Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE091490.D
Acq On : 18 Mar 2016 19:42
Operator : UM/SJ
Sample : PB88982BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB88982BS

Manual Integrations APPROVED
Sohil
3/29/2016 3:27:54 PM

Quant Time: Mar 19 00:16:15 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 14:14:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	101646	5.00	ng		0.00
6) Naphthalene-d8	10.61	136	475580	5.00	ng		0.00
10) Acenaphthene-d10	14.45	164	277499	5.00	ng		0.00
16) Phenanthrene-d10	17.17	188	651859	5.00	ng		-0.01
22) Chrysene-d12	21.34	240	834747	5.00	ng		0.00
28) Perylene-d12	23.80	264	752322	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.42	112	78271	3.35	ng		0.00
5) Phenol-d6	6.99	99	108568	3.56	ng		0.00
7) Nitrobenzene-d5	8.98	82	42151	1.77	ng		0.00
11) 2,4,6-Tribromophenol	15.92	330	27774m	2.88	ng		-0.01
12) 2-Fluorobiphenyl	13.07	172	148746	2.13	ng		0.00
24) Terphenyl-d14	19.78	244	207457	2.07	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	22202	1.75	ng		97
3) n-Nitrosodimethylamine	3.66	42	28624	1.59	ng		85
8) Naphthalene	10.65	128	179260	1.54	ng		96
9) 2-Methylnaphthalene	12.26	142	122836	1.64	ng		94
13) Acenaphthylene	14.15	152	197540	1.50	ng		97
14) Acenaphthene	14.50	154	134913	1.58	ng		98
15) Fluorene	15.48	166	164147	1.52	ng		99
17) Hexachlorobenzene	16.48	284	45949	1.62	ng		97
18) Pentachlorophenol	16.81	266	39208	2.74	ng		90
19) Phenanthrene	17.22	178	288885	1.55	ng		99
20) Anthracene	17.30	178	260483	1.60	ng		99
21) Fluoranthene	19.22	202	304294	1.43	ng		98
23) Pyrene	19.57	202	331423	1.60	ng		98
25) Benzo(a)anthracene	21.31	228	385330m	1.68	ng		
26) Chrysene	21.36	228	365848m	1.72	ng		
27) Indeno(1,2,3-cd)pyrene	26.37	276	370876	1.55	ng		99
29) Benzo(b)fluoranthene	23.03	252	346613	1.46	ng		95
30) Benzo(k)fluoranthene	23.08	252	359728	1.48	ng		93
31) Benzo(a)pyrene	23.68	252	312326	1.49	ng	#	95
32) Dibenzo(a,h)anthracene	26.40	278	312324	1.51	ng		98
33) Benzo(g,h,i)perylene	27.16	276	318891	1.49	ng		99

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

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Instrument :
BNA_E
ClientSampleId :
PB88982BS

Manual Integrations APPROVED
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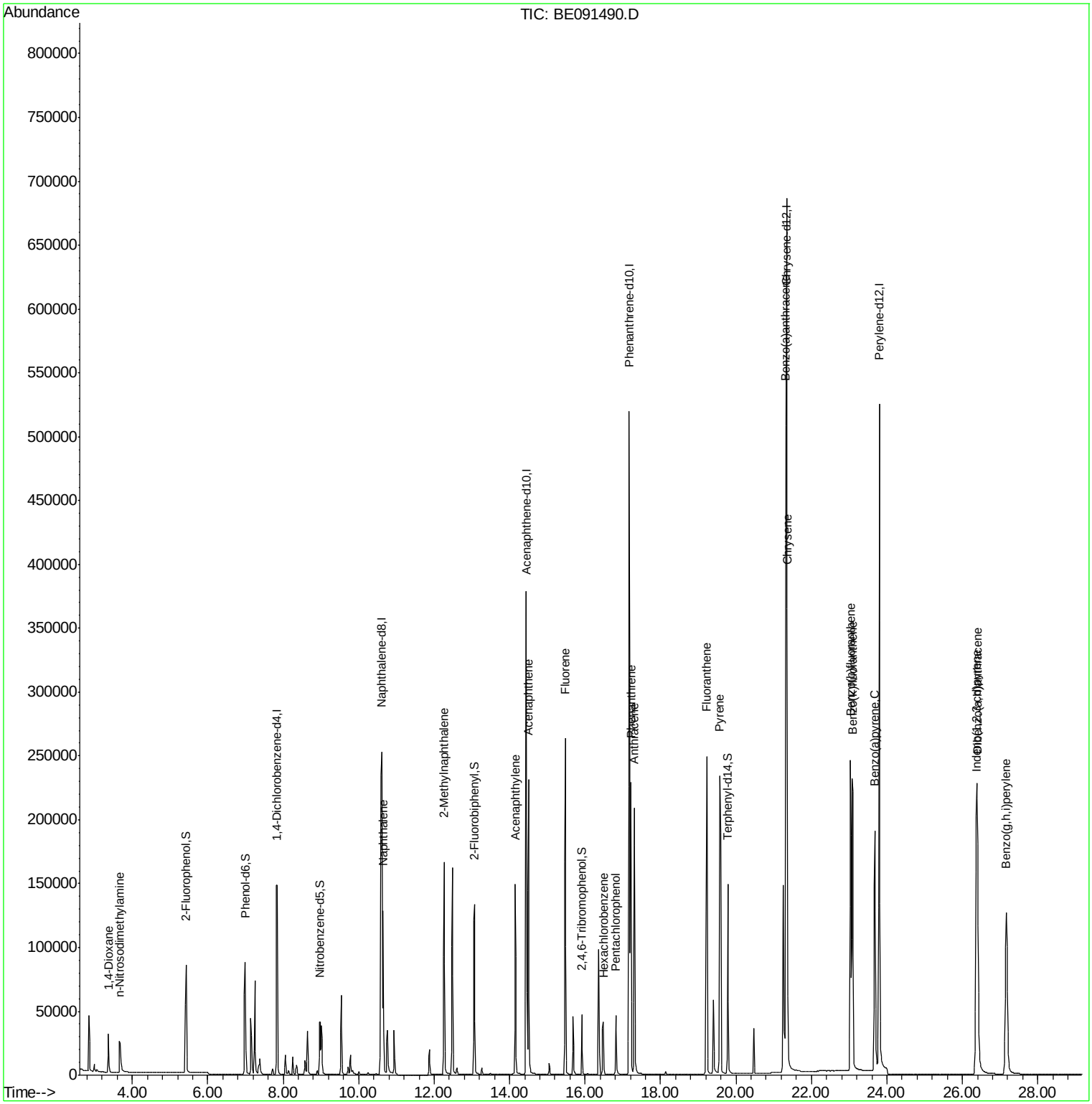
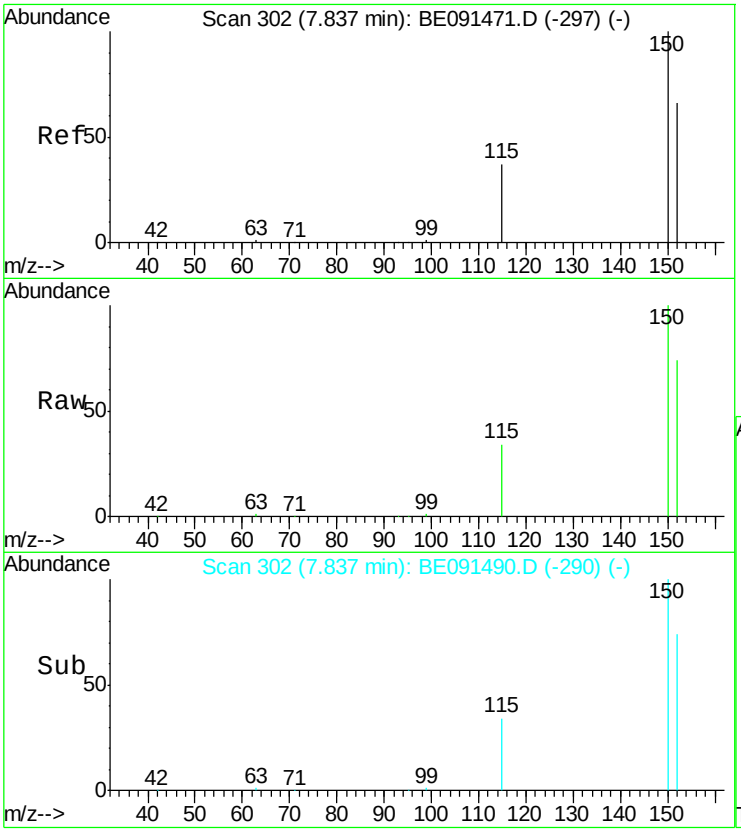
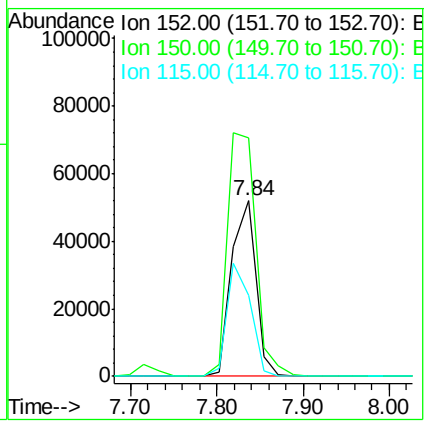




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:152 Resp: 101646

Ion	Ratio	Lower	Upper
152	100		
150	135.8	122.2	183.2
115	46.4	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
PB88982BS

Manual Integrations APPROVED
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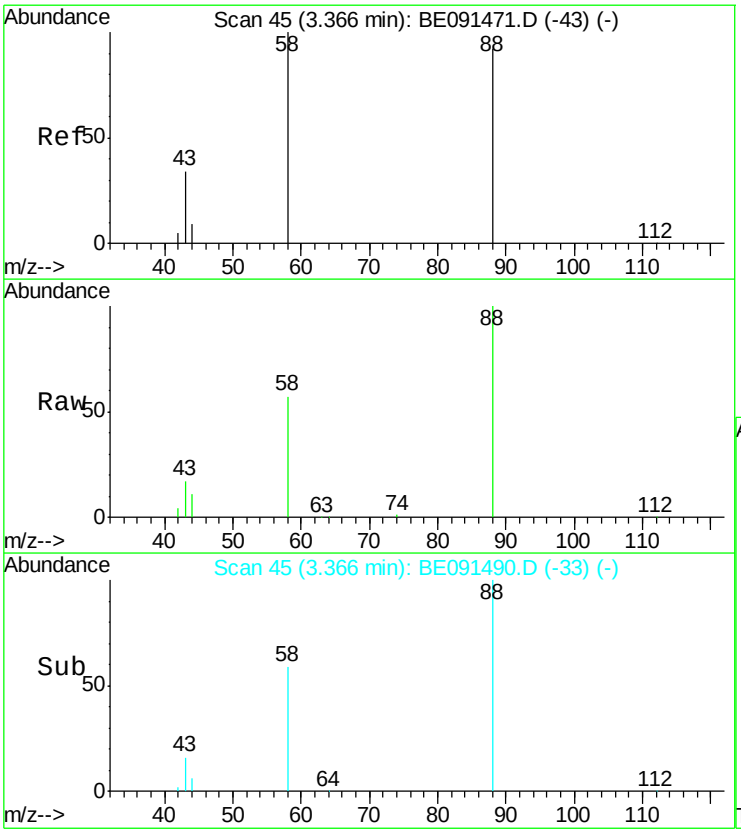
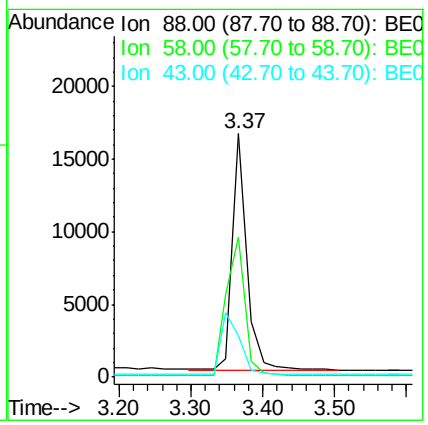
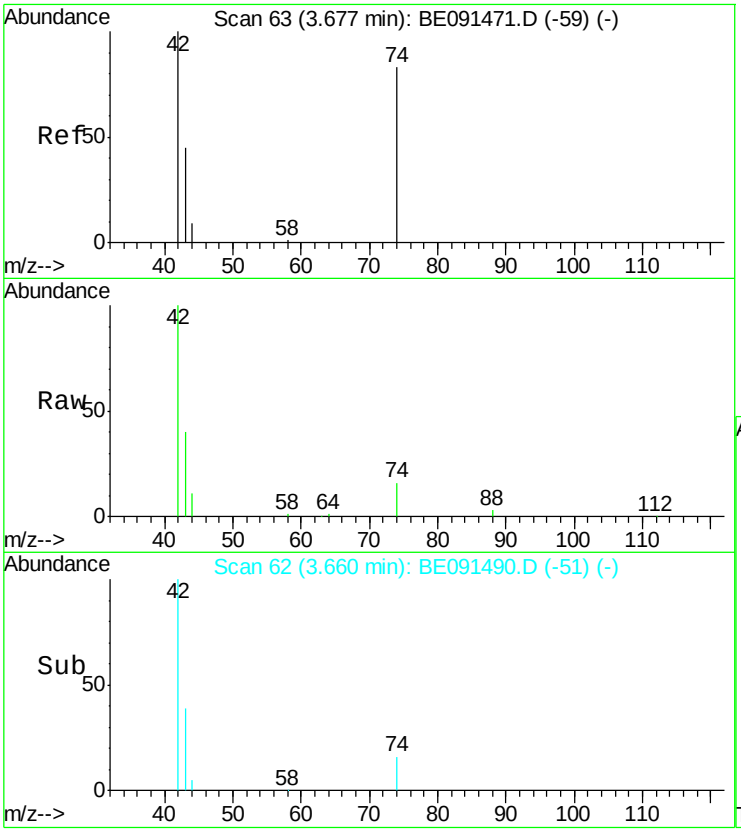


#2
1,4-Dioxane
Concen: 1.75 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion: 88 Resp: 22202

Ion	Ratio	Lower	Upper
88	100		
58	78.0	61.0	91.6
43	34.2	25.4	38.2

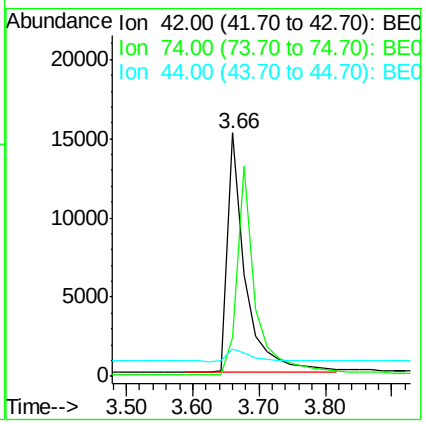




#3
n-Nitrosodimethylamine
Concen: 1.59 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion: 42 Resp: 28624

Ion	Ratio	Lower	Upper
42	100		
74	89.6	84.3	126.5
44	6.8	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
PB88982BS

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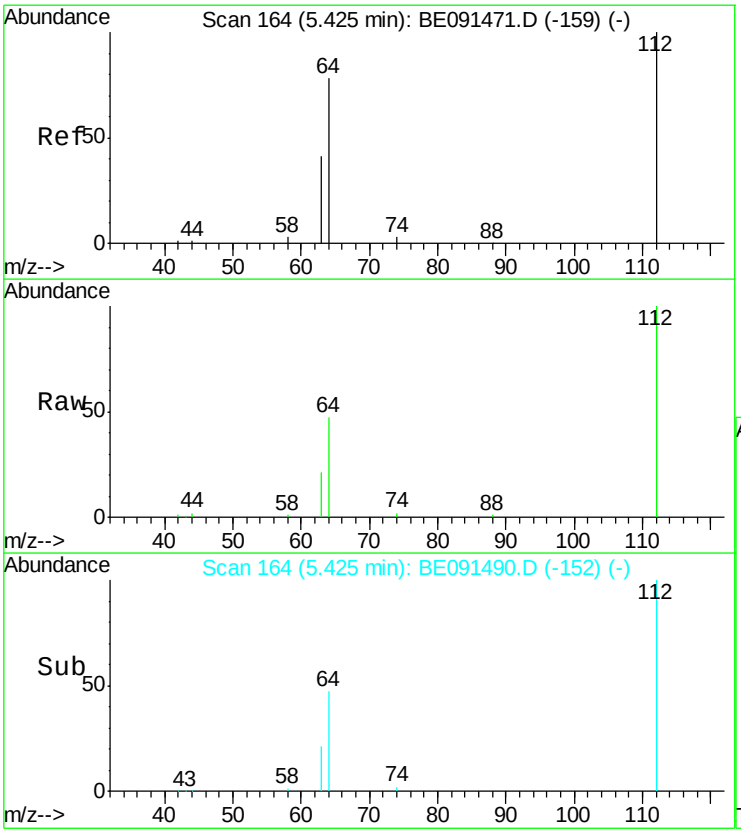
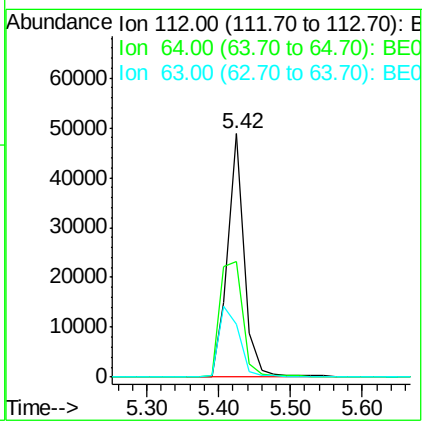
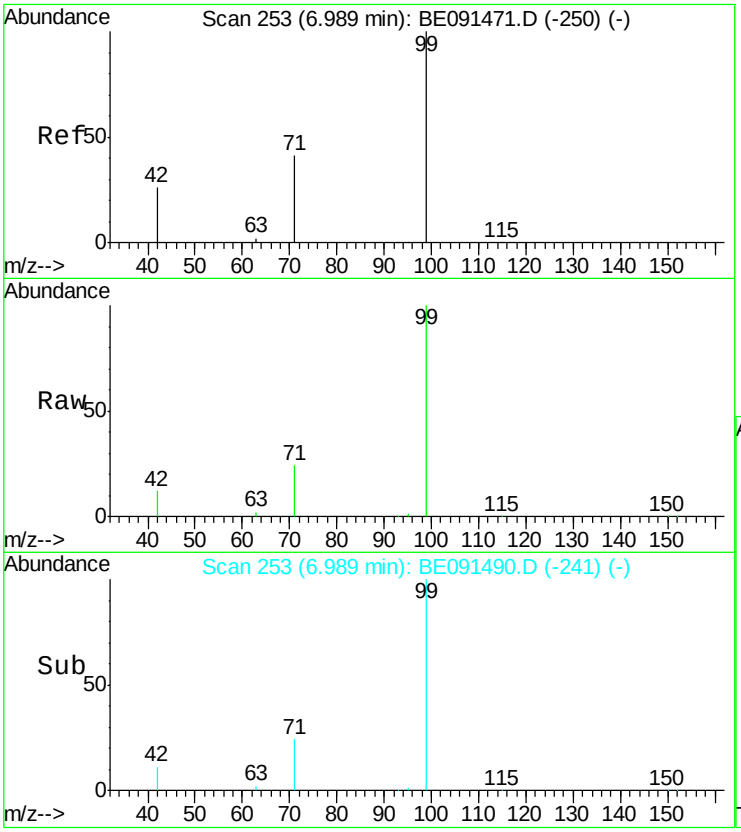


#4
2-Fluorophenol
Concen: 3.35 ng
RT: 5.42 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:112 Resp: 78271

Ion	Ratio	Lower	Upper
112	100		
64	66.1	53.3	79.9
63	35.8	29.8	44.8

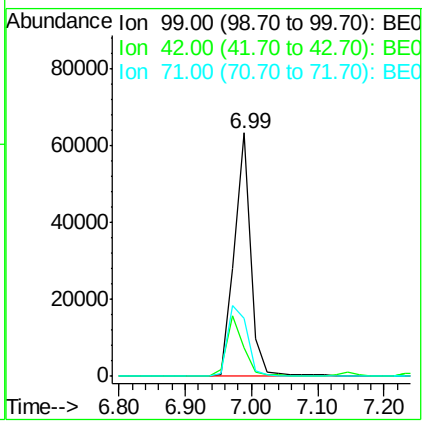




#5
Phenol-d6
Concen: 3.56 ng
RT: 6.99 min Scan# 253
Delta R.T. -0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion: 99 Resp: 108568

Ion	Ratio	Lower	Upper
99	100		
42	25.1	20.6	30.8
71	35.0	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB88982BS

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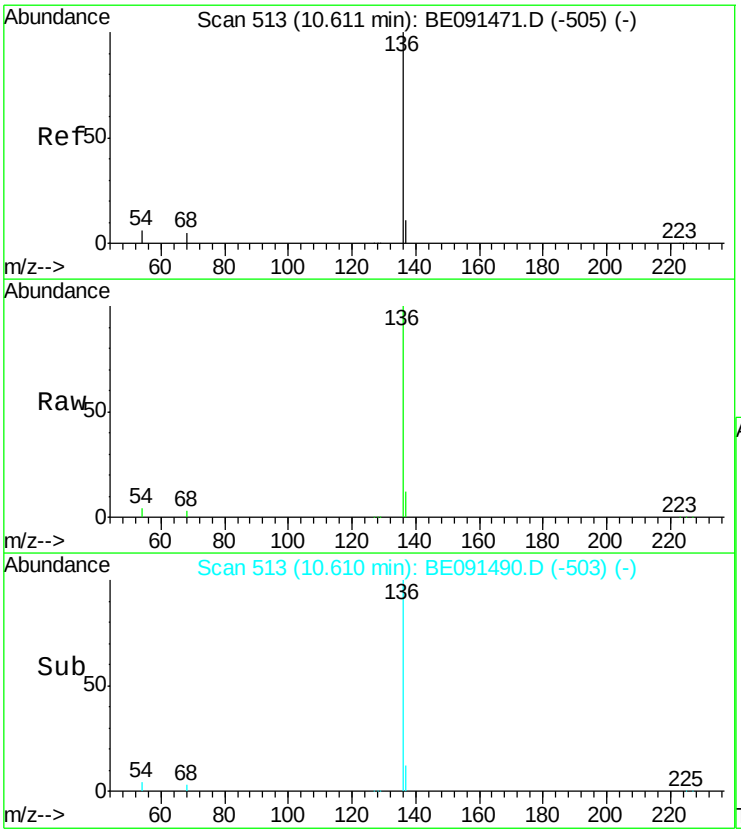
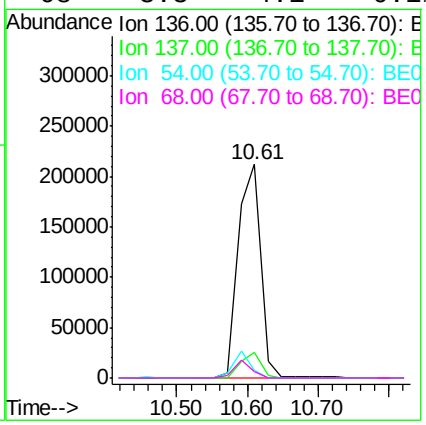
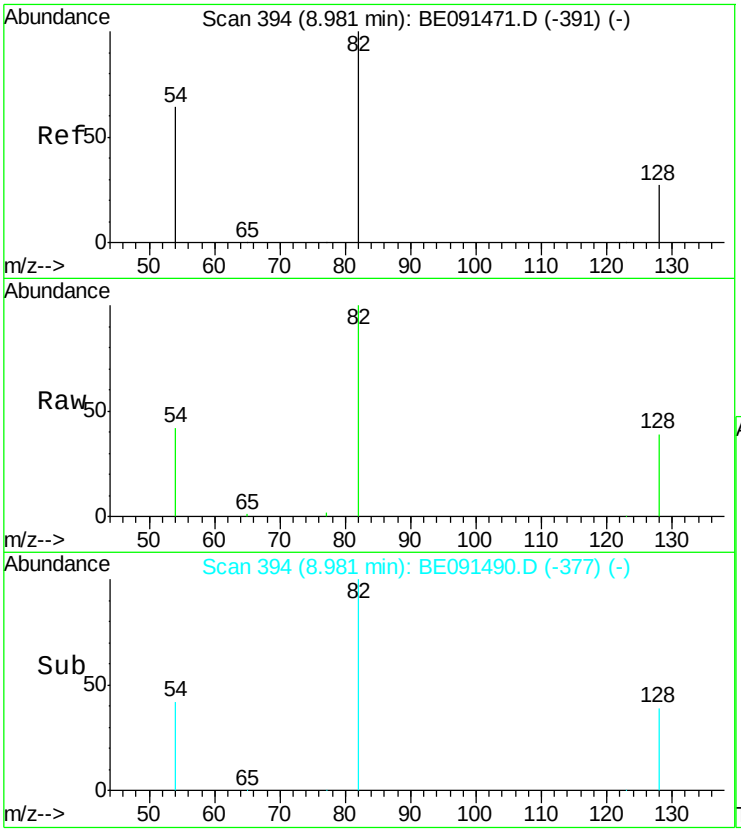


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:136 Resp: 475580

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.8	13.2
54	3.8	5.2	7.8#
68	3.3	4.1	6.1#

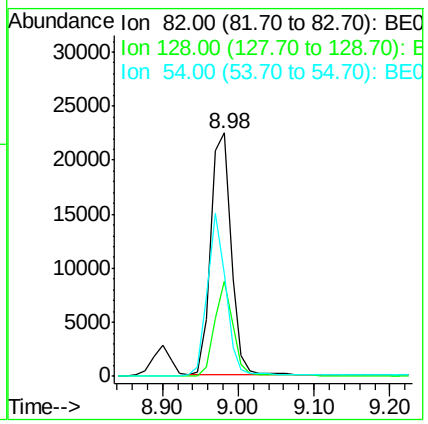




#7
Nitrobenzene-d5
Concen: 1.77 ng
RT: 8.98 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion: 82 Resp: 42151

Ion	Ratio	Lower	Upper
82	100		
128	39.0	23.5	35.3#
54	42.3	52.4	78.6#



Instrument :
BNA_E
ClientSampleId :
PB88982BS

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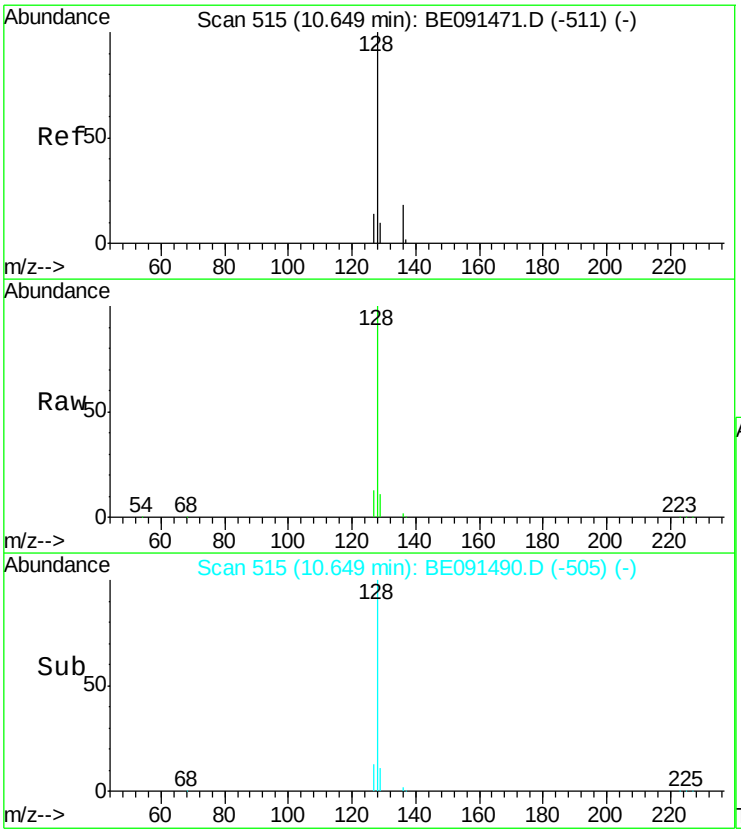
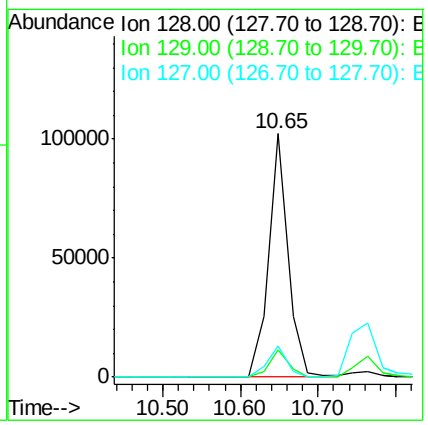
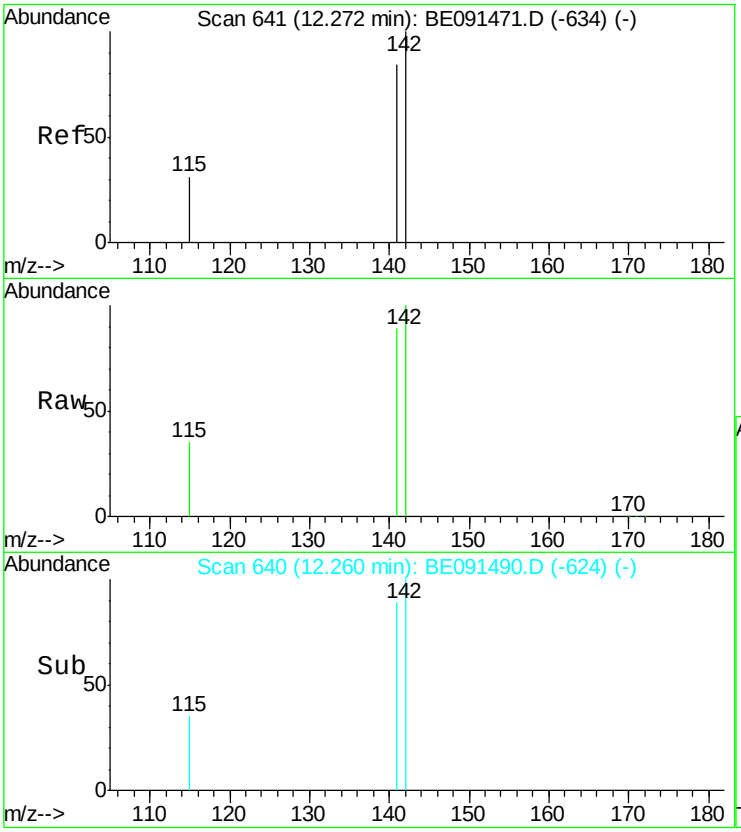


#8
Naphthalene
Concen: 1.54 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:128 Resp: 179260

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.2	12.2
127	12.7	11.8	17.8

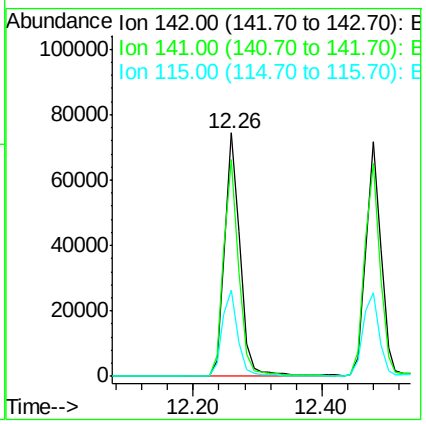




#9
2-Methylnaphthalene
Concen: 1.64 ng
RT: 12.26 min Scan# 640
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:142 Resp: 122836

Ion	Ratio	Lower	Upper
142	100		
141	88.8	66.9	100.3
115	35.2	25.1	37.7



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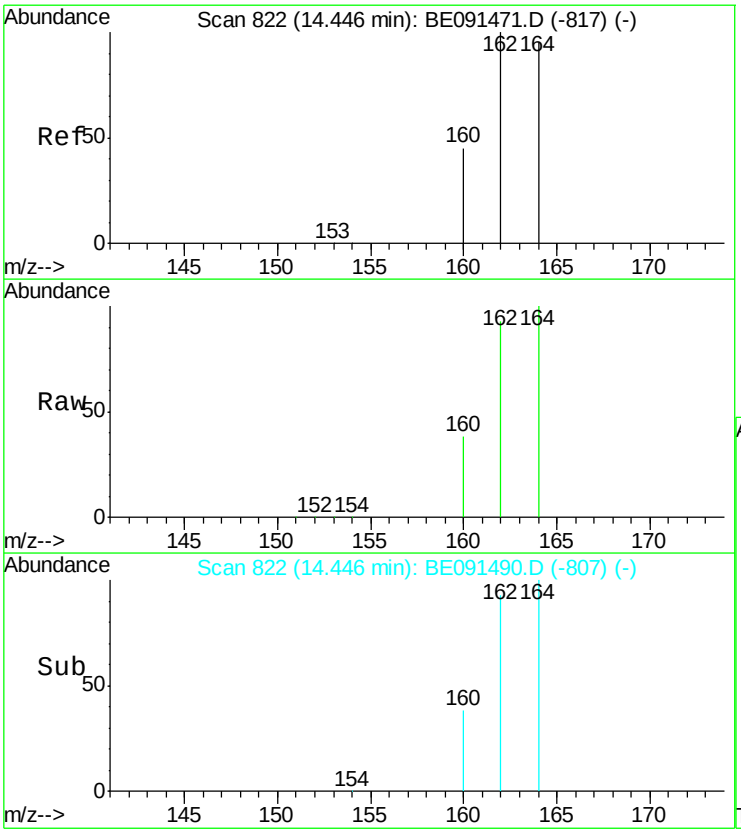
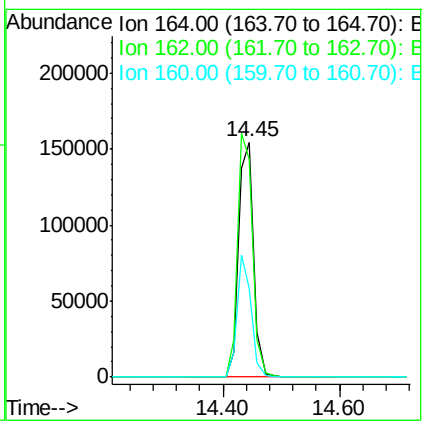
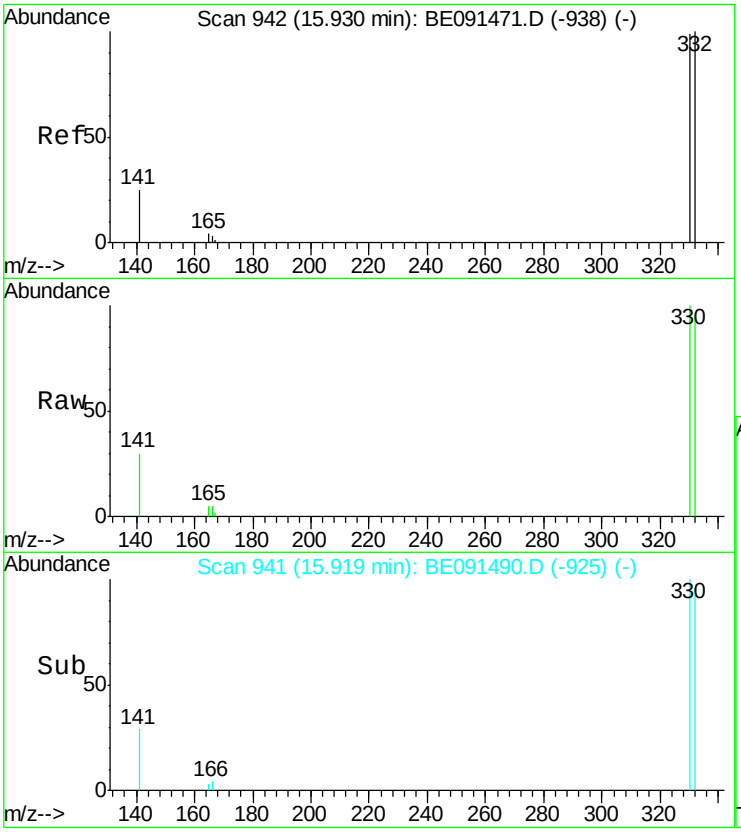


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.45 min Scan# 822
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:164 Resp: 277499

Ion	Ratio	Lower	Upper
164	100		
162	92.8	84.4	126.6
160	37.7	37.7	56.5

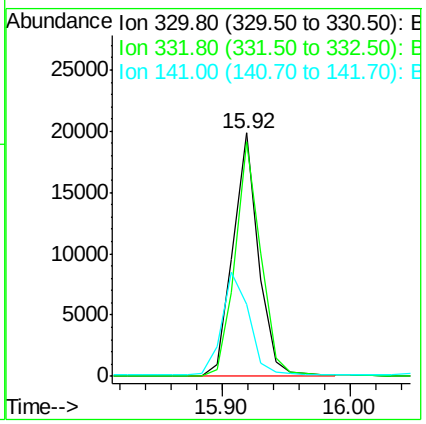




#11
2,4,6-Tribromophenol
Concen: 2.88 ng m
RT: 15.92 min Scan# 941
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:330 Resp: 27774

Ion	Ratio	Lower	Upper
330	100		
332	115.2	79.2	118.8
141	45.3	28.1	42.1#



Instrument :
BNA_E
ClientSampleId :
PB88982BS

Manual Integrations APPROVED
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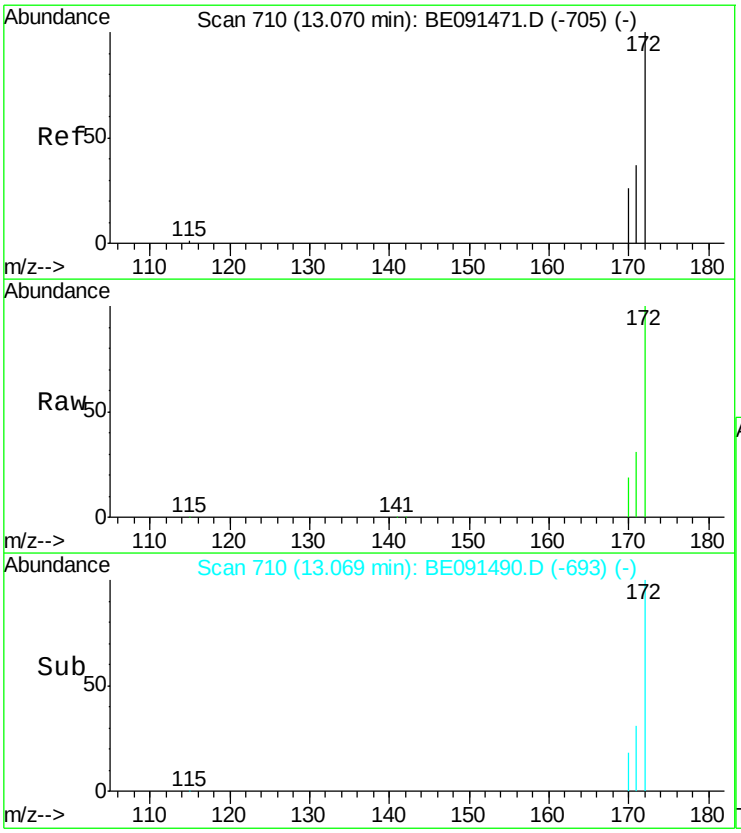
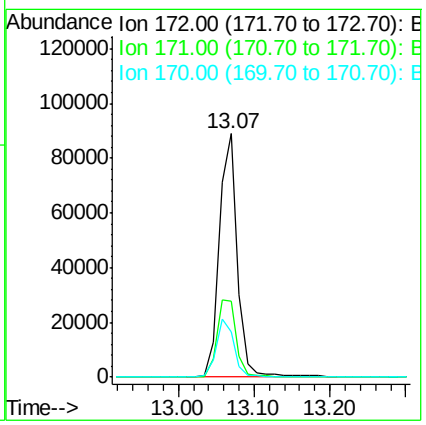
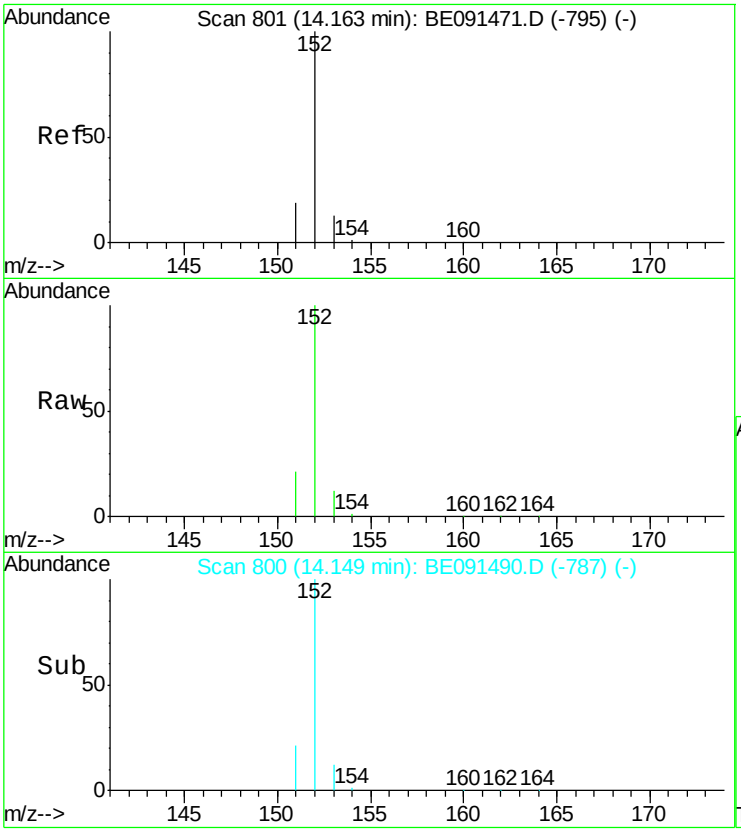


#12
2-Fluorobiphenyl
Concen: 2.13 ng
RT: 13.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:172 Resp: 148746

Ion	Ratio	Lower	Upper
172	100		
171	31.0	29.8	44.8
170	18.6	21.4	32.2#

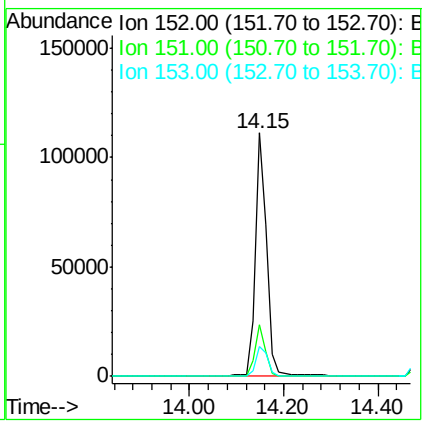




#13
Acenaphthylene
Concen: 1.50 ng
RT: 14.15 min Scan# 800
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:152 Resp: 197540

Ion	Ratio	Lower	Upper
152	100		
151	18.4	16.3	24.5
153	13.7	11.1	16.7



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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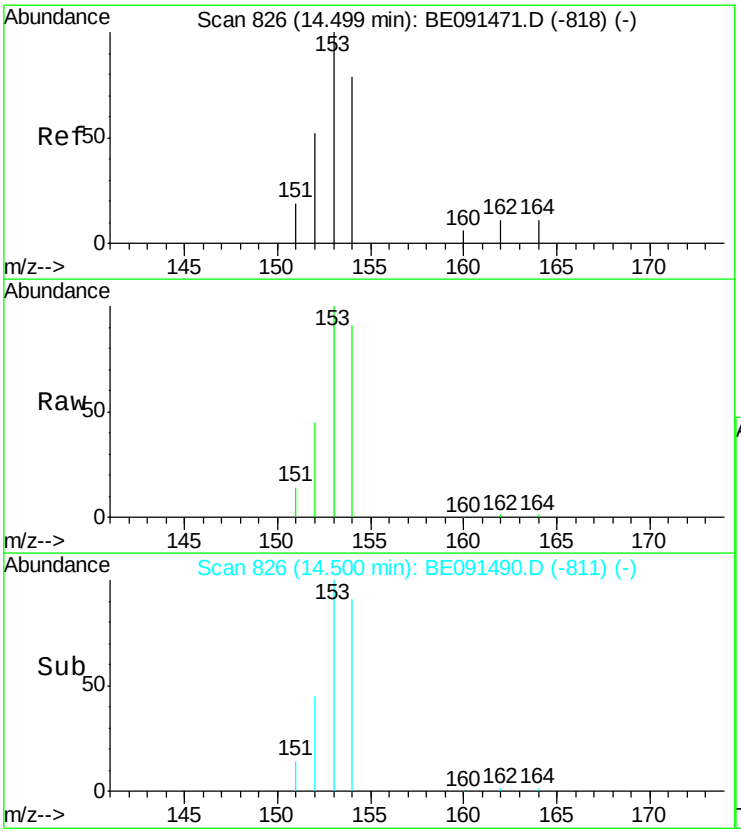
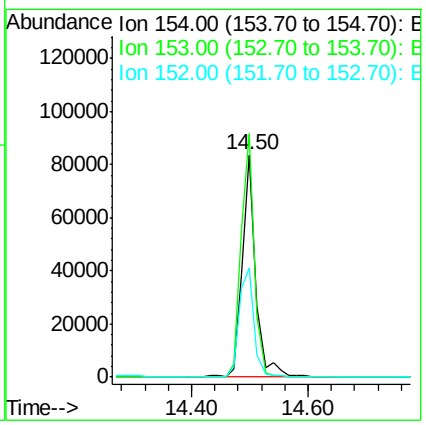
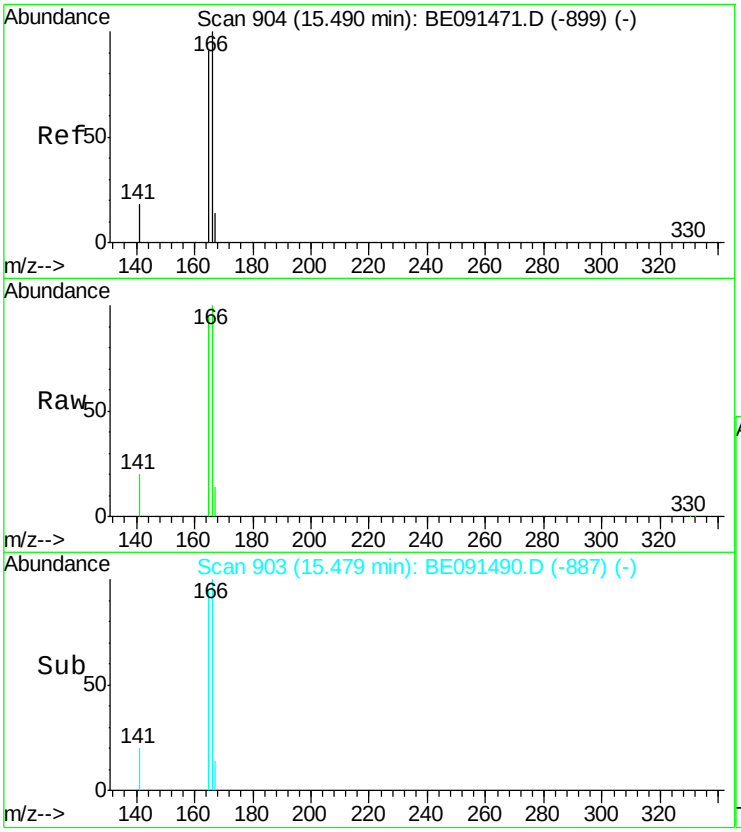


#14
Acenaphthene
Concen: 1.58 ng
RT: 14.50 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:154 Resp: 134913

Ion	Ratio	Lower	Upper
154	100		
153	106.8	87.3	130.9
152	52.3	42.9	64.3

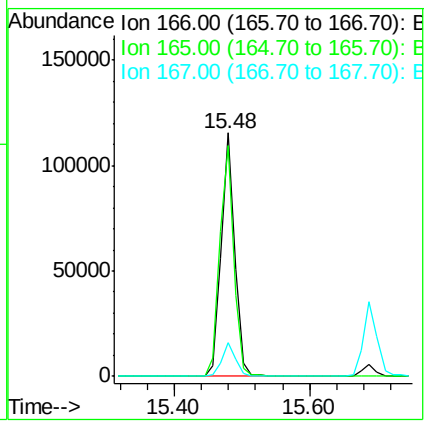




#15
Fluorene
Concen: 1.52 ng
RT: 15.48 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:166 Resp: 164147

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.2	118.8
167	13.6	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
PB88982BS

Manual Integrations APPROVED
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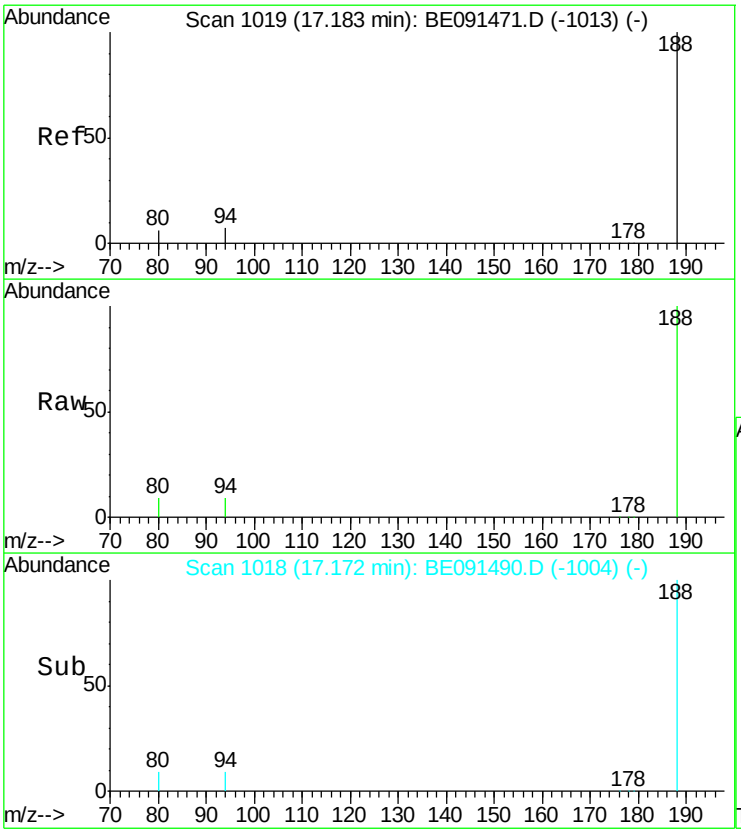
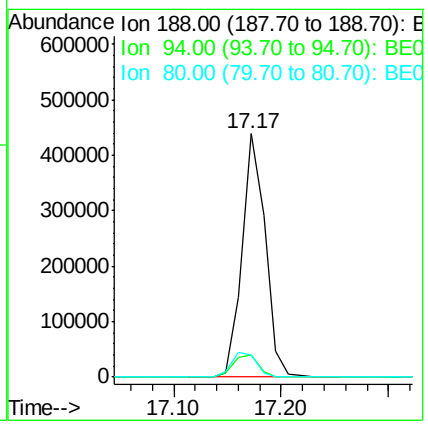
3/29/2016 3:27:54 PM

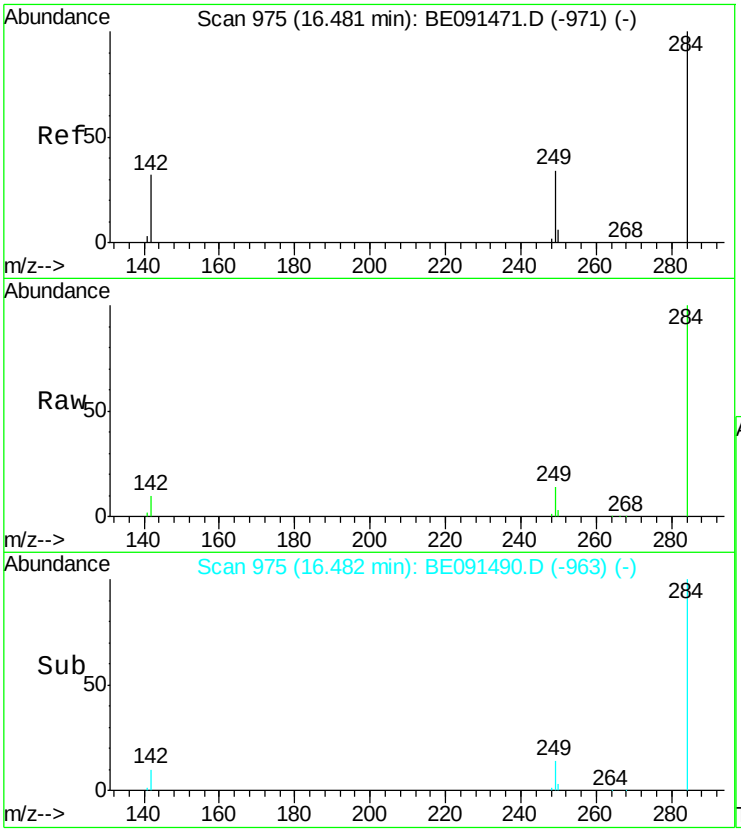


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:188 Resp: 651859

Ion	Ratio	Lower	Upper
188	100		
94	9.3	5.4	8.2#
80	8.9	5.0	7.4#

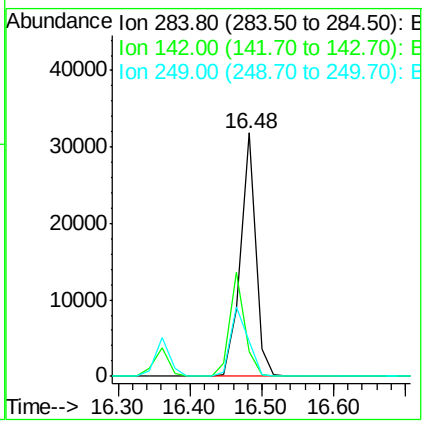




#17
Hexachlorobenzene
Concen: 1.62 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:284 Resp: 45949

Ion	Ratio	Lower	Upper
284	100		
142	41.6	31.0	46.4
249	31.7	25.8	38.8



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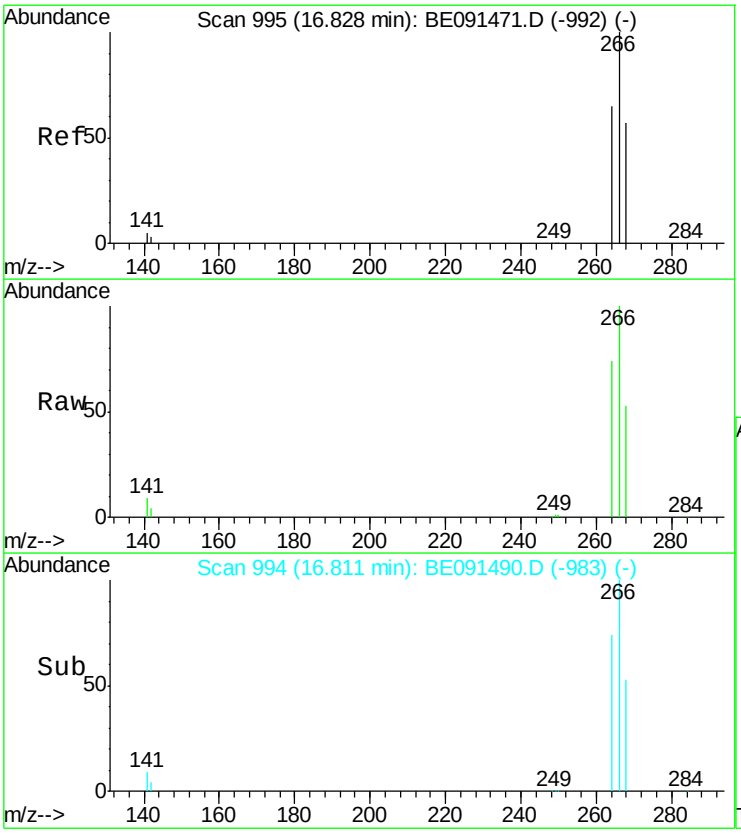
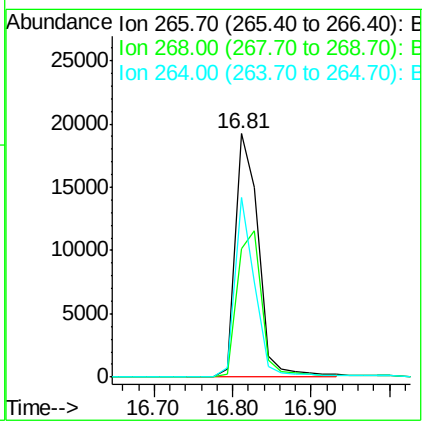
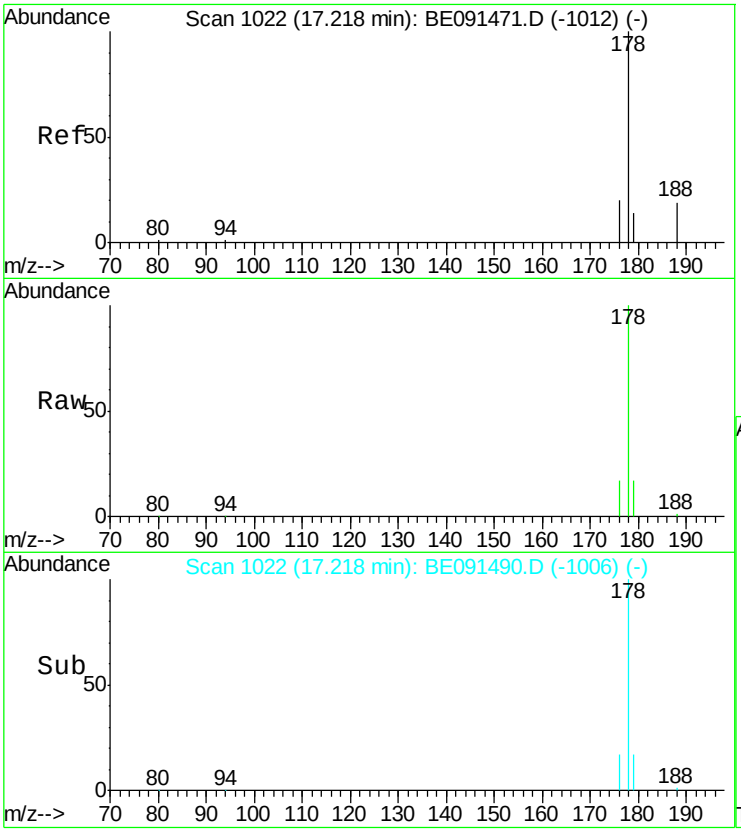


#18
Pentachlorophenol
Concen: 2.74 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:266 Resp: 39208

Ion	Ratio	Lower	Upper
266	100		
268	52.9	48.2	72.2
264	73.9	52.1	78.1

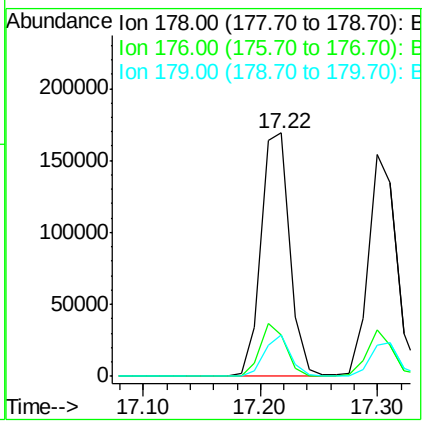




#19
Phenanthrene
Concen: 1.55 ng
RT: 17.22 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:178 Resp: 288885

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



Instrument :
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ClientSampleId :
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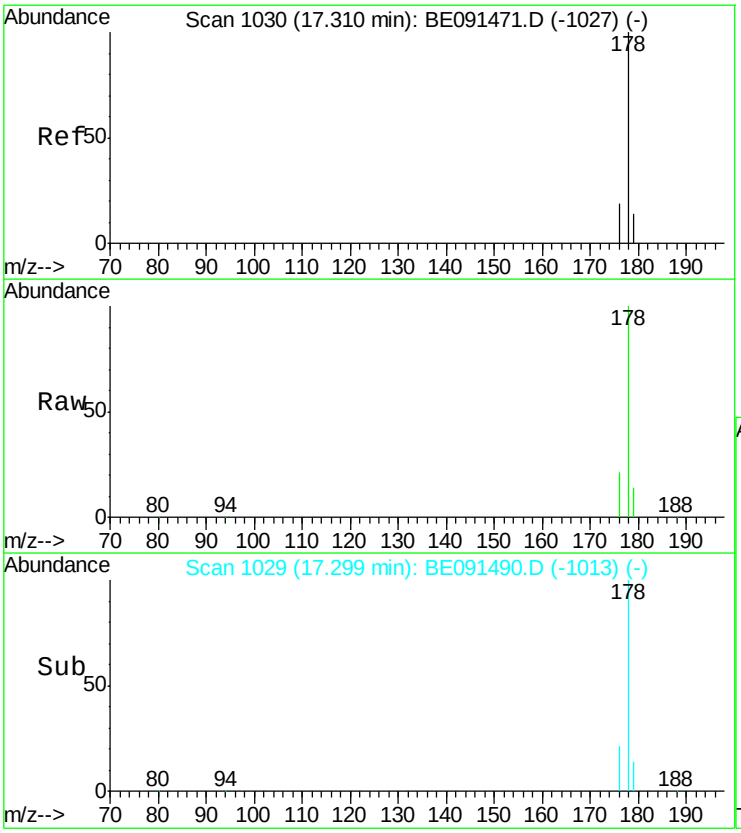
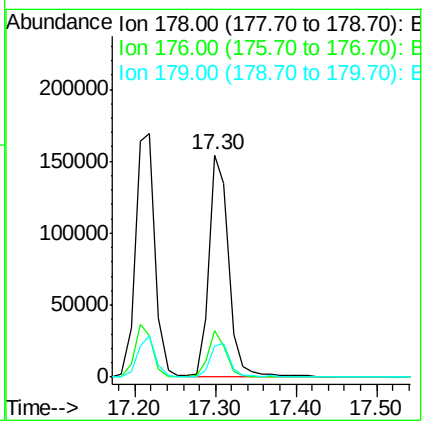
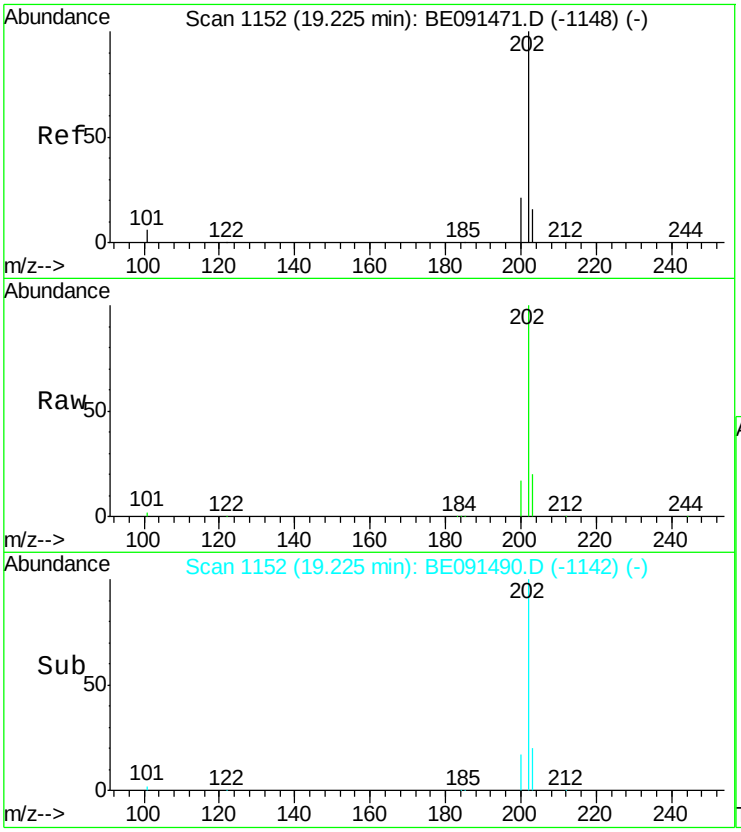


#20
Anthracene
Concen: 1.60 ng
RT: 17.30 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:178 Resp: 260483

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.7	12.2	18.4

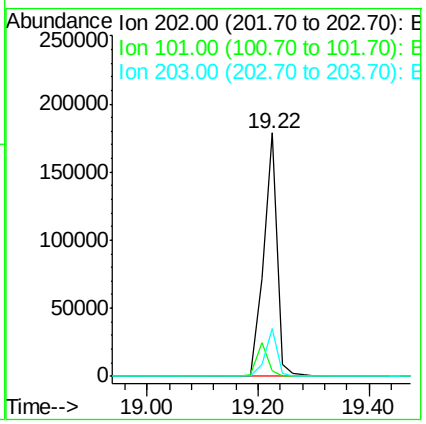




#21
Fluoranthene
Concen: 1.43 ng
RT: 19.22 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:202 Resp: 304294

Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.3	12.5
203	18.1	13.9	20.9



Instrument :
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ClientSampleId :
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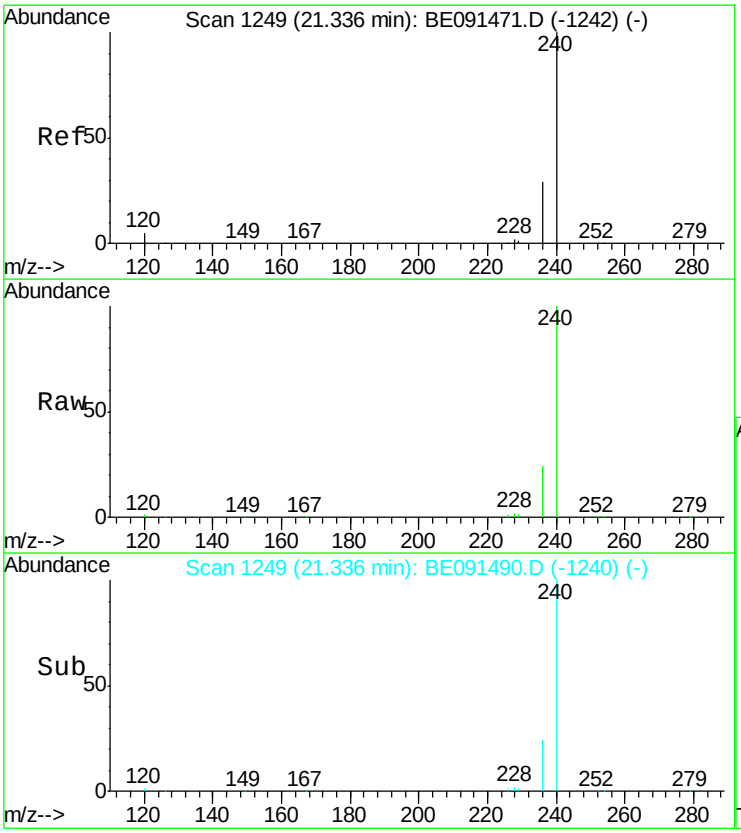
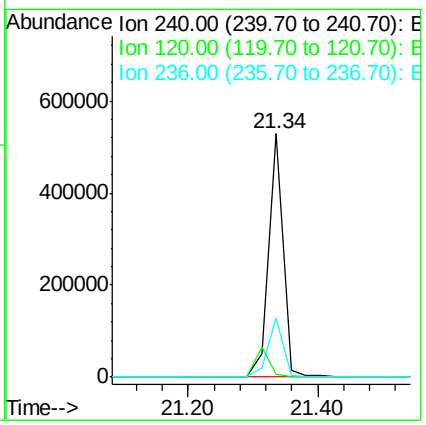
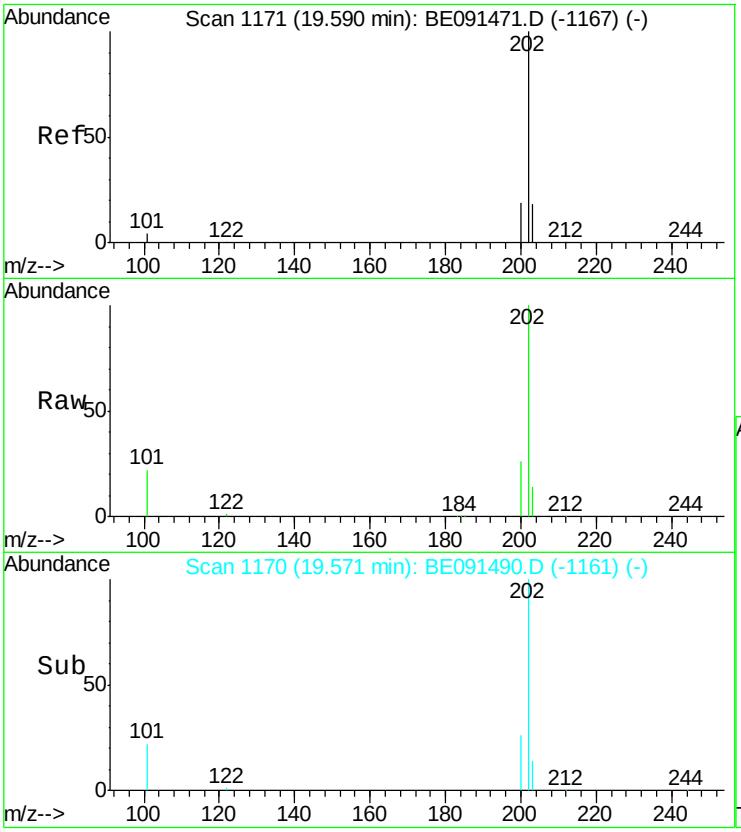


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:240 Resp: 834747

Ion	Ratio	Lower	Upper
240	100		
120	1.4	4.0	6.0#
236	24.2	23.0	34.4





#23
Pyrene
Concen: 1.60 ng
RT: 19.57 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:202 Resp: 331423

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.4	24.6
203	17.8	14.6	21.8

Instrument :
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ClientSampleId :
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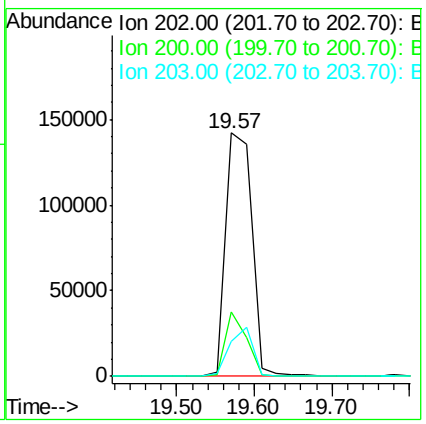
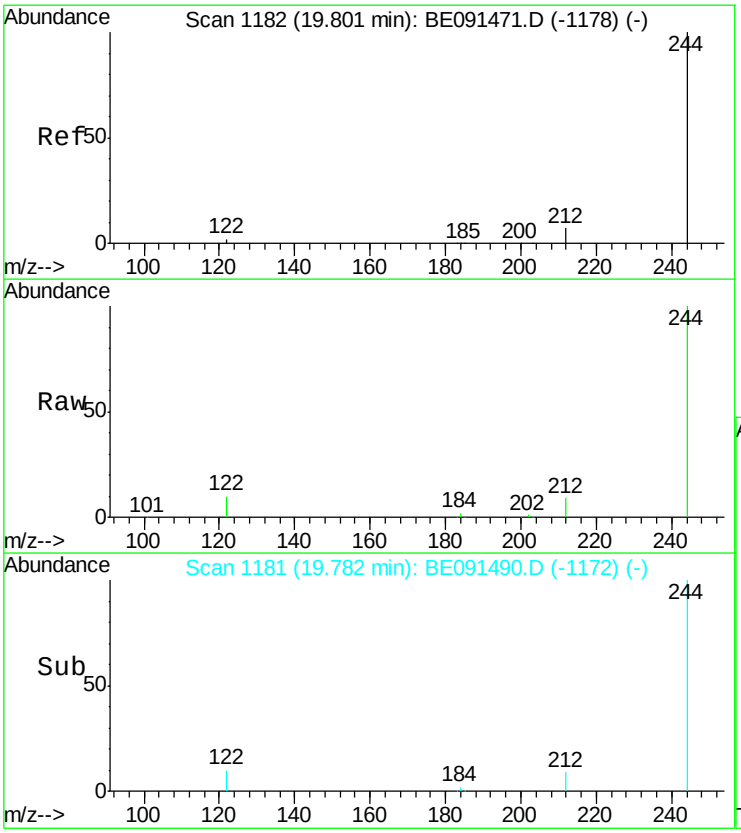
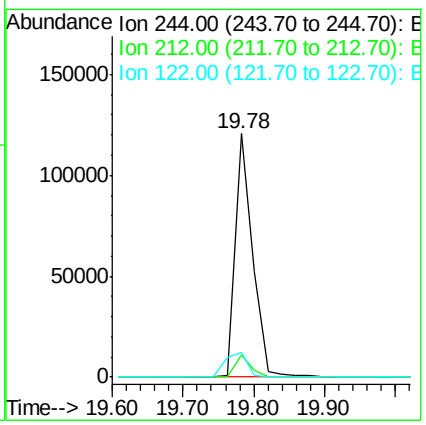


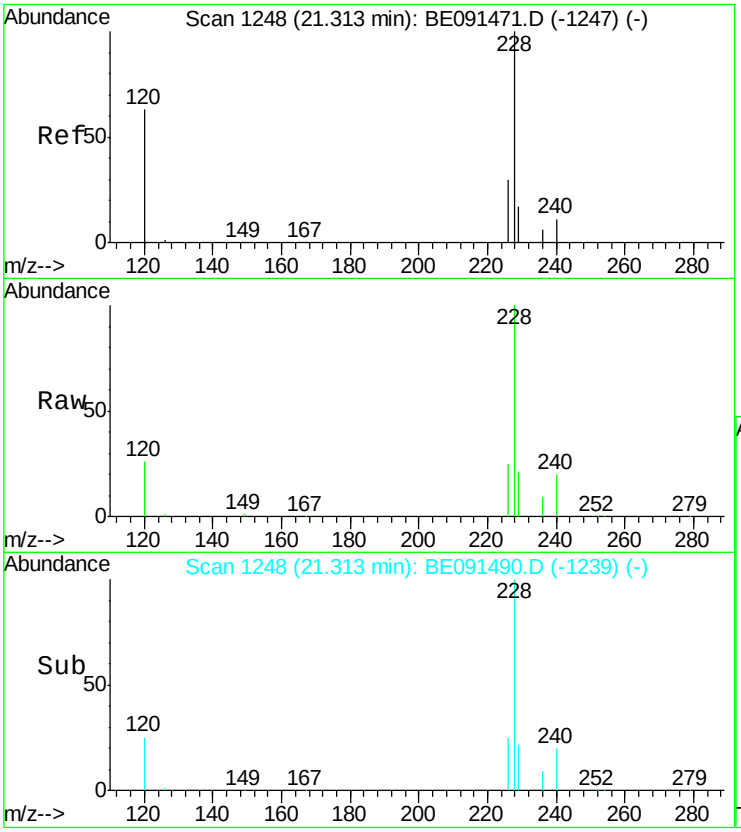


#24
Terphenyl-d14
Concen: 2.07 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:244 Resp: 207457

Ion	Ratio	Lower	Upper
244	100		
212	9.3	5.8	8.8#
122	10.2	1.8	2.8#

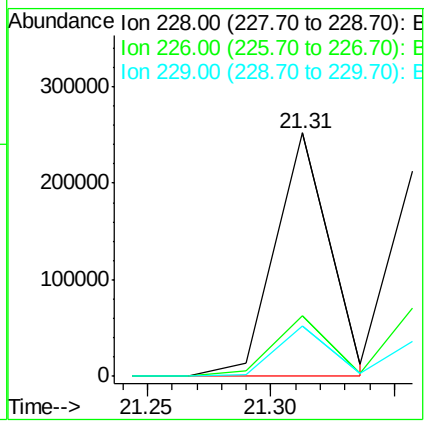




#25
Benzo(a)anthracene
Concen: 1.68 ng m
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:228 Resp: 385330

Ion	Ratio	Lower	Upper
228	100		
226	25.1	24.0	36.0
229	20.6	13.8	20.6



Instrument :
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ClientSampleId :
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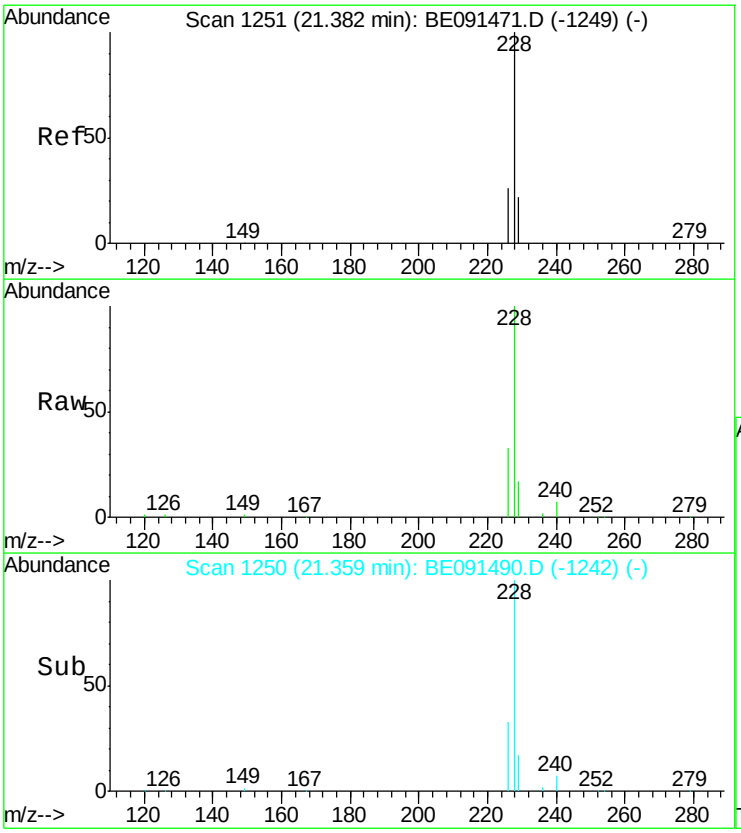
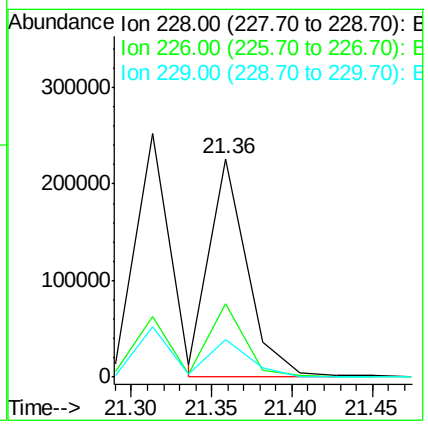
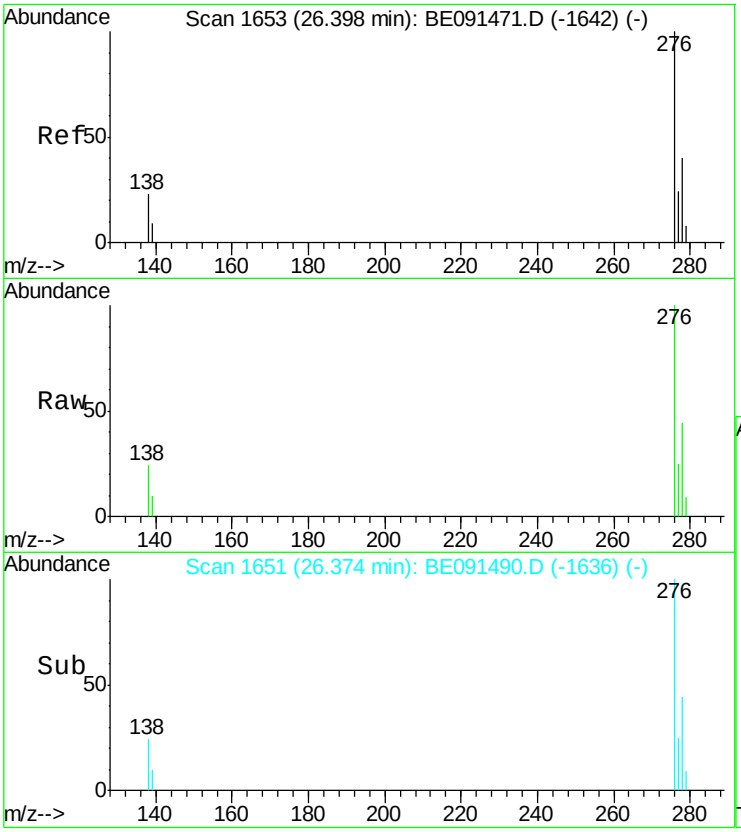


#26
Chrysene
Concen: 1.72 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:228 Resp: 365848

Ion	Ratio	Lower	Upper
228	100		
226	33.4	18.9	28.3#
229	17.3	19.1	28.7#

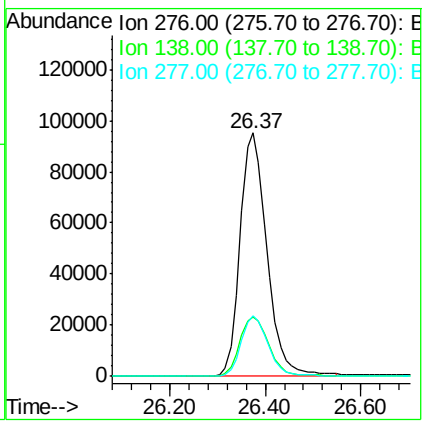




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.55 ng
RT: 26.37 min Scan# 1651
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:276 Resp: 370876

Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.2	30.4
277	24.8	19.8	29.8



Instrument :
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ClientSampleId :
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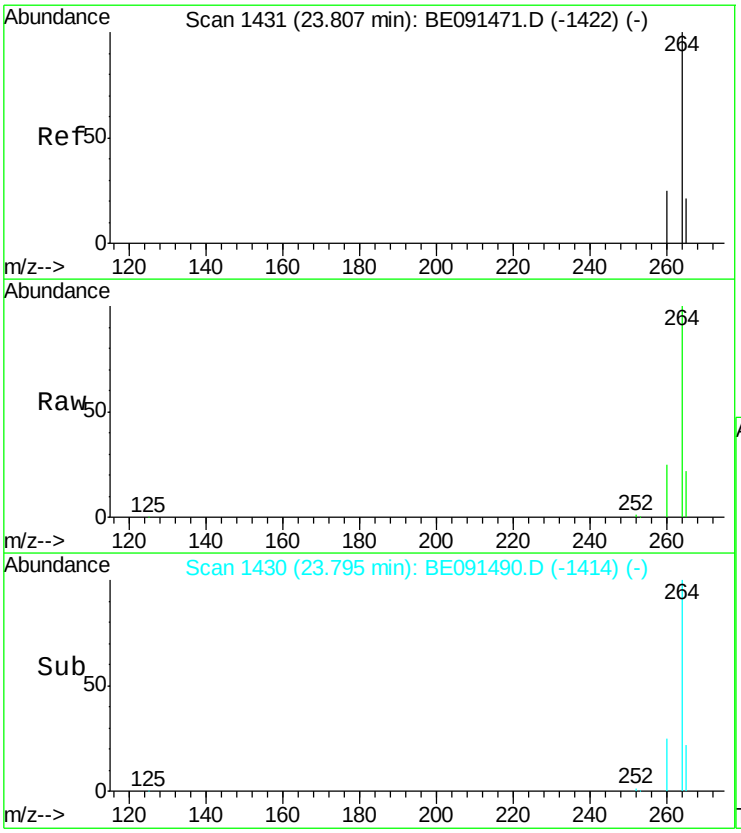
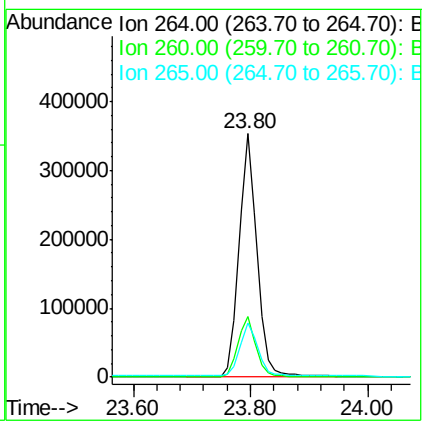
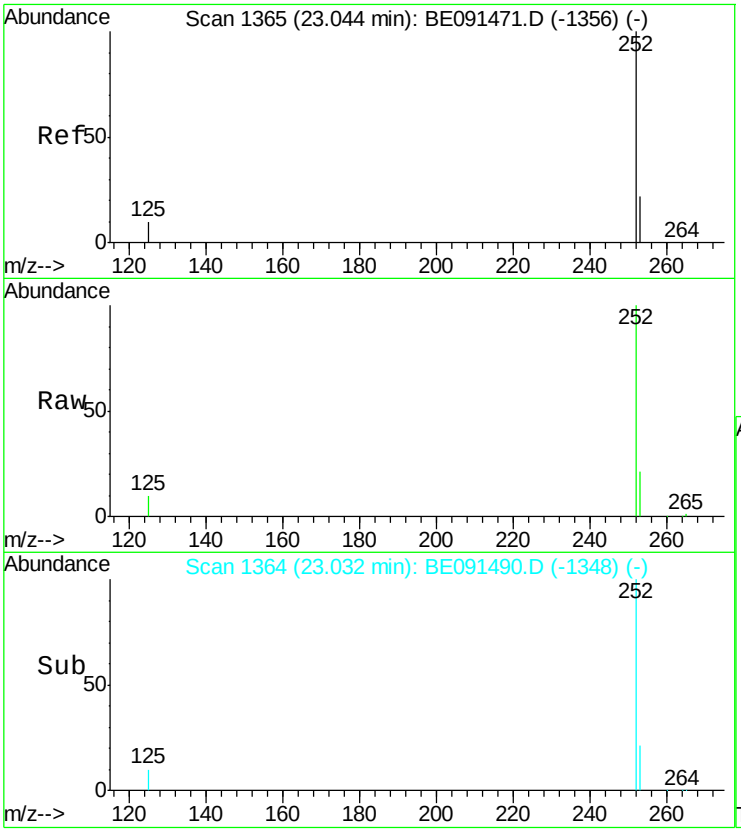


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:264 Resp: 752322

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	22.1	18.3	27.5

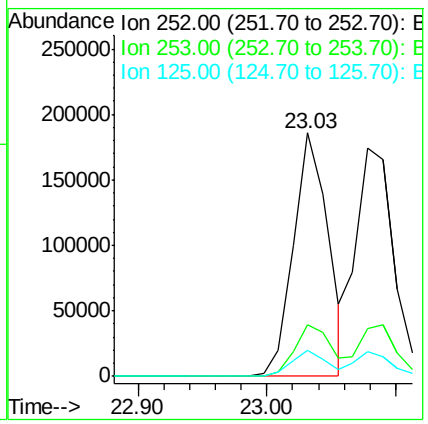




#29
Benzo(b)fluoranthene
Concen: 1.46 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:252 Resp: 346613

Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.7	28.1
125	10.5	9.8	14.6



Instrument :
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ClientSampleId :
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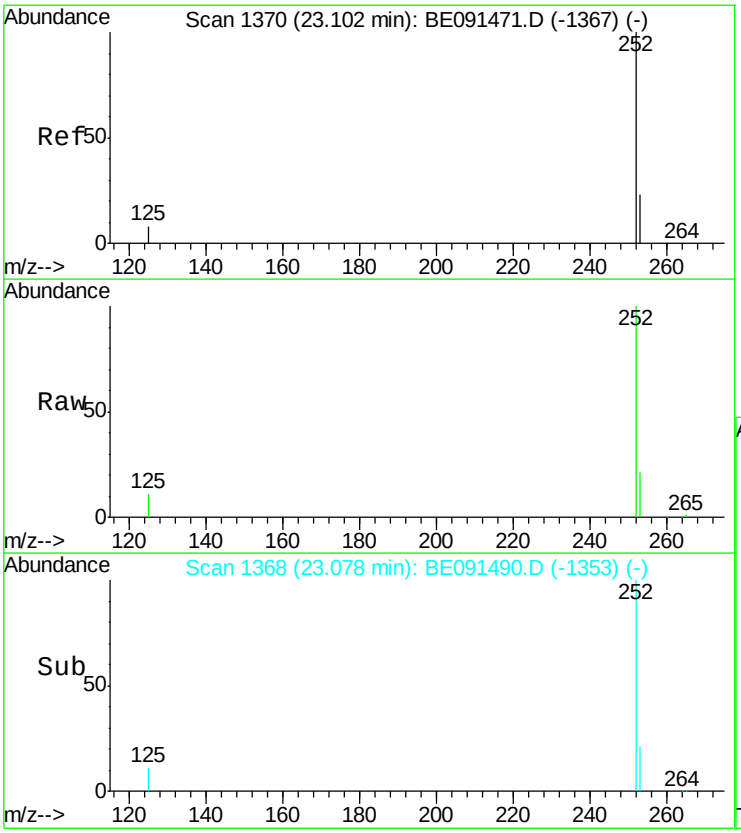
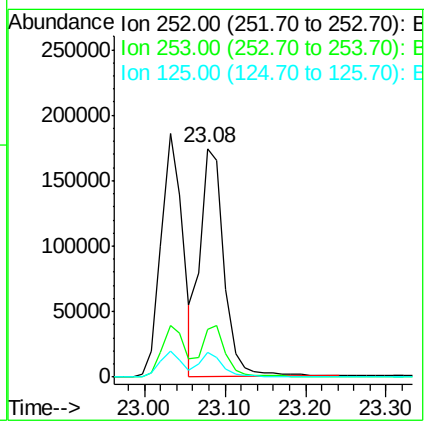
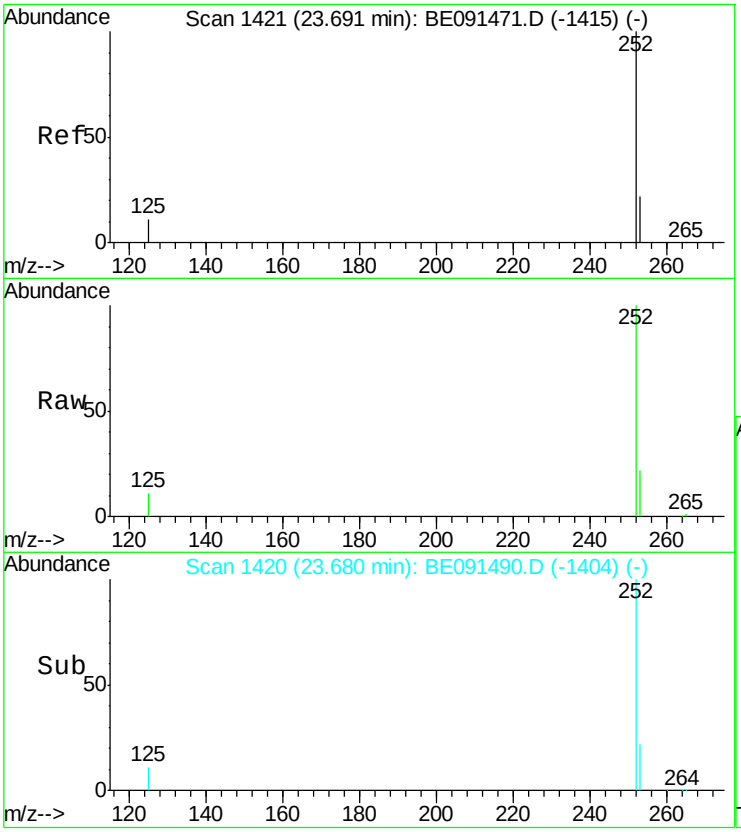


#30
Benzo(k)fluoranthene
Concen: 1.48 ng
RT: 23.08 min Scan# 1368
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:252 Resp: 359728

Ion	Ratio	Lower	Upper
252	100		
253	20.9	20.2	30.4
125	11.0	9.4	14.2





#31
Benzo(a)pyrene
Concen: 1.49 ng
RT: 23.68 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:252 Resp: 312326

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.4	29.0
125	11.2	11.4	17.2#

Instrument :
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ClientSampleId :
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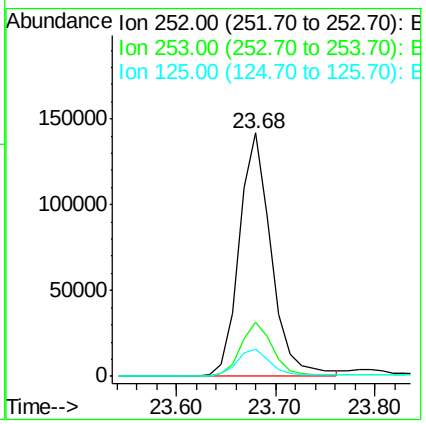
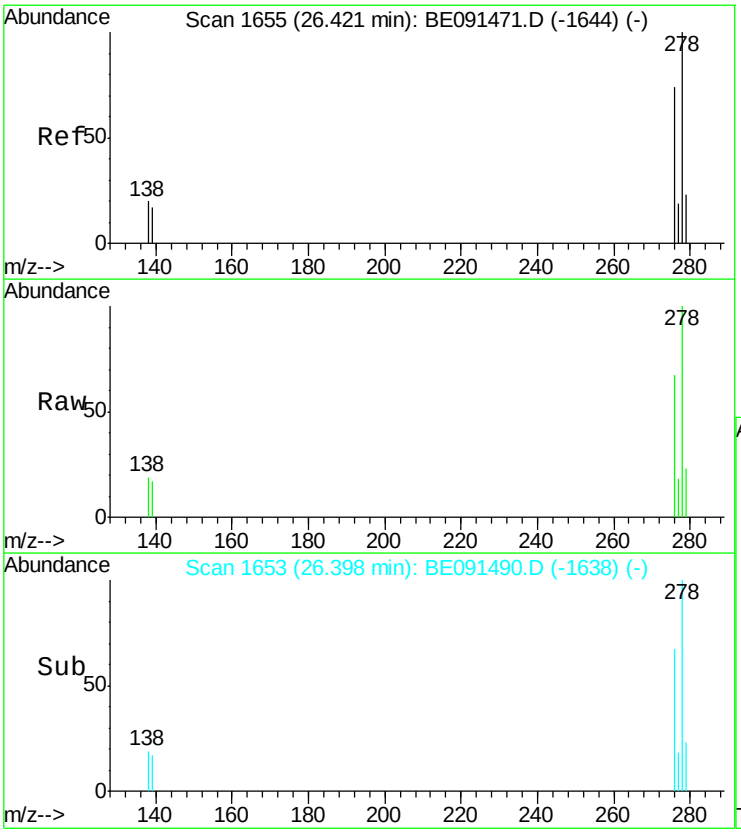
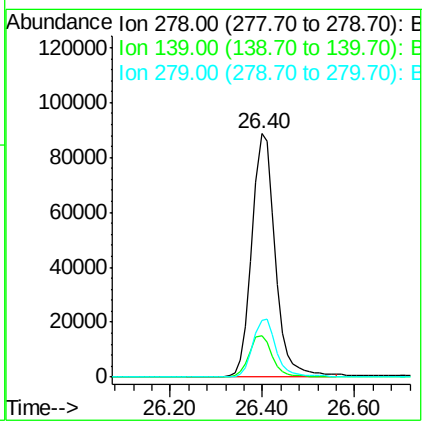


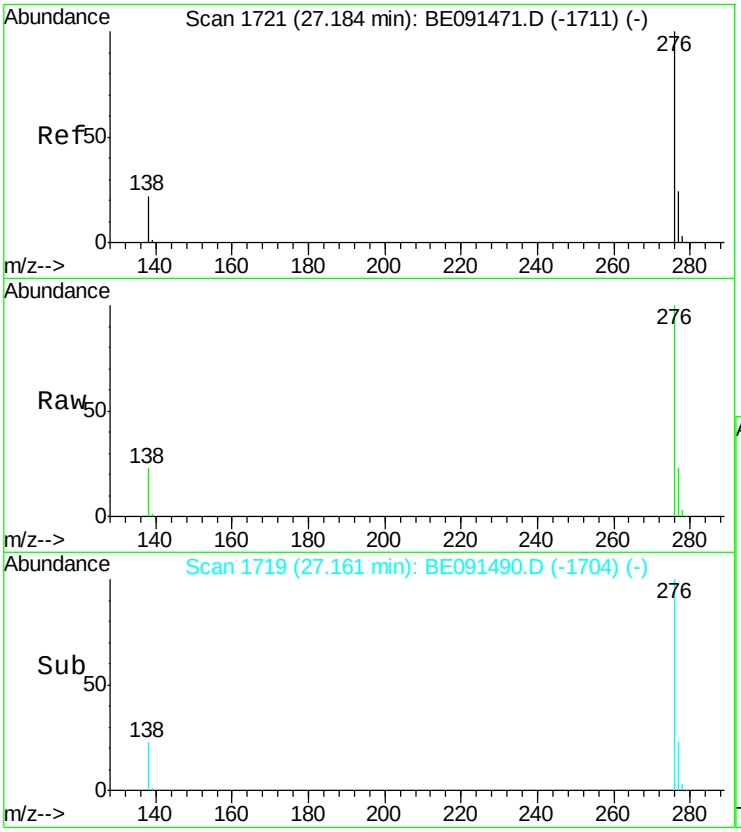


#32
Dibenzo(a,h)anthracene
Concen: 1.51 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:278 Resp: 312324

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.2	21.4
279	23.5	19.6	29.4

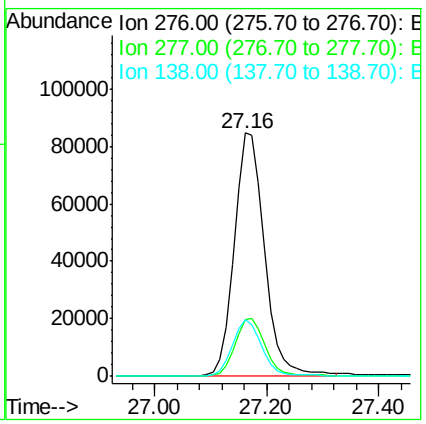




#33
Benzo(g,h,i)perylene
Concen: 1.49 ng
RT: 27.16 min Scan# 1719
Delta R.T. -0.02 min
Lab File: BE091490.D
Acq: 18 Mar 2016 19:42

Tgt Ion:276 Resp: 318891

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.2
138	23.1	18.2	27.4



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