Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032216\
Data File : BE091507.D
Acq On : 22 Mar 2016 19:40
Operator : UM/SJ
Sample : PB88982BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB88982BSD

Manual Integrations APPROVED
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Quant Time: Mar 23 02:21:03 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 23 02:10:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	52275	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	220185	5.00	ng		0.00
10) Acenaphthene-d10	14.43	164	109802	5.00	ng		-0.01
16) Phenanthrene-d10	17.17	188	248612	5.00	ng		0.00
22) Chrysene-d12	21.33	240	302741	5.00	ng		0.00
28) Perylene-d12	23.78	264	324112	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	100055	8.33	ng		-0.02
5) Phenol-d6	6.97	99	132815	8.47	ng		-0.02
7) Nitrobenzene-d5	8.97	82	48286	4.05	ng		-0.01
11) 2,4,6-Tribromophenol	15.92	330	26990	6.71	ng		0.00
12) 2-Fluorobiphenyl	13.06	172	139969	5.06	ng		-0.01
24) Terphenyl-d14	19.78	244	177988	4.89	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	21966	3.37	ng	#	72
3) n-Nitrosodimethylamine	3.66	42	33309	3.59	ng	#	99
8) Naphthalene	10.65	128	183184	3.41	ng	#	93
9) 2-Methylnaphthalene	12.26	142	120397	3.48	ng		95
13) Acenaphthylene	14.15	152	178742	3.26	ng		99
14) Acenaphthene	14.50	154	116888	3.46	ng		99
15) Fluorene	15.48	166	139092	3.25	ng		99
17) Hexachlorobenzene	16.48	284	37825	3.49	ng		96
18) Pentachlorophenol	16.81	266	34956	6.13	ng		96
19) Phenanthrene	17.21	178	239958	3.38	ng		99
20) Anthracene	17.30	178	218017	3.50	ng		99
21) Fluoranthene	19.23	202	246584	3.03	ng		99
23) Pyrene	19.57	202	267963	3.56	ng		98
25) Benzo(a)anthracene	21.31	228	324161m	3.89	ng		
26) Chrysene	21.36	228	315388m	4.09	ng		
27) Indeno(1,2,3-cd)pyrene	26.37	276	391477	4.51	ng		99
29) Benzo(b)fluoranthene	23.03	252	335385	3.27	ng		96
30) Benzo(k)fluoranthene	23.08	252	328388	3.14	ng		93
31) Benzo(a)pyrene	23.68	252	305995	3.39	ng	#	95
32) Dibenzo(a,h)anthracene	26.40	278	330991	3.72	ng		97
33) Benzo(g,h,i)perylene	27.16	276	336806	3.64	ng		99

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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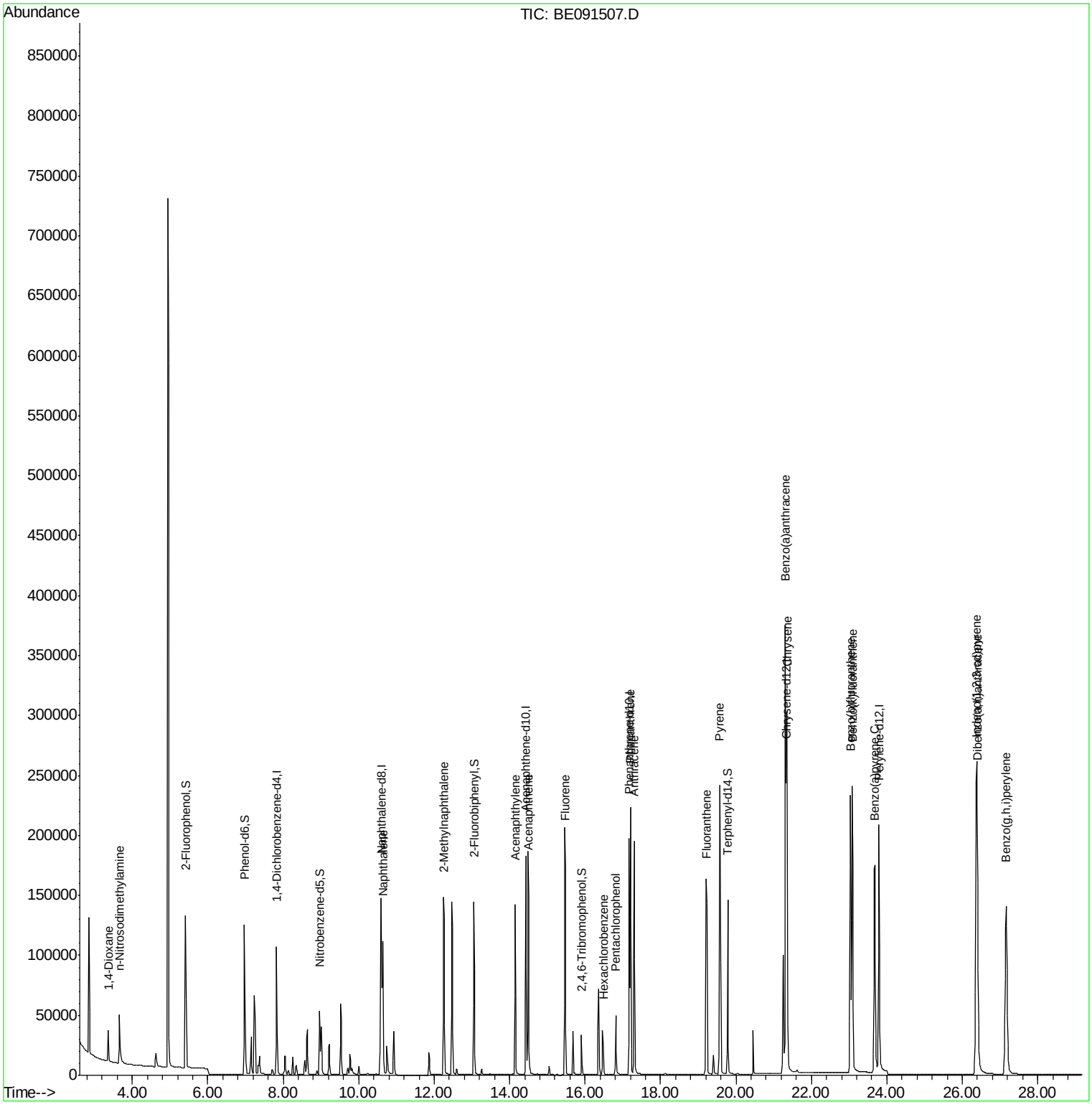
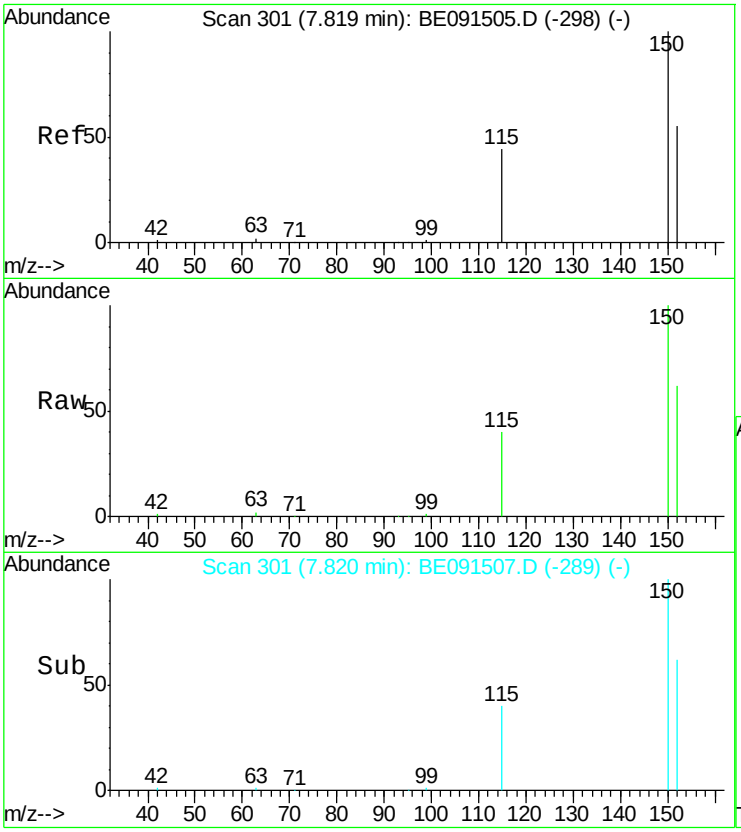
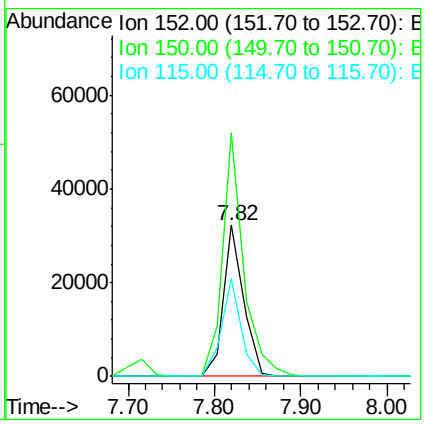




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:152 Resp: 52275

Ion	Ratio	Lower	Upper
152	100		
150	161.1	122.2	183.2
115	64.5	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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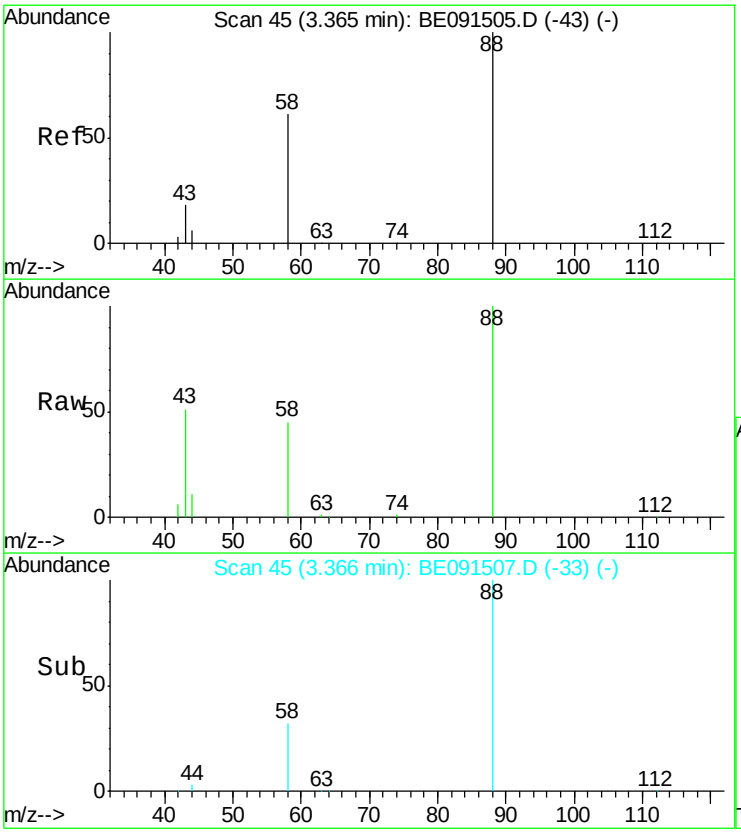
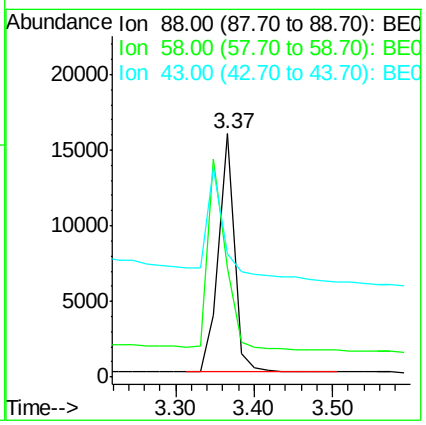
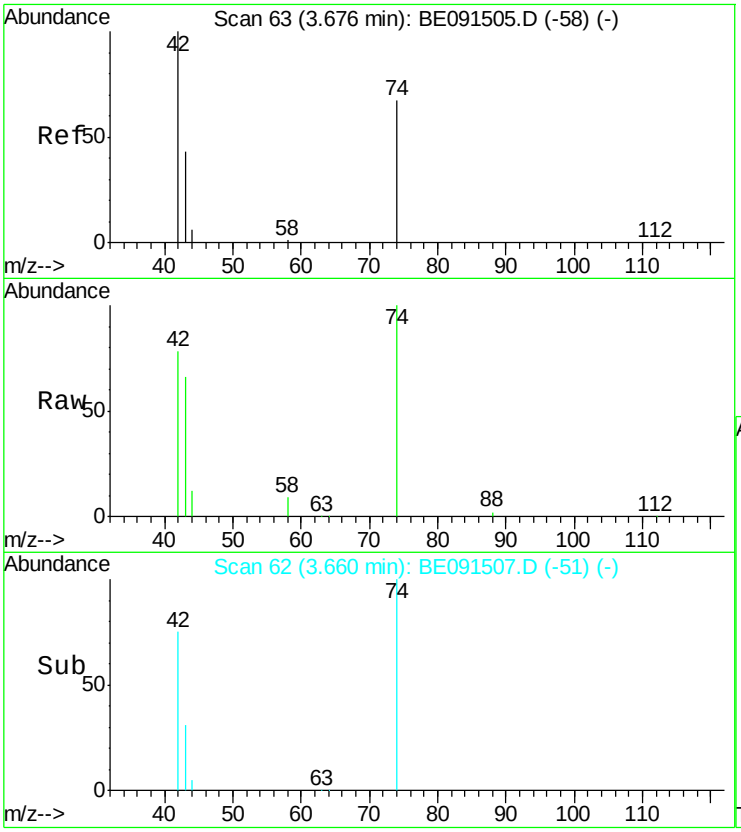


#2
1,4-Dioxane
Concen: 3.37 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion: 88 Resp: 21966

Ion	Ratio	Lower	Upper
88	100		
58	92.0	61.0	91.6#
43	60.5	25.4	38.2#

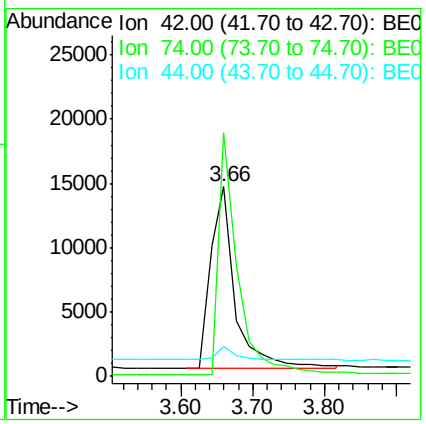




#3
n-Nitrosodimethylamine
Concen: 3.59 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.02 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion: 42 Resp: 33309

Ion	Ratio	Lower	Upper
42	100		
74	106.4	84.3	126.5
44	6.1	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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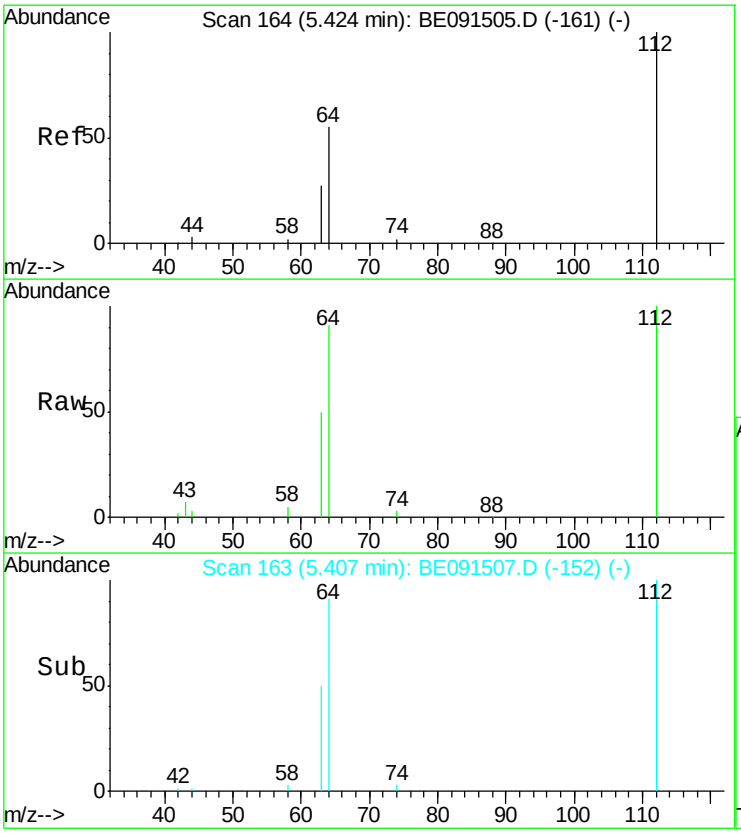
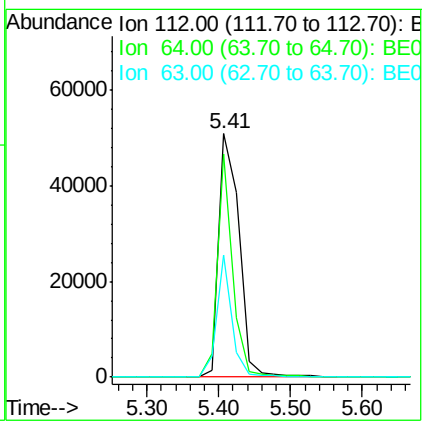
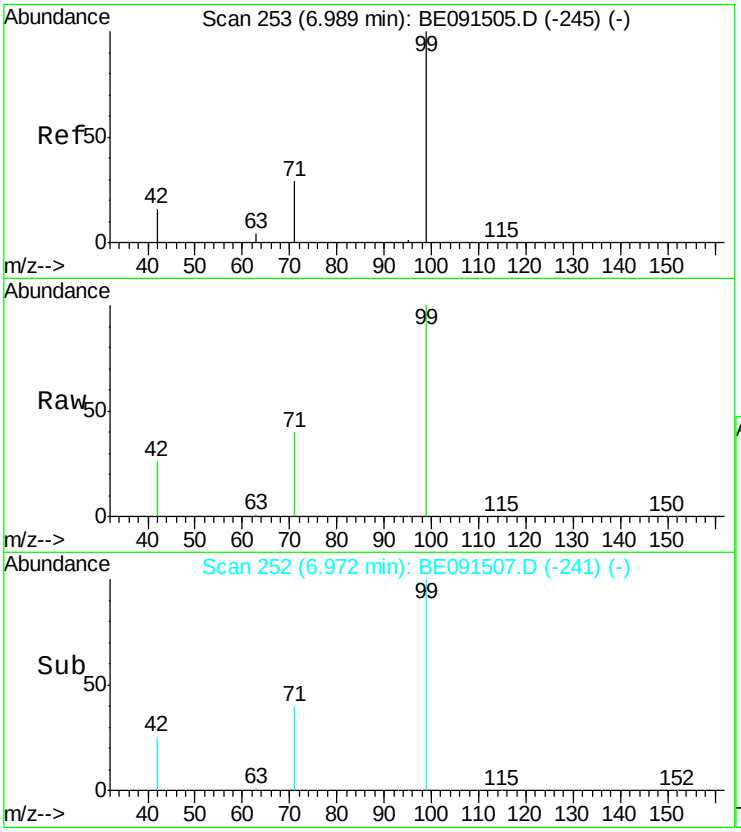


#4
2-Fluorophenol
Concen: 8.33 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:112 Resp: 100055

Ion	Ratio	Lower	Upper
112	100		
64	68.9	53.3	79.9
63	37.4	29.8	44.8

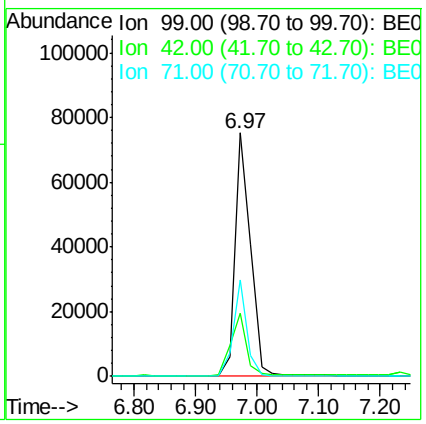




#5
Phenol-d6
Concen: 8.47 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion: 99 Resp: 132815

Ion	Ratio	Lower	Upper
99	100		
42	25.6	20.6	30.8
71	35.4	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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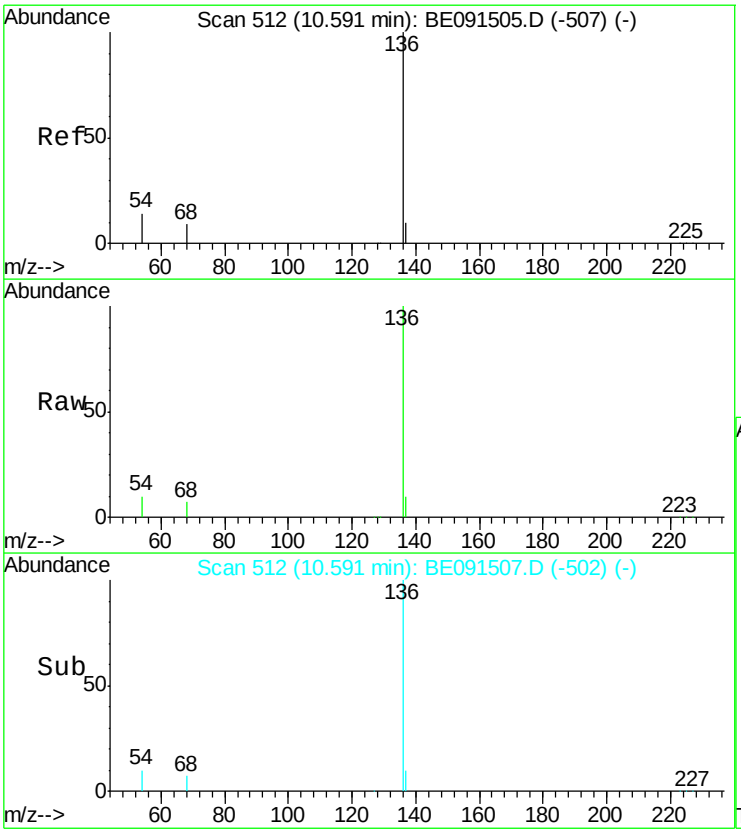
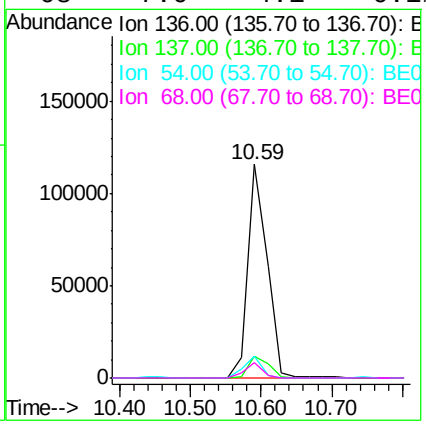
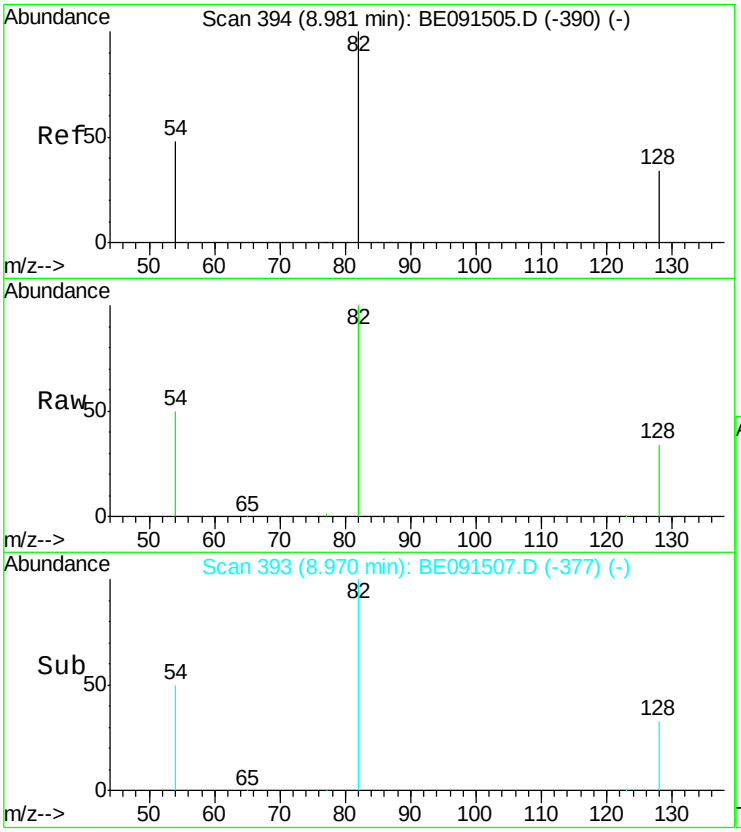


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:136 Resp: 220185

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	10.1	5.2	7.8#
68	7.0	4.1	6.1#

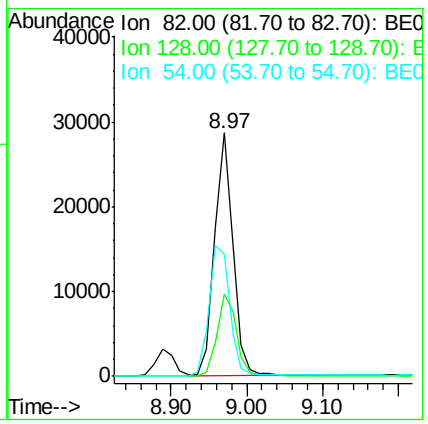




#7
Nitrobenzene-d5
Concen: 4.05 ng
RT: 8.97 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion: 82 Resp: 48286

Ion	Ratio	Lower	Upper
82	100		
128	33.6	23.5	35.3
54	50.4	52.4	78.6#



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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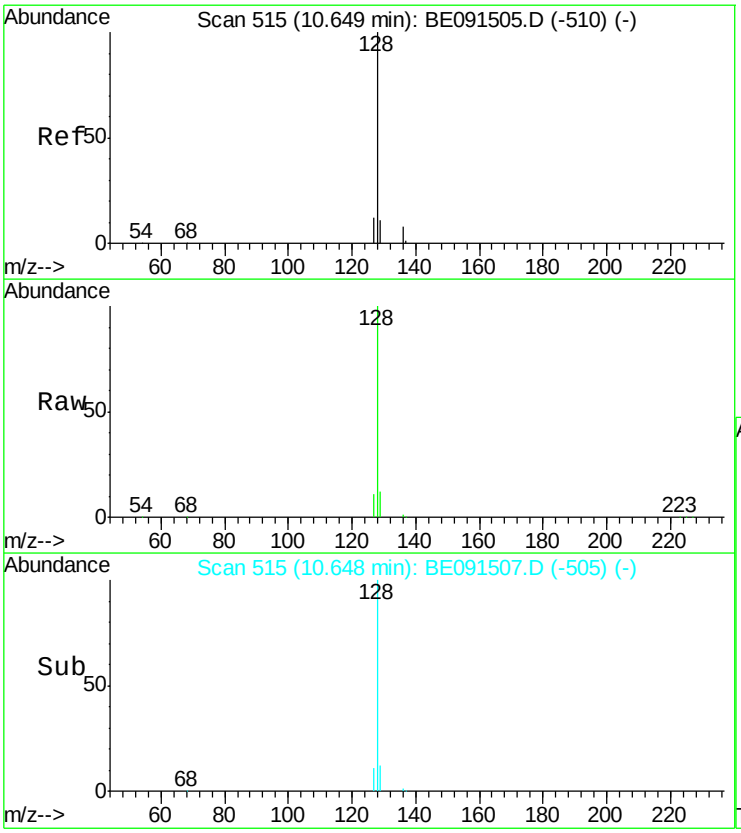
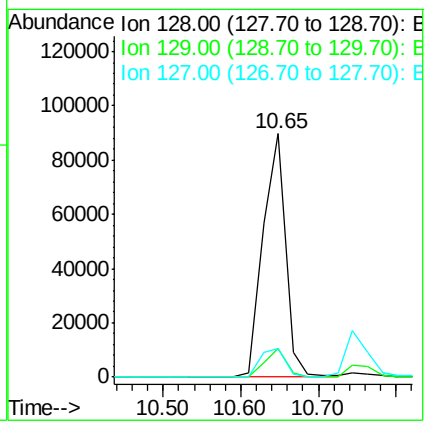
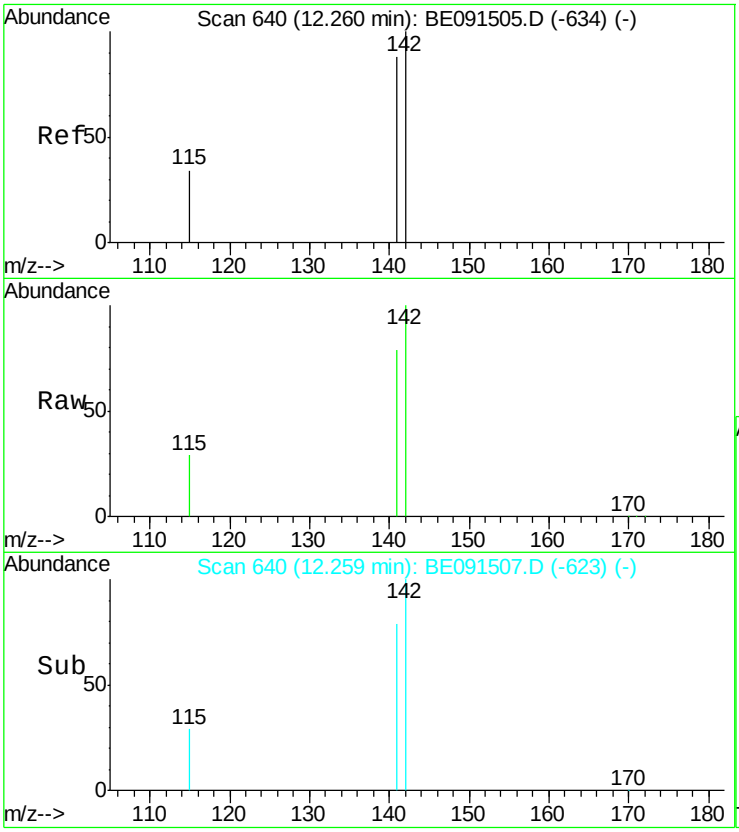


#8
Naphthalene
Concen: 3.41 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:128 Resp: 183184

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.2	12.2
127	11.5	11.8	17.8#

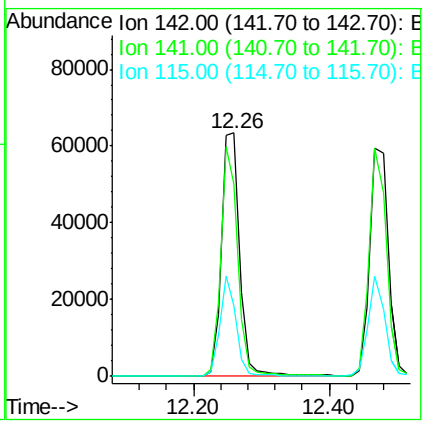




#9
2-Methylnaphthalene
Concen: 3.48 ng
RT: 12.26 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:142 Resp: 120397

Ion	Ratio	Lower	Upper
142	100		
141	79.2	66.9	100.3
115	28.8	25.1	37.7



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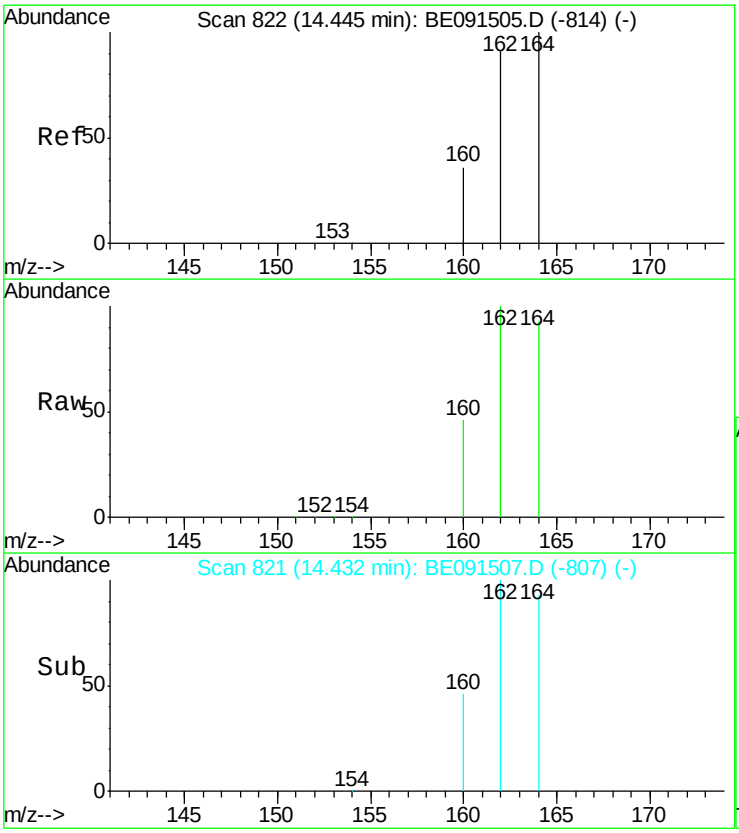
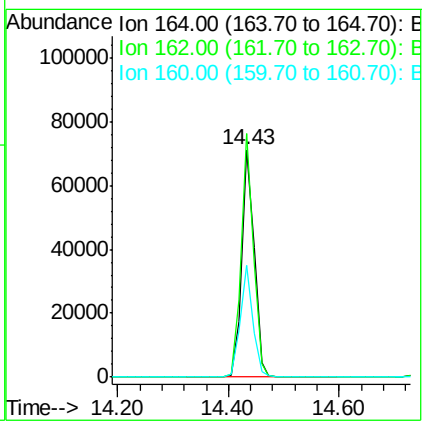
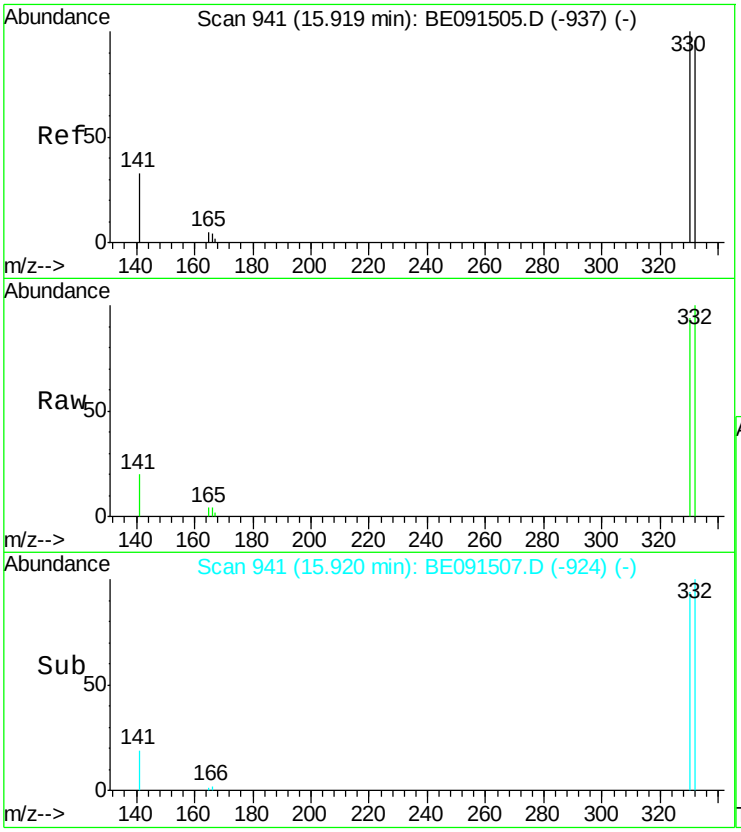


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.43 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:164 Resp: 109802

Ion	Ratio	Lower	Upper
164	100		
162	107.2	84.4	126.6
160	49.3	37.7	56.5

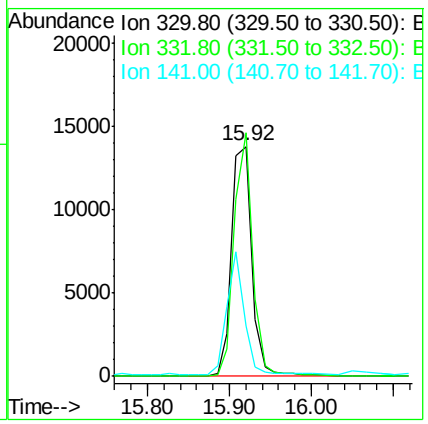




#11
2,4,6-Tribromophenol
Concen: 6.71 ng
RT: 15.92 min Scan# 941
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:330 Resp: 26990

Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.2	118.8
141	40.3	28.1	42.1



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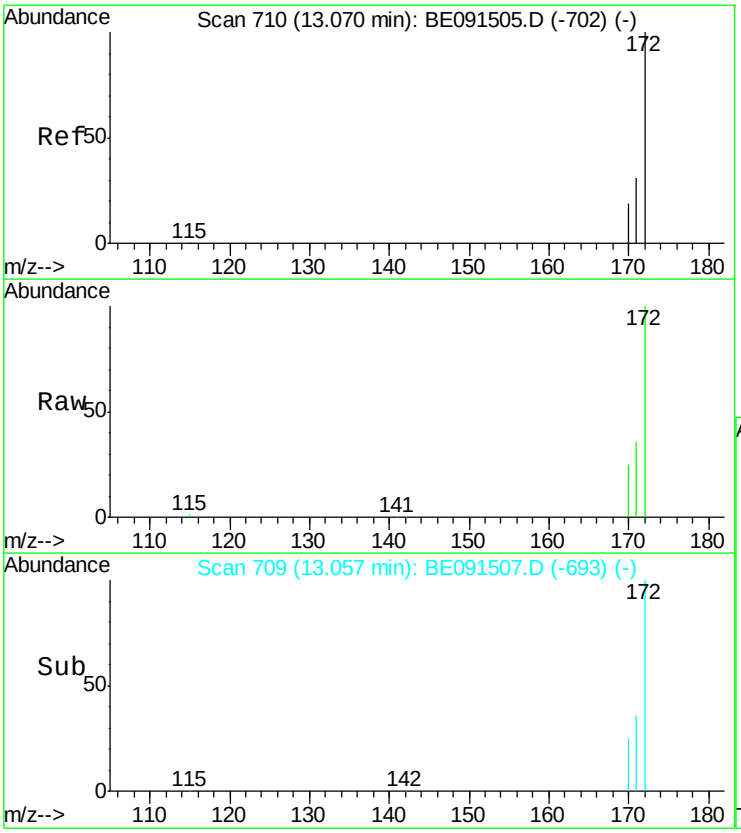
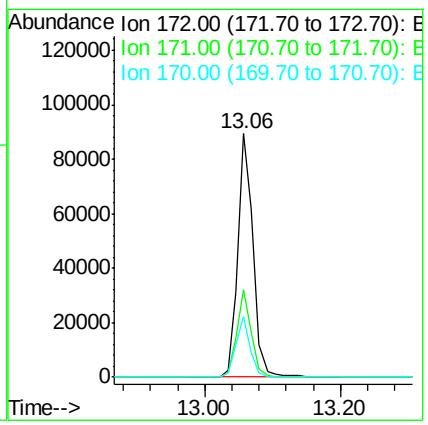
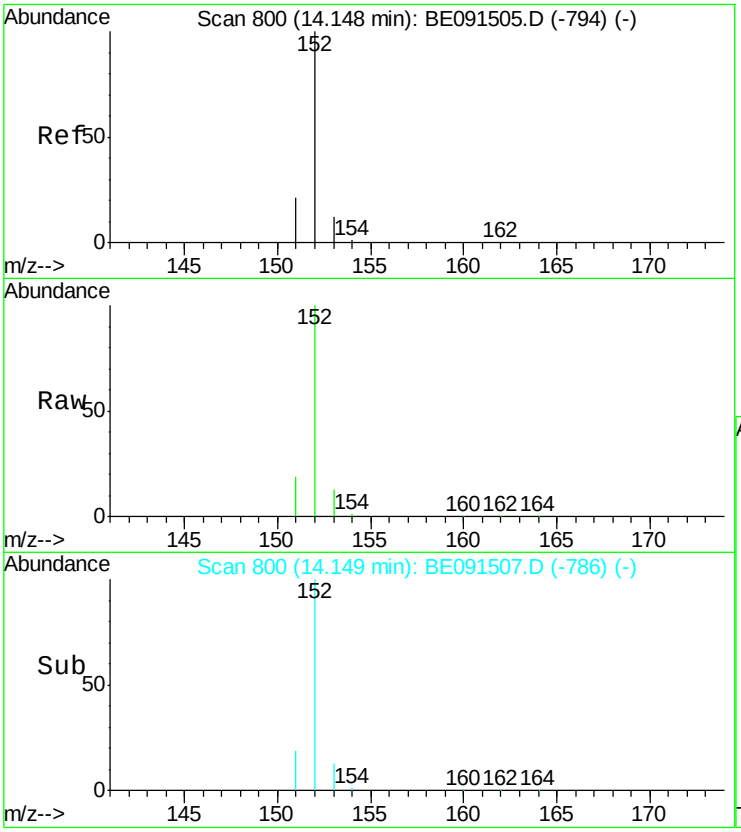


#12
2-Fluorobiphenyl
Concen: 5.06 ng
RT: 13.06 min Scan# 709
Delta R.T. -0.01 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:172 Resp: 139969

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.8
170	24.8	21.4	32.2

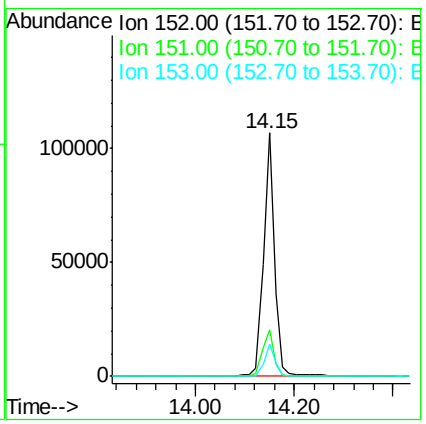




#13
Acenaphthylene
Concen: 3.26 ng
RT: 14.15 min Scan# 800
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:152 Resp: 178742

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.5	11.1	16.7



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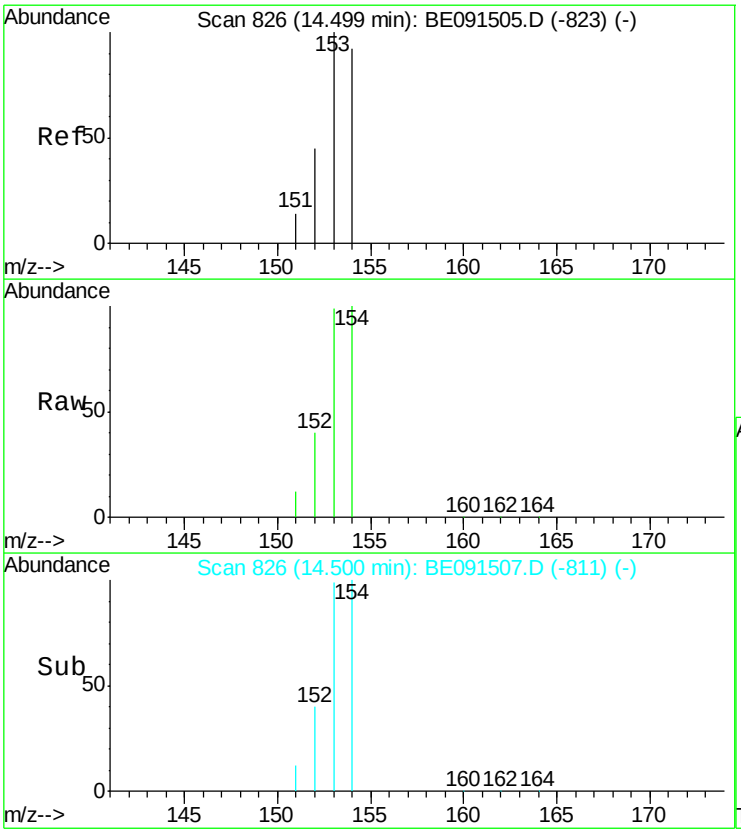
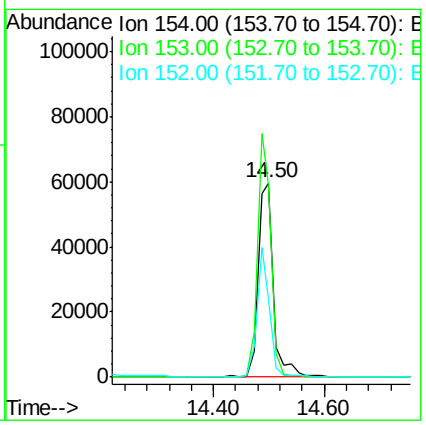
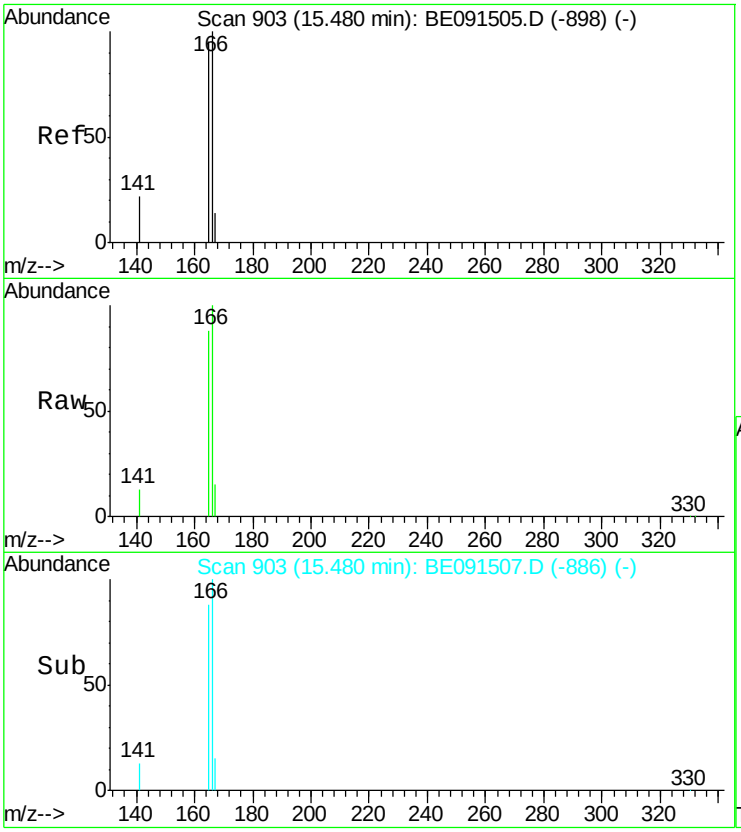


#14
Acenaphthene
Concen: 3.46 ng
RT: 14.50 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:154 Resp: 116888

Ion	Ratio	Lower	Upper
154	100		
153	108.5	87.3	130.9
152	53.0	42.9	64.3

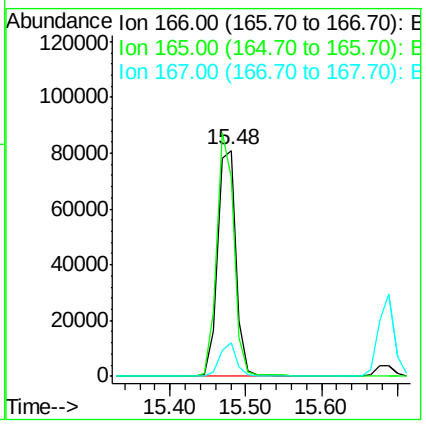




#15
Fluorene
Concen: 3.25 ng
RT: 15.48 min Scan# 903
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:166 Resp: 139092

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.2	118.8
167	13.6	10.8	16.2



Instrument :
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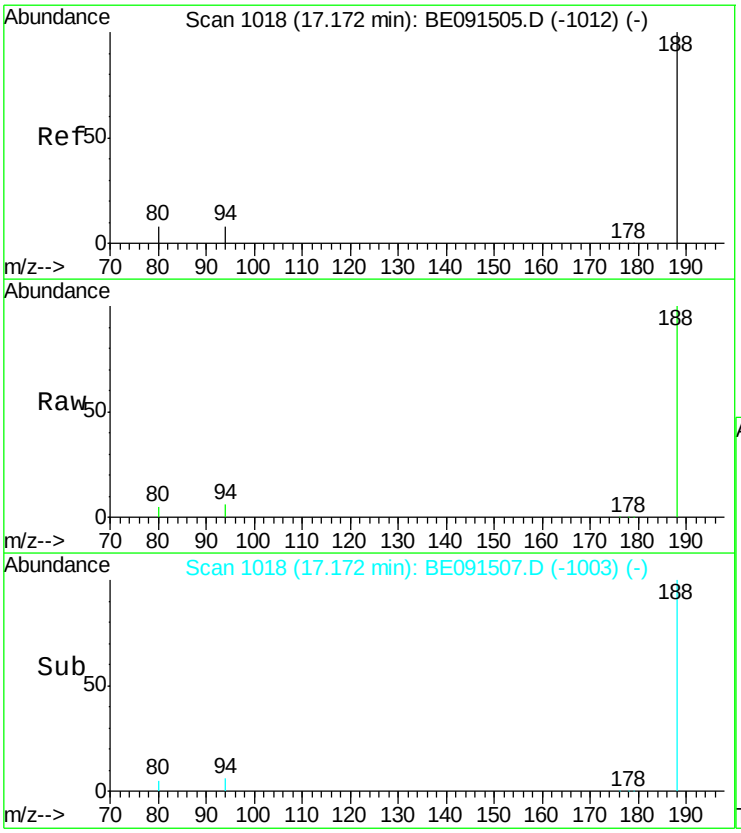
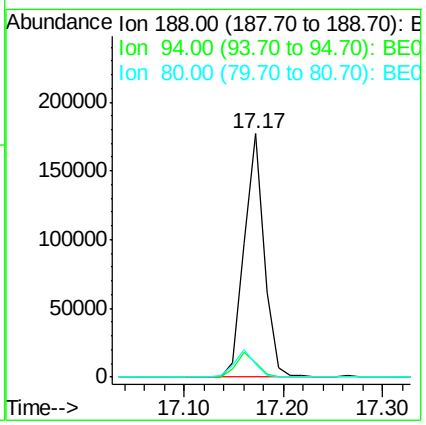
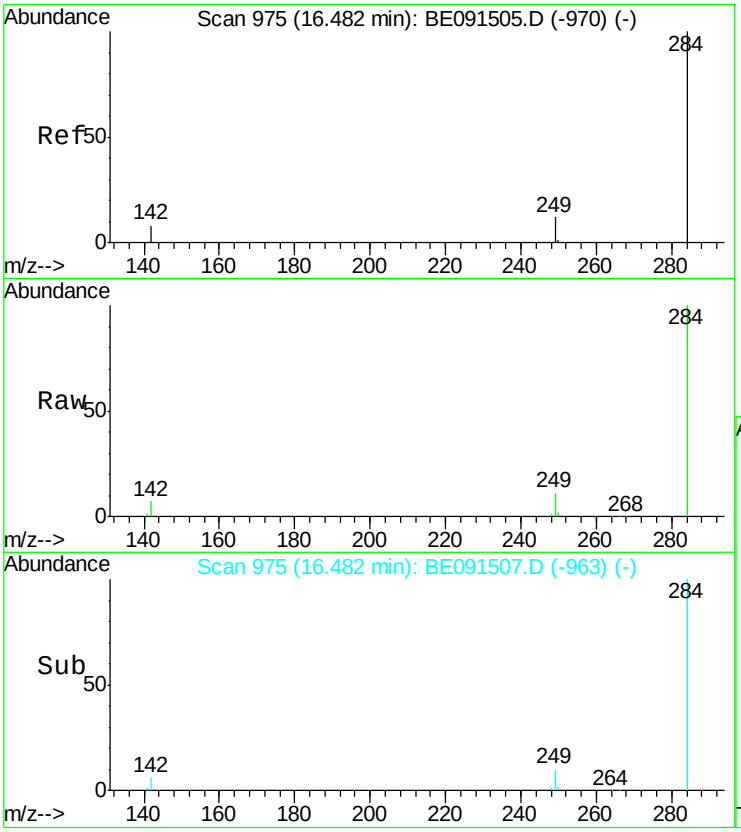


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:188 Resp: 248612

Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.4	8.2
80	5.2	5.0	7.4

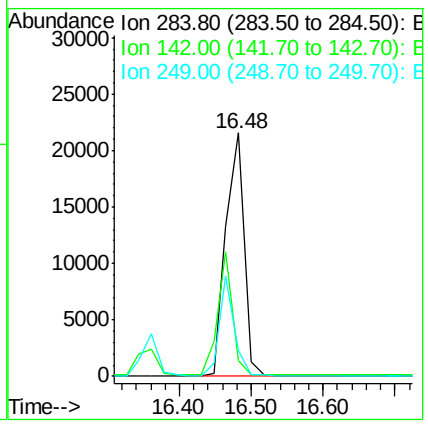




#17
Hexachlorobenzene
Concen: 3.49 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:284 Resp: 37825

Ion	Ratio	Lower	Upper
284	100		
142	42.1	31.0	46.4
249	33.4	25.8	38.8



Instrument :
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ClientSampleId :
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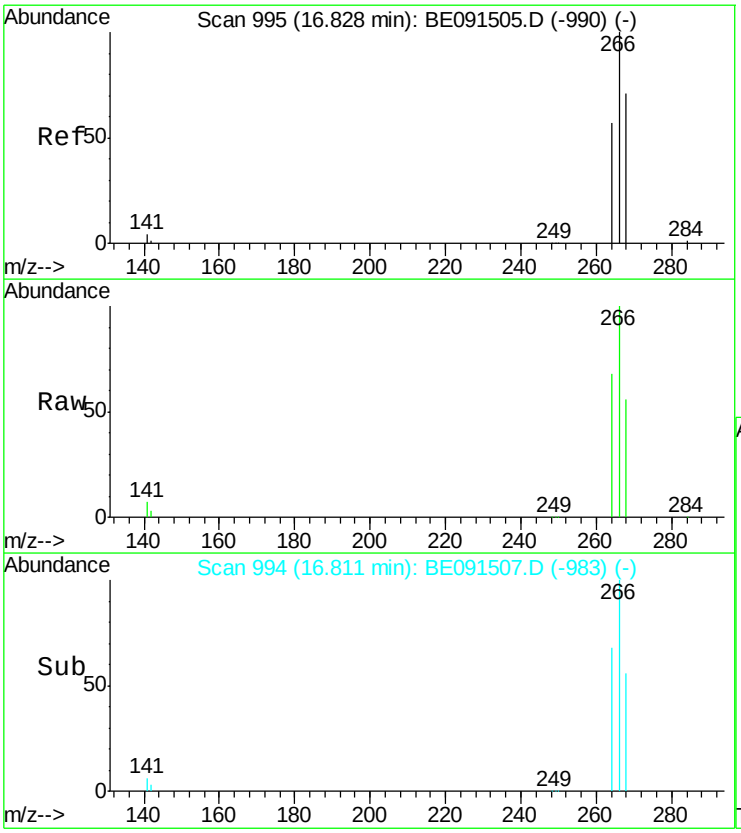
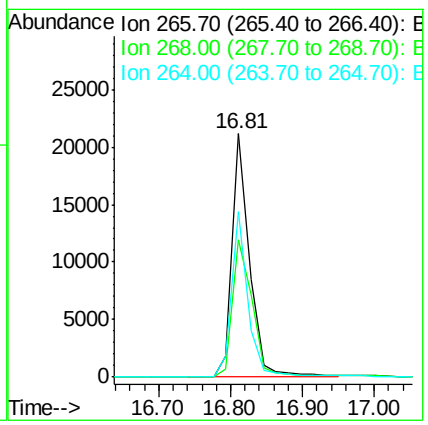
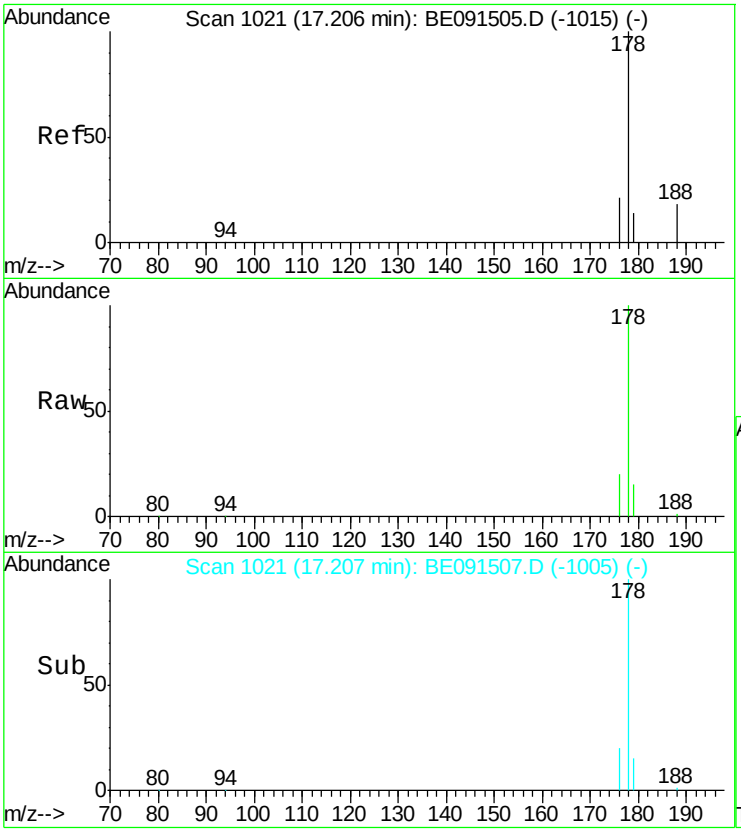


#18
Pentachlorophenol
Concen: 6.13 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:266 Resp: 34956

Ion	Ratio	Lower	Upper
266	100		
268	56.4	48.2	72.2
264	67.8	52.1	78.1

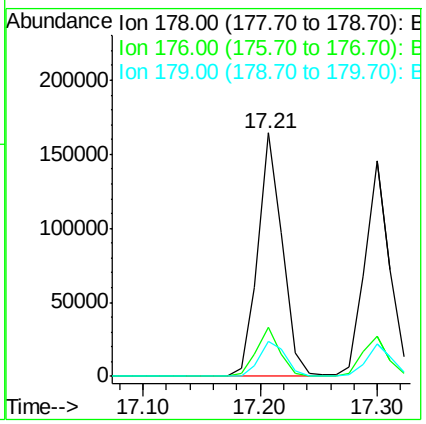




#19
Phenanthrene
Concen: 3.38 ng
RT: 17.21 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:178 Resp: 239958

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	13.1	19.7



Instrument :
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ClientSampleId :
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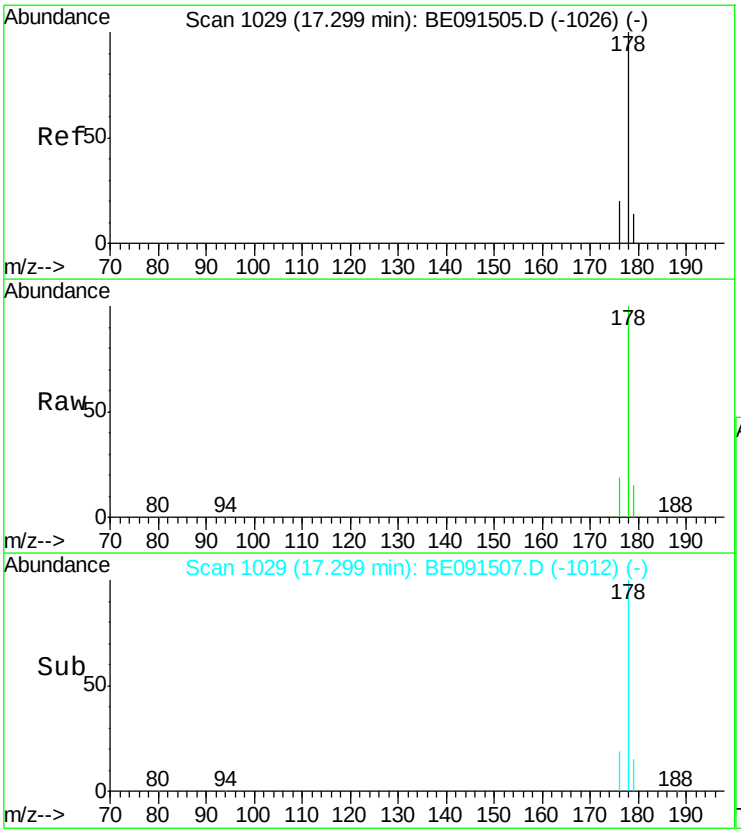
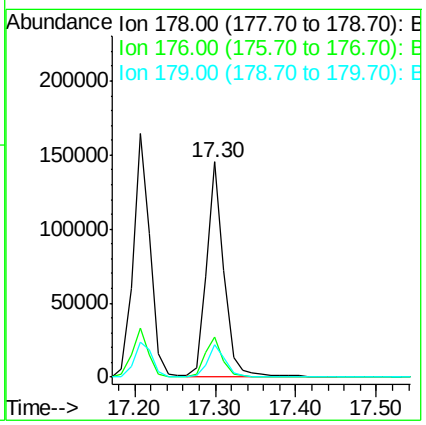
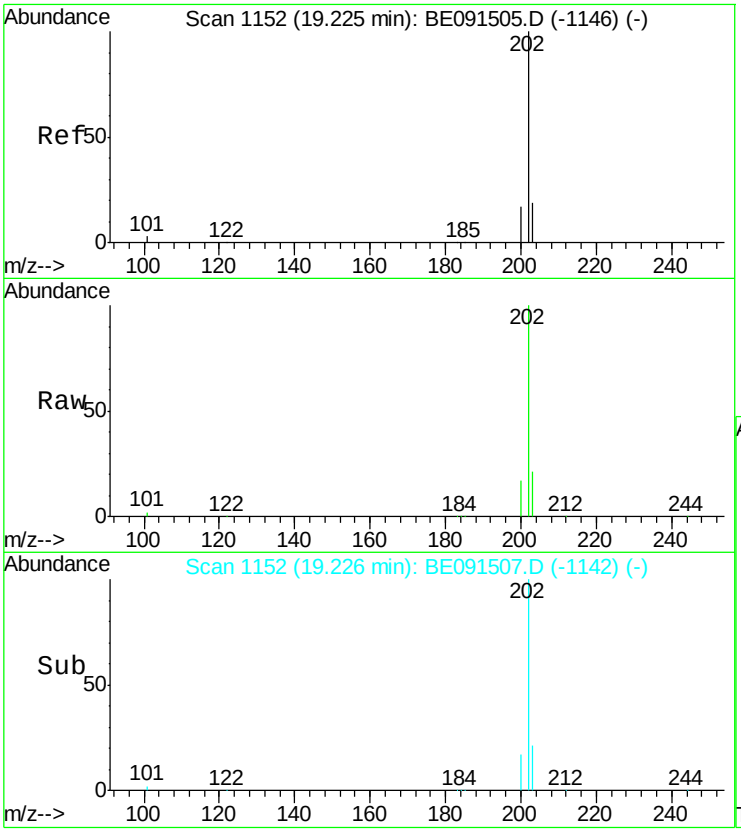


#20
Anthracene
Concen: 3.50 ng
RT: 17.30 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:178 Resp: 218017

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.6	12.2	18.4





#21
Fluoranthene
Concen: 3.03 ng
RT: 19.23 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:202 Resp: 246584

Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.3	12.5
203	17.5	13.9	20.9

Instrument :
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ClientSampleId :
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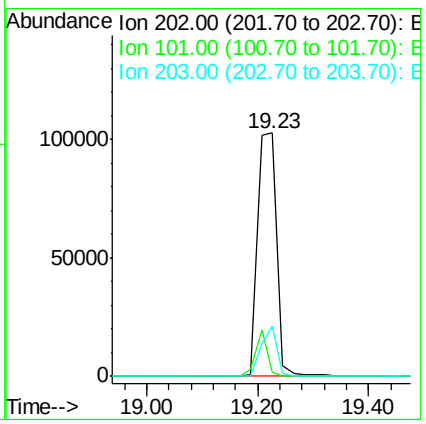
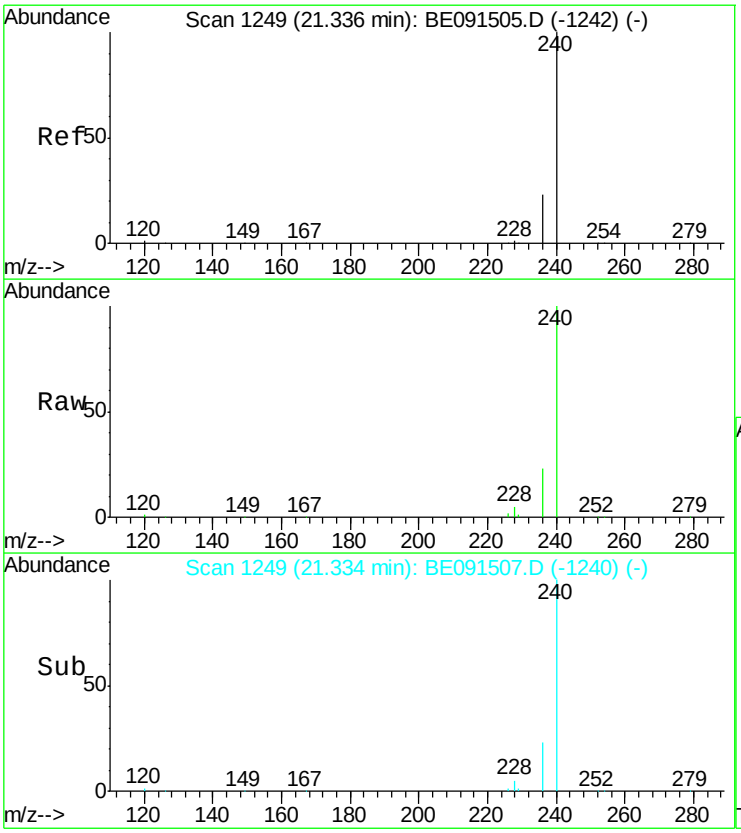
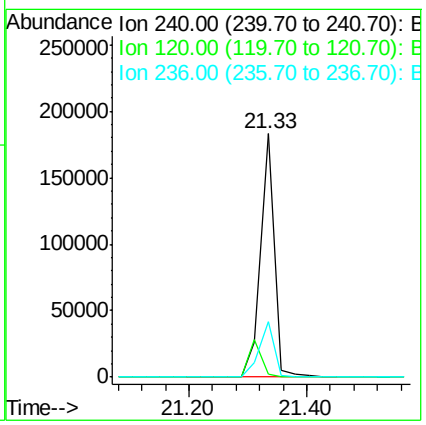


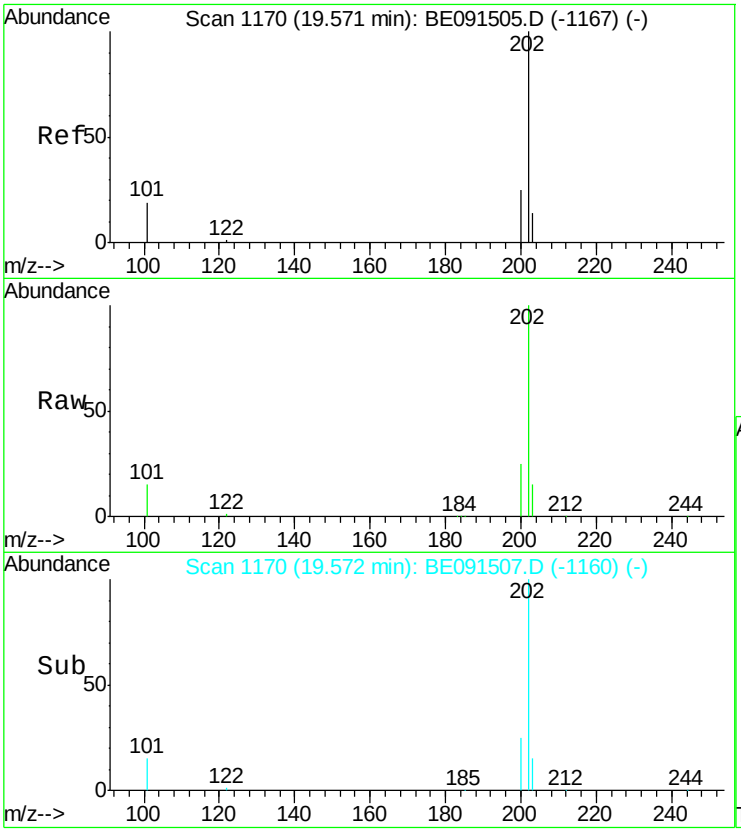


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:240 Resp: 302741

Ion	Ratio	Lower	Upper
240	100		
120	1.2	4.0	6.0#
236	22.6	23.0	34.4#





#23
Pyrene
Concen: 3.56 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:202 Resp: 267963

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.4	24.6
203	17.5	14.6	21.8

Instrument :
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ClientSampleId :
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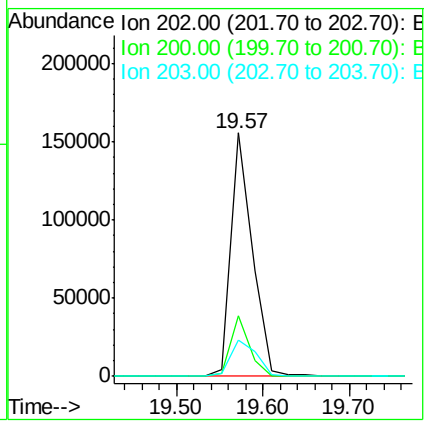
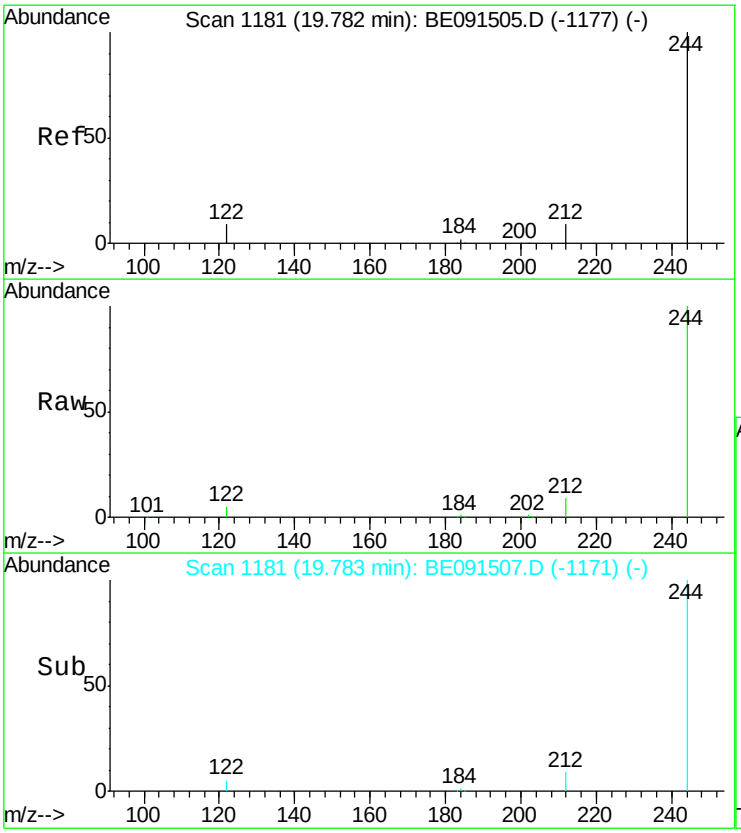
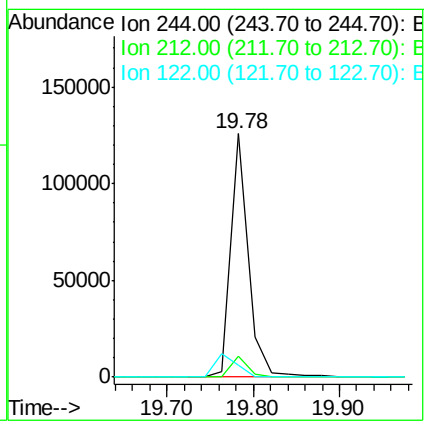


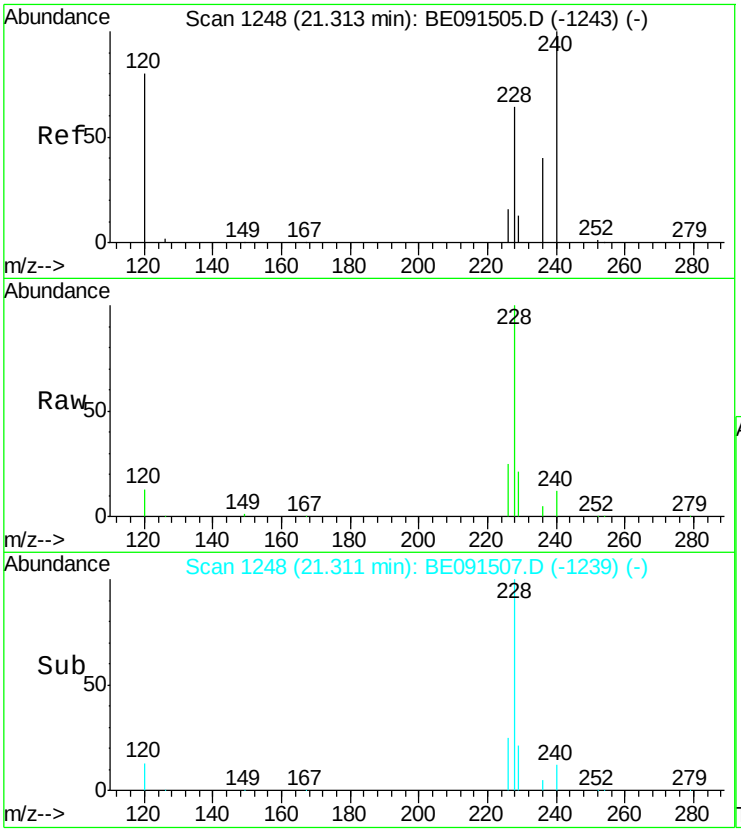


#24
Terphenyl-d14
Concen: 4.89 ng
RT: 19.78 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:244 Resp: 177988

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8#
122	4.7	1.8	2.8#

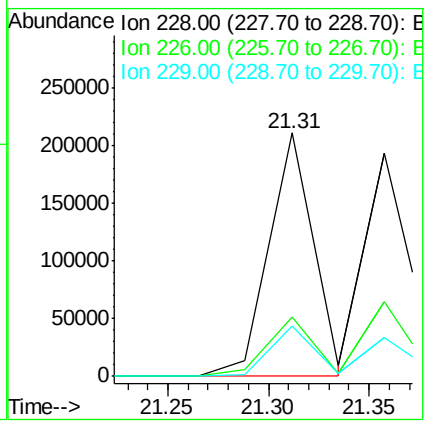




#25
Benzo(a)anthracene
Concen: 3.89 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:228 Resp: 324161

Ion	Ratio	Lower	Upper
228	100		
226	24.6	24.0	36.0
229	20.5	13.8	20.6



Instrument :
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ClientSampleId :
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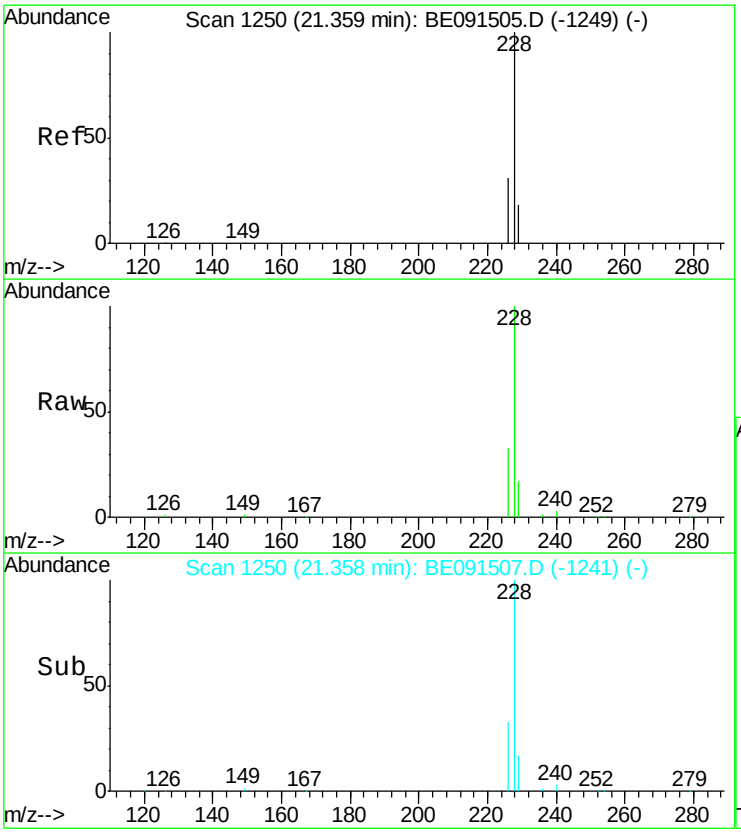
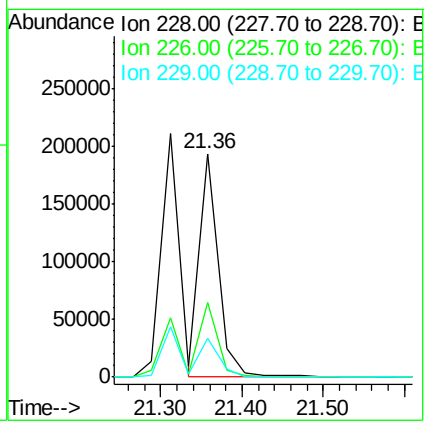
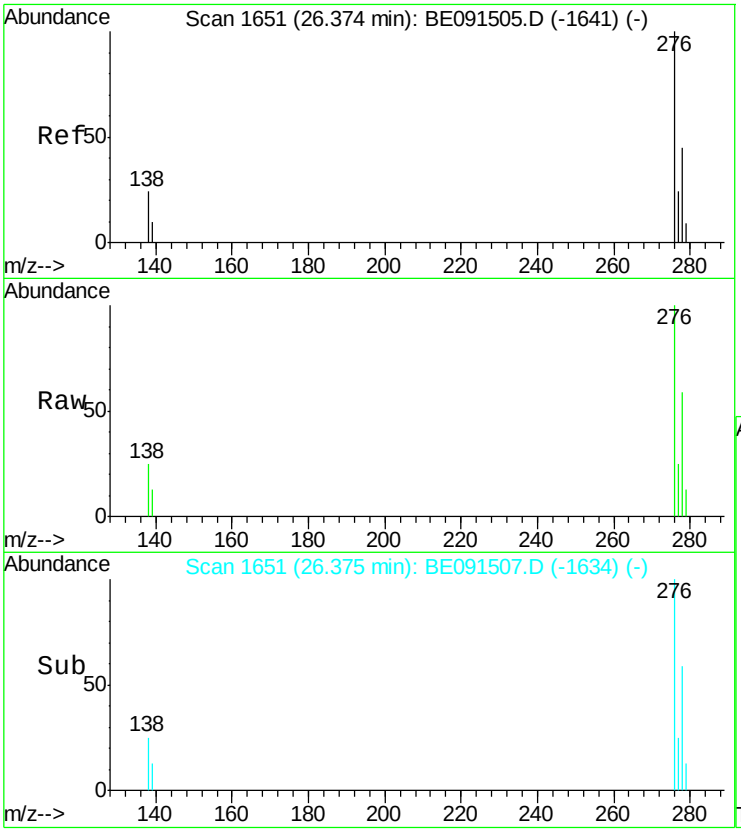


#26
Chrysene
Concen: 4.09 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:228 Resp: 315388

Ion	Ratio	Lower	Upper
228	100		
226	33.5	18.9	28.3#
229	17.5	19.1	28.7#

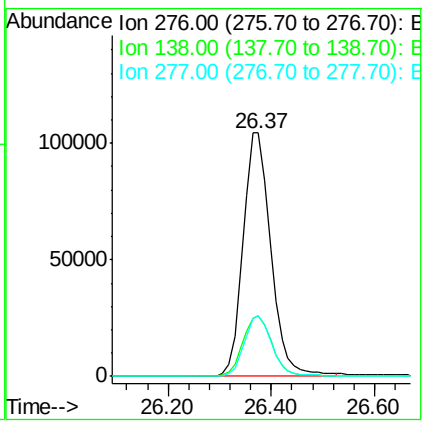




#27
Indeno(1,2,3-cd)pyrene
Concen: 4.51 ng
RT: 26.37 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:276 Resp: 391477

Ion	Ratio	Lower	Upper
276	100		
138	26.0	20.2	30.4
277	24.7	19.8	29.8



Instrument :
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ClientSampleId :
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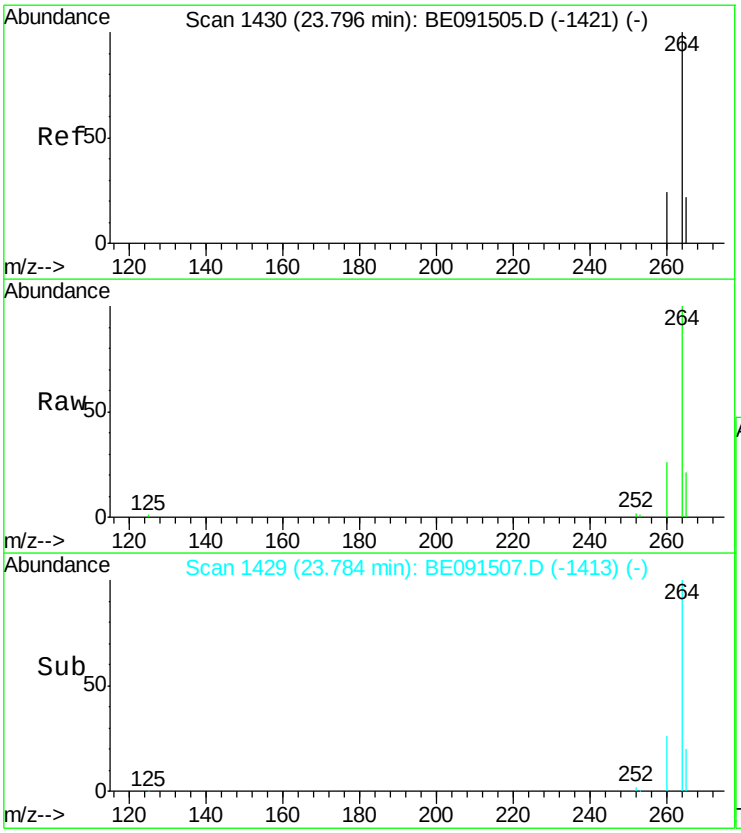
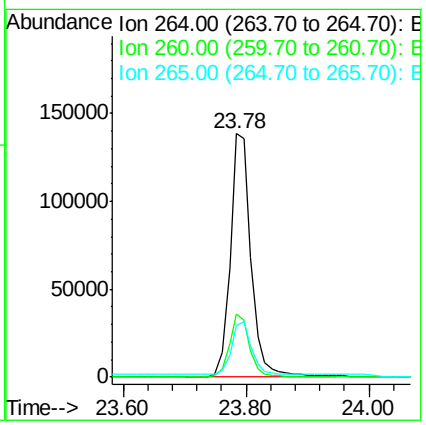
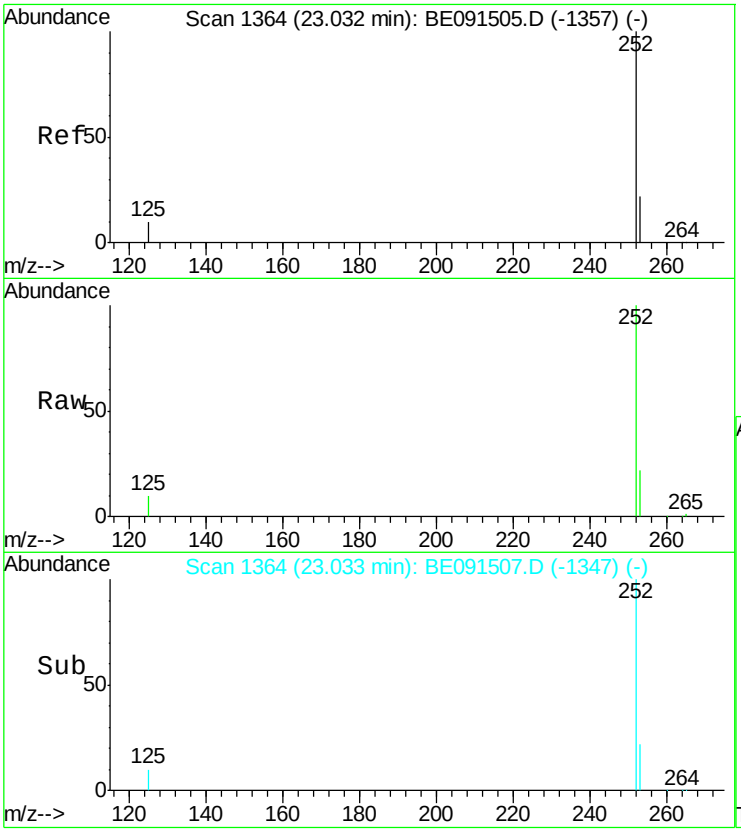


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:264 Resp: 324112

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.1	30.1
265	21.4	18.3	27.5

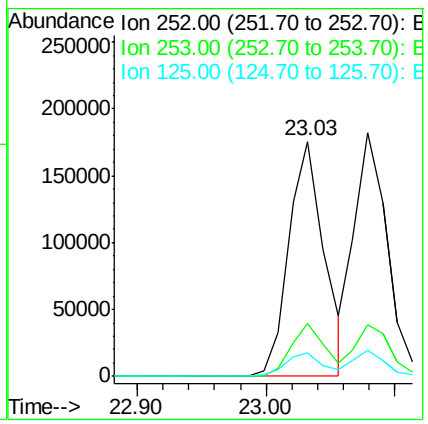




#29
Benzo(b)fluoranthene
Concen: 3.27 ng
RT: 23.03 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:252 Resp: 335385

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.7	28.1
125	9.8	9.8	14.6



Instrument :
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ClientSampleId :
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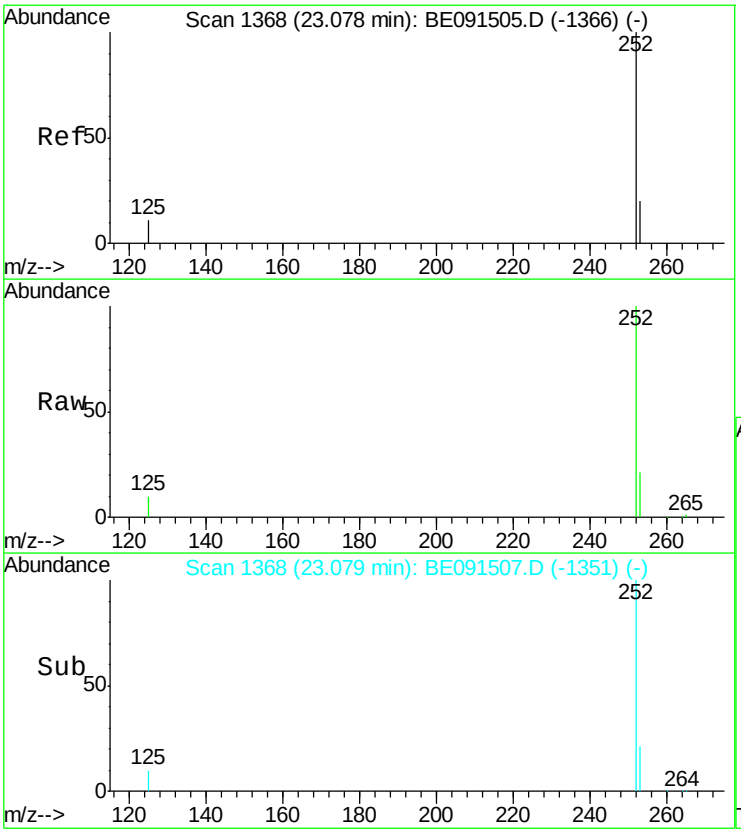
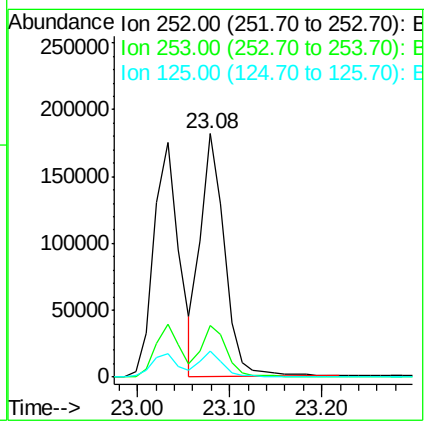
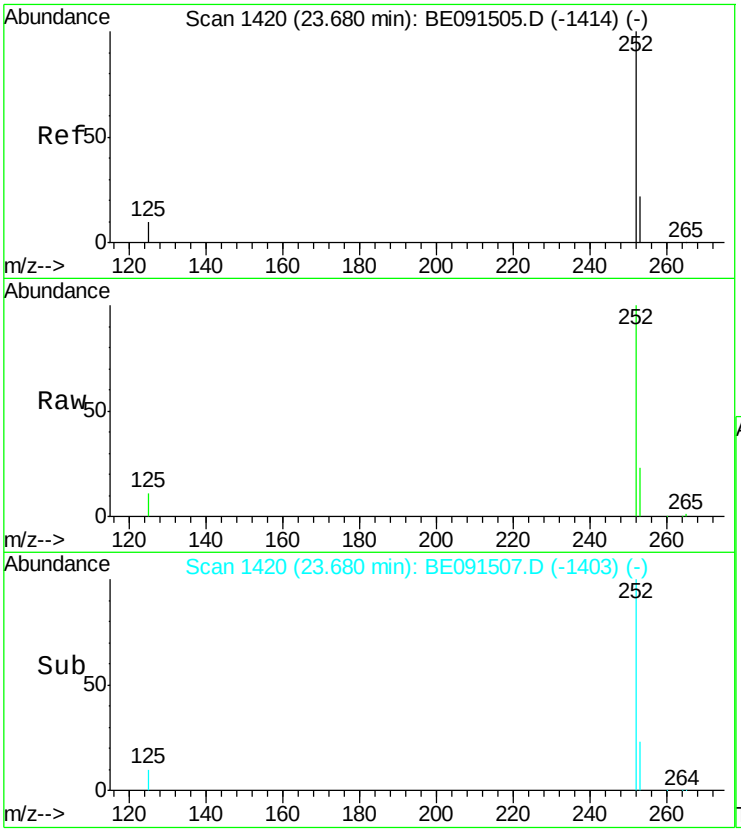


#30
Benzo(k)fluoranthene
Concen: 3.14 ng
RT: 23.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:252 Resp: 328388

Ion	Ratio	Lower	Upper
252	100		
253	21.2	20.2	30.4
125	10.5	9.4	14.2





#31
Benzo(a)pyrene
Concen: 3.39 ng
RT: 23.68 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:252 Resp: 305995

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.4	29.0
125	10.7	11.4	17.2#

Instrument :
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ClientSampleId :
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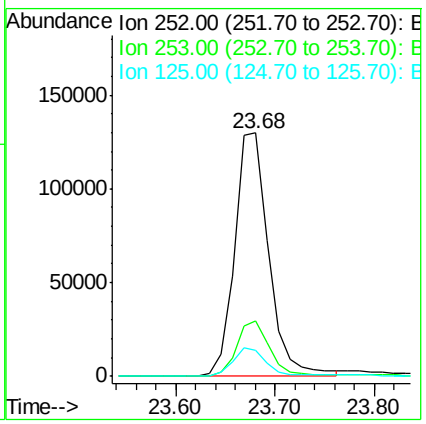
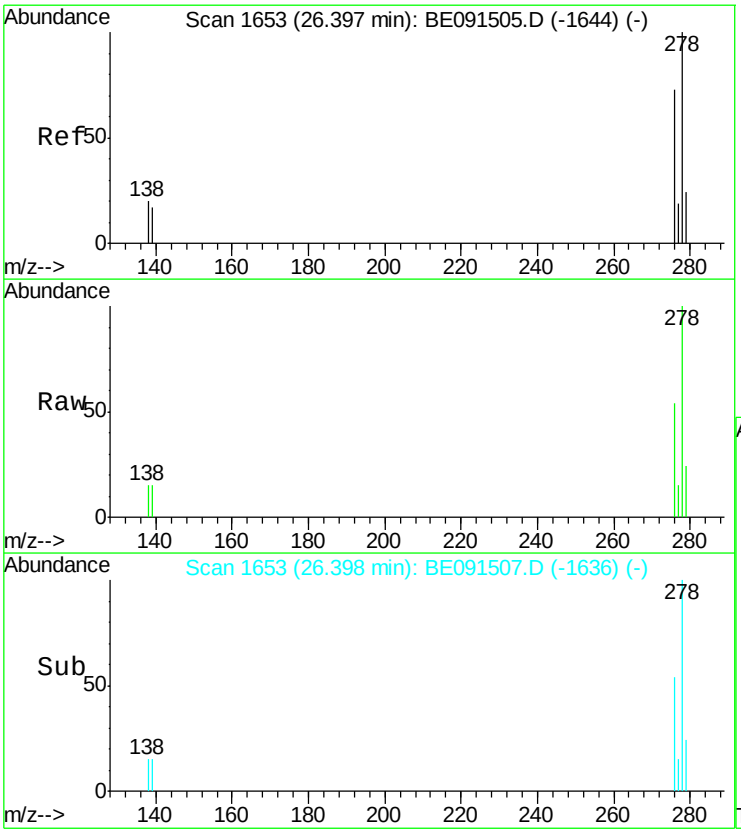
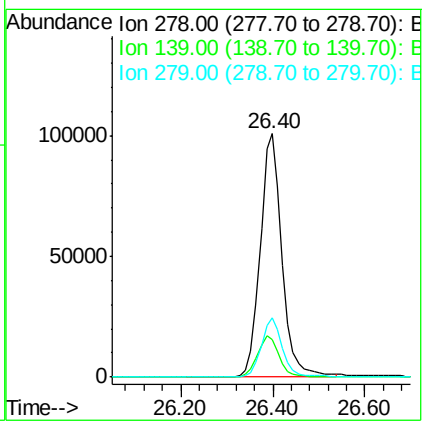


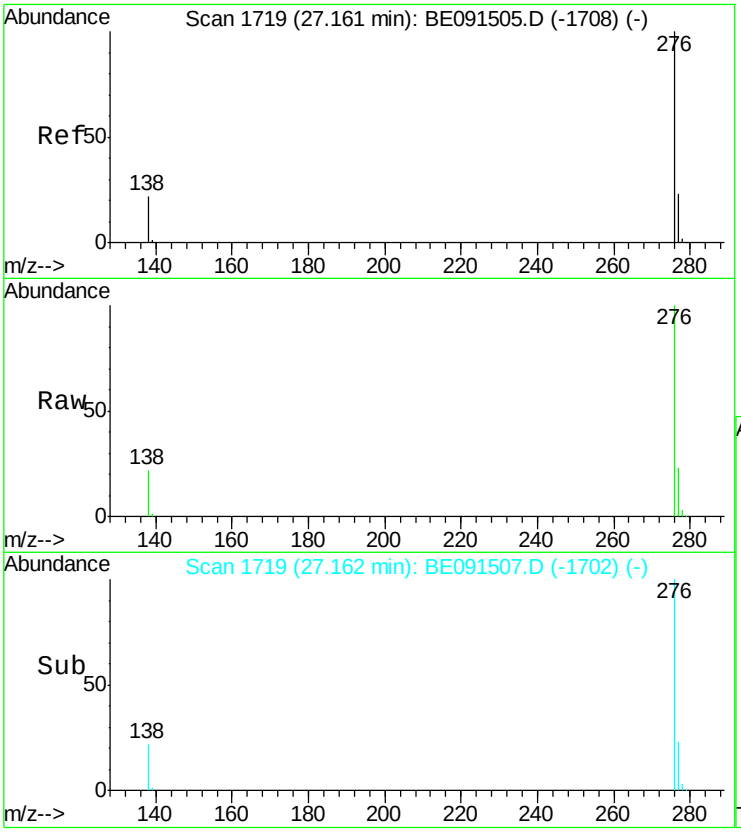


#32
Dibenzo(a,h)anthracene
Concen: 3.72 ng
RT: 26.40 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:278 Resp: 330991

Ion	Ratio	Lower	Upper
278	100		
139	15.2	14.2	21.4
279	24.3	19.6	29.4

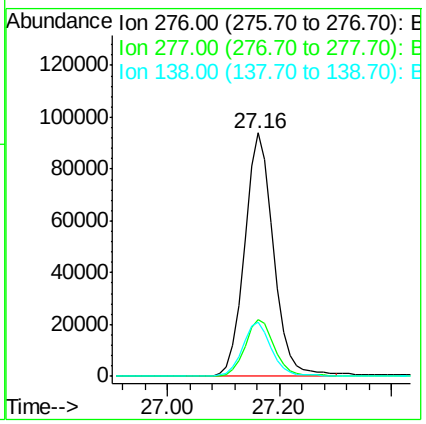




#33
Benzo(g,h,i)perylene
Concen: 3.64 ng
RT: 27.16 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BE091507.D
Acq: 22 Mar 2016 19:40

Tgt Ion:276 Resp: 336806

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.2
138	22.5	18.2	27.4



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