Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
Data File : BE091571.D
Acq On : 31 Mar 2016 1:42
Operator : UM/SJ
Sample : PB89278BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB89278BSD

Manual Integrations APPROVED
Sohil
3/31/2016 4:56:33 PM

Quant Time: Mar 31 03:03:51 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 18:45:59 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	36176	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	168064	5.00	ng		0.00
10) Acenaphthene-d10	14.42	164	102641	5.00	ng		-0.03
16) Phenanthrene-d10	17.16	188	252601	5.00	ng		-0.01
22) Chrysene-d12	21.31	240	371318	5.00	ng		-0.02
28) Perylene-d12	23.76	264	304284	5.00	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	53164	5.61	ng		-0.02
5) Phenol-d6	6.97	99	75830	5.92	ng		-0.02
7) Nitrobenzene-d5	8.96	82	34623	3.07	ng		-0.02
11) 2,4,6-Tribromophenol	15.91	330	24180	5.32	ng		-0.01
12) 2-Fluorobiphenyl	13.05	172	93491	3.20	ng		-0.02
24) Terphenyl-d14	19.76	244	148915	3.16	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	12221	2.84	ng		93
3) n-Nitrosodimethylamine	3.64	42	18367	2.79	ng	#	98
8) Naphthalene	10.63	128	100484	2.89	ng		97
9) 2-Methylnaphthalene	12.24	142	71350	3.14	ng	#	85
13) Acenaphthylene	14.13	152	125699	3.04	ng		99
14) Acenaphthene	14.49	154	79695	3.14	ng		96
15) Fluorene	15.47	166	98708	3.02	ng		100
17) Hexachlorobenzene	16.46	284	27878	3.00	ng		99
18) Pentachlorophenol	16.79	266	33881	6.49	ng		86
19) Phenanthrene	17.19	178	178561	3.02	ng		99
20) Anthracene	17.29	178	169510	3.11	ng		100
21) Fluoranthene	19.21	202	212681	3.05	ng		98
23) Pyrene	19.57	202	222704	2.94	ng		99
25) Benzo(a)anthracene	21.29	228	279331m	3.20	ng		
26) Chrysene	21.34	228	210543m	2.82	ng		
27) Indeno(1,2,3-cd)pyrene	26.32	276	250061	2.91	ng		99
29) Benzo(b)fluoranthene	23.01	252	242679	3.29	ng	#	97
30) Benzo(k)fluoranthene	23.06	252	222581	3.12	ng		94
31) Benzo(a)pyrene	23.65	252	217026	3.22	ng	#	94
32) Dibenzo(a,h)anthracene	26.35	278	211452	3.19	ng		97
33) Benzo(g,h,i)perylene	27.11	276	213250	3.15	ng		98

(#) = 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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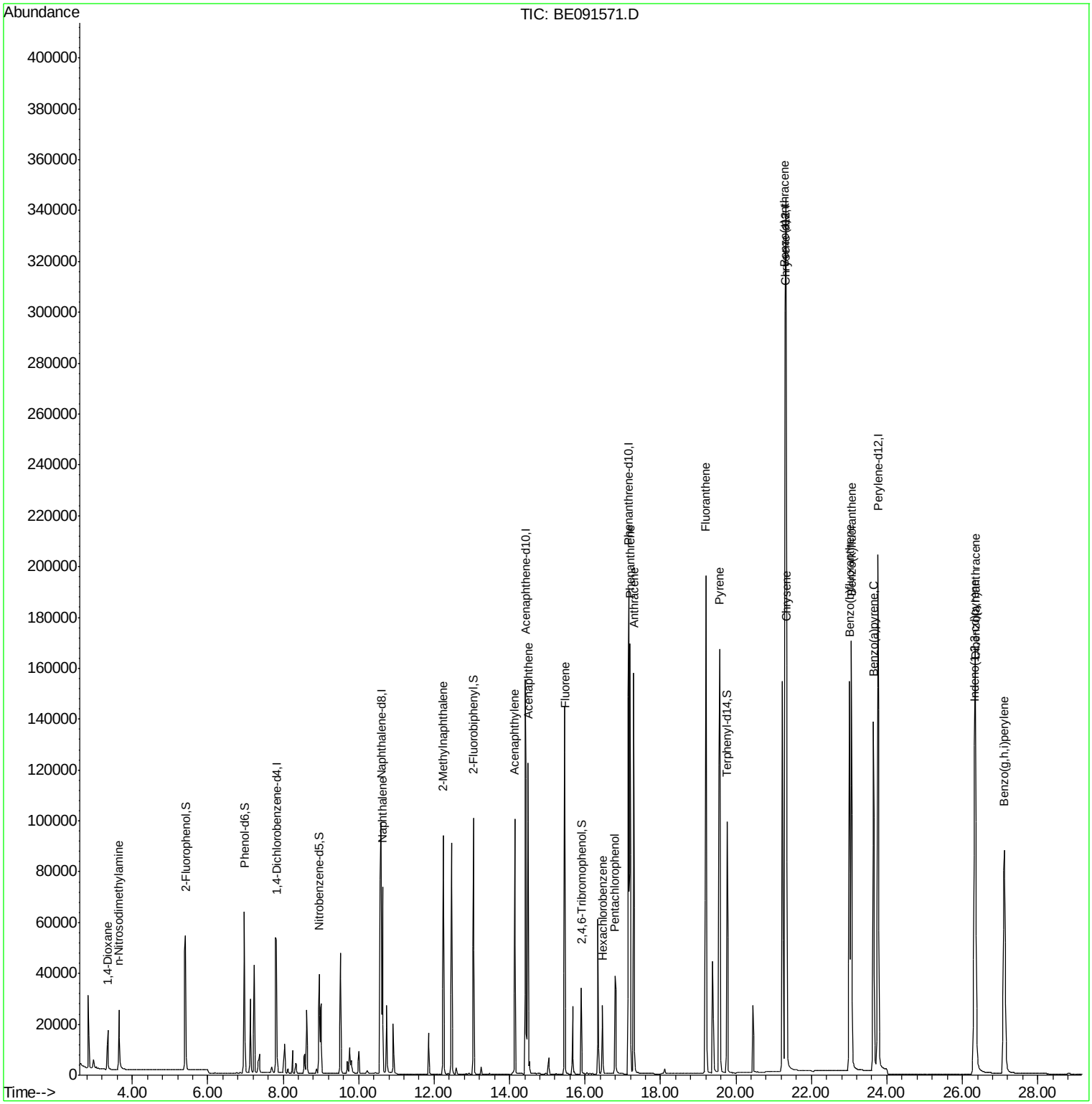
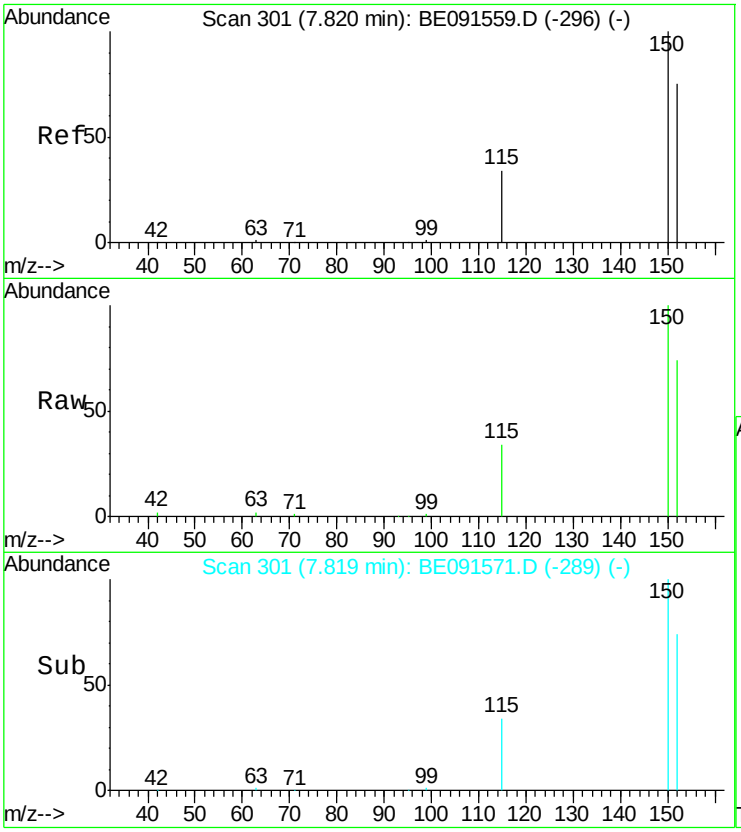
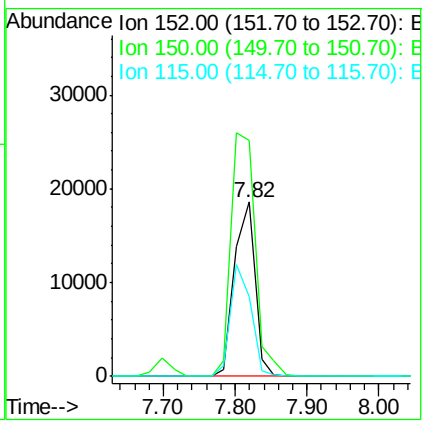




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. -0.00 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:152 Resp: 36176

Ion	Ratio	Lower	Upper
152	100		
150	135.1	122.2	183.2
115	45.9	45.9	68.9#



Instrument :
BNA_E
ClientSampleId :
PB89278BSD

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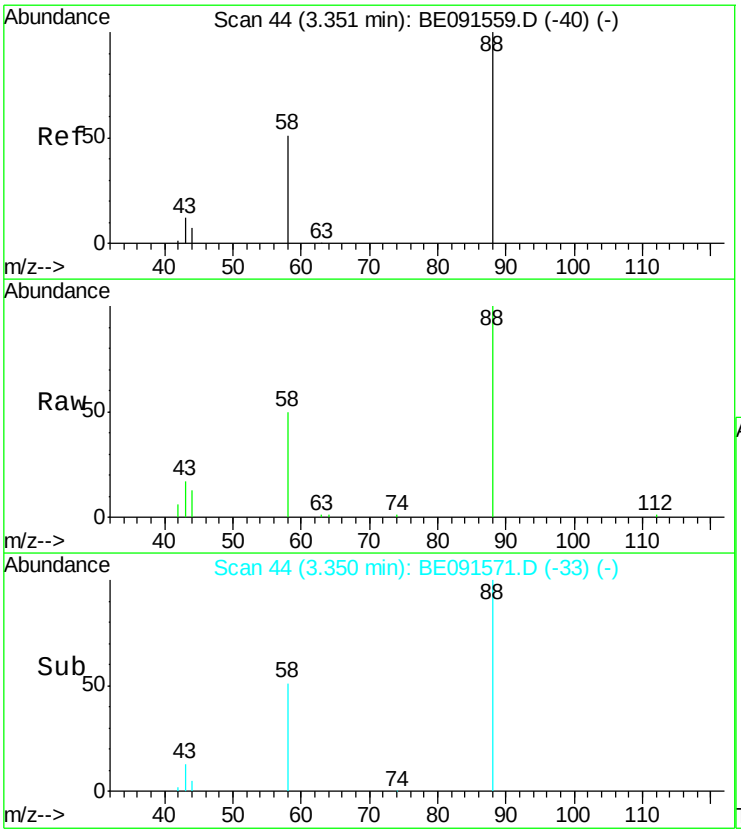
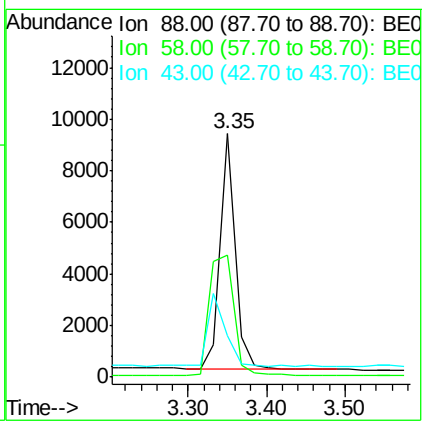
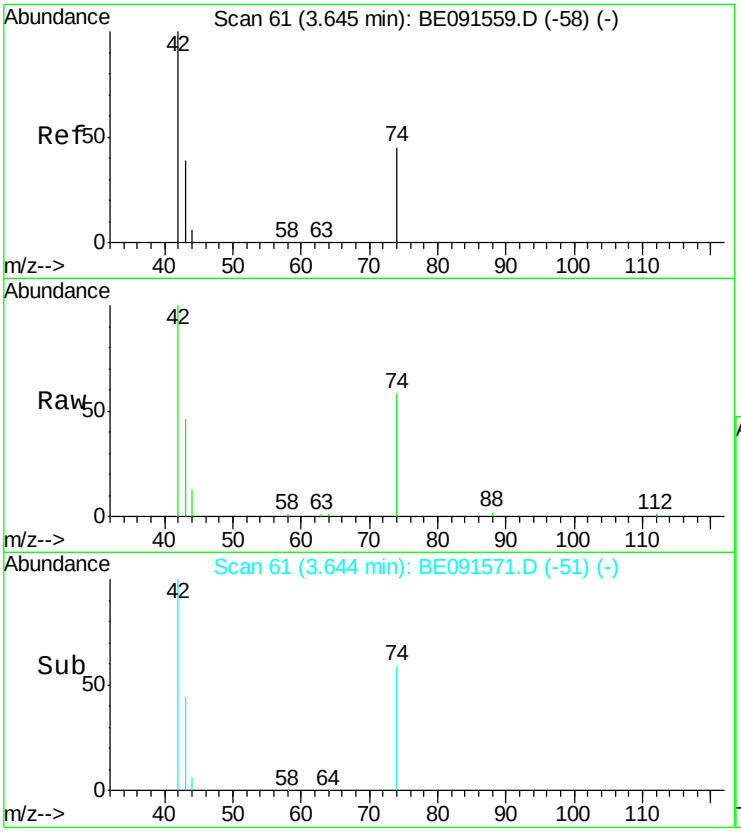


#2
1,4-Dioxane
Concen: 2.84 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion: 88 Resp: 12221

Ion	Ratio	Lower	Upper
88	100		
58	81.5	61.0	91.6
43	36.2	25.4	38.2

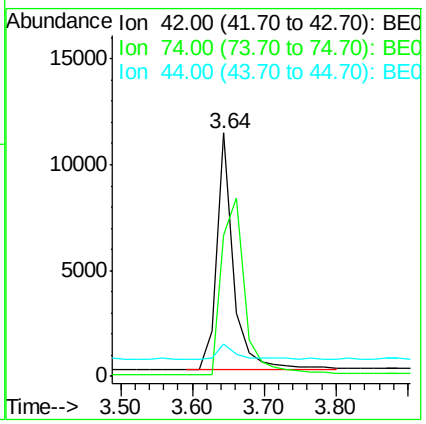




#3
n-Nitrosodimethylamine
Concen: 2.79 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion: 42 Resp: 18367

Ion	Ratio	Lower	Upper
42	100		
74	103.7	84.3	126.5
44	6.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB89278BSD

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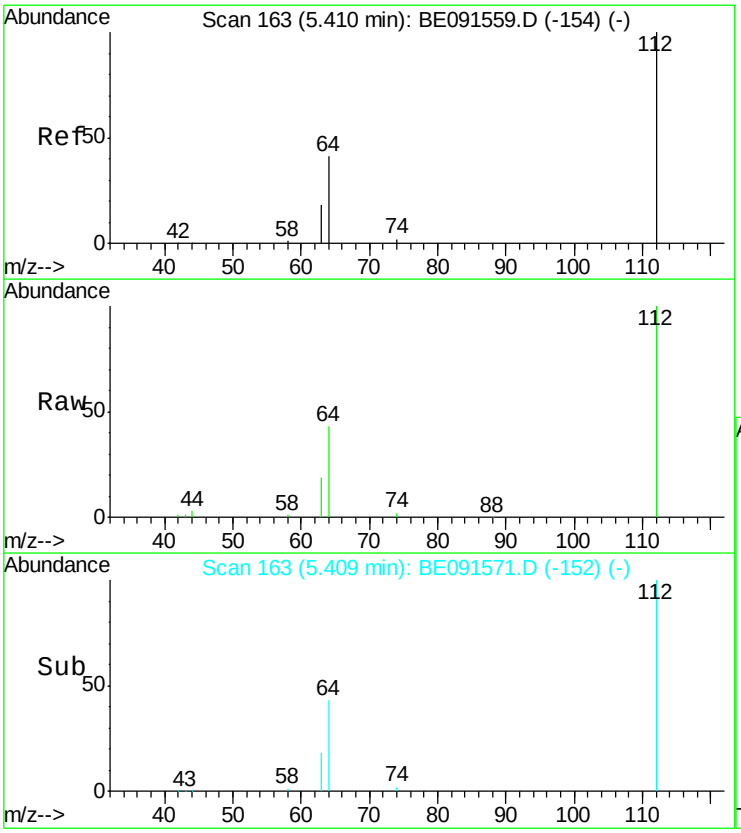
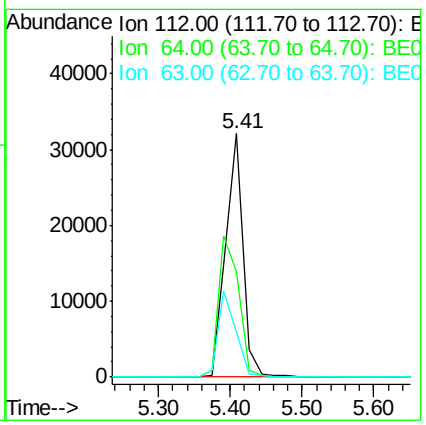
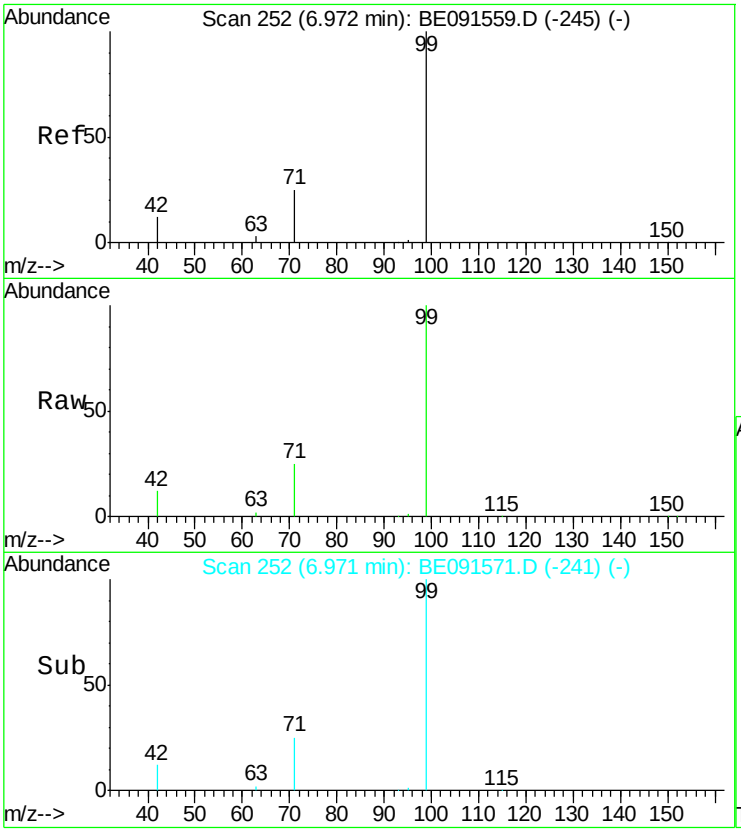


#4
2-Fluorophenol
Concen: 5.61 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:112 Resp: 53164

Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.3	79.9
63	36.4	29.8	44.8

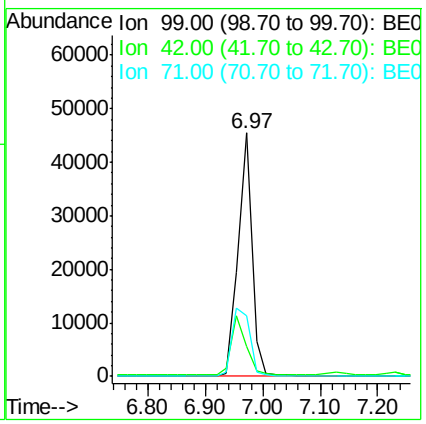




#5
Phenol-d6
Concen: 5.92 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion: 99 Resp: 75830

Ion	Ratio	Lower	Upper
99	100		
42	25.3	20.6	30.8
71	35.8	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB89278BSD

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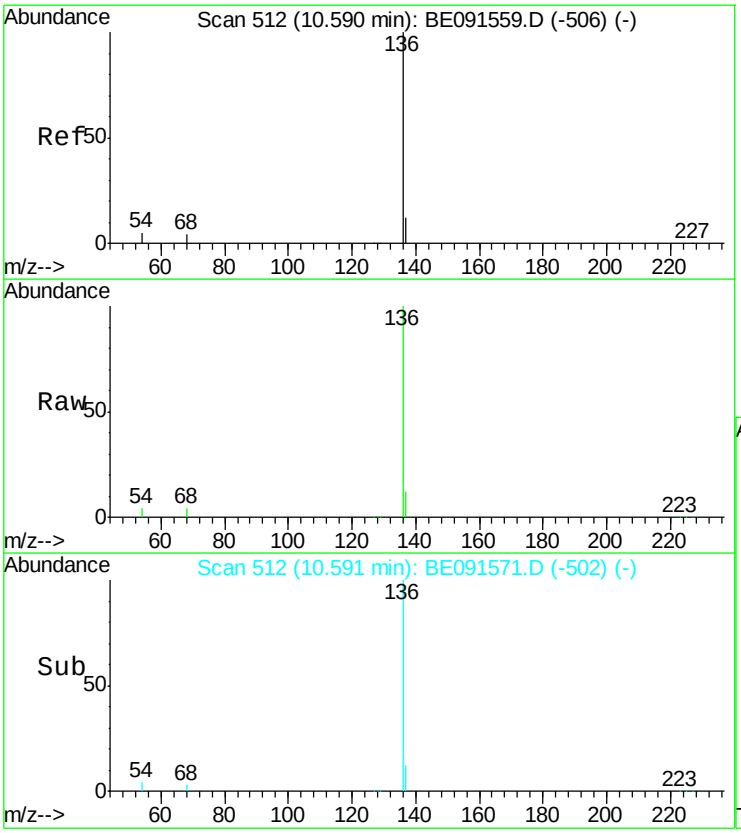
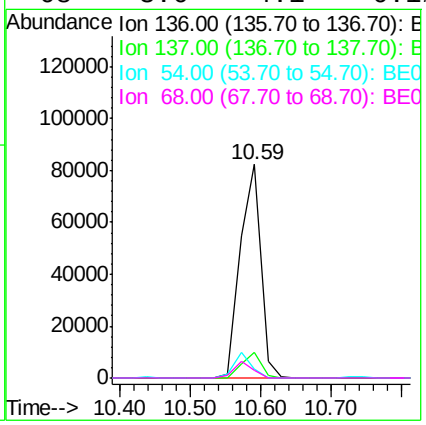
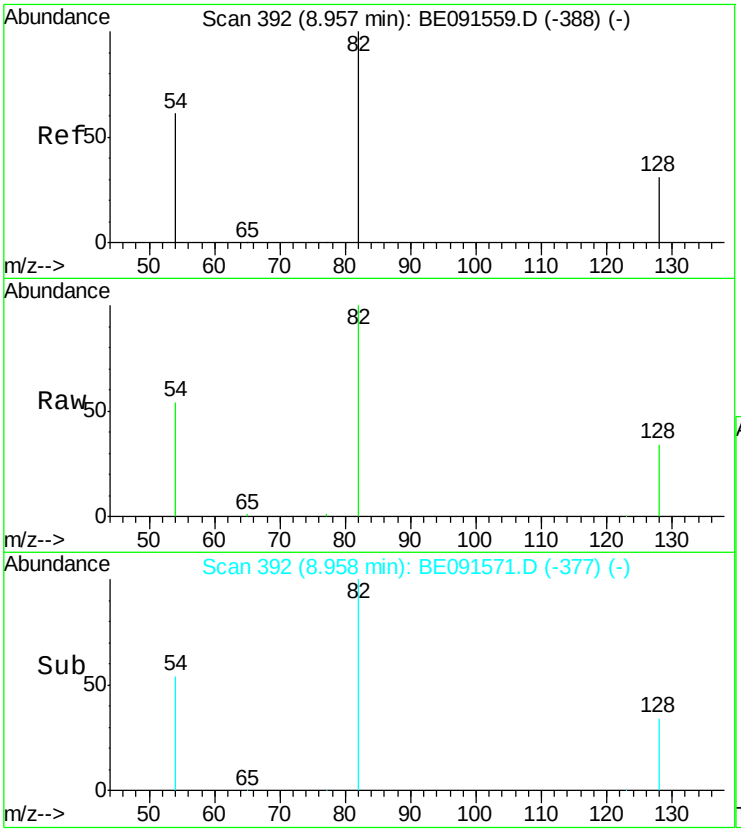


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:136 Resp: 168064

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	4.3	5.2	7.8#
68	3.6	4.1	6.1#

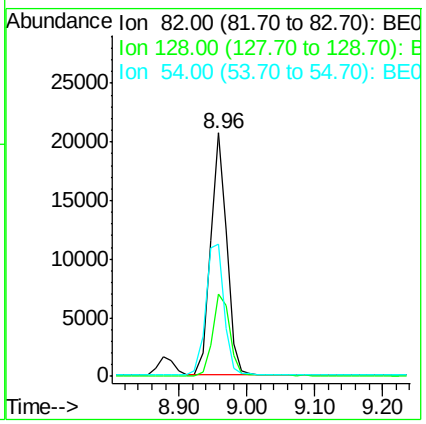




#7
Nitrobenzene-d5
Concen: 3.07 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion: 82 Resp: 34623

Ion	Ratio	Lower	Upper
82	100		
128	34.0	23.5	35.3
54	54.5	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
PB89278BSD

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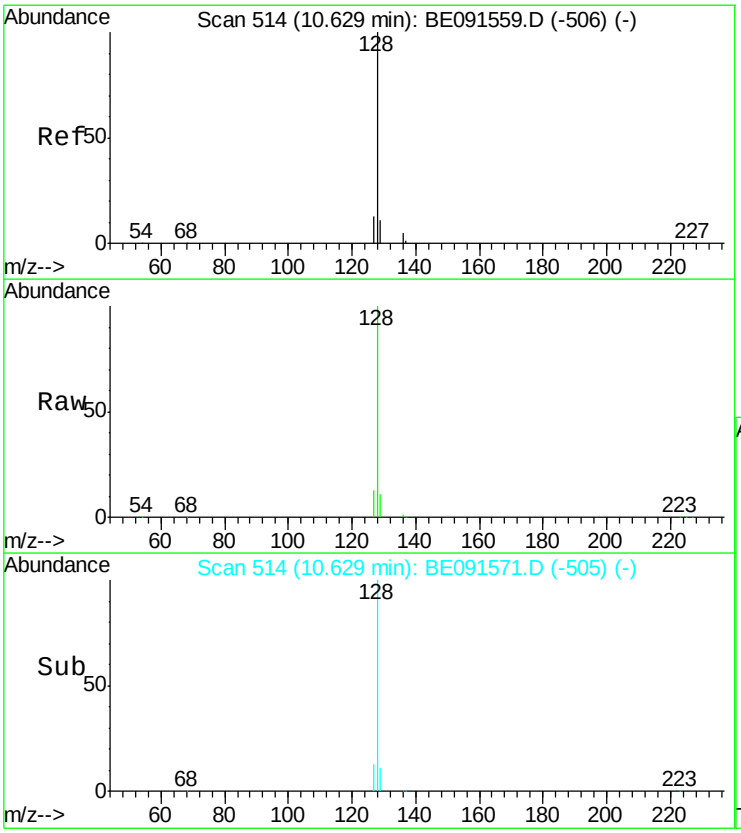
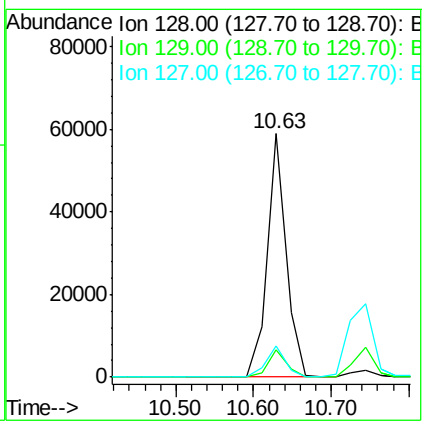
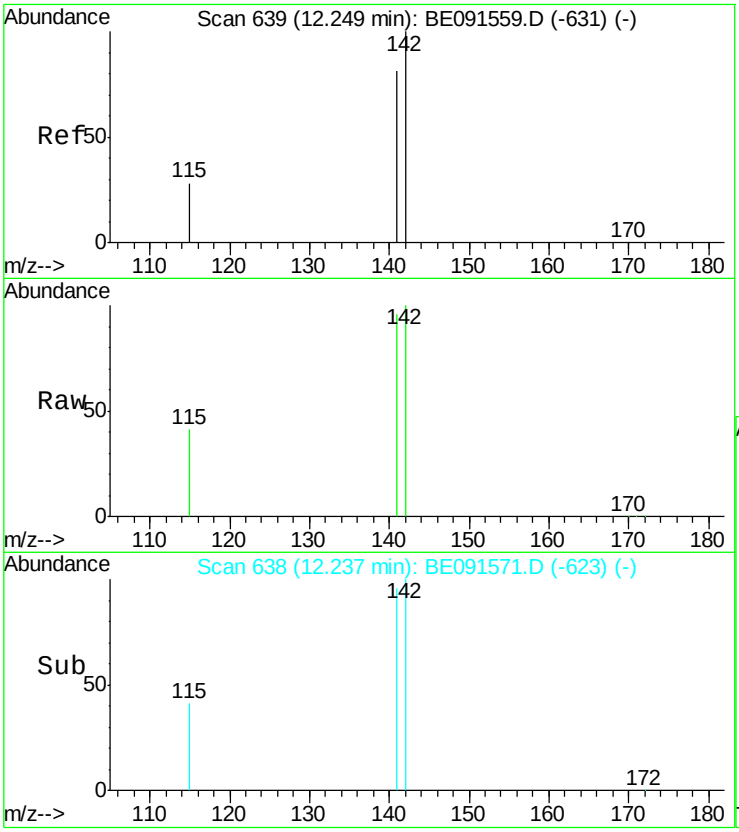


#8
Naphthalene
Concen: 2.89 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:128 Resp: 100484

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.2	12.2
127	13.0	11.8	17.8

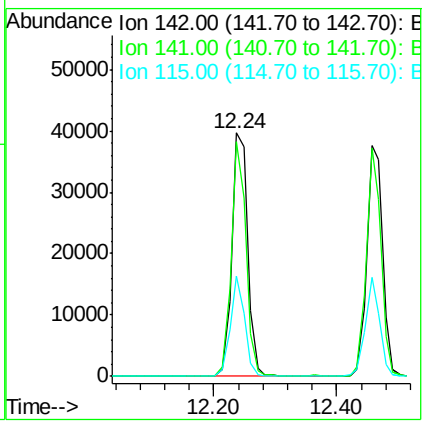




#9
2-Methylnaphthalene
Concen: 3.14 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:142 Resp: 71350

Ion	Ratio	Lower	Upper
142	100		
141	96.1	66.9	100.3
115	41.2	25.1	37.7#



Instrument :
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ClientSampleId :
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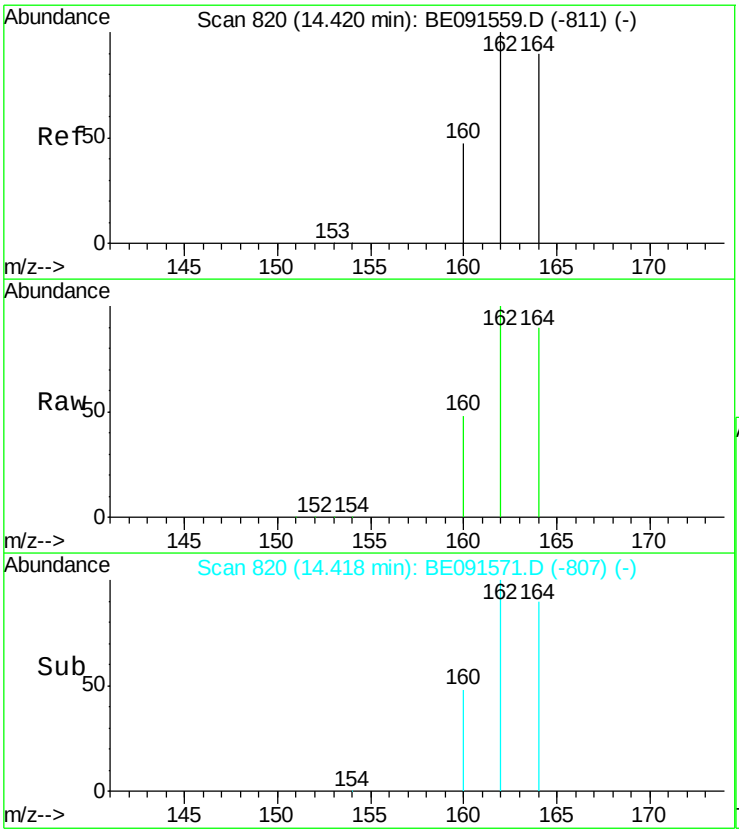
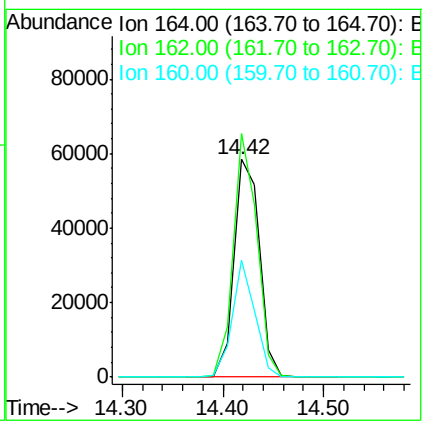
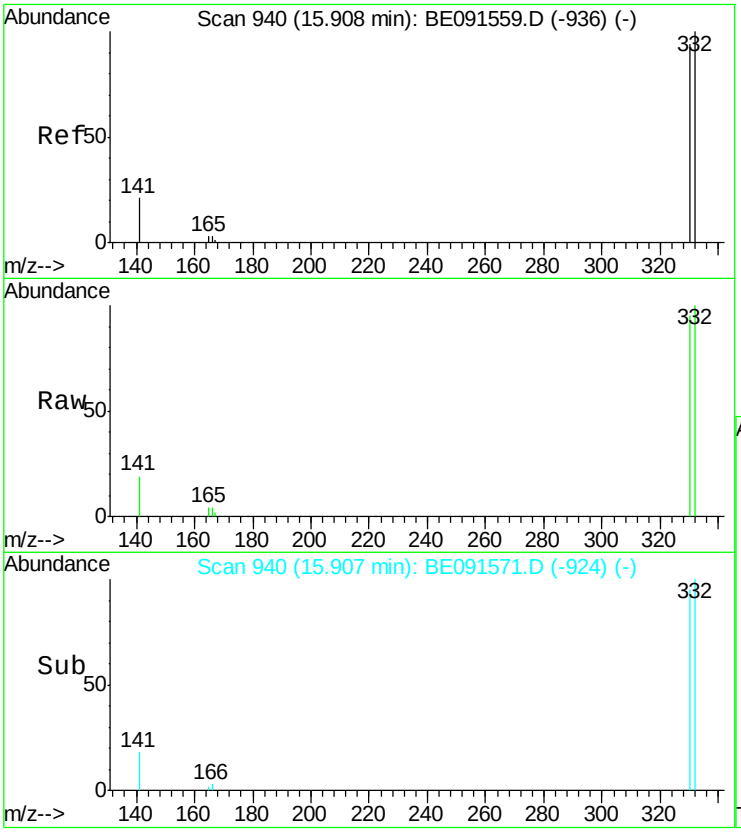


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.03 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:164 Resp: 102641

Ion	Ratio	Lower	Upper
164	100		
162	111.7	84.4	126.6
160	53.4	37.7	56.5

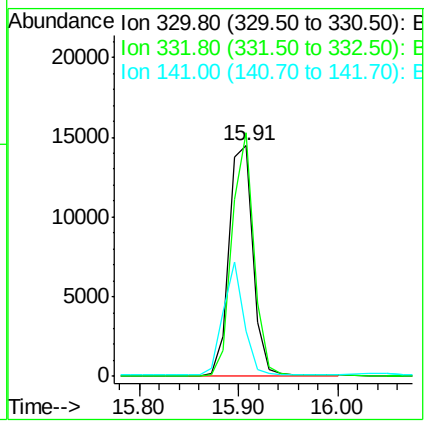




#11
2,4,6-Tribromophenol
Concen: 5.32 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:330 Resp: 24180

Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.2	118.8
141	42.8	28.1	42.1#



Instrument :
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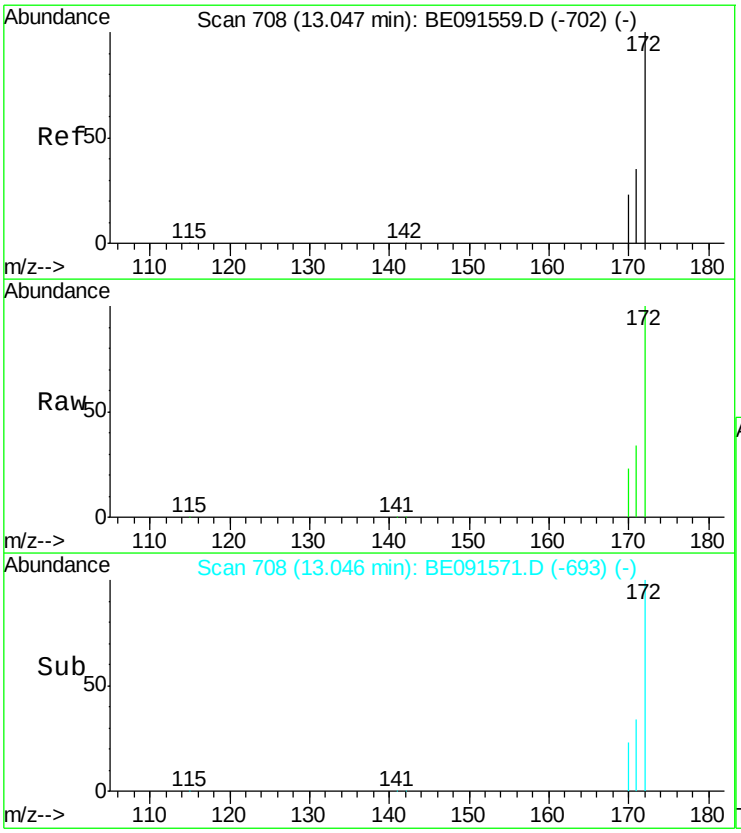
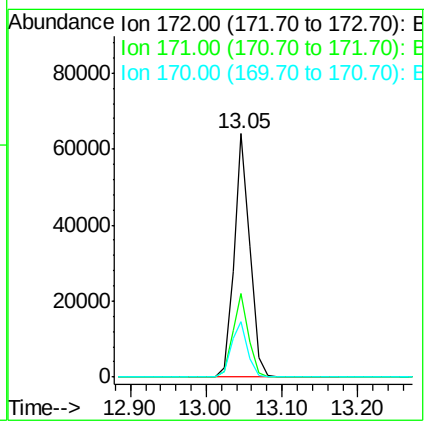
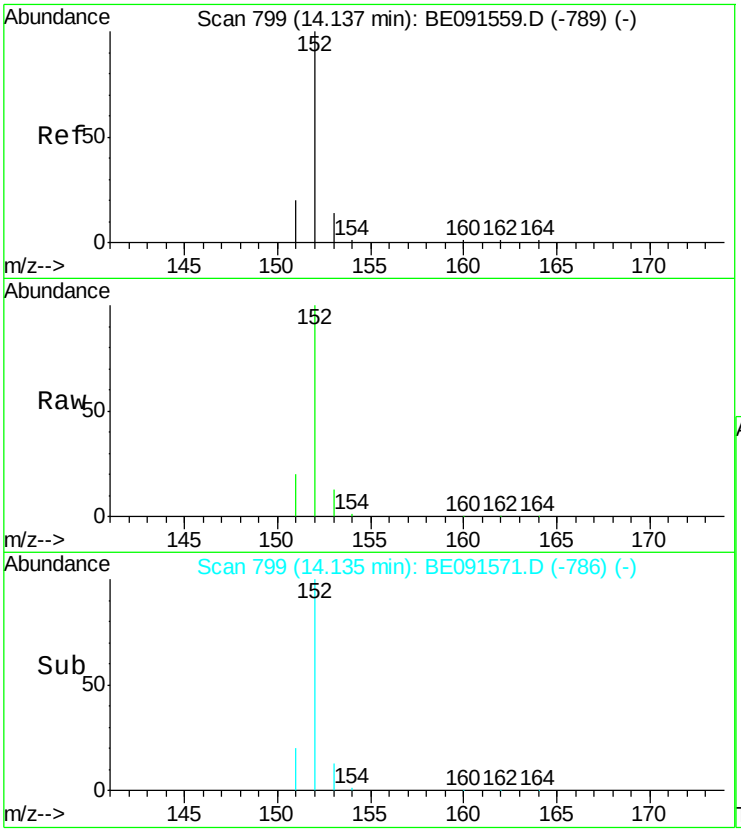


#12
2-Fluorobiphenyl
Concen: 3.20 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:172 Resp: 93491

Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.8	44.8
170	22.7	21.4	32.2

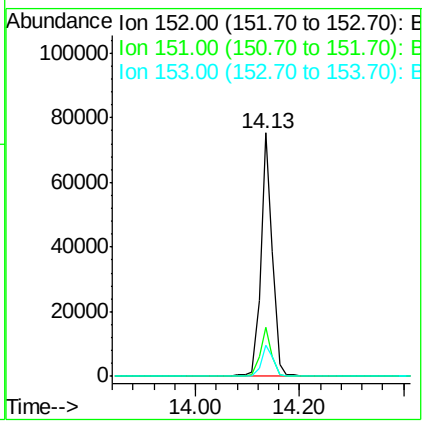




#13
Acenaphthylene
Concen: 3.04 ng
RT: 14.13 min Scan# 799
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:152 Resp: 125699

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.7	11.1	16.7



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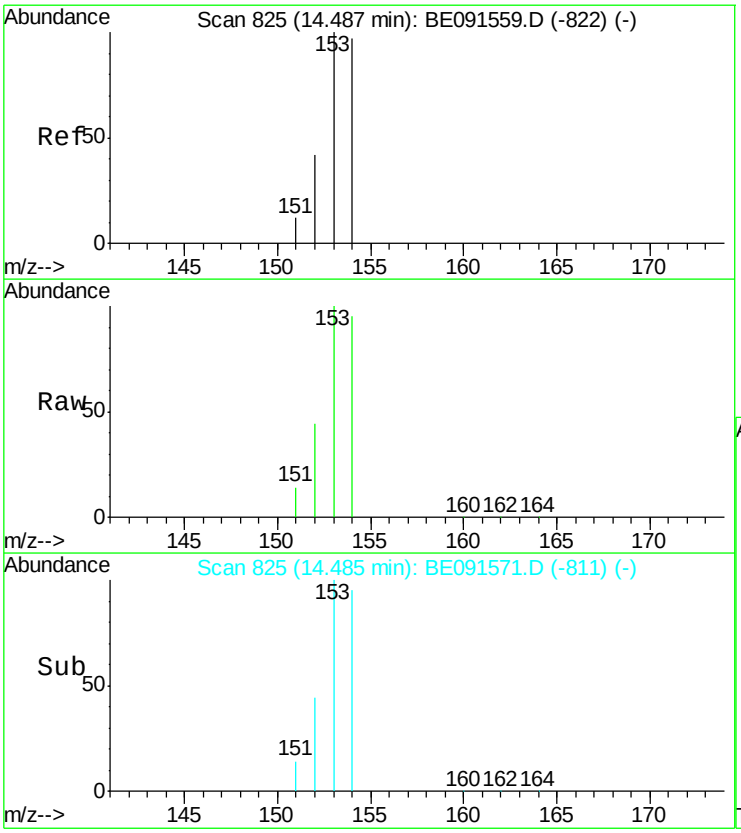
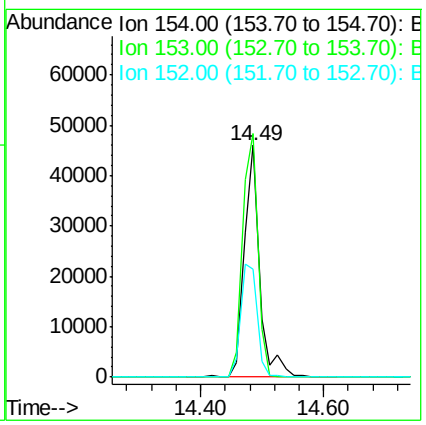
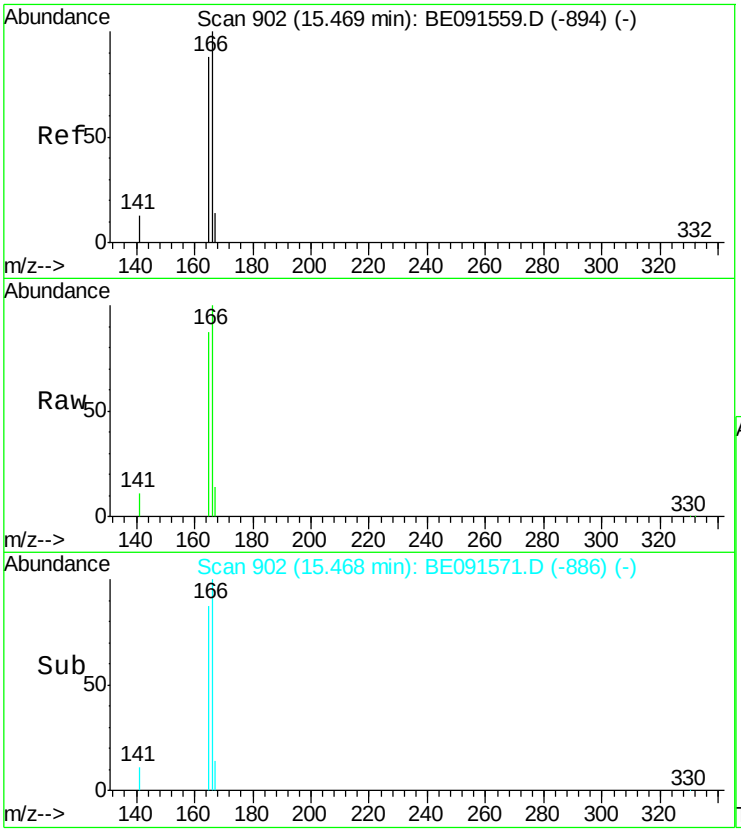


#14
Acenaphthene
Concen: 3.14 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:154 Resp: 79695

Ion	Ratio	Lower	Upper
154	100		
153	103.6	87.3	130.9
152	51.5	42.9	64.3

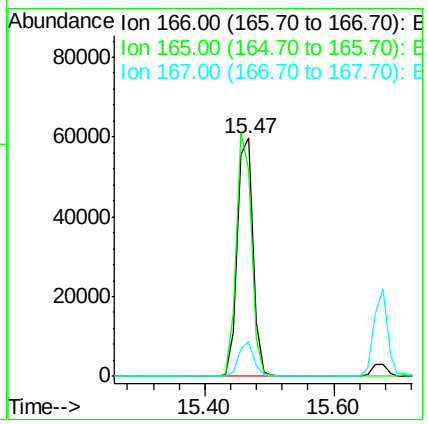




#15
Fluorene
Concen: 3.02 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:166 Resp: 98708

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.2	118.8
167	13.4	10.8	16.2



Instrument :
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ClientSampleId :
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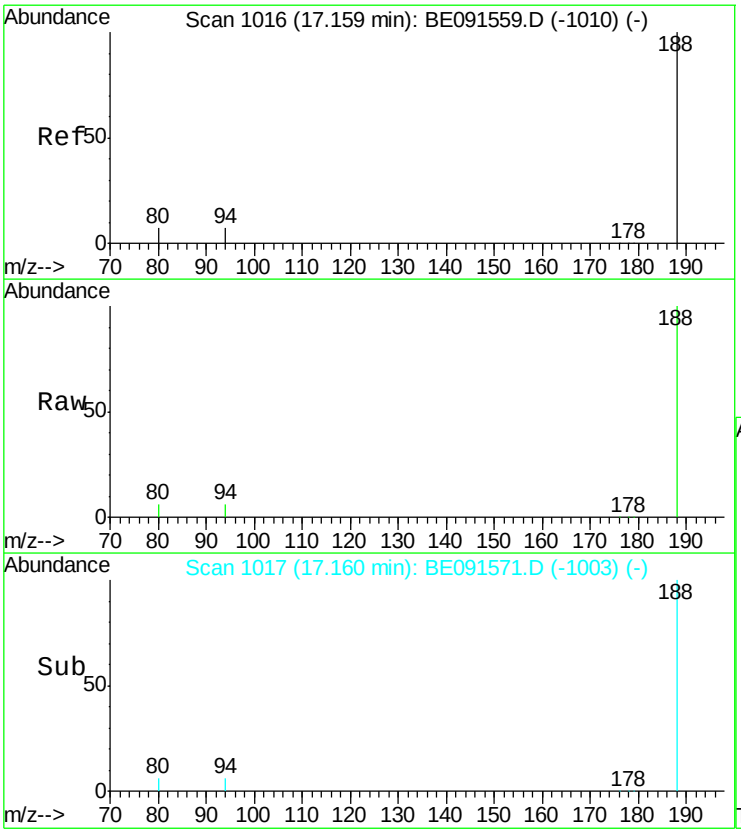
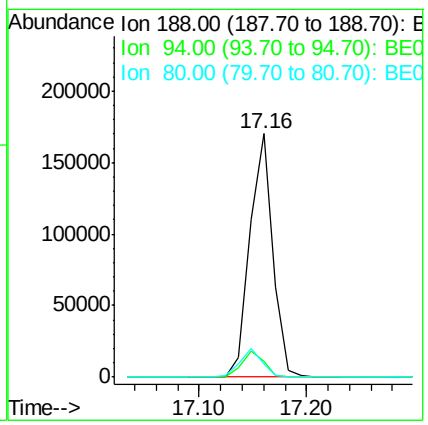
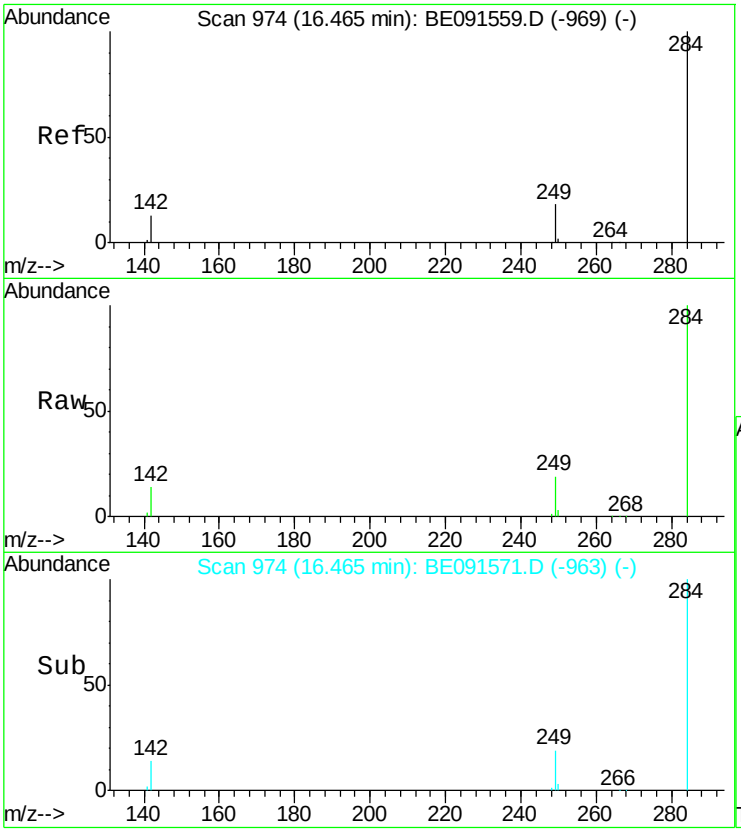


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:188 Resp: 252601

Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.4	8.2
80	5.6	5.0	7.4

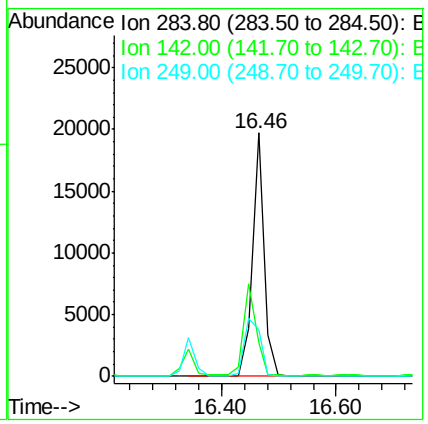




#17
Hexachlorobenzene
Concen: 3.00 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:284 Resp: 27878

Ion	Ratio	Lower	Upper
284	100		
142	40.2	31.0	46.4
249	32.3	25.8	38.8



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ClientSampleId :
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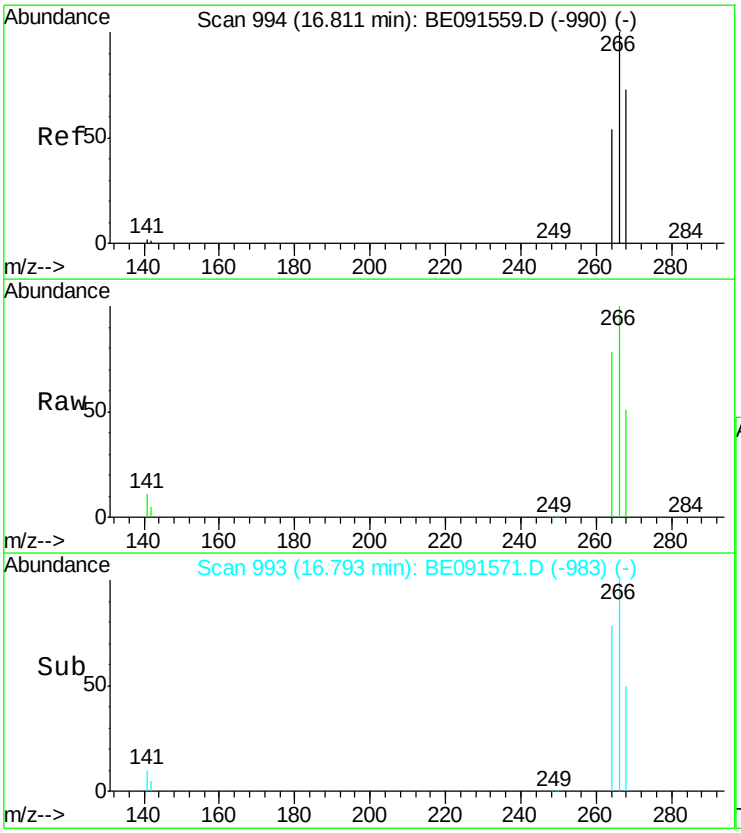
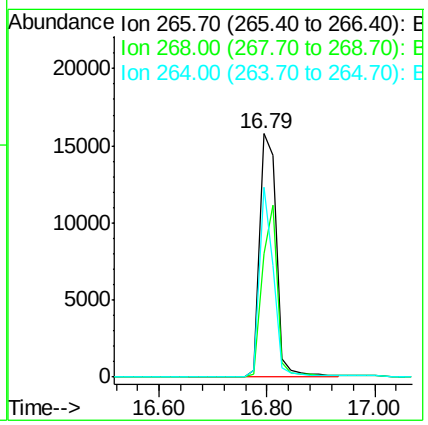
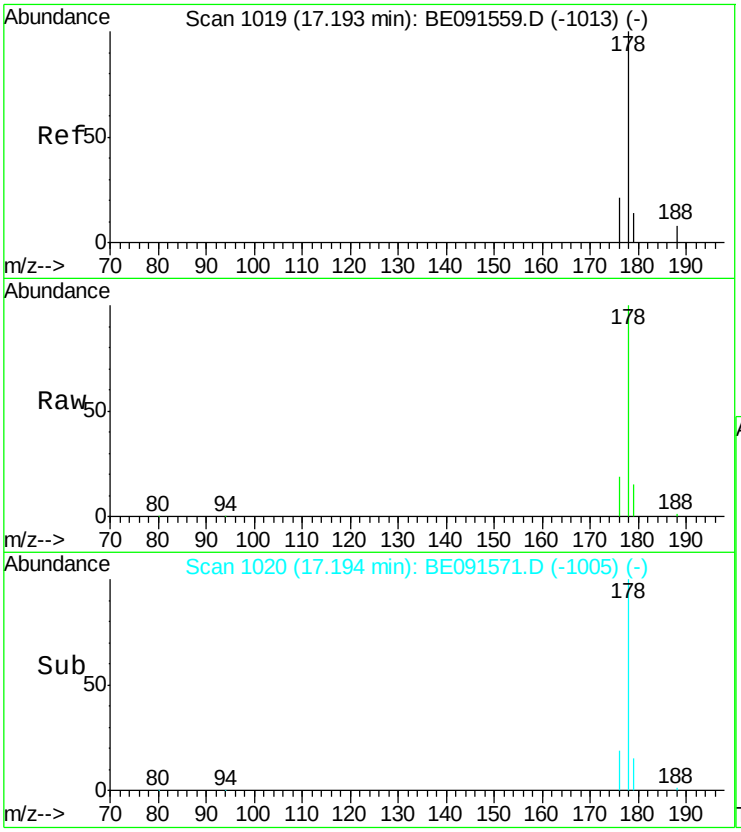


#18
Pentachlorophenol
Concen: 6.49 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.03 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:266 Resp: 33881

Ion	Ratio	Lower	Upper
266	100		
268	50.6	48.2	72.2
264	77.8	52.1	78.1

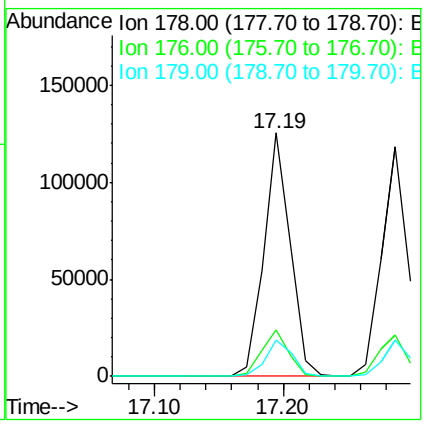




#19
Phenanthrene
Concen: 3.02 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:178 Resp: 178561

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.5	13.1	19.7



Instrument :
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ClientSampleId :
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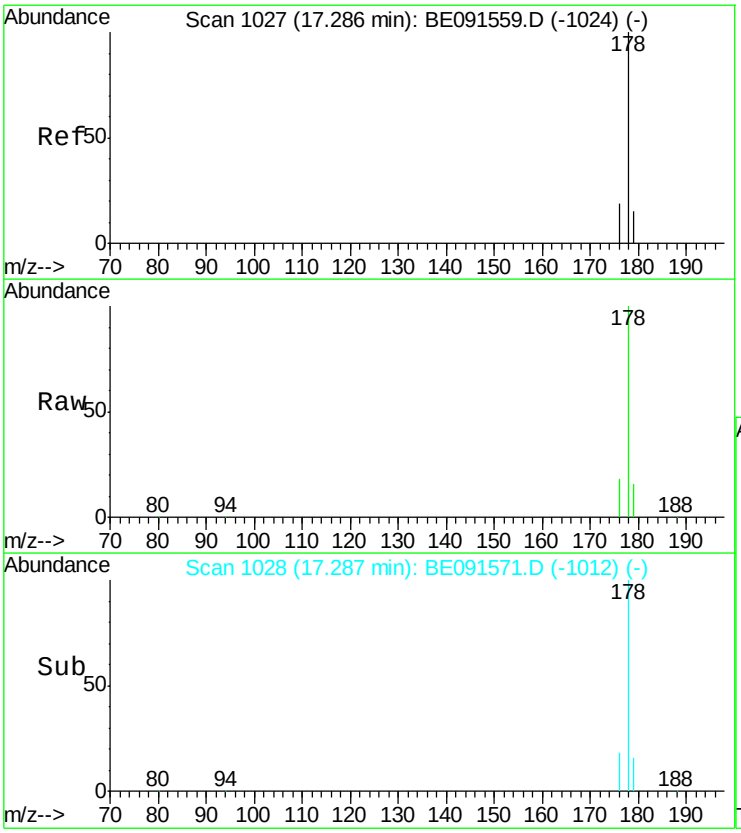
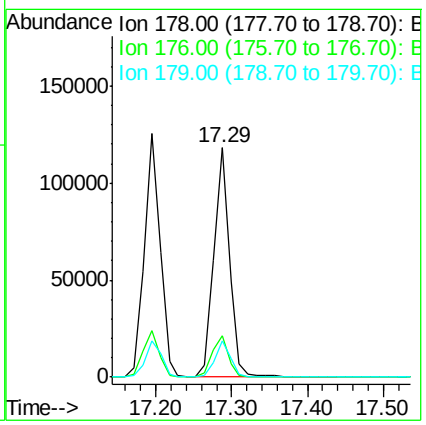
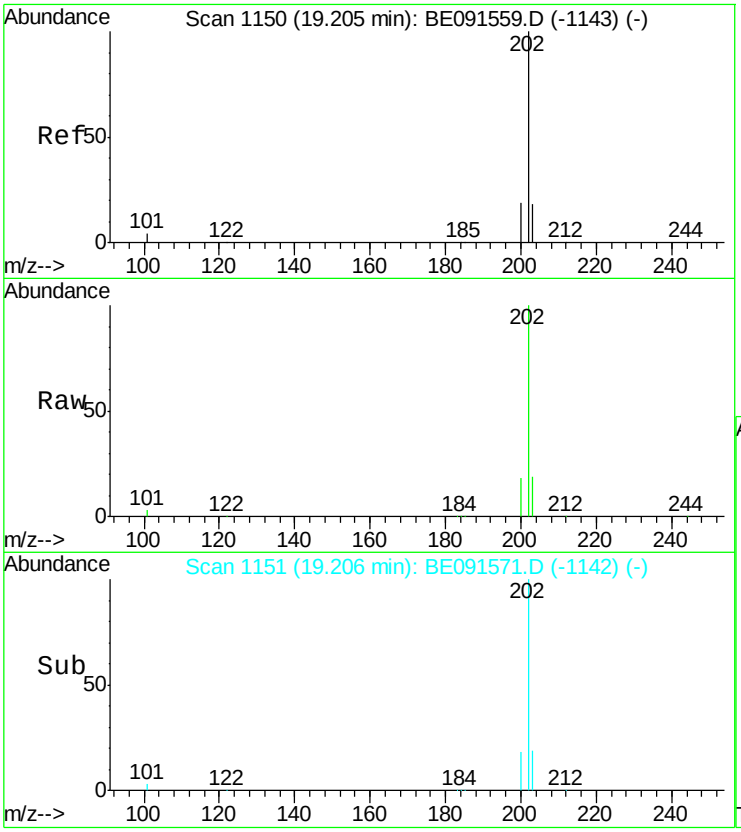


#20
Anthracene
Concen: 3.11 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:178 Resp: 169510

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	12.2	18.4

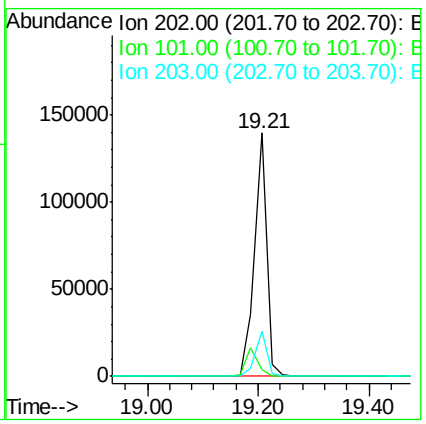




#21
Fluoranthene
Concen: 3.05 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:202 Resp: 212681

Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.3	12.5
203	17.8	13.9	20.9



Instrument :
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ClientSampleId :
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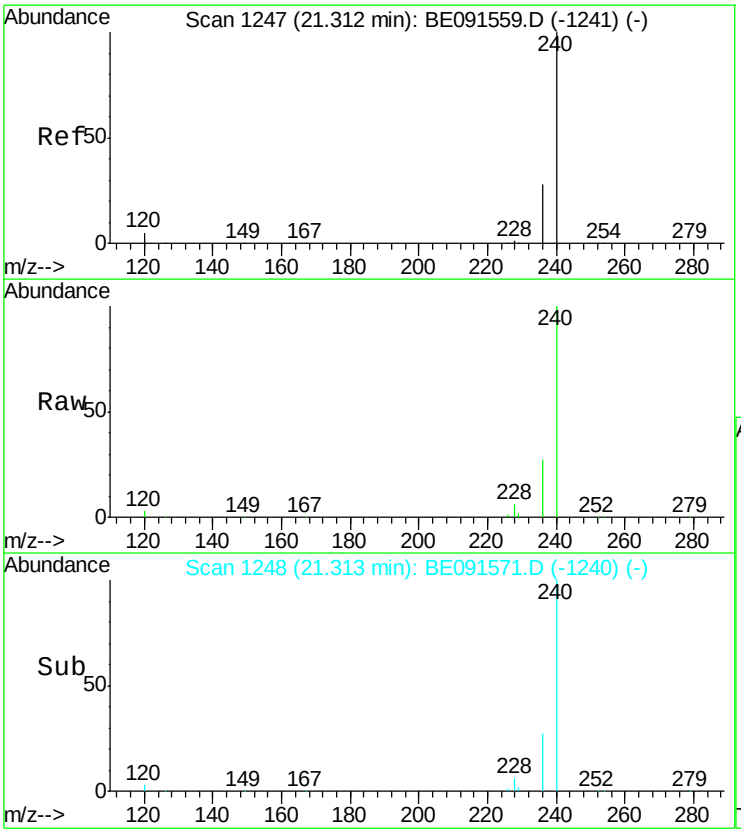
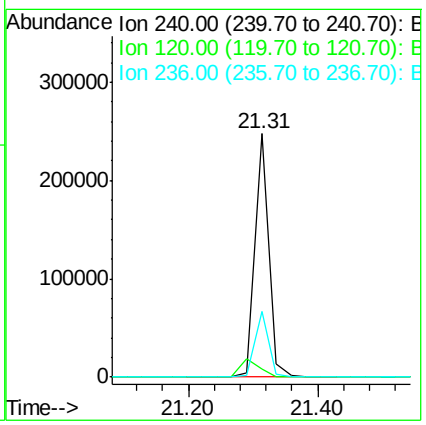
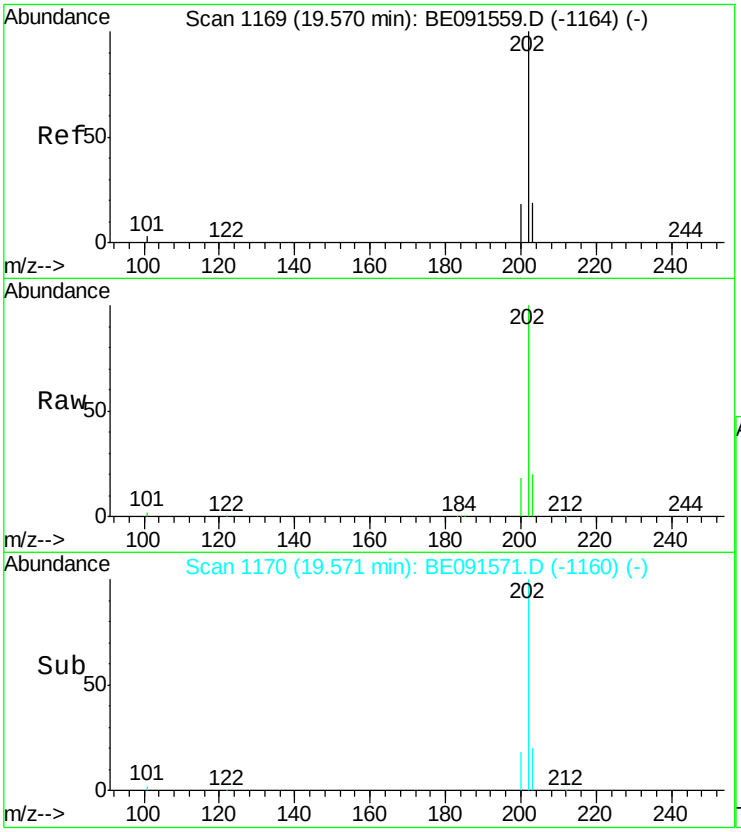


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:240 Resp: 371318

Ion	Ratio	Lower	Upper
240	100		
120	3.1	4.0	6.0#
236	27.1	23.0	34.4

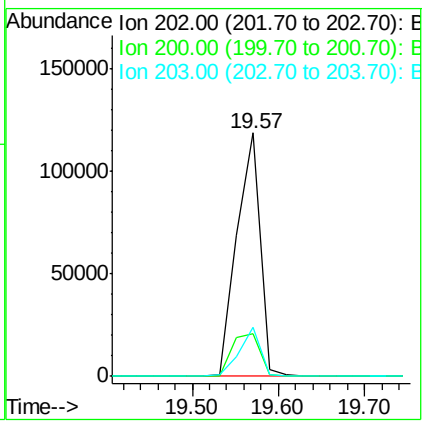




#23
Pyrene
Concen: 2.94 ng
RT: 19.57 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:202 Resp: 222704

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.4	24.6
203	18.3	14.6	21.8



Instrument :
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ClientSampleId :
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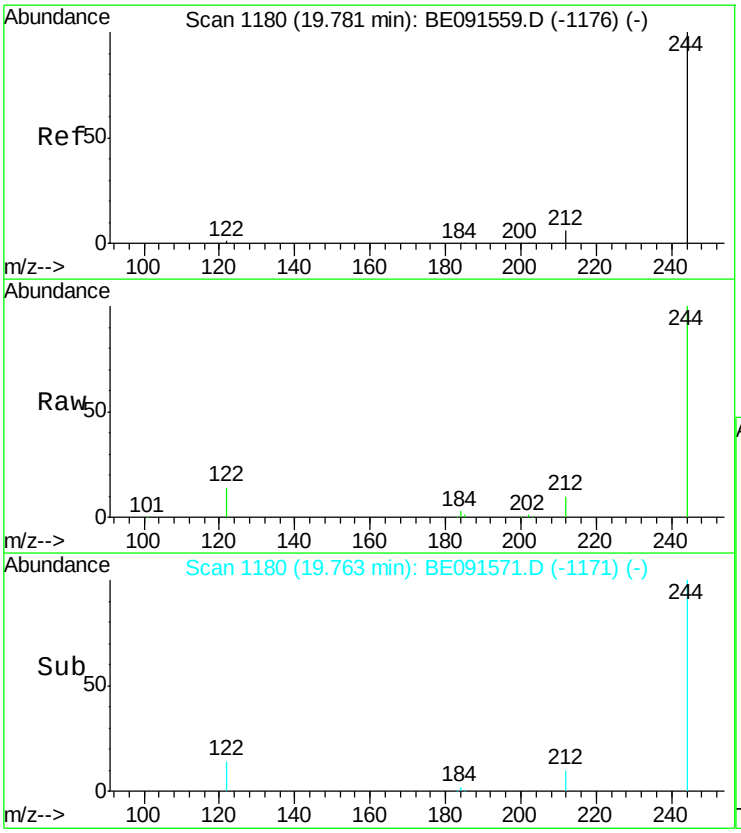
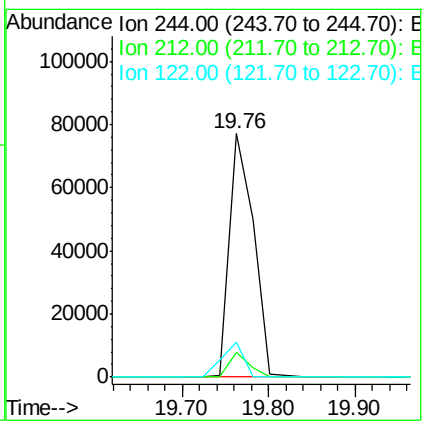
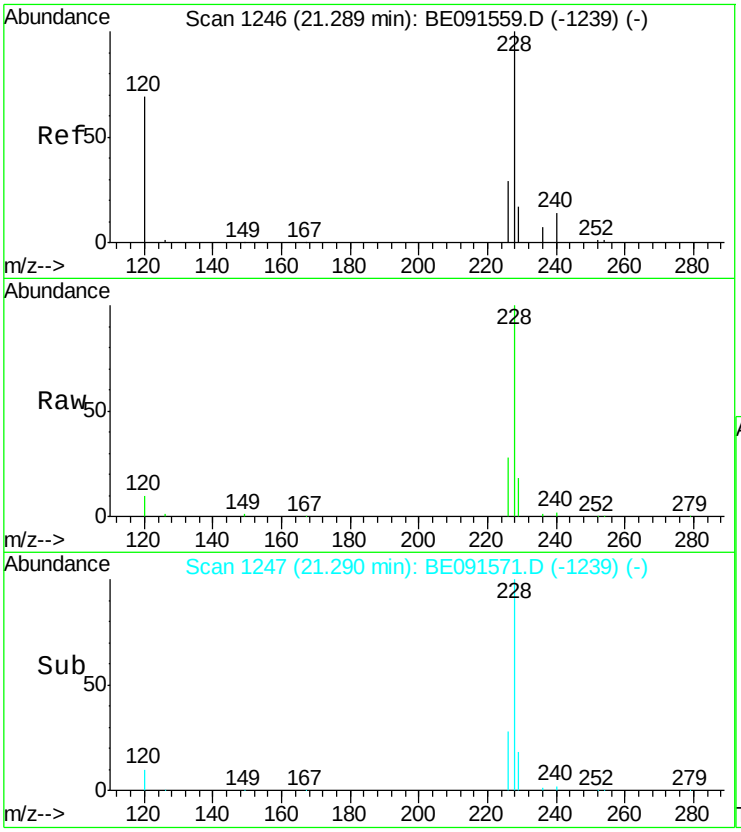


#24
Terphenyl-d14
Concen: 3.16 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:244 Resp: 148915

Ion	Ratio	Lower	Upper
244	100		
212	10.0	5.8	8.8#
122	14.1	1.8	2.8#

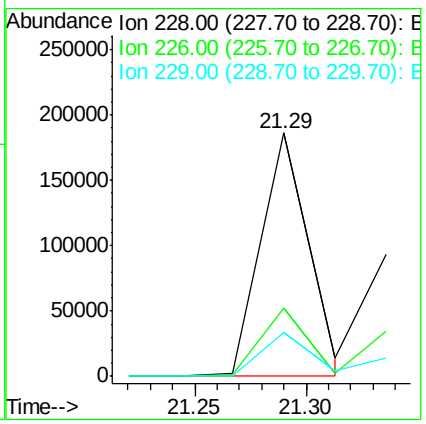




#25
Benzo(a)anthracene
Concen: 3.20 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:228 Resp: 279331

Ion	Ratio	Lower	Upper
228	100		
226	27.8	24.0	36.0
229	18.1	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
PB89278BSD

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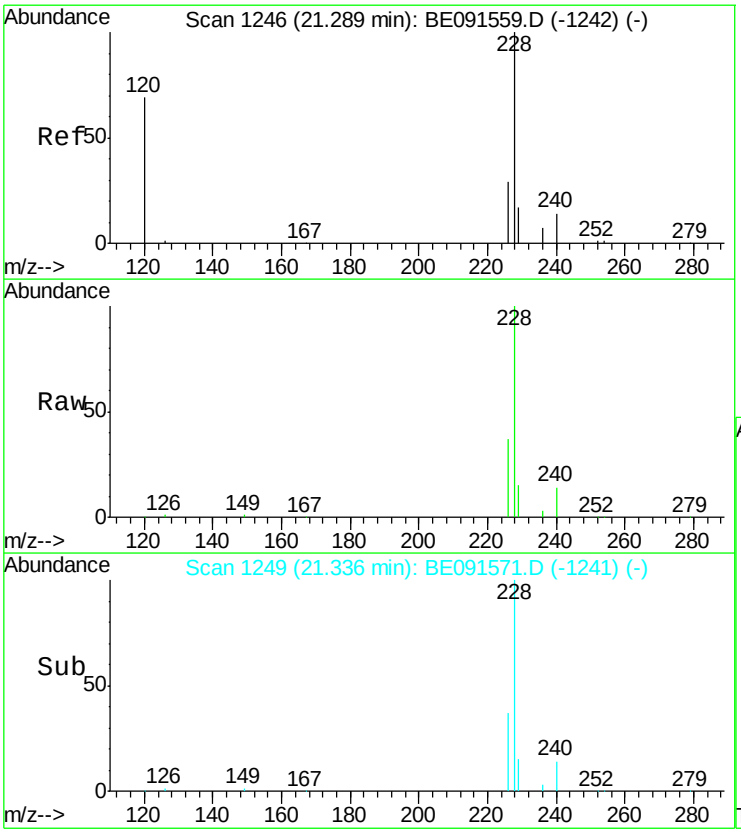
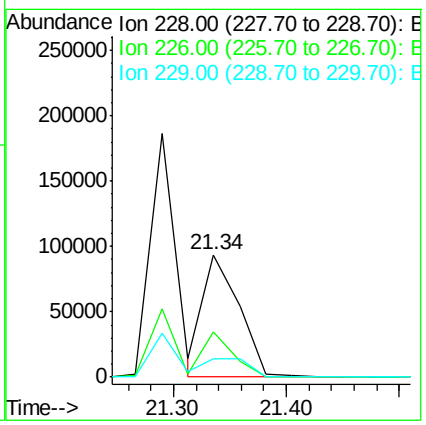
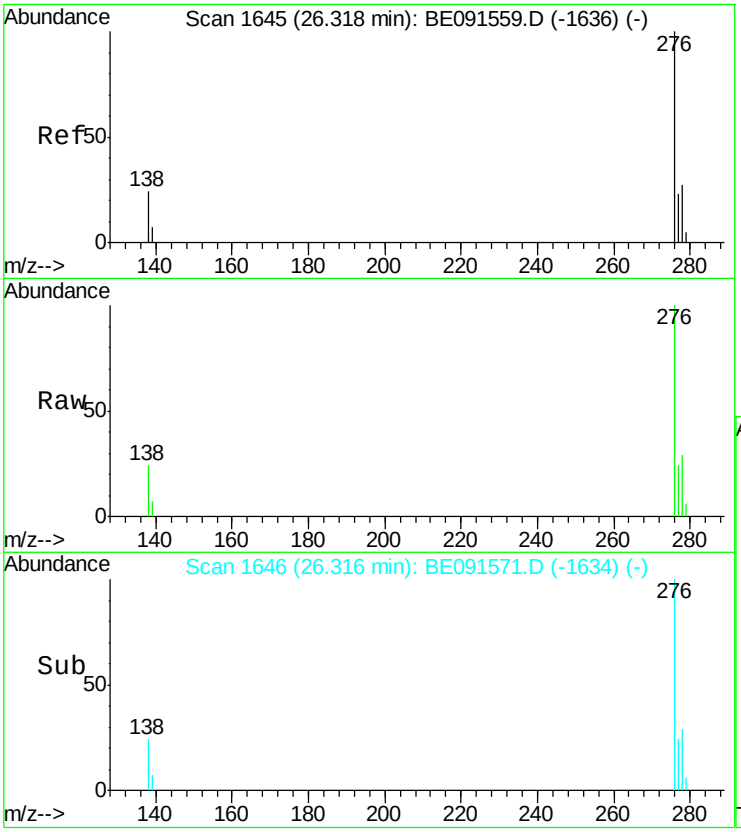


#26
Chrysene
Concen: 2.82 ng m
RT: 21.34 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:228 Resp: 210543

Ion	Ratio	Lower	Upper
228	100		
226	37.4	18.9	28.3#
229	15.2	19.1	28.7#

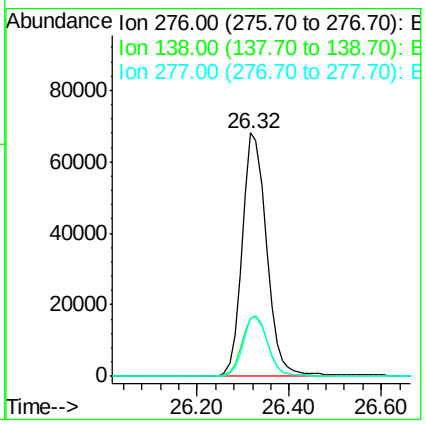




#27
Indeno(1,2,3-cd)pyrene
Concen: 2.91 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.06 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:276 Resp: 250061

Ion	Ratio	Lower	Upper
276	100		
138	26.1	20.2	30.4
277	24.9	19.8	29.8



Instrument :
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ClientSampleId :
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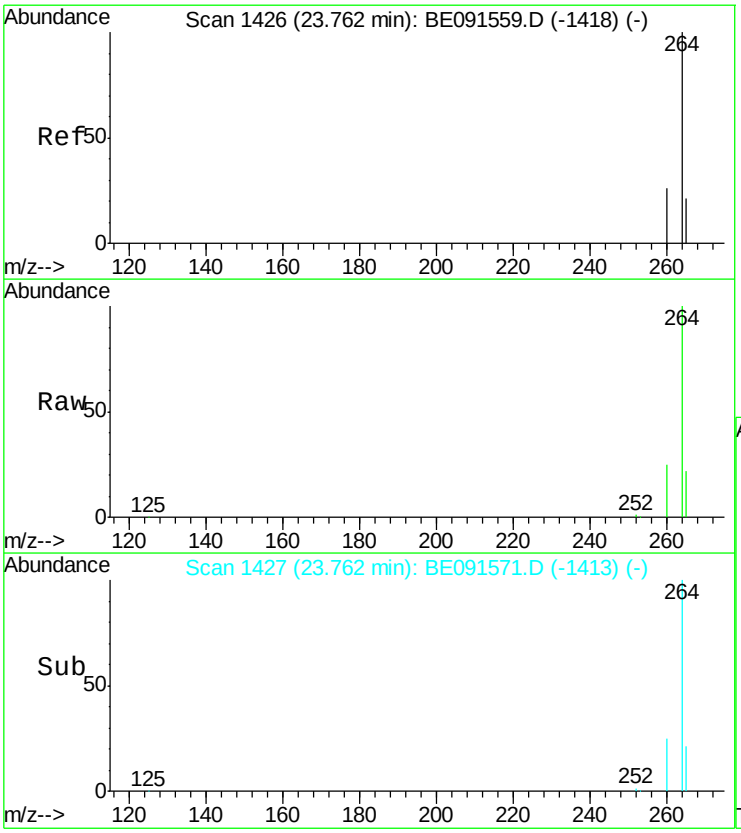
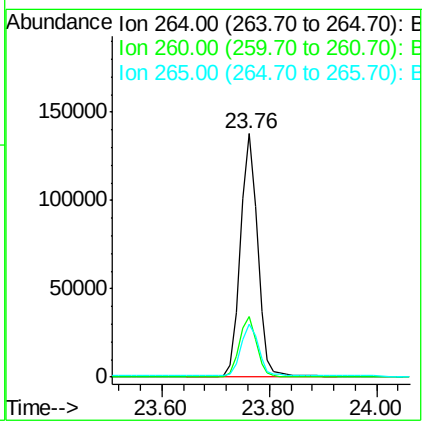
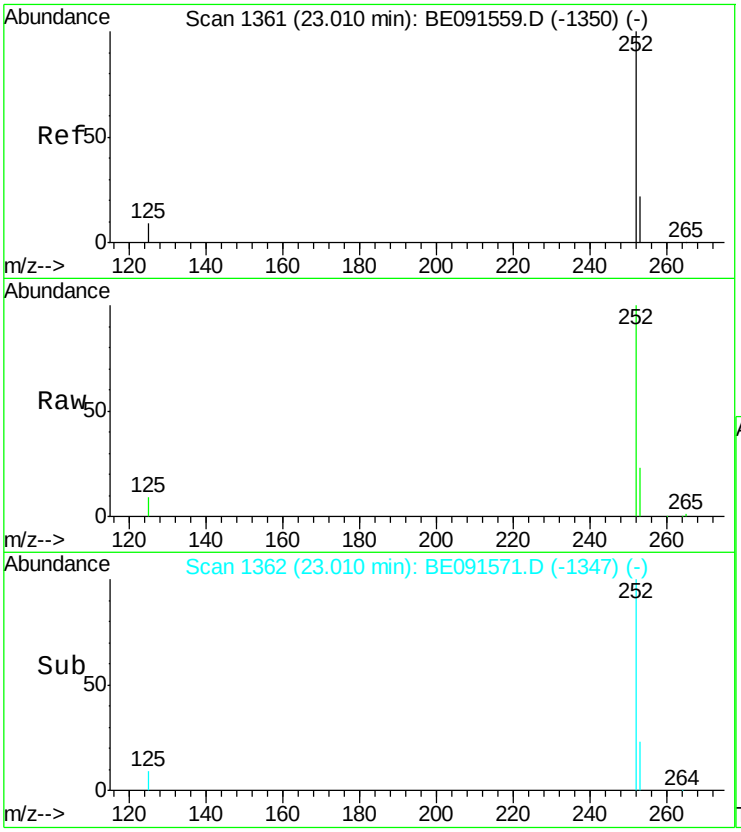


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:264 Resp: 304284

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.9	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 3.29 ng
RT: 23.01 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:252 Resp: 242679

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.7	28.1
125	9.5	9.8	14.6#

Instrument :
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ClientSampleId :
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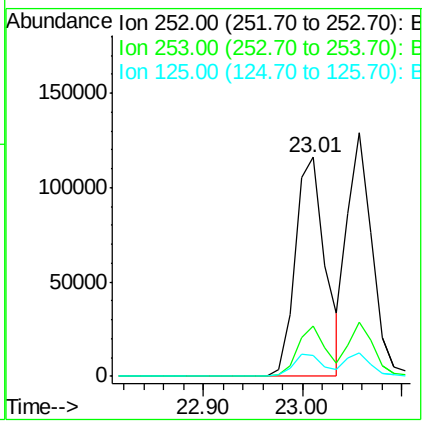
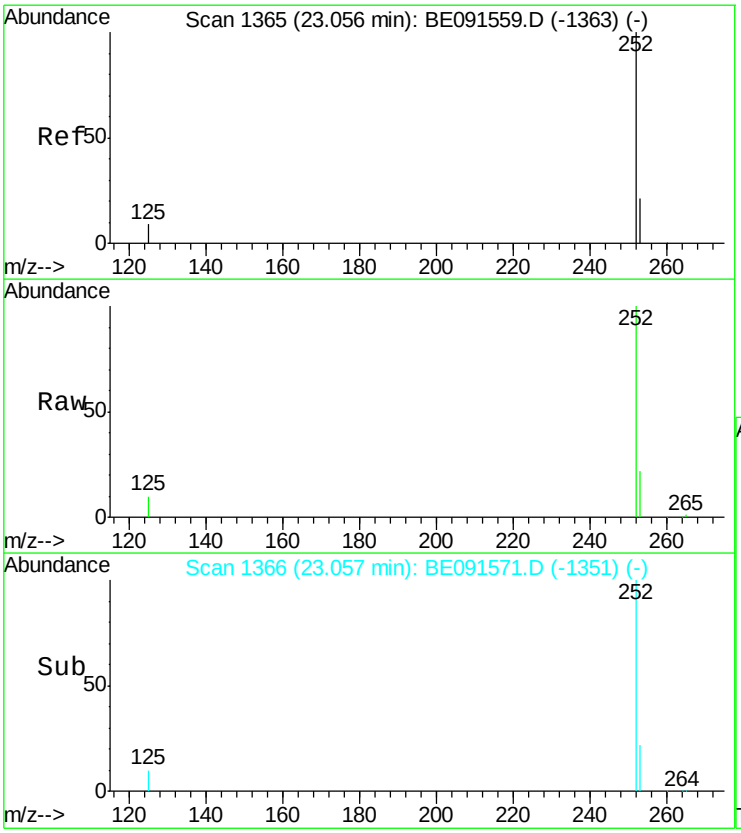
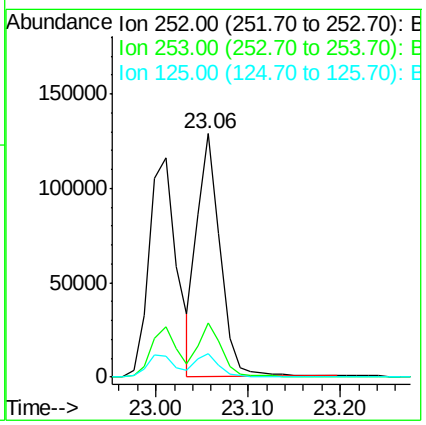


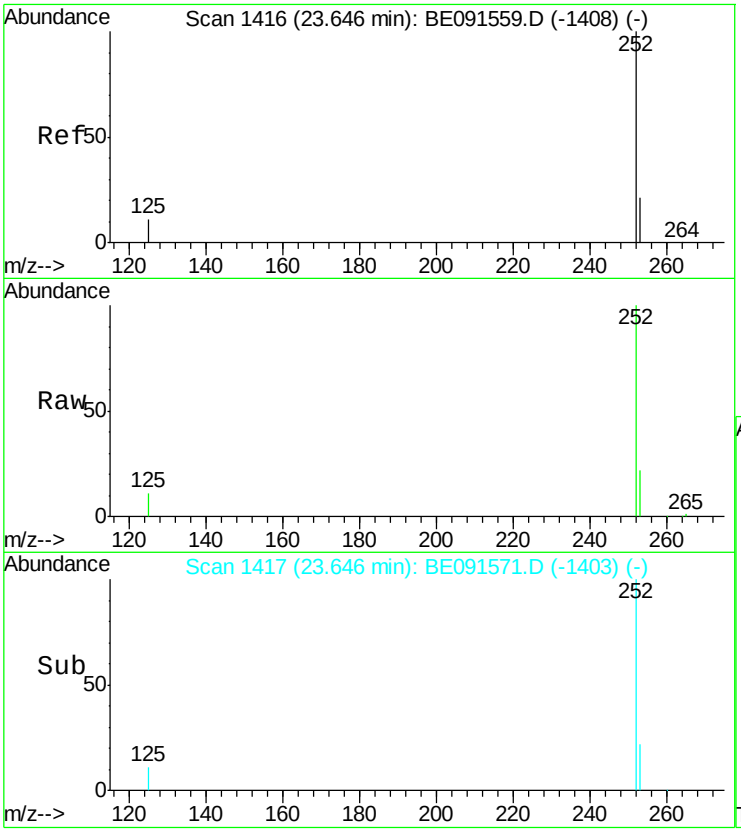


#30
Benzo(k)fluoranthene
Concen: 3.12 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:252 Resp: 222581

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.2	30.4
125	9.7	9.4	14.2





#31
Benzo(a)pyrene
Concen: 3.22 ng
RT: 23.65 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:252 Resp: 217026

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.4	29.0
125	11.0	11.4	17.2#

Instrument :
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ClientSampleId :
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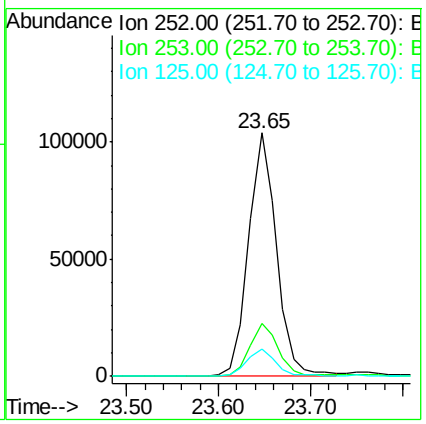
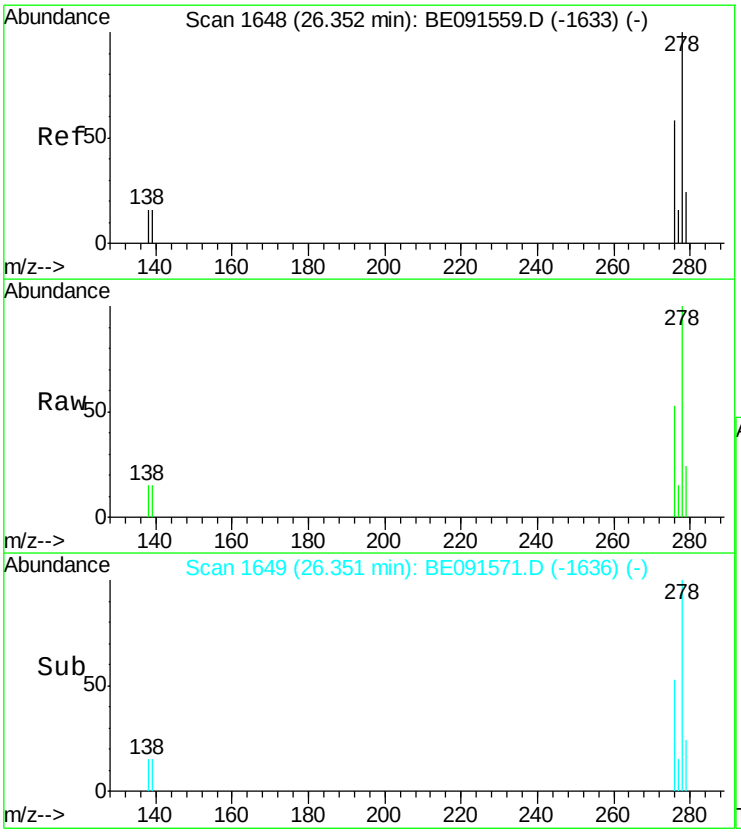
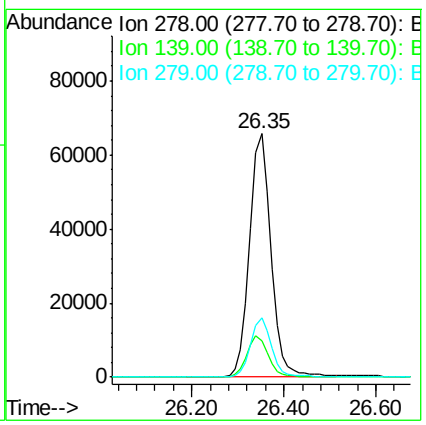


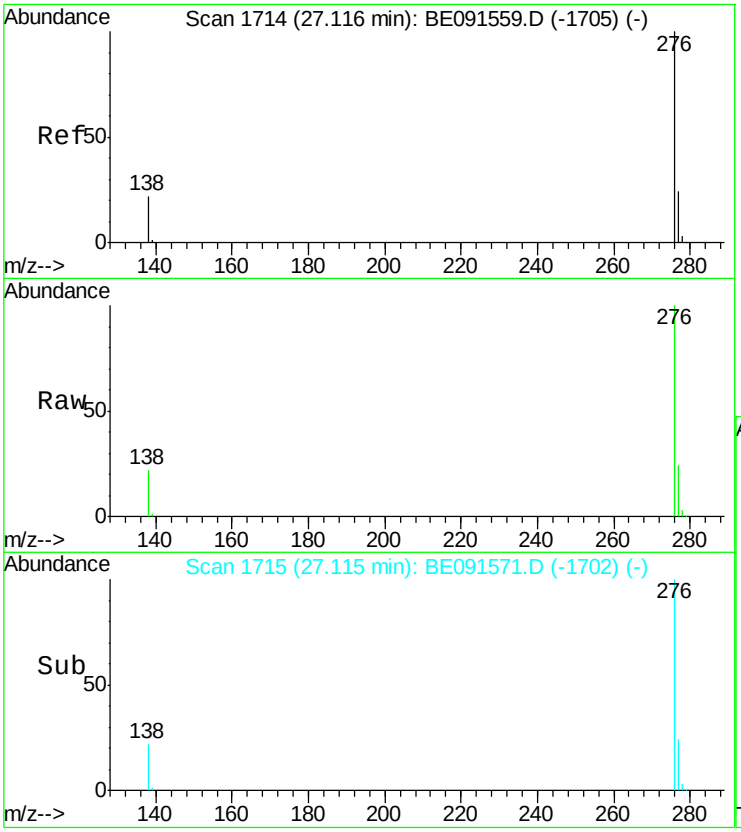


#32
Dibenzo(a,h)anthracene
Concen: 3.19 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.05 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:278 Resp: 211452

Ion	Ratio	Lower	Upper
278	100		
139	15.1	14.2	21.4
279	24.2	19.6	29.4

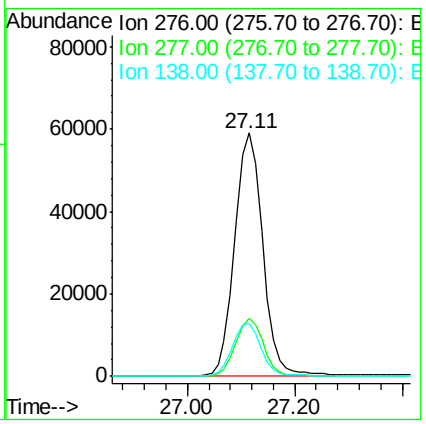




#33
Benzo(g,h,i)perylene
Concen: 3.15 ng
RT: 27.11 min Scan# 1715
Delta R.T. -0.05 min
Lab File: BE091571.D
Acq: 31 Mar 2016 1:42

Tgt Ion:276 Resp: 213250

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.2
138	21.8	18.2	27.4



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