Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE091491.D
Acq On : 18 Mar 2016 20:18
Operator : UM/SJ
Sample : PB88982BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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

Quant Time: Mar 19 00:22:23 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	97092	5.00	ng		0.00
6) Naphthalene-d8	10.61	136	456526	5.00	ng		0.00
10) Acenaphthene-d10	14.43	164	262589	5.00	ng		-0.01
16) Phenanthrene-d10	17.17	188	671195	5.00	ng		-0.01
22) Chrysene-d12	21.34	240	813924	5.00	ng		0.00
28) Perylene-d12	23.80	264	754288	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.43	112	85017	3.81	ng		0.00
5) Phenol-d6	6.99	99	119311	4.10	ng		0.00
7) Nitrobenzene-d5	8.98	82	47387	2.03	ng		0.00
11) 2,4,6-Tribromophenol	15.92	330	30111m	3.26	ng		-0.01
12) 2-Fluorobiphenyl	13.07	172	155601	2.35	ng		0.00
24) Terphenyl-d14	19.78	244	231961	2.37	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	21645	1.79	ng		94
3) n-Nitrosodimethylamine	3.66	42	28250	1.64	ng	#	91
8) Naphthalene	10.65	128	177492	1.59	ng		96
9) 2-Methylnaphthalene	12.26	142	122807	1.71	ng		97
13) Acenaphthylene	14.15	152	195057	1.56	ng		96
14) Acenaphthene	14.50	154	132025	1.63	ng		97
15) Fluorene	15.48	166	161463	1.58	ng		100
17) Hexachlorobenzene	16.48	284	45104	1.54	ng		98
18) Pentachlorophenol	16.81	266	40659	2.76	ng		89
19) Phenanthrene	17.22	178	287479	1.50	ng		99
20) Anthracene	17.30	178	260683	1.55	ng		99
21) Fluoranthene	19.22	202	304919	1.39	ng		97
23) Pyrene	19.57	202	343918	1.70	ng		99
25) Benzo(a)anthracene	21.31	228	378696m	1.69	ng		
26) Chrysene	21.36	228	378766m	1.82	ng		
27) Indeno(1,2,3-cd)pyrene	26.37	276	388896	1.67	ng		99
29) Benzo(b)fluoranthene	23.03	252	366747	1.54	ng		97
30) Benzo(k)fluoranthene	23.08	252	370935	1.52	ng		93
31) Benzo(a)pyrene	23.68	252	332496	1.58	ng	#	95
32) Dibenzo(a,h)anthracene	26.40	278	329411	1.59	ng		98
33) Benzo(g,h,i)perylene	27.16	276	336334	1.56	ng		99

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

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Manual Integrations APPROVED
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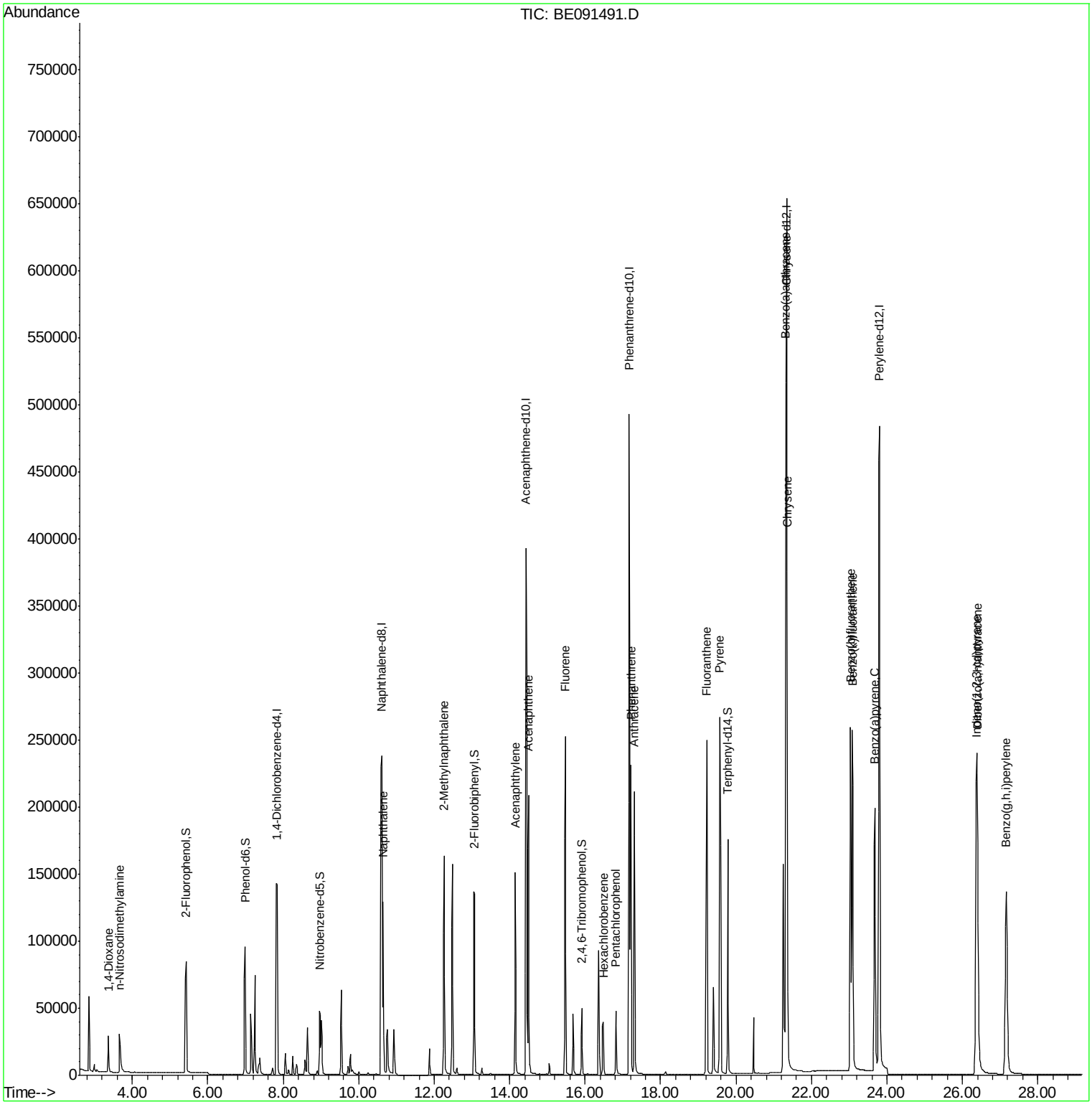
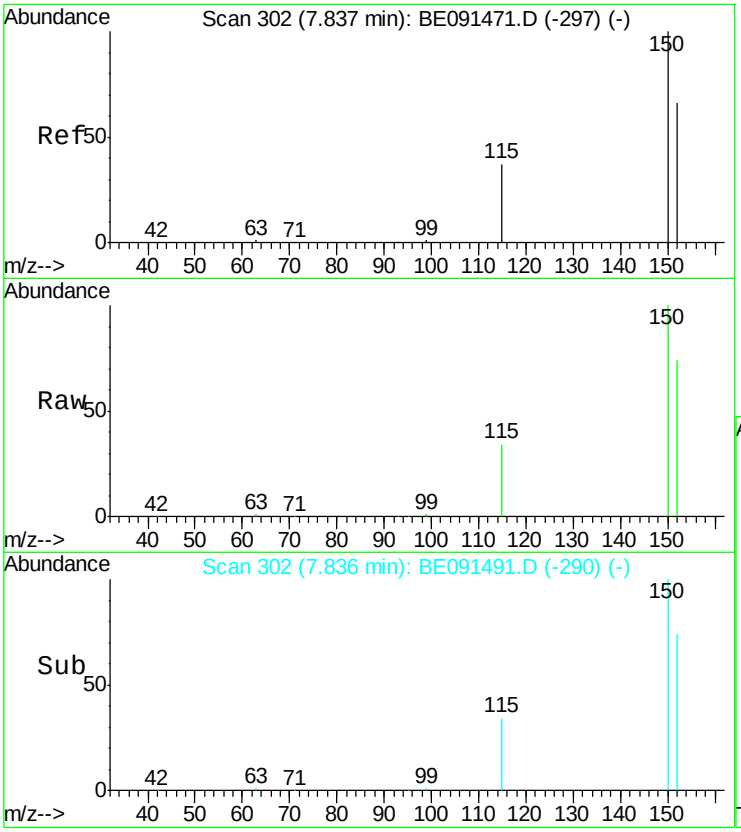
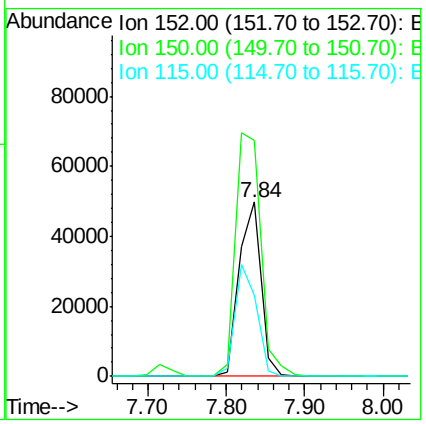




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:152 Resp: 97092

Ion	Ratio	Lower	Upper
152	100		
150	135.5	122.2	183.2
115	46.6	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
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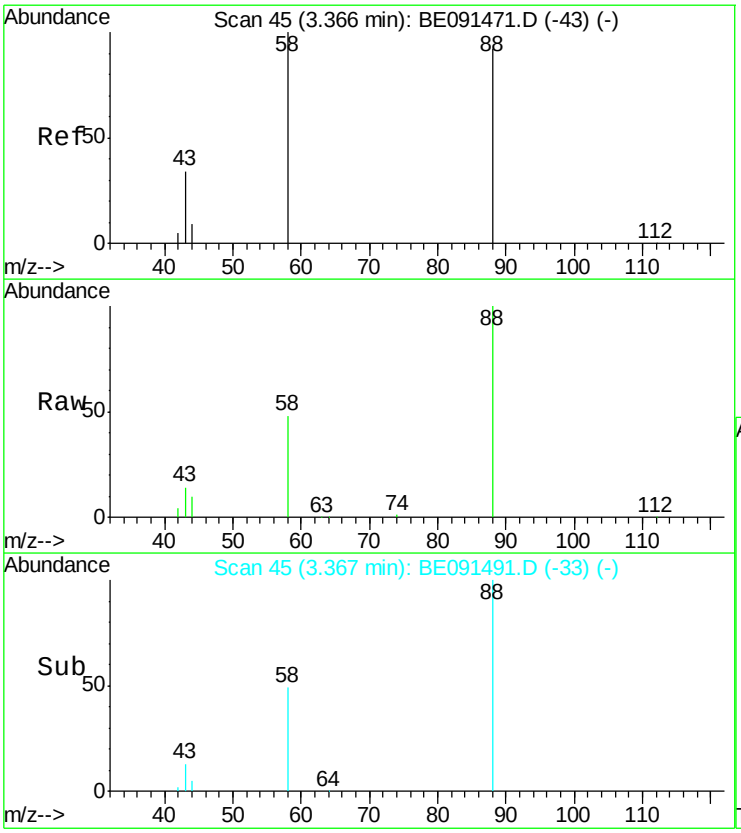
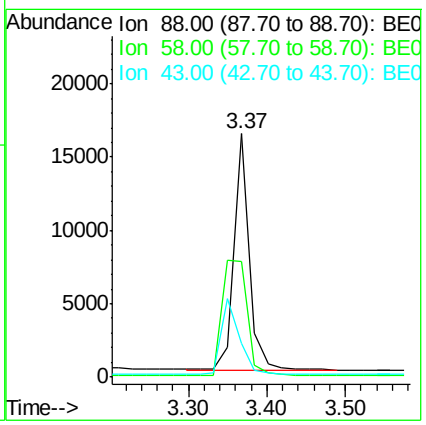
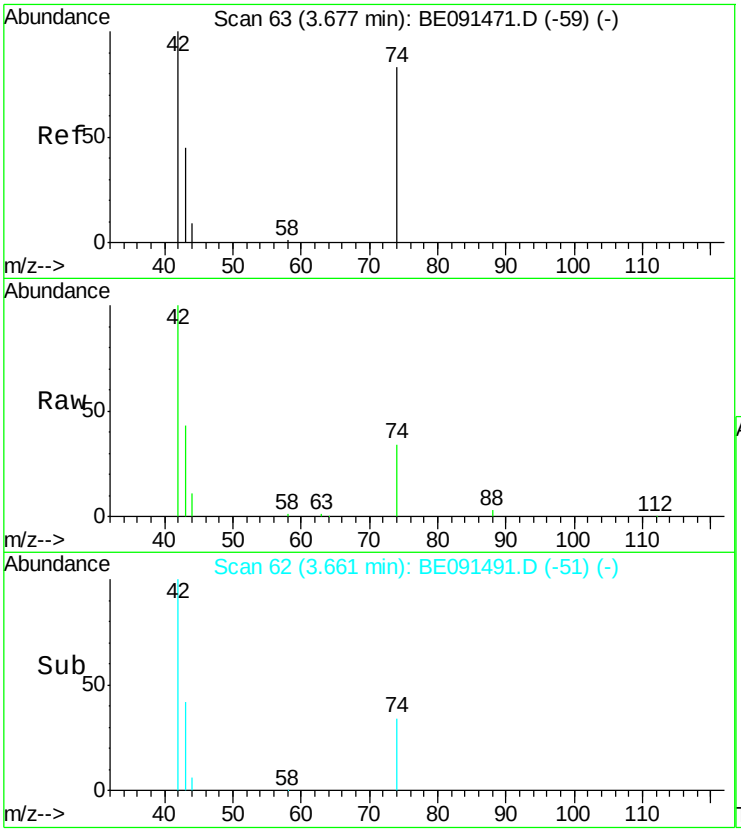


#2
1,4-Dioxane
Concen: 1.79 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion: 88 Resp: 21645

Ion	Ratio	Lower	Upper
88	100		
58	80.9	61.0	91.6
43	36.6	25.4	38.2

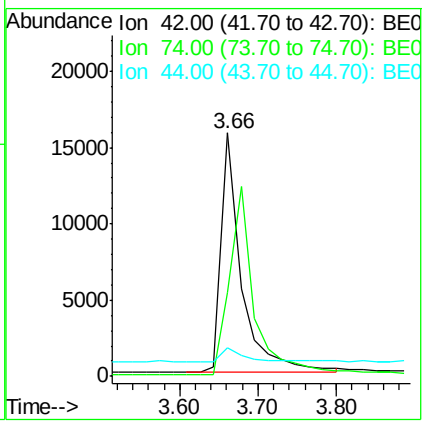




#3
n-Nitrosodimethylamine
Concen: 1.64 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion: 42 Resp: 28250

Ion	Ratio	Lower	Upper
42	100		
74	96.0	84.3	126.5
44	6.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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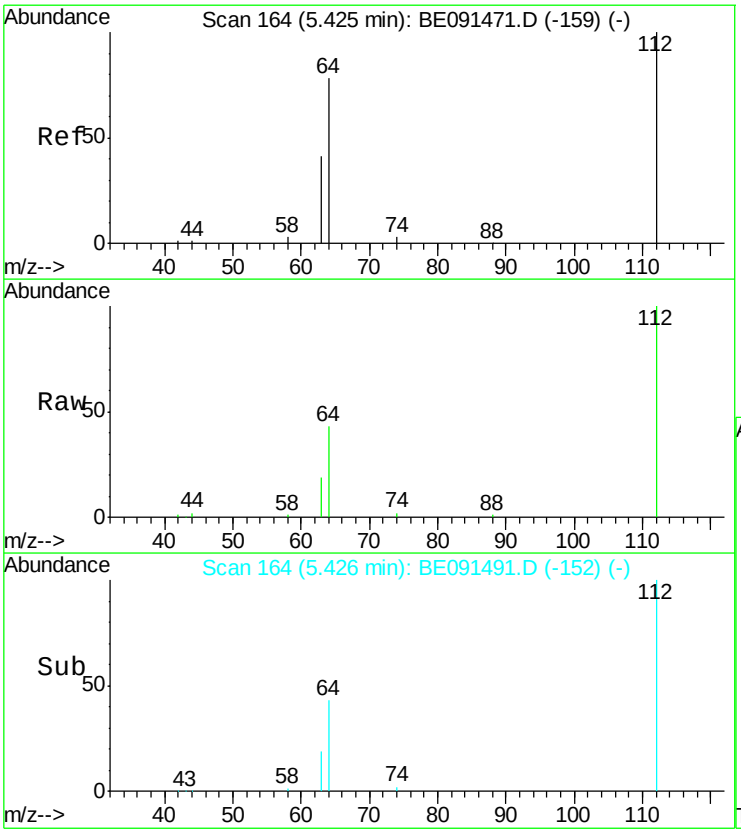
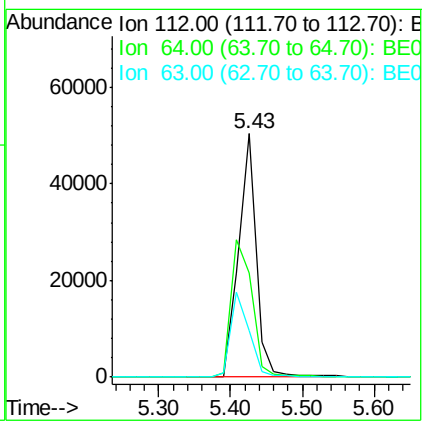
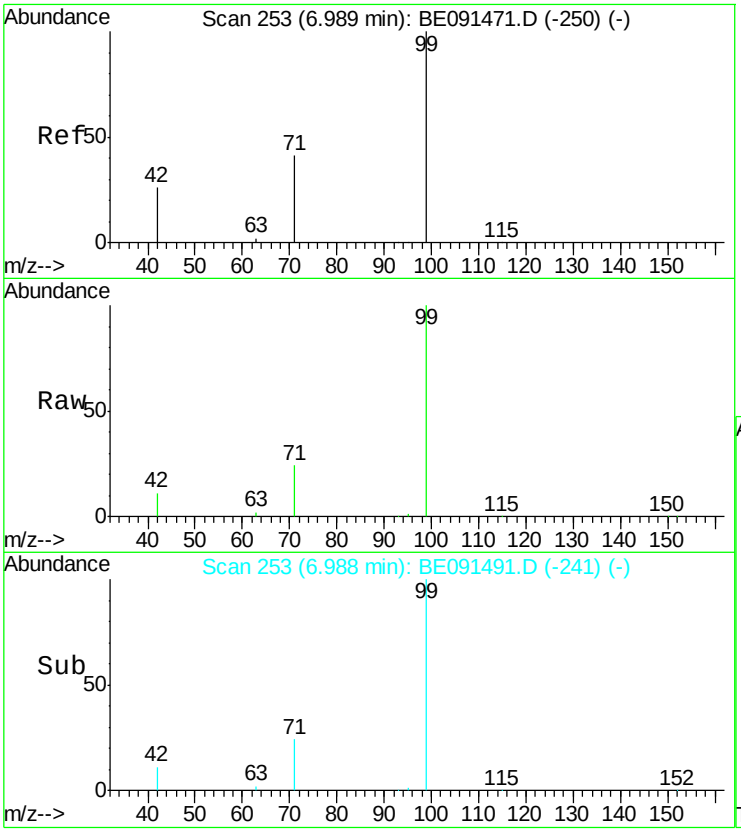


#4
2-Fluorophenol
Concen: 3.81 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:112 Resp: 85017

Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.3	79.9
63	36.2	29.8	44.8

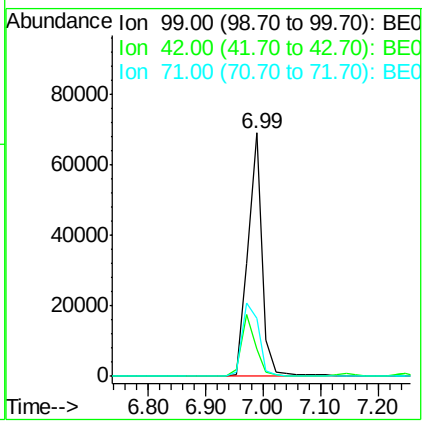




#5
Phenol-d6
Concen: 4.10 ng
RT: 6.99 min Scan# 253
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion: 99 Resp: 119311

Ion	Ratio	Lower	Upper
99	100		
42	25.0	20.6	30.8
71	35.1	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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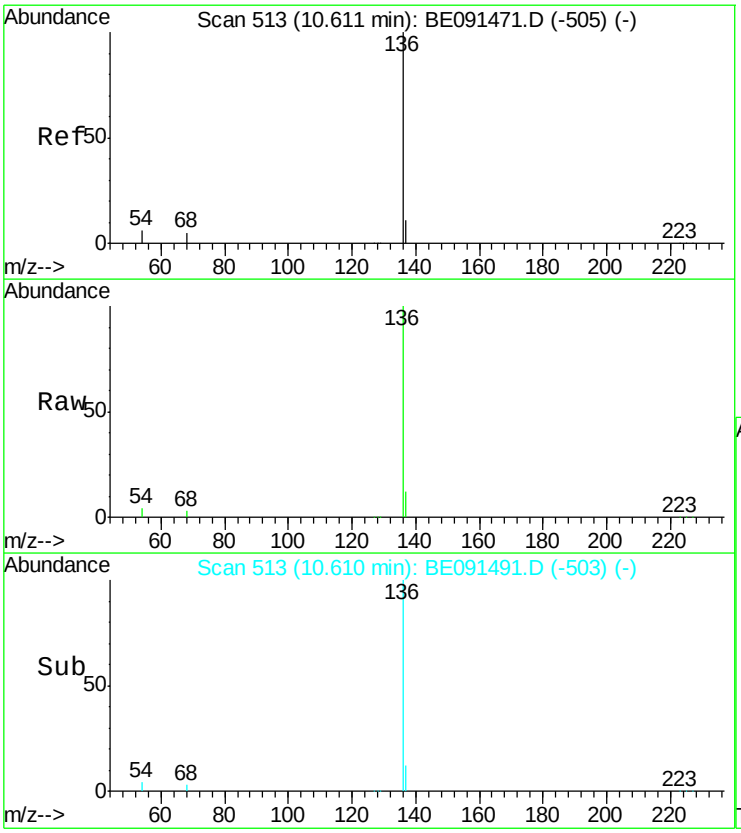
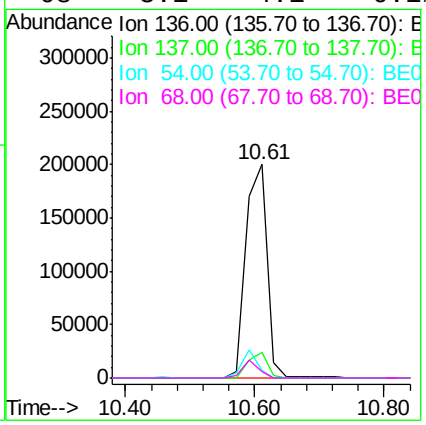
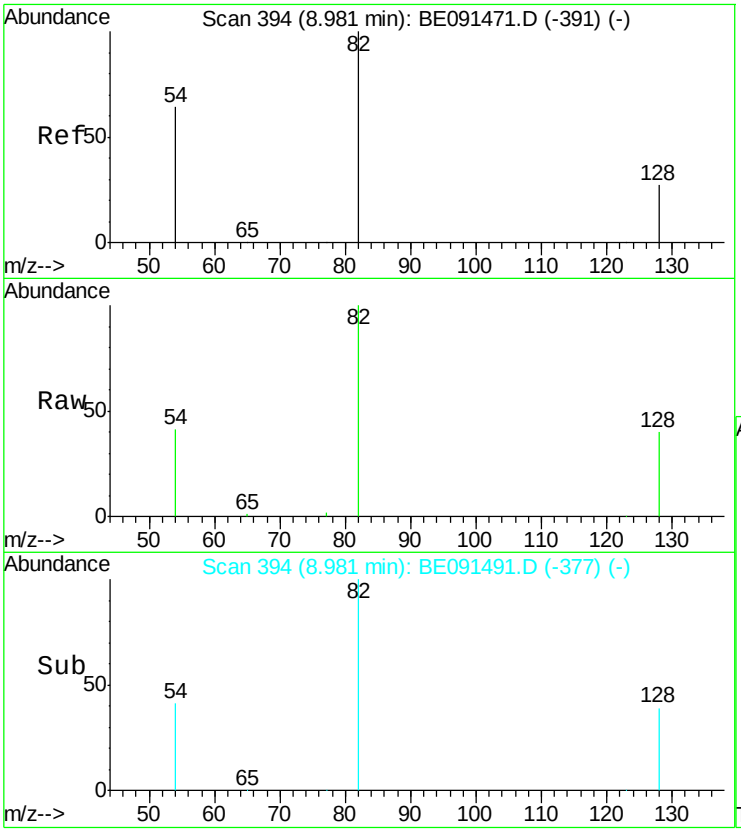


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:136 Resp: 456526

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	3.6	5.2	7.8#
68	3.1	4.1	6.1#

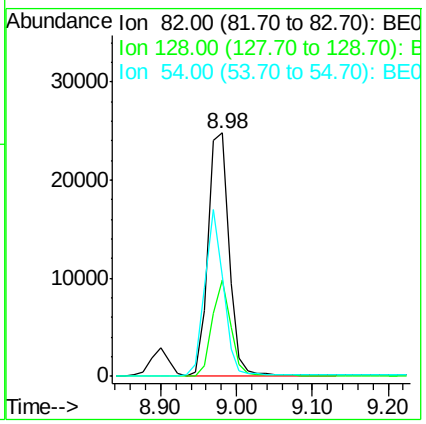




#7
Nitrobenzene-d5
Concen: 2.03 ng
RT: 8.98 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion: 82 Resp: 47387

Ion	Ratio	Lower	Upper
82	100		
128	39.5	23.5	35.3#
54	41.0	52.4	78.6#



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

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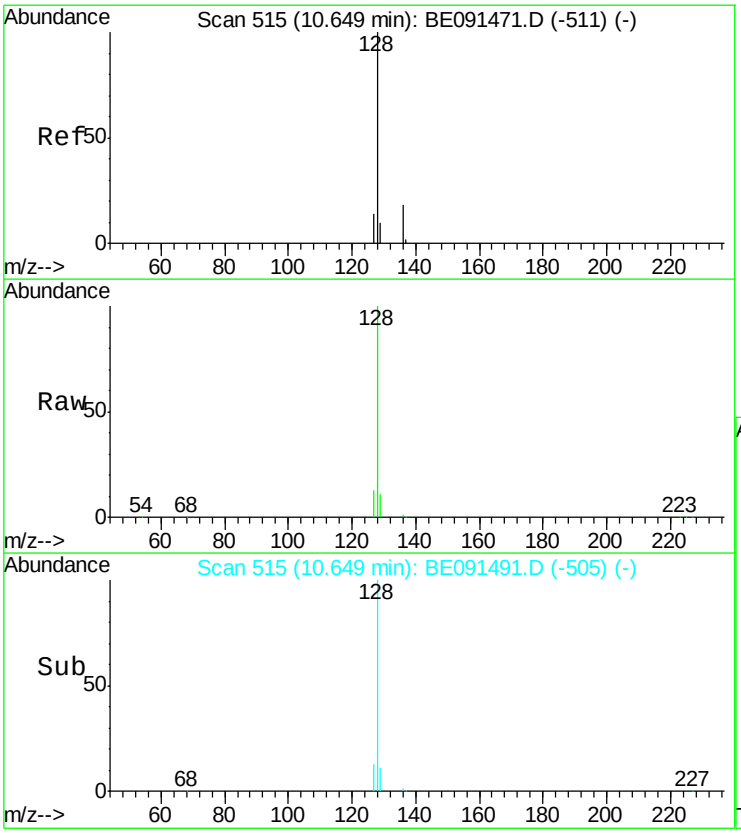
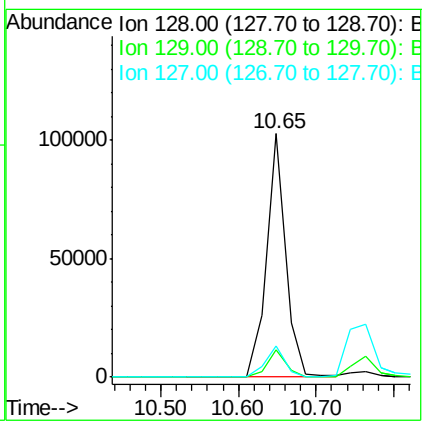
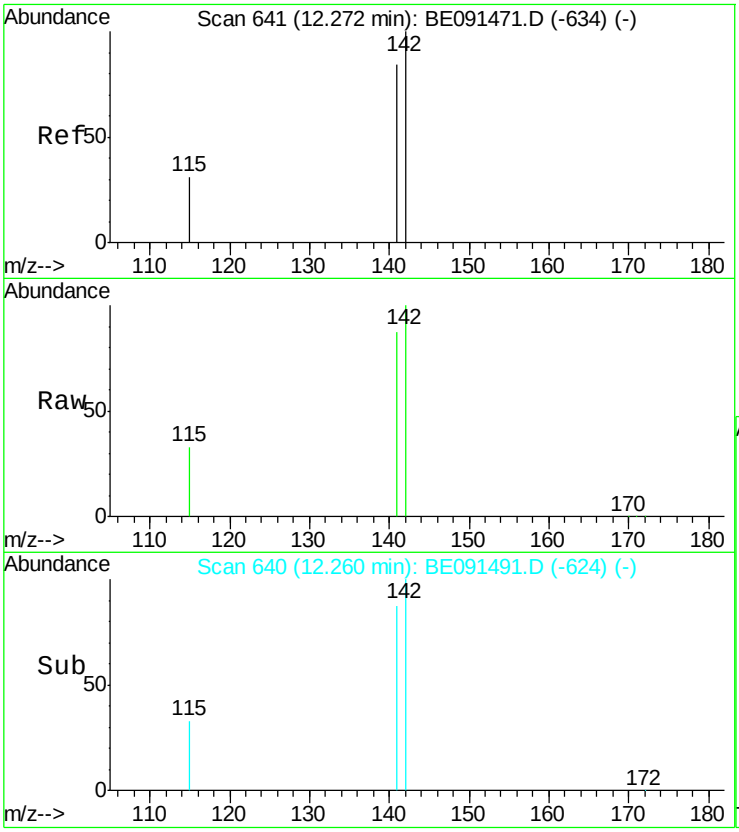


#8
Naphthalene
Concen: 1.59 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:128 Resp: 177492

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.2	12.2
127	12.8	11.8	17.8

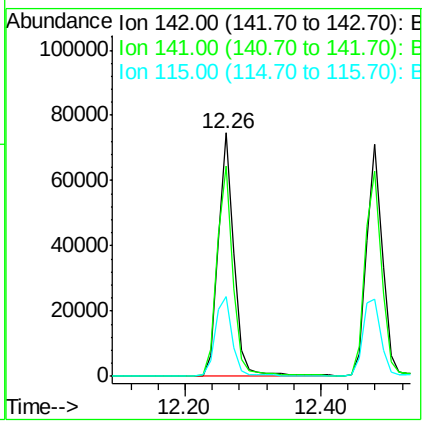




#9
2-Methylnaphthalene
Concen: 1.71 ng
RT: 12.26 min Scan# 640
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:142 Resp: 122807

Ion	Ratio	Lower	Upper
142	100		
141	86.6	66.9	100.3
115	33.0	25.1	37.7



Instrument :
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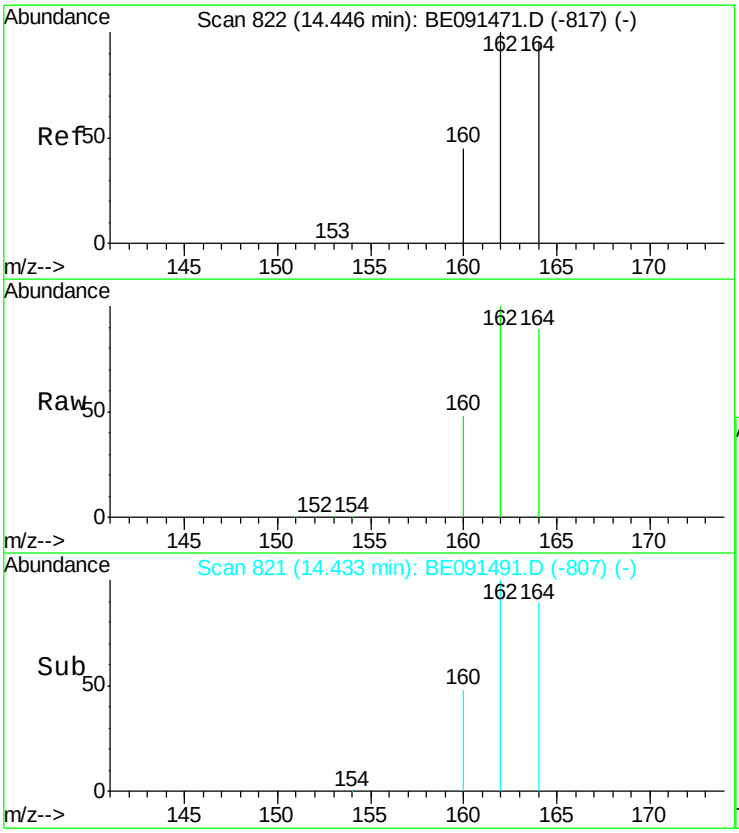
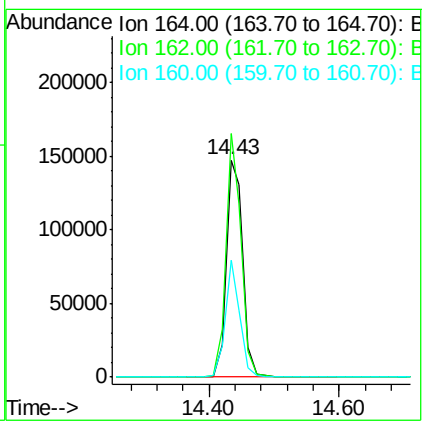
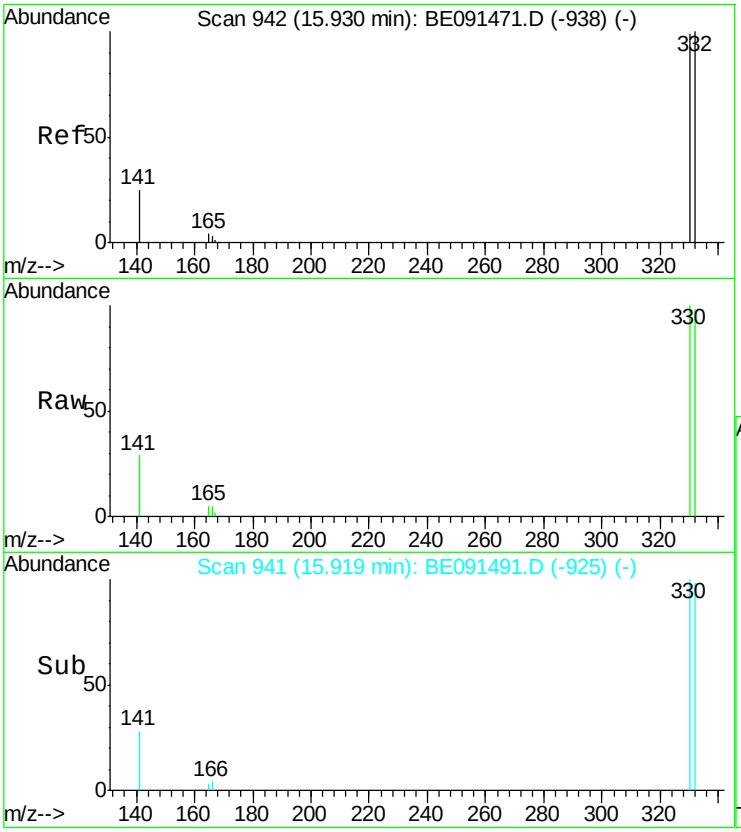


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.43 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:164 Resp: 262589

Ion	Ratio	Lower	Upper
164	100		
162	112.1	84.4	126.6
160	53.7	37.7	56.5

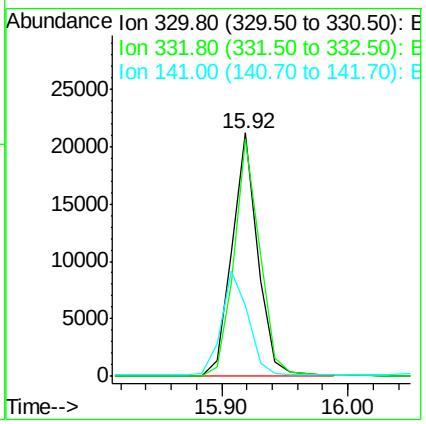




#11
2,4,6-Tribromophenol
Concen: 3.26 ng m
RT: 15.92 min Scan# 941
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:330 Resp: 30111

Ion	Ratio	Lower	Upper
330	100		
332	112.0	79.2	118.8
141	45.2	28.1	42.1#



Instrument :
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ClientSampleId :
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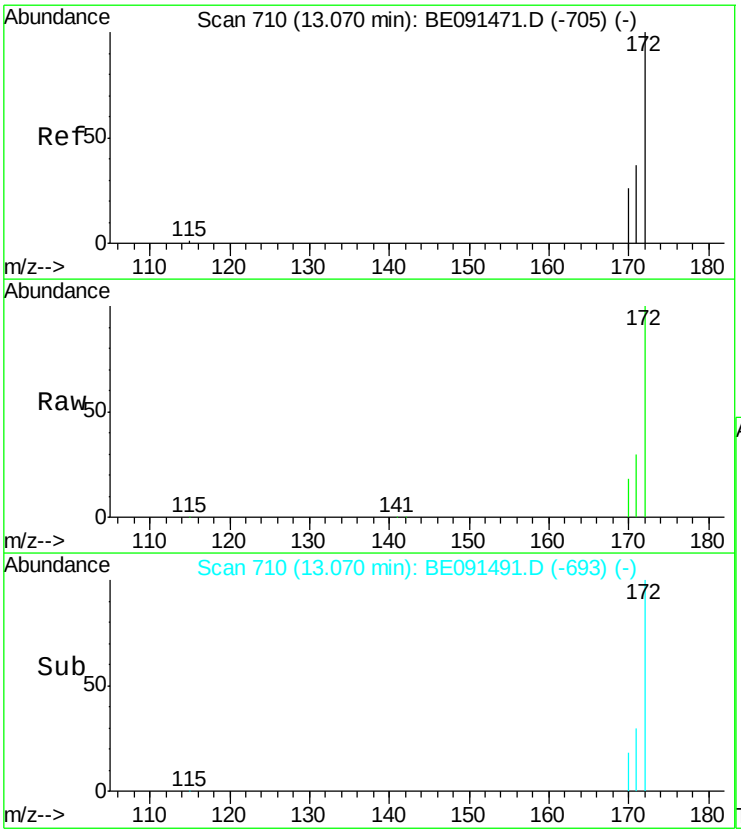
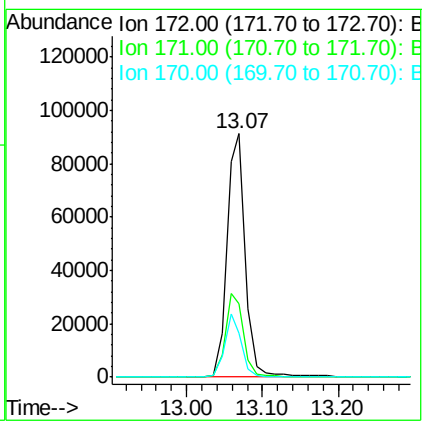
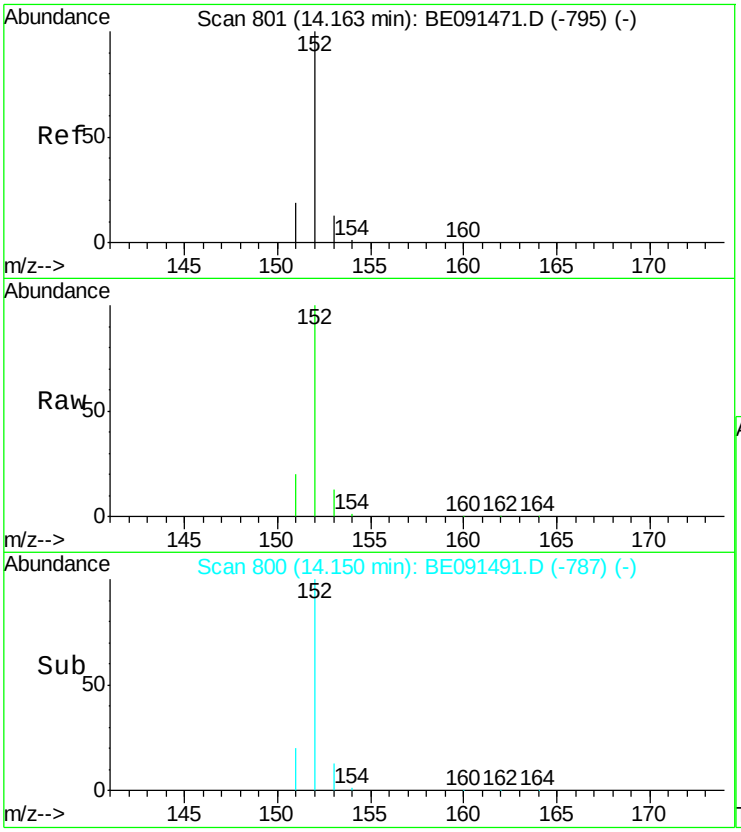


#12
2-Fluorobiphenyl
Concen: 2.35 ng
RT: 13.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:172 Resp: 155601

Ion	Ratio	Lower	Upper
172	100		
171	30.2	29.8	44.8
170	18.1	21.4	32.2#

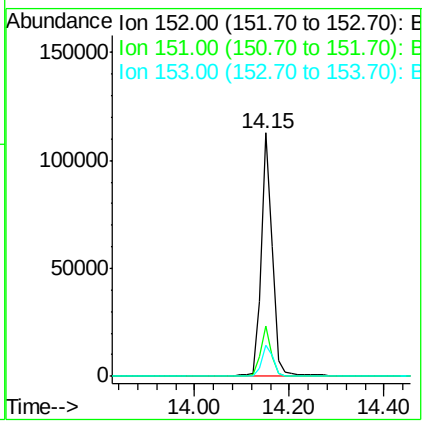




#13
Acenaphthylene
Concen: 1.56 ng
RT: 14.15 min Scan# 800
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:152 Resp: 195057

Ion	Ratio	Lower	Upper
152	100		
151	18.3	16.3	24.5
153	12.2	11.1	16.7



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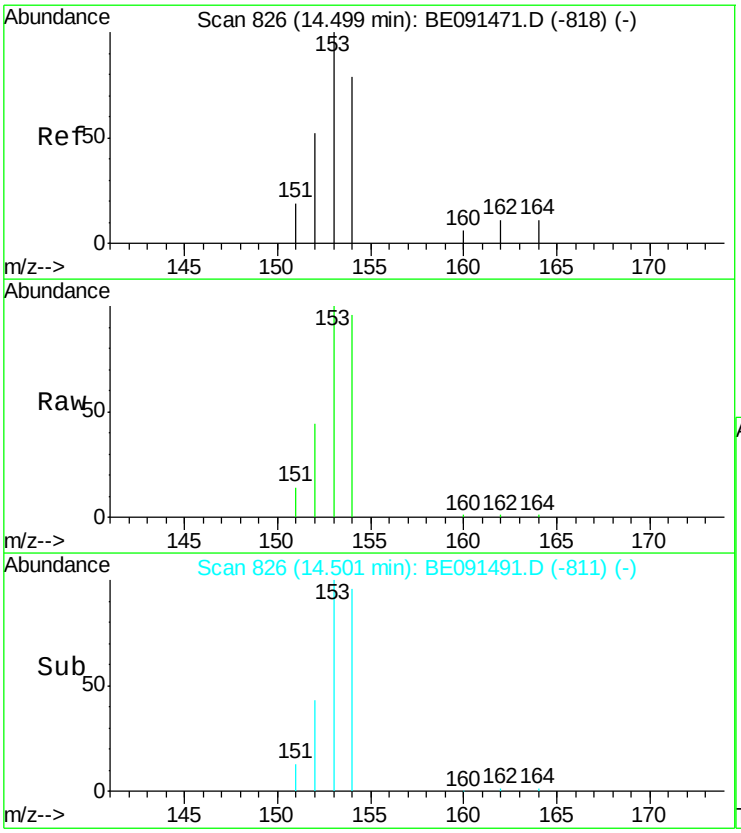
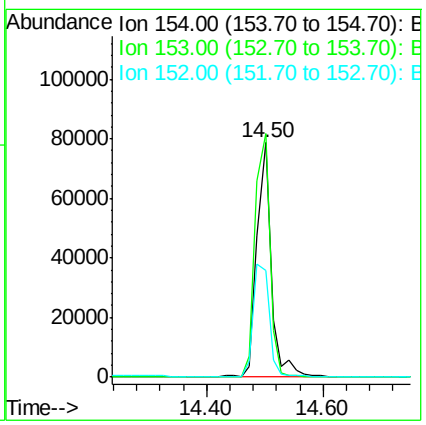
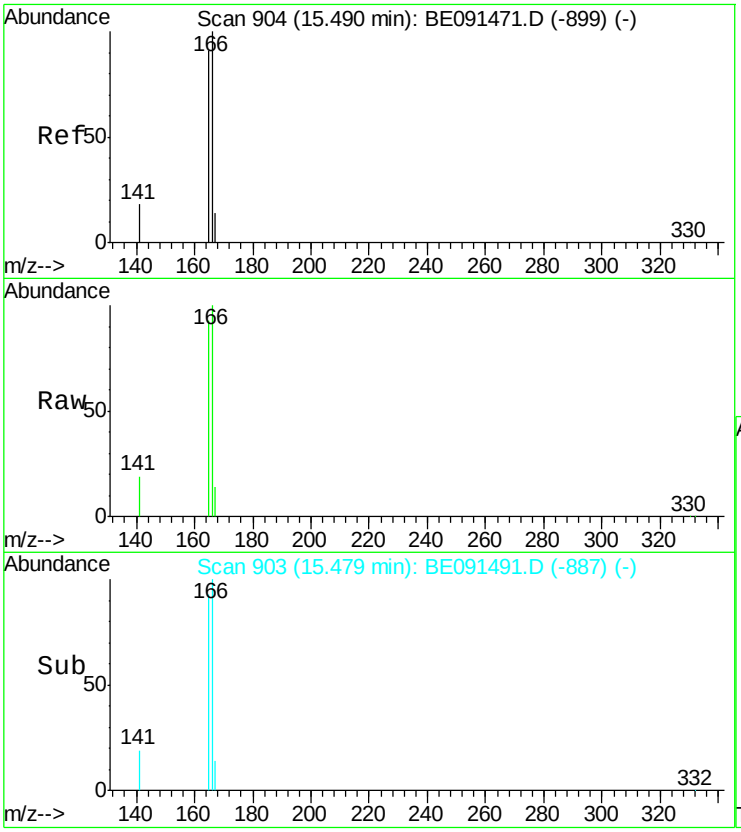


#14
Acenaphthene
Concen: 1.63 ng
RT: 14.50 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:154 Resp: 132025

Ion	Ratio	Lower	Upper
154	100		
153	105.8	87.3	130.9
152	52.5	42.9	64.3

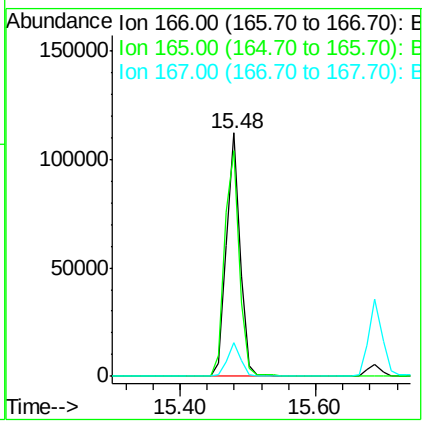




#15
Fluorene
Concen: 1.58 ng
RT: 15.48 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:166 Resp: 161463

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.2	118.8
167	13.5	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
PB88982BSD

Manual Integrations APPROVED
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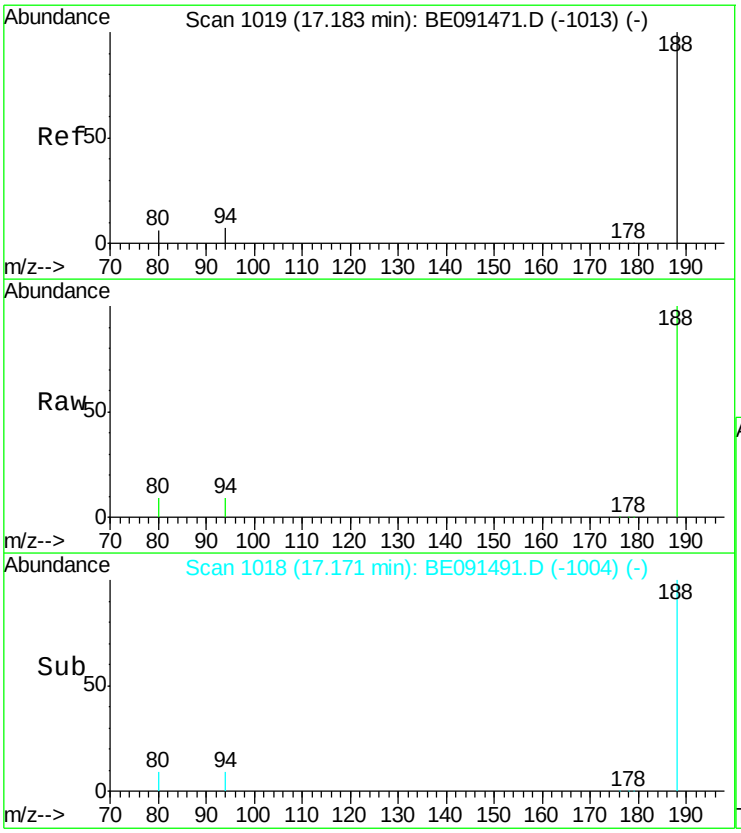
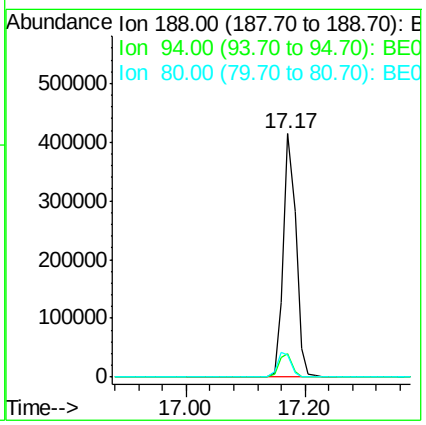
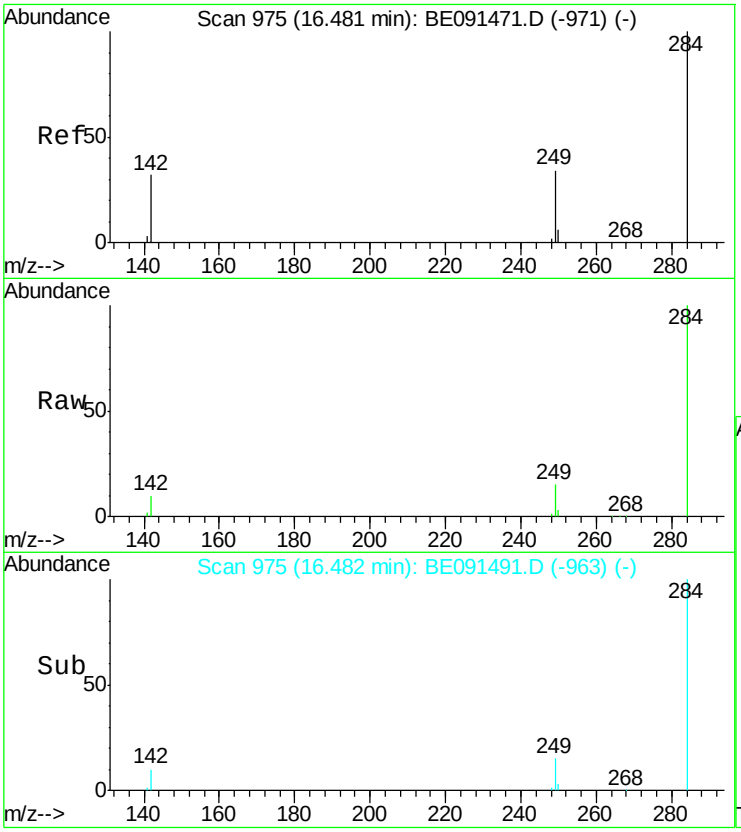


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:188 Resp: 671195

Ion	Ratio	Lower	Upper
188	100		
94	9.5	5.4	8.2#
80	9.3	5.0	7.4#

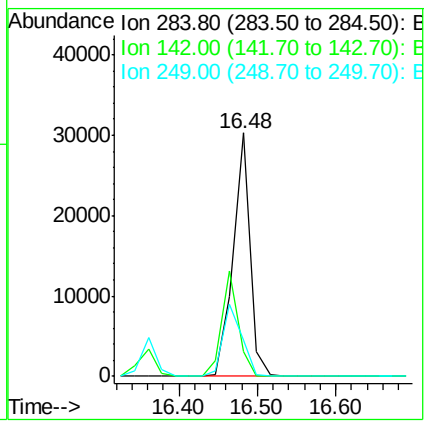




#17
Hexachlorobenzene
Concen: 1.54 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:284 Resp: 45104

Ion	Ratio	Lower	Upper
284	100		
142	41.2	31.0	46.4
249	32.3	25.8	38.8



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ClientSampleId :
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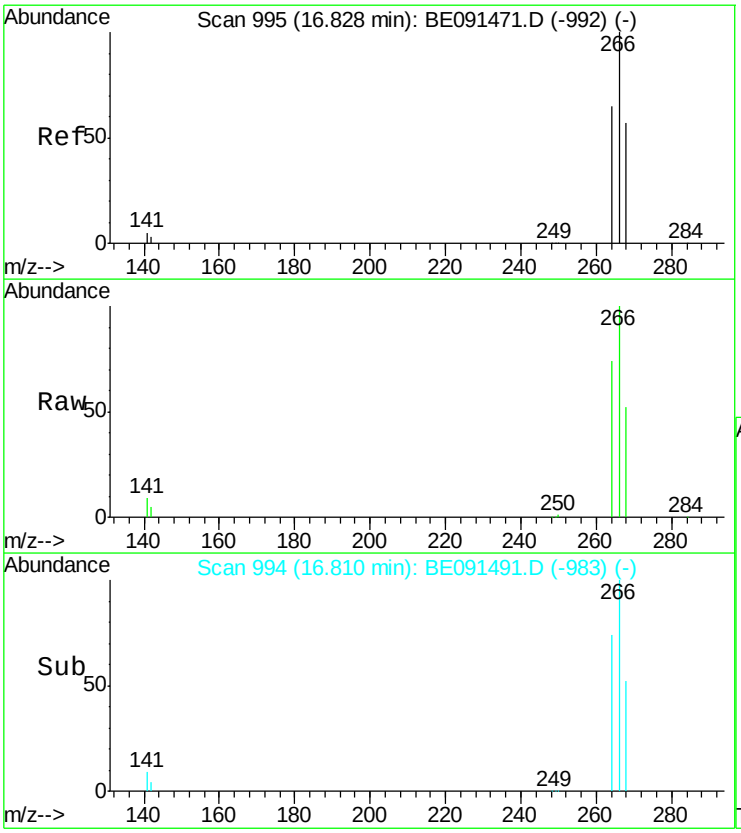
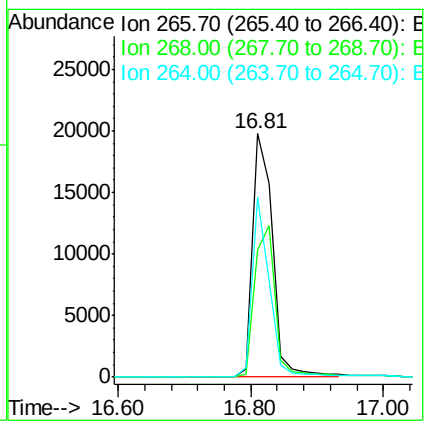
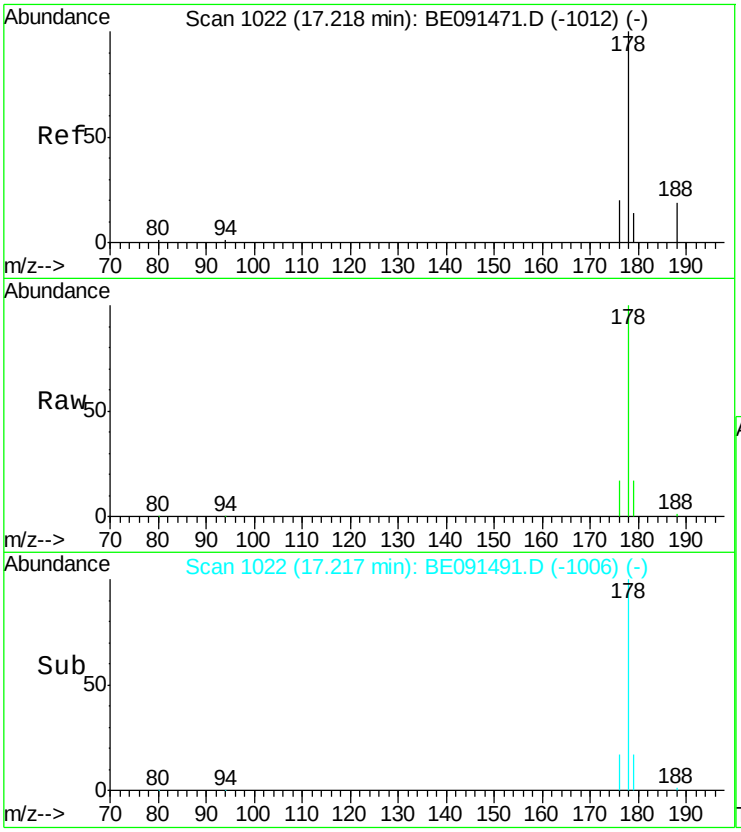


#18
Pentachlorophenol
Concen: 2.76 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:266 Resp: 40659

Ion	Ratio	Lower	Upper
266	100		
268	52.1	48.2	72.2
264	74.0	52.1	78.1

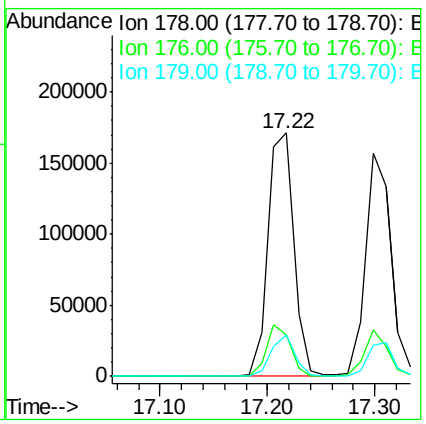




#19
Phenanthrene
Concen: 1.50 ng
RT: 17.22 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:178 Resp: 287479

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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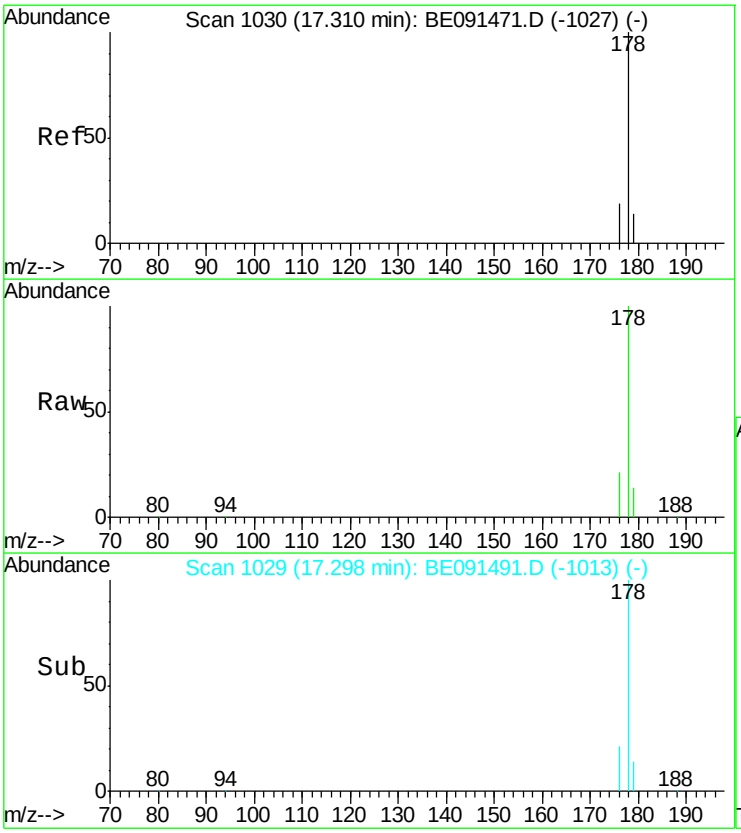
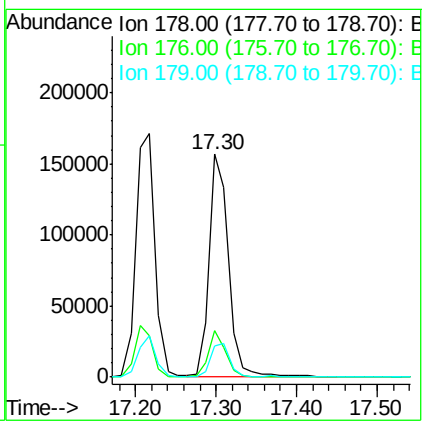
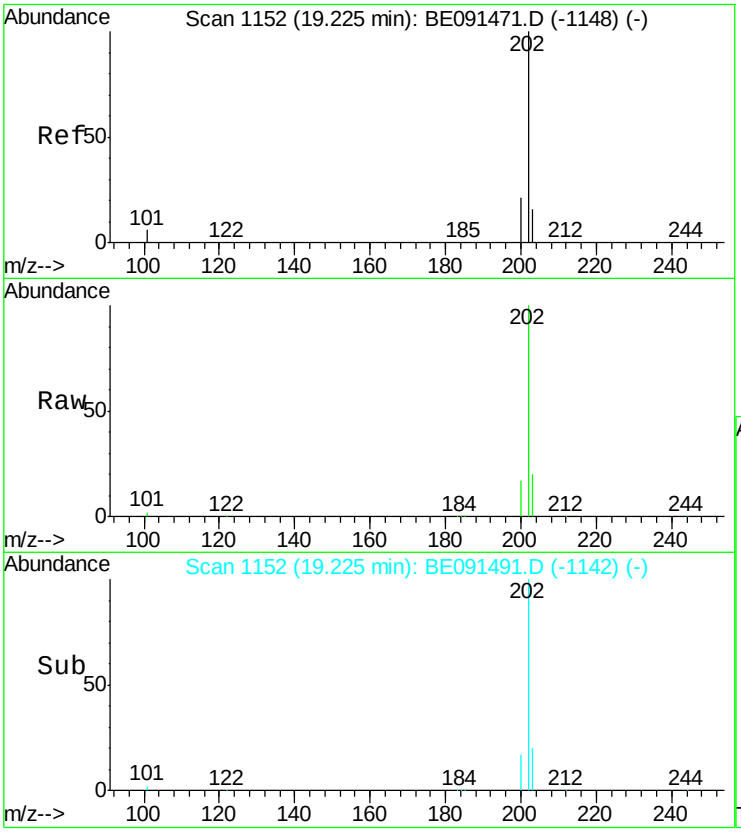


#20
Anthracene
Concen: 1.55 ng
RT: 17.30 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:178 Resp: 260683

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.6	12.2	18.4





#21
Fluoranthene
Concen: 1.39 ng
RT: 19.22 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:202 Resp: 304919

Ion	Ratio	Lower	Upper
202	100		
101	12.0	8.3	12.5
203	18.3	13.9	20.9

Instrument :
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ClientSampleId :
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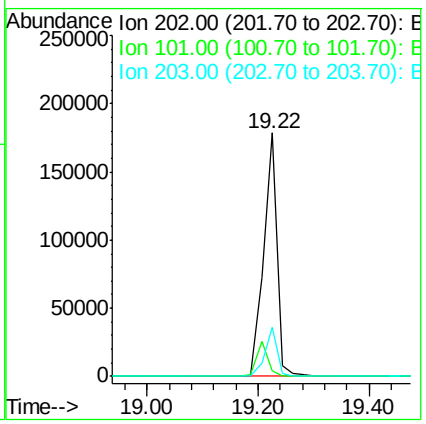
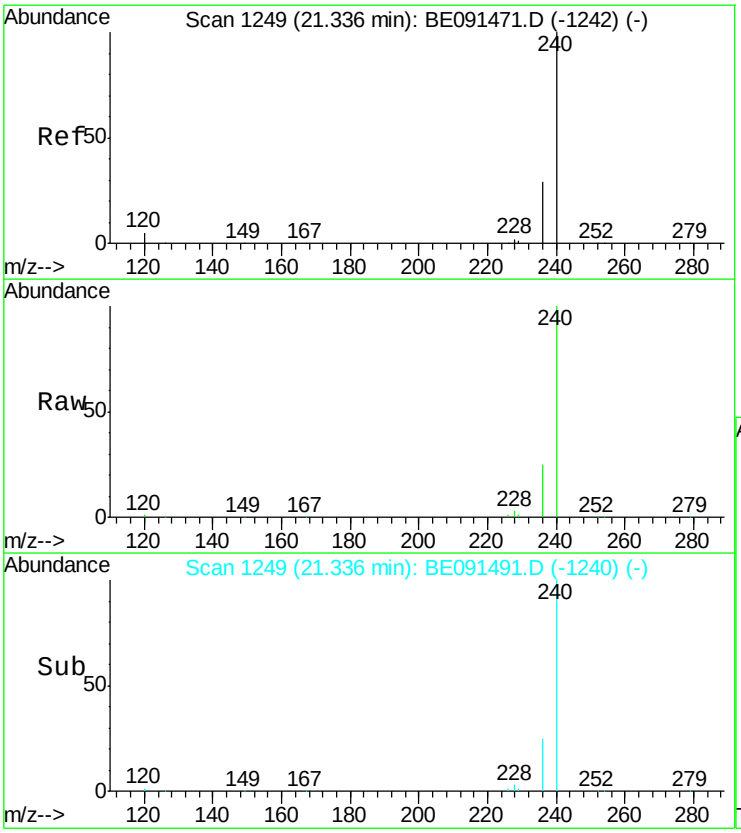
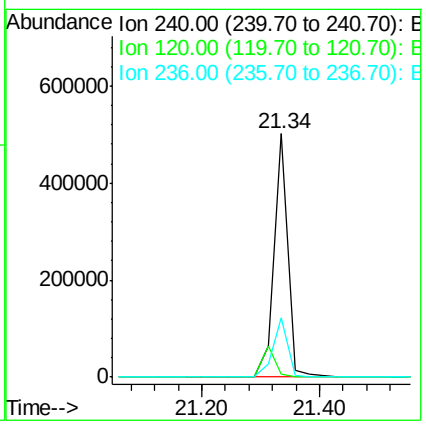


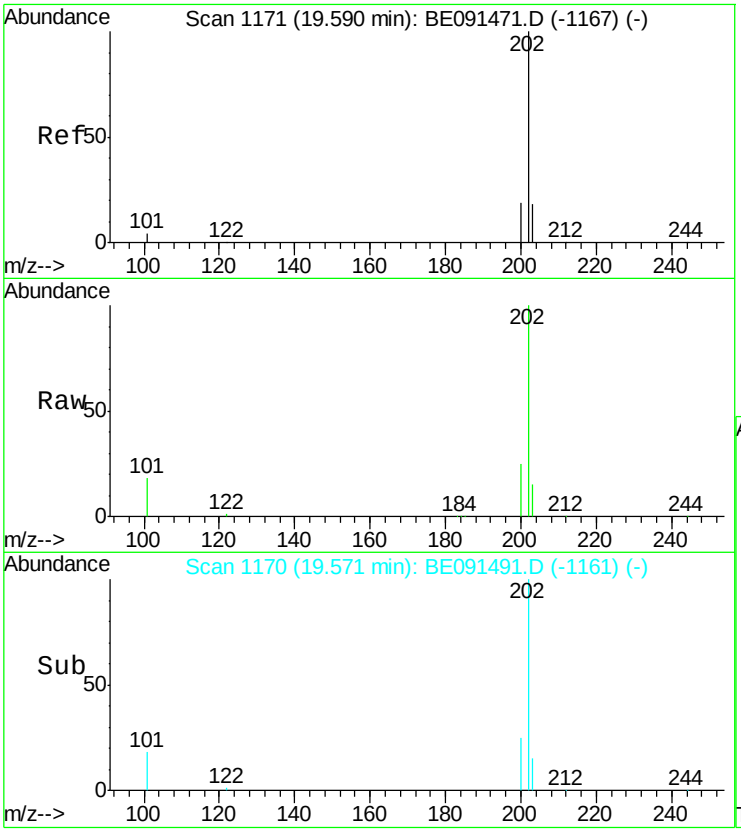


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:240 Resp: 813924

Ion	Ratio	Lower	Upper
240	100		
120	1.4	4.0	6.0#
236	24.6	23.0	34.4





#23
Pyrene
Concen: 1.70 ng
RT: 19.57 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:202 Resp: 343918

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.4	24.6
203	18.1	14.6	21.8

Instrument :
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ClientSampleId :
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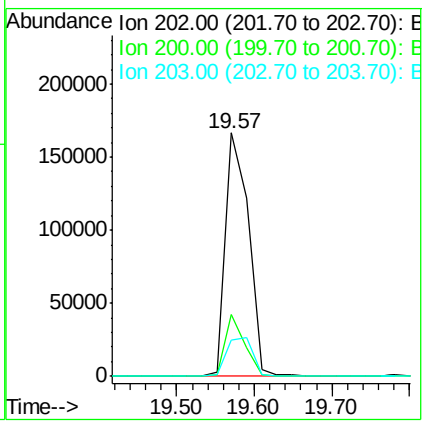
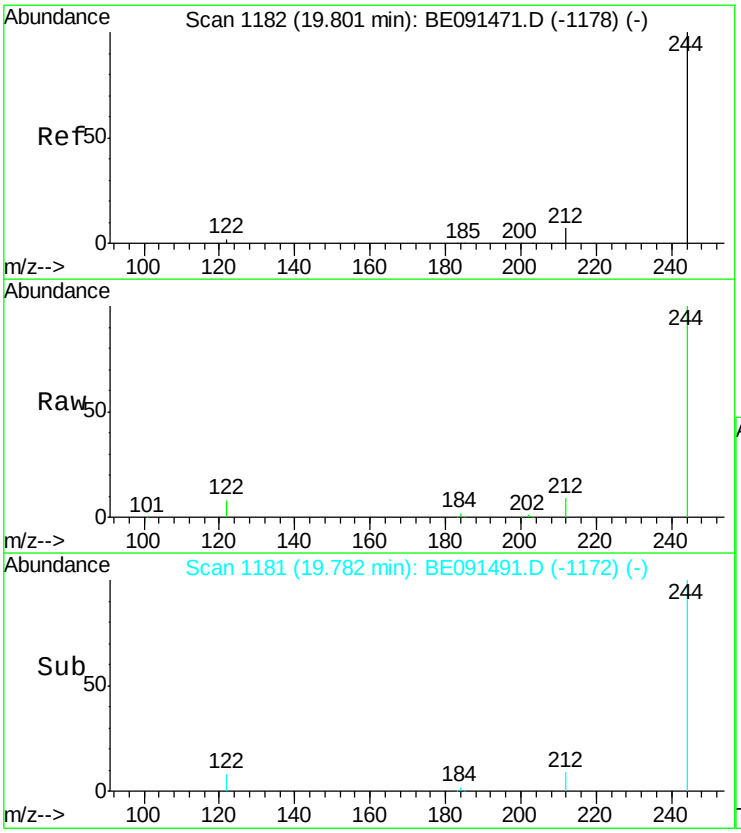
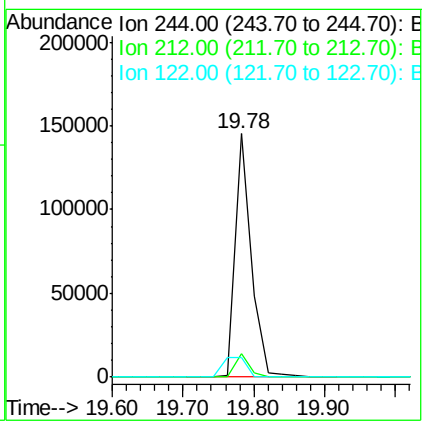


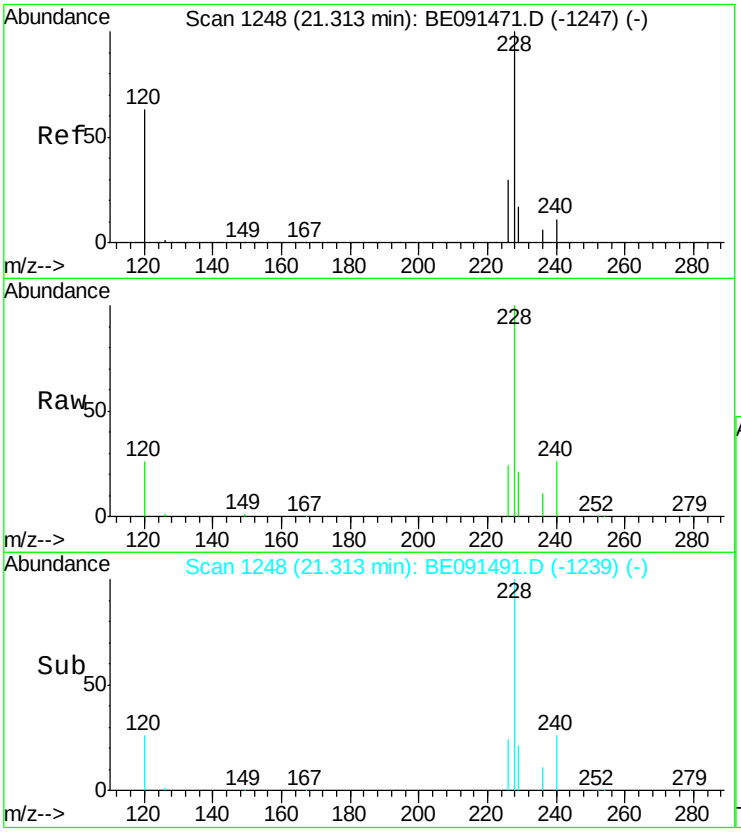


#24
Terphenyl-d14
Concen: 2.37 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:244 Resp: 231961

Ion	Ratio	Lower	Upper
244	100		
212	9.4	5.8	8.8#
122	8.1	1.8	2.8#





#25
Benzo(a)anthracene
Concen: 1.69 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:228 Resp: 378696

Ion	Ratio	Lower	Upper
228	100		
226	24.5	24.0	36.0
229	21.4	13.8	20.6#

Instrument :
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ClientSampleId :
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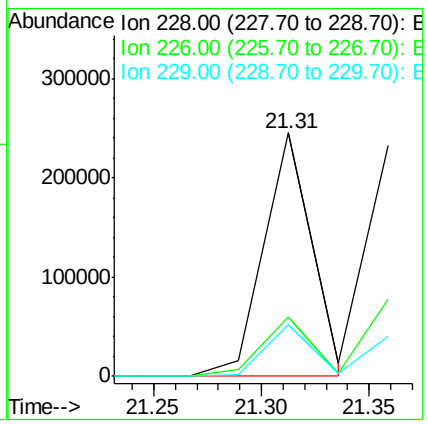
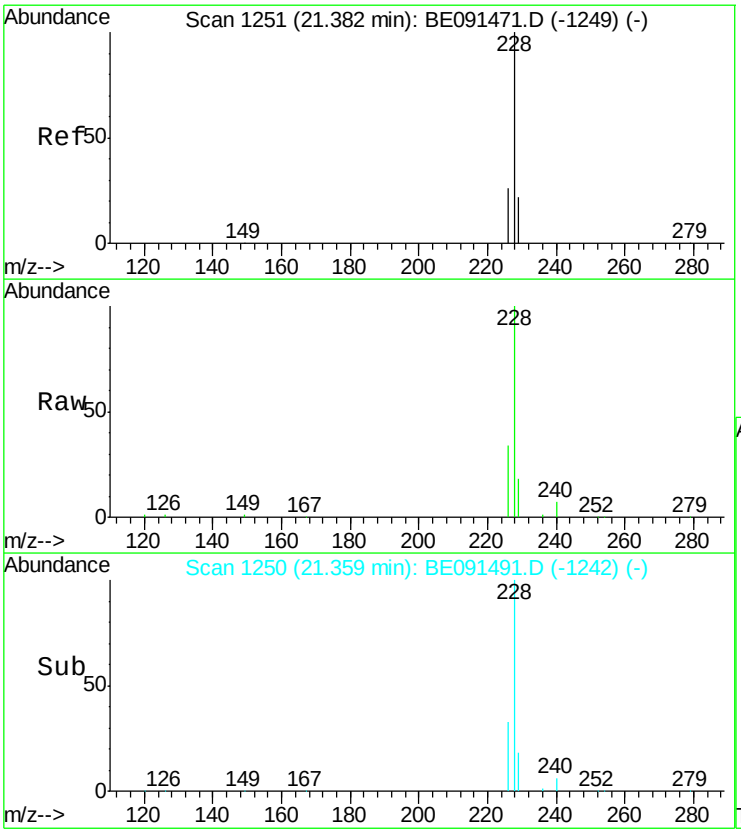
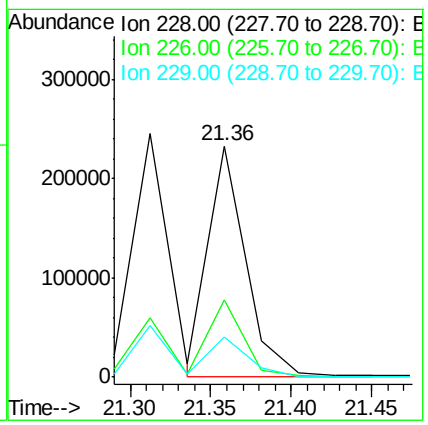


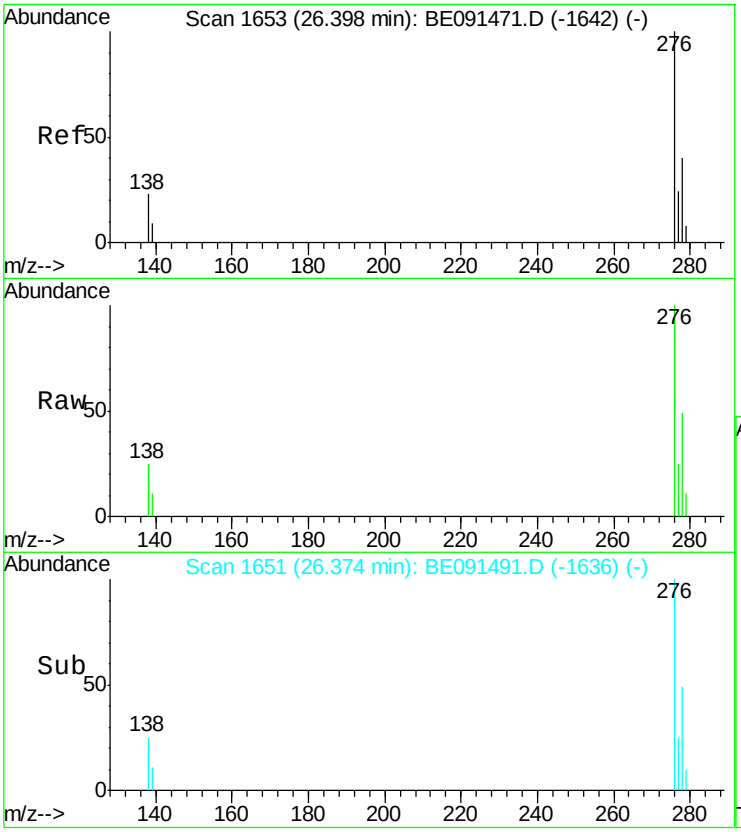


#26
Chrysene
Concen: 1.82 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:228 Resp: 378766

Ion	Ratio	Lower	Upper
228	100		
226	33.5	18.9	28.3#
229	17.6	19.1	28.7#

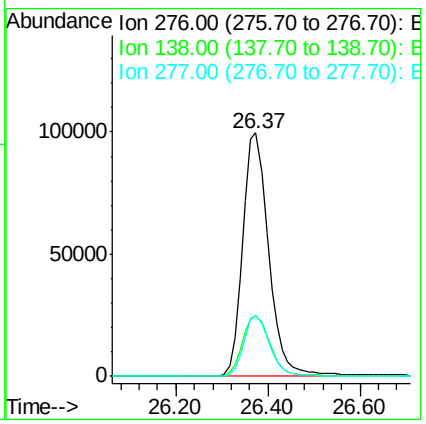




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.67 ng
RT: 26.37 min Scan# 1651
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:276 Resp: 388896

Ion	Ratio	Lower	Upper
276	100		
138	26.5	20.2	30.4
277	24.9	19.8	29.8



Instrument :
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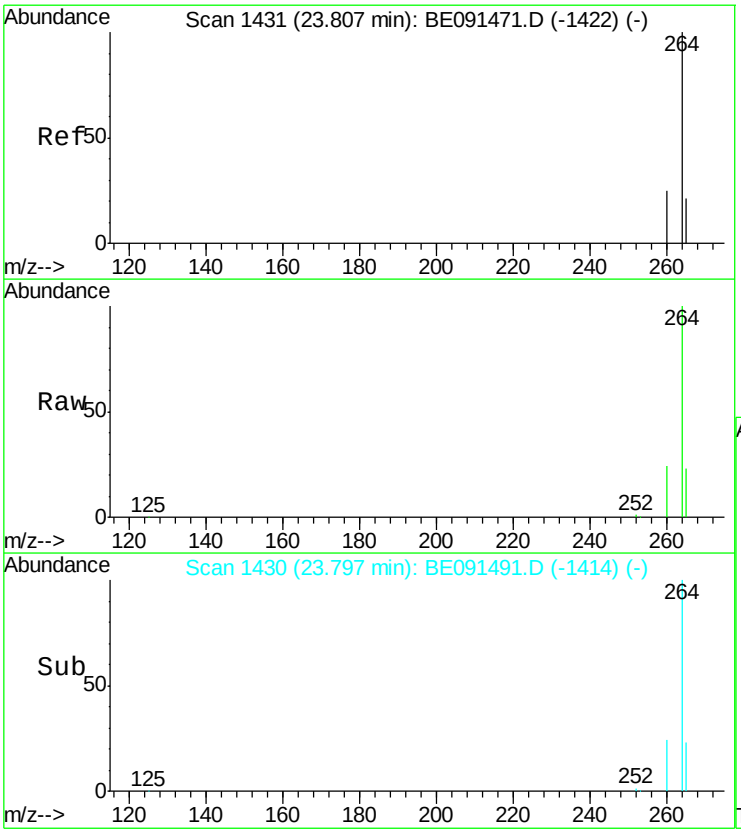
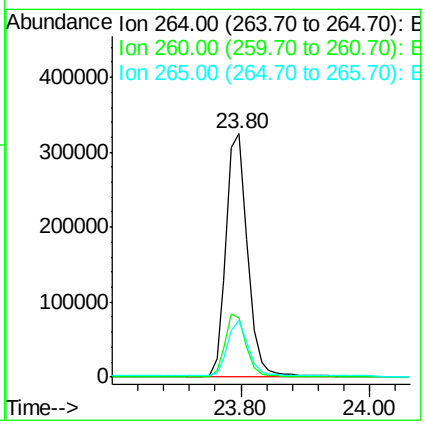
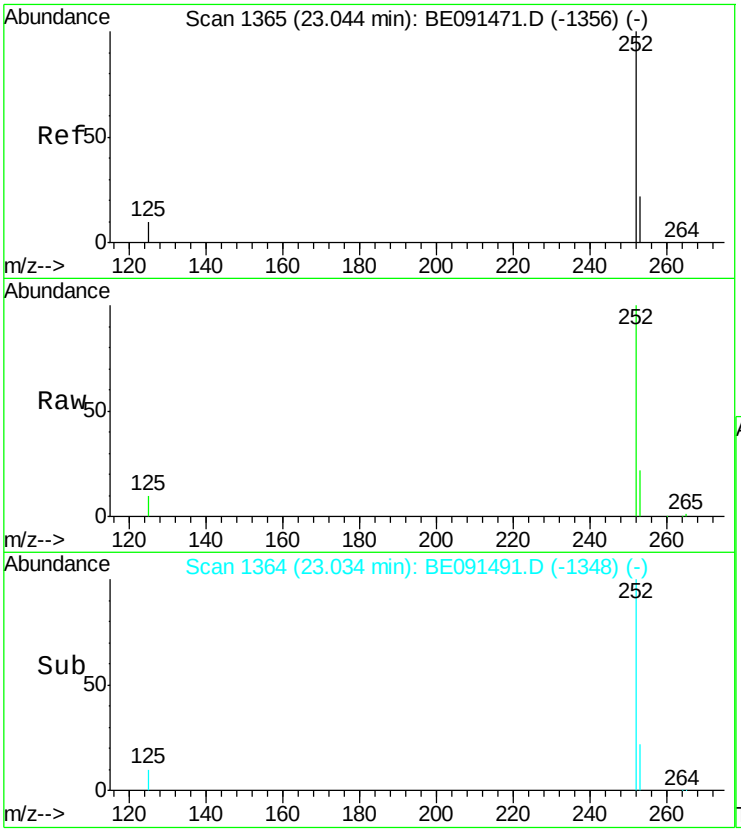


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:264 Resp: 754288

Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.1	30.1
265	23.3	18.3	27.5

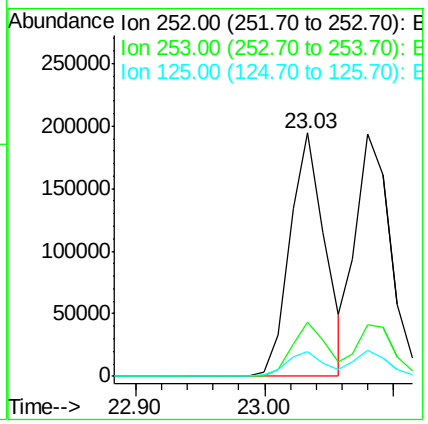




#29
Benzo(b)fluoranthene
Concen: 1.54 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:252 Resp: 366747

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	10.1	9.8	14.6



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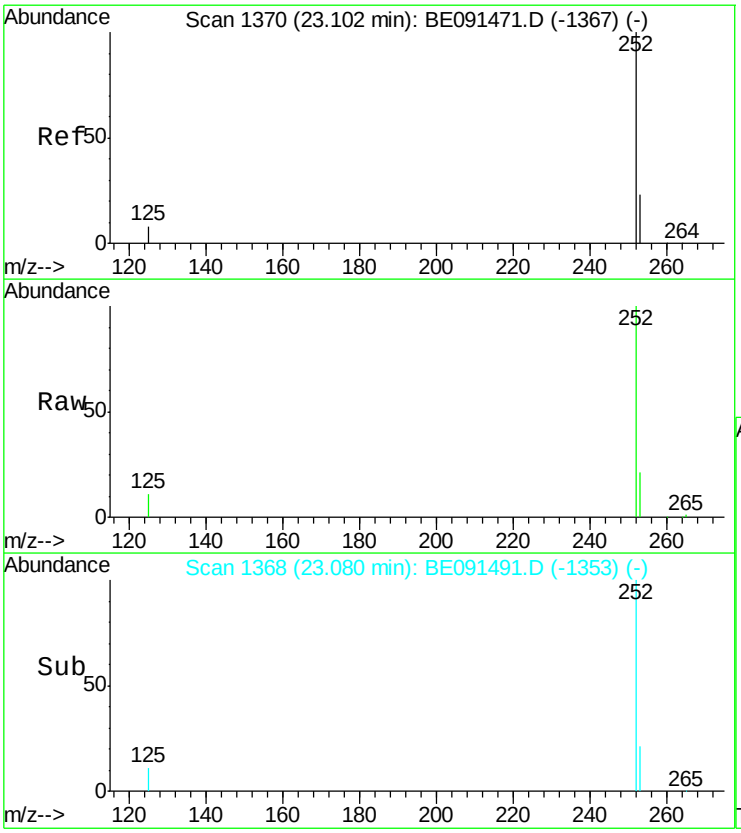
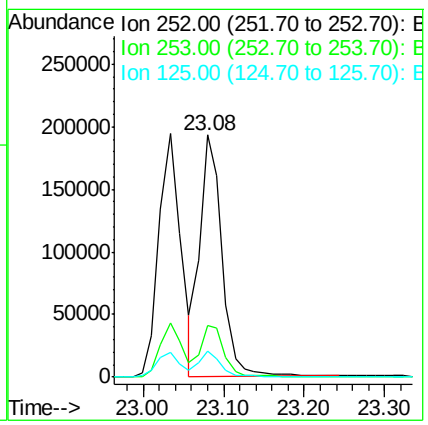
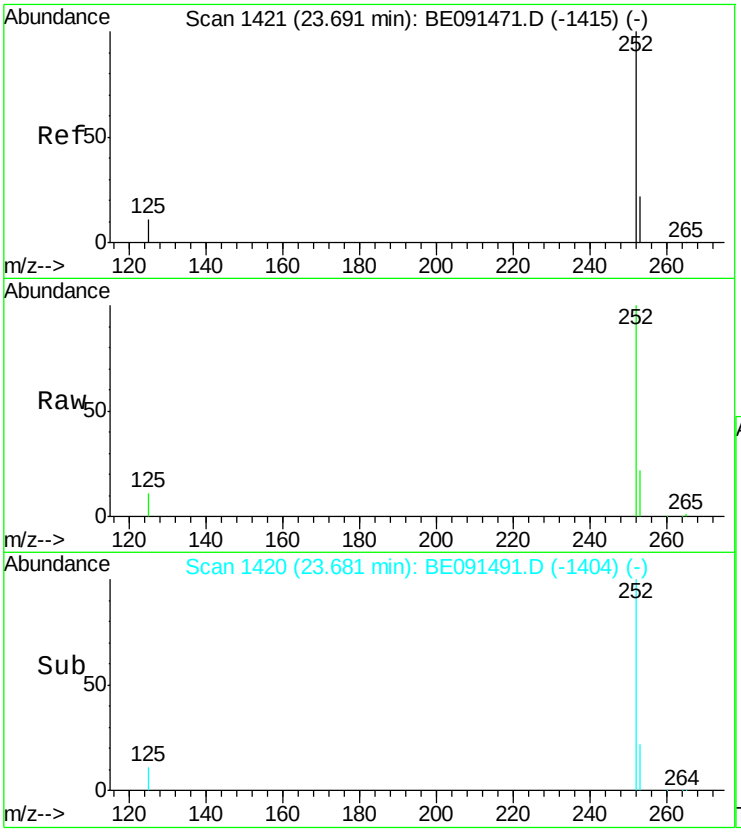


#30
Benzo(k)fluoranthene
Concen: 1.52 ng
RT: 23.08 min Scan# 1368
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:252 Resp: 370935

Ion	Ratio	Lower	Upper
252	100		
253	21.1	20.2	30.4
125	10.8	9.4	14.2





#31
Benzo(a)pyrene
Concen: 1.58 ng
RT: 23.68 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:252 Resp: 332496

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.4	29.0
125	10.9	11.4	17.2#

Instrument :
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ClientSampleId :
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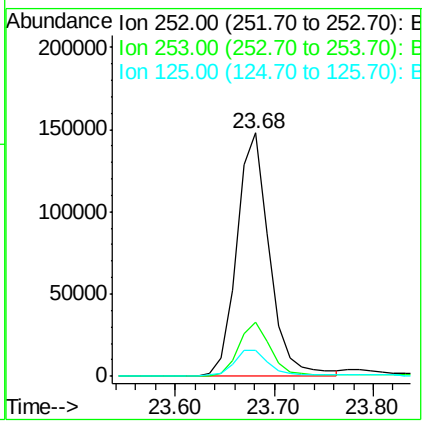
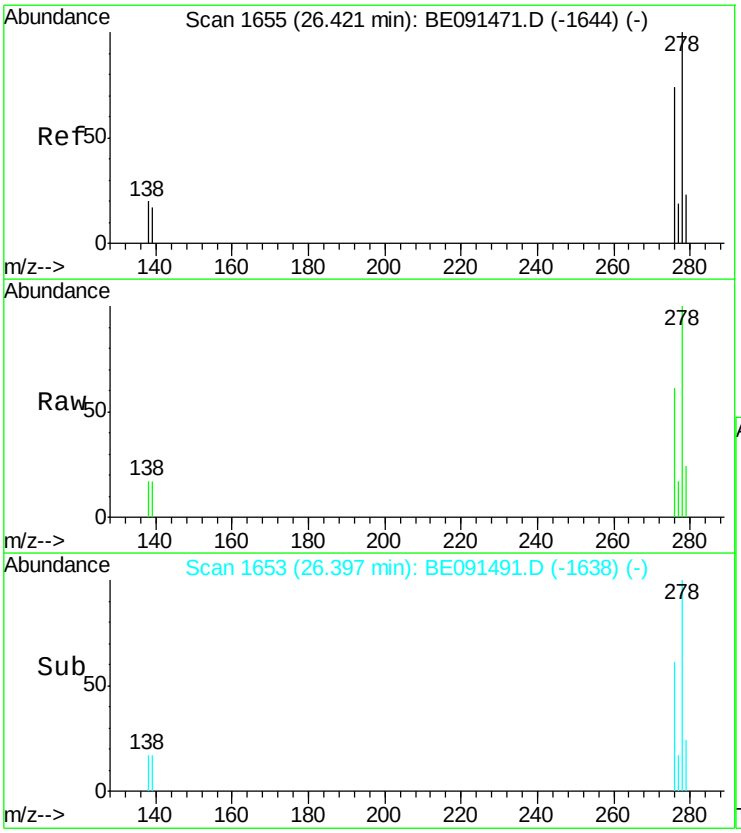
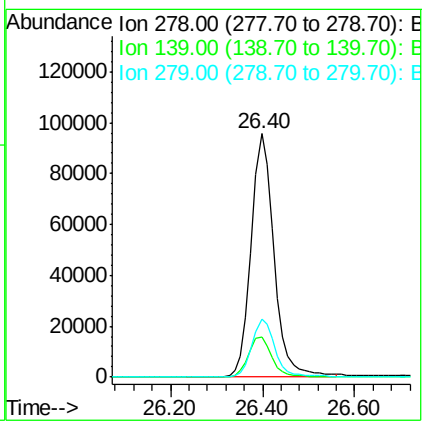


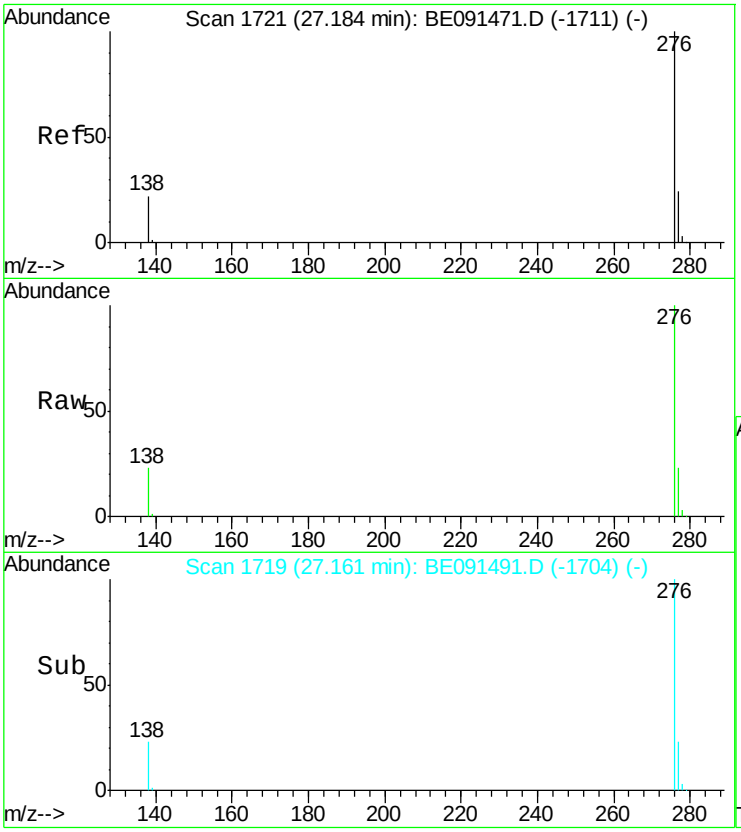


#32
Dibenzo(a,h)anthracene
Concen: 1.59 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:278 Resp: 329411

Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.2	21.4
279	23.8	19.6	29.4

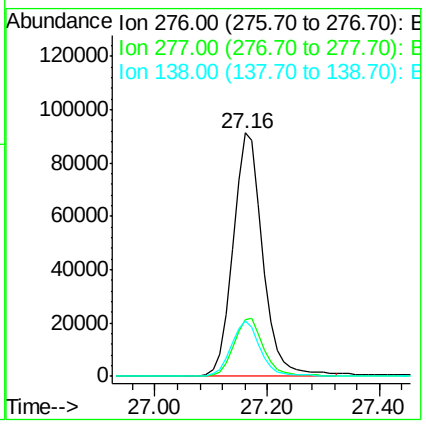




#33
Benzo(g,h,i)perylene
Concen: 1.56 ng
RT: 27.16 min Scan# 1719
Delta R.T. -0.02 min
Lab File: BE091491.D
Acq: 18 Mar 2016 20:18

Tgt Ion:276 Resp: 336334

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.4	29.2
138	22.9	18.2	27.4



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