Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE040116\
Data File : BE091587.D
Acq On : 31 Mar 2016 18:00
Operator : UM/SJ
Sample : PB89066BS
Misc : LOQ WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB89066BS

Manual Integrations APPROVED
Sohil
4/1/2016 9:42:31 PM

Quant Time: Apr 01 01:07:02 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	38575	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	172605	5.00	ng		0.00
10) Acenaphthene-d10	14.42	164	102358	5.00	ng		-0.03
16) Phenanthrene-d10	17.16	188	268984	5.00	ng		-0.01
22) Chrysene-d12	21.31	240	338269	5.00	ng		-0.02
28) Perylene-d12	23.76	264	288565	5.00	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	55042	5.45	ng		-0.02
5) Phenol-d6	6.97	99	76193	5.58	ng		-0.02
7) Nitrobenzene-d5	8.96	82	34521	2.98	ng		-0.02
11) 2,4,6-Tribromophenol	15.90	330	22362	4.93	ng		-0.02
12) 2-Fluorobiphenyl	13.05	172	94091	3.23	ng		-0.02
24) Terphenyl-d14	19.76	244	144846	3.37	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	13513	2.95	ng		95
3) n-Nitrosodimethylamine	3.64	42	20050	2.86	ng	#	93
8) Naphthalene	10.63	128	103419	2.90	ng		96
9) 2-Methylnaphthalene	12.24	142	72361	3.10	ng	#	88
13) Acenaphthylene	14.14	152	121981	2.96	ng		100
14) Acenaphthene	14.49	154	78429	3.10	ng		96
15) Fluorene	15.46	166	95749	2.94	ng		100
17) Hexachlorobenzene	16.46	284	27707	2.80	ng		98
18) Pentachlorophenol	16.79	266	31108	5.60	ng		88
19) Phenanthrene	17.20	178	173559	2.76	ng		99
20) Anthracene	17.29	178	161114	2.77	ng		99
21) Fluoranthene	19.21	202	200320	2.70	ng		99
23) Pyrene	19.57	202	210556	3.05	ng		99
25) Benzo(a)anthracene	21.29	228	248735m	3.13	ng		
26) Chrysene	21.33	228	193175m	2.84	ng		
27) Indeno(1,2,3-cd)pyrene	26.33	276	237660	3.04	ng		99
29) Benzo(b)fluoranthene	23.01	252	223594m	3.19	ng		
30) Benzo(k)fluoranthene	23.06	252	211839	3.13	ng		94
31) Benzo(a)pyrene	23.65	252	203029	3.17	ng	#	93
32) Dibenzo(a,h)anthracene	26.35	278	199836	3.18	ng		97
33) Benzo(g,h,i)perylene	27.12	276	201249	3.14	ng		98

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

Quantitation Report (QT Reviewed)

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Data File : BE091587.D
Acq On : 31 Mar 2016 18:00
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ALS Vial : 11 Sample Multiplier: 1

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Instrument :
BNA_E
ClientSampleId :
PB89066BS

Manual Integrations APPROVED
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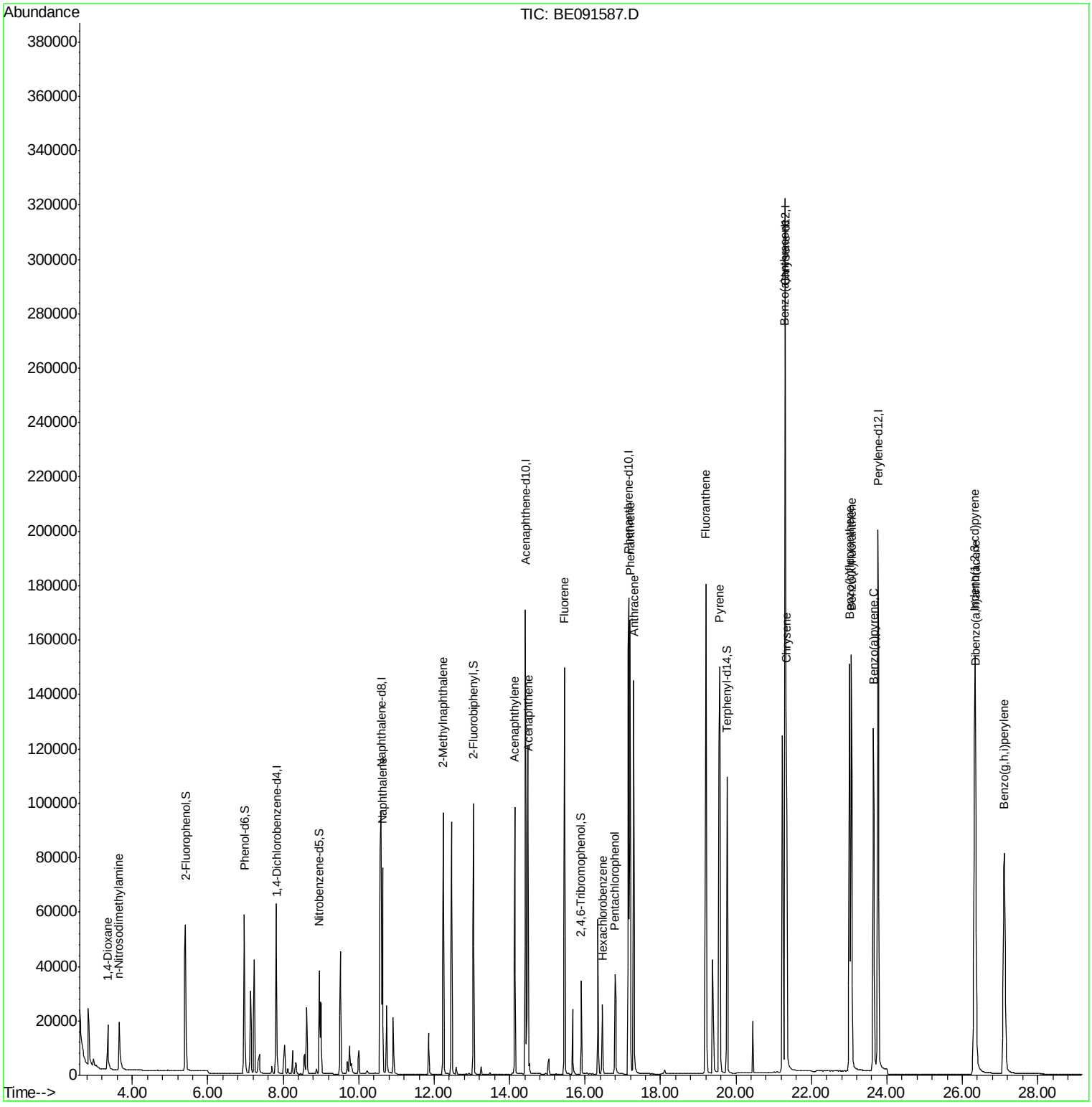
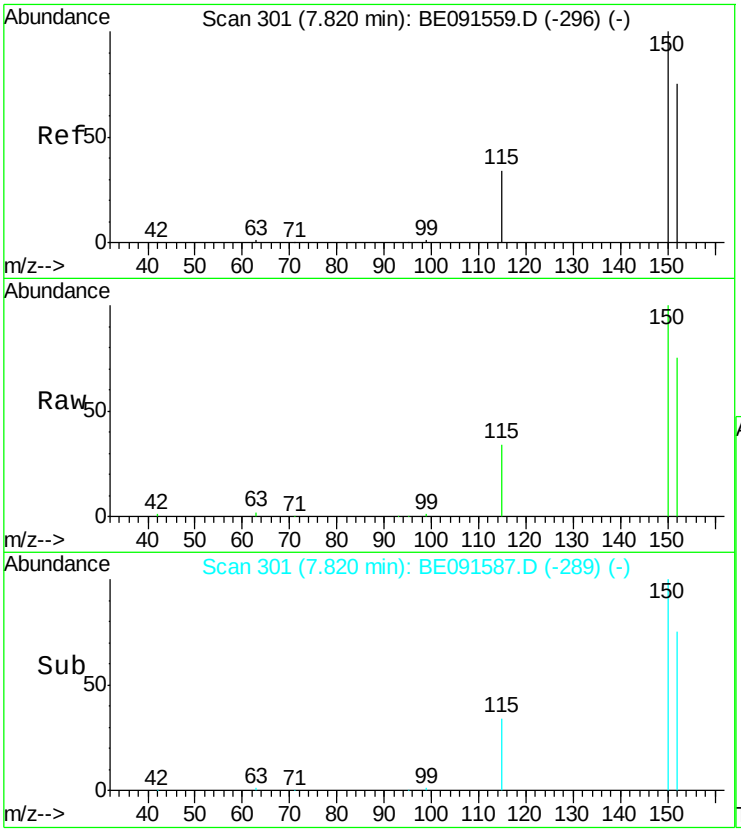
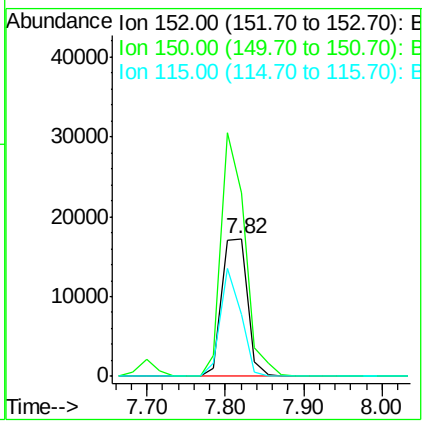




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:152 Resp: 38575

Ion	Ratio	Lower	Upper
152	100		
150	132.8	122.2	183.2
115	44.8	45.9	68.9#



Instrument :
BNA_E
ClientSampleId :
PB89066BS

Manual Integrations APPROVED
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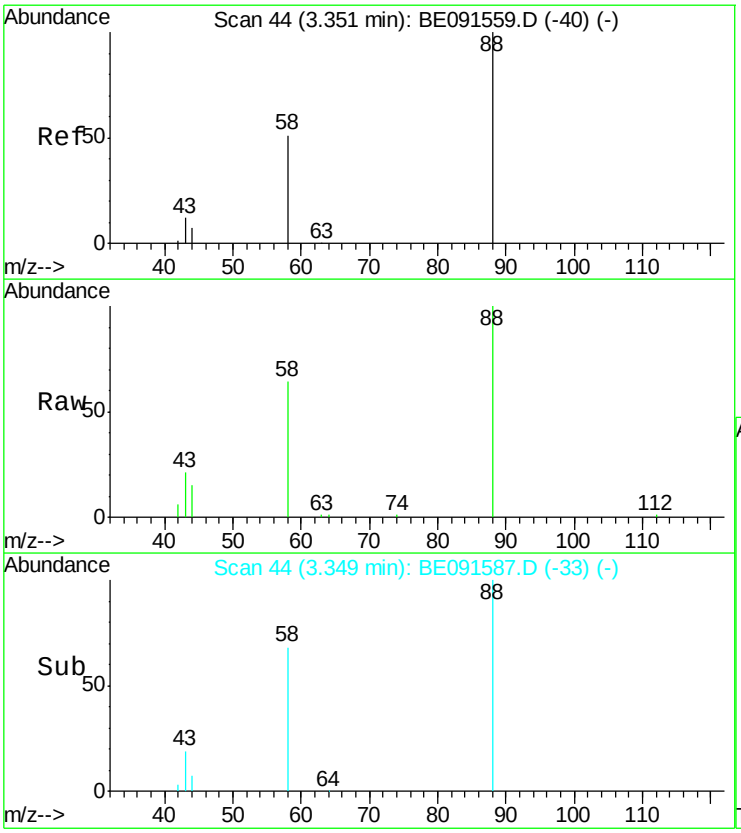
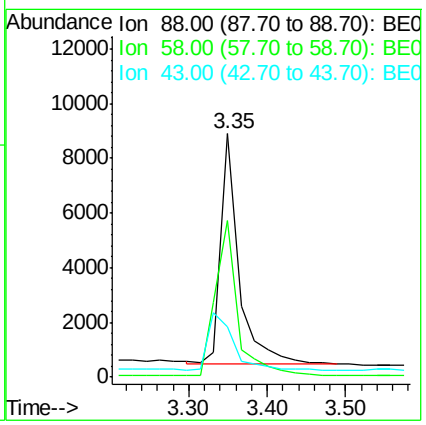
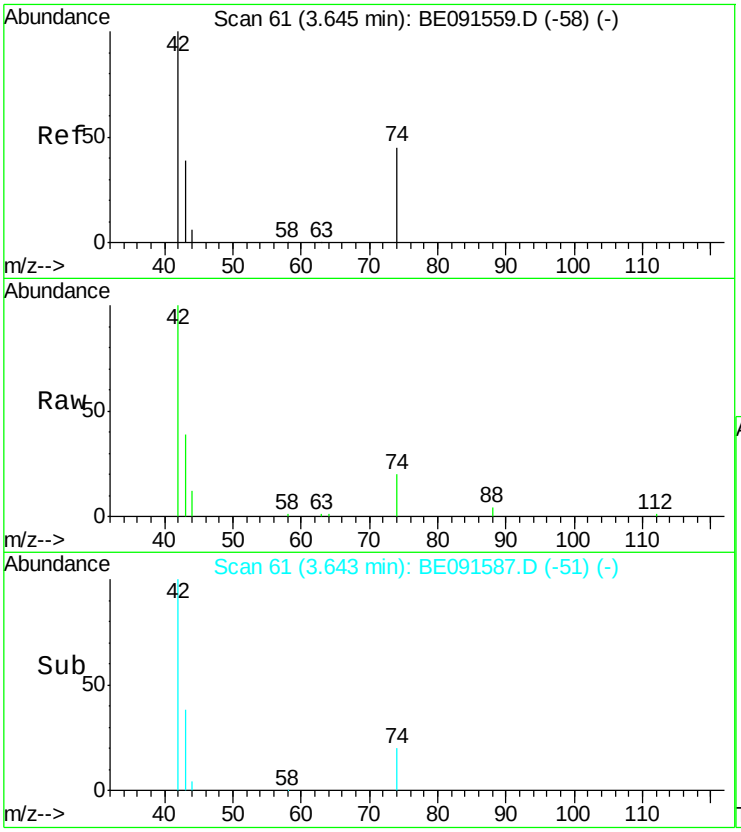


#2
1,4-Dioxane
Concen: 2.95 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion: 88 Resp: 13513

Ion	Ratio	Lower	Upper
88	100		
58	80.4	61.0	91.6
43	34.9	25.4	38.2





#3
n-Nitrosodimethylamine
Concen: 2.86 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion: 42 Resp: 20050

Ion	Ratio	Lower	Upper
42	100		
74	97.9	84.3	126.5
44	6.2	6.7	10.1#

Instrument :
BNA_E
ClientSampleId :
PB89066BS

Manual Integrations APPROVED
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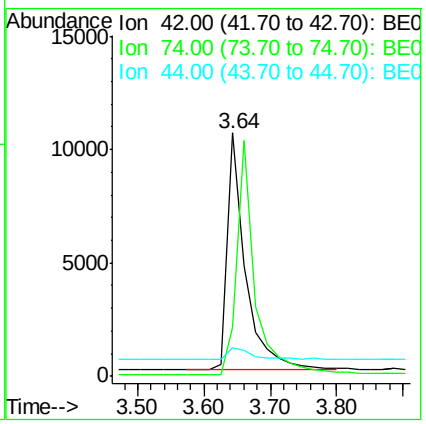
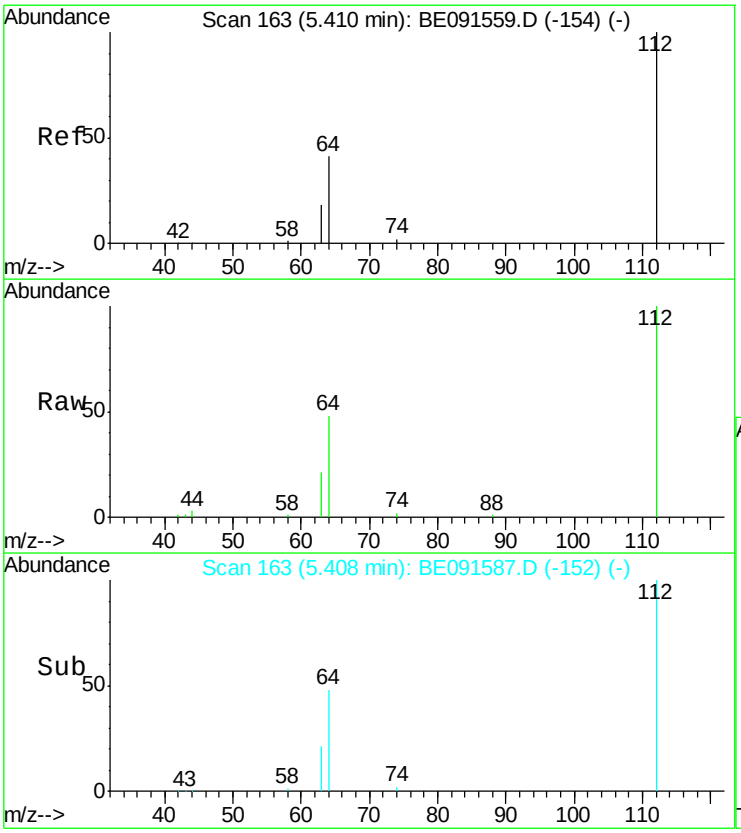
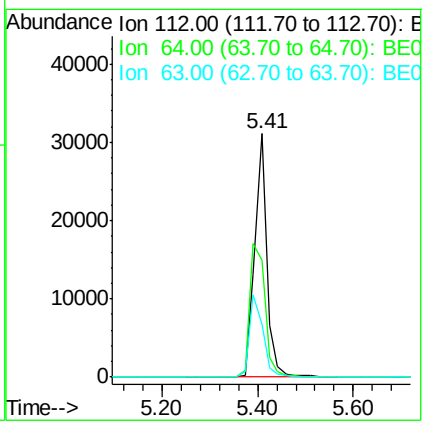


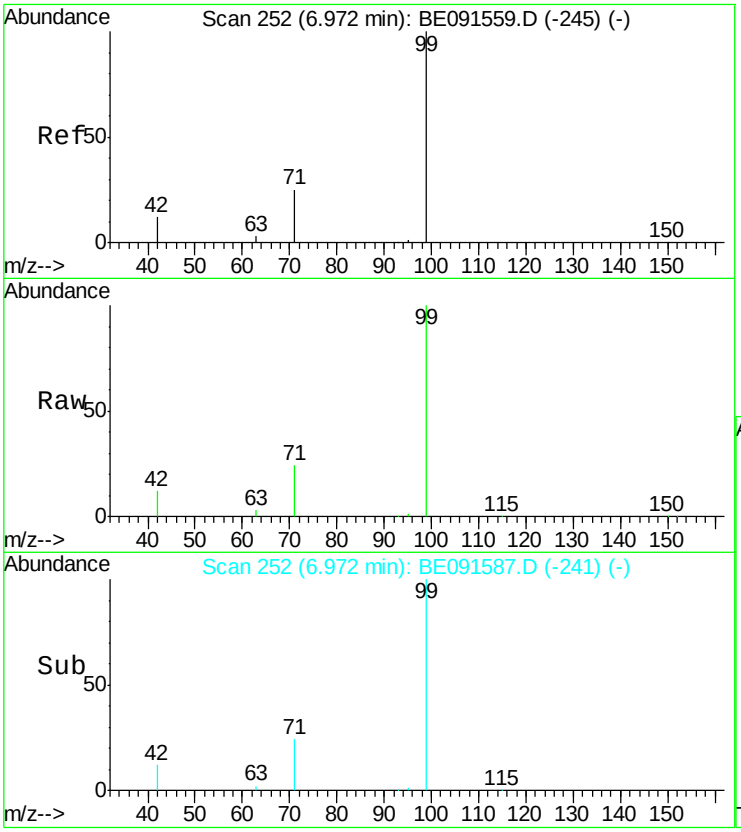


#4
2-Fluorophenol
Concen: 5.45 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:112 Resp: 55042

Ion	Ratio	Lower	Upper
112	100		
64	68.2	53.3	79.9
63	36.6	29.8	44.8

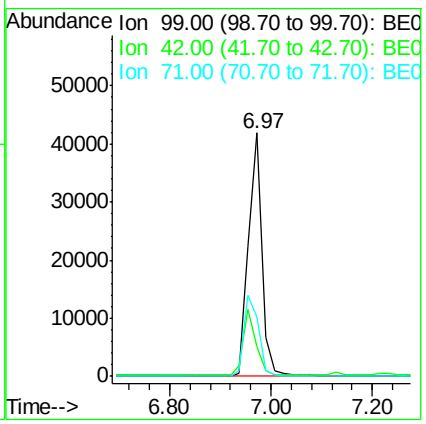




#5
Phenol-d6
Concen: 5.58 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion: 99 Resp: 76193

Ion	Ratio	Lower	Upper
99	100		
42	25.7	20.6	30.8
71	36.0	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB89066BS

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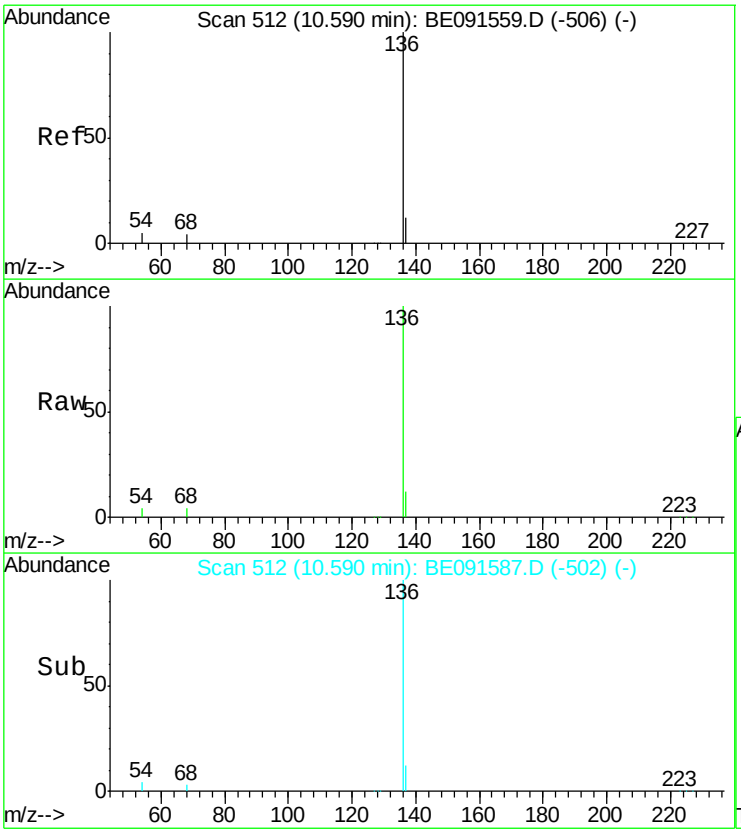
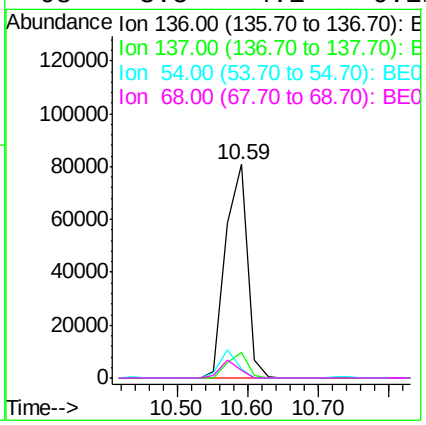
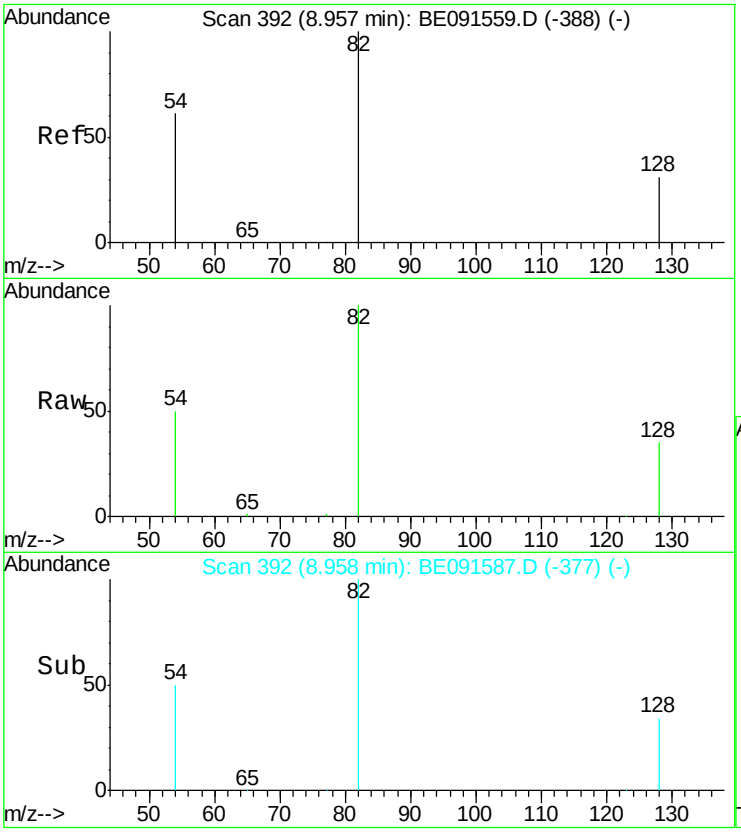


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:136 Resp: 172605

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	4.2	5.2	7.8#
68	3.5	4.1	6.1#





#7
Nitrobenzene-d5
Concen: 2.98 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion: 82 Resp: 34521

Ion	Ratio	Lower	Upper
82	100		
128	34.7	23.5	35.3
54	50.4	52.4	78.6#

Instrument :
BNA_E
ClientSampleId :
PB89066BS

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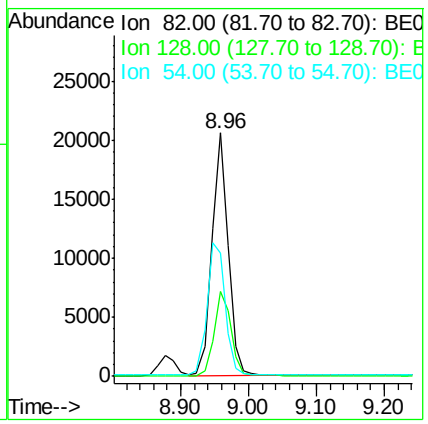
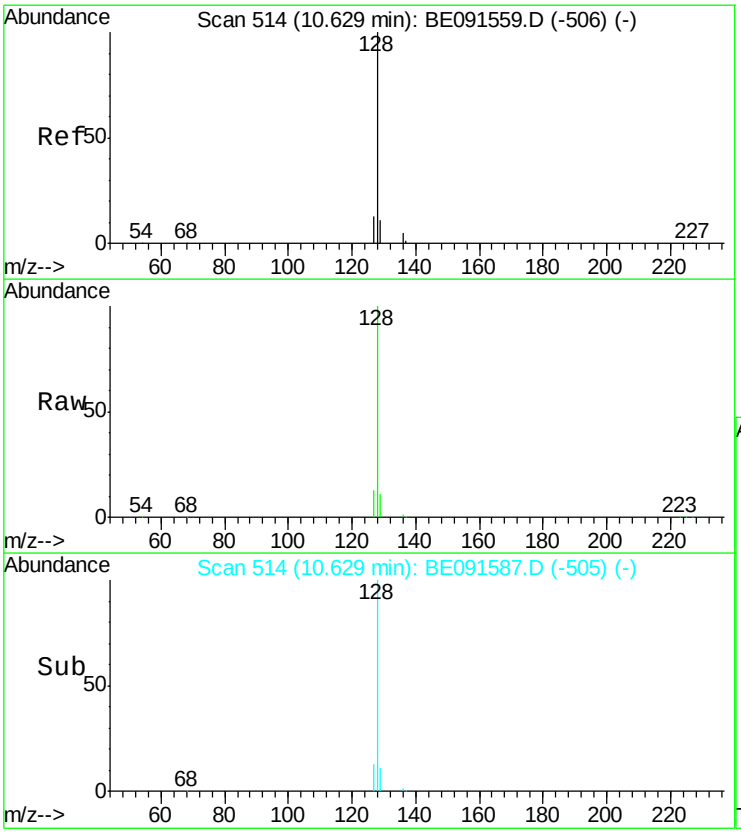
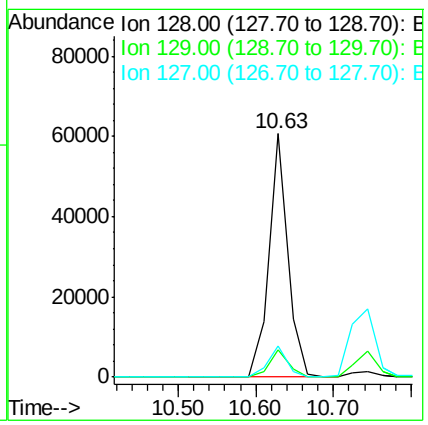


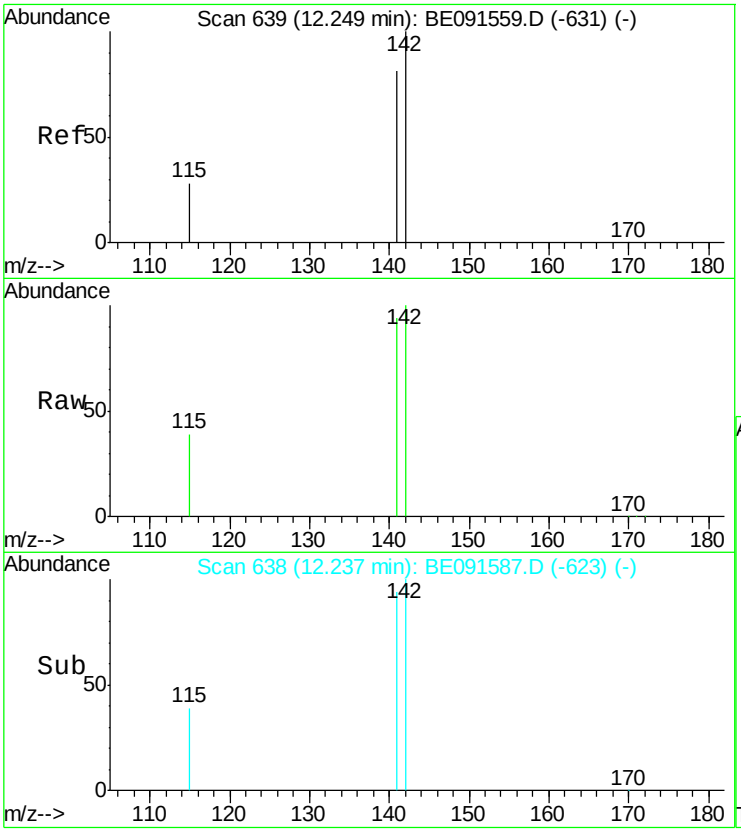


#8
Naphthalene
Concen: 2.90 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:128 Resp: 103419

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

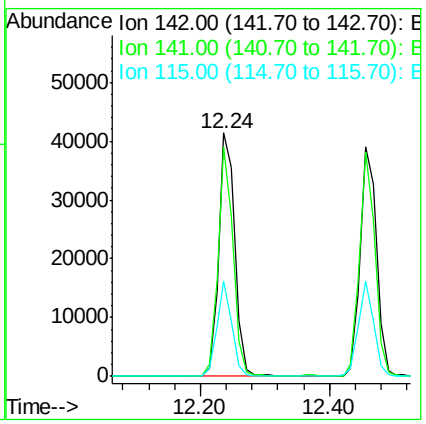




#9
2-Methylnaphthalene
Concen: 3.10 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:142 Resp: 72361

Ion	Ratio	Lower	Upper
142	100		
141	94.3	66.9	100.3
115	38.9	25.1	37.7#



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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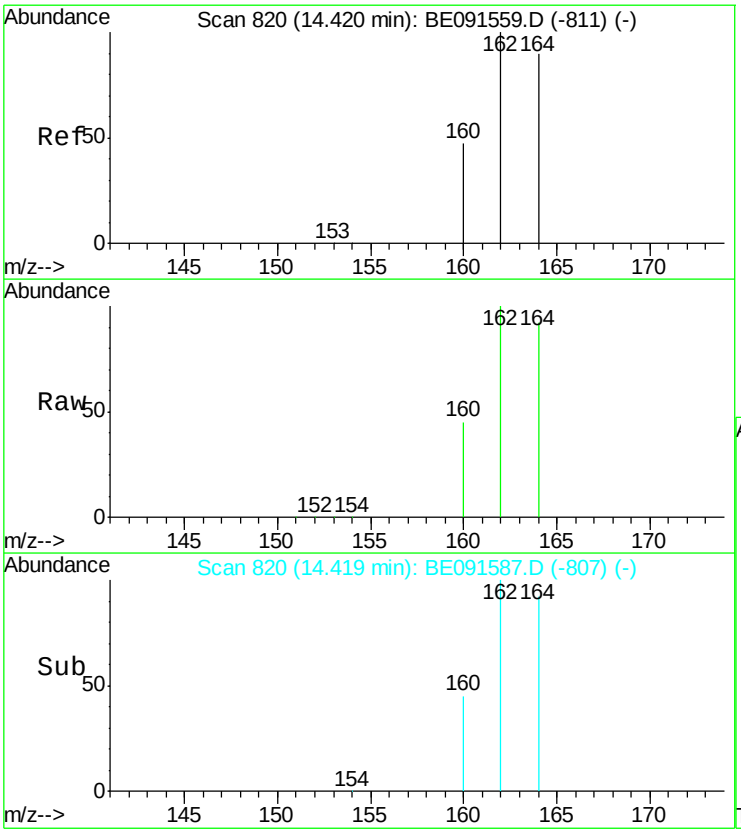
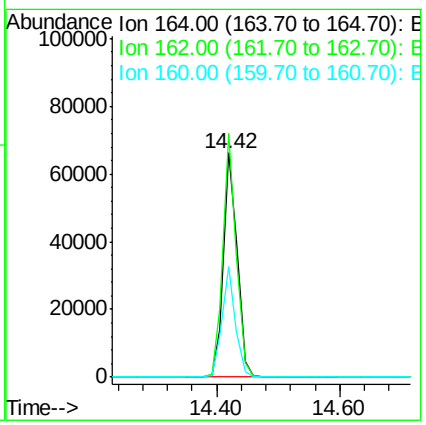
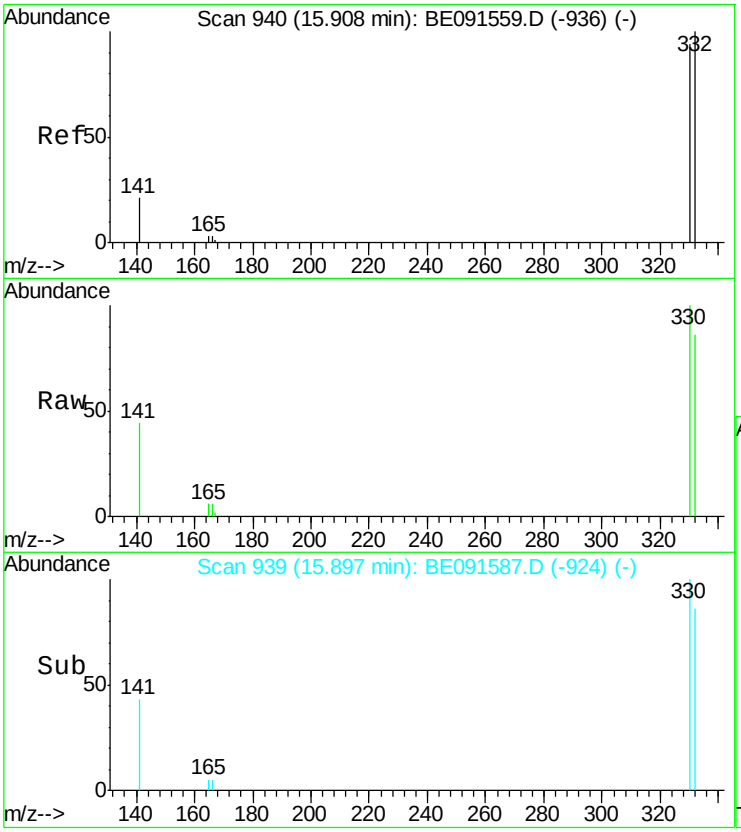


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.03 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:164 Resp: 102358

Ion	Ratio	Lower	Upper
164	100		
162	108.7	84.4	126.6
160	49.4	37.7	56.5

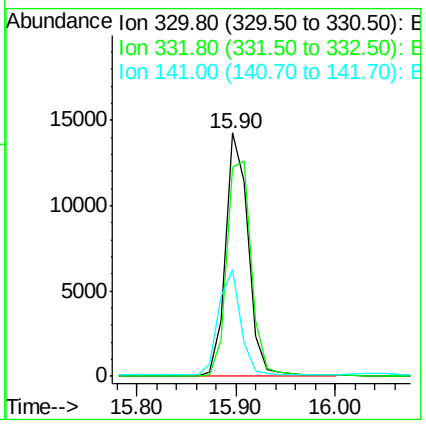




#11
2,4,6-Tribromophenol
Concen: 4.93 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:330 Resp: 22362

Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.2	118.8
141	42.8	28.1	42.1#



Instrument :
BNA_E
ClientSampleId :
PB89066BS

Manual Integrations APPROVED
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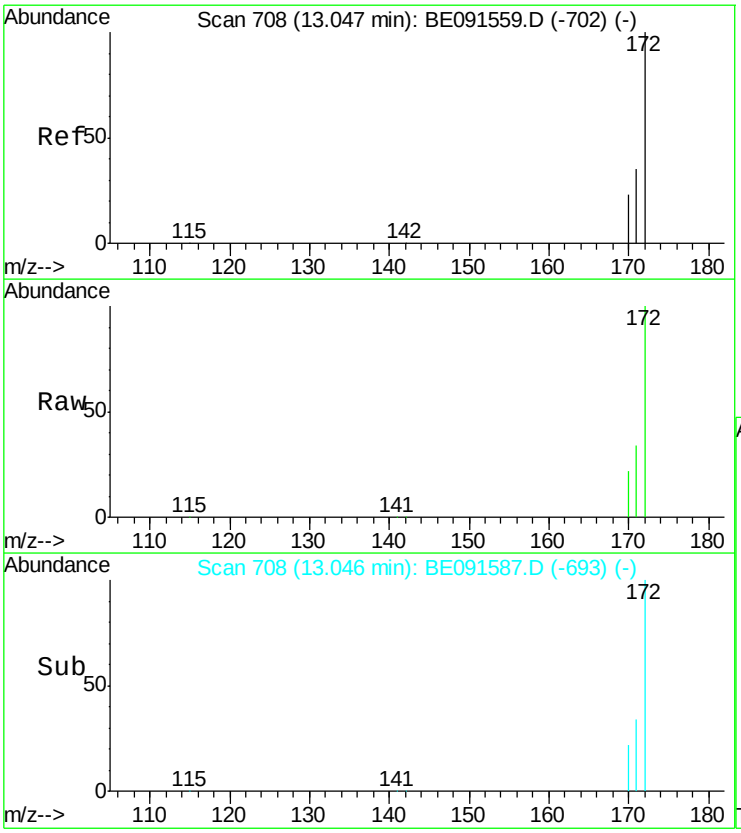
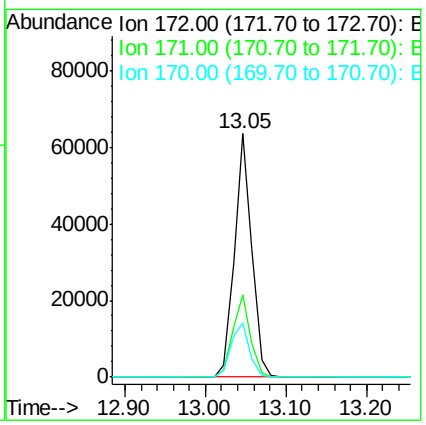
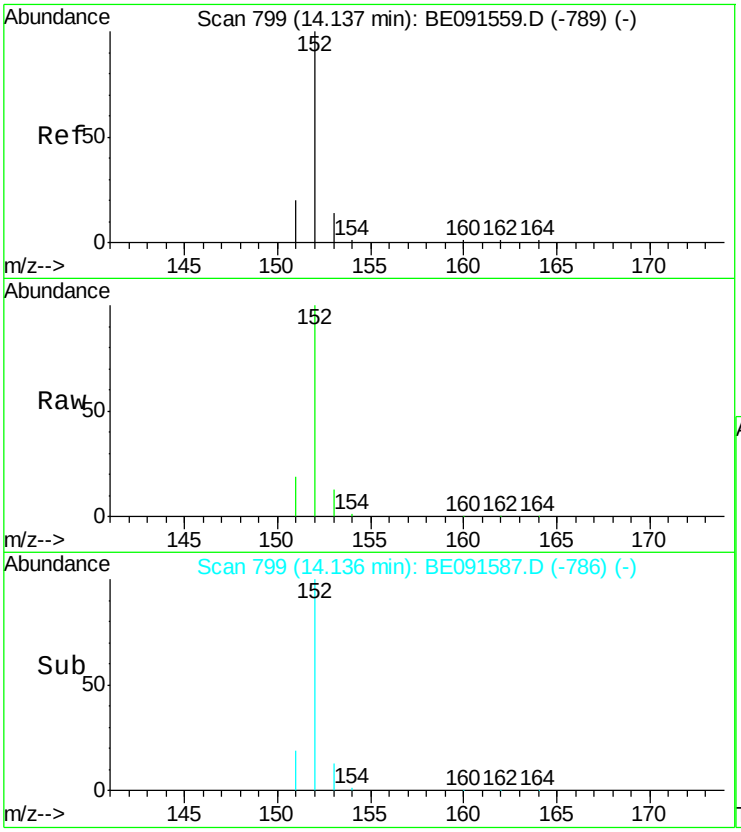


#12
2-Fluorobiphenyl
Concen: 3.23 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:172 Resp: 94091

Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.8	44.8
170	22.3	21.4	32.2

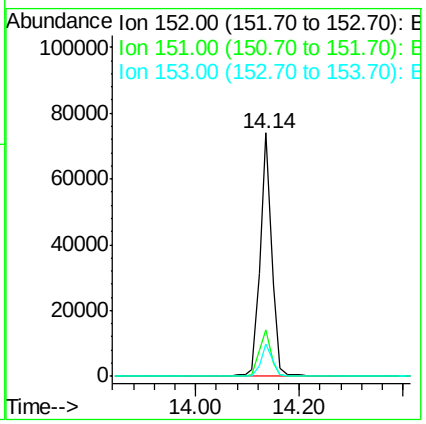




#13
Acenaphthylene
Concen: 2.96 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.01 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:152 Resp: 121981

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.7	11.1	16.7



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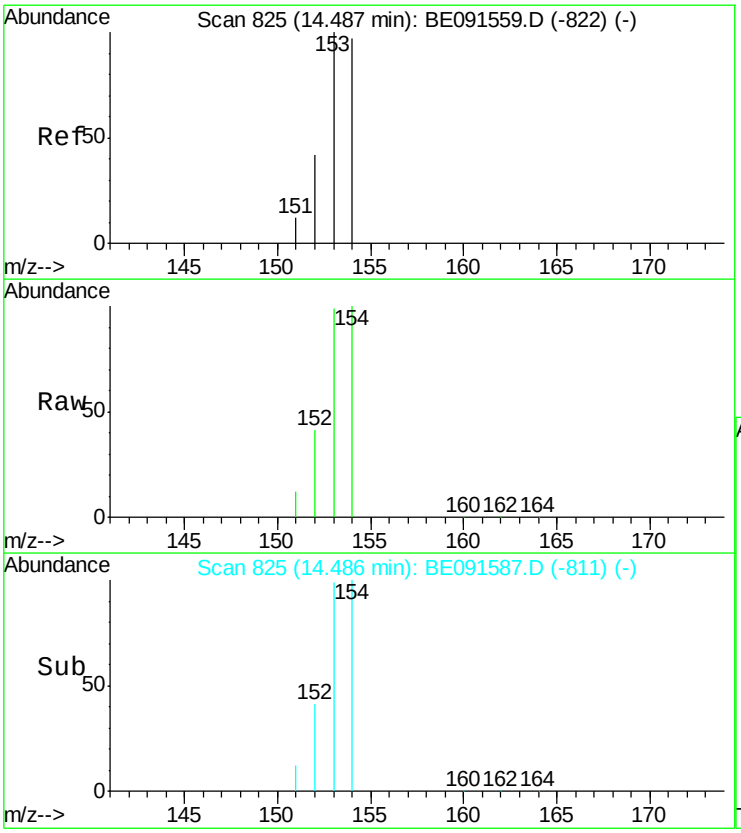
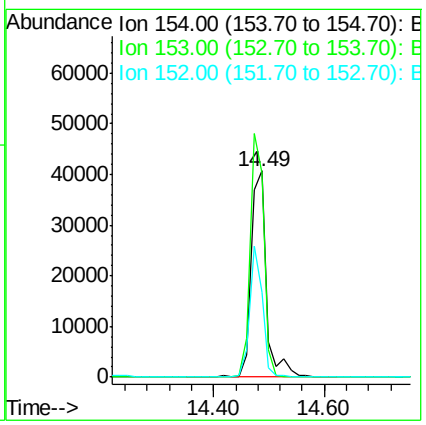
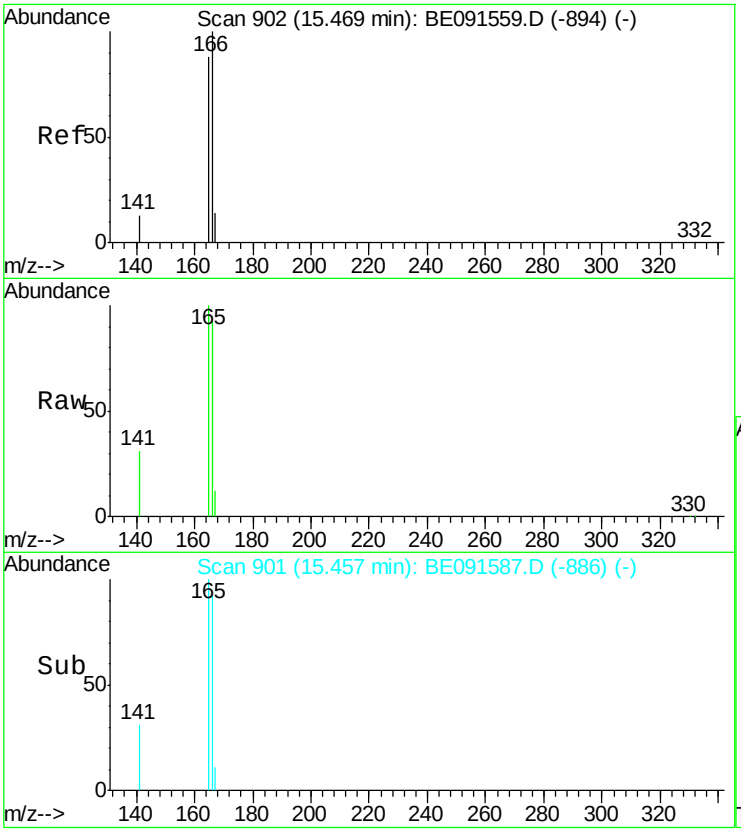


#14
Acenaphthene
Concen: 3.10 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:154 Resp: 78429

Ion	Ratio	Lower	Upper
154	100		
153	105.0	87.3	130.9
152	51.6	42.9	64.3

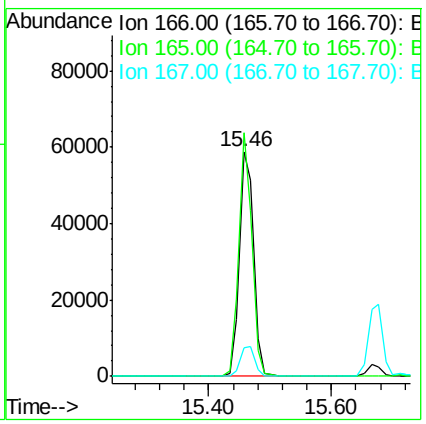




#15
Fluorene
Concen: 2.94 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:166 Resp: 95749

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.2	118.8
167	13.6	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
PB89066BS

Manual Integrations APPROVED
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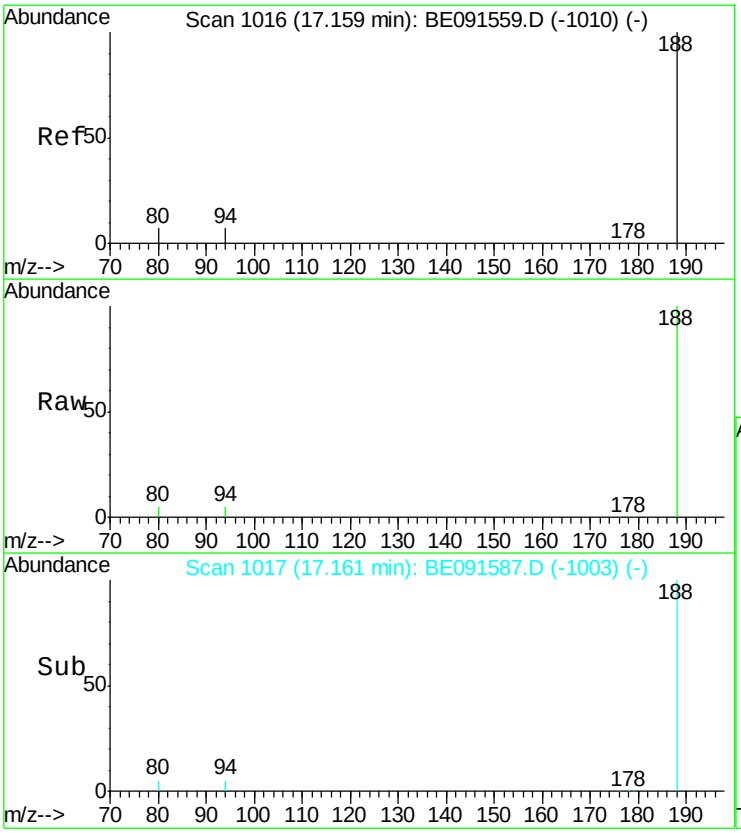
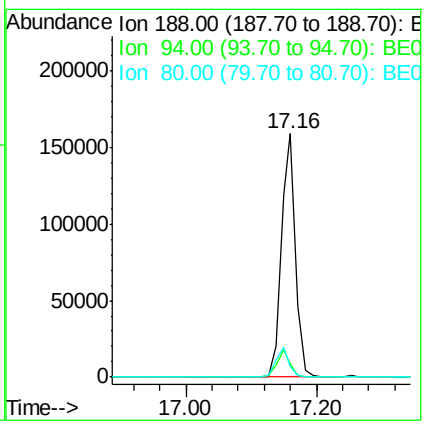
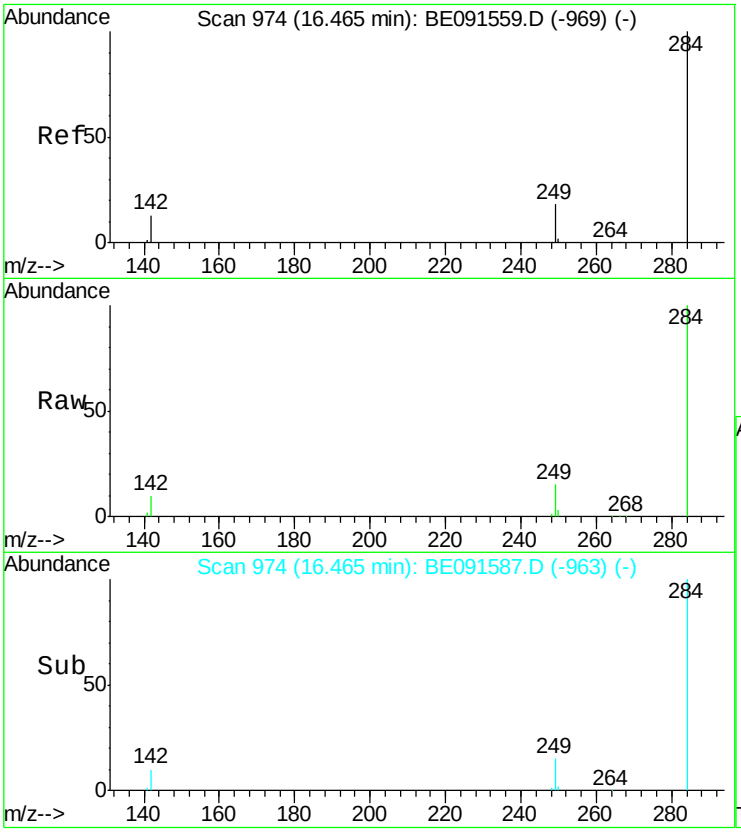


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:188 Resp: 268984

Ion	Ratio	Lower	Upper
188	100		
94	5.4	5.4	8.2#
80	4.6	5.0	7.4#

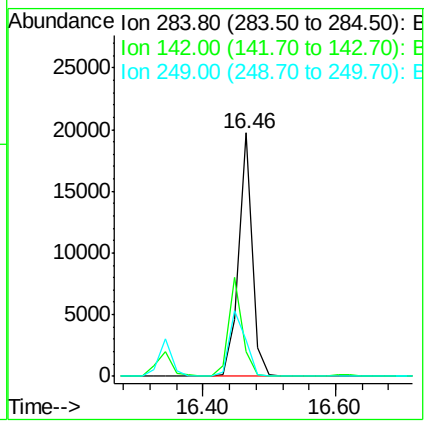




#17
Hexachlorobenzene
Concen: 2.80 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:284 Resp: 27707

Ion	Ratio	Lower	Upper
284	100		
142	40.7	31.0	46.4
249	31.9	25.8	38.8



Instrument :
BNA_E
ClientSampleId :
PB89066BS

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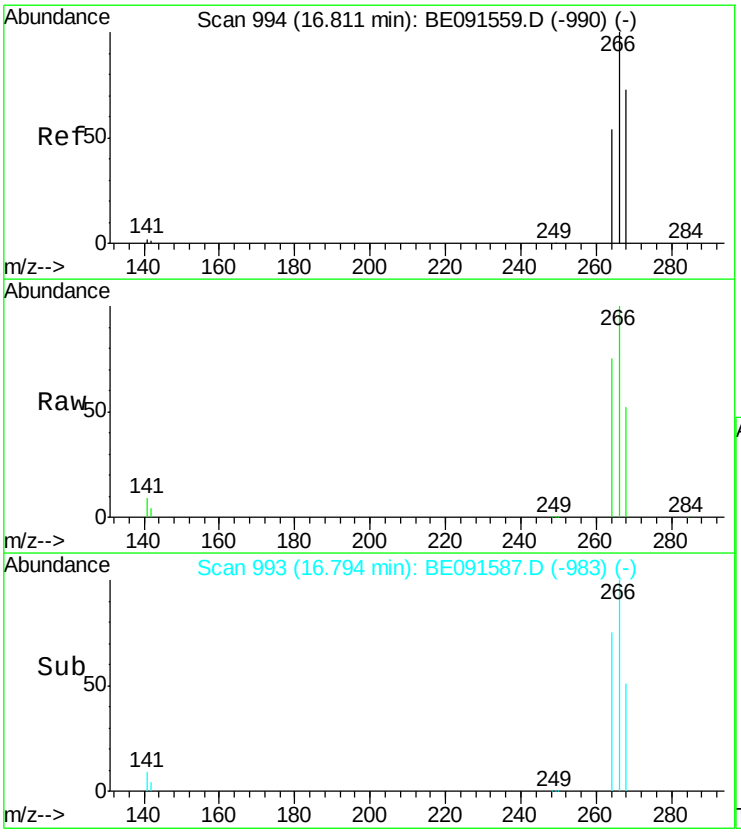
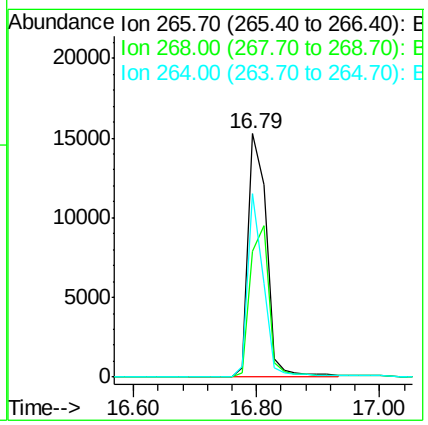
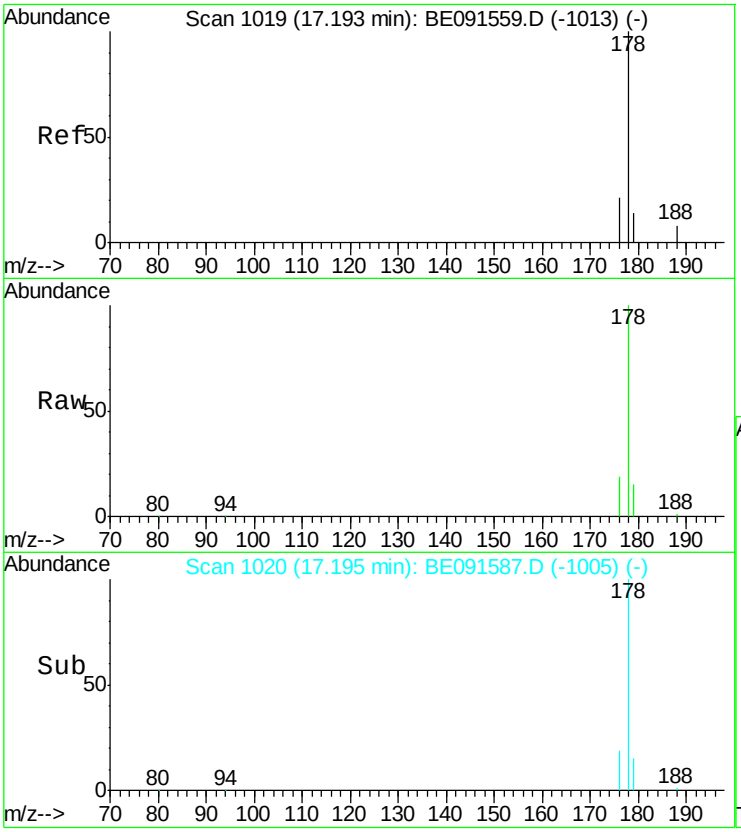


#18
Pentachlorophenol
Concen: 5.60 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.03 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:266 Resp: 31108

Ion	Ratio	Lower	Upper
266	100		
268	51.6	48.2	72.2
264	75.5	52.1	78.1

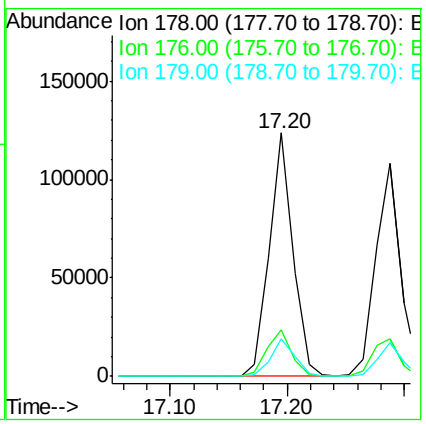




#19
Phenanthrene
Concen: 2.76 ng
RT: 17.20 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:178 Resp: 173559

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.4	13.1	19.7



Instrument :
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ClientSampleId :
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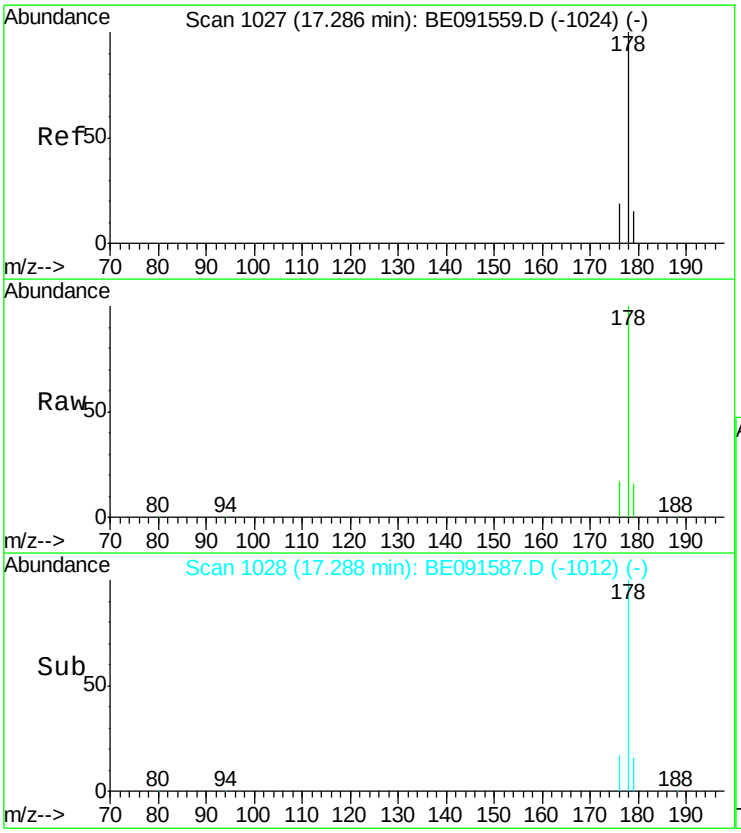
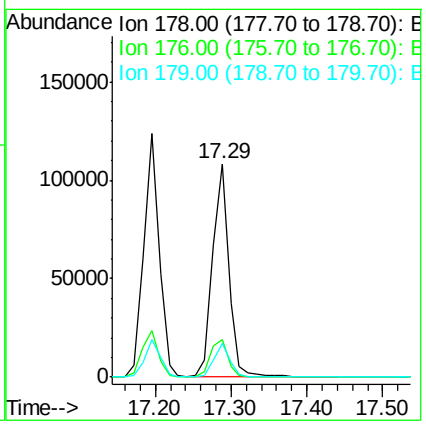
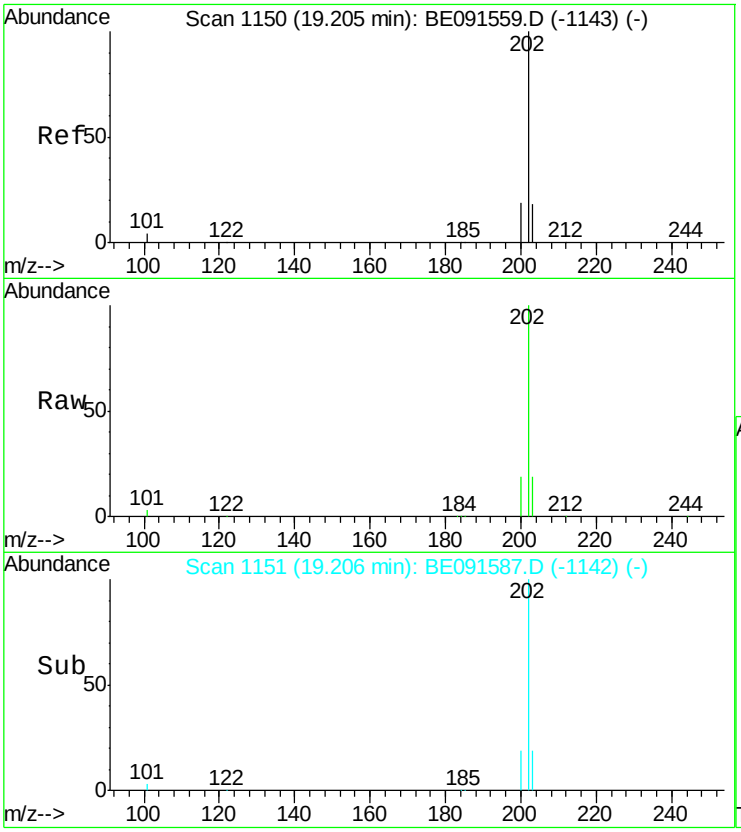


#20
Anthracene
Concen: 2.77 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:178 Resp: 161114

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.1	12.2	18.4

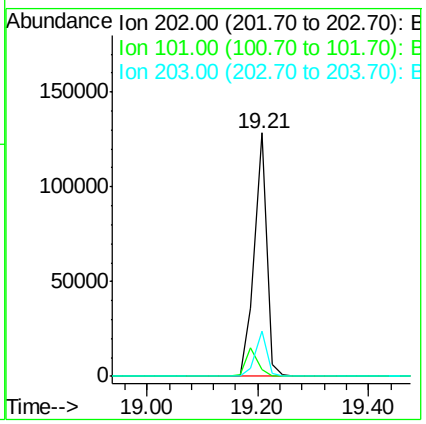




#21
Fluoranthene
Concen: 2.70 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:202 Resp: 200320

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.3	12.5
203	17.9	13.9	20.9



Instrument :
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ClientSampleId :
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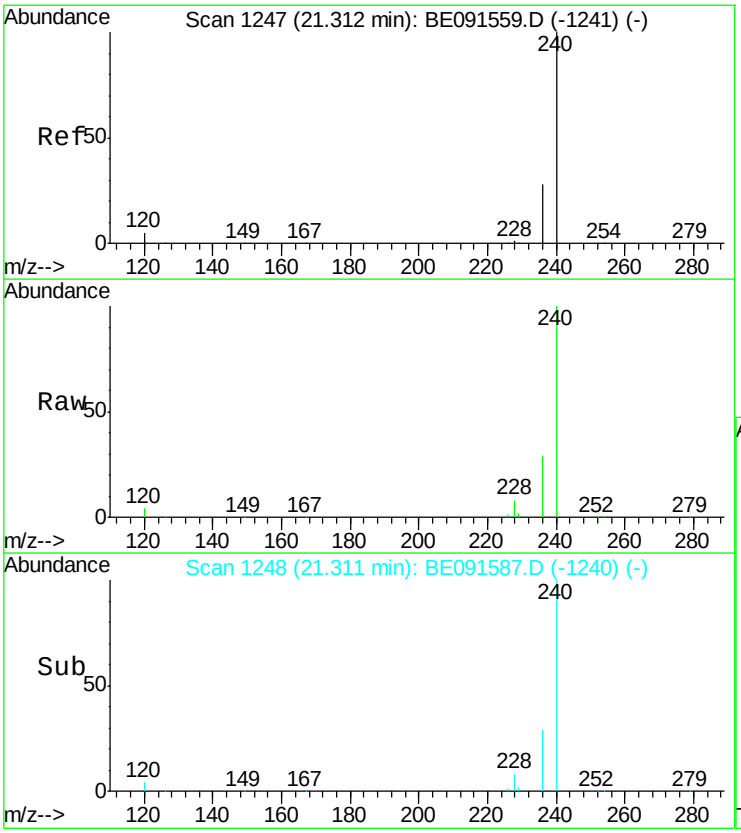
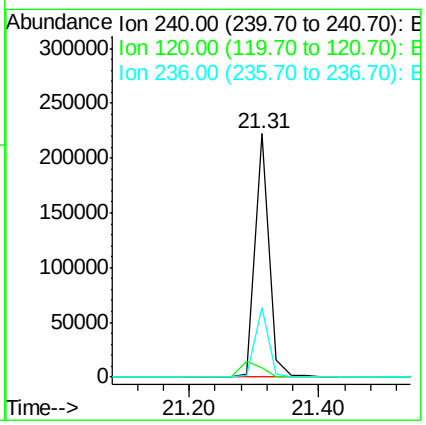
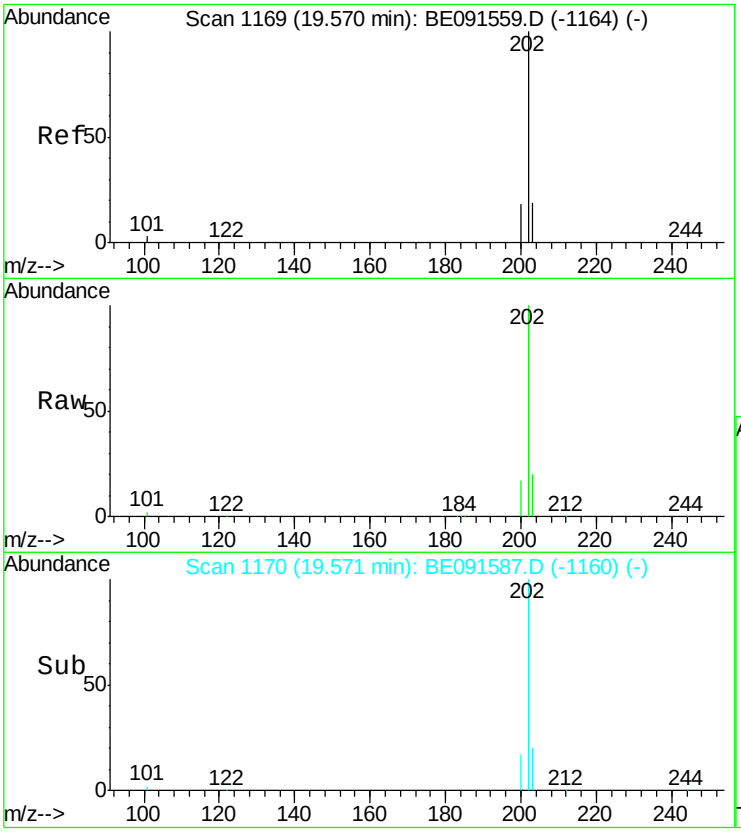


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:240 Resp: 338269

Ion	Ratio	Lower	Upper
240	100		
120	4.0	4.0	6.0#
236	28.6	23.0	34.4





#23
Pyrene
Concen: 3.05 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:202 Resp: 210556

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.4	24.6
203	18.3	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
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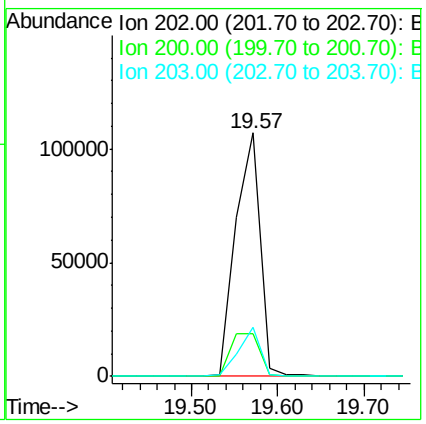
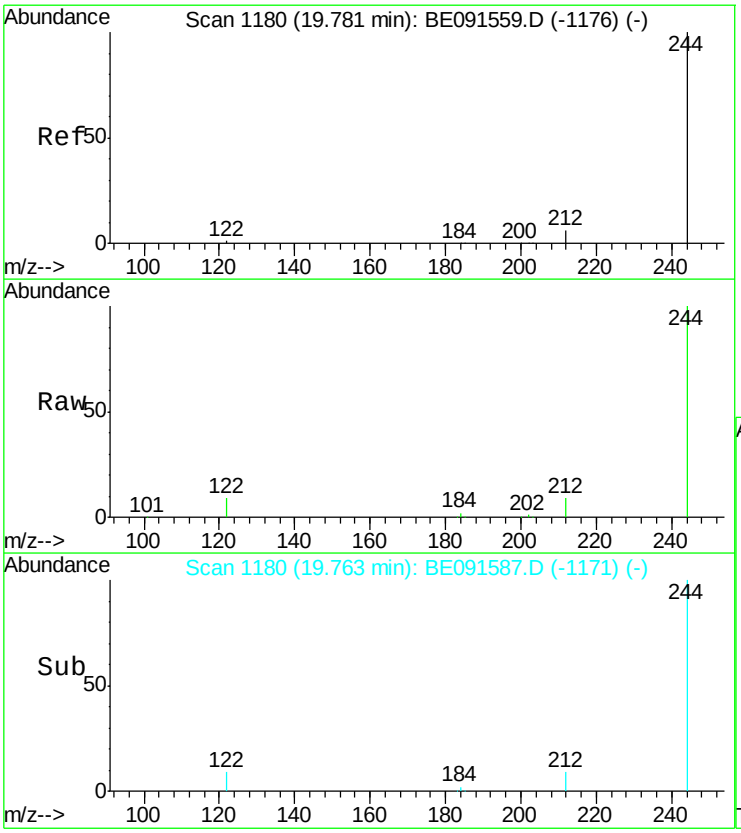
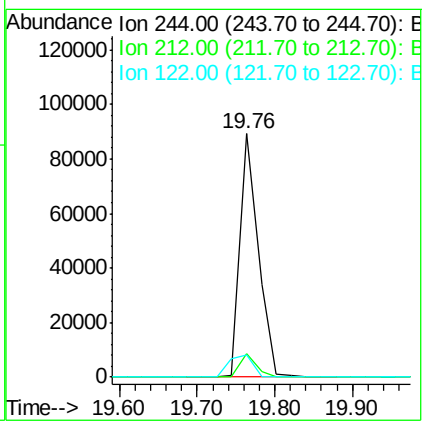


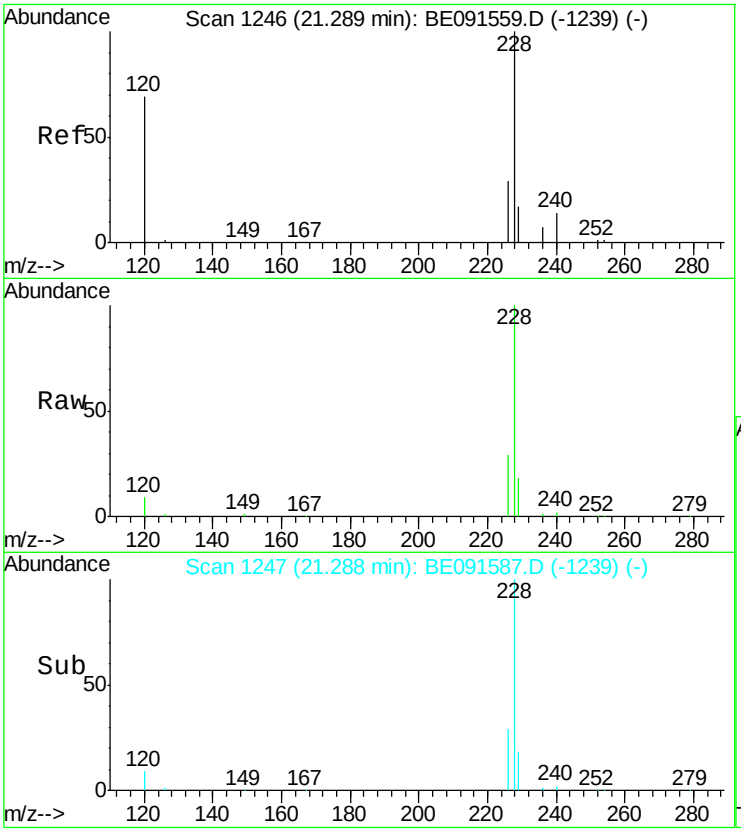


#24
Terphenyl-d14
Concen: 3.37 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:244 Resp: 144846

Ion	Ratio	Lower	Upper
244	100		
212	9.4	5.8	8.8#
122	9.3	1.8	2.8#

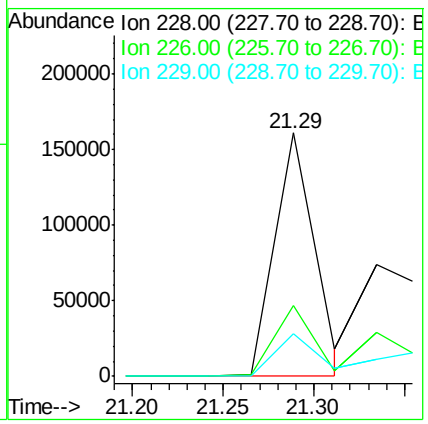




#25
Benzo(a)anthracene
Concen: 3.13 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:228 Resp: 248735

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	17.6	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
PB89066BS

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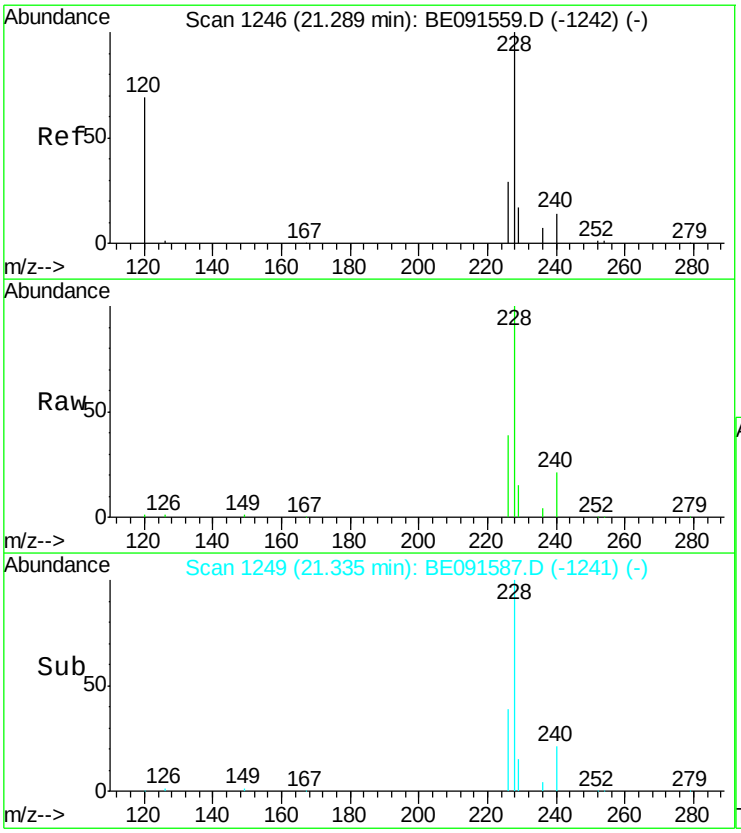
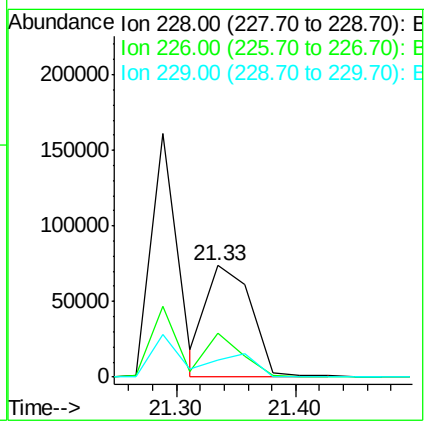
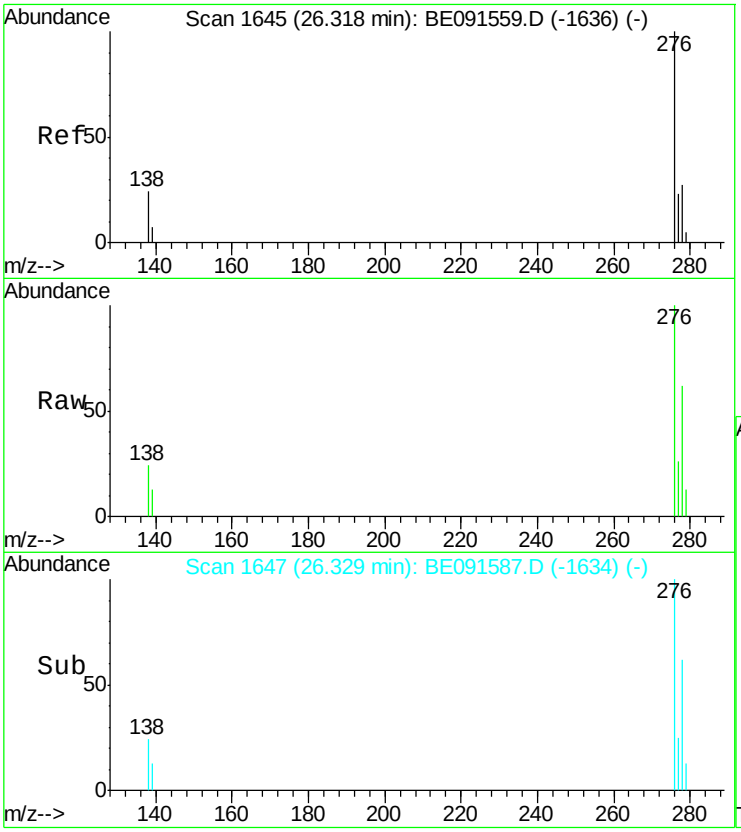


#26
Chrysene
Concen: 2.84 ng m
RT: 21.33 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:228 Resp: 193175

Ion	Ratio	Lower	Upper
228	100		
226	39.4	18.9	28.3#
229	15.0	19.1	28.7#

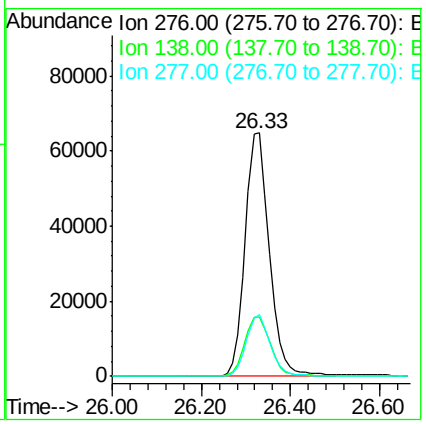




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.04 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.05 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:276 Resp: 237660

Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.2	30.4
277	24.9	19.8	29.8



Instrument :
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ClientSampleId :
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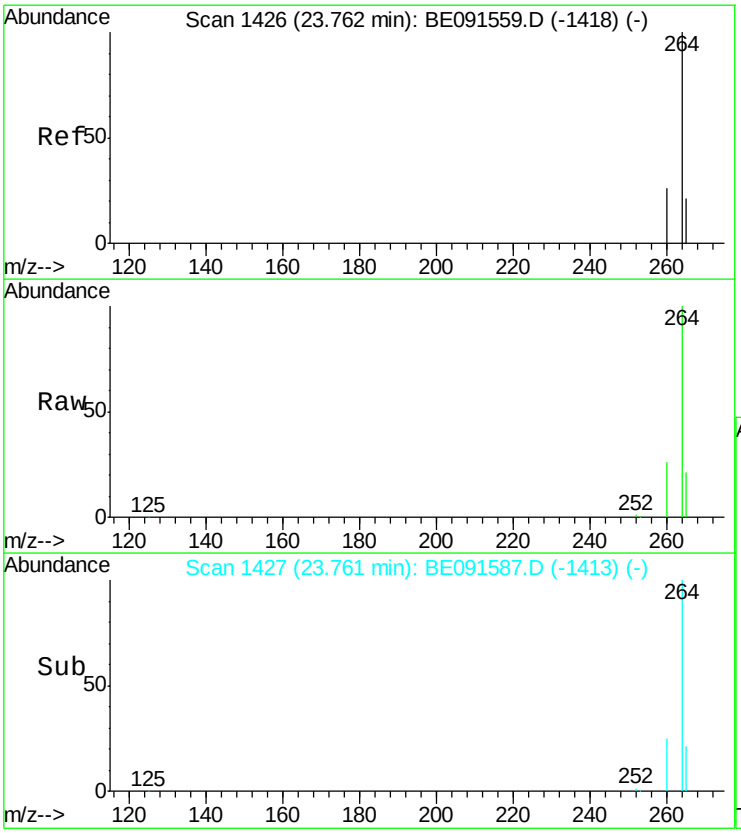
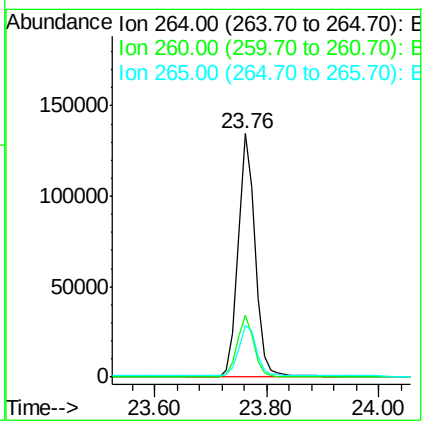
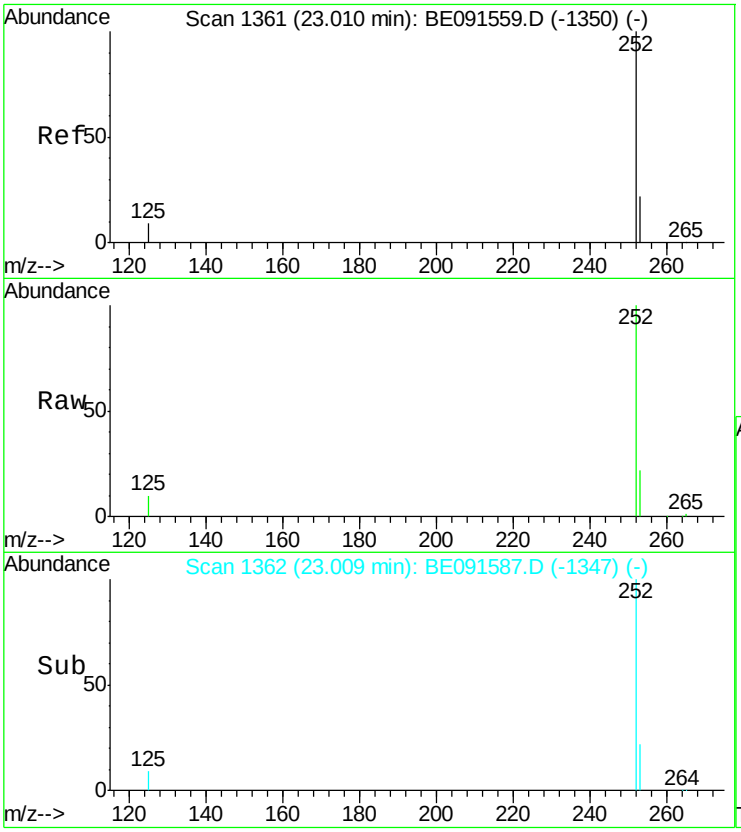


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:264 Resp: 288565

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	21.4	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 3.19 ng m
RT: 23.01 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:252 Resp: 223594

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	9.7	9.8	14.6#

Instrument :
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ClientSampleId :
PB89066BS

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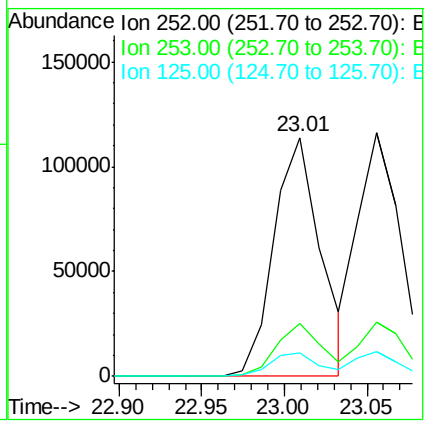
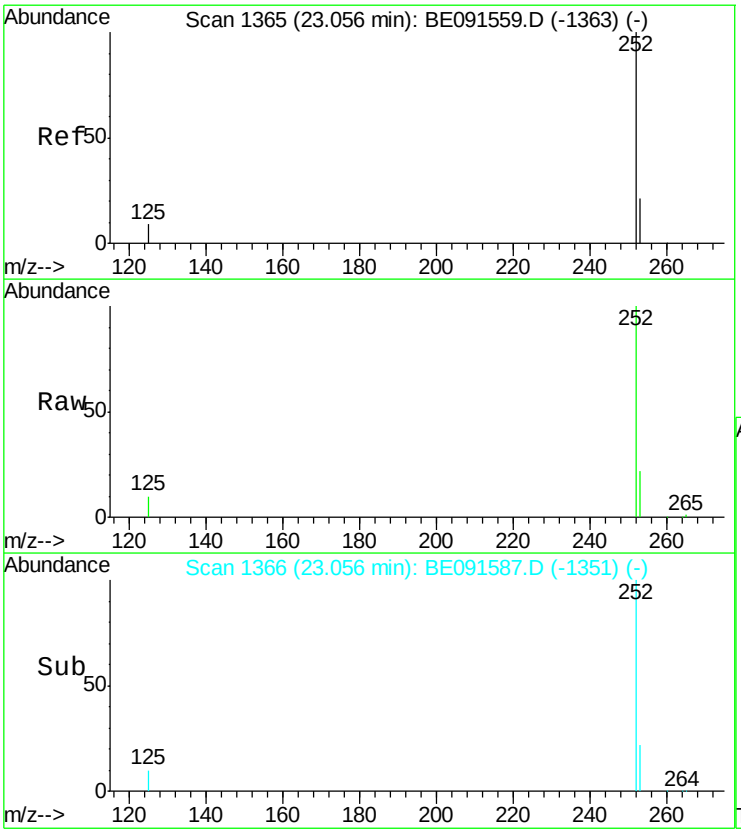
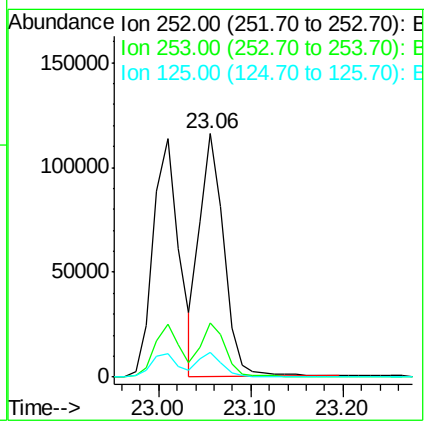


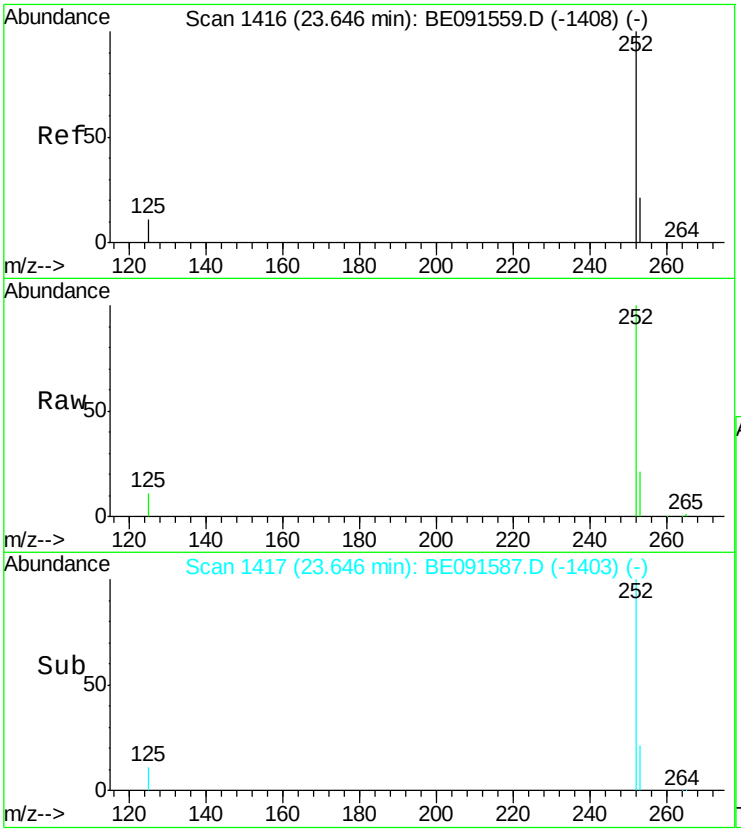


#30
Benzo(k)fluoranthene
Concen: 3.13 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:252 Resp: 211839

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.2	30.4
125	9.9	9.4	14.2





#31
Benzo(a)pyrene
Concen: 3.17 ng
RT: 23.65 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:252 Resp: 203029

Ion	Ratio	Lower	Upper
252	100		
253	21.2	19.4	29.0
125	11.1	11.4	17.2#

Instrument :
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ClientSampleId :
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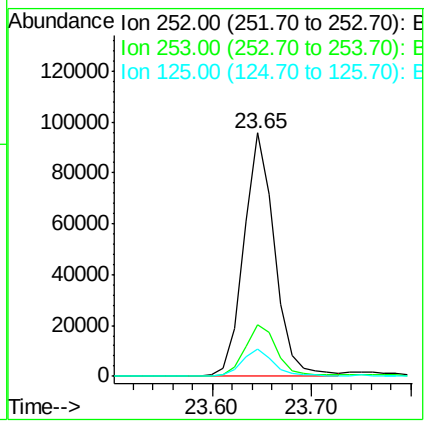
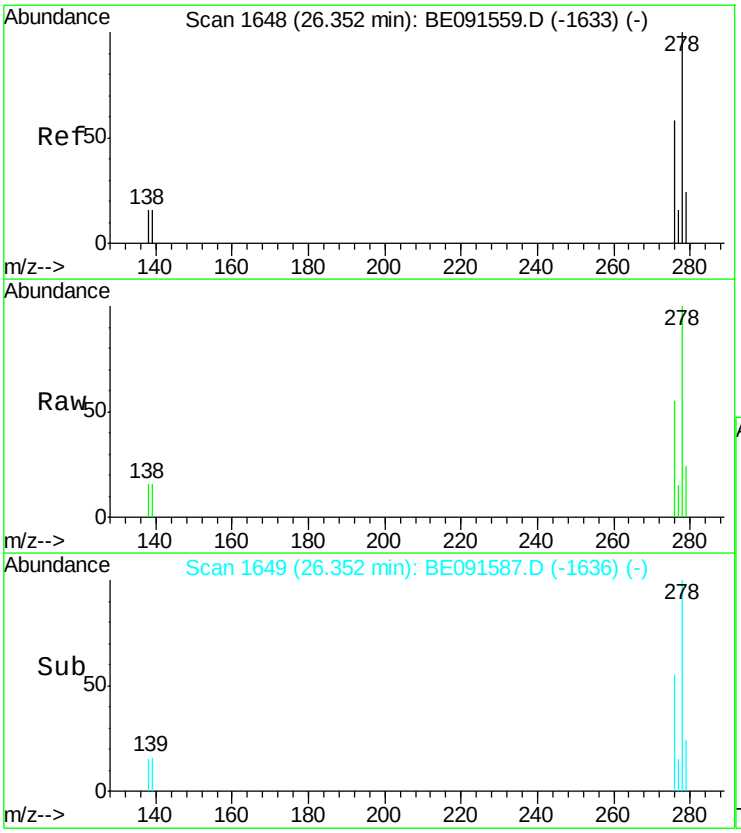
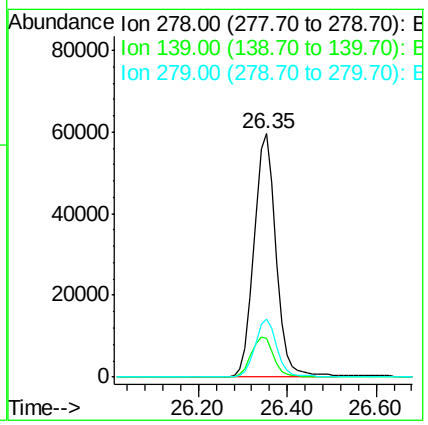


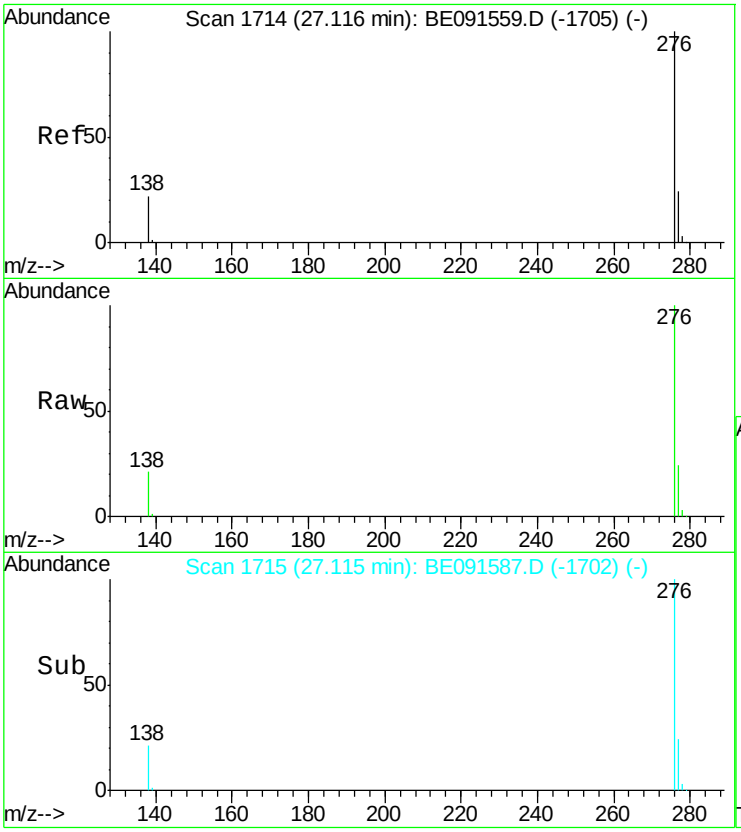


#32
Dibenzo(a,h)anthracene
Concen: 3.18 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.05 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:278 Resp: 199836

Ion	Ratio	Lower	Upper
278	100		
139	15.9	14.2	21.4
279	23.9	19.6	29.4

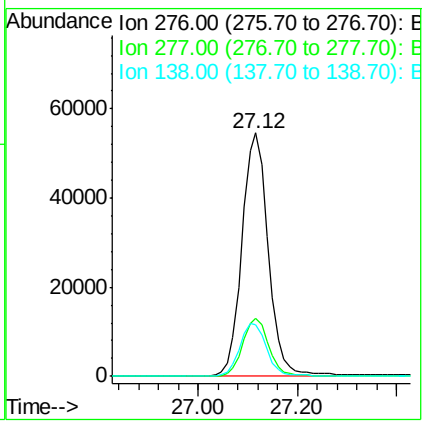




#33
Benzo(g,h,i)perylene
Concen: 3.14 ng
RT: 27.12 min Scan# 1715
Delta R.T. -0.05 min
Lab File: BE091587.D
Acq: 31 Mar 2016 18:00

Tgt Ion:276 Resp: 201249

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	21.4	18.2	27.4



Instrument :
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ClientSampleId :
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