Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050916\
Data File : BE091757.D
Acq On : 9 May 2016 14:35
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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Quant Time: May 10 01:13:32 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	40624	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	197749	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	121478	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	294012	5.00	ng		0.00
26) Chrysene-d12	21.31	240	284397	5.00	ng		0.00
35) Perylene-d12	23.75	264	296536	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3438	0.34	ng		0.00
5) Phenol-d6	6.97	99	4525	0.34	ng		0.02
8) Nitrobenzene-d5	8.96	82	3969	0.31	ng		0.01
14) 2,4,6-Tribromophenol	15.90	330	1094	0.40	ng		0.00
15) 2-Fluorobiphenyl	13.04	172	12700	0.37	ng		0.00
29) Terphenyl-d14	19.76	244	19116	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	1948	0.32	ng		95
3) n-Nitrosodimethylamine	3.65	42	2047	0.28	ng		97
6) bis(2-Chloroethyl)ether	7.21	93	4068	0.35	ng	#	80
9) Nitrobenzene	8.99	77	3974	0.30	ng	#	95
10) Naphthalene	10.61	128	15609	0.39	ng		97
11) Hexachlorobutadiene	10.90	225	2334m	0.40	ng		
12) 2-Methylnaphthalene	12.24	142	9817	0.38	ng		91
16) Acenaphthylene	14.12	152	18051	0.39	ng	#	77
17) Acenaphthene	14.47	154	11113	0.37	ng		86
18) Fluorene	15.46	166	13759	0.37	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	4015	0.38	ng		94
21) Hexachlorobenzene	16.45	284	4305	0.41	ng		99
22) Pentachlorophenol	16.79	266	1066	0.28	ng		92
23) Phenanthrene	17.18	178	25698	0.38	ng		99
24) Anthracene	17.28	178	22516	0.37	ng		99
25) Fluoranthene	19.19	202	25553	0.37	ng	#	96
27) Benzidine	19.38	184	7059	0.47	ng	#	80
28) Pyrene	19.55	202	27526	0.43	ng		99
30) Benzo(a)anthracene	21.29	228	27348	0.39	ng		92
31) 3,3'-Dichlorobenzidine	21.22	252	14473	0.41	ng	#	84
32) Chrysene	21.33	228	32721m	0.45	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	10163	0.48	ng	#	87
34) Indeno(1,2,3-cd)pyrene	26.31	276	27840	0.43	ng		94
36) Benzo(b)fluoranthene	22.99	252	27553	0.40	ng		99
37) Benzo(k)fluoranthene	23.04	252	24103	0.34	ng		96
38) Benzo(a)pyrene	23.63	252	24051	0.37	ng		97
39) Dibenzo(a,h)anthracene	26.33	278	22720	0.37	ng	#	95
40) Benzo(g,h,i)perylene	27.09	276	23985	0.38	ng	#	93

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050916\
Data File : BE091757.D
Acq On : 9 May 2016 14:35
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 01:13:32 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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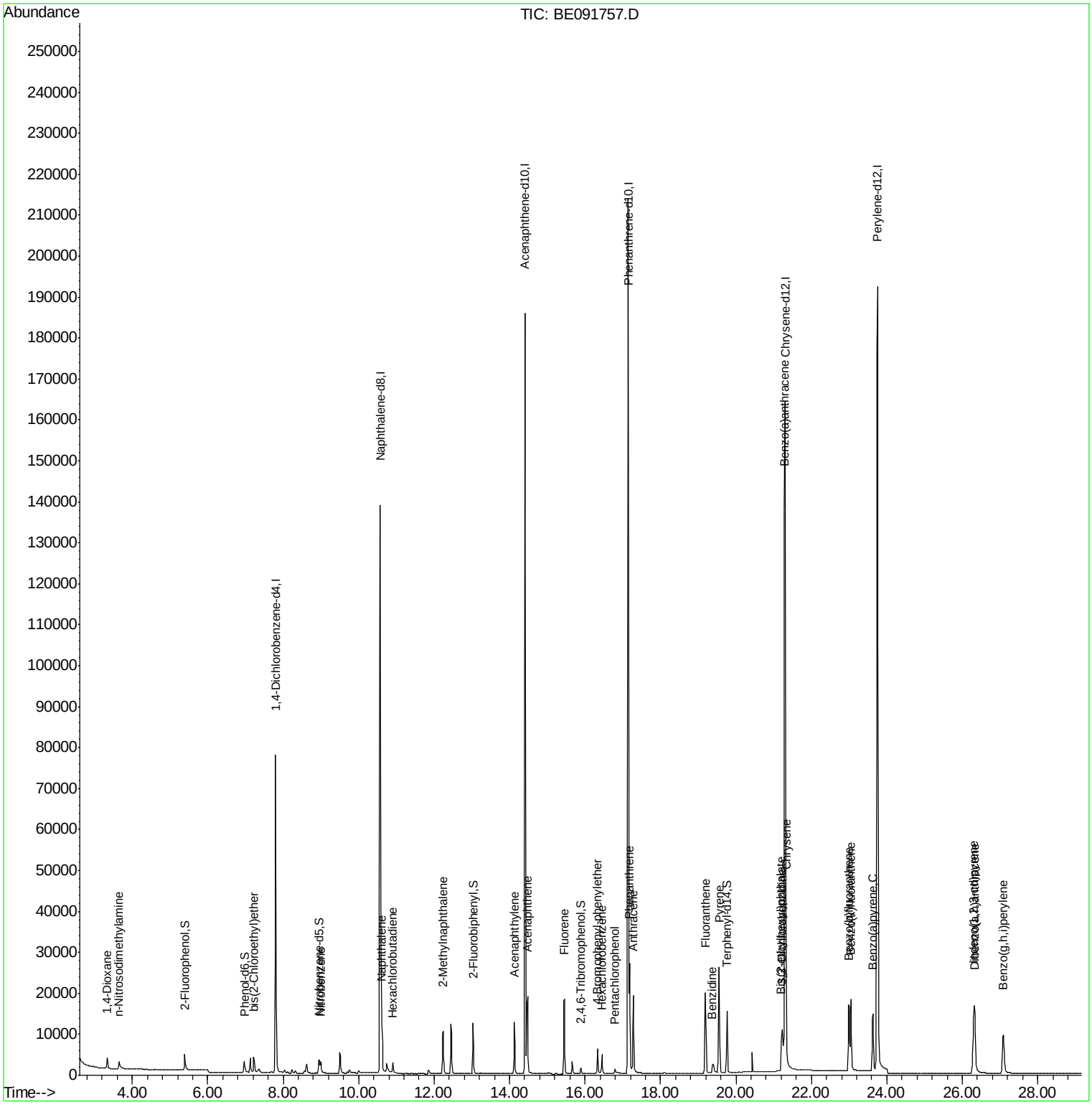
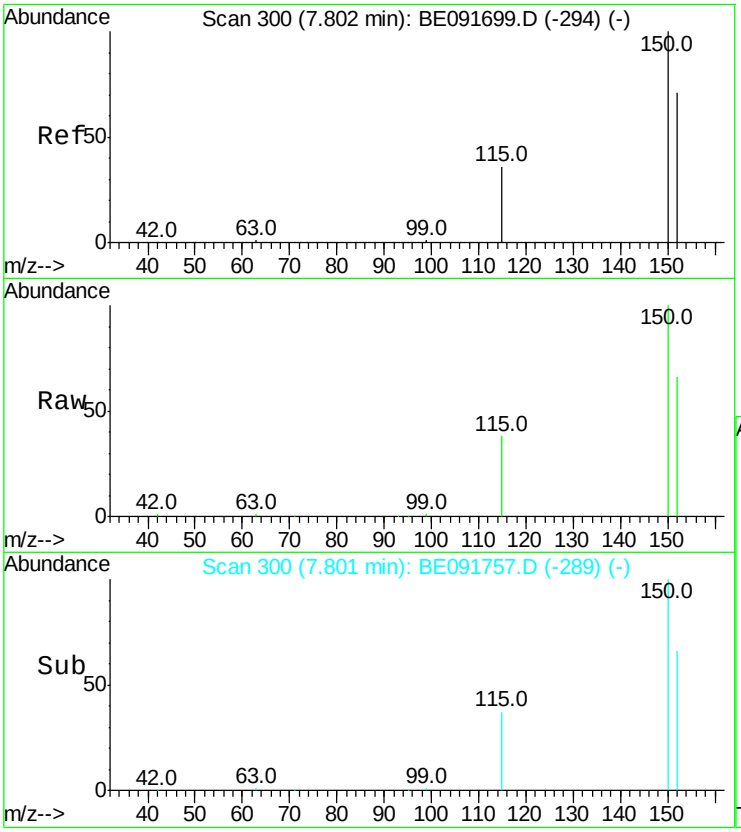
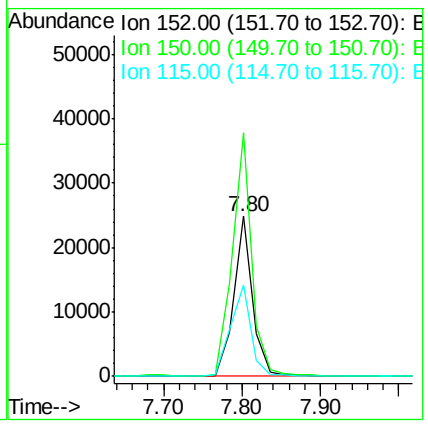




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:152 Resp: 40624

Ion	Ratio	Lower	Upper
152	100		
150	152.0	122.6	183.8
115	57.1	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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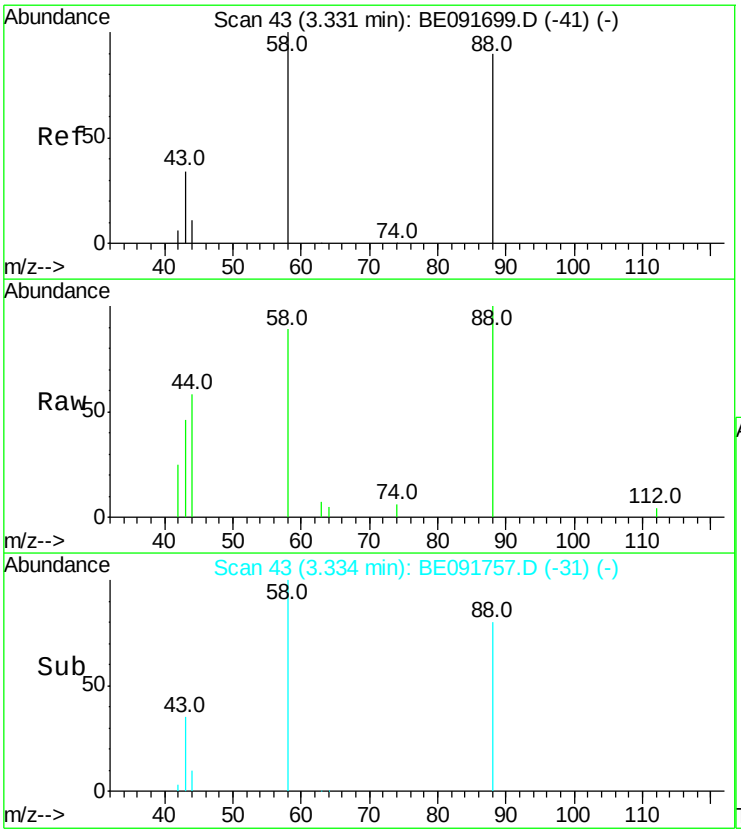
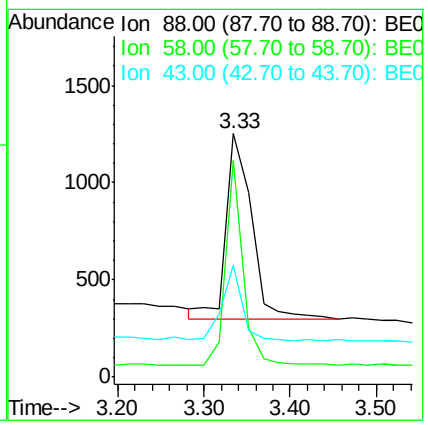
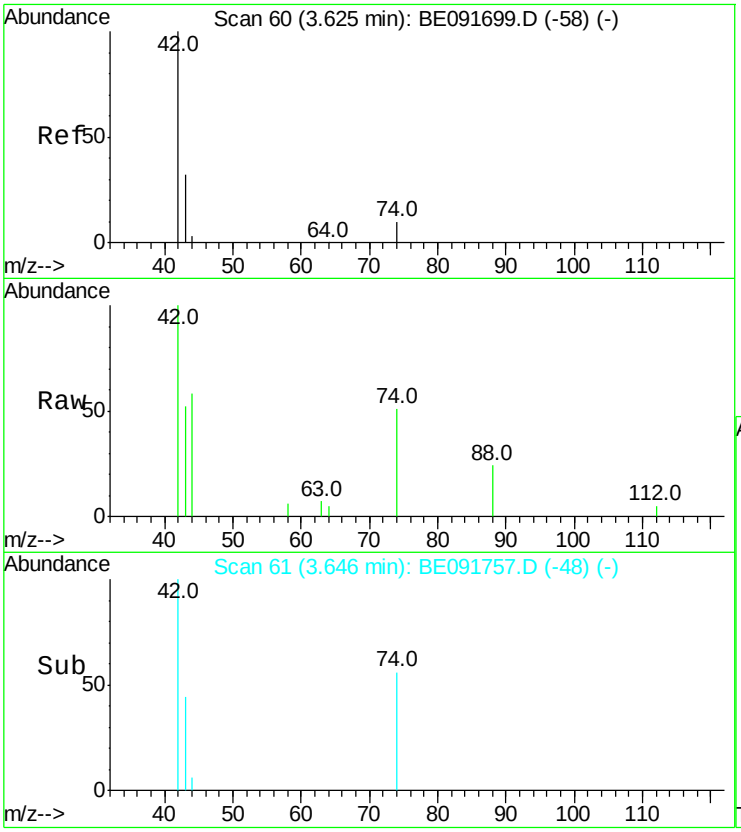


#2
1,4-Dioxane
Concen: 0.32 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion: 88 Resp: 1948

Ion	Ratio	Lower	Upper
88	100		
58	75.7	65.8	98.6
43	31.8	25.3	37.9

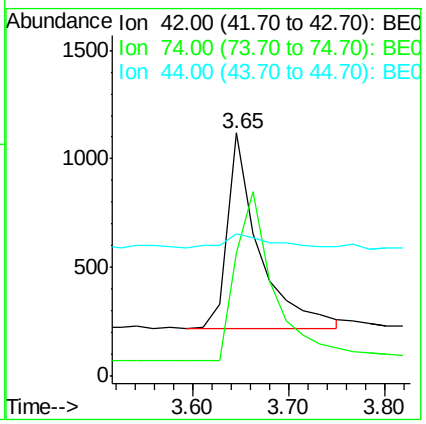




#3
n-Nitrosodimethylamine
Concen: 0.28 ng
RT: 3.65 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion: 42 Resp: 2047

Ion	Ratio	Lower	Upper
42	100		
74	106.3	87.9	131.9
44	9.3	6.6	9.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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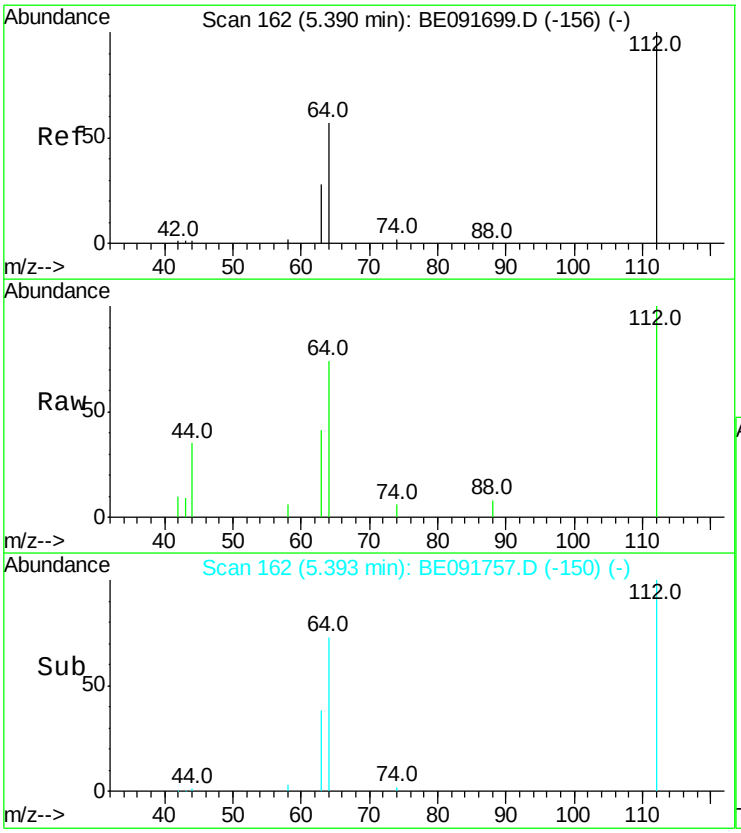
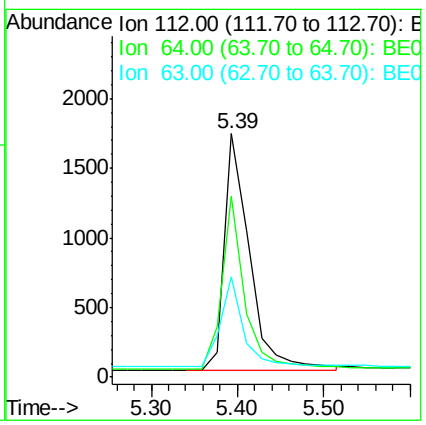
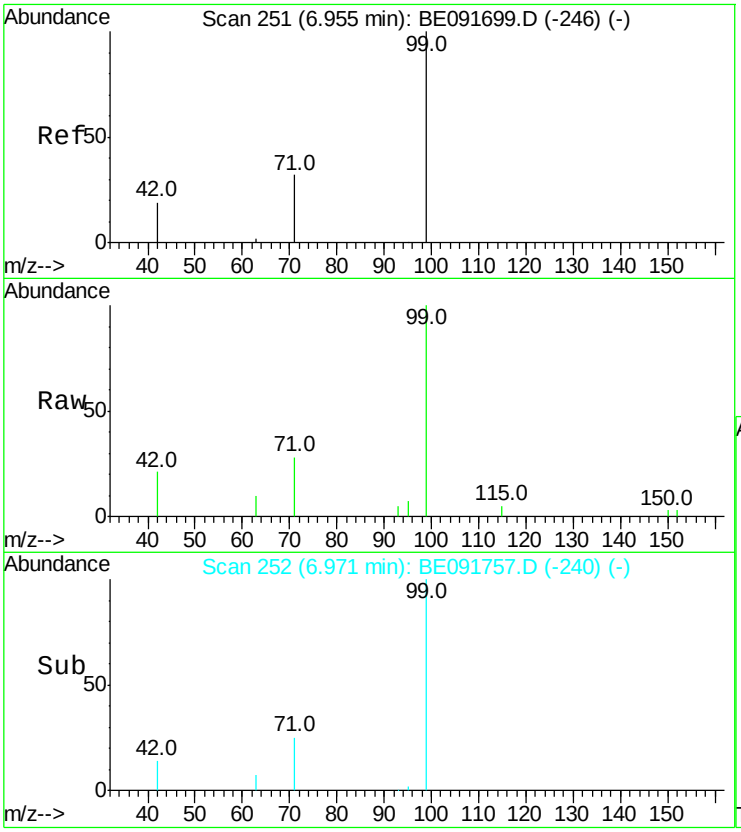


#4
2-Fluorophenol
Concen: 0.34 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:112 Resp: 3438

Ion	Ratio	Lower	Upper
112	100		
64	67.0	30.9	46.3#
63	36.0	16.7	25.1#





#5
Phenol-d6
Concen: 0.34 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.02 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion: 99 Resp: 4525

Ion	Ratio	Lower	Upper
99	100		
42	26.3	16.2	24.2#
71	35.4	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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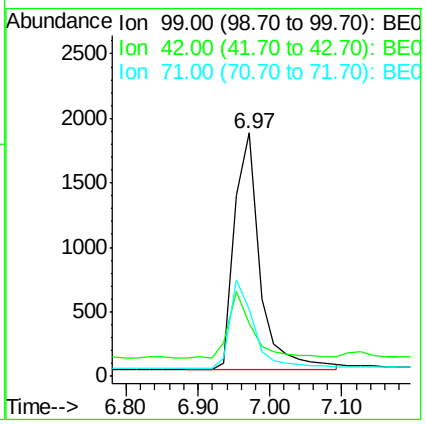
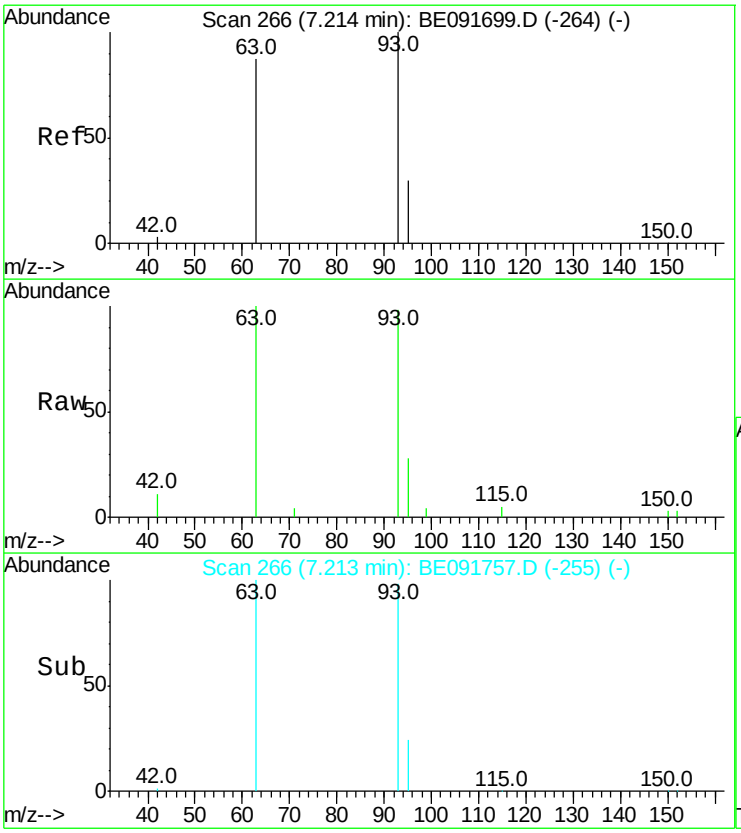
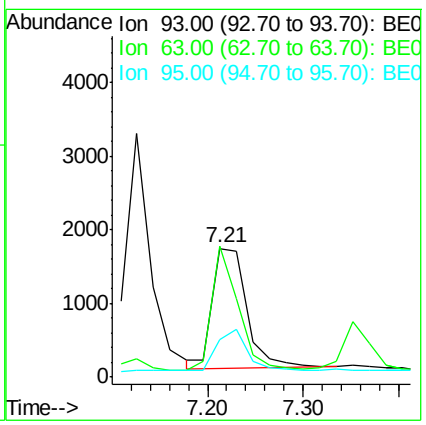


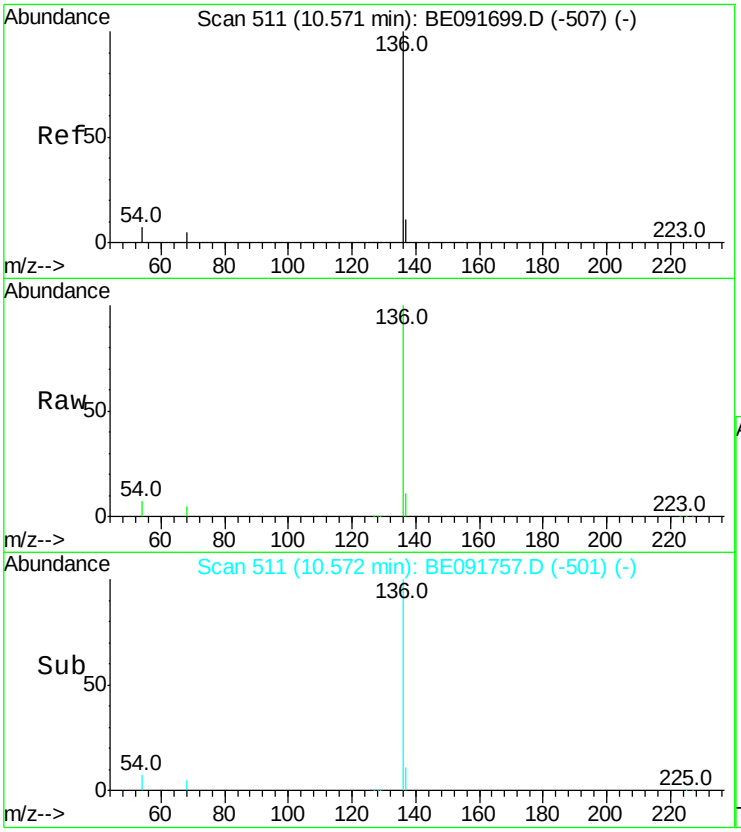


#6
bis(2-Chloroethyl)ether
Concen: 0.35 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion: 93 Resp: 4068

Ion	Ratio	Lower	Upper
93	100		
63	81.7	49.5	74.3#
95	31.1	22.2	33.4

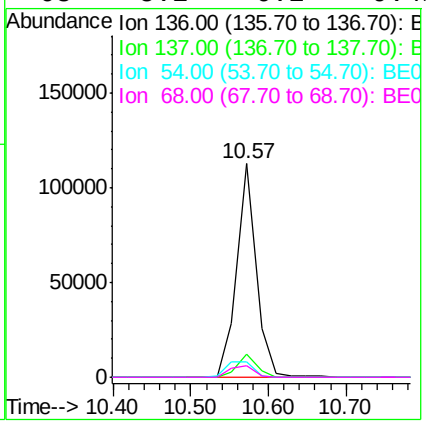




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:136 Resp: 197749

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	8.2	12.4#
68	5.2	6.2	9.4#



Instrument :
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ClientSampleId :
SSTDCCC0.4EC

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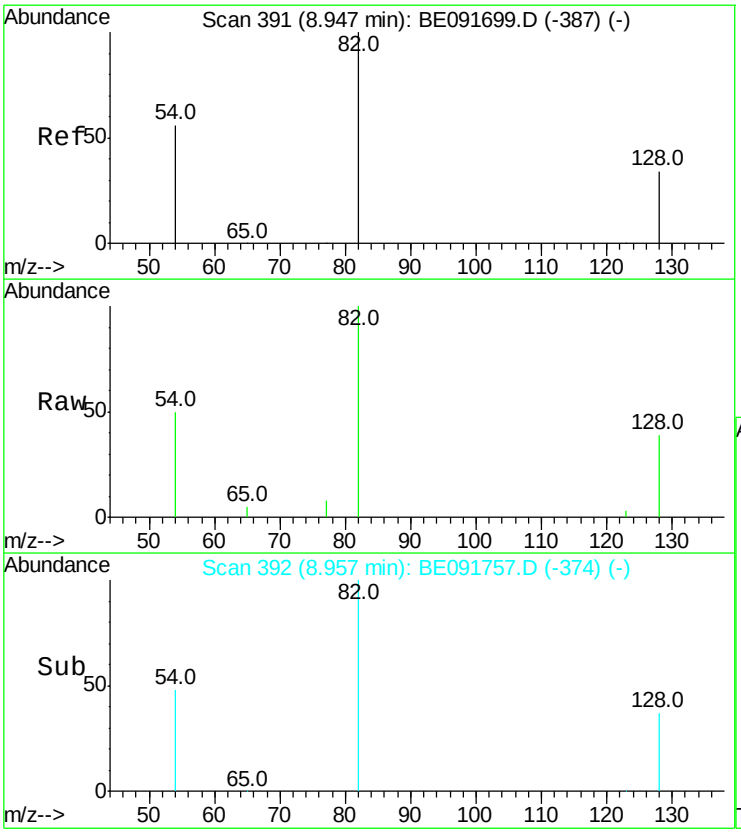
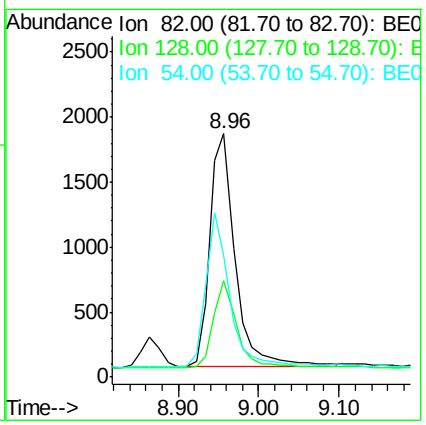
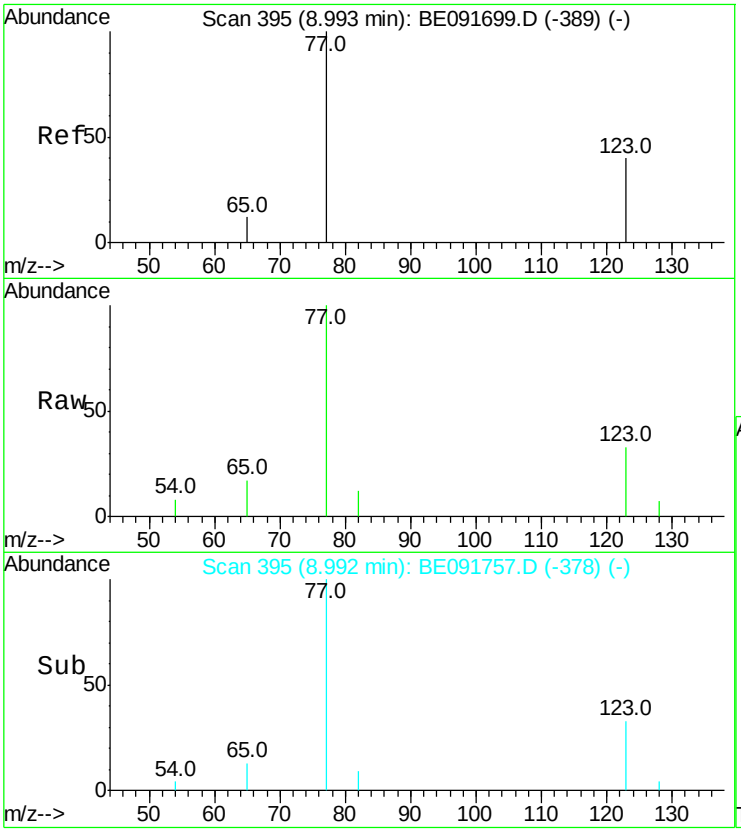


#8
Nitrobenzene-d5
Concen: 0.31 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.01 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion: 82 Resp: 3969

Ion	Ratio	Lower	Upper
82	100		
128	39.5	25.4	38.0#
54	49.9	48.4	72.6

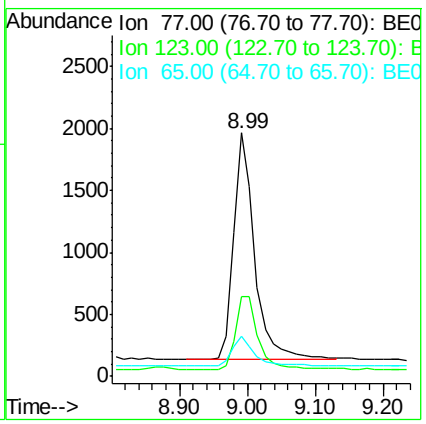




#9
Nitrobenzene
Concen: 0.30 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion: 77 Resp: 3974

Ion	Ratio	Lower	Upper
77	100		
123	35.7	26.9	40.3
65	14.7	9.4	14.2#



Instrument :
BNA_E
ClientSampleId :
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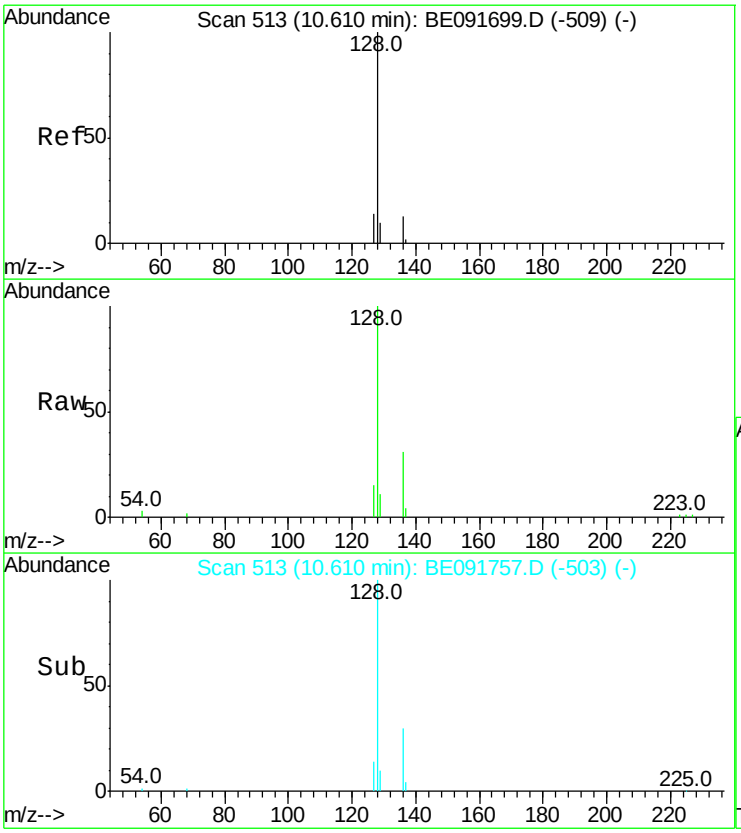
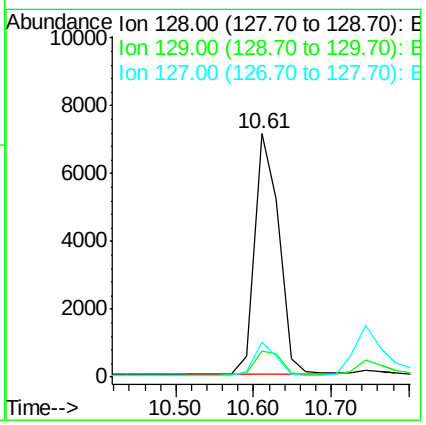
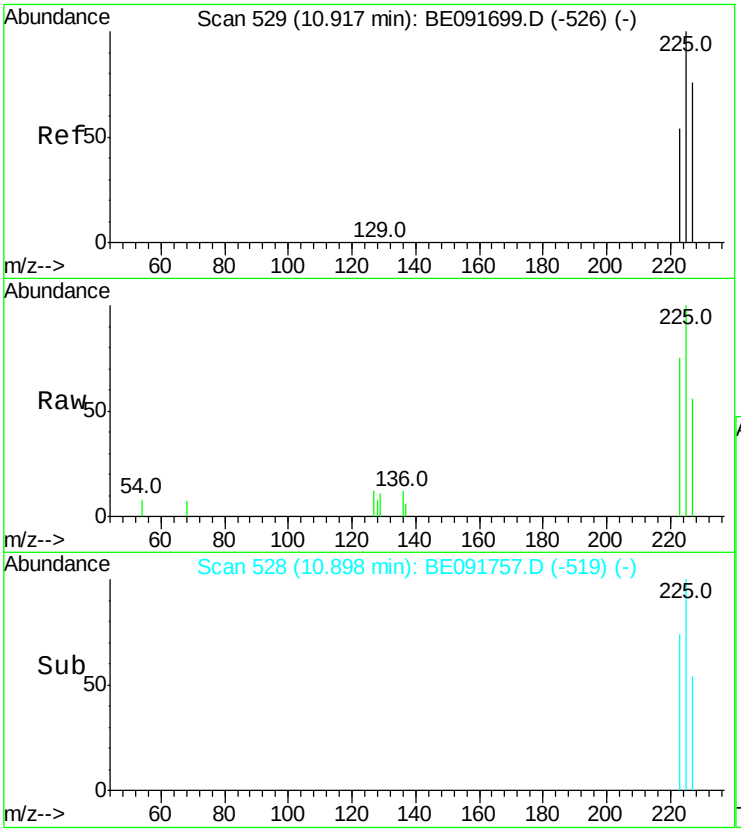


#10
Naphthalene
Concen: 0.39 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:128 Resp: 15609

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.3	13.9
127	14.6	10.7	16.1

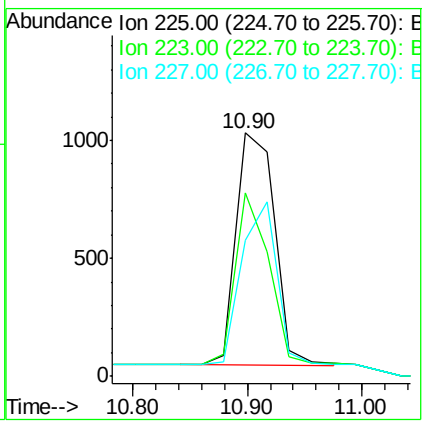




#11
Hexachlorobutadiene
Concen: 0.40 ng m
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:225 Resp: 2334

Ion	Ratio	Lower	Upper
225	100		
223	91.9	49.0	73.6#
227	87.7	50.3	75.5#



Instrument :
BNA_E
ClientSampleId :
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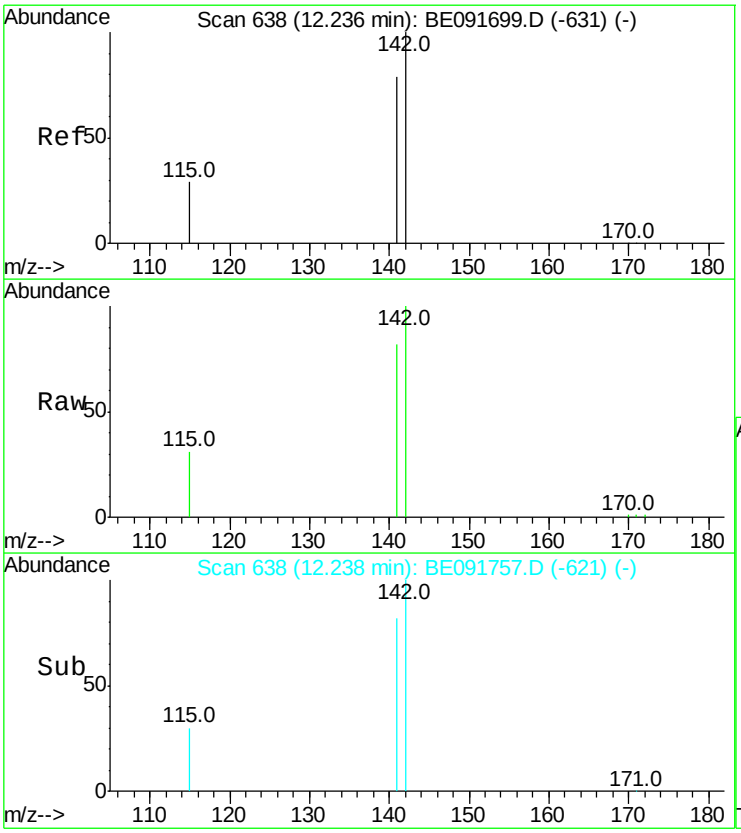
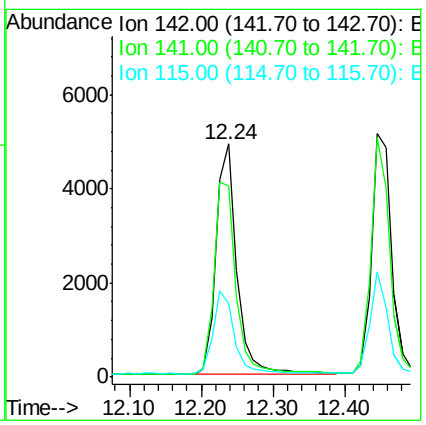
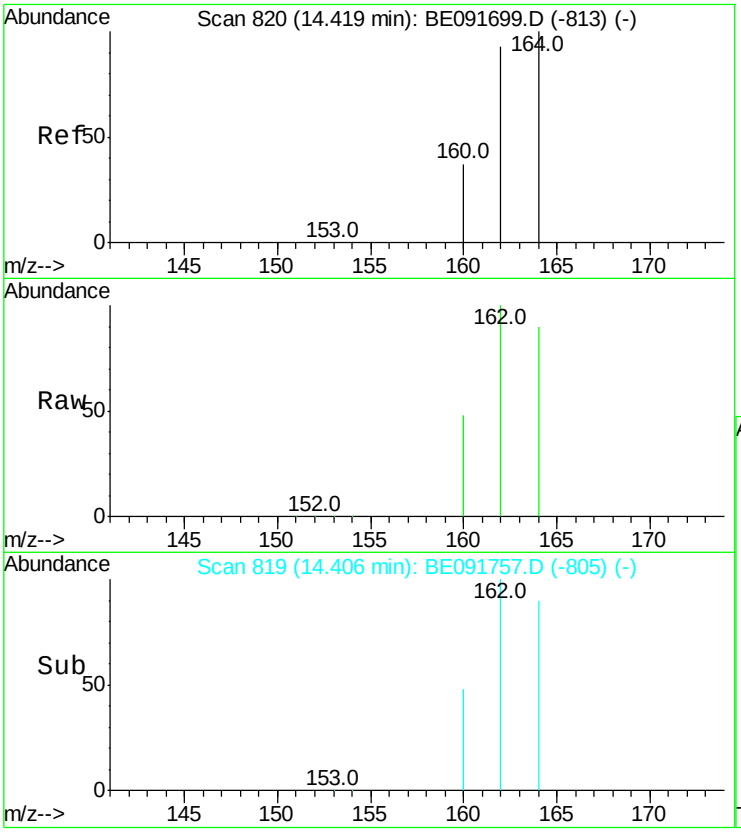


#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:142 Resp: 9817

Ion	Ratio	Lower	Upper
142	100		
141	82.1	71.4	107.0
115	31.2	30.3	45.5

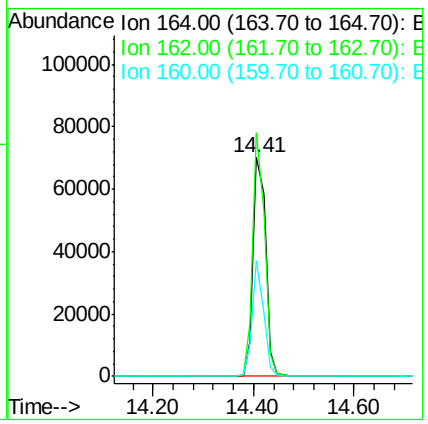




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:164 Resp: 121478

Ion	Ratio	Lower	Upper
164	100		
162	111.2	85.3	127.9
160	53.0	46.2	69.2



Instrument :
BNA_E
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SSTDCCC0.4EC

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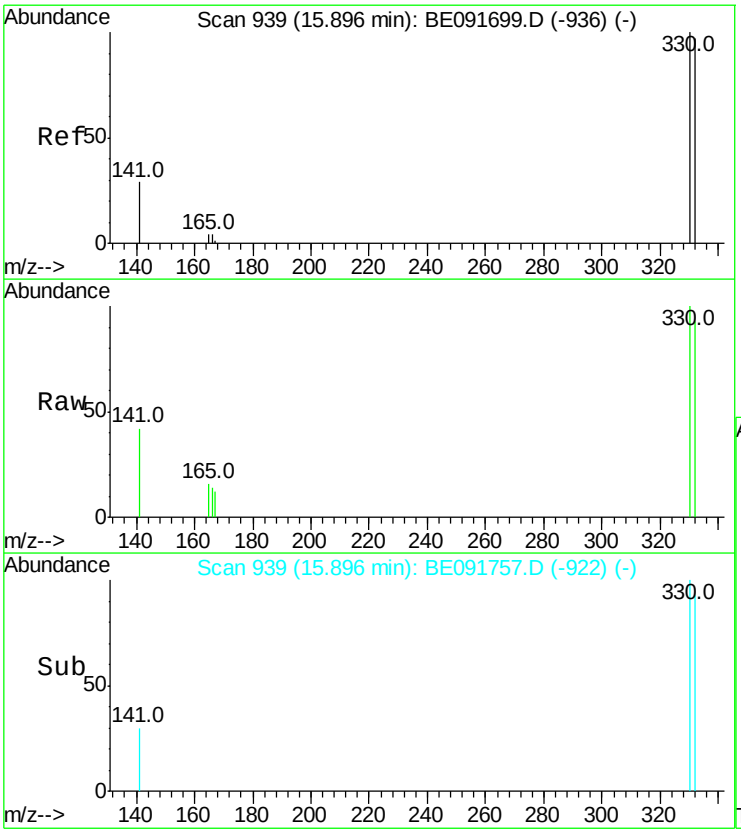
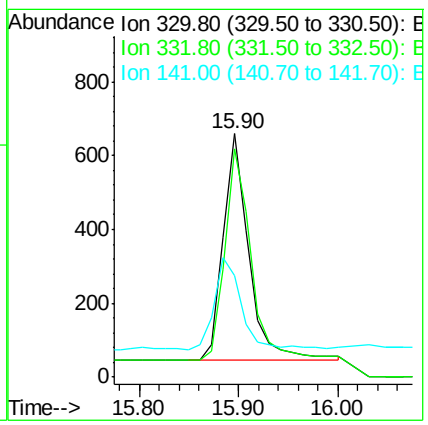
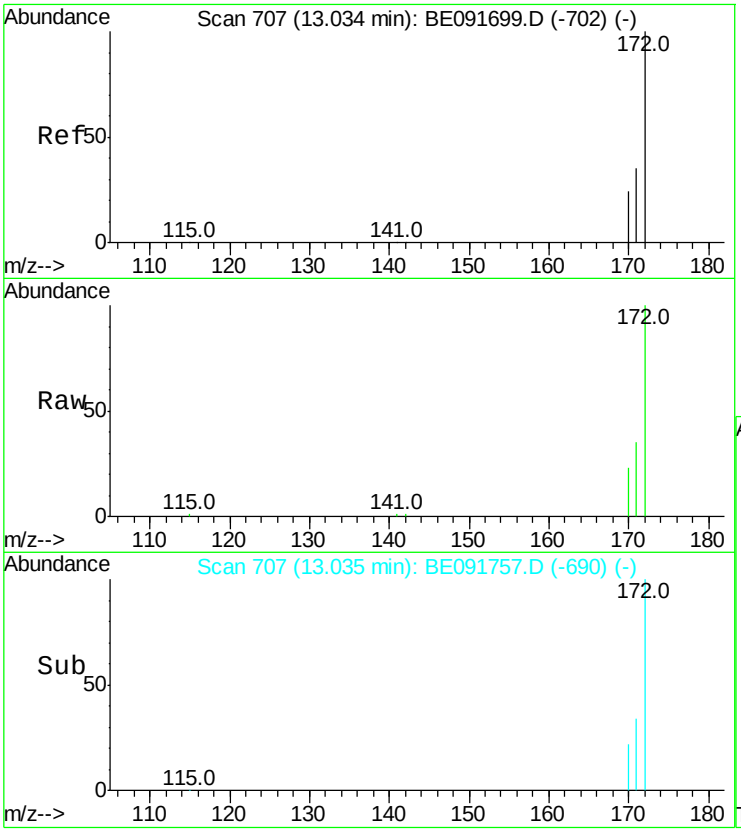


#14
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:330 Resp: 1094

Ion	Ratio	Lower	Upper
330	100		
332	95.3	79.1	118.7
141	43.1	125.4	188.0#

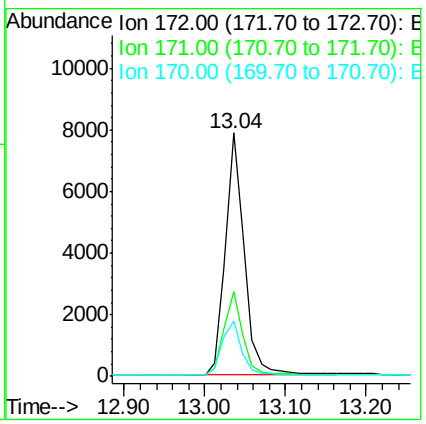




#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:172 Resp: 12700

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	23.0	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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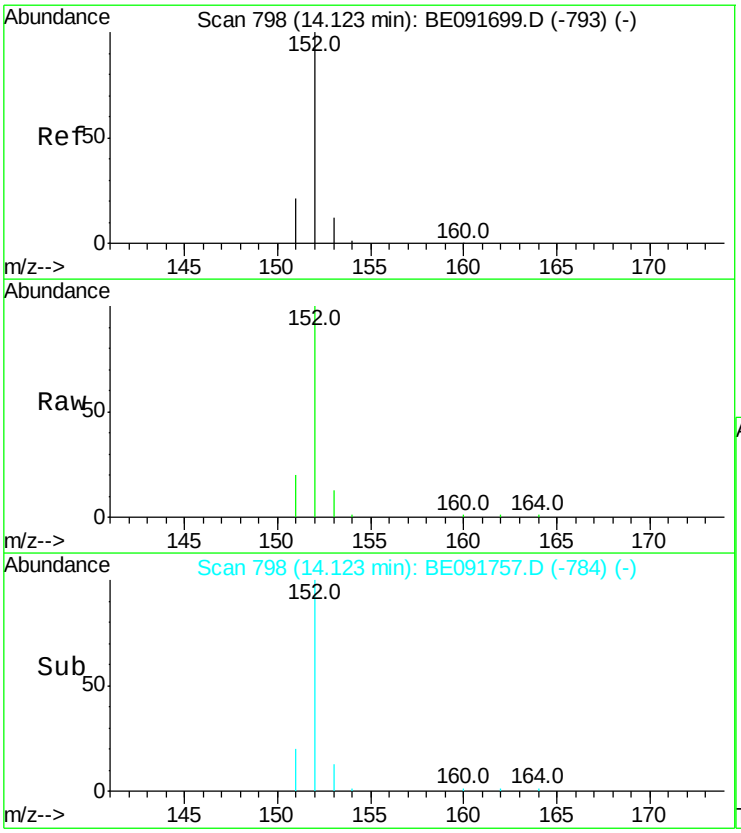
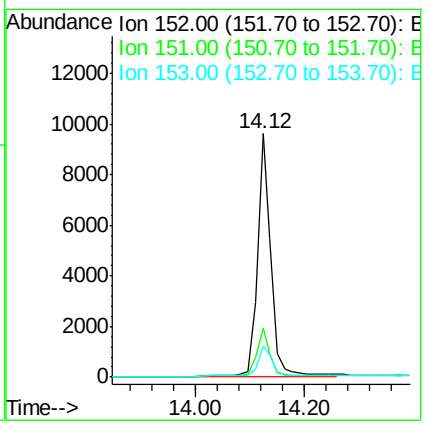
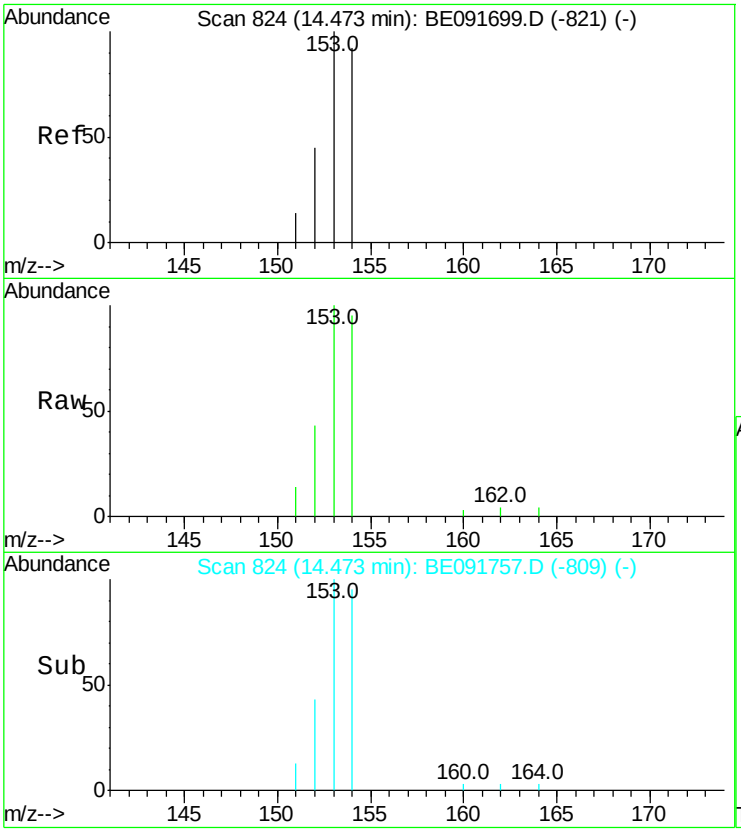


#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:152 Resp: 18051

Ion	Ratio	Lower	Upper
152	100		
151	23.1	3.9	5.9#
153	17.0	10.3	15.5#

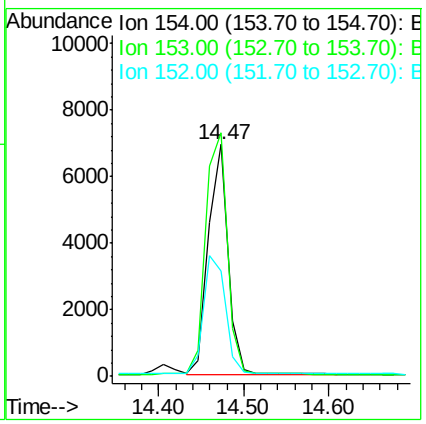




#17
Acenaphthene
Concen: 0.37 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:154 Resp: 11113

Ion	Ratio	Lower	Upper
154	100		
153	116.0	80.0	120.0
152	57.3	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
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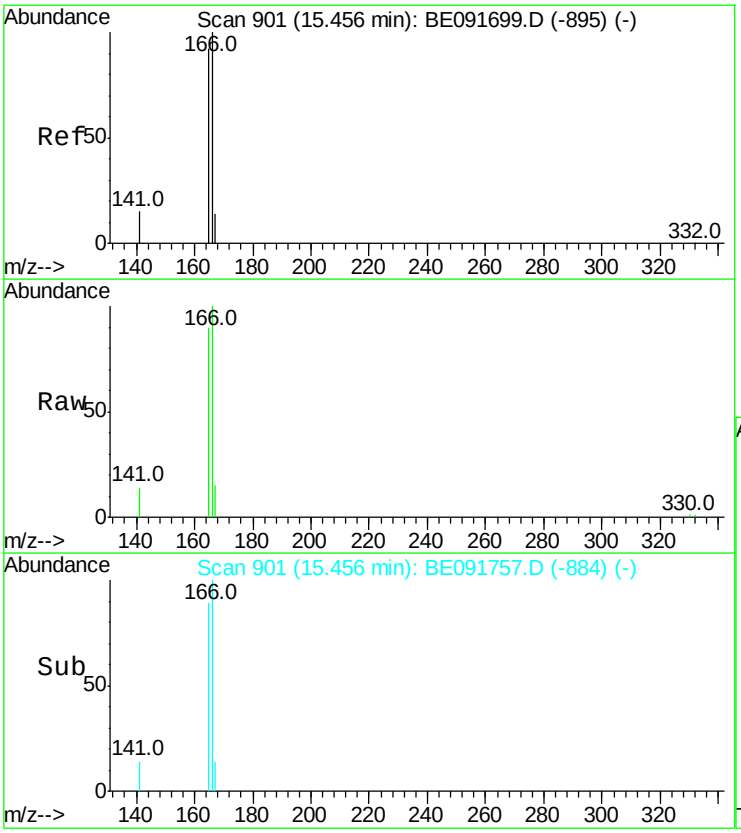
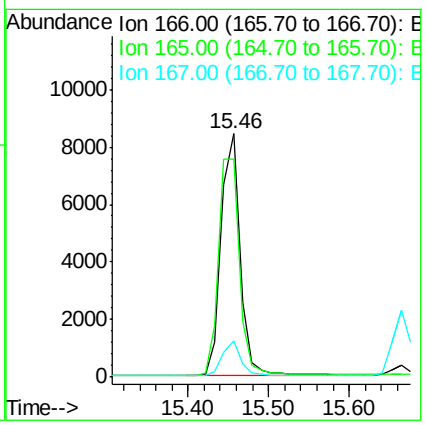
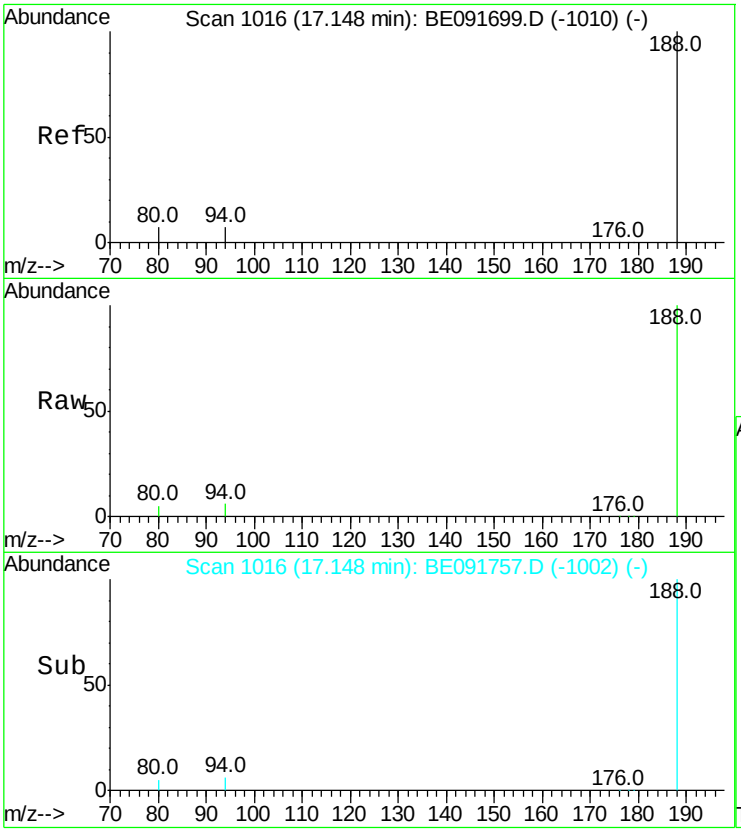


#18
Fluorene
Concen: 0.37 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:166 Resp: 13759

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.8	121.2
167	13.5	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:188 Resp: 294012

Ion	Ratio	Lower	Upper
188	100		
94	6.1	8.7	13.1#
80	5.4	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
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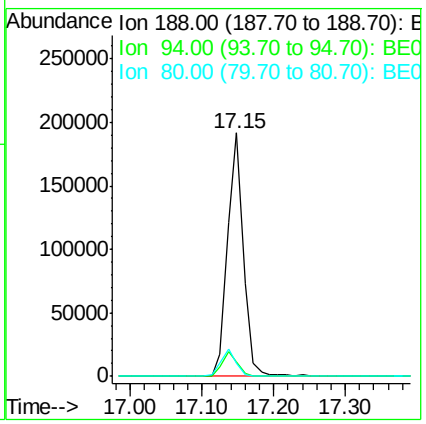
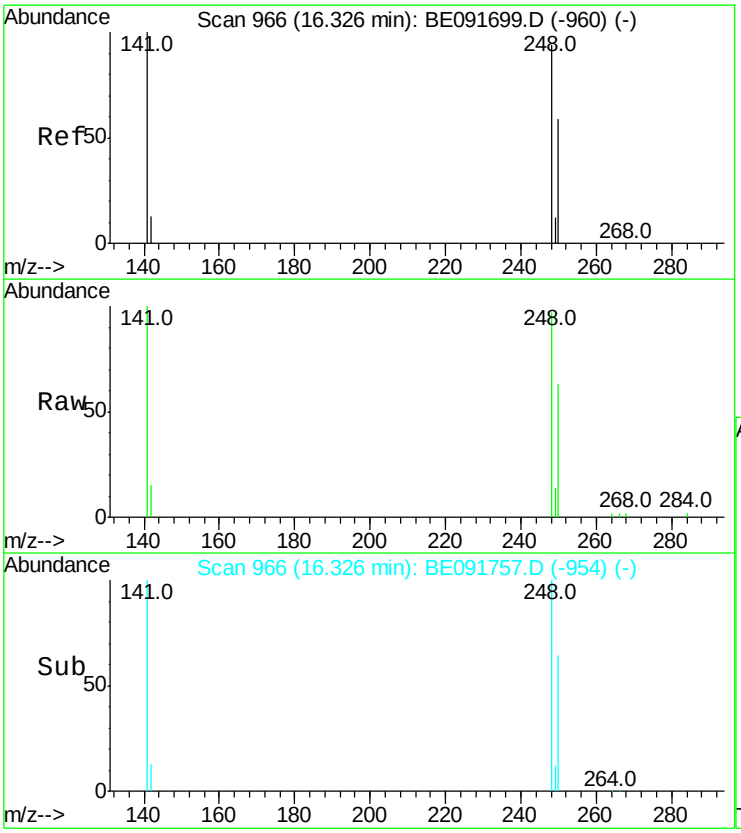
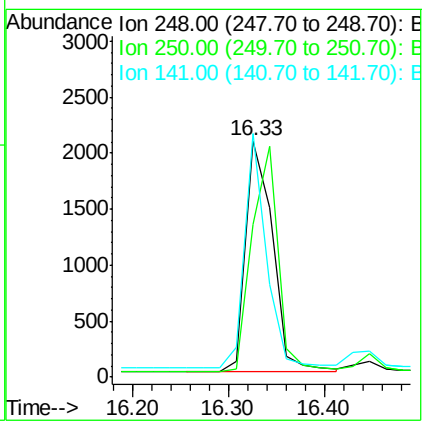


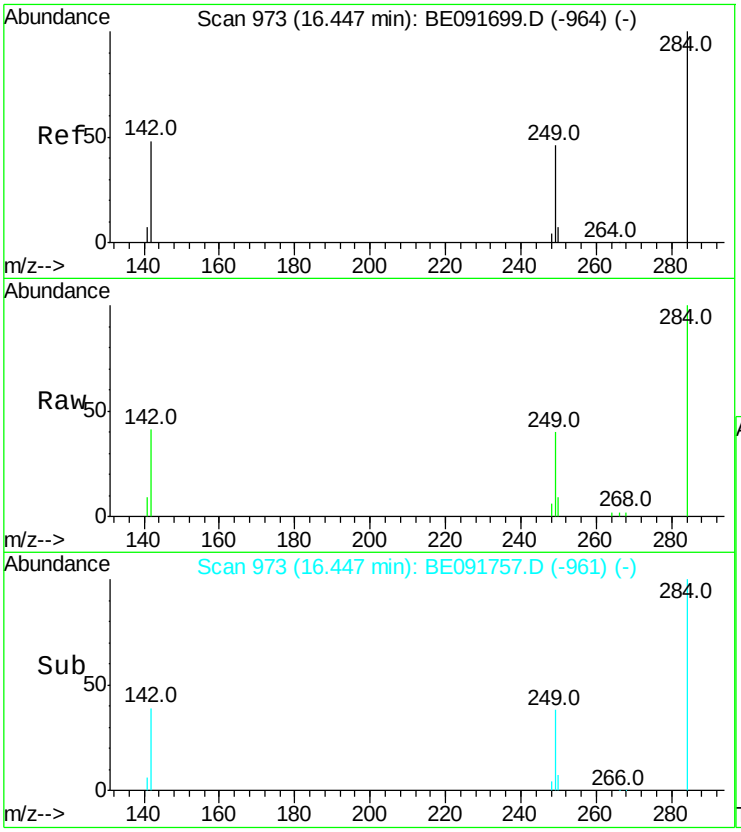


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:248 Resp: 4015

Ion	Ratio	Lower	Upper
248	100		
250	95.4	80.5	120.7
141	83.4	72.0	108.0

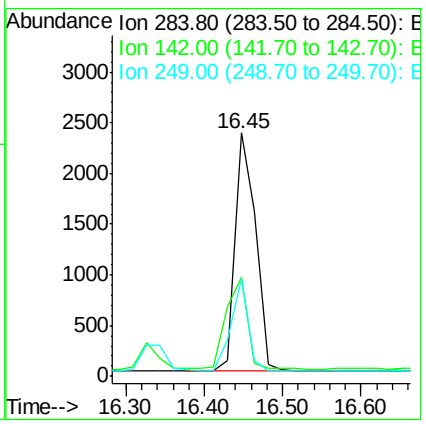




#21
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:284 Resp: 4305

Ion	Ratio	Lower	Upper
284	100		
142	39.2	32.2	48.2
249	31.8	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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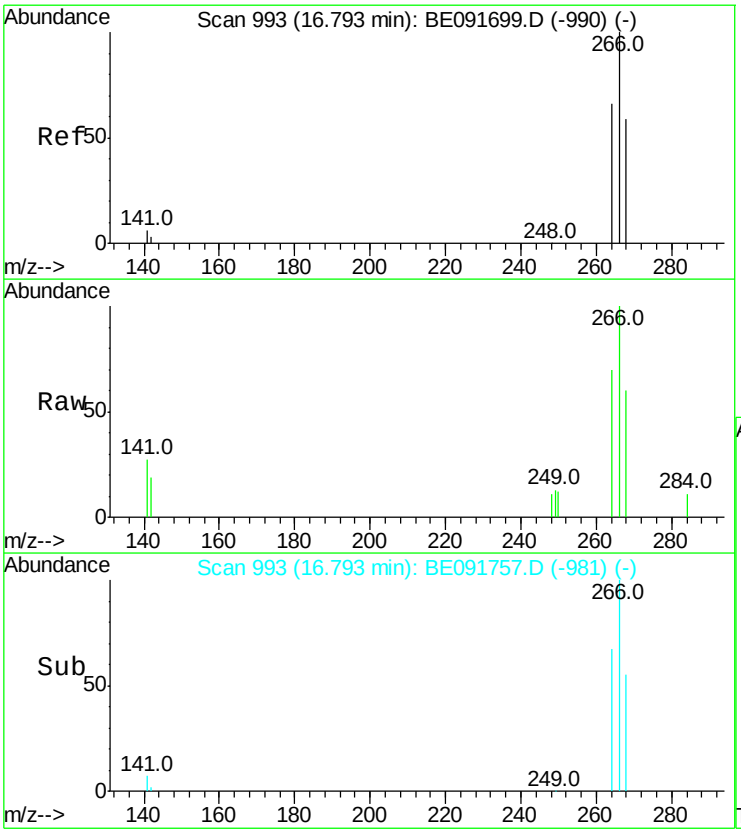
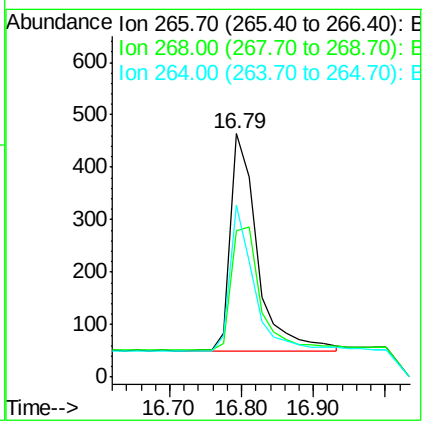
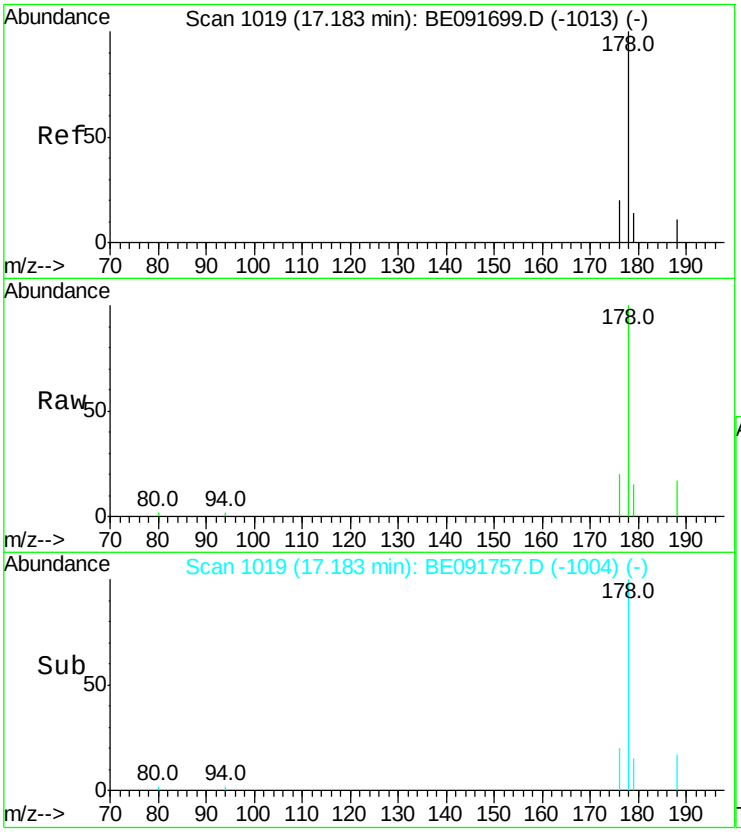


#22
Pentachlorophenol
Concen: 0.28 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:266 Resp: 1066

Ion	Ratio	Lower	Upper
266	100		
268	60.1	58.2	87.2
264	70.5	56.2	84.4

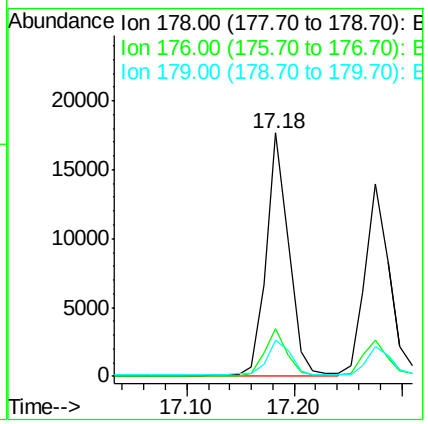




#23
Phenanthrene
Concen: 0.38 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:178 Resp: 25698

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	16.1	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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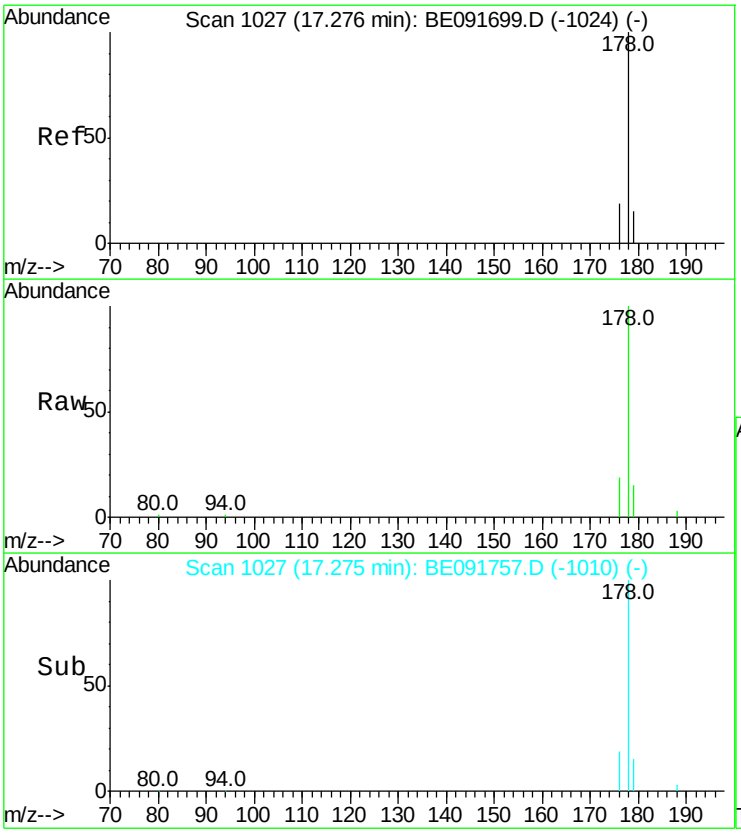
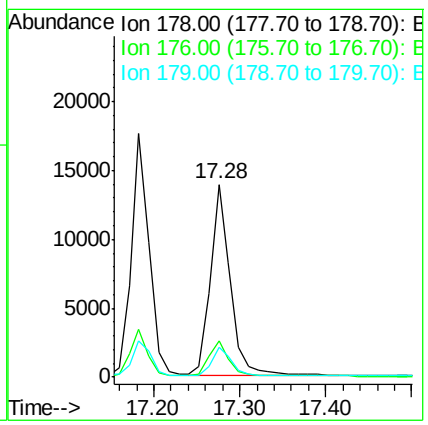
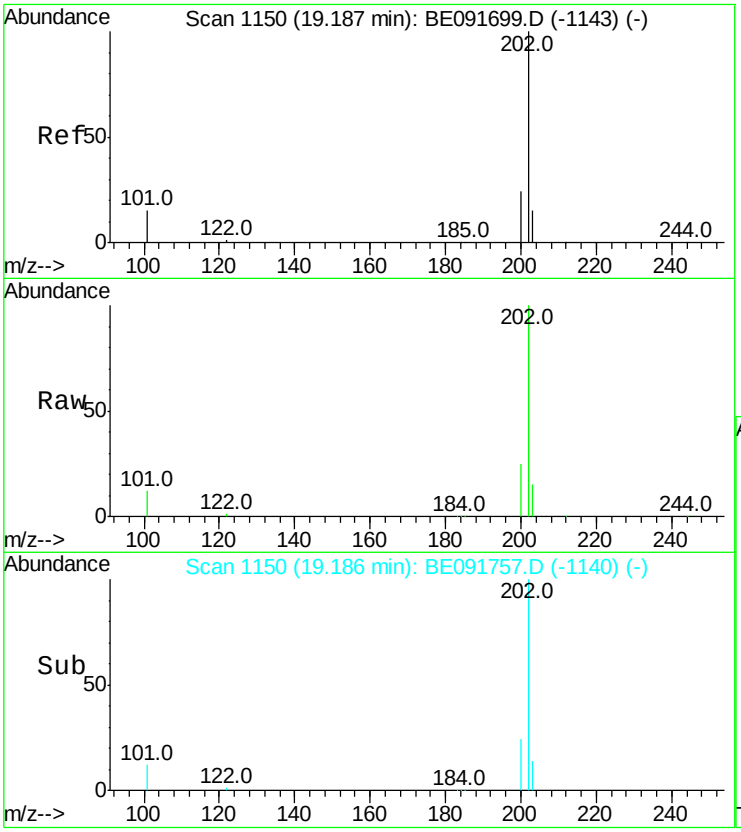


#24
Anthracene
Concen: 0.37 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:178 Resp: 22516

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.3	11.8	17.6





#25
Fluoranthene
Concen: 0.37 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:202 Resp: 25553

Ion	Ratio	Lower	Upper
202	100		
101	10.3	11.0	16.6#
203	17.2	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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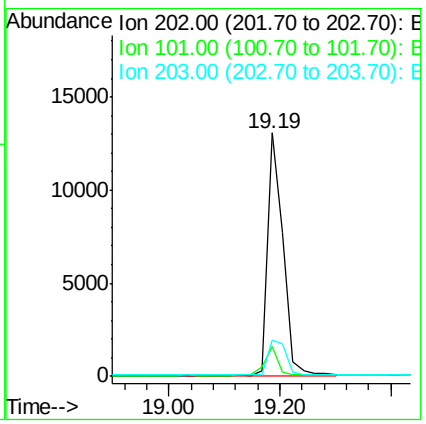
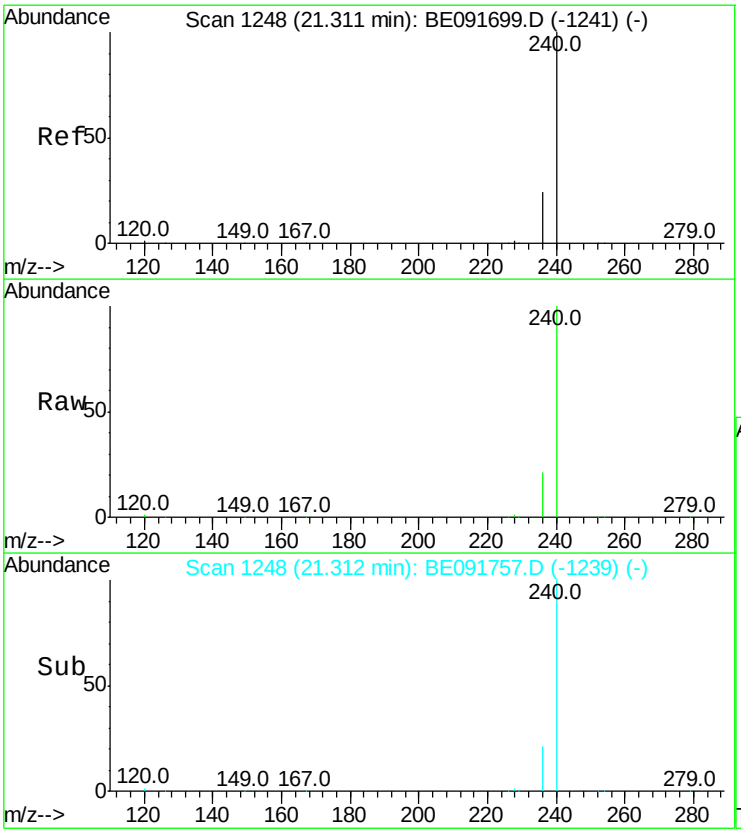
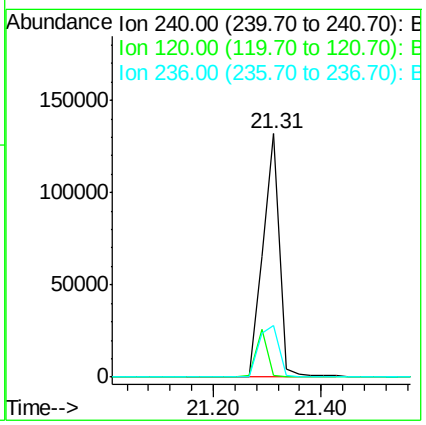


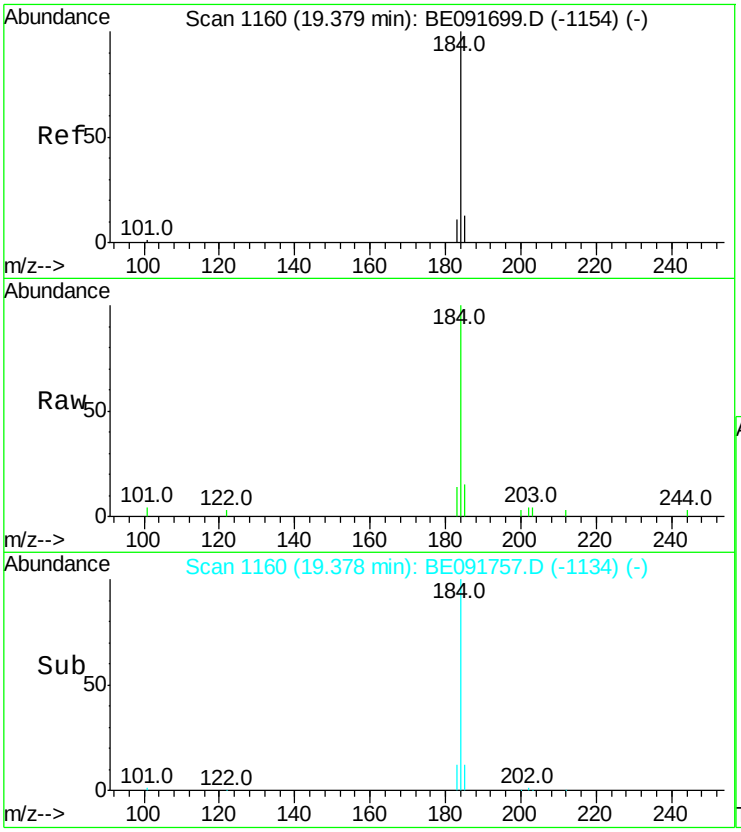


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:240 Resp: 284397

Ion	Ratio	Lower	Upper
240	100		
120	1.0	11.0	16.4#
236	21.3	21.7	32.5#





#27
Benzidine
Concen: 0.47 ng
RT: 19.38 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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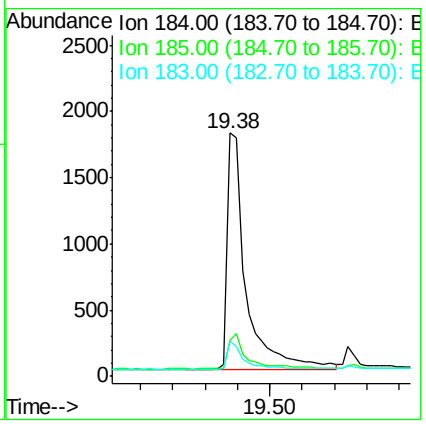
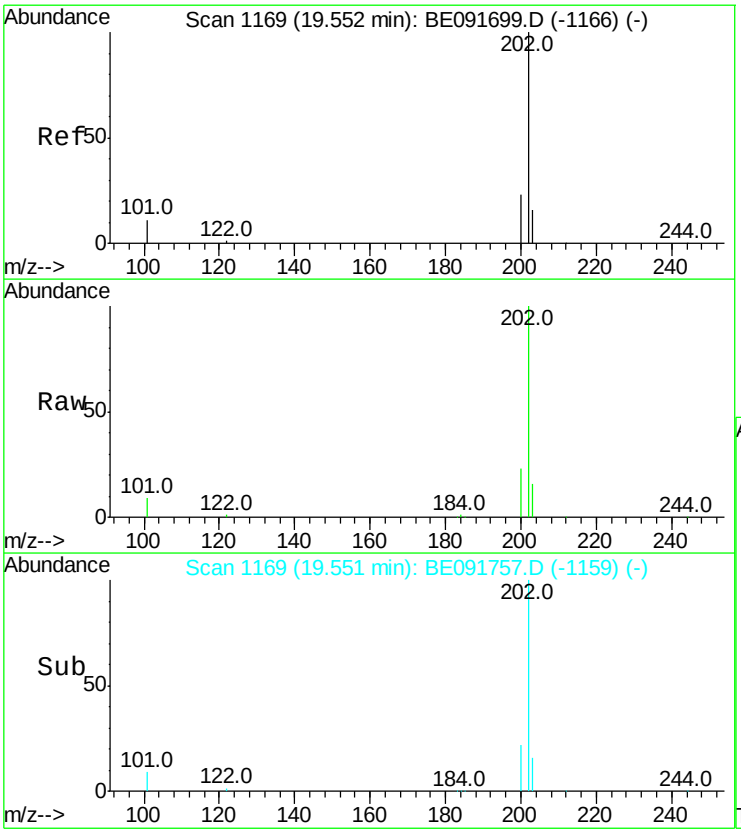
Tgt Ion:184 Resp: 7059

Ion	Ratio	Lower	Upper
184	100		
185	14.9	22.3	33.5#
183	14.3	16.4	24.6#

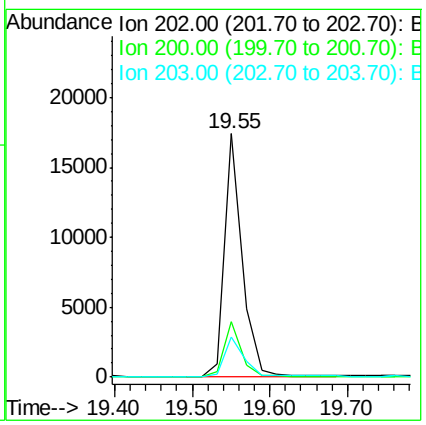


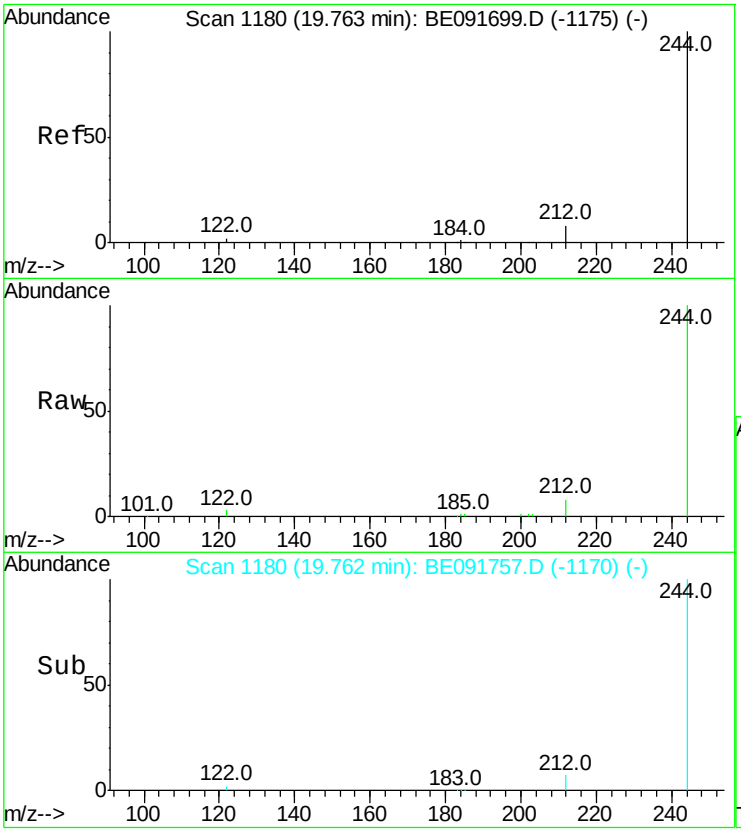


#28
Pyrene
Concen: 0.43 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:202 Resp: 27526

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.4	14.0	21.0





#29
Terphenyl-d14
Concen: 0.43 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:244 Resp: 19116

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.9	10.3
122	2.7	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
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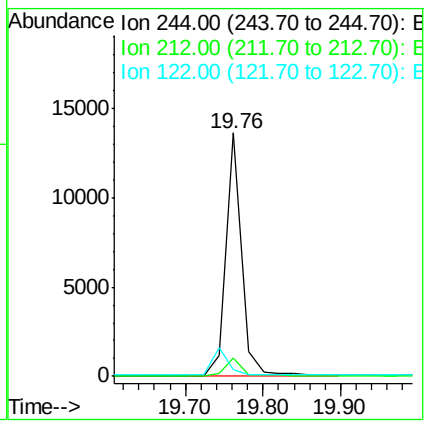
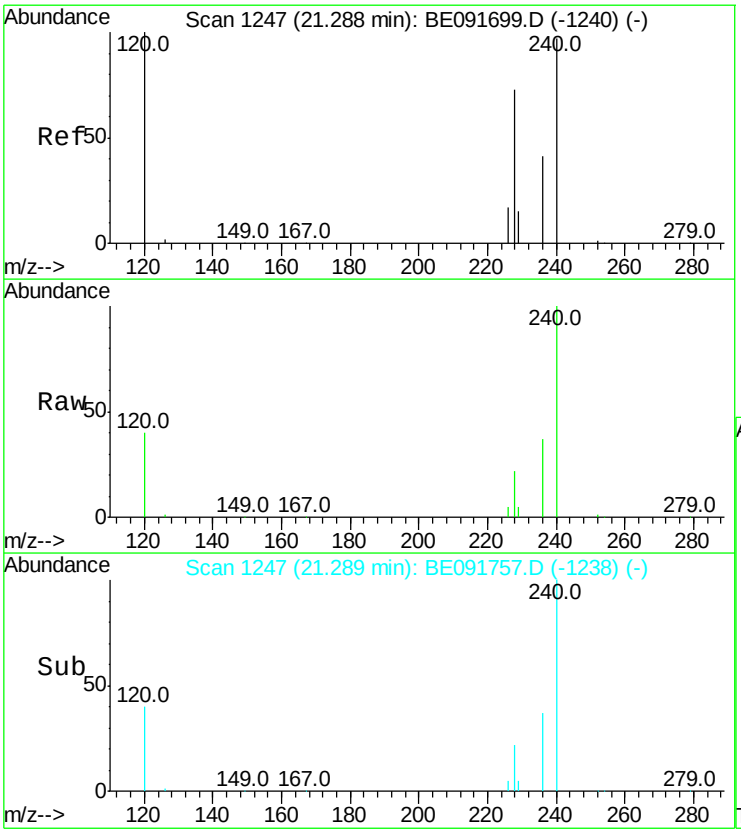
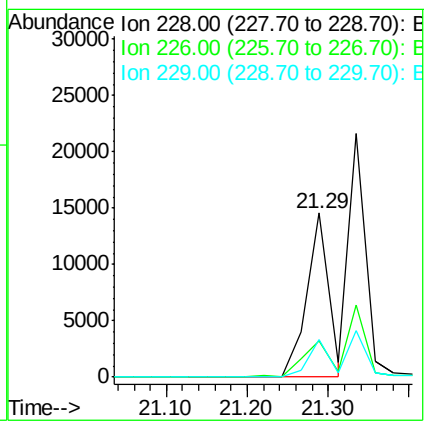


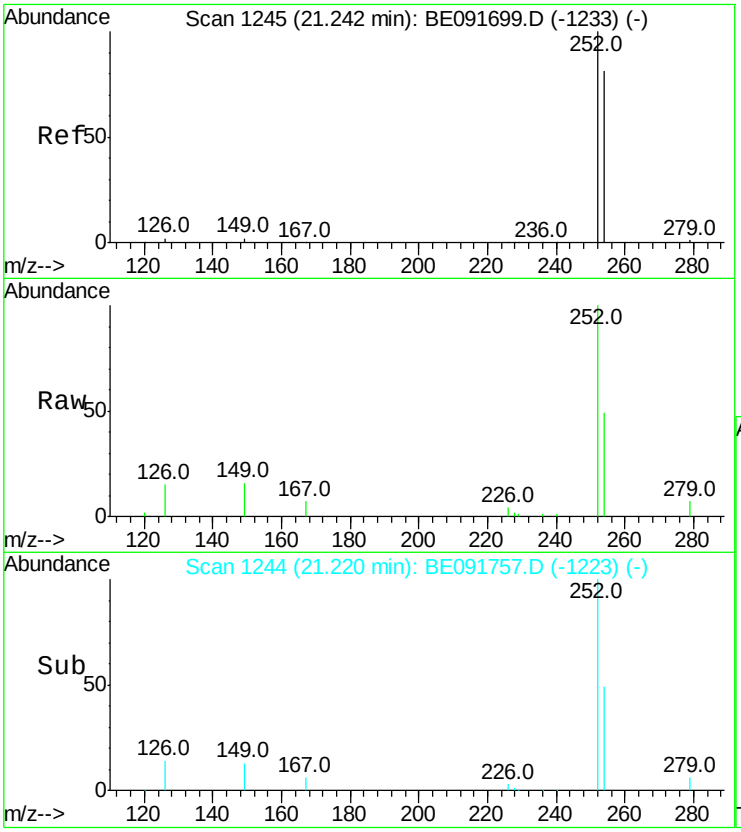


#30
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:228 Resp: 27348

Ion	Ratio	Lower	Upper
228	100		
226	22.0	21.0	31.4
229	22.8	15.7	23.5

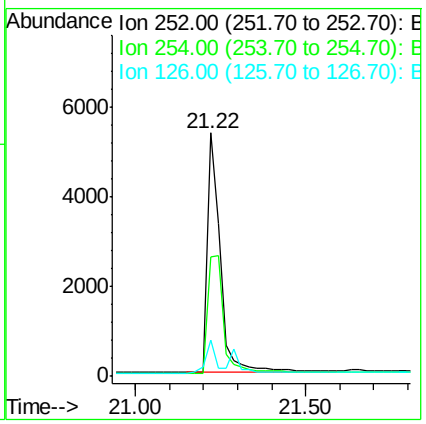




#31
3,3'-Dichlorobenzidine
Concen: 0.41 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:252 Resp: 14473

Ion	Ratio	Lower	Upper
252	100		
254	49.0	51.1	76.7#
126	14.9	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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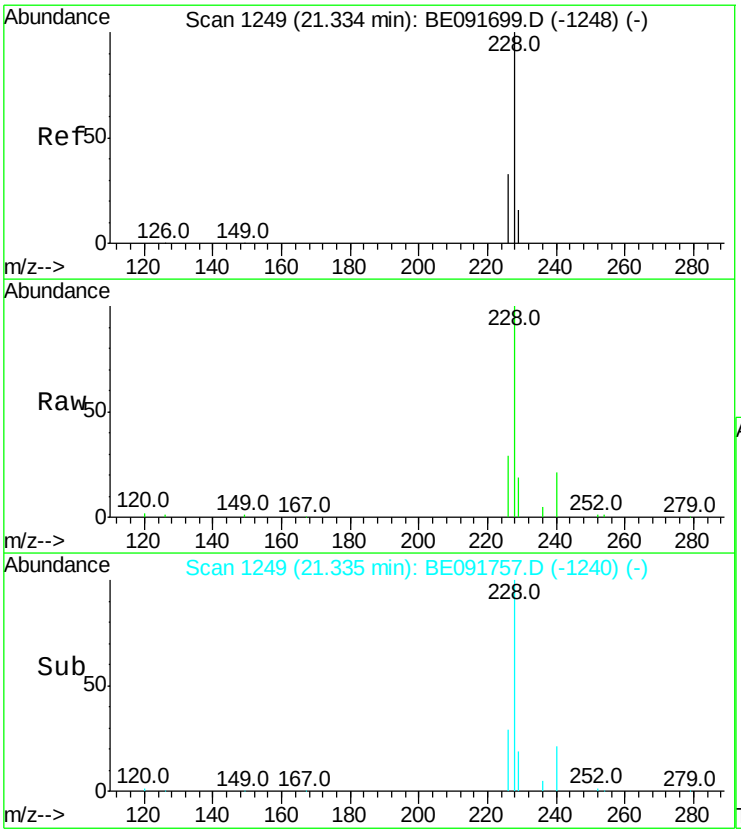
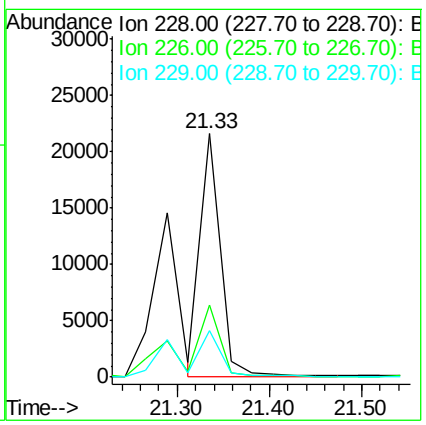
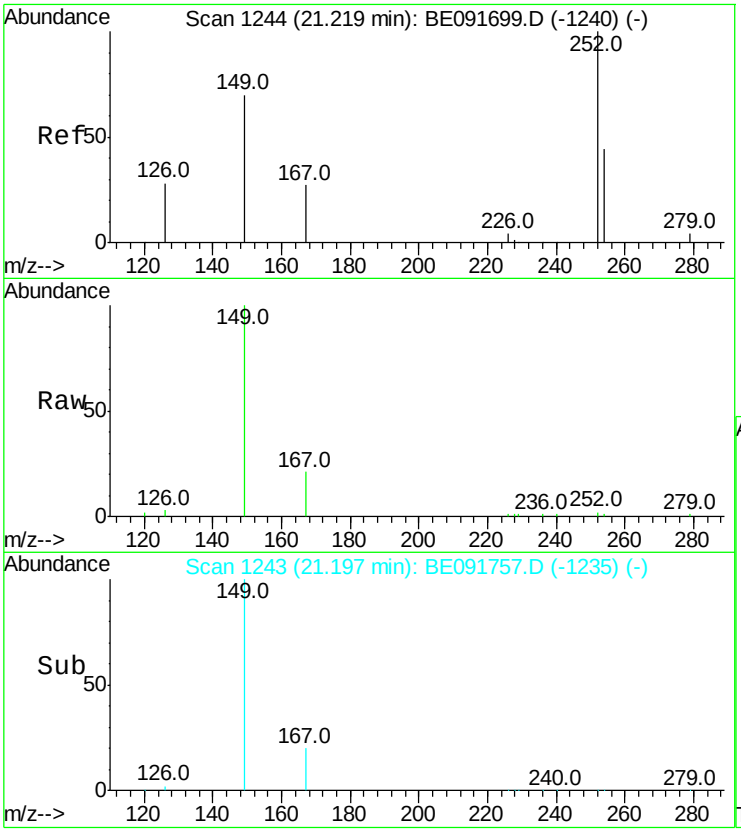


#32
Chrysene
Concen: 0.45 ng m
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:228 Resp: 32721

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	19.3	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.48 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:149 Resp: 10163

Ion	Ratio	Lower	Upper
149	100		
167	22.6	19.5	29.3
279	0.0	10.0	15.0#

Instrument :
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ClientSampleId :
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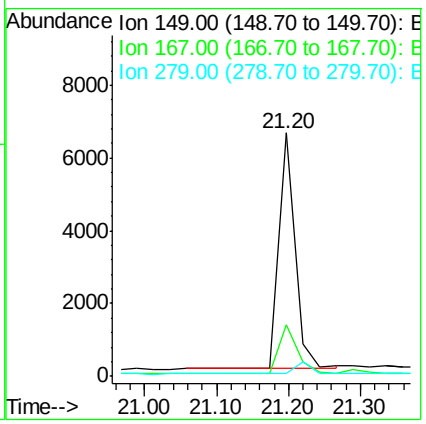
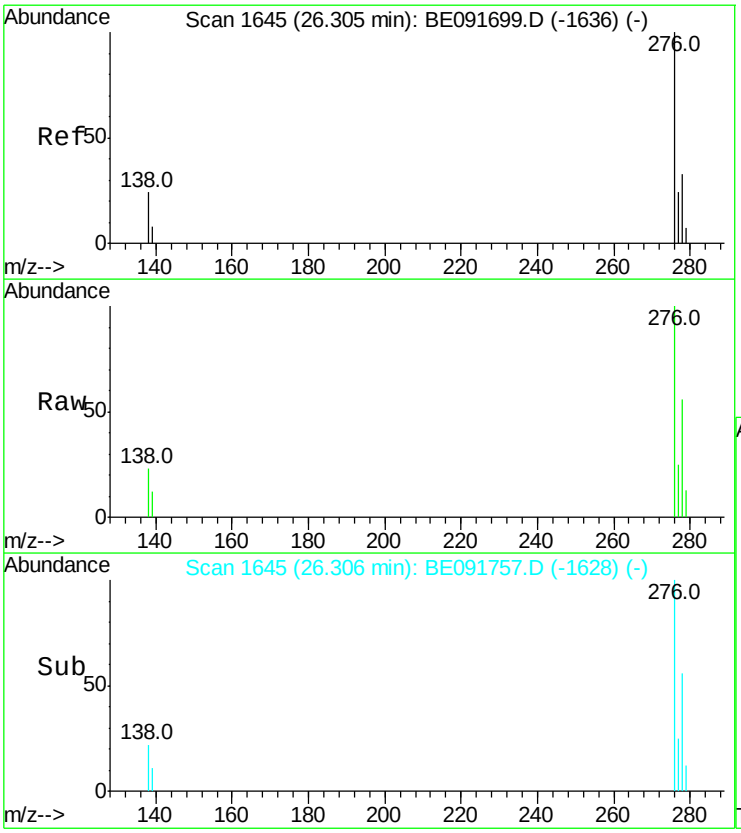
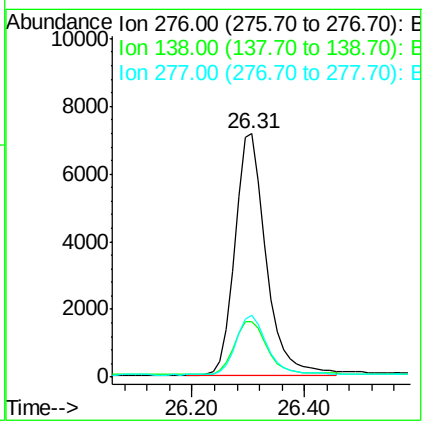


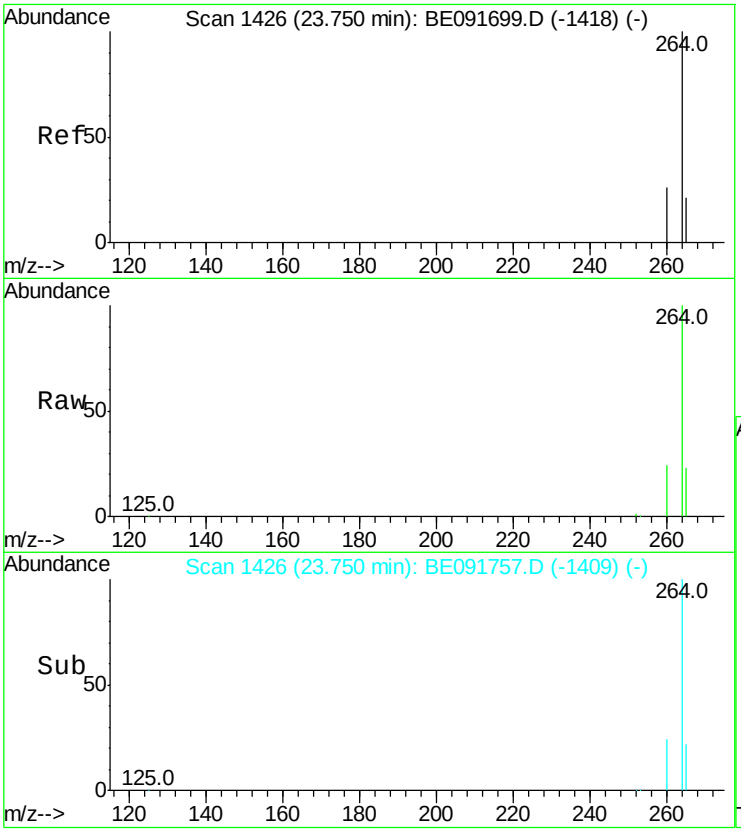


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.43 ng
RT: 26.31 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:276 Resp: 27840

Ion	Ratio	Lower	Upper
276	100		
138	23.7	23.4	35.2
277	24.9	19.8	29.8

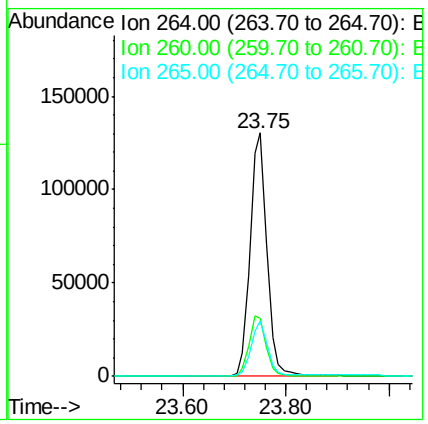




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:264 Resp: 296536

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.0	30.0
265	22.7	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
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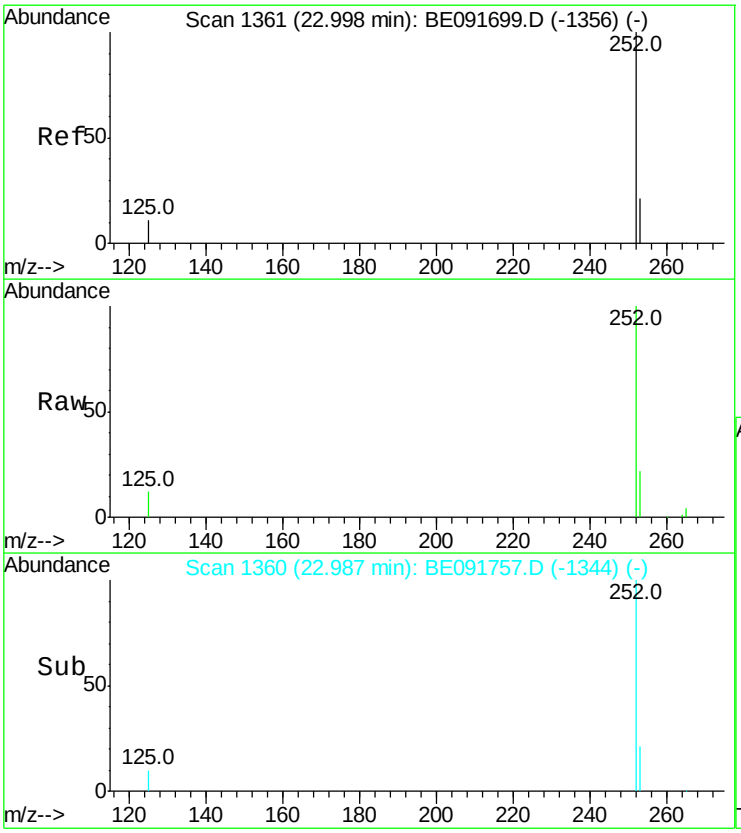
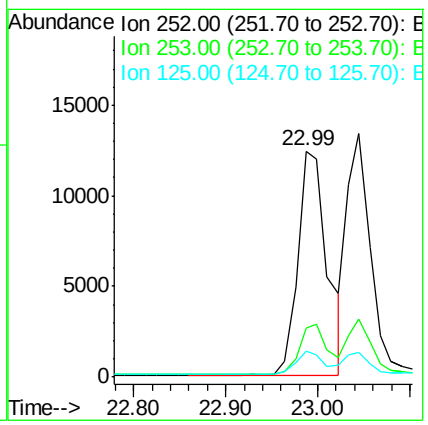
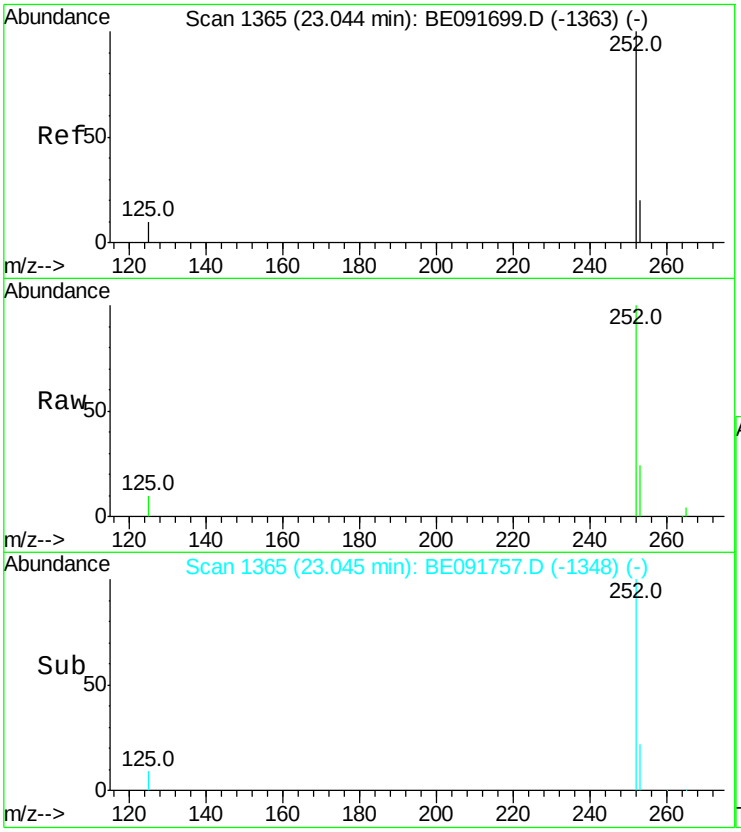


#36
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:252 Resp: 27553

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	11.6	10.2	15.2

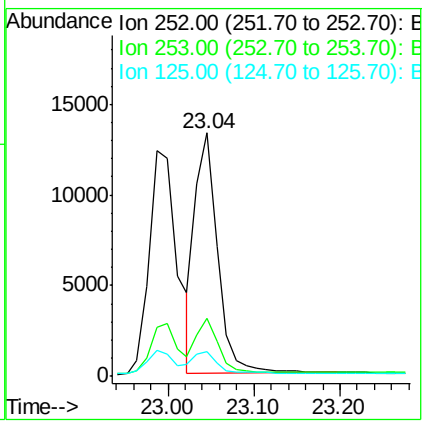




#37
Benzo(k)fluoranthene
Concen: 0.34 ng
RT: 23.04 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

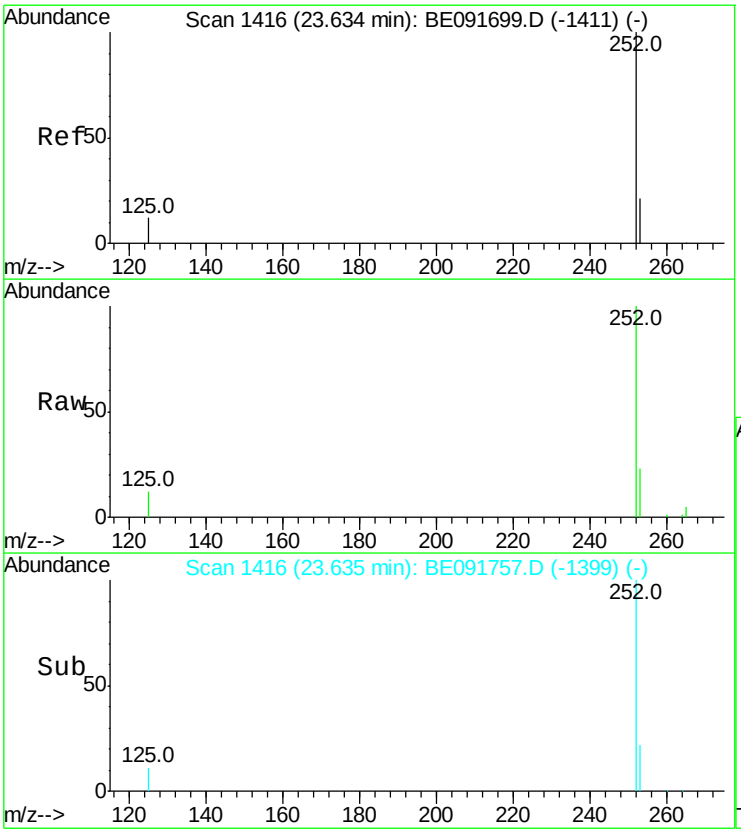
Tgt Ion:252 Resp: 24103

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	10.0	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

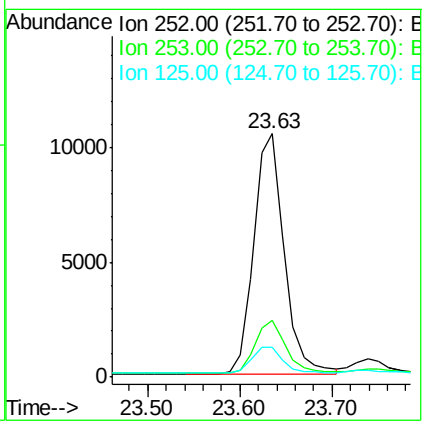
Manual Integrations APPROVED
umangi
5/10/2016 7:01:52 PM

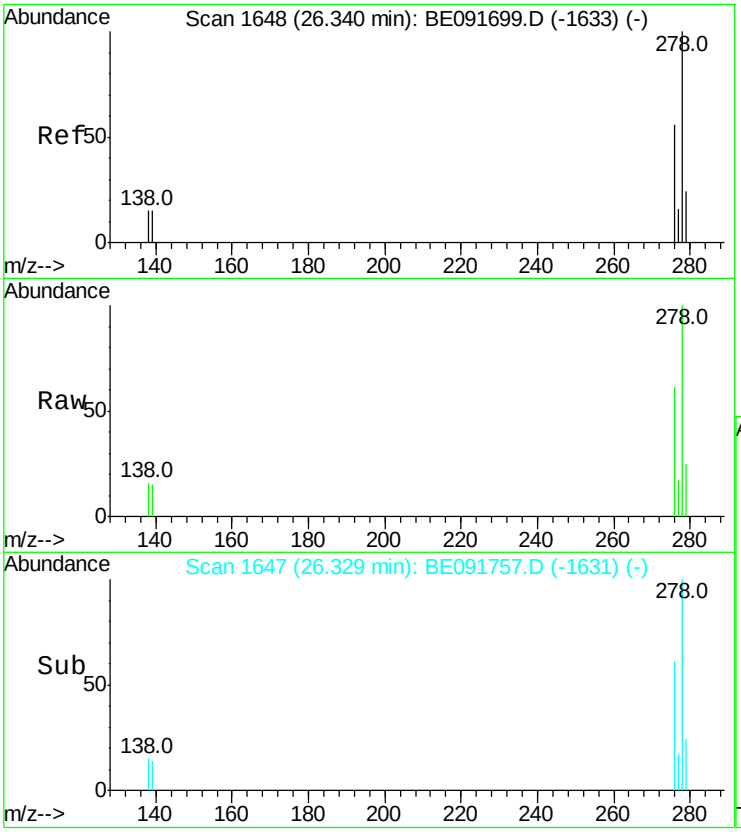


#38
Benzo(a)pyrene
Concen: 0.37 ng
RT: 23.63 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:252 Resp: 24051

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.1	11.0	16.4





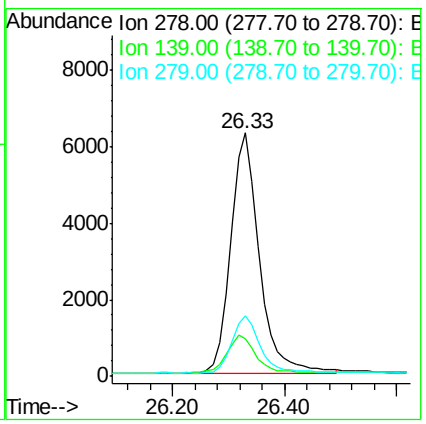
#39
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

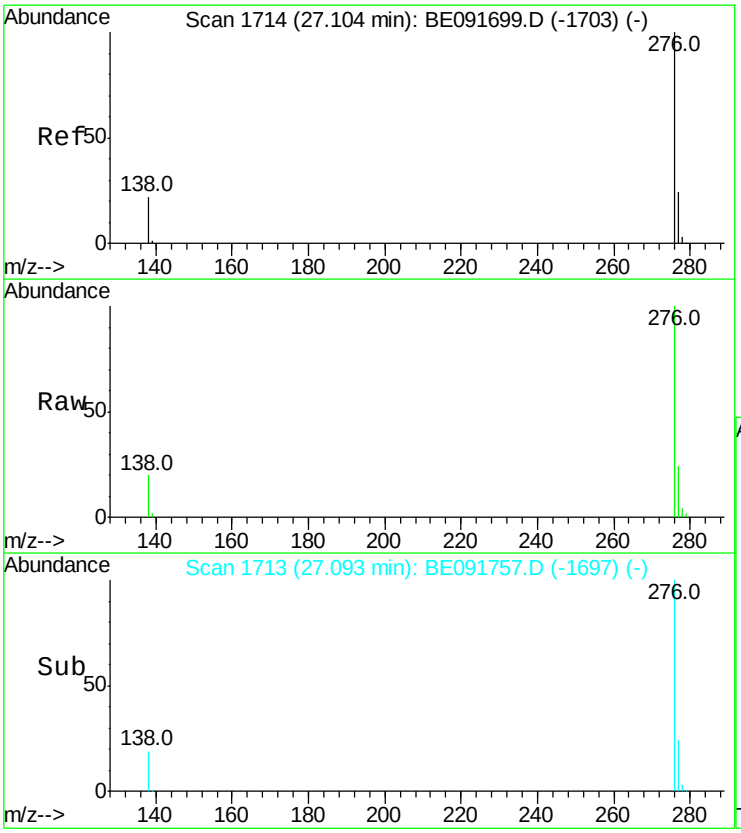
Tgt Ion:278 Resp: 22720

Ion	Ratio	Lower	Upper
278	100		
139	15.5	16.0	24.0#
279	24.8	19.4	29.2

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
umangi
5/10/2016 7:01:52 PM





#40
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.09 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BE091757.D
Acq: 9 May 2016 14:35

Tgt Ion:276 Resp: 23985

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	20.2	20.4	30.6#