Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051816\
Data File : BE091798.D
Acq On : 18 May 2016 20:59
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 19 17:00:51 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	28487	5.00	ng		-0.02
7) Naphthalene-d8	10.57	136	147091	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	98310	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	286315	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	322629	5.00	ng		-0.02
35) Perylene-d12	23.73	264	298379	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2867	0.41	ng		0.00
5) Phenol-d6	6.96	99	4009	0.43	ng		0.00
8) Nitrobenzene-d5	8.95	82	3780	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	1396	0.53	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	10365	0.37	ng		-0.01
29) Terphenyl-d14	19.74	244	17987	0.36	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	1373	0.32	ng	#	93
3) n-Nitrosodimethylamine	3.63	42	1781	0.34	ng	#	99
6) bis(2-Chloroethyl)ether	7.21	93	3153	0.39	ng	#	75
9) Nitrobenzene	8.98	77	3789	0.38	ng	#	93
10) Naphthalene	10.61	128	12094	0.41	ng		99
11) Hexachlorobutadiene	10.90	225	1796m	0.41	ng		
12) 2-Methylnaphthalene	12.22	142	8108	0.42	ng		94
16) Acenaphthylene	14.12	152	16758	0.44	ng	#	76
17) Acenaphthene	14.46	154	9628	0.39	ng		89
18) Fluorene	15.44	166	12525	0.41	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	3878	0.38	ng		91
21) Hexachlorobenzene	16.45	284	3881	0.38	ng		98
22) Pentachlorophenol	16.79	266	1572	0.38	ng		92
23) Phenanthrene	17.17	178	23463	0.36	ng		98
24) Anthracene	17.26	178	22025	0.38	ng		99
25) Fluoranthene	19.19	202	26804	0.39	ng		96
27) Benzidine	19.38	184	4931	0.35	ng	#	84
28) Pyrene	19.55	202	28399	0.39	ng		99
30) Benzo(a)anthracene	21.27	228	29008m	0.37	ng		
31) 3,3'-Dichlorobenzidine	21.22	252	21896	0.54	ng	#	91
32) Chrysene	21.33	228	28781m	0.35	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	20014	0.84	ng	#	82
34) Indeno(1,2,3-cd)pyrene	26.27	276	32015	0.44	ng		95
36) Benzo(b)fluoranthene	22.97	252	27896	0.40	ng		97
37) Benzo(k)fluoranthene	23.03	252	29458	0.41	ng		94
38) Benzo(a)pyrene	23.61	252	27523	0.42	ng		95
39) Dibenzo(a,h)anthracene	26.29	278	26569	0.43	ng		97
40) Benzo(g,h,i)perylene	27.06	276	27082	0.43	ng		95

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051816\
Data File : BE091798.D
Acq On : 18 May 2016 20:59
Operator : UM/SJ
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 19 17:00:51 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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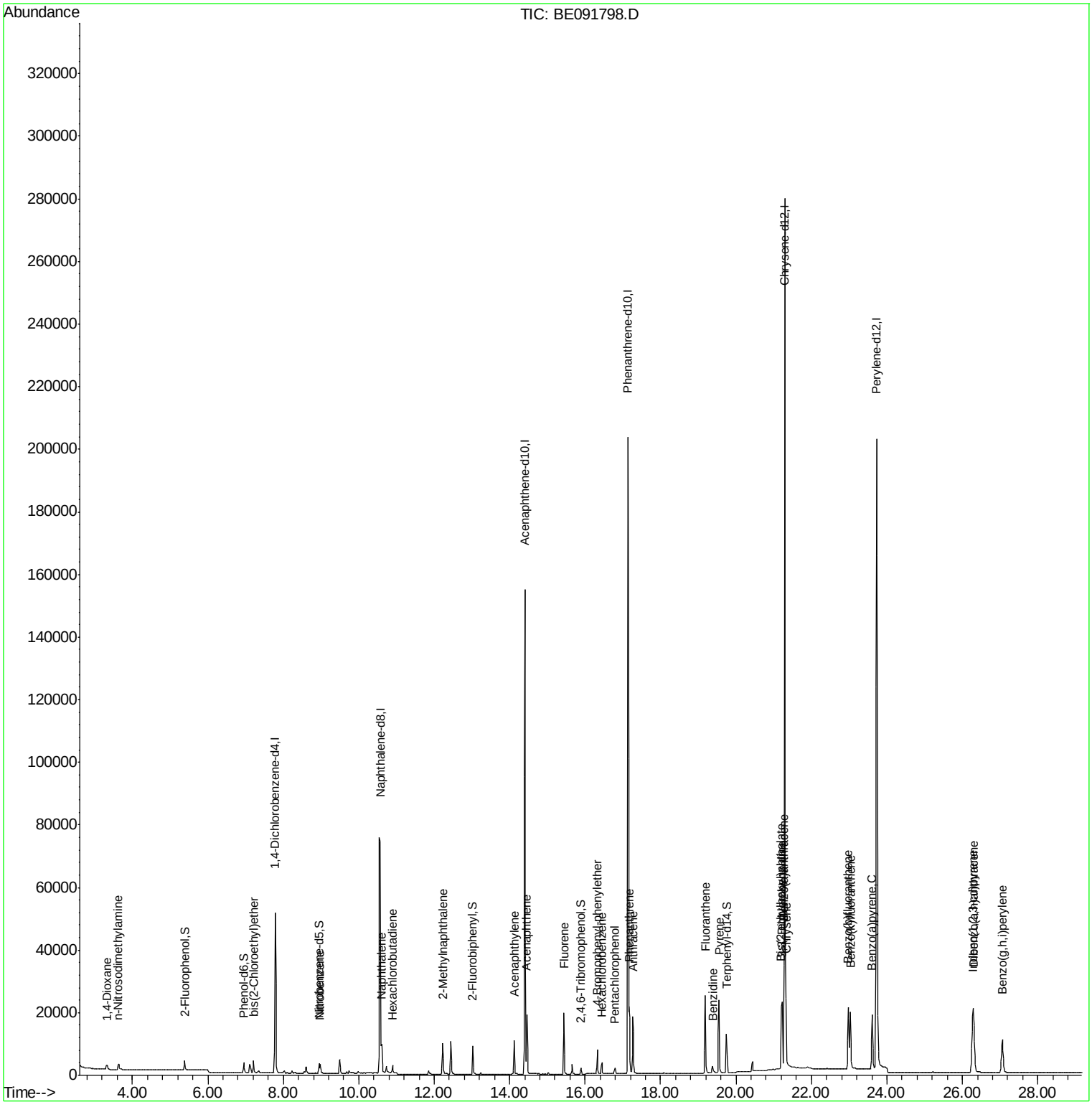
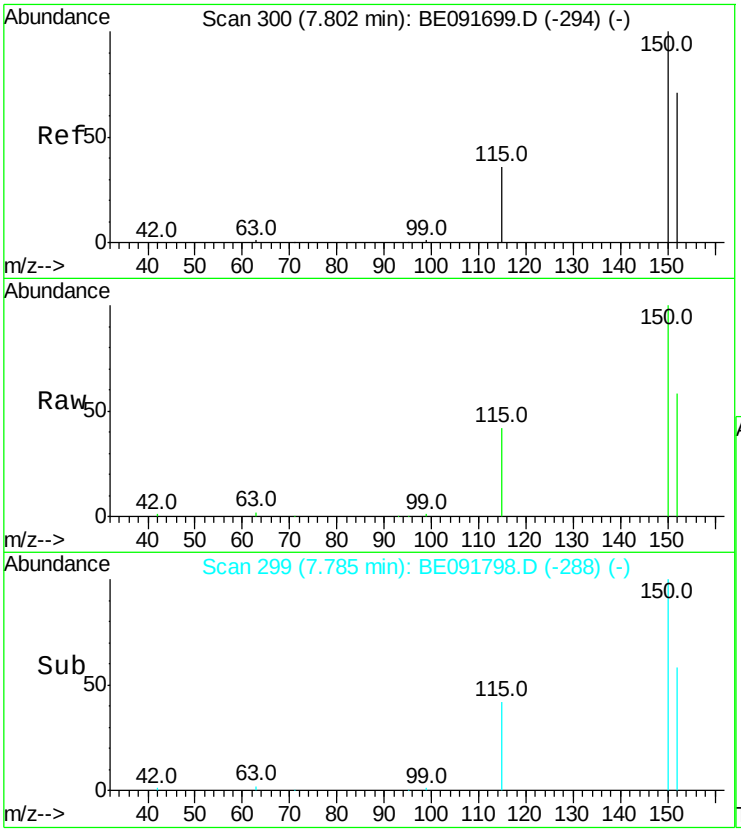
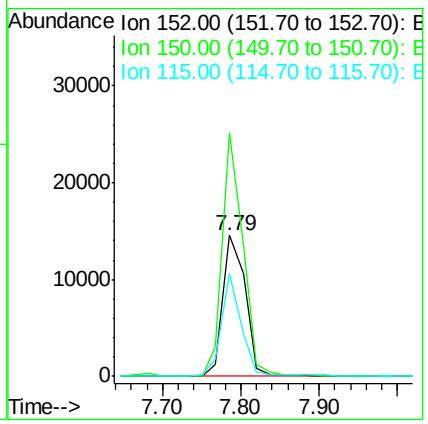




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:152 Resp: 28487

Ion	Ratio	Lower	Upper
152	100		
150	172.6	122.6	183.8
115	73.3	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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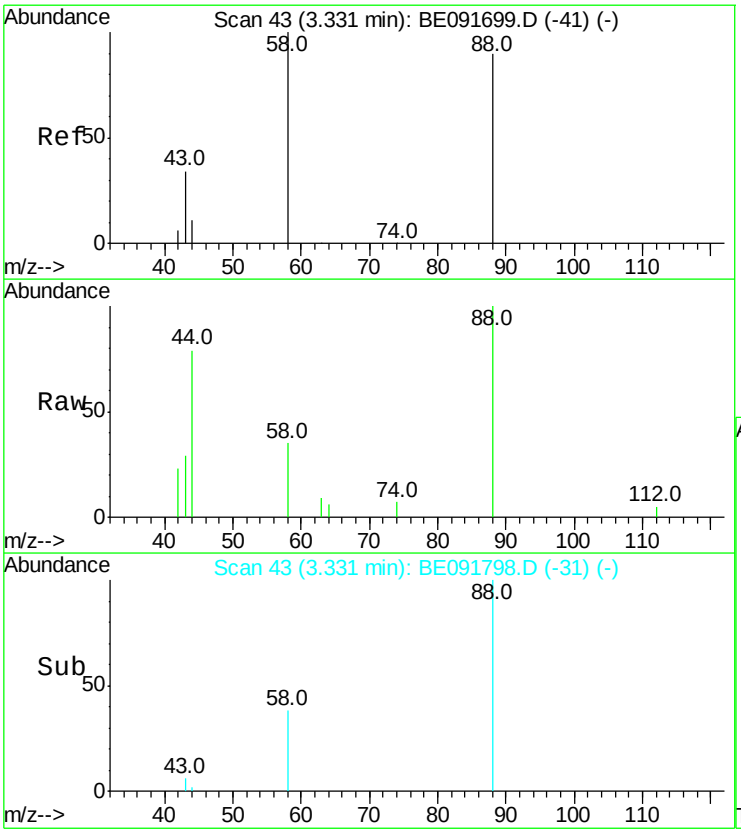
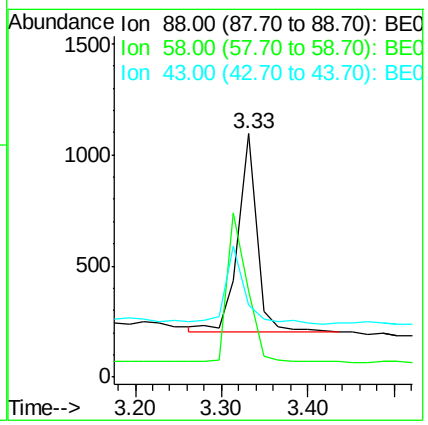
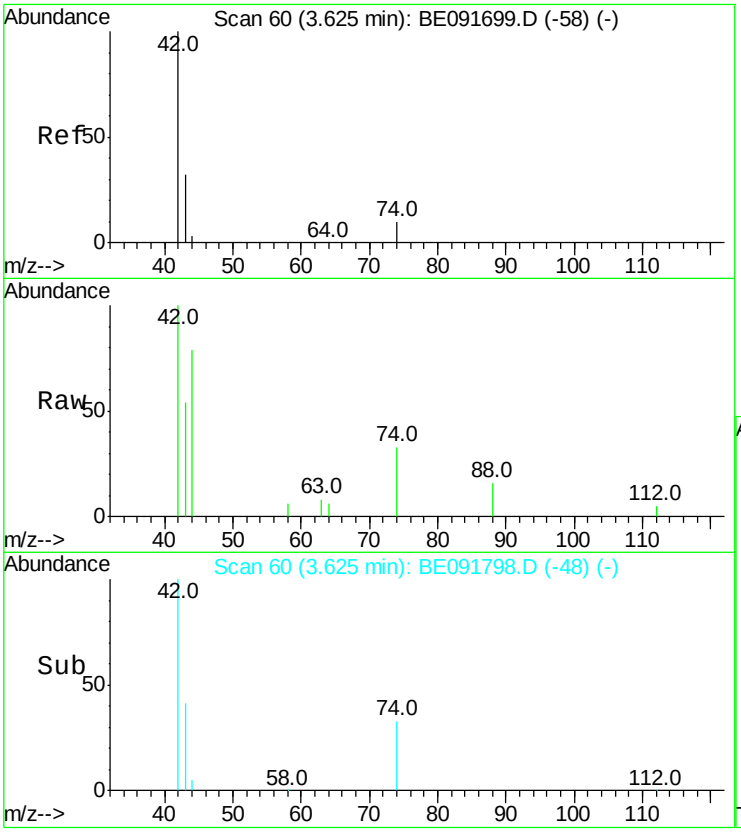


#2
1,4-Dioxane
Concen: 0.32 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion: 88 Resp: 1373

Ion	Ratio	Lower	Upper
88	100		
58	79.6	65.8	98.6
43	41.3	25.3	37.9#

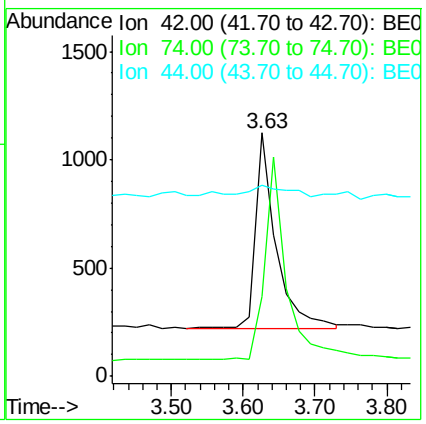




#3
n-Nitrosodimethylamine
Concen: 0.34 ng
RT: 3.63 min Scan# 60
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion: 42 Resp: 1781

Ion	Ratio	Lower	Upper
42	100		
74	110.5	87.9	131.9
44	12.1	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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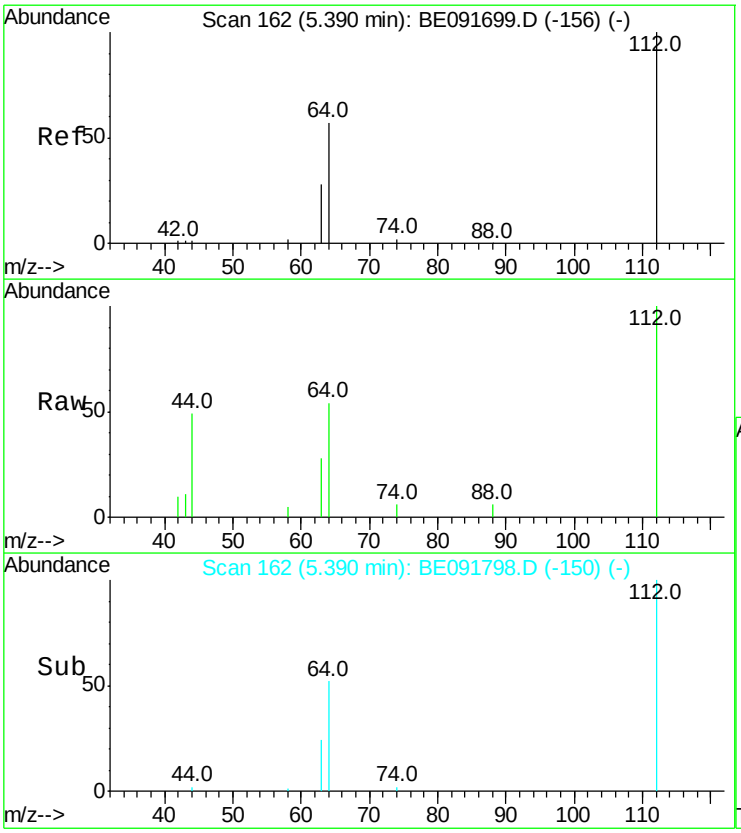
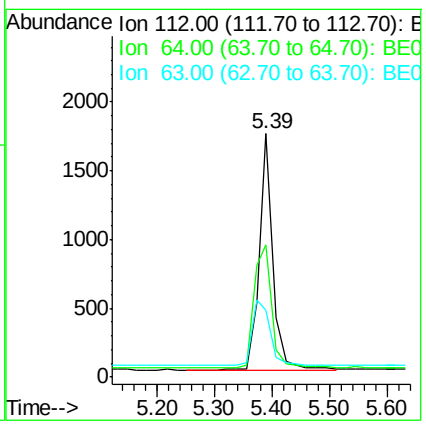
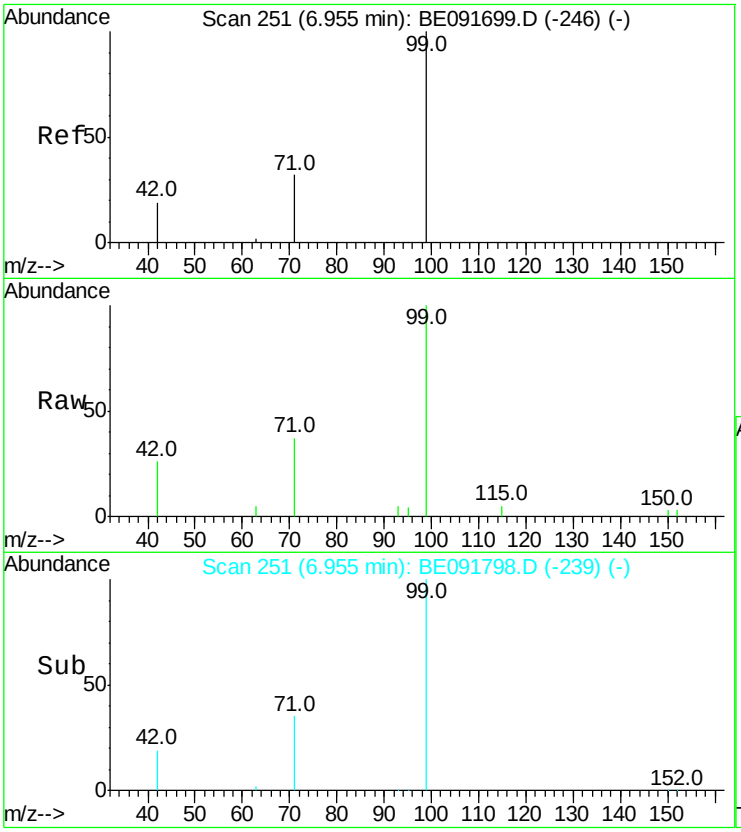


#4
2-Fluorophenol
Concen: 0.41 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:112 Resp: 2867

Ion	Ratio	Lower	Upper
112	100		
64	67.6	30.9	46.3#
63	35.6	16.7	25.1#





#5
Phenol-d6
Concen: 0.43 ng
RT: 6.96 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion: 99 Resp: 4009

Ion	Ratio	Lower	Upper
99	100		
42	25.3	16.2	24.2#
71	36.8	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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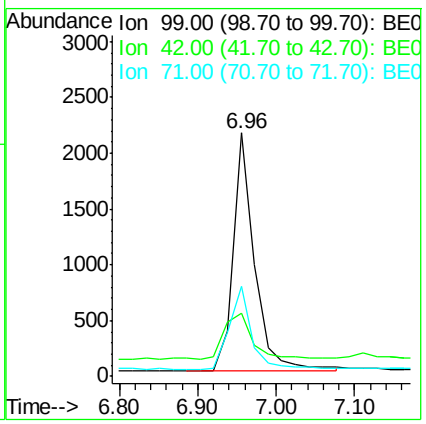
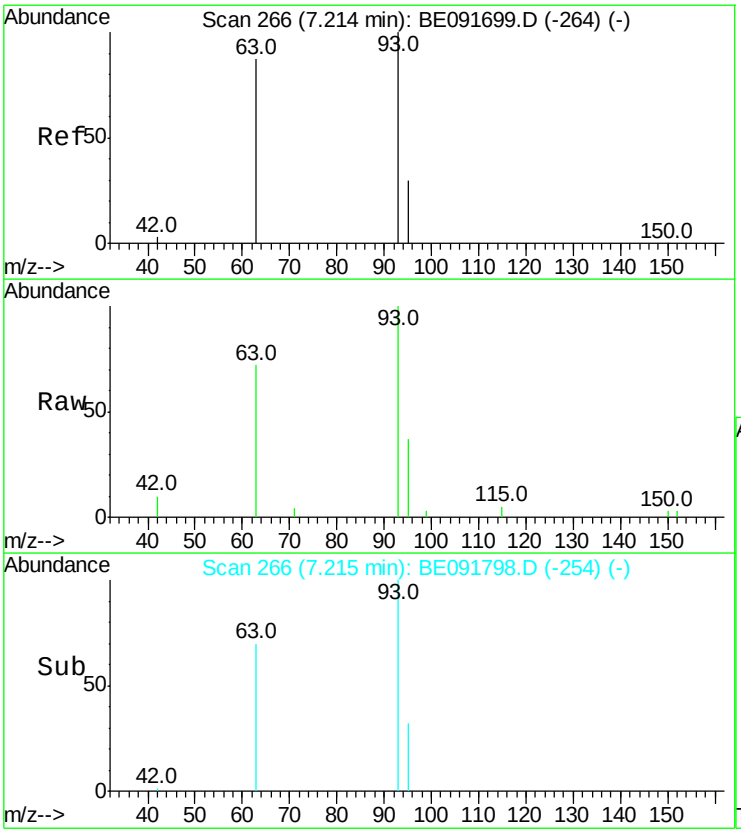
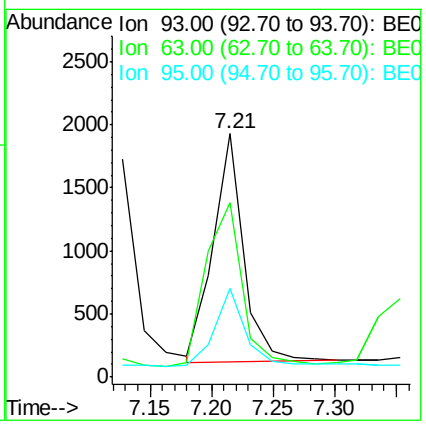


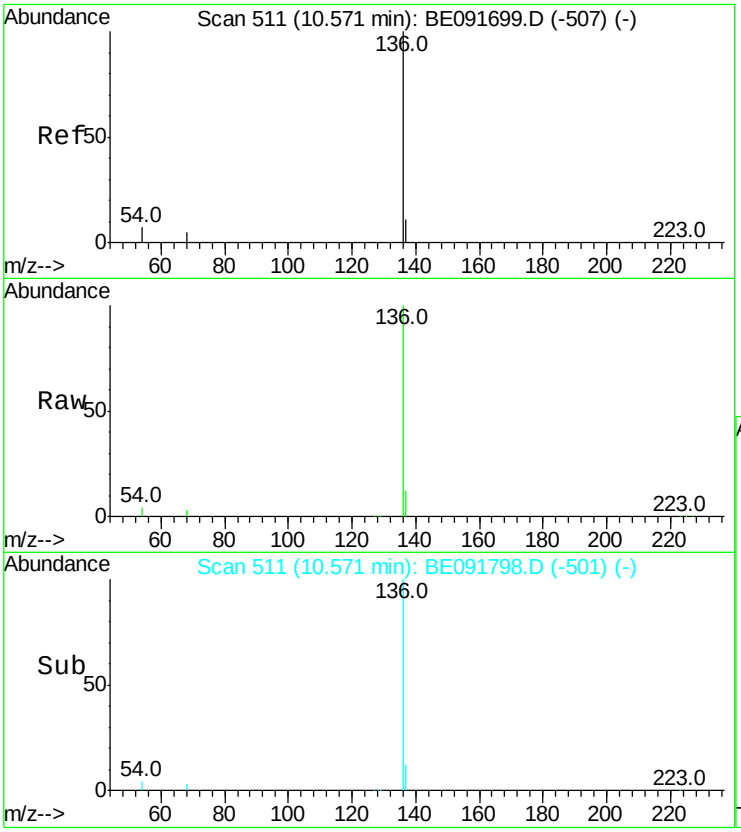


#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.21 min Scan# 266
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion: 93 Resp: 3153

Ion	Ratio	Lower	Upper
93	100		
63	84.9	49.5	74.3#
95	35.0	22.2	33.4#

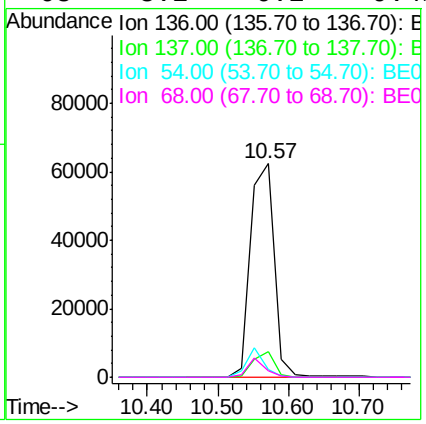




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:136 Resp: 147091

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.9	13.3
54	3.7	8.2	12.4#
68	3.2	6.2	9.4#



Instrument :
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ClientSampleId :
SSTDCCC0.4EC

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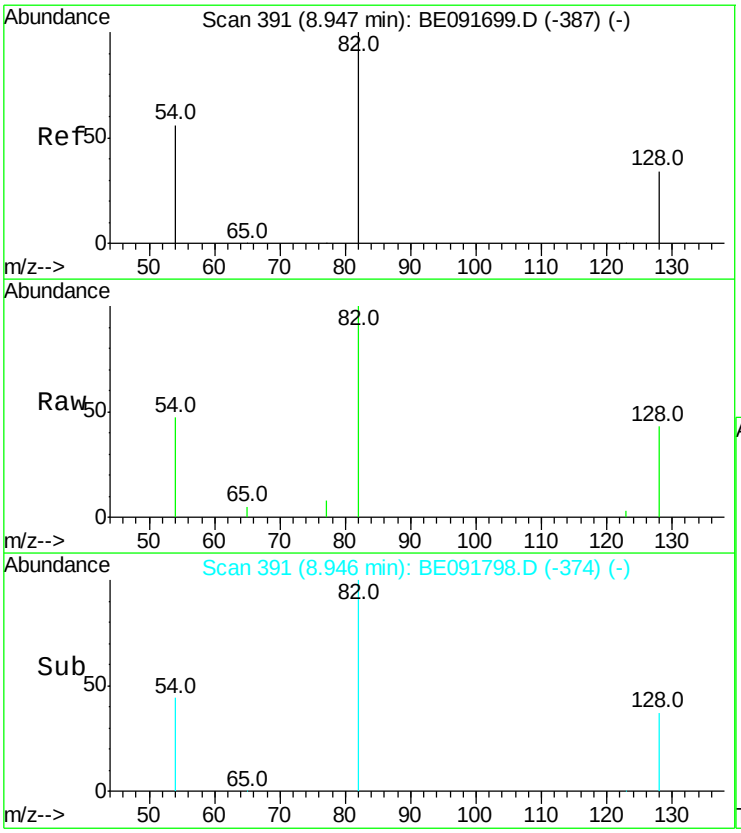
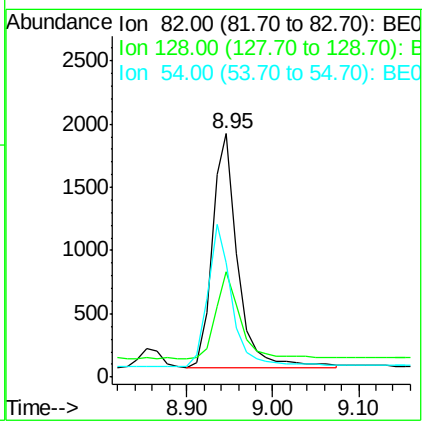
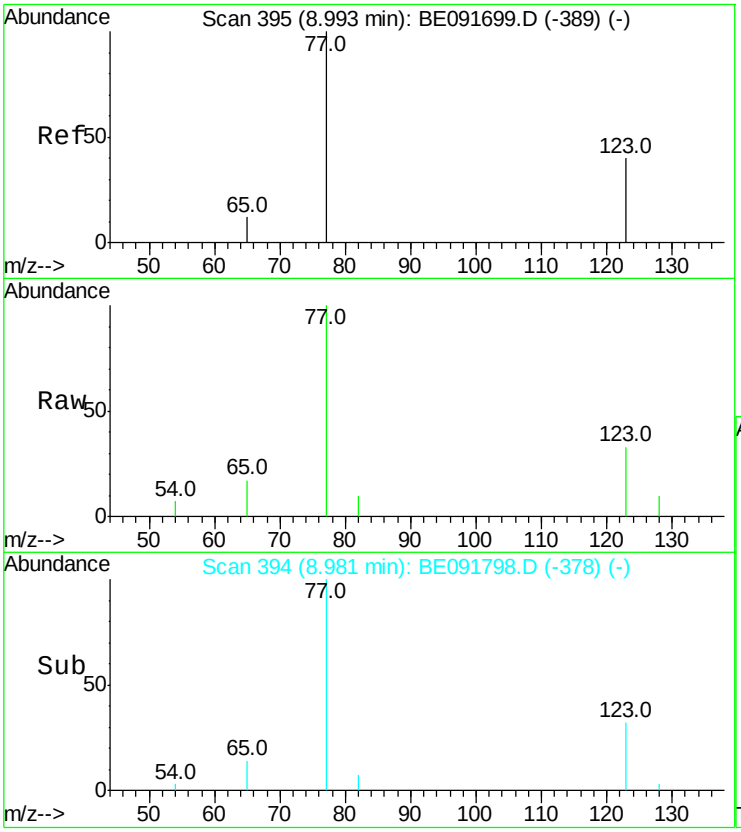


#8
Nitrobenzene-d5
Concen: 0.40 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion: 82 Resp: 3780

Ion	Ratio	Lower	Upper
82	100		
128	43.4	25.4	38.0#
54	46.9	48.4	72.6#

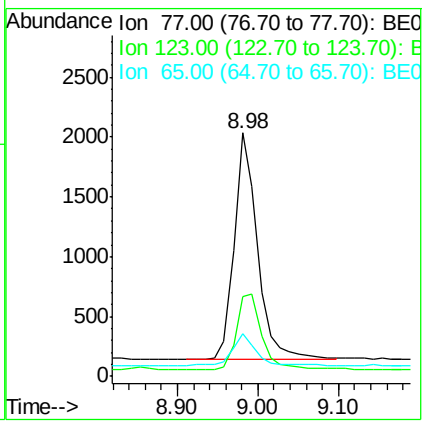




#9
Nitrobenzene
Concen: 0.38 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion: 77 Resp: 3789

Ion	Ratio	Lower	Upper
77	100		
123	37.2	26.9	40.3
65	15.1	9.4	14.2#



Instrument :
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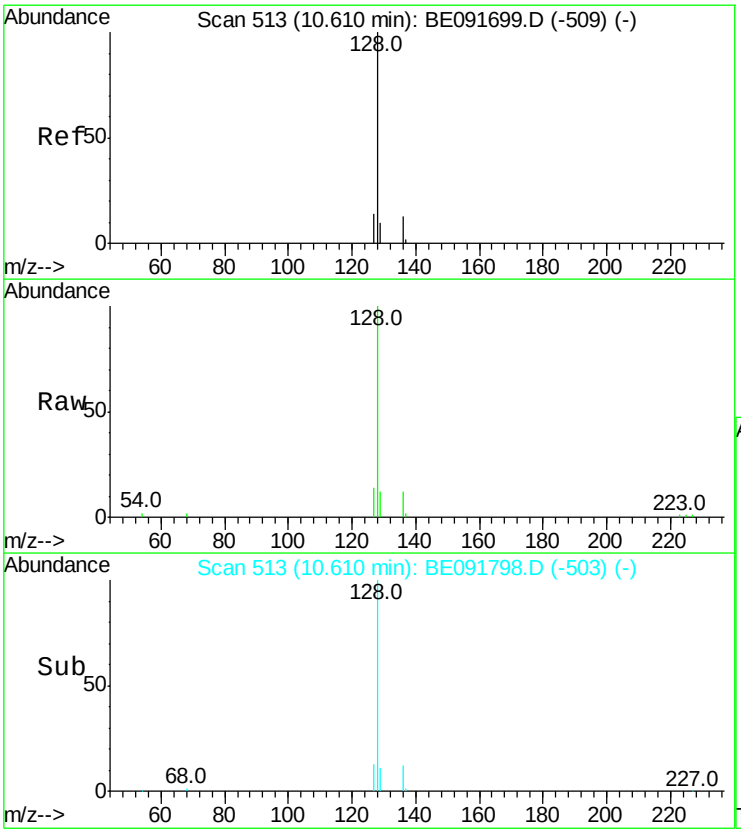
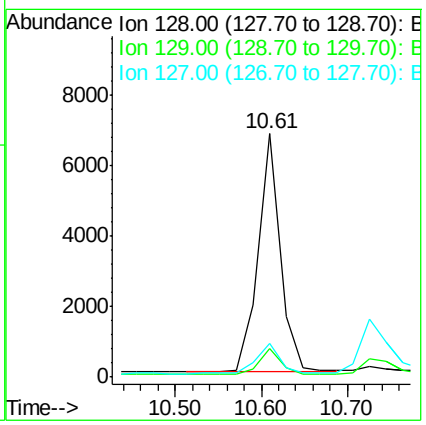
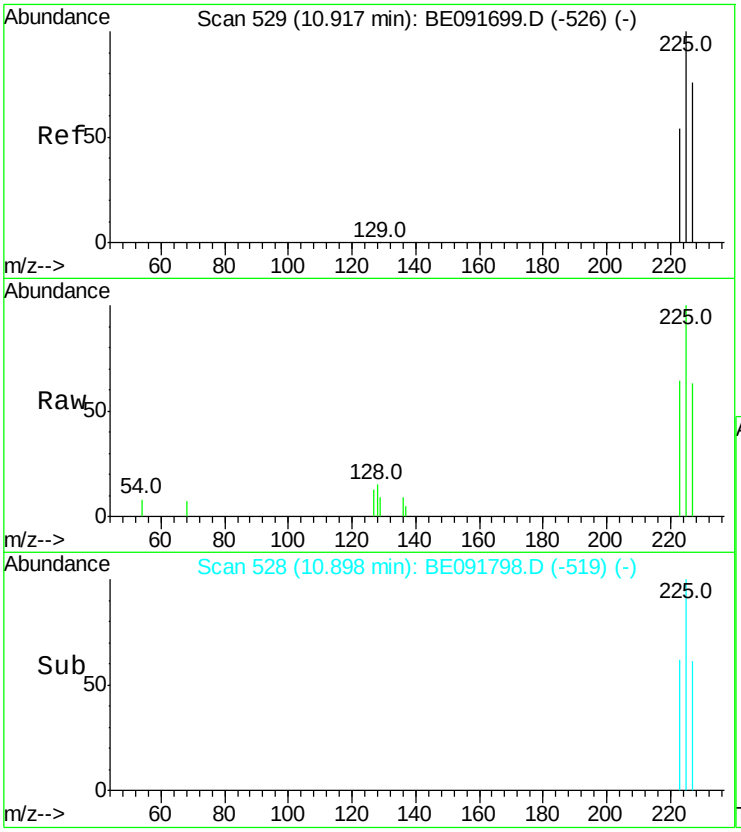


#10
Naphthalene
Concen: 0.41 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:128 Resp: 12094

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	13.9	10.7	16.1

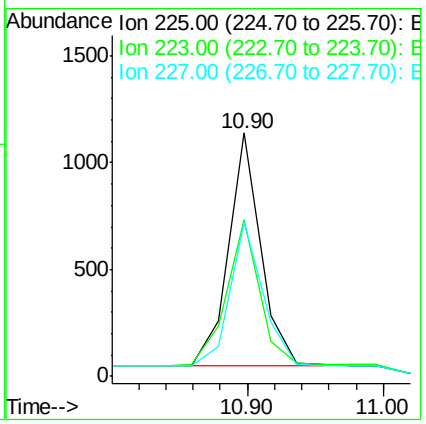




#11
Hexachlorobutadiene
Concen: 0.41 ng m
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:225 Resp: 1796

Ion	Ratio	Lower	Upper
225	100		
223	96.4	49.0	73.6#
227	96.7	50.3	75.5#



Instrument :
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ClientSampleId :
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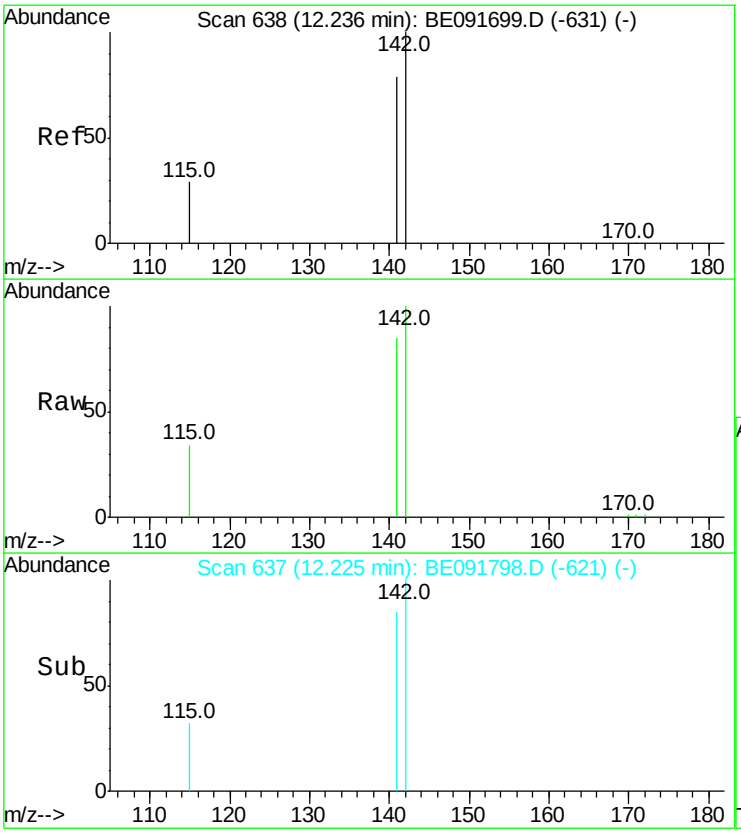
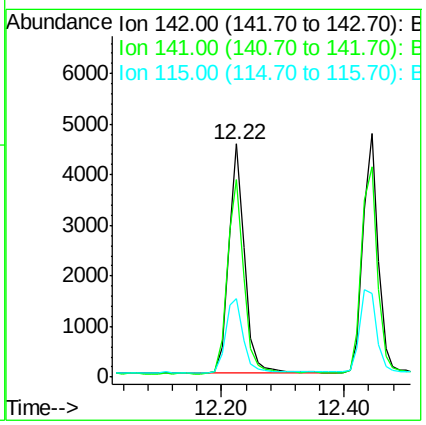
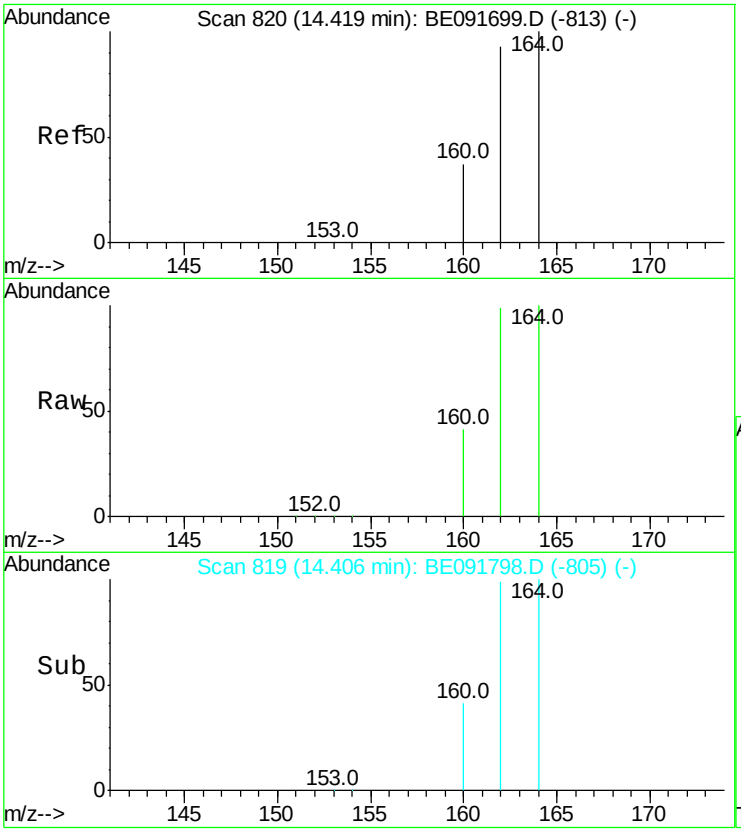


#12
2-Methylnaphthalene
Concen: 0.42 ng
RT: 12.22 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:142 Resp: 8108

Ion	Ratio	Lower	Upper
142	100		
141	84.6	71.4	107.0
115	33.6	30.3	45.5

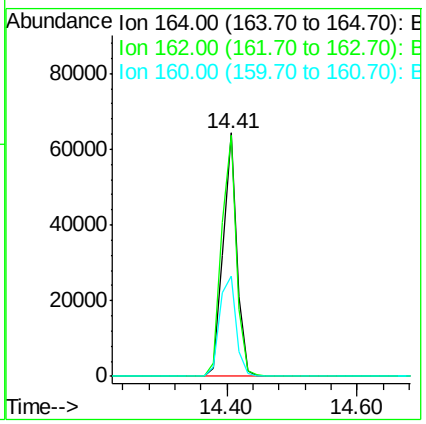




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:164 Resp: 98310

Ion	Ratio	Lower	Upper
164	100		
162	99.1	85.3	127.9
160	41.3	46.2	69.2#



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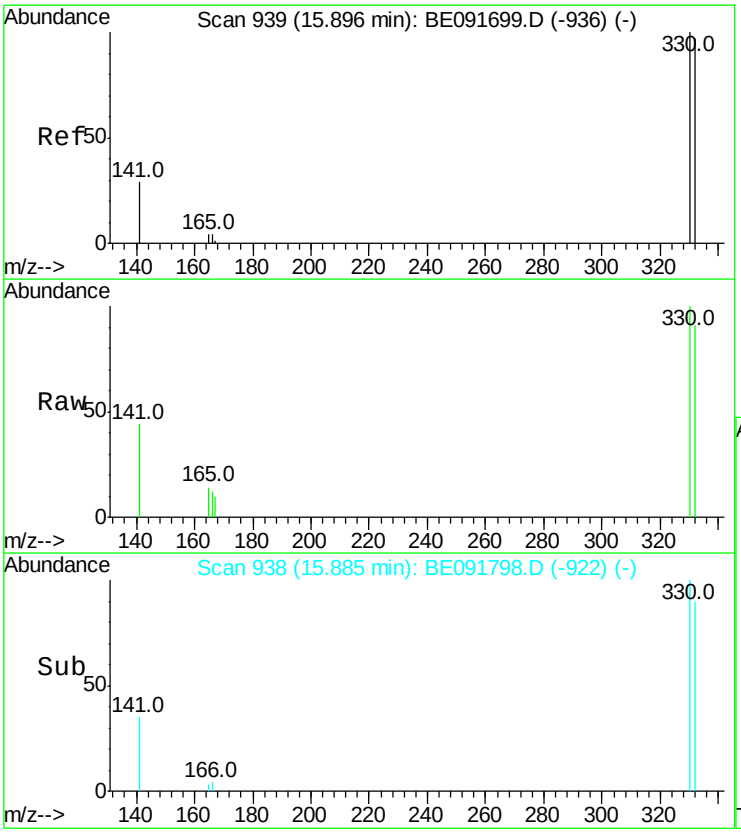
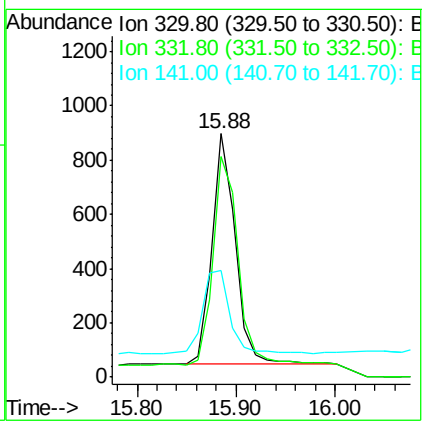
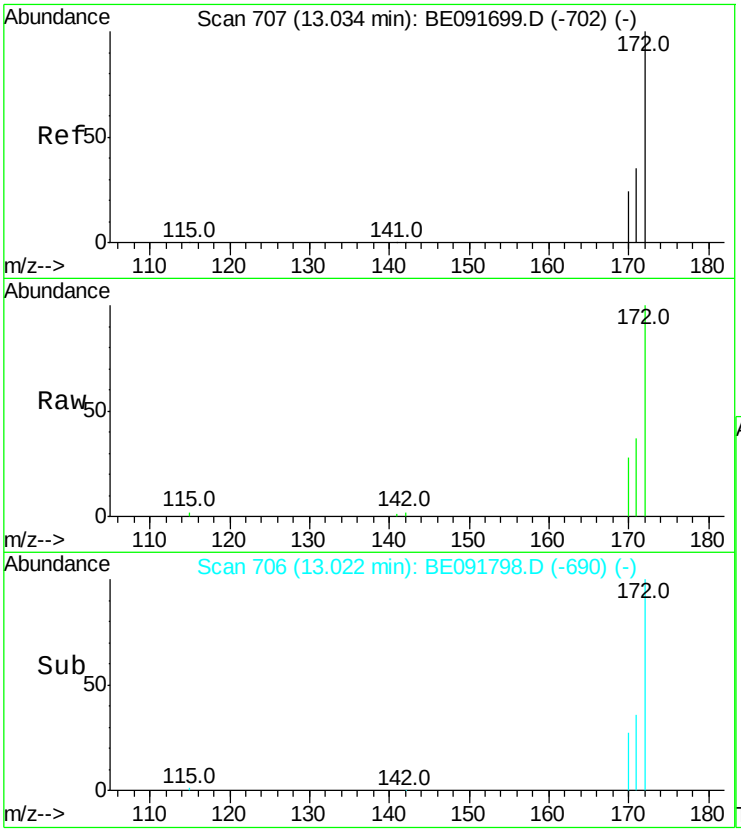


#14
2,4,6-Tribromophenol
Concen: 0.53 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:330 Resp: 1396

Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.1	118.7
141	41.0	125.4	188.0#

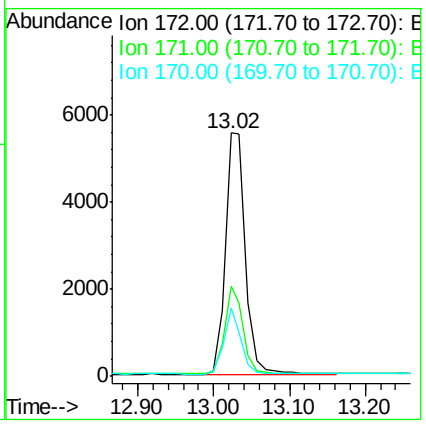




#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:172 Resp: 10365

Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.8	43.2
170	28.2	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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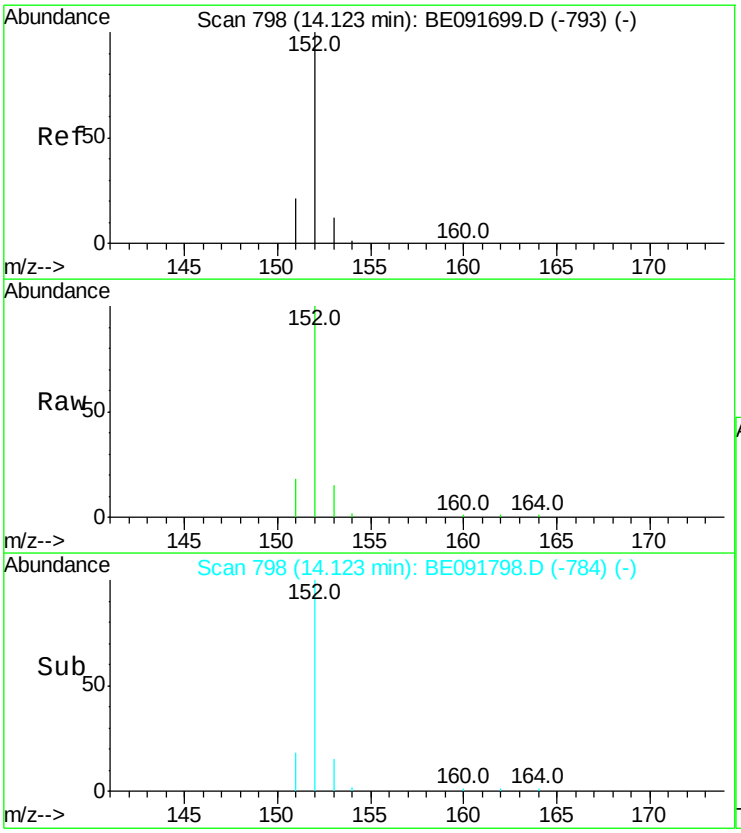
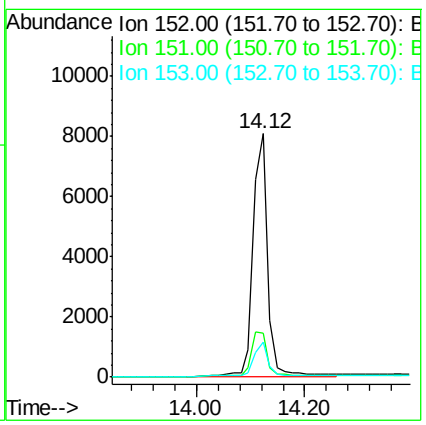
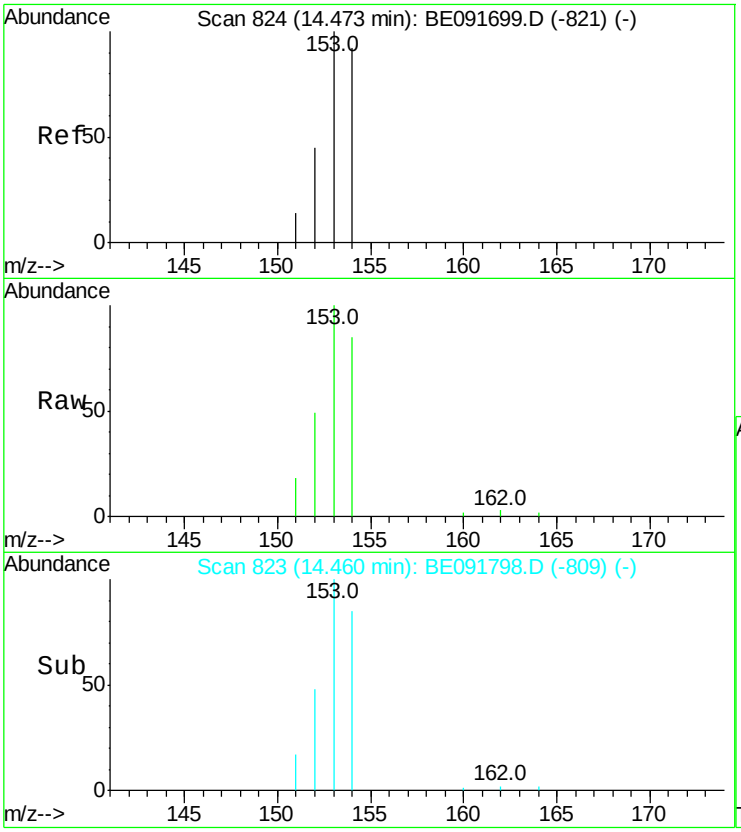


#16
Acenaphthylene
Concen: 0.44 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:152 Resp: 16758

Ion	Ratio	Lower	Upper
152	100		
151	22.9	3.9	5.9#
153	18.1	10.3	15.5#

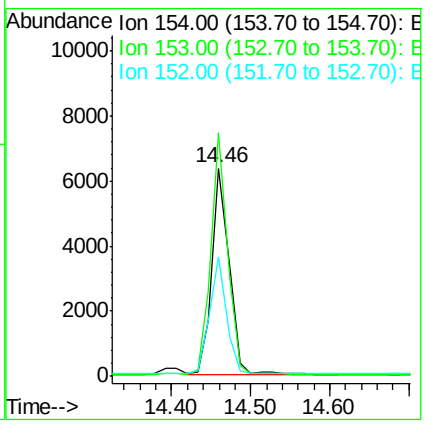




#17
Acenaphthene
Concen: 0.39 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:154 Resp: 9628

Ion	Ratio	Lower	Upper
154	100		
153	112.5	80.0	120.0
152	55.6	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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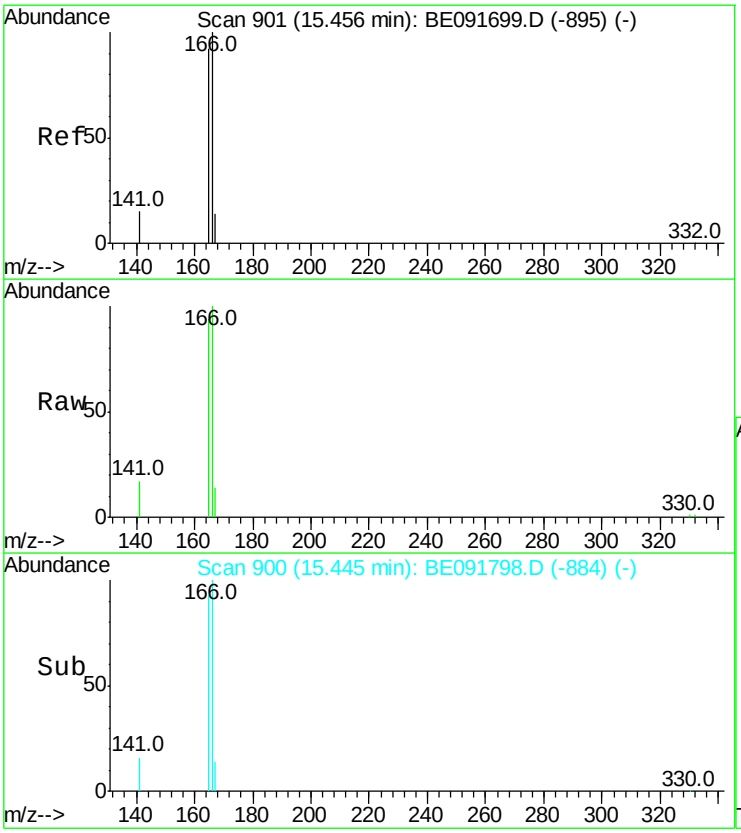
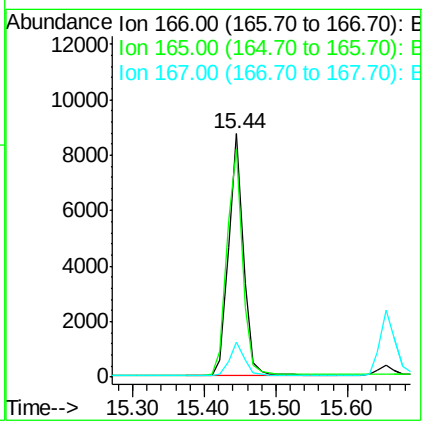
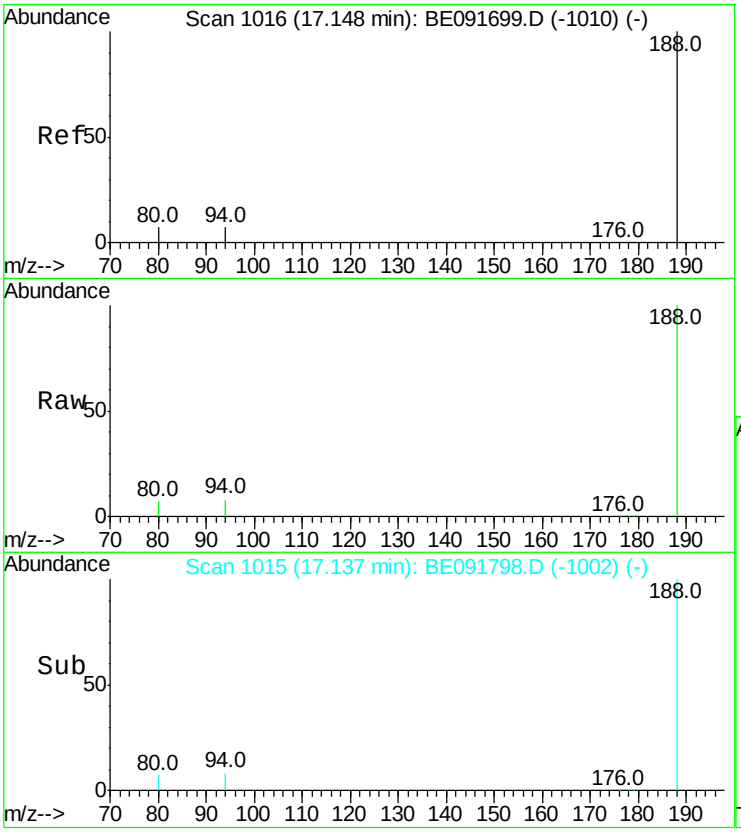


#18
Fluorene
Concen: 0.41 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:166 Resp: 12525

Ion	Ratio	Lower	Upper
166	100		
165	98.7	80.8	121.2
167	13.6	10.9	16.3

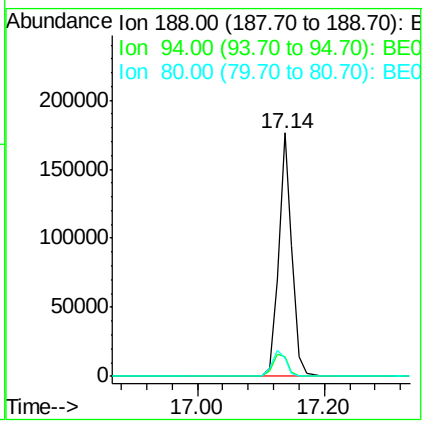




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:188 Resp: 286315

Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.7	13.1#
80	7.4	9.4	14.0#



Instrument :
BNA_E
ClientSampleId :
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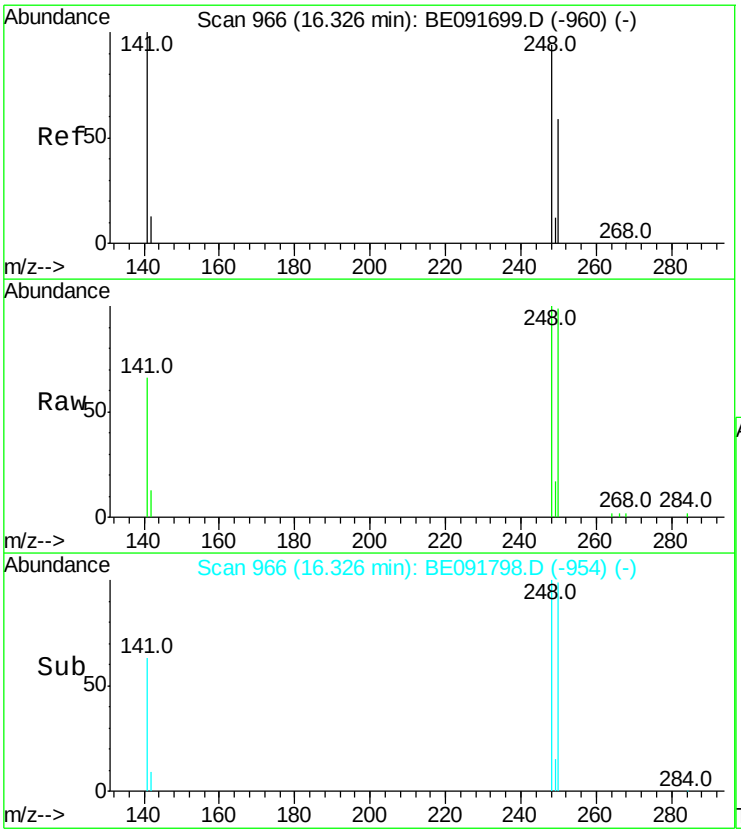
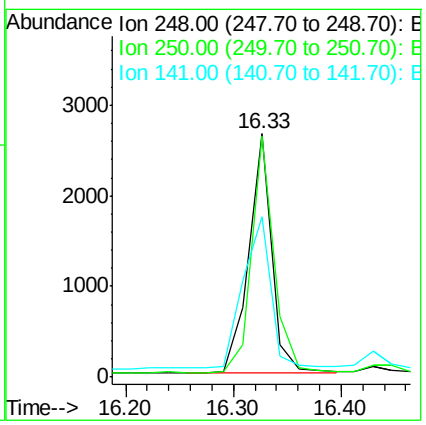
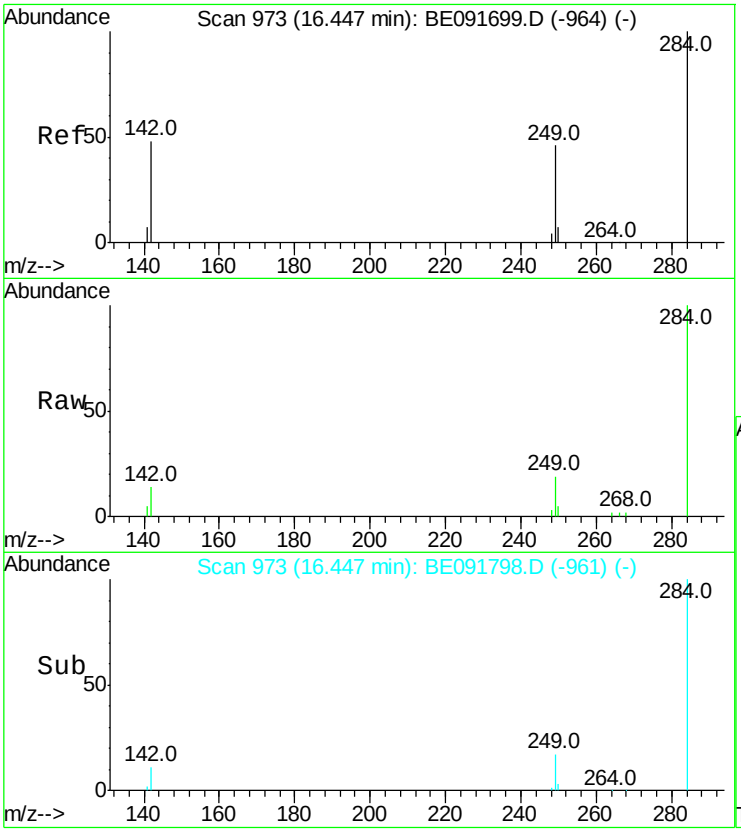


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:248 Resp: 3878

Ion	Ratio	Lower	Upper
248	100		
250	96.7	80.5	120.7
141	77.1	72.0	108.0

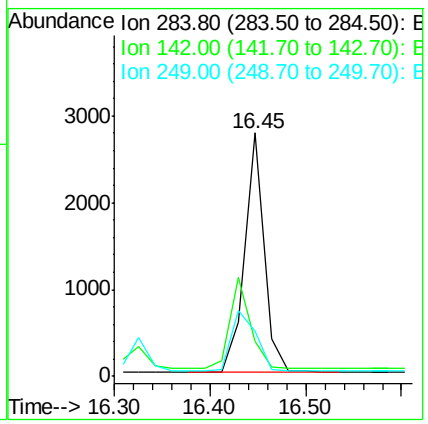




#21
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:284 Resp: 3881

Ion	Ratio	Lower	Upper
284	100		
142	38.7	32.2	48.2
249	32.6	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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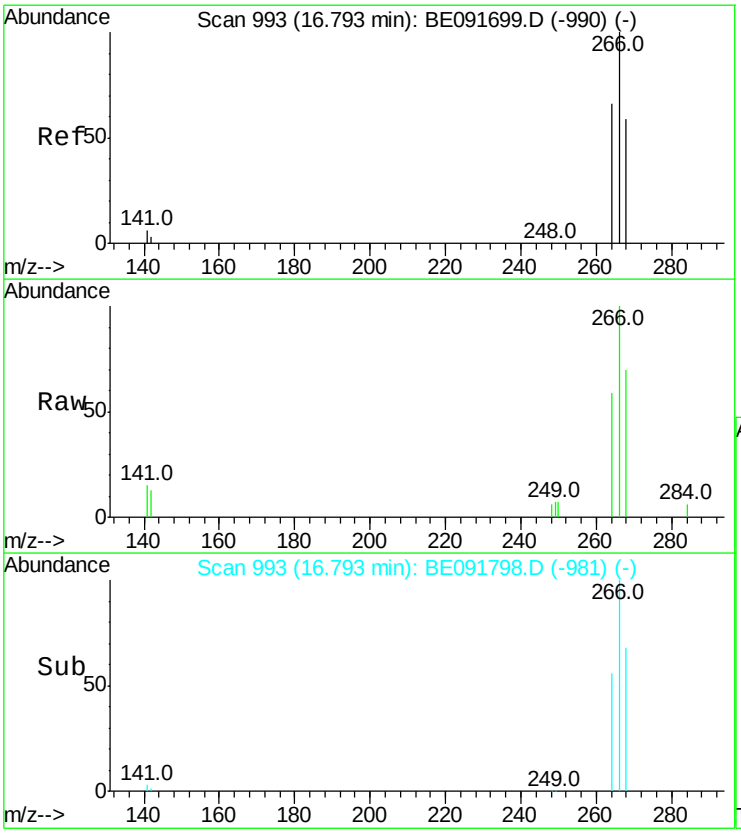
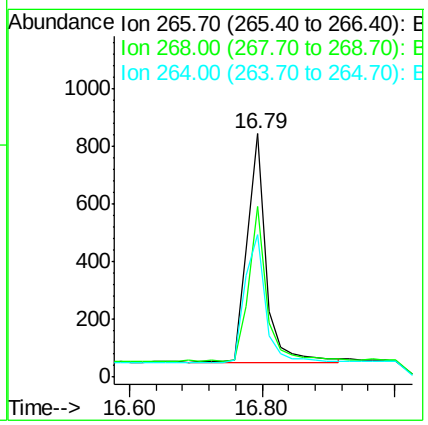
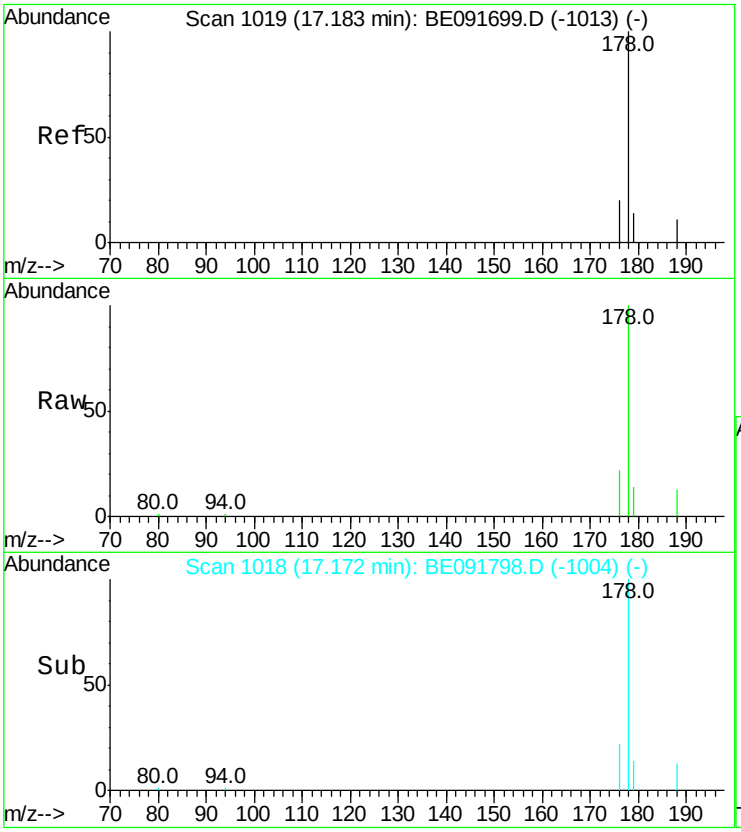


#22
Pentachlorophenol
Concen: 0.38 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:266 Resp: 1572

Ion	Ratio	Lower	Upper
266	100		
268	70.2	58.2	87.2
264	58.6	56.2	84.4

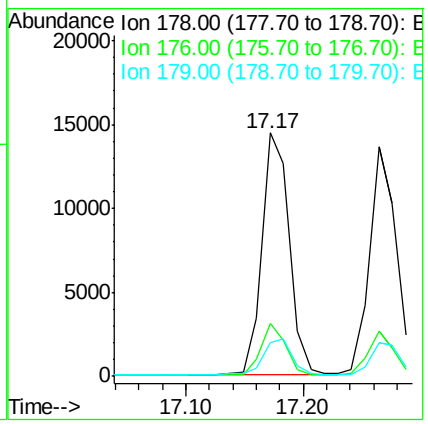




#23
Phenanthrene
Concen: 0.36 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:178 Resp: 23463

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.7	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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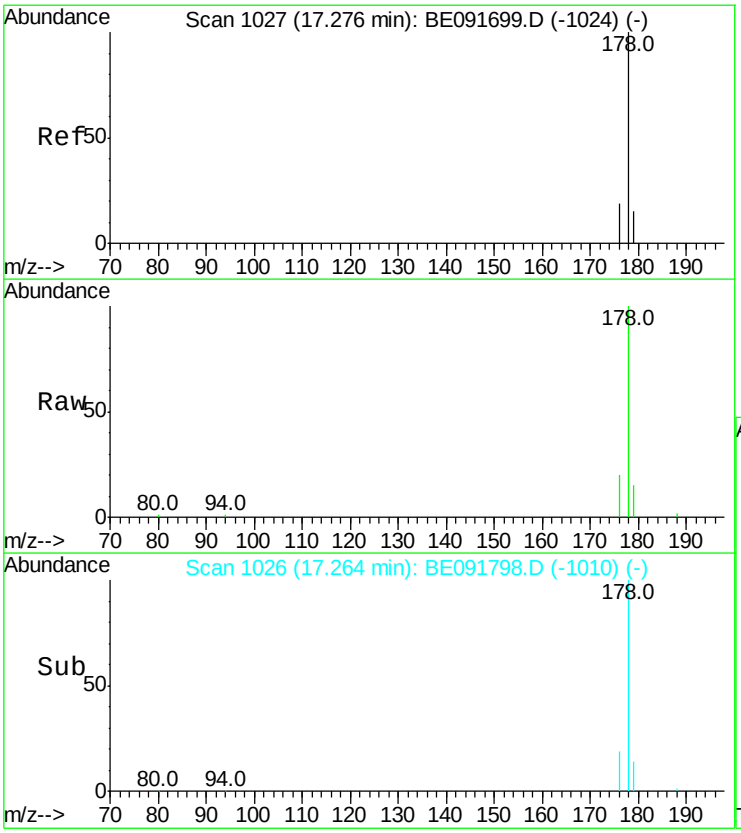
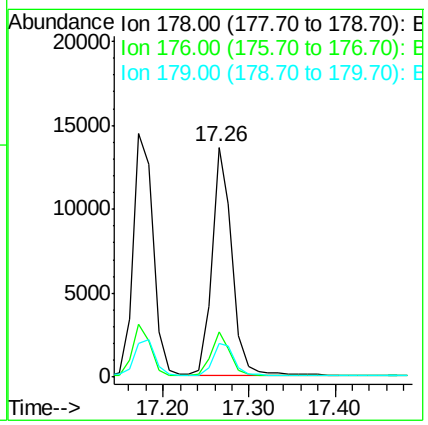
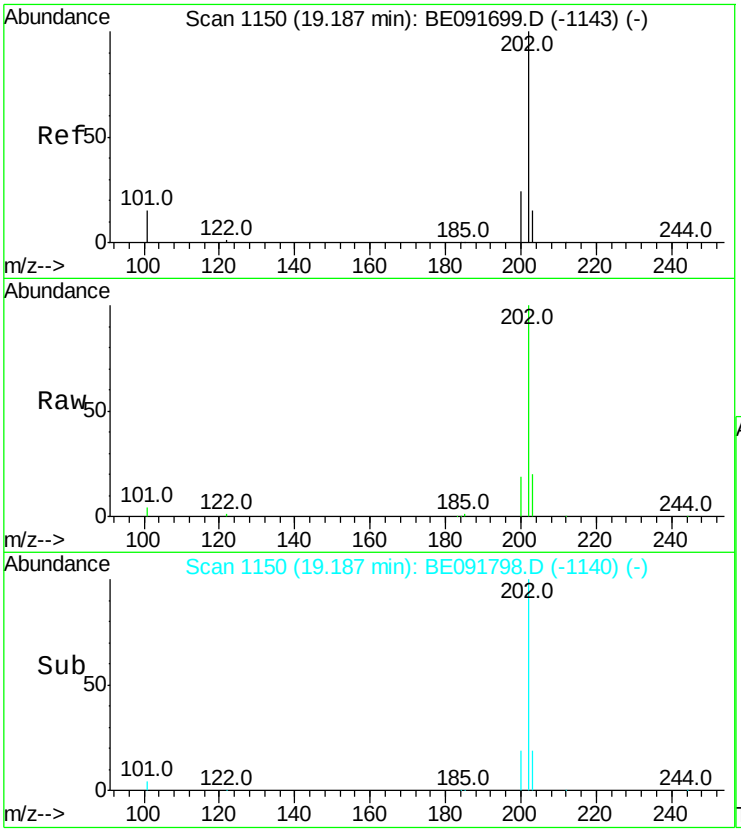


#24
Anthracene
Concen: 0.38 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:178 Resp: 22025

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.1	11.8	17.6

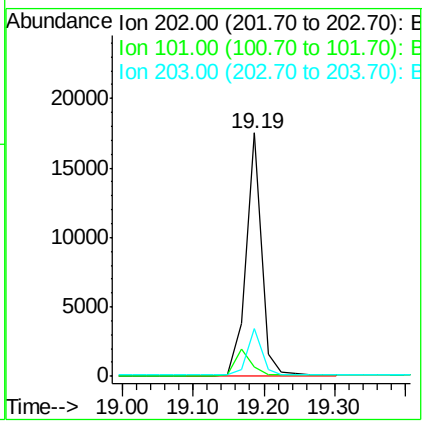




#25
Fluoranthene
Concen: 0.39 ng
RT: 19.19 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:202 Resp: 26804

Ion	Ratio	Lower	Upper
202	100		
101	11.4	11.0	16.6
203	18.4	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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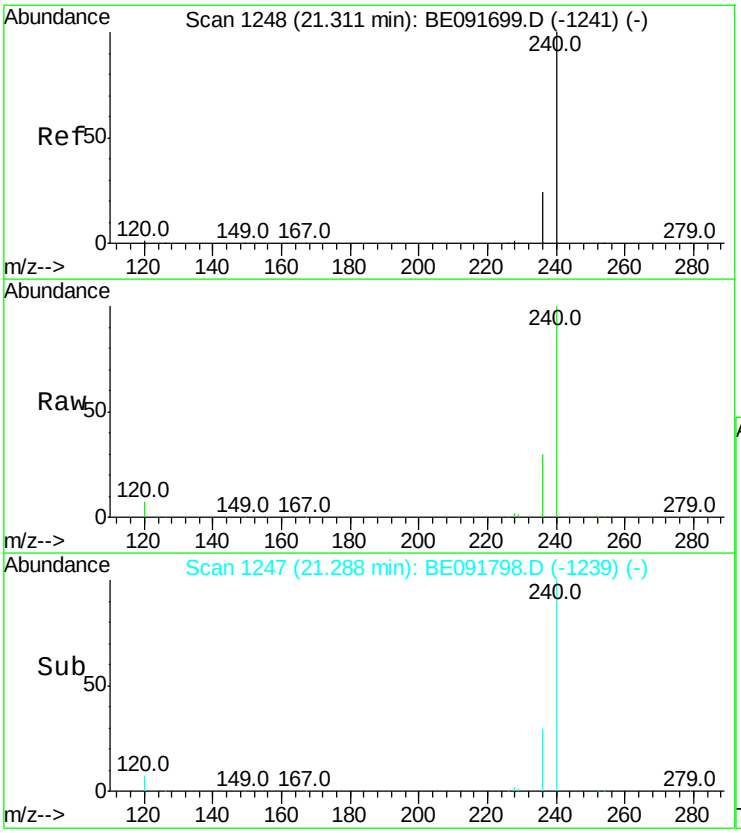
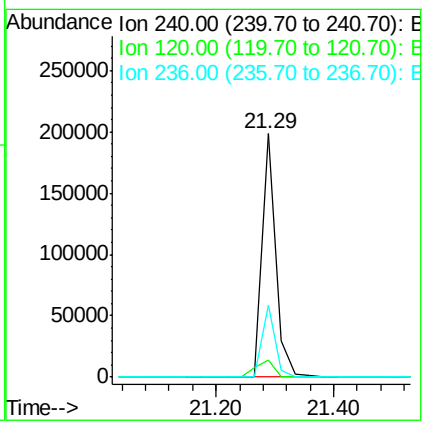
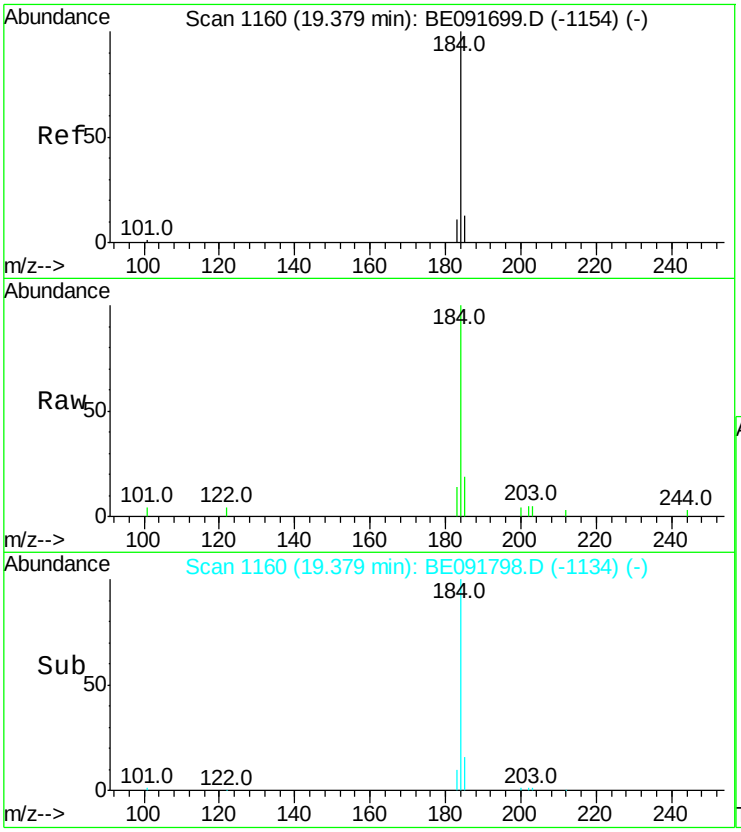


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:240 Resp: 322629

Ion	Ratio	Lower	Upper
240	100		
120	6.9	11.0	16.4#
236	29.6	21.7	32.5





#27
Benzidine
Concen: 0.35 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:184 Resp: 4931

Ion	Ratio	Lower	Upper
184	100		
185	19.1	22.3	33.5#
183	13.5	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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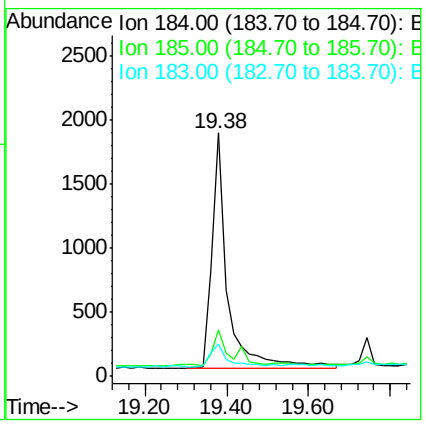
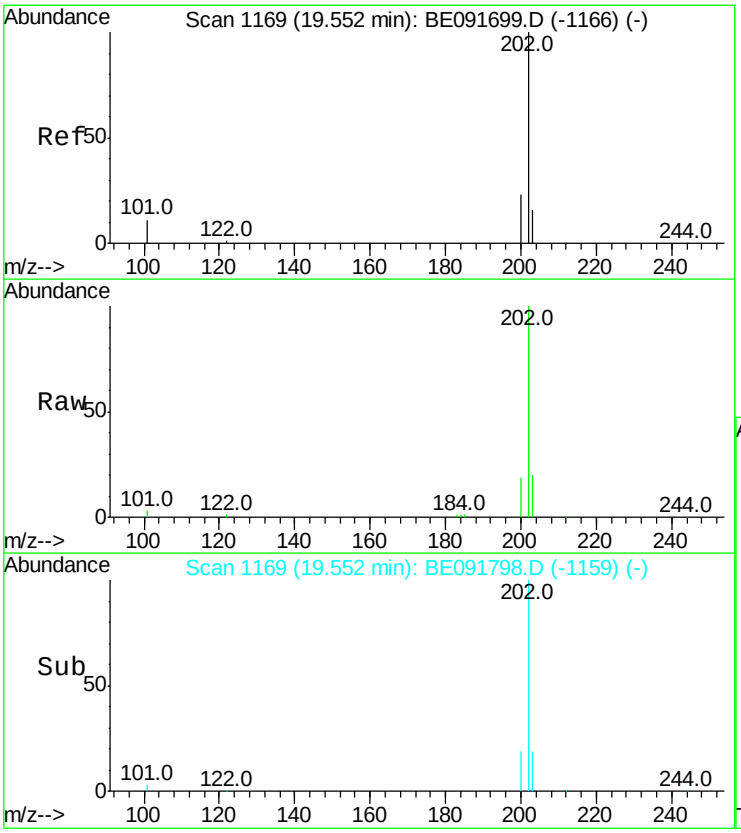
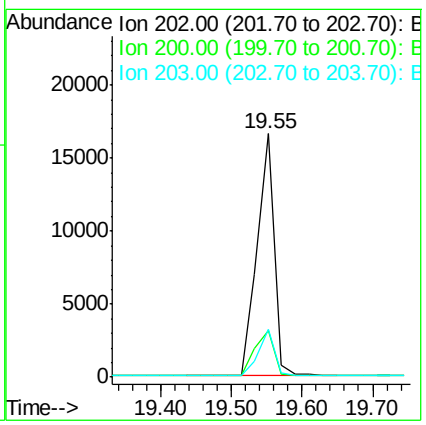


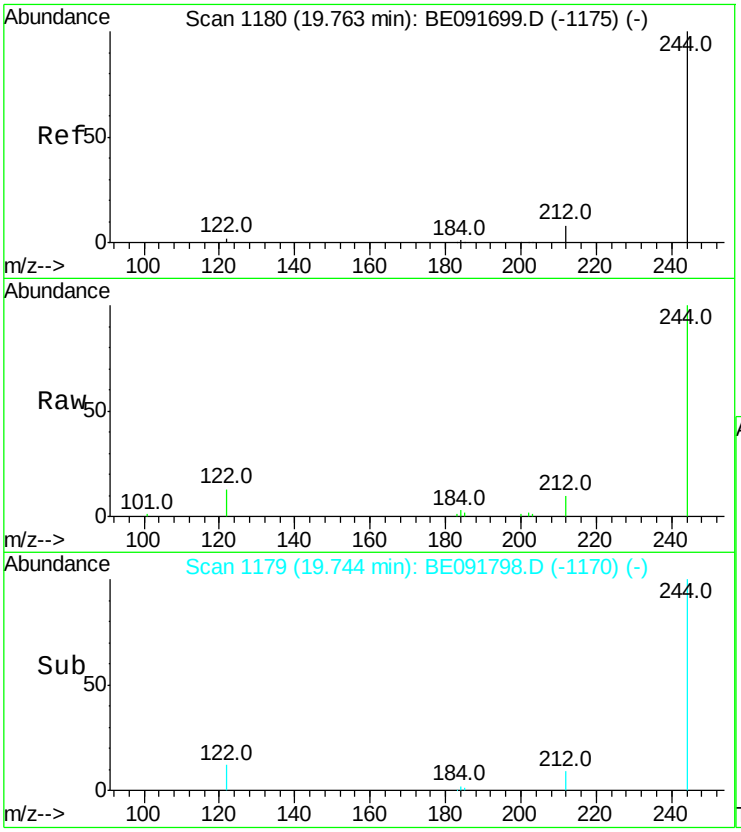


#28
Pyrene
Concen: 0.39 ng
RT: 19.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:202 Resp: 28399

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	18.1	14.0	21.0

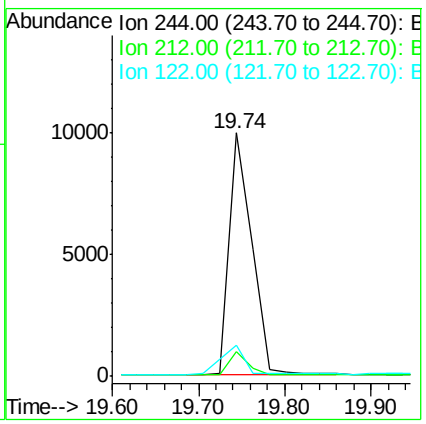




#29
Terphenyl-d14
Concen: 0.36 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:244 Resp: 17987

Ion	Ratio	Lower	Upper
244	100		
212	10.0	6.9	10.3
122	12.6	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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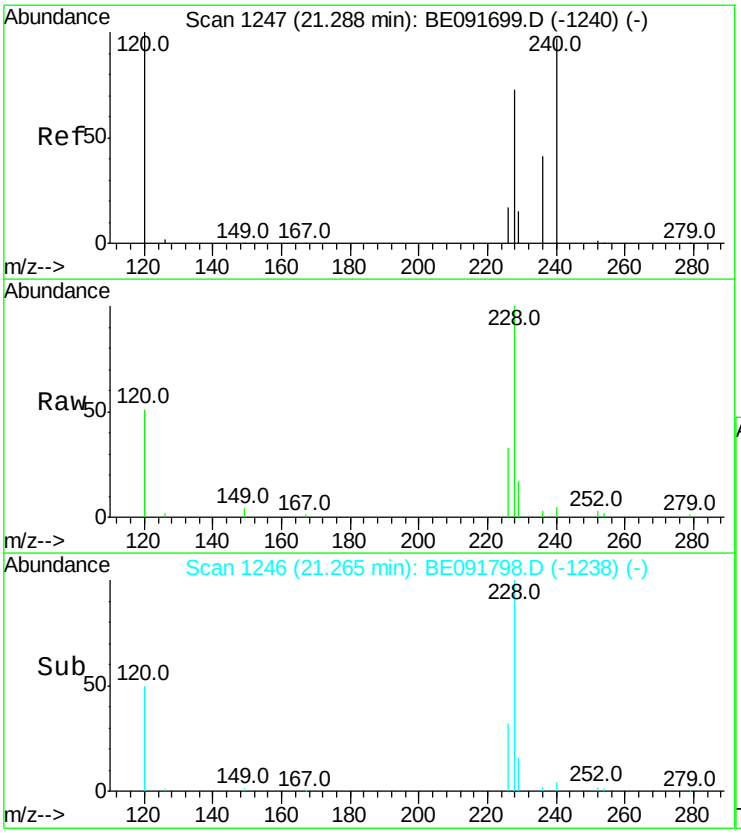
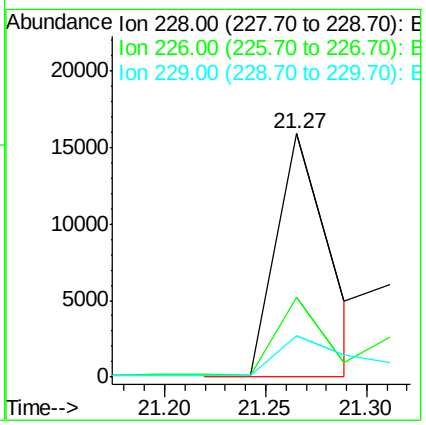
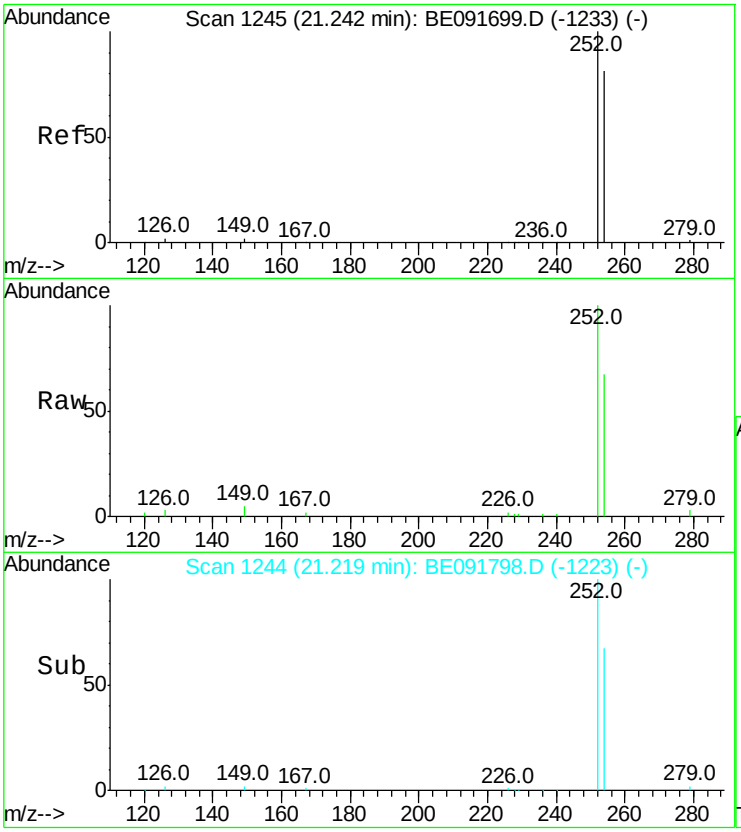


#30
Benzo(a)anthracene
Concen: 0.37 ng m
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:228 Resp: 29008

Ion	Ratio	Lower	Upper
228	100		
226	33.0	21.0	31.4#
229	16.9	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 0.54 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:252 Resp: 21896

Ion	Ratio	Lower	Upper
252	100		
254	67.2	51.1	76.7
126	3.3	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
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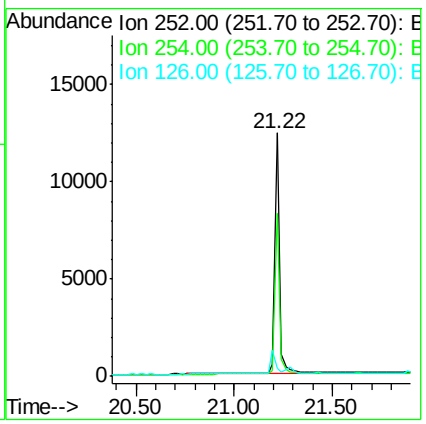
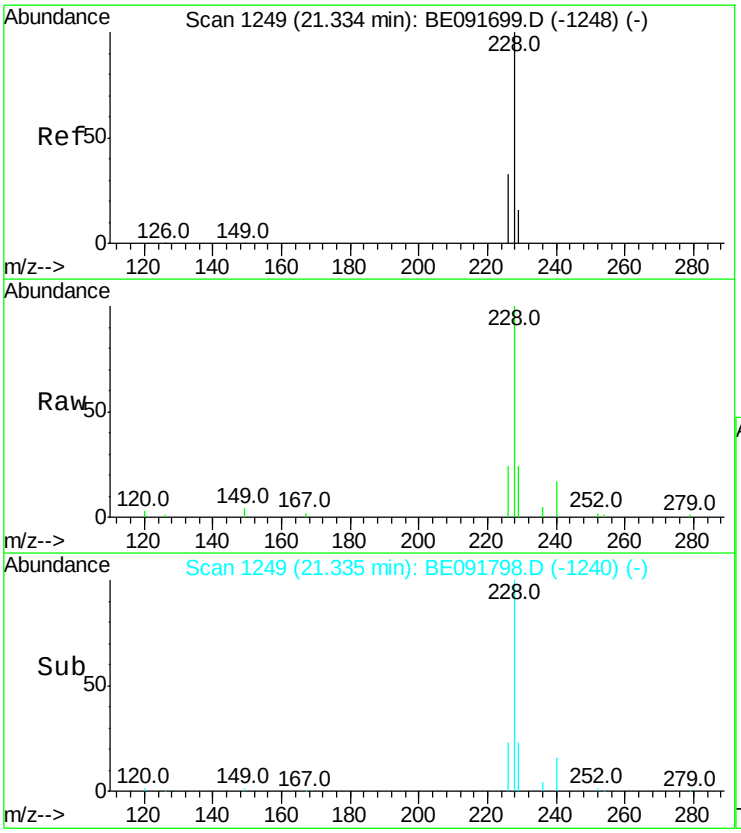
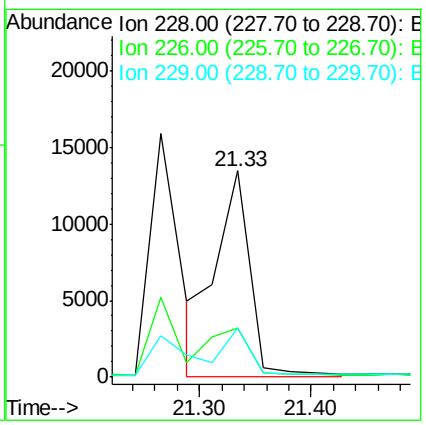


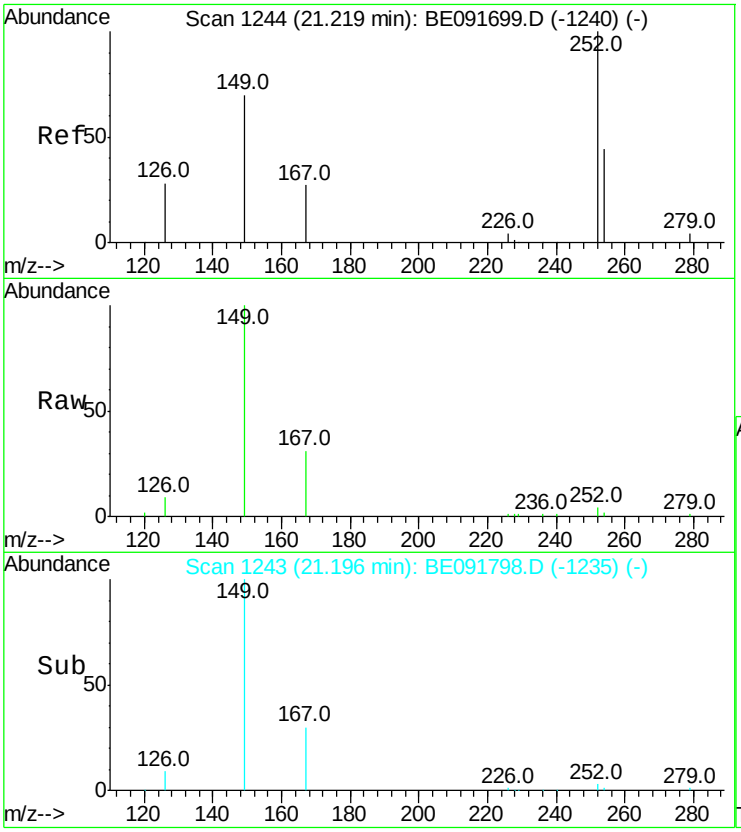


#32
Chrysene
Concen: 0.35 ng m
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:228 Resp: 28781

Ion	Ratio	Lower	Upper
228	100		
226	24.1	24.0	36.0
229	24.0	15.9	23.9#





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.84 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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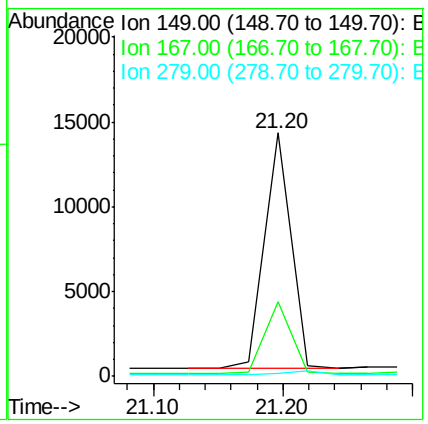
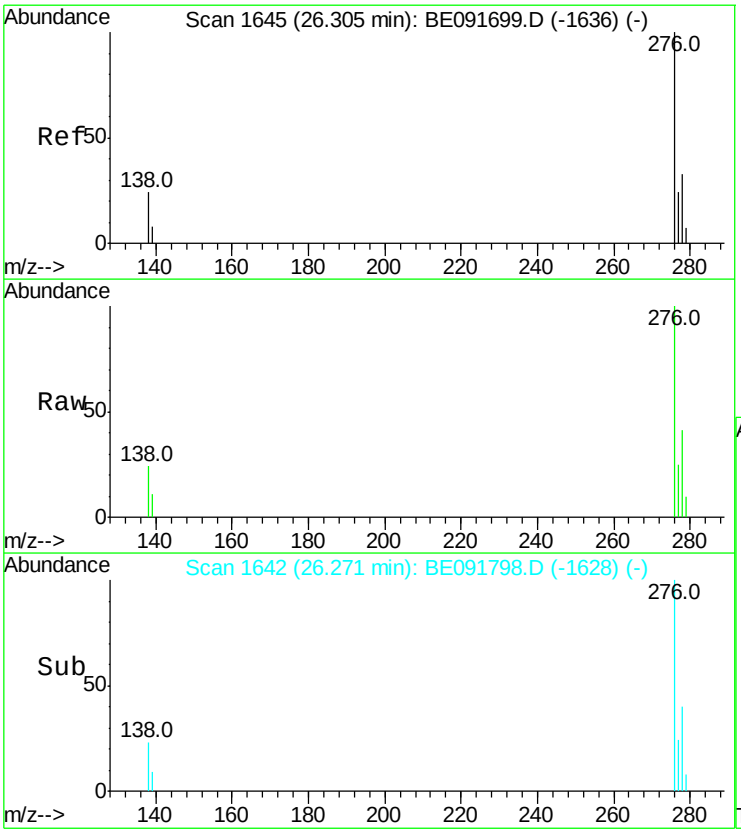
5/19/2016 7:02:45 PM

Tgt Ion:149 Resp: 20014

Ion	Ratio	Lower	Upper
149	100		
167	30.1	19.5	29.3#
279	0.0	10.0	15.0#

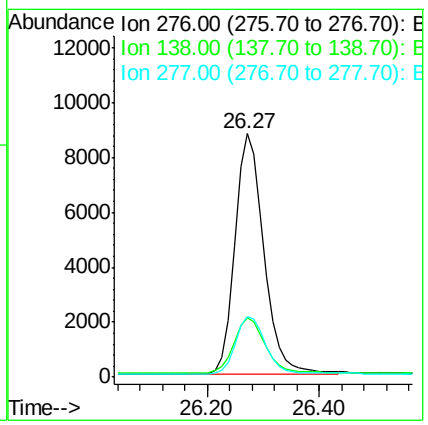


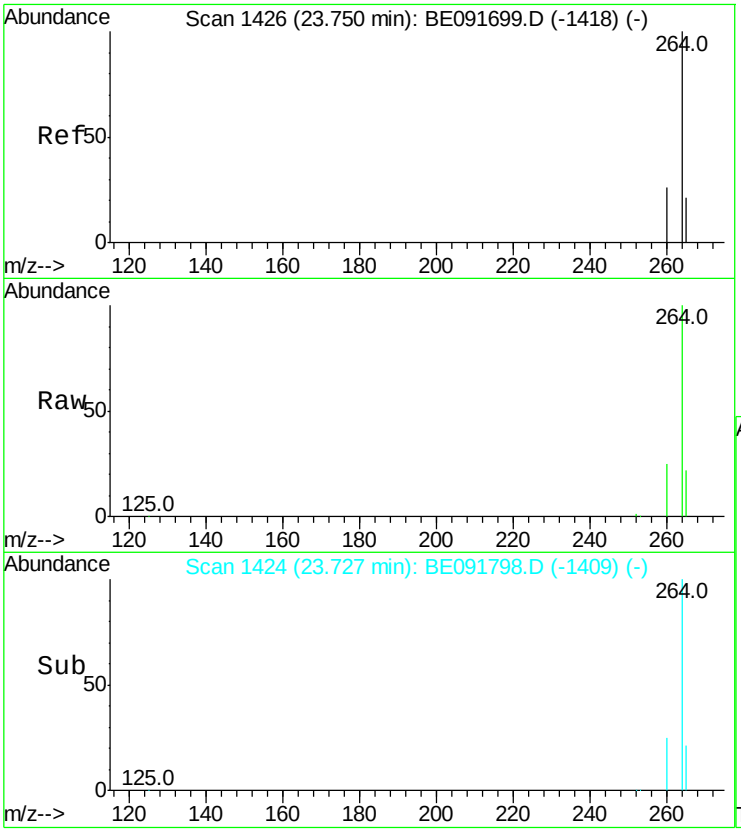


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:276 Resp: 32015

Ion	Ratio	Lower	Upper
276	100		
138	24.9	23.4	35.2
277	24.6	19.8	29.8

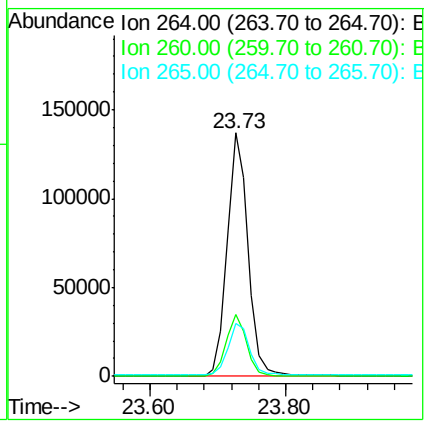




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:264 Resp: 298379

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.0	30.0
265	21.7	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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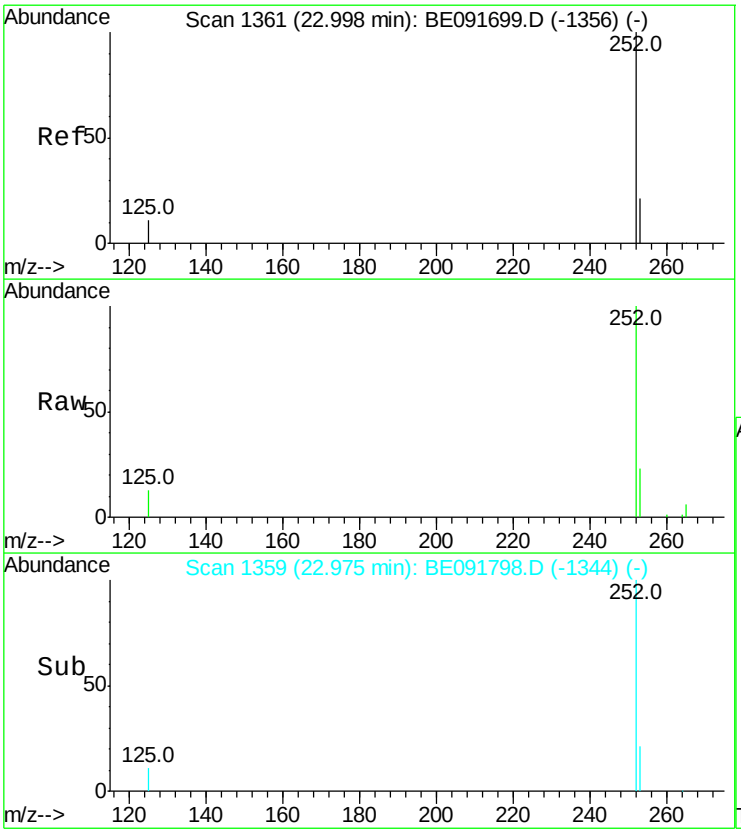
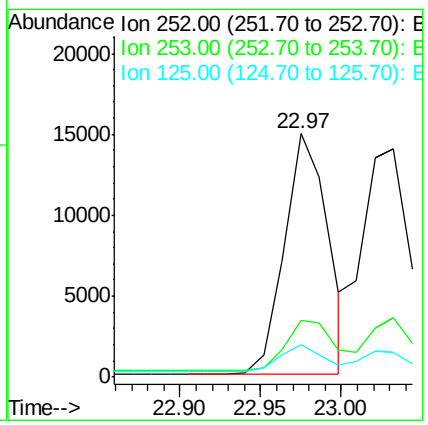
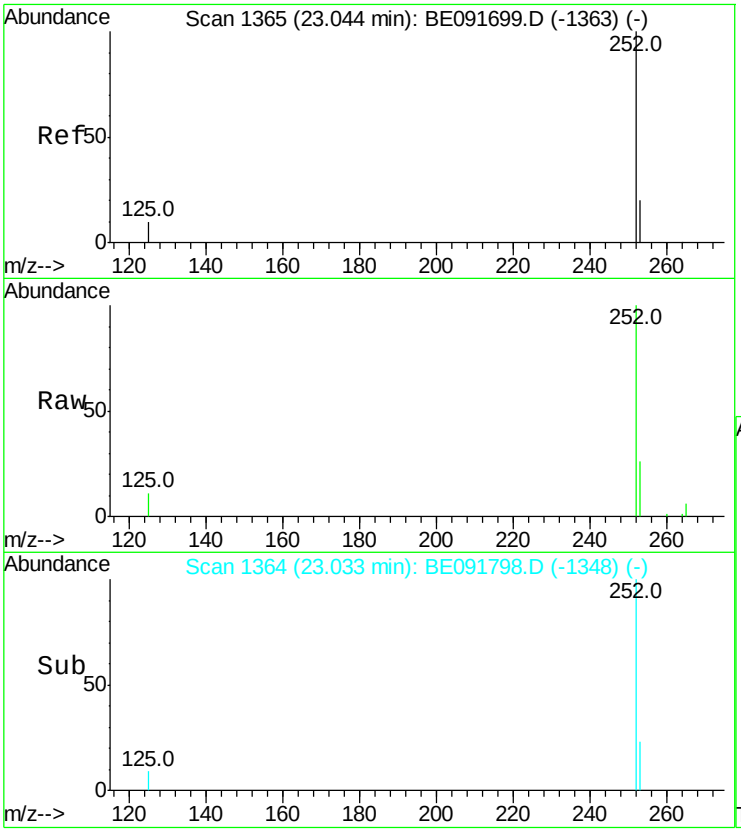


#36
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 22.97 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:252 Resp: 27896

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	13.1	10.2	15.2

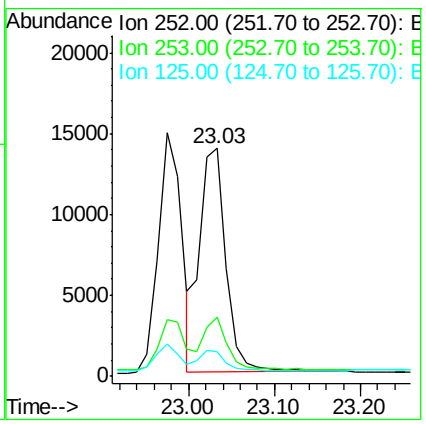




#37
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

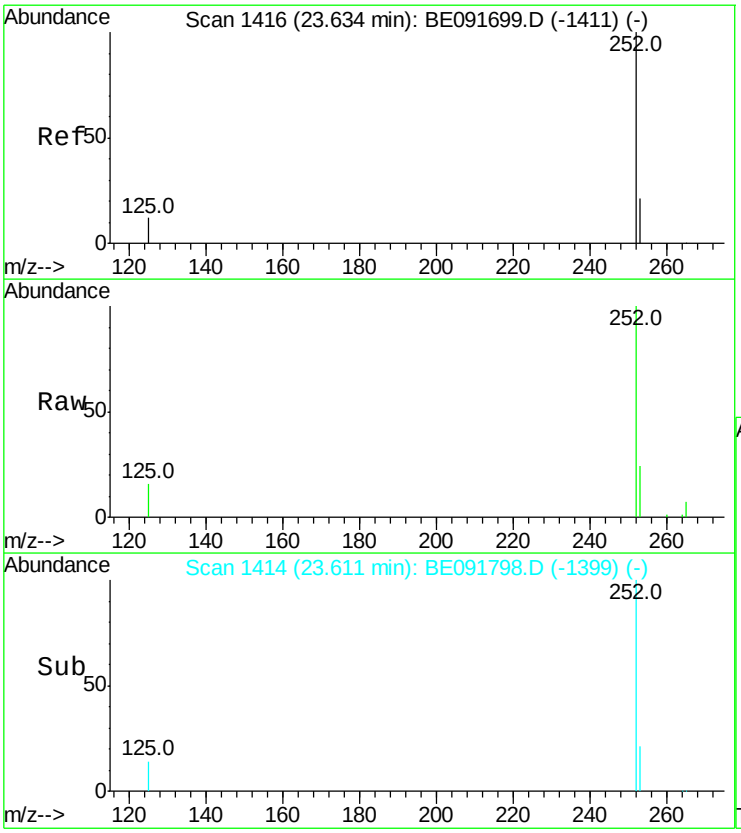
Tgt Ion:252 Resp: 29458

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.6	26.4
125	11.0	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

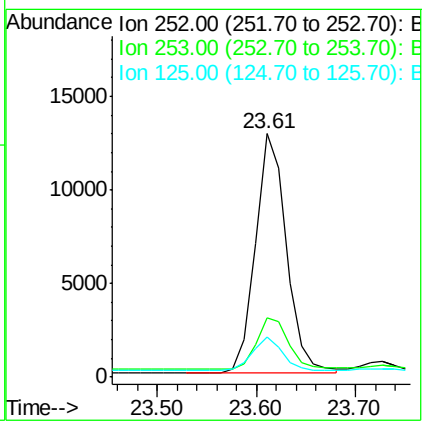
Manual Integrations APPROVED
sohil
5/19/2016 7:02:45 PM

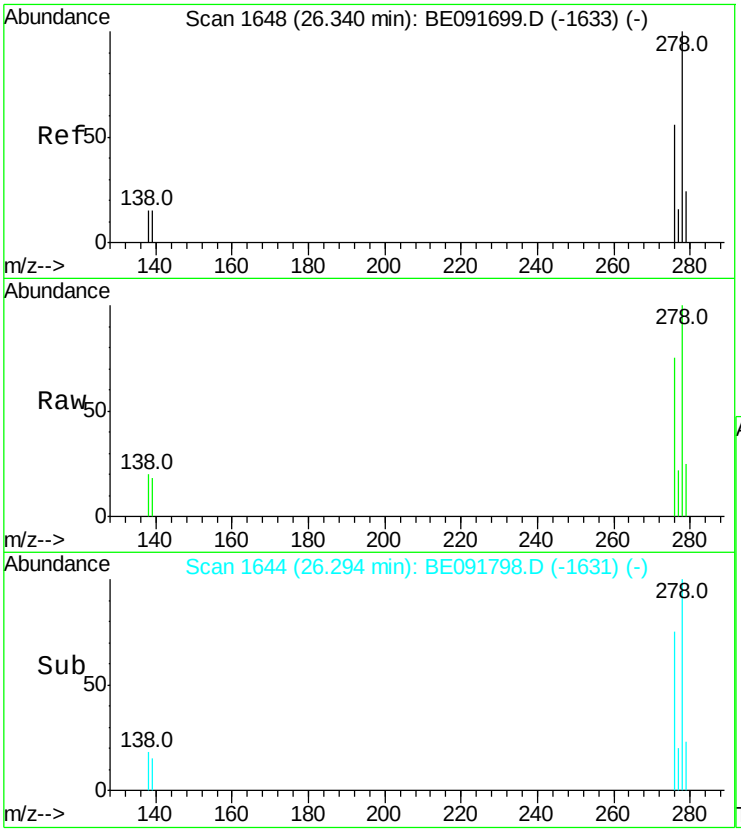


#38
Benzo(a)pyrene
Concen: 0.42 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:252 Resp: 27523

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	16.2	11.0	16.4

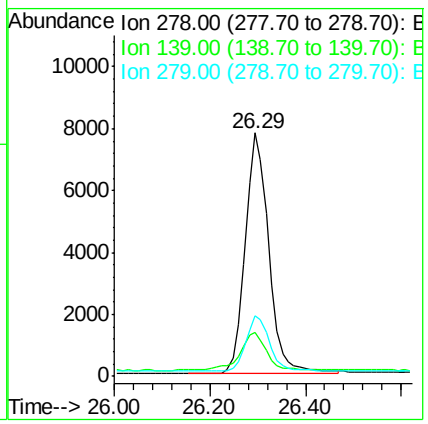




#39
Dibenzo(a,h)anthracene
Concen: 0.43 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.05 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

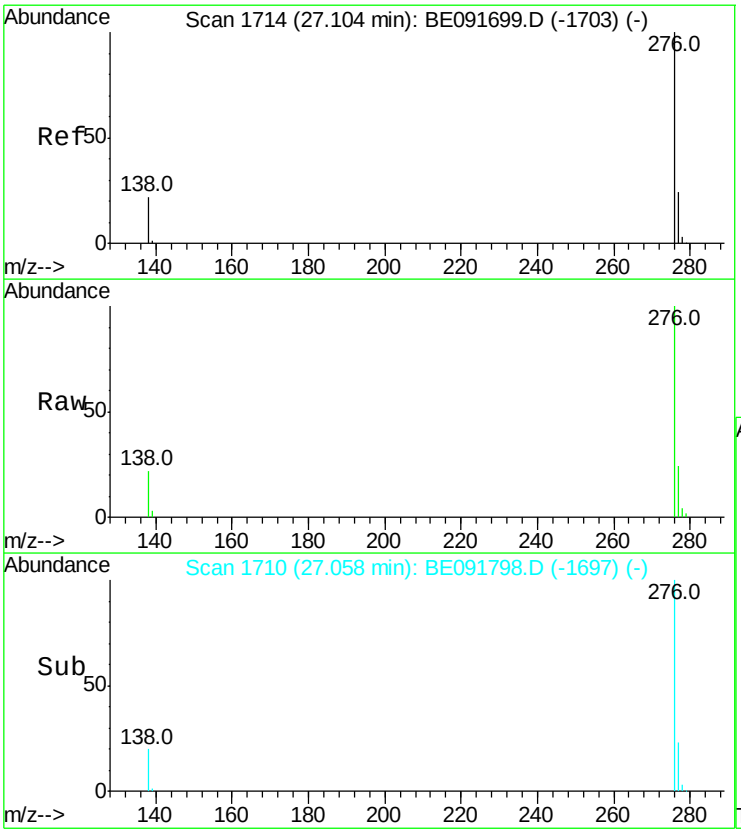
Tgt Ion:278 Resp: 26569

Ion	Ratio	Lower	Upper
278	100		
139	17.9	16.0	24.0
279	25.0	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
5/19/2016 7:02:45 PM



#40
Benzo(g,h,i)perylene
Concen: 0.43 ng
RT: 27.06 min Scan# 1710
Delta R.T. -0.05 min
Lab File: BE091798.D
Acq: 18 May 2016 20:59

Tgt Ion:276 Resp: 27082

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	21.7	20.4	30.6