Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE040116\
Data File : BE091583.D
Acq On : 31 Mar 2016 14:07
Operator : UM/SJ
Sample : H1824-05
Misc : LOD WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-WATER2016-01

Manual Integrations APPROVED
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4/1/2016 9:39:26 PM

Quant Time: Apr 01 00:58:15 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	37007	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	173460	5.00	ng		0.00
10) Acenaphthene-d10	14.42	164	104917	5.00	ng		-0.03
16) Phenanthrene-d10	17.16	188	258588	5.00	ng		-0.01
22) Chrysene-d12	21.31	240	372404	5.00	ng		-0.02
28) Perylene-d12	23.76	264	315341	5.00	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	66271	6.84	ng		-0.02
5) Phenol-d6	6.97	99	94982	7.25	ng		-0.02
7) Nitrobenzene-d5	8.96	82	42621	3.66	ng		-0.02
11) 2,4,6-Tribromophenol	15.91	330	30881	6.64	ng		-0.01
12) 2-Fluorobiphenyl	13.05	172	118360	3.97	ng		-0.02
24) Terphenyl-d14	19.76	244	188880	4.00	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	9298	2.08	ng		95
3) n-Nitrosodimethylamine	3.64	42	13780	2.05	ng	#	95
8) Naphthalene	10.63	128	76383	2.13	ng		96
9) 2-Methylnaphthalene	12.24	142	53592	2.29	ng	#	86
13) Acenaphthylene	14.14	152	94242	2.23	ng		100
14) Acenaphthene	14.49	154	59976	2.31	ng		96
15) Fluorene	15.47	166	74649	2.24	ng		100
17) Hexachlorobenzene	16.46	284	21718	2.28	ng		98
18) Pentachlorophenol	16.79	266	25150	4.71	ng		86
19) Phenanthrene	17.20	178	139362	2.30	ng		99
20) Anthracene	17.29	178	129291	2.32	ng		100
21) Fluoranthene	19.20	202	168709	2.36	ng		99
23) Pyrene	19.57	202	172955	2.28	ng		100
25) Benzo(a)anthracene	21.29	228	200886m	2.30	ng		
26) Chrysene	21.36	228	162738m	2.18	ng		
27) Indeno(1,2,3-cd)pyrene	26.33	276	199407	2.31	ng		99
29) Benzo(b)fluoranthene	23.01	252	188547m	2.47	ng		
30) Benzo(k)fluoranthene	23.06	252	174918	2.36	ng		94
31) Benzo(a)pyrene	23.65	252	168935	2.42	ng		94
32) Dibenzo(a,h)anthracene	26.35	278	166250	2.42	ng		97
33) Benzo(g,h,i)perylene	27.10	276	167778	2.40	ng		99

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

Quantitation Report (QT Reviewed)

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Data File : BE091583.D
Acq On : 31 Mar 2016 14:07
Operator : UM/SJ
Sample : H1824-05
Misc : LOD WATER
ALS Vial : 7 Sample Multiplier: 1

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Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

Manual Integrations APPROVED
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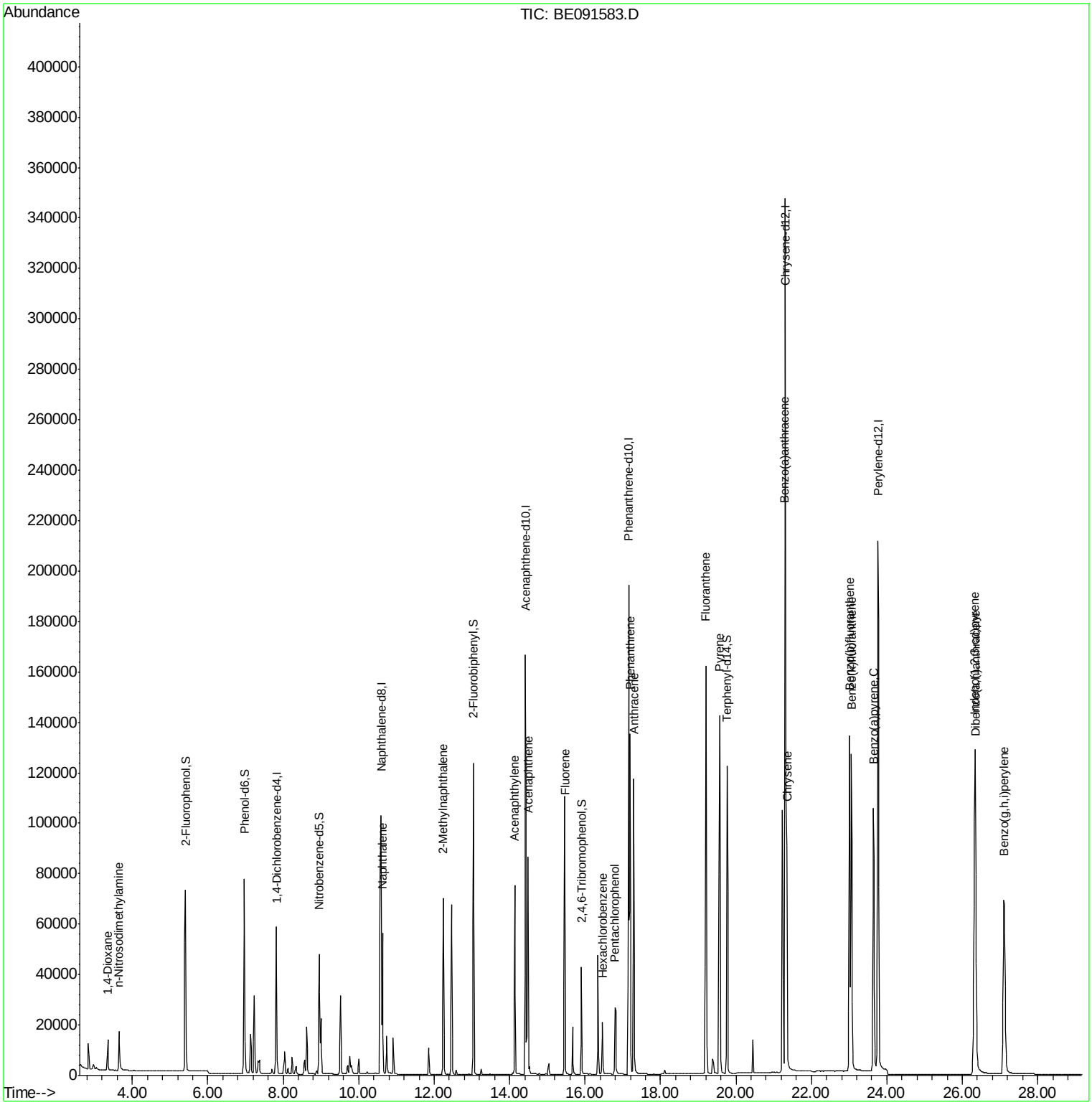
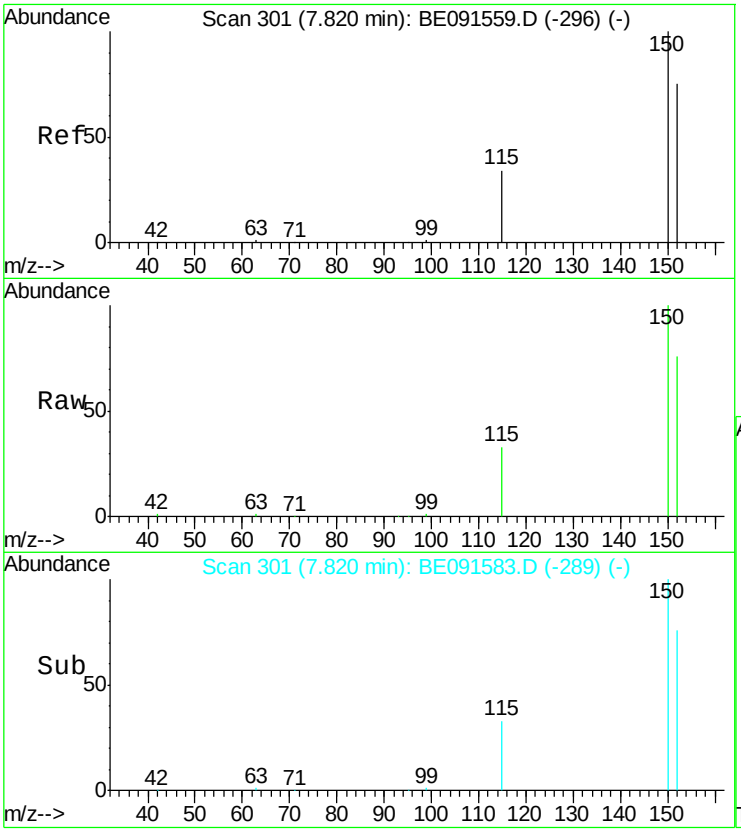
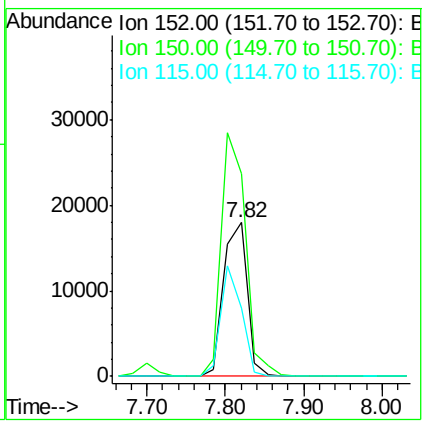




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:152 Resp: 37007

Ion	Ratio	Lower	Upper
152	100		
150	132.0	122.2	183.2
115	44.1	45.9	68.9#



Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

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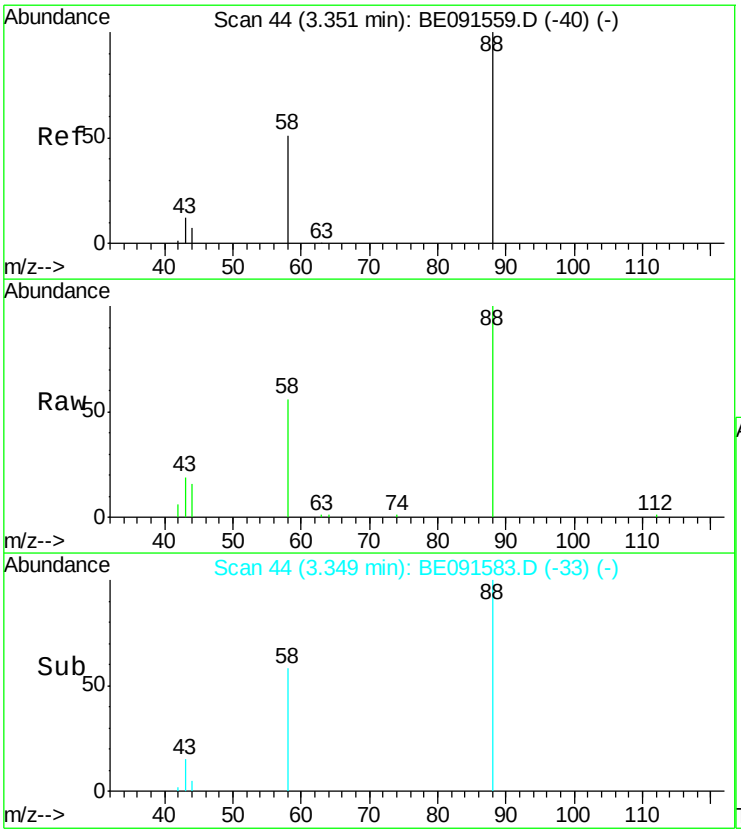
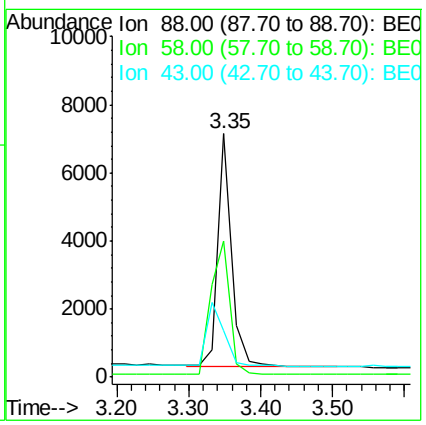
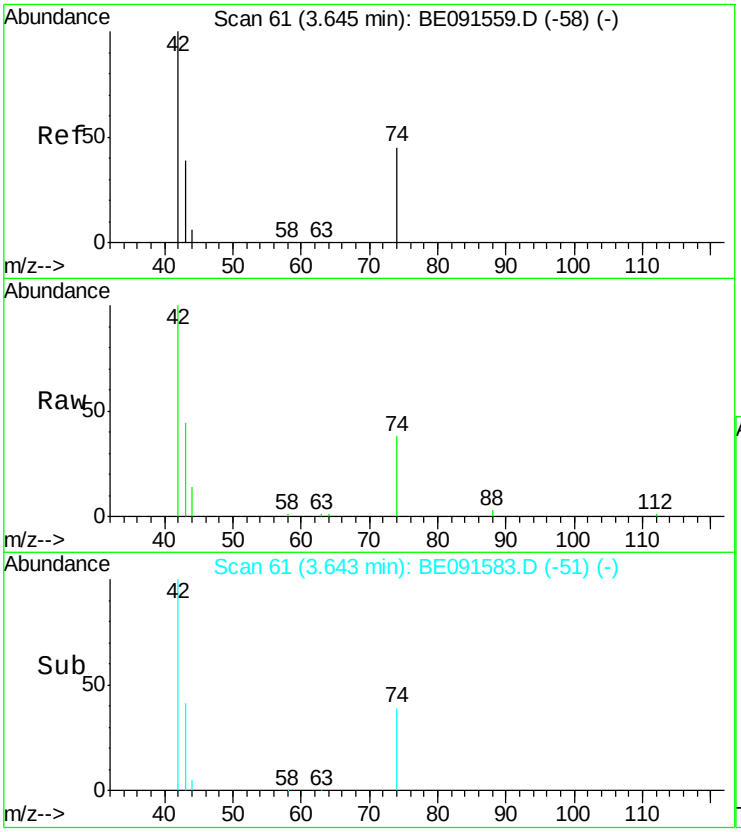


#2
1,4-Dioxane
Concen: 2.08 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion: 88 Resp: 9298

Ion	Ratio	Lower	Upper
88	100		
58	79.0	61.0	91.6
43	36.1	25.4	38.2





#3
n-Nitrosodimethylamine
Concen: 2.05 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion: 42 Resp: 13780

Ion	Ratio	Lower	Upper
42	100		
74	100.1	84.3	126.5
44	6.4	6.7	10.1#

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

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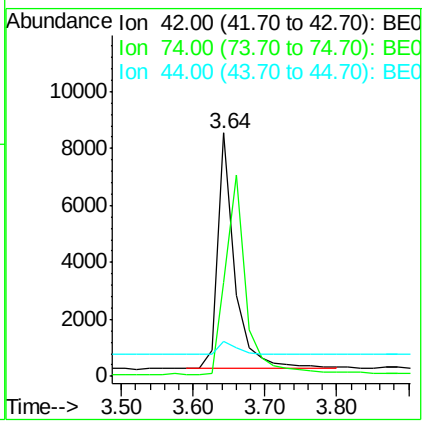
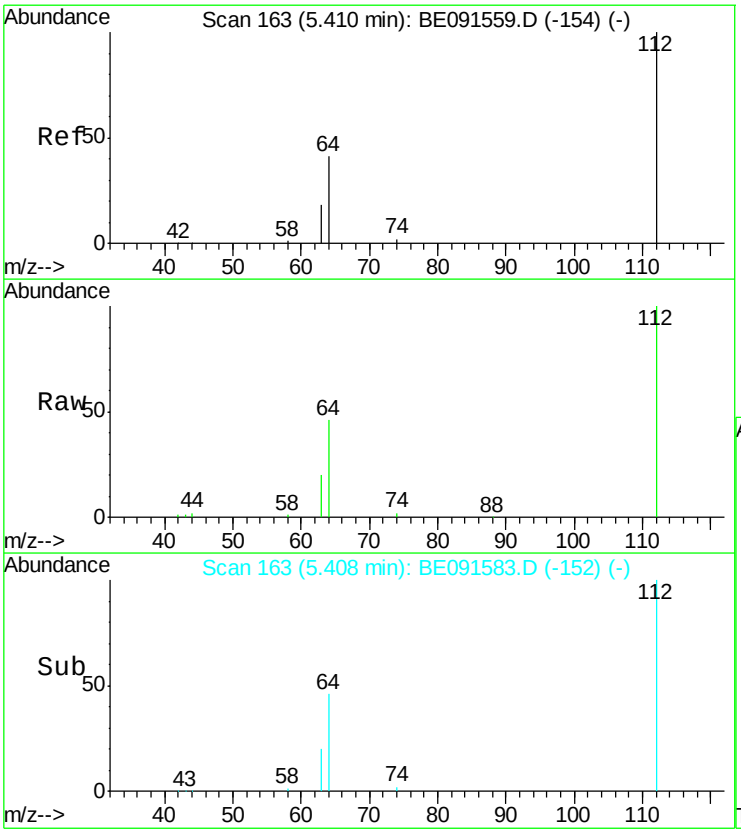
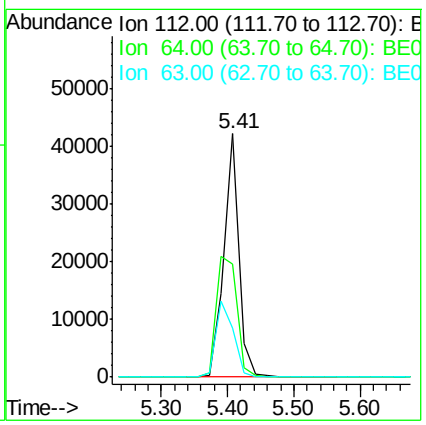


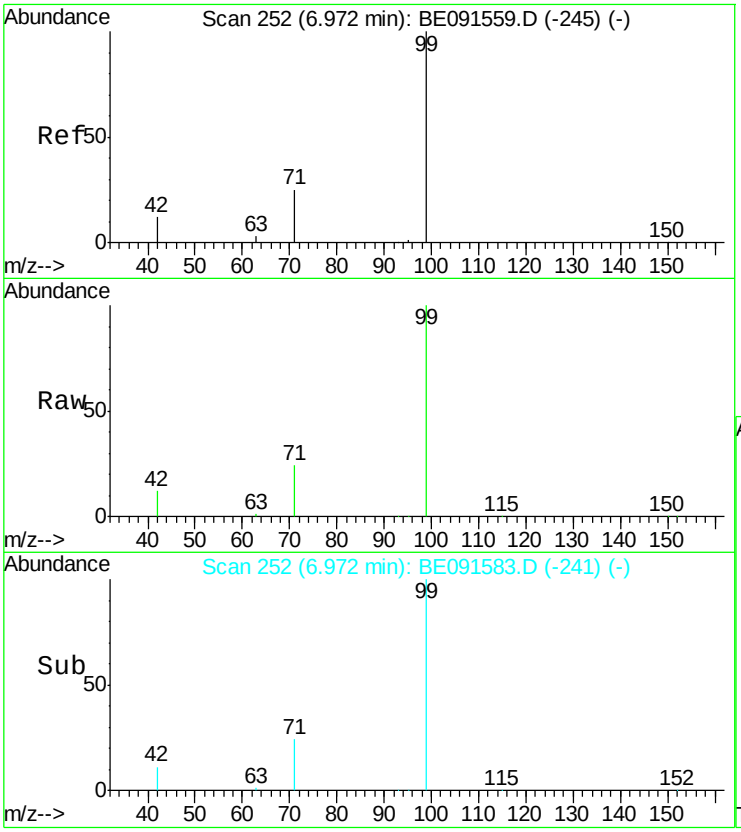


#4
2-Fluorophenol
Concen: 6.84 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:112 Resp: 66271

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

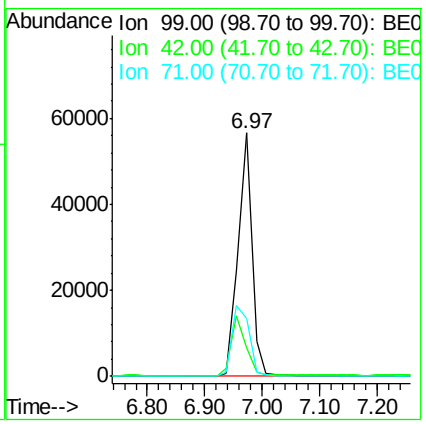




#5
Phenol-d6
Concen: 7.25 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion: 99 Resp: 94982

Ion	Ratio	Lower	Upper
99	100		
42	25.0	20.6	30.8
71	35.6	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

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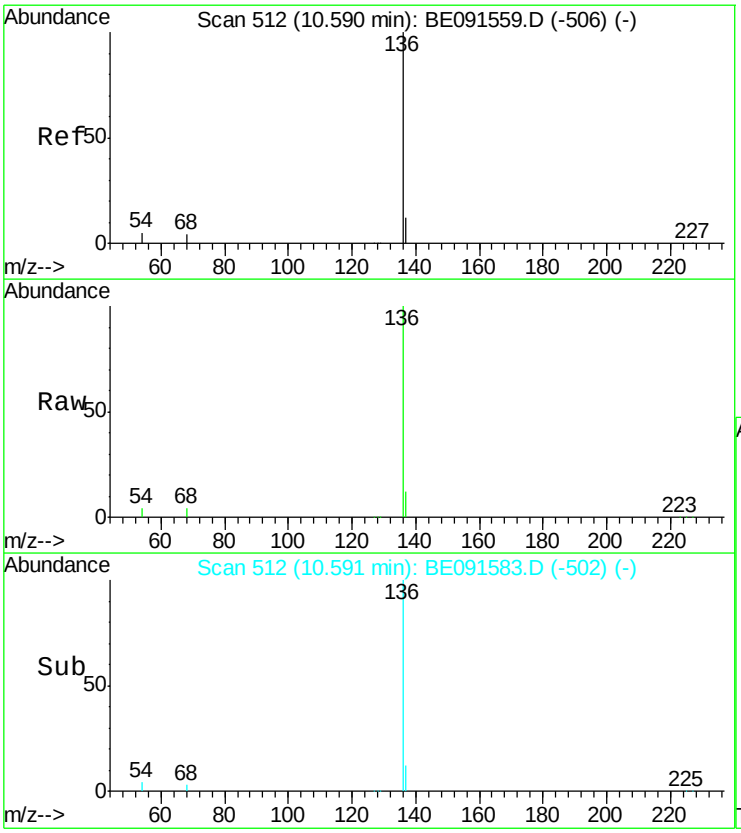
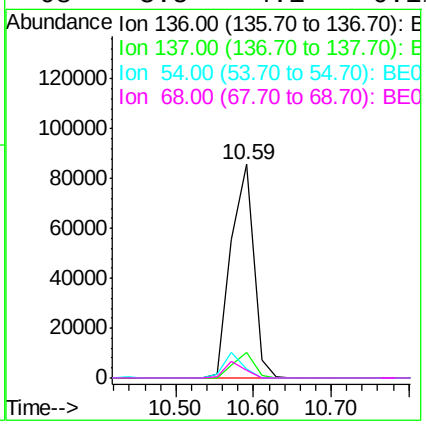
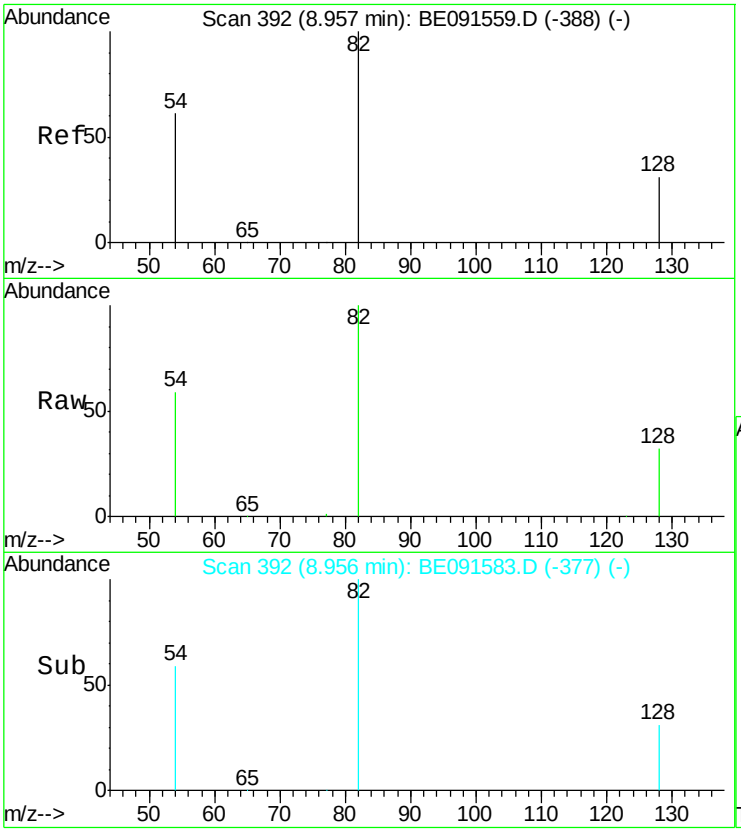


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:136 Resp: 173460

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	4.3	5.2	7.8#
68	3.5	4.1	6.1#

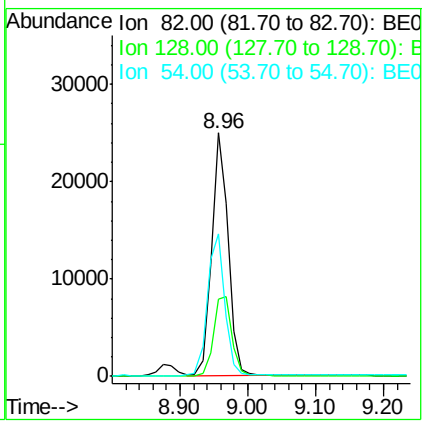




#7
Nitrobenzene-d5
Concen: 3.66 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion: 82 Resp: 42621

Ion	Ratio	Lower	Upper
82	100		
128	31.5	23.5	35.3
54	58.8	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

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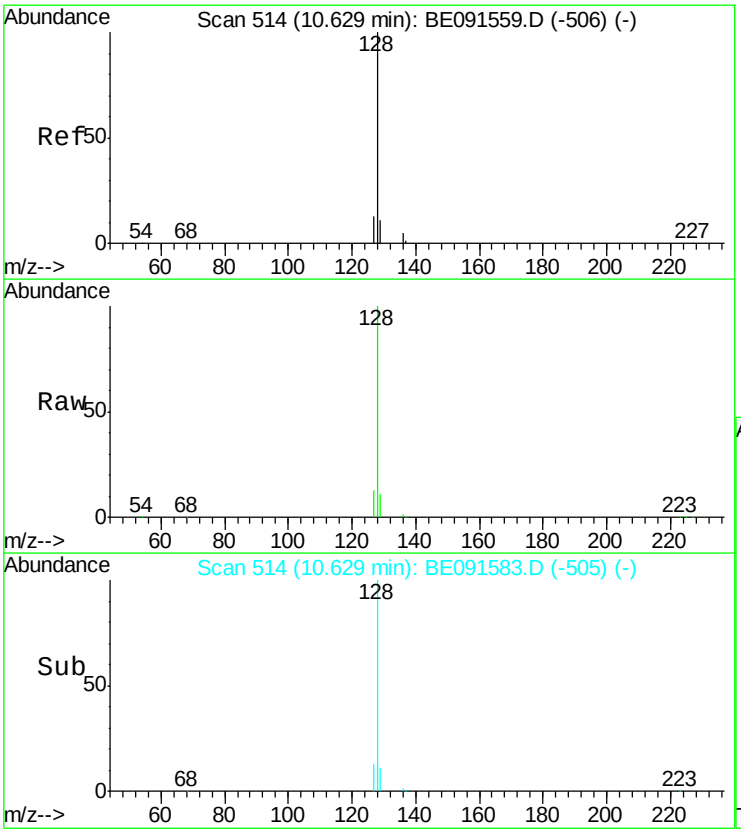
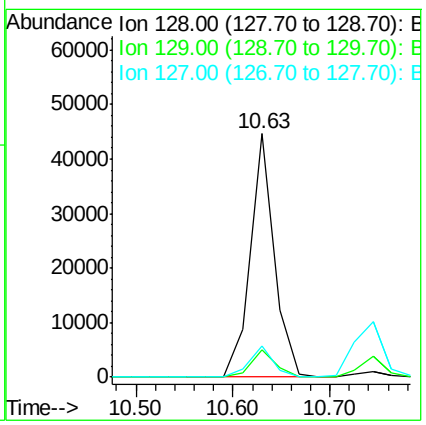
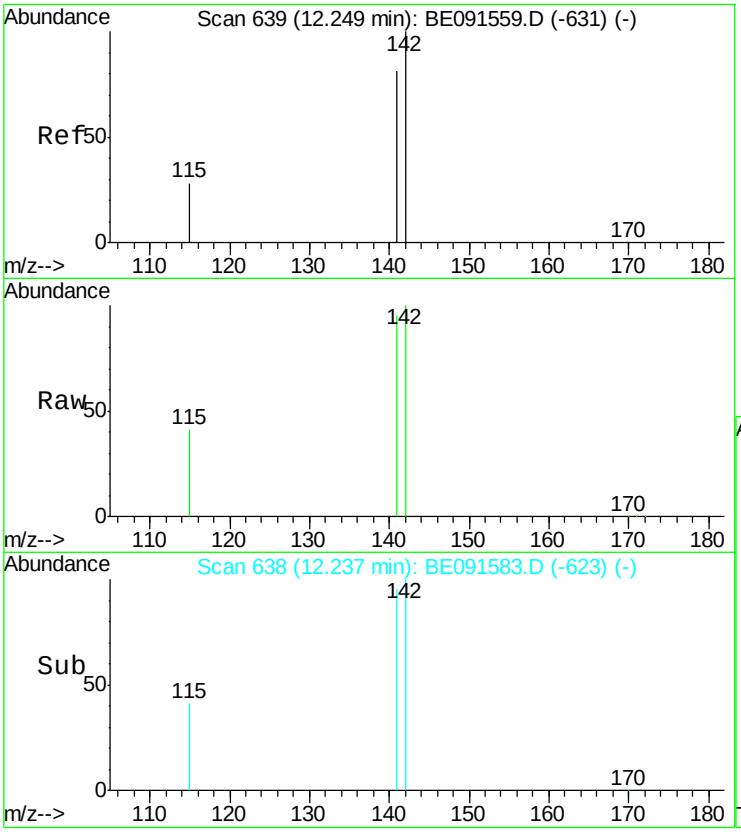


#8
Naphthalene
Concen: 2.13 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:128 Resp: 76383

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.2	12.2
127	13.0	11.8	17.8

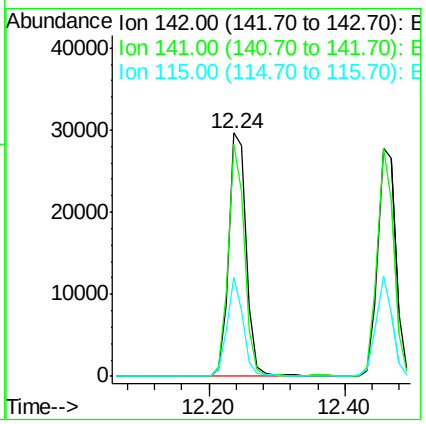




#9
2-Methylnaphthalene
Concen: 2.29 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:142 Resp: 53592

Ion	Ratio	Lower	Upper
142	100		
141	95.1	66.9	100.3
115	40.9	25.1	37.7#



Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

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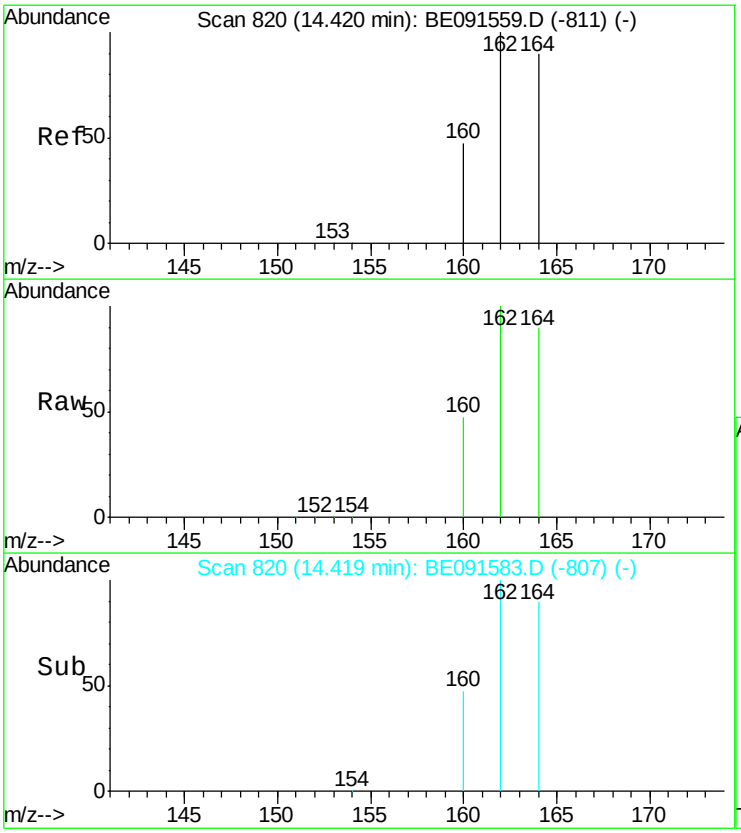
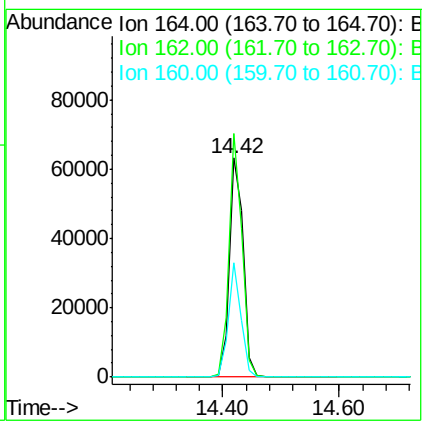
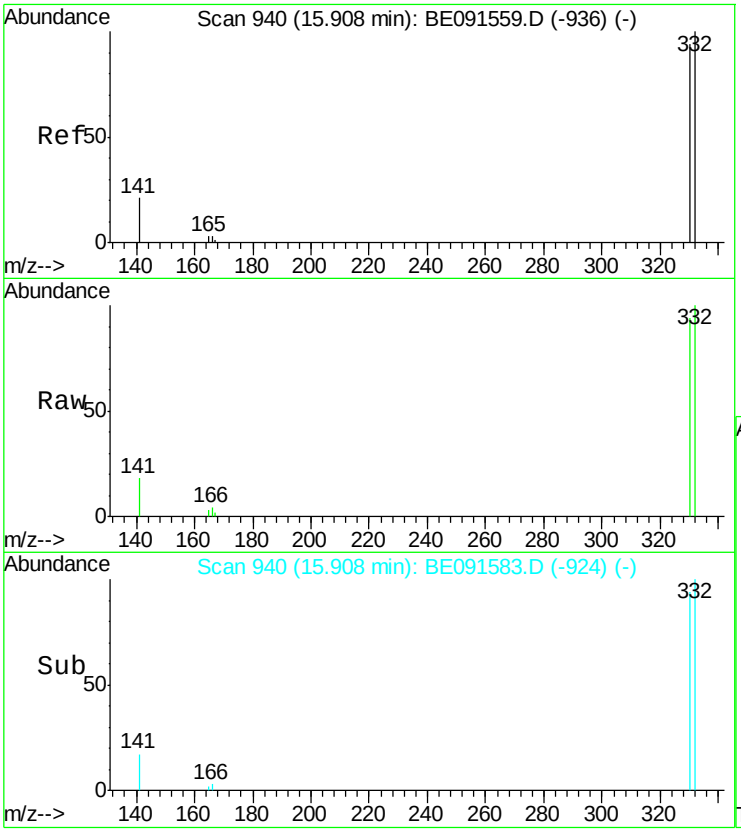


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.03 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:164 Resp: 104917

Ion	Ratio	Lower	Upper
164	100		
162	111.3	84.4	126.6
160	52.0	37.7	56.5





#11
2,4,6-Tribromophenol
Concen: 6.64 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:330 Resp: 30881

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.2	118.8
141	43.1	28.1	42.1#

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

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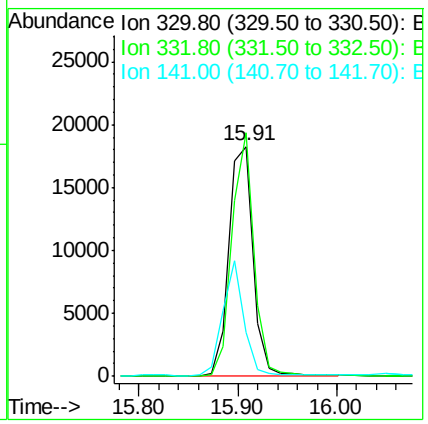
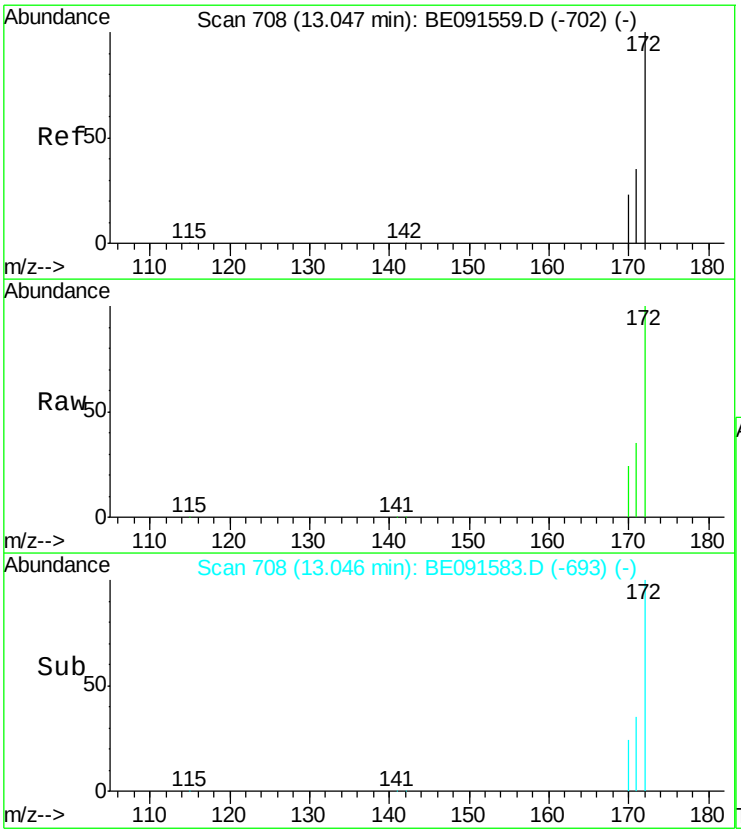
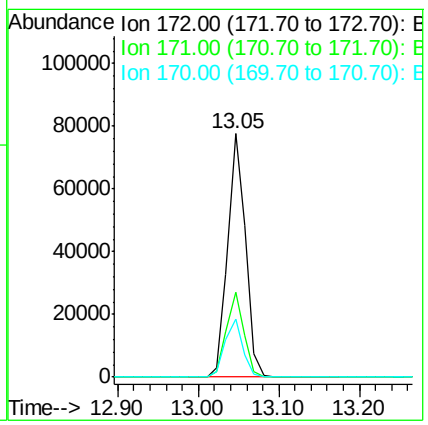


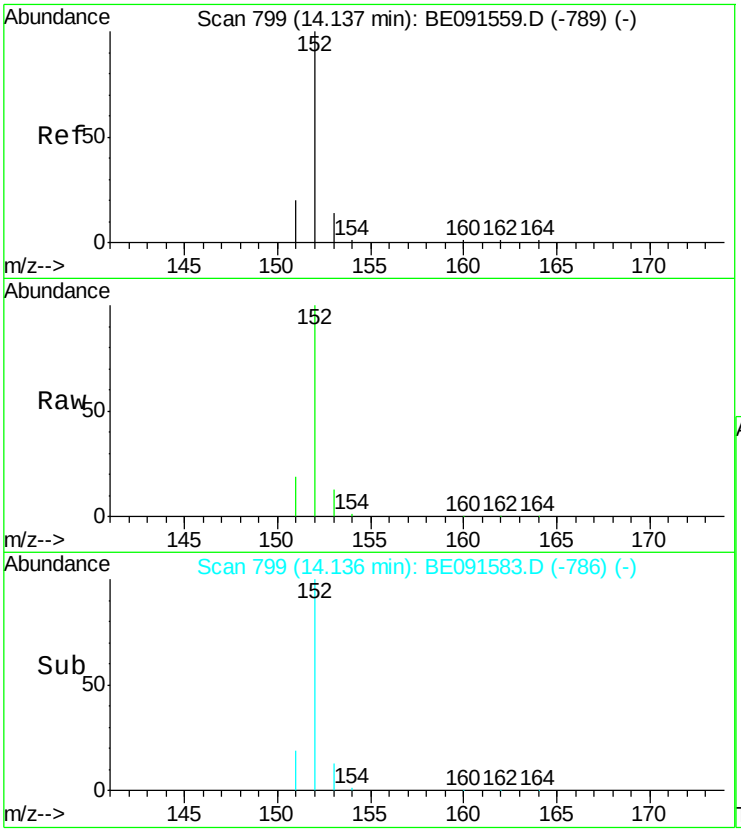


#12
2-Fluorobiphenyl
Concen: 3.97 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:172 Resp: 118360

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.8	44.8
170	23.9	21.4	32.2

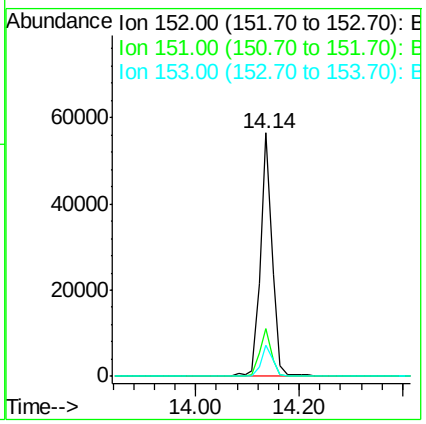




#13
Acenaphthylene
Concen: 2.23 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.01 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:152 Resp: 94242

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.9	11.1	16.7



Instrument :
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LOD-WATER2016-01

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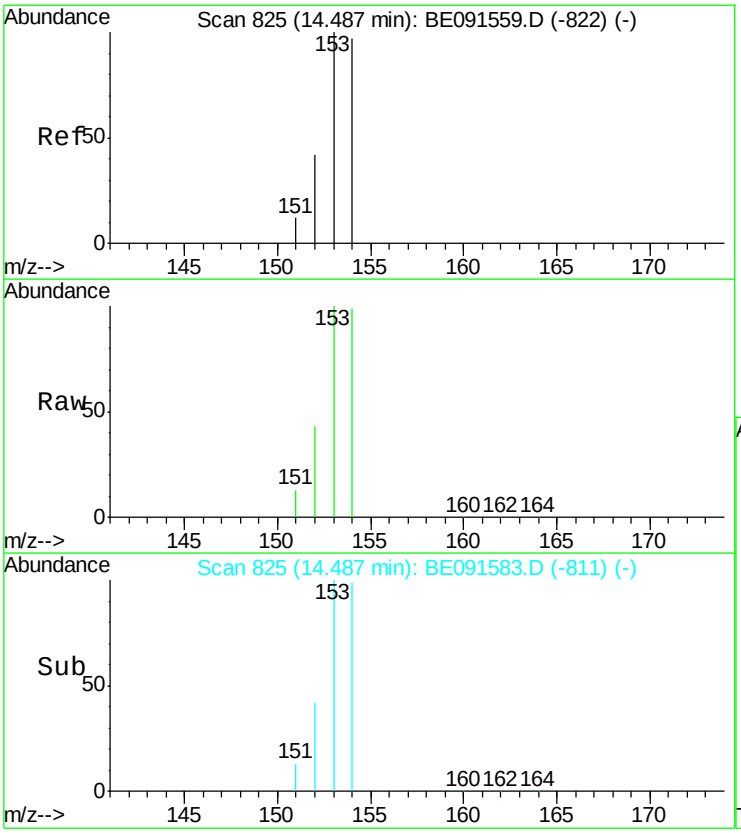
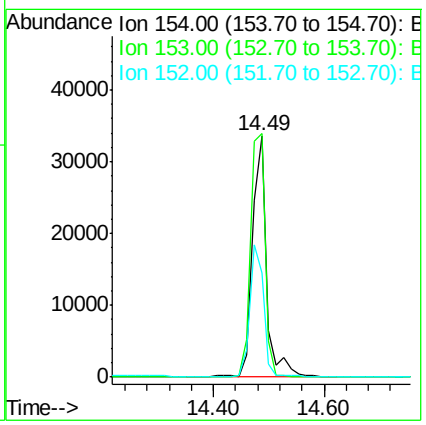
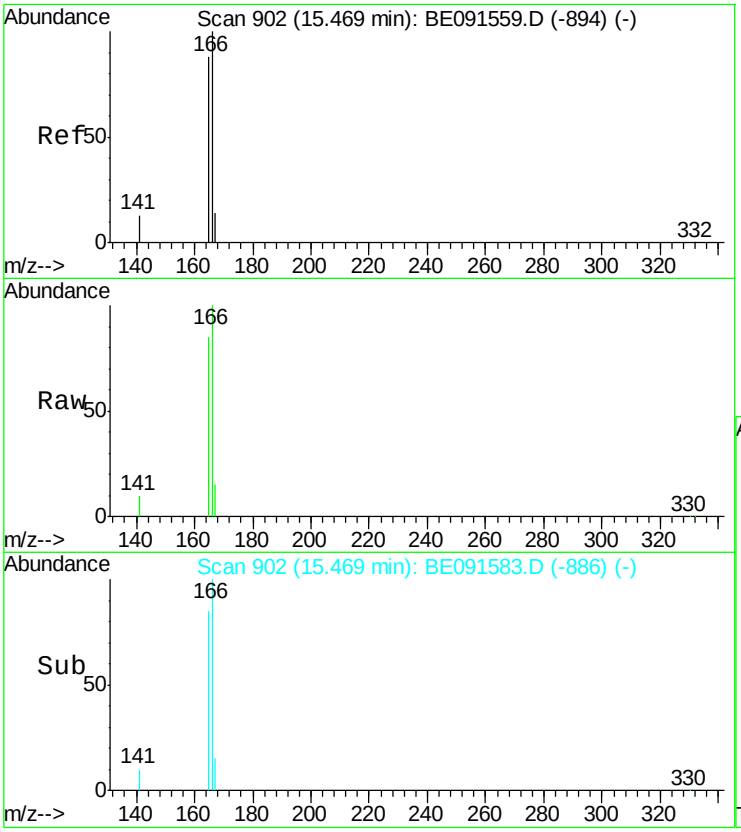


#14
Acenaphthene
Concen: 2.31 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:154 Resp: 59976

Ion	Ratio	Lower	Upper
154	100		
153	104.6	87.3	130.9
152	51.9	42.9	64.3

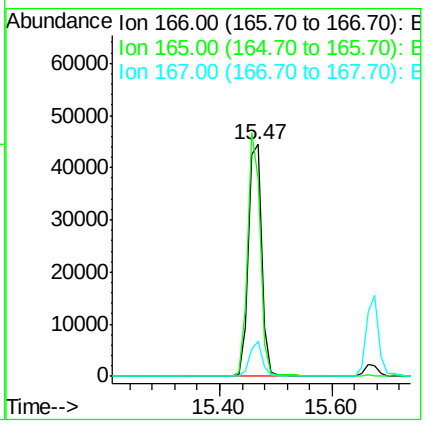




#15
Fluorene
Concen: 2.24 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:166 Resp: 74649

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.2	118.8
167	13.6	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

Manual Integrations APPROVED
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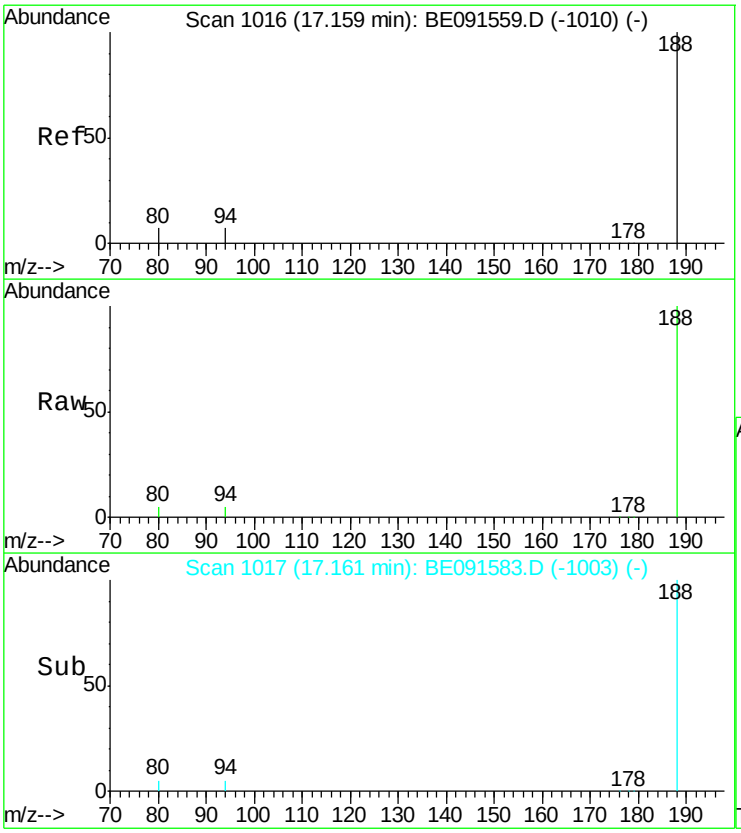
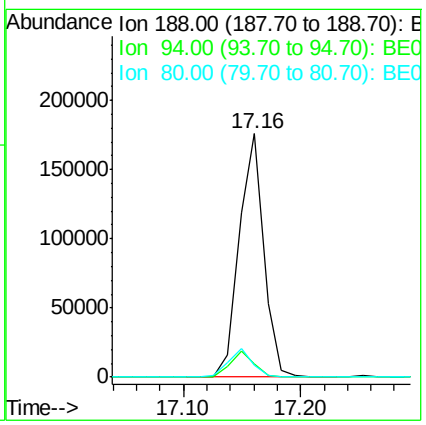
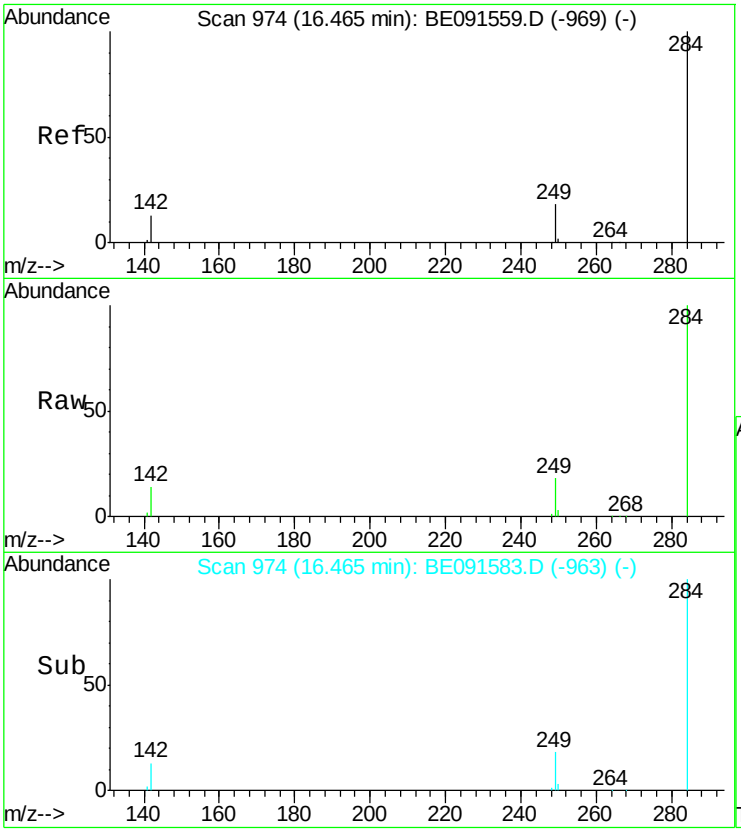


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:188 Resp: 258588

Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.4	8.2
80	4.7	5.0	7.4#

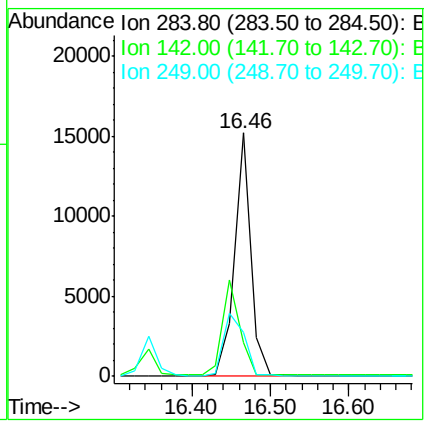




#17
Hexachlorobenzene
Concen: 2.28 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:284 Resp: 21718

Ion	Ratio	Lower	Upper
284	100		
142	41.1	31.0	46.4
249	32.7	25.8	38.8



Instrument :
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ClientSampleId :
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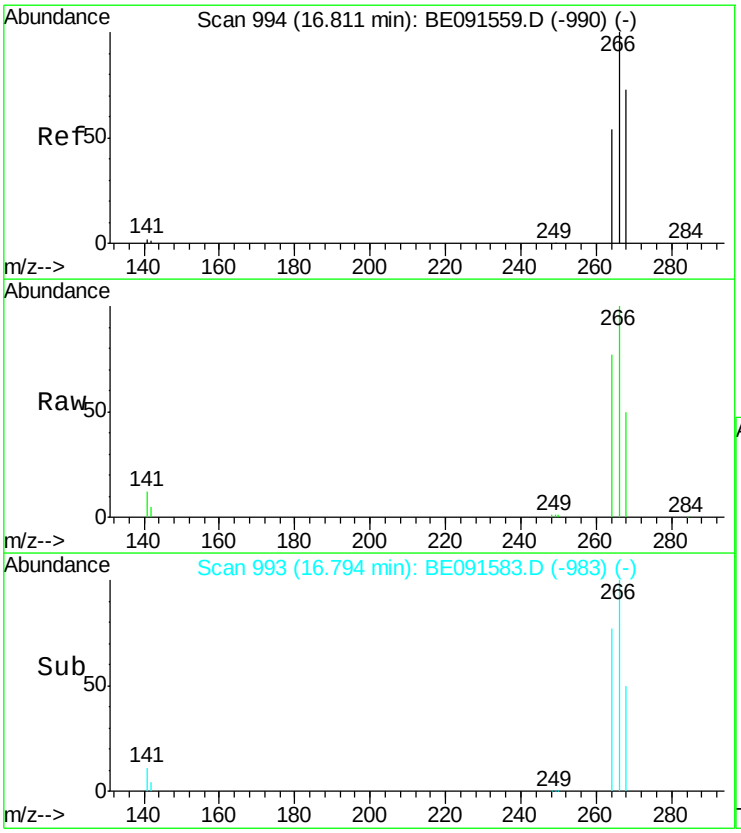
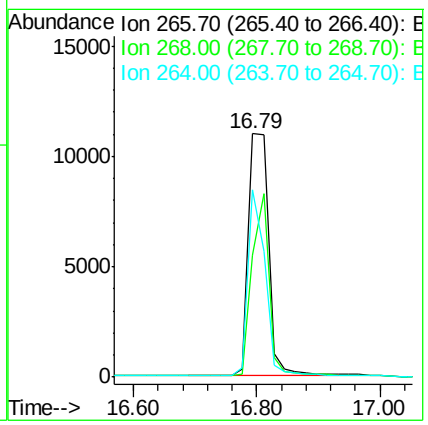
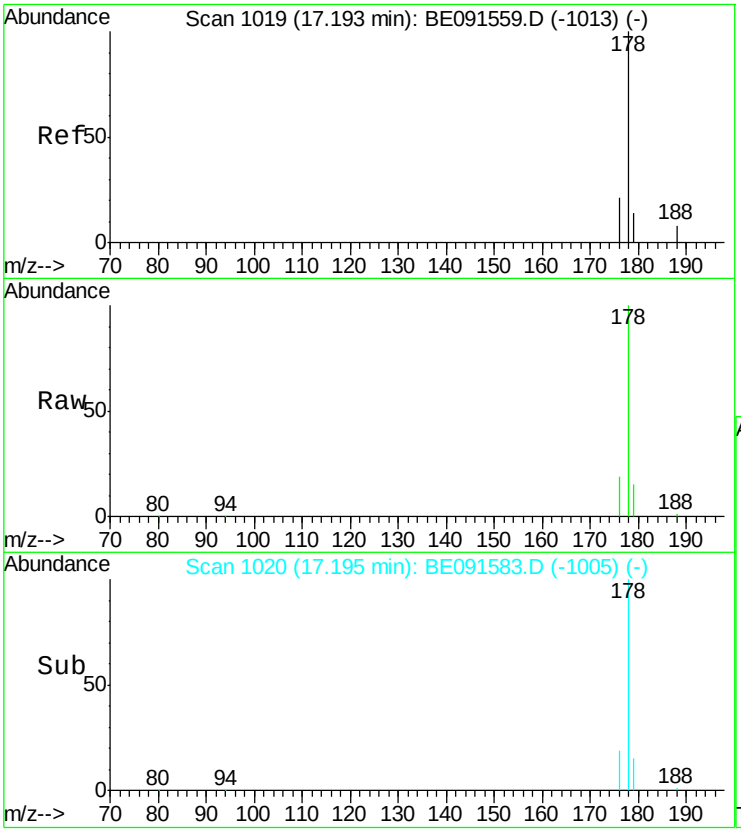


#18
Pentachlorophenol
Concen: 4.71 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.03 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:266 Resp: 25150

Ion	Ratio	Lower	Upper
266	100		
268	50.2	48.2	72.2
264	76.7	52.1	78.1

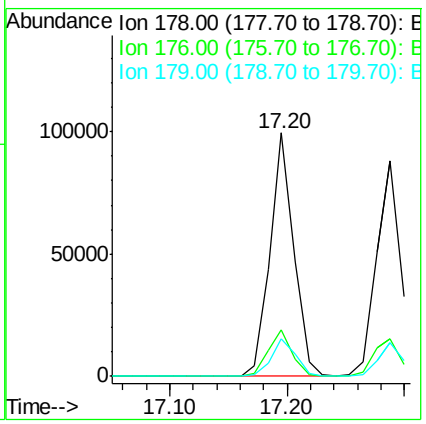




#19
Phenanthrene
Concen: 2.30 ng
RT: 17.20 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:178 Resp: 139362

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



Instrument :
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ClientSampleId :
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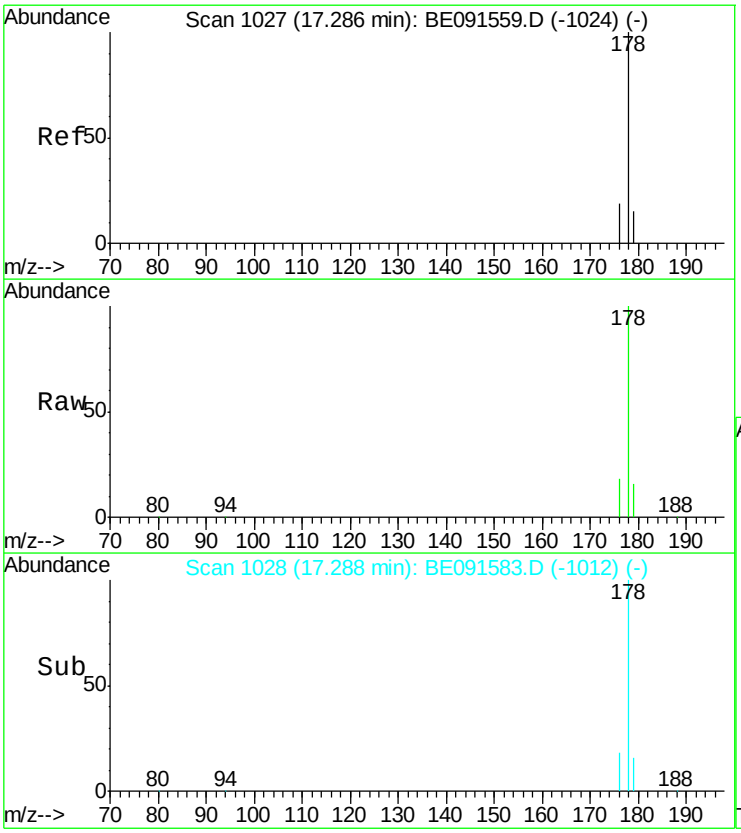
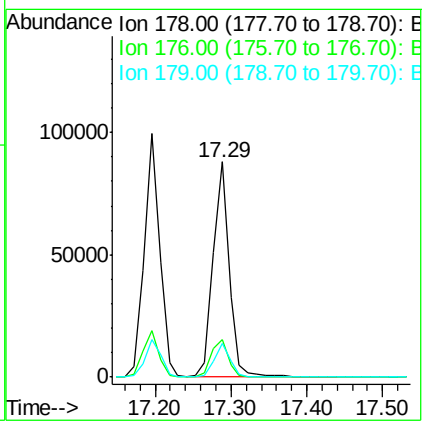
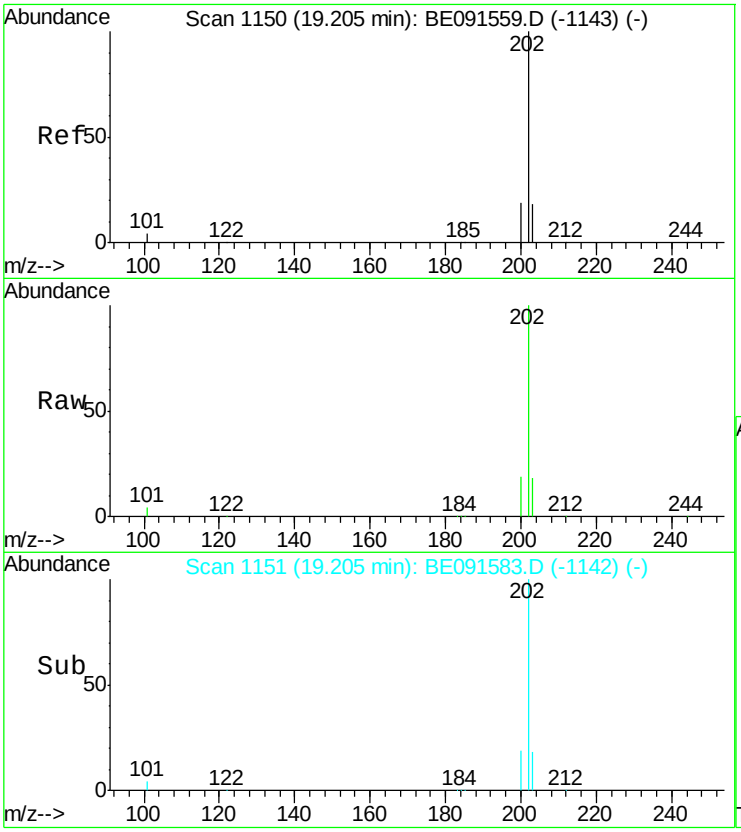


#20
Anthracene
Concen: 2.32 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:178 Resp: 129291

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

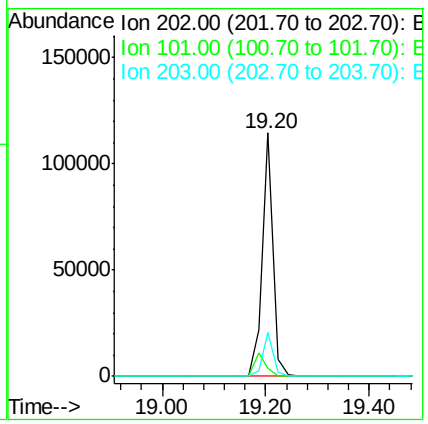




#21
Fluoranthene
Concen: 2.36 ng
RT: 19.20 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:202 Resp: 168709

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.3	12.5
203	17.8	13.9	20.9



Instrument :
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ClientSampleId :
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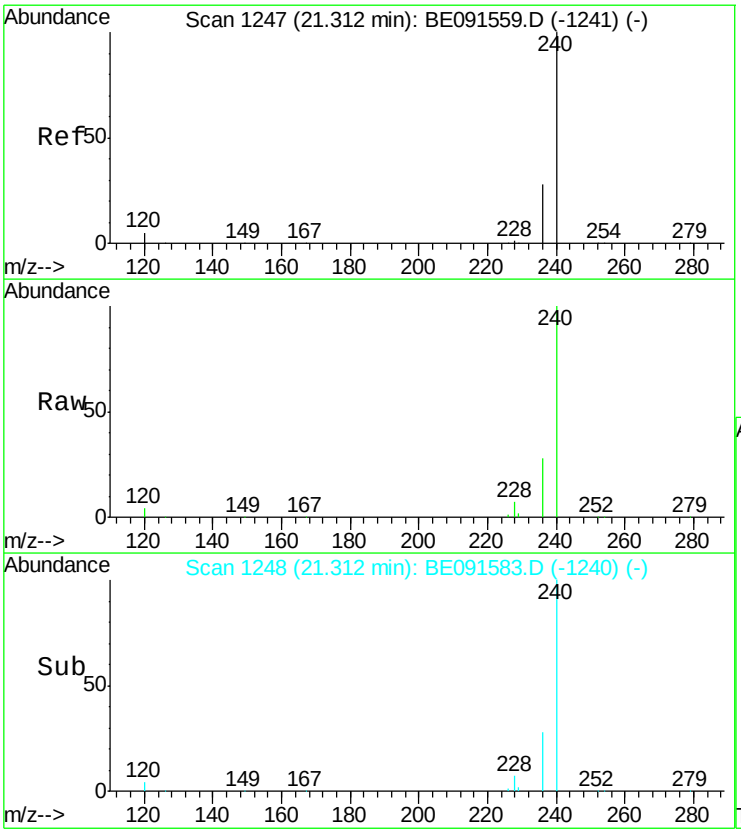
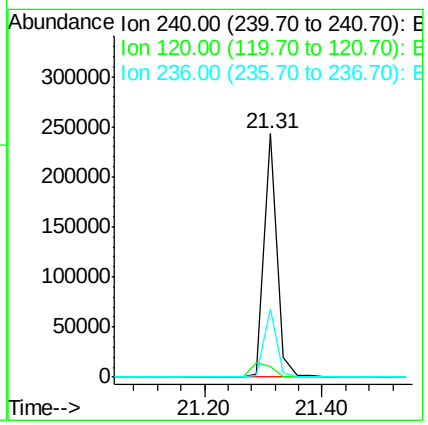
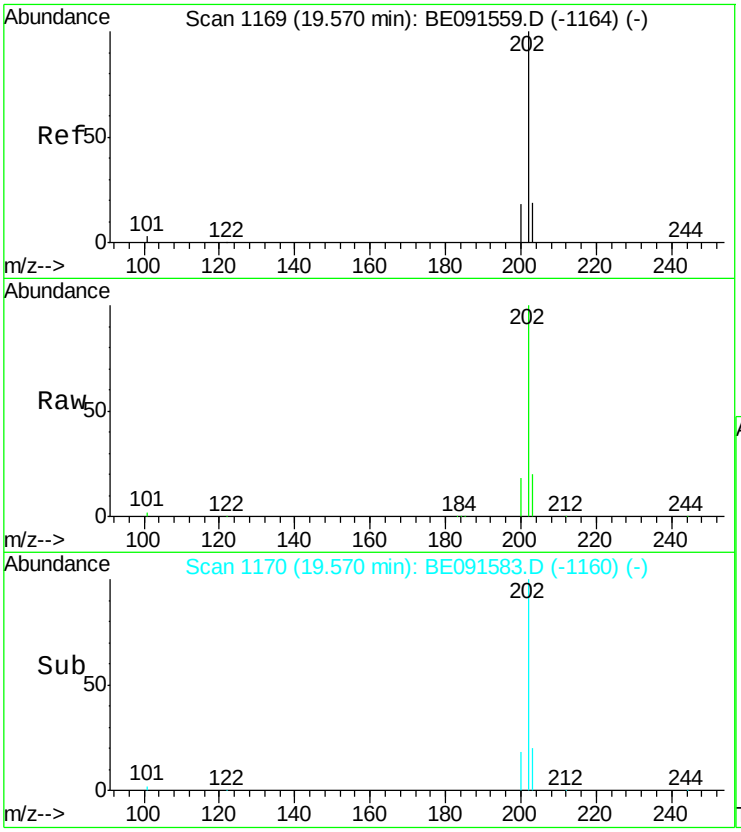


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:240 Resp: 372404

Ion	Ratio	Lower	Upper
240	100		
120	4.3	4.0	6.0
236	28.2	23.0	34.4

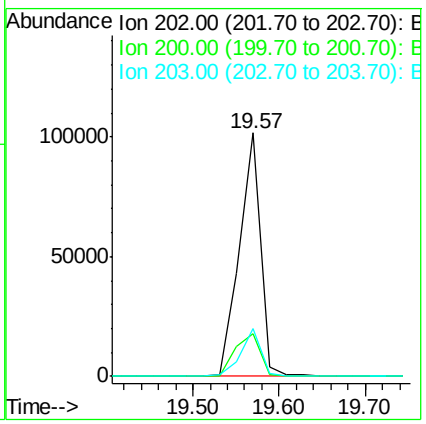




#23
Pyrene
Concen: 2.28 ng
RT: 19.57 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:202 Resp: 172955

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.4	24.6
203	18.3	14.6	21.8



Instrument :
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ClientSampleId :
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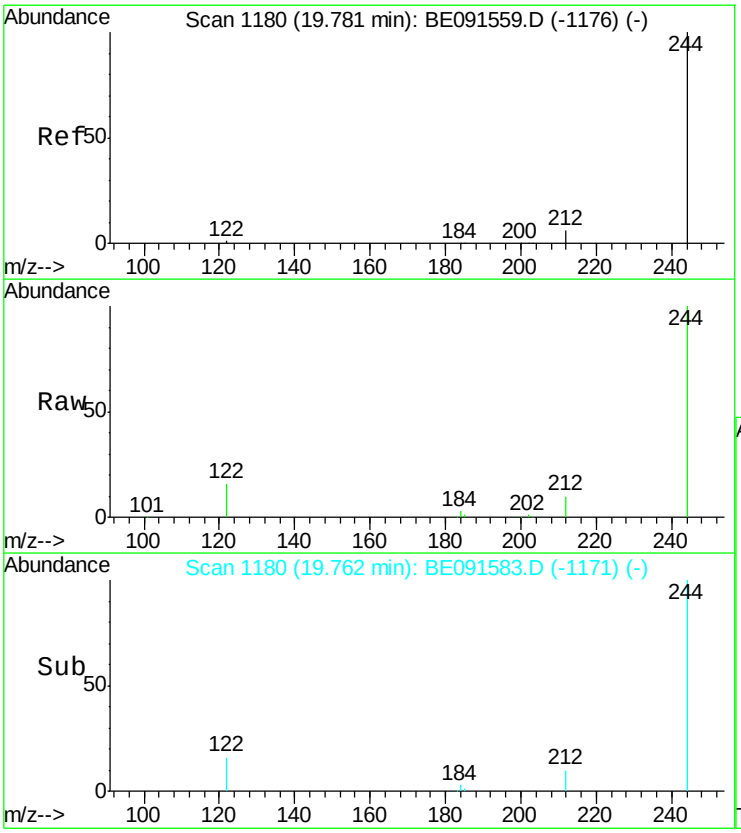
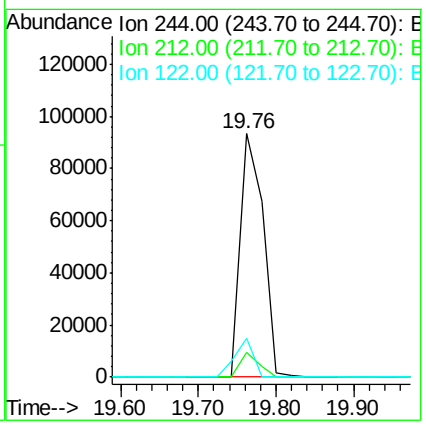
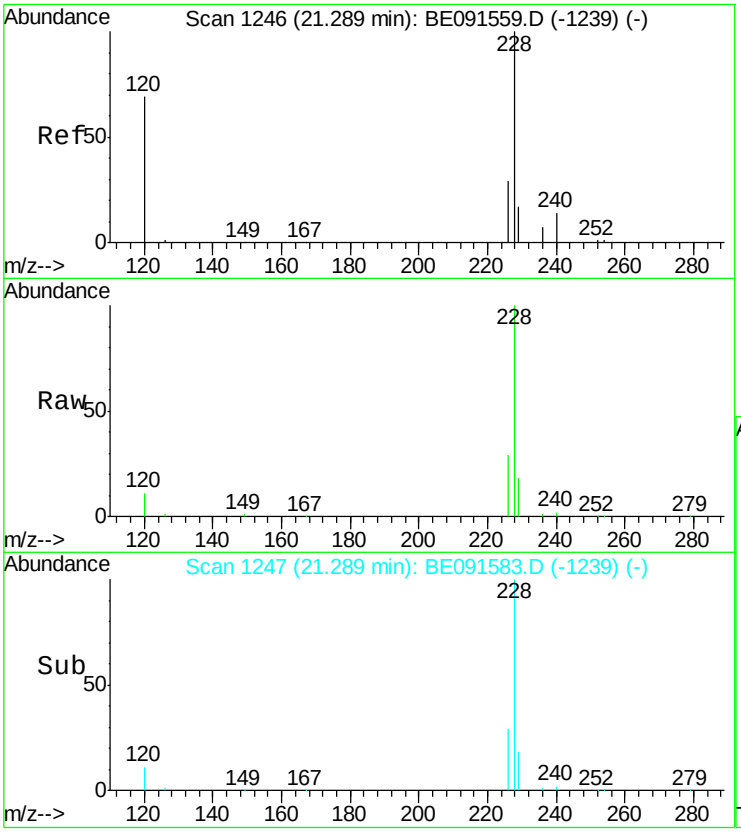


#24
Terphenyl-d14
Concen: 4.00 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:244 Resp: 188880

Ion	Ratio	Lower	Upper
244	100		
212	10.1	5.8	8.8#
122	15.8	1.8	2.8#

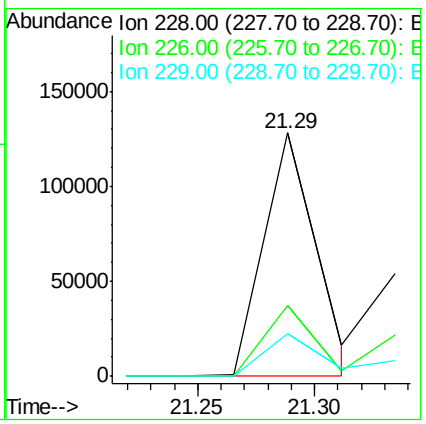




#25
Benzo(a)anthracene
Concen: 2.30 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:228 Resp: 200886

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	17.7	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
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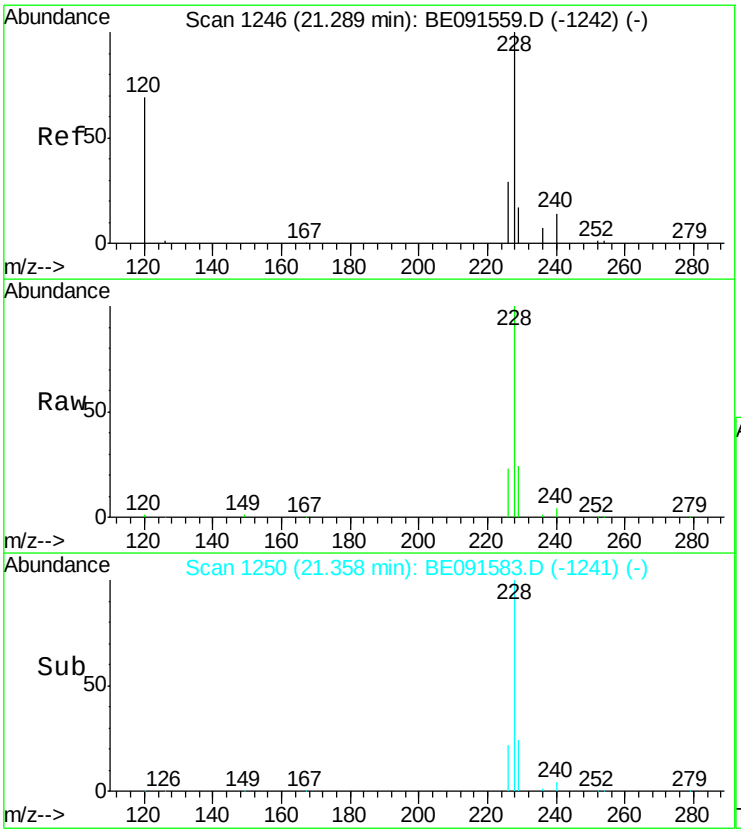
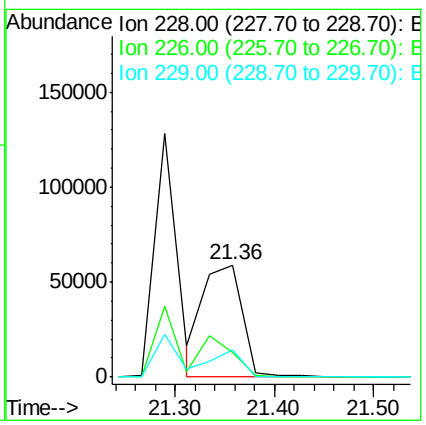
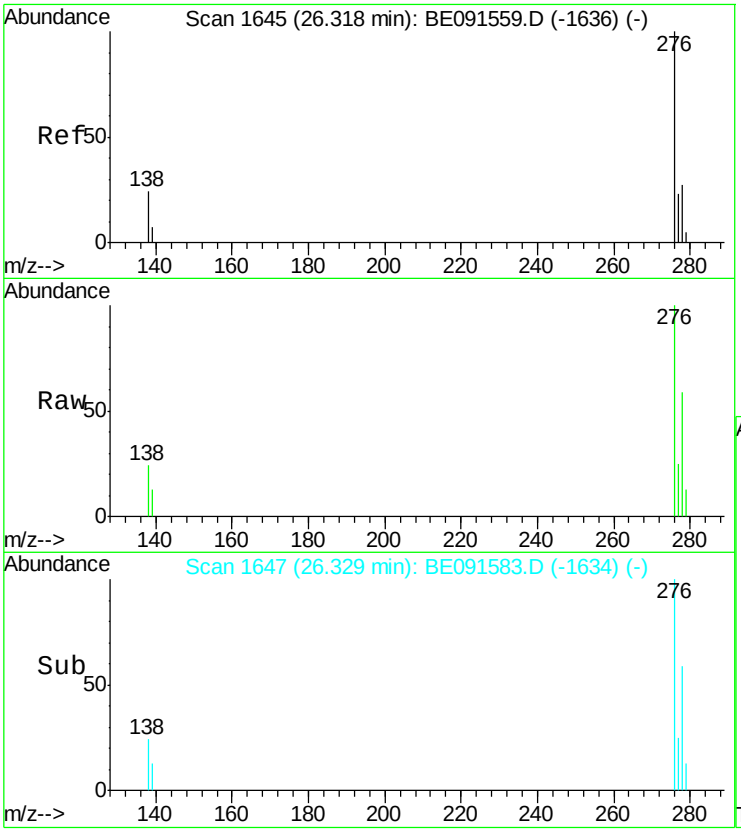


#26
Chrysene
Concen: 2.18 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:228 Resp: 162738

Ion	Ratio	Lower	Upper
228	100		
226	22.5	18.9	28.3
229	24.5	19.1	28.7

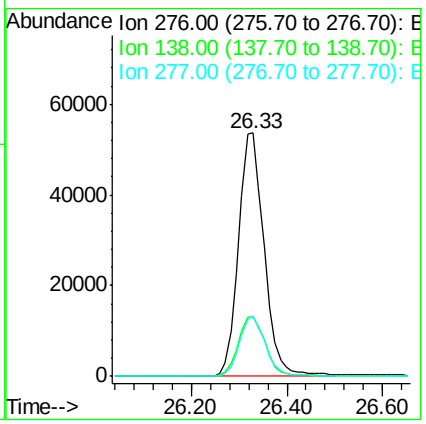




#27
Indeno(1,2,3-cd)pyrene
Concen: 2.31 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.05 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:276 Resp: 199407

Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.2	30.4
277	24.7	19.8	29.8



Instrument :
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ClientSampleId :
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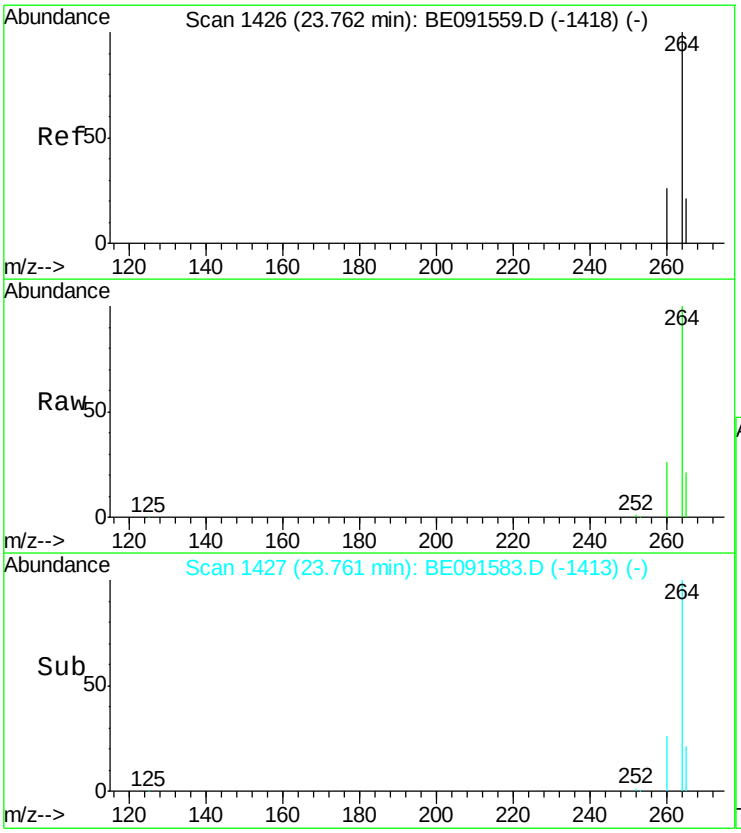
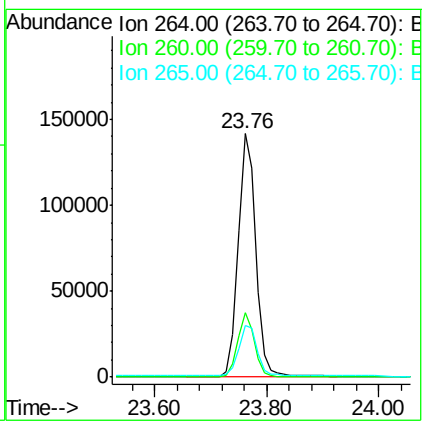
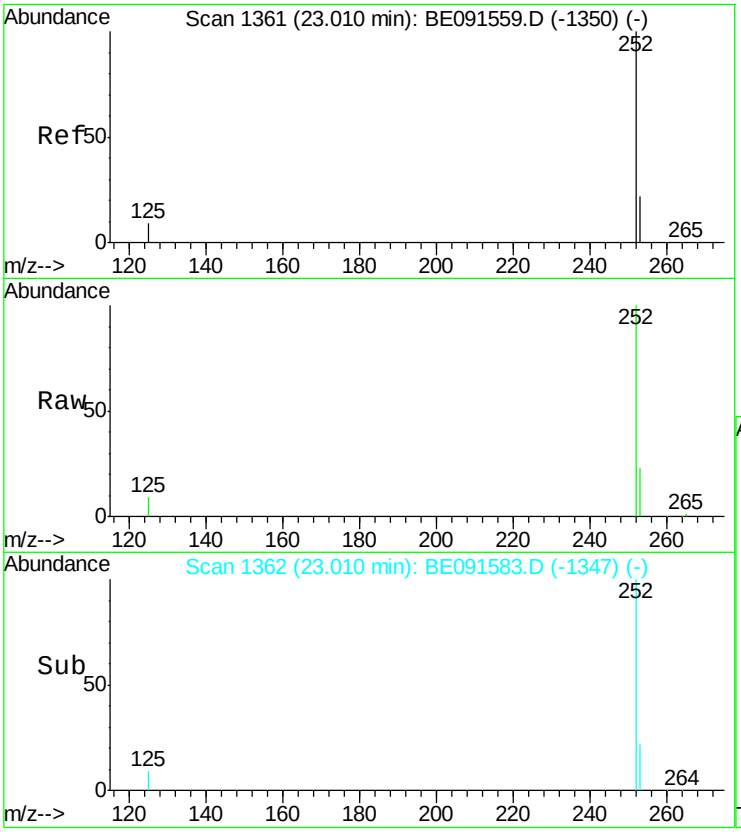


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:264 Resp: 315341

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.1	30.1
265	21.4	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 2.47 ng m
RT: 23.01 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:252 Resp: 188547

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	9.5	9.8	14.6#

Instrument :
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ClientSampleId :
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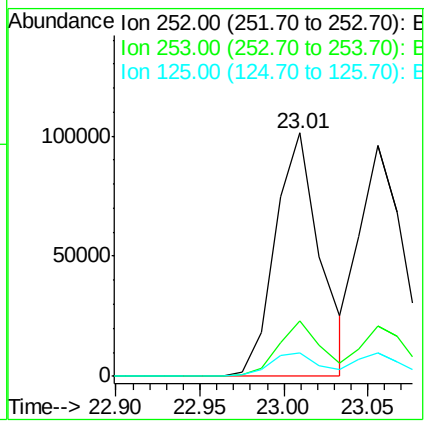
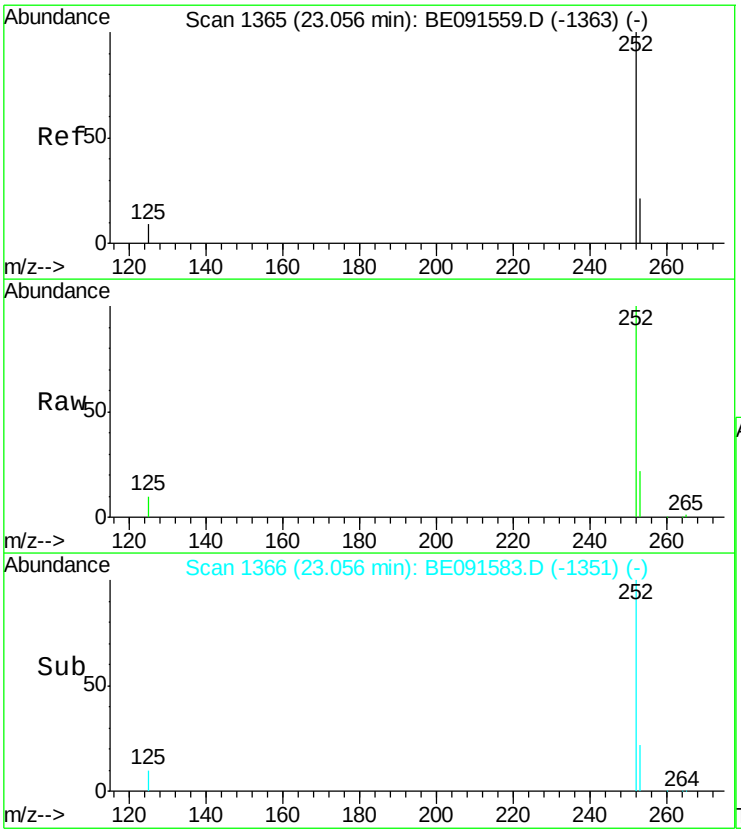
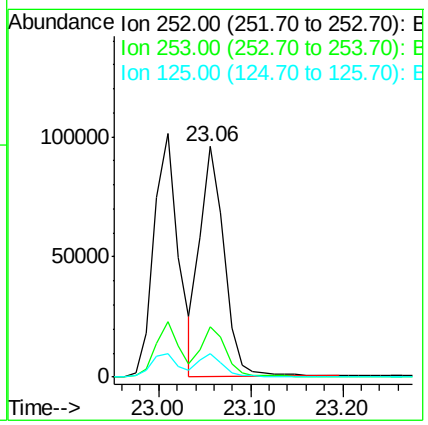


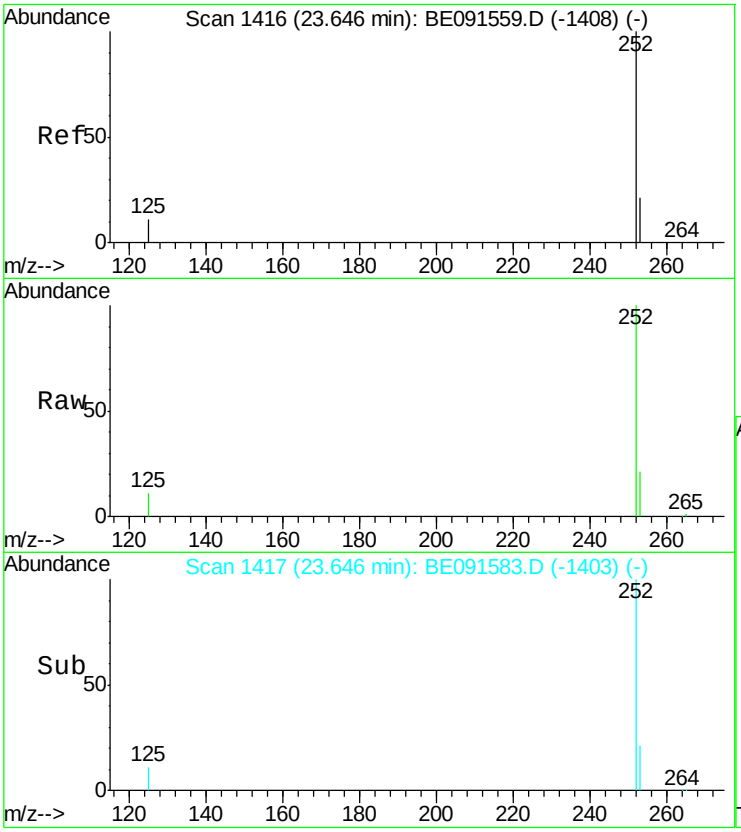


#30
Benzo(k)fluoranthene
Concen: 2.36 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:252 Resp: 174918

Ion	Ratio	Lower	Upper
252	100		
253	21.7	20.2	30.4
125	10.1	9.4	14.2

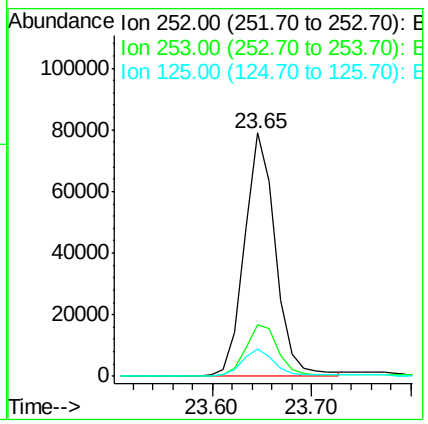




#31
Benzo(a)pyrene
Concen: 2.42 ng
RT: 23.65 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:252 Resp: 168935

Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.4	29.0
125	11.4	11.4	17.2



Instrument :
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ClientSampleId :
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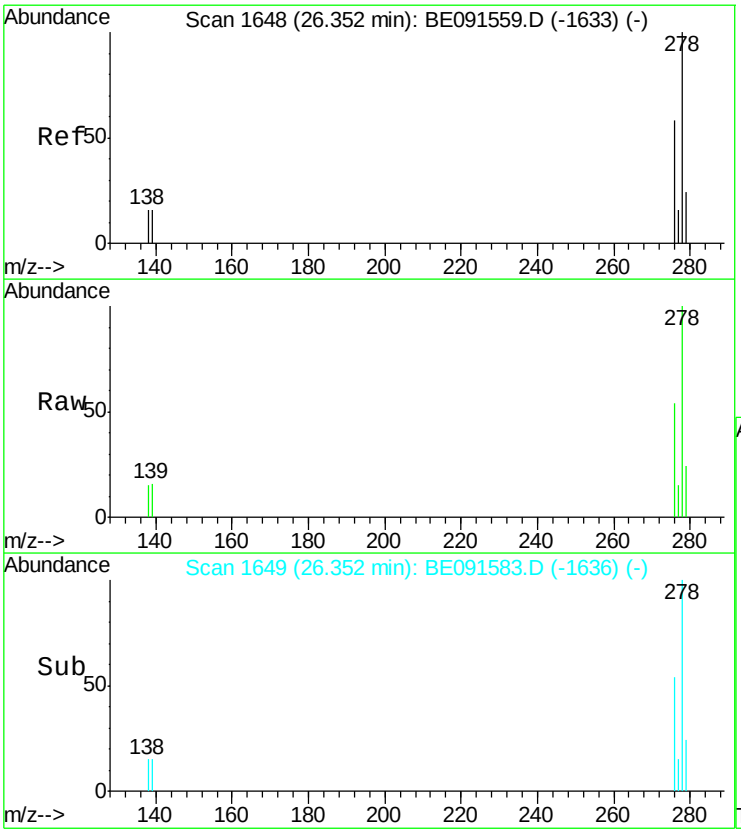
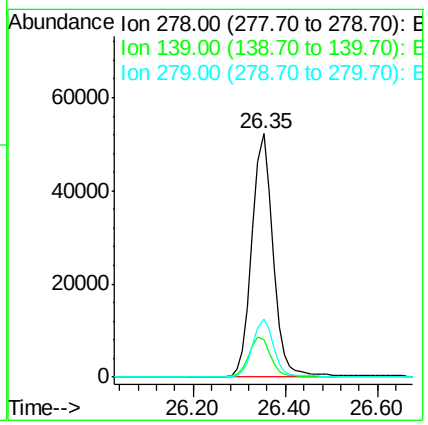
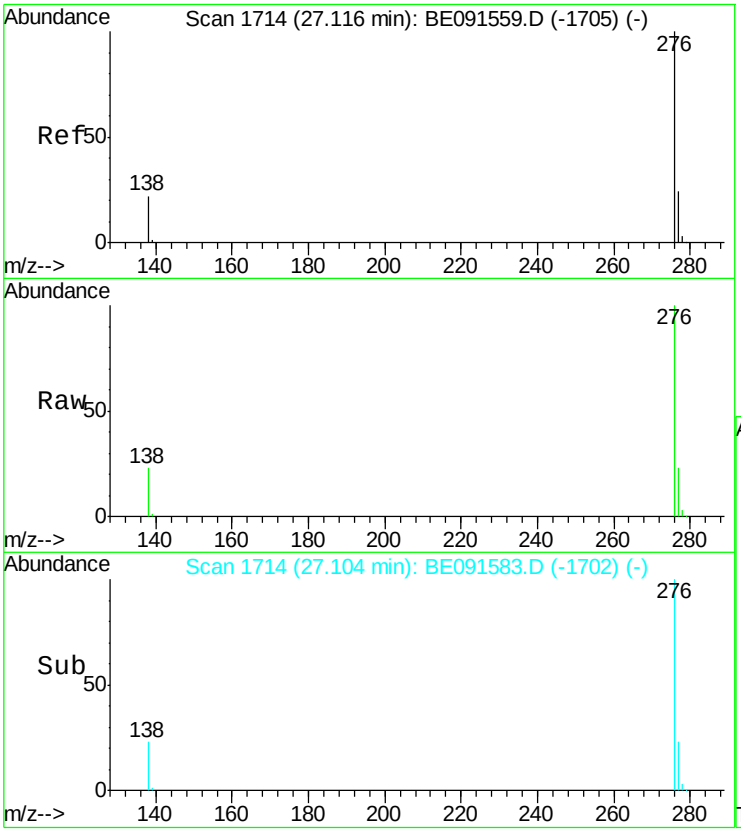


#32
Dibenzo(a,h)anthracene
Concen: 2.42 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.05 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:278 Resp: 166250

Ion	Ratio	Lower	Upper
278	100		
139	15.5	14.2	21.4
279	23.8	19.6	29.4

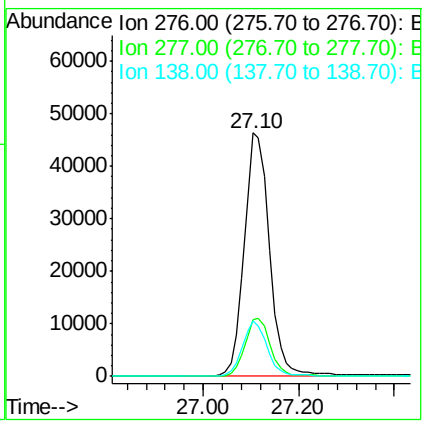




#33
Benzo(g,h,i)perylene
Concen: 2.40 ng
RT: 27.10 min Scan# 1714
Delta R.T. -0.06 min
Lab File: BE091583.D
Acq: 31 Mar 2016 14:07

Tgt Ion:276 Resp: 167778

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.2
138	22.7	18.2	27.4



Instrument :
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ClientSampleId :
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