Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
Data File : BE091545.D
Acq On : 28 Mar 2016 19:47
Operator : UM/SJ
Sample : PB89151BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB89151BS

Manual Integrations APPROVED
Sohil
3/29/2016 5:05:49 PM

Quant Time: Mar 29 01:24:20 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 19:00:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	34852	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	176072	5.00	ng		0.00
10) Acenaphthene-d10	14.43	164	107101	5.00	ng		-0.01
16) Phenanthrene-d10	17.17	188	256520	5.00	ng		0.00
22) Chrysene-d12	21.34	240	265975	5.00	ng		0.00
28) Perylene-d12	23.78	264	270030	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	47978	7.06	ng		-0.02
5) Phenol-d6	6.97	99	72334	7.80	ng		-0.02
7) Nitrobenzene-d5	8.97	82	28932	3.78	ng		-0.01
11) 2,4,6-Tribromophenol	15.91	330	24798	13.61	ng		-0.01
12) 2-Fluorobiphenyl	13.06	172	113934	3.78	ng		-0.01
24) Terphenyl-d14	19.78	244	197175	4.51	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	13242	3.34	ng		90
3) n-Nitrosodimethylamine	3.66	42	18994	3.75	ng	#	89
8) Naphthalene	10.63	128	120851	3.41	ng		100
9) 2-Methylnaphthalene	12.25	142	88114	3.97	ng	#	88
13) Acenaphthylene	14.15	152	154938	4.13	ng		99
14) Acenaphthene	14.49	154	103903	3.92	ng		97
15) Fluorene	15.47	166	129819	4.01	ng		99
17) Hexachlorobenzene	16.48	284	37283	4.14	ng		95
18) Pentachlorophenol	16.81	266	32702	9.73	ng		97
19) Phenanthrene	17.21	178	238776	4.06	ng		99
20) Anthracene	17.30	178	216327	4.45	ng		99
21) Fluoranthene	19.21	202	253634	4.62	ng		99
23) Pyrene	19.57	202	291943	4.65	ng		98
25) Benzo(a)anthracene	21.31	228	267796	4.36	ng	#	85
26) Chrysene	21.36	228	303025m	3.76	ng		
27) Indeno(1,2,3-cd)pyrene	26.36	276	284632	4.54	ng		99
29) Benzo(b)fluoranthene	23.02	252	296380	4.94	ng		95
30) Benzo(k)fluoranthene	23.08	252	251862	4.21	ng		95
31) Benzo(a)pyrene	23.67	252	243127	4.07	ng	#	94
32) Dibenzo(a,h)anthracene	26.37	278	244666	4.60	ng		98
33) Benzo(g,h,i)perylene	27.15	276	244886	4.41	ng		99

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

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ClientSampleId :
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Manual Integrations APPROVED
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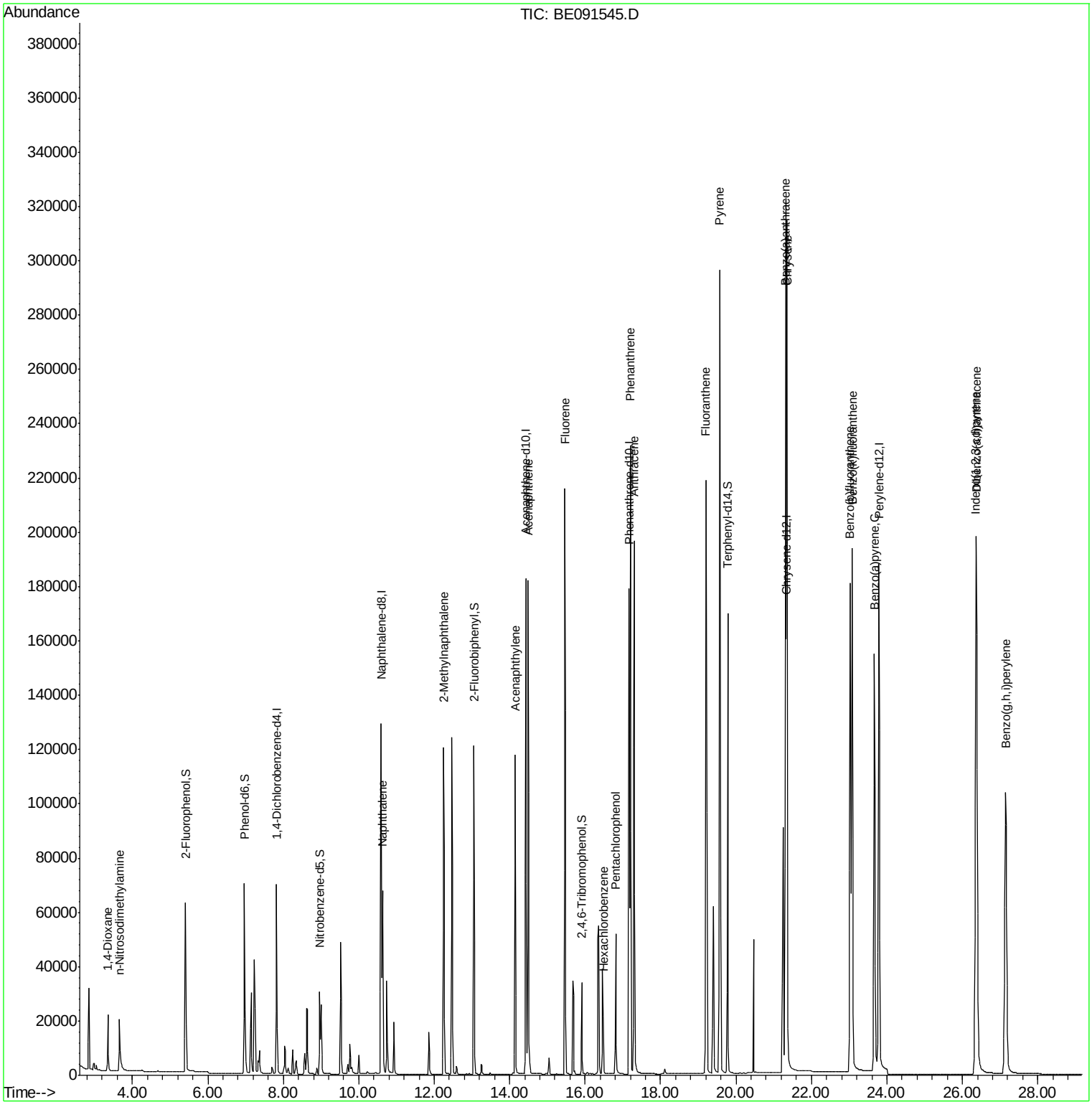
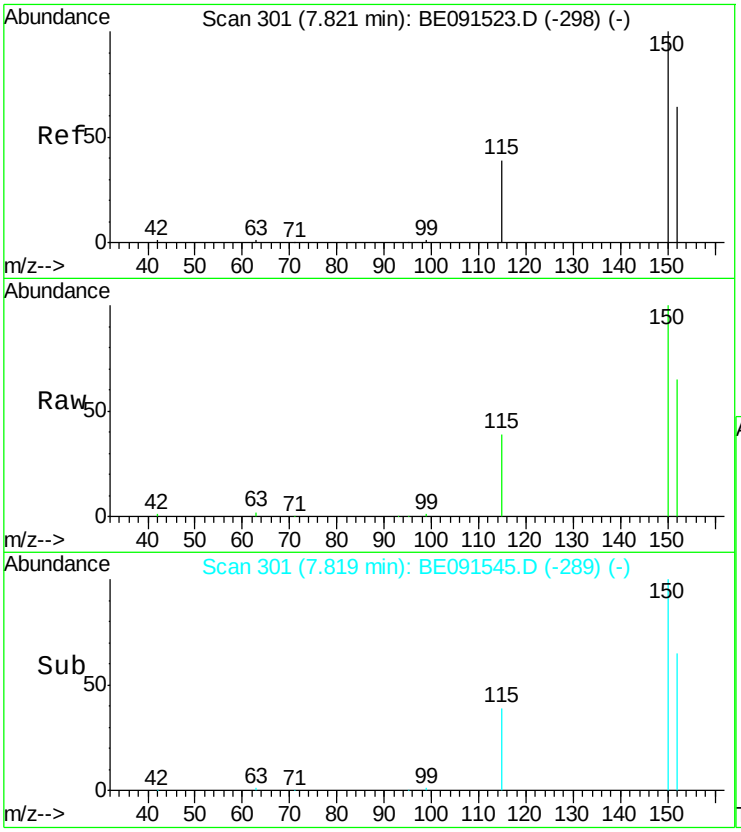
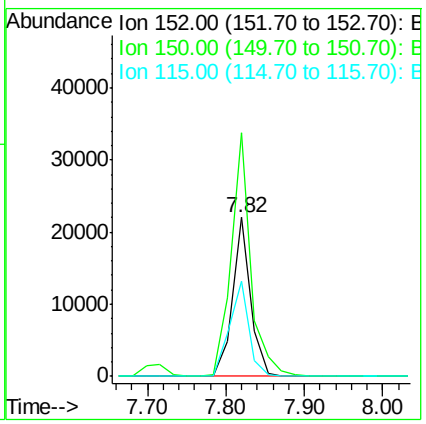




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:152 Resp: 34852

Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.2	183.2
115	59.9	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
PB89151BS

Manual Integrations APPROVED
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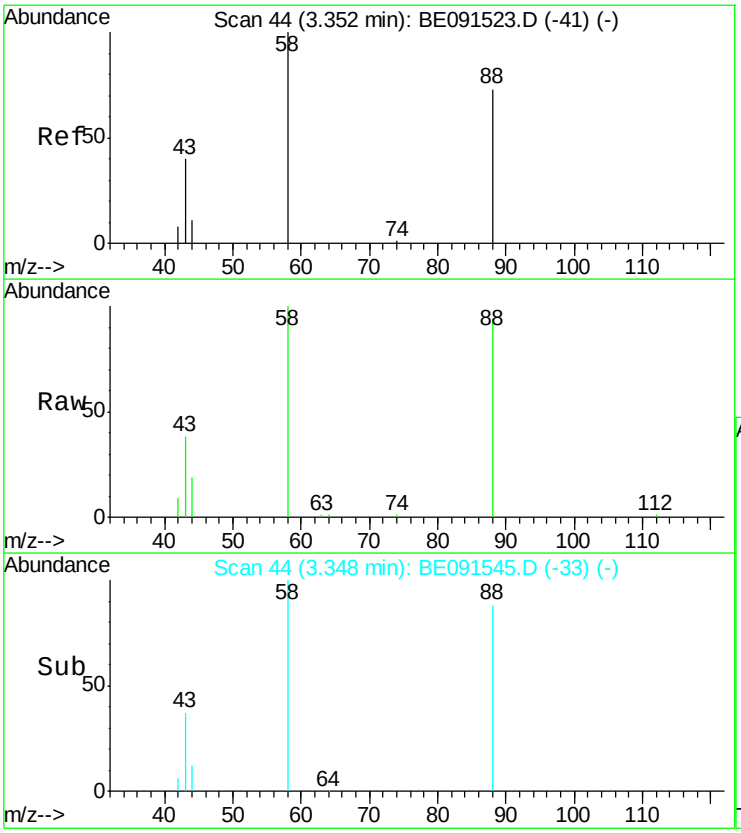
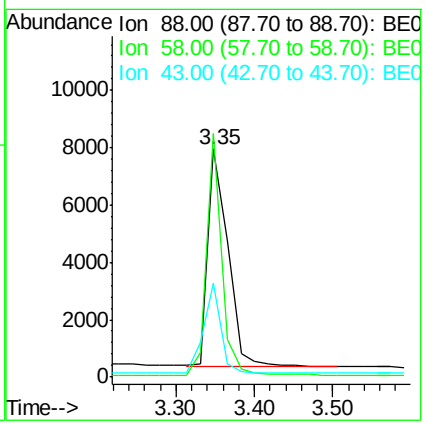
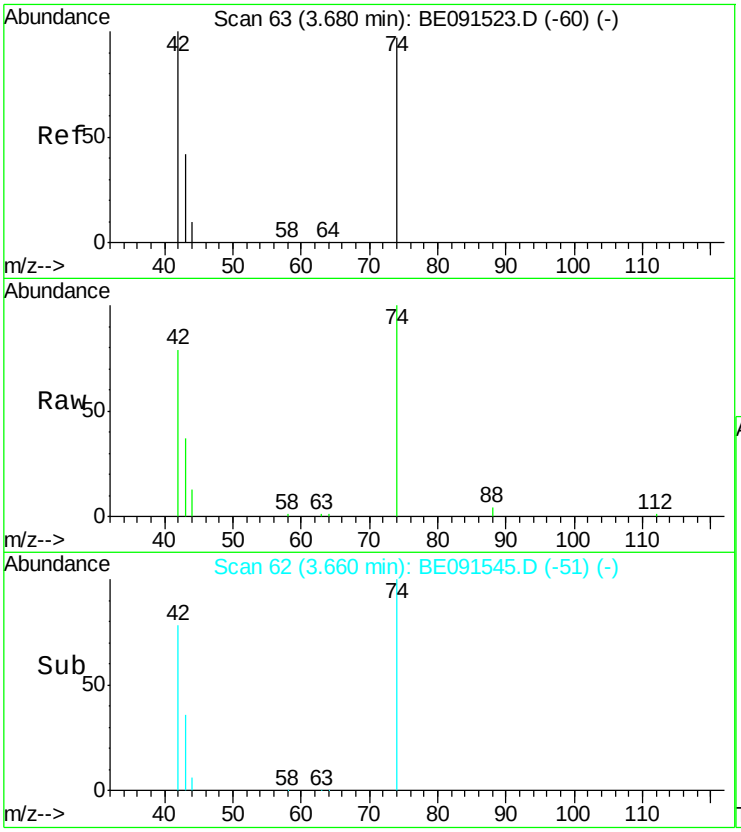


#2
1,4-Dioxane
Concen: 3.34 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion: 88 Resp: 13242

Ion	Ratio	Lower	Upper
88	100		
58	85.1	61.0	91.6
43	37.0	25.4	38.2

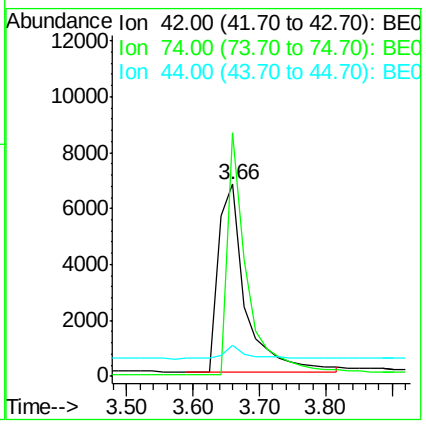




#3
n-Nitrosodimethylamine
Concen: 3.75 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion: 42 Resp: 18994

Ion	Ratio	Lower	Upper
42	100		
74	93.7	84.3	126.5
44	5.9	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB89151BS

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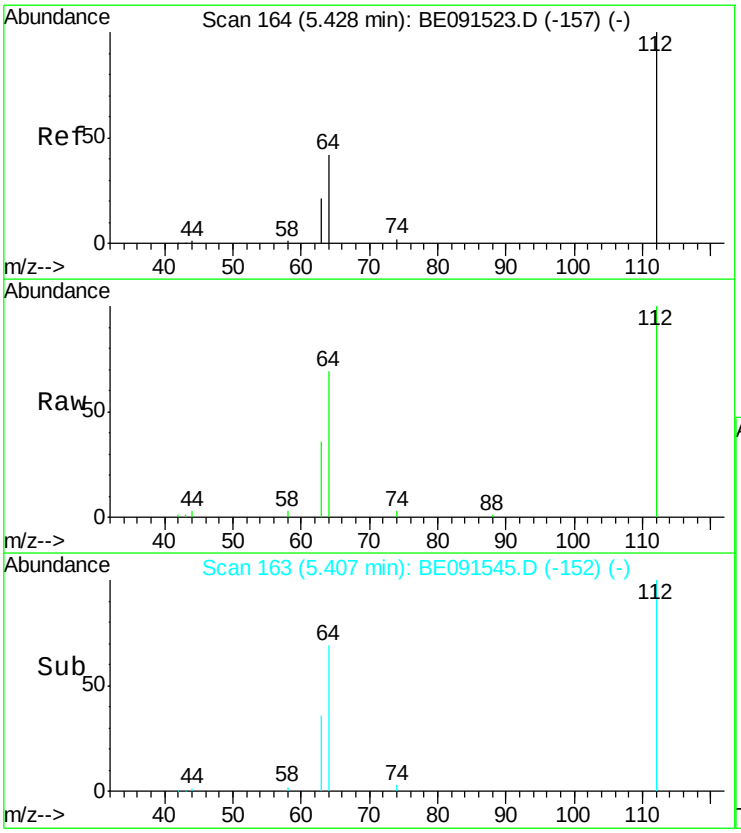
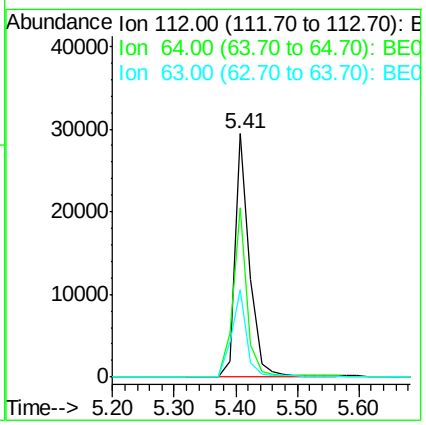
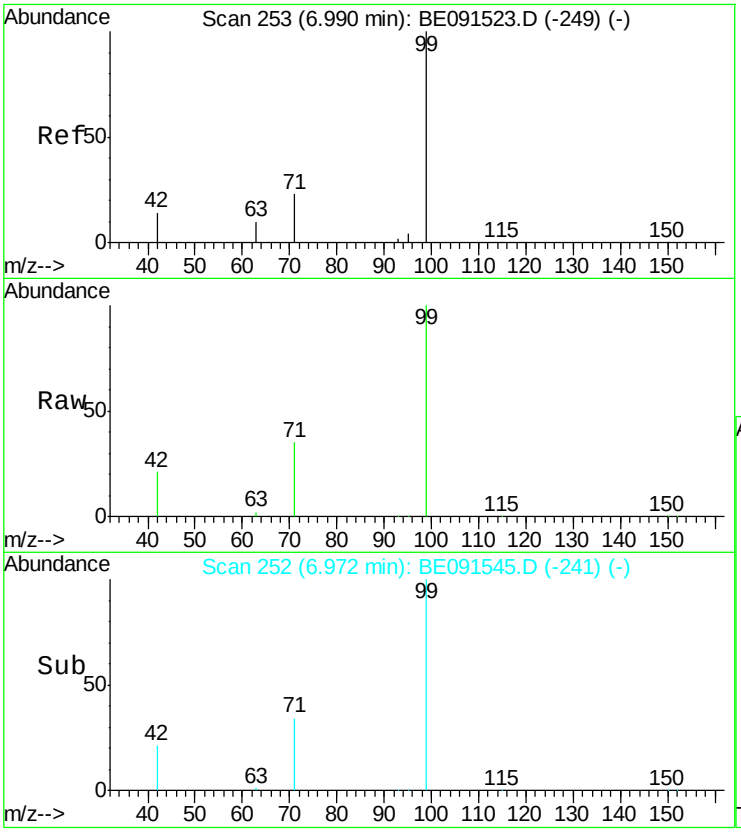


#4
2-Fluorophenol
Concen: 7.06 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:112 Resp: 47978

Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.3	79.9
63	37.3	29.8	44.8

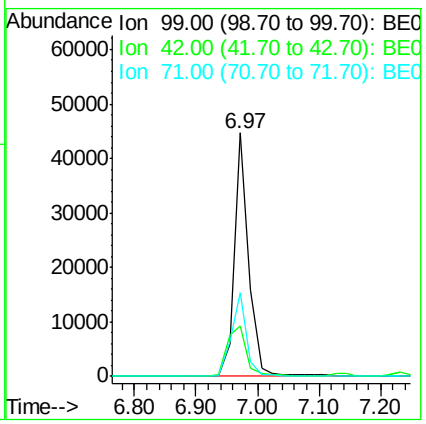




#5
Phenol-d6
Concen: 7.80 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion: 99 Resp: 72334

Ion	Ratio	Lower	Upper
99	100		
42	27.2	20.6	30.8
71	36.2	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB89151BS

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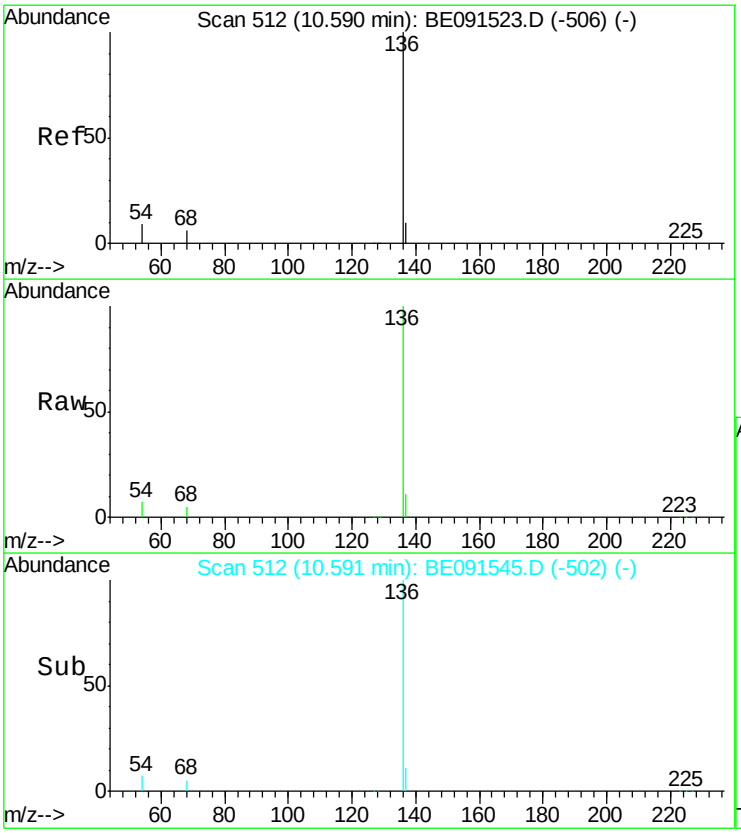
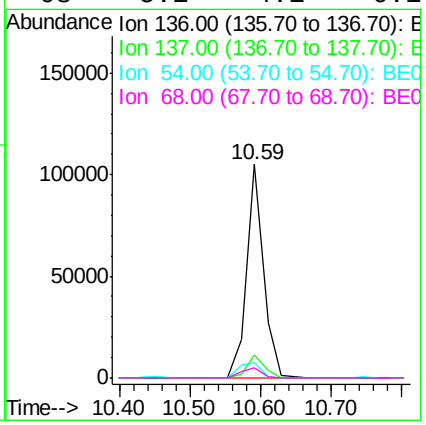
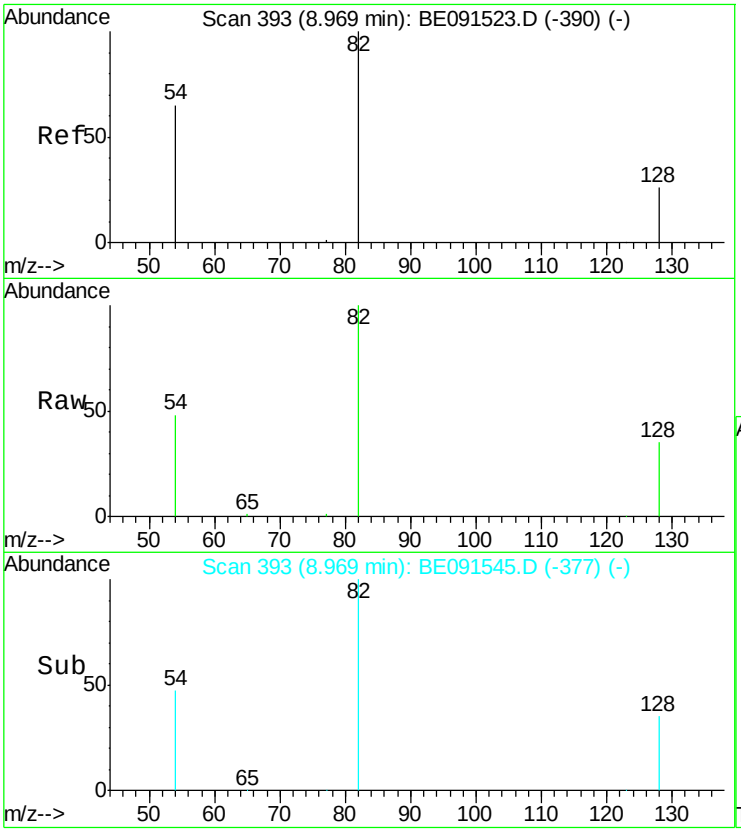


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:136 Resp: 176072

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.0	5.2	7.8
68	5.1	4.1	6.1

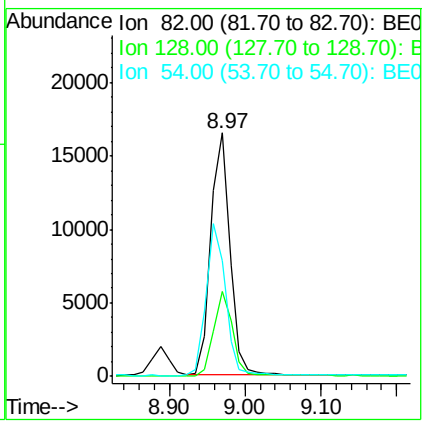




#7
Nitrobenzene-d5
Concen: 3.78 ng
RT: 8.97 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion: 82 Resp: 28932

Ion	Ratio	Lower	Upper
82	100		
128	35.0	23.5	35.3
54	47.6	52.4	78.6#



Instrument :
BNA_E
ClientSampleId :
PB89151BS

Manual Integrations APPROVED
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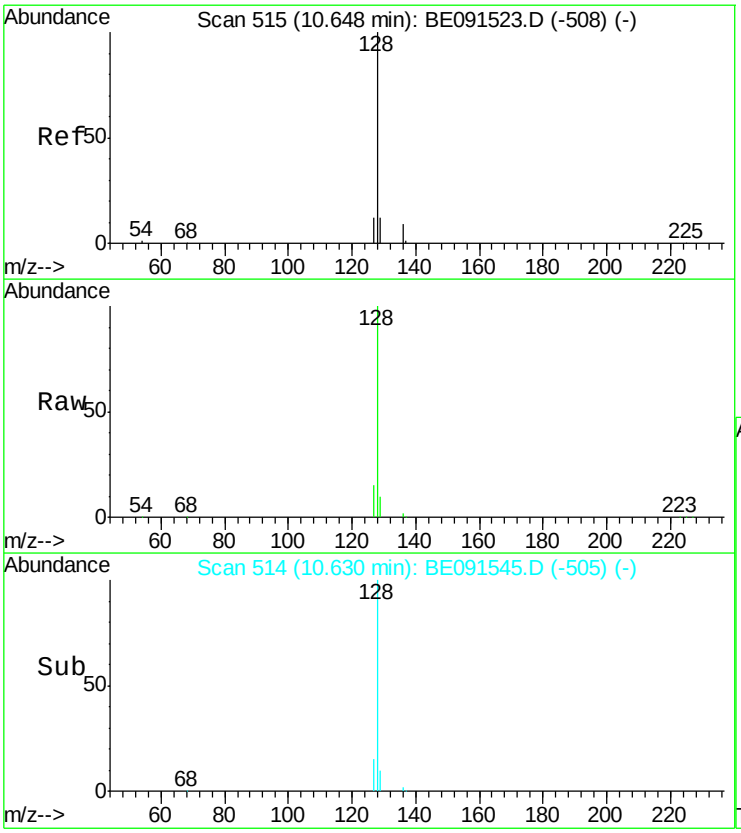
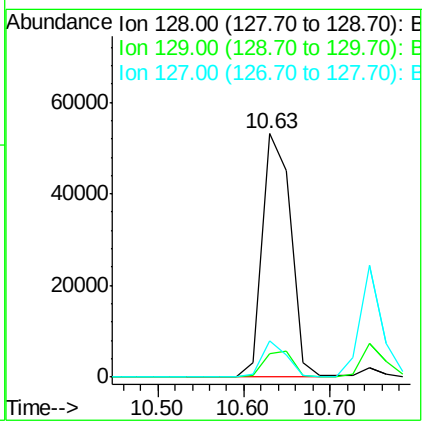
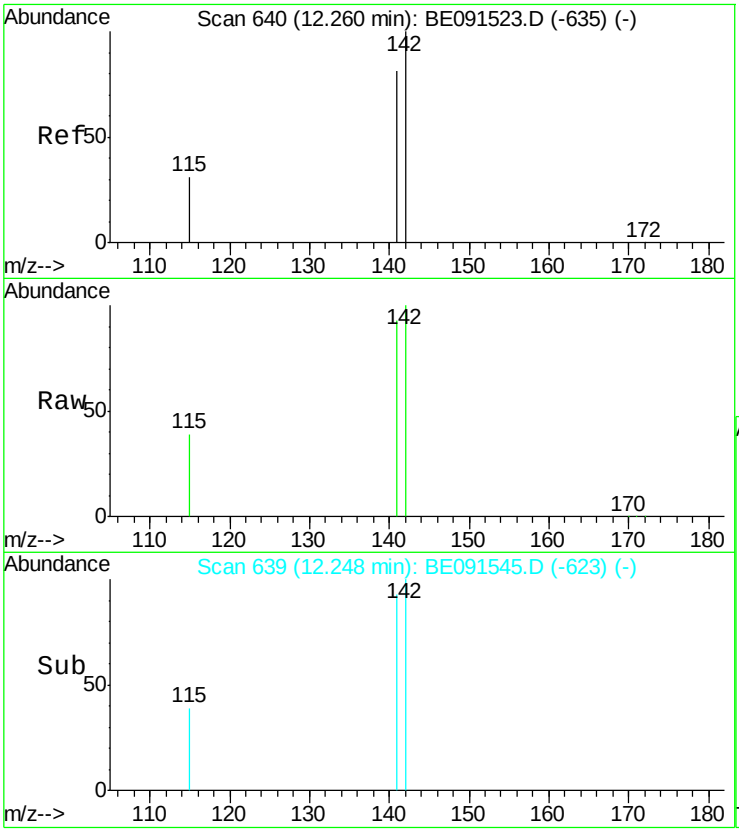


#8
Naphthalene
Concen: 3.41 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:128 Resp: 120851

Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.2	12.2
127	14.8	11.8	17.8

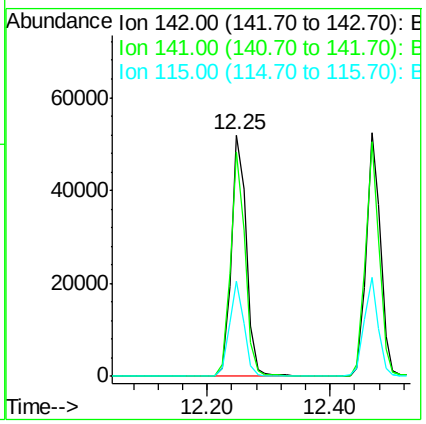




#9
2-Methylnaphthalene
Concen: 3.97 ng
RT: 12.25 min Scan# 639
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:142 Resp: 88114

Ion	Ratio	Lower	Upper
142	100		
141	93.0	66.9	100.3
115	39.5	25.1	37.7#



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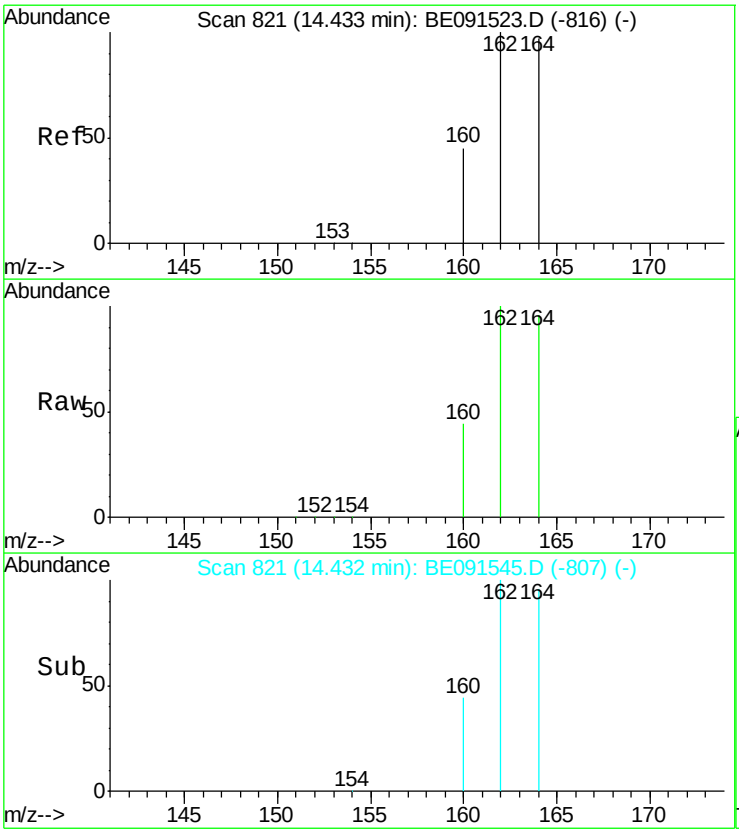
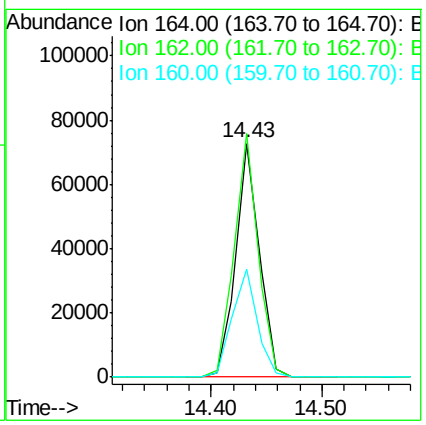
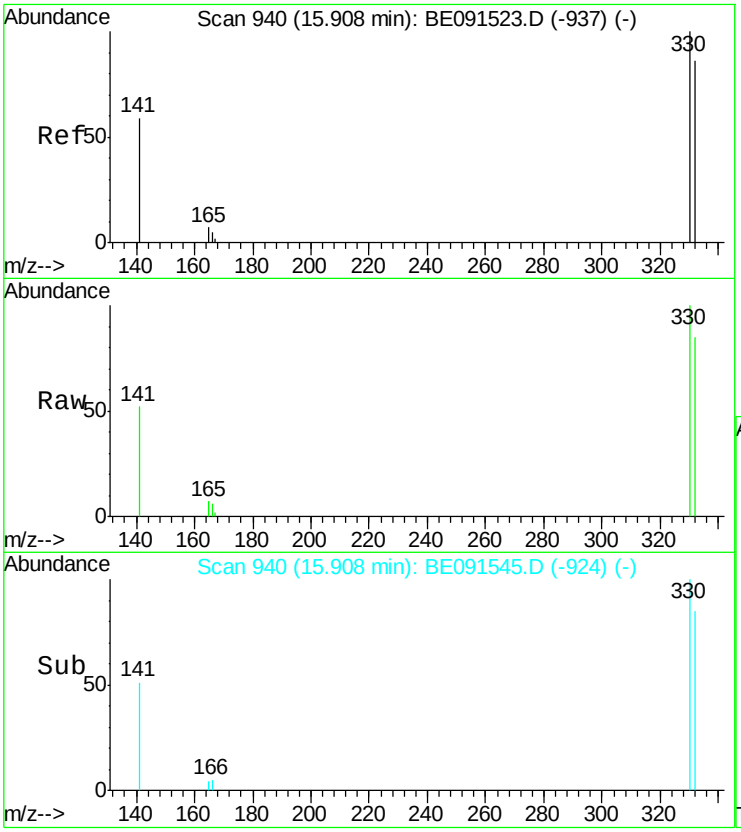


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.43 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:164 Resp: 107101

Ion	Ratio	Lower	Upper
164	100		
162	104.2	84.4	126.6
160	46.3	37.7	56.5

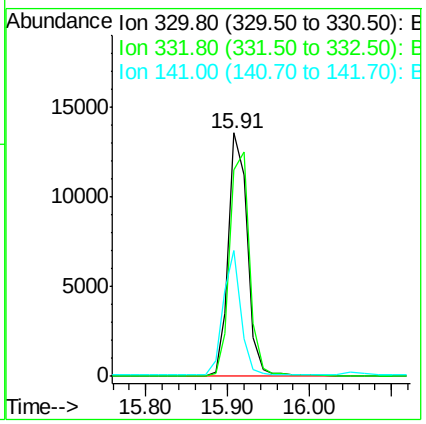




#11
2,4,6-Tribromophenol
Concen: 13.61 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:330 Resp: 24798

Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.2	118.8
141	42.2	28.1	42.1#



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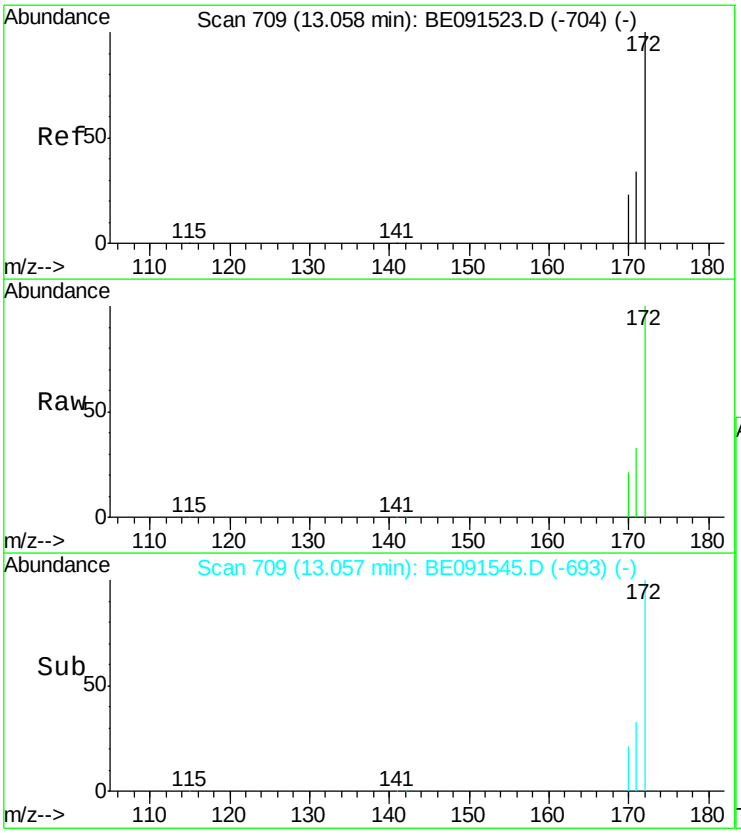
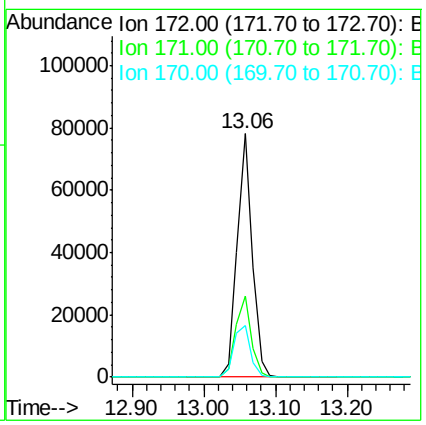
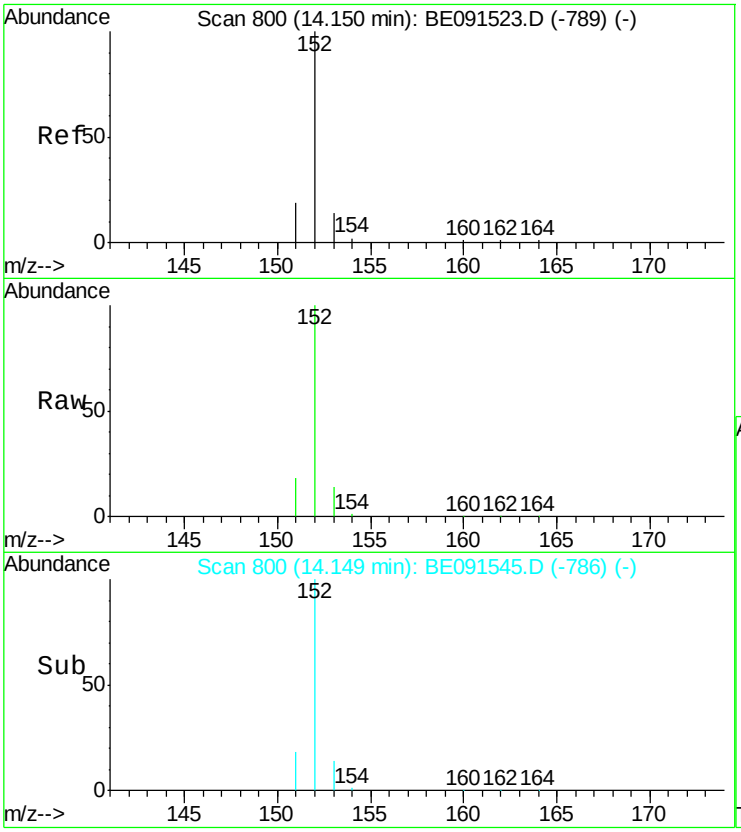


#12
2-Fluorobiphenyl
Concen: 3.78 ng
RT: 13.06 min Scan# 709
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:172 Resp: 113934

Ion	Ratio	Lower	Upper
172	100		
171	33.2	29.8	44.8
170	21.3	21.4	32.2#

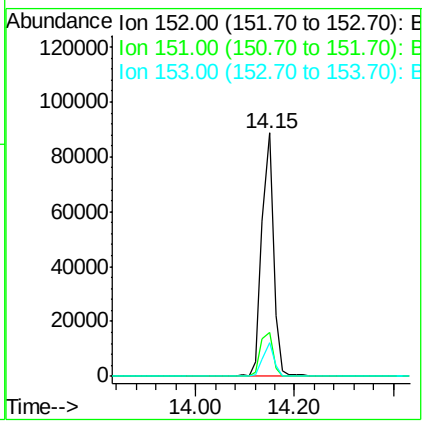




#13
Acenaphthylene
Concen: 4.13 ng
RT: 14.15 min Scan# 800
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:152 Resp: 154938

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.7	11.1	16.7



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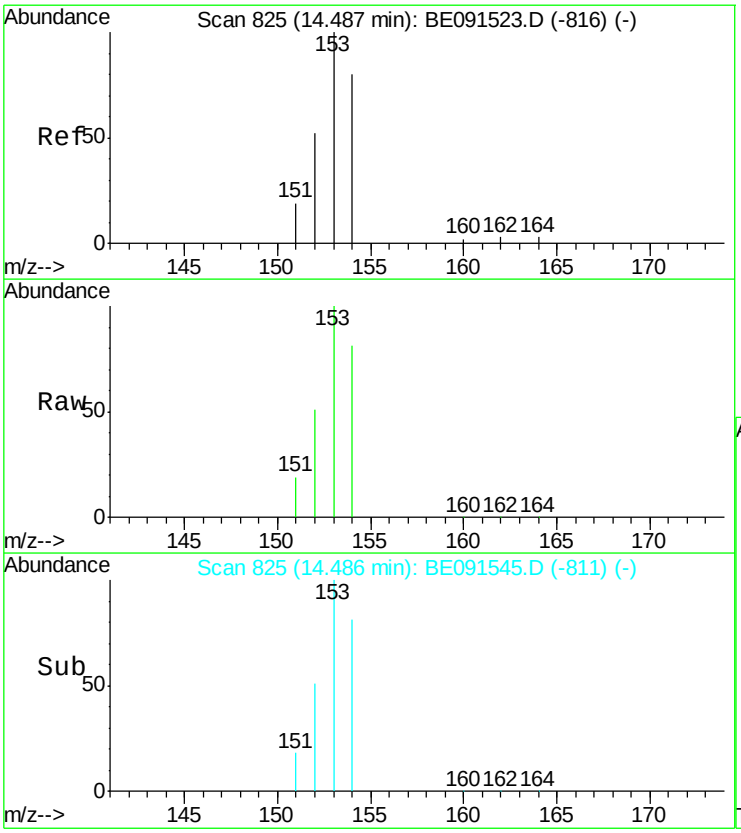
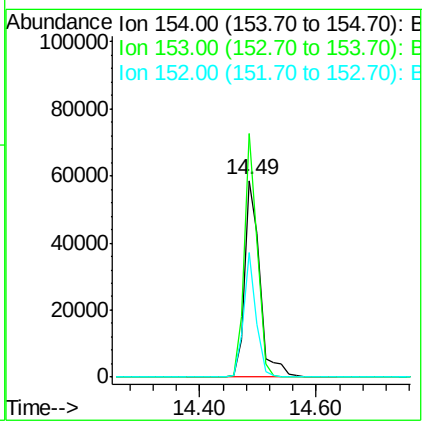
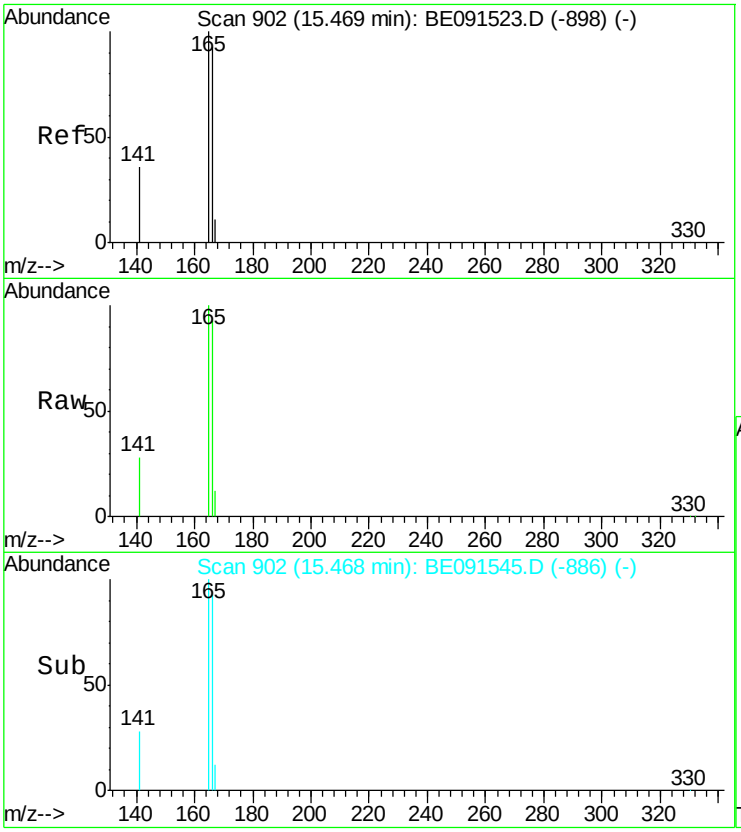


#14
Acenaphthene
Concen: 3.92 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:154 Resp: 103903

Ion	Ratio	Lower	Upper
154	100		
153	105.8	87.3	130.9
152	52.6	42.9	64.3

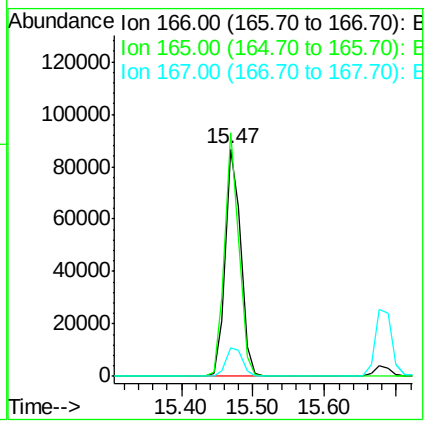




#15
Fluorene
Concen: 4.01 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:166 Resp: 129819

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.2	118.8
167	13.5	10.8	16.2



Instrument :
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ClientSampleId :
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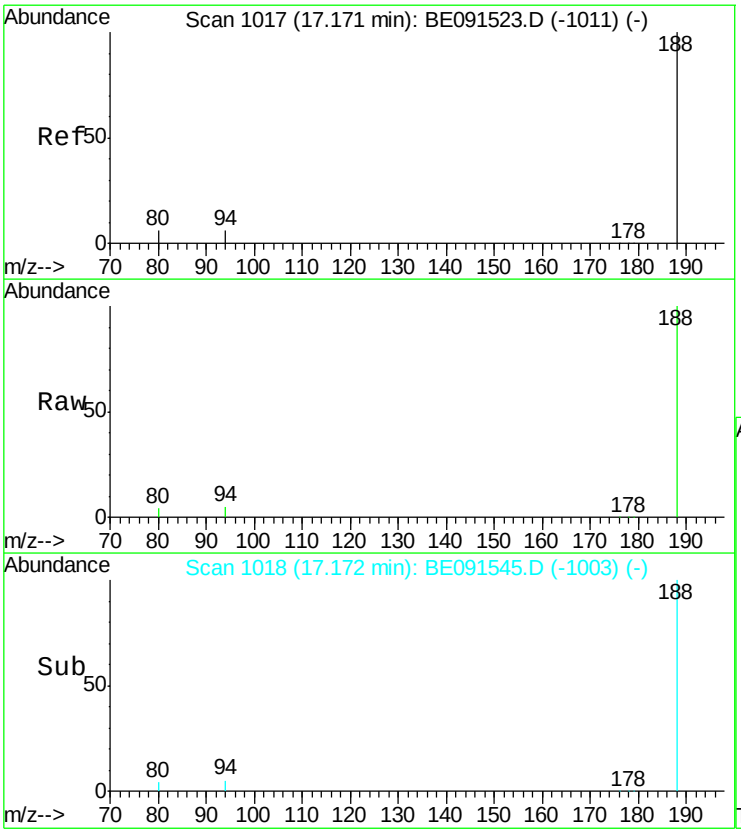
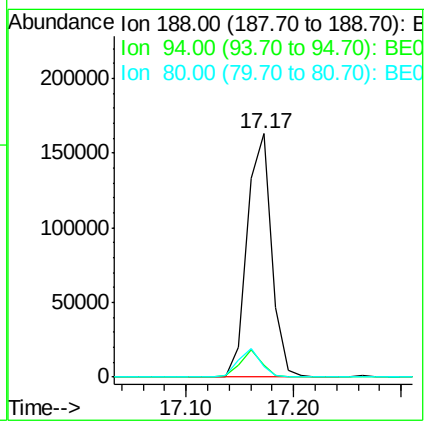
3/29/2016 5:05:49 PM

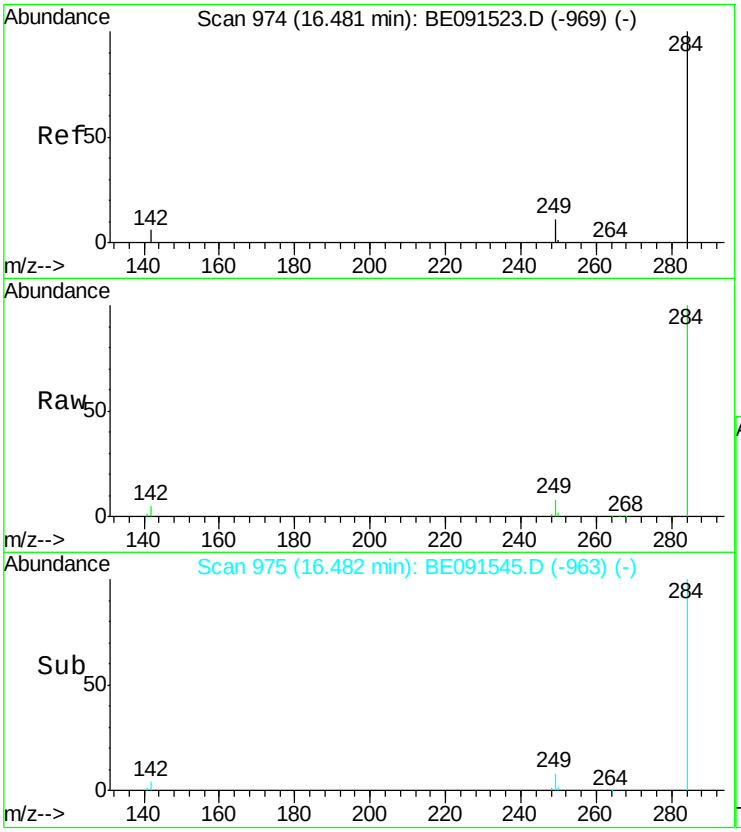


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:188 Resp: 256520

Ion	Ratio	Lower	Upper
188	100		
94	5.0	5.4	8.2#
80	4.4	5.0	7.4#

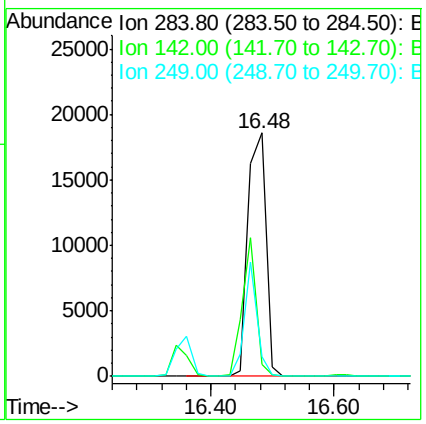




#17
Hexachlorobenzene
Concen: 4.14 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:284 Resp: 37283

Ion	Ratio	Lower	Upper
284	100		
142	43.4	31.0	46.4
249	33.0	25.8	38.8



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ClientSampleId :
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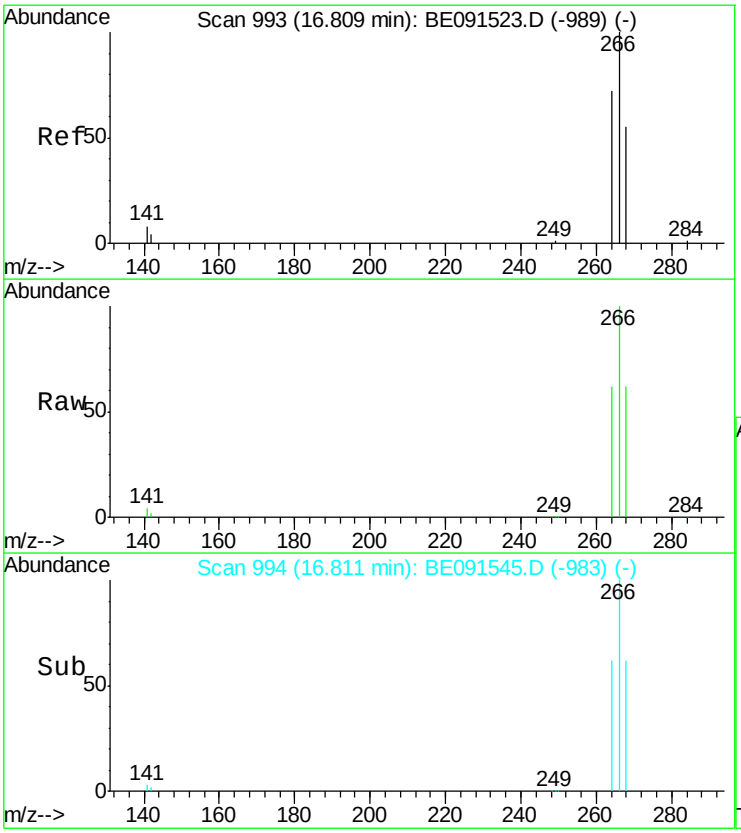
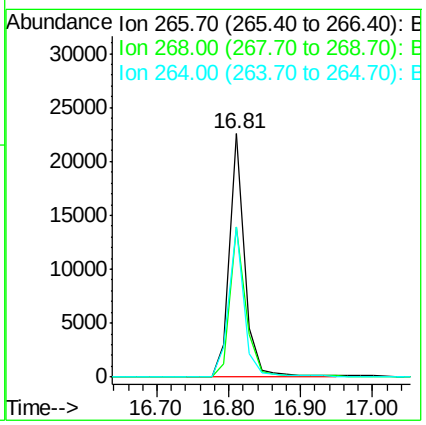
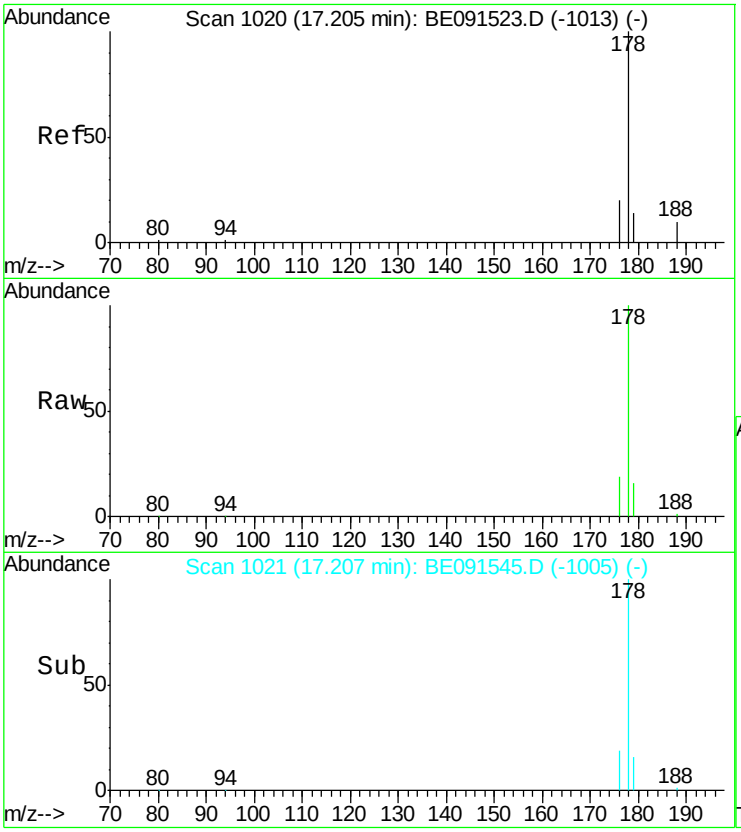


#18
Pentachlorophenol
Concen: 9.73 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:266 Resp: 32702

Ion	Ratio	Lower	Upper
266	100		
268	61.8	48.2	72.2
264	61.6	52.1	78.1

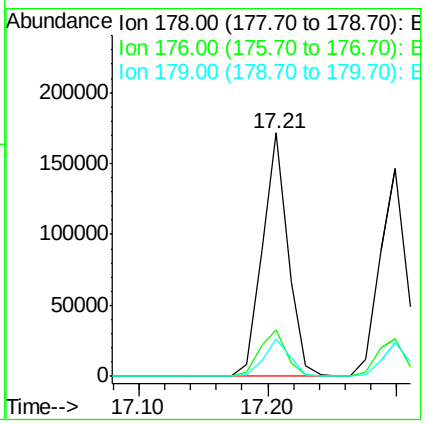




#19
Phenanthrene
Concen: 4.06 ng
RT: 17.21 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:178 Resp: 238776

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.4	13.1	19.7



Instrument :
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ClientSampleId :
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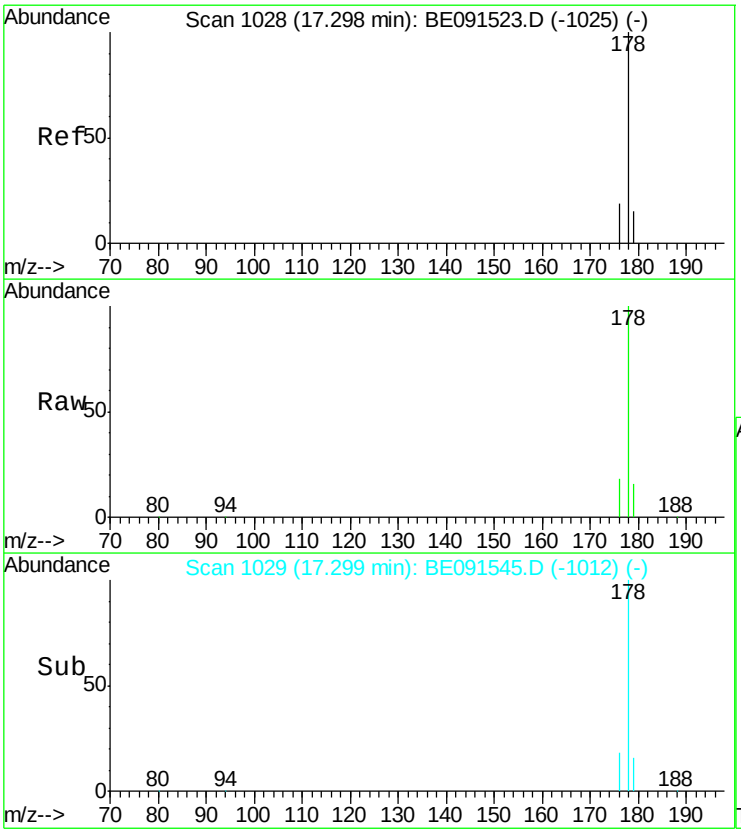
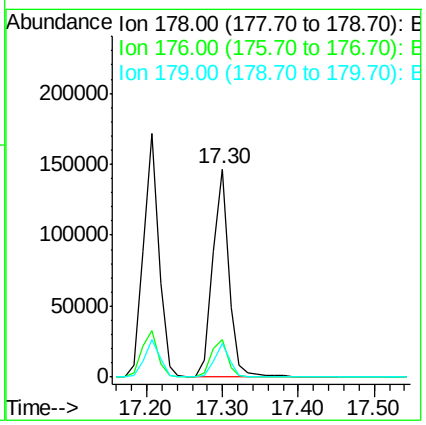
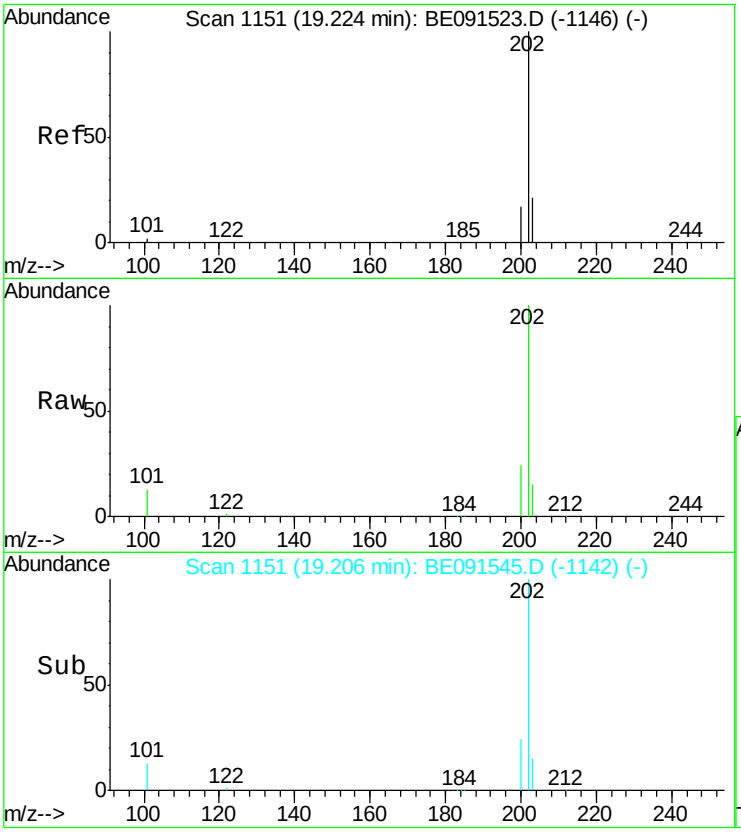


#20
Anthracene
Concen: 4.45 ng
RT: 17.30 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:178 Resp: 216327

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.7	12.2	18.4

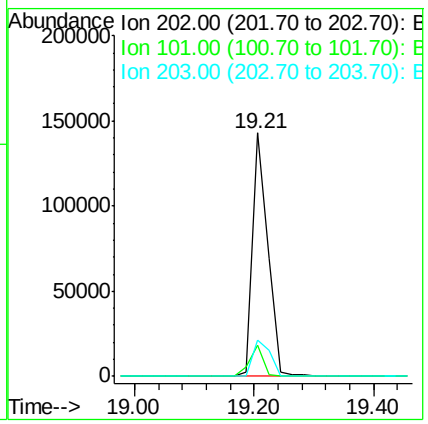




#21
Fluoranthene
Concen: 4.62 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:202 Resp: 253634

Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.3	12.5
203	17.5	13.9	20.9



Instrument :
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ClientSampleId :
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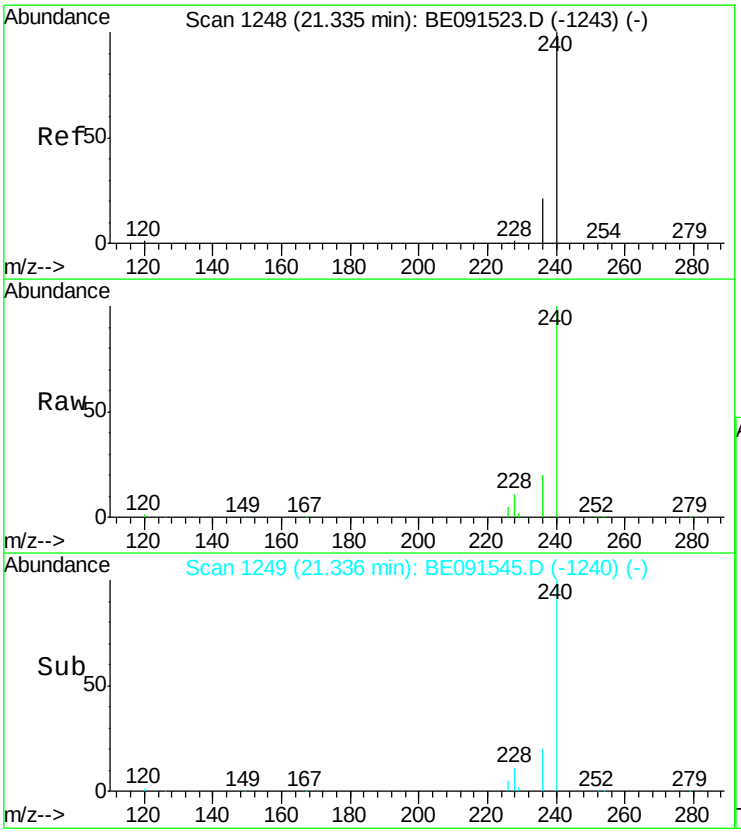
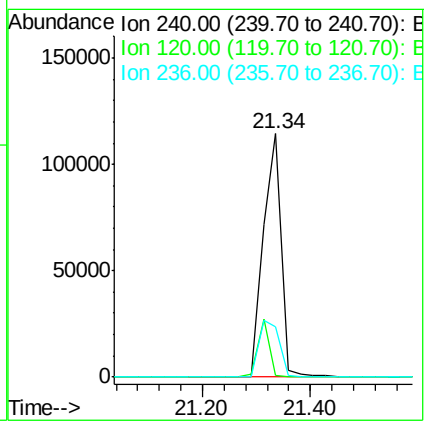
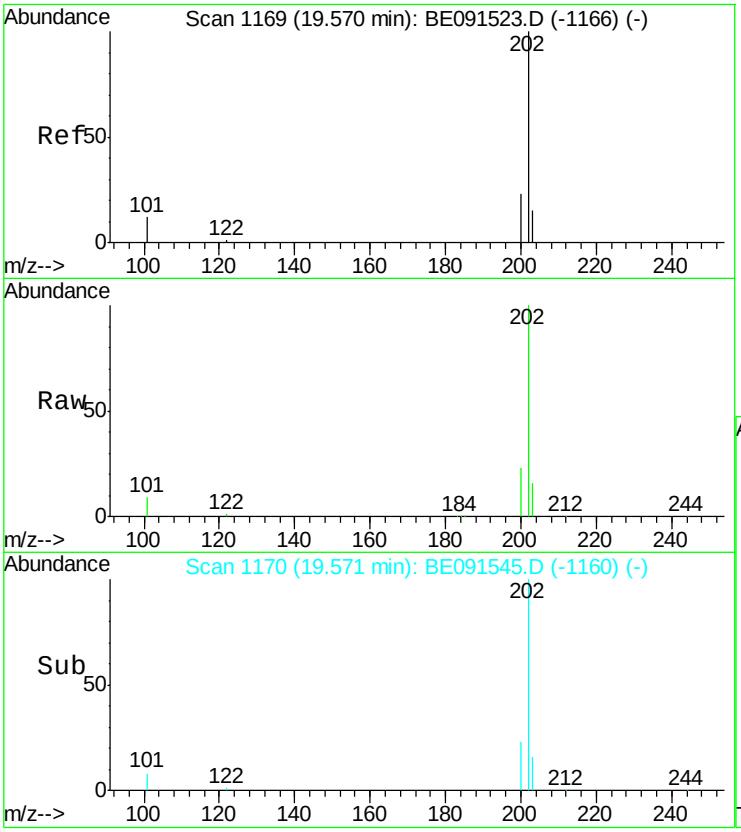


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:240 Resp: 265975

Ion	Ratio	Lower	Upper
240	100		
120	0.8	4.0	6.0#
236	20.5	23.0	34.4#

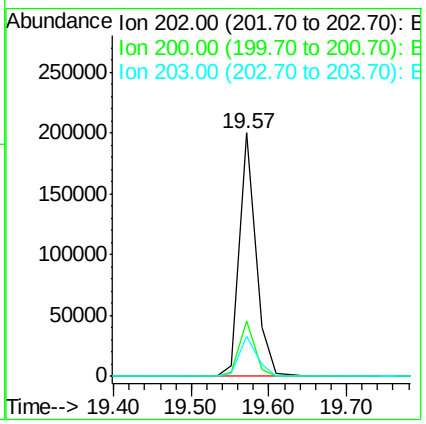




#23
Pyrene
Concen: 4.65 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:202 Resp: 291943

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.4	24.6
203	17.8	14.6	21.8



Instrument :
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ClientSampleId :
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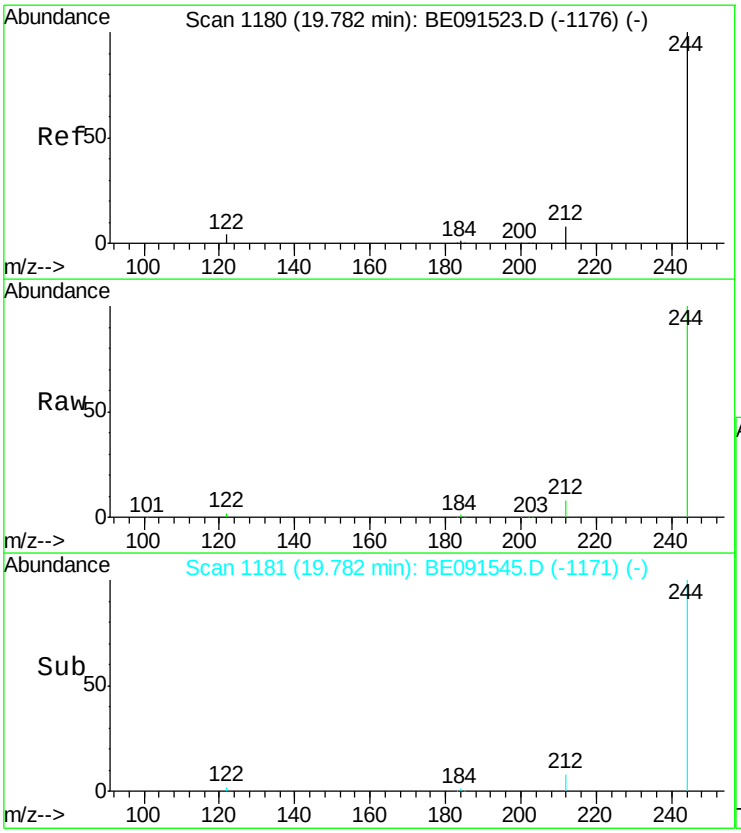
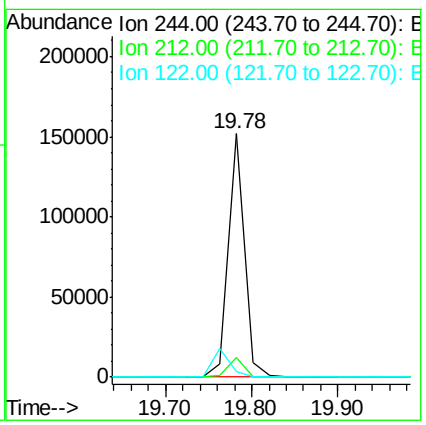
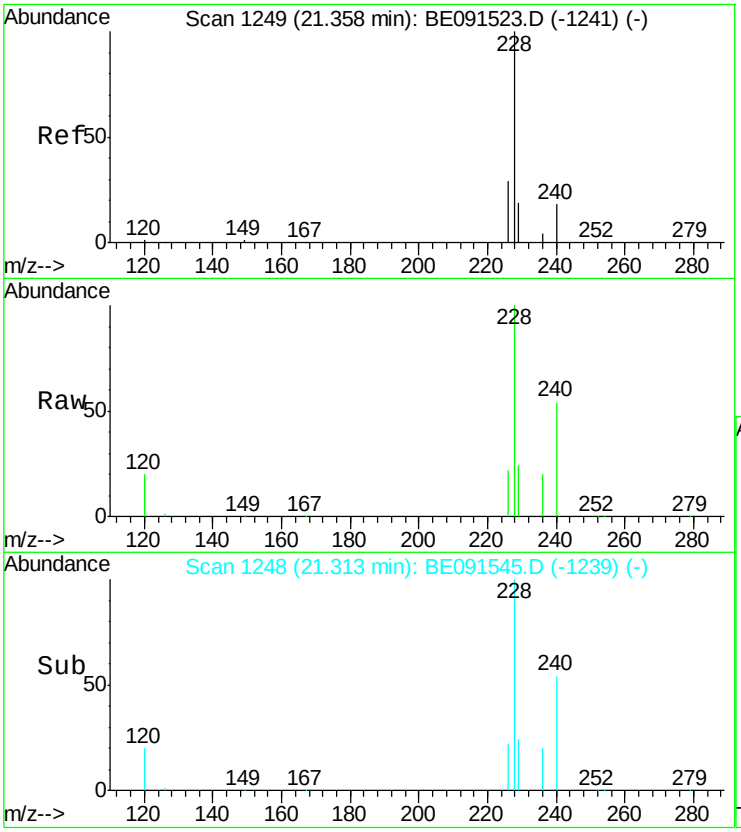


#24
Terphenyl-d14
Concen: 4.51 ng
RT: 19.78 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:244 Resp: 197175

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	2.0	1.8	2.8





#25
Benzo(a)anthracene
Concen: 4.36 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:228 Resp: 267796

Ion	Ratio	Lower	Upper
228	100		
226	21.8	24.0	36.0#
229	23.7	13.8	20.6#

Instrument :
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ClientSampleId :
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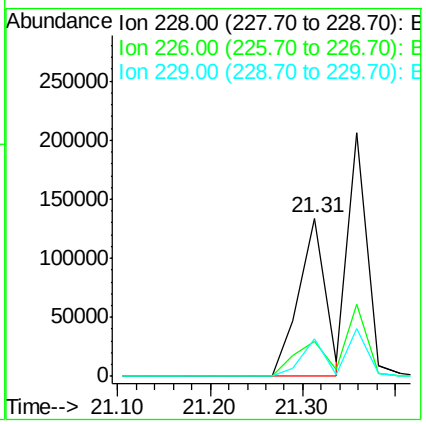
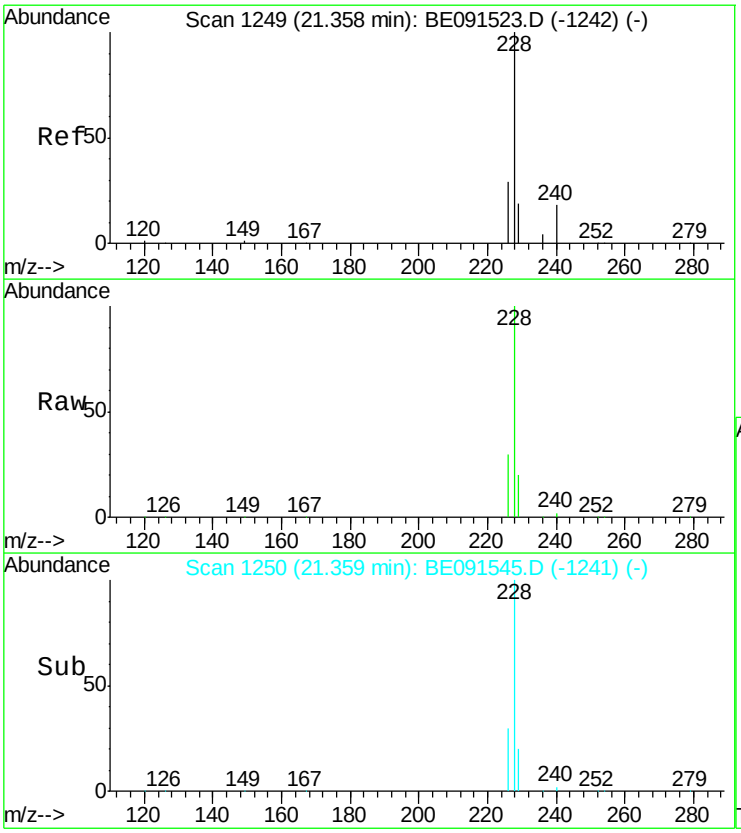
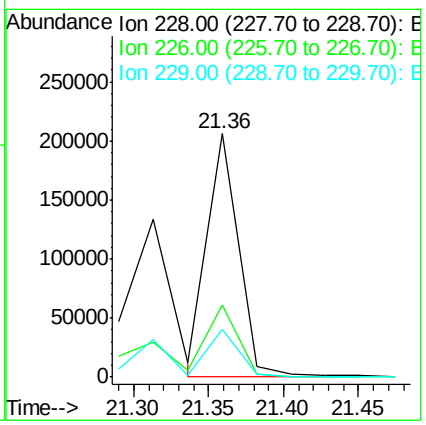


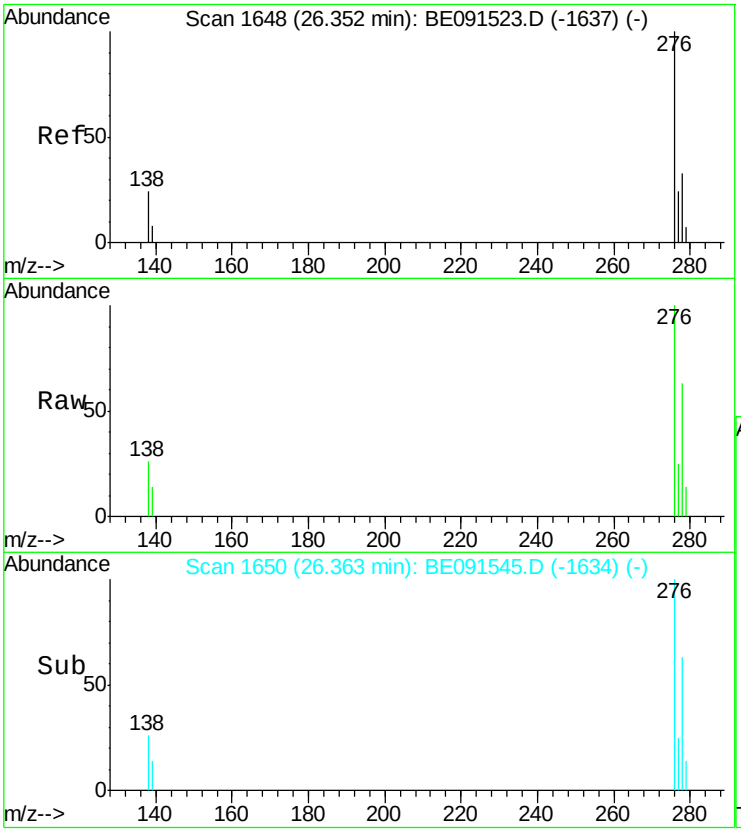


#26
Chrysene
Concen: 3.76 ng m
RT: 21.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:228 Resp: 303025

Ion	Ratio	Lower	Upper
228	100		
226	29.7	18.9	28.3#
229	19.8	19.1	28.7

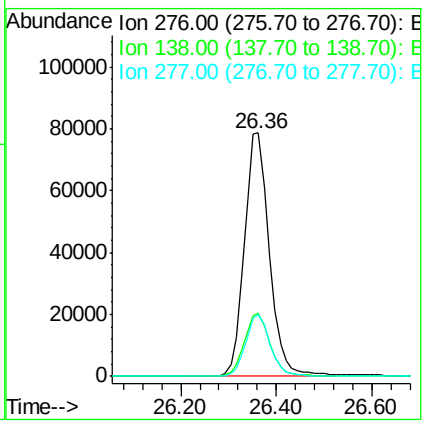




#27
Indeno(1,2,3-cd)pyrene
Concen: 4.54 ng
RT: 26.36 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:276 Resp: 284632

Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.2	30.4
277	25.0	19.8	29.8



Instrument :
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ClientSampleId :
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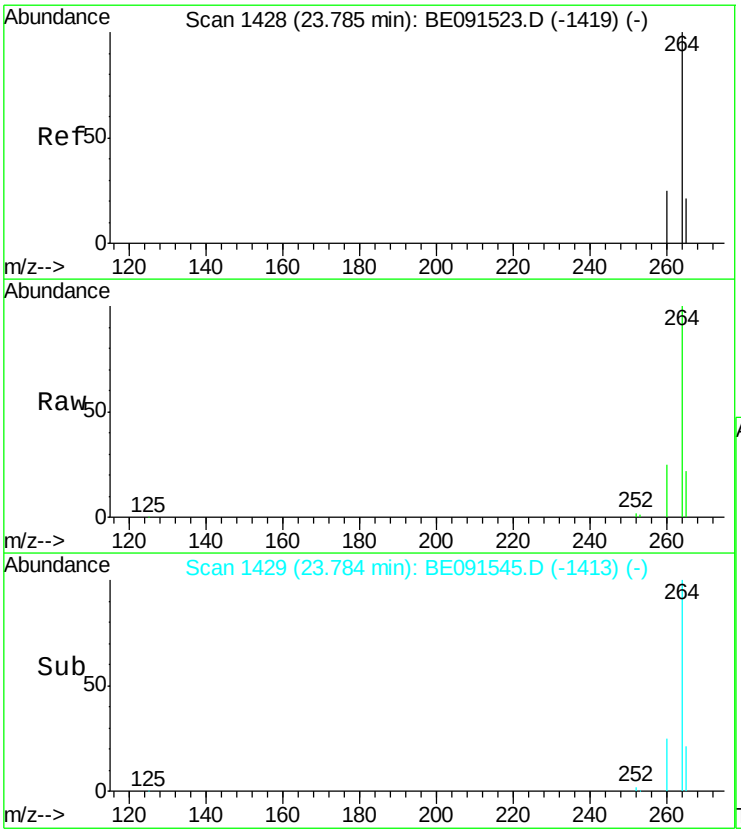
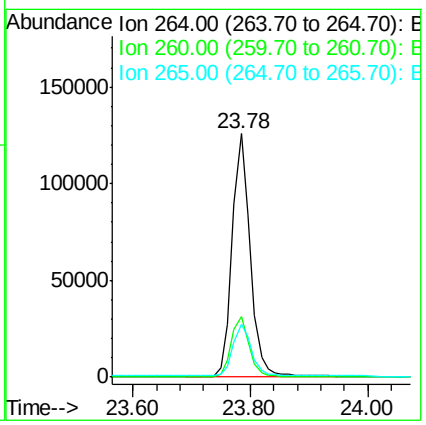
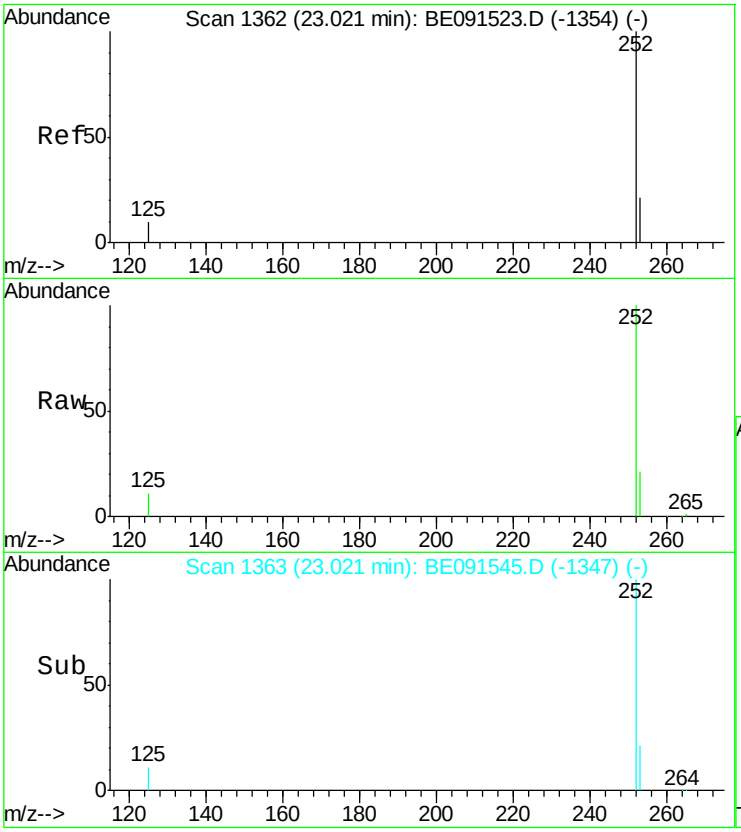


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:264 Resp: 270030

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	21.9	18.3	27.5

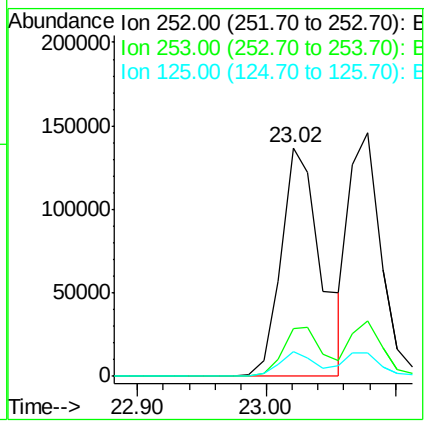




#29
Benzo(b)fluoranthene
Concen: 4.94 ng
RT: 23.02 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:252 Resp: 296380

Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.7	28.1
125	10.9	9.8	14.6



Instrument :
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ClientSampleId :
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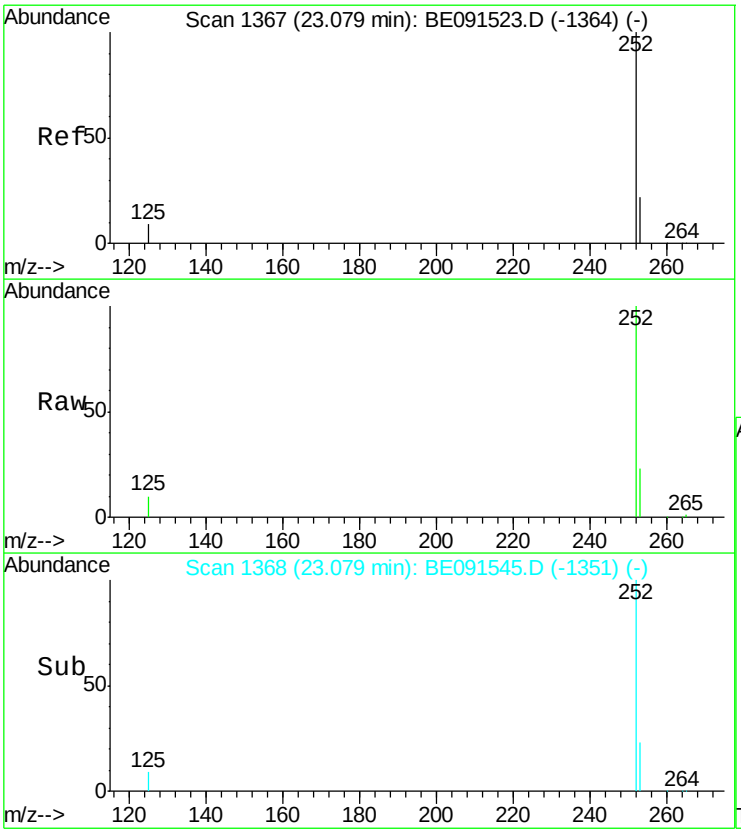
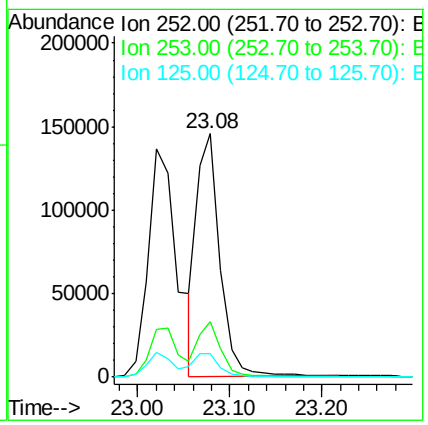
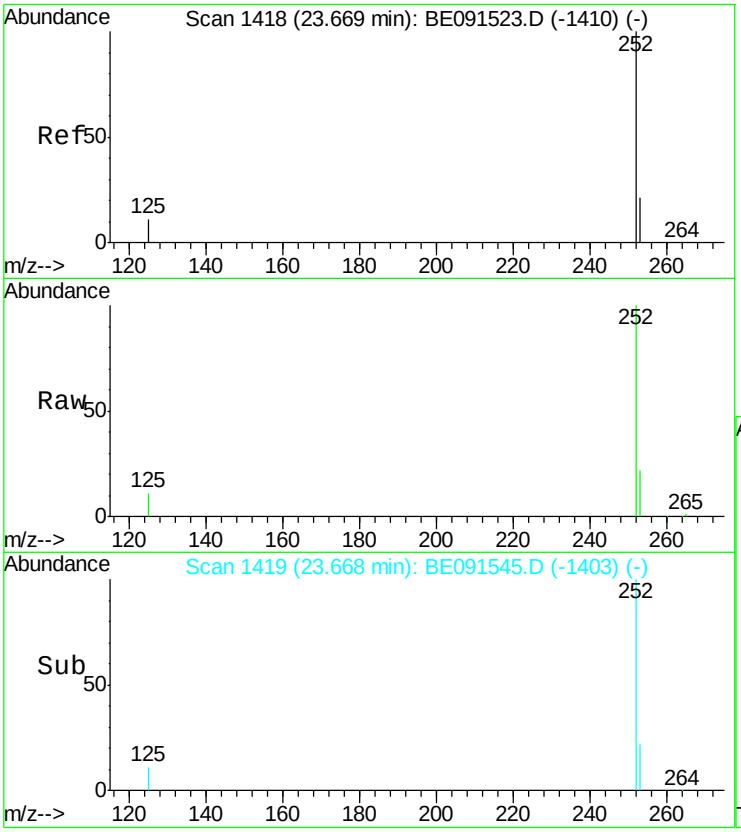


#30
Benzo(k)fluoranthene
Concen: 4.21 ng
RT: 23.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:252 Resp: 251862

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.2	30.4
125	9.6	9.4	14.2

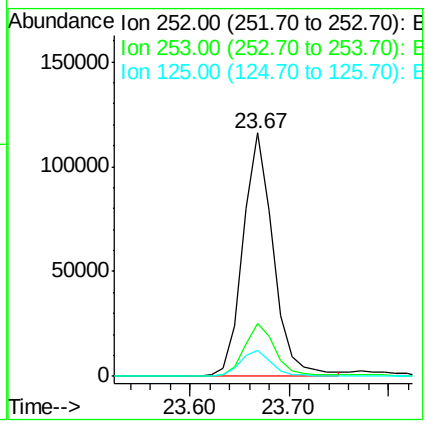




#31
Benzo(a)pyrene
Concen: 4.07 ng
RT: 23.67 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:252 Resp: 243127

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.4	29.0
125	10.9	11.4	17.2#



Instrument :
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ClientSampleId :
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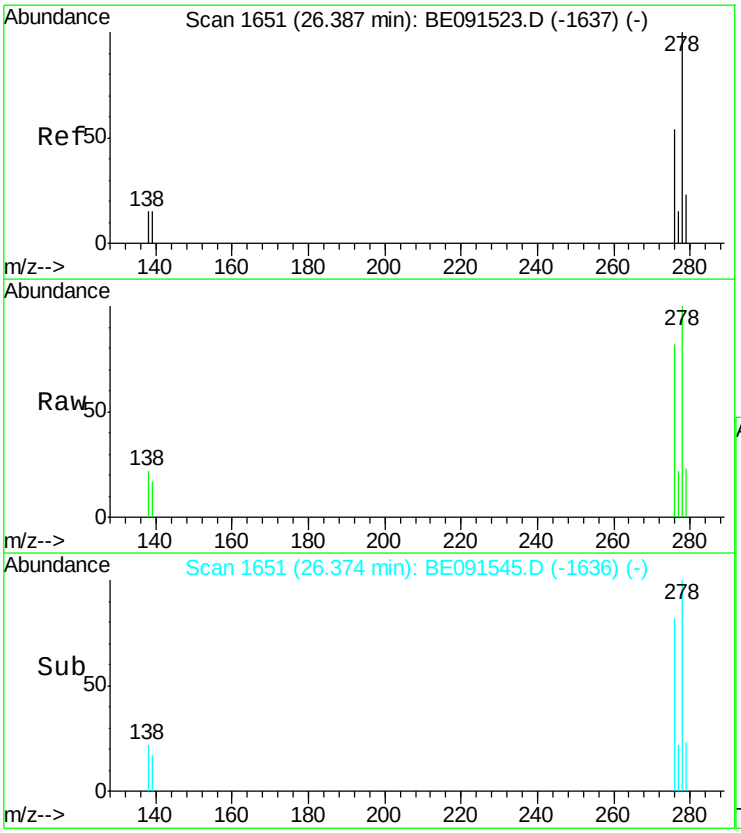
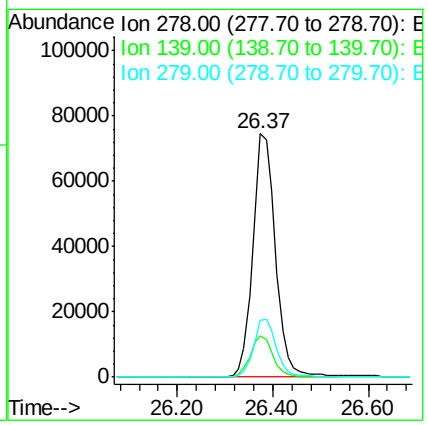
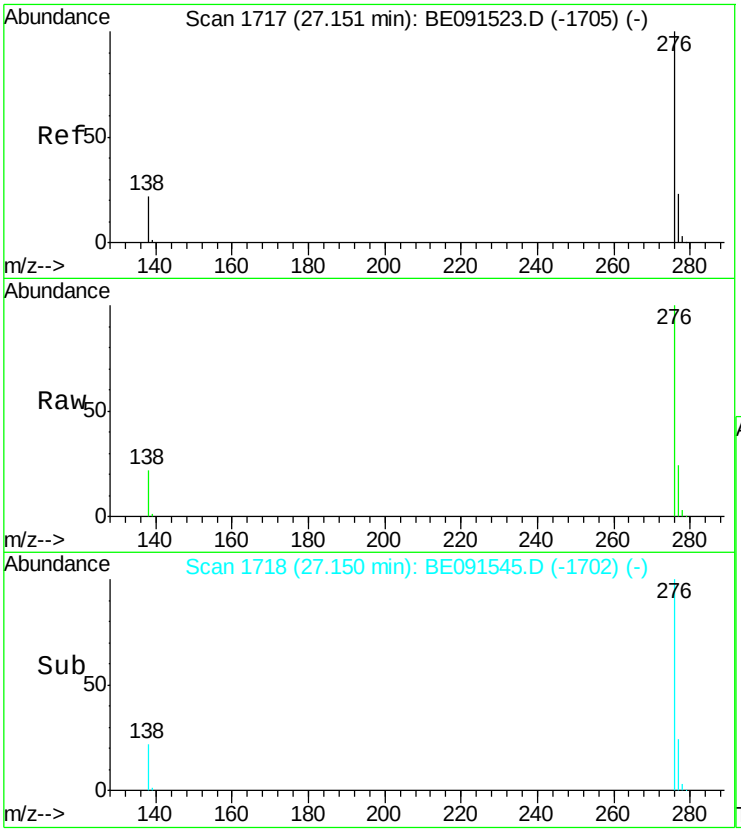


#32
Dibenzo(a,h)anthracene
Concen: 4.60 ng
RT: 26.37 min Scan# 1651
Delta R.T. -0.02 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:278 Resp: 244666

Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.2	21.4
279	23.3	19.6	29.4

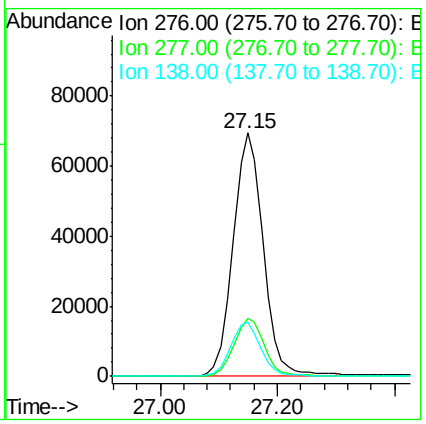




#33
Benzo(g,h,i)perylene
Concen: 4.41 ng
RT: 27.15 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BE091545.D
Acq: 28 Mar 2016 19:47

Tgt Ion:276 Resp: 244886

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	22.1	18.2	27.4



Instrument :
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ClientSampleId :
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