Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091808.D
Acq On : 19 May 2016 13:50
Operator : UM/SJ
Sample : SSTDICC0.1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 19 14:22:50 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 13:11:12 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	23093	5.00	ng		-0.02
7) Naphthalene-d8	10.57	136	120621	5.00	ng		0.00
13) Acenaphthene-d10	14.40	164	80570	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	213661	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	272399	5.00	ng		-0.02
35) Perylene-d12	23.73	264	240550	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	672	0.12	ng		0.00
5) Phenol-d6	6.97	99	873	0.12	ng		0.02
8) Nitrobenzene-d5	8.96	82	804	0.10	ng		0.01
14) 2,4,6-Tribromophenol	15.90	330	292	0.12	ng		0.00
15) 2-Fluorobiphenyl	13.04	172	2653	0.12	ng		0.00
29) Terphenyl-d14	19.74	244	4205	0.10	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	416	0.12	ng		90
3) n-Nitrosodimethylamine	3.64	42	405	0.10	ng	#	91
6) bis(2-Chloroethyl)ether	7.21	93	727	0.11	ng	#	81
9) Nitrobenzene	8.99	77	802	0.10	ng	#	91
10) Naphthalene	10.61	128	3241	0.13	ng		95
11) Hexachlorobutadiene	10.90	225	495m	0.14	ng		
12) 2-Methylnaphthalene	12.24	142	2054	0.13	ng		97
16) Acenaphthylene	14.12	152	3457m	0.11	ng		
17) Acenaphthene	14.46	154	2524	0.13	ng		86
18) Fluorene	15.44	166	3133	0.13	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	925	0.12	ng		96
21) Hexachlorobenzene	16.45	284	1022	0.13	ng		98
22) Pentachlorophenol	16.79	266	317	0.09	ng		94
23) Phenanthrene	17.17	178	6421m	0.13	ng		
24) Anthracene	17.28	178	5255	0.12	ng		99
25) Fluoranthene	19.19	202	6549	0.13	ng	#	96
27) Benzidine	19.38	184	1458	0.09	ng		93
28) Pyrene	19.55	202	6818	0.11	ng		100
30) Benzo(a)anthracene	21.27	228	8206m	0.12	ng		
31) 3,3'-Dichlorobenzidine	21.22	252	3910	0.12	ng	#	93
32) Chrysene	21.34	228	7778m	0.11	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	2387	0.12	ng	#	85
34) Indeno(1,2,3-cd)pyrene	26.27	276	7587	0.12	ng		95
36) Benzo(b)fluoranthene	22.98	252	6748	0.12	ng	#	92
37) Benzo(k)fluoranthene	23.03	252	7050m	0.12	ng		
38) Benzo(a)pyrene	23.61	252	6363	0.12	ng	#	90
39) Dibenzo(a,h)anthracene	26.30	278	6263	0.12	ng		94
40) Benzo(g,h,i)perylene	27.06	276	6652	0.13	ng		96

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

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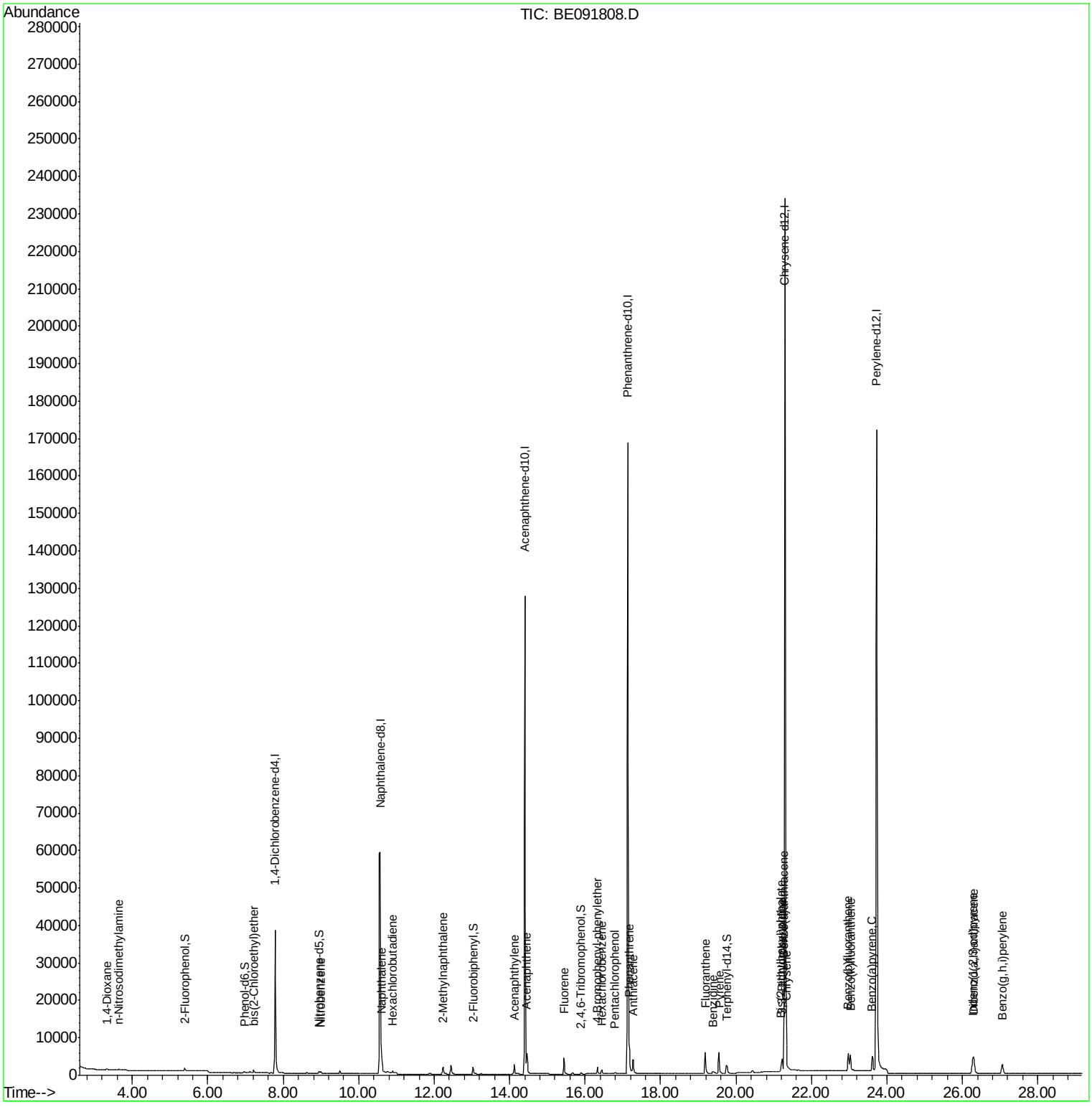
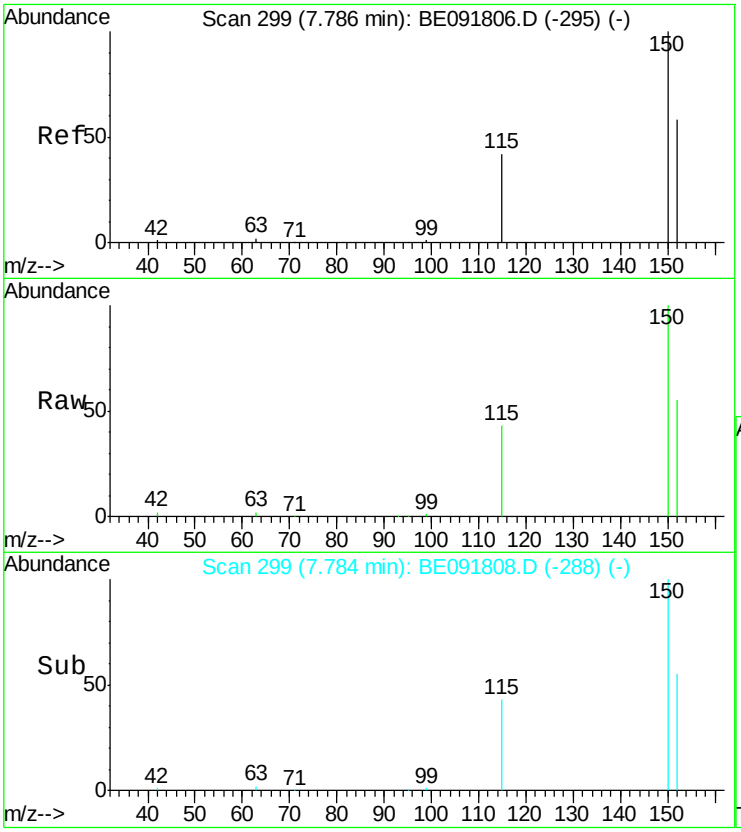
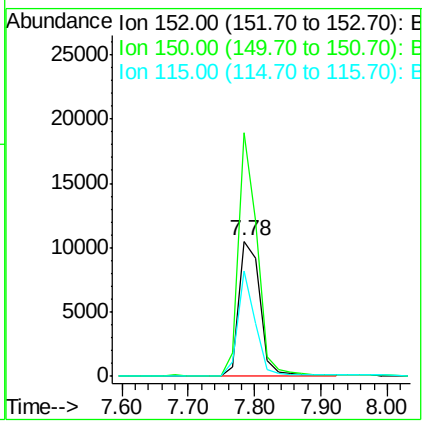




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.78 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:152 Resp: 23093

Ion	Ratio	Lower	Upper
152	100		
150	180.2	122.6	183.8
115	78.1	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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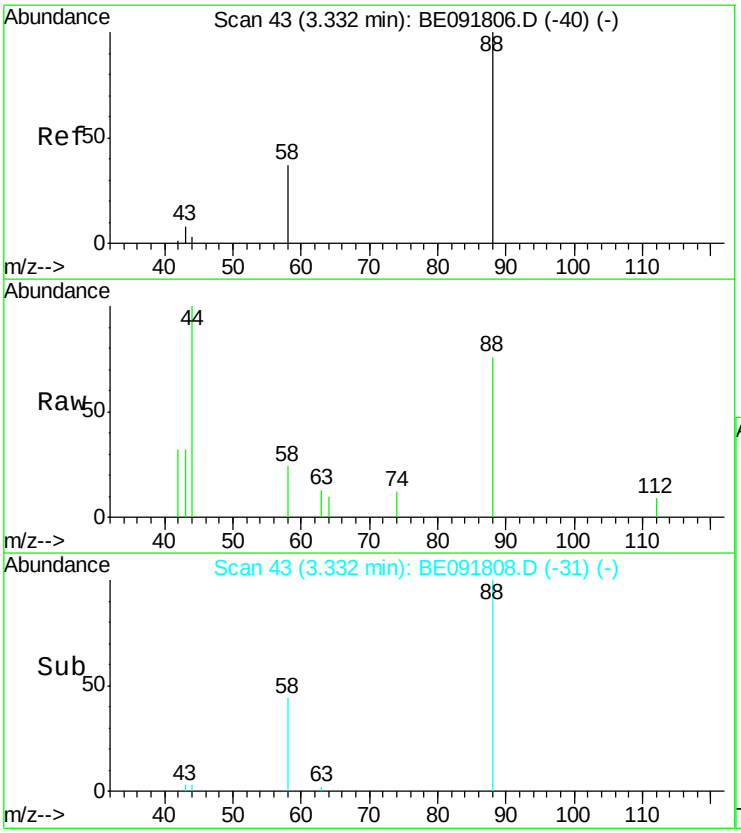
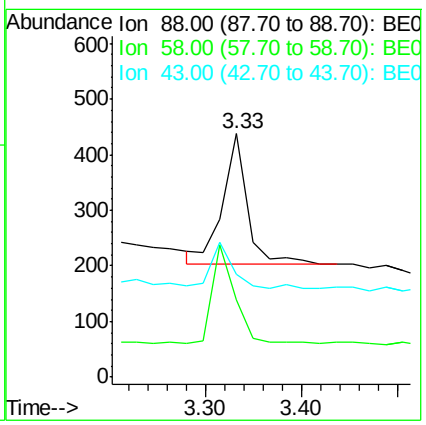
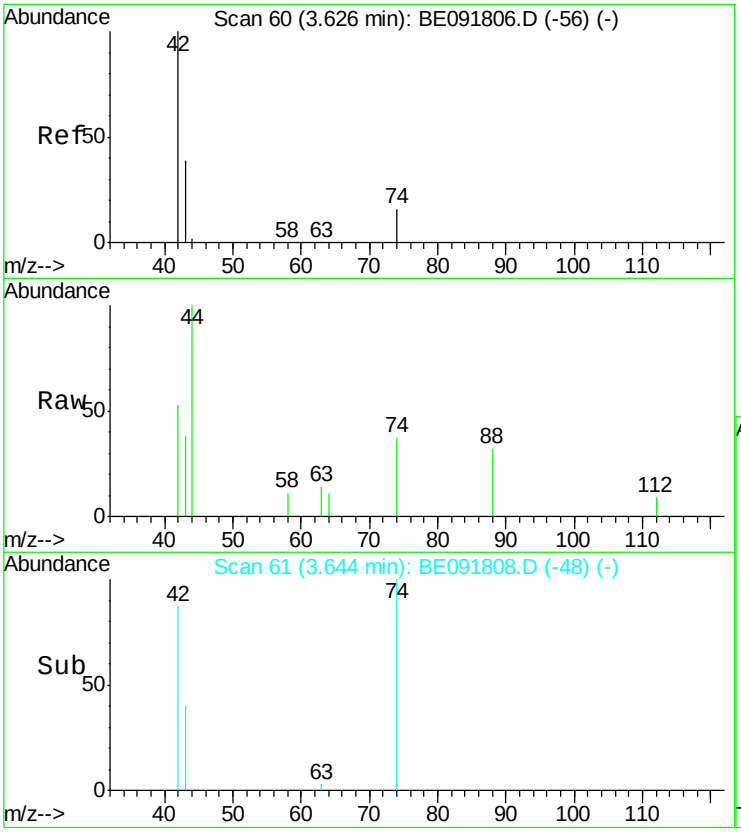


#2
1,4-Dioxane
Concen: 0.12 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion: 88 Resp: 416

Ion	Ratio	Lower	Upper
88	100		
58	70.4	65.8	98.6
43	31.7	25.3	37.9

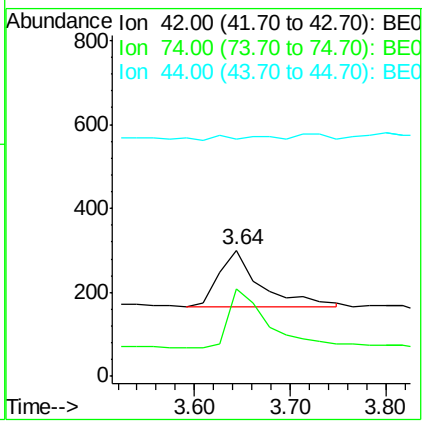




#3
n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.64 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion: 42 Resp: 405

Ion	Ratio	Lower	Upper
42	100		
74	101.5	87.9	131.9
44	0.0	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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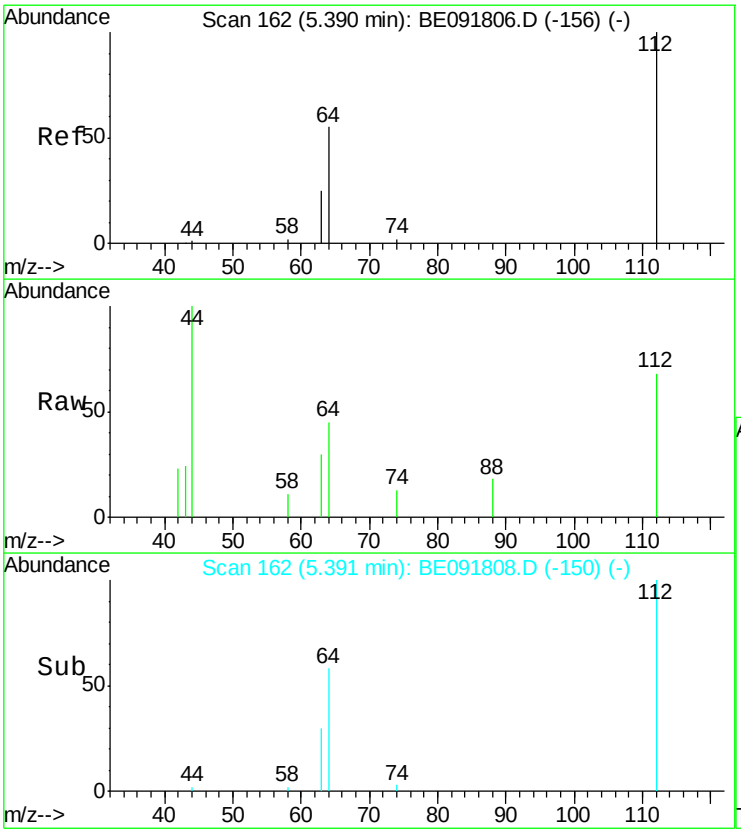
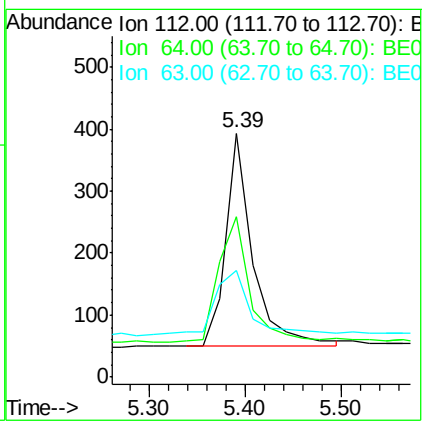
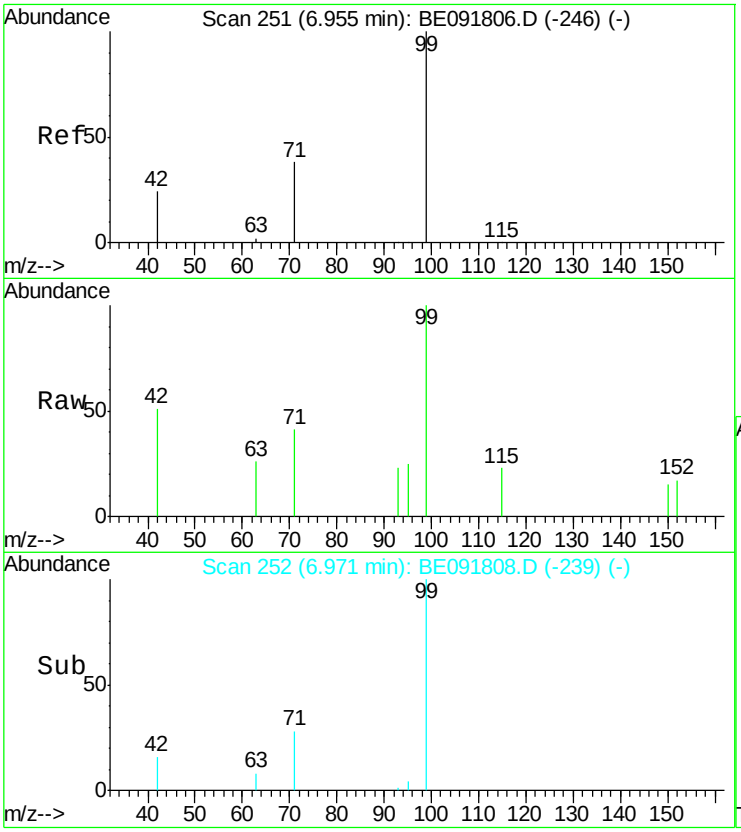


#4
2-Fluorophenol
Concen: 0.12 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:112 Resp: 672

Ion	Ratio	Lower	Upper
112	100		
64	67.6	30.9	46.3#
63	41.5	16.7	25.1#





#5
Phenol-d6
Concen: 0.12 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion: 99 Resp: 873

Ion	Ratio	Lower	Upper
99	100		
42	27.7	16.2	24.2#
71	36.4	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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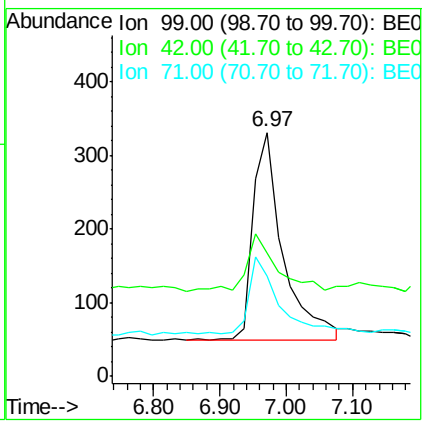
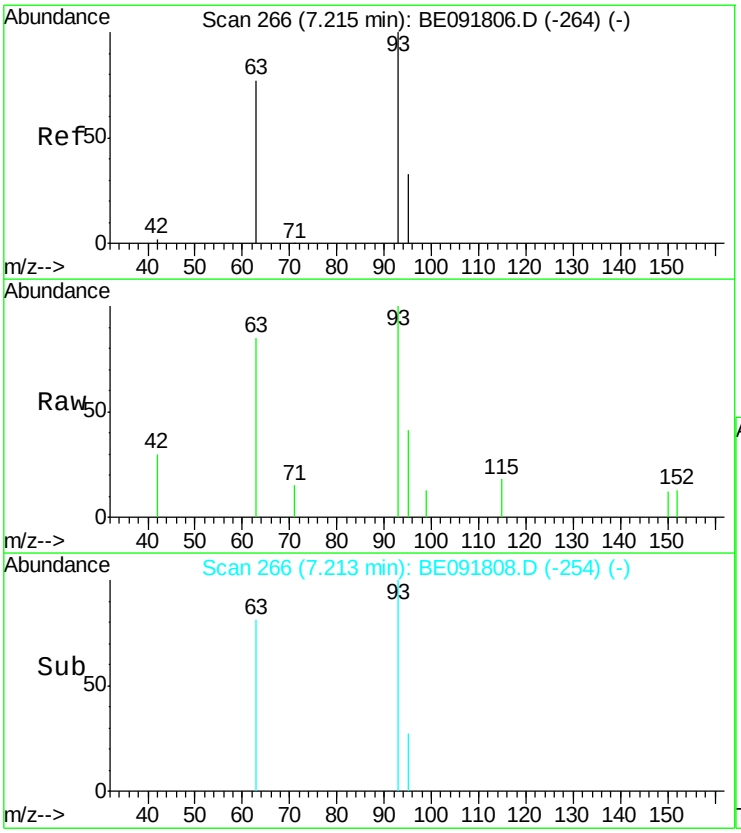
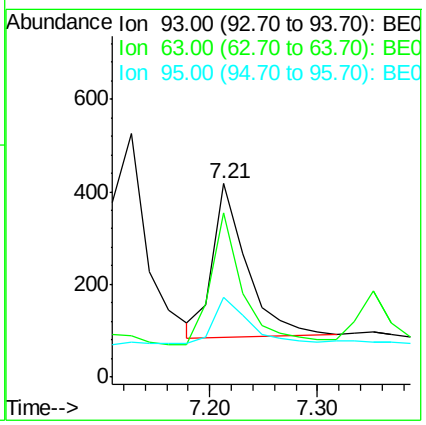


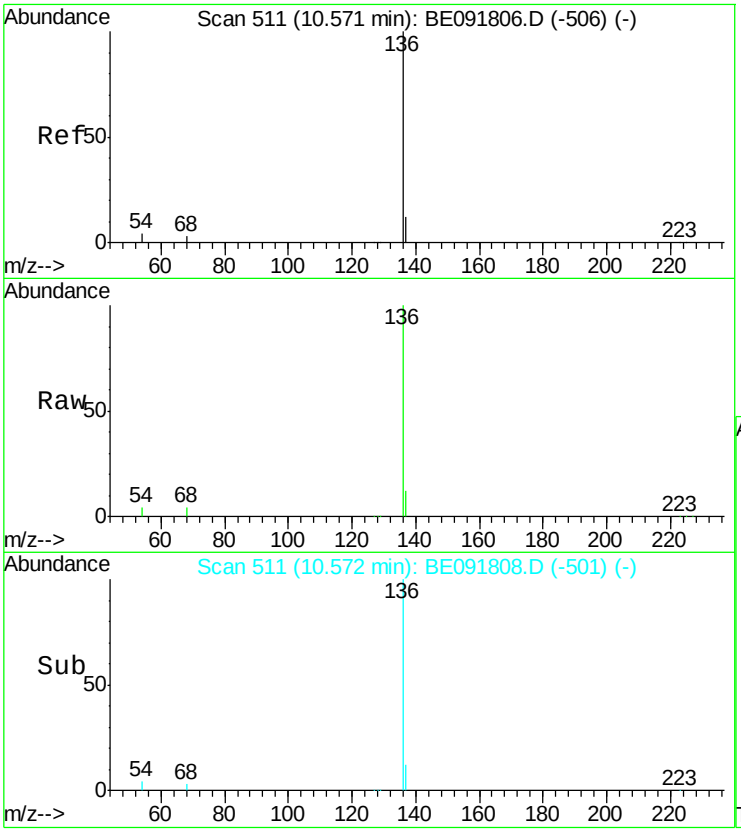


#6
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion: 93 Resp: 727

Ion	Ratio	Lower	Upper
93	100		
63	81.0	49.5	74.3#
95	31.6	22.2	33.4

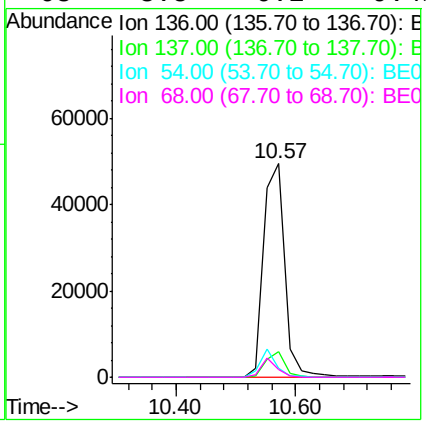




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:136 Resp: 120621

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.9	13.3
54	4.2	8.2	12.4#
68	3.5	6.2	9.4#



Instrument :
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ClientSampleId :
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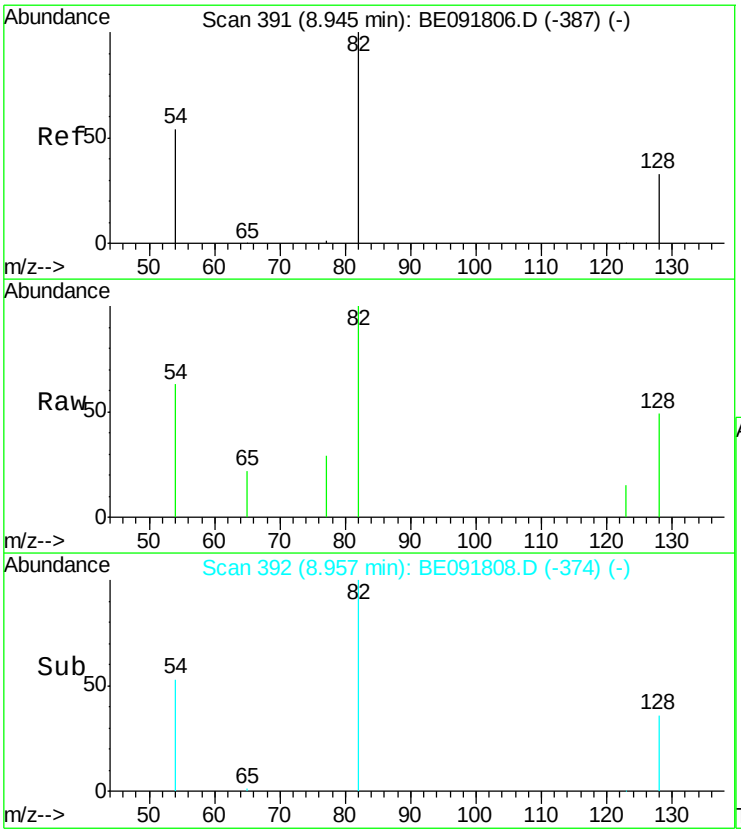
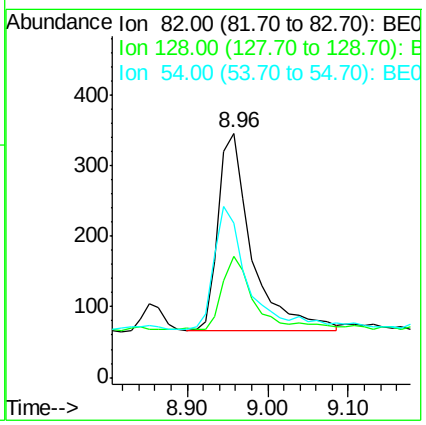
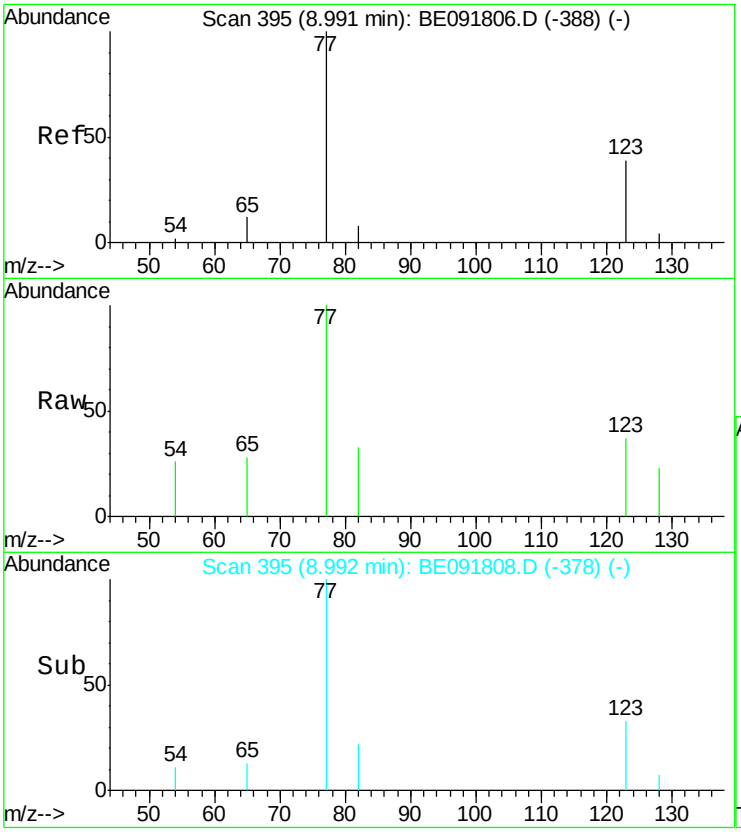


#8
Nitrobenzene-d5
Concen: 0.10 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.01 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion: 82 Resp: 804

Ion	Ratio	Lower	Upper
82	100		
128	49.4	25.4	38.0#
54	63.0	48.4	72.6

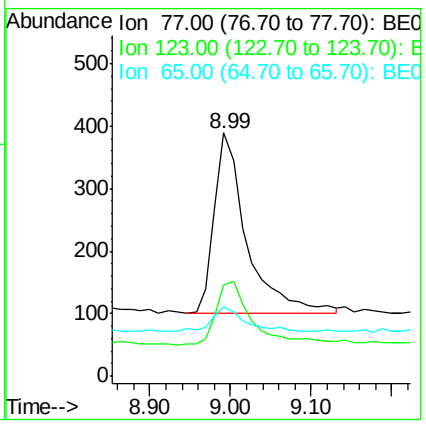




#9
Nitrobenzene
Concen: 0.10 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion: 77 Resp: 802

Ion	Ratio	Lower	Upper
77	100		
123	39.4	26.9	40.3
65	14.6	9.4	14.2#



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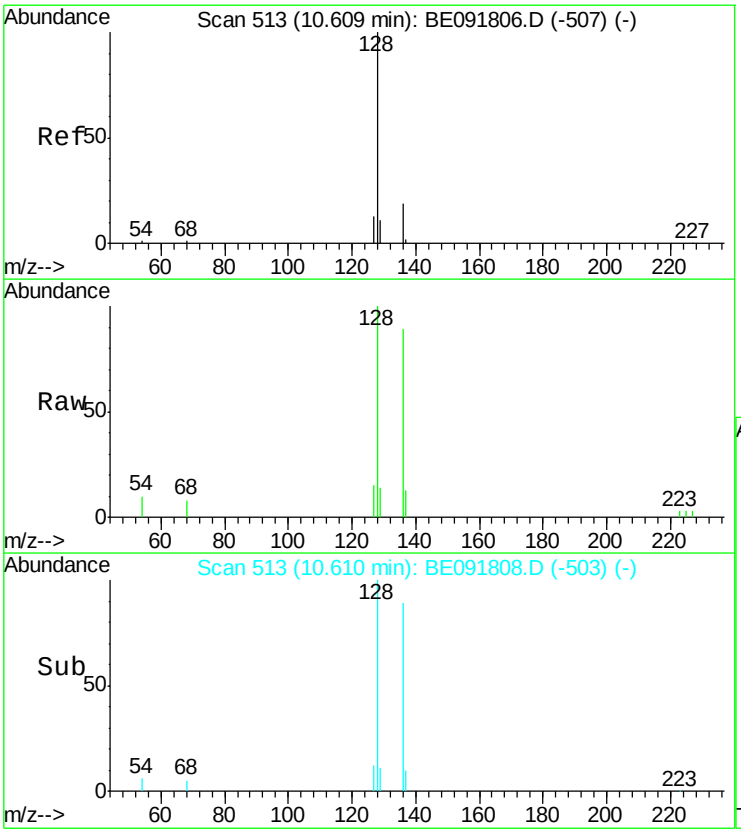
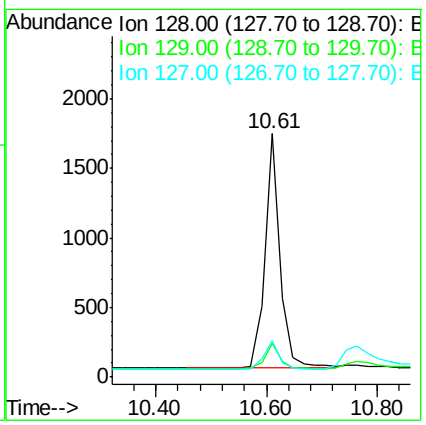
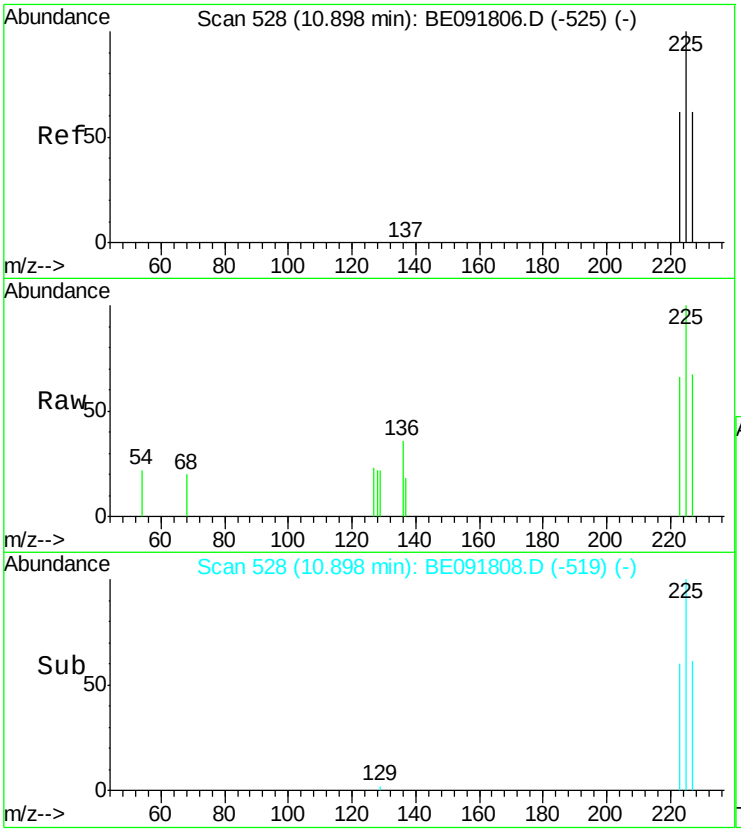


#10
Naphthalene
Concen: 0.13 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:128 Resp: 3241

Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.3	13.9
127	15.0	10.7	16.1

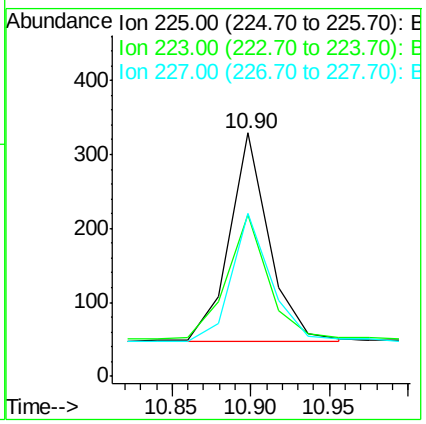




#11
Hexachlorobutadiene
Concen: 0.14 ng m
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:225 Resp: 495

Ion	Ratio	Lower	Upper
225	100		
223	167.3	49.0	73.6#
227	149.5	50.3	75.5#



Instrument :
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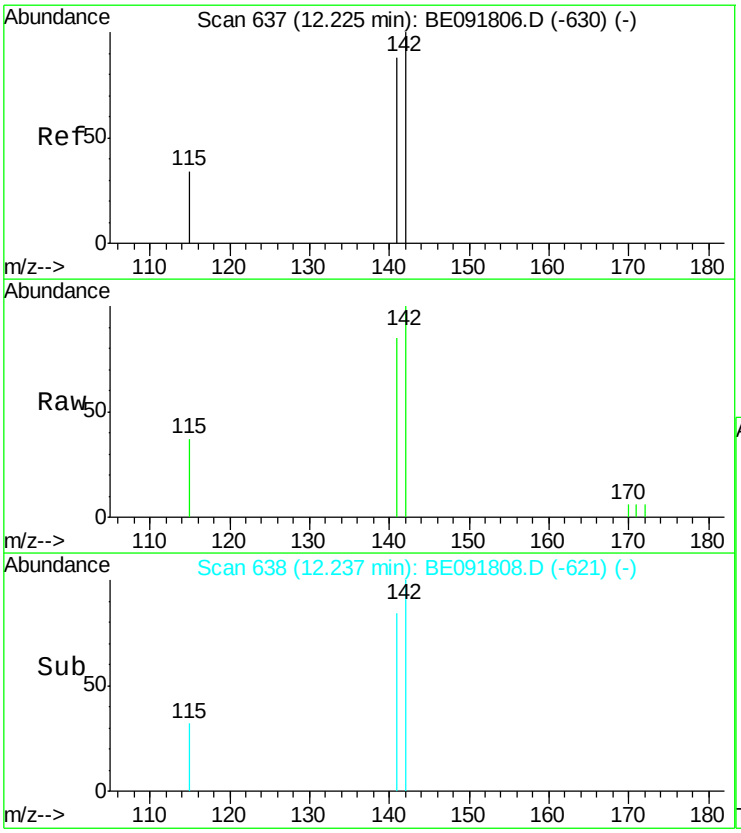
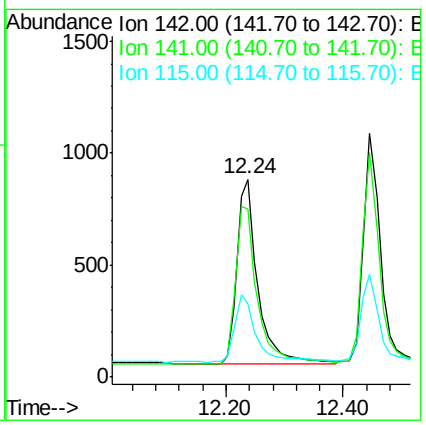
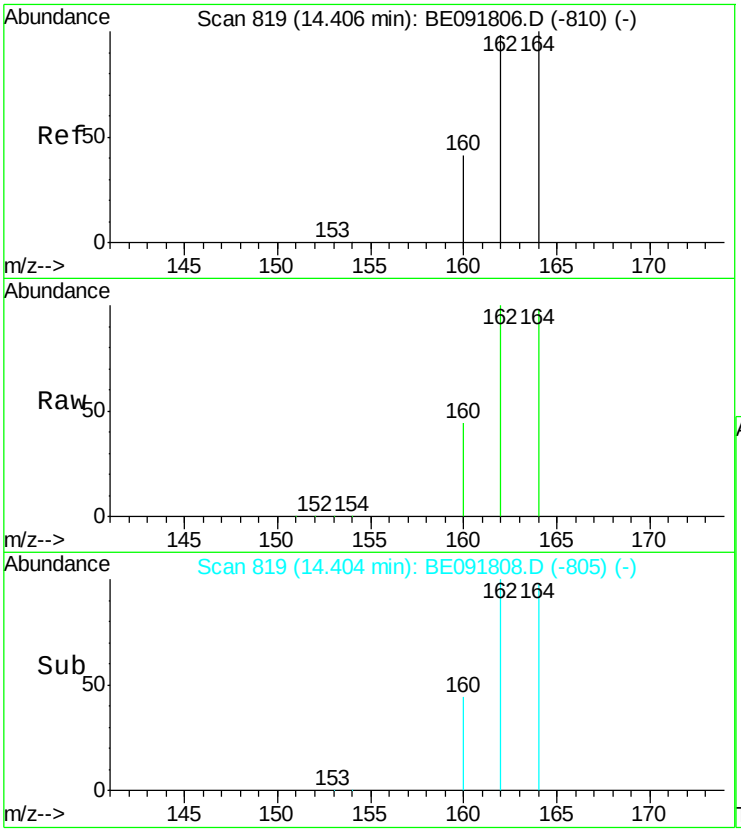


#12
2-Methylnaphthalene
Concen: 0.13 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:142 Resp: 2054

Ion	Ratio	Lower	Upper
142	100		
141	85.2	71.4	107.0
115	37.2	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:164 Resp: 80570

Ion	Ratio	Lower	Upper
164	100		
162	101.7	85.3	127.9
160	44.8	46.2	69.2#

Instrument :
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ClientSampleId :
SSTDICC0.1

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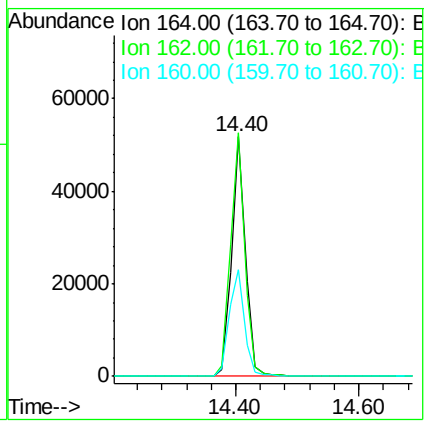
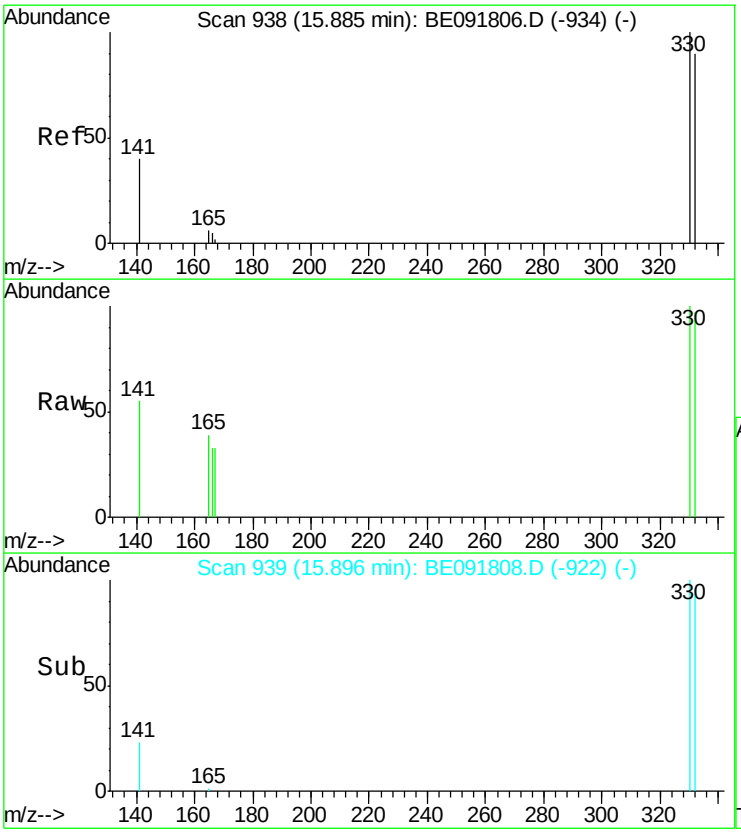
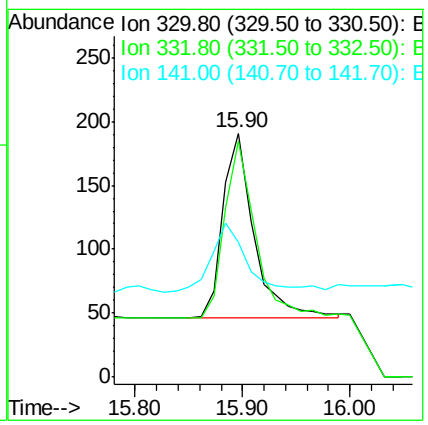


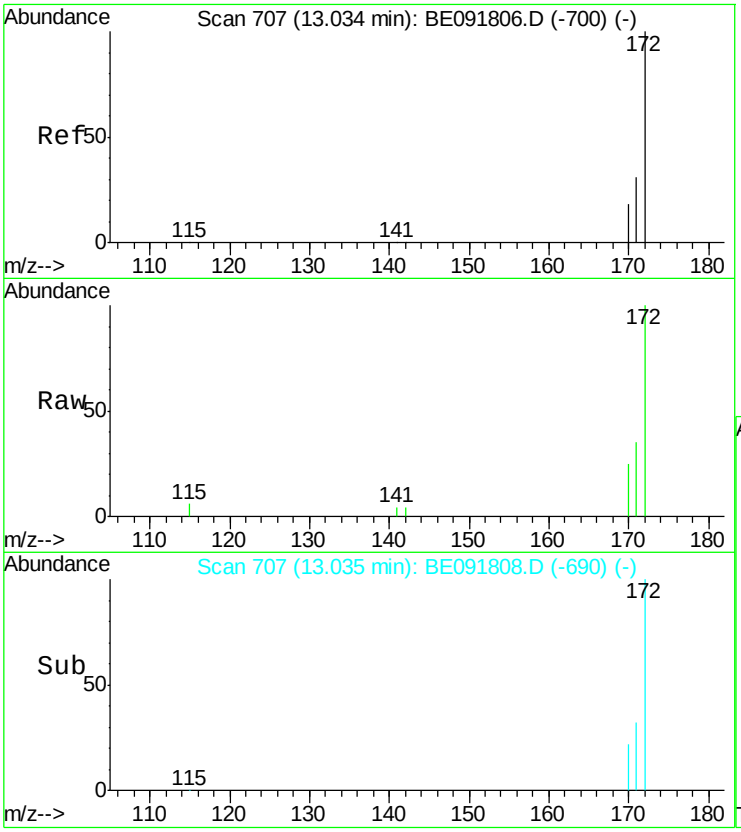


#14
2,4,6-Tribromophenol
Concen: 0.12 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:330 Resp: 292

Ion	Ratio	Lower	Upper
330	100		
332	95.2	79.1	118.7
141	42.1	125.4	188.0#

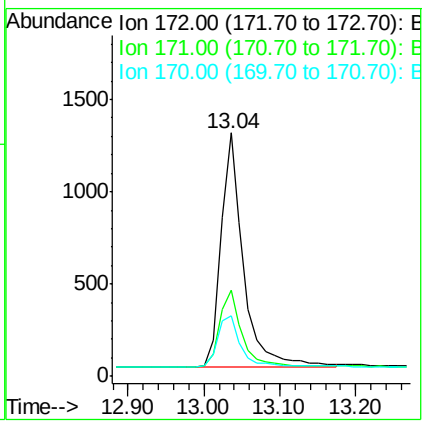




#15
2-Fluorobiphenyl
Concen: 0.12 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:172 Resp: 2653

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	25.0	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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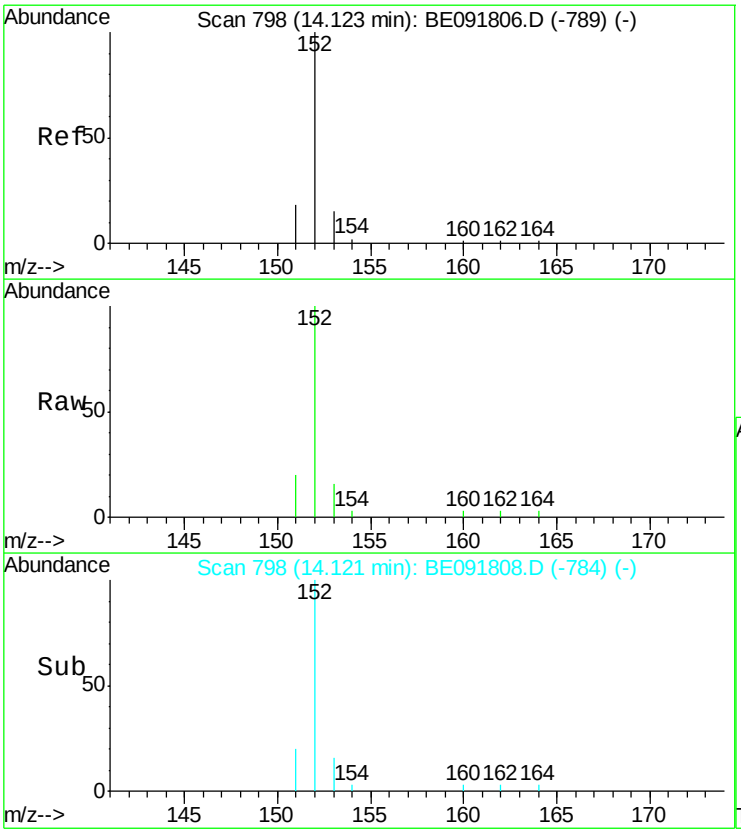
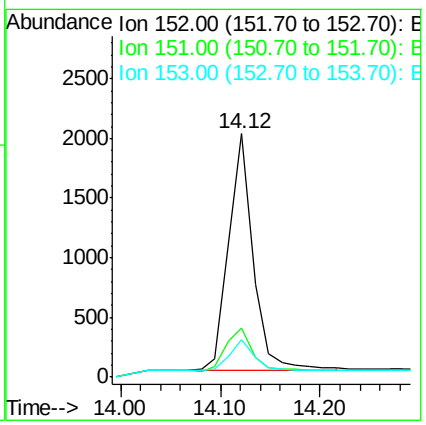
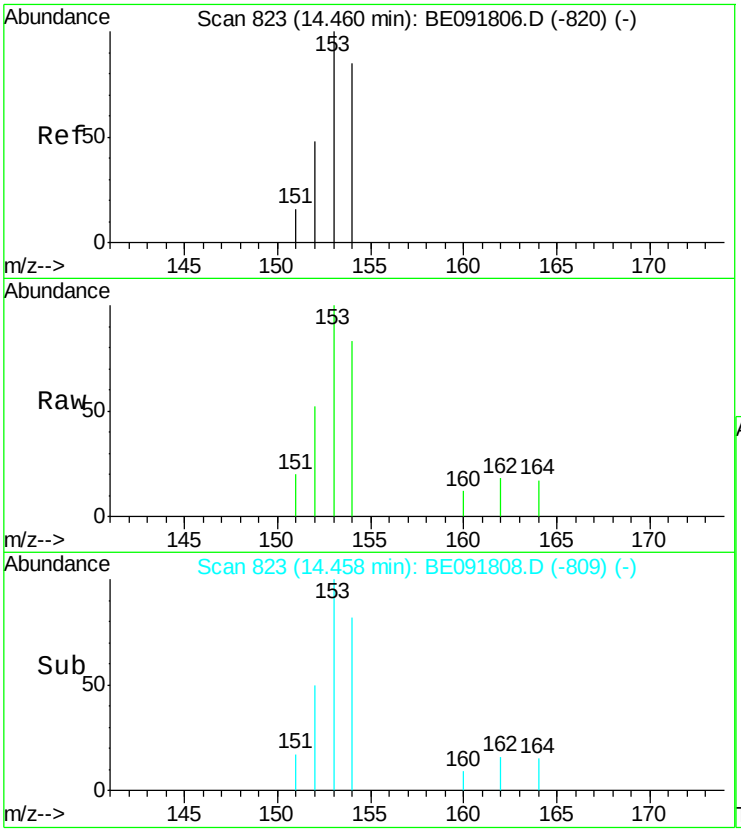


#16
Acenaphthylene
Concen: 0.11 ng m
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:152 Resp: 3457

Ion	Ratio	Lower	Upper
152	100		
151	25.1	3.9	5.9#
153	18.8	10.3	15.5#

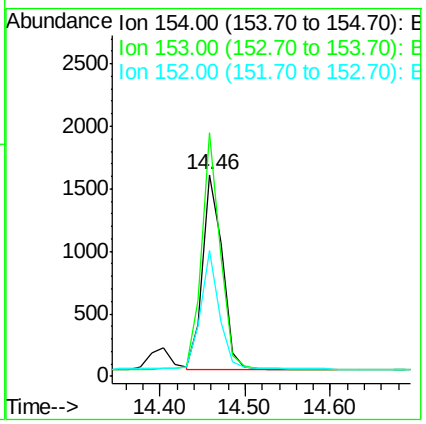




#17
Acenaphthene
Concen: 0.13 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:154 Resp: 2524

Ion	Ratio	Lower	Upper
154	100		
153	116.0	80.0	120.0
152	57.8	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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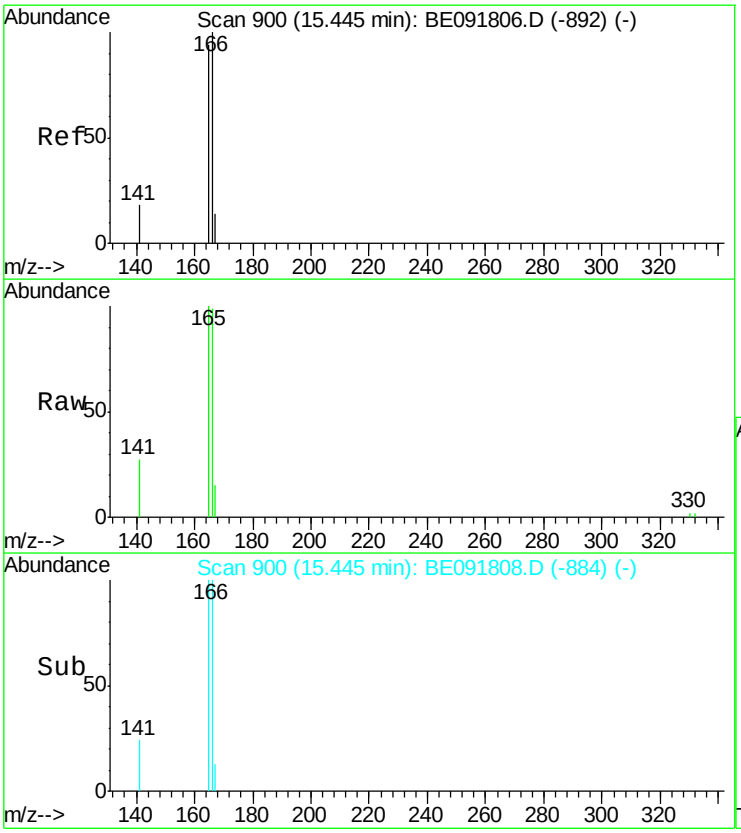
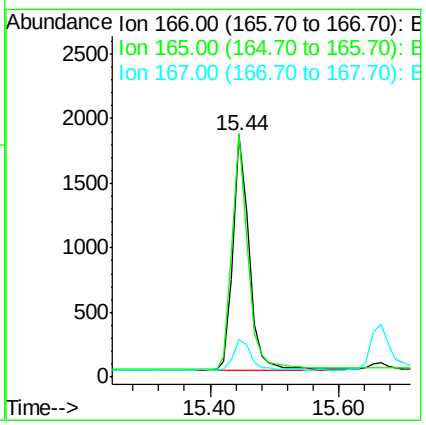
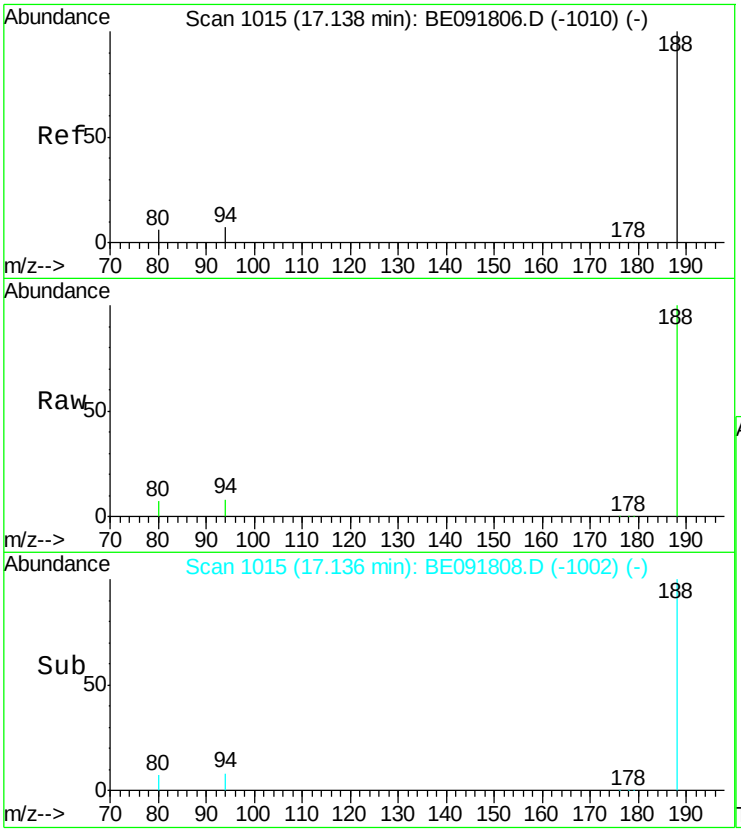


#18
Fluorene
Concen: 0.13 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:166 Resp: 3133

Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.8	121.2
167	13.7	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: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:188 Resp: 213661

Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.7	13.1#
80	7.3	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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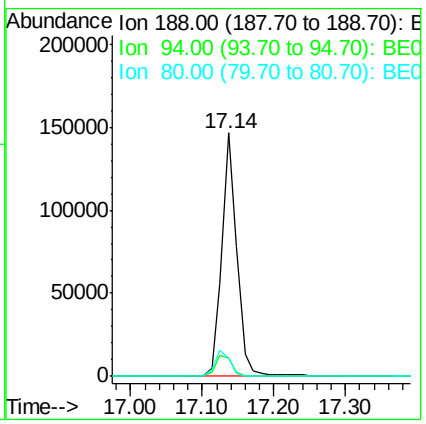
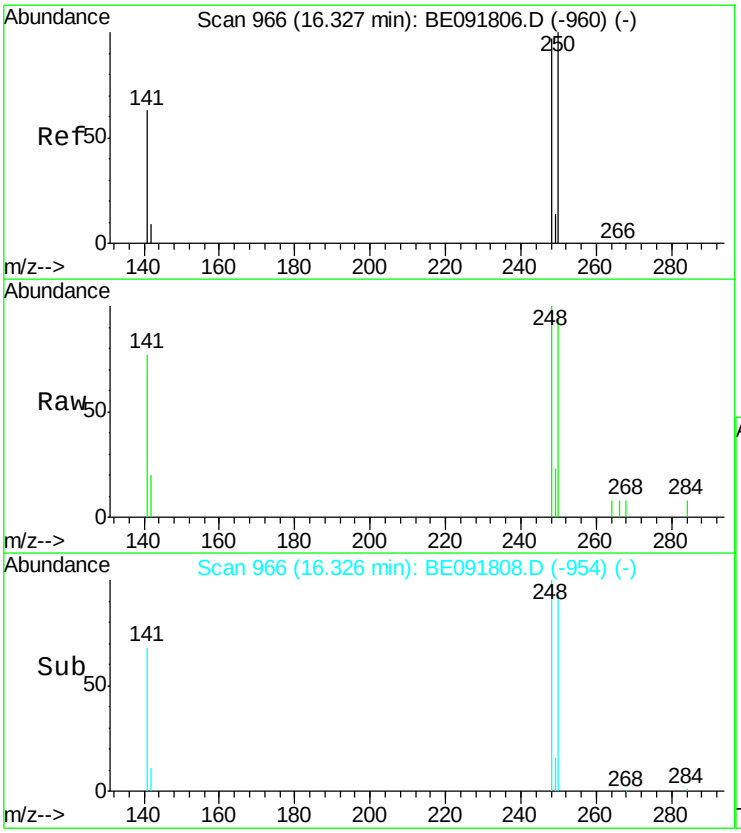
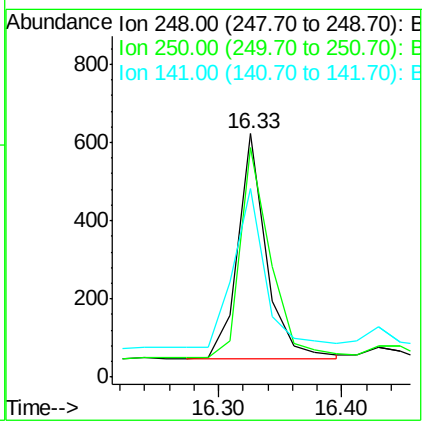


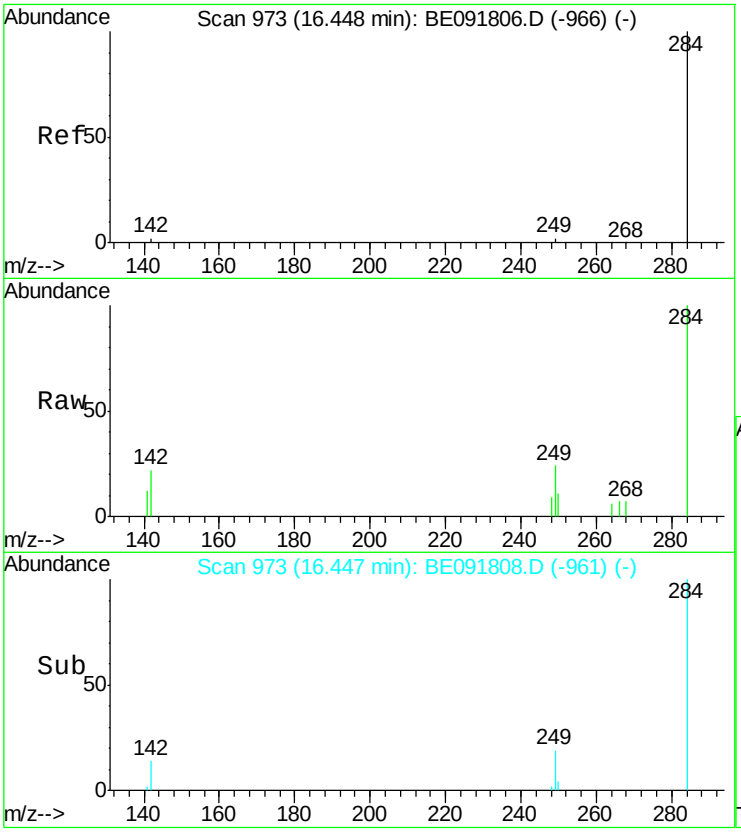


#20
4-Bromophenyl-phenylether
Concen: 0.12 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:248 Resp: 925

Ion	Ratio	Lower	Upper
248	100		
250	102.3	80.5	120.7
141	83.9	72.0	108.0

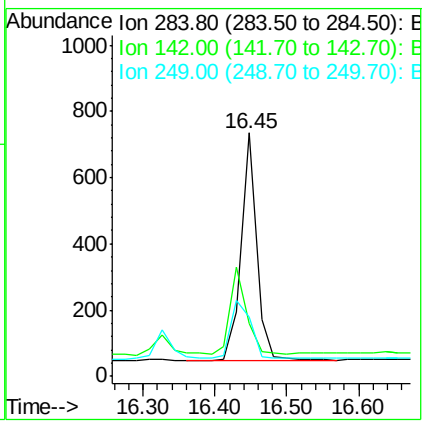




#21
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:284 Resp: 1022

Ion	Ratio	Lower	Upper
284	100		
142	39.6	32.2	48.2
249	33.8	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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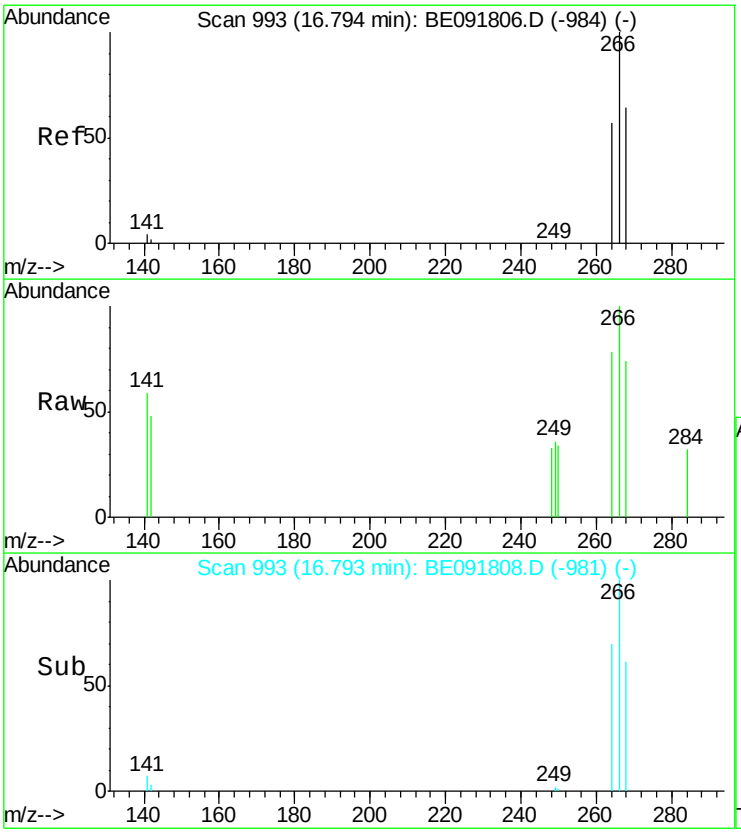
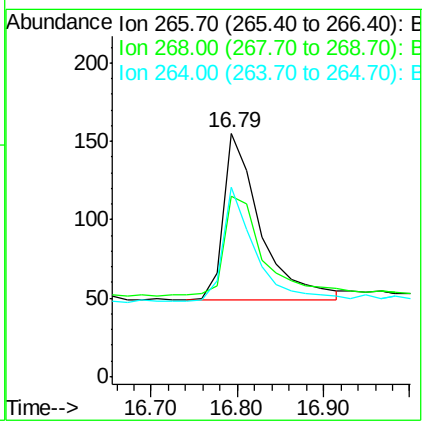
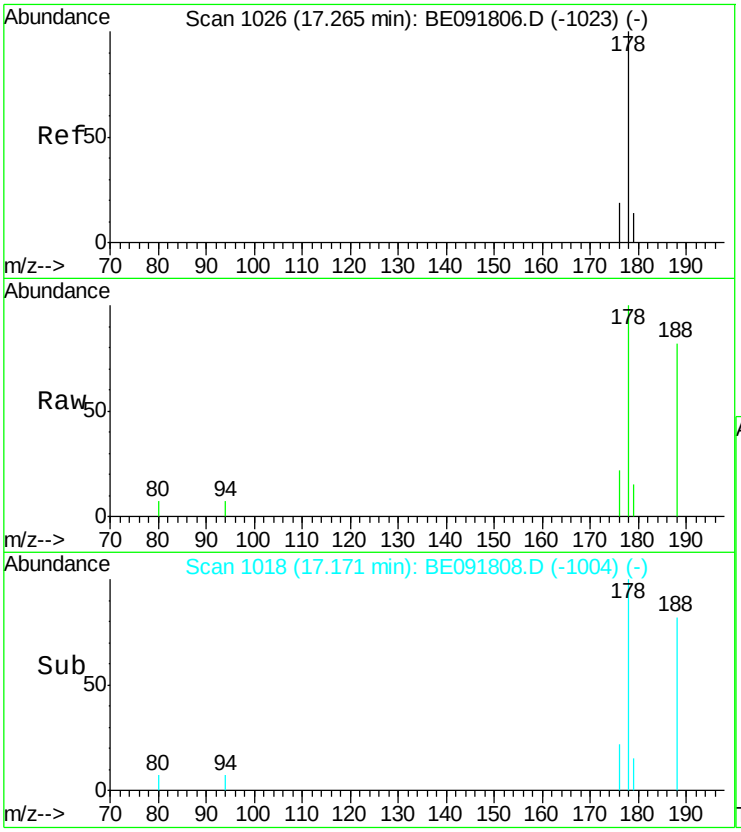


#22
Pentachlorophenol
Concen: 0.09 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:266 Resp: 317

Ion	Ratio	Lower	Upper
266	100		
268	74.2	58.2	87.2
264	78.1	56.2	84.4





#23
Phenanthrene
Concen: 0.13 ng m
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:178 Resp: 6421

Ion	Ratio	Lower	Upper
178	100		
176	15.2	15.3	22.9#
179	11.7	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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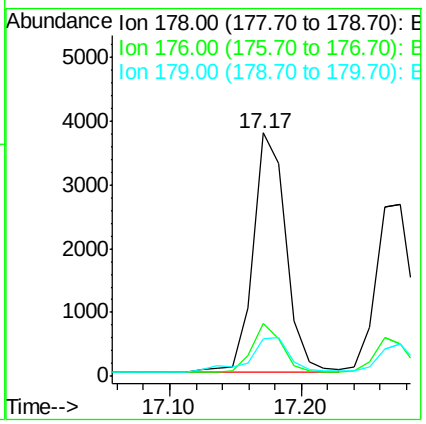
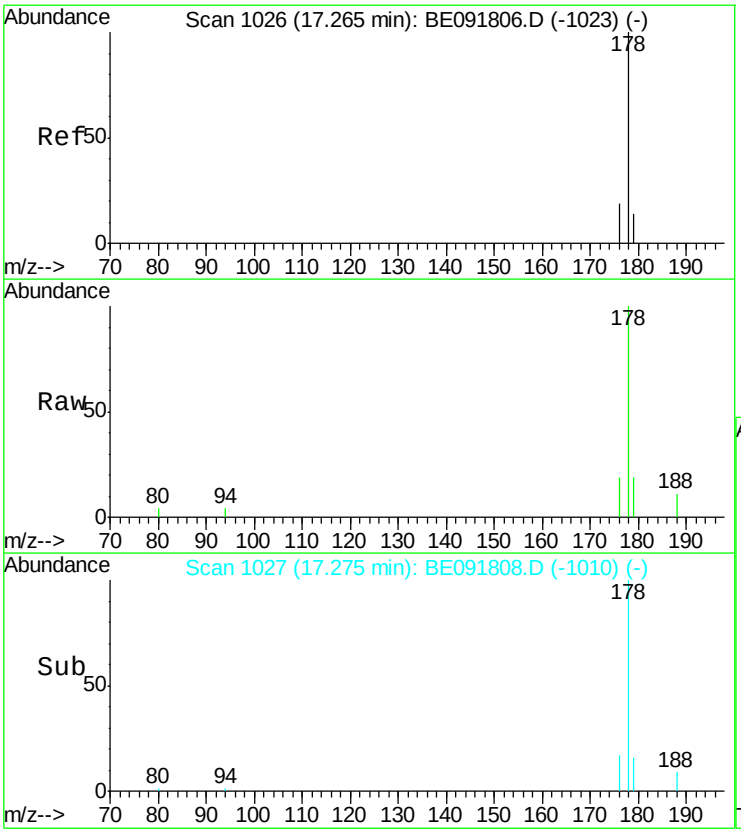
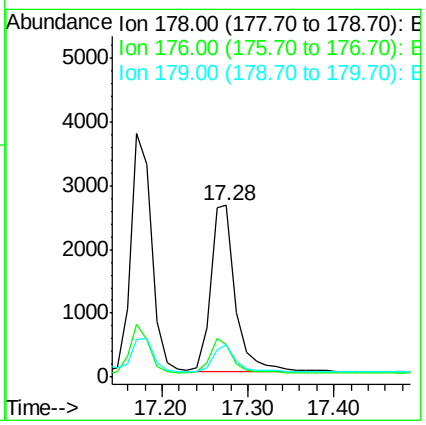


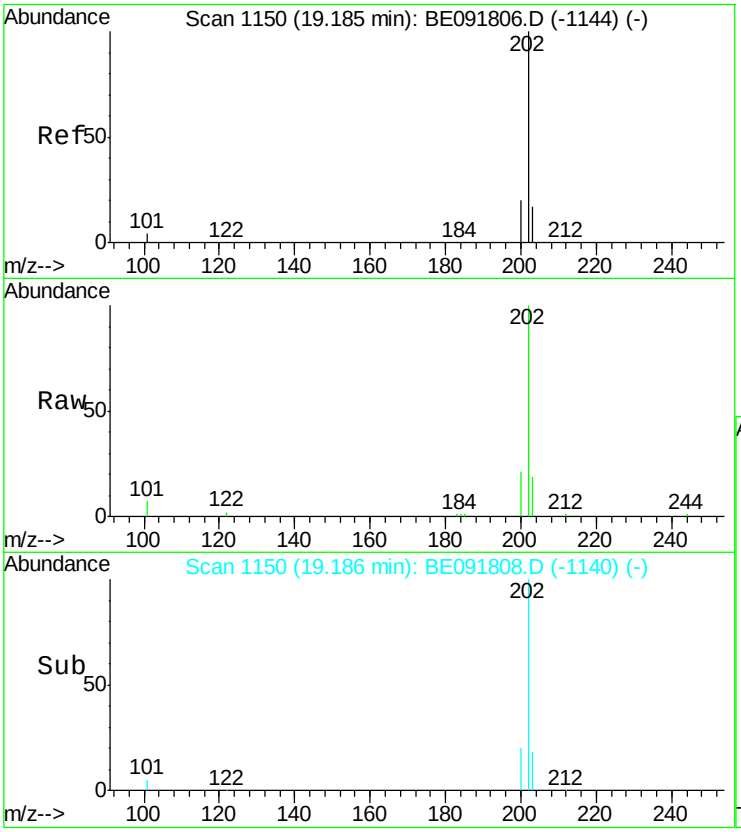


#24
Anthracene
Concen: 0.12 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:178 Resp: 5255

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	14.9	11.8	17.6

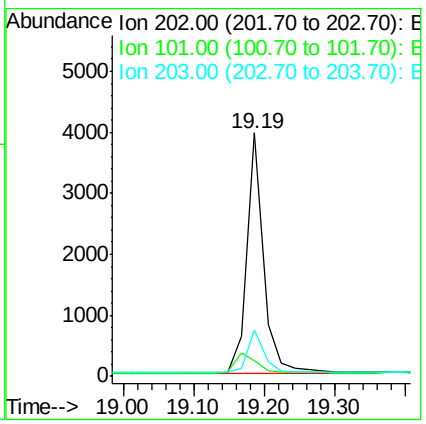




#25
Fluoranthene
Concen: 0.13 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:202 Resp: 6549

Ion	Ratio	Lower	Upper
202	100		
101	10.8	11.0	16.6#
203	17.8	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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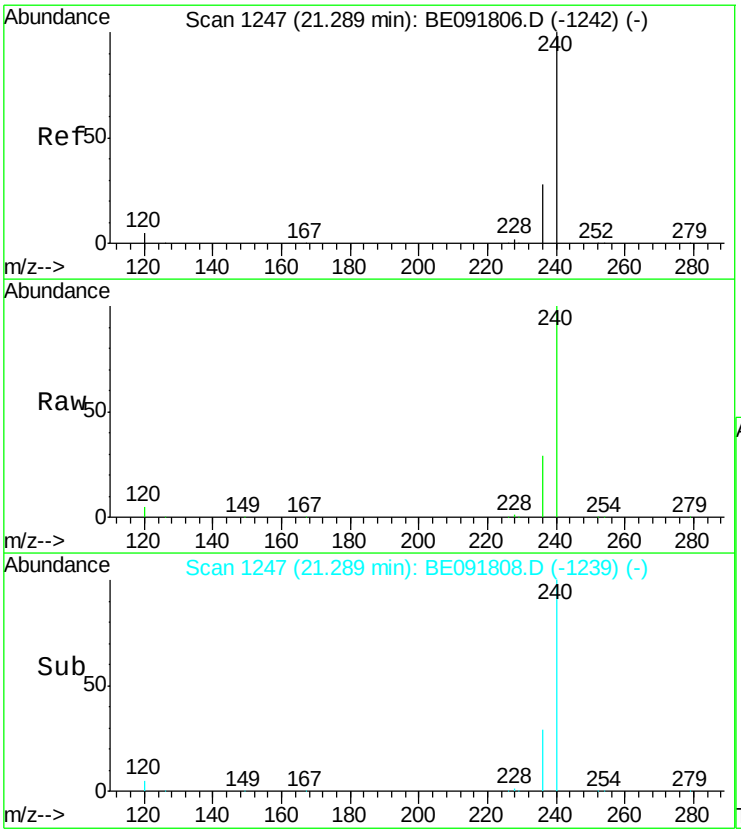
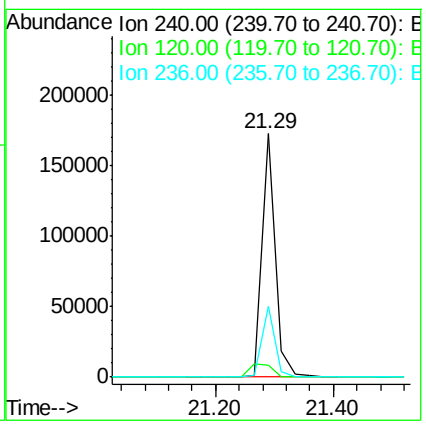
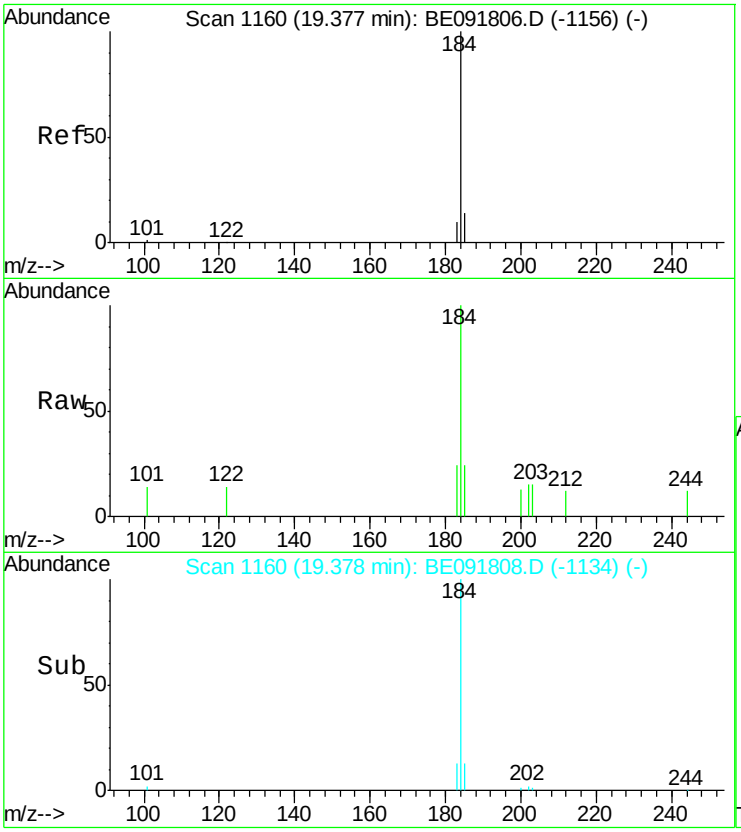


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:240 Resp: 272399

Ion	Ratio	Lower	Upper
240	100		
120	4.9	11.0	16.4#
236	29.0	21.7	32.5





#27
Benzidine
Concen: 0.09 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:184 Resp: 1458

Ion	Ratio	Lower	Upper
184	100		
185	24.3	22.3	33.5
183	23.6	16.4	24.6

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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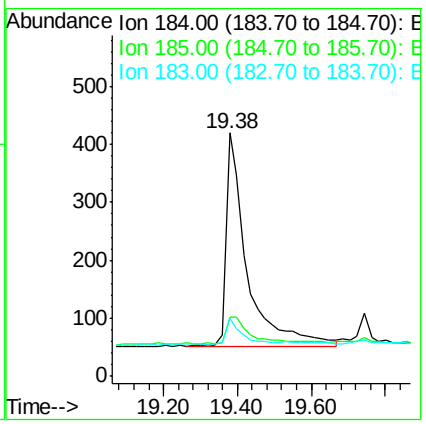
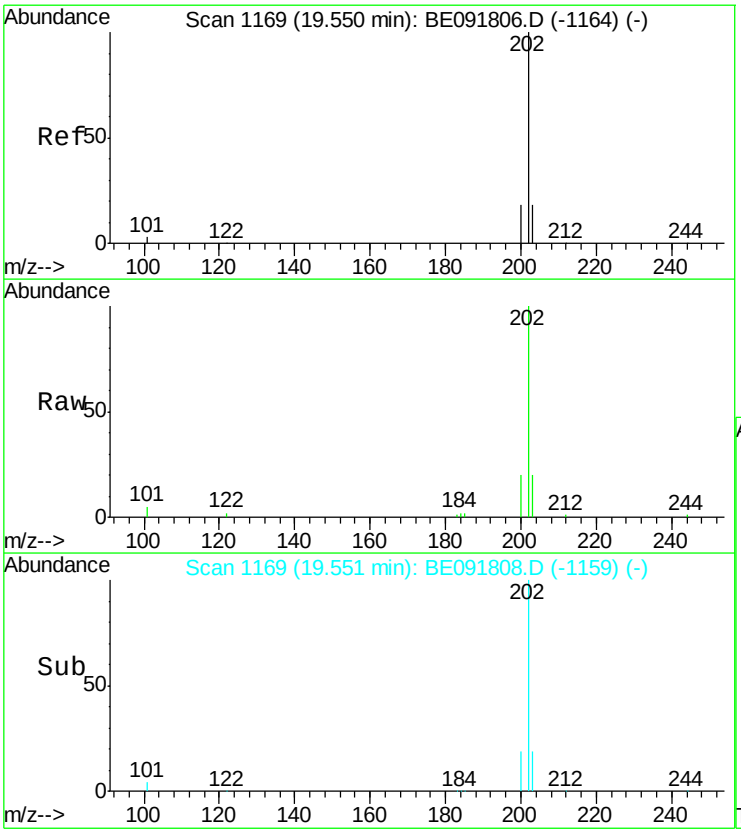
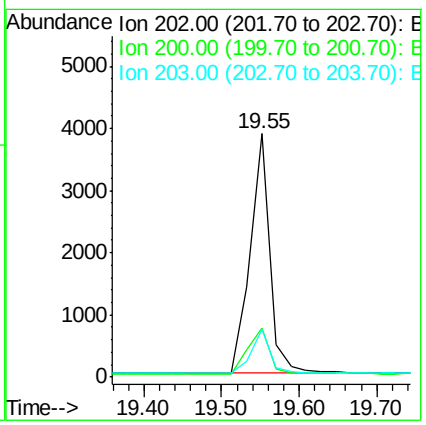


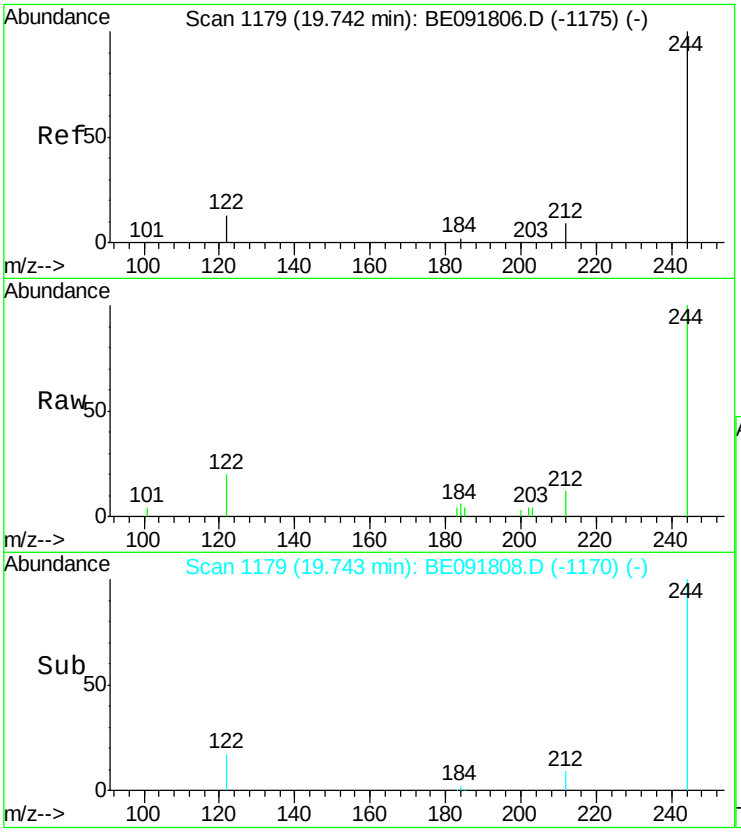


#28
Pyrene
Concen: 0.11 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:202 Resp: 6818

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.7	14.0	21.0





#29
Terphenyl-d14
Concen: 0.10 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:244 Resp: 4205

Ion	Ratio	Lower	Upper
244	100		
212	12.0	6.9	10.3#
122	19.9	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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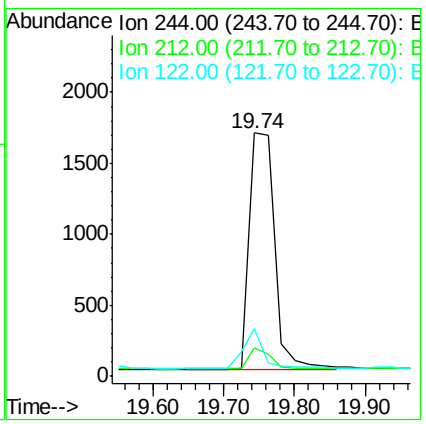
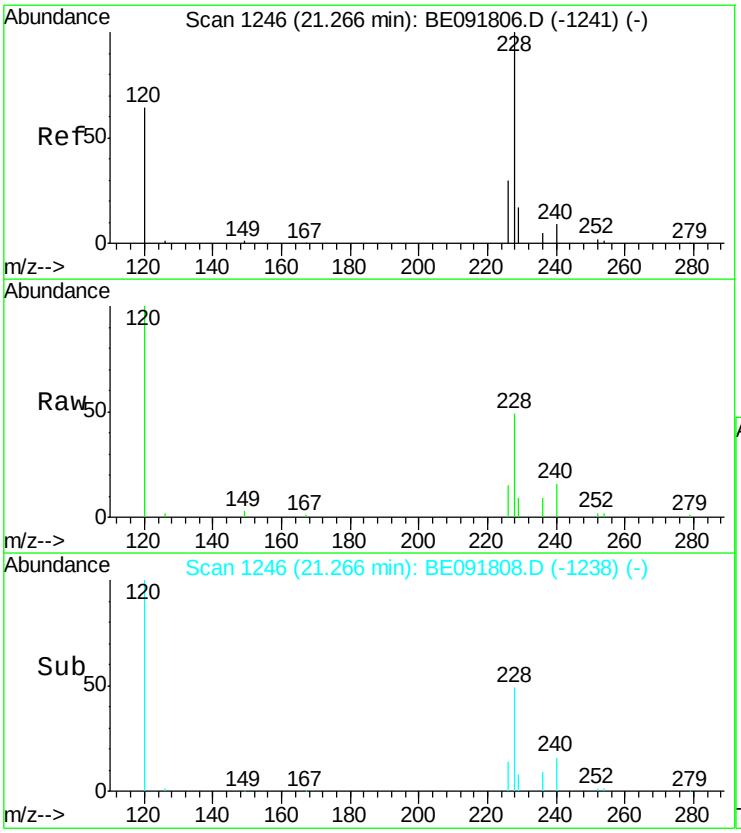
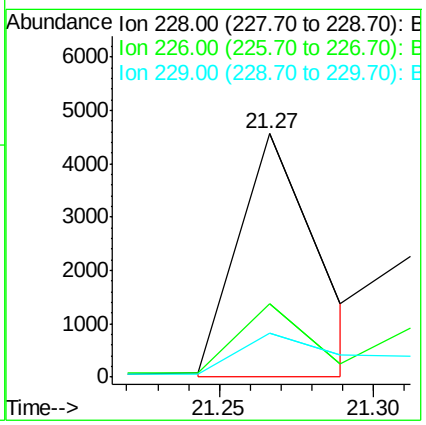


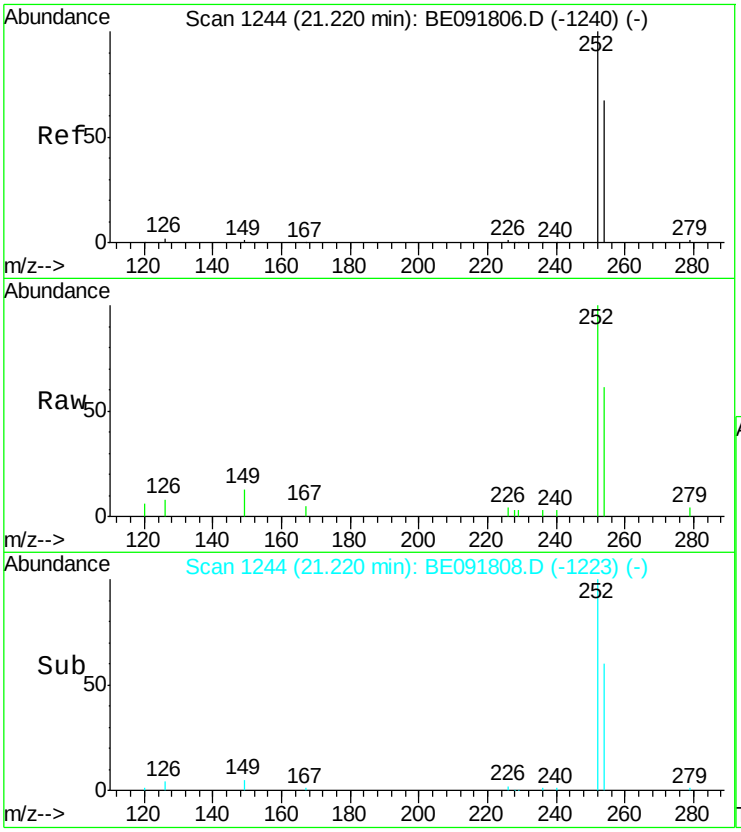


#30
Benzo(a)anthracene
Concen: 0.12 ng m
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:228 Resp: 8206

Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.0	31.4
229	18.3	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 0.12 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:252 Resp: 3910

Ion	Ratio	Lower	Upper
252	100		
254	60.7	51.1	76.7
126	7.9	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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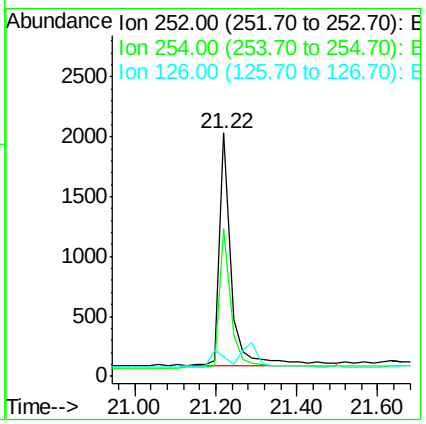
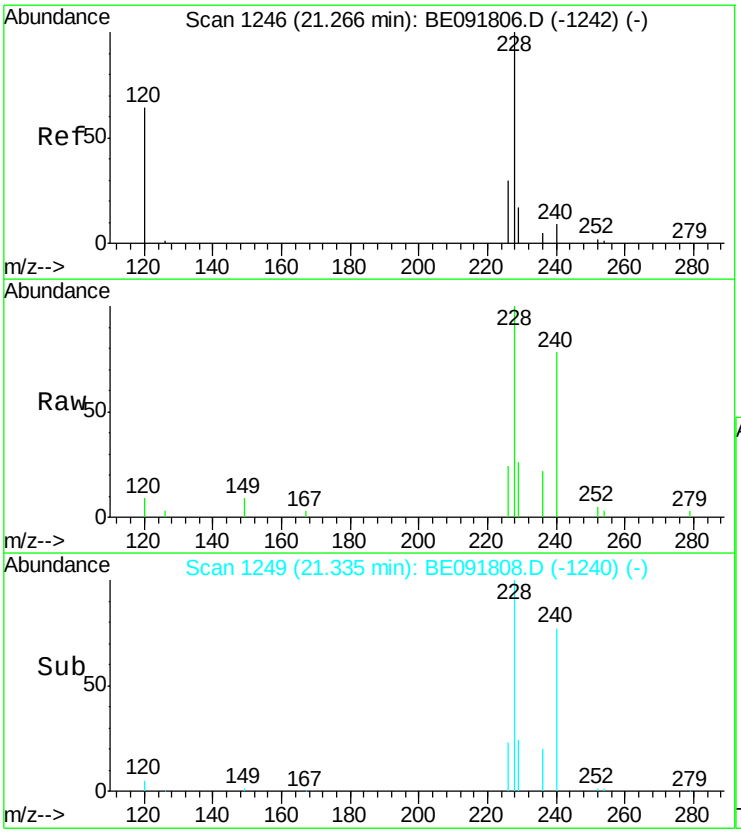
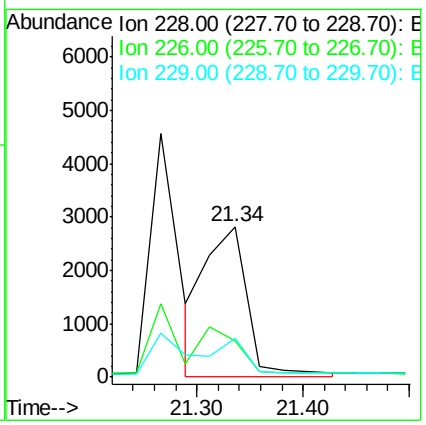


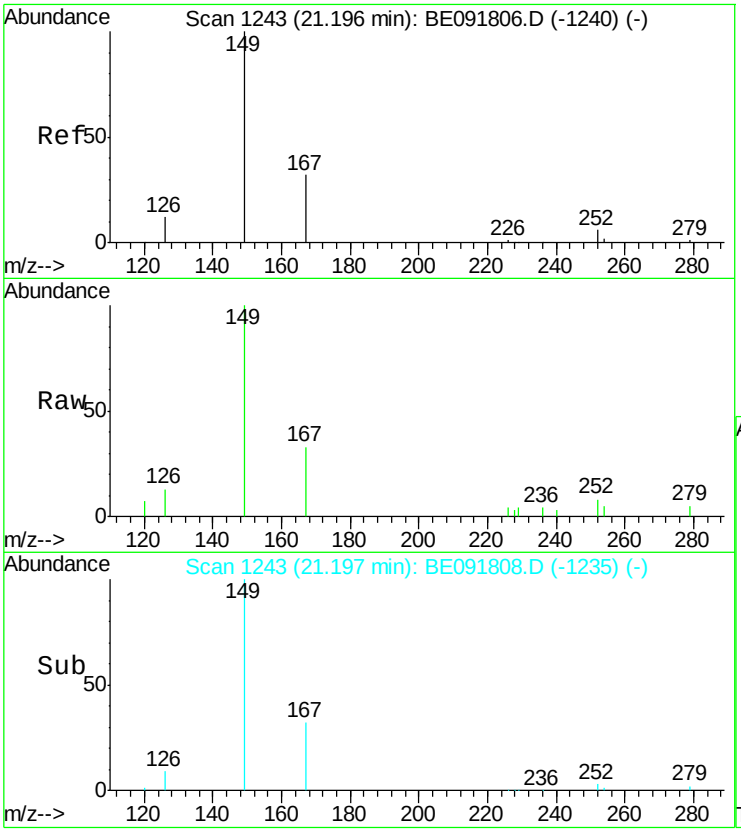


#32
Chrysene
Concen: 0.11 ng m
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:228 Resp: 7778

Ion	Ratio	Lower	Upper
228	100		
226	24.3	24.0	36.0
229	25.5	15.9	23.9#





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.12 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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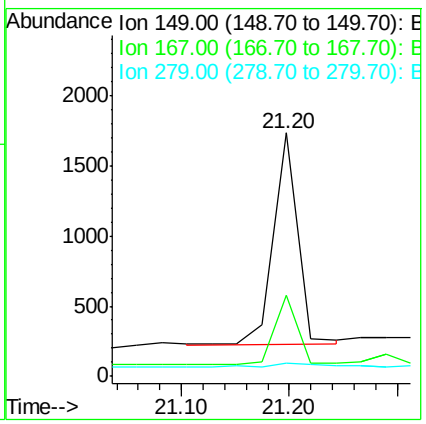
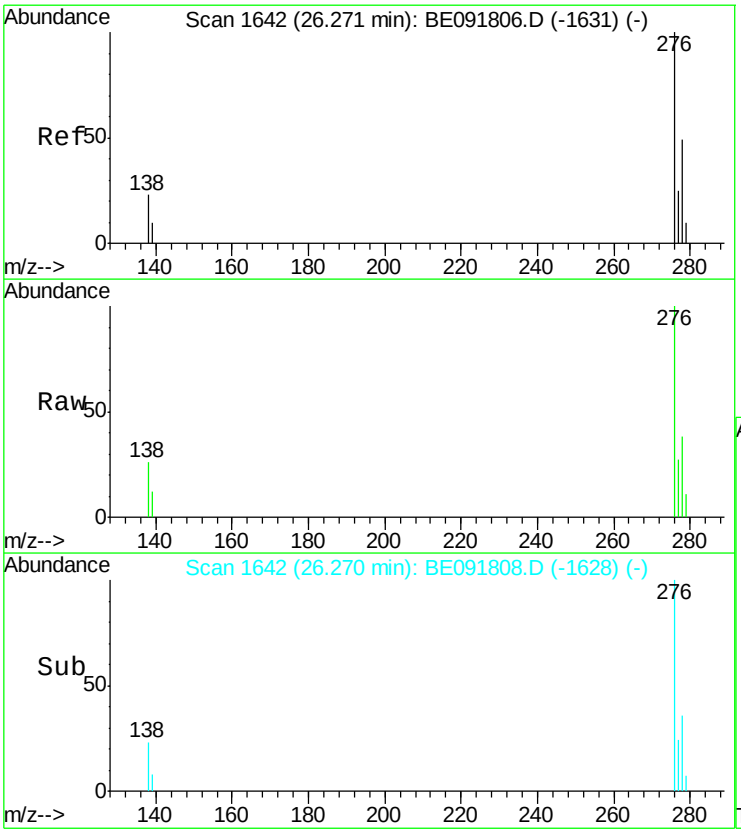
Tgt Ion:149 Resp: 2387

Ion	Ratio	Lower	Upper
149	100		
167	31.2	19.5	29.3#
279	5.2	10.0	15.0#

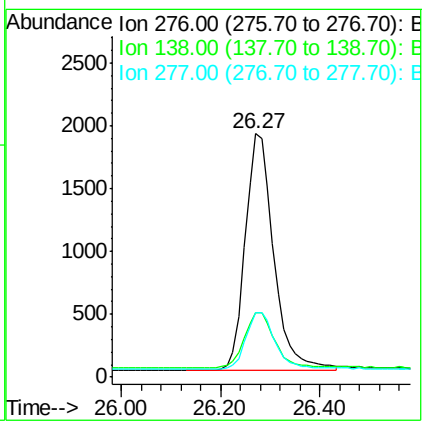


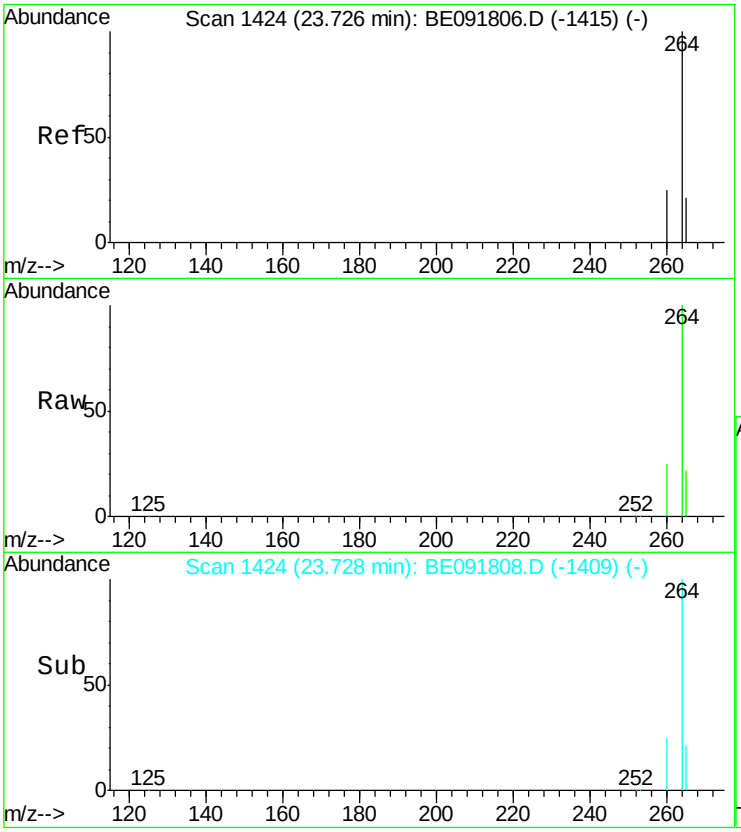


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.12 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.04 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:276 Resp: 7587

Ion	Ratio	Lower	Upper
276	100		
138	24.6	23.4	35.2
277	25.2	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: BE091808.D
Acq: 19 May 2016 13:50

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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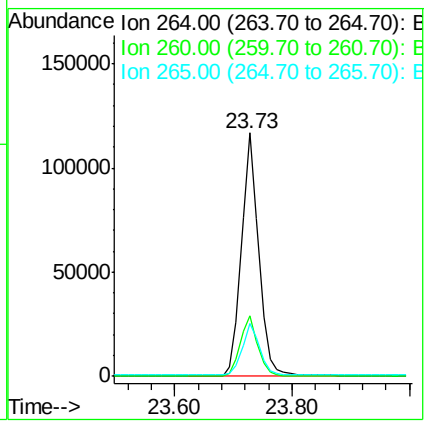
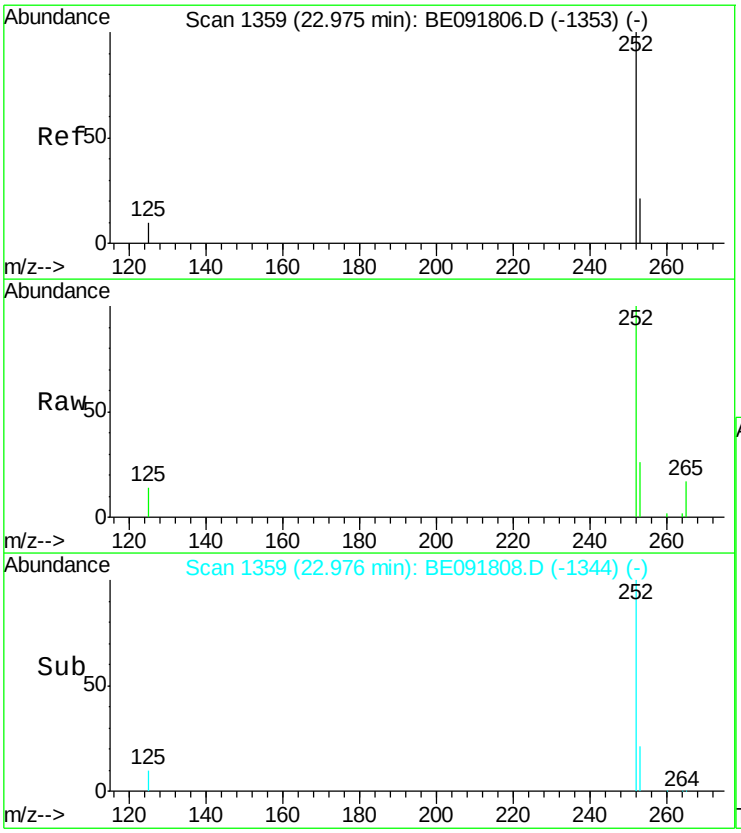
Tgt Ion:264 Resp: 240550

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.0	30.0
265	21.8	17.5	26.3

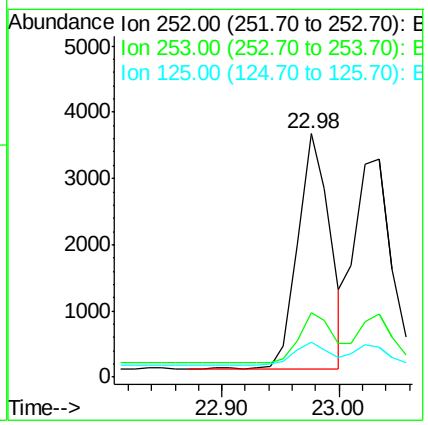


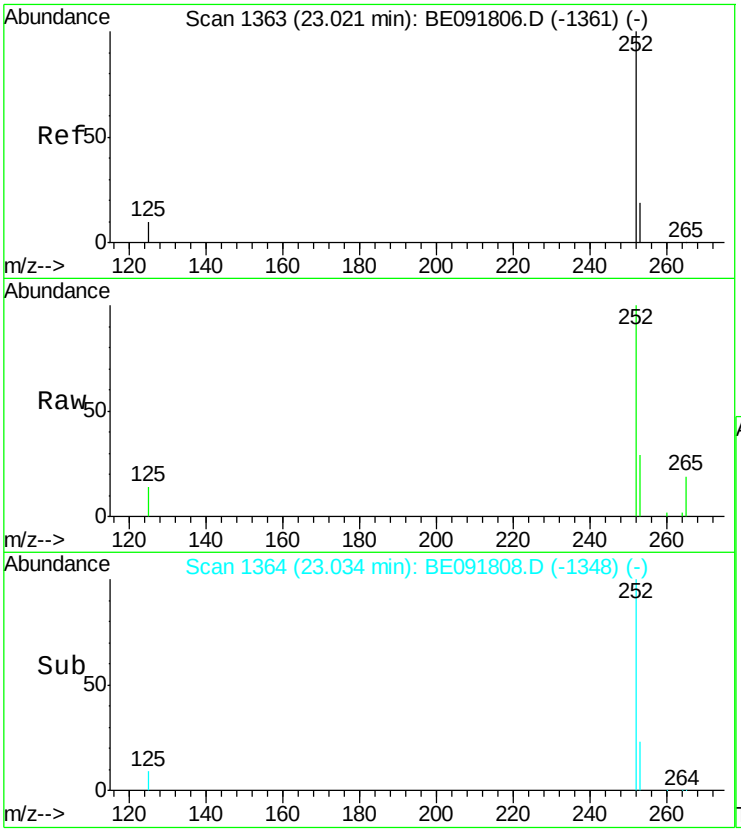


#36
Benzo(b)fluoranthene
Concen: 0.12 ng
RT: 22.98 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:252 Resp: 6748

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.0#
125	14.5	10.2	15.2





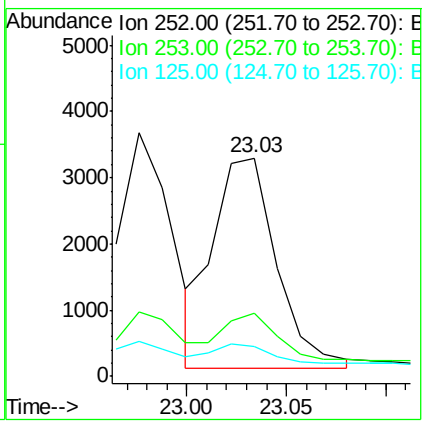
#37
Benzo(k)fluoranthene
Concen: 0.12 ng m
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

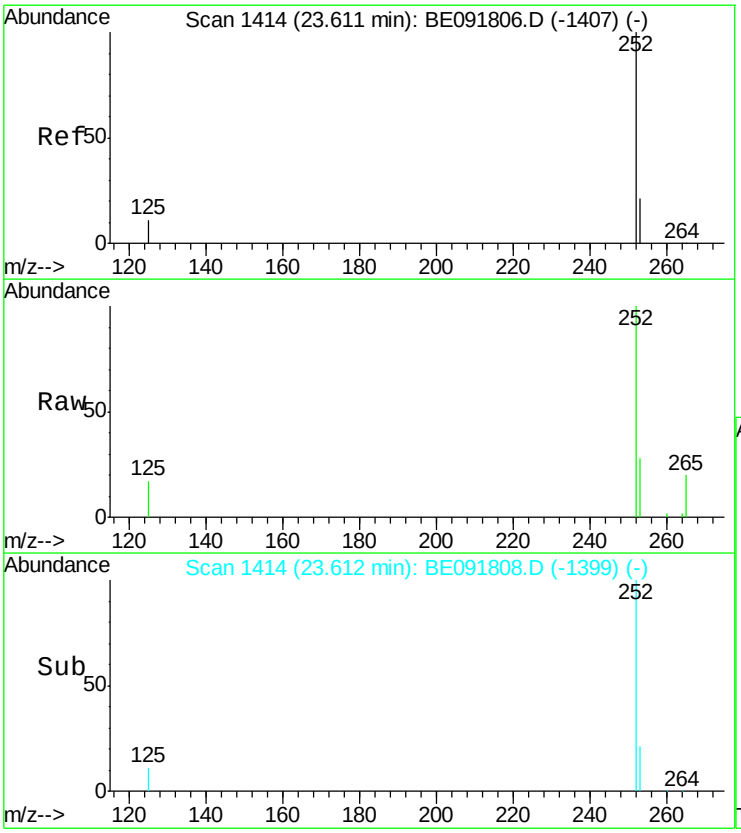
Tgt Ion:252 Resp: 7050

Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.6	26.4#
125	13.8	9.9	14.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
sohil
5/20/2016 7:24:06 PM

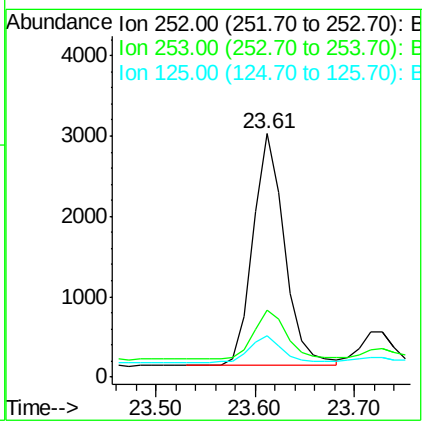


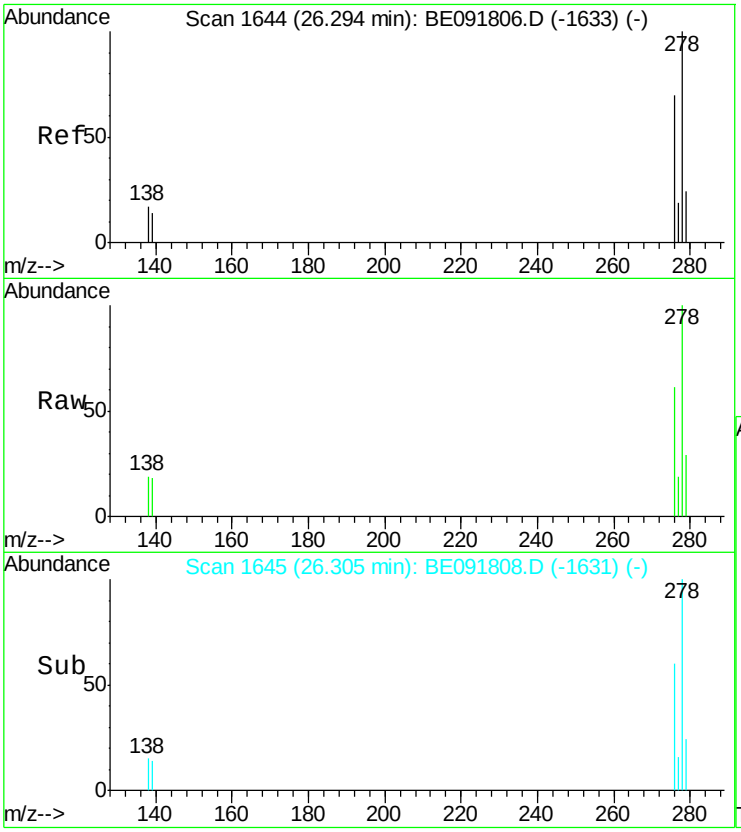


#38
Benzo(a)pyrene
Concen: 0.12 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:252 Resp: 6363

Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.1	27.1#
125	16.9	11.0	16.4#

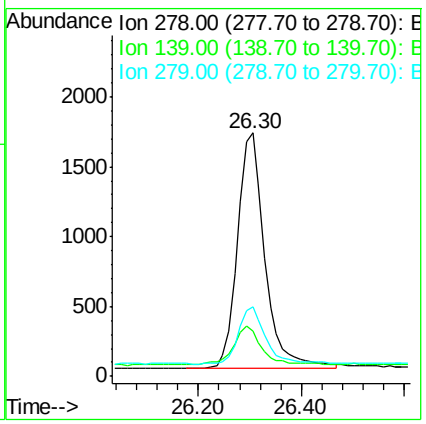




#39
Dibenzo(a,h)anthracene
Concen: 0.12 ng
RT: 26.30 min Scan# 1645
Delta R.T. -0.04 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

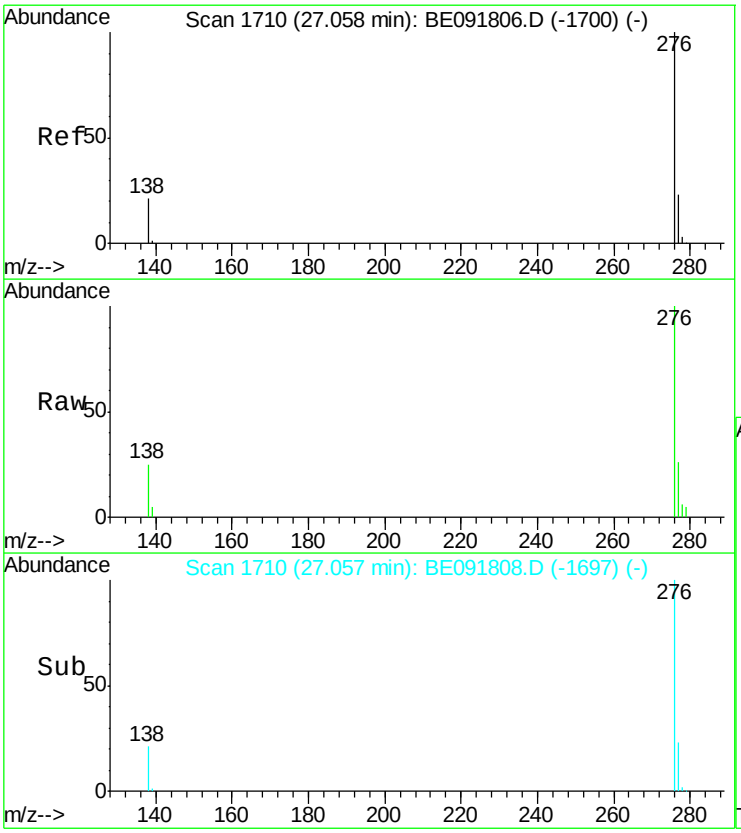
Tgt Ion:278 Resp: 6263

Ion	Ratio	Lower	Upper
278	100		
139	18.4	16.0	24.0
279	28.5	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
sohil
5/20/2016 7:24:06 PM



#40
Benzo(g,h,i)perylene
Concen: 0.13 ng
RT: 27.06 min Scan# 1710
Delta R.T. -0.05 min
Lab File: BE091808.D
Acq: 19 May 2016 13:50

Tgt Ion:276 Resp: 6652

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	24.5	20.4	30.6