Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\
Data File : BE091665.D
Acq On : 18 Apr 2016 15:04
Operator : UM/SJ
Sample : SSTDICC05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC05

Manual Integrations APPROVED
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Quant Time: Apr 18 16:15:13 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 18 14:18:33 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	35292	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	173736	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	106648	5.00	ng		0.00
19) Phenanthrene-d10	17.15	188	248060	5.00	ng		0.00
26) Chrysene-d12	21.31	240	322274	5.00	ng		0.00
35) Perylene-d12	23.76	264	280679	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	38582	4.58	ng		0.00
5) Phenol-d6	6.97	99	55659	4.96	ng		0.00
8) Nitrobenzene-d5	8.96	82	49653	4.92	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	15534m	5.28	ng		-0.01
15) 2-Fluorobiphenyl	13.05	172	143278	4.83	ng		0.00
29) Terphenyl-d14	19.76	244	218232	5.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	18184	4.03	ng	#	87
3) n-Nitrosodimethylamine	3.65	42	26595	4.91	ng	#	96
6) bis(2-Chloroethyl)ether	7.23	93	49041	5.04	ng	#	76
9) Nitrobenzene	8.99	77	54799	5.16	ng		94
10) Naphthalene	10.63	128	170486	4.76	ng		98
11) Hexachlorobutadiene	10.92	225	24725m	4.69	ng		
12) 2-Methylnaphthalene	12.24	142	113821	4.98	ng		98
16) Acenaphthylene	14.14	152	218291	5.27	ng	#	86
17) Acenaphthene	14.47	154	126525	4.84	ng		90
18) Fluorene	15.46	166	162867	4.98	ng		98
20) 4-Bromophenyl-phenylether	16.34	248	45315	5.18	ng		96
21) Hexachlorobenzene	16.46	284	45832	5.05	ng		97
22) Pentachlorophenol	16.79	266	19325	5.74	ng	#	87
23) Phenanthrene	17.19	178	277418	4.90	ng		99
24) Anthracene	17.29	178	267505	5.33	ng		98
25) Fluoranthene	19.20	202	291760	4.87	ng		98
27) Benzidine	19.38	184	121946	5.75	ng	#	75
28) Pyrene	19.55	202	332193	5.15	ng		99
30) Benzo(a)anthracene	21.29	228	365414m	5.07	ng		
31) 3,3'-Dichlorobenzidine	21.22	252	183059	4.74	ng	#	78
32) Chrysene	21.34	228	365852m	5.59	ng		
33) Bis(2-ethylhexyl)phthalate	21.22	149	92177	2.90	ng	#	82
34) Indeno(1,2,3-cd)pyrene	26.31	276	351115	4.81	ng		97
36) Benzo(b)fluoranthene	23.00	252	312418	4.79	ng		97
37) Benzo(k)fluoranthene	23.04	252	332220	5.17	ng		97
38) Benzo(a)pyrene	23.63	252	297948	4.92	ng		96
39) Dibenzo(a,h)anthracene	26.34	278	296325	4.97	ng	#	95
40) Benzo(g,h,i)perylene	27.10	276	297497	4.84	ng		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\
Data File : BE091665.D
Acq On : 18 Apr 2016 15:04
Operator : UM/SJ
Sample : SSTDICC05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 16:15:13 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 18 14:18:33 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC05

Manual Integrations APPROVED
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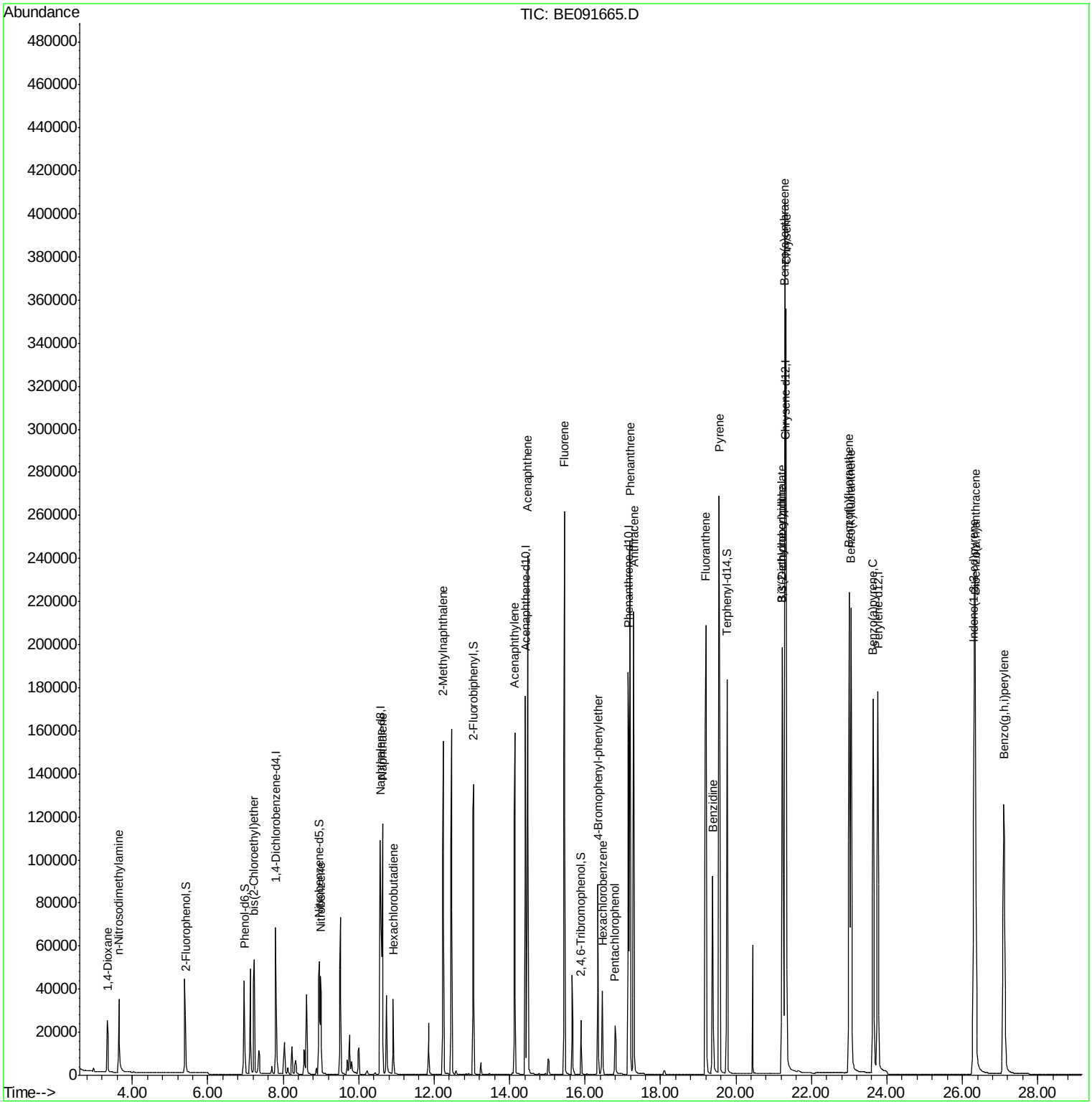
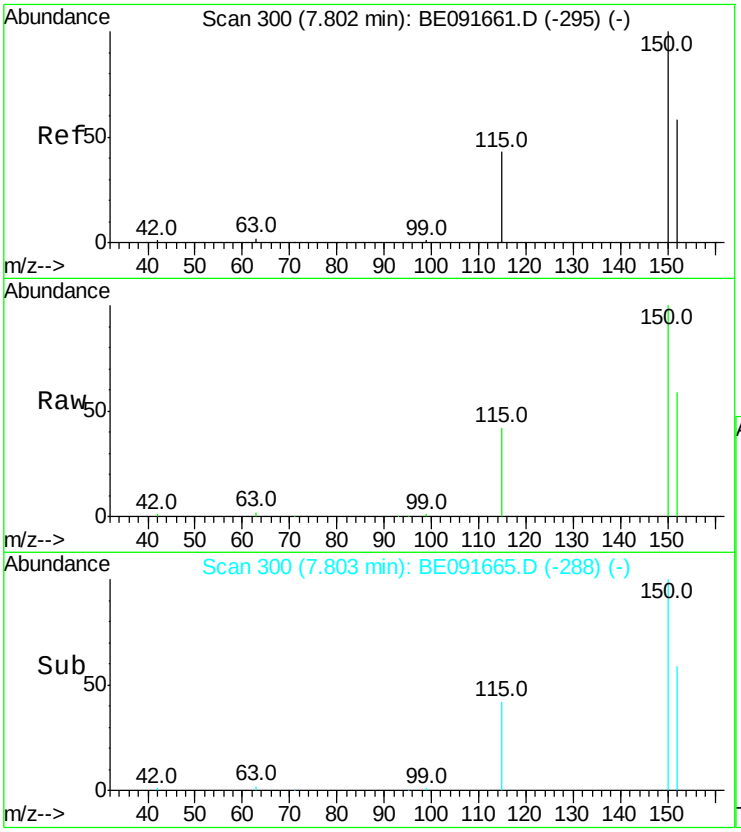
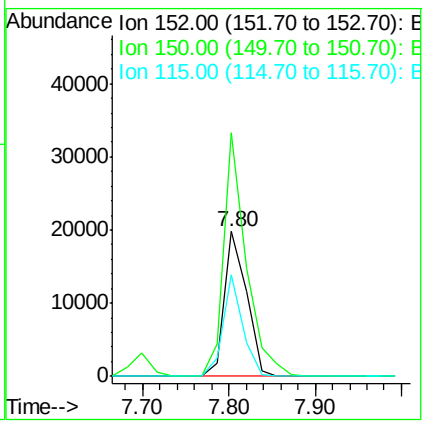




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:152 Resp: 35292

Ion	Ratio	Lower	Upper
152	100		
150	168.3	122.6	183.8
115	70.4	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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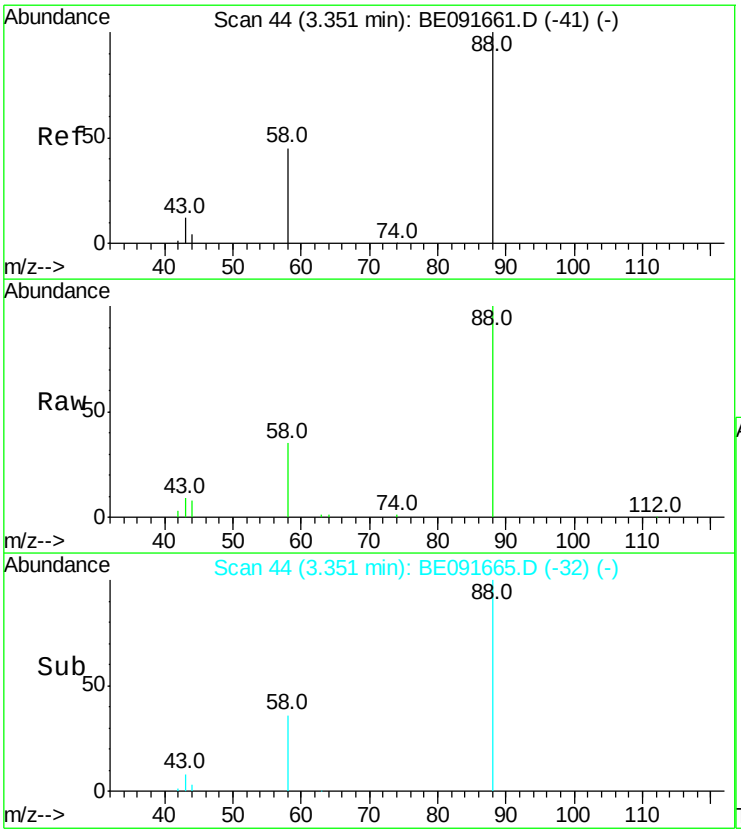
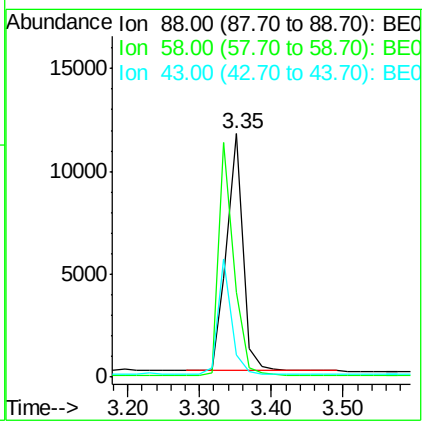
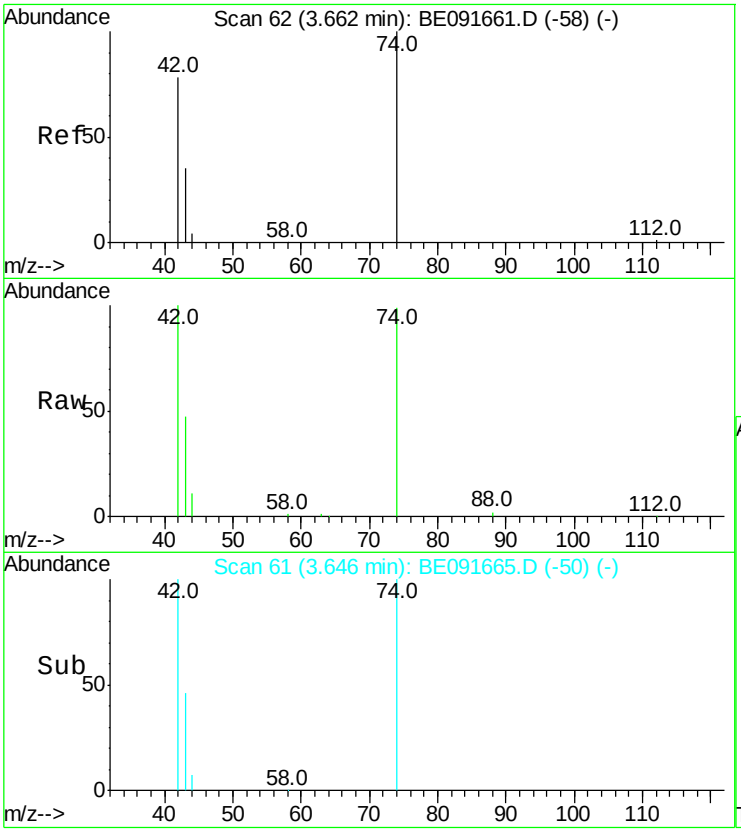


#2
1,4-Dioxane
Concen: 4.03 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion: 88 Resp: 18184

Ion	Ratio	Lower	Upper
88	100		
58	92.7	65.8	98.6
43	40.4	25.3	37.9#

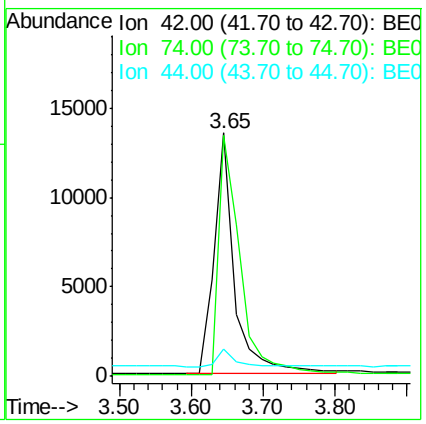




#3
n-Nitrosodimethylamine
Concen: 4.91 ng
RT: 3.65 min Scan# 61
Delta R.T. -0.02 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion: 42 Resp: 26595

Ion	Ratio	Lower	Upper
42	100		
74	106.1	87.9	131.9
44	5.9	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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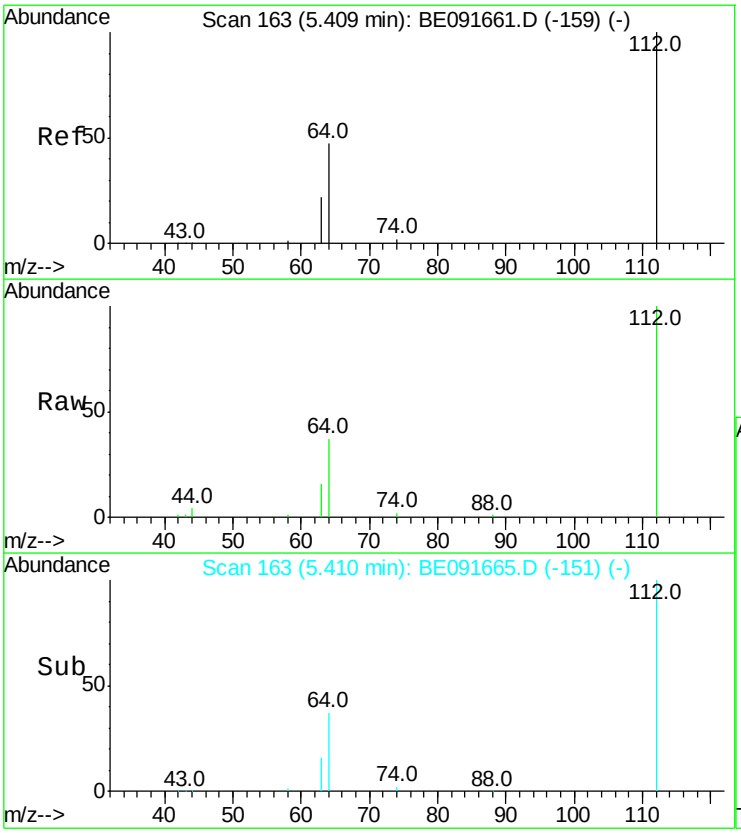
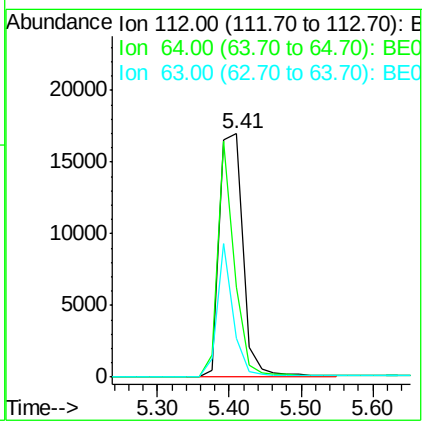
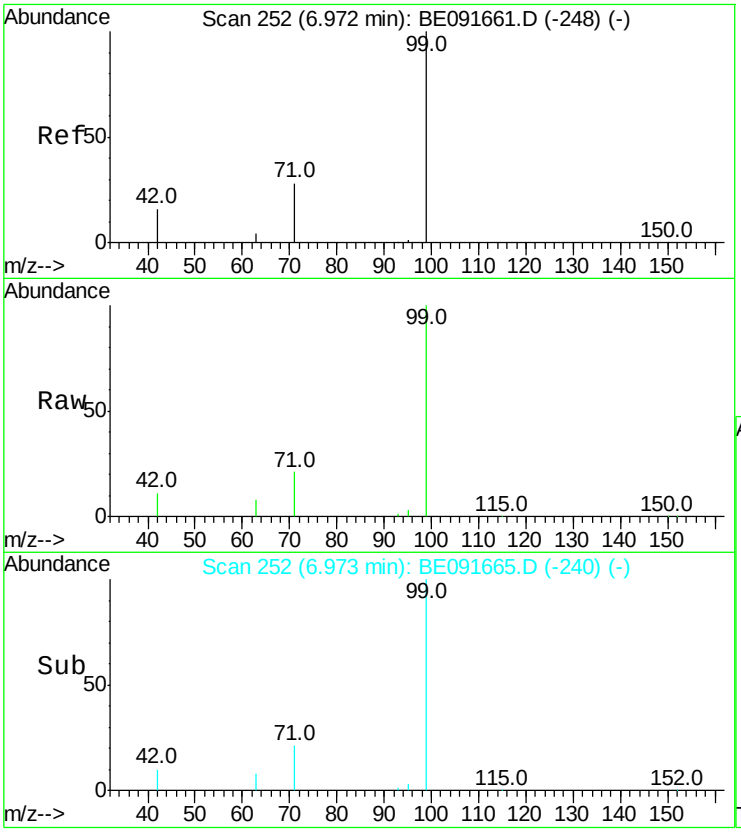


#4
2-Fluorophenol
Concen: 4.58 ng
RT: 5.41 min Scan# 163
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:112 Resp: 38582

Ion	Ratio	Lower	Upper
112	100		
64	69.1	30.9	46.3#
63	37.3	16.7	25.1#





#5
Phenol-d6
Concen: 4.96 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion: 99 Resp: 55659

Ion	Ratio	Lower	Upper
99	100		
42	27.2	16.2	24.2#
71	36.1	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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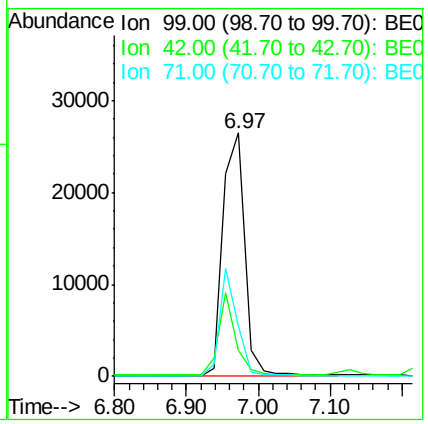
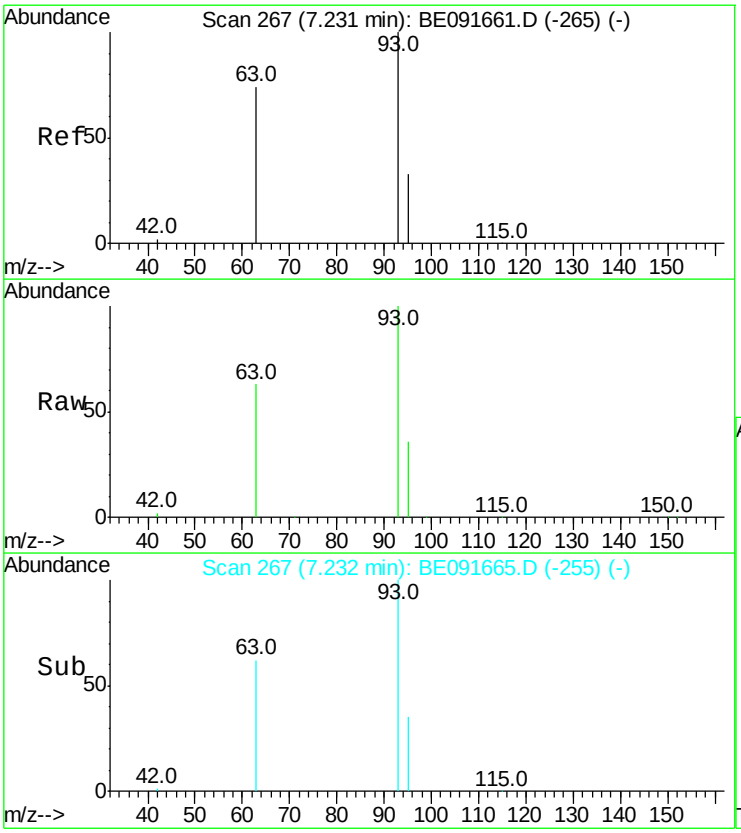
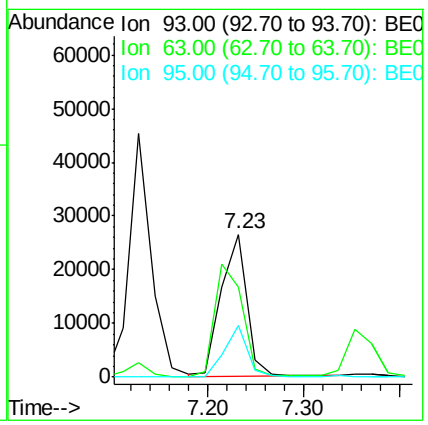


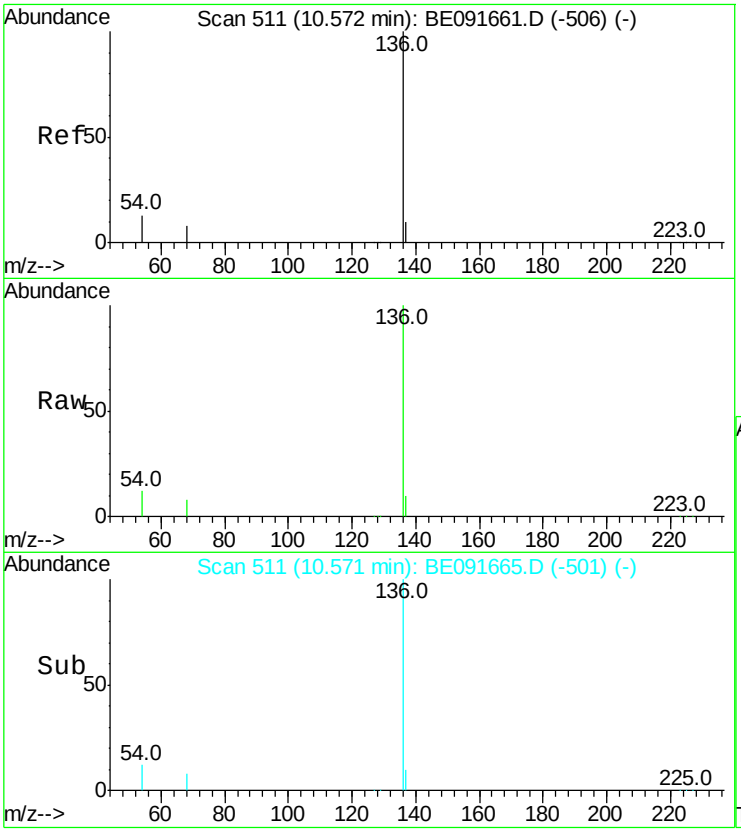


#6
bis(2-Chloroethyl)ether
Concen: 5.04 ng
RT: 7.23 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion: 93 Resp: 49041

Ion	Ratio	Lower	Upper
93	100		
63	85.4	49.5	74.3#
95	32.2	22.2	33.4

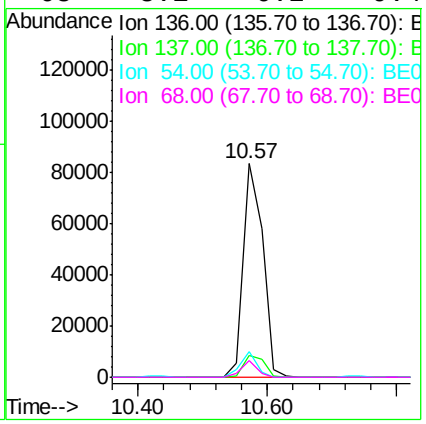




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:136 Resp: 173736

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	12.2	8.2	12.4
68	8.1	6.2	9.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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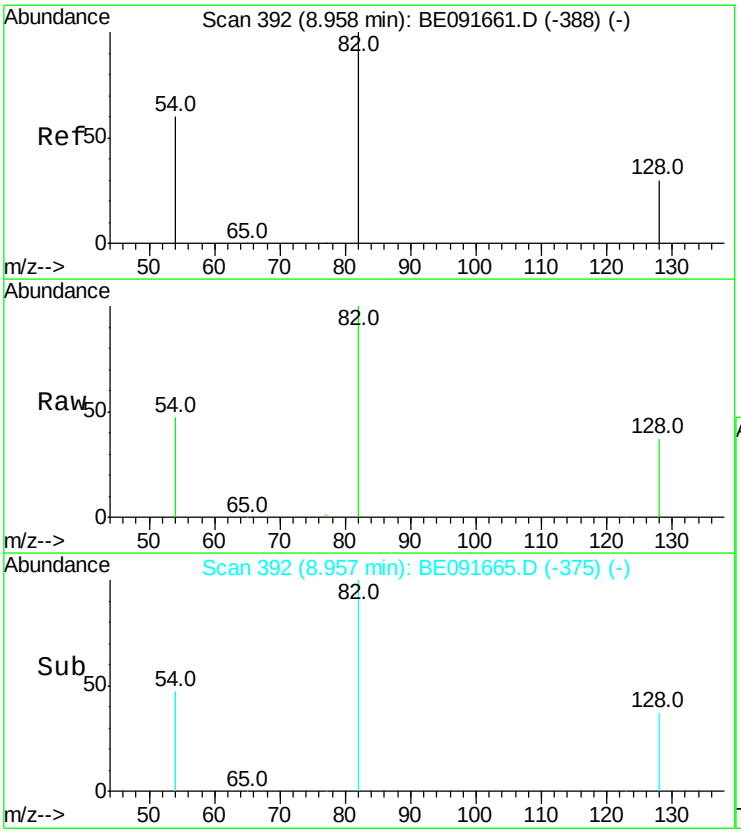
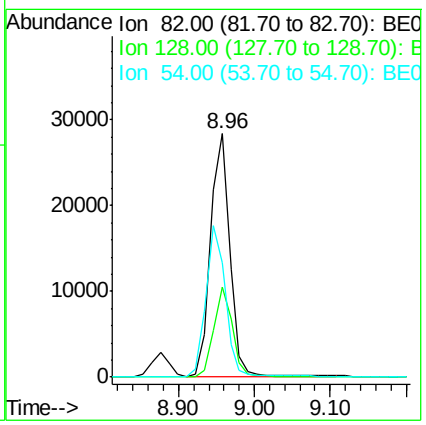
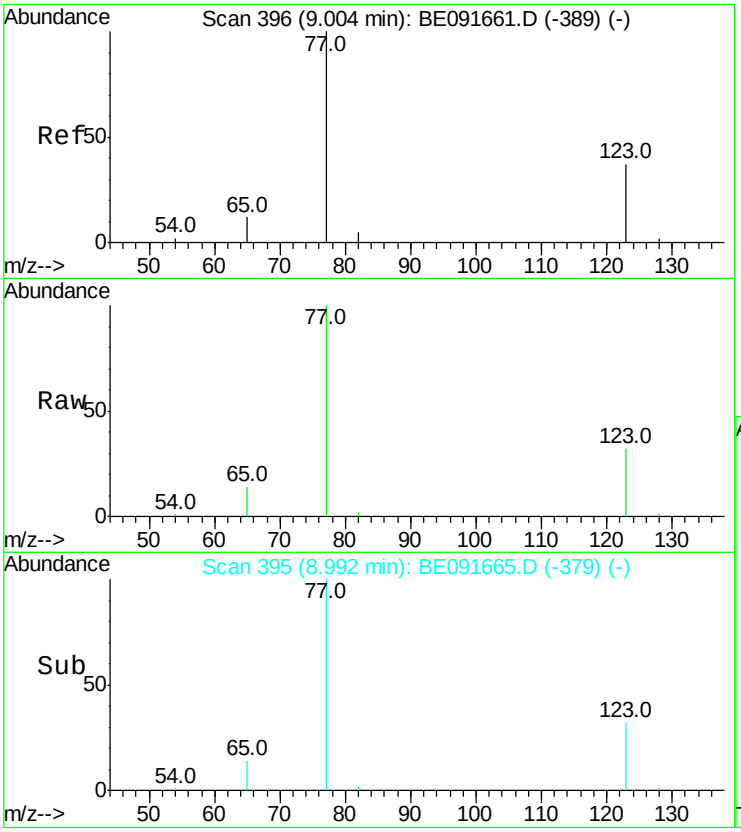


#8
Nitrobenzene-d5
Concen: 4.92 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion: 82 Resp: 49653

Ion	Ratio	Lower	Upper
82	100		
128	37.2	25.4	38.0
54	46.8	48.4	72.6#

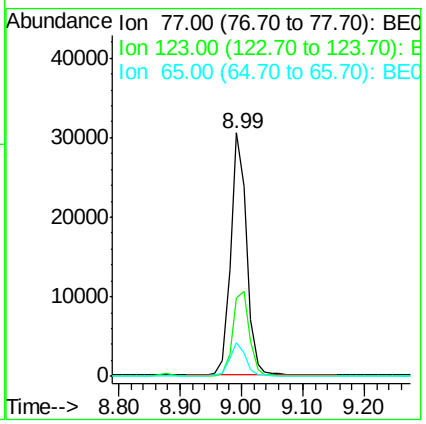




#9
Nitrobenzene
Concen: 5.16 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.01 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion: 77 Resp: 54799

Ion	Ratio	Lower	Upper
77	100		
123	37.1	26.9	40.3
65	13.9	9.4	14.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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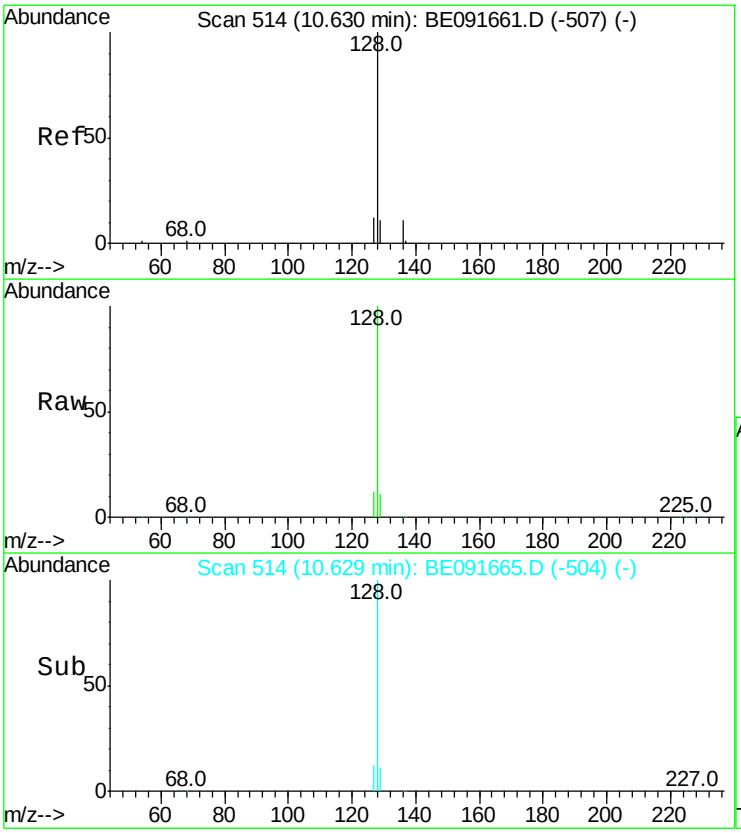
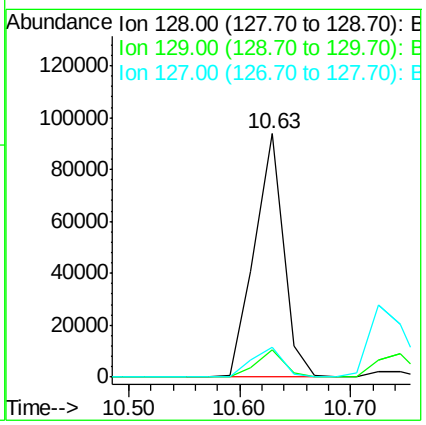
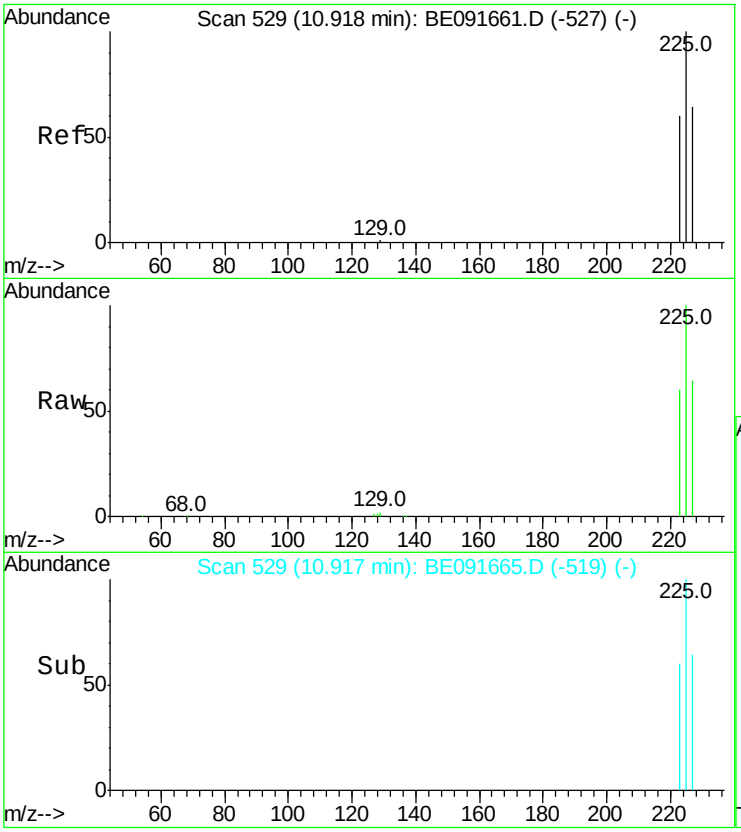


#10
Naphthalene
Concen: 4.76 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:128 Resp: 170486

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	12.2	10.7	16.1

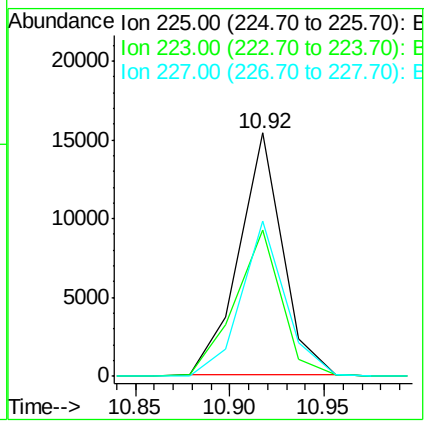




#11
Hexachlorobutadiene
Concen: 4.69 ng m
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:225 Resp: 24725

Ion	Ratio	Lower	Upper
225	100		
223	69.8	49.0	73.6
227	70.4	50.3	75.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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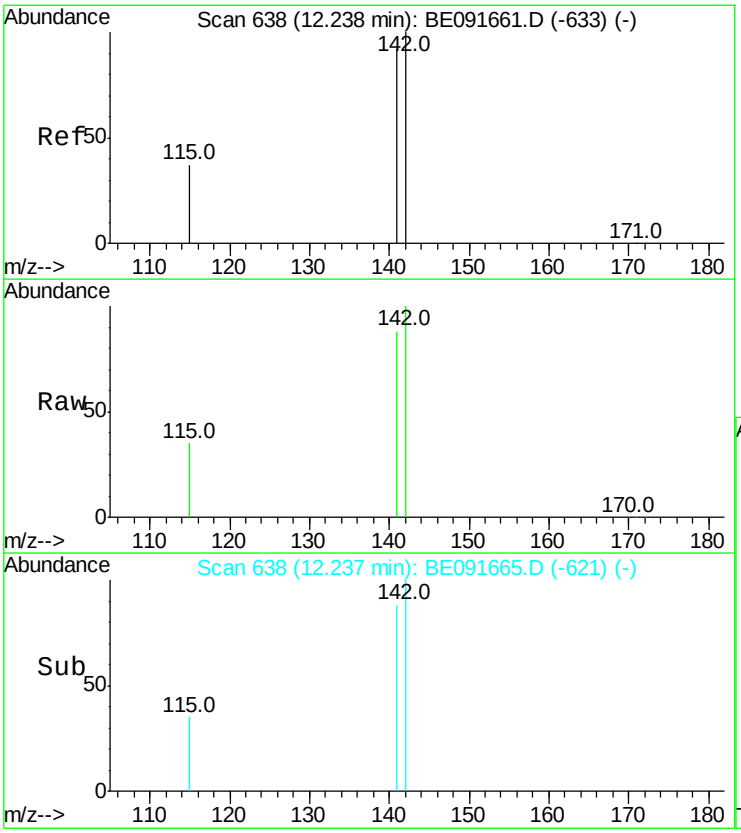
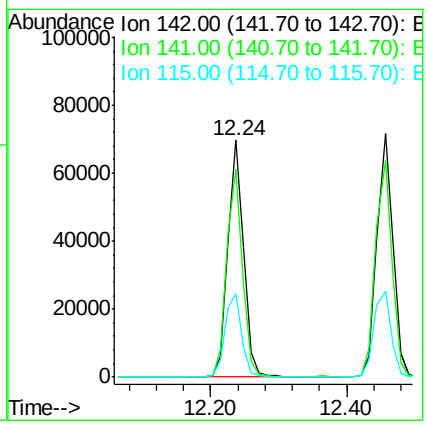
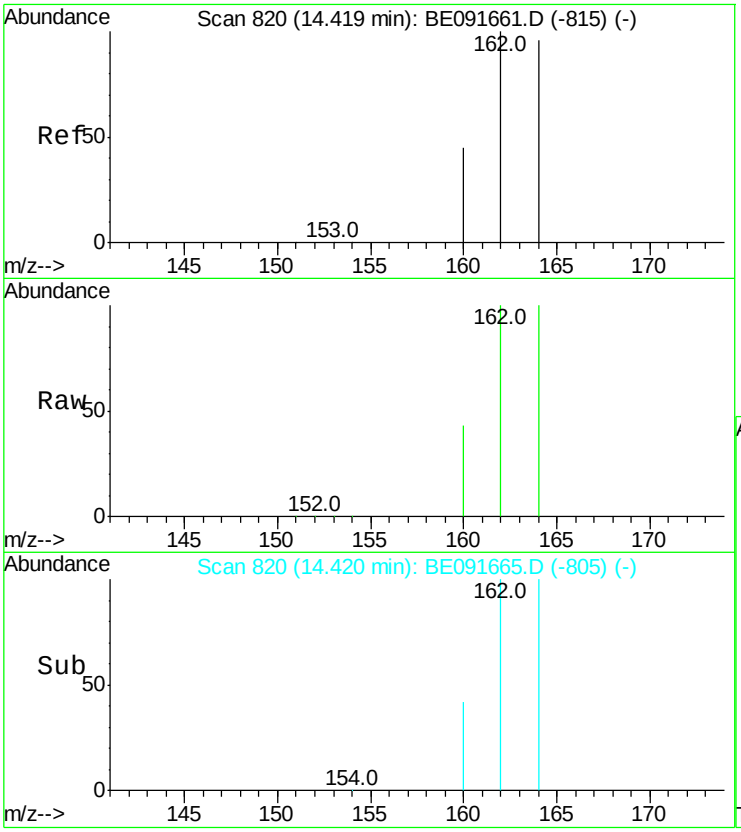


#12
2-Methylnaphthalene
Concen: 4.98 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:142 Resp: 113821

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.4	107.0
115	35.1	30.3	45.5

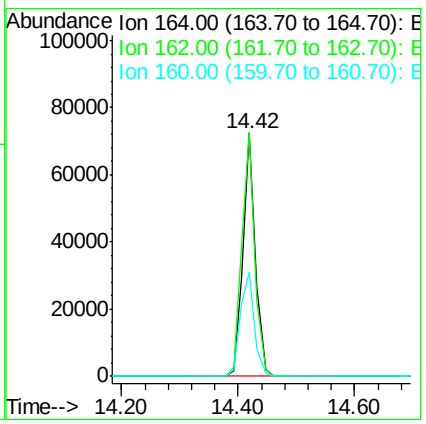




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:164 Resp: 106648

Ion	Ratio	Lower	Upper
164	100		
162	99.8	85.3	127.9
160	42.5	46.2	69.2#



Instrument :
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Manual Integrations APPROVED
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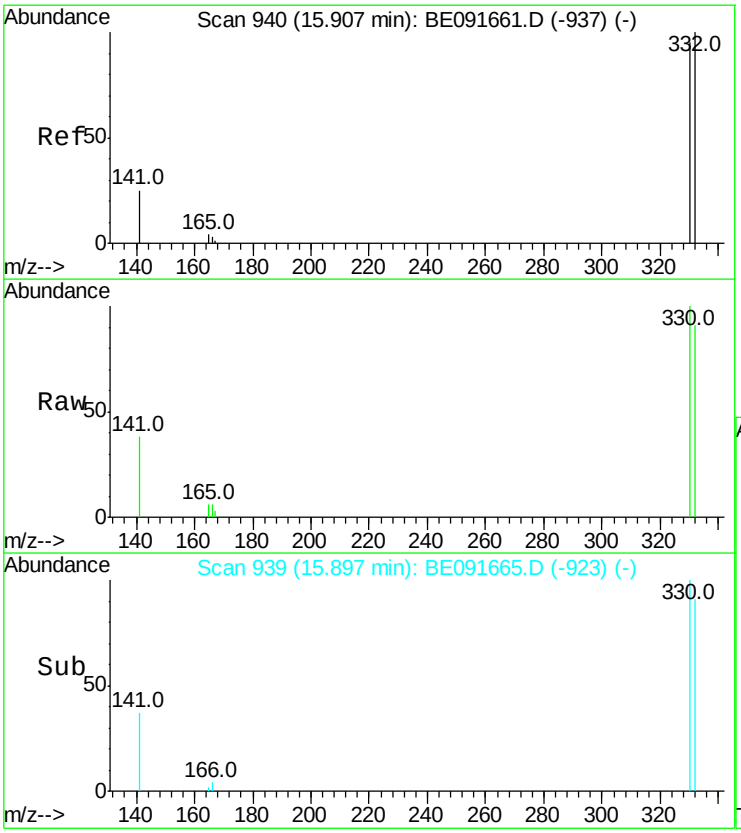
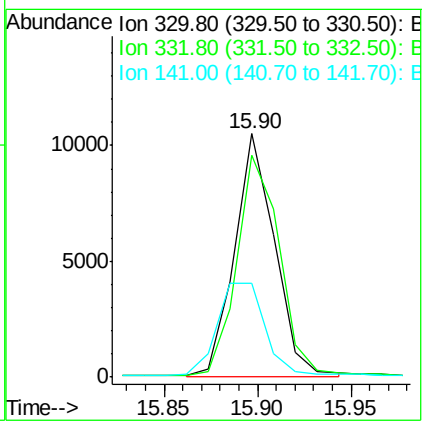
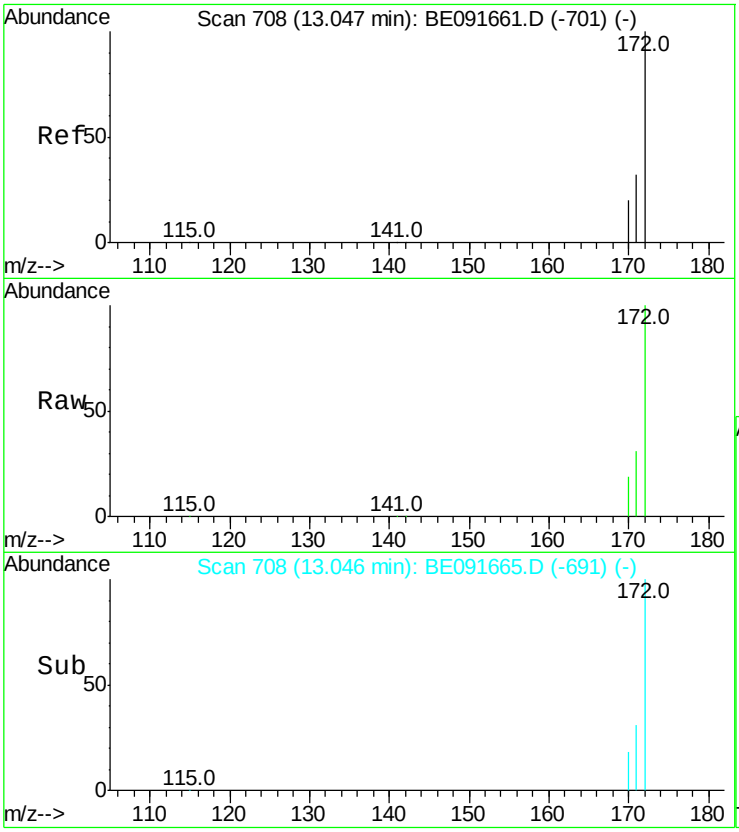


#14
2,4,6-Tribromophenol
Concen: 5.28 ng m
RT: 15.90 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:330 Resp: 15534

Ion	Ratio	Lower	Upper
330	100		
332	119.4	79.1	118.7#
141	45.4	125.4	188.0#

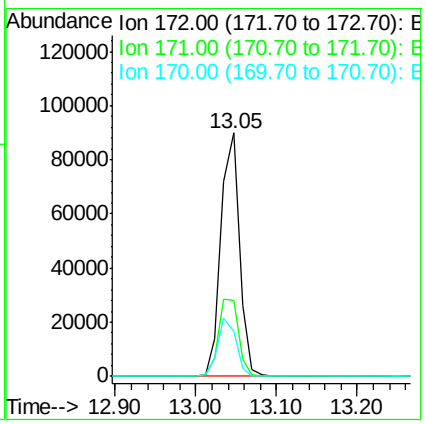




#15
2-Fluorobiphenyl
Concen: 4.83 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:172 Resp: 143278

Ion	Ratio	Lower	Upper
172	100		
171	31.2	28.8	43.2
170	18.6	19.3	28.9#



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

Manual Integrations APPROVED
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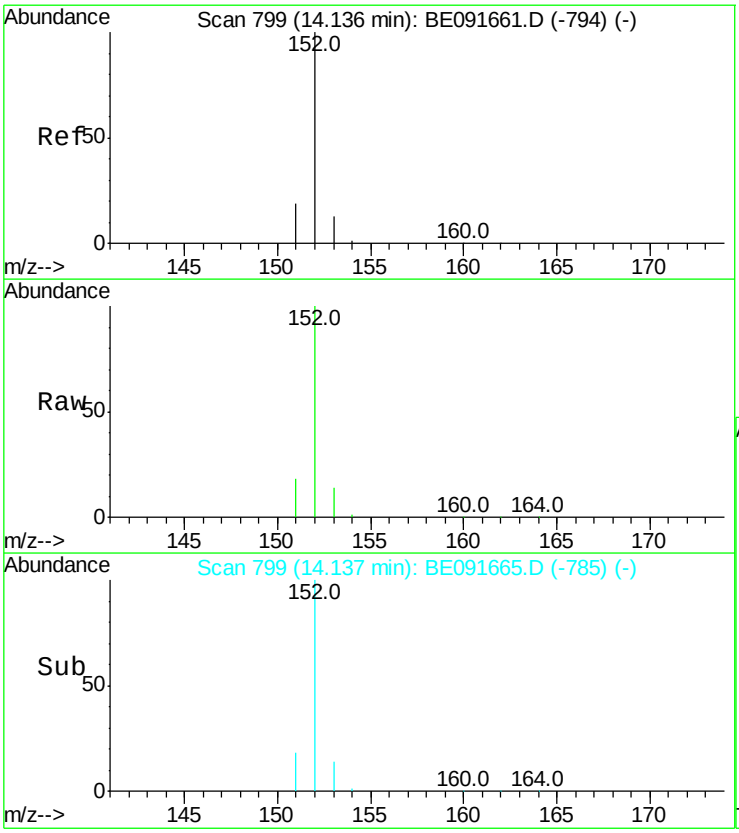
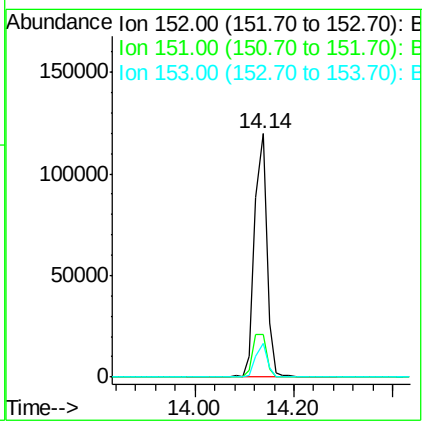
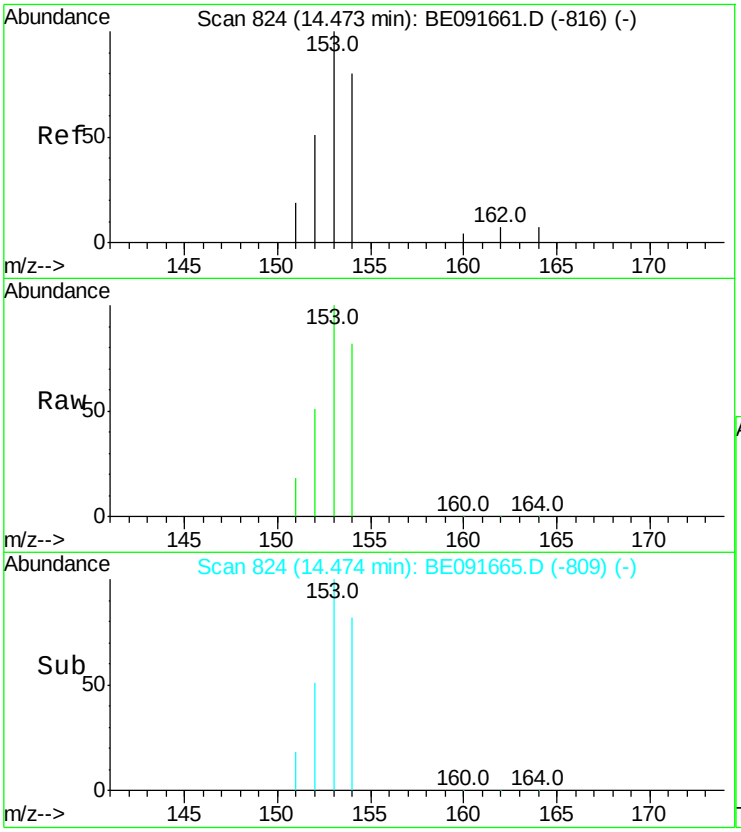


#16
Acenaphthylene
Concen: 5.27 ng
RT: 14.14 min Scan# 799
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:152 Resp: 218291

Ion	Ratio	Lower	Upper
152	100		
151	20.0	3.9	5.9#
153	13.6	10.3	15.5

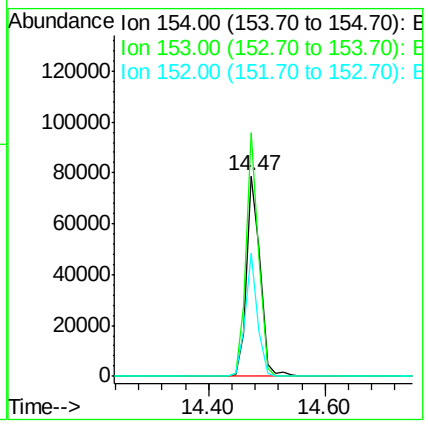




#17
Acenaphthene
Concen: 4.84 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:154 Resp: 126525

Ion	Ratio	Lower	Upper
154	100		
153	111.6	80.0	120.0
152	55.5	40.0	60.0



Instrument :
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ClientSampleId :
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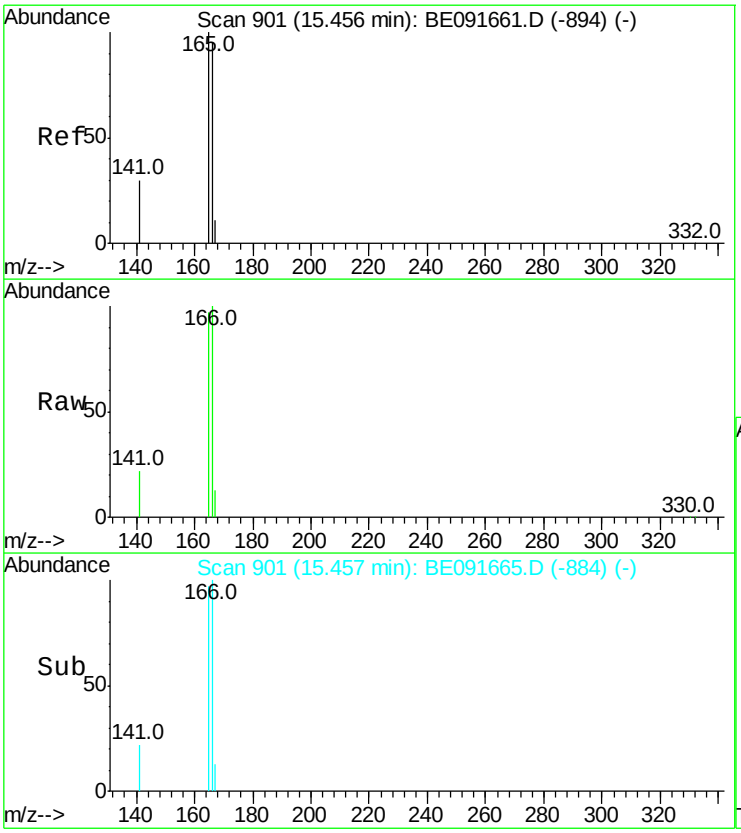
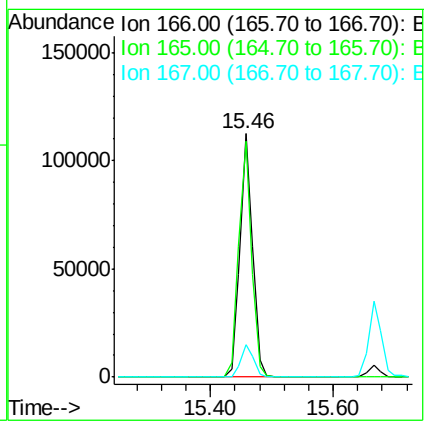
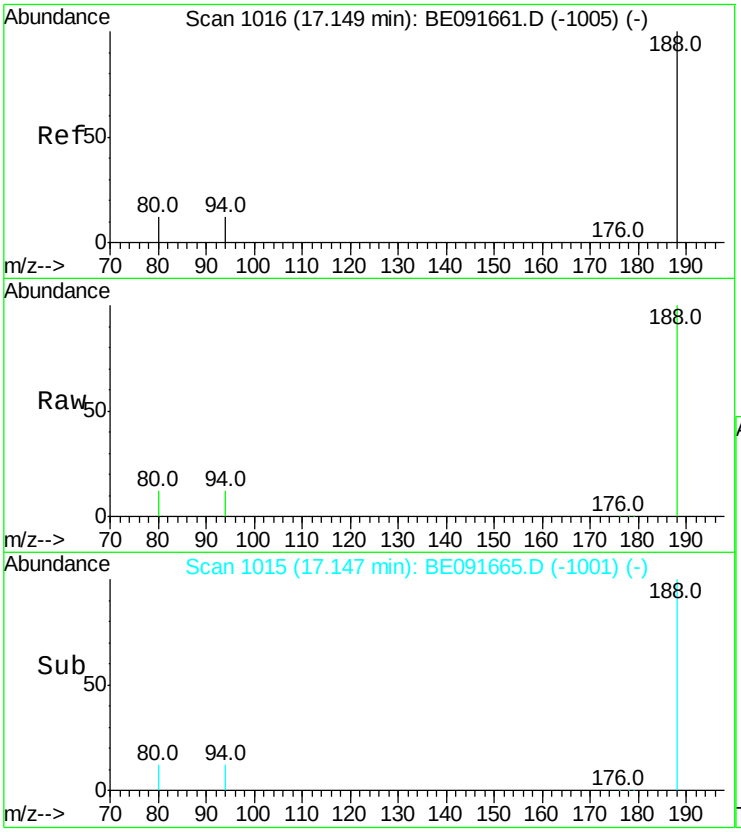


#18
Fluorene
Concen: 4.98 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:166 Resp: 162867

Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.8	121.2
167	13.5	10.9	16.3

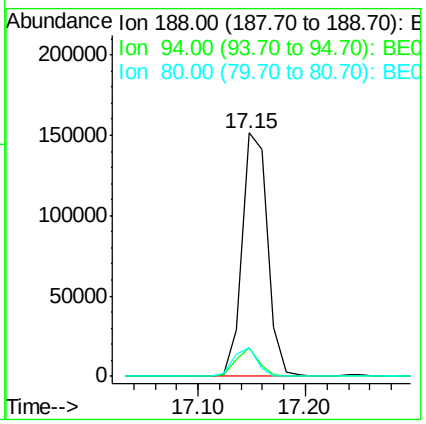




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:188 Resp: 248060

Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.7	13.1
80	11.7	9.4	14.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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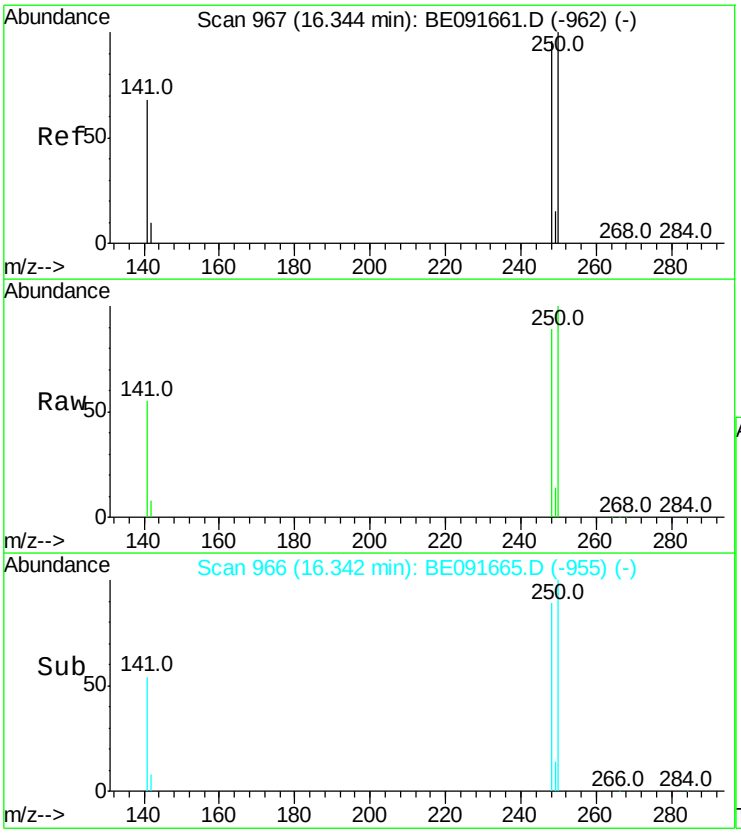
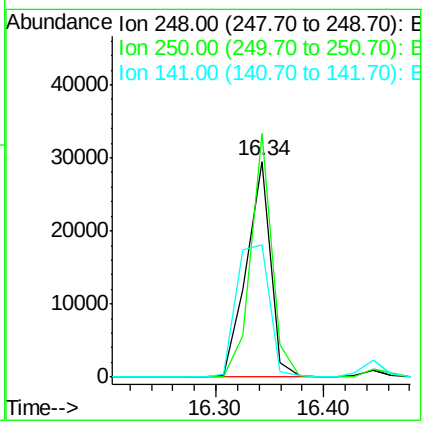
4/19/2016 6:39:23 PM

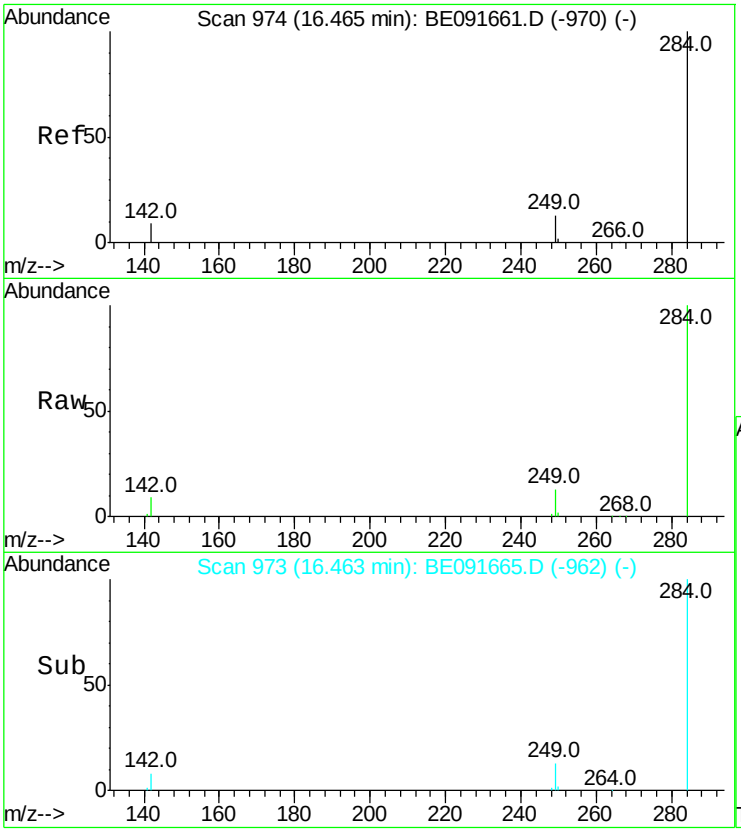


#20
4-Bromophenyl-phenylether
Concen: 5.18 ng
RT: 16.34 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:248 Resp: 45315

Ion	Ratio	Lower	Upper
248	100		
250	99.6	80.5	120.7
141	83.9	72.0	108.0

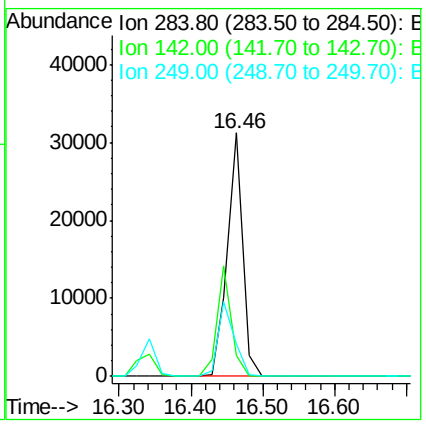




#21
Hexachlorobenzene
Concen: 5.05 ng
RT: 16.46 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:284 Resp: 45832

Ion	Ratio	Lower	Upper
284	100		
142	42.7	32.2	48.2
249	32.6	25.4	38.2



Instrument :
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ClientSampleId :
SSTDICC05

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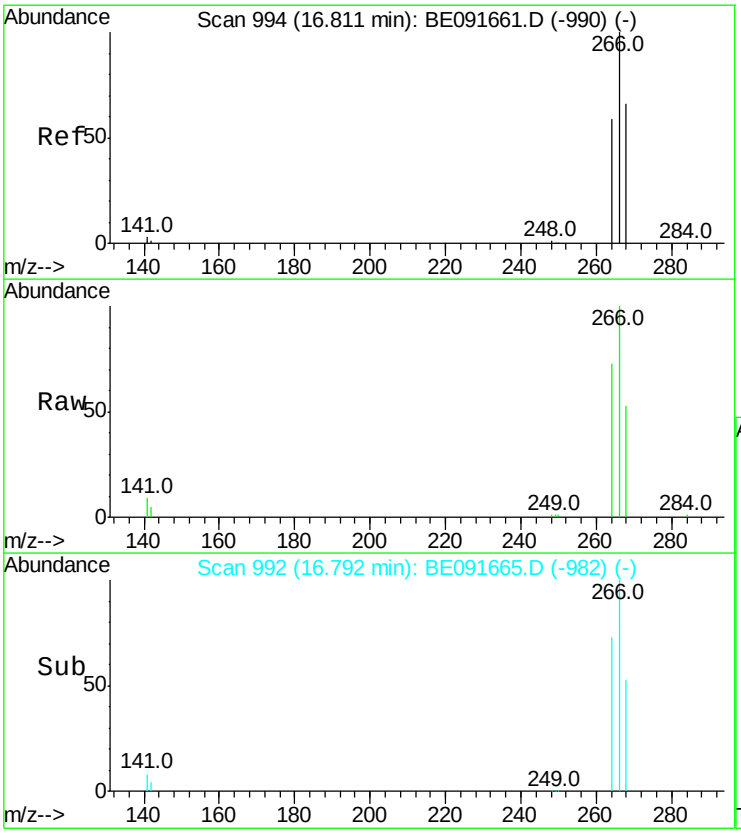
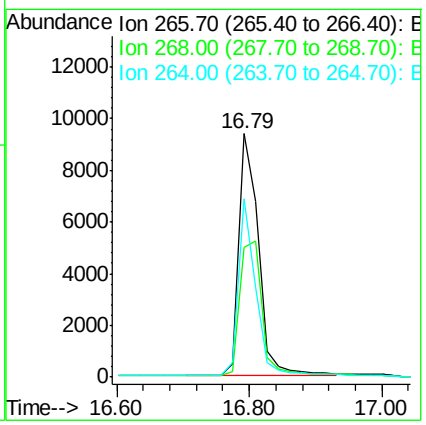
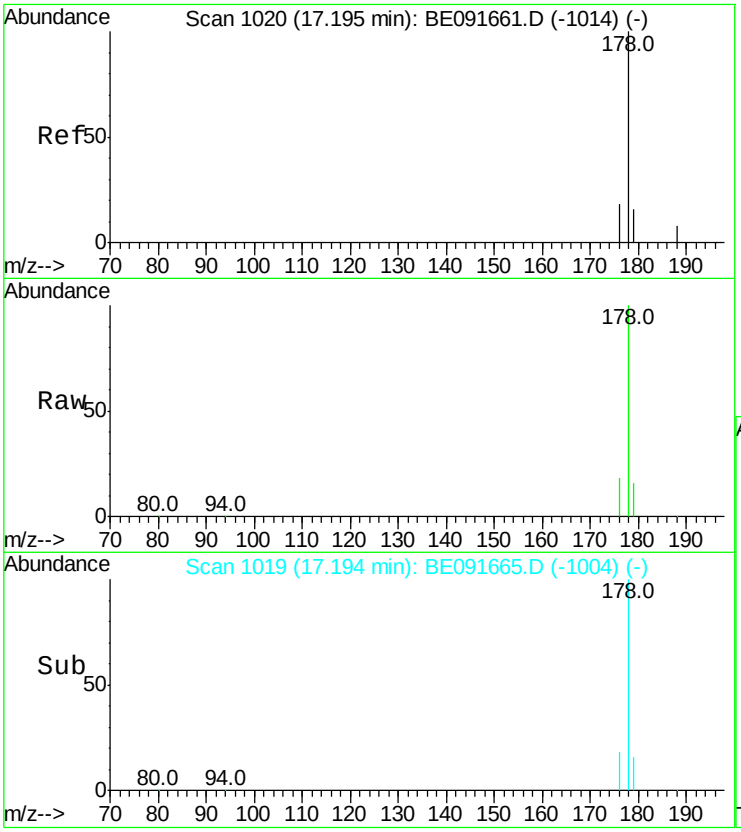


#22
Pentachlorophenol
Concen: 5.74 ng
RT: 16.79 min Scan# 992
Delta R.T. -0.02 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:266 Resp: 19325

Ion	Ratio	Lower	Upper
266	100		
268	53.3	58.2	87.2#
264	73.1	56.2	84.4

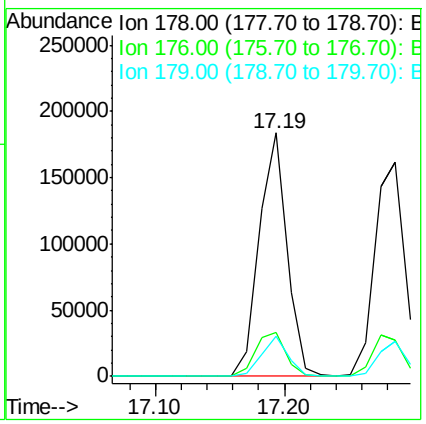




#23
Phenanthrene
Concen: 4.90 ng
RT: 17.19 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:178 Resp: 277418

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.5	12.6	18.8



Instrument :
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ClientSampleId :
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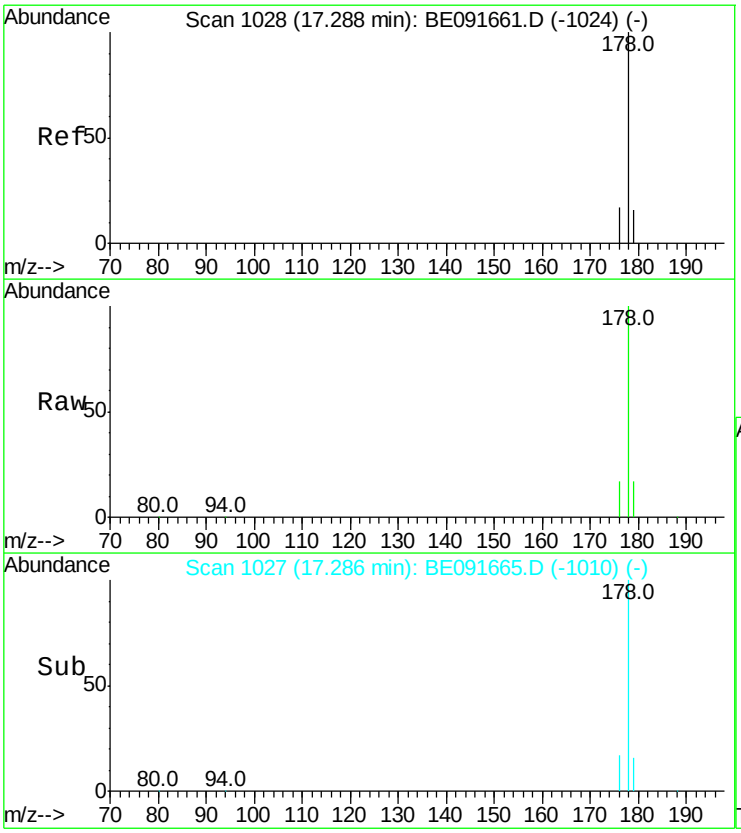
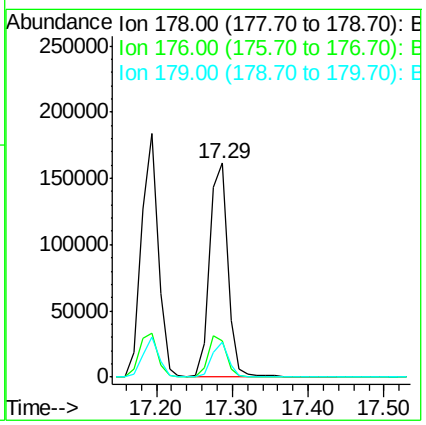
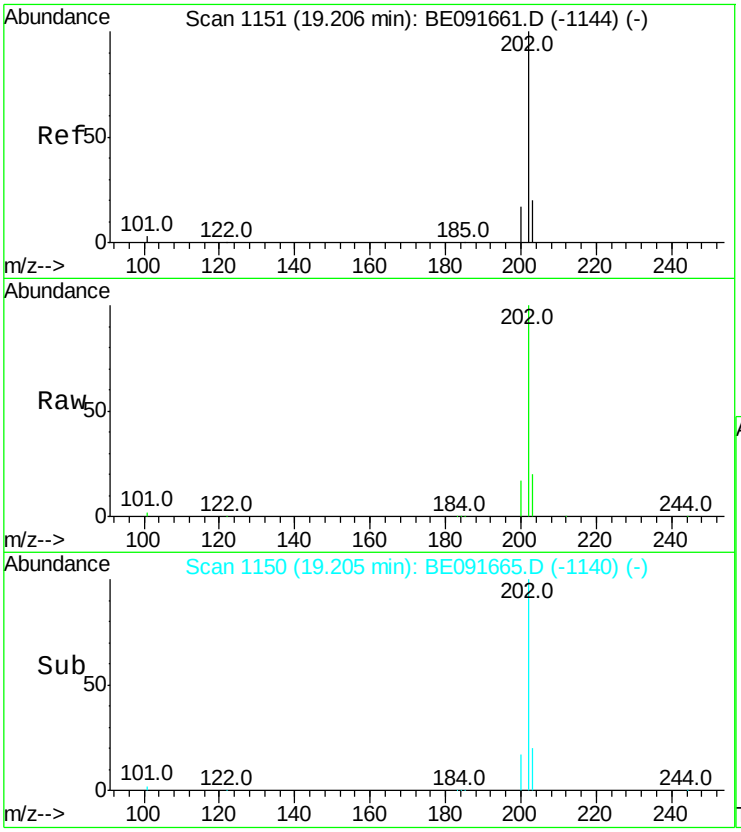


#24
Anthracene
Concen: 5.33 ng
RT: 17.29 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:178 Resp: 267505

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	15.3	11.8	17.6

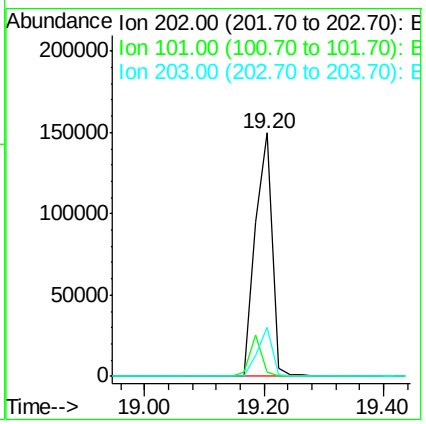




#25
Fluoranthene
Concen: 4.87 ng
RT: 19.20 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:202 Resp: 291760

Ion	Ratio	Lower	Upper
202	100		
101	12.1	11.0	16.6
203	17.7	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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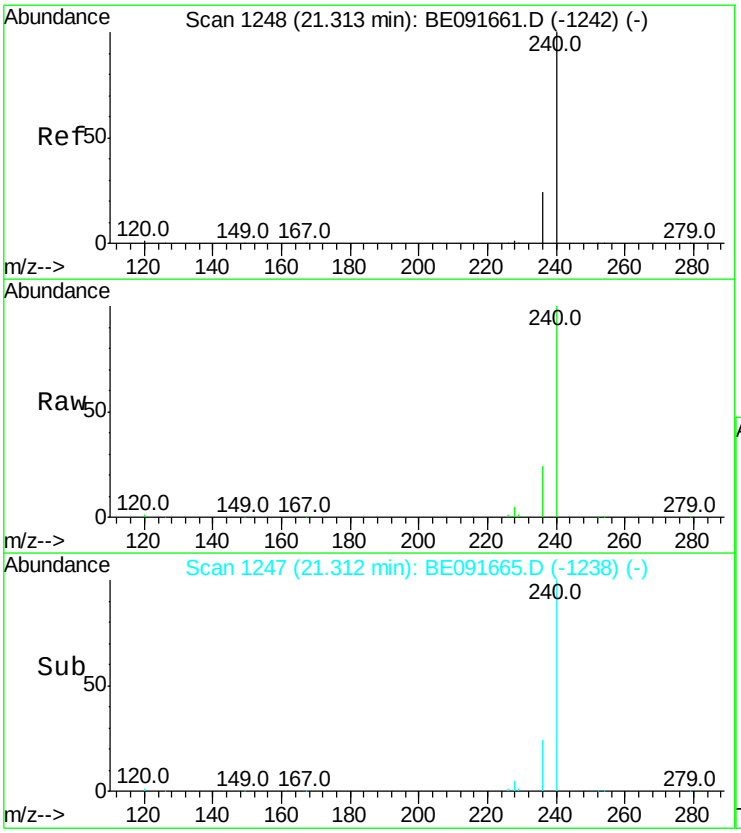
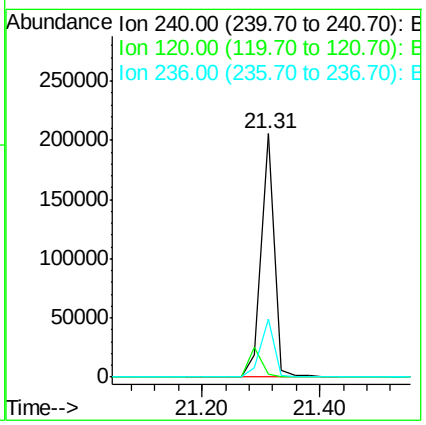
4/19/2016 6:39:23 PM

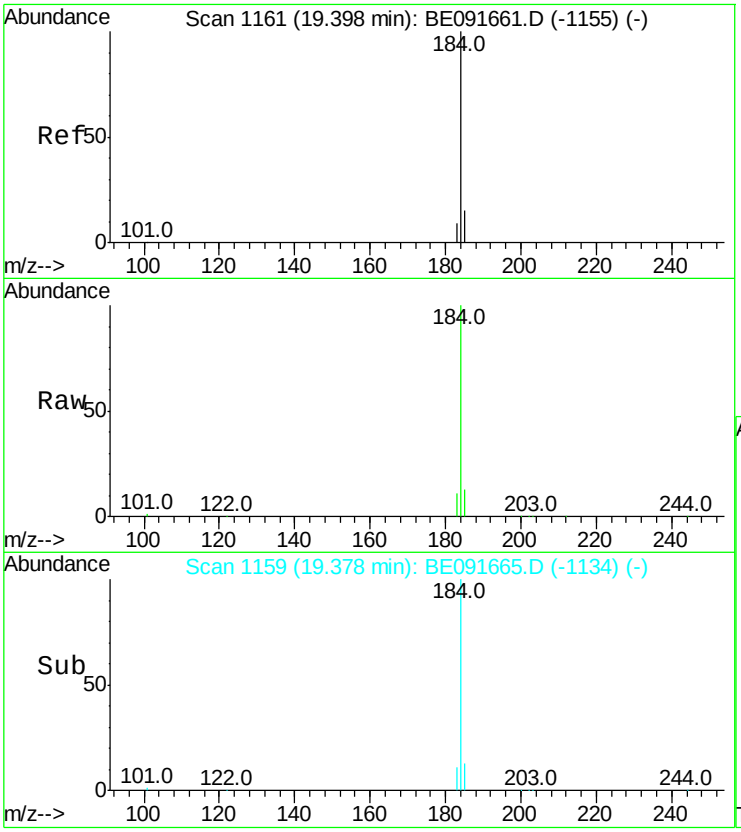


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:240 Resp: 322274

Ion	Ratio	Lower	Upper
240	100		
120	1.3	11.0	16.4#
236	23.9	21.7	32.5

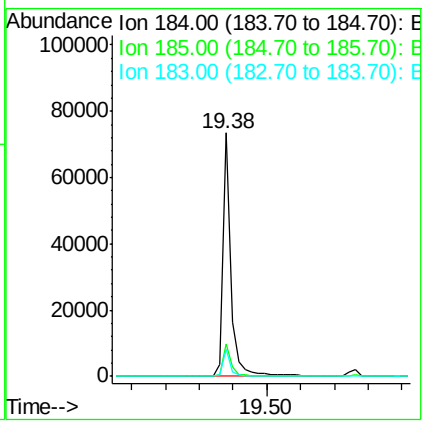




#27
Benzidine
Concen: 5.75 ng
RT: 19.38 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:184 Resp: 121946

Ion	Ratio	Lower	Upper
184	100		
185	13.2	22.3	33.5#
183	11.0	16.4	24.6#



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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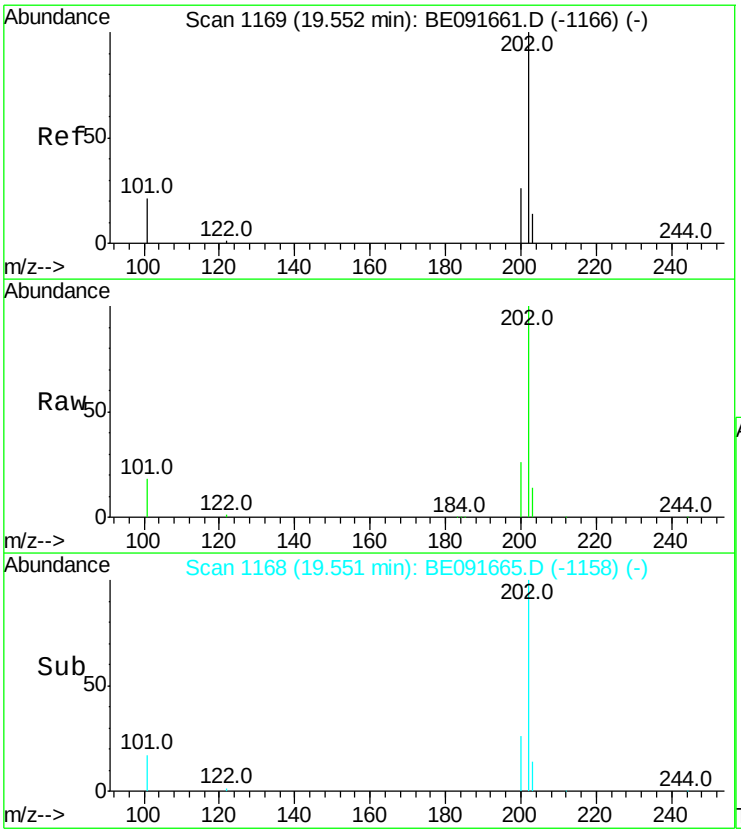
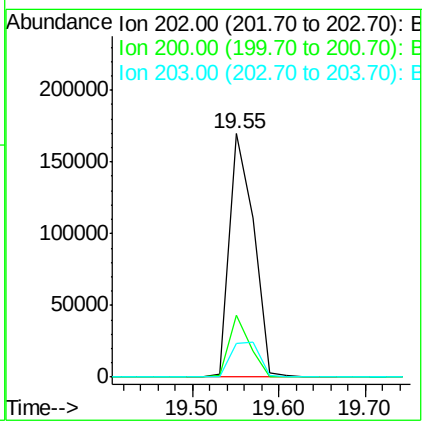
4/19/2016 6:39:23 PM

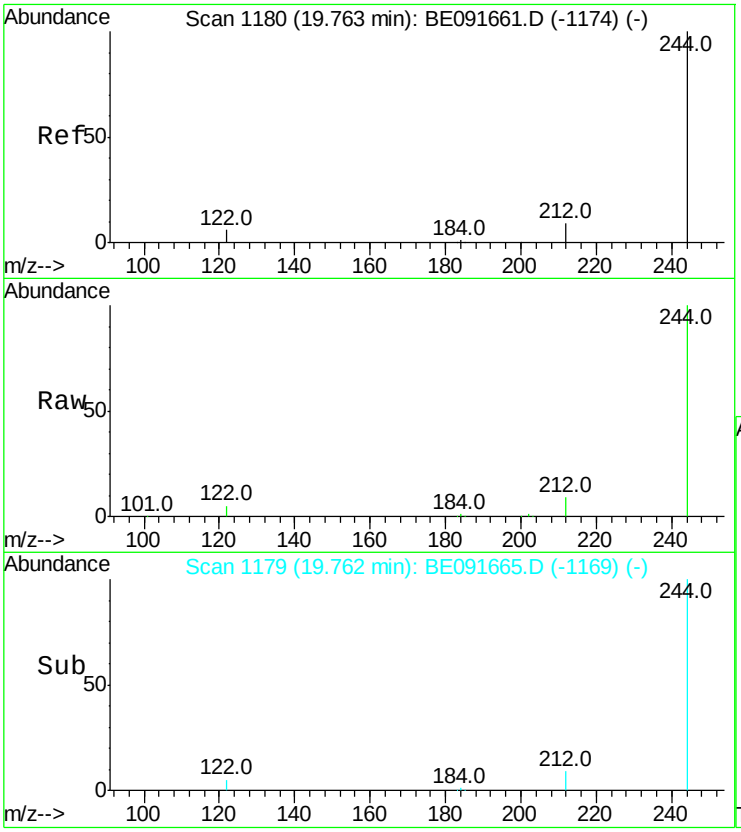


#28
Pyrene
Concen: 5.15 ng
RT: 19.55 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:202 Resp: 332193

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.8	25.2
203	17.1	14.0	21.0

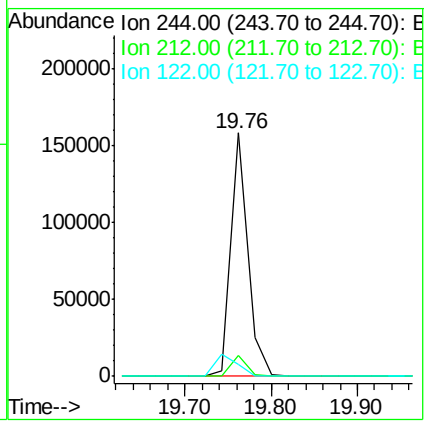




#29
Terphenyl-d14
Concen: 5.42 ng
RT: 19.76 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:244 Resp: 218232

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.9	10.3
122	4.7	11.0	16.4#



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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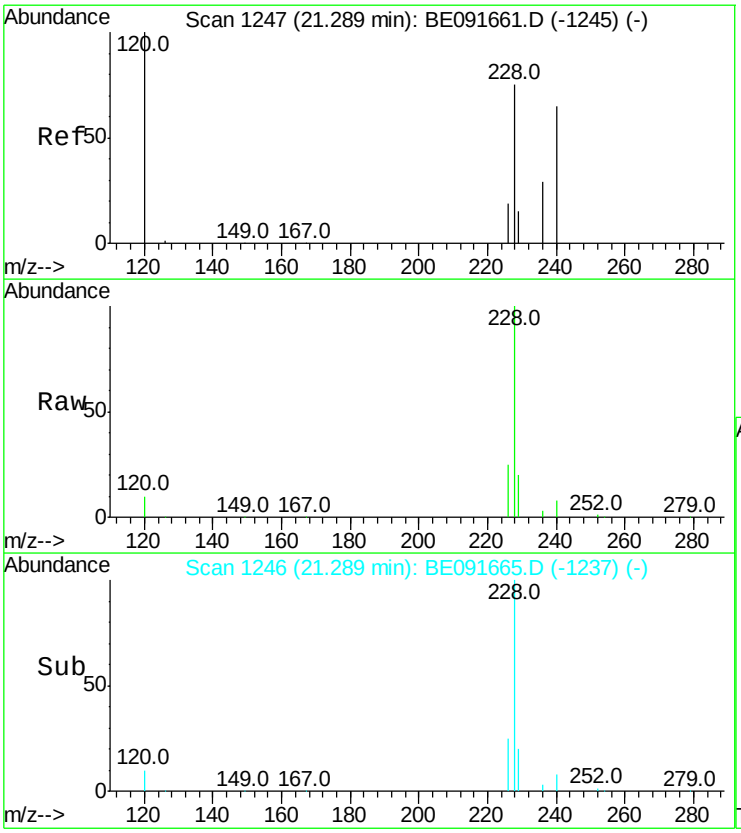
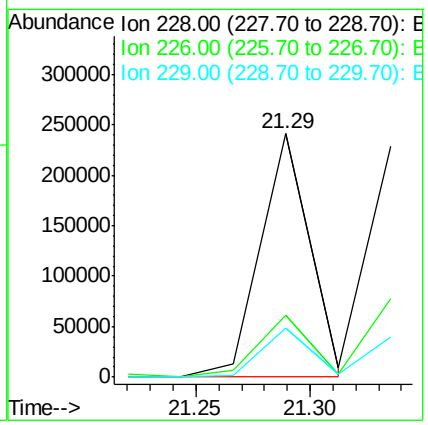
4/19/2016 6:39:23 PM

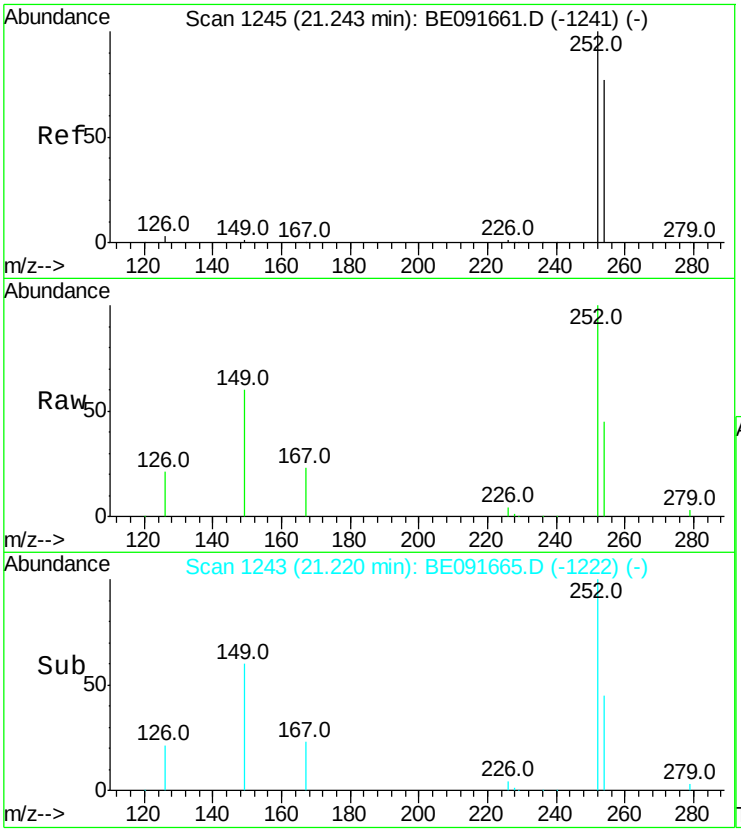


#30
Benzo(a)anthracene
Concen: 5.07 ng m
RT: 21.29 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:228 Resp: 365414

Ion	Ratio	Lower	Upper
228	100		
226	25.3	21.0	31.4
229	20.3	15.7	23.5

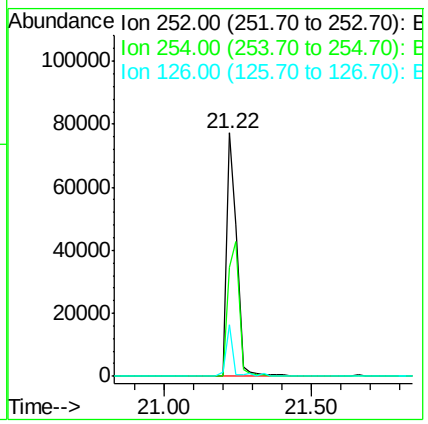




#31
3,3'-Dichlorobenzidine
Concen: 4.74 ng
RT: 21.22 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:252 Resp: 183059

Ion	Ratio	Lower	Upper
252	100		
254	44.6	51.1	76.7#
126	21.1	12.6	18.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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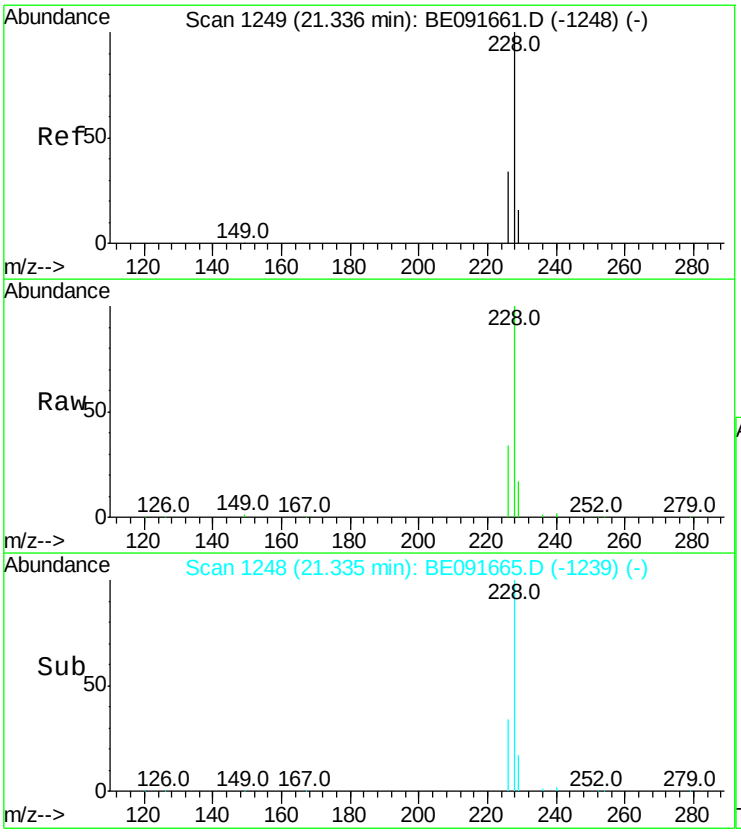
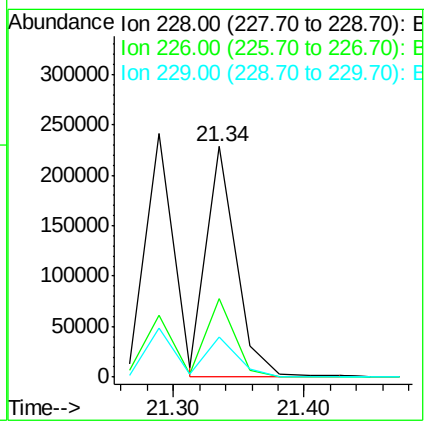
4/19/2016 6:39:23 PM

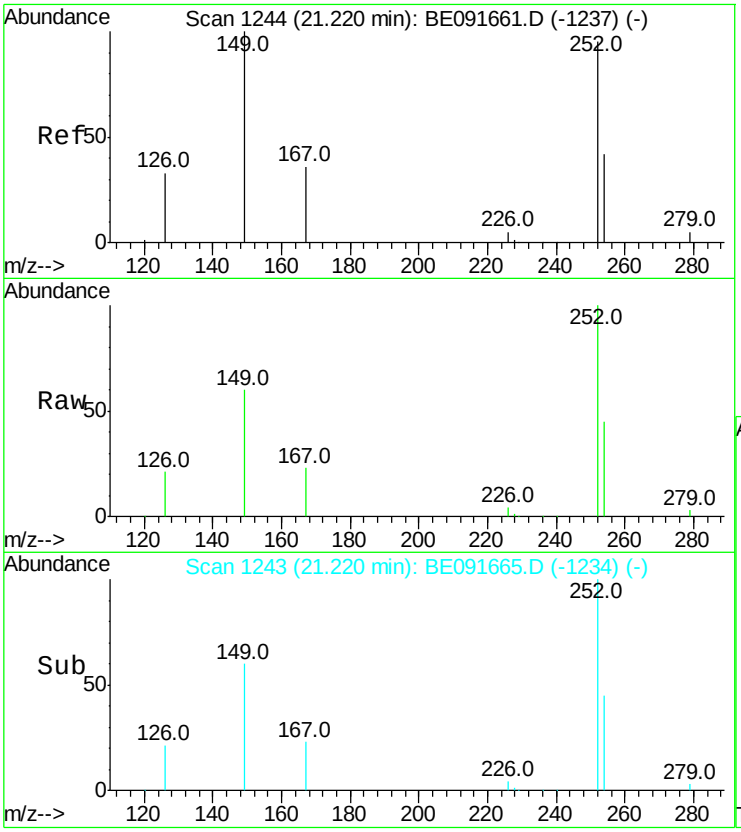


#32
Chrysene
Concen: 5.59 ng m
RT: 21.34 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:228 Resp: 365852

Ion	Ratio	Lower	Upper
228	100		
226	34.0	24.0	36.0
229	17.2	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 2.90 ng
RT: 21.22 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:149 Resp: 92177

Ion	Ratio	Lower	Upper
149	100		
167	32.0	19.5	29.3#
279	3.9	10.0	15.0#

Instrument :
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ClientSampleId :
SSTDICC05

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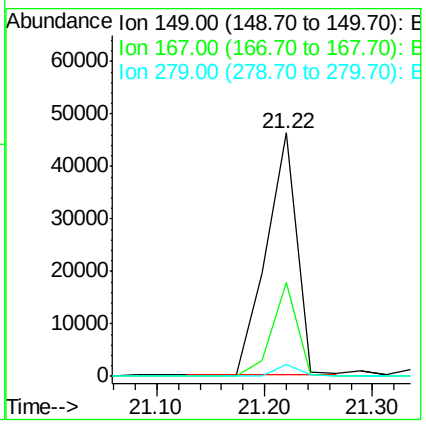
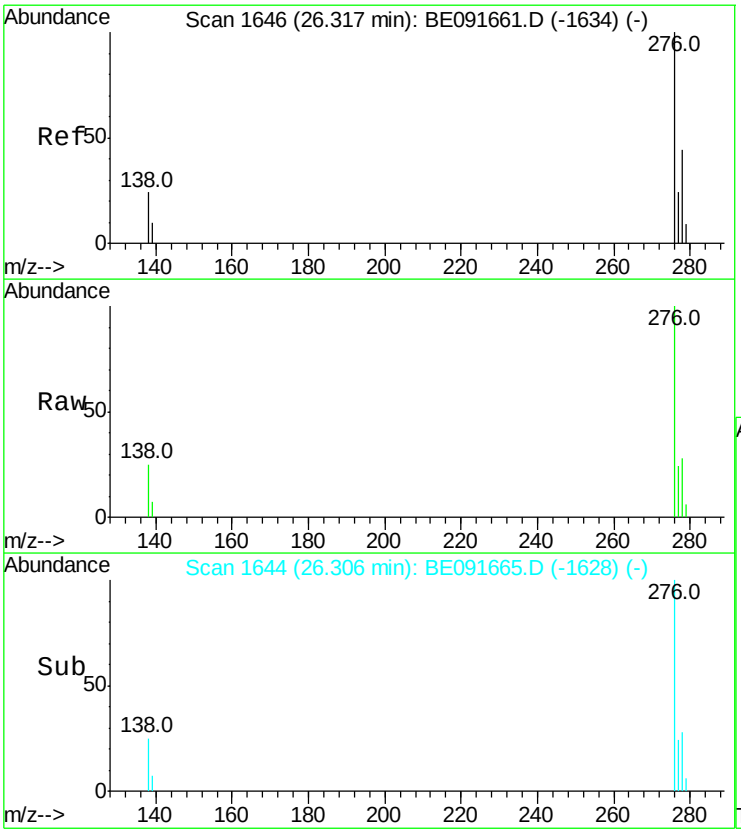
4/19/2016 6:39:23 PM

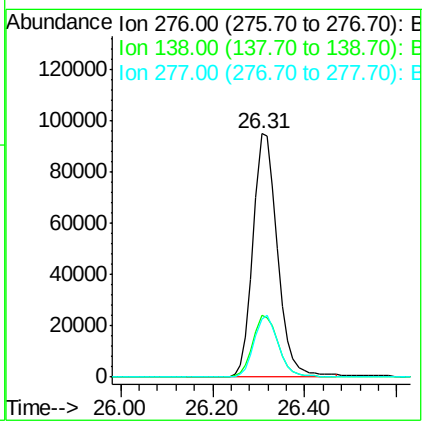


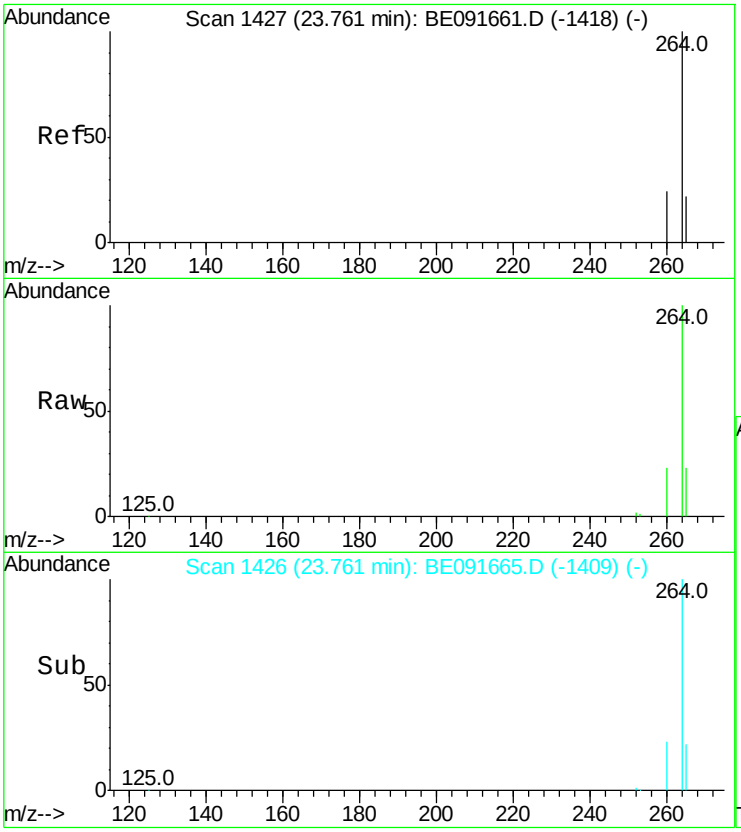


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.81 ng
RT: 26.31 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:276 Resp: 351115

Ion	Ratio	Lower	Upper
276	100		
138	26.3	23.4	35.2
277	25.0	19.8	29.8

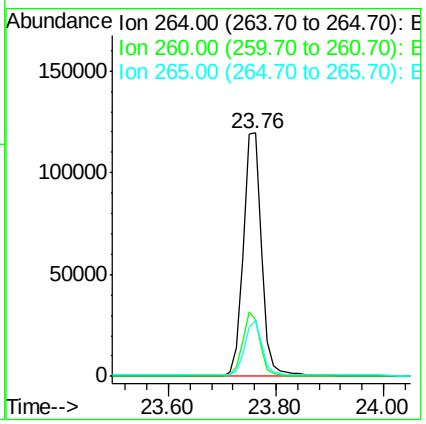




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:264 Resp: 280679

Ion	Ratio	Lower	Upper
264	100		
260	23.4	20.0	30.0
265	22.9	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

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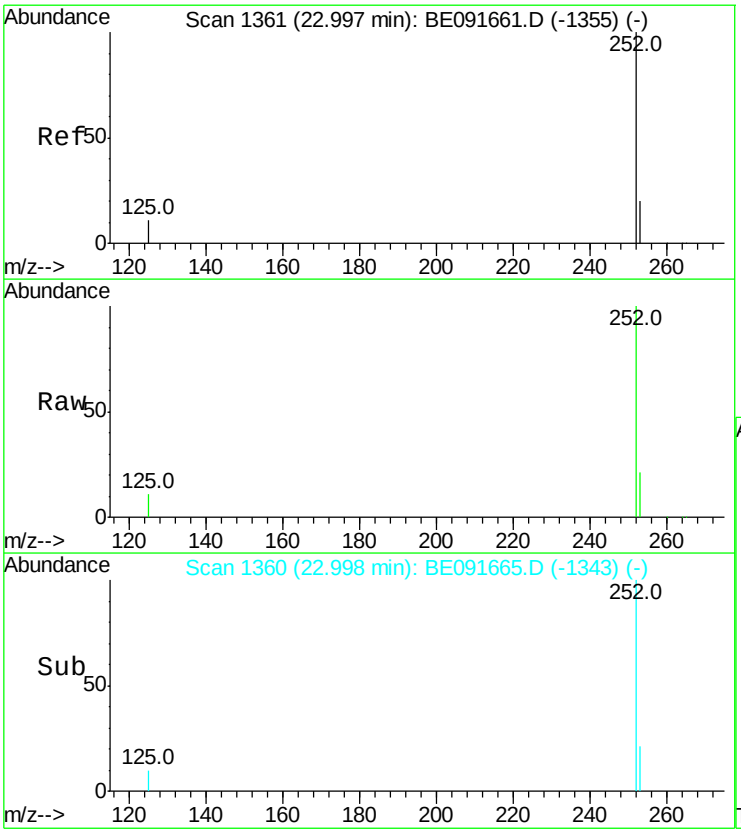
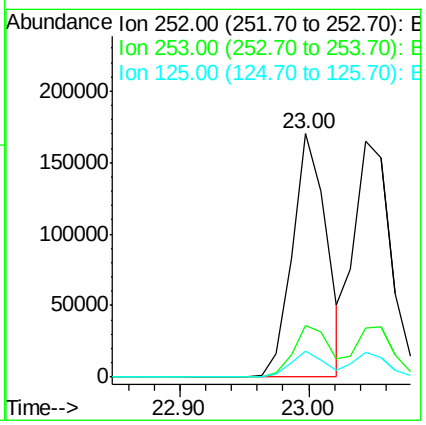
4/19/2016 6:39:23 PM

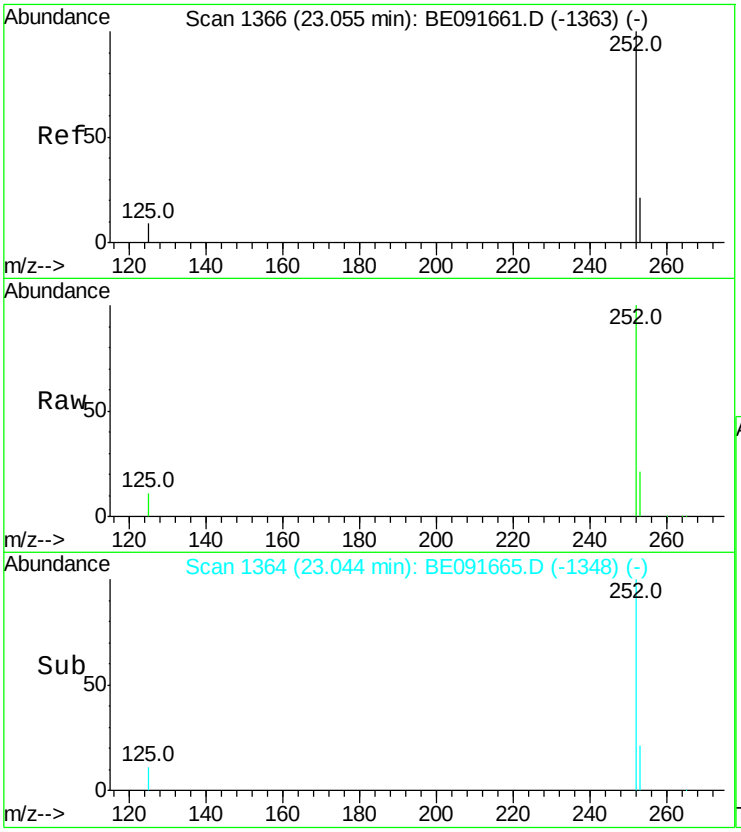


#36
Benzo(b)fluoranthene
Concen: 4.79 ng
RT: 23.00 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:252 Resp: 312418

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.0
125	10.5	10.2	15.2

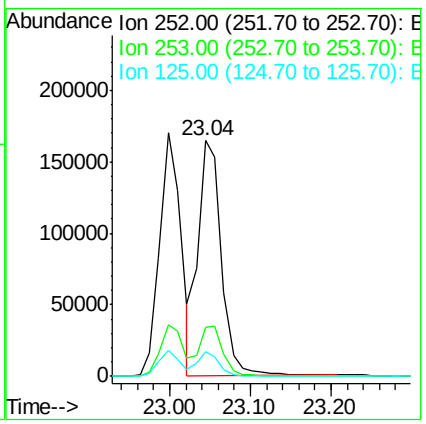




#37
Benzo(k)fluoranthene
Concen: 5.17 ng
RT: 23.04 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

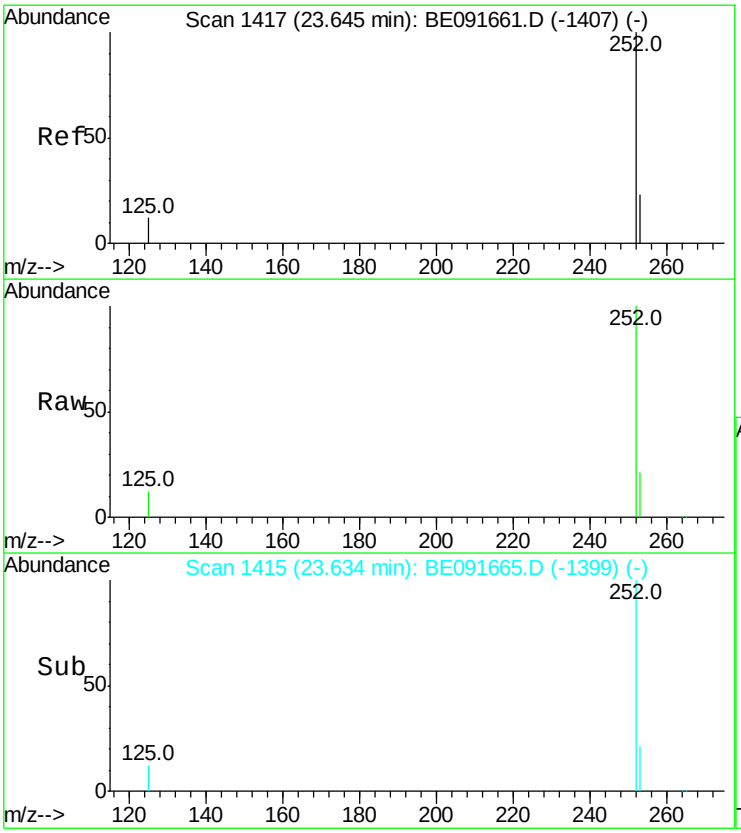
Tgt Ion:252 Resp: 332220

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.6	26.4
125	10.7	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

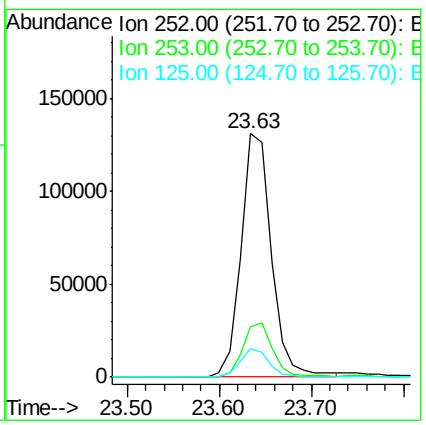
Manual Integrations APPROVED
Sohil
4/19/2016 6:39:23 PM

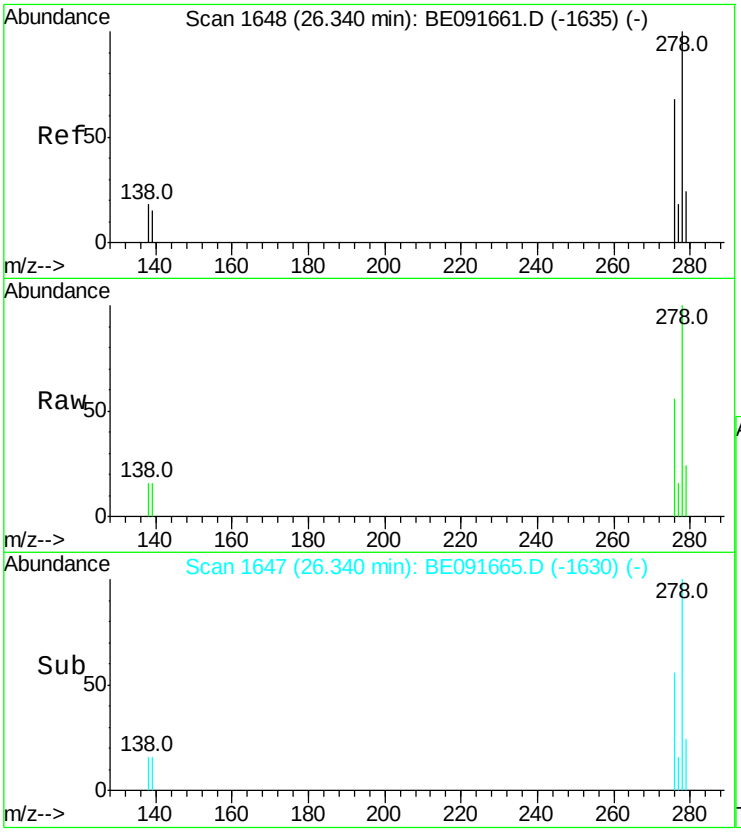


#38
Benzo(a)pyrene
Concen: 4.92 ng
RT: 23.63 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:252 Resp: 297948

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.1	27.1
125	11.7	11.0	16.4

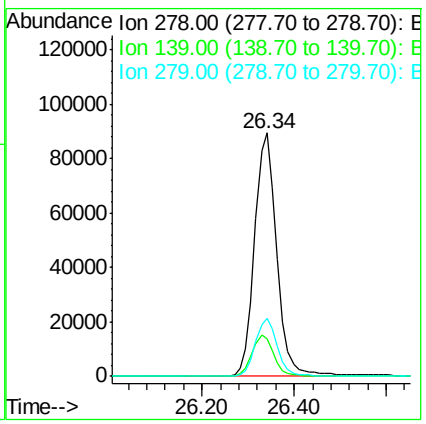




#39
Dibenzo(a,h)anthracene
Concen: 4.97 ng
RT: 26.34 min Scan# 1647
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

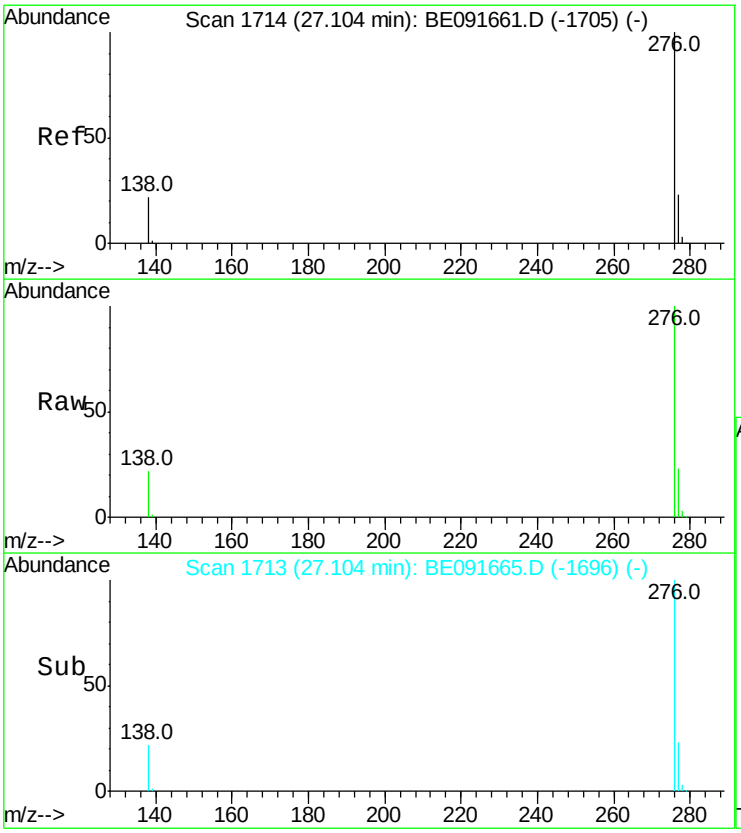
Tgt Ion:278 Resp: 296325

Ion	Ratio	Lower	Upper
278	100		
139	15.6	16.0	24.0#
279	23.8	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC05

Manual Integrations APPROVED
Sohil
4/19/2016 6:39:23 PM



#40
Benzo(g,h,i)perylene
Concen: 4.84 ng
RT: 27.10 min Scan# 1713
Delta R.T. 0.00 min
Lab File: BE091665.D
Acq: 18 Apr 2016 15:04

Tgt Ion:276 Resp: 297497

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	22.4	20.4	30.6