Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042916\
Data File : BE091739.D
Acq On : 29 Apr 2016 19:07
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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4/30/2016 11:26:43 AM

Quant Time: Apr 29 23:55:12 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	34264	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	155008	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	87983	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	229898	5.00	ng		0.00
26) Chrysene-d12	21.31	240	245315	5.00	ng		0.00
35) Perylene-d12	23.74	264	261165	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2931	0.35	ng		0.00
5) Phenol-d6	6.97	99	3663	0.33	ng		0.02
8) Nitrobenzene-d5	8.96	82	3268	0.33	ng		0.01
14) 2,4,6-Tribromophenol	15.90	330	826	0.41	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	9930	0.40	ng		0.00
29) Terphenyl-d14	19.76	244	16119	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	1760	0.35	ng		96
3) n-Nitrosodimethylamine	3.64	42	2044	0.33	ng	#	91
6) bis(2-Chloroethyl)ether	7.21	93	3692	0.38	ng	#	78
9) Nitrobenzene	8.99	77	3329	0.32	ng		96
10) Naphthalene	10.61	128	12744	0.41	ng		97
11) Hexachlorobutadiene	10.90	225	1868m	0.40	ng		
12) 2-Methylnaphthalene	12.24	142	7689	0.38	ng		95
16) Acenaphthylene	14.12	152	12939	0.38	ng	#	79
17) Acenaphthene	14.47	154	8436	0.38	ng		85
18) Fluorene	15.46	166	10661	0.39	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	3064	0.37	ng		97
21) Hexachlorobenzene	16.45	284	3304	0.40	ng		98
22) Pentachlorophenol	16.79	266	967	0.31	ng		93
23) Phenanthrene	17.18	178	21187	0.41	ng		99
24) Anthracene	17.28	178	17690	0.38	ng		99
25) Fluoranthene	19.19	202	22110	0.40	ng	#	96
27) Benzidine	19.38	184	4228	0.37	ng	#	81
28) Pyrene	19.55	202	23950	0.43	ng		99
30) Benzo(a)anthracene	21.29	228	23519	0.39	ng	#	91
31) 3,3'-Dichlorobenzidine	21.22	252	10302	0.34	ng	#	85
32) Chrysene	21.33	228	28968m	0.47	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	6990	0.39	ng	#	85
34) Indeno(1,2,3-cd)pyrene	26.29	276	25333	0.46	ng		97
36) Benzo(b)fluoranthene	22.99	252	25779	0.42	ng		99
37) Benzo(k)fluoranthene	23.04	252	21658	0.35	ng		96
38) Benzo(a)pyrene	23.63	252	21649	0.38	ng		96
39) Dibenzo(a,h)anthracene	26.32	278	20789	0.38	ng		97
40) Benzo(g,h,i)perylene	27.08	276	20874	0.38	ng		97

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

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Data Path : Z:\HPCHEM1\BNA E\DATA\BE042916\
Data File : BE091739.D
Acq On : 29 Apr 2016 19:07
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 23:55:12 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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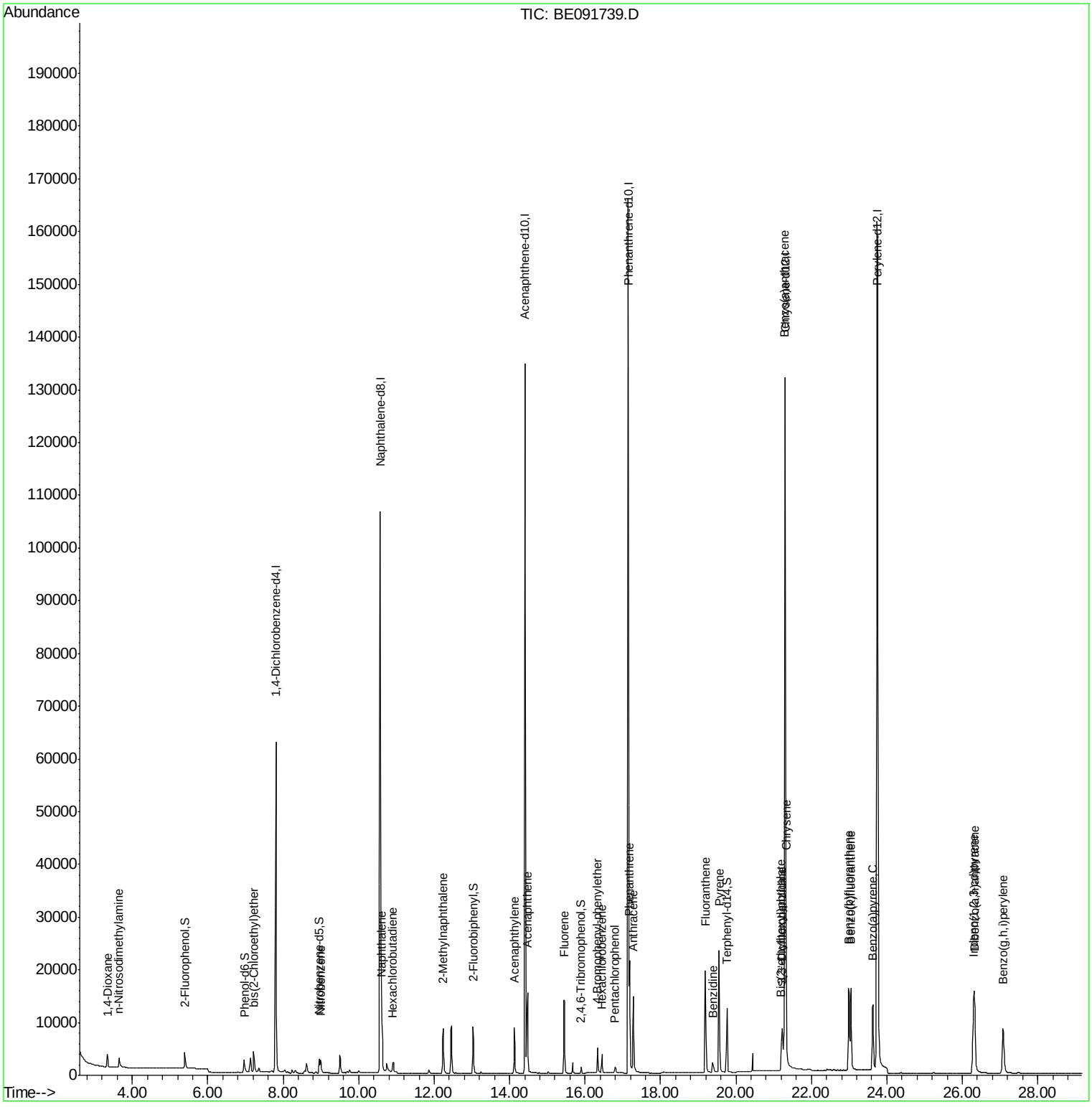
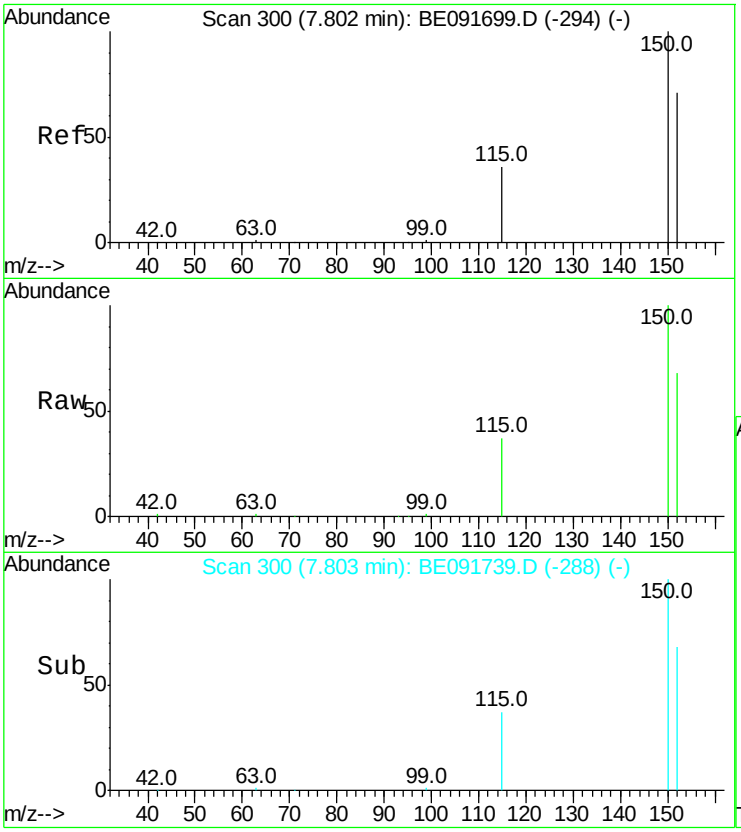
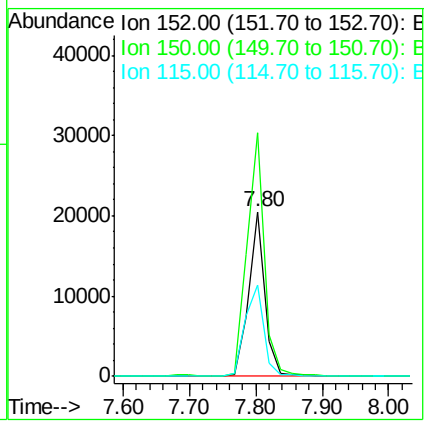




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:152 Resp: 34264

Ion	Ratio	Lower	Upper
152	100		
150	147.8	122.6	183.8
115	55.3	52.8	79.2



Instrument :
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ClientSampleId :
SSTDCCC0.4EC

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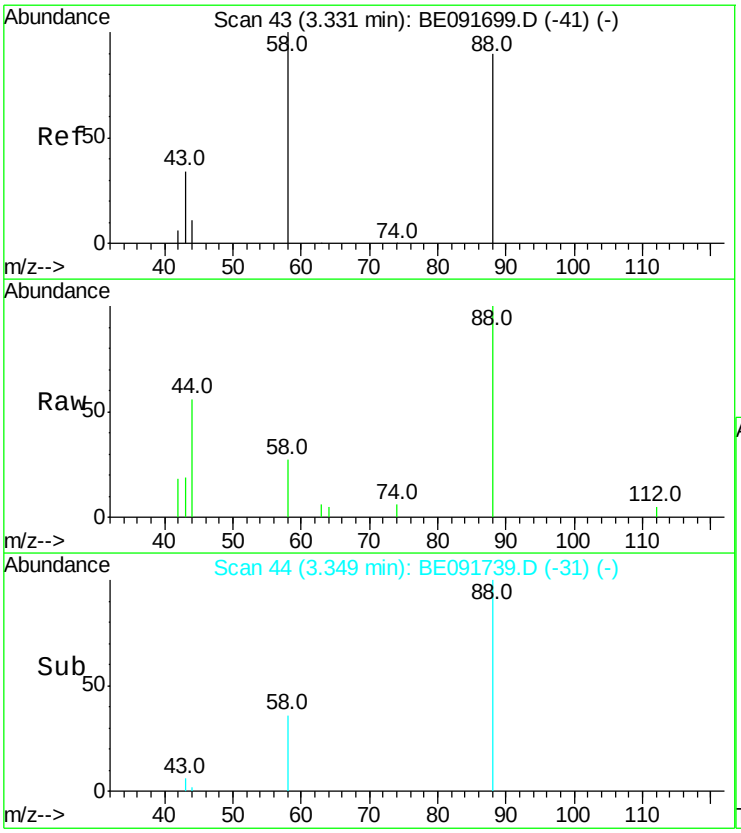
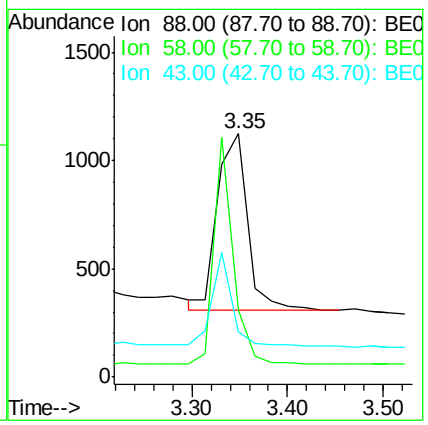
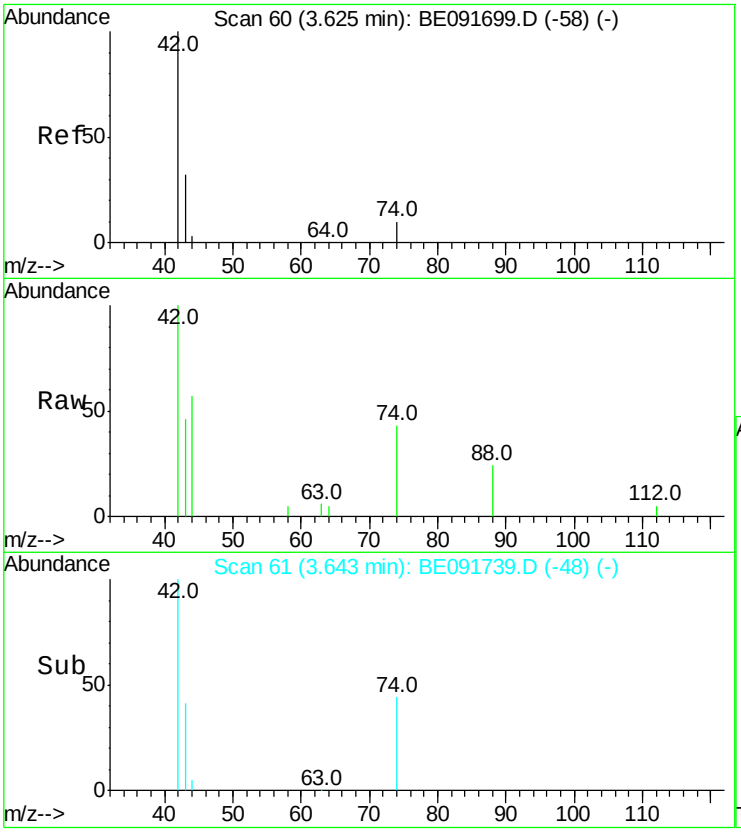


#2
1,4-Dioxane
Concen: 0.35 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion: 88 Resp: 1760

Ion	Ratio	Lower	Upper
88	100		
58	83.5	65.8	98.6
43	37.4	25.3	37.9

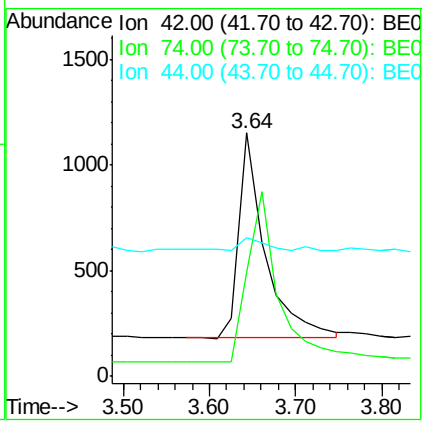




#3
n-Nitrosodimethylamine
Concen: 0.33 ng
RT: 3.64 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion: 42 Resp: 2044

Ion	Ratio	Lower	Upper
42	100		
74	100.6	87.9	131.9
44	5.9	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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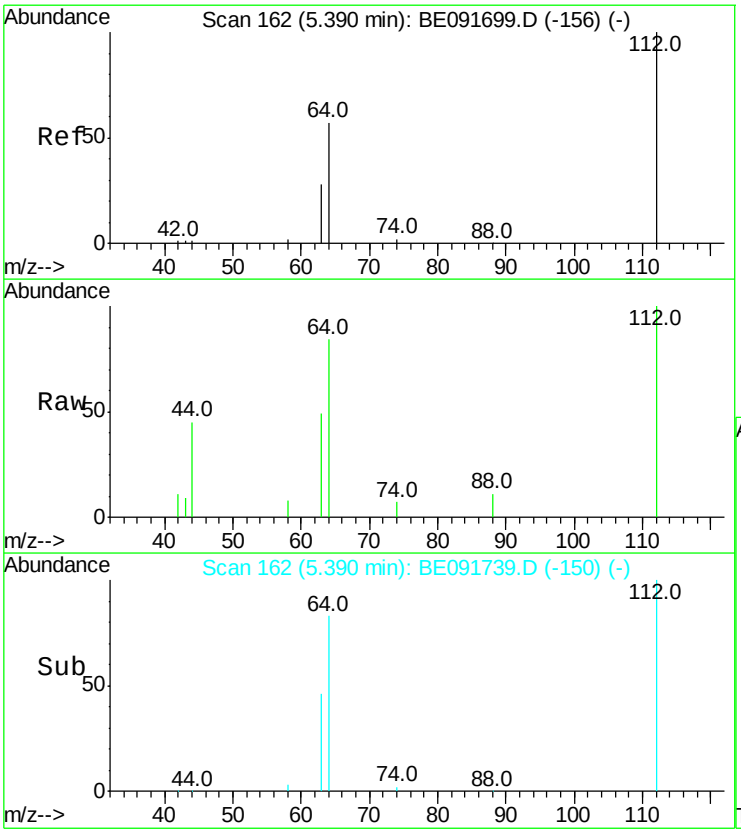
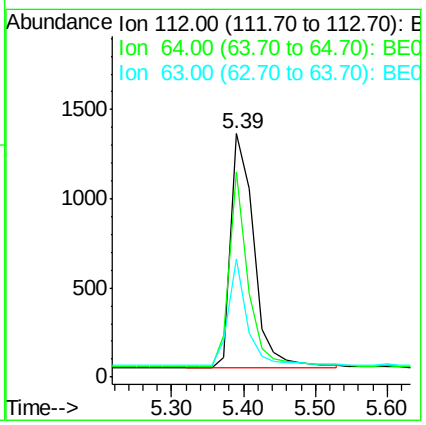
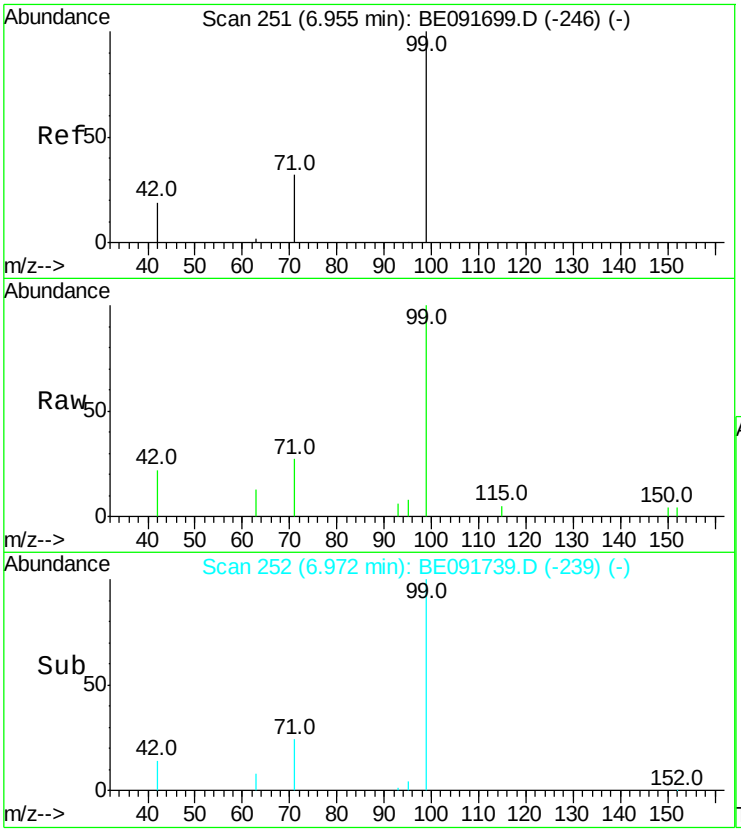


#4
2-Fluorophenol
Concen: 0.35 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:112 Resp: 2931

Ion	Ratio	Lower	Upper
112	100		
64	67.8	30.9	46.3#
63	37.9	16.7	25.1#

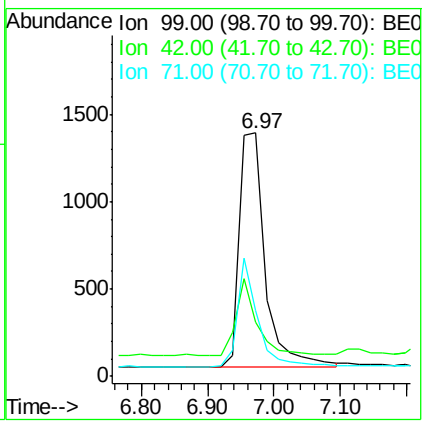




#5
Phenol-d6
Concen: 0.33 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion: 99 Resp: 3663

Ion	Ratio	Lower	Upper
99	100		
42	26.1	16.2	24.2#
71	35.5	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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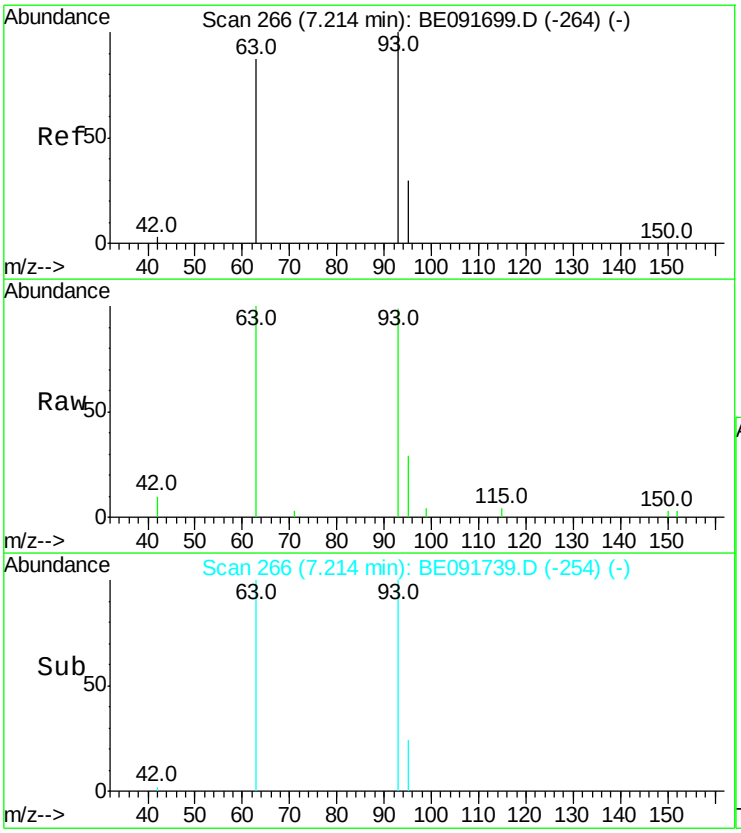
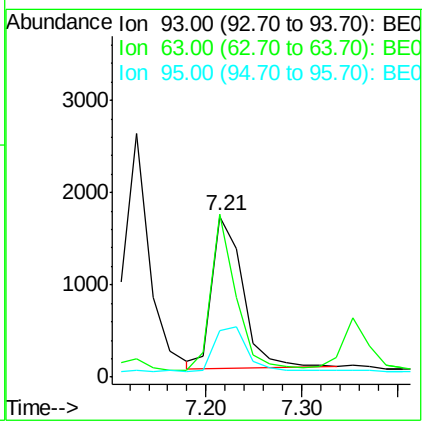
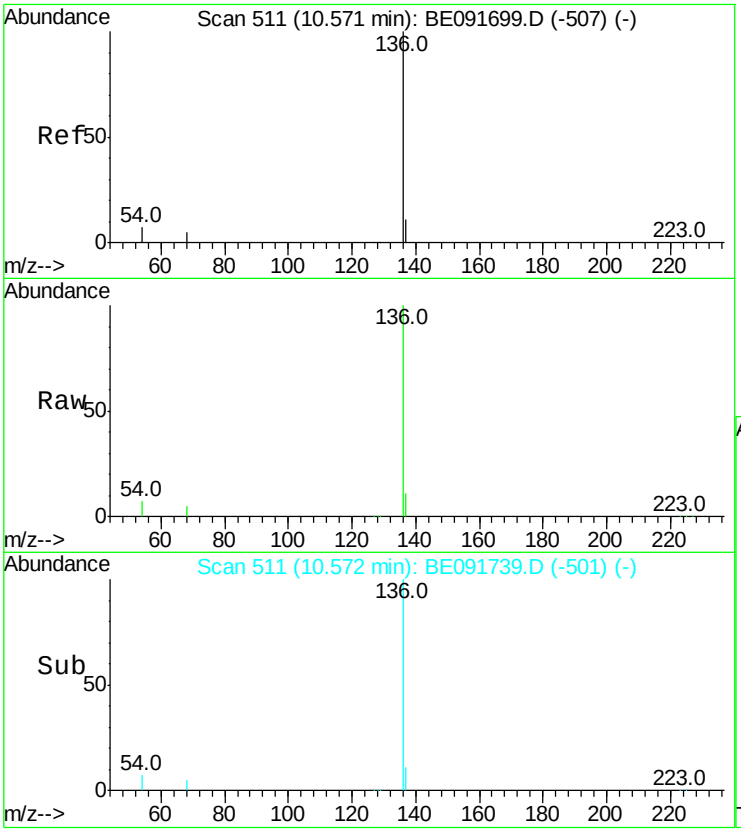


#6
bis(2-Chloroethyl)ether
Concen: 0.38 ng
RT: 7.21 min Scan# 266
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion: 93 Resp: 3692

Ion	Ratio	Lower	Upper
93	100		
63	83.8	49.5	74.3#
95	31.9	22.2	33.4

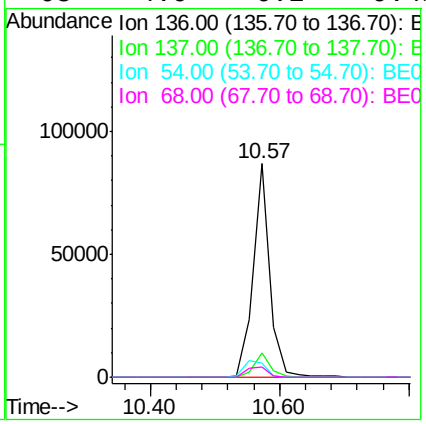




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:136 Resp: 155008

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.7	8.2	12.4#
68	4.9	6.2	9.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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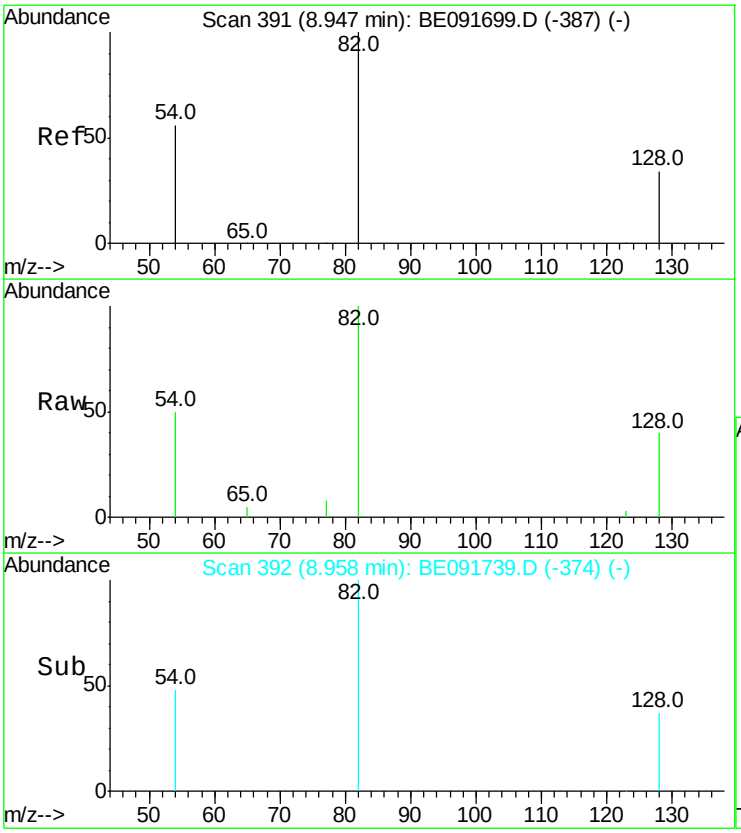
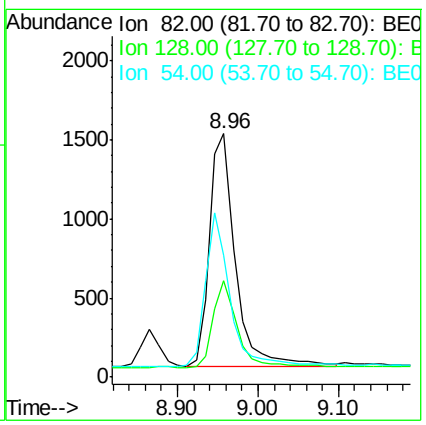
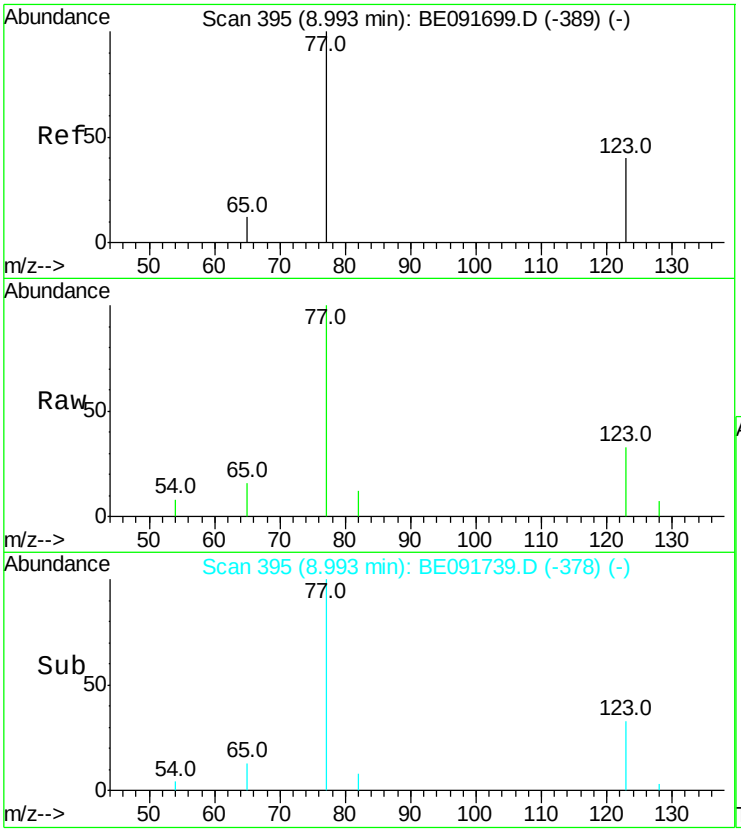


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.01 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion: 82 Resp: 3268

Ion	Ratio	Lower	Upper
82	100		
128	39.8	25.4	38.0#
54	50.0	48.4	72.6

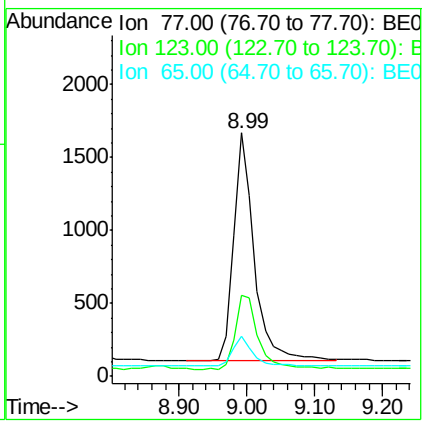




#9
Nitrobenzene
Concen: 0.32 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion: 77 Resp: 3329

Ion	Ratio	Lower	Upper
77	100		
123	36.2	26.9	40.3
65	13.3	9.4	14.2



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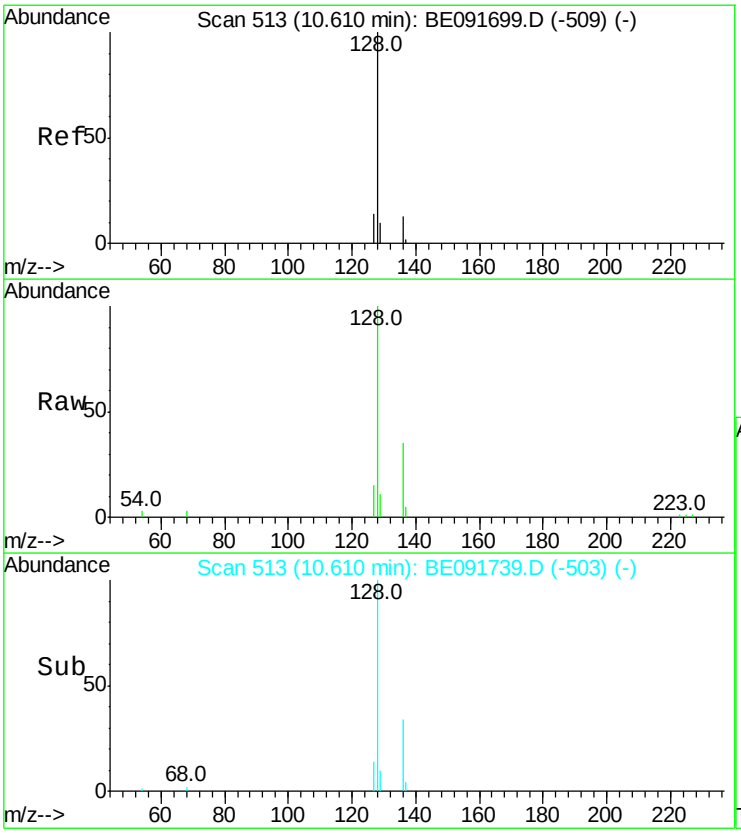
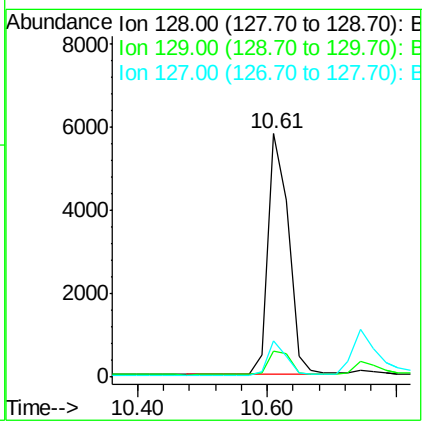
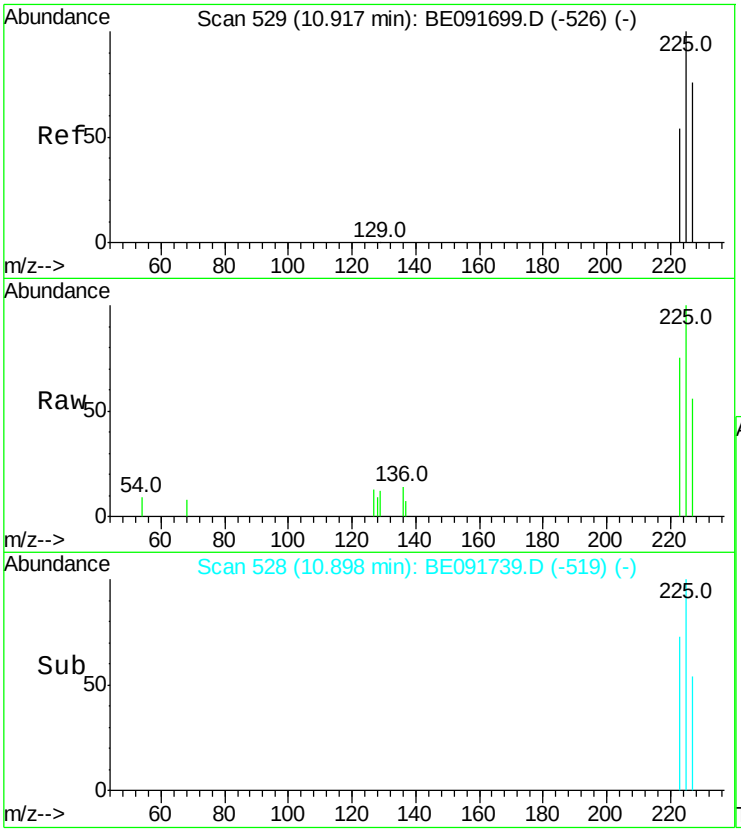


#10
Naphthalene
Concen: 0.41 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:128 Resp: 12744

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.3	13.9
127	14.9	10.7	16.1

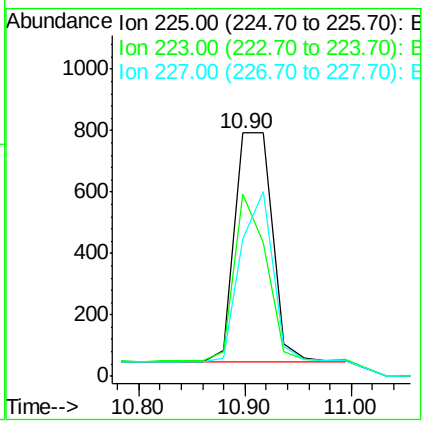




#11
Hexachlorobutadiene
Concen: 0.40 ng m
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:225 Resp: 1868

Ion	Ratio	Lower	Upper
225	100		
223	89.5	49.0	73.6#
227	92.5	50.3	75.5#



Instrument :
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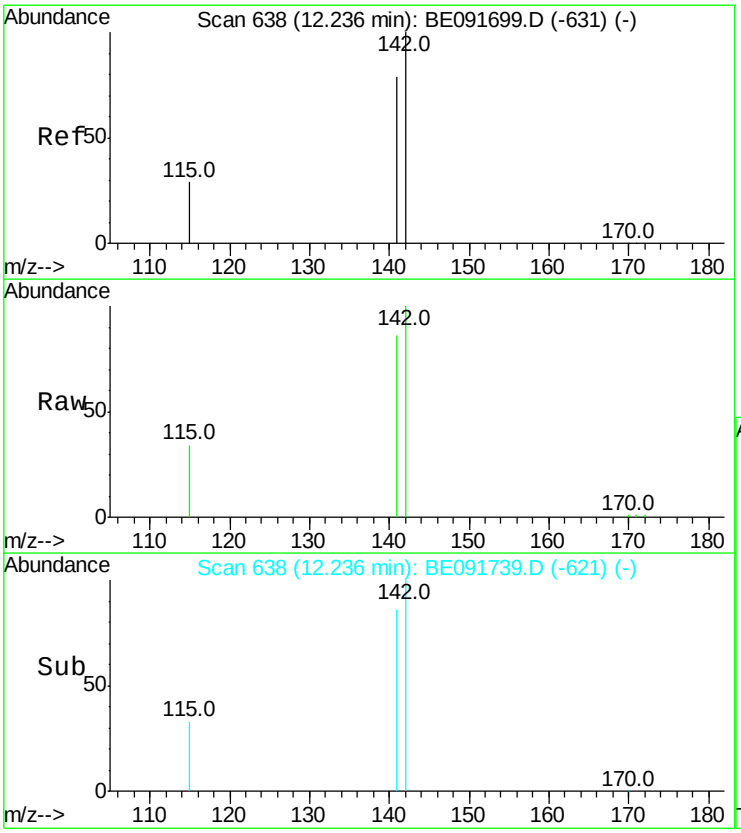
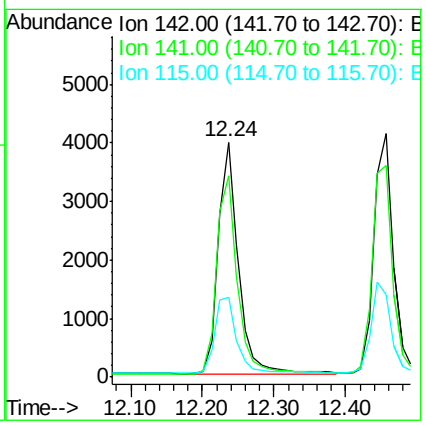
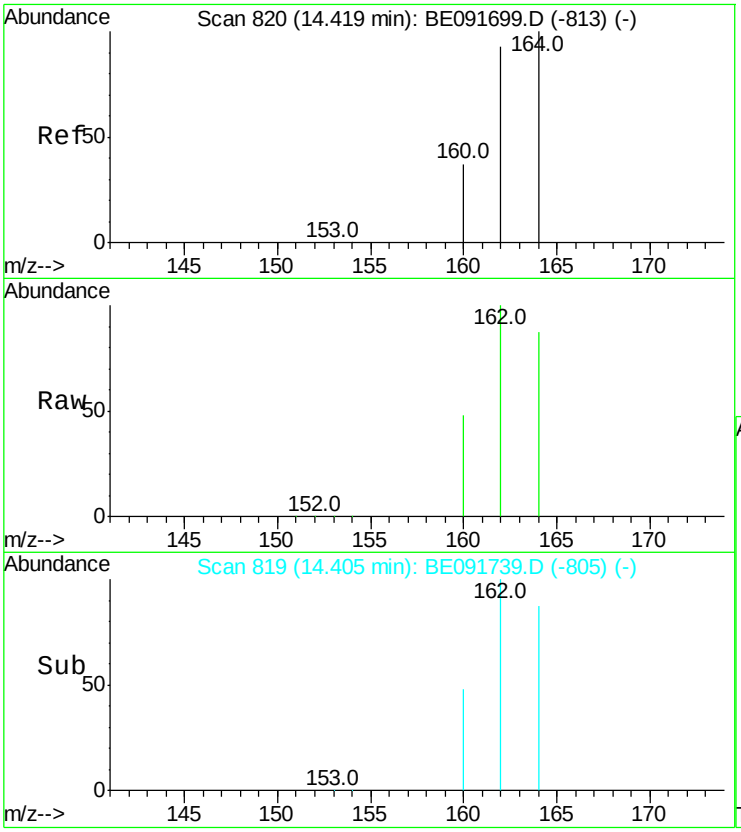


#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:142 Resp: 7689

Ion	Ratio	Lower	Upper
142	100		
141	85.6	71.4	107.0
115	34.2	30.3	45.5

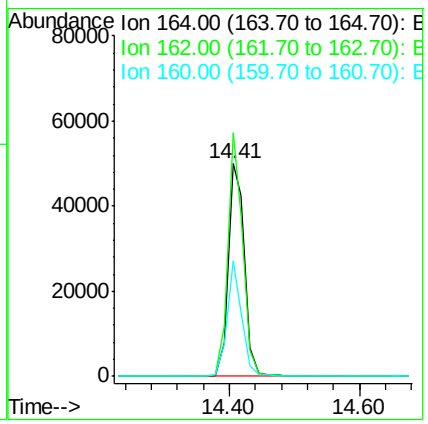




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:164 Resp: 87983

Ion	Ratio	Lower	Upper
164	100		
162	114.5	85.3	127.9
160	54.5	46.2	69.2



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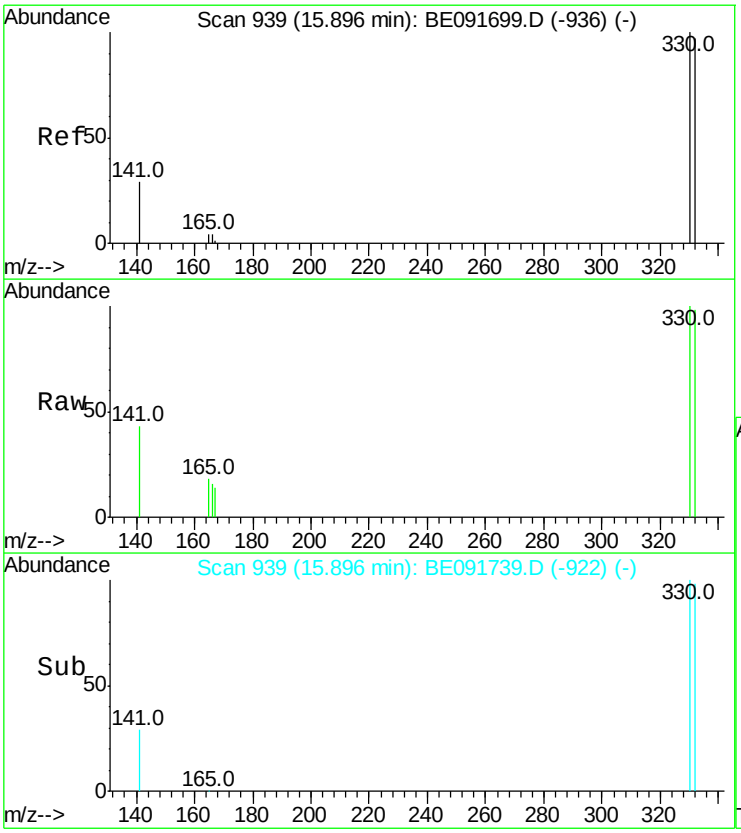
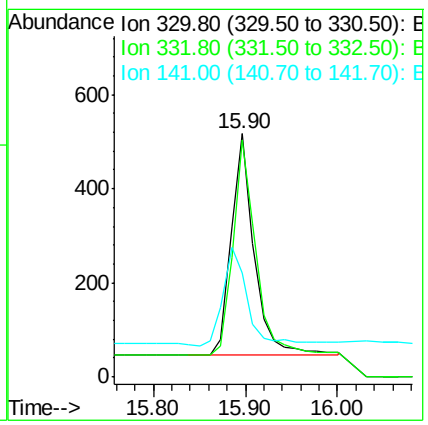
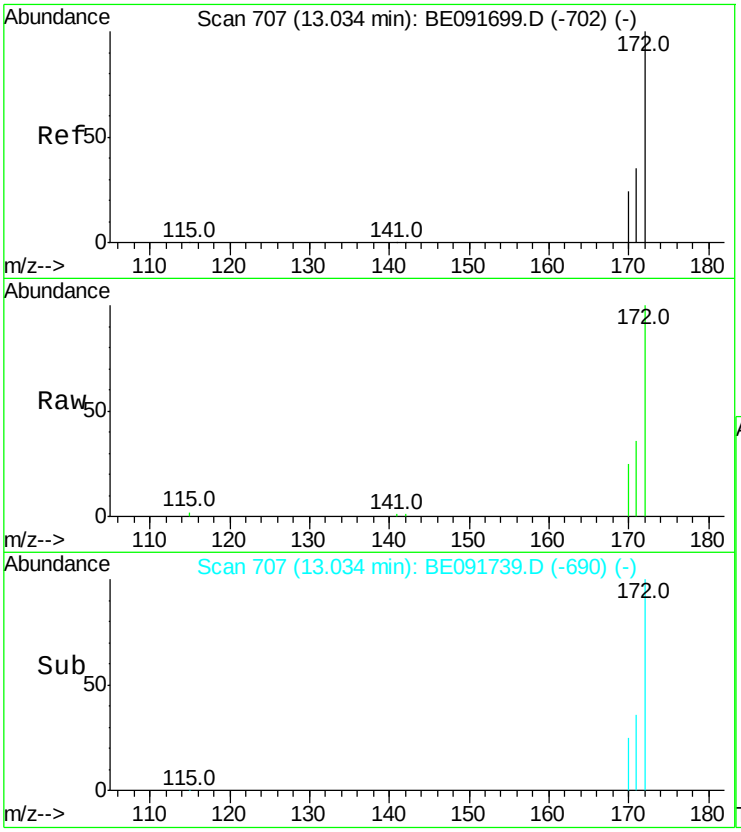


#14
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:330 Resp: 826

Ion	Ratio	Lower	Upper
330	100		
332	95.0	79.1	118.7
141	46.4	125.4	188.0#

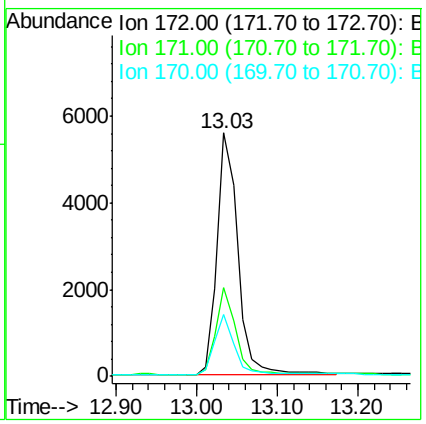




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.03 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:172 Resp: 9930

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	25.4	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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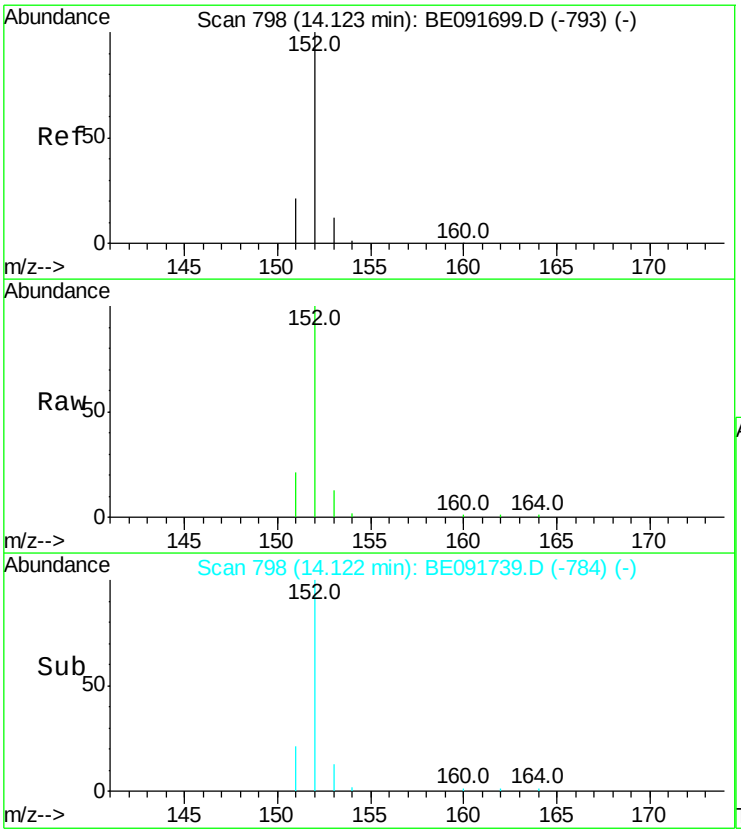
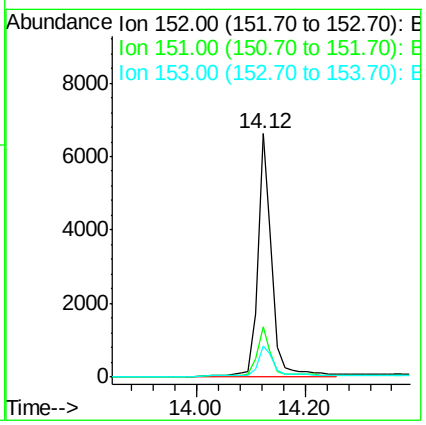
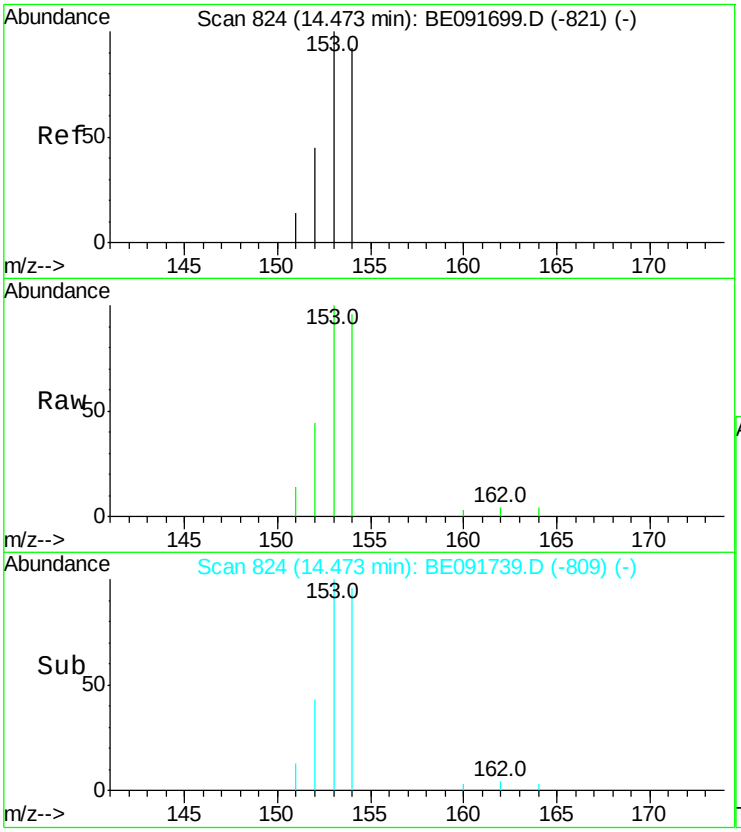


#16
Acenaphthylene
Concen: 0.38 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:152 Resp: 12939

Ion	Ratio	Lower	Upper
152	100		
151	18.2	3.9	5.9#
153	18.1	10.3	15.5#

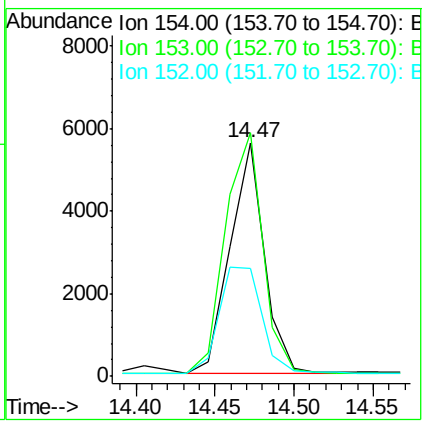




#17
Acenaphthene
Concen: 0.38 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:154 Resp: 8436

Ion	Ratio	Lower	Upper
154	100		
153	116.7	80.0	120.0
152	58.3	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
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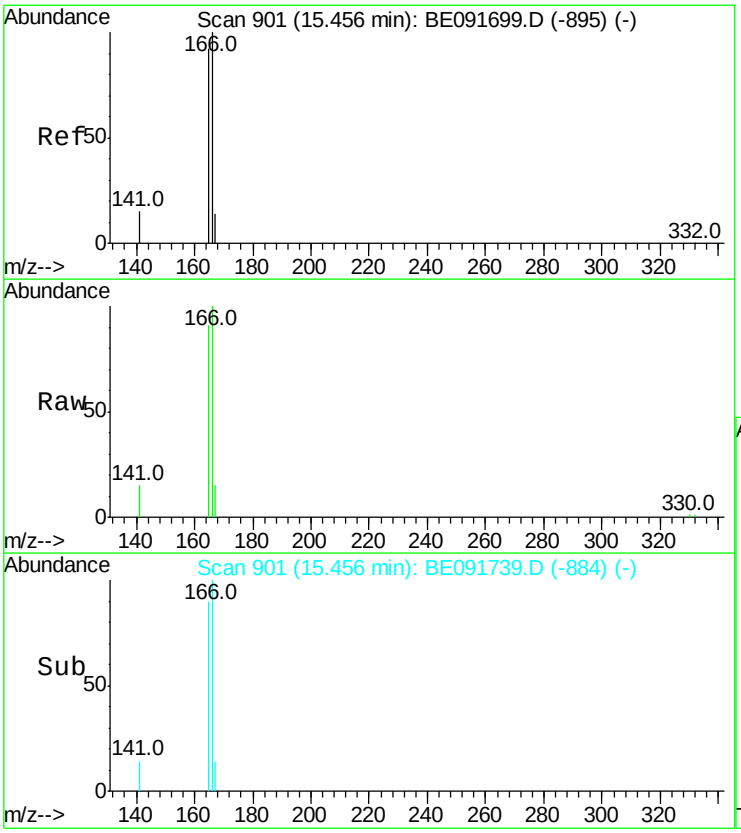
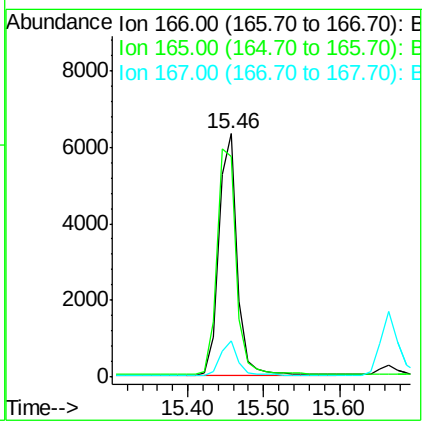
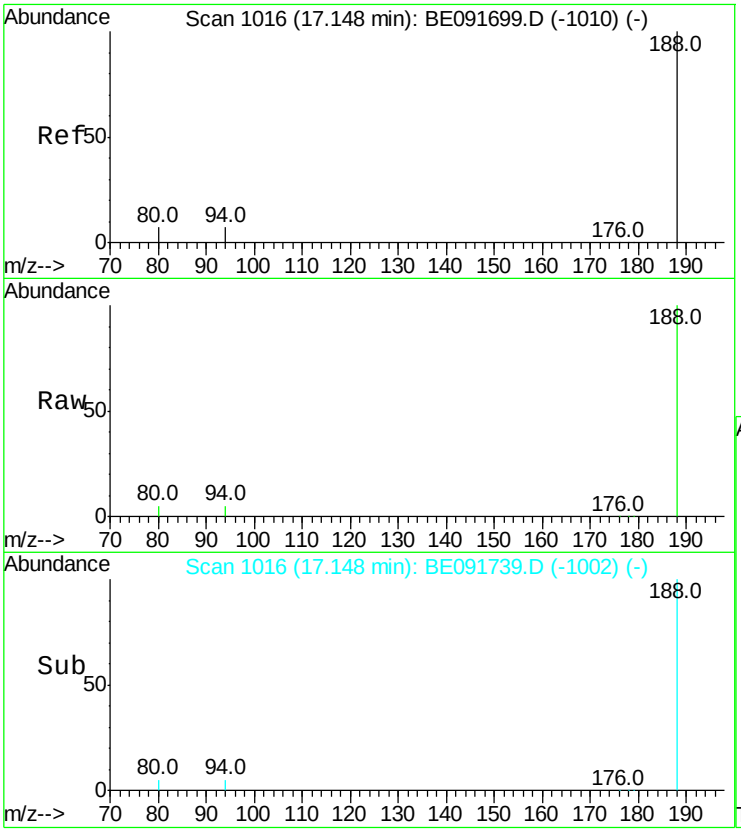


#18
Fluorene
Concen: 0.39 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:166 Resp: 10661

Ion	Ratio	Lower	Upper
166	100		
165	99.9	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: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:188 Resp: 229898

Ion	Ratio	Lower	Upper
188	100		
94	5.4	8.7	13.1#
80	4.7	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
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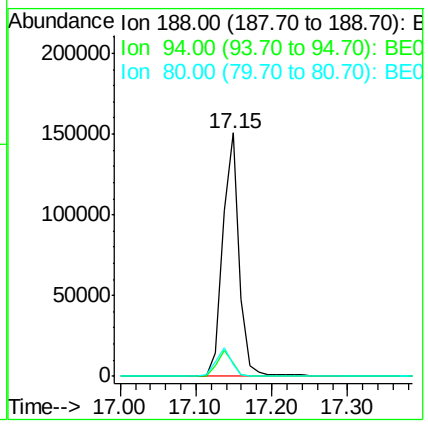
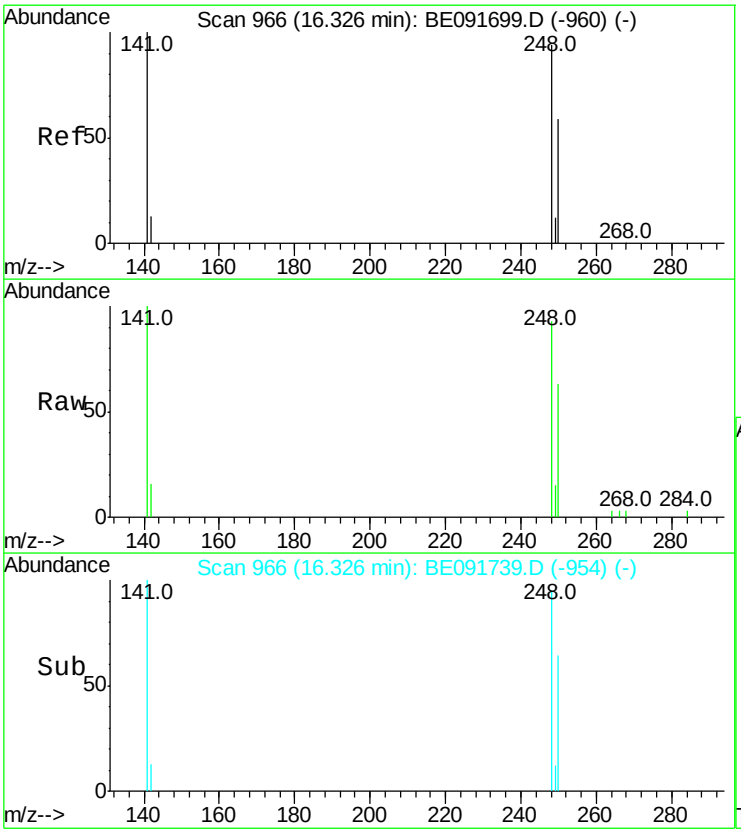
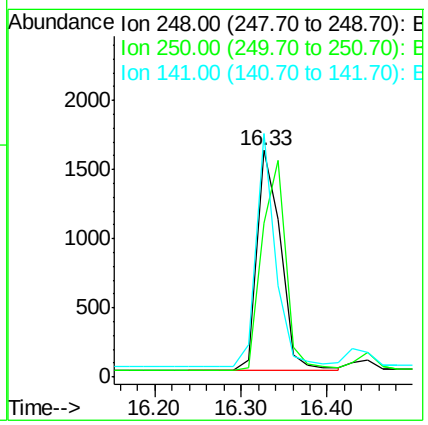


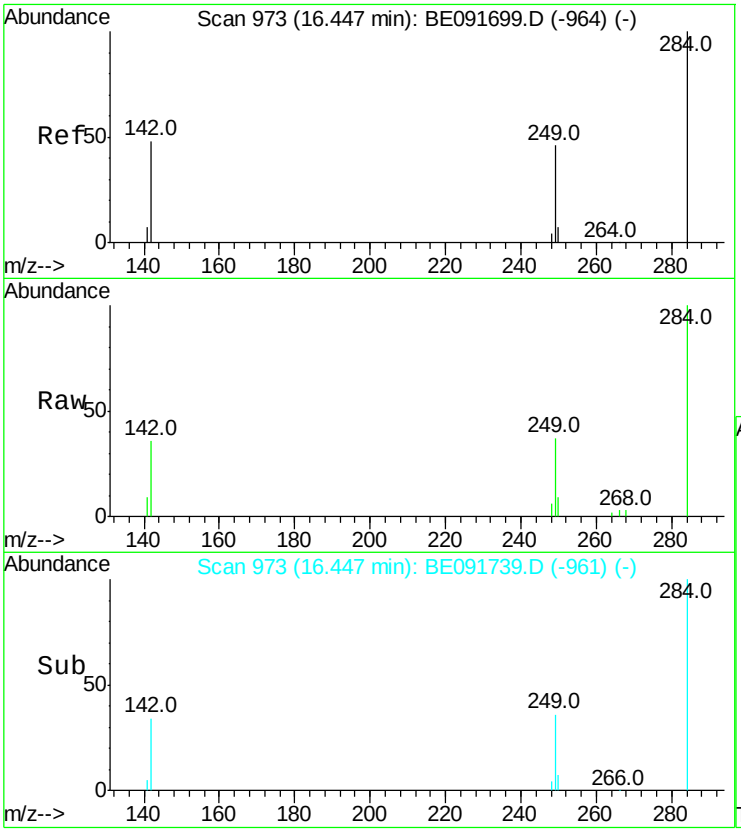


#20
4-Bromophenyl-phenylether
Concen: 0.37 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:248 Resp: 3064

Ion	Ratio	Lower	Upper
248	100		
250	97.0	80.5	120.7
141	87.9	72.0	108.0

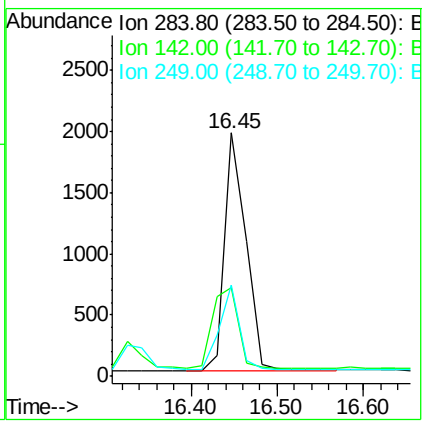




#21
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:284 Resp: 3304

Ion	Ratio	Lower	Upper
284	100		
142	41.2	32.2	48.2
249	33.2	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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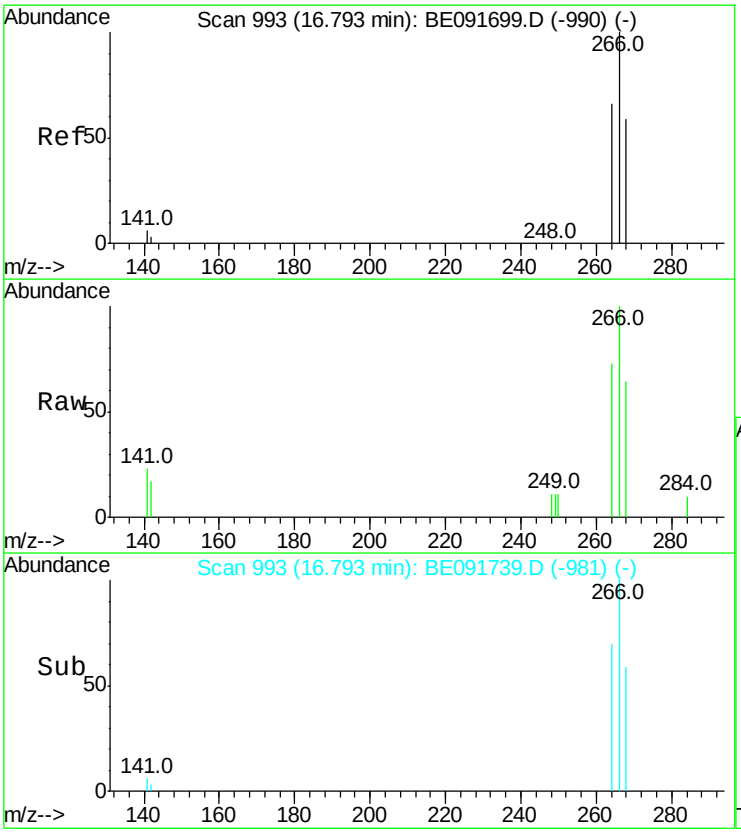
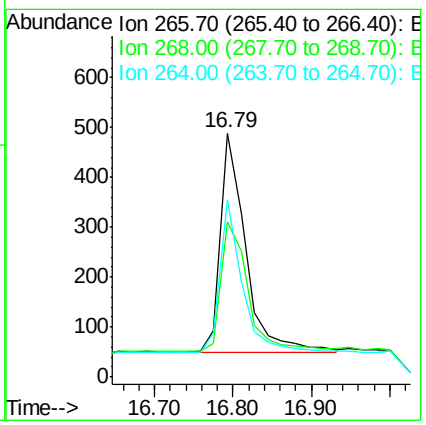
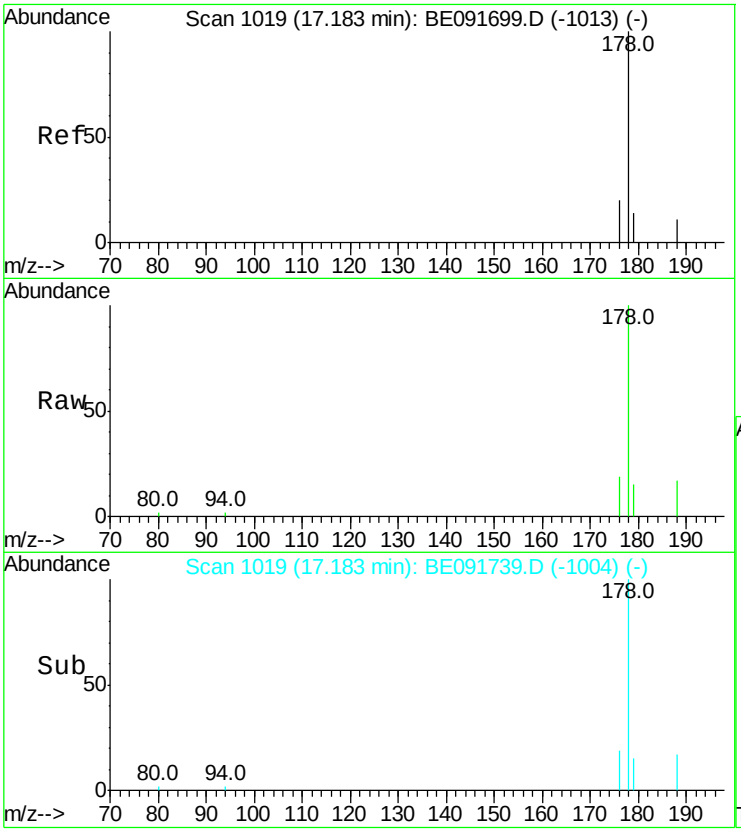


#22
Pentachlorophenol
Concen: 0.31 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:266 Resp: 967

Ion	Ratio	Lower	Upper
266	100		
268	63.5	58.2	87.2
264	72.7	56.2	84.4

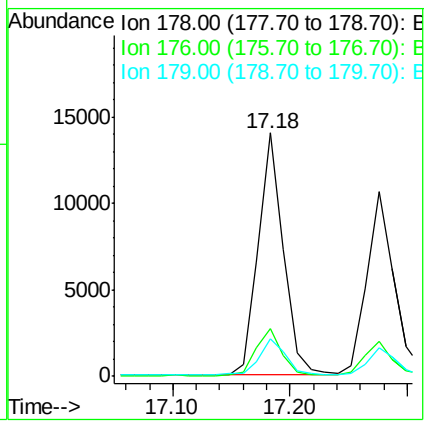




#23
Phenanthrene
Concen: 0.41 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:178 Resp: 21187

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.1	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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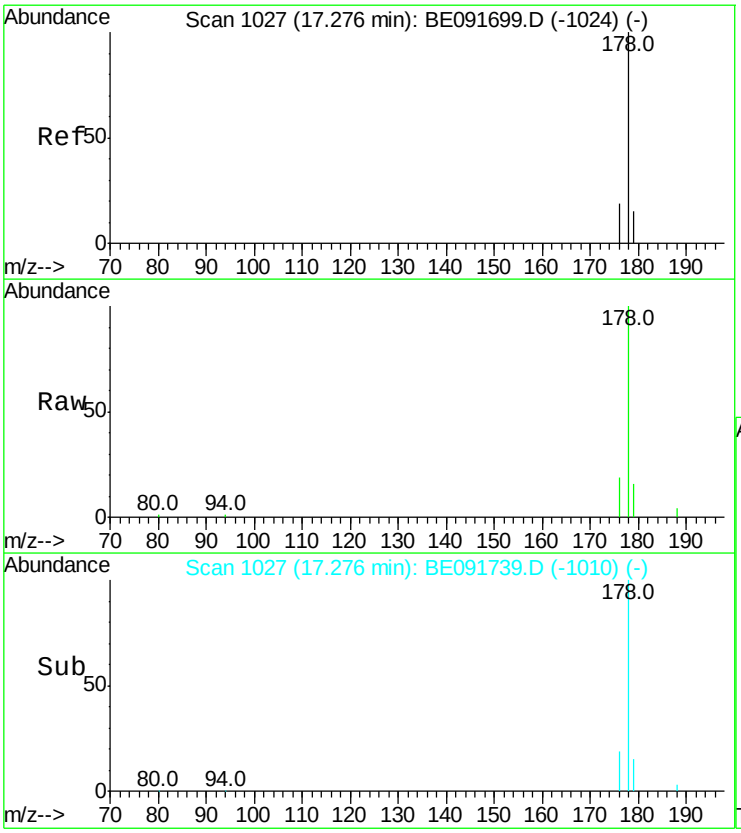
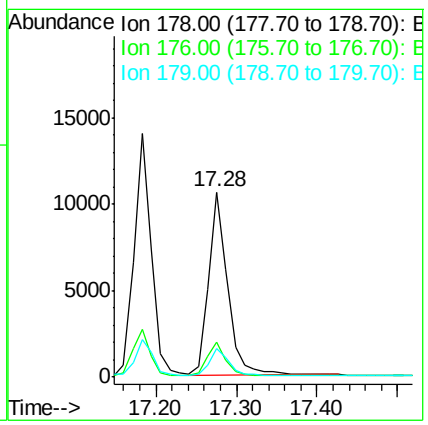
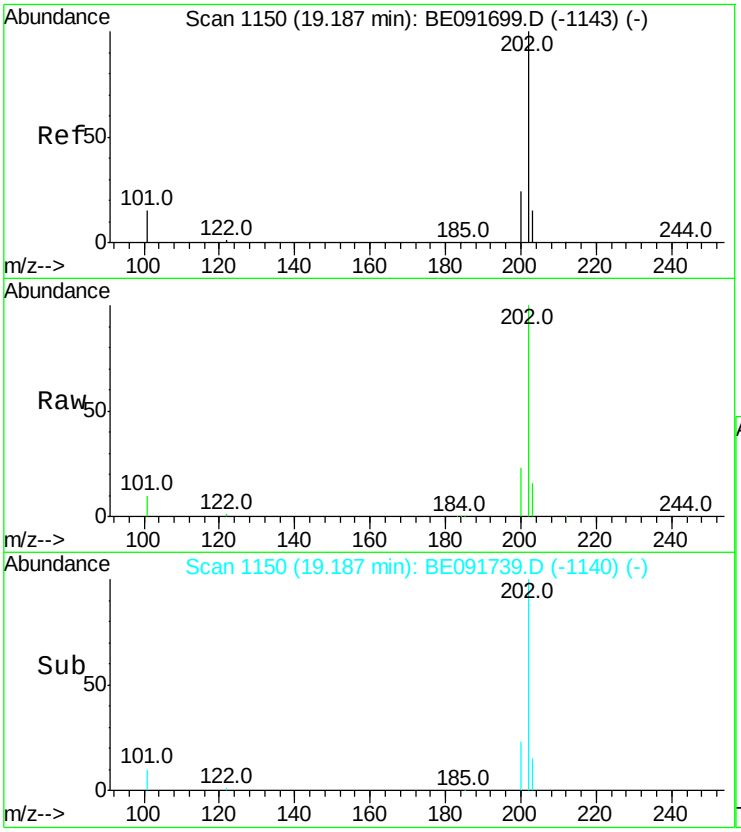


#24
Anthracene
Concen: 0.38 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:178 Resp: 17690

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.2	11.8	17.6

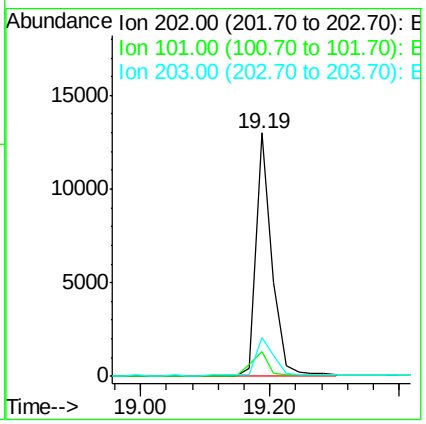




#25
Fluoranthene
Concen: 0.40 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:202 Resp: 22110

Ion	Ratio	Lower	Upper
202	100		
101	10.5	11.0	16.6#
203	17.2	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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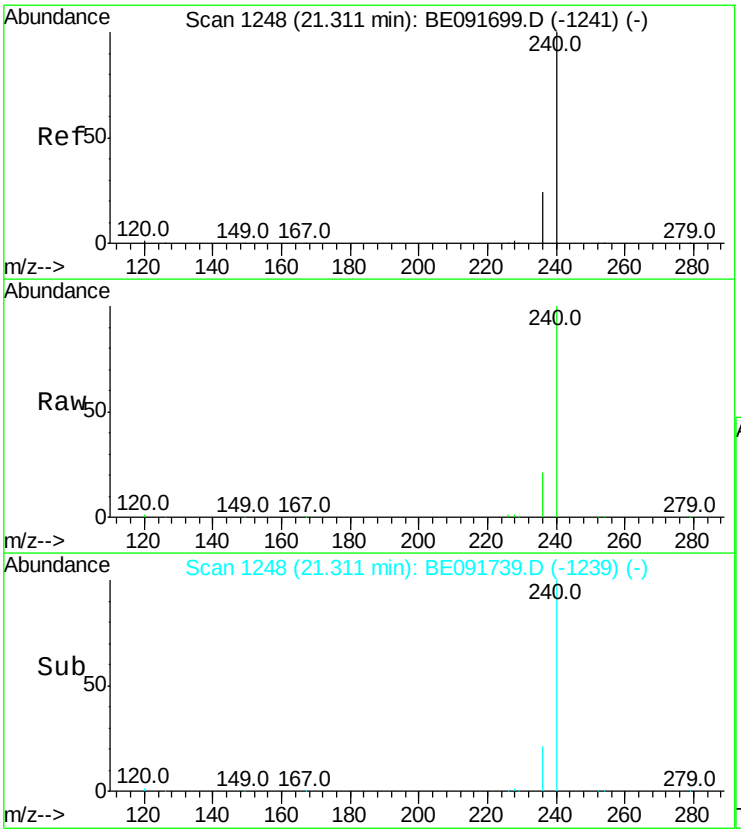
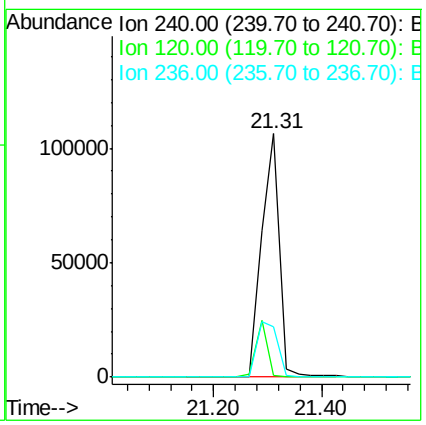
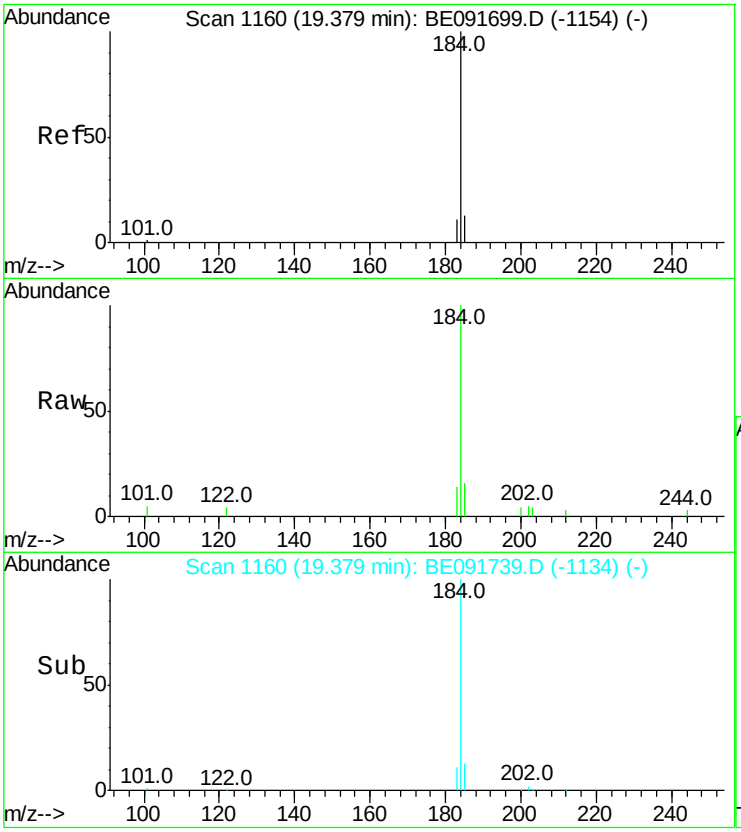


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:240 Resp: 245315

Ion	Ratio	Lower	Upper
240	100		
120	0.9	11.0	16.4#
236	20.6	21.7	32.5#





#27
Benzidine
Concen: 0.37 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:184 Resp: 4228

Ion	Ratio	Lower	Upper
184	100		
185	15.9	22.3	33.5#
183	14.2	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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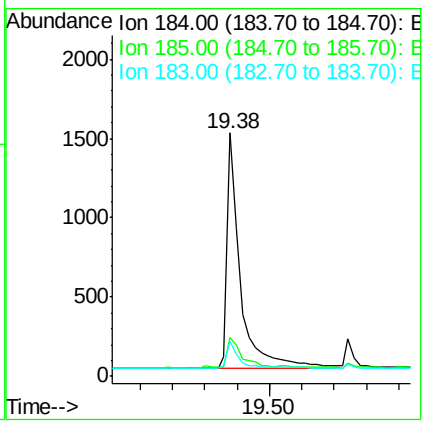
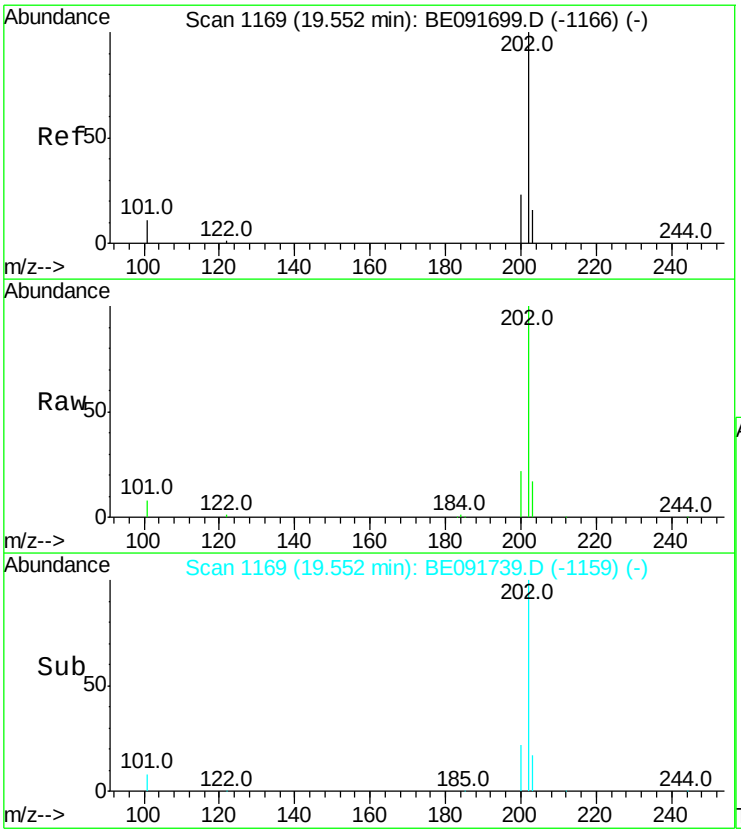
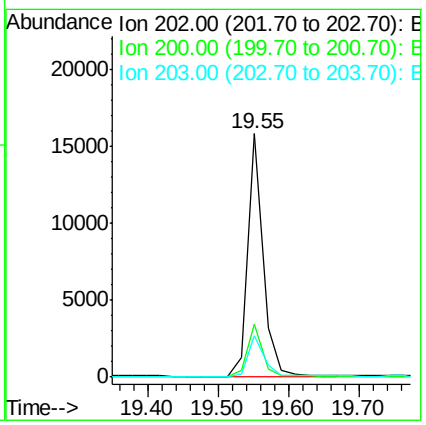


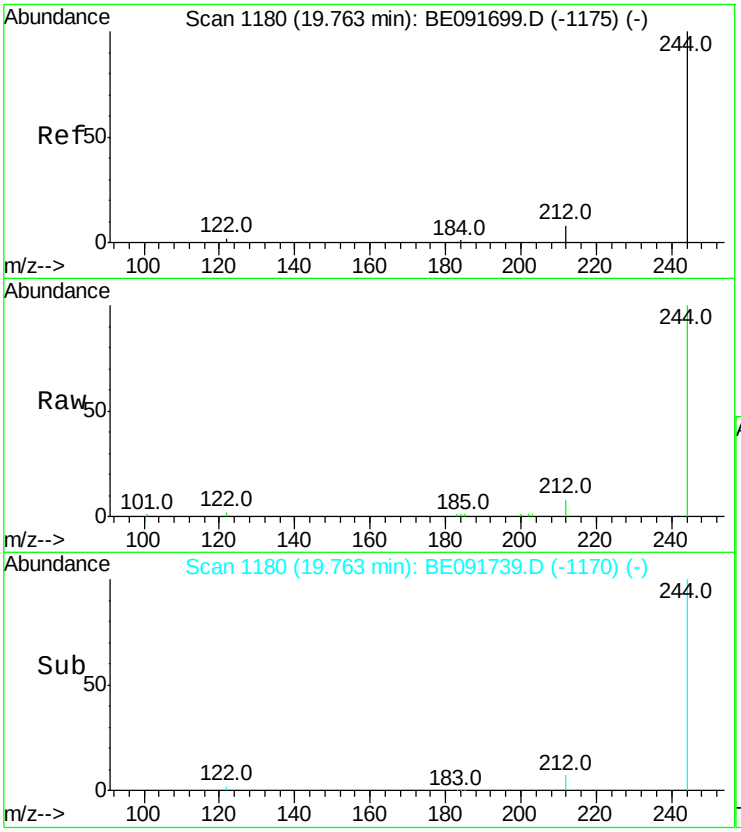


#28
Pyrene
Concen: 0.43 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:202 Resp: 23950

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.4	14.0	21.0

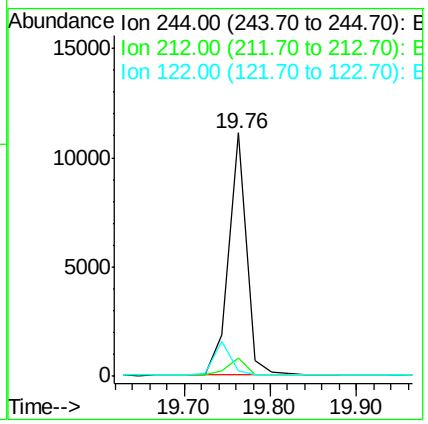




#29
Terphenyl-d14
Concen: 0.42 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:244 Resp: 16119

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.9	10.3
122	2.1	11.0	16.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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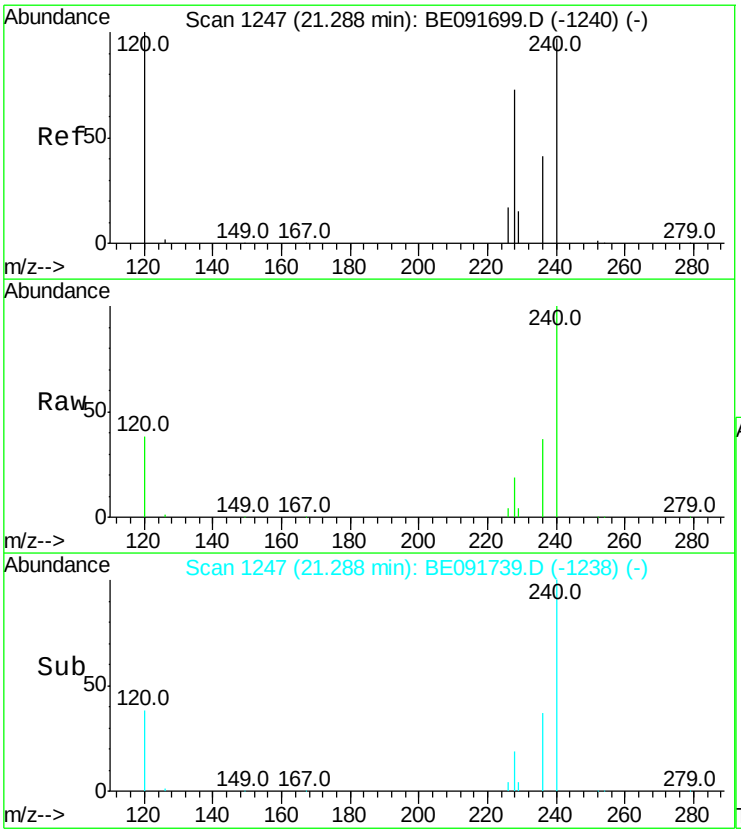
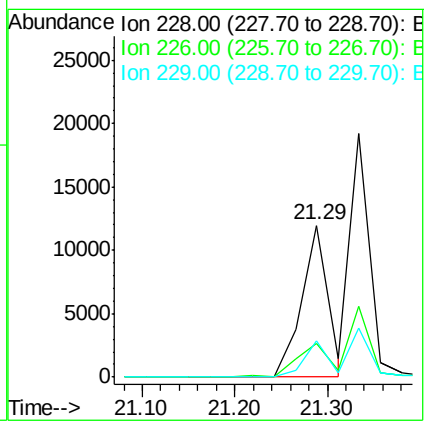
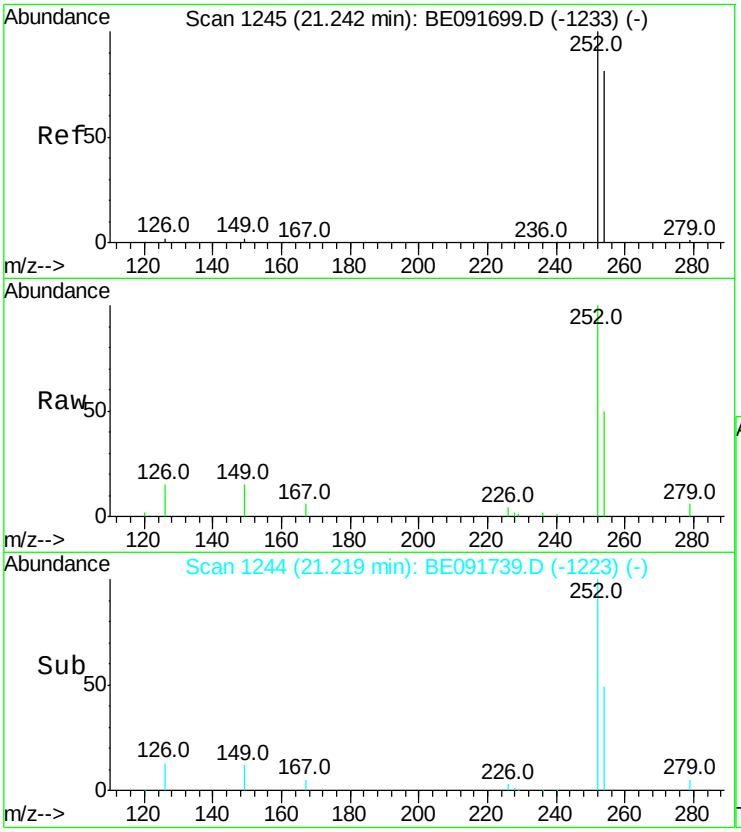


#30
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:228 Resp: 23519

Ion	Ratio	Lower	Upper
228	100		
226	21.8	21.0	31.4
229	23.5	15.7	23.5#

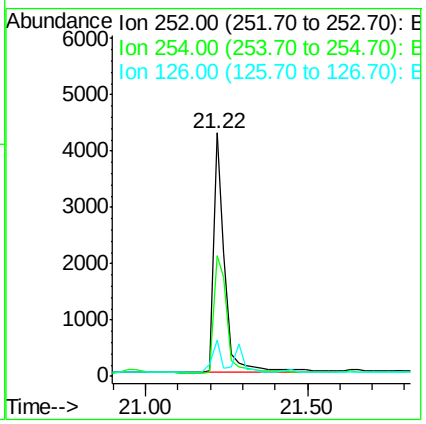




#31
3,3'-Dichlorobenzidine
Concen: 0.34 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:252 Resp: 10302

Ion	Ratio	Lower	Upper
252	100		
254	49.7	51.1	76.7#
126	14.7	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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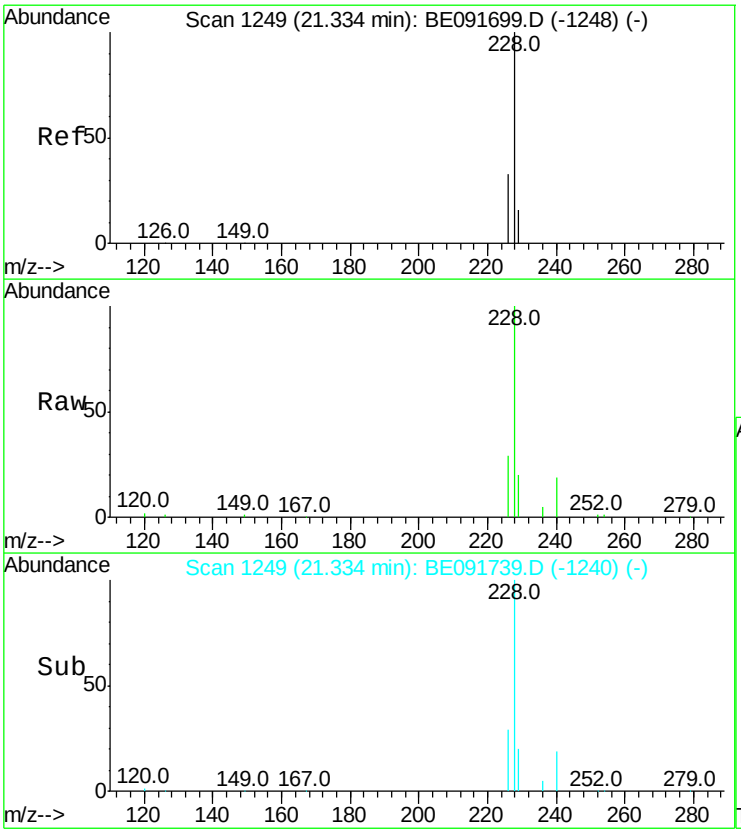
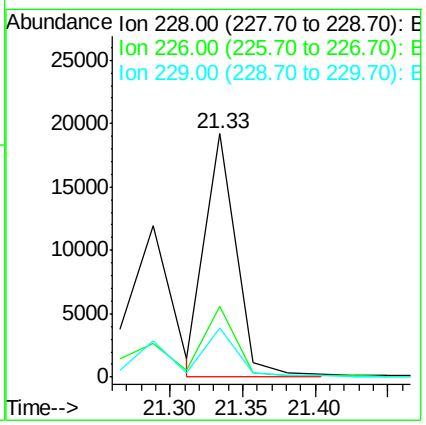
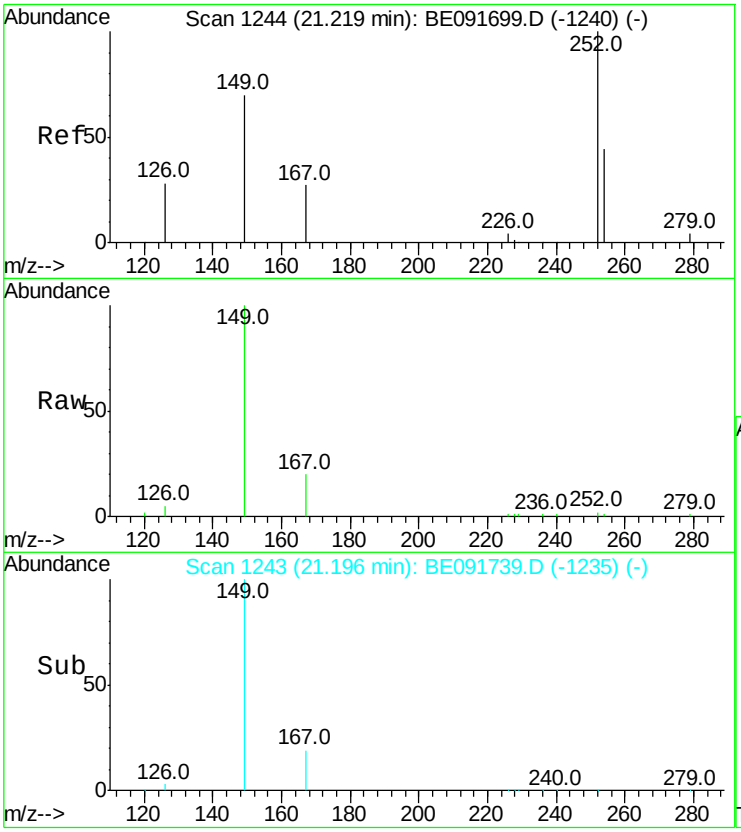


#32
Chrysene
Concen: 0.47 ng m
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:228 Resp: 28968

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	19.9	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.39 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:149 Resp: 6990

Ion	Ratio	Lower	Upper
149	100		
167	21.3	19.5	29.3
279	0.0	10.0	15.0#

Instrument :
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ClientSampleId :
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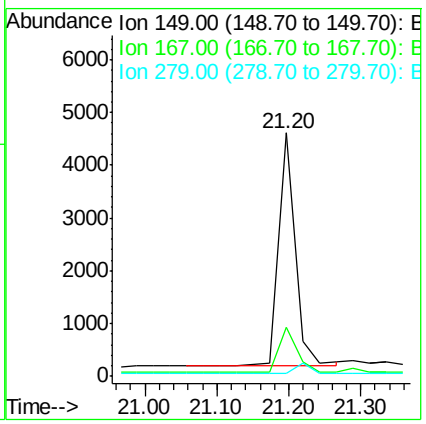
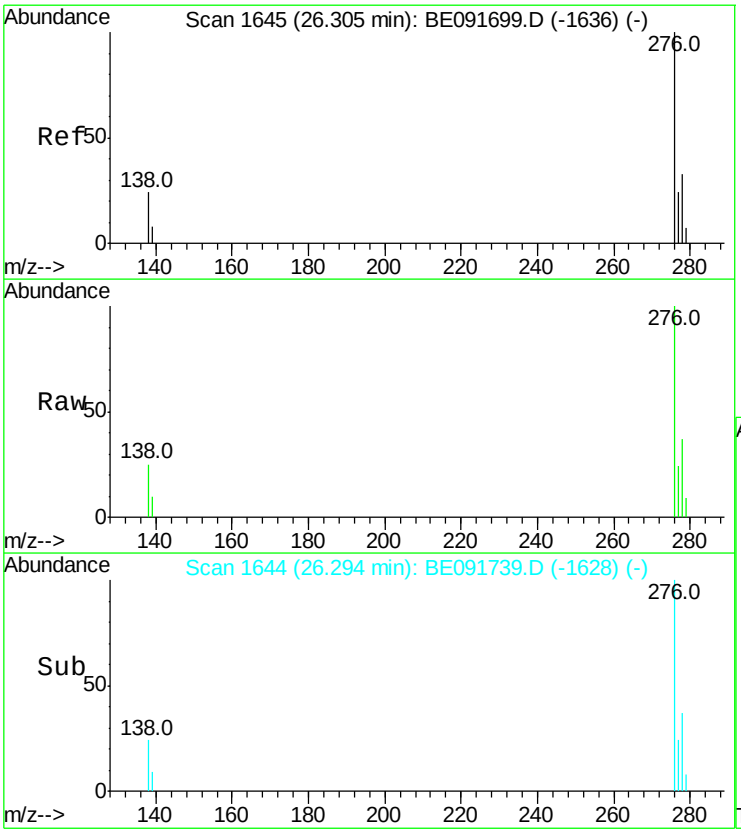
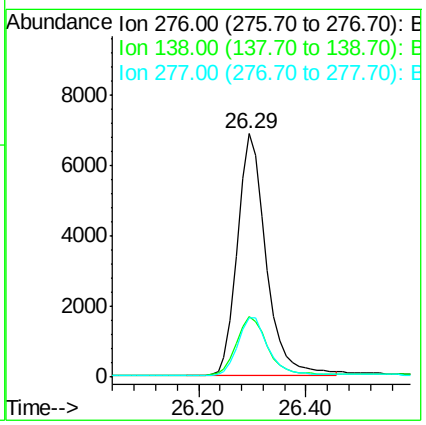


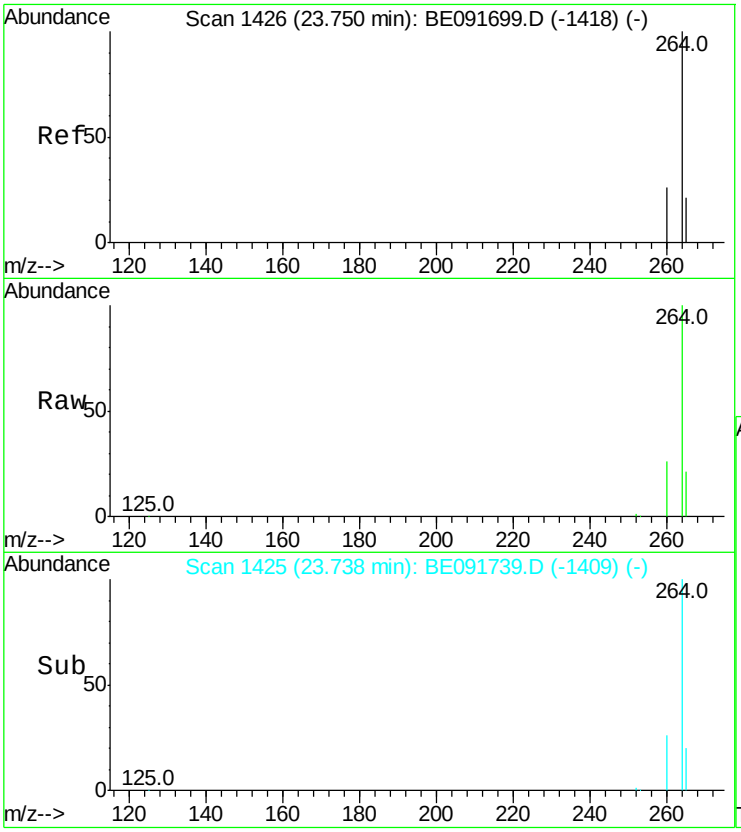


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.46 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:276 Resp: 25333

Ion	Ratio	Lower	Upper
276	100		
138	26.1	23.4	35.2
277	25.0	19.8	29.8

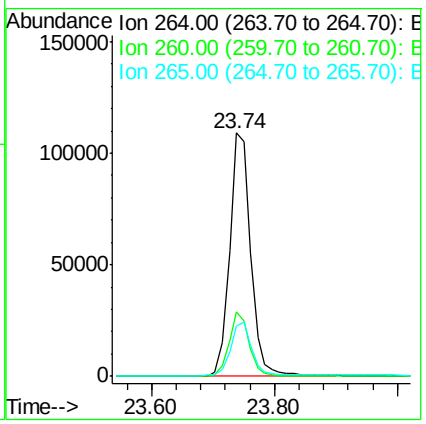




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:264 Resp: 261165

Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.0	30.0
265	20.8	17.5	26.3



Instrument :
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ClientSampleId :
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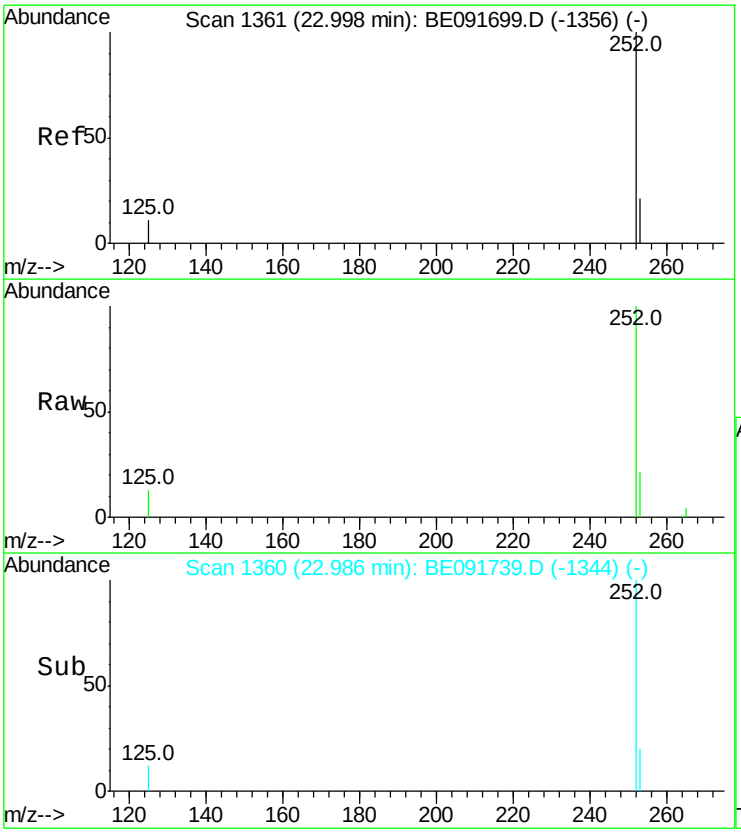
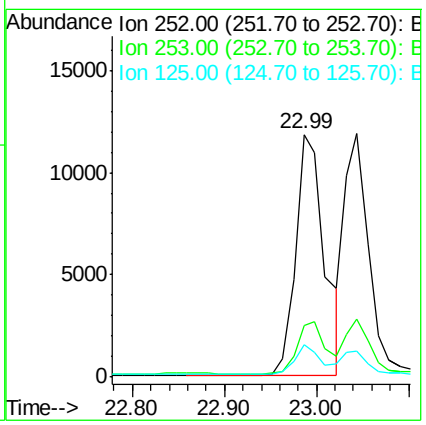
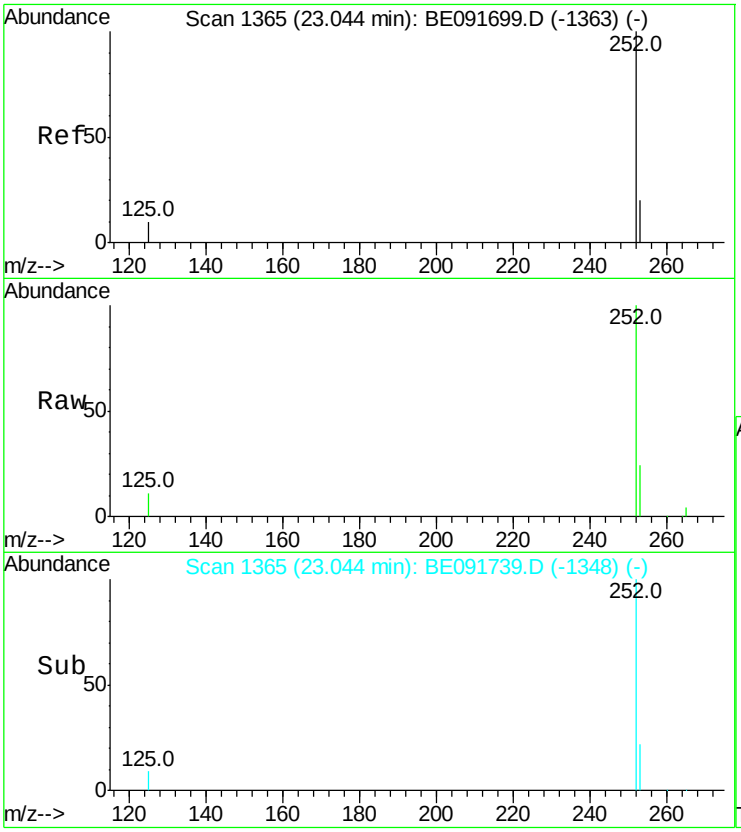


#36
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:252 Resp: 25779

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	13.3	10.2	15.2

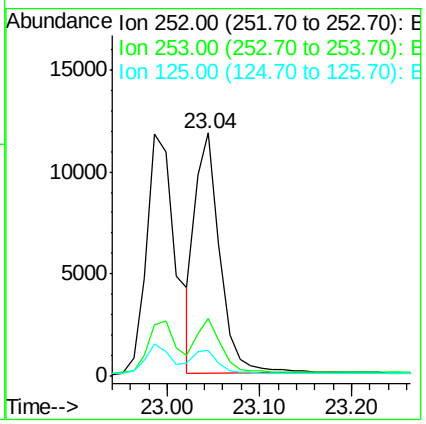




#37
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

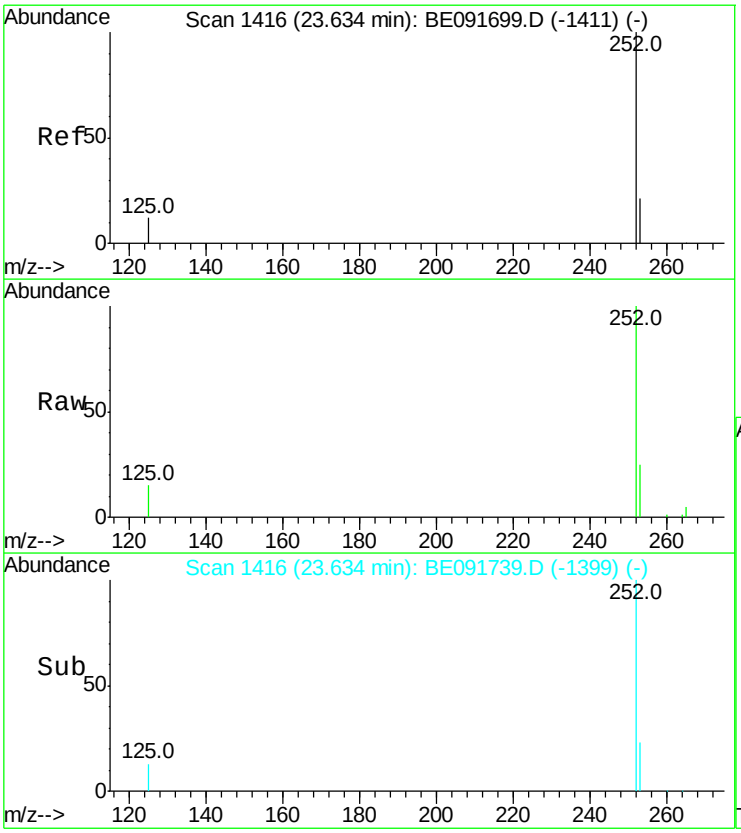
Tgt Ion:252 Resp: 21658

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	10.6	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

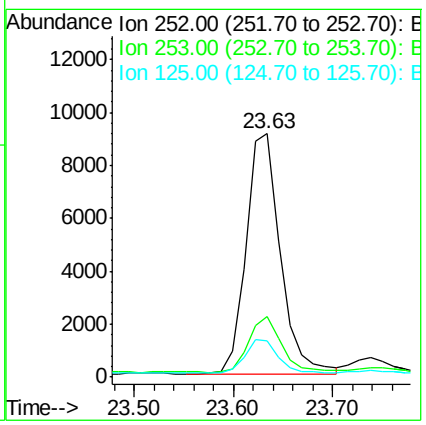
Manual Integrations APPROVED
sohil
4/30/2016 11:26:43 AM

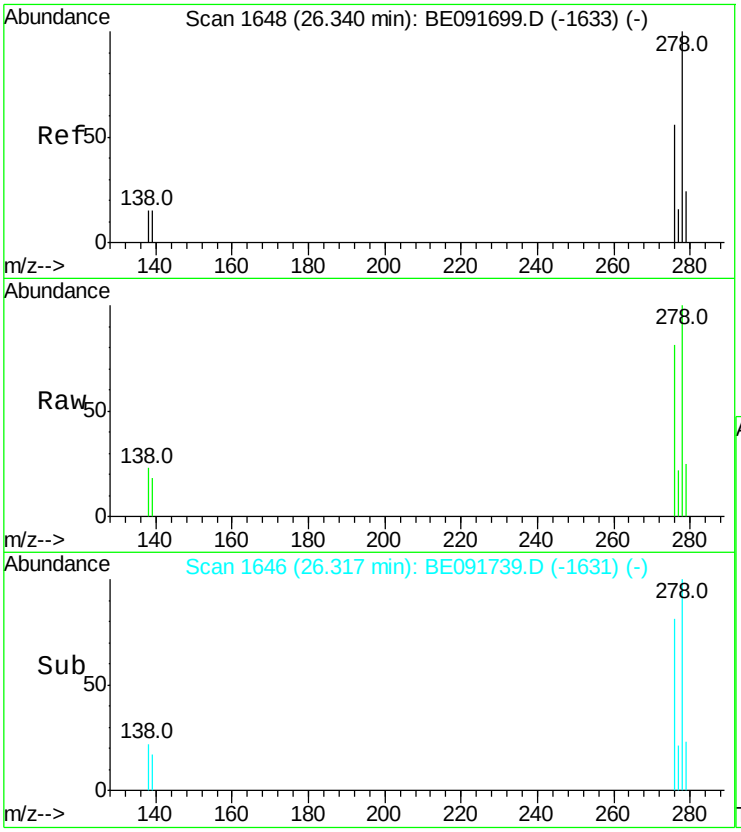


#38
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.63 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:252 Resp: 21649

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	14.7	11.0	16.4

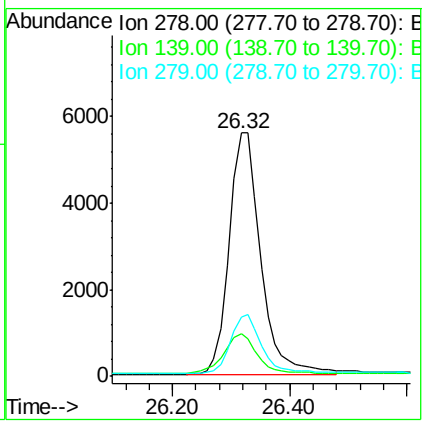




#39
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

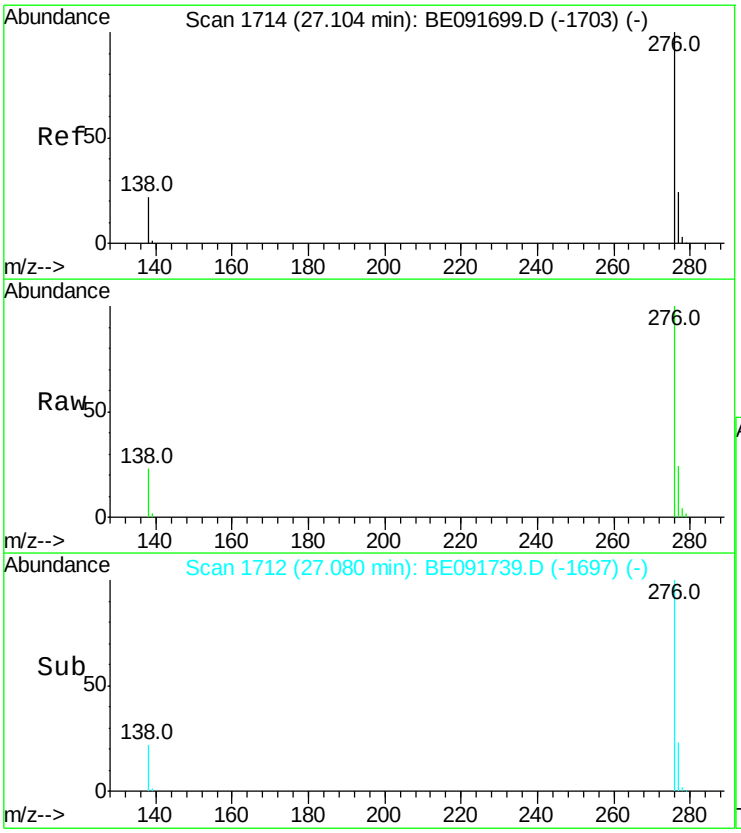
Tgt Ion:278 Resp: 20789

Ion	Ratio	Lower	Upper
278	100		
139	17.7	16.0	24.0
279	24.5	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
4/30/2016 11:26:43 AM



#40
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.08 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE091739.D
Acq: 29 Apr 2016 19:07

Tgt Ion:276 Resp: 20874

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	23.0	20.4	30.6