Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050316\
Data File : BE091750.D
Acq On : 3 May 2016 19:18
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 04 01:40:36 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	55769	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	267855	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	155316	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	368477	5.00	ng		0.00
26) Chrysene-d12	21.31	240	383883	5.00	ng		0.00
35) Perylene-d12	23.75	264	376167	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	5281	0.39	ng		0.00
5) Phenol-d6	6.95	99	7291	0.40	ng		0.00
8) Nitrobenzene-d5	8.95	82	6780	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	1854	0.48	ng		0.00
15) 2-Fluorobiphenyl	13.04	172	17533	0.40	ng		0.00
29) Terphenyl-d14	19.76	244	28703	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	2551	0.30	ng		97
3) n-Nitrosodimethylamine	3.65	42	3421	0.34	ng		99
6) bis(2-Chloroethyl)ether	7.21	93	6310	0.39	ng	#	78
9) Nitrobenzene	8.99	77	6824	0.38	ng		96
10) Naphthalene	10.61	128	22426	0.41	ng		98
11) Hexachlorobutadiene	10.90	225	3484m	0.44	ng		
12) 2-Methylnaphthalene	12.23	142	14048	0.40	ng		94
16) Acenaphthylene	14.12	152	25532	0.43	ng	#	80
17) Acenaphthene	14.47	154	15378	0.40	ng		88
18) Fluorene	15.46	166	19436	0.40	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	5643	0.43	ng		93
21) Hexachlorobenzene	16.45	284	5702m	0.43	ng		
22) Pentachlorophenol	16.79	266	2478	0.44	ng		89
23) Phenanthrene	17.18	178	34423	0.41	ng		99
24) Anthracene	17.27	178	32943	0.44	ng		99
25) Fluoranthene	19.19	202	40448	0.46	ng	#	97
27) Benzidine	19.38	184	15942	0.67	ng	#	80
28) Pyrene	19.55	202	43917	0.51	ng		99
30) Benzo(a)anthracene	21.29	228	40727	0.43	ng	#	93
31) 3,3'-Dichlorobenzidine	21.22	252	26734	0.56	ng		86
32) Chrysene	21.33	228	45060m	0.46	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	27812	0.98	ng	#	85
34) Indeno(1,2,3-cd)pyrene	26.31	276	41199	0.47	ng		97
36) Benzo(b)fluoranthene	23.00	252	39920	0.45	ng		93
37) Benzo(k)fluoranthene	23.04	252	35636	0.40	ng		96
38) Benzo(a)pyrene	23.63	252	36184	0.44	ng	#	91
39) Dibenzo(a,h)anthracene	26.33	278	33536	0.43	ng		96
40) Benzo(g,h,i)perylene	27.09	276	34462	0.43	ng		94

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

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Data Path : Z:\HPCHEM1\BNA E\DATA\BE050316\
Data File : BE091750.D
Acq On : 3 May 2016 19:18
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 01:40:36 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

Manual Integrations APPROVED
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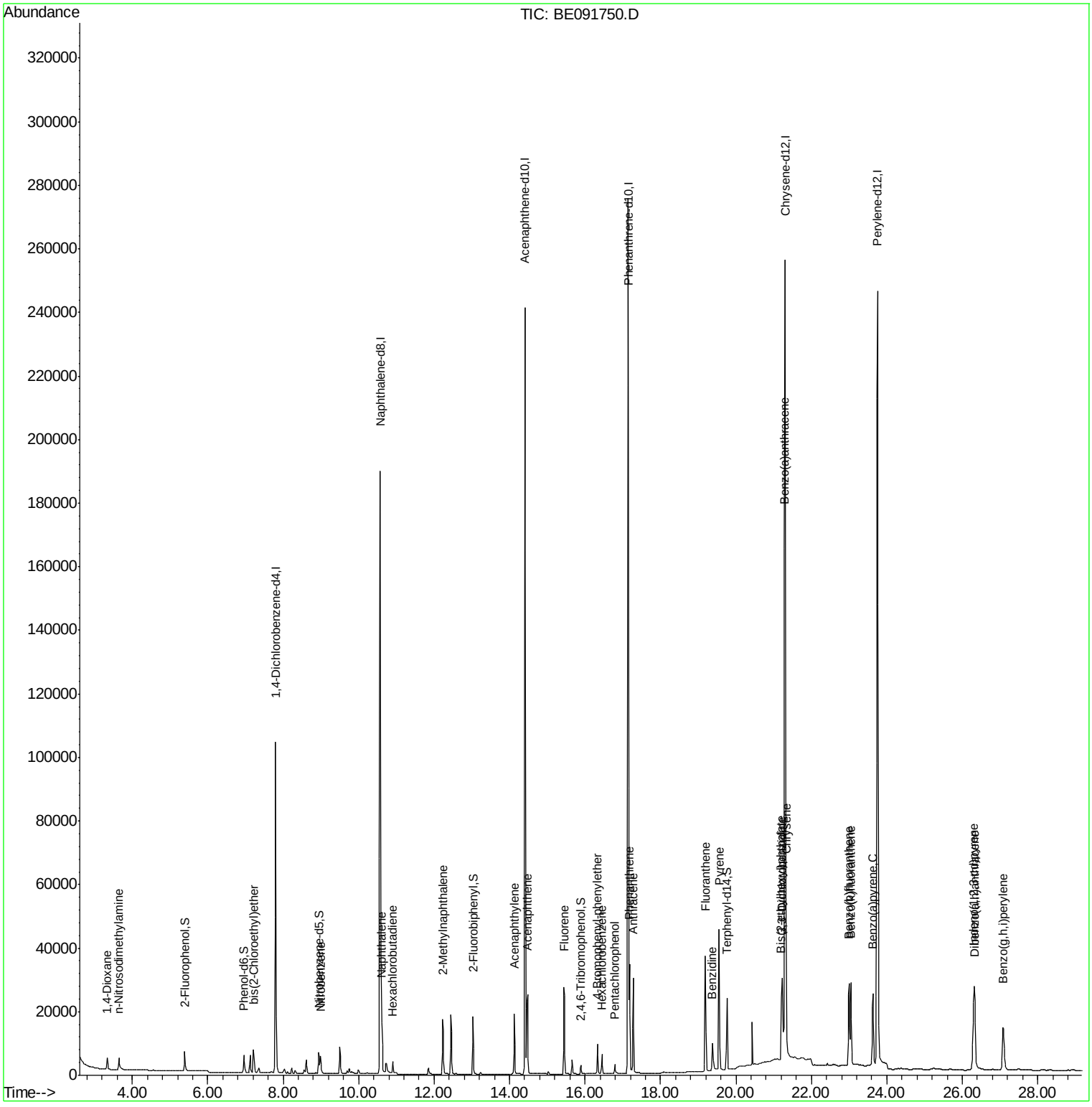
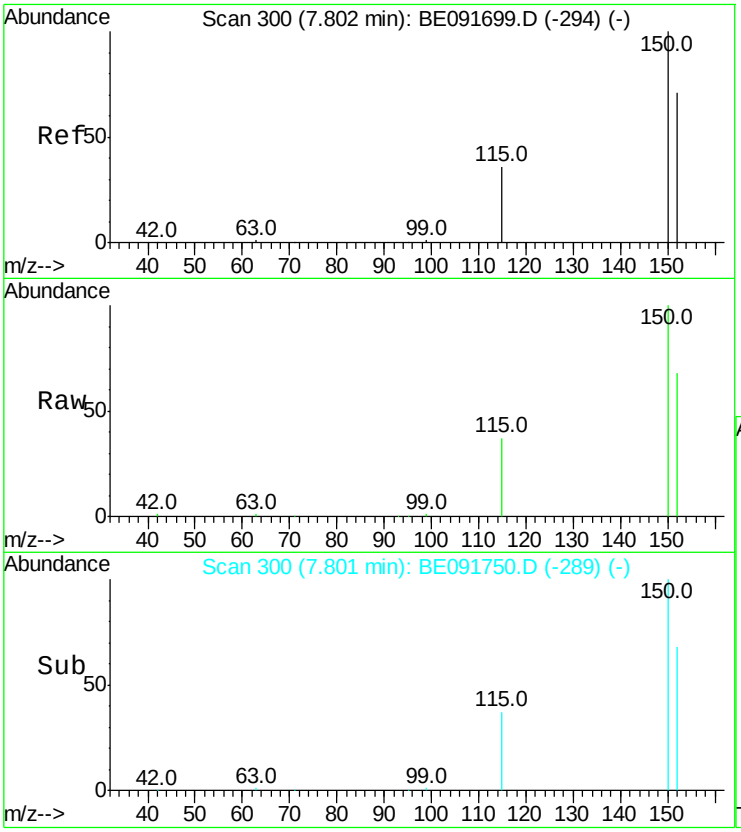
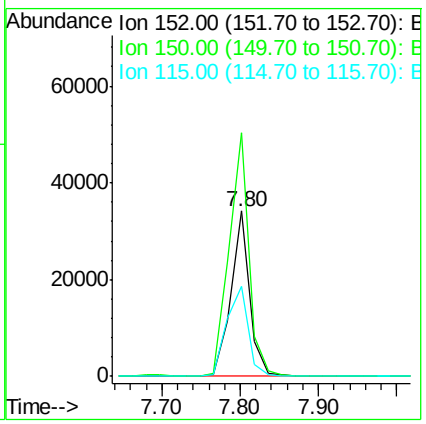




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:152 Resp: 55769

Ion	Ratio	Lower	Upper
152	100		
150	147.1	122.6	183.8
115	54.5	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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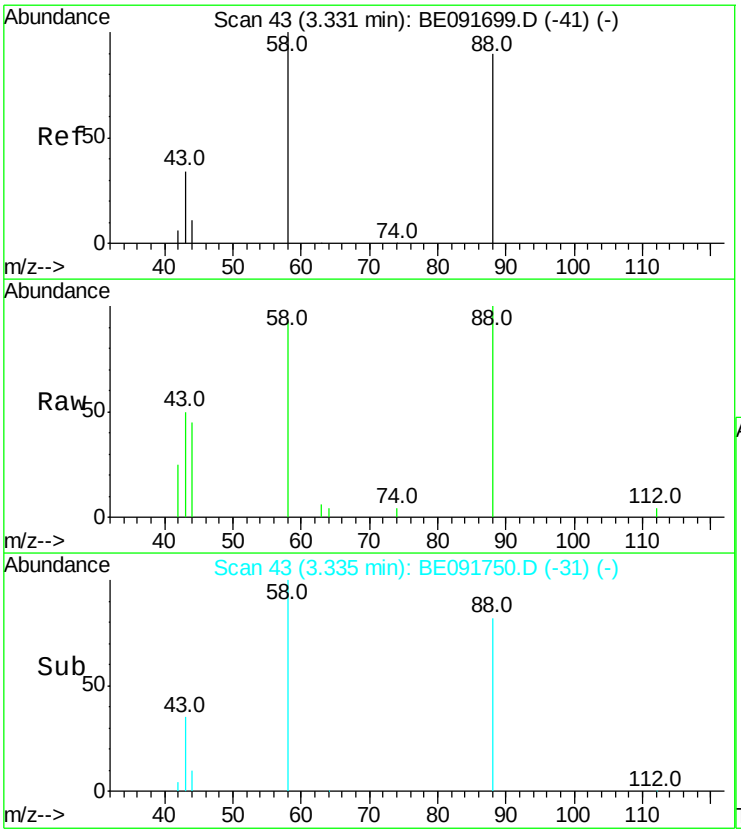
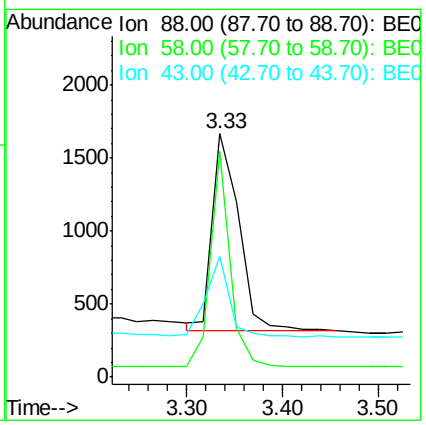
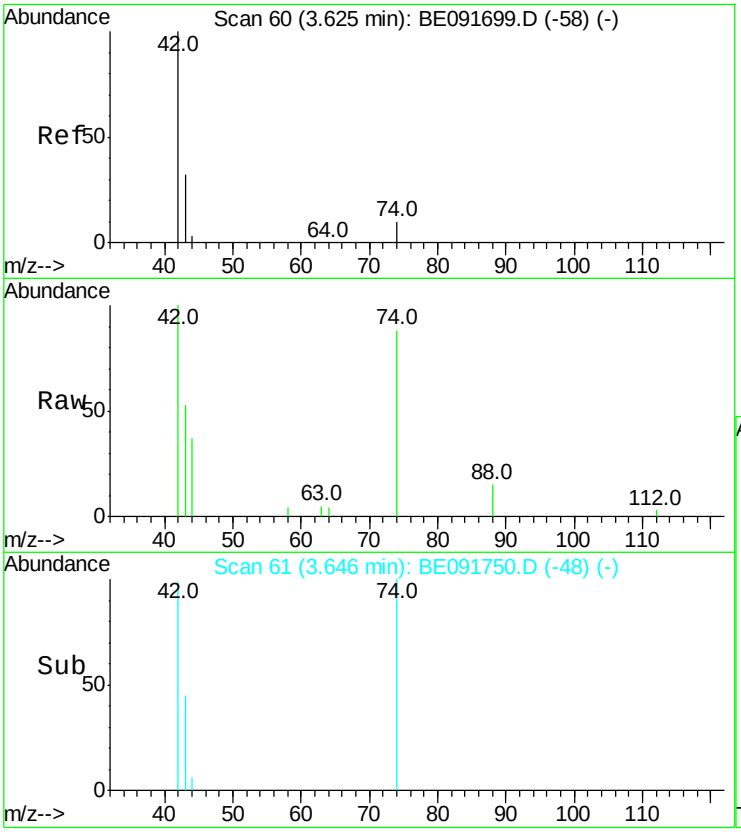


#2
1,4-Dioxane
Concen: 0.30 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion: 88 Resp: 2551

Ion	Ratio	Lower	Upper
88	100		
58	82.0	65.8	98.6
43	37.2	25.3	37.9

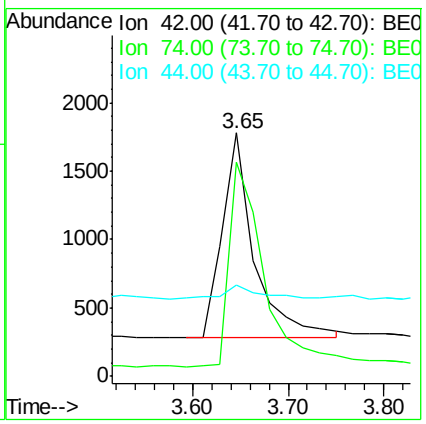




#3
n-Nitrosodimethylamine
Concen: 0.34 ng
RT: 3.65 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion: 42 Resp: 3421

Ion	Ratio	Lower	Upper
42	100		
74	108.7	87.9	131.9
44	9.1	6.6	9.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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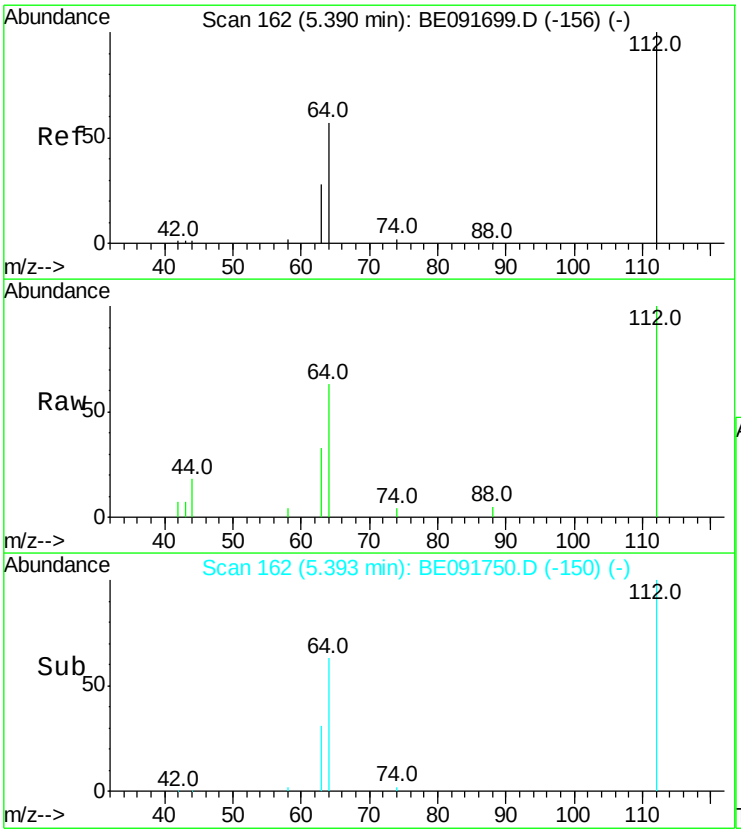
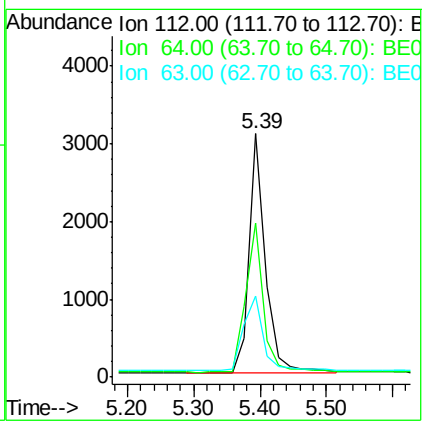
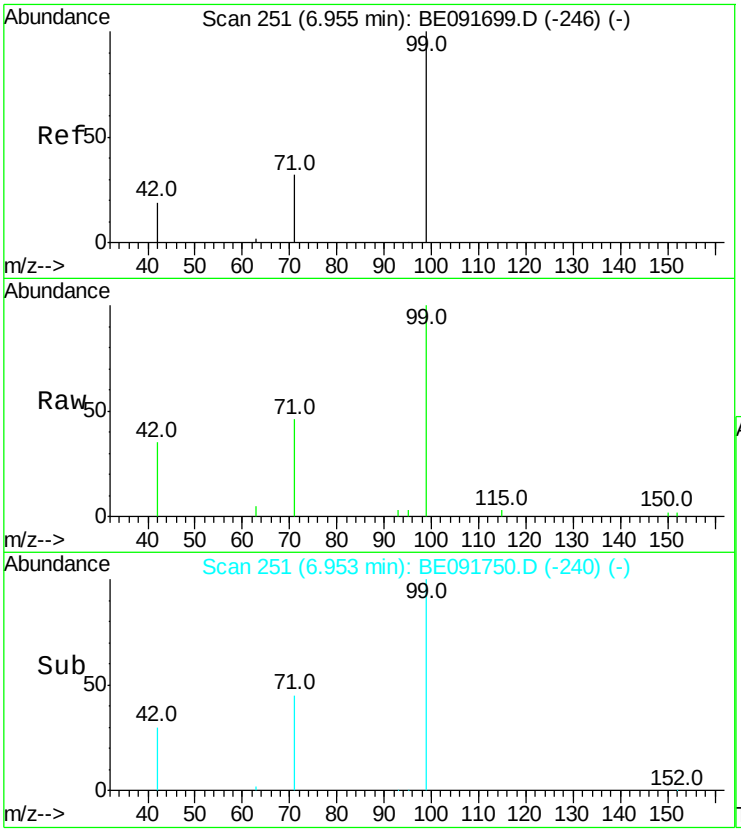


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:112 Resp: 5281

Ion	Ratio	Lower	Upper
112	100		
64	67.7	30.9	46.3#
63	37.2	16.7	25.1#

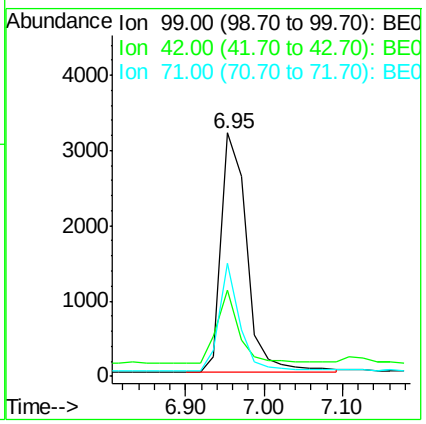




#5
Phenol-d6
Concen: 0.40 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion: 99 Resp: 7291

Ion	Ratio	Lower	Upper
99	100		
42	26.0	16.2	24.2#
71	36.3	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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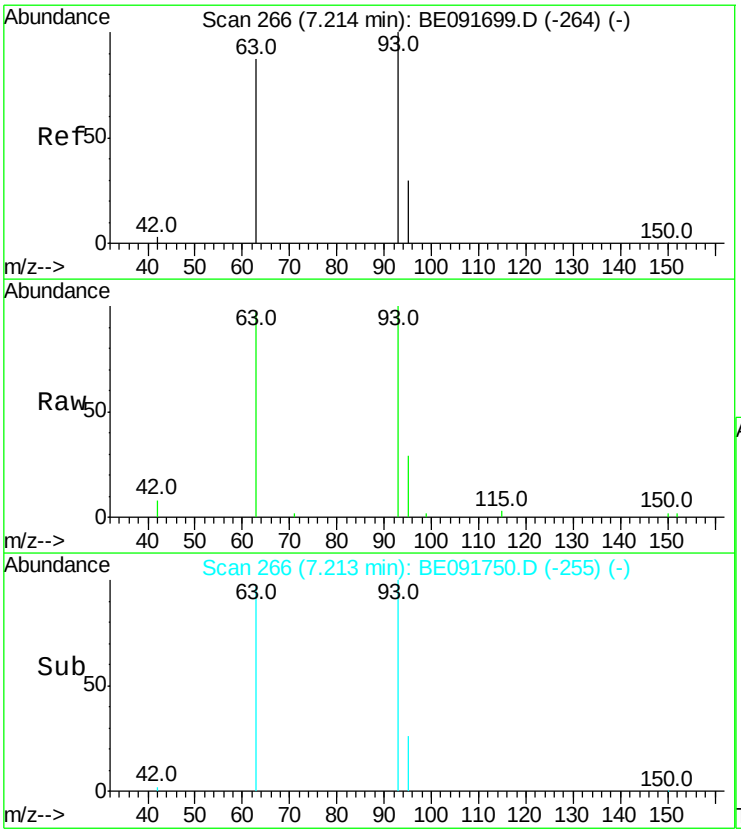
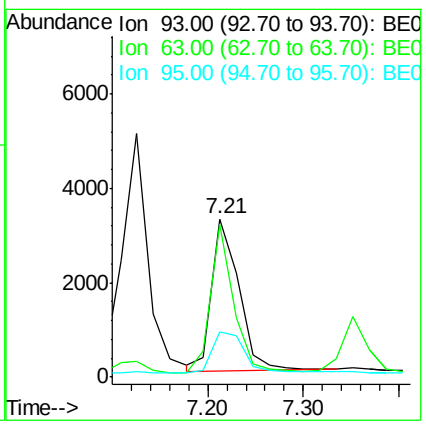
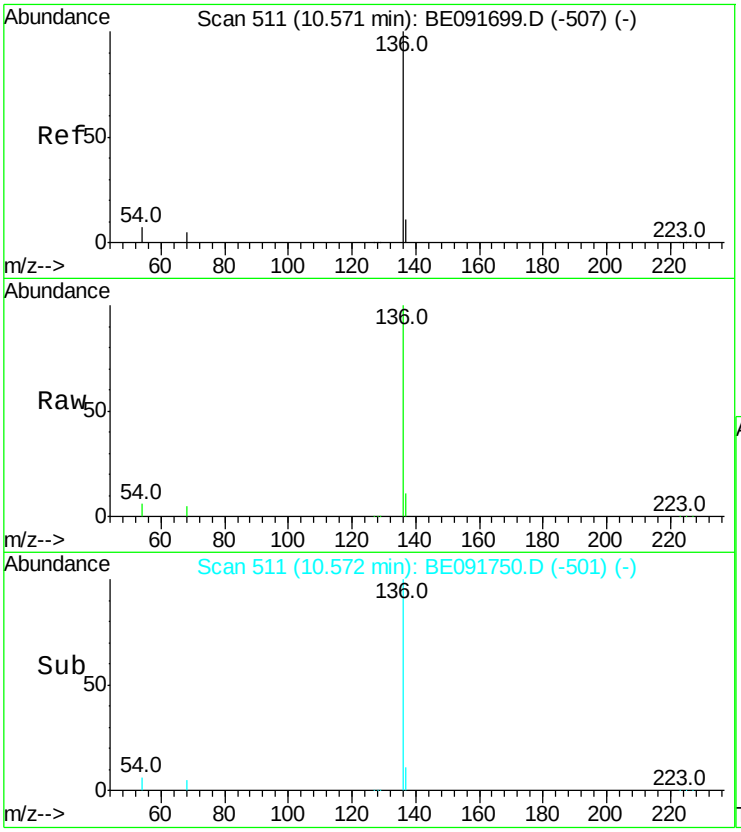


#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion: 93 Resp: 6310

Ion	Ratio	Lower	Upper
93	100		
63	84.4	49.5	74.3#
95	30.8	22.2	33.4

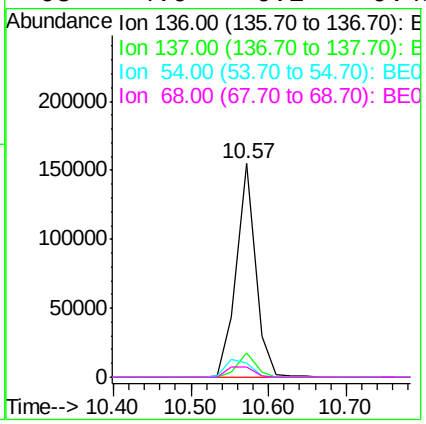




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:136 Resp: 267855

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.4	8.2	12.4#
68	4.9	6.2	9.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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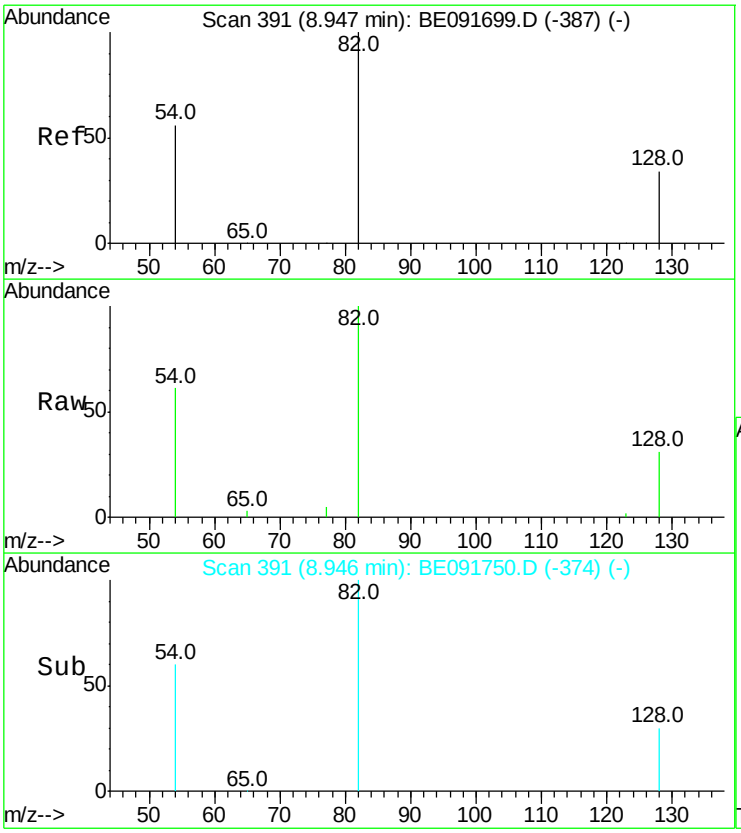
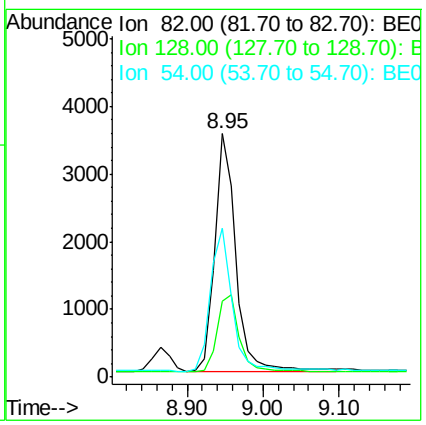
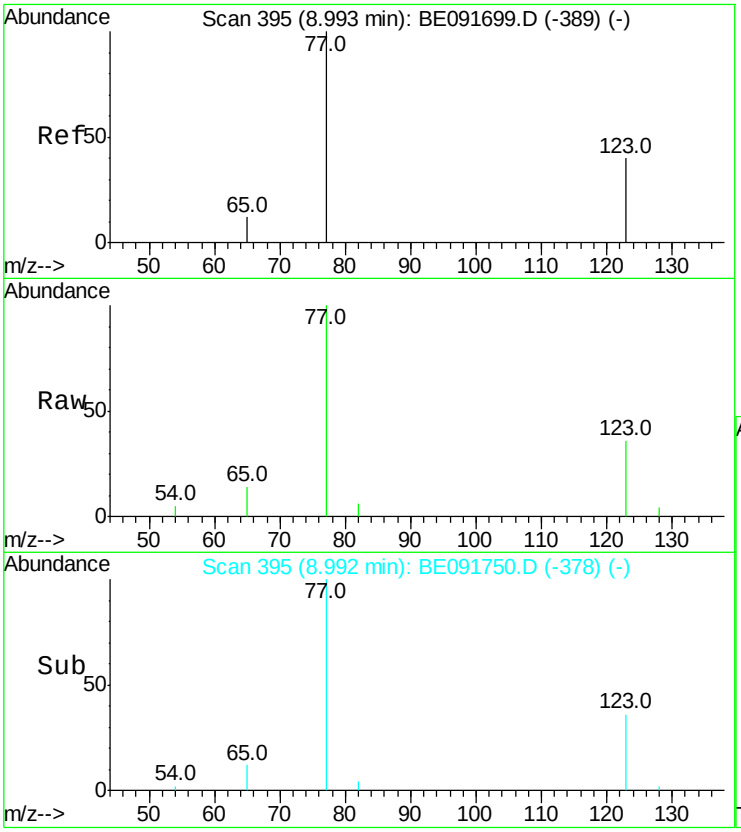


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion: 82 Resp: 6780

Ion	Ratio	Lower	Upper
82	100		
128	31.1	25.4	38.0
54	60.9	48.4	72.6

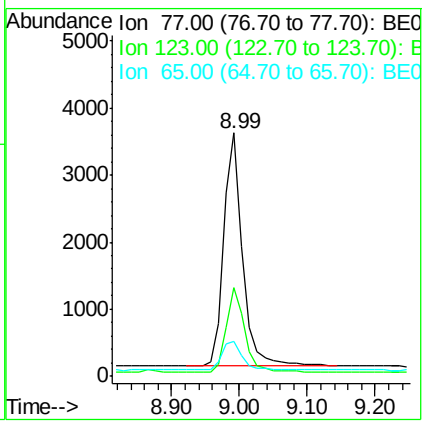




#9
Nitrobenzene
Concen: 0.38 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion: 77 Resp: 6824

Ion	Ratio	Lower	Upper
77	100		
123	36.3	26.9	40.3
65	13.2	9.4	14.2



Instrument :
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ClientSampleId :
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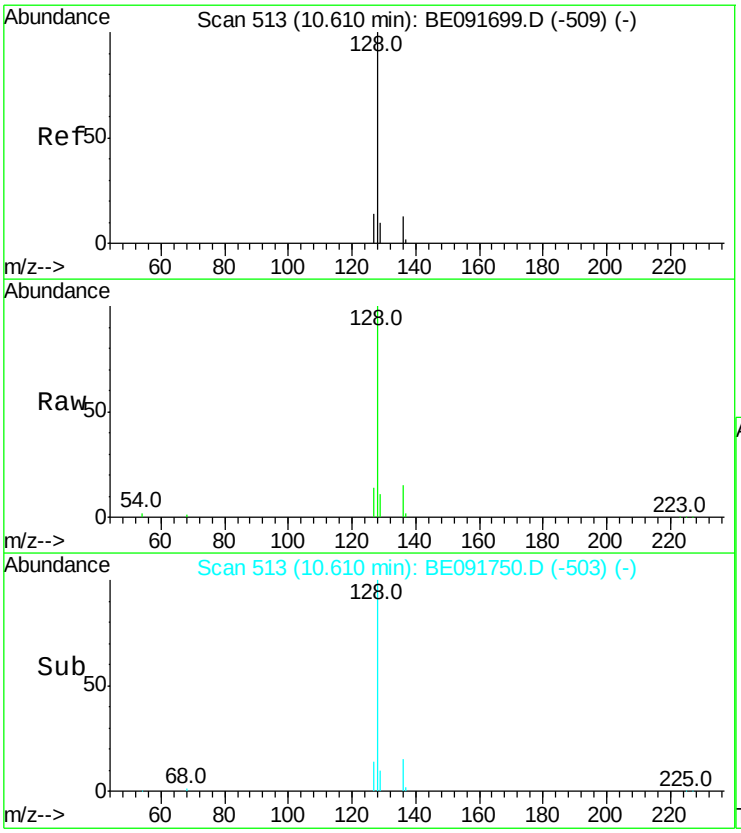
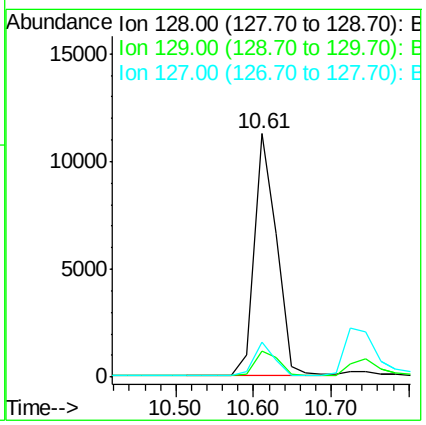
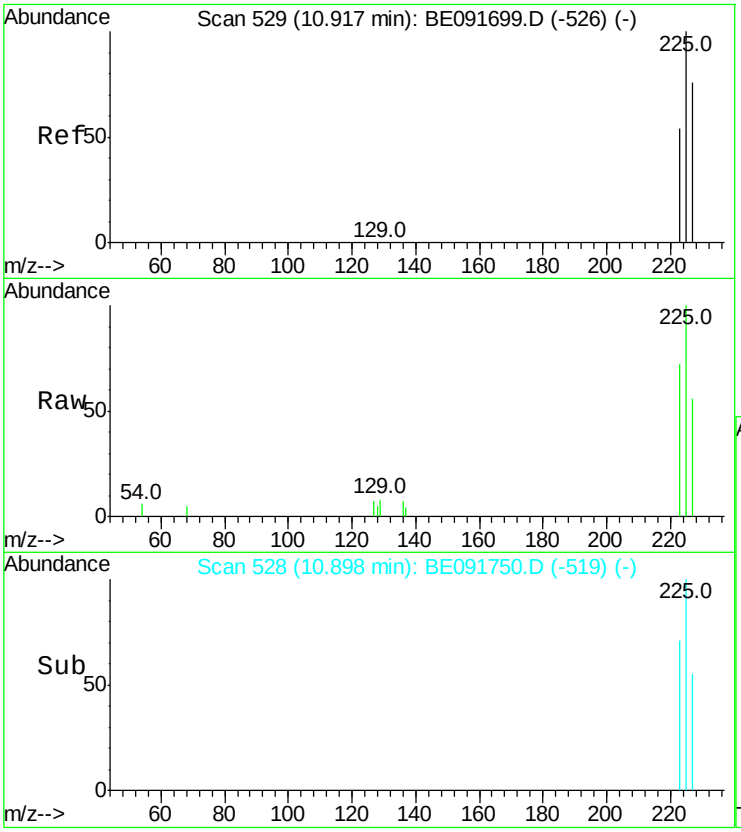


#10
Naphthalene
Concen: 0.41 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:128 Resp: 22426

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.3	13.9
127	14.1	10.7	16.1

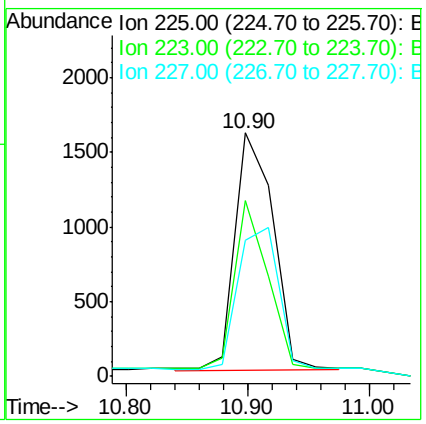




#11
Hexachlorobutadiene
Concen: 0.44 ng m
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:225 Resp: 3484

Ion	Ratio	Lower	Upper
225	100		
223	80.2	49.0	73.6#
227	80.5	50.3	75.5#



Instrument :
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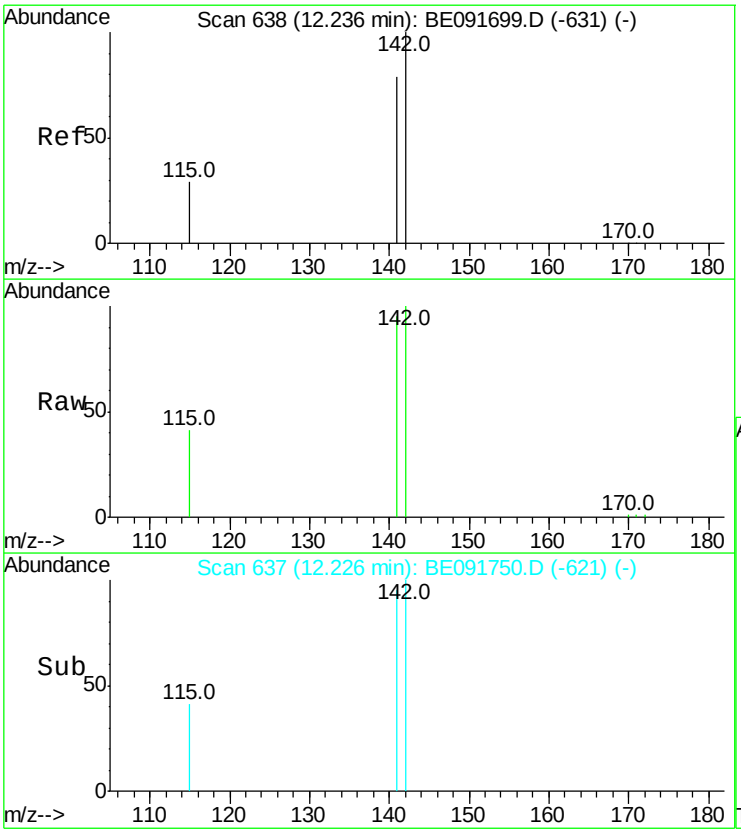
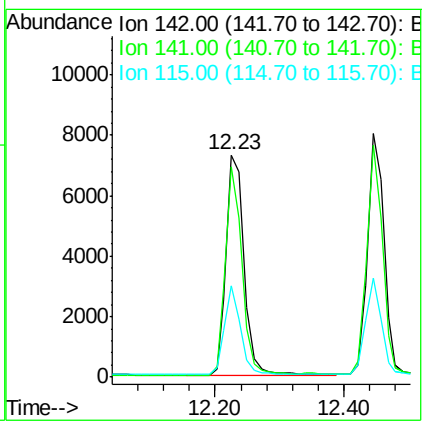
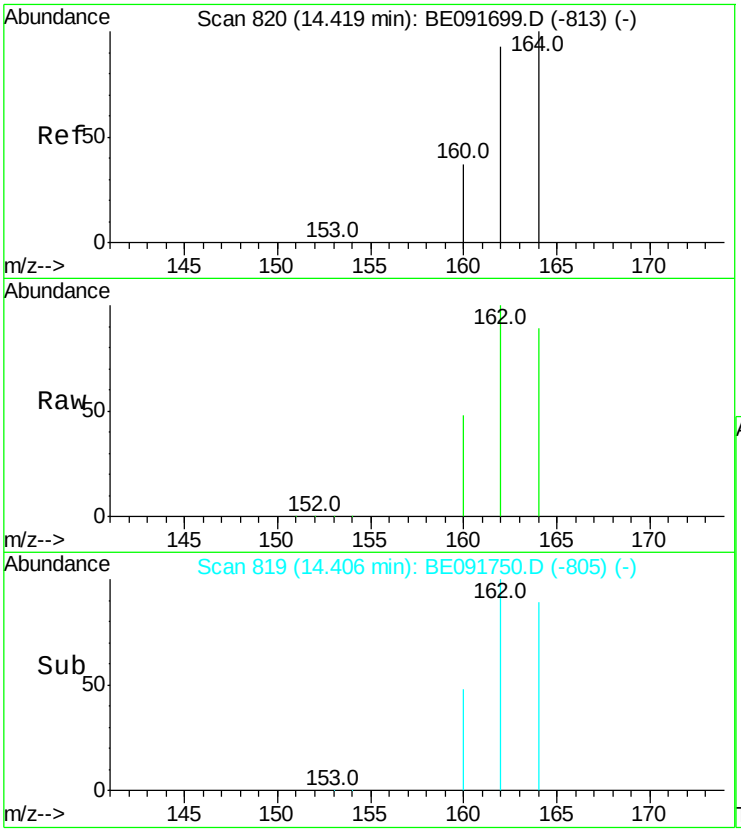


#12
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:142 Resp: 14048

Ion	Ratio	Lower	Upper
142	100		
141	94.7	71.4	107.0
115	41.3	30.3	45.5

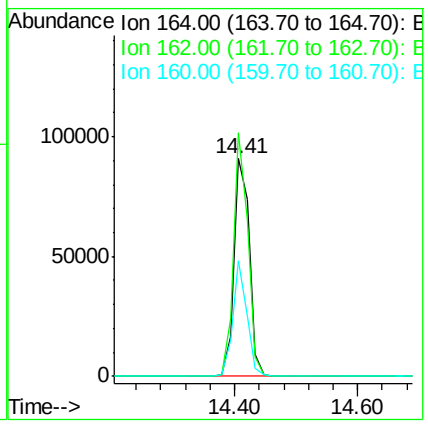




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:164 Resp: 155316

Ion	Ratio	Lower	Upper
164	100		
162	112.0	85.3	127.9
160	53.3	46.2	69.2



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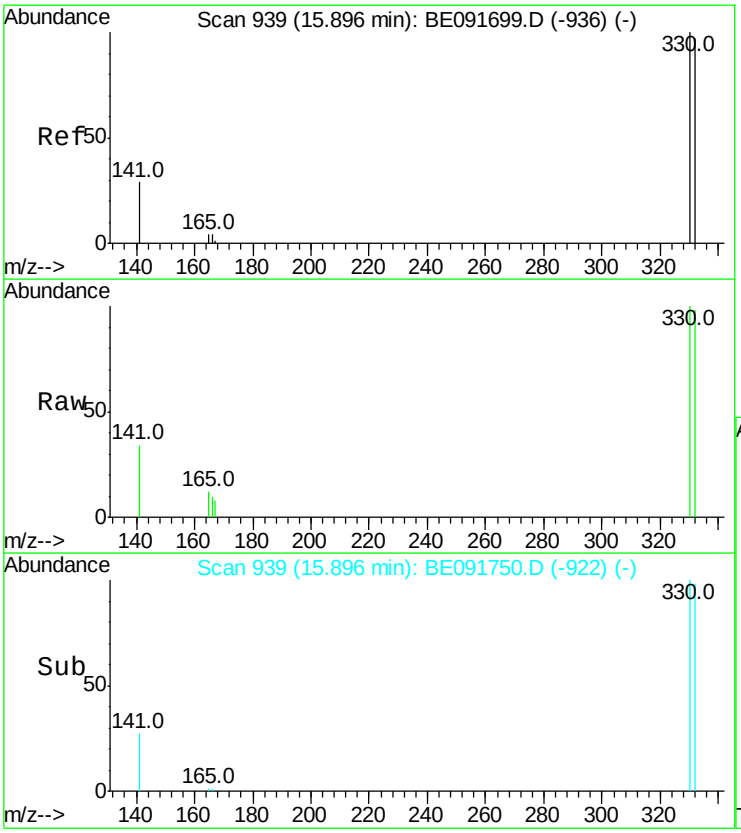
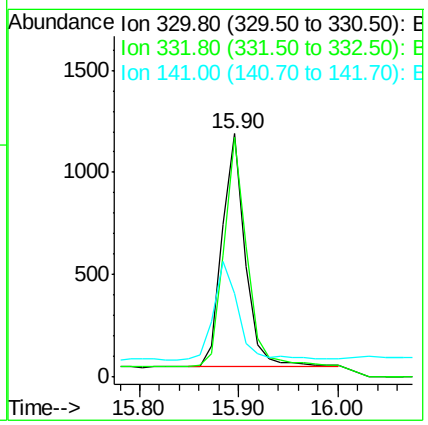
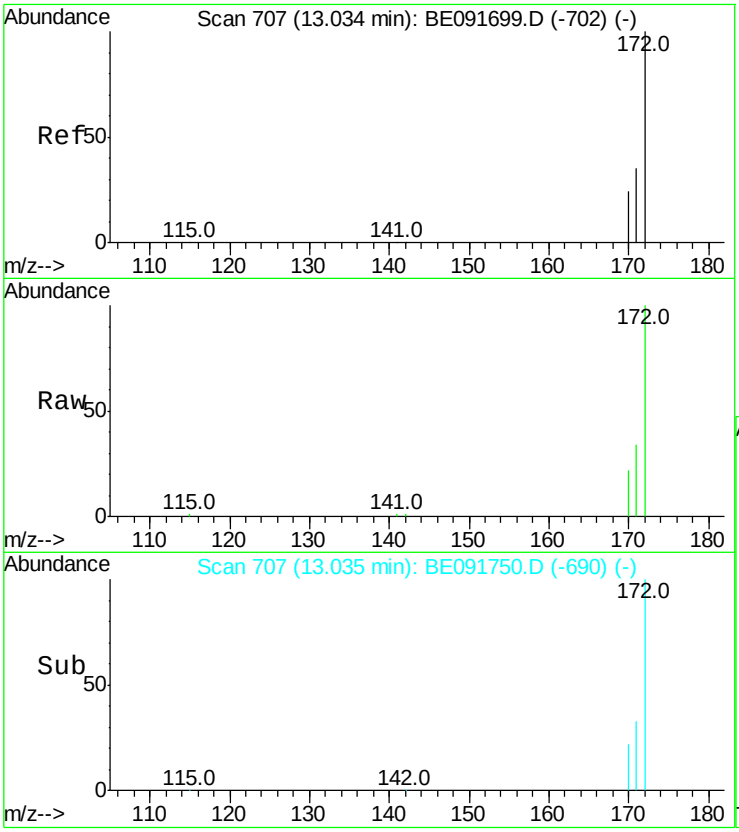


#14
2,4,6-Tribromophenol
Concen: 0.48 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:330 Resp: 1854

Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	44.1	125.4	188.0#

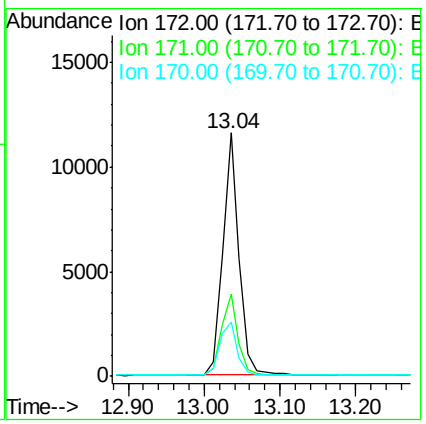




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:172 Resp: 17533

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.8	43.2
170	22.0	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
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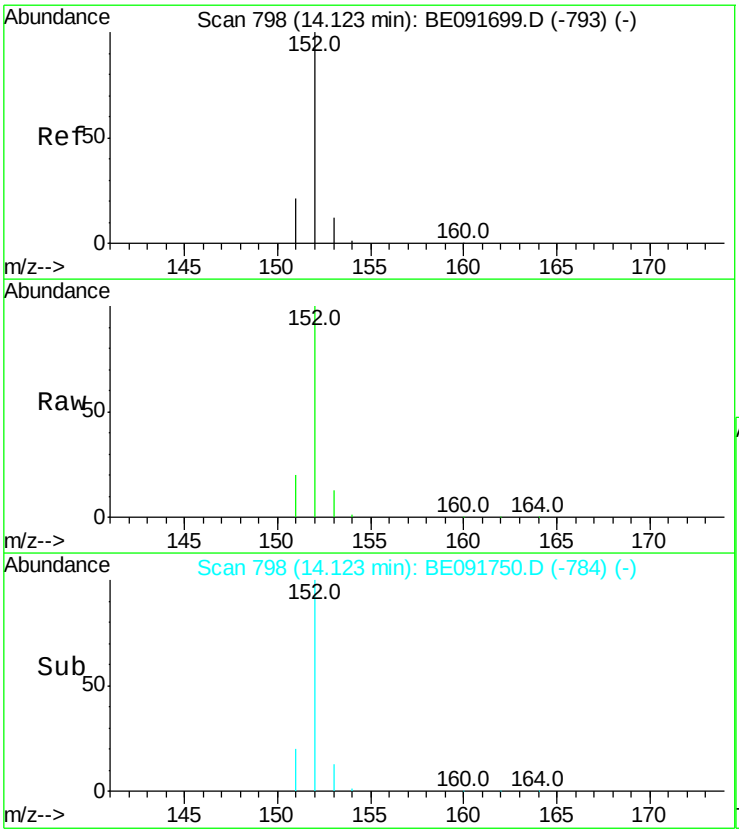
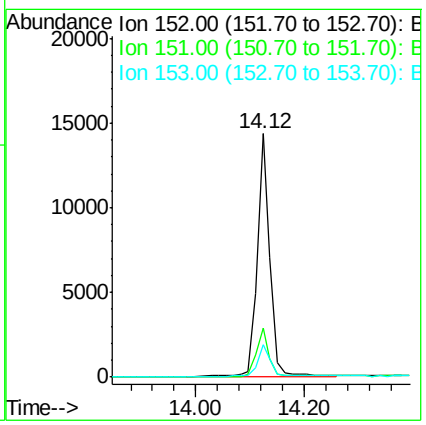
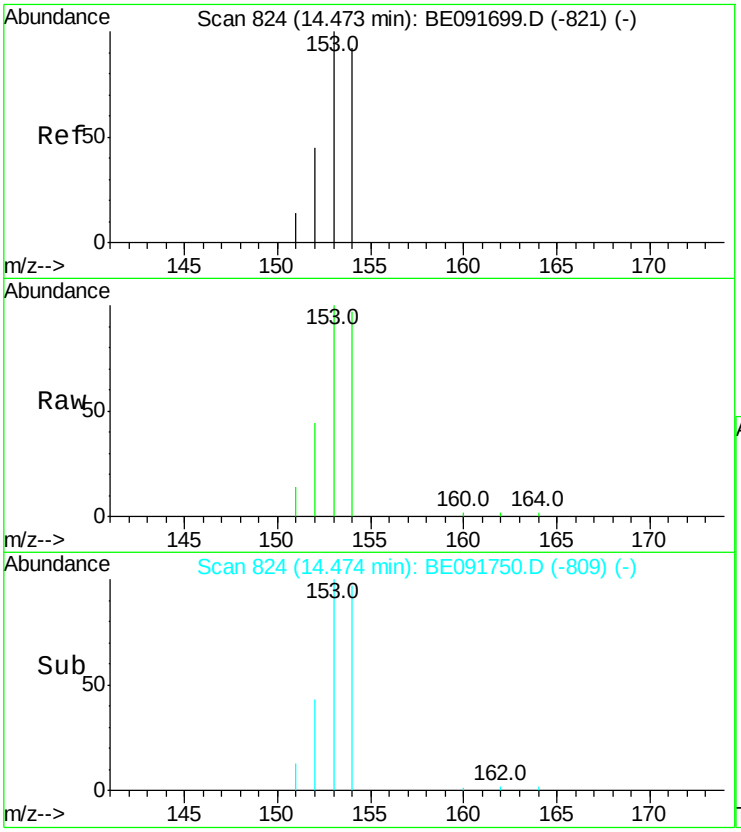


#16
Acenaphthylene
Concen: 0.43 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:152 Resp: 25532

Ion	Ratio	Lower	Upper
152	100		
151	22.1	3.9	5.9#
153	16.2	10.3	15.5#

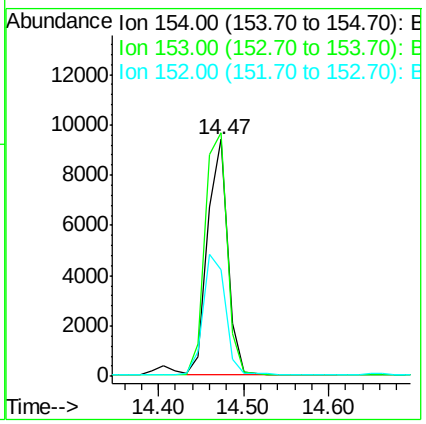




#17
Acenaphthene
Concen: 0.40 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:154 Resp: 15378

Ion	Ratio	Lower	Upper
154	100		
153	113.5	80.0	120.0
152	55.9	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
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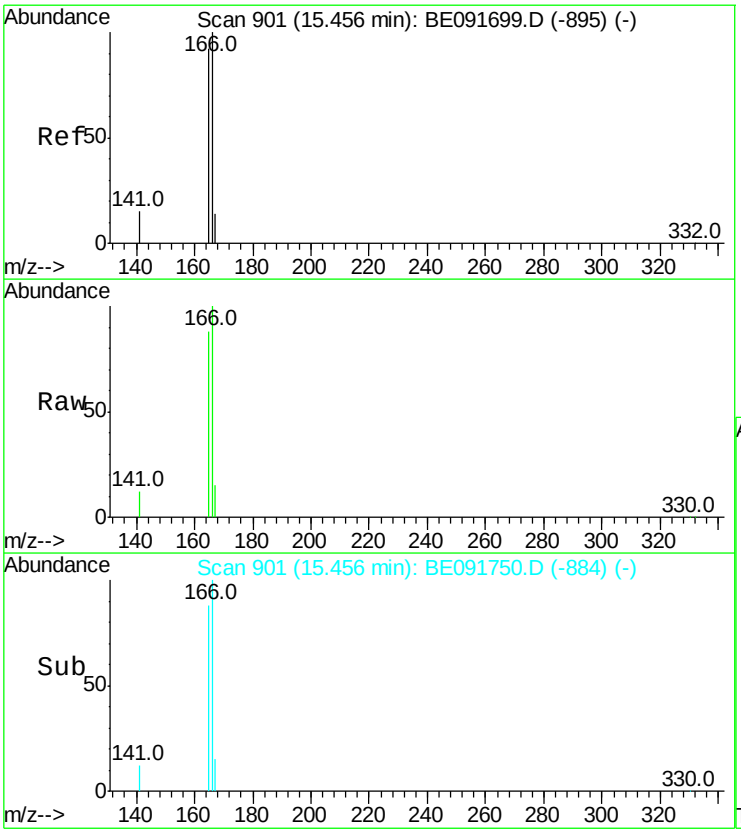
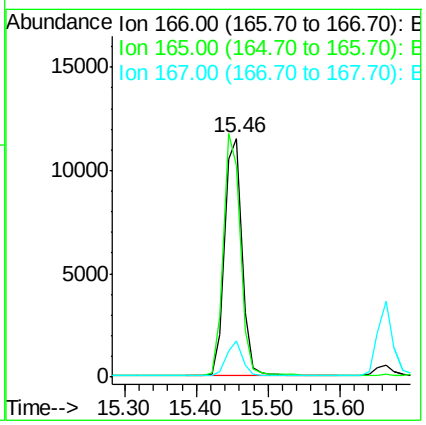
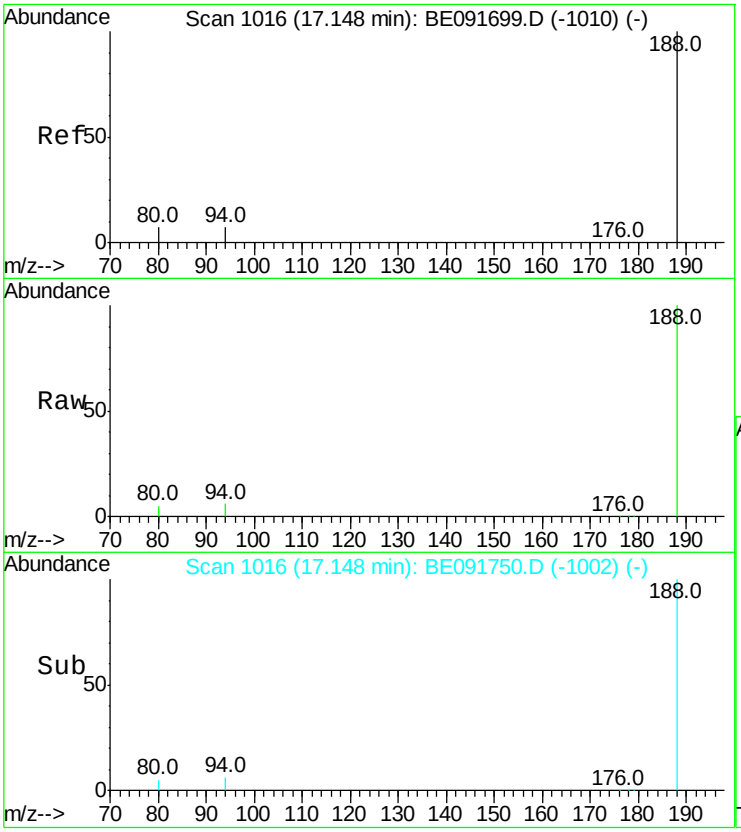


#18
Fluorene
Concen: 0.40 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:166 Resp: 19436

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.8	121.2
167	13.4	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: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:188 Resp: 368477

Ion	Ratio	Lower	Upper
188	100		
94	5.7	8.7	13.1#
80	5.1	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
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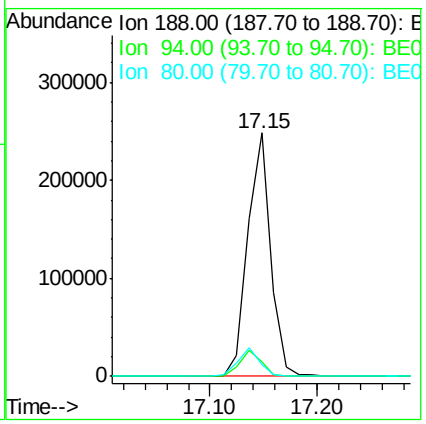
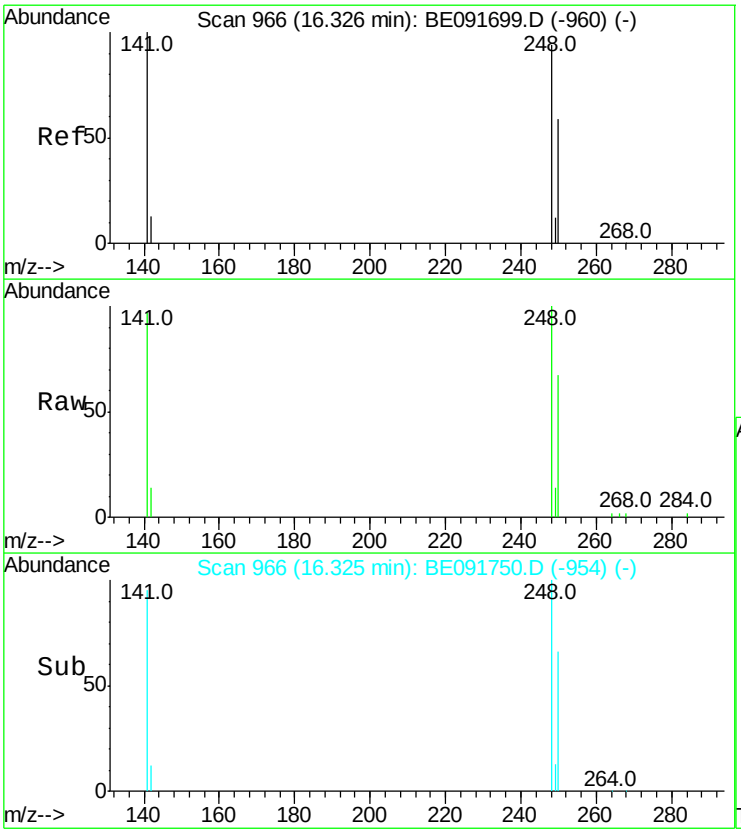
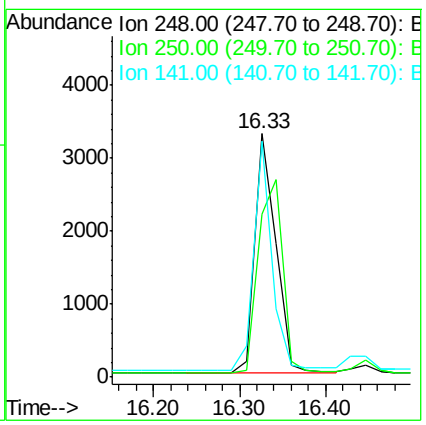


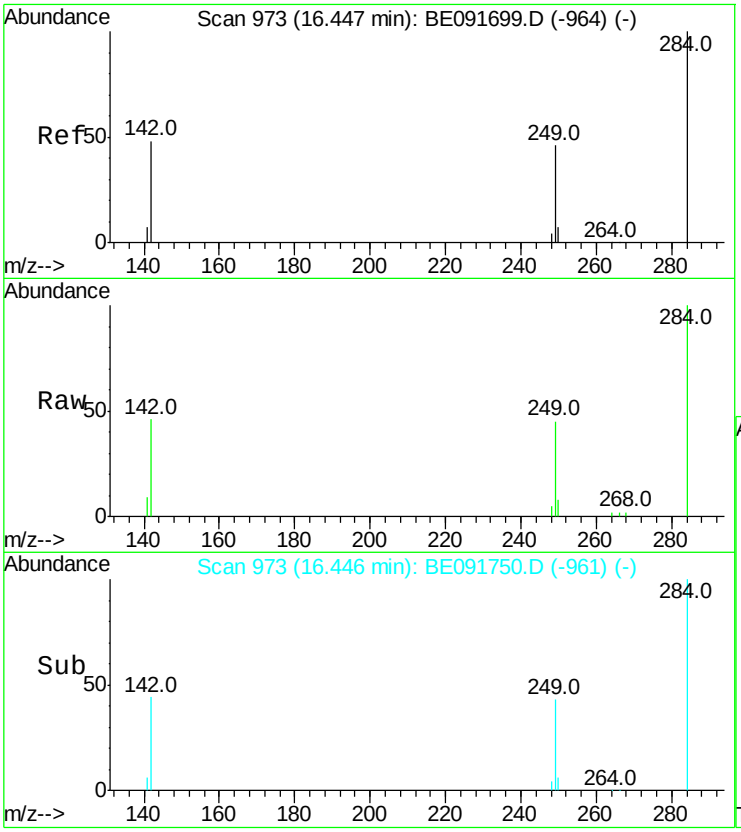


#20
4-Bromophenyl-phenylether
Concen: 0.43 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:248 Resp: 5643

Ion	Ratio	Lower	Upper
248	100		
250	94.5	80.5	120.7
141	82.8	72.0	108.0

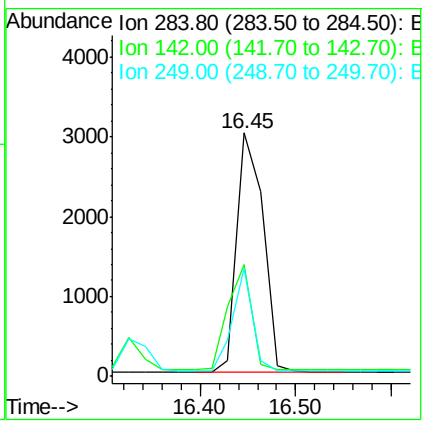




#21
Hexachlorobenzene
Concen: 0.43 ng m
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:284 Resp: 5702

Ion	Ratio	Lower	Upper
284	100		
142	40.6	32.2	48.2
249	33.7	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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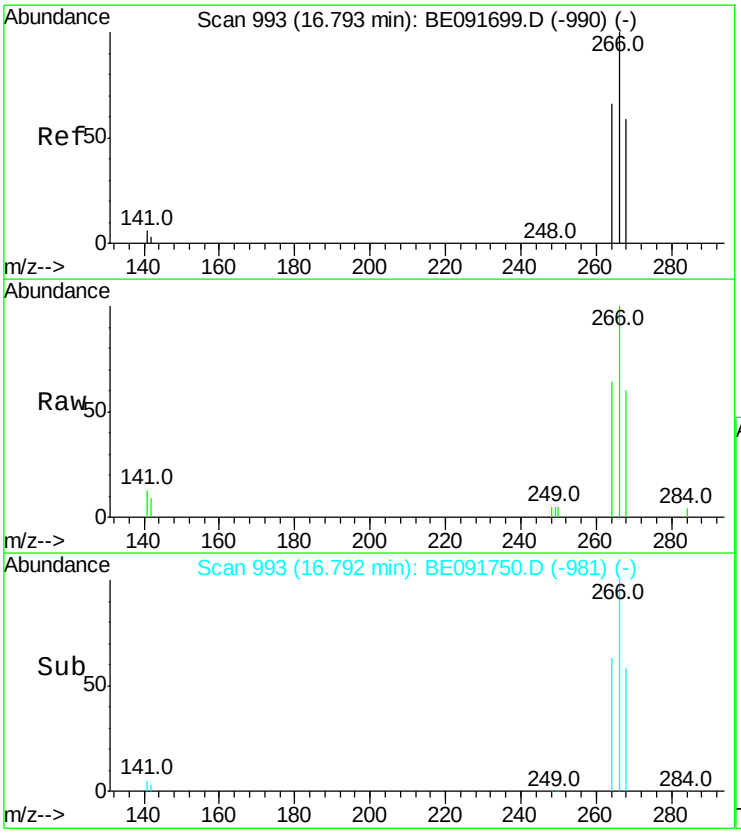
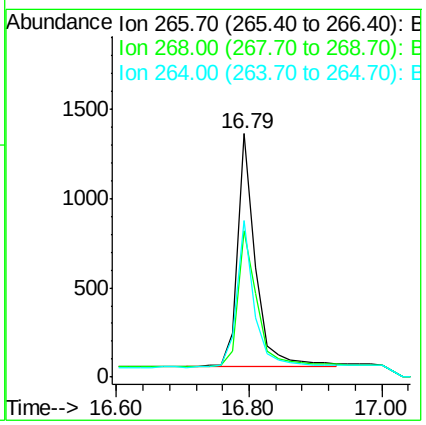
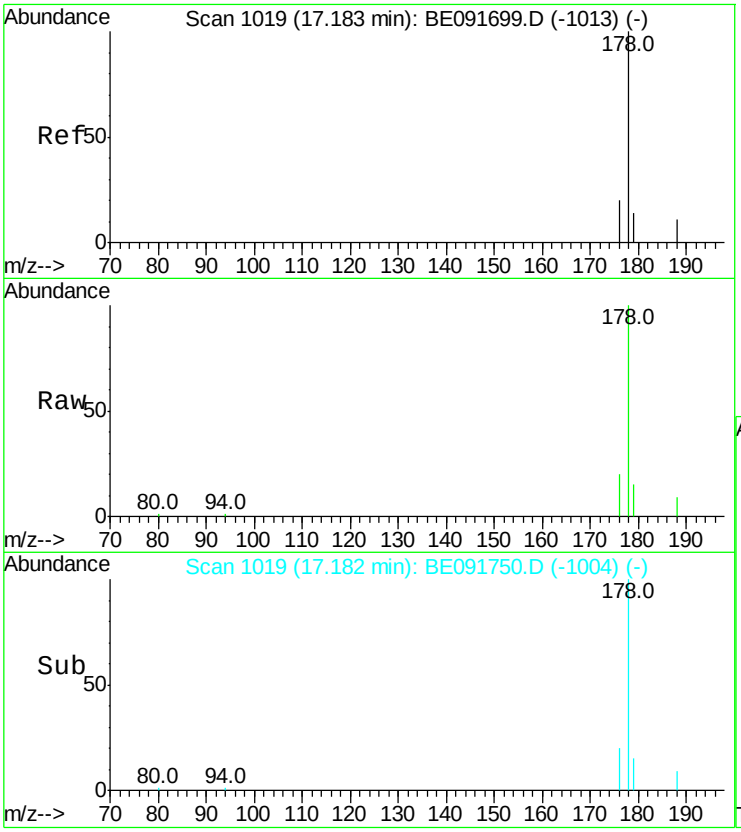


#22
Pentachlorophenol
Concen: 0.44 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:266 Resp: 2478

Ion	Ratio	Lower	Upper
266	100		
268	60.1	58.2	87.2
264	64.2	56.2	84.4

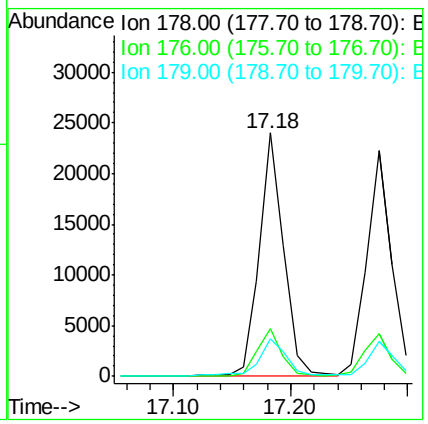




#23
Phenanthrene
Concen: 0.41 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:178 Resp: 34423

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.2	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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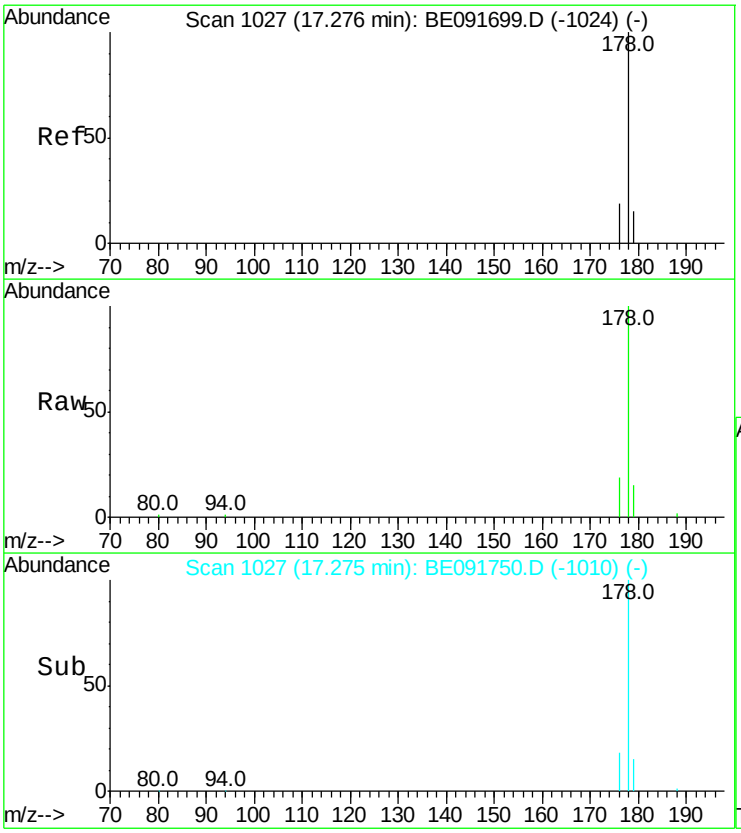
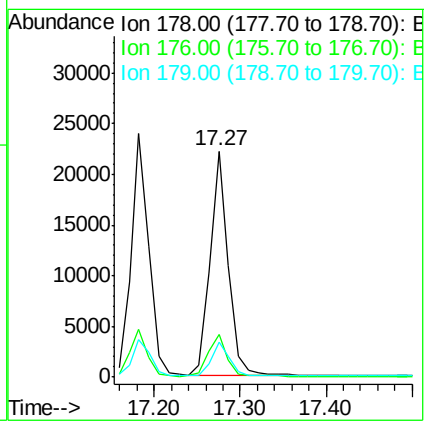
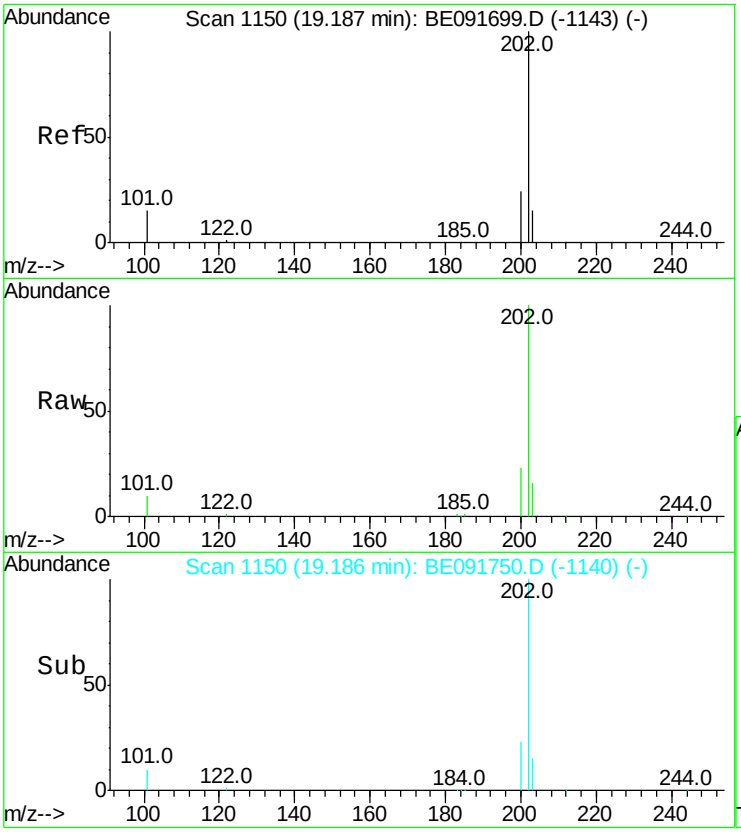


#24
Anthracene
Concen: 0.44 ng
RT: 17.27 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:178 Resp: 32943

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	15.2	11.8	17.6

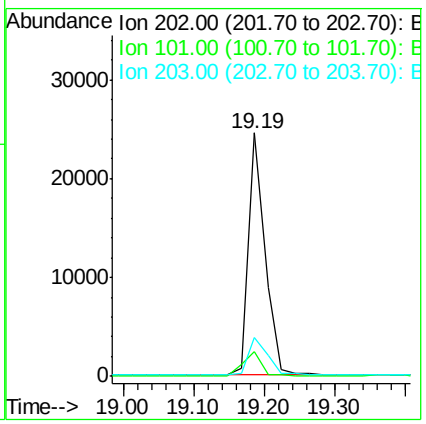




#25
Fluoranthene
Concen: 0.46 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:202 Resp: 40448

Ion	Ratio	Lower	Upper
202	100		
101	10.9	11.0	16.6#
203	17.6	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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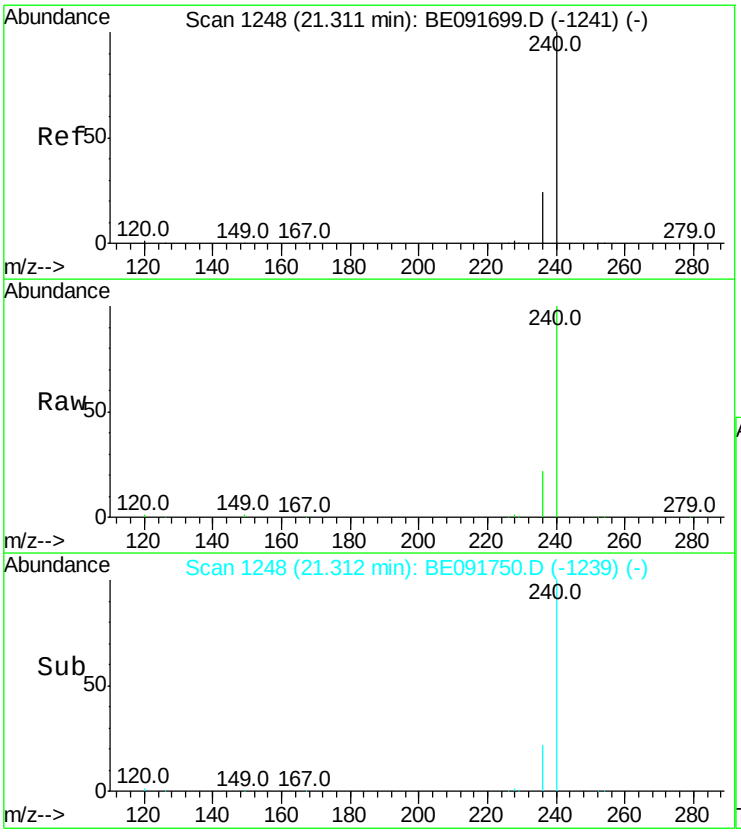
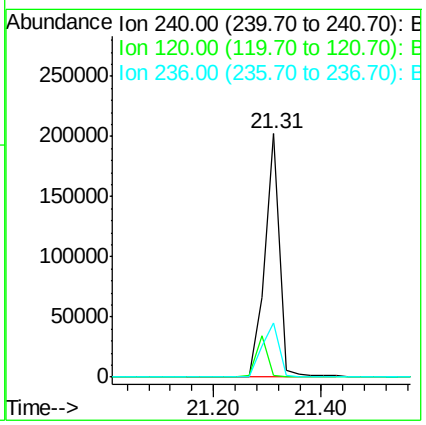
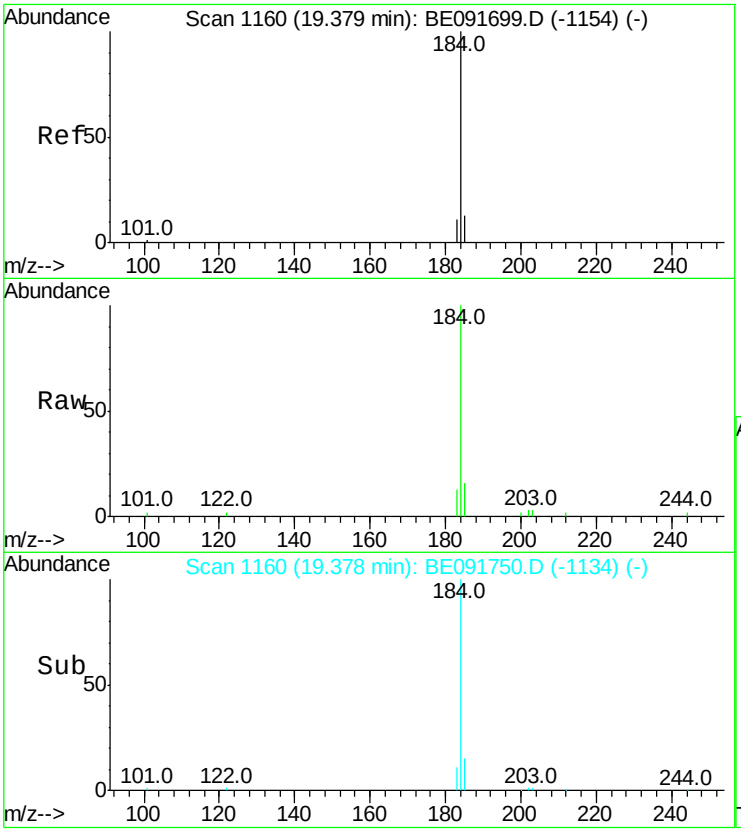


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:240 Resp: 383883

Ion	Ratio	Lower	Upper
240	100		
120	1.0	11.0	16.4#
236	22.3	21.7	32.5

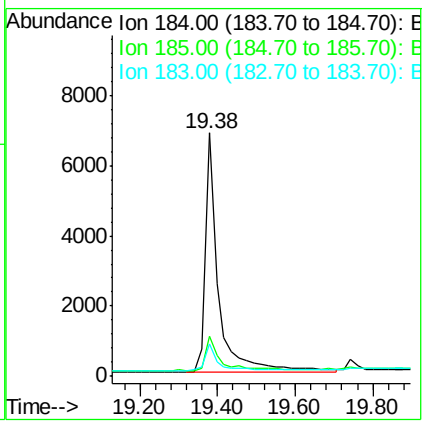




#27
Benzidine
Concen: 0.67 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:184 Resp: 15942

Ion	Ratio	Lower	Upper
184	100		
185	16.2	22.3	33.5#
183	13.1	16.4	24.6#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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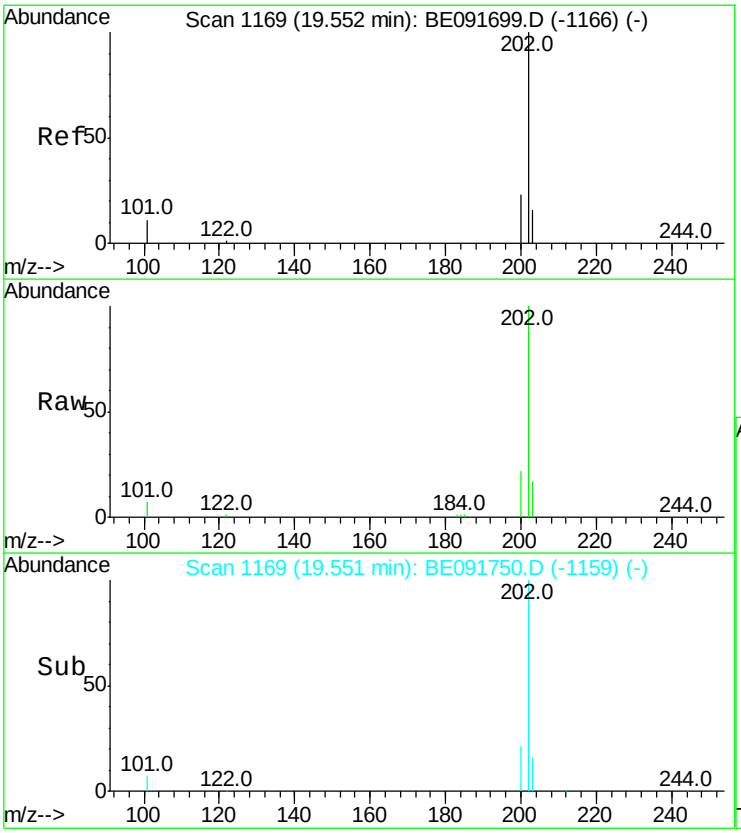
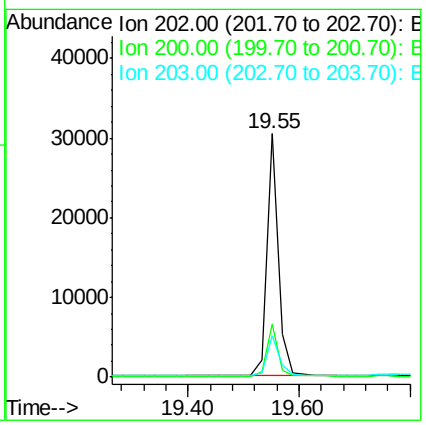
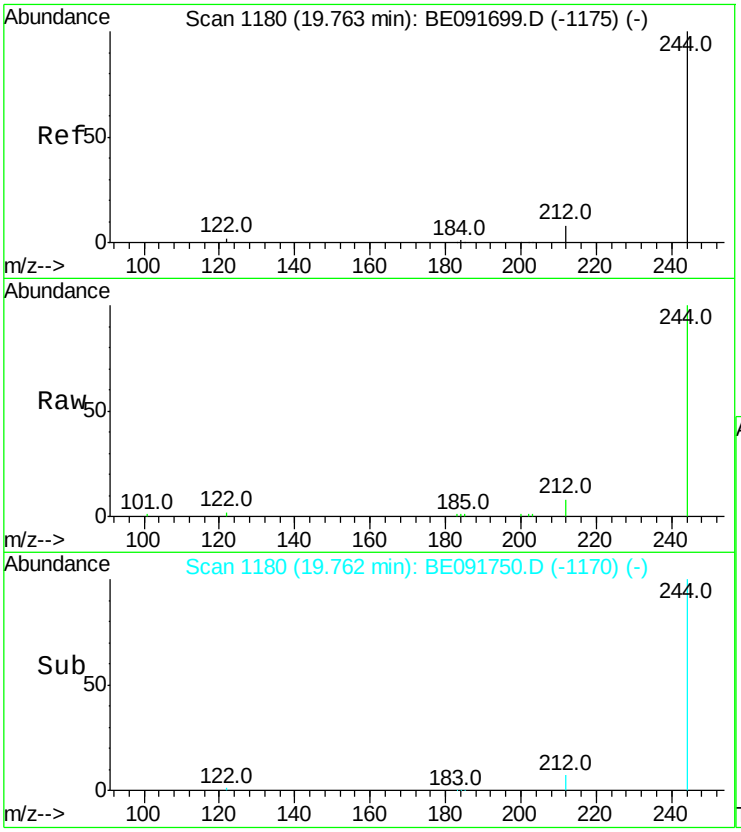


#28
Pyrene
Concen: 0.51 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:202 Resp: 43917

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.0	14.0	21.0

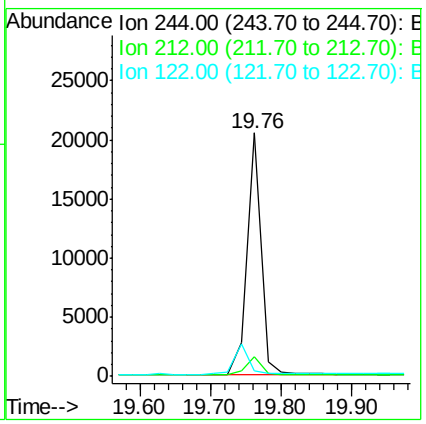




#29
Terphenyl-d14
Concen: 0.48 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:244 Resp: 28703

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.9	10.3
122	2.4	11.0	16.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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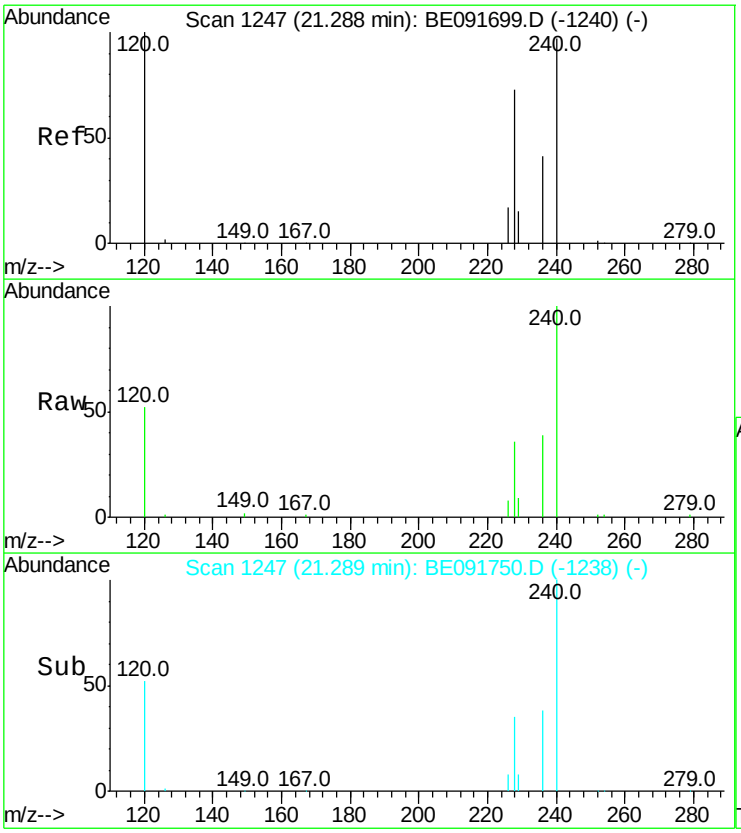
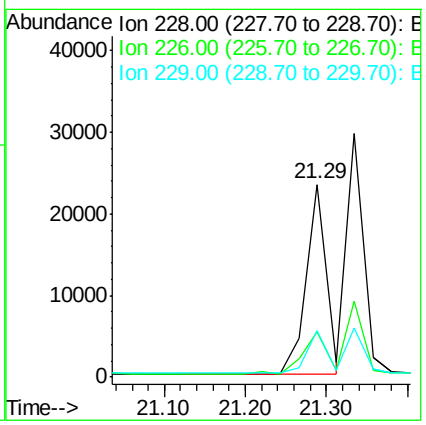
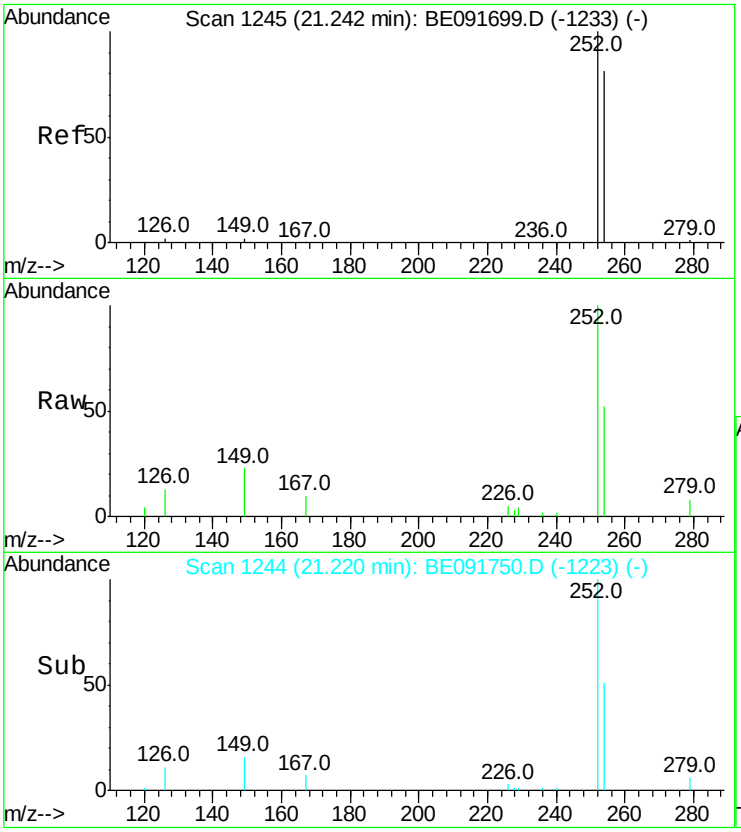


#30
Benzo(a)anthracene
Concen: 0.43 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:228 Resp: 40727

Ion	Ratio	Lower	Upper
228	100		
226	23.6	21.0	31.4
229	24.3	15.7	23.5#





#31
3,3'-Dichlorobenzidine
Concen: 0.56 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:252 Resp: 26734

Ion	Ratio	Lower	Upper
252	100		
254	51.7	51.1	76.7
126	12.8	12.6	18.8

Instrument :
BNA_E
ClientSampleId :
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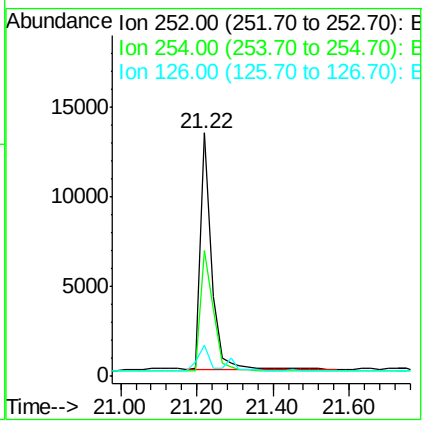
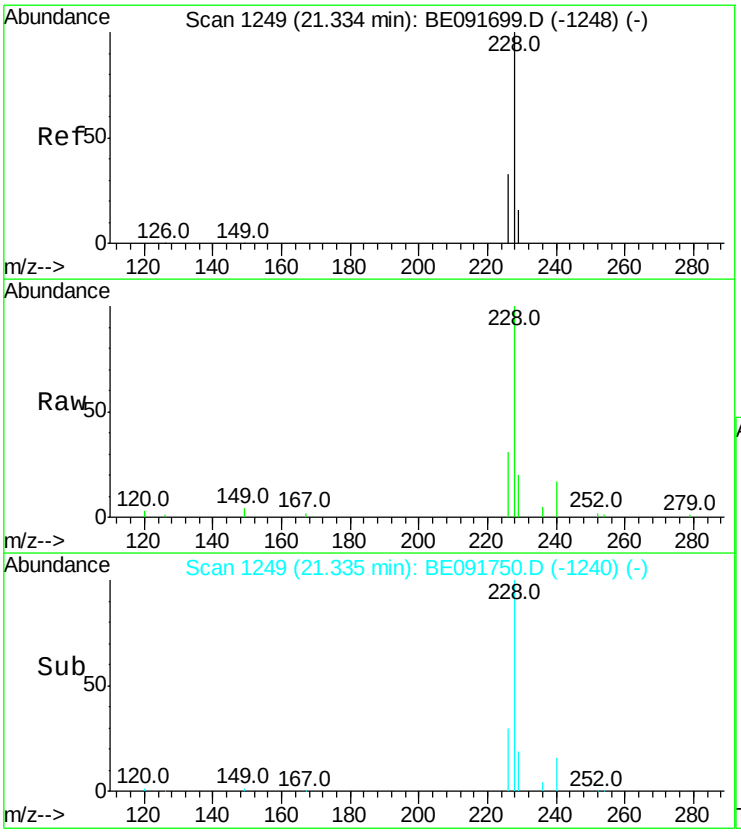
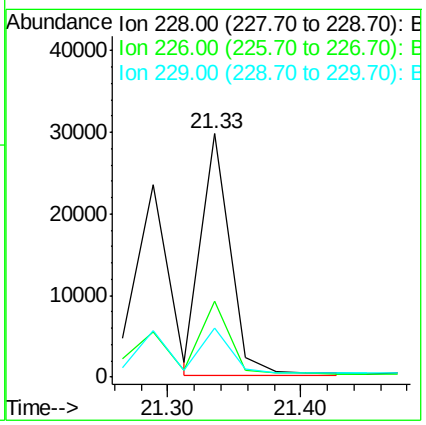


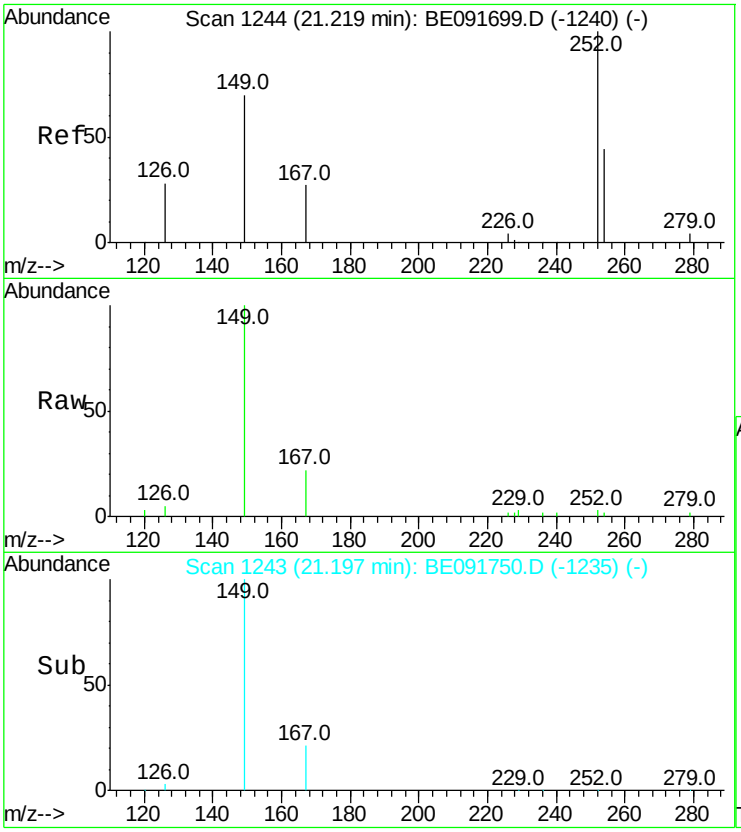


#32
Chrysene
Concen: 0.46 ng m
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:228 Resp: 45060

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	20.1	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.98 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:149 Resp: 27812

Ion	Ratio	Lower	Upper
149	100		
167	20.9	19.5	29.3
279	0.0	10.0	15.0#

Instrument :
BNA_E
ClientSampleId :
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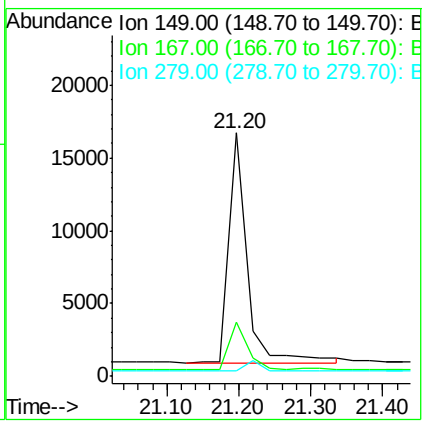
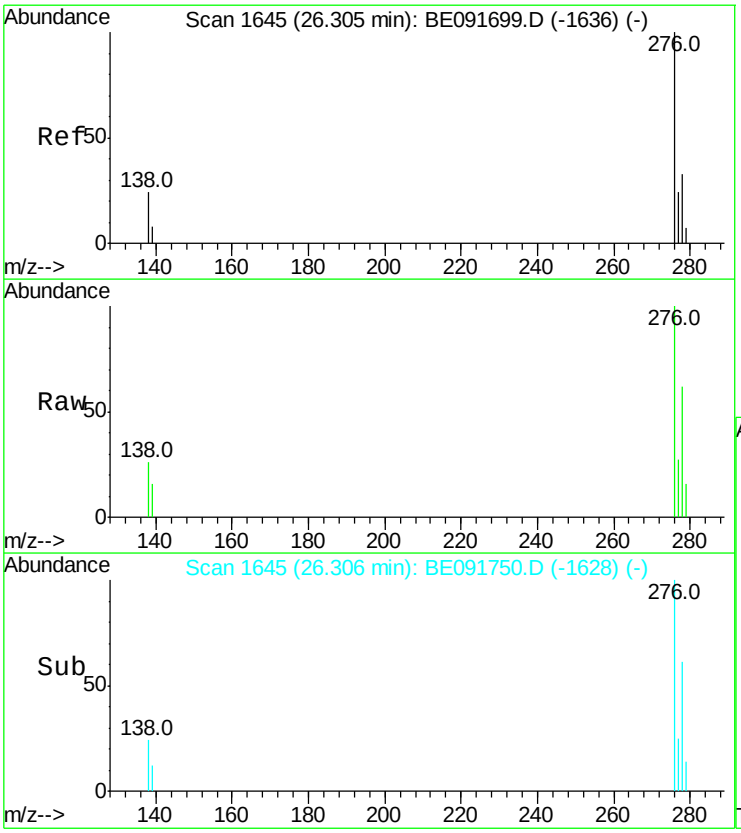
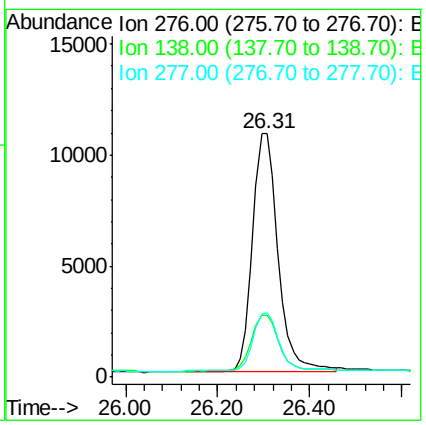


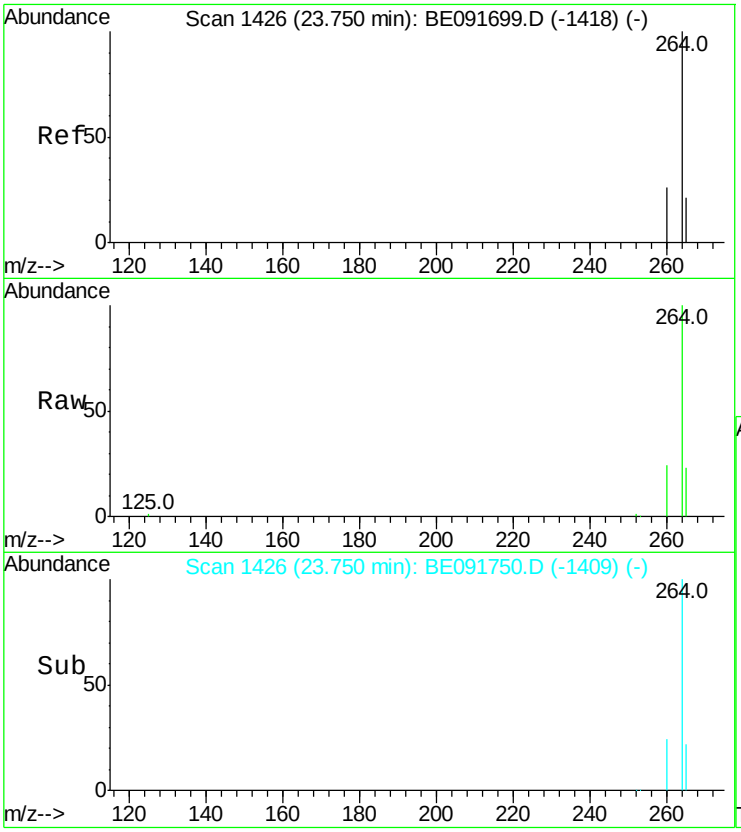


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.47 ng
RT: 26.31 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:276 Resp: 41199

Ion	Ratio	Lower	Upper
276	100		
138	26.4	23.4	35.2
277	24.3	19.8	29.8

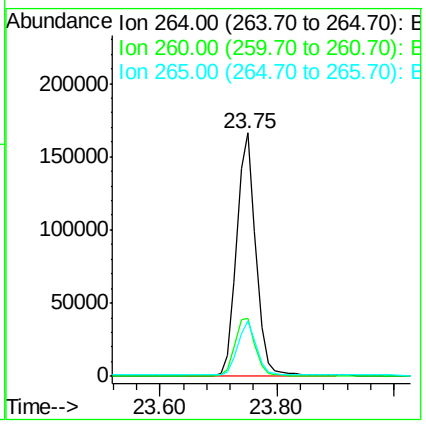




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:264 Resp: 376167

Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.0	30.0
265	22.8	17.5	26.3



Instrument :
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ClientSampleId :
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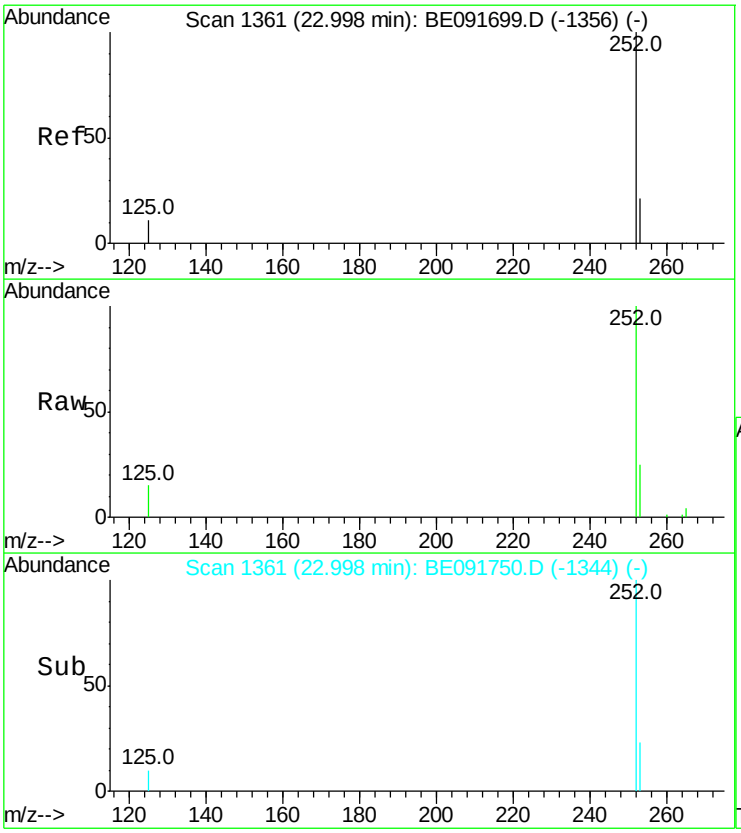
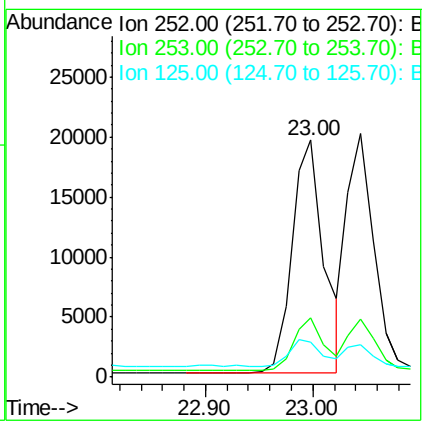
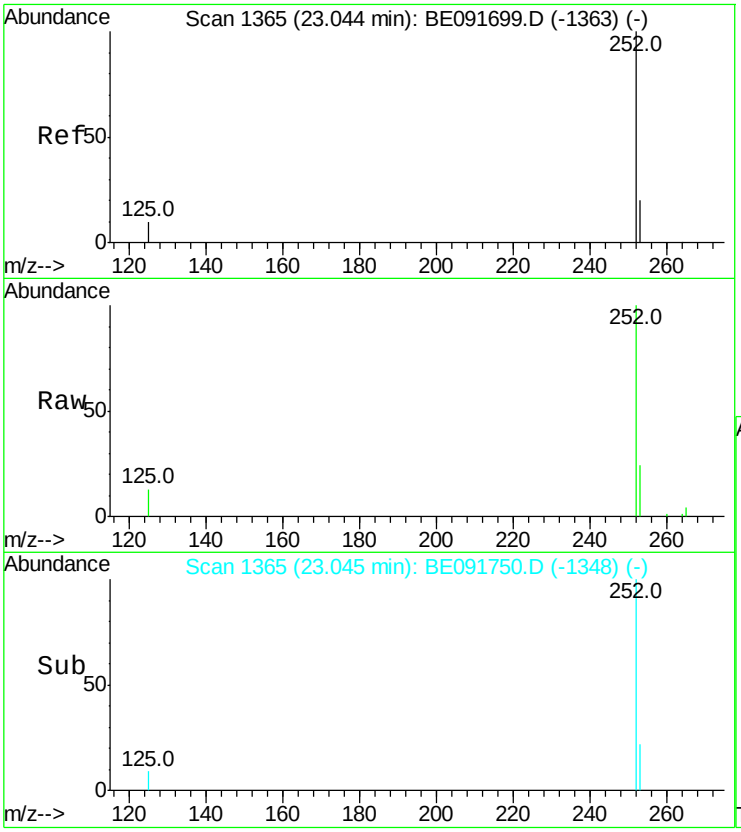


#36
Benzo(b)fluoranthene
Concen: 0.45 ng
RT: 23.00 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:252 Resp: 39920

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.4	26.0
125	14.9	10.2	15.2

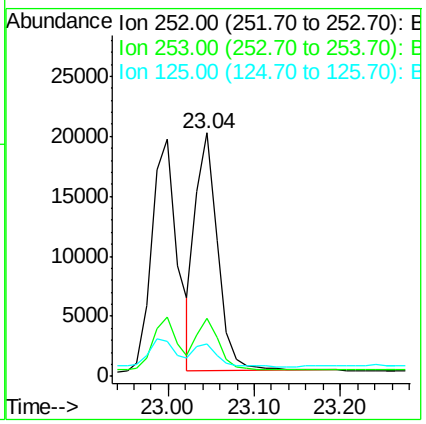




#37
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.04 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:252 Resp: 35636

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	13.3	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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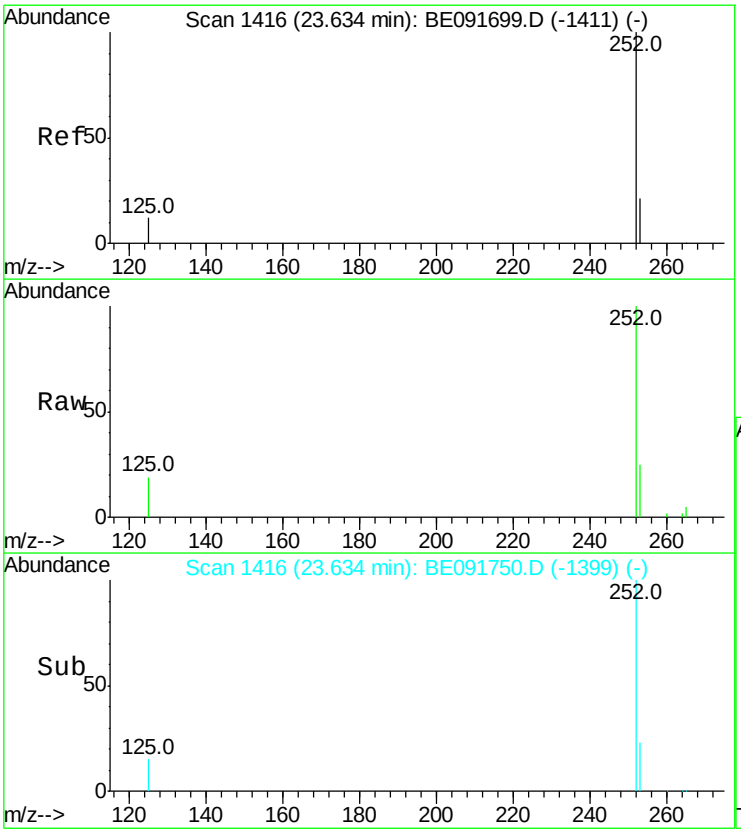
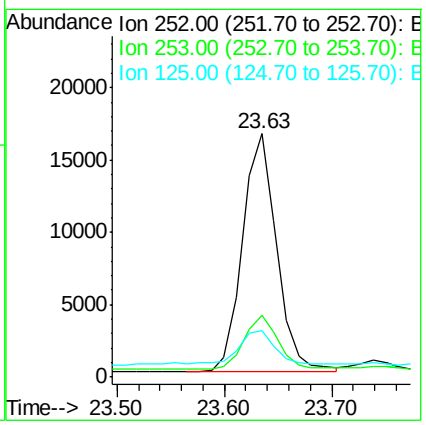
5/4/2016 6:49:55 PM

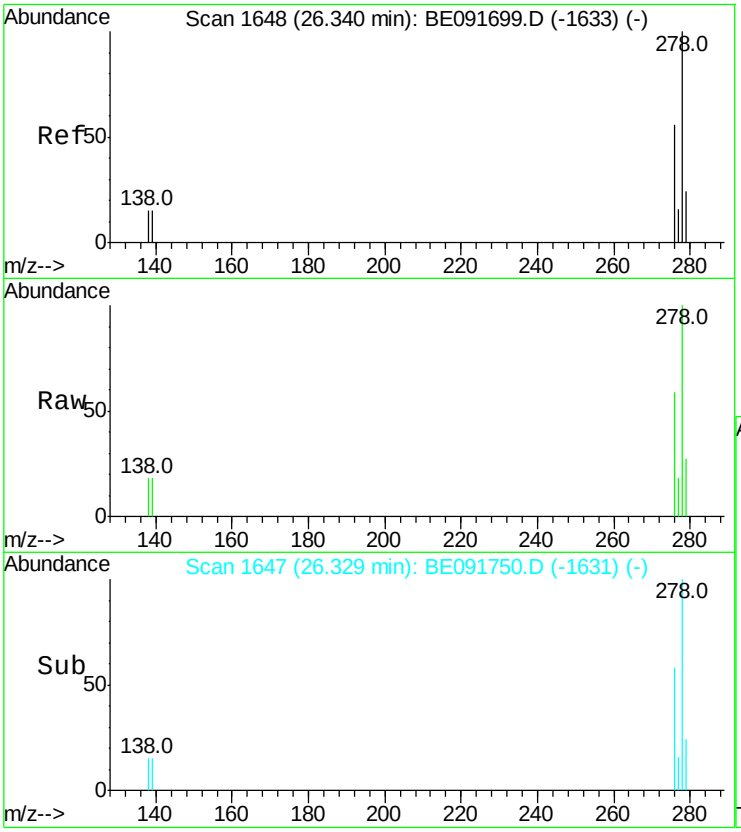


#38
Benzo(a)pyrene
Concen: 0.44 ng
RT: 23.63 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:252 Resp: 36184

Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	19.2	11.0	16.4#

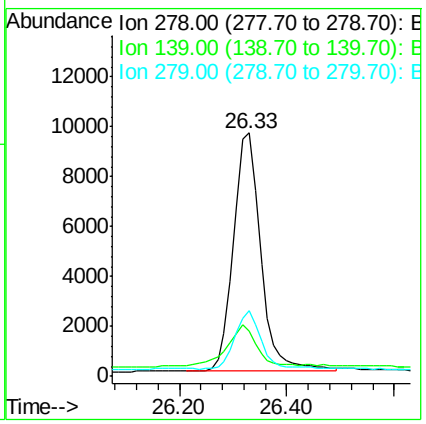




#39
Dibenzo(a,h)anthracene
Concen: 0.43 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

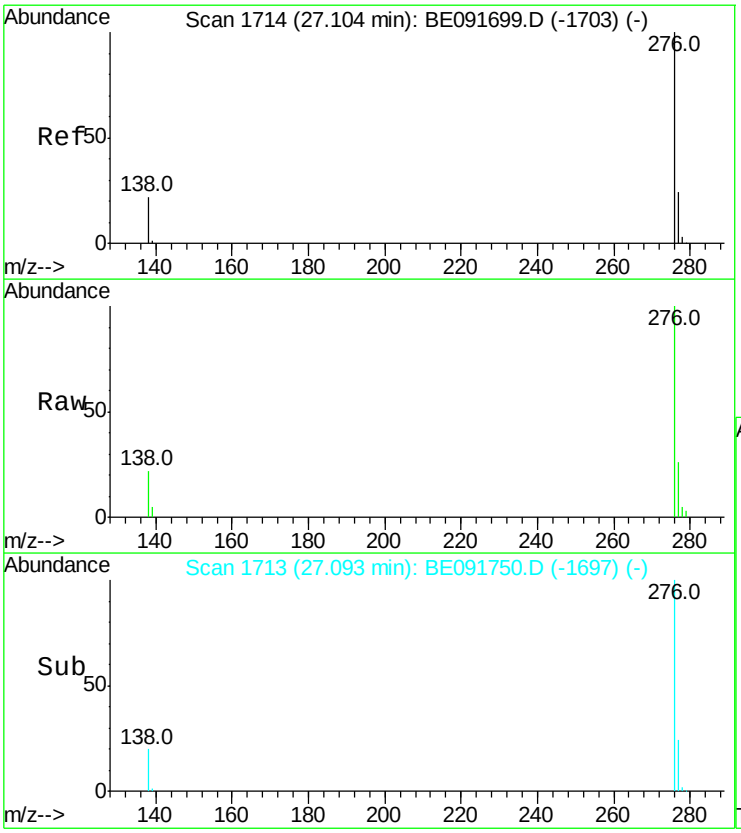
Tgt Ion:278 Resp: 33536

Ion	Ratio	Lower	Upper
278	100		
139	18.4	16.0	24.0
279	26.7	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
5/4/2016 6:49:55 PM



#40
Benzo(g,h,i)perylene
Concen: 0.43 ng
RT: 27.09 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BE091750.D
Acq: 3 May 2016 19:18

Tgt Ion:276 Resp: 34462

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	22.3	20.4	30.6