Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051816\
Data File : BE091791.D
Acq On : 18 May 2016 13:49
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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Quant Time: May 18 18:03:23 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	7.79	152	32763	5.00	ng		-0.02
7) Naphthalene-d8	10.55	136	154986	5.00	ng		-0.02
13) Acenaphthene-d10	14.41	164	94783	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	256789	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	382256	5.00	ng		-0.02
35) Perylene-d12	23.73	264	365867	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	2867	0.36	ng		-0.02
5) Phenol-d6	6.95	99	3761	0.35	ng		0.00
8) Nitrobenzene-d5	8.94	82	3501	0.35	ng		-0.01
14) 2,4,6-Tribromophenol	15.88	330	1181	0.49	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	9997	0.37	ng		-0.01
29) Terphenyl-d14	19.74	244	17904	0.30	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	1515	0.30	ng		98
3) n-Nitrosodimethylamine	3.63	42	1955	0.33	ng	#	97
6) bis(2-Chloroethyl)ether	7.21	93	3561	0.38	ng	#	80
9) Nitrobenzene	8.98	77	3516	0.34	ng	#	94
10) Naphthalene	10.61	128	11947	0.38	ng		99
11) Hexachlorobutadiene	10.90	225	1768m	0.38	ng		
12) 2-Methylnaphthalene	12.22	142	7632	0.38	ng		93
16) Acenaphthylene	14.12	152	14365	0.39	ng	#	80
17) Acenaphthene	14.46	154	8455	0.36	ng	#	83
18) Fluorene	15.44	166	11433	0.39	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	3541	0.38	ng		94
21) Hexachlorobenzene	16.45	284	3592	0.39	ng		99
22) Pentachlorophenol	16.79	266	1472	0.39	ng		92
23) Phenanthrene	17.17	178	23188	0.40	ng		98
24) Anthracene	17.26	178	20095	0.38	ng		99
25) Fluoranthene	19.19	202	26158	0.43	ng	#	96
27) Benzidine	19.38	184	5959	0.35	ng	#	83
28) Pyrene	19.55	202	27329	0.32	ng		100
30) Benzo(a)anthracene	21.27	228	31026m	0.33	ng		
31) 3,3'-Dichlorobenzidine	21.22	252	17834	0.37	ng	#	88
32) Chrysene	21.33	228	29151m	0.30	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	12752	0.45	ng	#	80
34) Indeno(1,2,3-cd)pyrene	26.27	276	34315	0.40	ng		94
36) Benzo(b)fluoranthene	22.98	252	29912	0.35	ng		98
37) Benzo(k)fluoranthene	23.02	252	30838	0.35	ng		98
38) Benzo(a)pyrene	23.61	252	28899	0.36	ng		100
39) Dibenzo(a,h)anthracene	26.29	278	28029	0.37	ng		96
40) Benzo(g,h,i)perylene	27.06	276	28928	0.37	ng		94

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051816\
Data File : BE091791.D
Acq On : 18 May 2016 13:49
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 18 18:03:23 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 :
SSTDCCC0.4

Manual Integrations APPROVED
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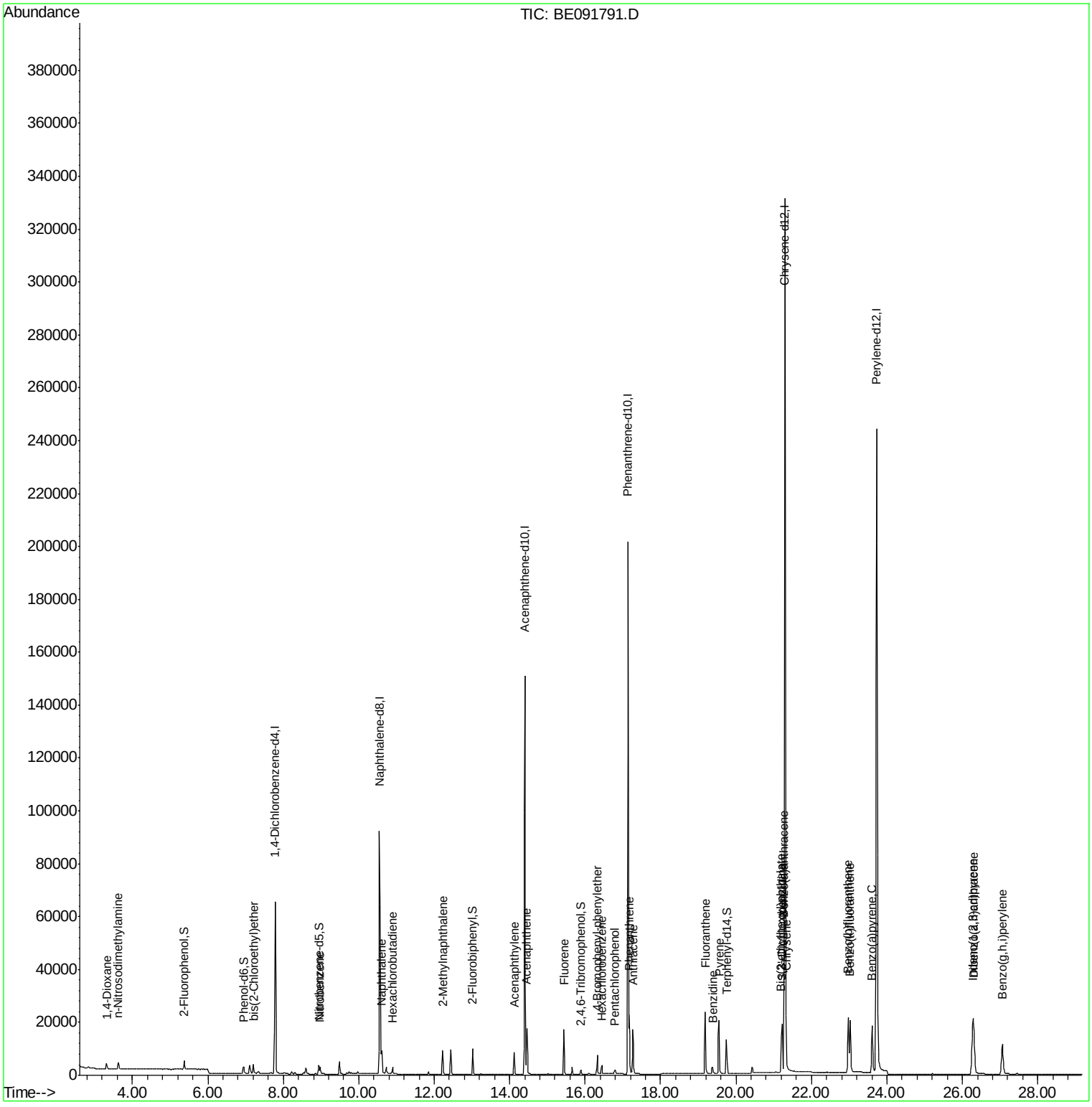
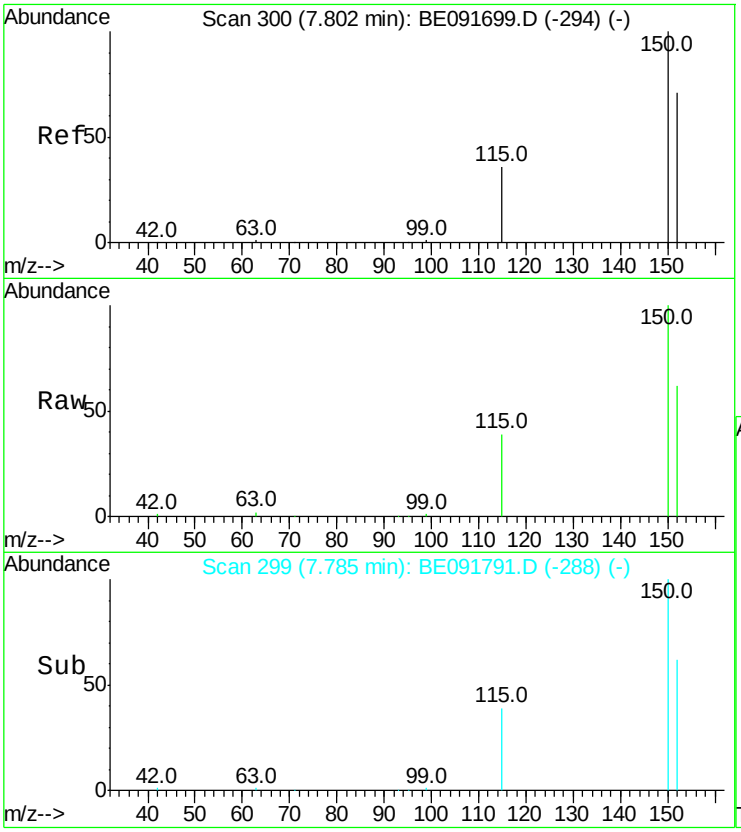
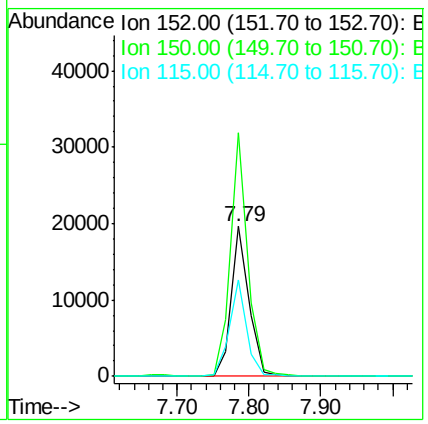




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:152 Resp: 32763

Ion	Ratio	Lower	Upper
152	100		
150	162.3	122.6	183.8
115	64.0	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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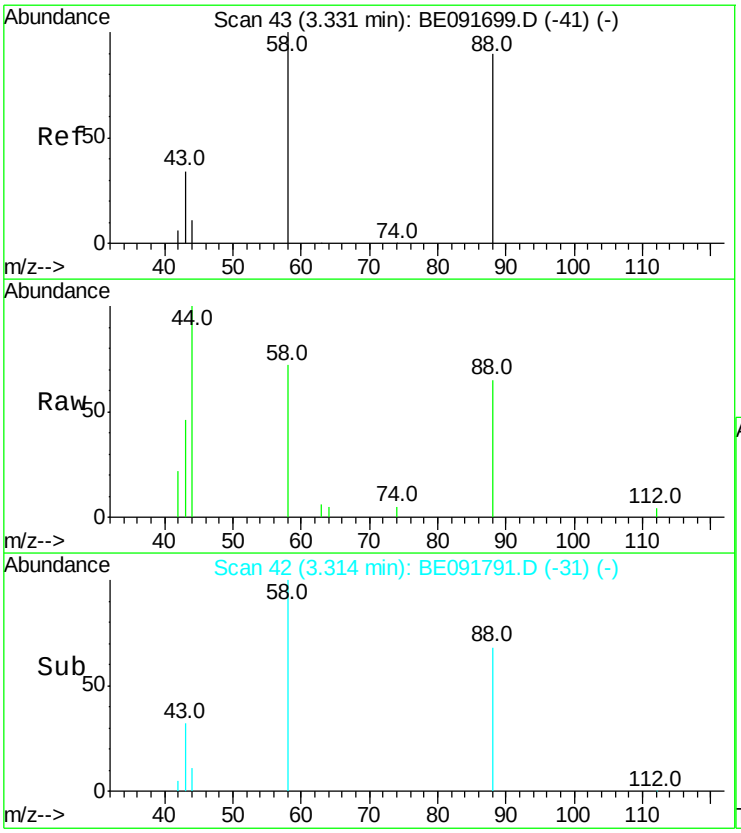
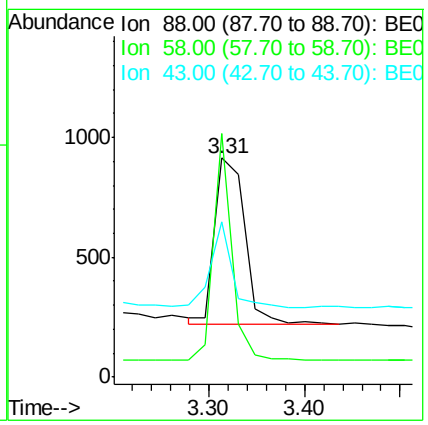
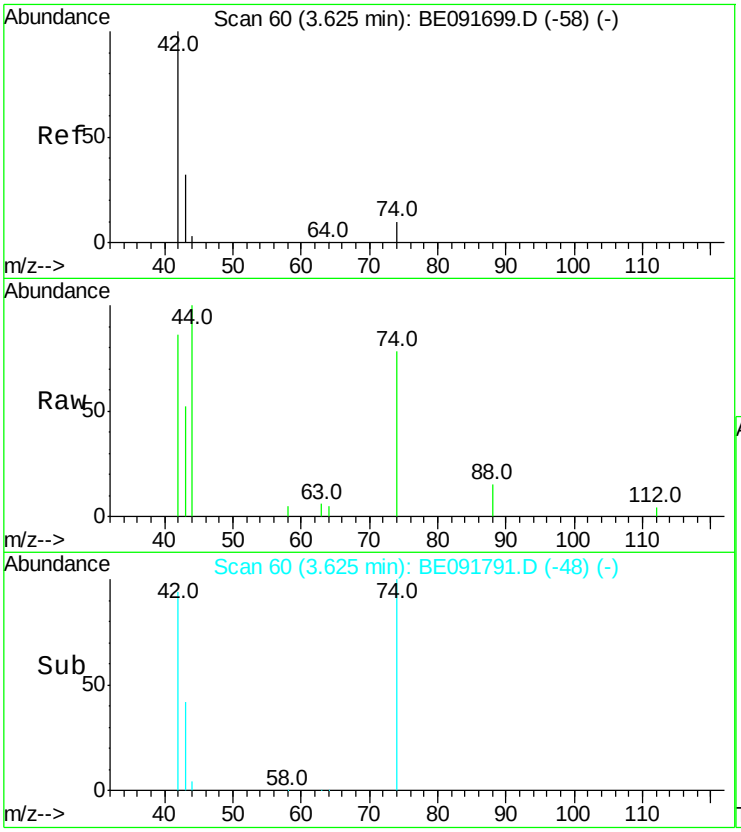


#2
1,4-Dioxane
Concen: 0.30 ng
RT: 3.31 min Scan# 42
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion: 88 Resp: 1515

Ion	Ratio	Lower	Upper
88	100		
58	82.0	65.8	98.6
43	35.9	25.3	37.9





#3
n-Nitrosodimethylamine
Concen: 0.33 ng
RT: 3.63 min Scan# 60
Delta R.T. -0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion: 42 Resp: 1955

Ion	Ratio	Lower	Upper
42	100		
74	111.6	87.9	131.9
44	14.1	6.6	9.8#

Instrument :
BNA_E
ClientSampleId :
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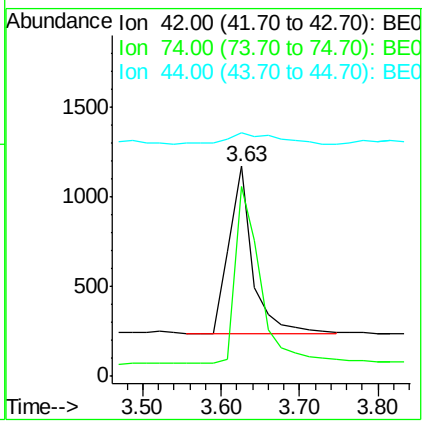
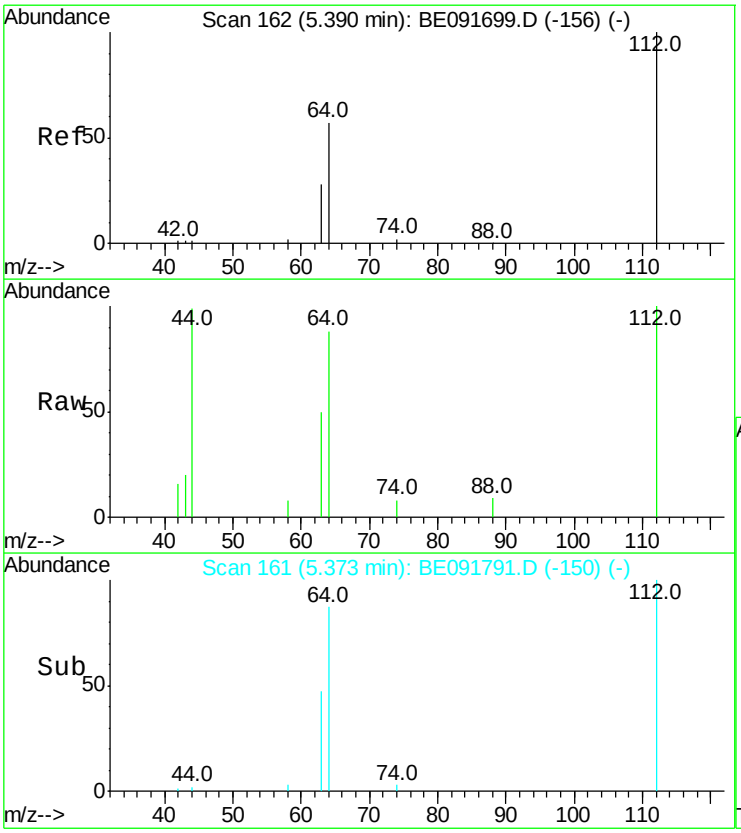
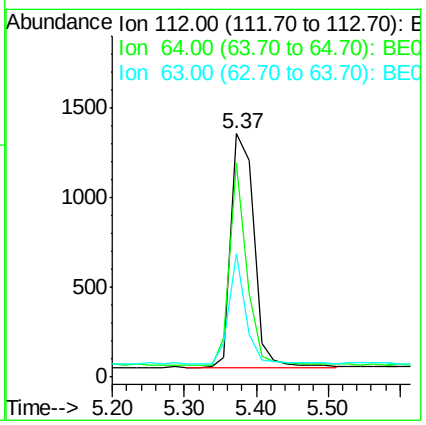


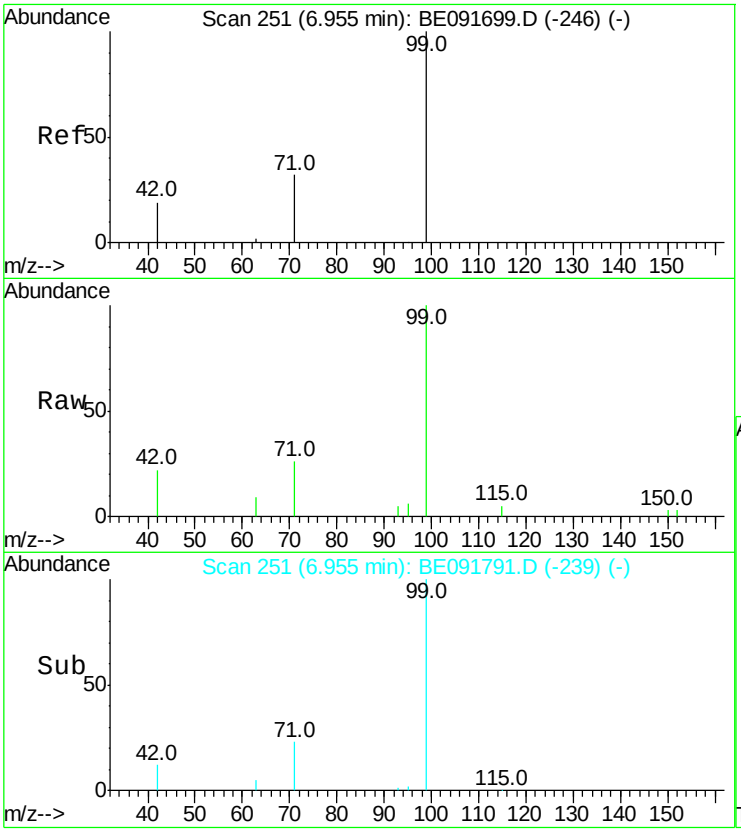


#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.37 min Scan# 161
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:112 Resp: 2867

Ion	Ratio	Lower	Upper
112	100		
64	64.7	30.9	46.3#
63	34.2	16.7	25.1#

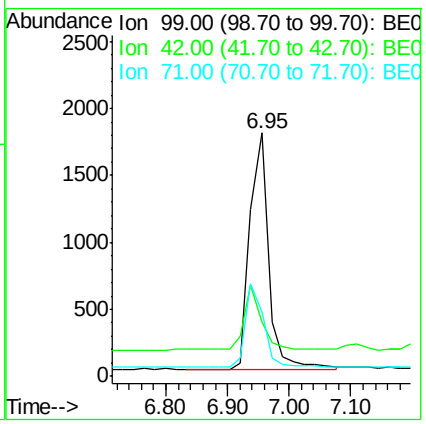




#5
Phenol-d6
Concen: 0.35 ng
RT: 6.95 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion: 99 Resp: 3761

Ion	Ratio	Lower	Upper
99	100		
42	25.1	16.2	24.2#
71	35.3	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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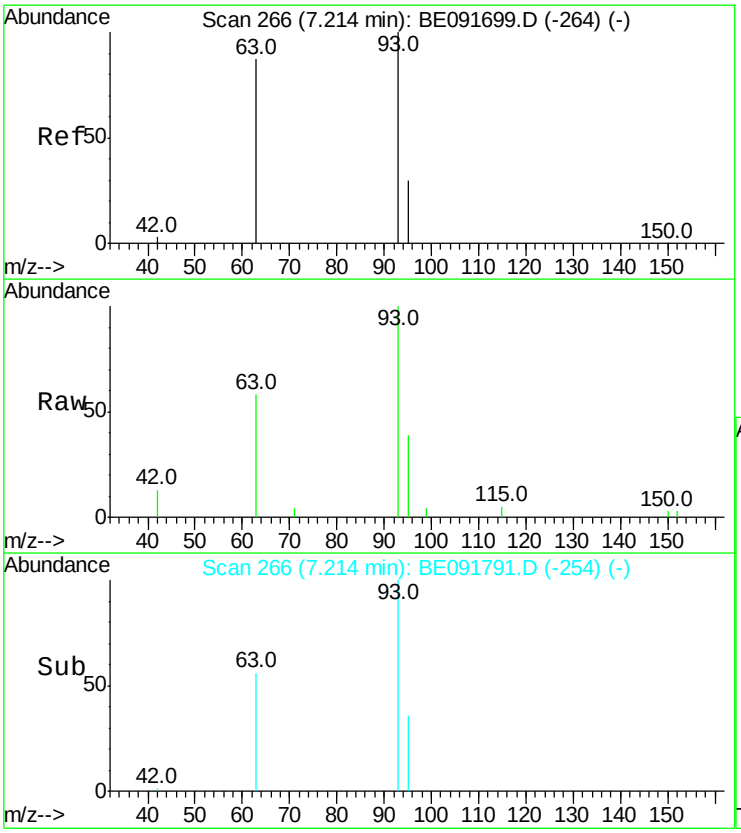
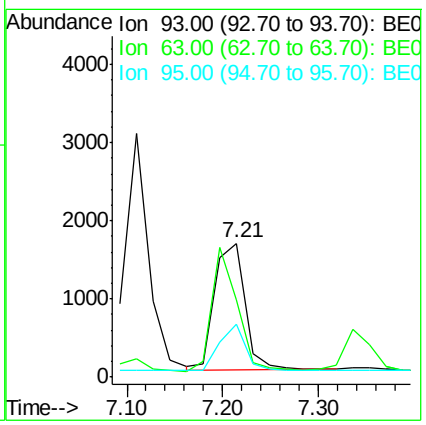
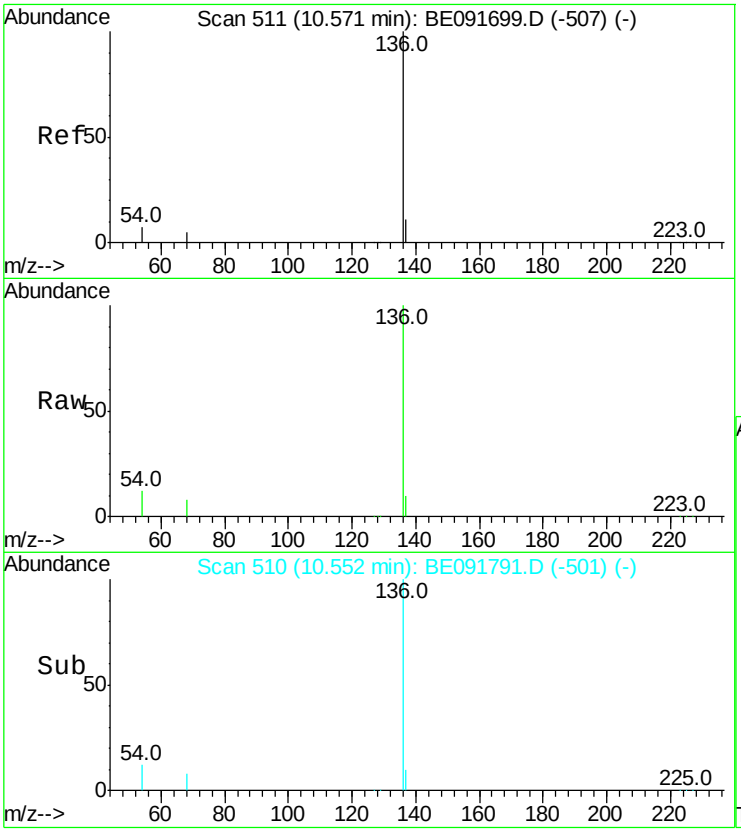


#6
bis(2-Chloroethyl)ether
Concen: 0.38 ng
RT: 7.21 min Scan# 266
Delta R.T. 0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion: 93 Resp: 3561

Ion	Ratio	Lower	Upper
93	100		
63	81.7	49.5	74.3#
95	32.2	22.2	33.4

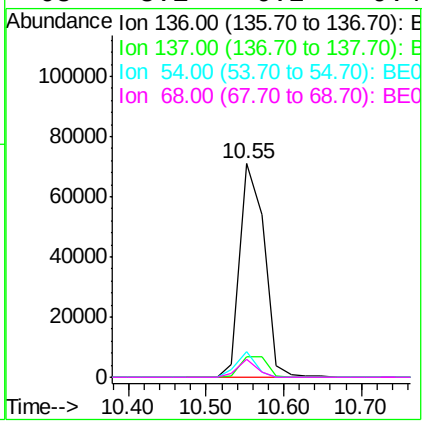




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:136 Resp: 154986

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	11.9	8.2	12.4
68	8.1	6.2	9.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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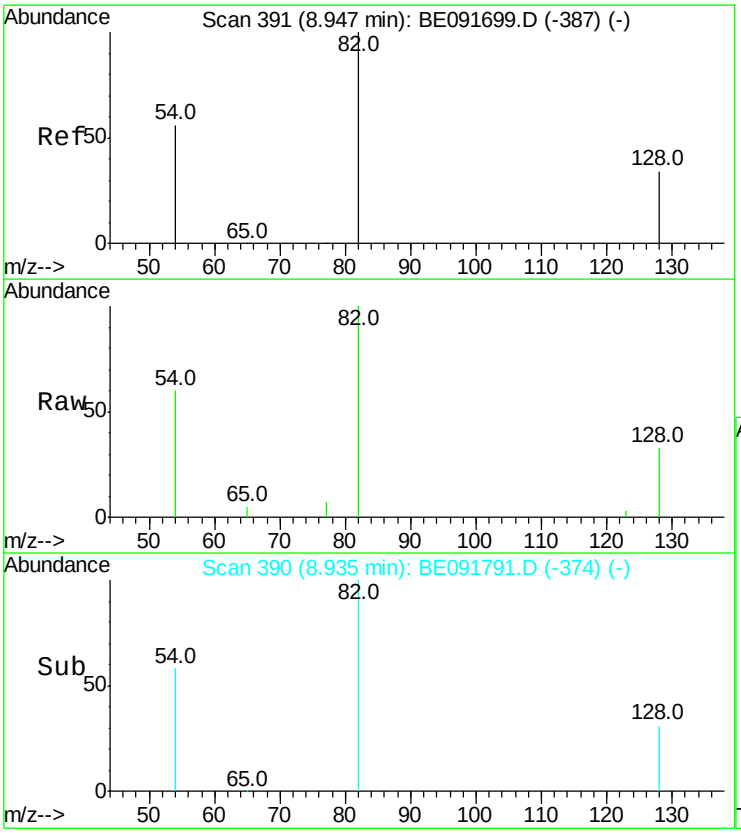
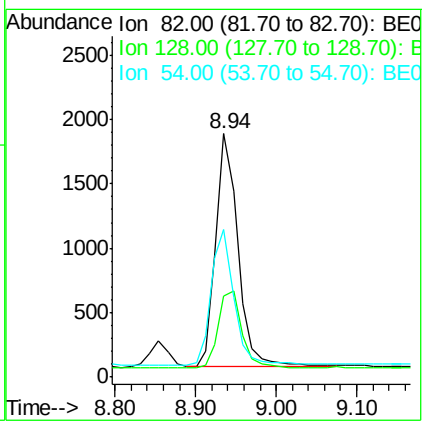
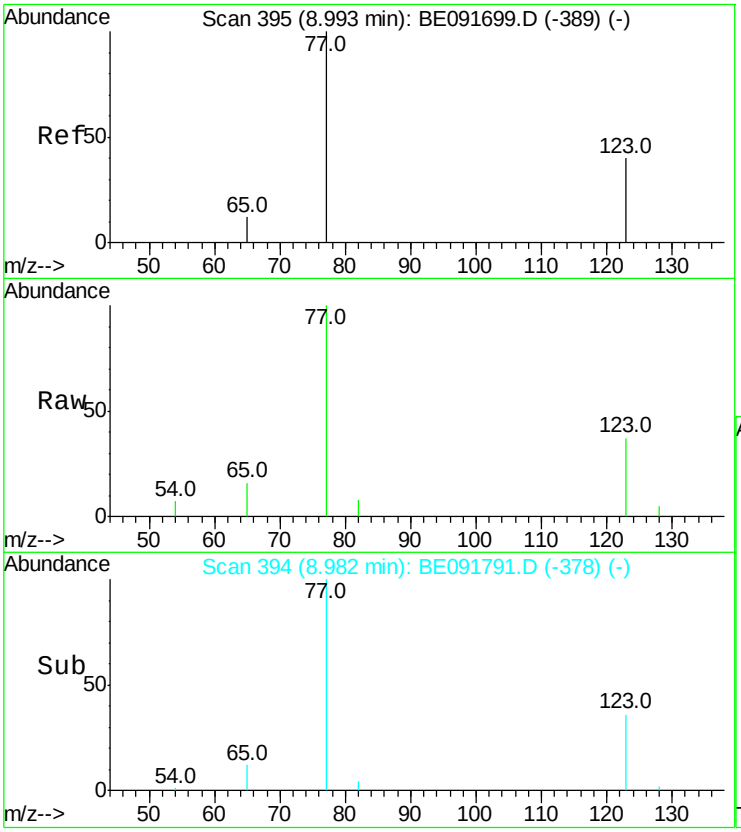


#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.94 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion: 82 Resp: 3501

Ion	Ratio	Lower	Upper
82	100		
128	33.2	25.4	38.0
54	60.4	48.4	72.6

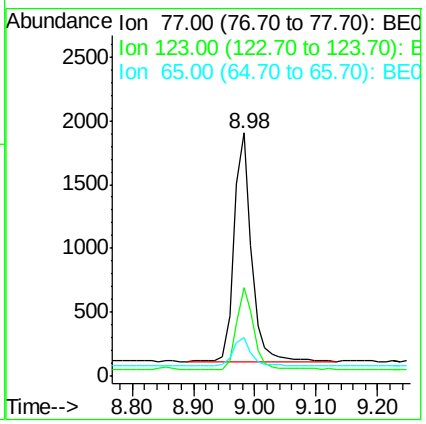




#9
Nitrobenzene
Concen: 0.34 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion: 77 Resp: 3516

Ion	Ratio	Lower	Upper
77	100		
123	36.7	26.9	40.3
65	14.2	9.4	14.2#



Instrument :
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ClientSampleId :
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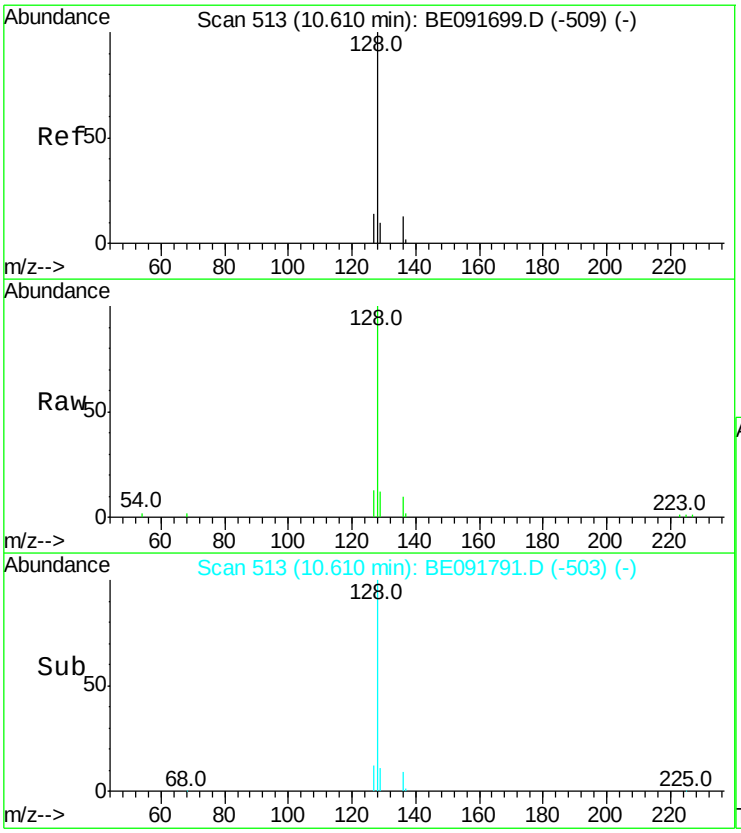
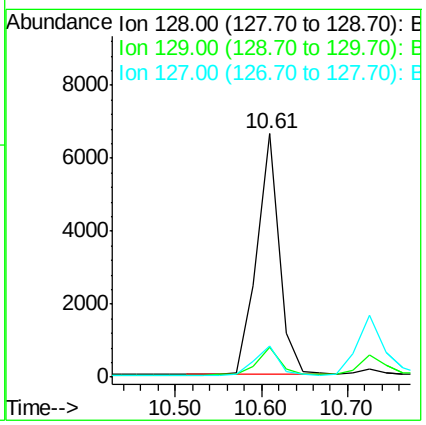
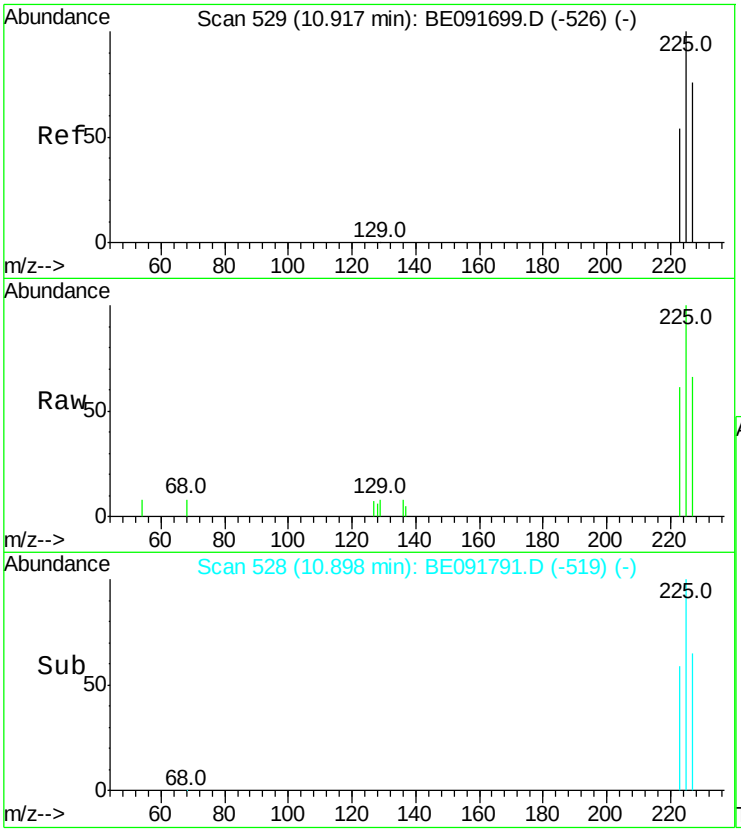


#10
Naphthalene
Concen: 0.38 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:128 Resp: 11947

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.3	13.9
127	12.9	10.7	16.1

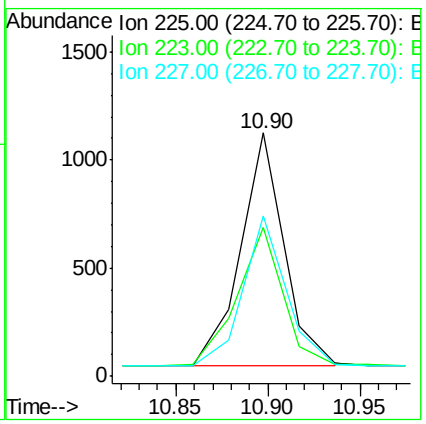




#11
Hexachlorobutadiene
Concen: 0.38 ng m
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:225 Resp: 1768

Ion	Ratio	Lower	Upper
225	100		
223	99.3	49.0	73.6#
227	100.5	50.3	75.5#



Instrument :
BNA_E
ClientSampleId :
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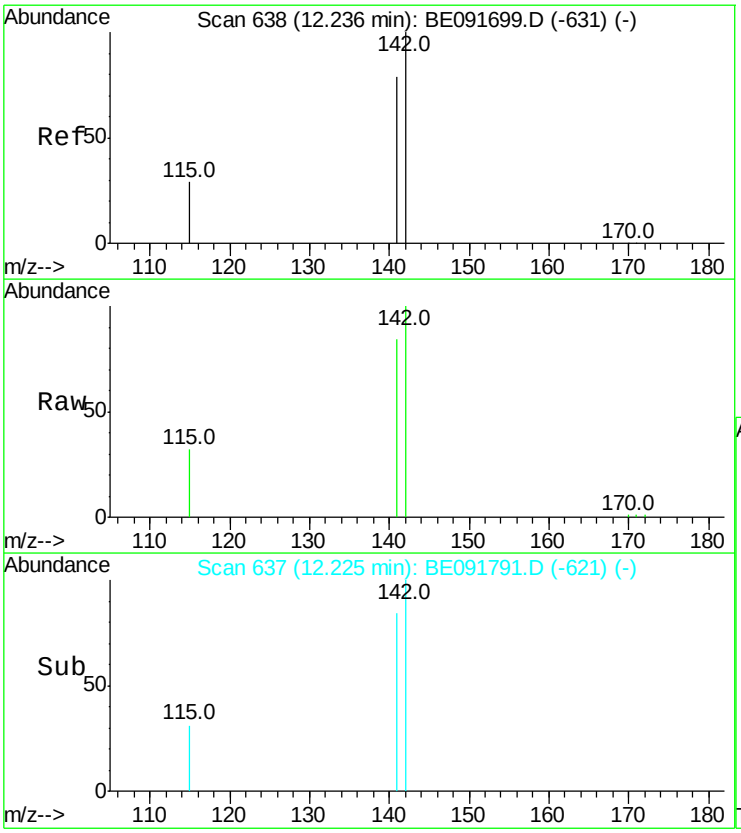
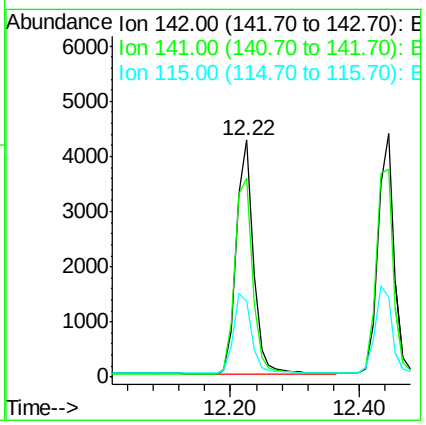
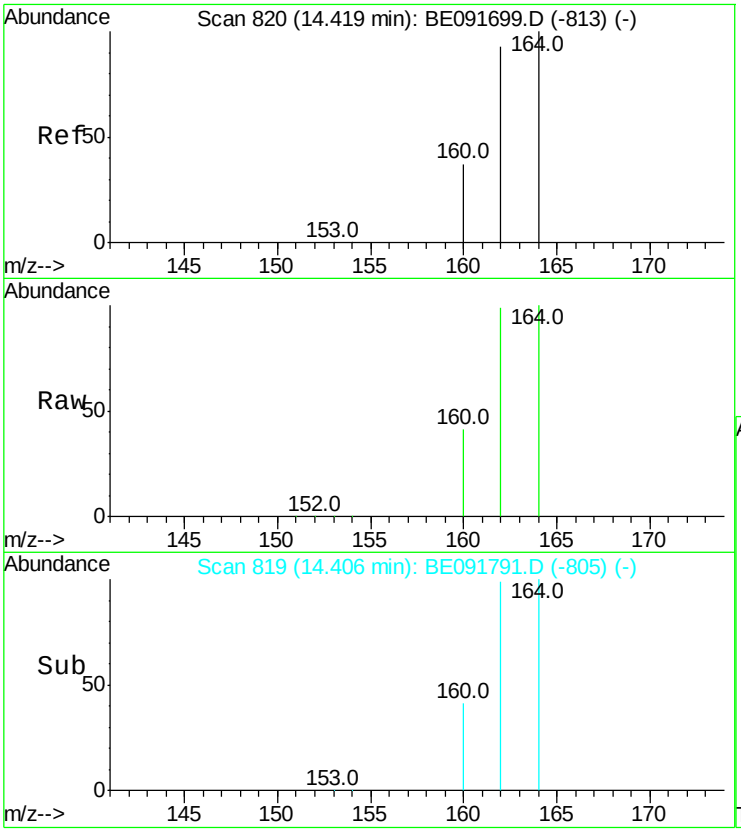


#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.22 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:142 Resp: 7632

Ion	Ratio	Lower	Upper
142	100		
141	83.9	71.4	107.0
115	32.3	30.3	45.5

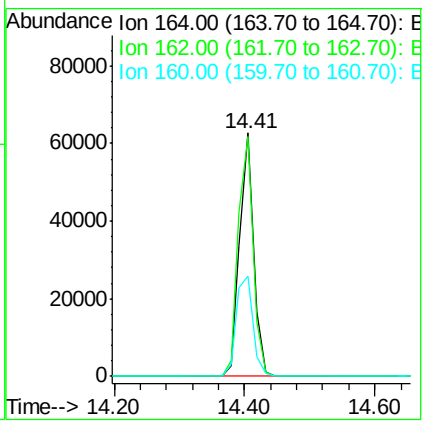




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:164 Resp: 94783

Ion	Ratio	Lower	Upper
164	100		
162	98.7	85.3	127.9
160	41.2	46.2	69.2#



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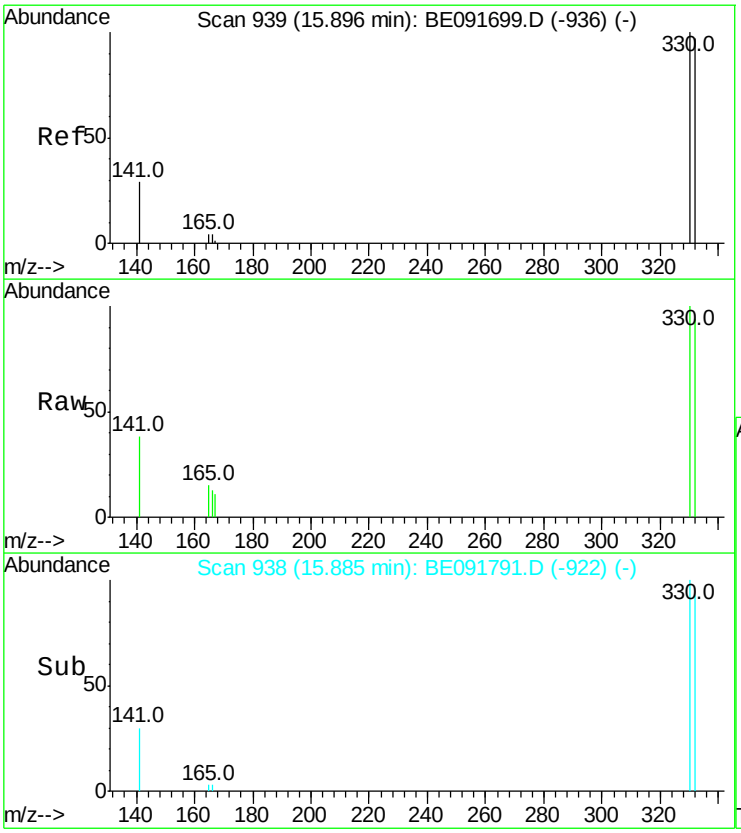
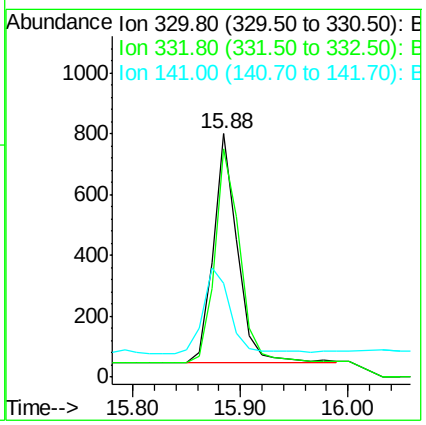
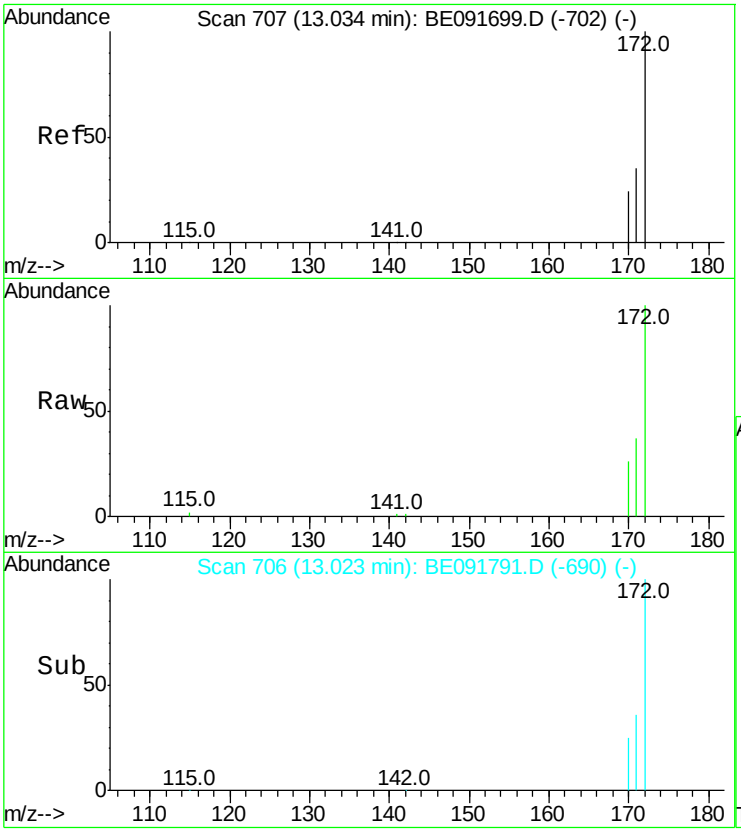


#14
2,4,6-Tribromophenol
Concen: 0.49 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:330 Resp: 1181

Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	41.8	125.4	188.0#

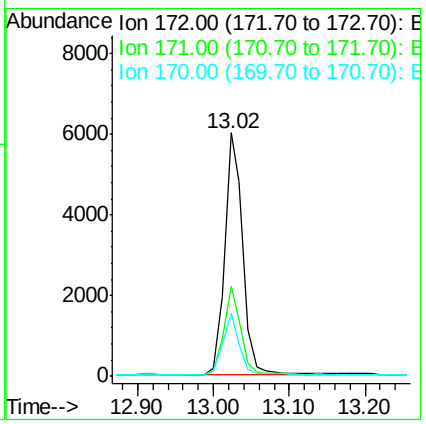




#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:172 Resp: 9997

Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.8	43.2
170	26.0	19.3	28.9



Instrument :
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ClientSampleId :
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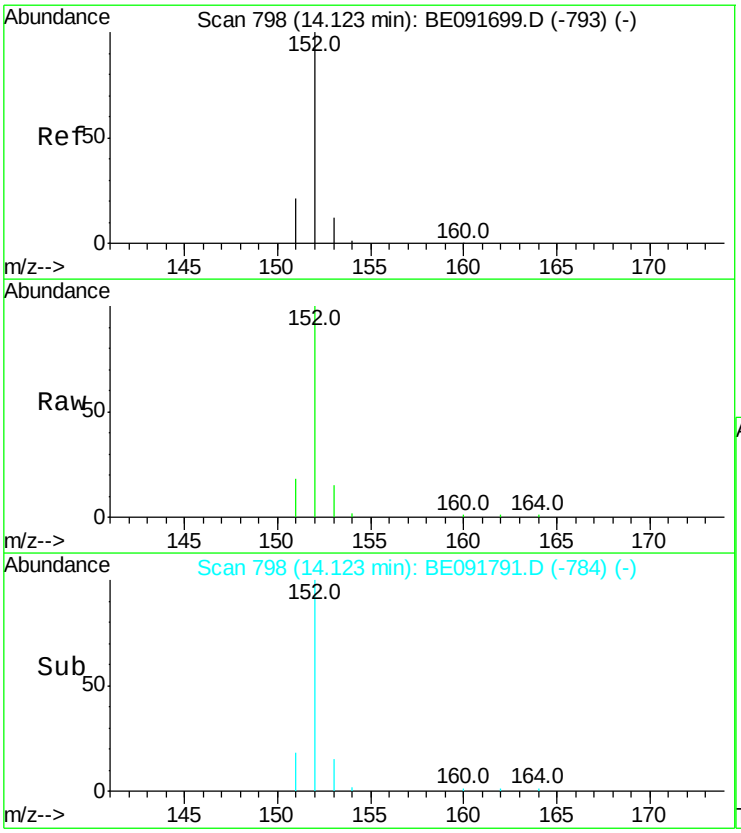
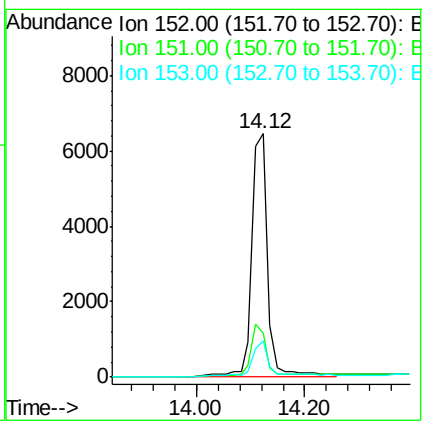
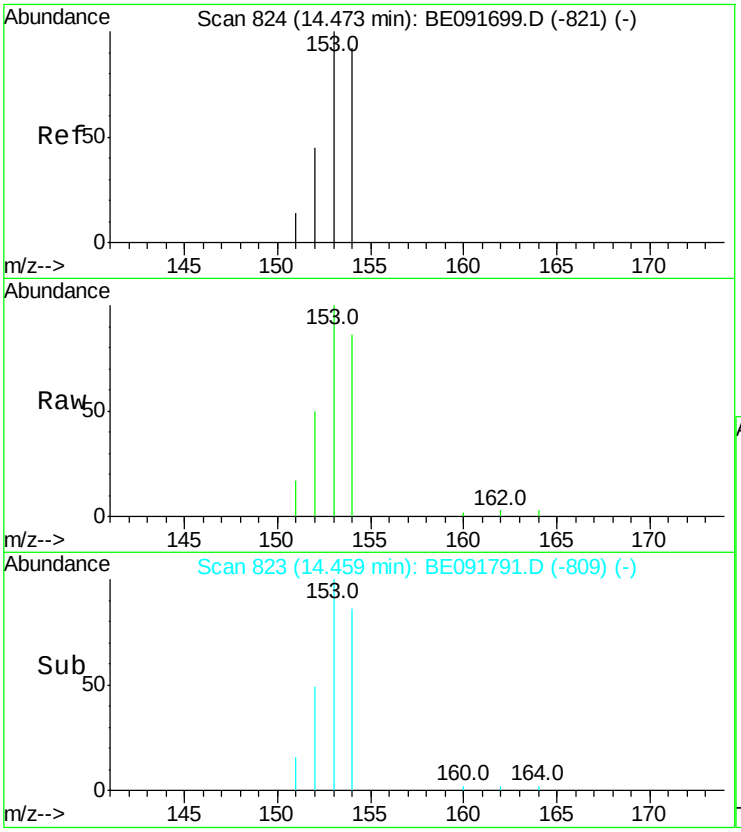


#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:152 Resp: 14365

Ion	Ratio	Lower	Upper
152	100		
151	17.7	3.9	5.9#
153	18.2	10.3	15.5#

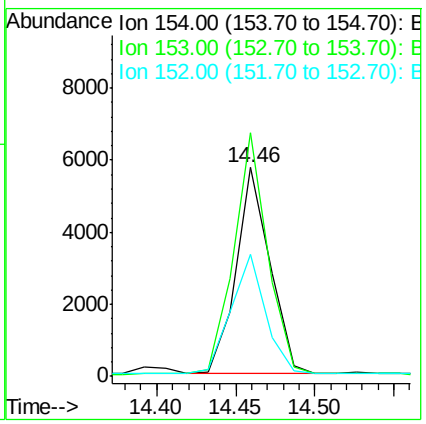




#17
Acenaphthene
Concen: 0.36 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:154 Resp: 8455

Ion	Ratio	Lower	Upper
154	100		
153	118.2	80.0	120.0
152	60.4	40.0	60.0#



Instrument :
BNA_E
ClientSampleId :
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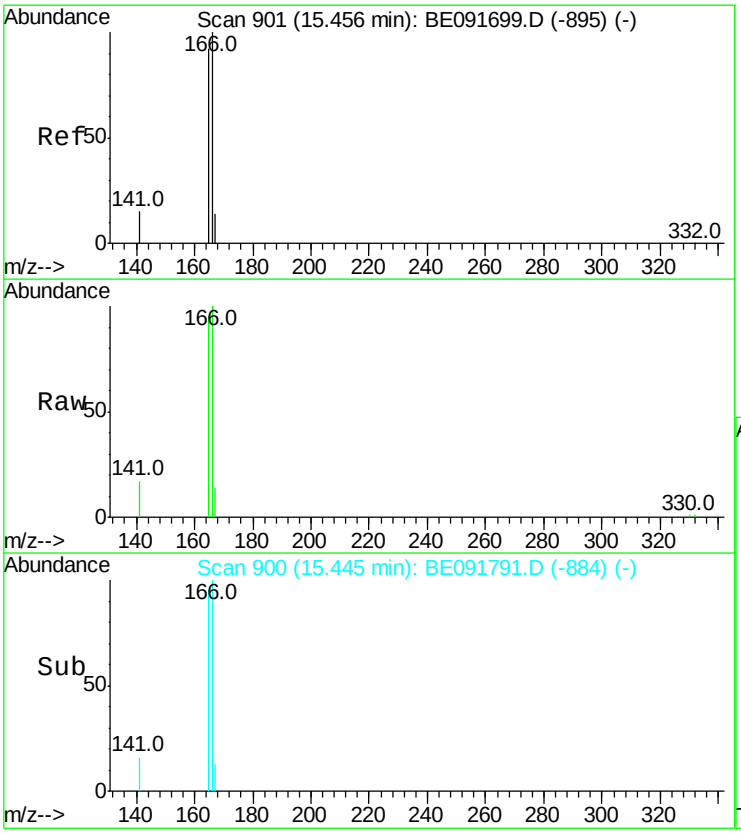
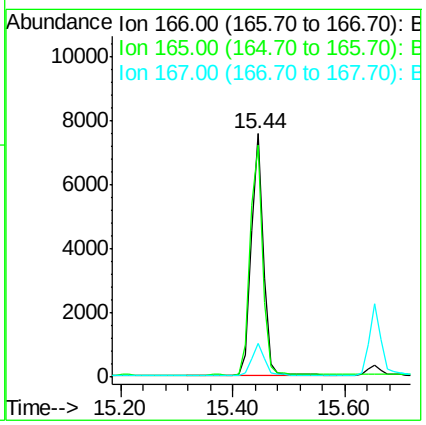
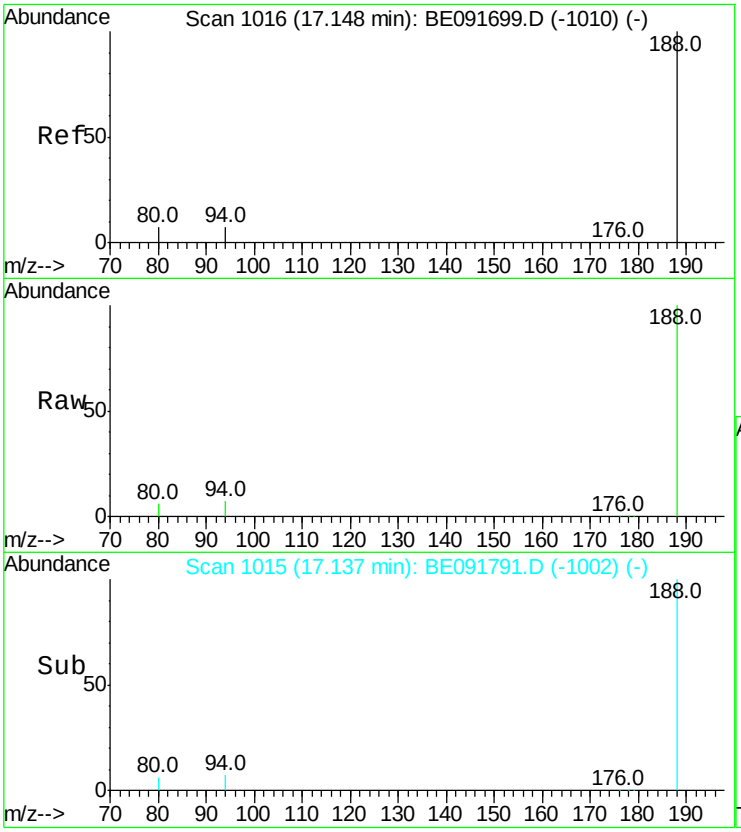


#18
Fluorene
Concen: 0.39 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:166 Resp: 11433

Ion	Ratio	Lower	Upper
166	100		
165	98.9	80.8	121.2
167	13.5	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:188 Resp: 256789

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.7	13.1#
80	6.3	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
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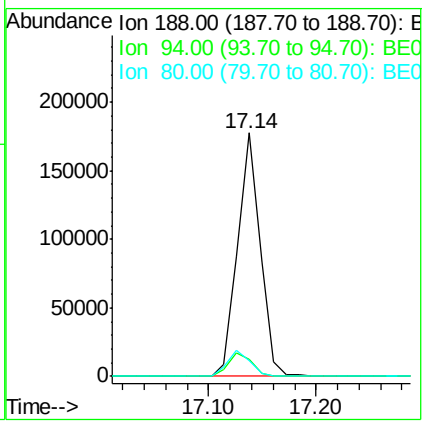
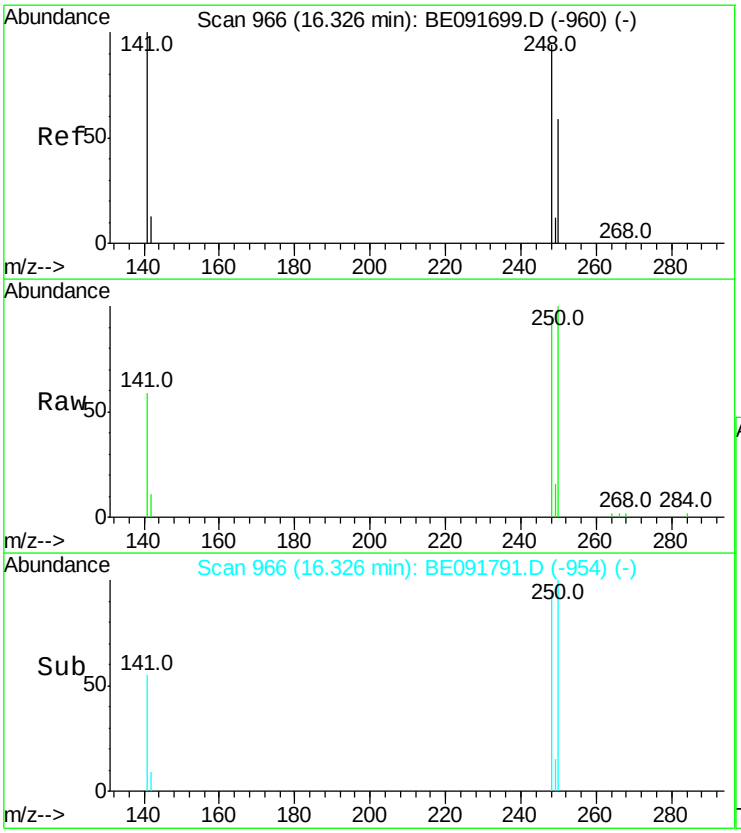
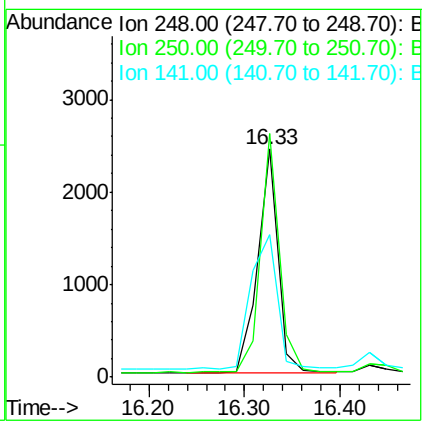


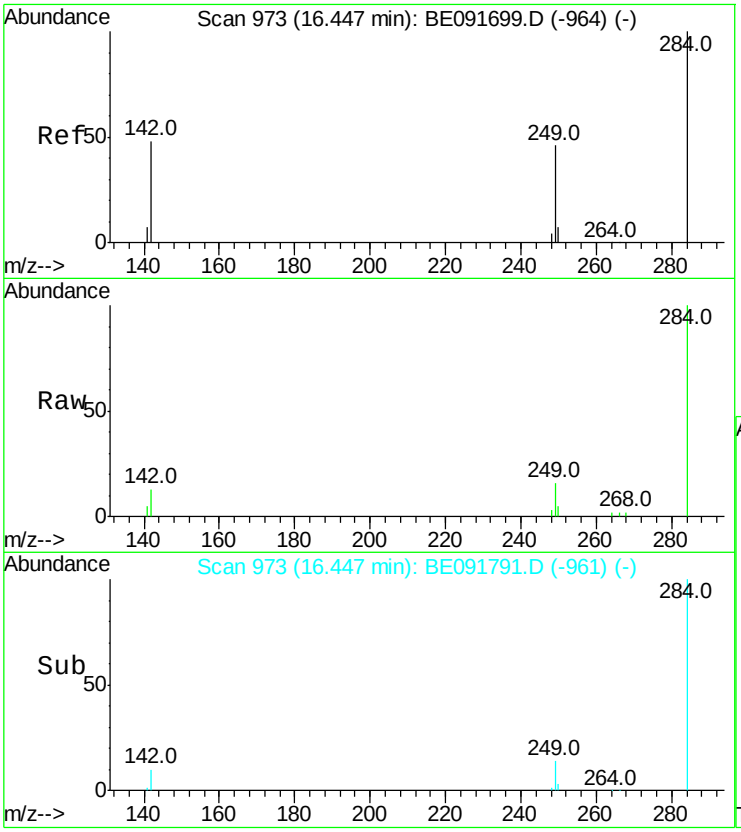


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:248 Resp: 3541

Ion	Ratio	Lower	Upper
248	100		
250	99.9	80.5	120.7
141	79.6	72.0	108.0

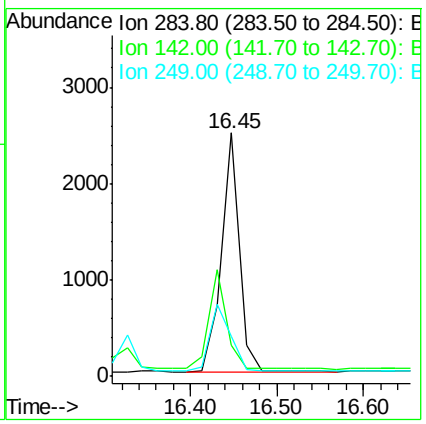




#21
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:284 Resp: 3592

Ion	Ratio	Lower	Upper
284	100		
142	40.7	32.2	48.2
249	32.2	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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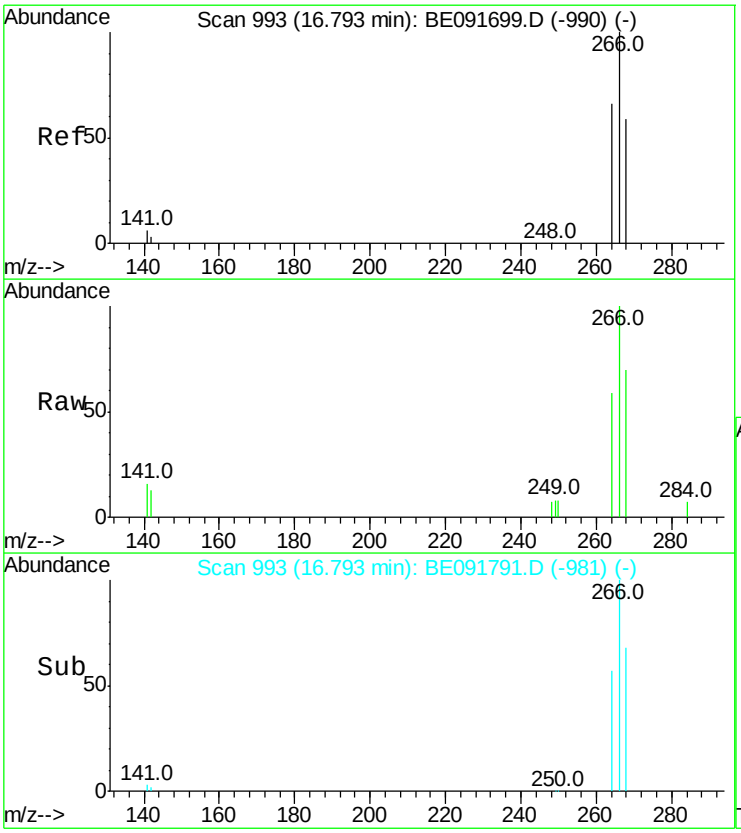
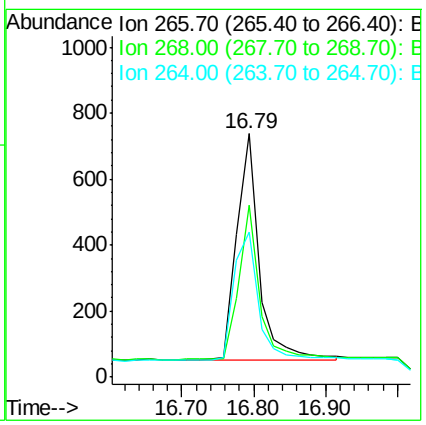
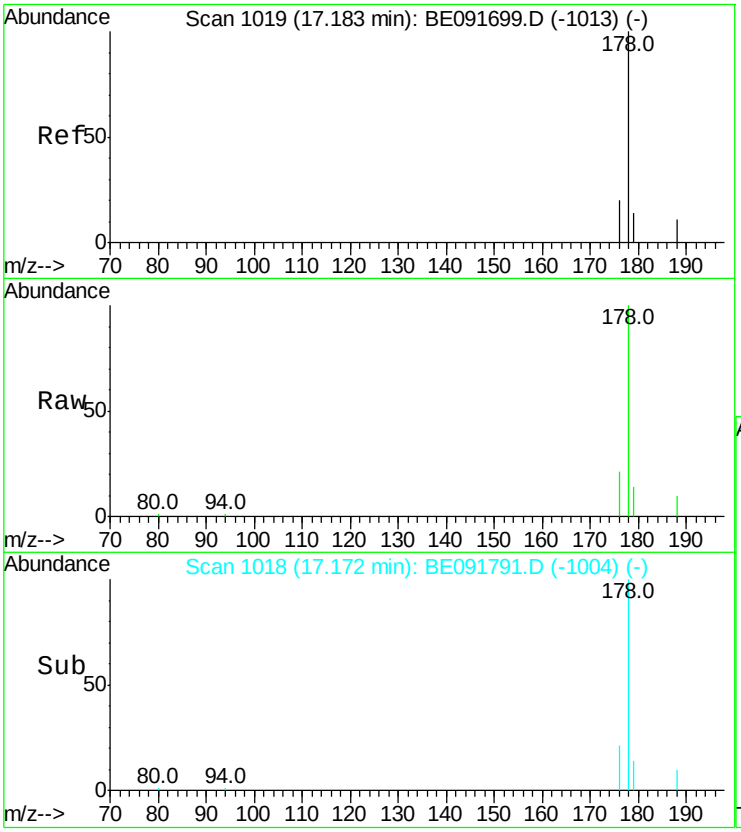


#22
Pentachlorophenol
Concen: 0.39 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:266 Resp: 1472

Ion	Ratio	Lower	Upper
266	100		
268	70.5	58.2	87.2
264	59.3	56.2	84.4

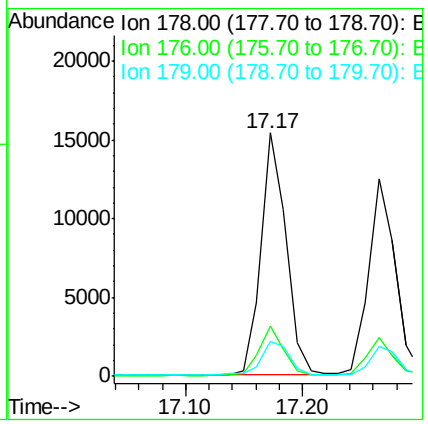




#23
Phenanthrene
Concen: 0.40 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:178 Resp: 23188

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.7	12.6	18.8



Instrument :
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ClientSampleId :
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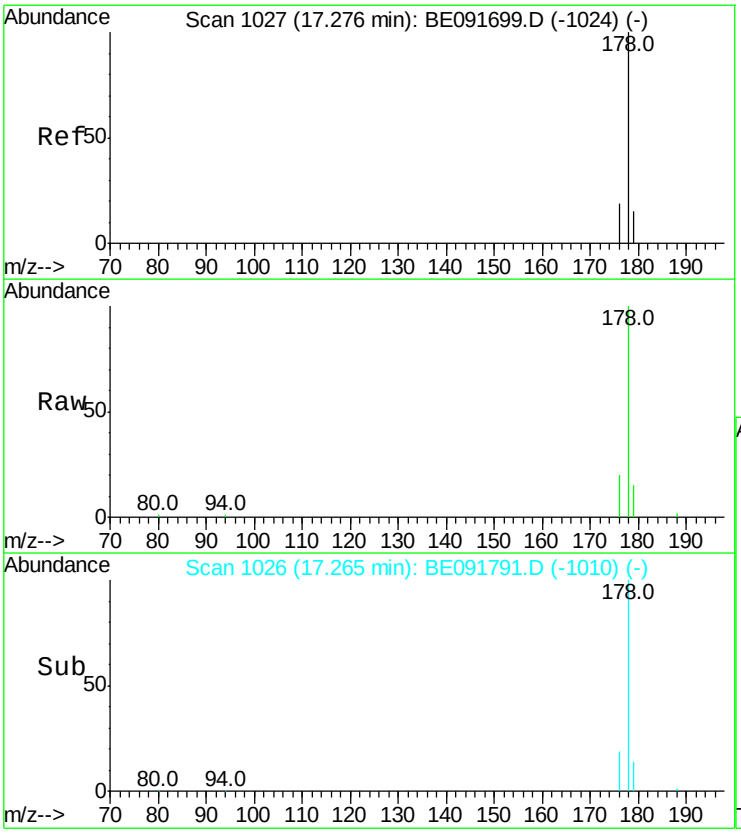
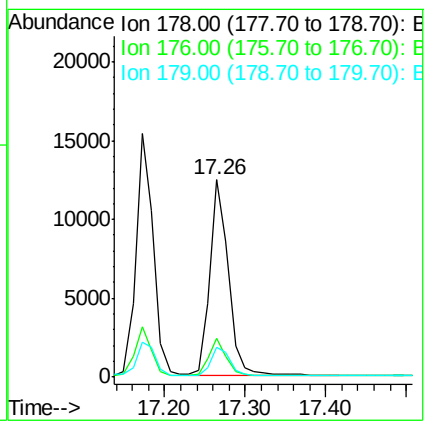
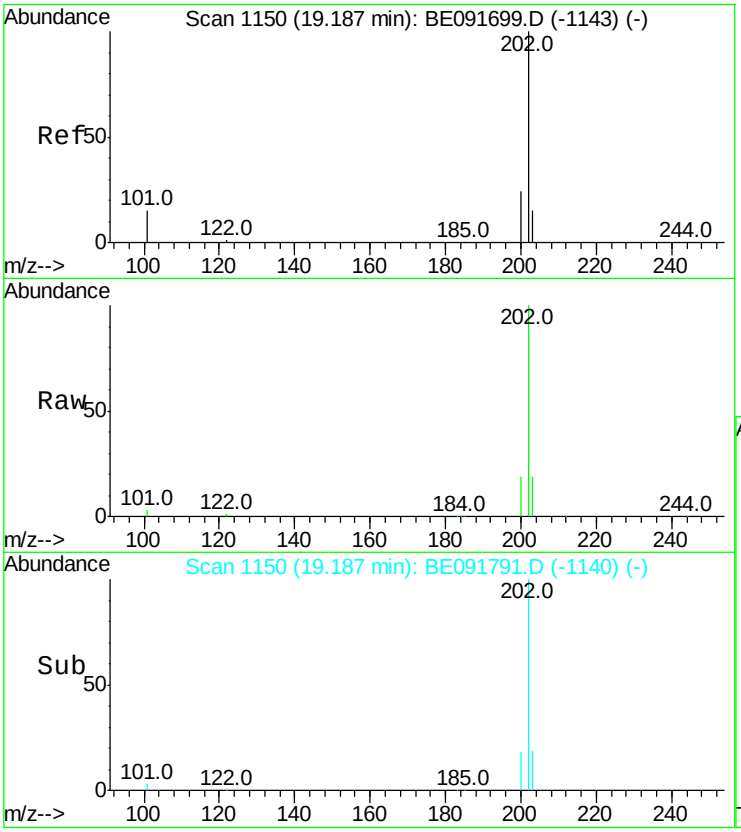


#24
Anthracene
Concen: 0.38 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:178 Resp: 20095

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.0	11.8	17.6





#25
Fluoranthene
Concen: 0.43 ng
RT: 19.19 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:202 Resp: 26158

Ion	Ratio	Lower	Upper
202	100		
101	10.8	11.0	16.6#
203	17.7	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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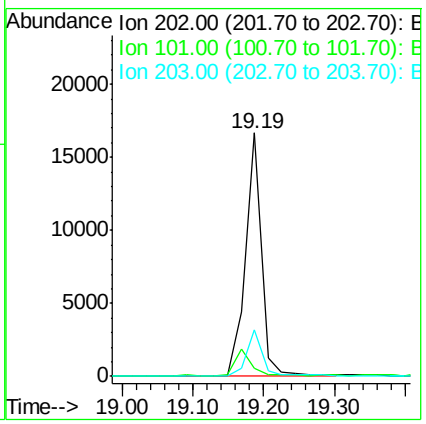
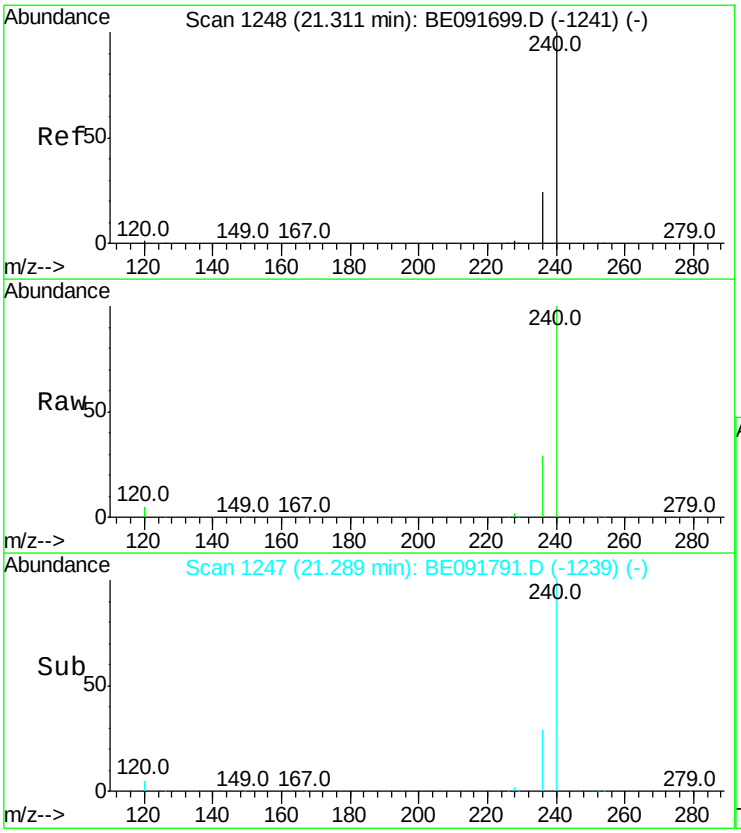
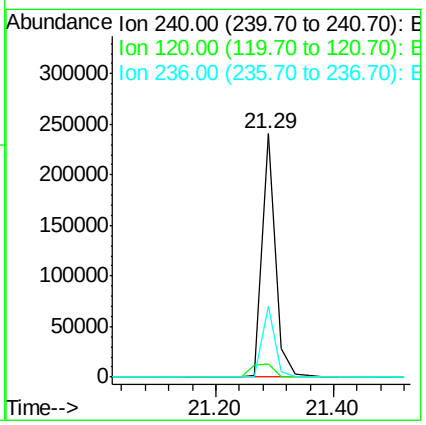


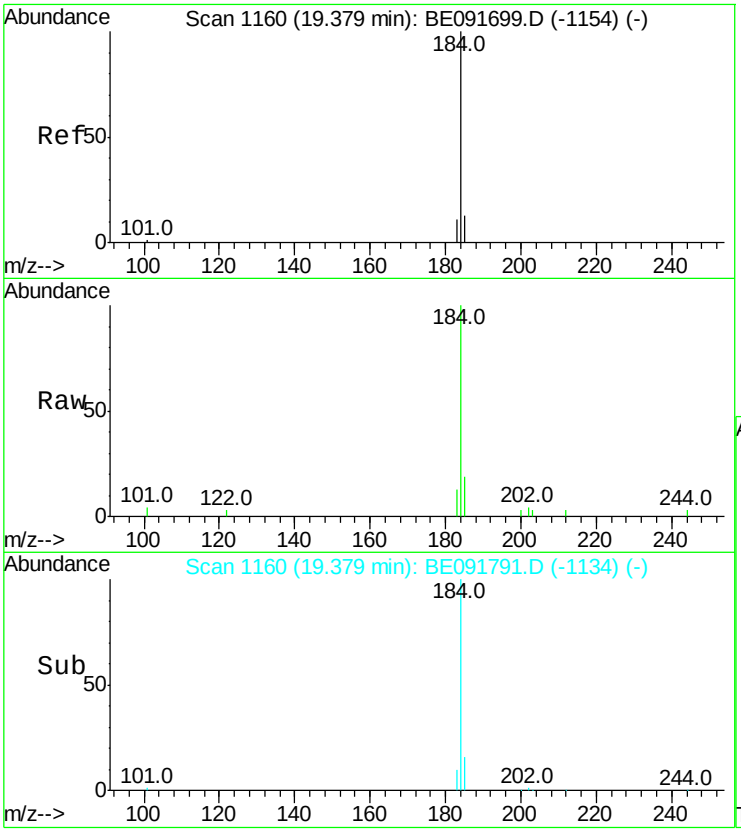


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:240 Resp: 382256

Ion	Ratio	Lower	Upper
240	100		
120	5.3	11.0	16.4#
236	29.3	21.7	32.5

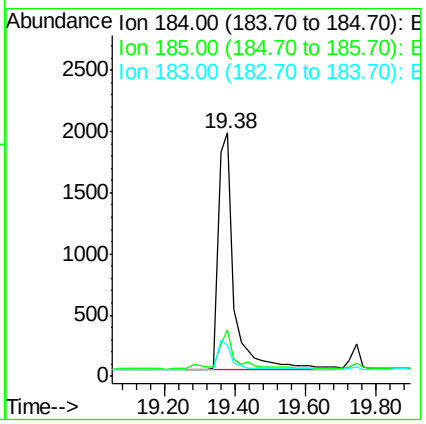




#27
Benzidine
Concen: 0.35 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:184 Resp: 5959

Ion	Ratio	Lower	Upper
184	100		
185	19.0	22.3	33.5#
183	12.5	16.4	24.6#



Instrument :
BNA_E
ClientSampleId :
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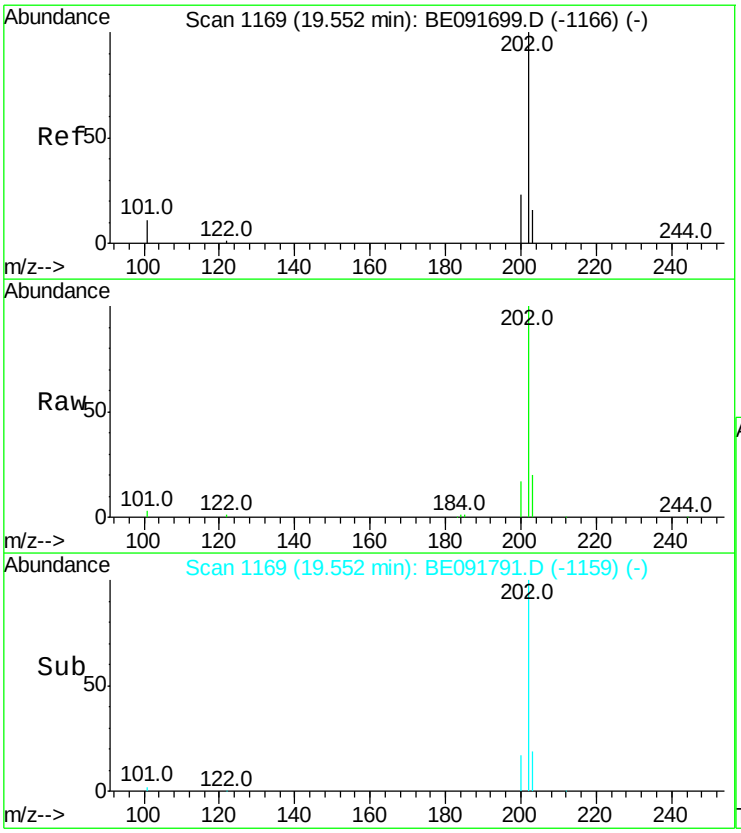
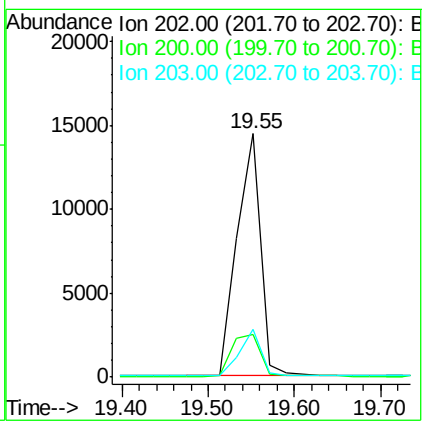
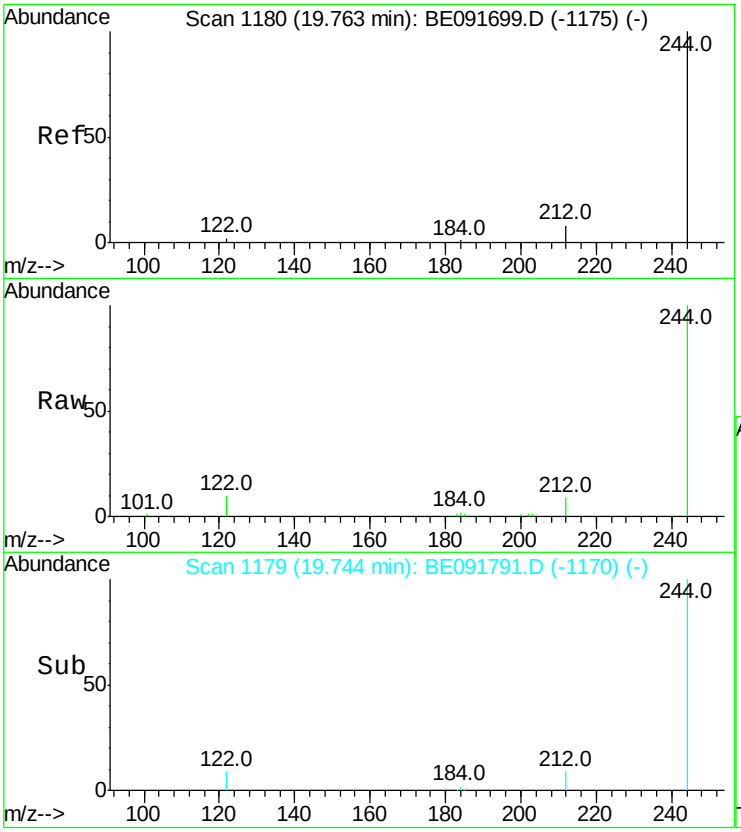


#28
Pyrene
Concen: 0.32 ng
RT: 19.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:202 Resp: 27329

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.6	14.0	21.0





#29
Terphenyl-d14
Concen: 0.30 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:244 Resp: 17904

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.9	10.3
122	9.8	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
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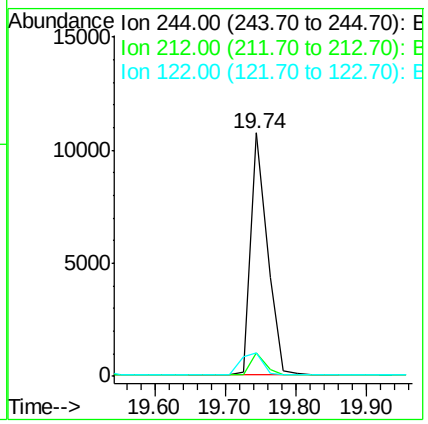
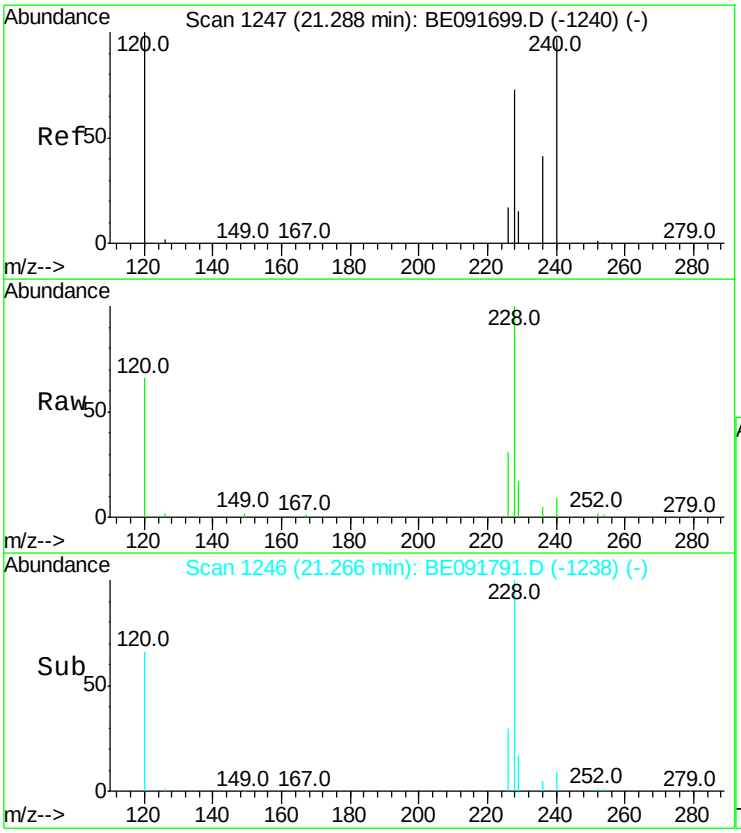
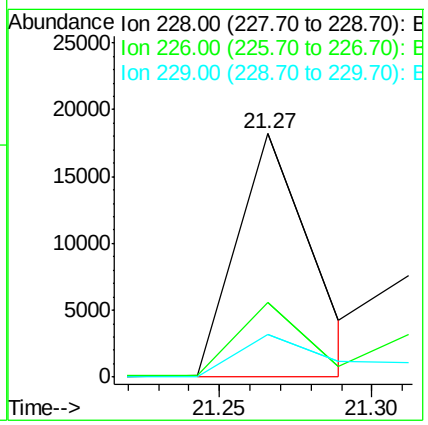


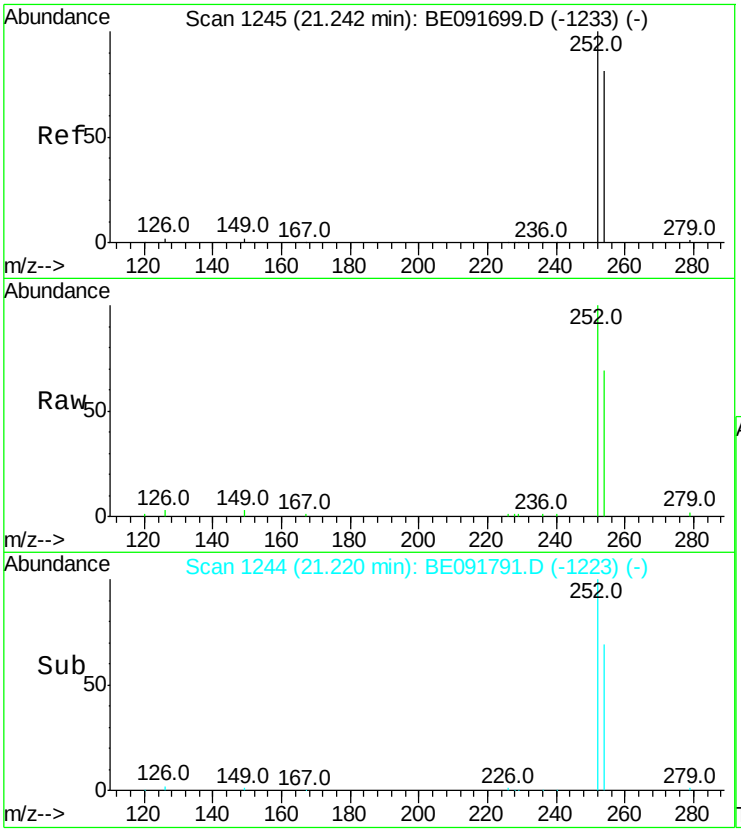


#30
Benzo(a)anthracene
Concen: 0.33 ng m
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:228 Resp: 31026

Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.0	31.4
229	17.4	15.7	23.5

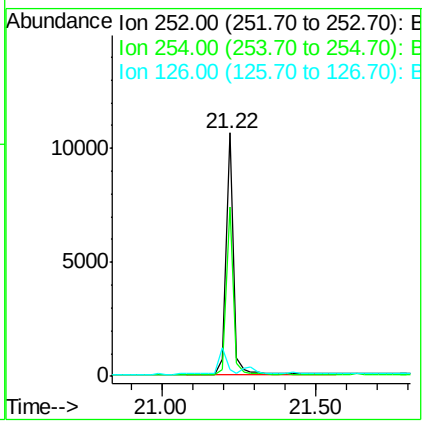




#31
3,3'-Dichlorobenzidine
Concen: 0.37 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:252 Resp: 17834

Ion	Ratio	Lower	Upper
252	100		
254	69.5	51.1	76.7
126	2.7	12.6	18.8#



Instrument :
BNA_E
ClientSampleId :
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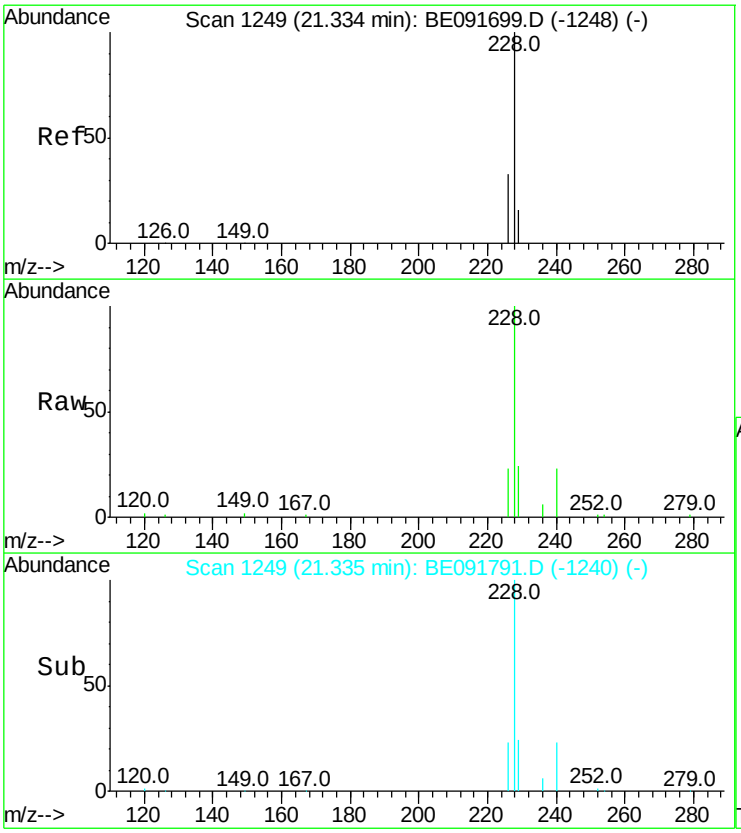
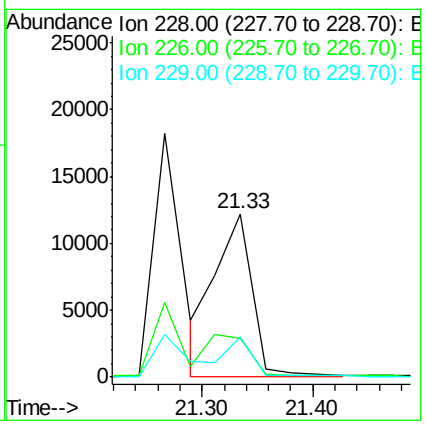
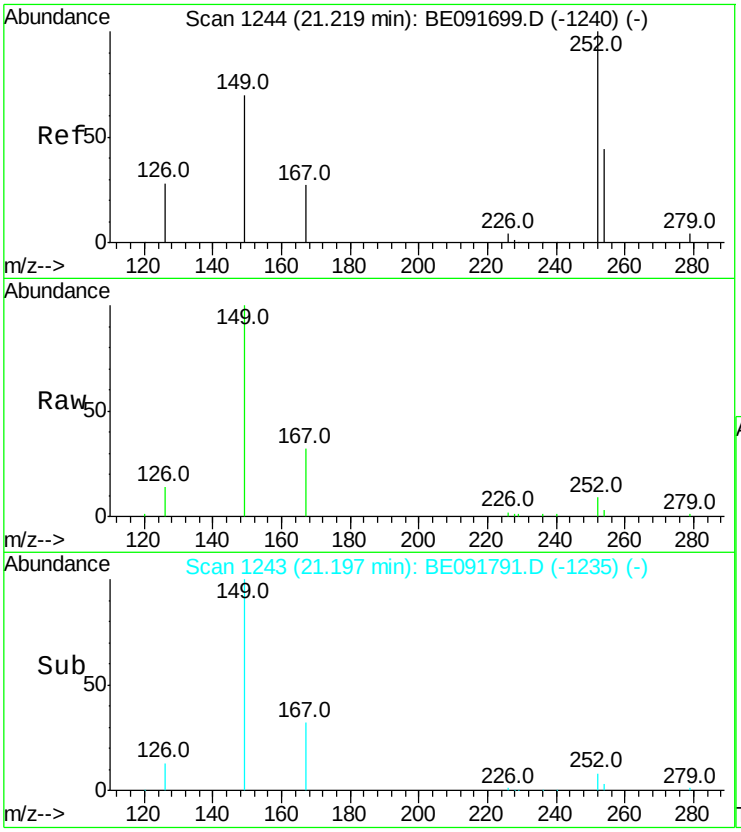


#32
Chrysene
Concen: 0.30 ng m
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:228 Resp: 29151

Ion	Ratio	Lower	Upper
228	100		
226	23.4	24.0	36.0#
229	24.3	15.9	23.9#

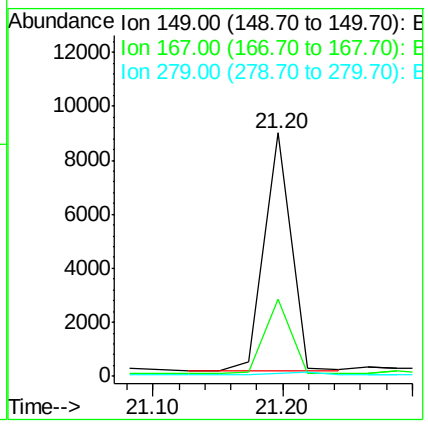




#33
Bis(2-ethylhexyl)phthalate
Concen: 0.45 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:149 Resp: 12752

Ion	Ratio	Lower	Upper
149	100		
167	31.1	19.5	29.3#
279	0.0	10.0	15.0#



Instrument :
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ClientSampleId :
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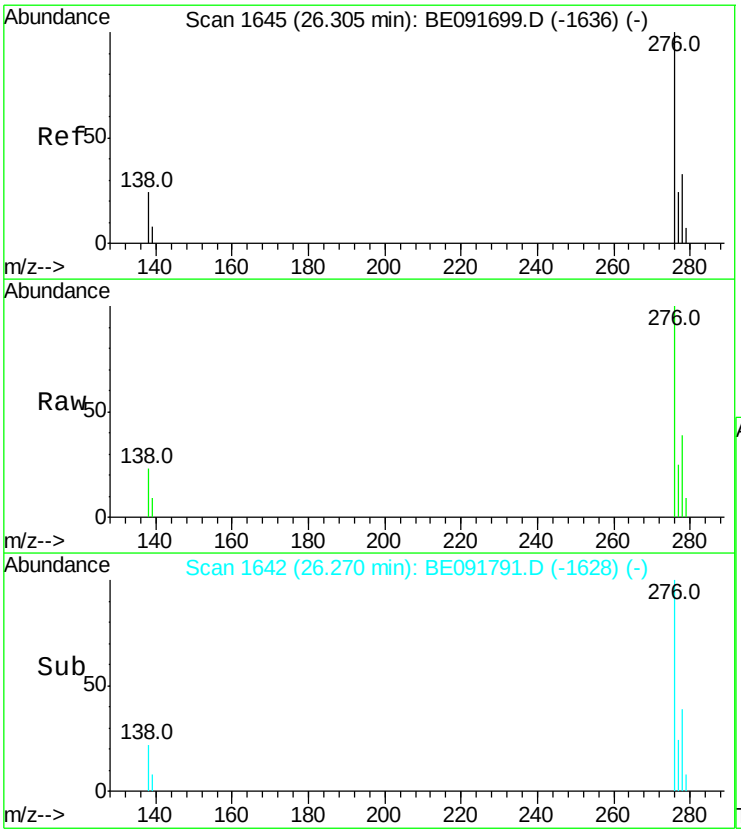
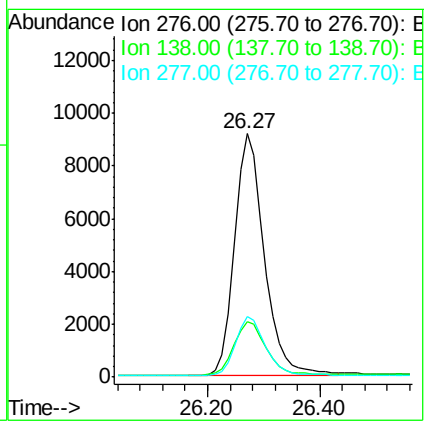
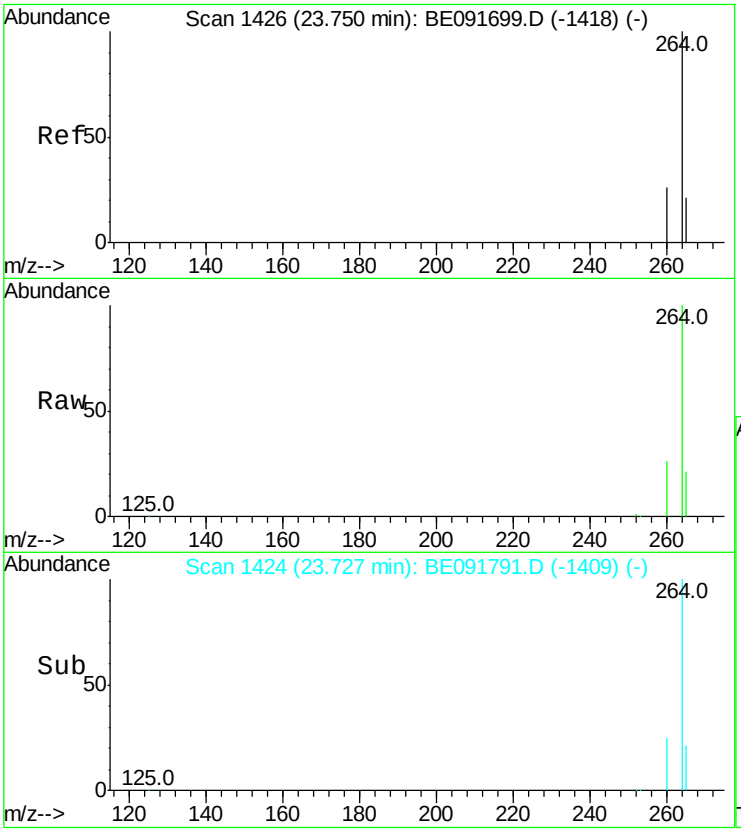


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:276 Resp: 34315

Ion	Ratio	Lower	Upper
276	100		
138	24.0	23.4	35.2
277	24.5	19.8	29.8

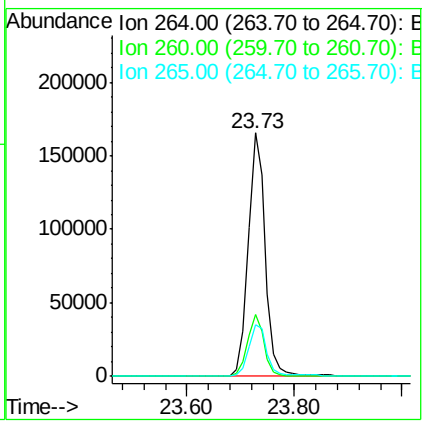




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:264 Resp: 365867

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.0	30.0
265	21.1	17.5	26.3



Instrument :
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ClientSampleId :
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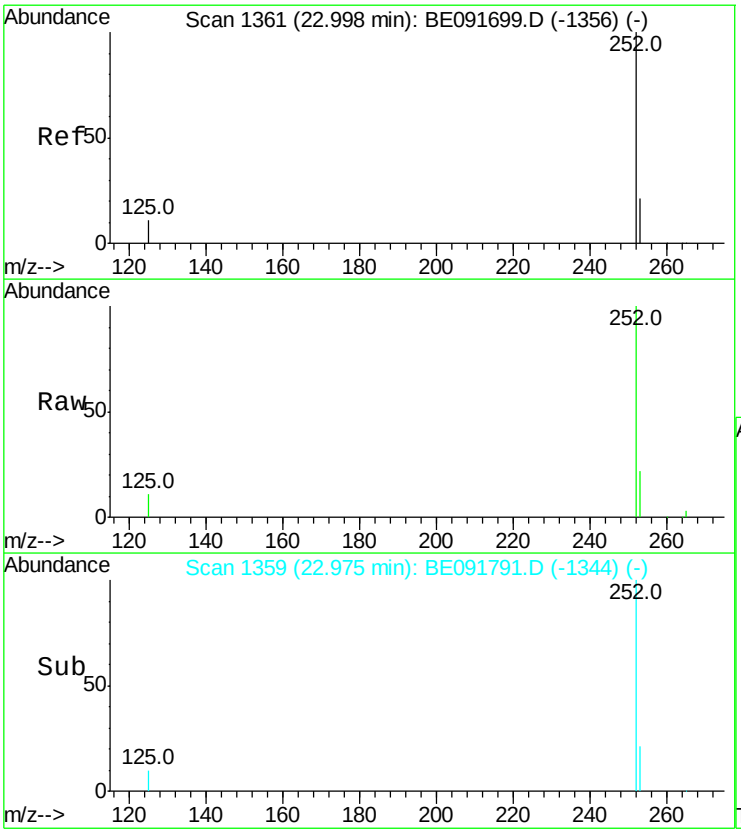
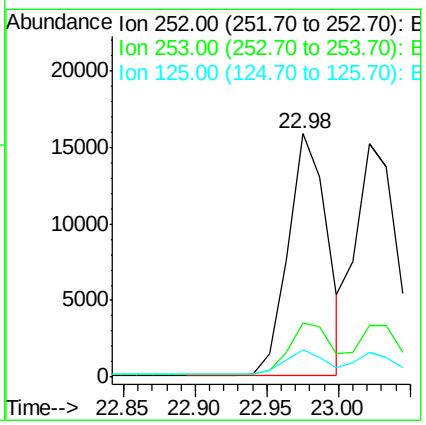
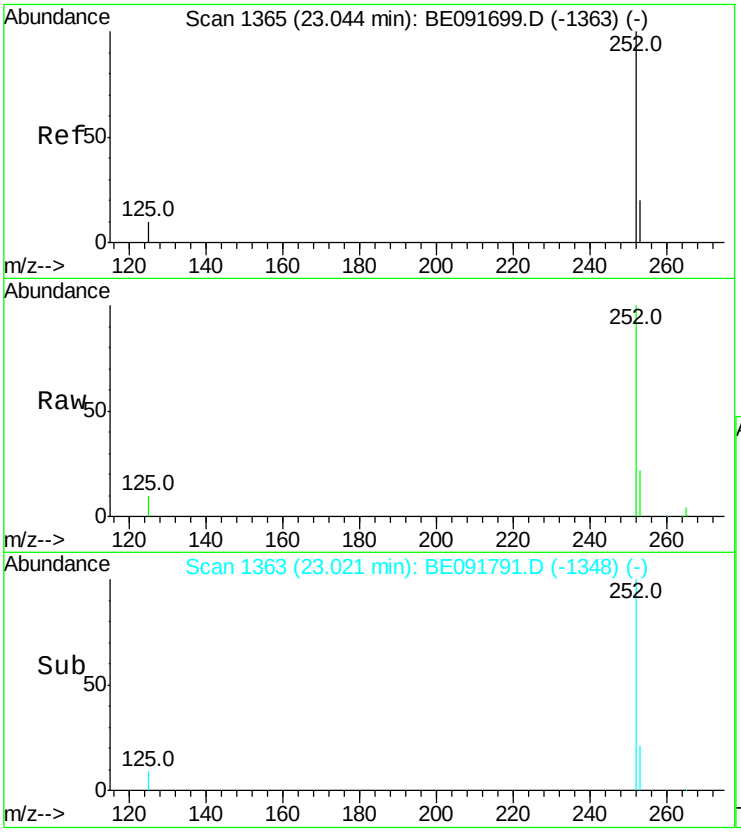


#36
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 22.98 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:252 Resp: 29912

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	11.5	10.2	15.2

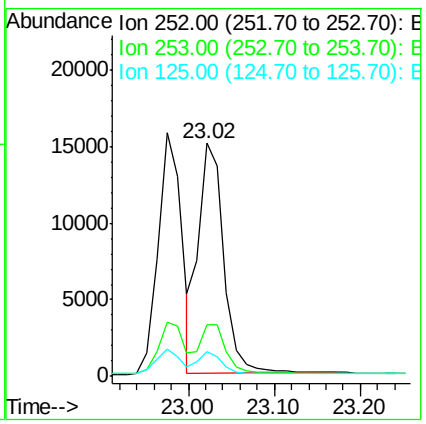




#37
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.02 min Scan# 1363
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

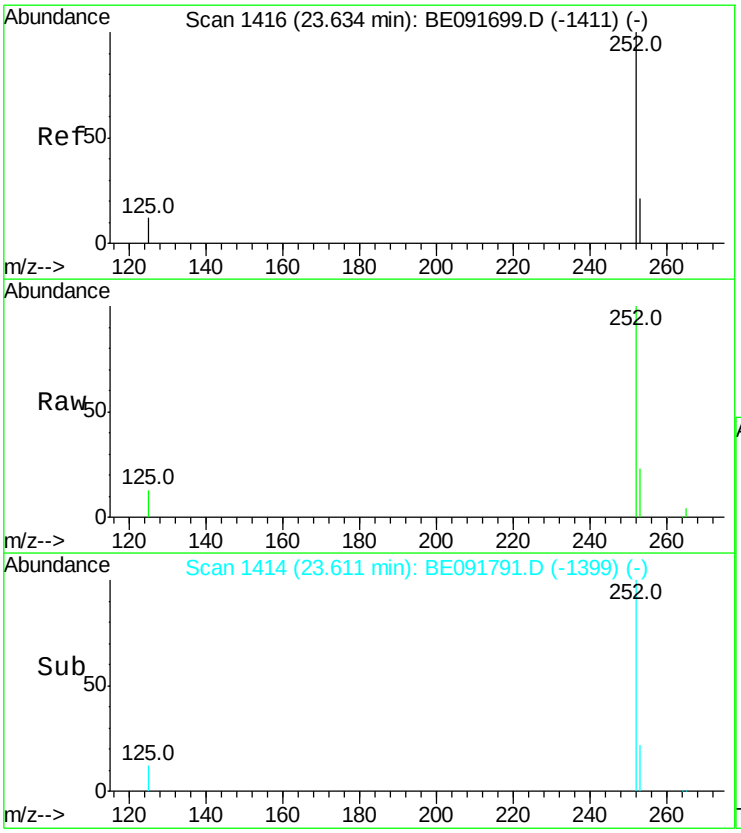
Tgt Ion:252 Resp: 30838

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.4	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

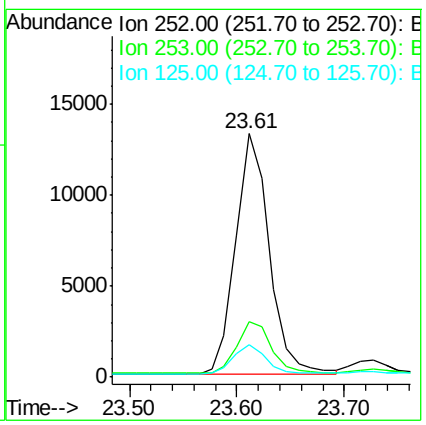
Manual Integrations APPROVED
sohil
5/19/2016 7:02:23 PM

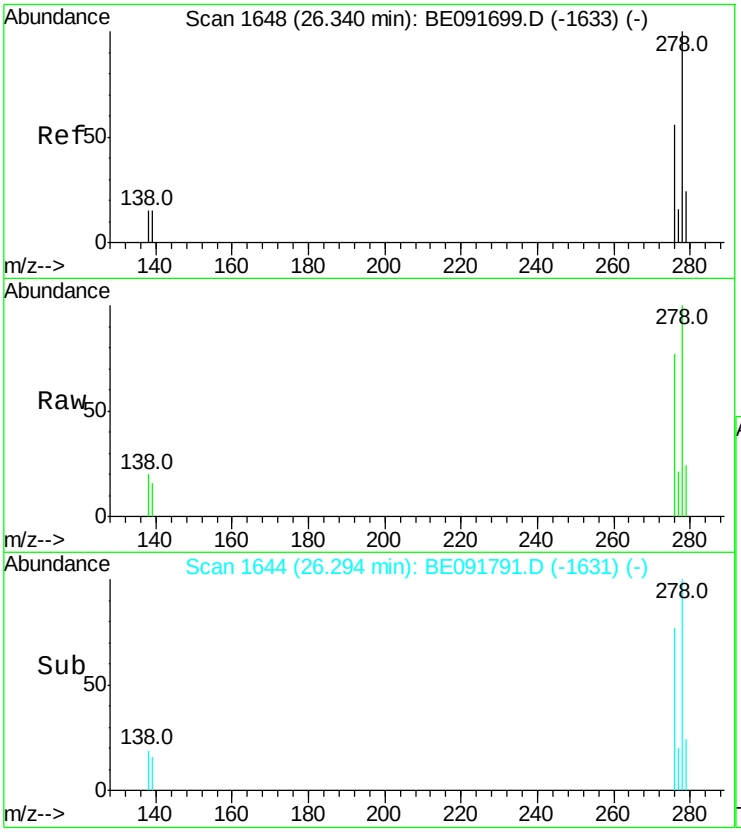


#38
Benzo(a)pyrene
Concen: 0.36 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:252 Resp: 28899

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.5	11.0	16.4

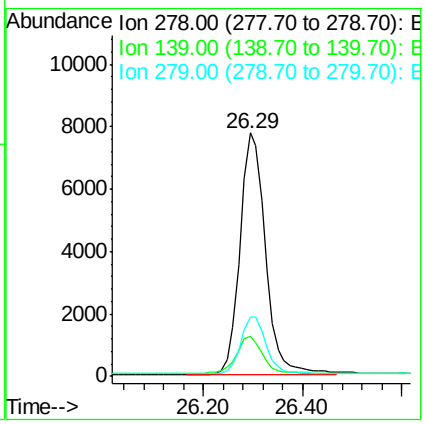




#39
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.05 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

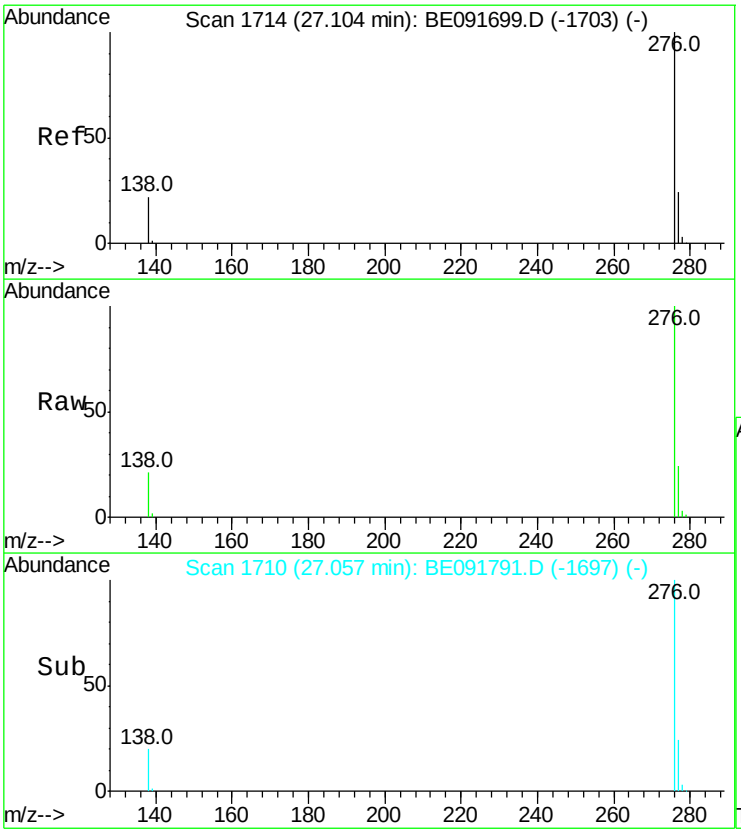
Tgt Ion:278 Resp: 28029

Ion	Ratio	Lower	Upper
278	100		
139	16.5	16.0	24.0
279	24.4	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
sohil
5/19/2016 7:02:23 PM



#40
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 27.06 min Scan# 1710
Delta R.T. -0.05 min
Lab File: BE091791.D
Acq: 18 May 2016 13:49

Tgt Ion:276 Resp: 28928

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	20.8	20.4	30.6