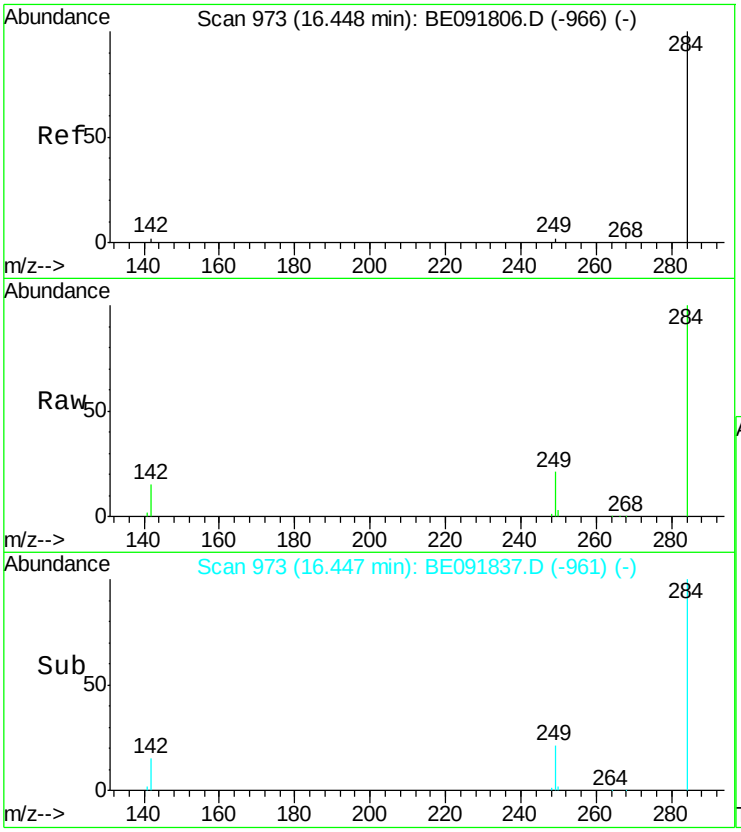


#20
4-Bromophenyl-phenylether
Concen: 3.67 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:248 Resp: 29584

Ion	Ratio	Lower	Upper
248	100		
250	97.5	80.5	120.7
141	78.2	72.0	108.0

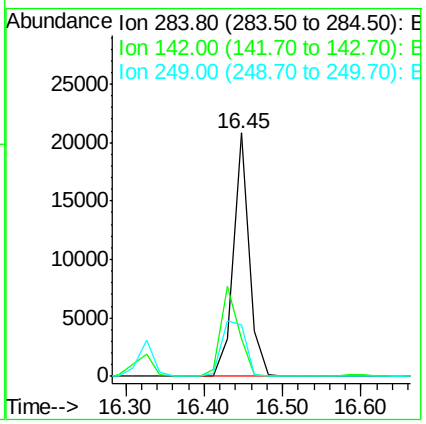




#21
Hexachlorobenzene
Concen: 3.46 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:284 Resp: 29027

Ion	Ratio	Lower	Upper
284	100		
142	40.5	32.2	48.2
249	33.5	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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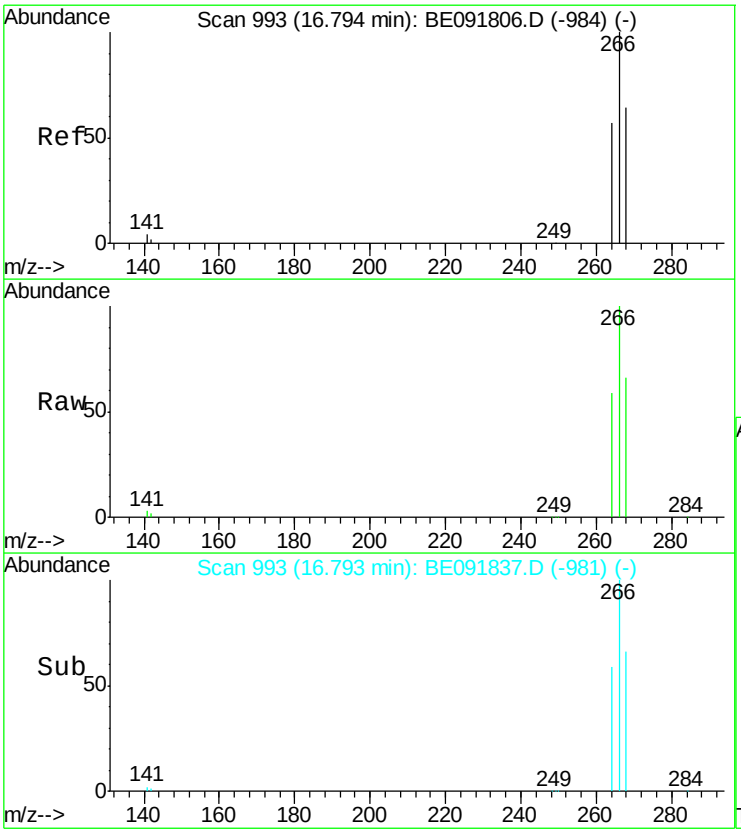
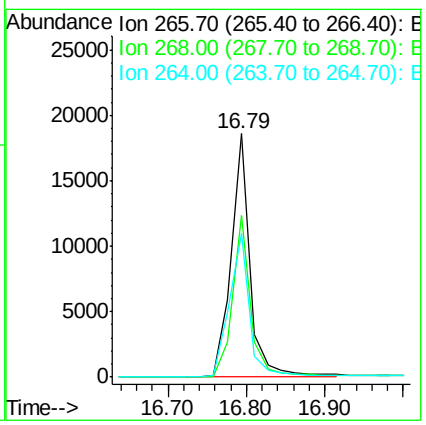
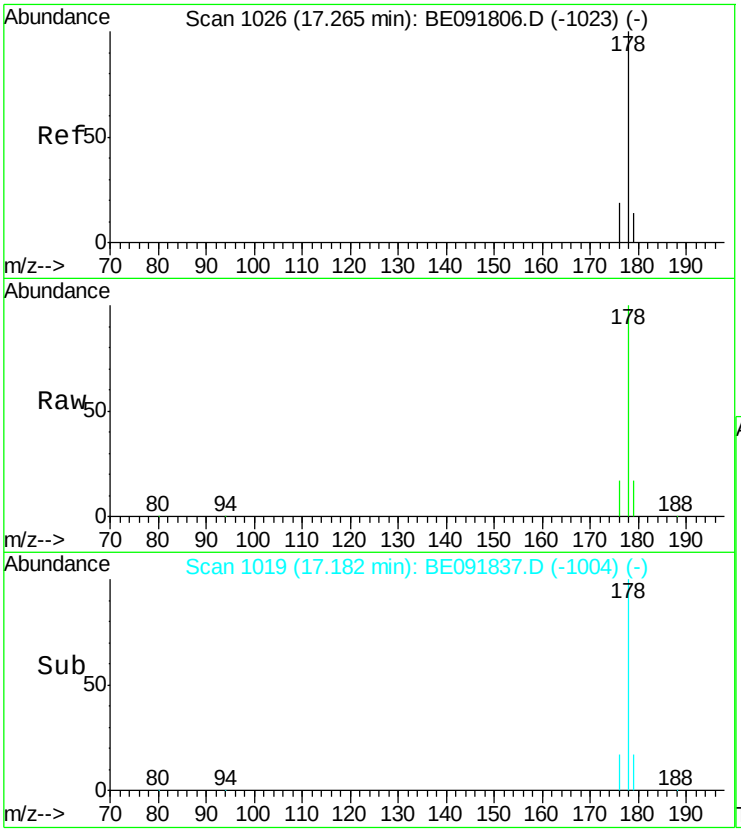


#22
Pentachlorophenol
Concen: 8.87 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:266 Resp: 30792

Ion	Ratio	Lower	Upper
266	100		
268	66.4	58.2	87.2
264	59.1	56.2	84.4

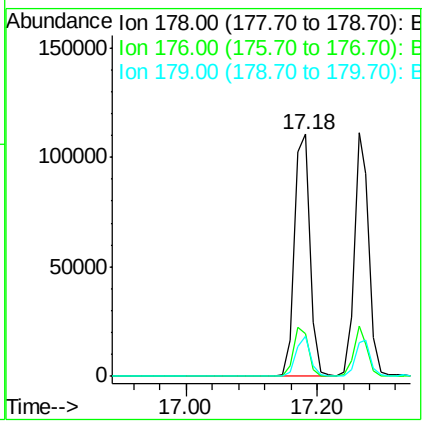




#23
Phenanthrene
Concen: 4.63 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:178 Resp: 196240

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.3	22.9
179	14.1	12.6	18.8



Instrument :
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ClientSampleId :
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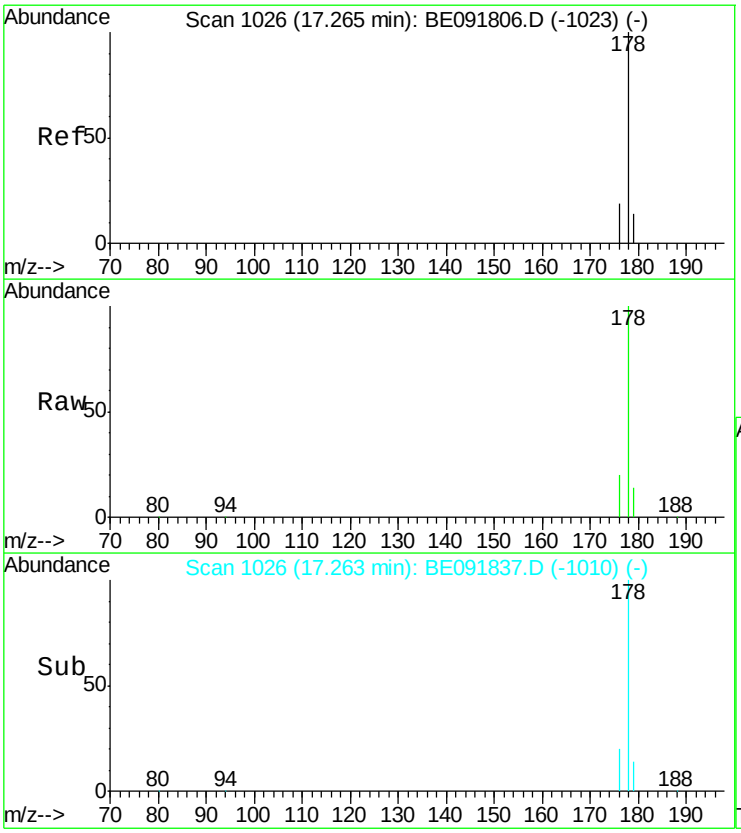
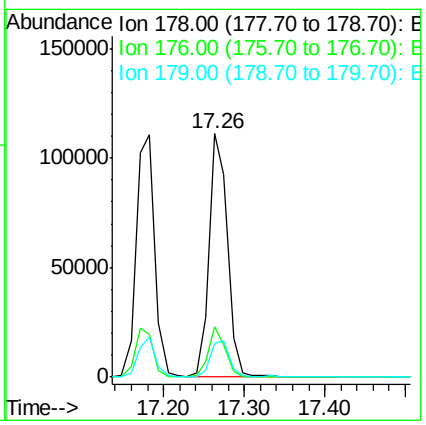
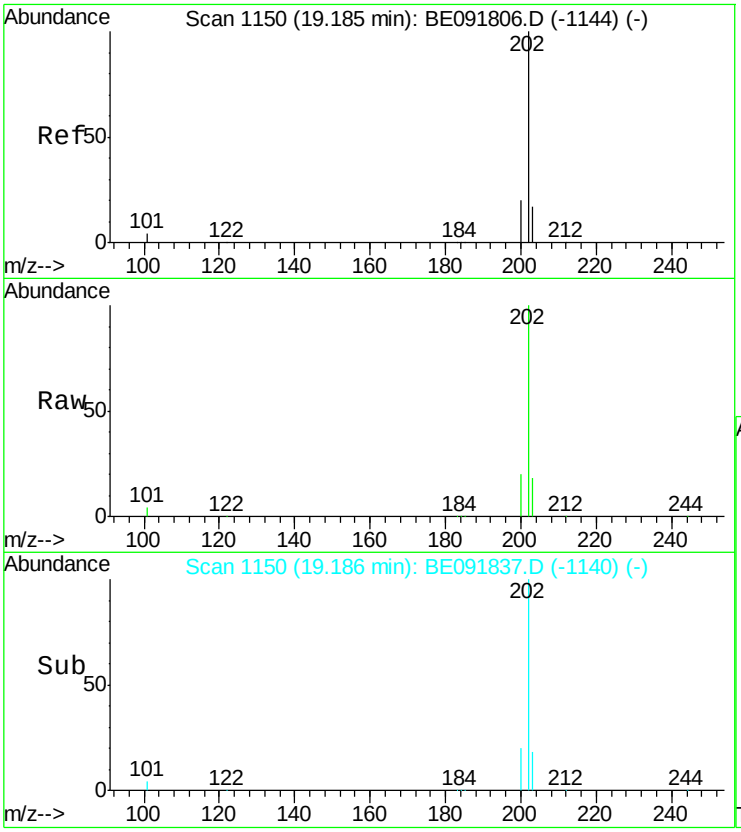


#24
Anthracene
Concen: 3.76 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:178 Resp: 176383

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

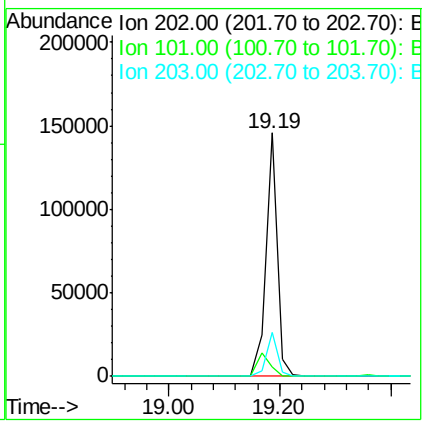




#25
Fluoranthene
Concen: 3.67 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:202 Resp: 210582

Ion	Ratio	Lower	Upper
202	100		
101	11.3	11.0	16.6
203	18.1	13.9	20.9



Instrument :
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ClientSampleId :
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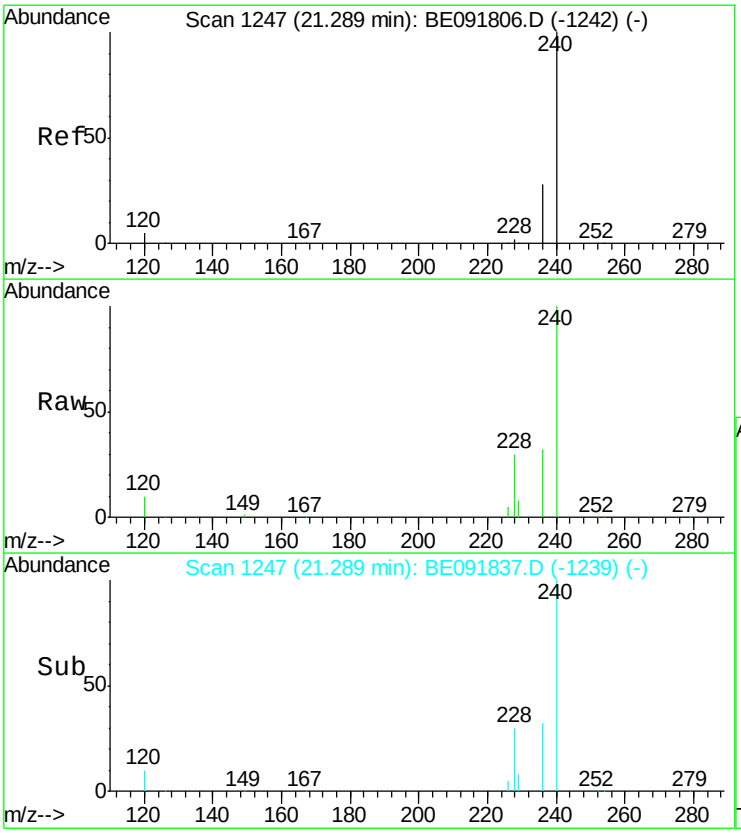
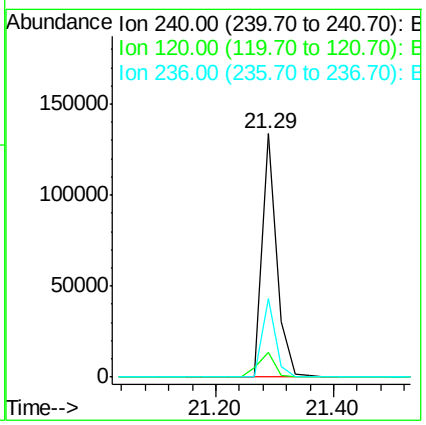
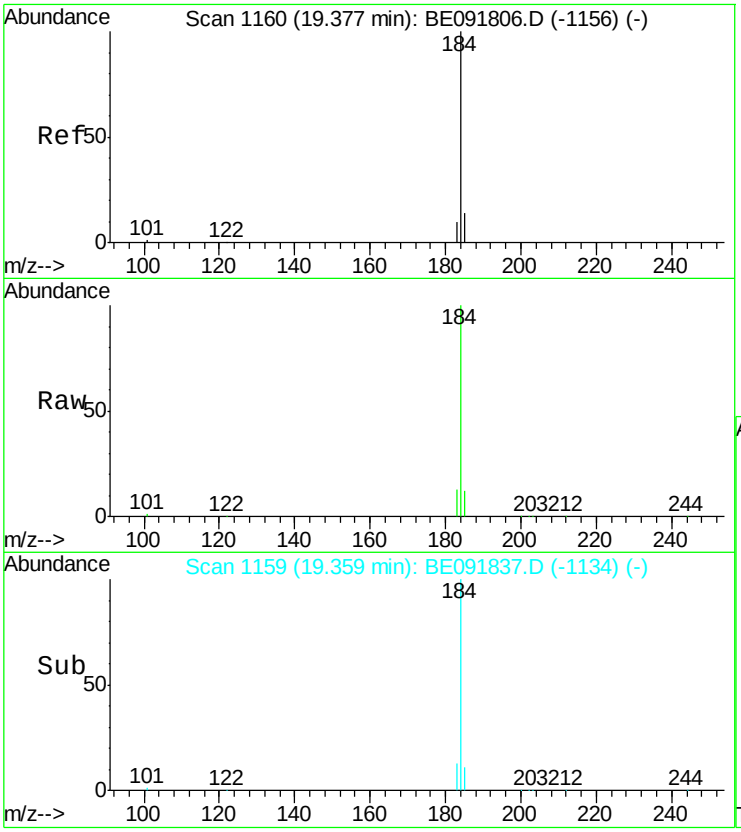


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:240 Resp: 230621

Ion	Ratio	Lower	Upper
240	100		
120	10.1	11.0	16.4#
236	32.3	21.7	32.5





#27
Benzidine
Concen: 5.06 ng
RT: 19.36 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:184 Resp: 115361

Ion	Ratio	Lower	Upper
184	100		
185	11.7	22.3	33.5#
183	12.9	16.4	24.6#

Instrument :
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ClientSampleId :
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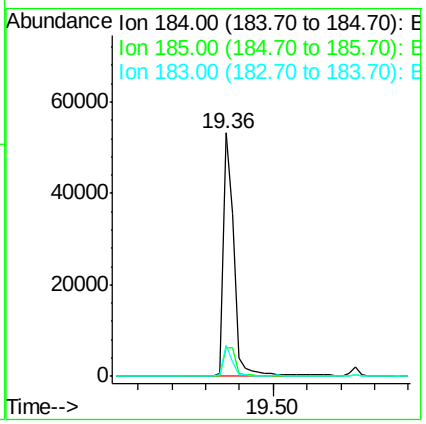
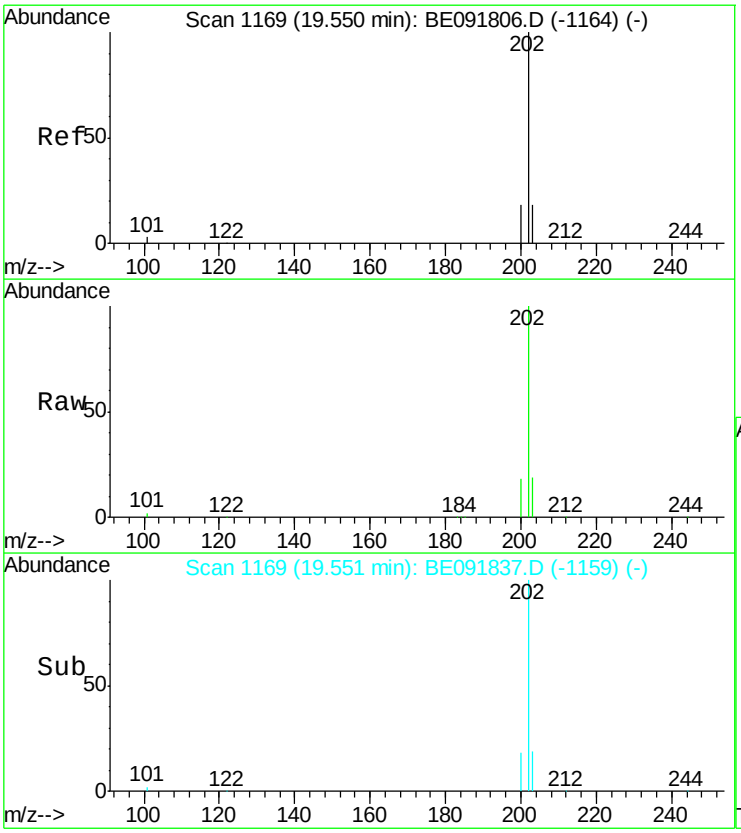
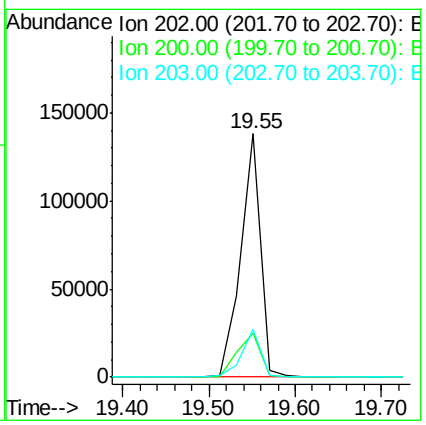


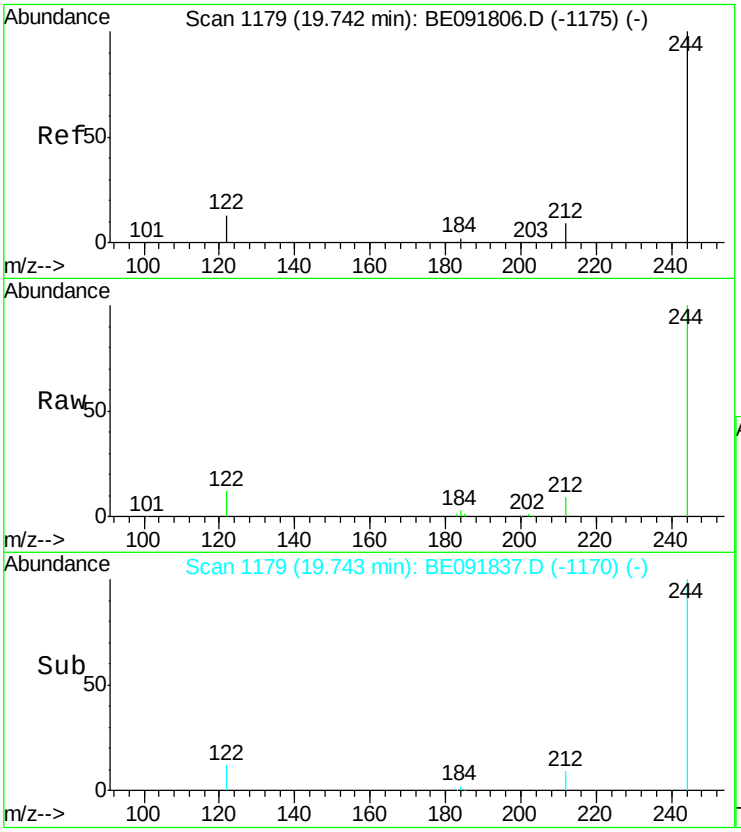


#28
Pyrene
Concen: 4.32 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:202 Resp: 218724

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	18.6	14.0	21.0

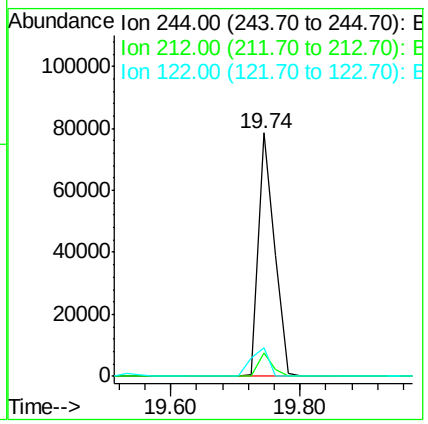




#29
Terphenyl-d14
Concen: 4.21 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:244 Resp: 137581

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.9	10.3
122	11.9	11.0	16.4



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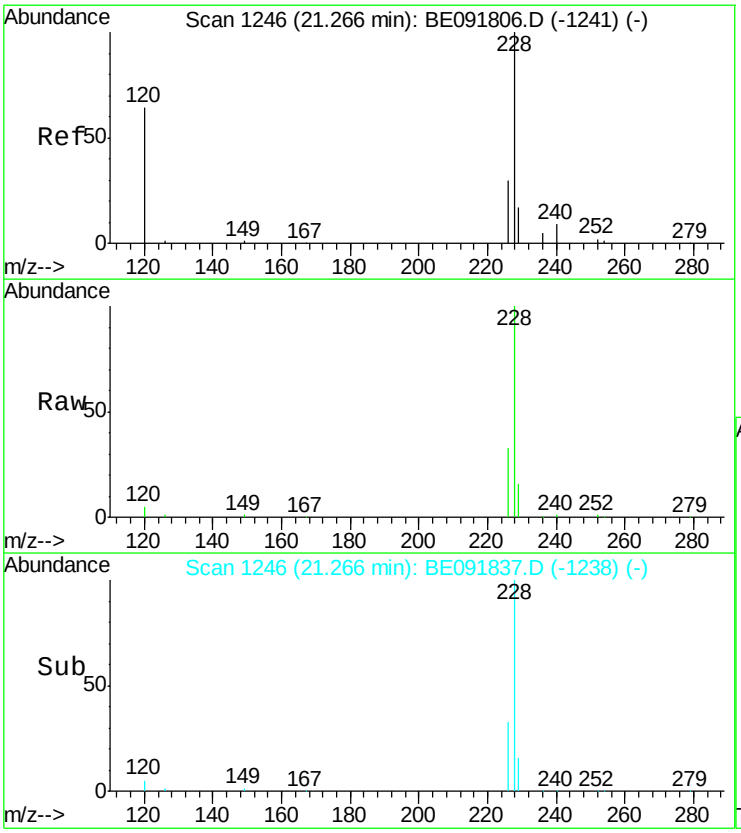
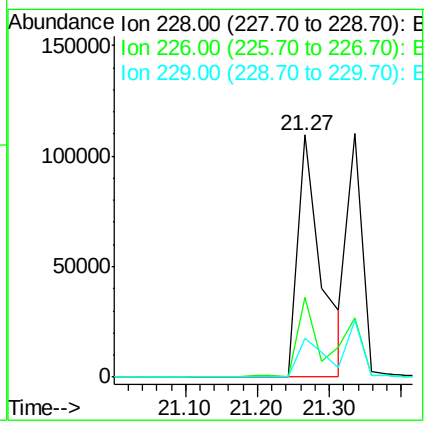
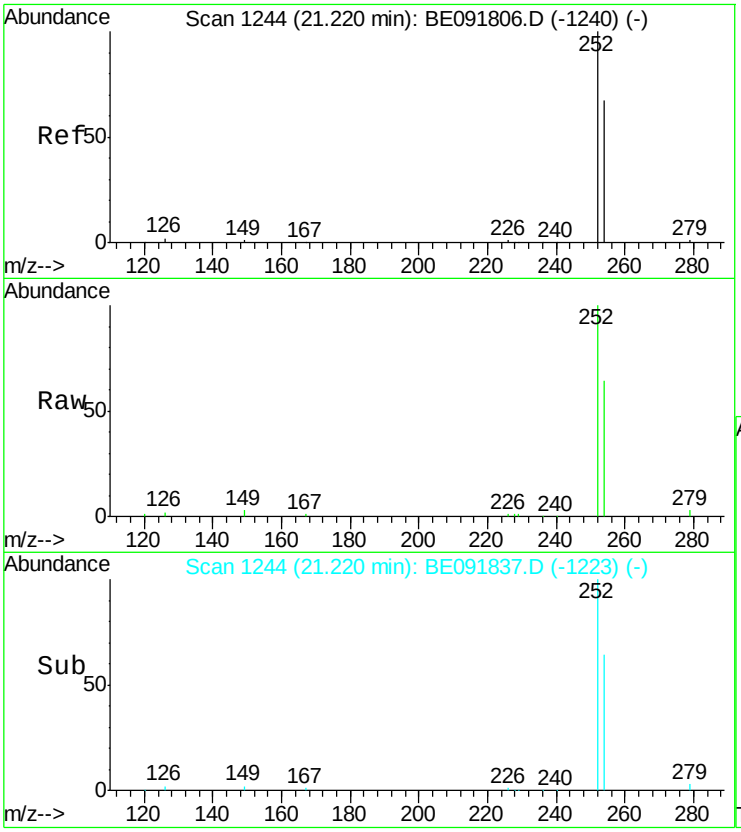


#30
Benzo(a)anthracene
Concen: 4.46 ng
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:228 Resp: 248049

Ion	Ratio	Lower	Upper
228	100		
226	32.9	21.0	31.4#
229	16.1	15.7	23.5

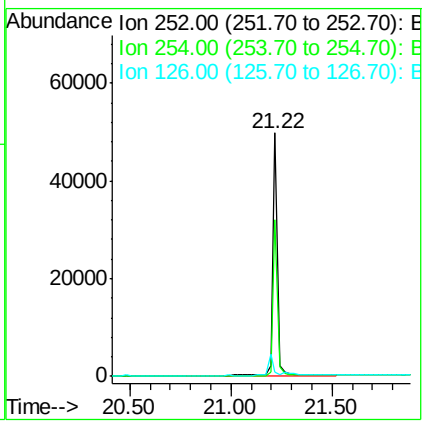




#31
3,3'-Dichlorobenzidine
Concen: 2.20 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:252 Resp: 77979

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.1	76.7
126	1.9	12.6	18.8#



Instrument :
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ClientSampleId :
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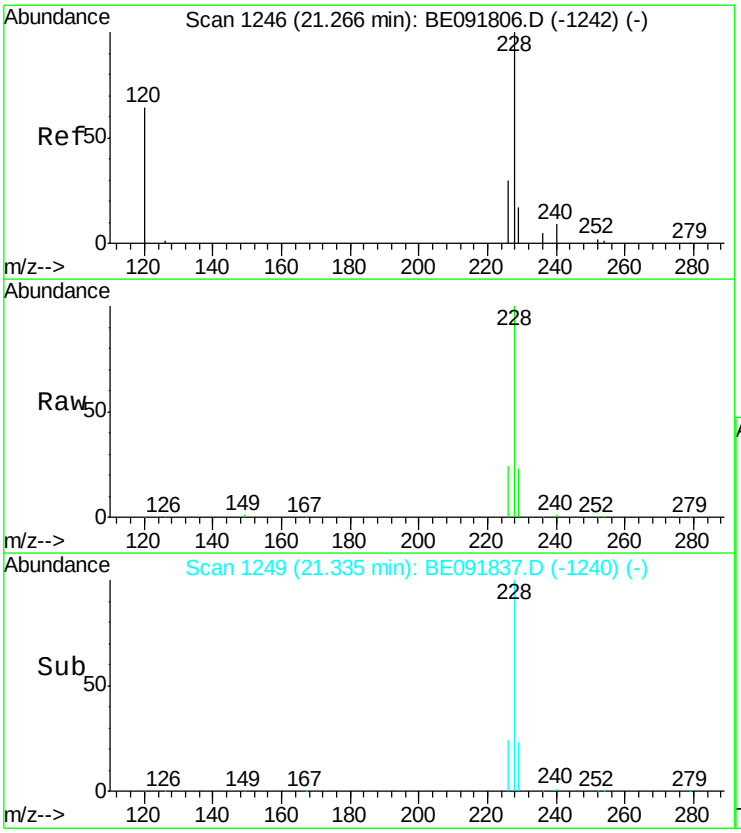
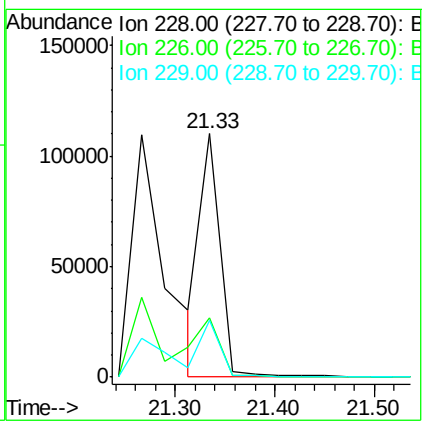
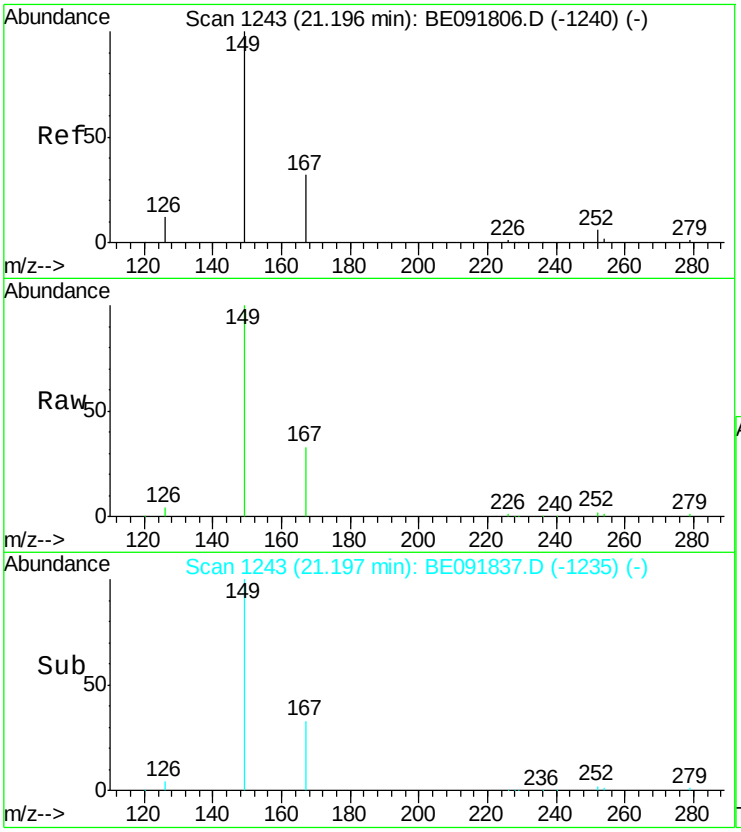


#32
Chrysene
Concen: 3.37 ng m
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:228 Resp: 160359

Ion	Ratio	Lower	Upper
228	100		
226	24.3	24.0	36.0
229	23.1	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 4.67 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Instrument :
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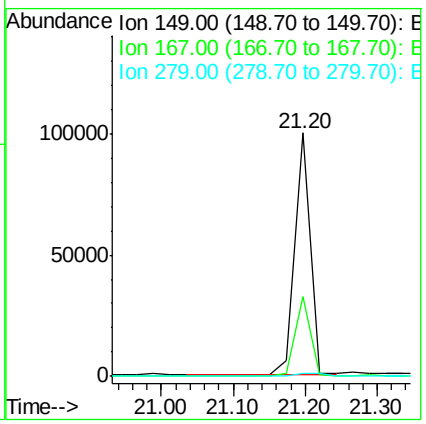
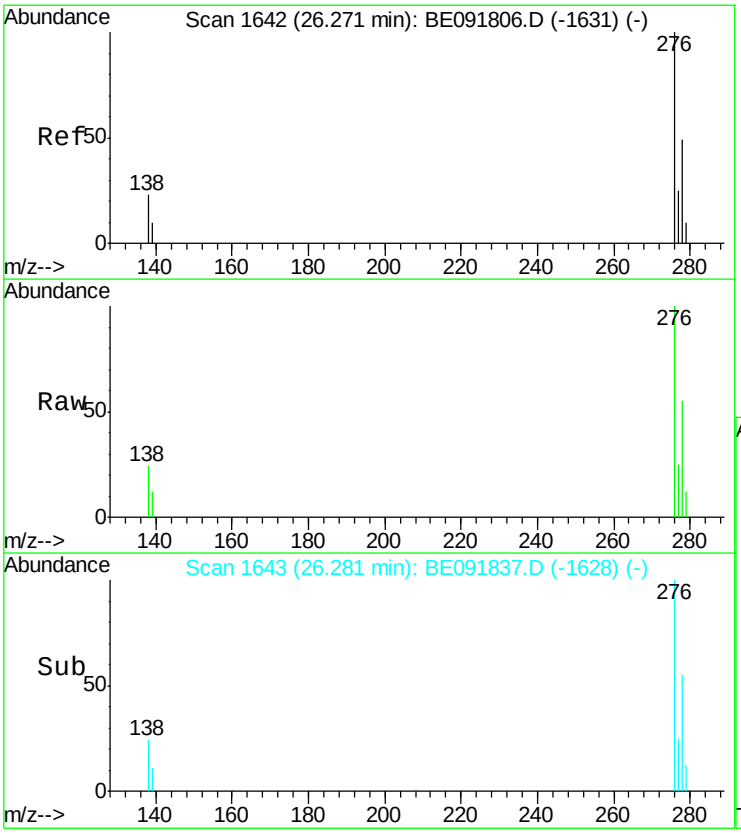
Tgt Ion:149 Resp: 147642

Ion	Ratio	Lower	Upper
149	100		
167	31.7	19.5	29.3#
279	0.0	10.0	15.0#

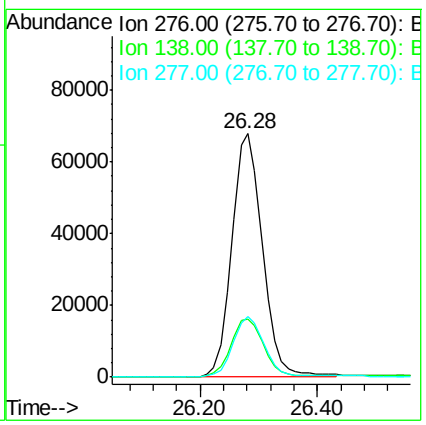


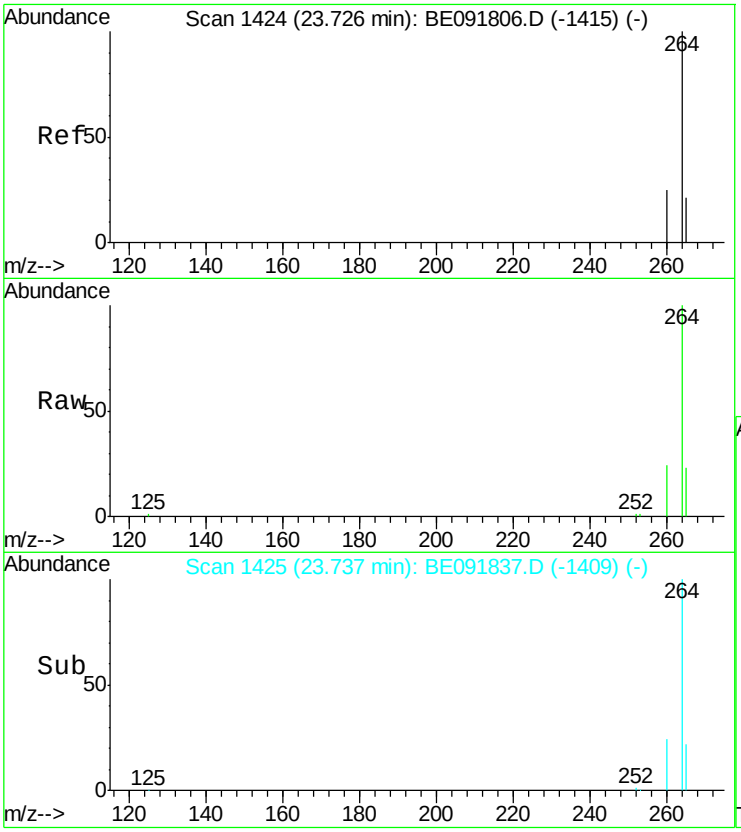


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.26 ng
RT: 26.28 min Scan# 1643
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:276 Resp: 243162

Ion	Ratio	Lower	Upper
276	100		
138	25.0	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: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:264 Resp: 237069

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	23.3	17.5	26.3

Instrument :
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ClientSampleId :
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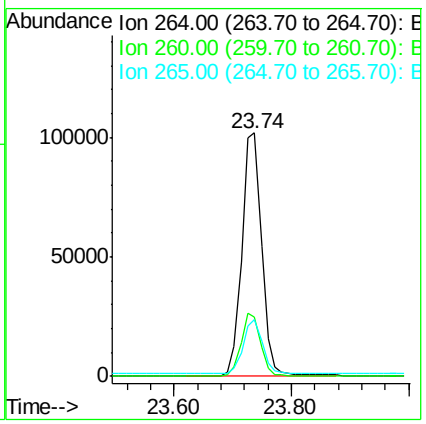
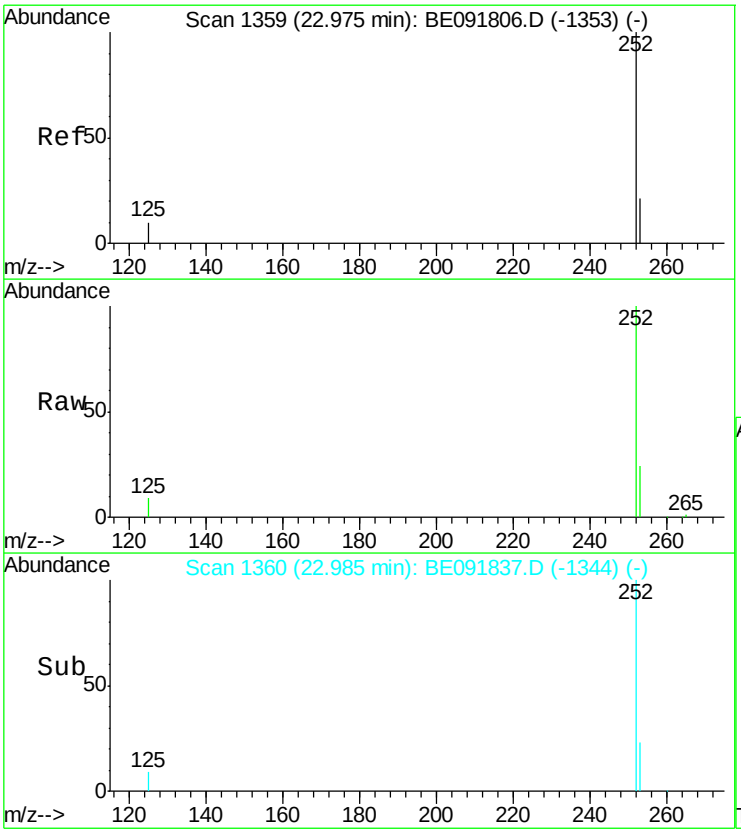
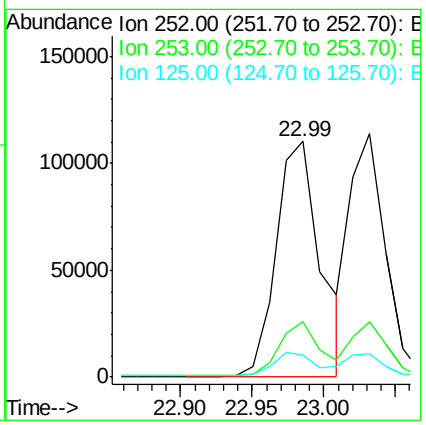


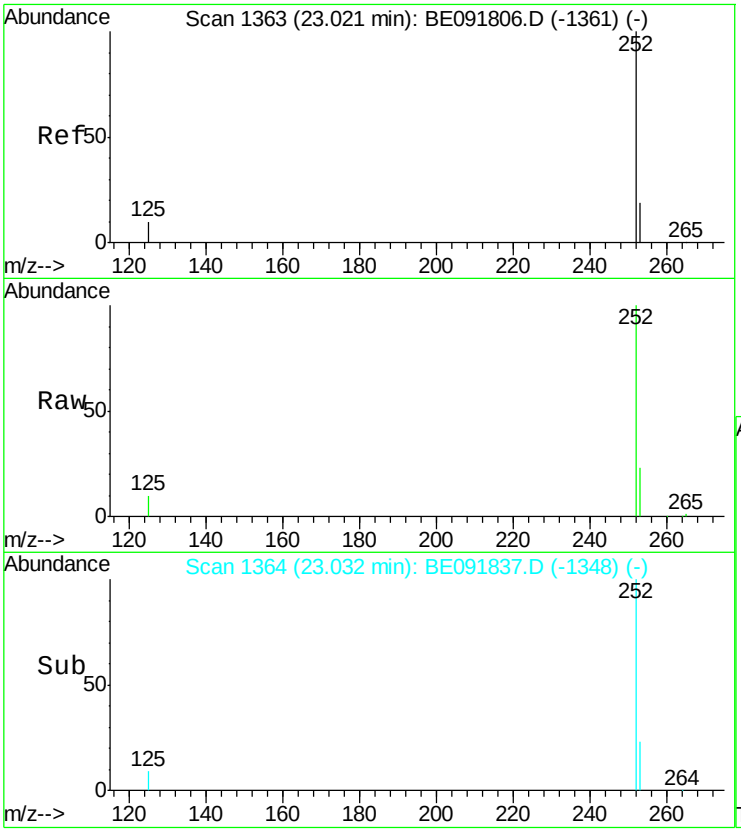


#36
Benzo(b)fluoranthene
Concen: 3.95 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:252 Resp: 234058

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	9.2	10.2	15.2#





#37
Benzo(k)fluoranthene
Concen: 3.26 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:252 Resp: 197770

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.5	9.9	14.9#

Instrument :
BNA_E
ClientSampleId :
PB90761BSD

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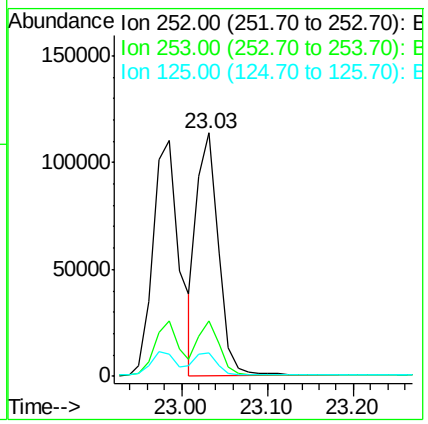
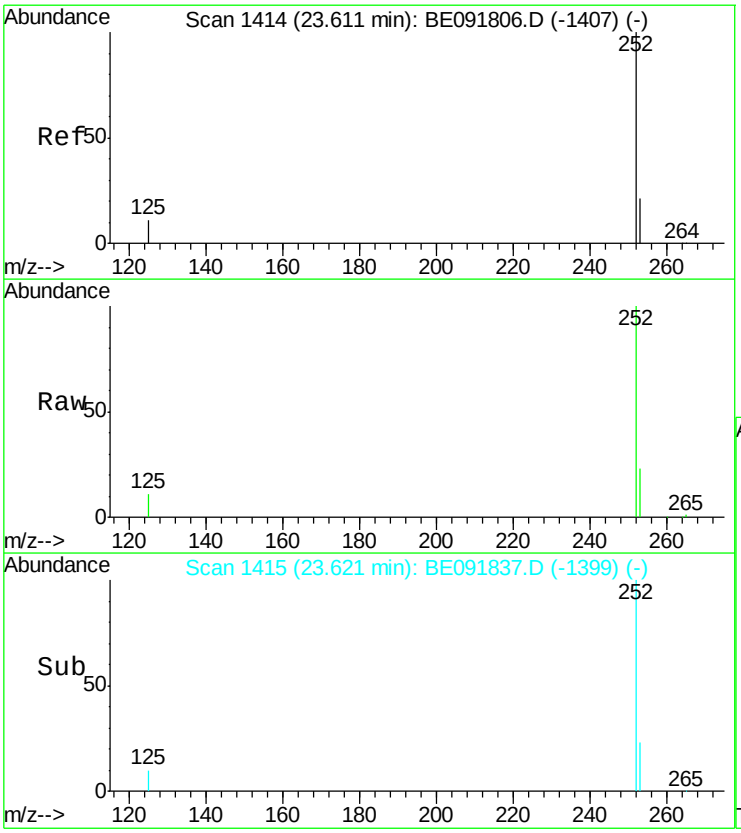
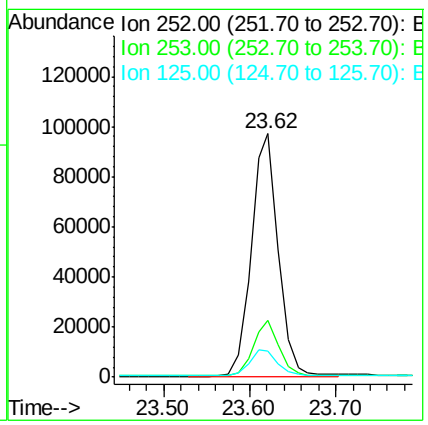


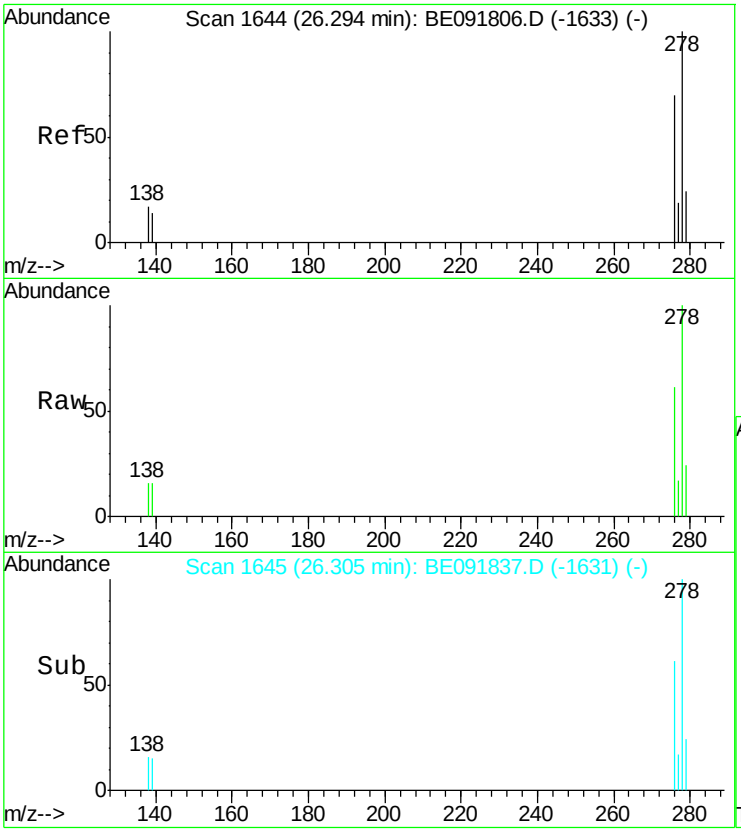


#38
Benzo(a)pyrene
Concen: 3.72 ng
RT: 23.62 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:252 Resp: 210573

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.7	11.0	16.4#

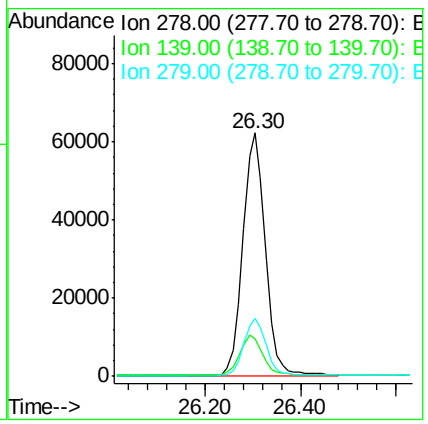




#39
Dibenzo(a,h)anthracene
Concen: 3.66 ng
RT: 26.30 min Scan# 1645
Delta R.T. -0.04 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

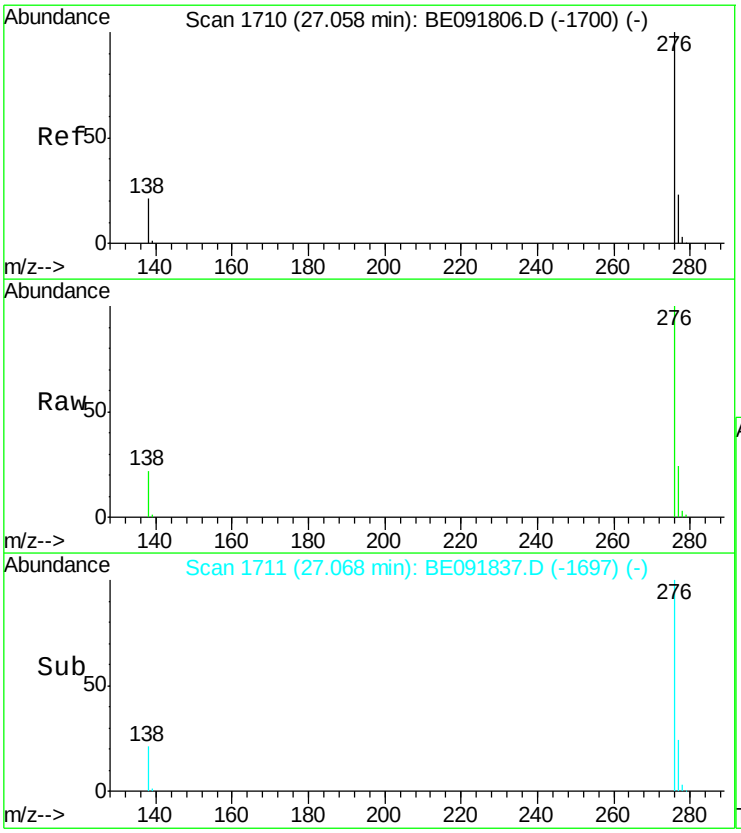
Tgt Ion:278 Resp: 202347

Ion	Ratio	Lower	Upper
278	100		
139	15.5	16.0	24.0#
279	24.0	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
PB90761BSD

Manual Integrations APPROVED
umangi
5/20/2016 7:27:17 PM



#40
Benzo(g,h,i)perylene
Concen: 3.58 ng
RT: 27.07 min Scan# 1711
Delta R.T. -0.04 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:276 Resp: 204053

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	21.5	20.4	30.6