Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE040116\
Data File : BE091588.D
Acq On : 31 Mar 2016 18:39
Operator : UM/SJ
Sample : H1855-06MS
Misc : LOQ WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SB-4MS

Manual Integrations APPROVED
Sohil
4/1/2016 9:41:29 PM

Quant Time: Apr 01 01:08:06 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	36435	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	182054	5.00	ng	0.00
10) Acenaphthene-d10	14.42	164	111990	5.00	ng	-0.03
16) Phenanthrene-d10	17.16	188	270644	5.00	ng	-0.01
22) Chrysene-d12	21.31	240	378848	5.00	ng	-0.02
28) Perylene-d12	23.76	264	330471	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	58898	6.17	ng	-0.02
5) Phenol-d6	6.97	99	92344	7.16	ng	-0.02
7) Nitrobenzene-d5	8.96	82	40320	3.30	ng	-0.02
11) 2,4,6-Tribromophenol	15.90	330	28413	5.73	ng	-0.02
12) 2-Fluorobiphenyl	13.05	172	113221	3.56	ng	-0.02
24) Terphenyl-d14	19.76	244	172570	3.59	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	13339	3.09	ng	# 92
3) n-Nitrosodimethylamine	3.64	42	22503	3.40	ng	# 93
8) Naphthalene	10.63	128	139601	3.71	ng	97
9) 2-Methylnaphthalene	12.24	142	103960	4.23	ng	# 86
13) Acenaphthylene	14.14	152	208517	4.62	ng	98
14) Acenaphthene	14.49	154	116651	4.21	ng	94
15) Fluorene	15.46	166	148227	4.16	ng	100
17) Hexachlorobenzene	16.46	284	39676	3.99	ng	98
18) Pentachlorophenol	16.79	266	48532	8.68	ng	90
19) Phenanthrene	17.19	178	425065	6.71	ng	99
20) Anthracene	17.29	178	276073	4.72	ng	99
21) Fluoranthene	19.21	202	702656	9.41	ng	98
23) Pyrene	19.57	202	704214	9.12	ng	97
25) Benzo(a)anthracene	21.29	228	550089m	6.19	ng	
26) Chrysene	21.33	228	454177m	5.97	ng	
27) Indeno(1,2,3-cd)pyrene	26.32	276	470153	5.36	ng	98
29) Benzo(b)fluoranthene	23.01	252	551865	6.89	ng	97
30) Benzo(k)fluoranthene	23.06	252	407554	5.25	ng	95
31) Benzo(a)pyrene	23.65	252	480151m	6.55	ng	
32) Dibenzo(a,h)anthracene	26.35	278	307846	4.28	ng	97
33) Benzo(g,h,i)perylene	27.12	276	418873	5.71	ng	99

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

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Instrument :
BNA_E
ClientSampleId :
SB-4MS

Manual Integrations APPROVED
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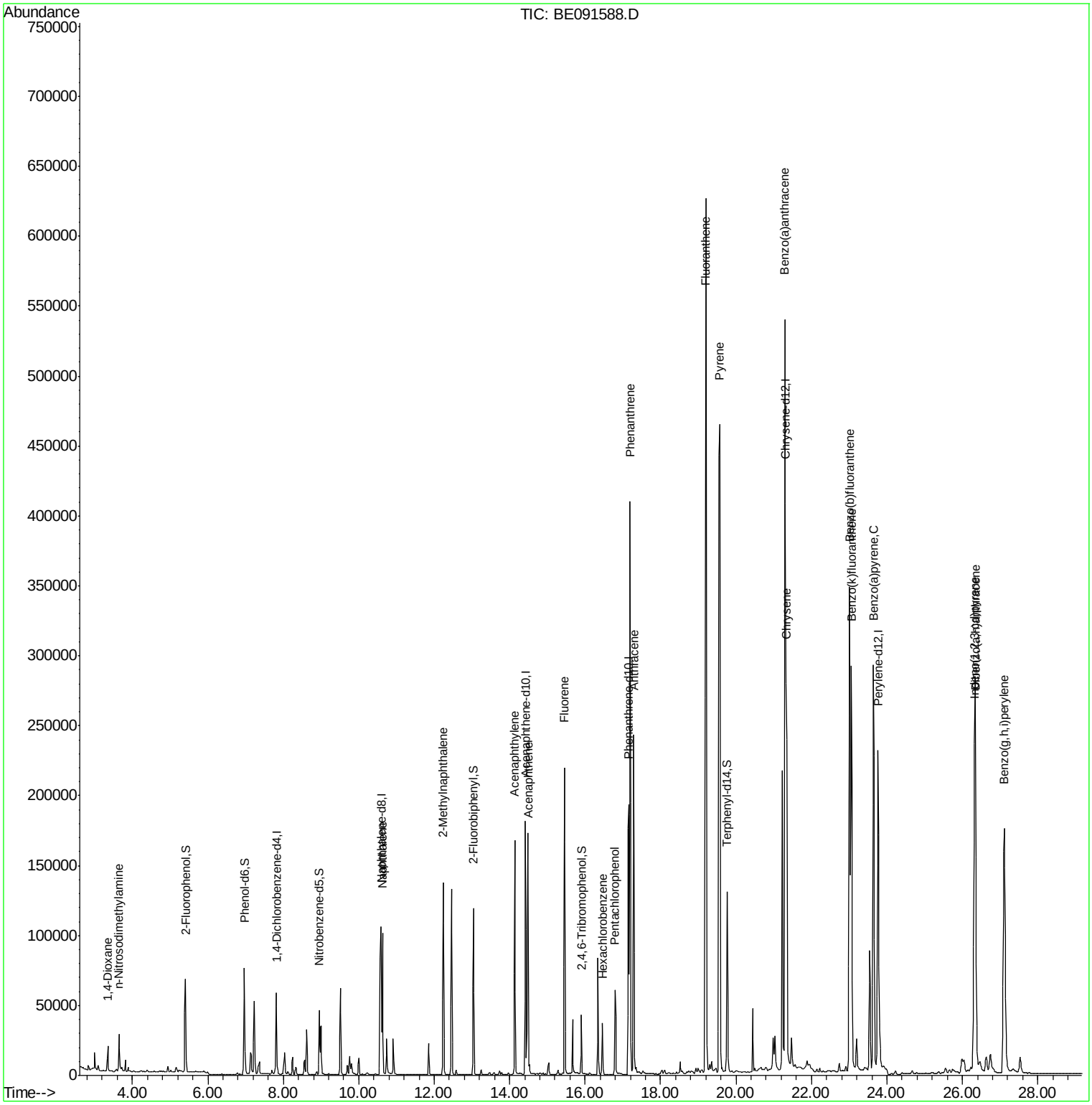
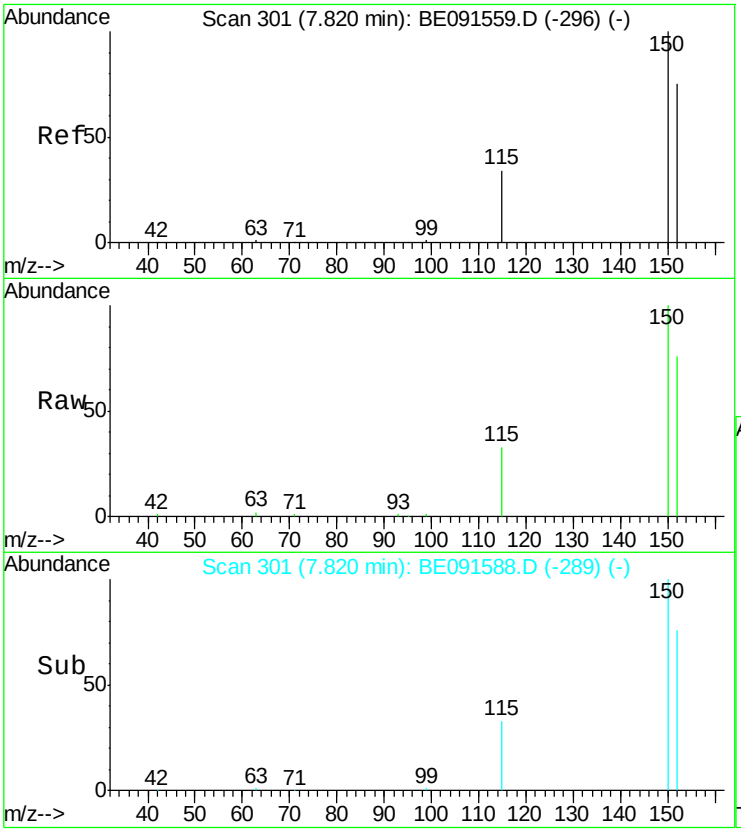
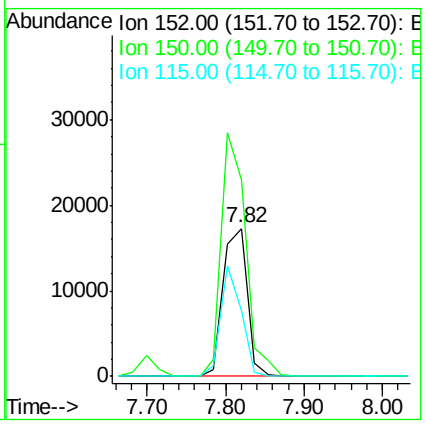




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:152 Resp: 36435

Ion	Ratio	Lower	Upper
152	100		
150	132.3	122.2	183.2
115	44.0	45.9	68.9#



Instrument :
BNA_E
ClientSampleId :
SB-4MS

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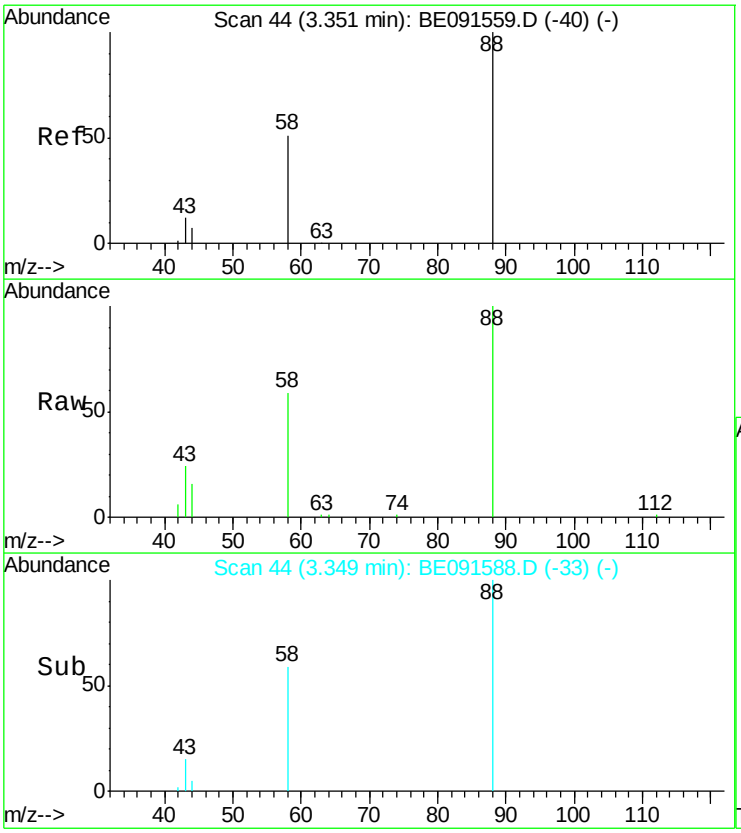
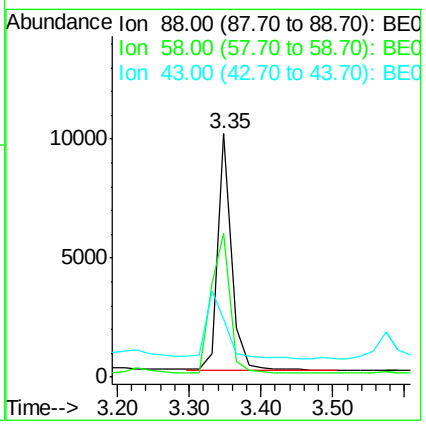
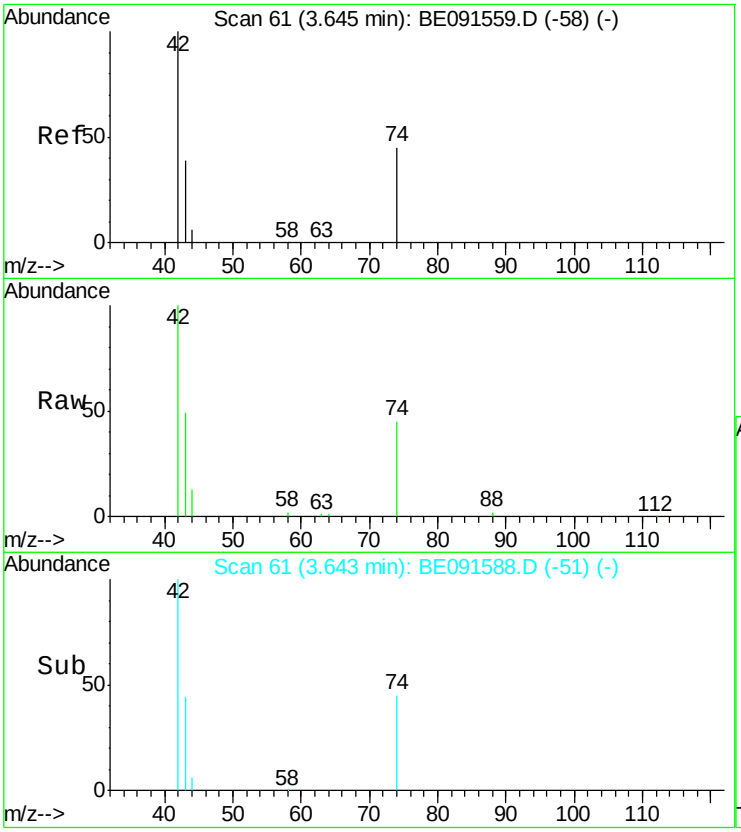


#2
1,4-Dioxane
Concen: 3.09 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion: 88 Resp: 13339

Ion	Ratio	Lower	Upper
88	100		
58	80.3	61.0	91.6
43	41.1	25.4	38.2#

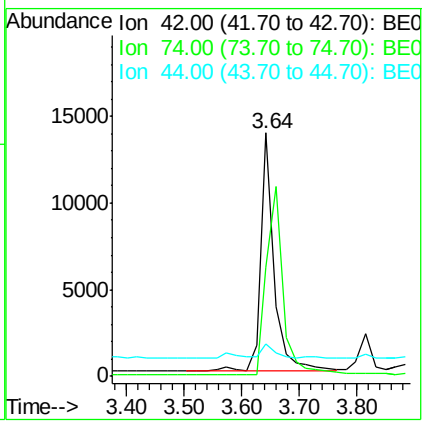




#3
n-Nitrosodimethylamine
Concen: 3.40 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion: 42 Resp: 22503

Ion	Ratio	Lower	Upper
42	100		
74	98.3	84.3	126.5
44	5.6	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SB-4MS

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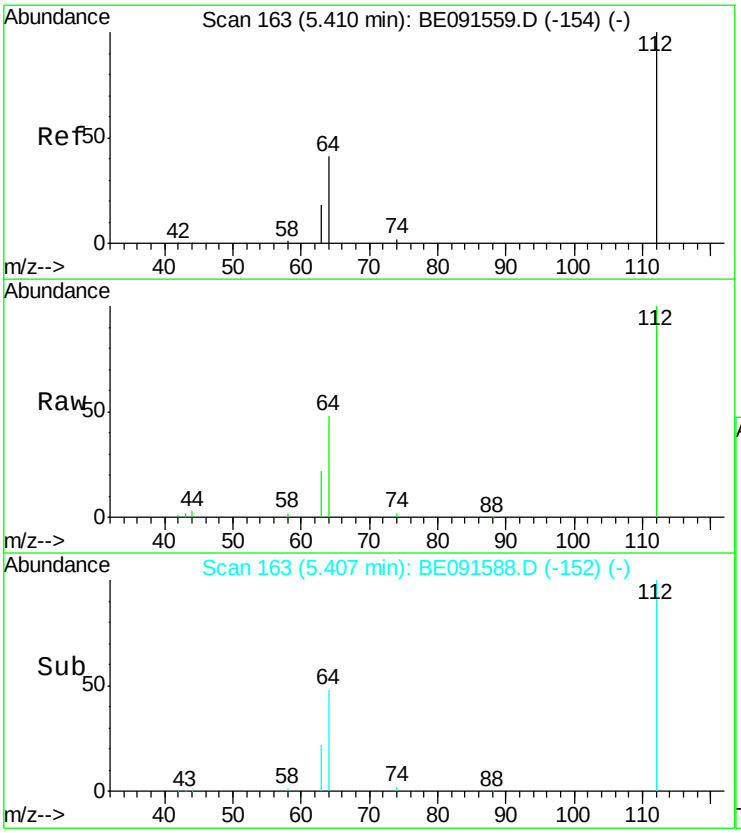
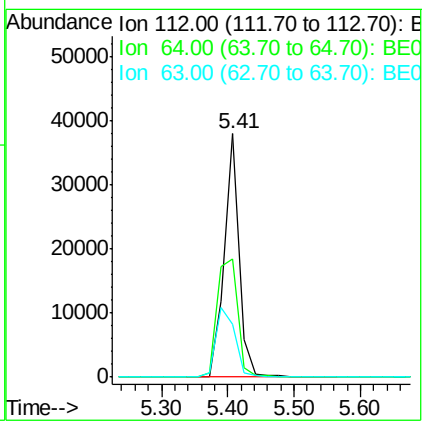
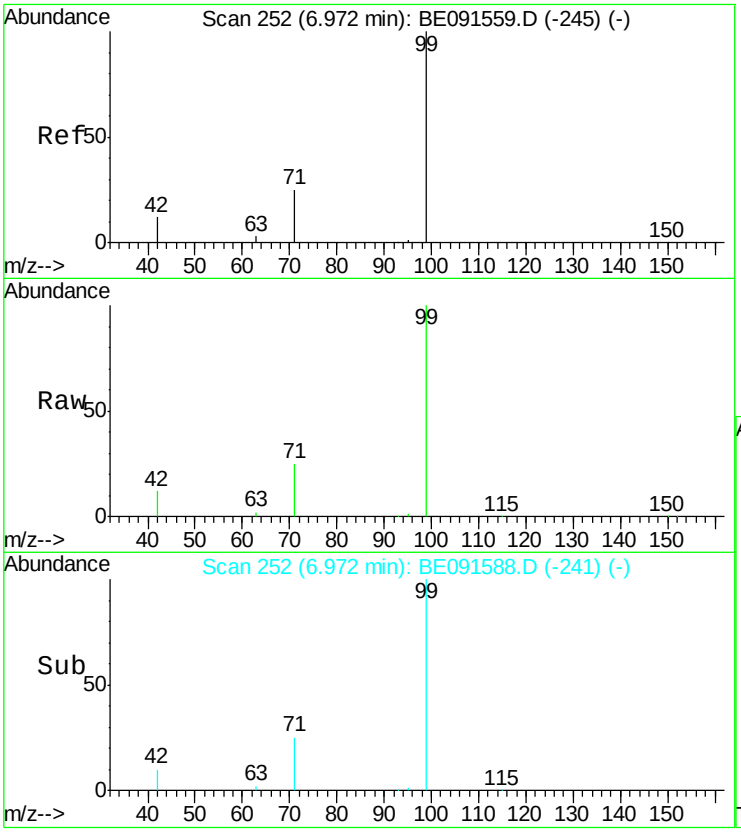


#4
2-Fluorophenol
Concen: 6.17 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:112 Resp: 58898

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.3	79.9
63	36.2	29.8	44.8

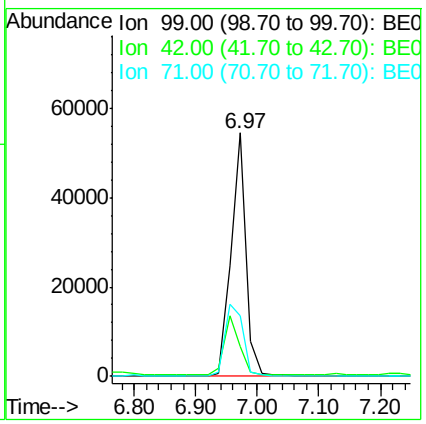




#5
Phenol-d6
Concen: 7.16 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion: 99 Resp: 92344

Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.6	30.8
71	35.7	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SB-4MS

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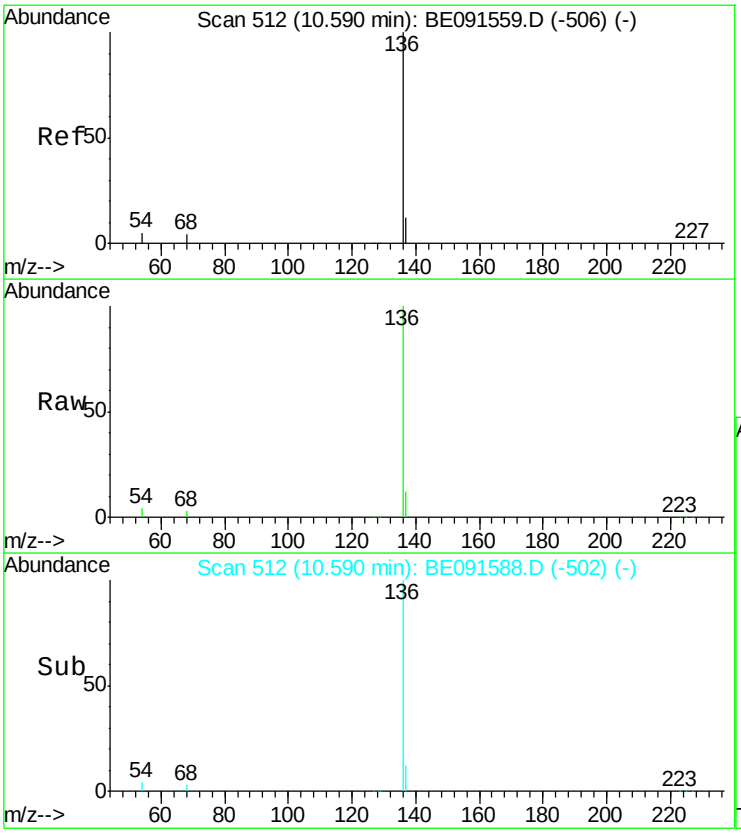
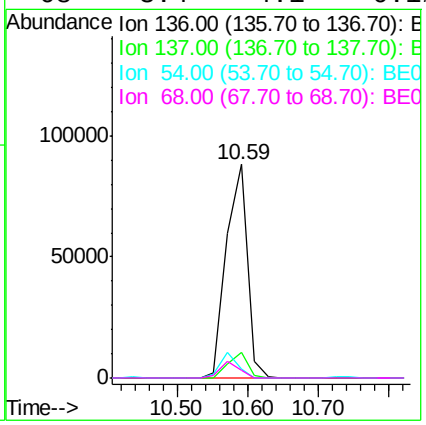
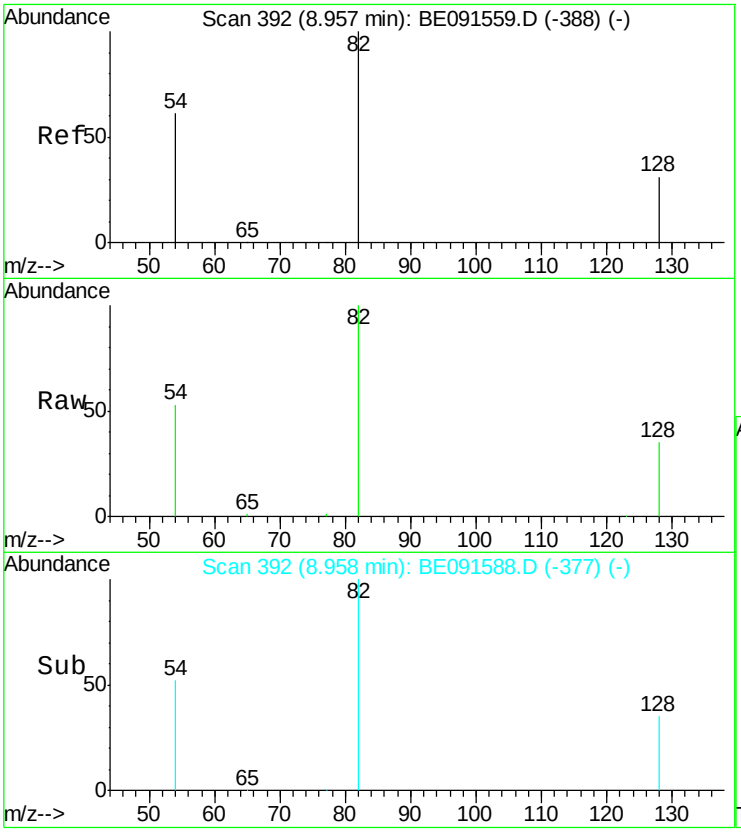


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:136 Resp: 182054

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	4.1	5.2	7.8#
68	3.4	4.1	6.1#

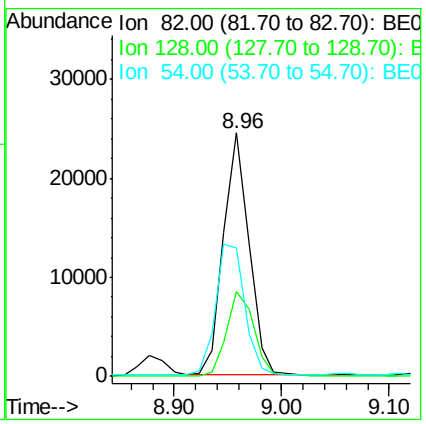




#7
Nitrobenzene-d5
Concen: 3.30 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion: 82 Resp: 40320

Ion	Ratio	Lower	Upper
82	100		
128	34.7	23.5	35.3
54	52.6	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
SB-4MS

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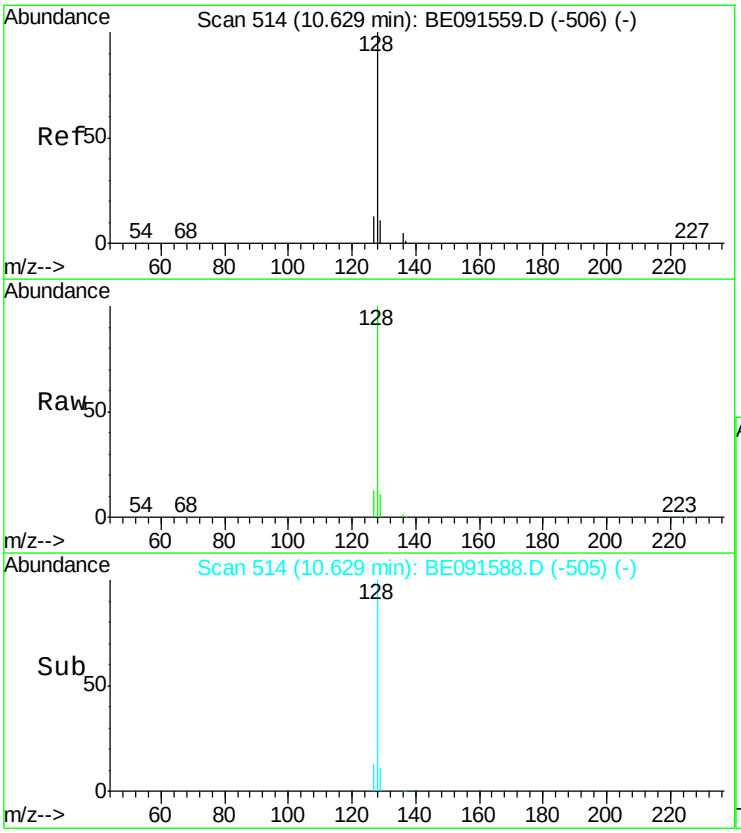
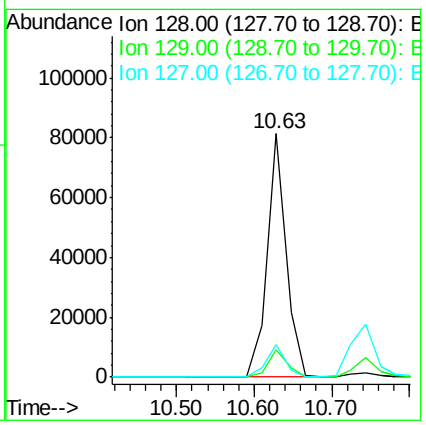
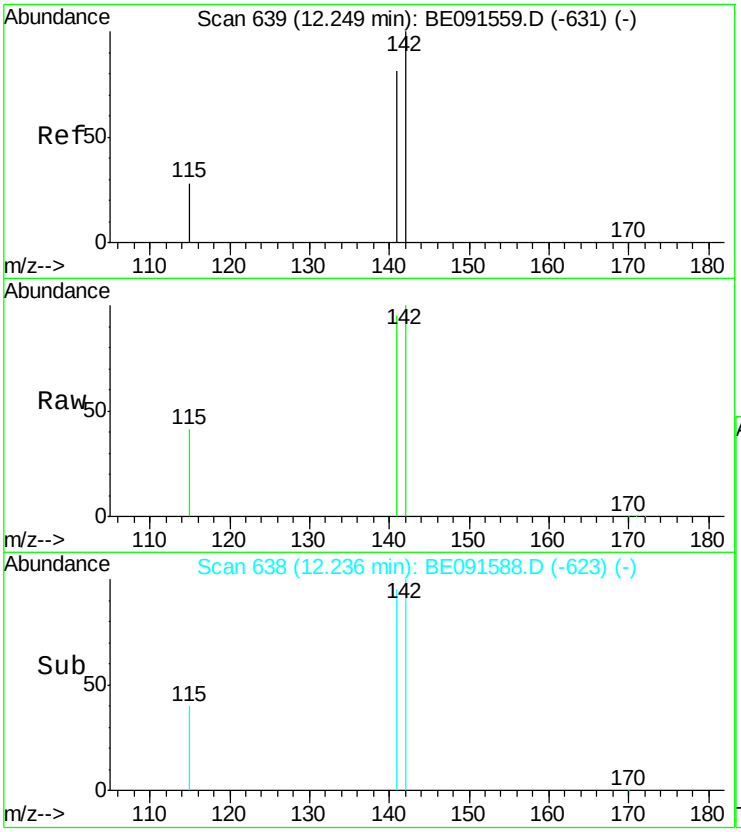


#8
Naphthalene
Concen: 3.71 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:128 Resp: 139601

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.2	12.2
127	13.1	11.8	17.8

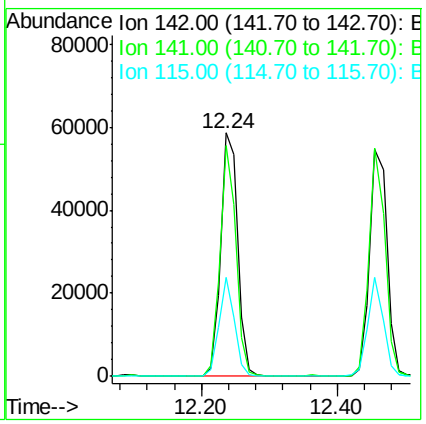




#9
2-Methylnaphthalene
Concen: 4.23 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:142 Resp: 103960

Ion	Ratio	Lower	Upper
142	100		
141	94.9	66.9	100.3
115	40.6	25.1	37.7#



Instrument :
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ClientSampleId :
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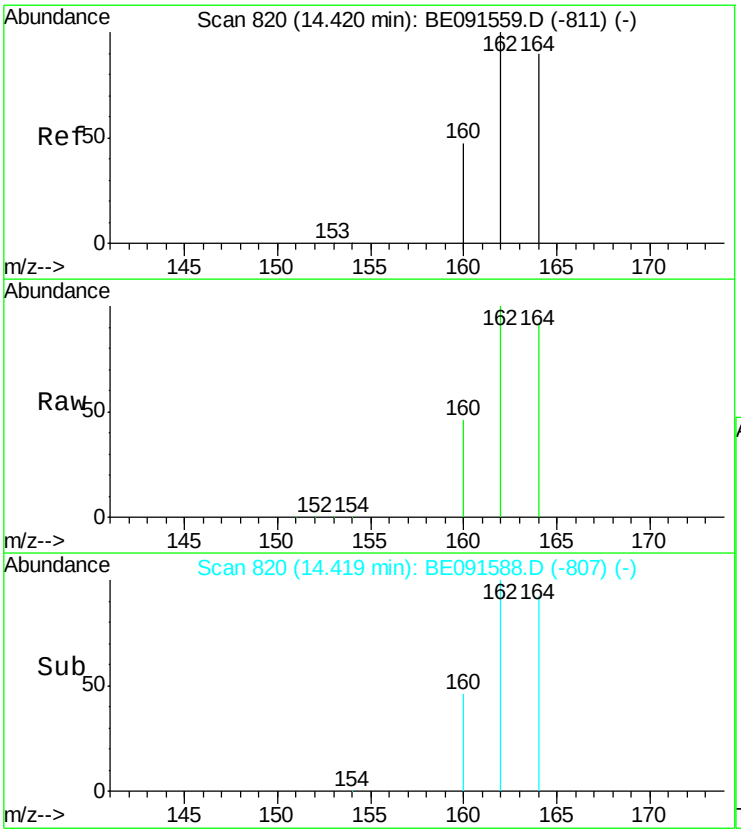
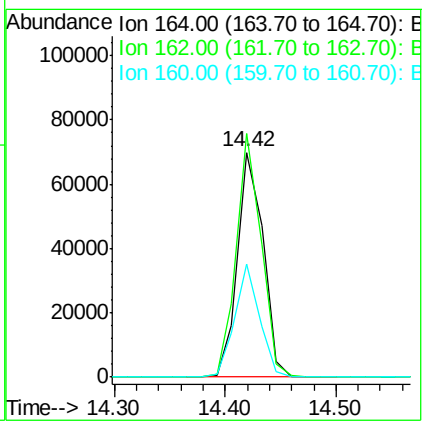
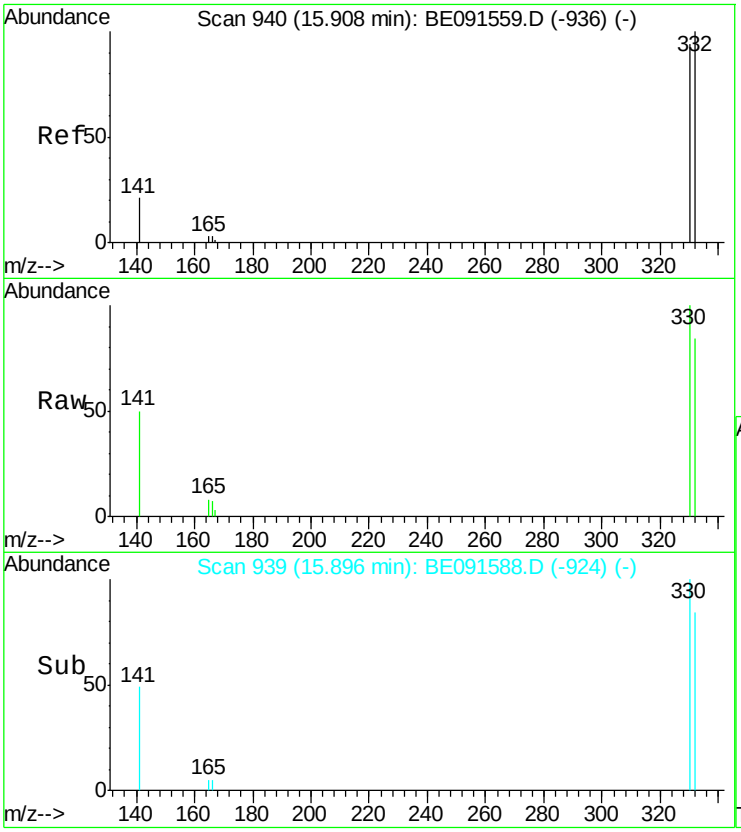


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.03 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:164 Resp: 111990

Ion	Ratio	Lower	Upper
164	100		
162	108.3	84.4	126.6
160	50.0	37.7	56.5

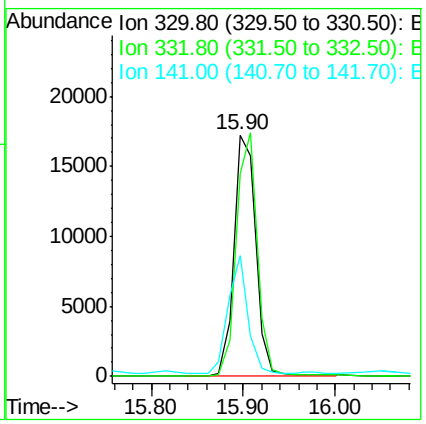




#11
2,4,6-Tribromophenol
Concen: 5.73 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:330 Resp: 28413

Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.2	118.8
141	44.1	28.1	42.1#



Instrument :
BNA_E
ClientSampleId :
SB-4MS

Manual Integrations APPROVED
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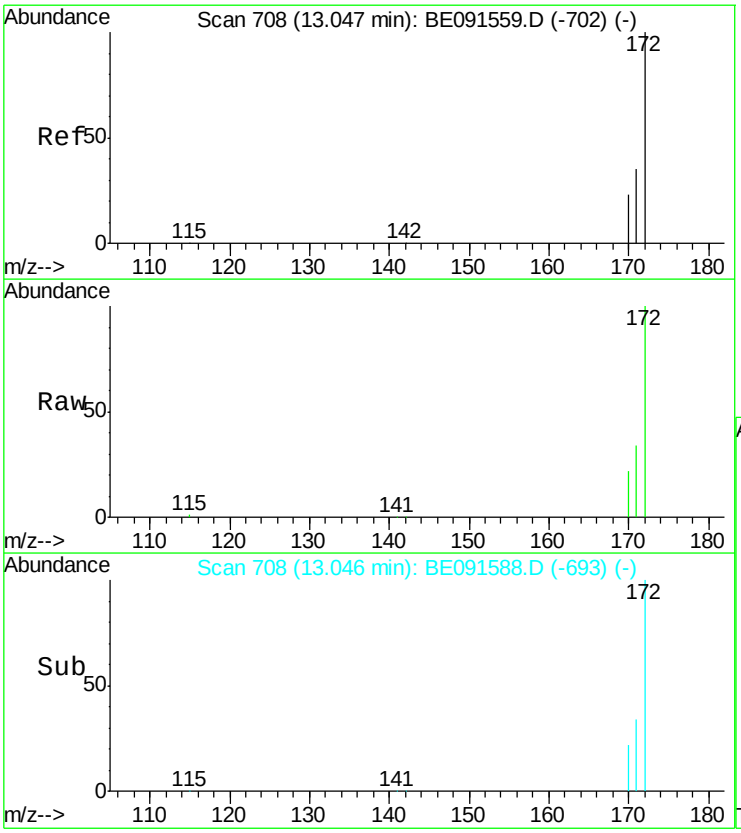
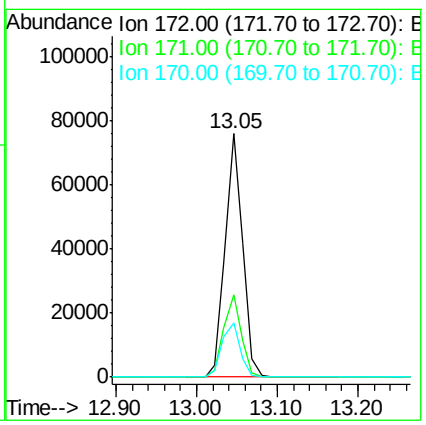
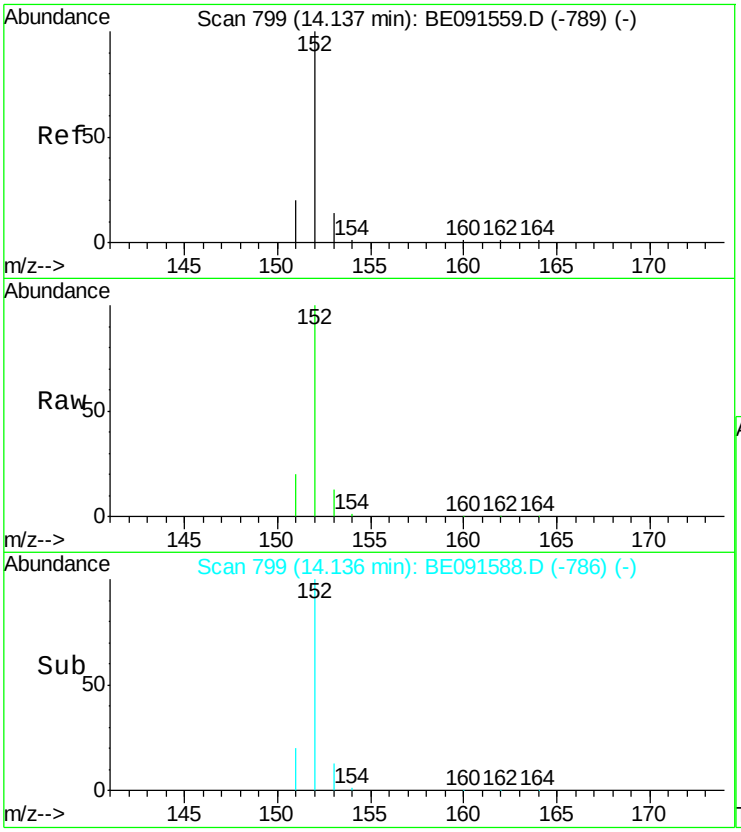


#12
2-Fluorobiphenyl
Concen: 3.56 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:172 Resp: 113221

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.8	44.8
170	22.5	21.4	32.2

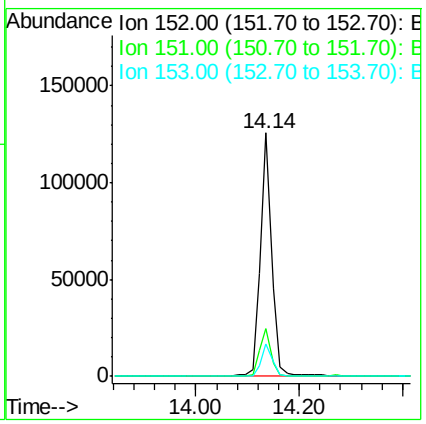




#13
Acenaphthylene
Concen: 4.62 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.01 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:152 Resp: 208517

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	12.1	11.1	16.7



Instrument :
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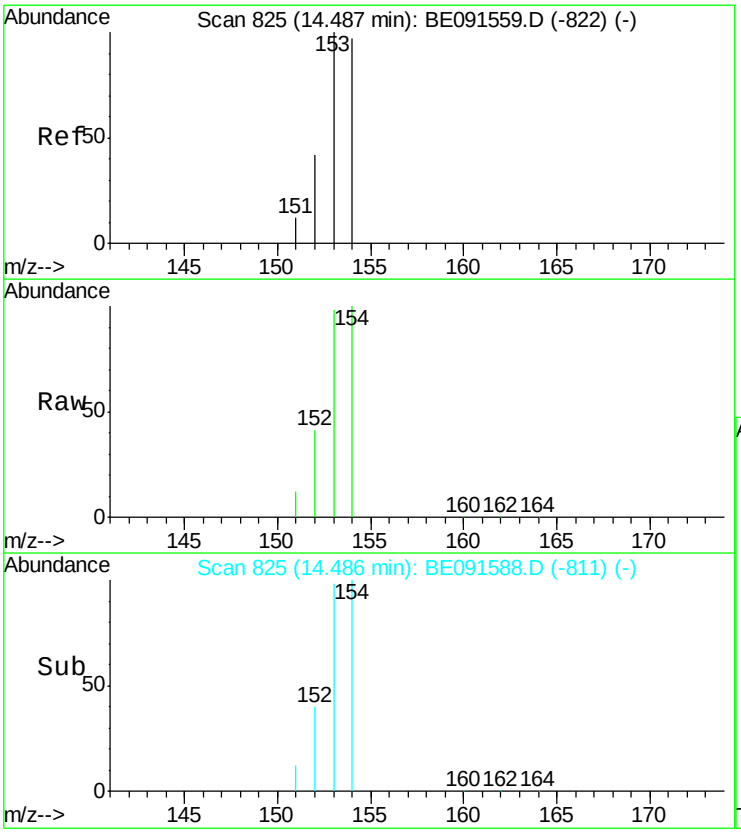
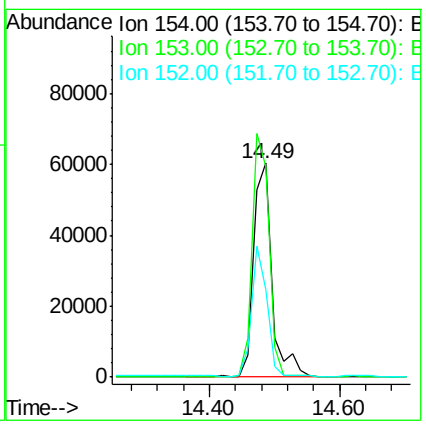
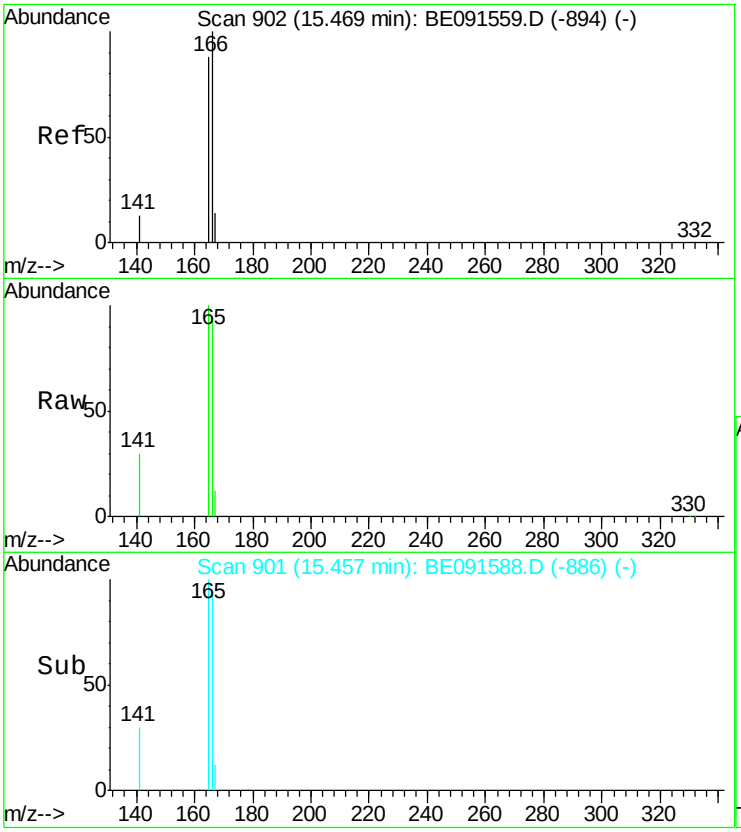


#14
Acenaphthene
Concen: 4.21 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:154 Resp: 116651

Ion	Ratio	Lower	Upper
154	100		
153	102.3	87.3	130.9
152	50.3	42.9	64.3

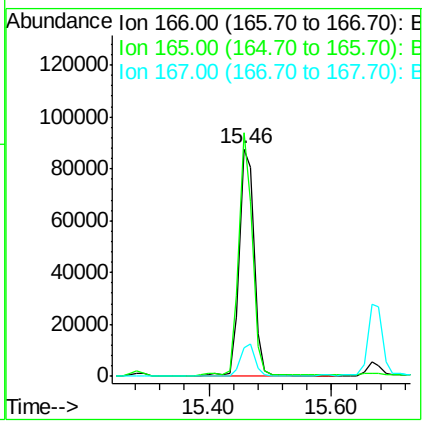




#15
Fluorene
Concen: 4.16 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:166 Resp: 148227

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.2	118.8
167	13.5	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
SB-4MS

Manual Integrations APPROVED
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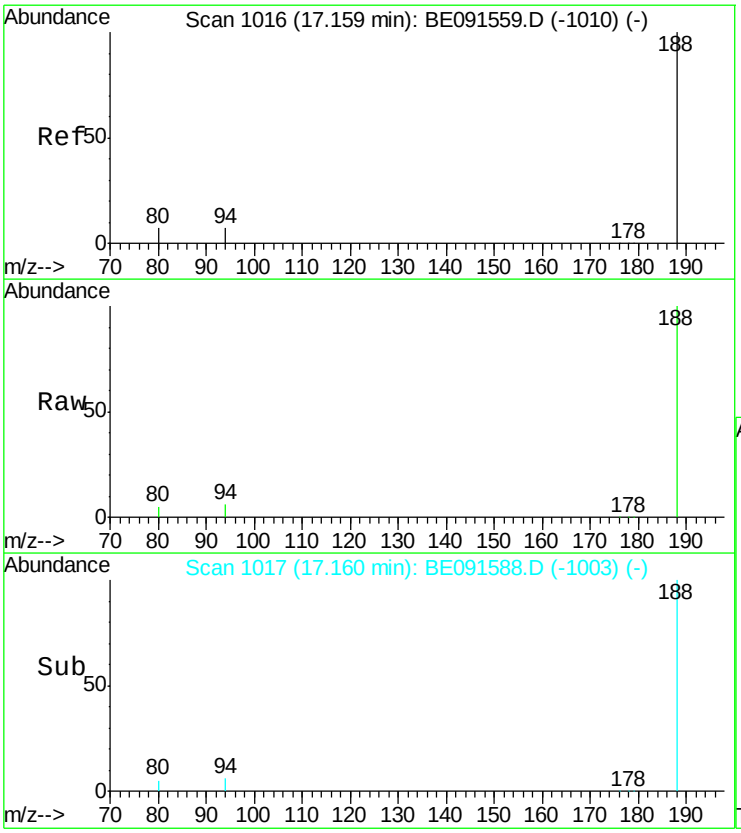
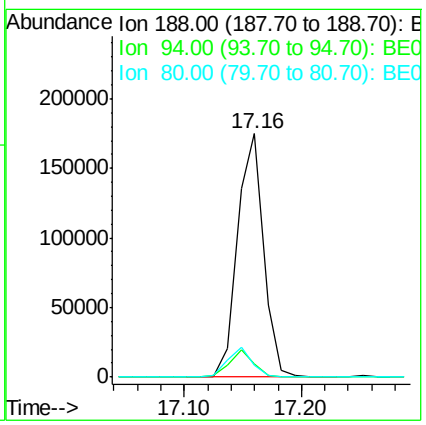
4/1/2016 9:41:29 PM

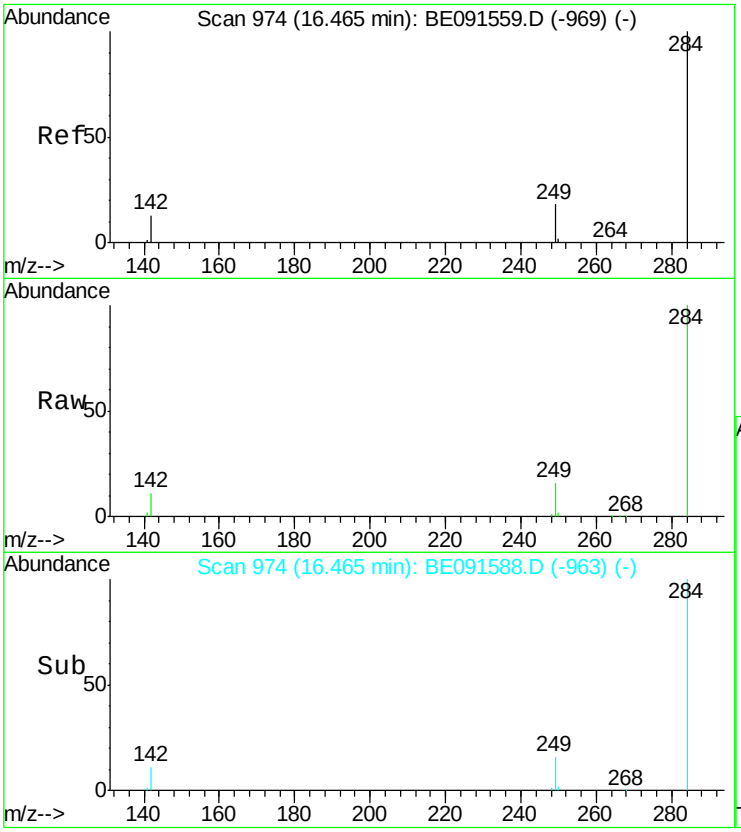


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:188 Resp: 270644

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

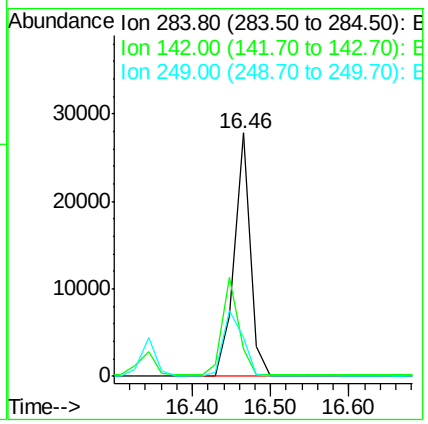




#17
Hexachlorobenzene
Concen: 3.99 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:284 Resp: 39676

Ion	Ratio	Lower	Upper
284	100		
142	40.5	31.0	46.4
249	32.0	25.8	38.8



Instrument :
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ClientSampleId :
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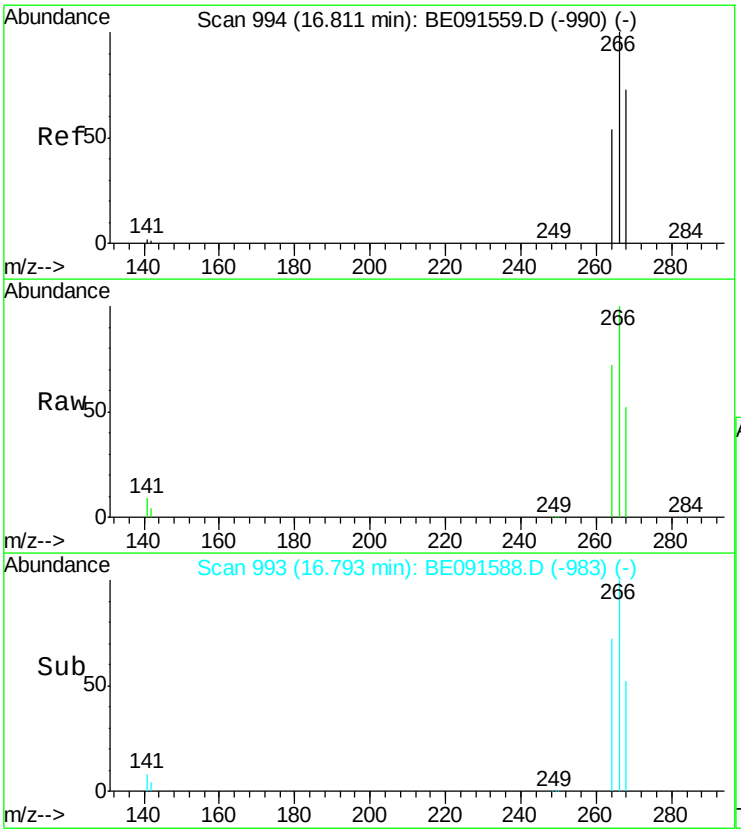
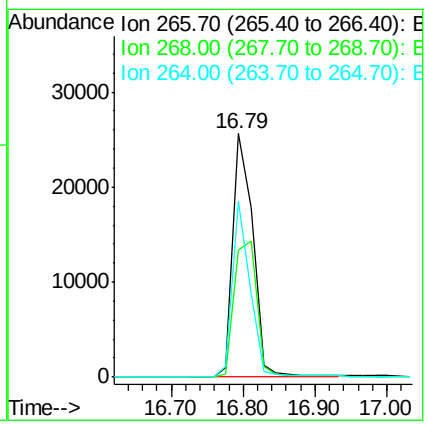
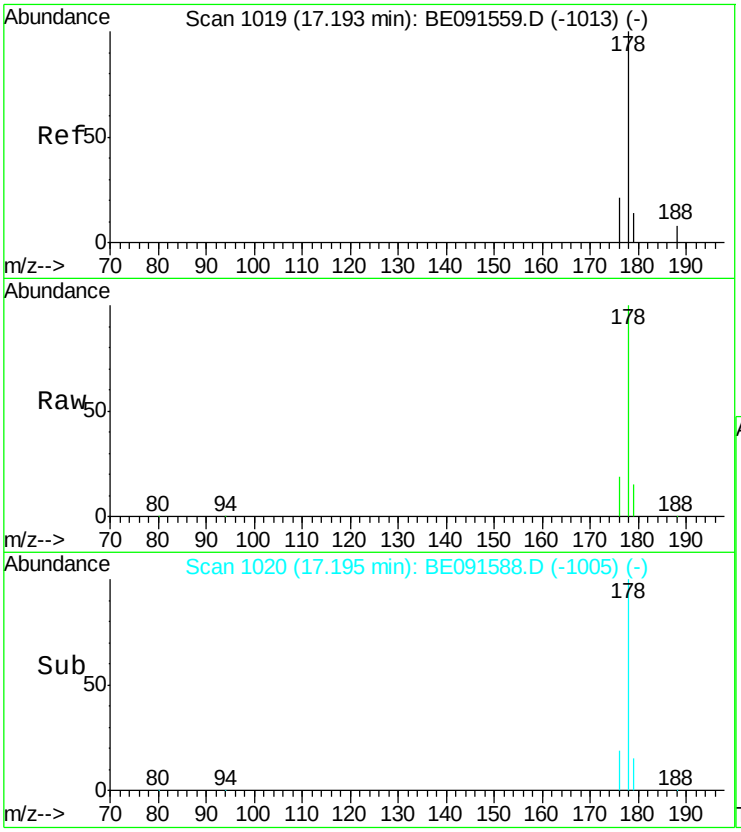


#18
Pentachlorophenol
Concen: 8.68 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.03 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:266 Resp: 48532

Ion	Ratio	Lower	Upper
266	100		
268	52.3	48.2	72.2
264	72.4	52.1	78.1

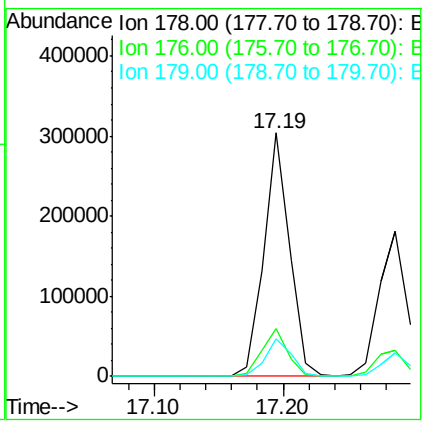




#19
Phenanthrene
Concen: 6.71 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:178 Resp: 425065

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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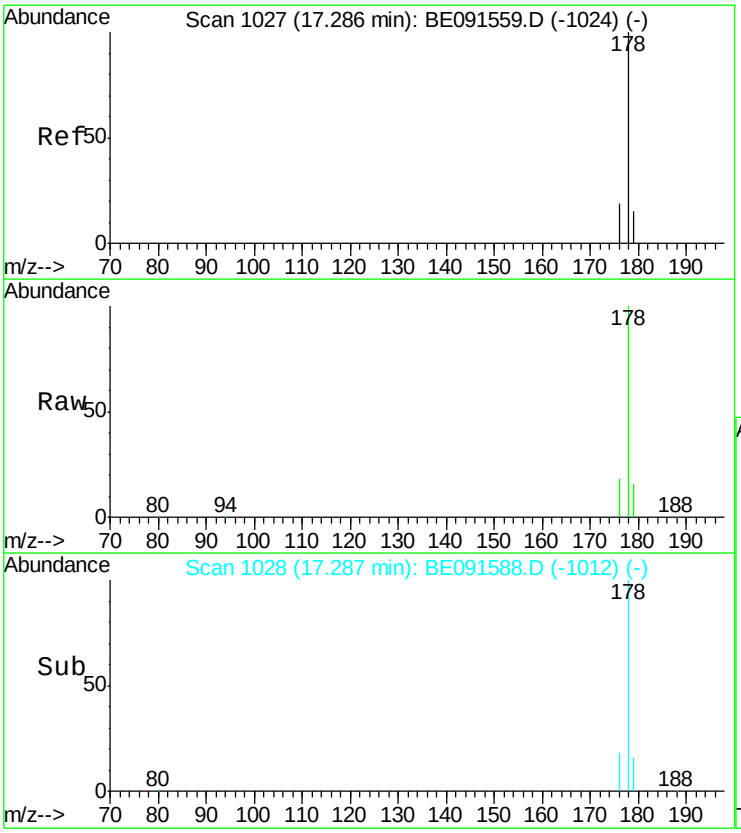
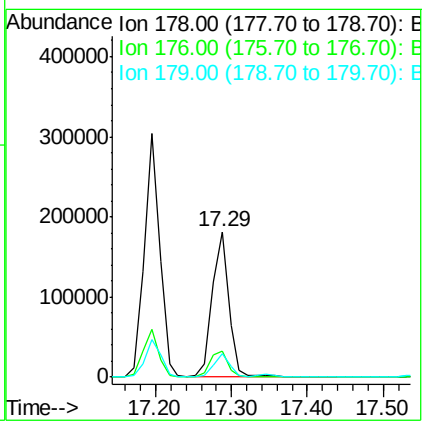
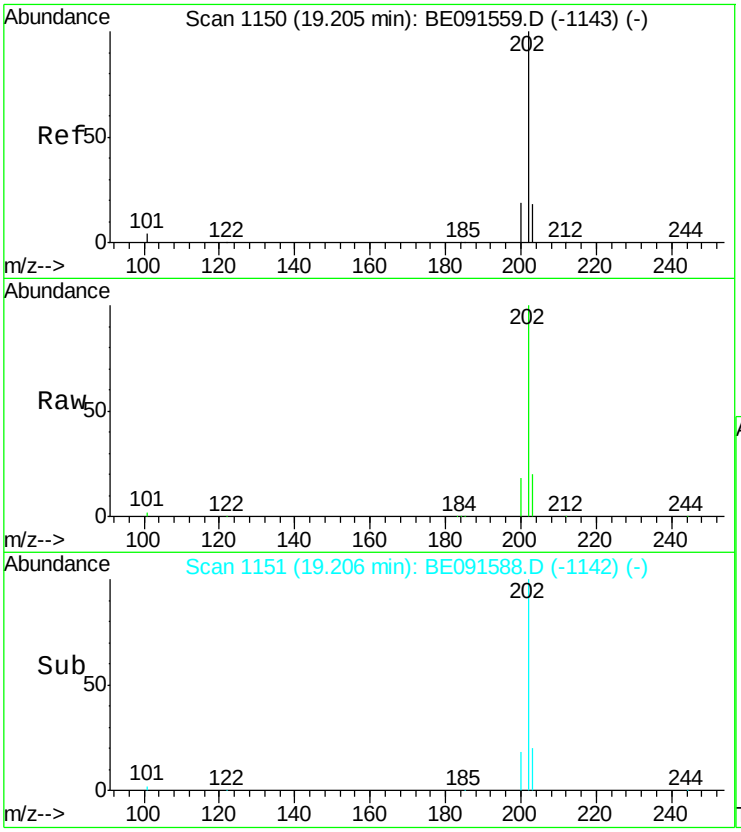


#20
Anthracene
Concen: 4.72 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:178 Resp: 276073

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.4	12.2	18.4

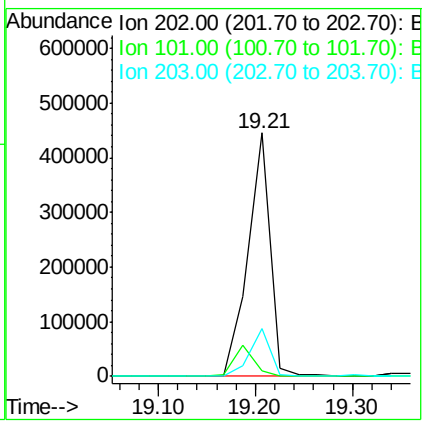




#21
Fluoranthene
Concen: 9.41 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:202 Resp: 702656

Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.3	12.5
203	18.2	13.9	20.9



Instrument :
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ClientSampleId :
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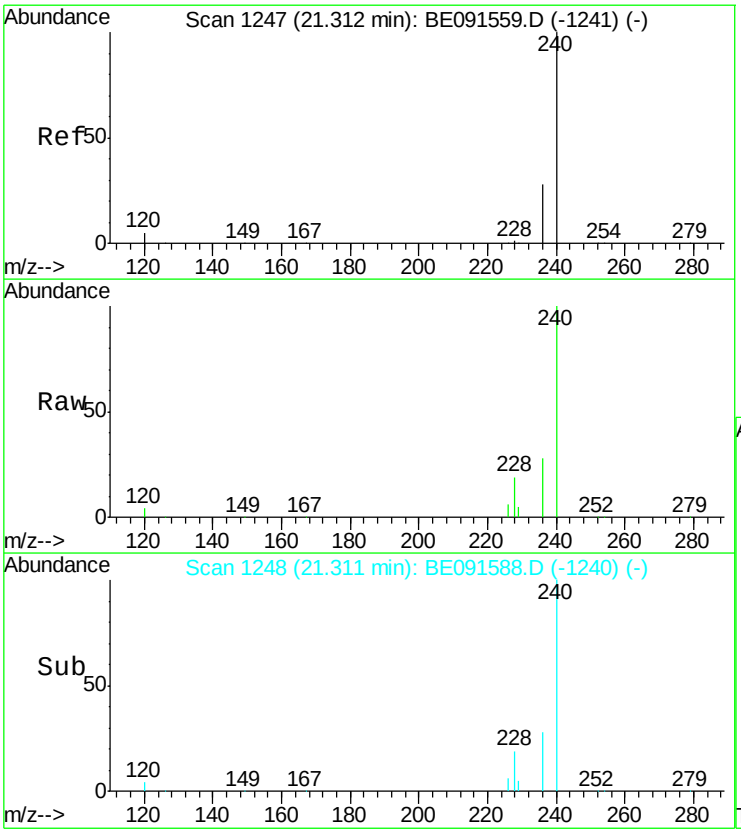
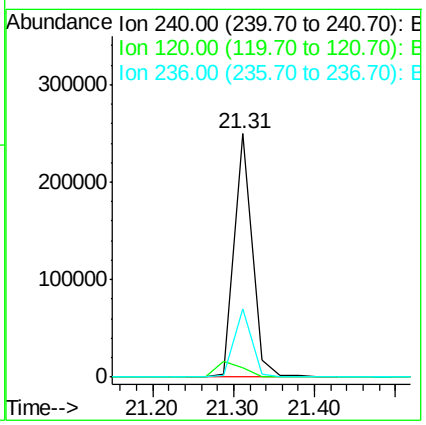
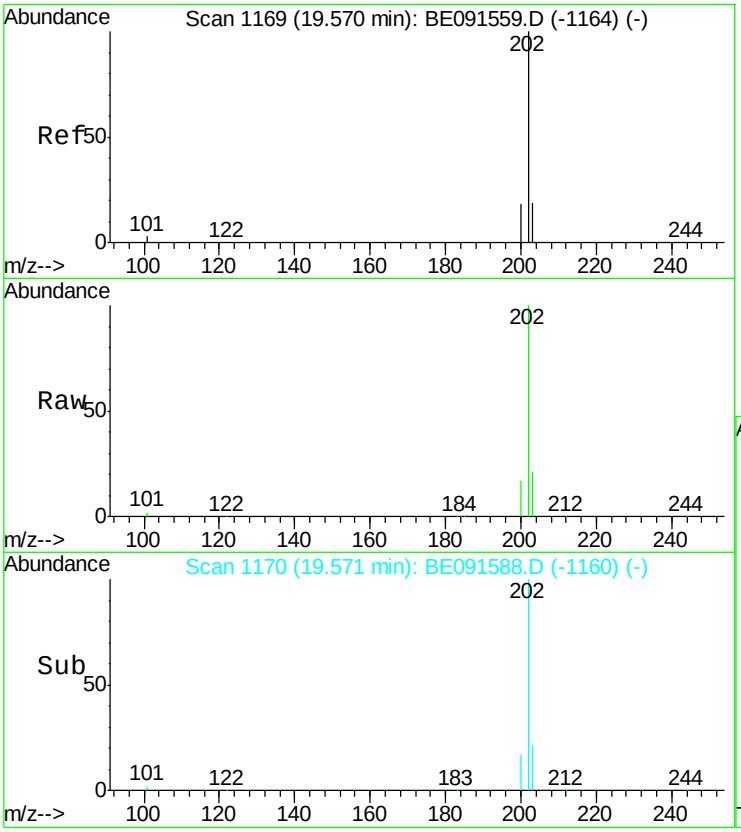


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:240 Resp: 378848

Ion	Ratio	Lower	Upper
240	100		
120	4.0	4.0	6.0
236	27.9	23.0	34.4





#23
Pyrene
Concen: 9.12 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:202 Resp: 704214

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.4	24.6
203	20.3	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
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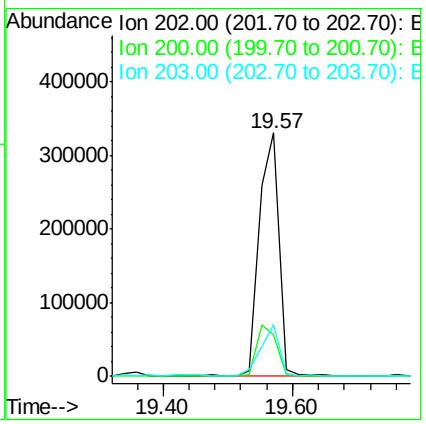
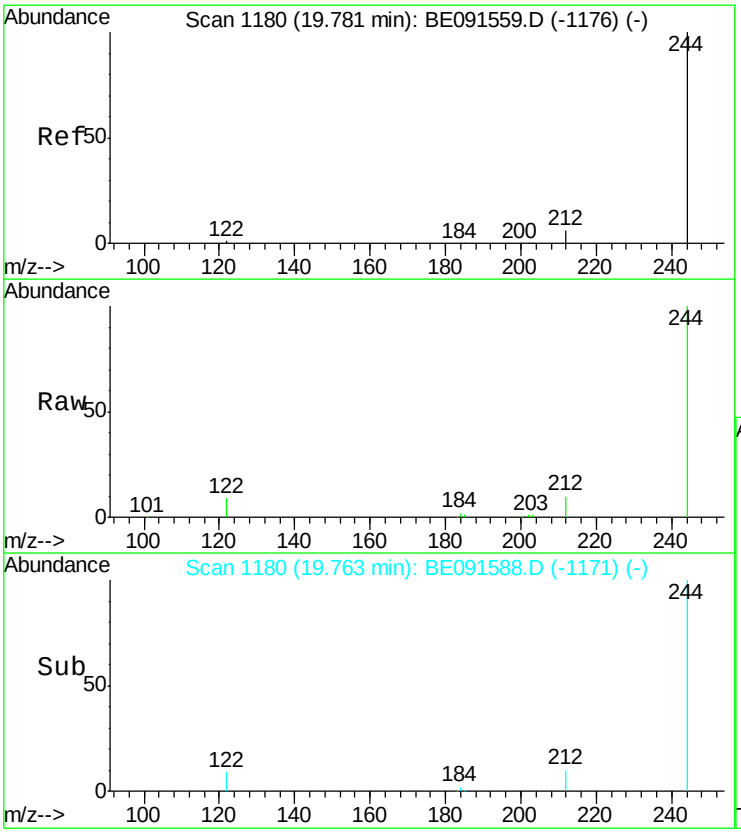
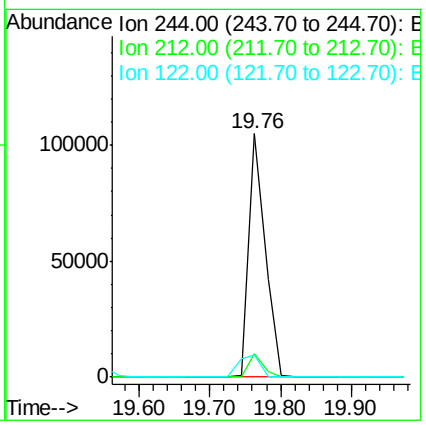


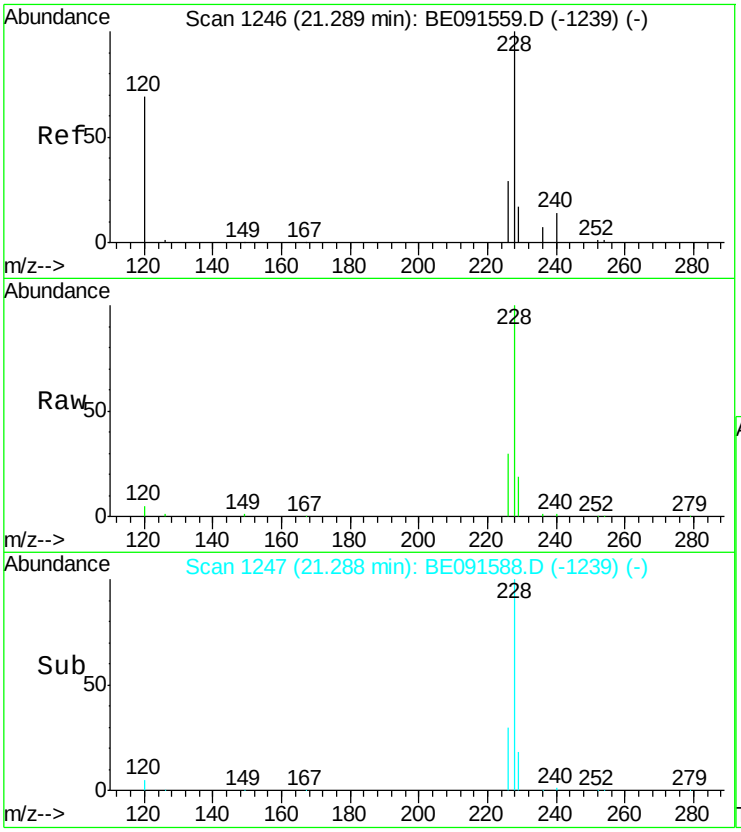


#24
Terphenyl-d14
Concen: 3.59 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:244 Resp: 172570

Ion	Ratio	Lower	Upper
244	100		
212	9.8	5.8	8.8#
122	9.3	1.8	2.8#

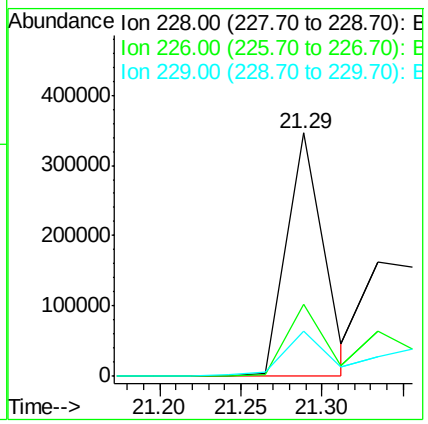




#25
Benzo(a)anthracene
Concen: 6.19 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:228 Resp: 550089

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	18.5	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
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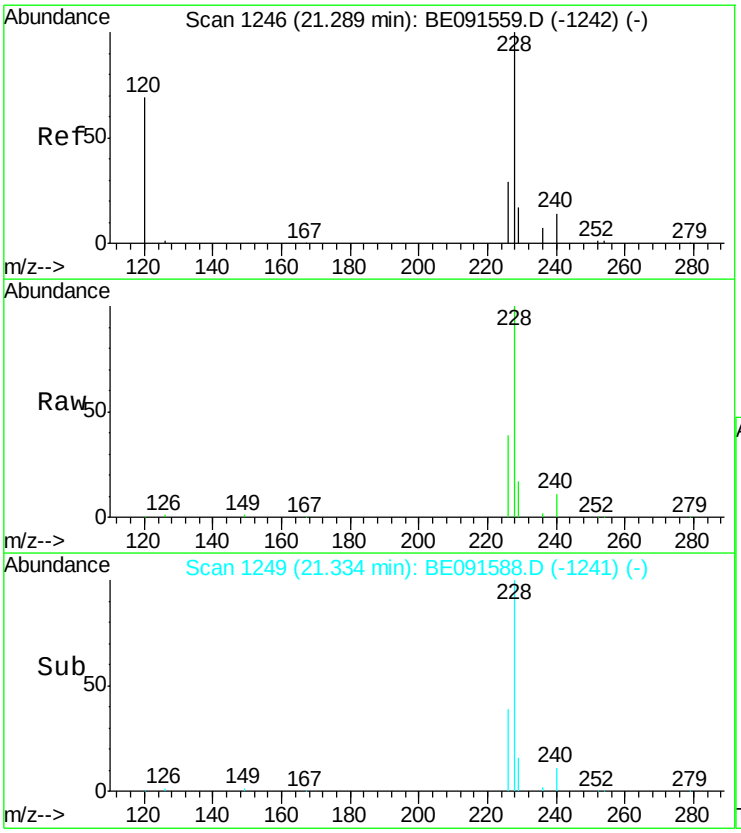
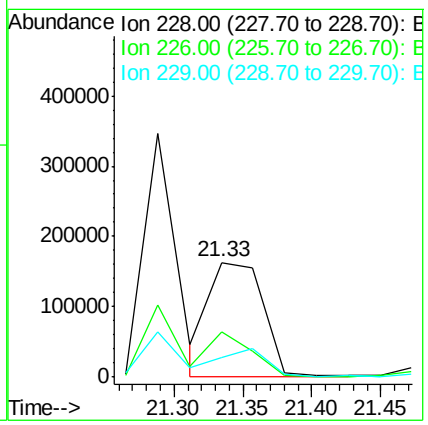
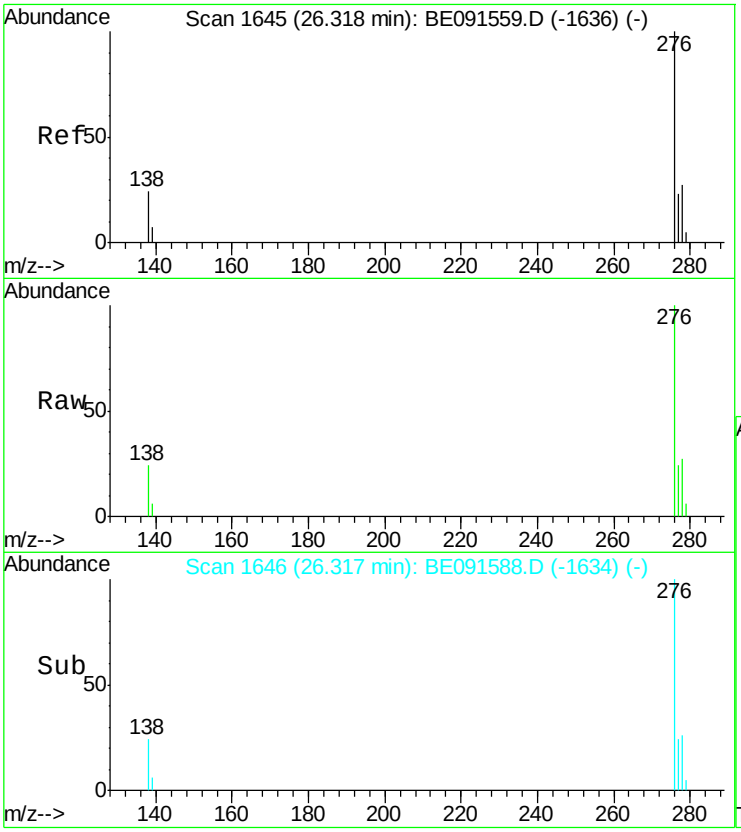


#26
Chrysene
Concen: 5.97 ng m
RT: 21.33 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:228 Resp: 454177

Ion	Ratio	Lower	Upper
228	100		
226	39.1	18.9	28.3#
229	16.6	19.1	28.7#

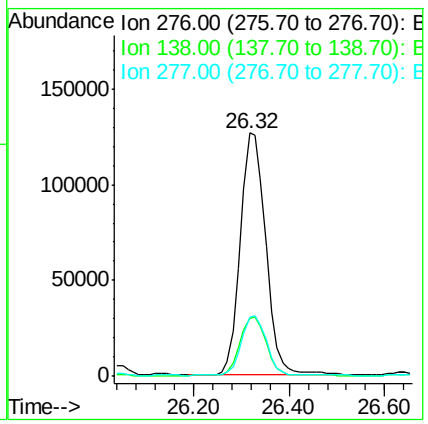




#27
Indeno(1,2,3-cd)pyrene
Concen: 5.36 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.06 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:276 Resp: 470153

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.2	30.4
277	23.8	19.8	29.8



Instrument :
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ClientSampleId :
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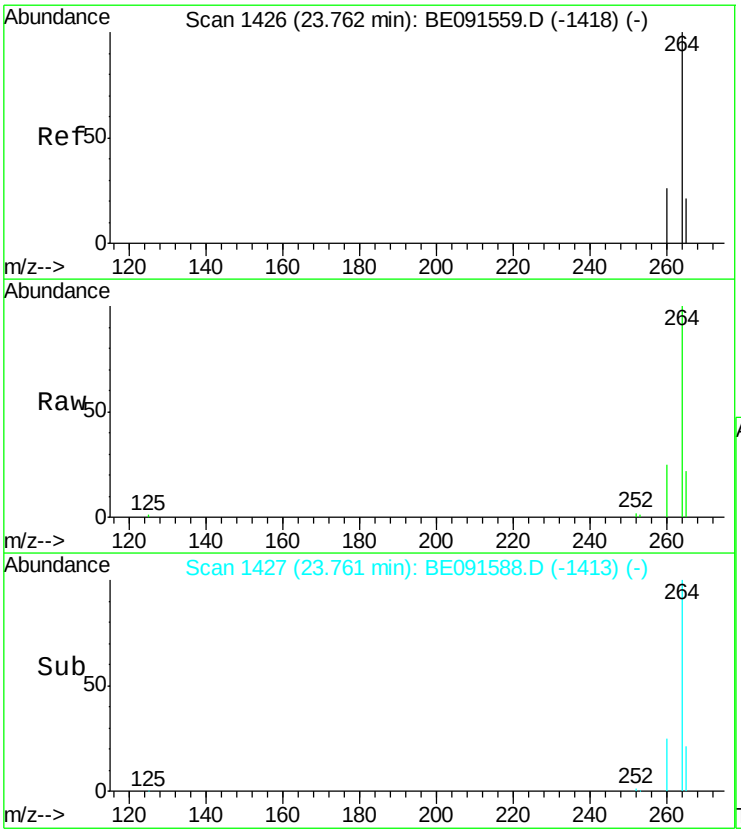
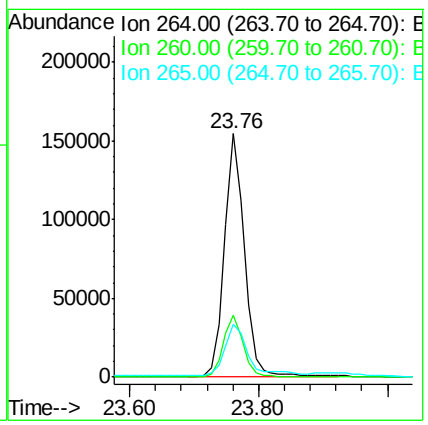
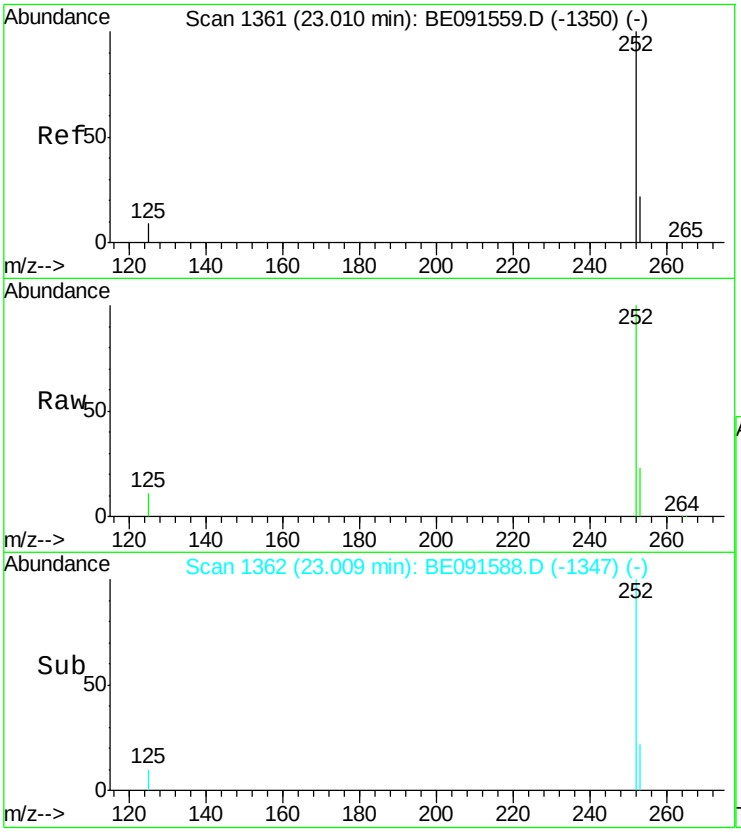


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:264 Resp: 330471

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.9	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 6.89 ng
RT: 23.01 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:252 Resp: 551865

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	10.7	9.8	14.6

Instrument :
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ClientSampleId :
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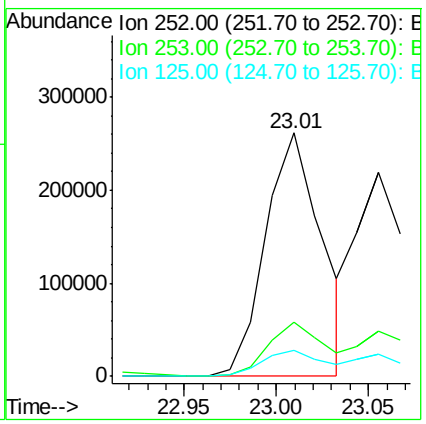
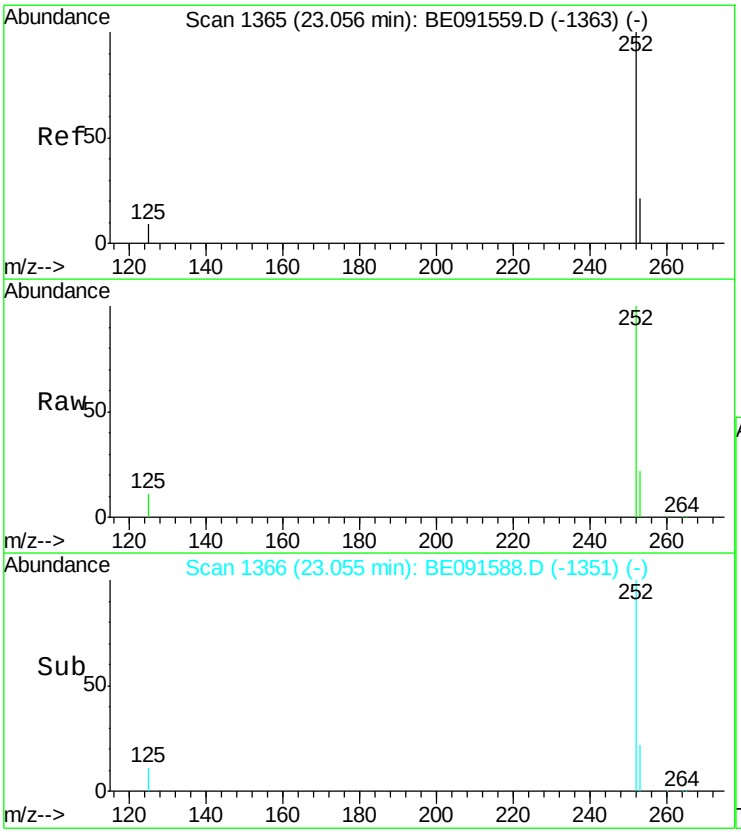
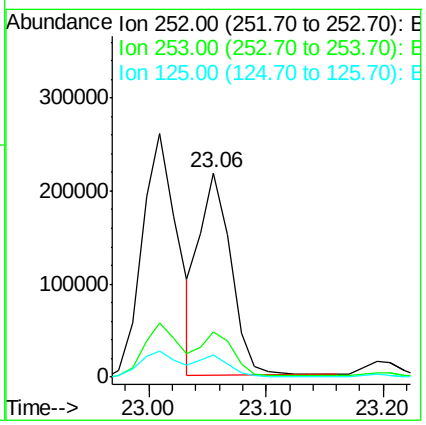


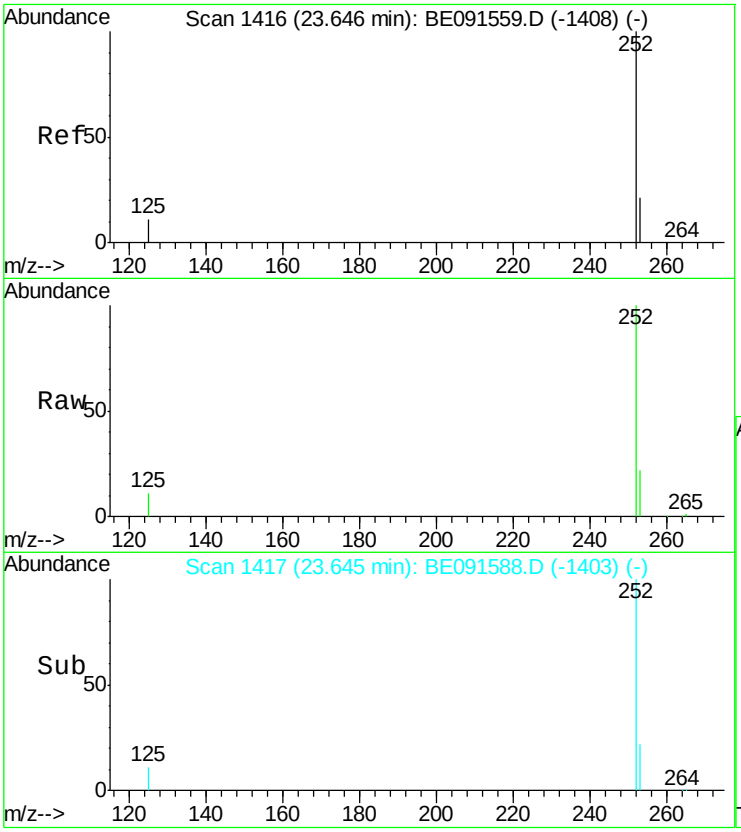


#30
Benzo(k)fluoranthene
Concen: 5.25 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:252 Resp: 407554

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.2	30.4
125	10.8	9.4	14.2





#31
Benzo(a)pyrene
Concen: 6.55 ng m
RT: 23.65 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:252 Resp: 480151

Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.4	29.0
125	11.2	11.4	17.2#

Instrument :
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ClientSampleId :
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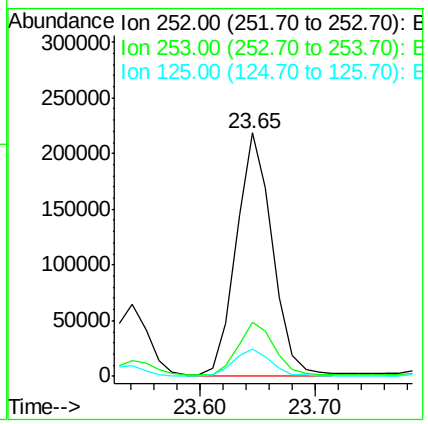
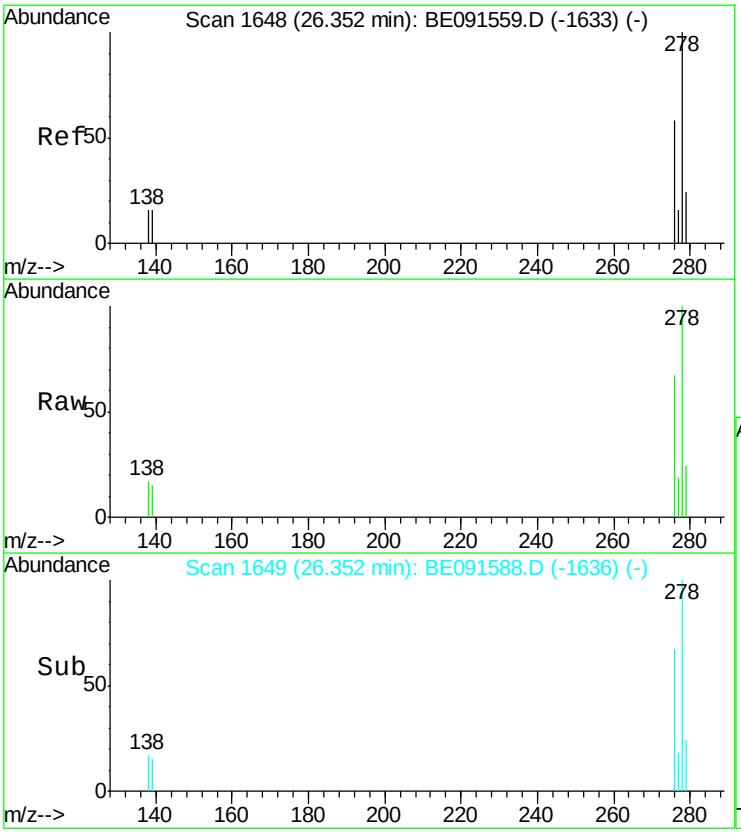
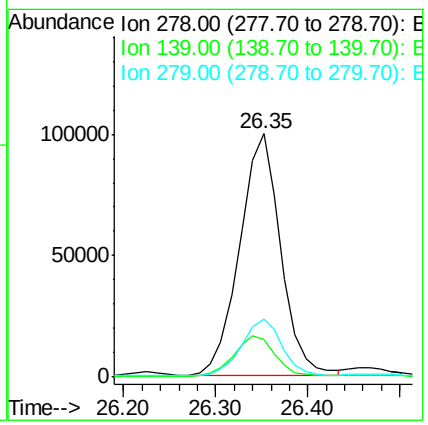


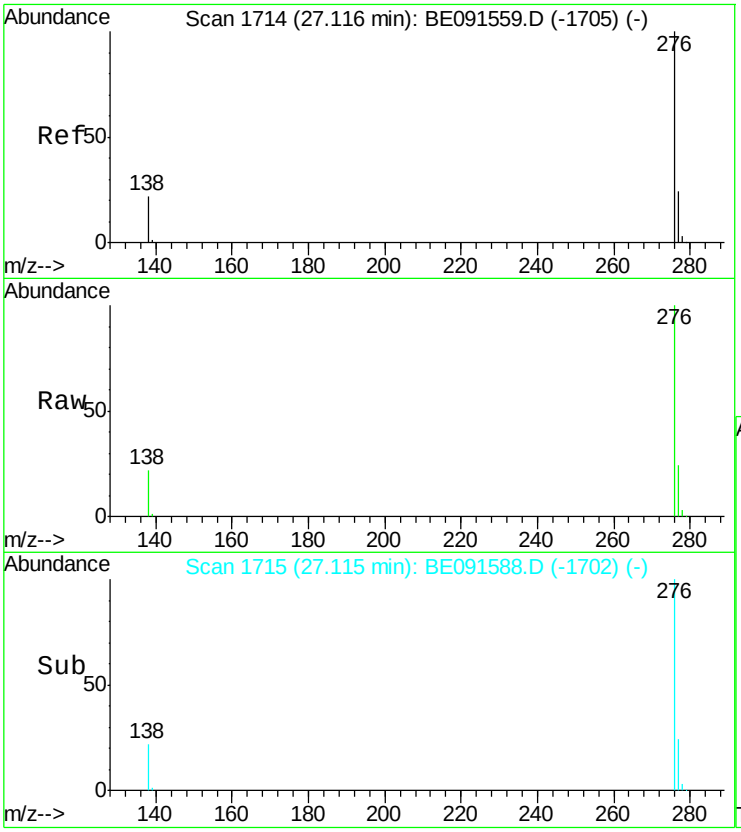


#32
Dibenzo(a,h)anthracene
Concen: 4.28 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.05 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:278 Resp: 307846

Ion	Ratio	Lower	Upper
278	100		
139	15.5	14.2	21.4
279	24.1	19.6	29.4

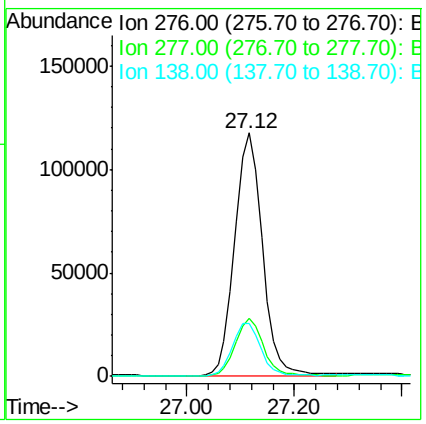




#33
Benzo(g,h,i)perylene
Concen: 5.71 ng
RT: 27.12 min Scan# 1715
Delta R.T. -0.05 min
Lab File: BE091588.D
Acq: 31 Mar 2016 18:39

Tgt Ion:276 Resp: 418873

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	21.8	18.2	27.4



Instrument :
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ClientSampleId :
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