Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040816\
Data File : BE091608.D
Acq On : 8 Apr 2016 12:26
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC3.2

Quant Time: Apr 08 15:12:09 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 14:53:35 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	37970	5.00	ng		-0.02
7) Naphthalene-d8	10.59	136	178059	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	106325	5.00	ng		0.00
19) Phenanthrene-d10	17.16	188	257970	5.00	ng		0.00
26) Chrysene-d12	21.31	240	339631	5.00	ng		0.00
35) Perylene-d12	23.76	264	303413	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	30277	3.82	ng		-0.02
5) Phenol-d6	6.97	99	41306	4.25	ng		0.00
8) Nitrobenzene-d5	8.96	82	37036	3.86	ng		0.00
14) 2,4,6-Tribromophenol	15.91	330	13456	4.01	ng		0.00
15) 2-Fluorobiphenyl	13.05	172	97497	3.38	ng		0.00
29) Terphenyl-d14	19.76	244	142581	3.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	13779	2.04	ng	#	88
3) n-Nitrosodimethylamine	3.64	42	20061	3.00	ng	#	98
6) bis(2-Chloroethyl)ether	7.23	93	35285	3.05	ng	#	77
9) Nitrobenzene	8.99	77	39815	3.87	ng		95
10) Naphthalene	10.63	128	120273	3.14	ng		98
11) Hexachlorobutadiene	10.92	225	19387	3.04	ng		97
12) 2-Methylnaphthalene	12.24	142	77568	3.43	ng		95
16) Acenaphthylene	14.14	152	145876	0.82	ng	#	87
17) Acenaphthene	14.49	154	86286	3.04	ng		90
18) Fluorene	15.47	166	109847	3.13	ng		98
20) 4-Bromophenyl-phenylether	16.34	248	32134	3.30	ng		93
21) Hexachlorobenzene	16.46	284	31344	0.63	ng		99
22) Pentachlorophenol	16.81	266	14790	4.08	ng	#	90
23) Phenanthrene	17.20	178	193461	2.96	ng		99
24) Anthracene	17.29	178	184037	3.15	ng		98
25) Fluoranthene	19.21	202	223112	2.88	ng	#	96
27) Benzidine	19.38	184	94911	15.49	ng	#	75
28) Pyrene	19.57	202	235221	2.71	ng		100
30) Benzo(a)anthracene	21.29	228	485432	6.08	ng		93
31) 3,3'-Dichlorobenzidine	21.24	252	169720	12.43	ng	#	82
32) Chrysene	21.29	228	487993	4.77	ng		97
33) Bis(2-ethylhexyl)phthalate	21.22	149	174484	5.48	ng	#	86
34) Indeno(1,2,3-cd)pyrene	26.33	276	262452	3.19	ng		97
36) Benzo(b)fluoranthene	23.01	252	234405	3.50	ng		97
37) Benzo(k)fluoranthene	23.06	252	238576	2.59	ng		97
38) Benzo(a)pyrene	23.65	252	223211	3.60	ng		96
39) Dibenzo(a,h)anthracene	26.35	278	217443	3.55	ng		96
40) Benzo(g,h,i)perylene	27.13	276	221118	3.32	ng		95

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

Quantitation Report (Not Reviewed)

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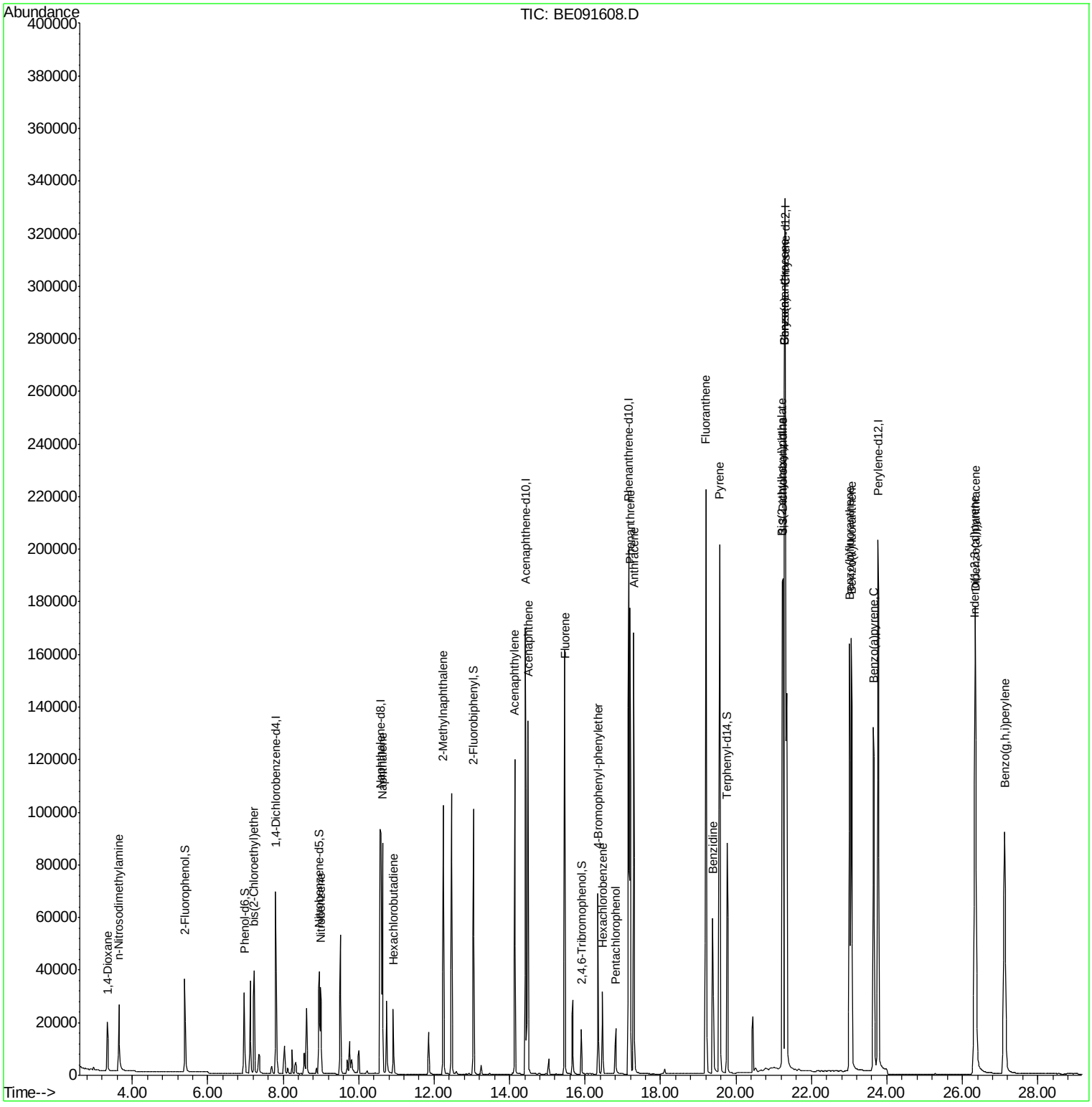
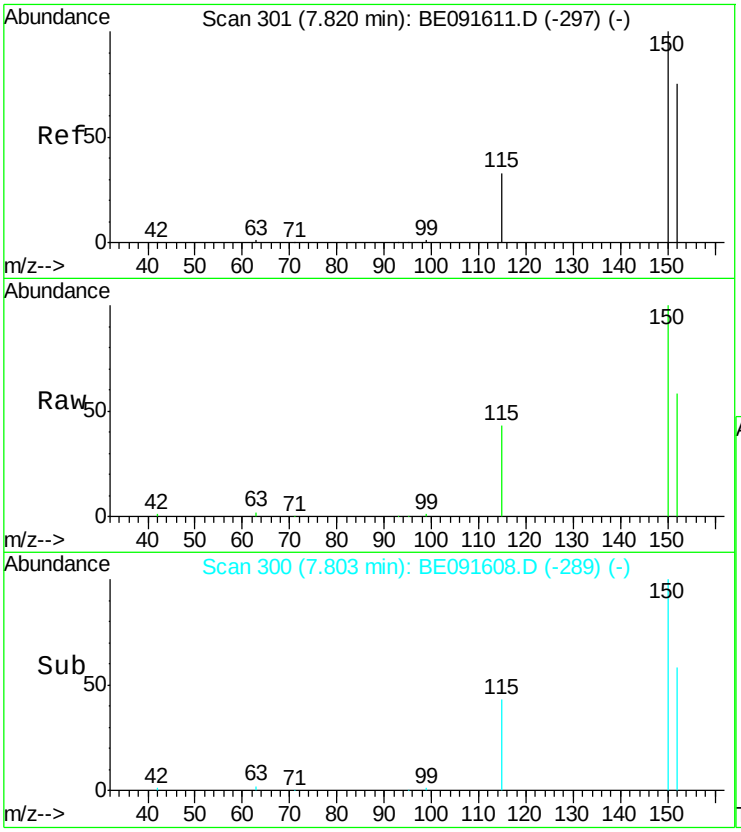
Acq On : 8 Apr 2016 12:26
Operator : UM/SJ
Sample : SSTDICC3.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Quant Time: Apr 08 15:12:09 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 14:53:35 2016
Response via : Initial Calibration



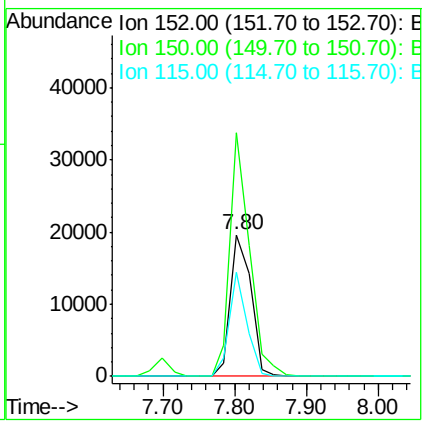


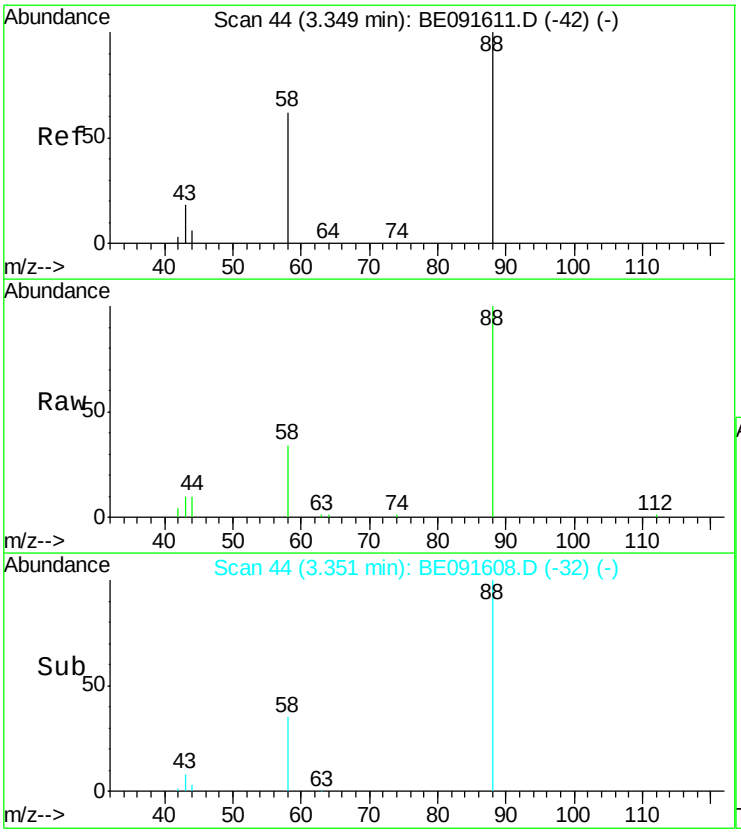
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.02 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 37970

Ion	Ratio	Lower	Upper
152	100		
150	171.9	122.6	183.8
115	73.6	52.8	79.2

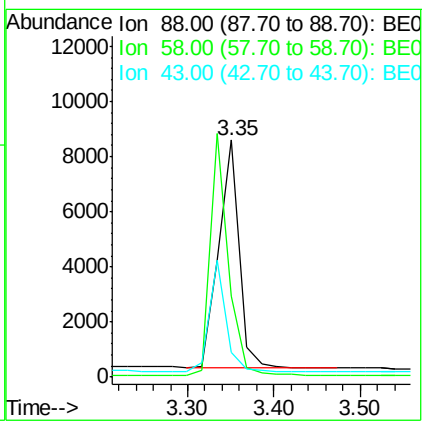


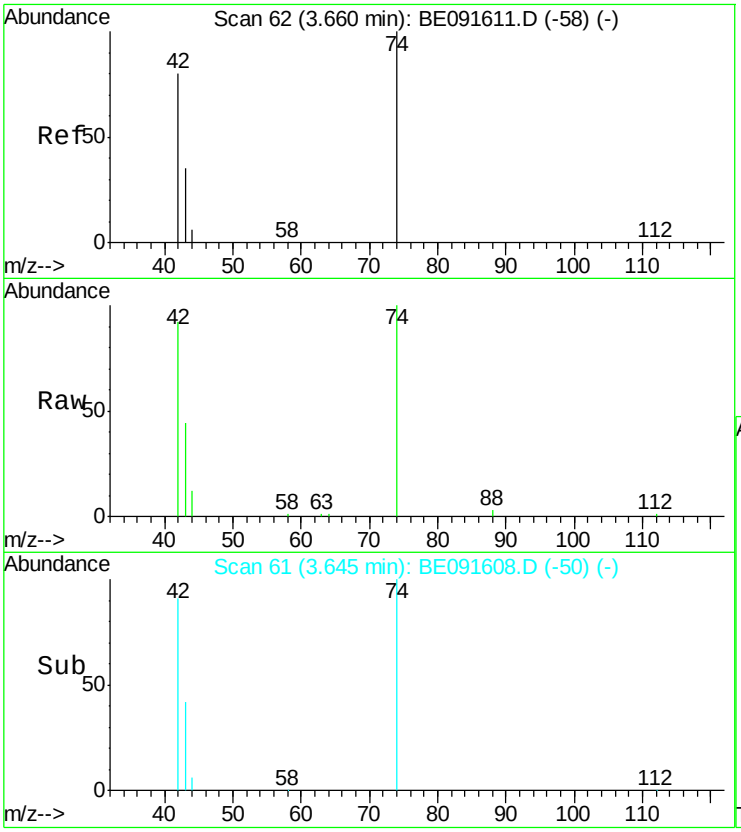


#2
1,4-Dioxane
Concen: 2.04 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion: 88 Resp: 13779

Ion	Ratio	Lower	Upper
88	100		
58	92.6	65.8	98.6
43	39.3	25.3	37.9#



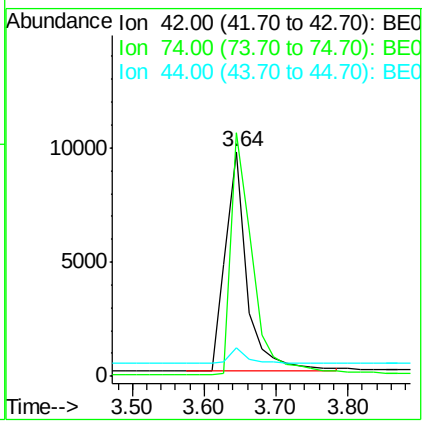


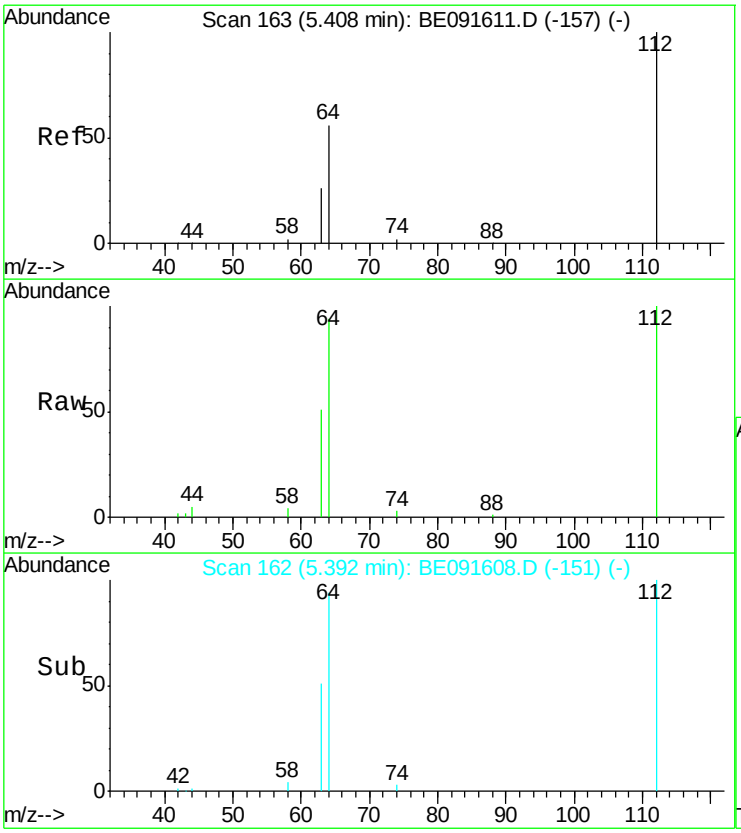
#3
n-Nitrosodimethylamine
Concen: 3.00 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.02 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 20061

Ion	Ratio	Lower	Upper
42	100		
74	108.3	87.9	131.9
44	6.0	6.6	9.8#

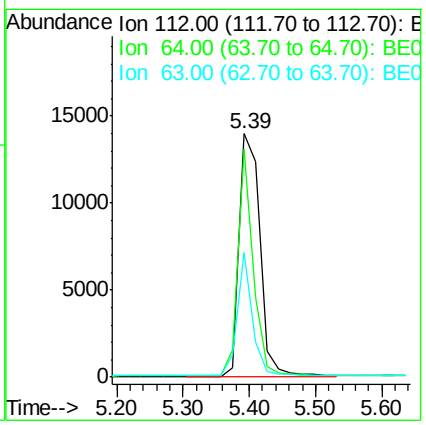


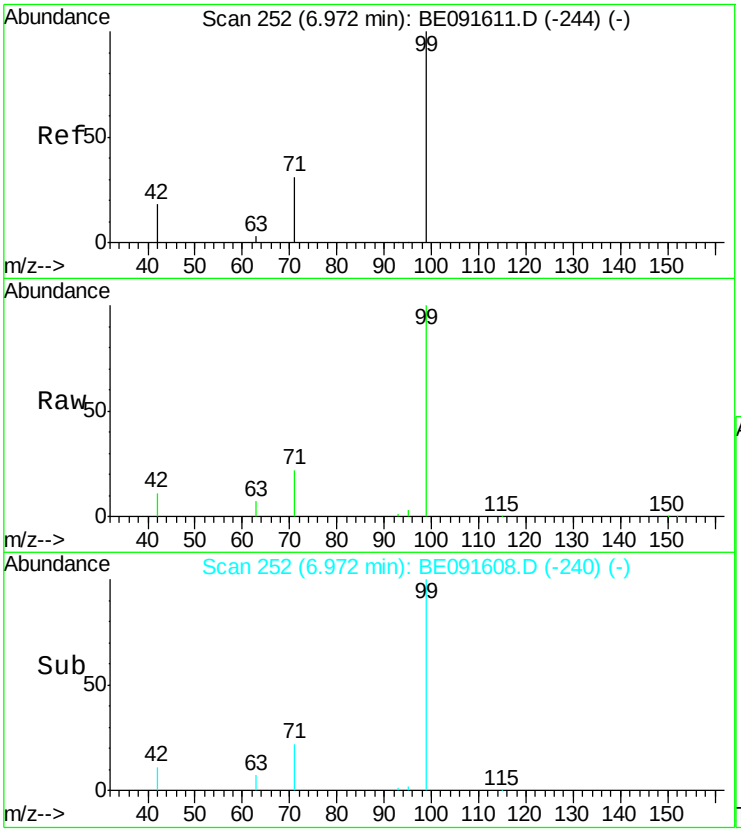


#4
2-Fluorophenol
Concen: 3.82 ng
RT: 5.39 min Scan# 162
Delta R.T. -0.02 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:112 Resp: 30277

Ion	Ratio	Lower	Upper
112	100		
64	69.5	30.9	46.3#
63	36.9	16.7	25.1#



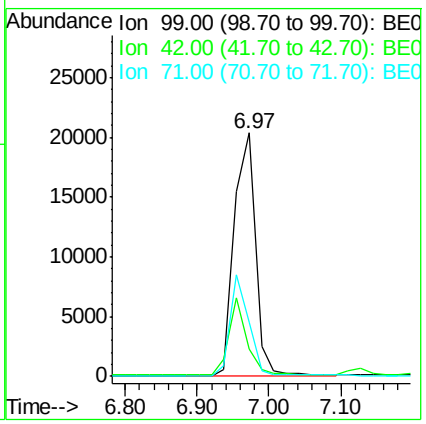


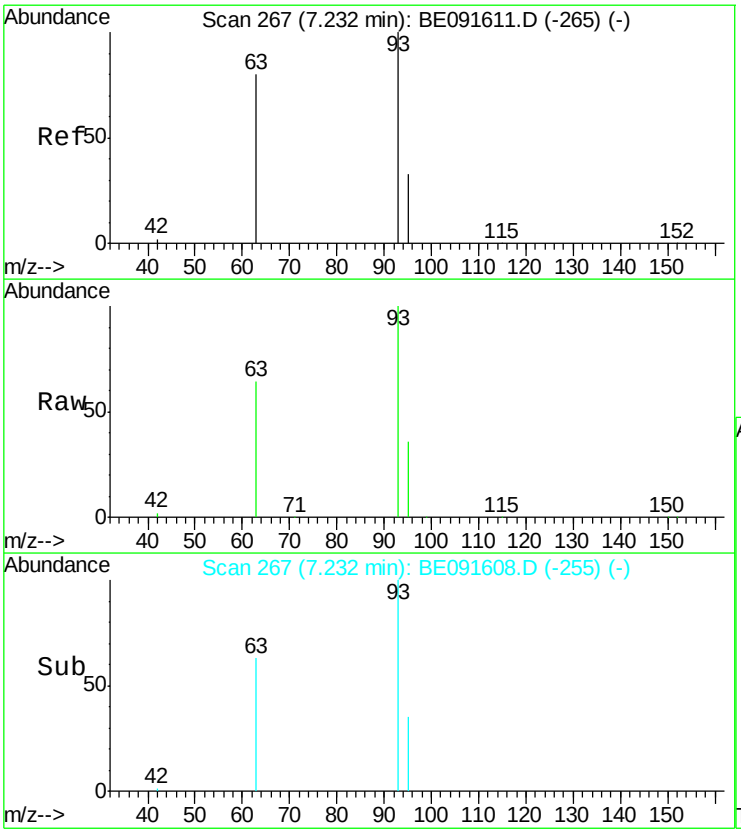
#5
Phenol-d6
Concen: 4.25 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 41306

Ion	Ratio	Lower	Upper
99	100		
42	26.5	16.2	24.2#
71	36.2	29.0	43.4

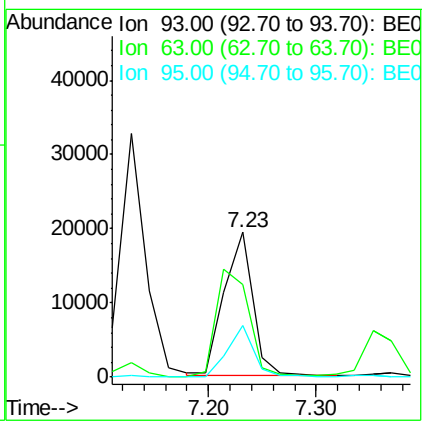


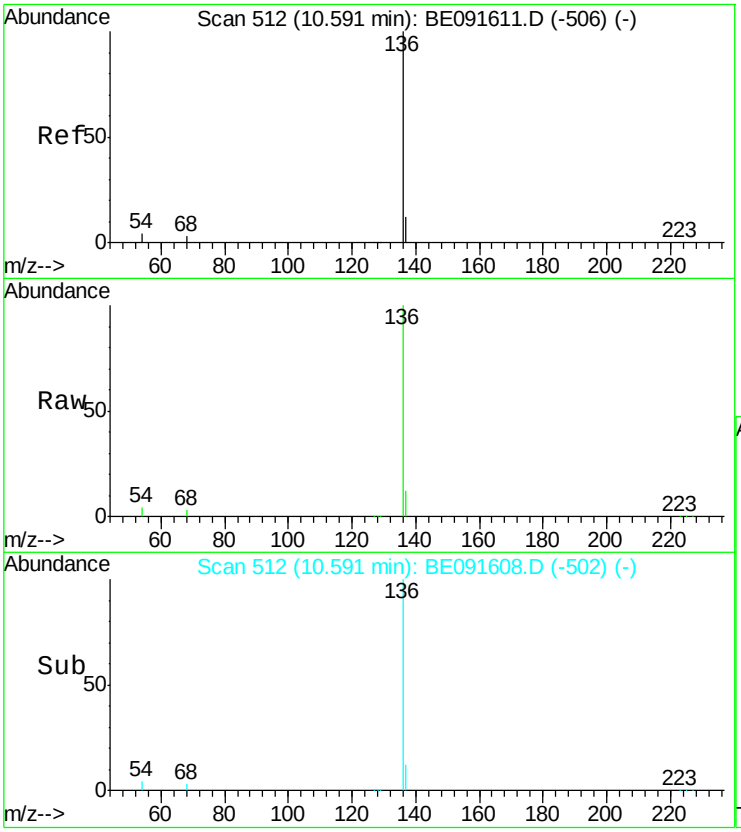


#6
bis(2-Chloroethyl)ether
Concen: 3.05 ng
RT: 7.23 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion: 93 Resp: 35285

Ion	Ratio	Lower	Upper
93	100		
63	84.8	49.5	74.3#
95	32.3	22.2	33.4



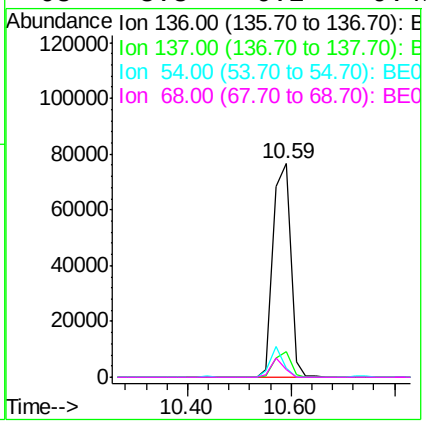


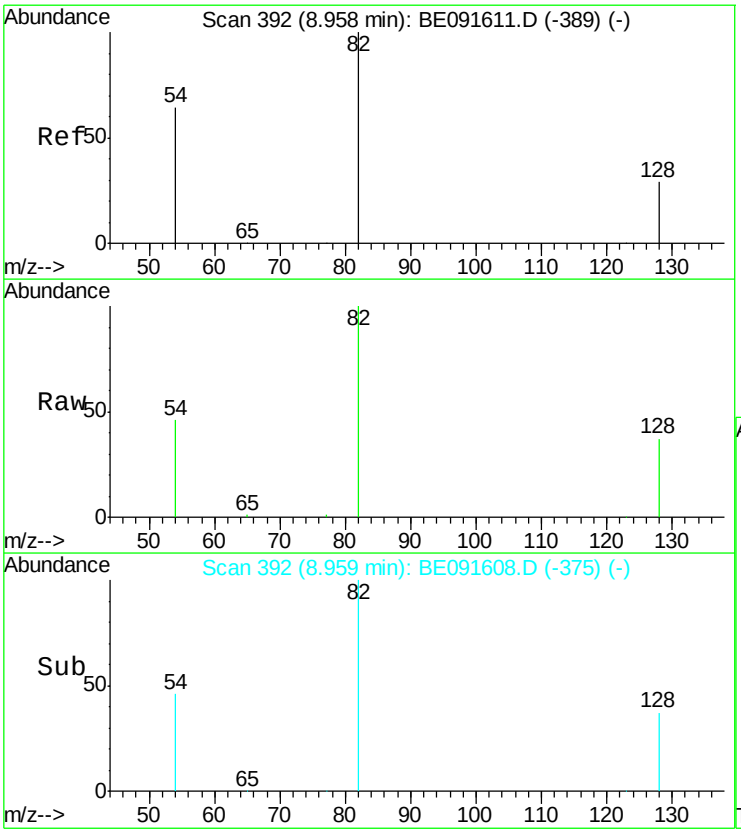
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 178059

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.9	13.3
54	3.9	8.2	12.4#
68	3.3	6.2	9.4#

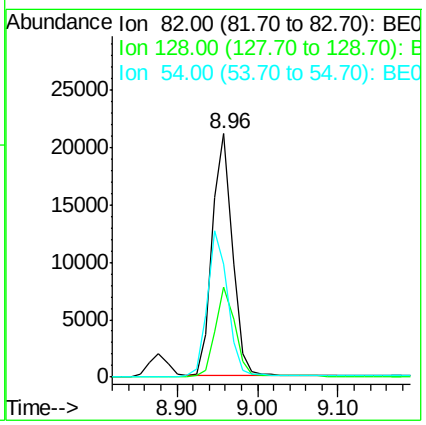


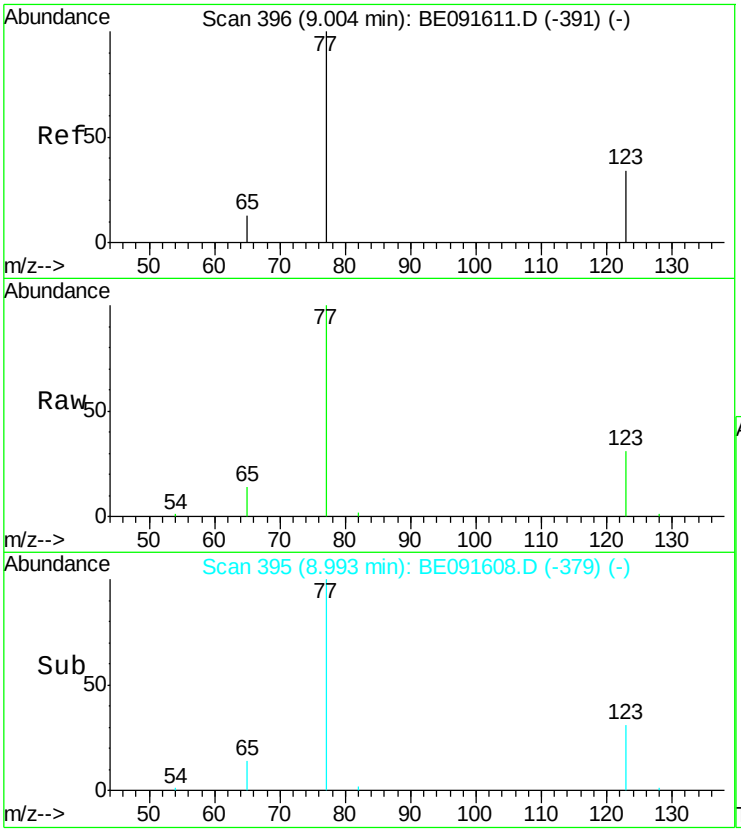


#8
Nitrobenzene-d5
Concen: 3.86 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion: 82 Resp: 37036

Ion	Ratio	Lower	Upper
82	100		
128	36.9	25.4	38.0
54	46.5	48.4	72.6#



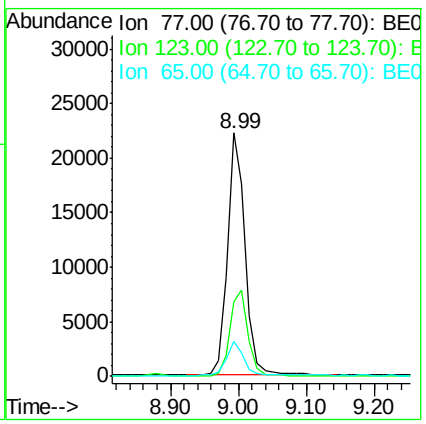


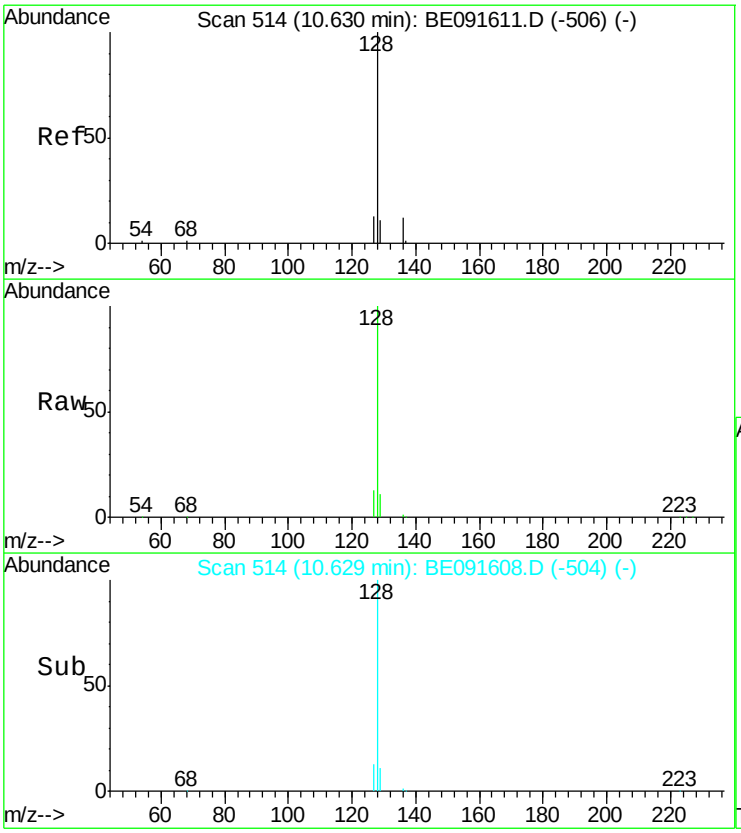
#9
Nitrobenzene
Concen: 3.87 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.01 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 77 Resp: 39815

Ion	Ratio	Lower	Upper
77	100		
123	36.7	26.9	40.3
65	13.8	9.4	14.2

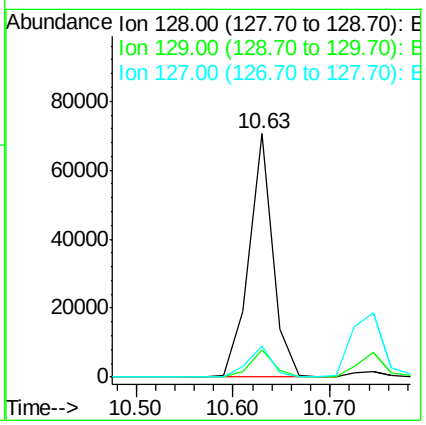


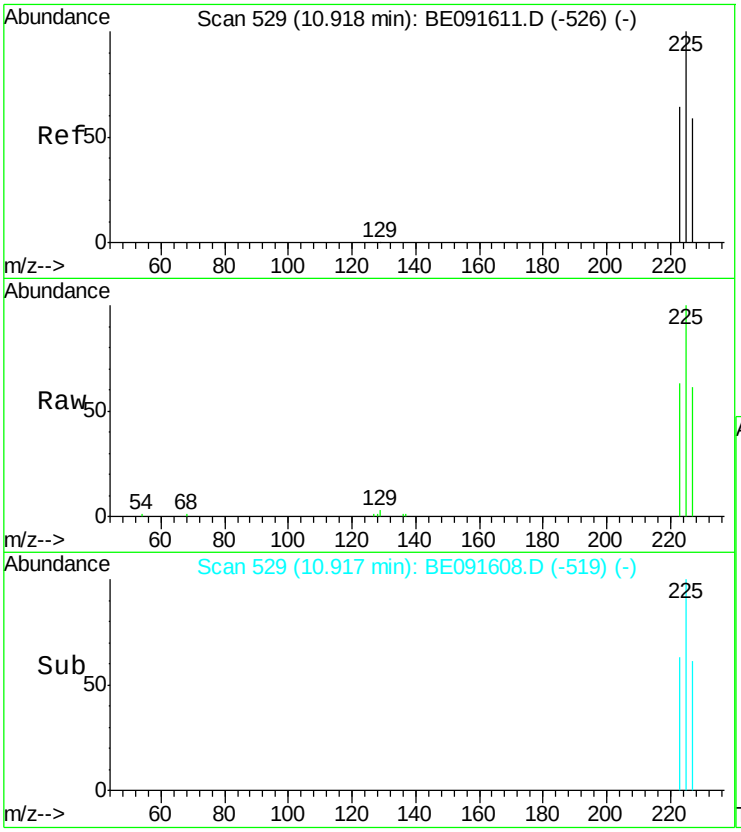


#10
Naphthalene
Concen: 3.14 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:128 Resp: 120273

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	12.6	10.7	16.1



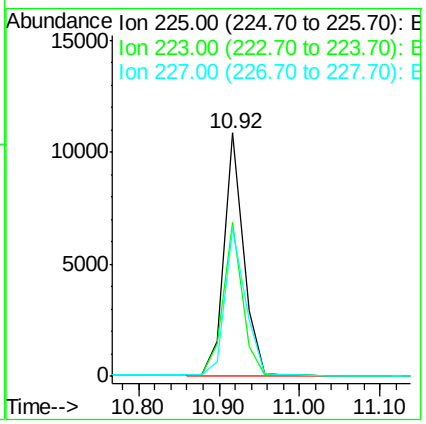


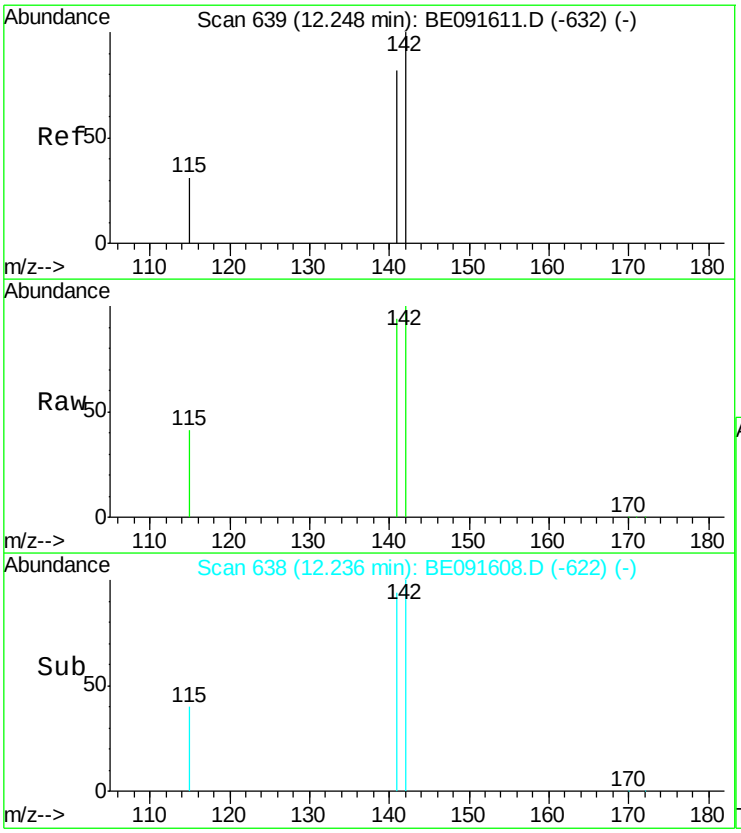
#11
Hexachlorobutadiene
Concen: 3.04 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:225 Resp: 19387

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.0	73.6
227	64.5	50.3	75.5

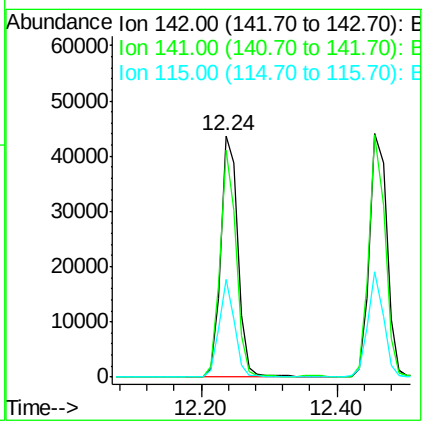


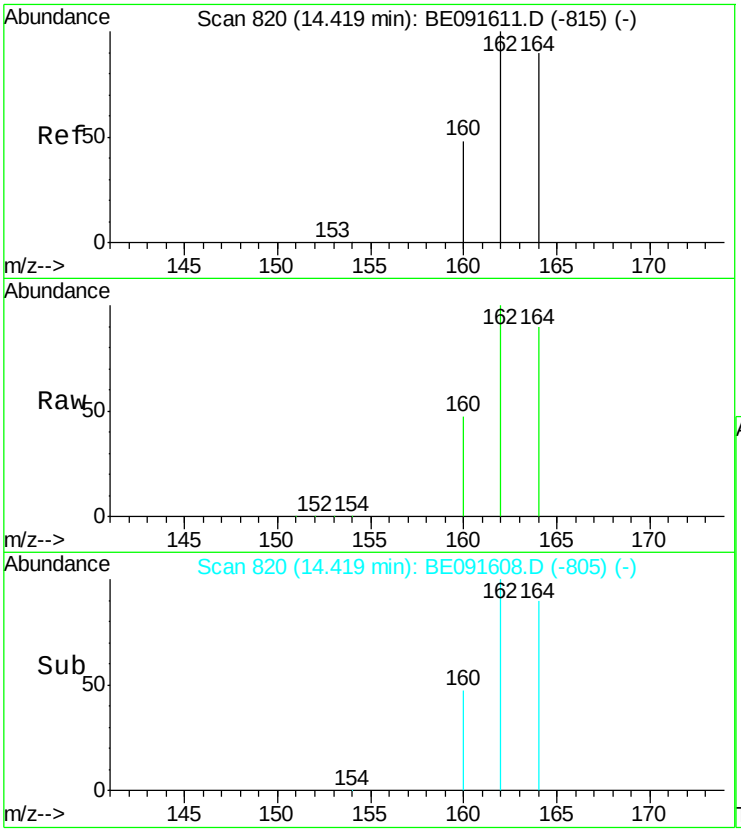


#12
2-Methylnaphthalene
Concen: 3.43 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:142 Resp: 77568

Ion	Ratio	Lower	Upper
142	100		
141	94.3	71.4	107.0
115	40.6	30.3	45.5



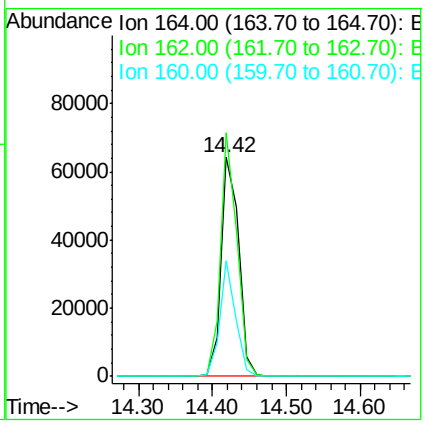


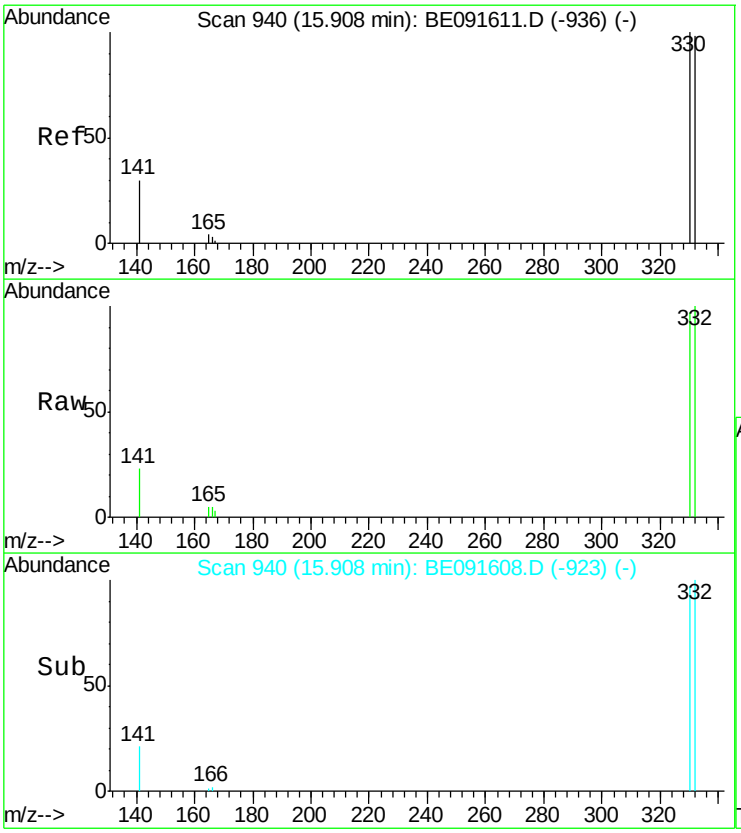
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 106325

Ion	Ratio	Lower	Upper
164	100		
162	111.3	85.3	127.9
160	52.7	46.2	69.2

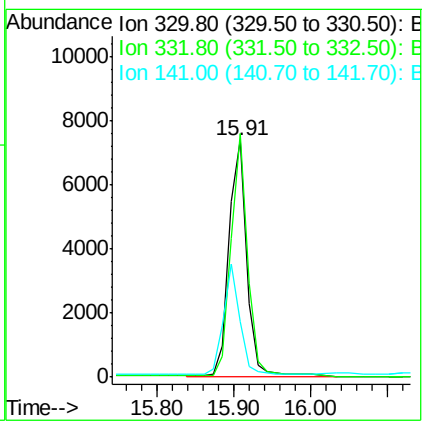


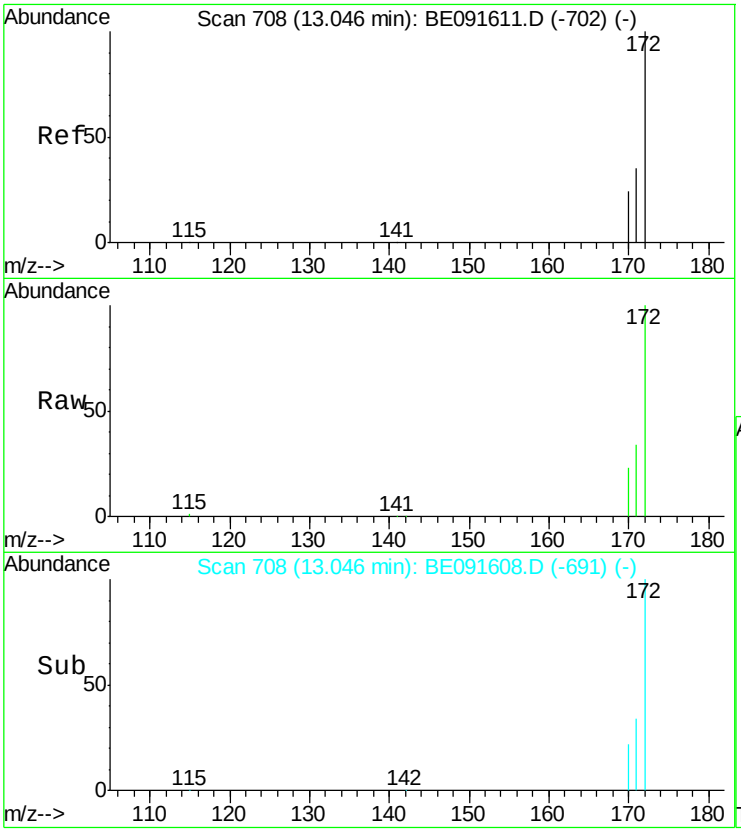


#14
2,4,6-Tribromophenol
Concen: 4.01 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:330 Resp: 13456

Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.1	118.7
141	37.3	125.4	188.0#



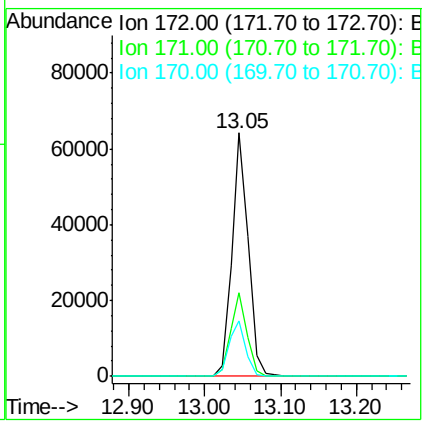


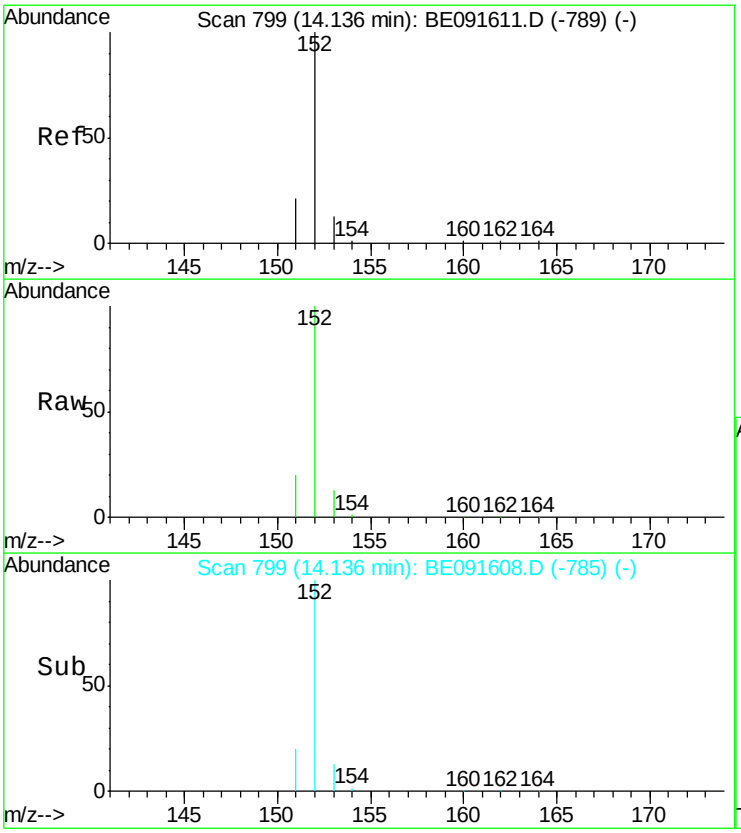
#15
2-Fluorobiphenyl
Concen: 3.38 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 97497

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.8	43.2
170	22.6	19.3	28.9

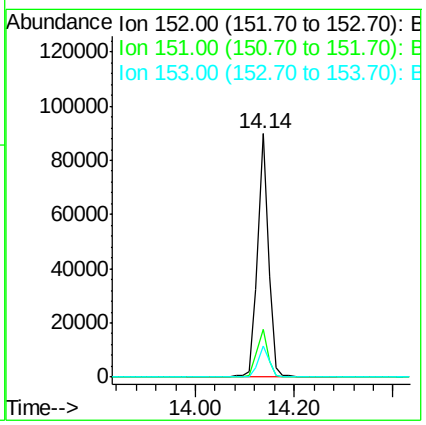


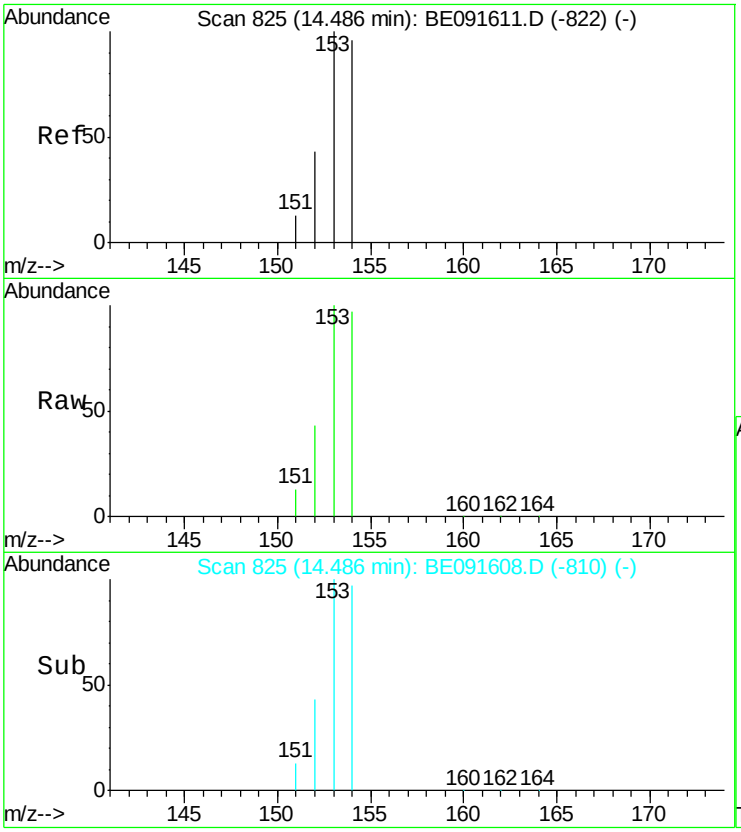


#16
Acenaphthylene
Concen: 0.82 ng
RT: 14.14 min Scan# 799
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:152 Resp: 145876

Ion	Ratio	Lower	Upper
152	100		
151	18.3	3.9	5.9#
153	13.7	10.3	15.5



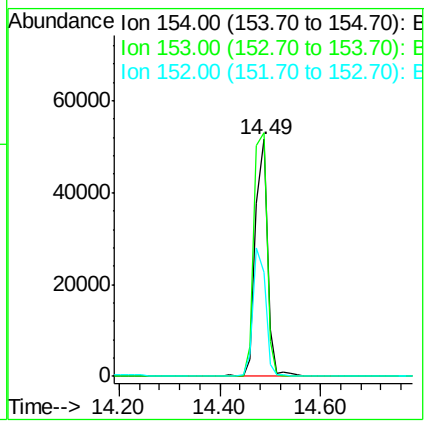


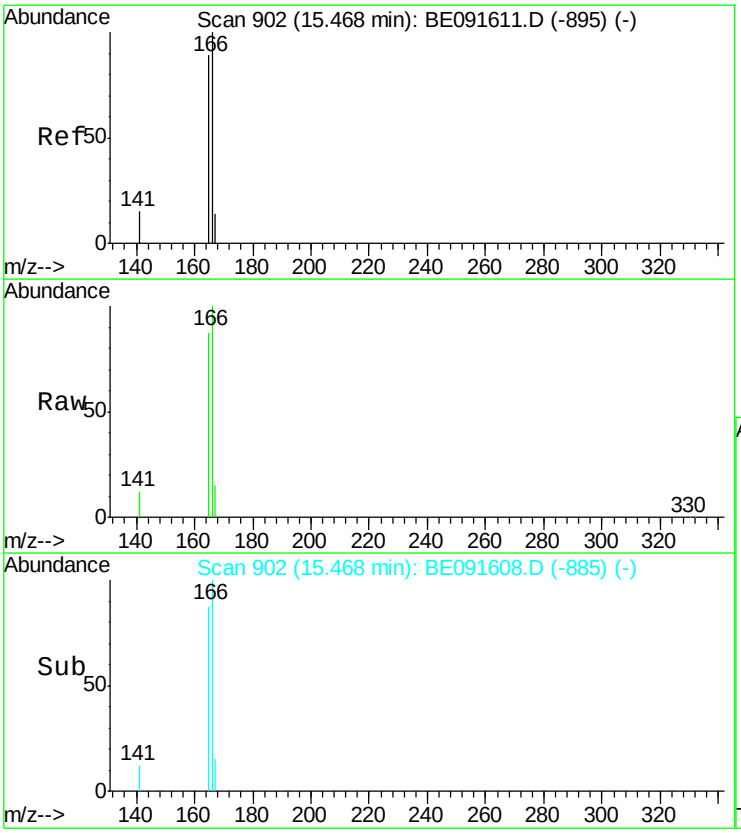
#17
Acenaphthene
Concen: 3.04 ng
RT: 14.49 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 86286

Ion	Ratio	Lower	Upper
154	100		
153	111.0	80.0	120.0
152	54.8	40.0	60.0

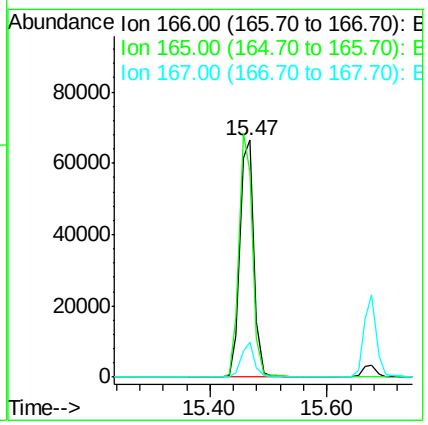


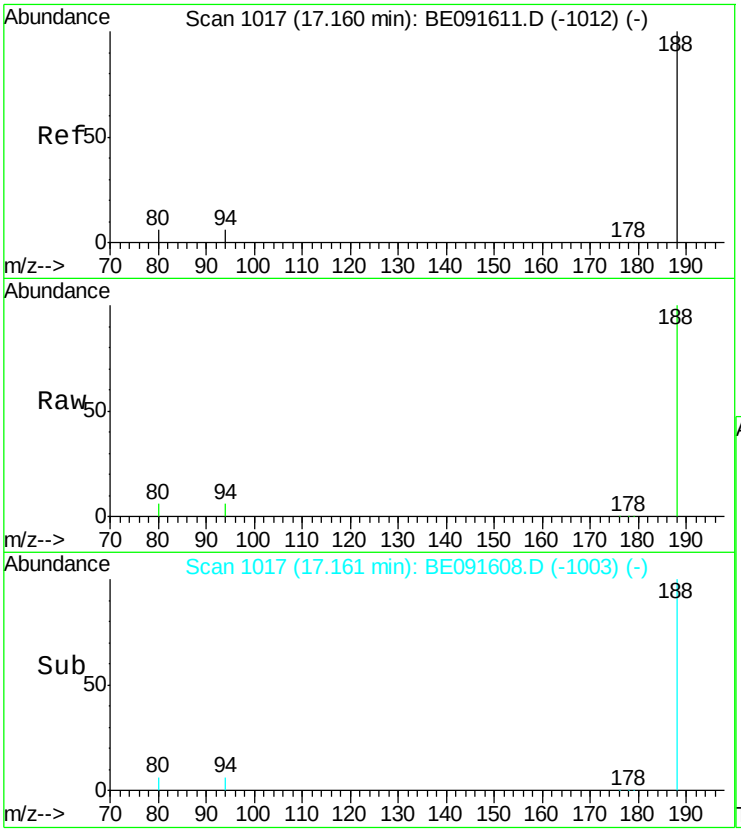


#18
Fluorene
Concen: 3.13 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:166 Resp: 109847

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



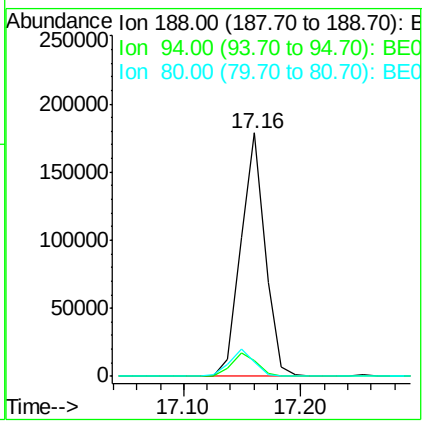


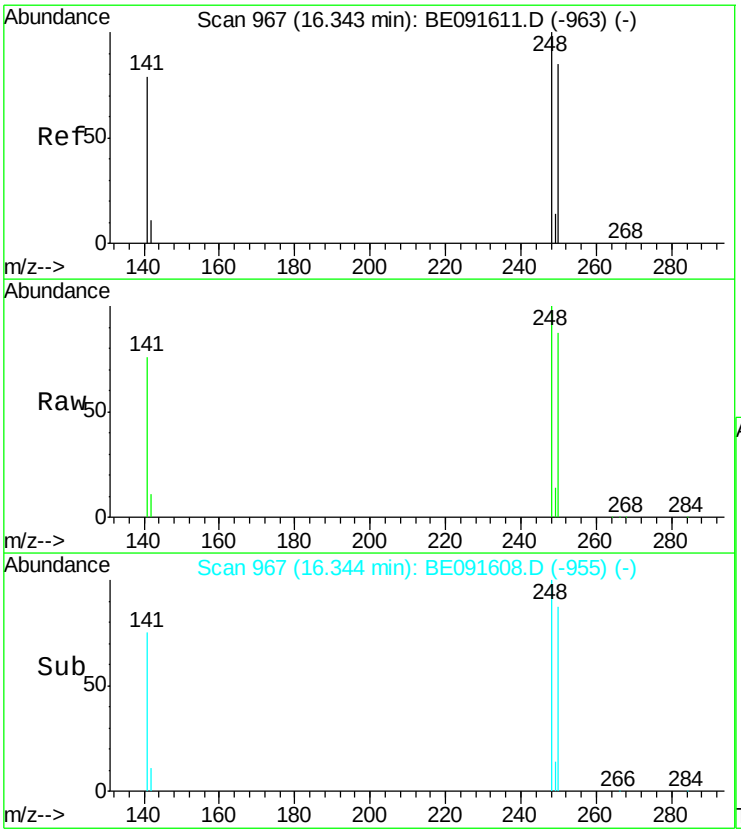
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 257970

Ion	Ratio	Lower	Upper
188	100		
94	6.5	8.7	13.1#
80	5.7	9.4	14.0#

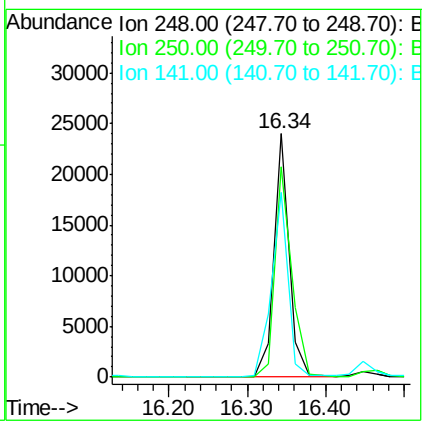


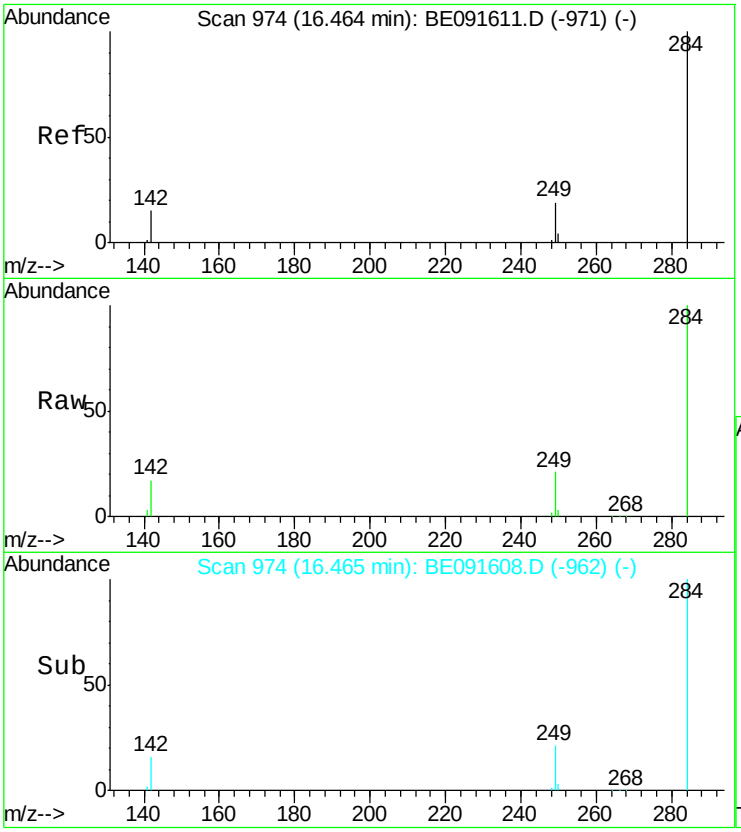


#20
4-Bromophenyl-phenylether
Concen: 3.30 ng
RT: 16.34 min Scan# 967
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:248 Resp: 32134

Ion	Ratio	Lower	Upper
248	100		
250	94.2	80.5	120.7
141	82.8	72.0	108.0



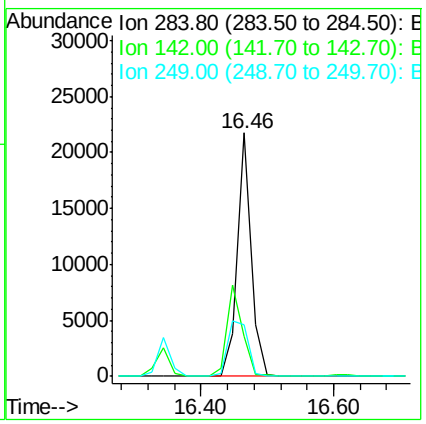


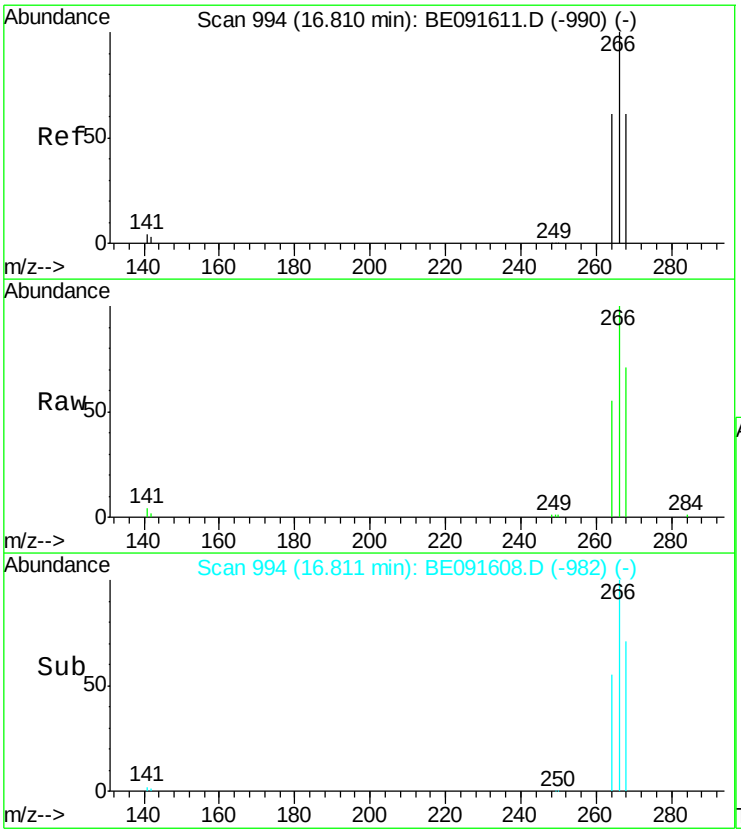
#21
Hexachlorobenzene
Concen: 0.63 ng
RT: 16.46 min Scan# 974
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 31344

Ion	Ratio	Lower	Upper
284	100		
142	41.0	32.2	48.2
249	32.4	25.4	38.2

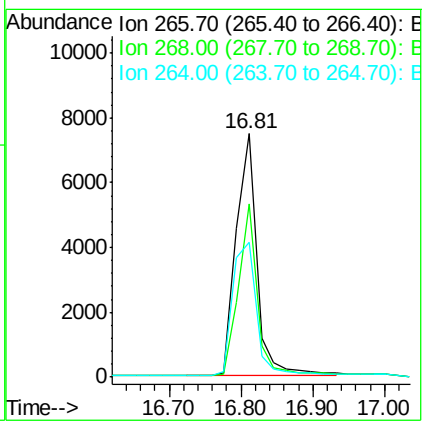


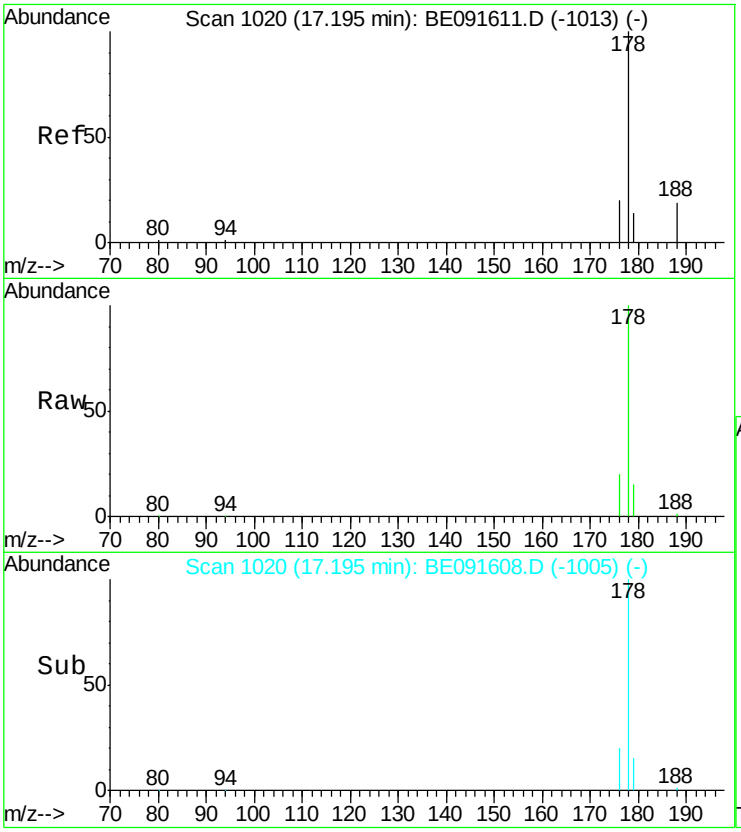


#22
Pentachlorophenol
Concen: 4.08 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:266 Resp: 14790

Ion	Ratio	Lower	Upper
266	100		
268	71.3	58.2	87.2
264	55.2	56.2	84.4#



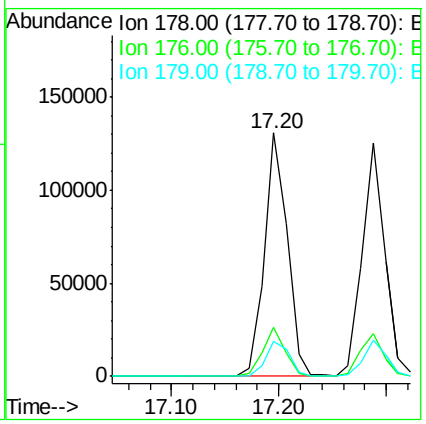


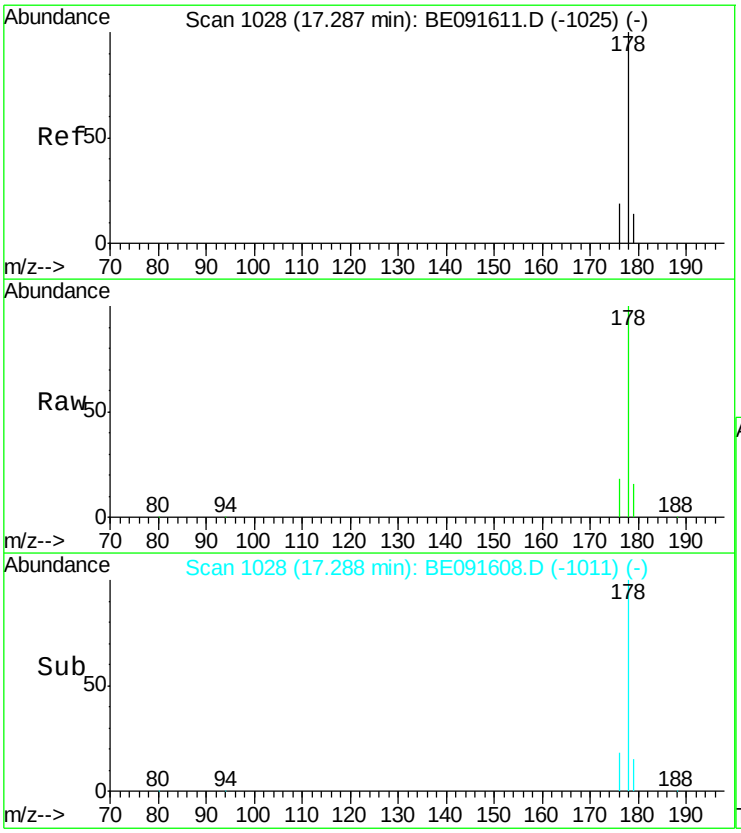
#23
Phenanthrene
Concen: 2.96 ng
RT: 17.20 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 193461

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.4	12.6	18.8

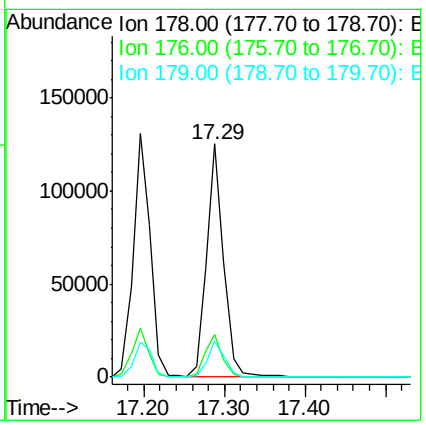


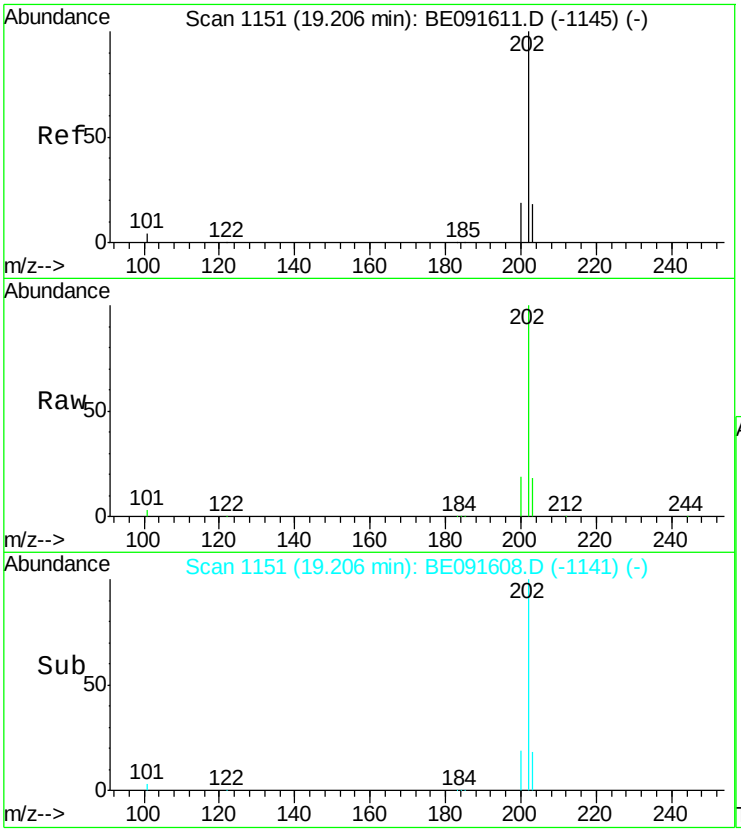


#24
Anthracene
Concen: 3.15 ng
RT: 17.29 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:178 Resp: 184037

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	15.5	11.8	17.6



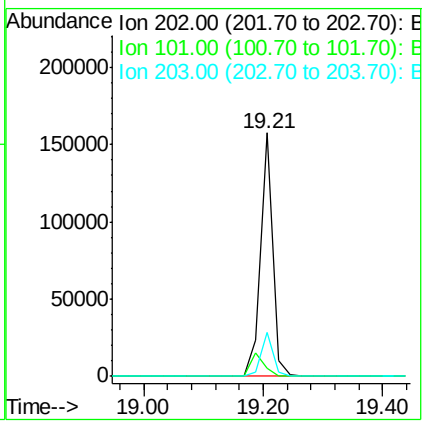


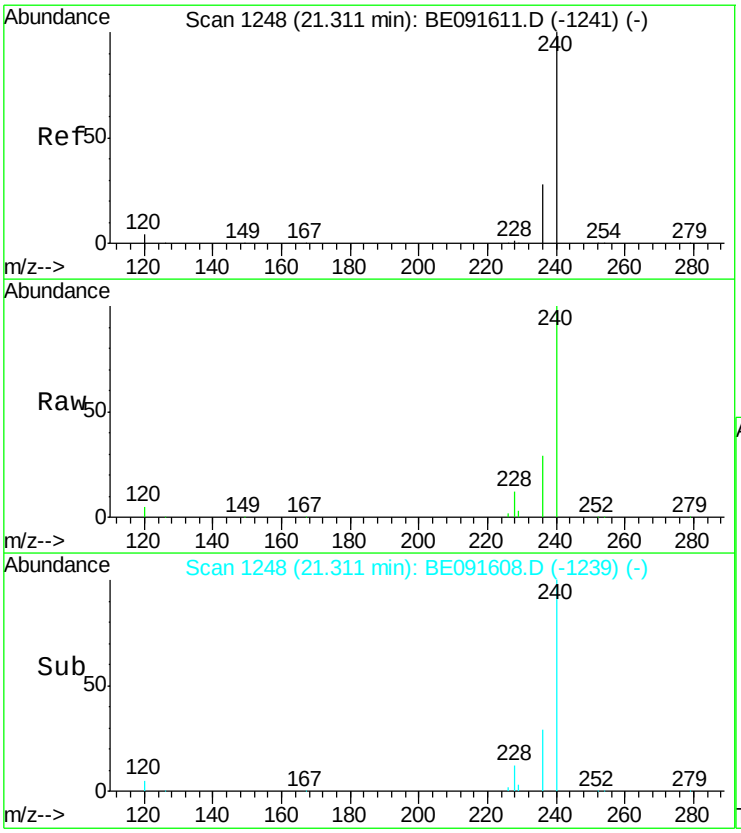
#25
Fluoranthene
Concen: 2.88 ng
RT: 19.21 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 223112

Ion	Ratio	Lower	Upper
202	100		
101	10.9	11.0	16.6#
203	17.7	13.9	20.9

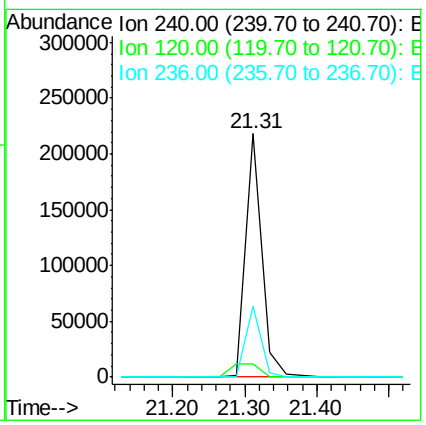


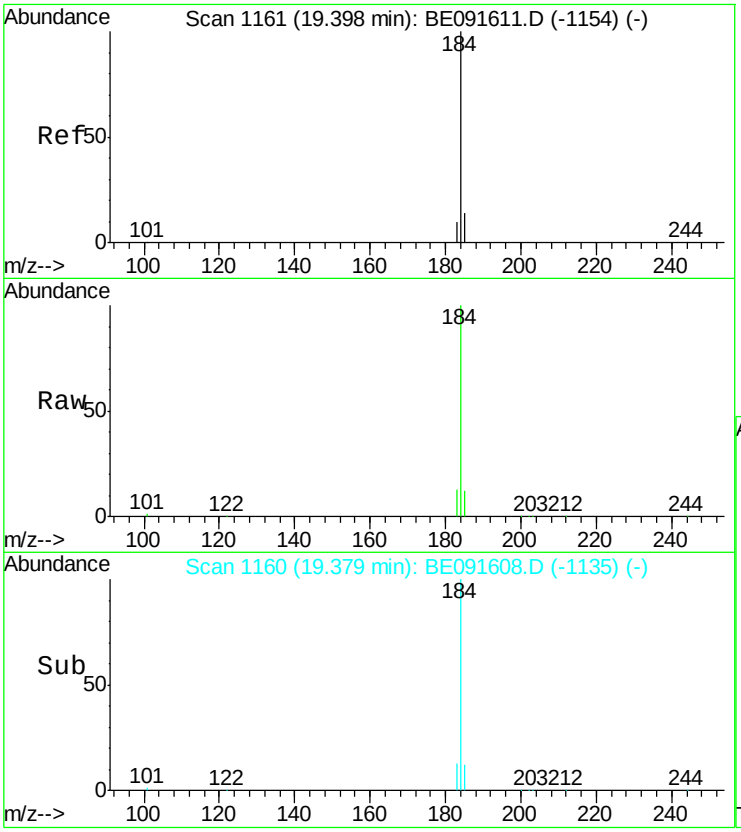


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:240 Resp: 339631

Ion	Ratio	Lower	Upper
240	100		
120	5.3	11.0	16.4#
236	29.1	21.7	32.5



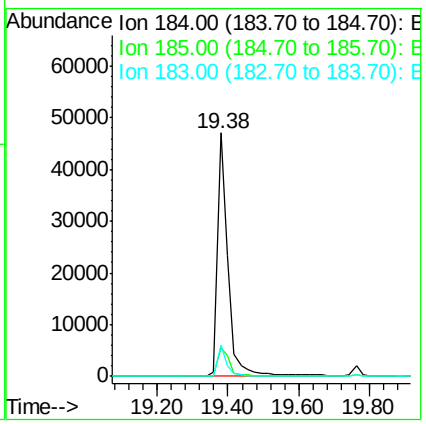


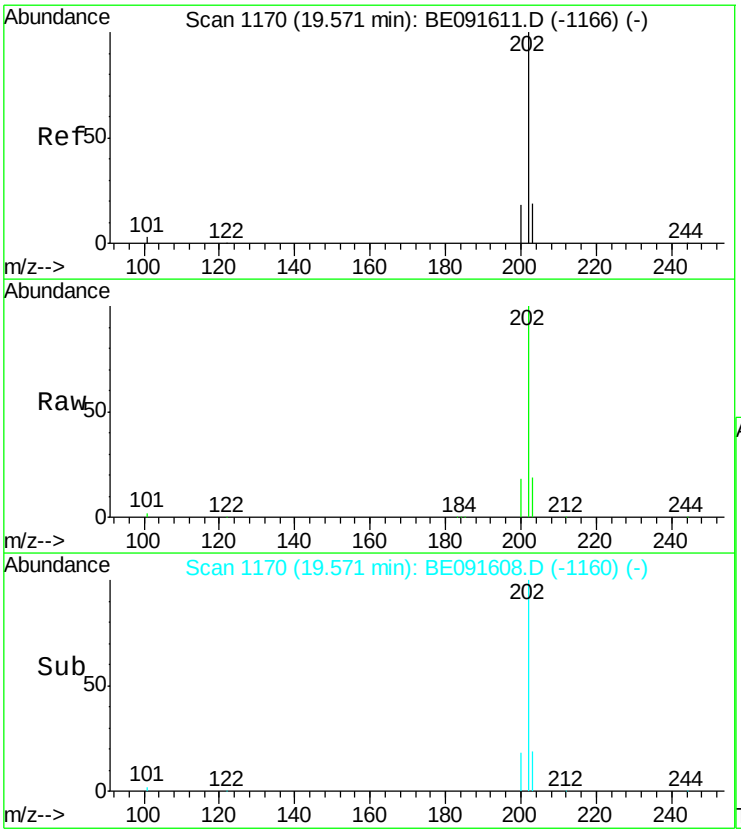
#27
Benzidine
Concen: 15.49 ng
RT: 19.38 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:184 Resp: 94911

Ion	Ratio	Lower	Upper
184	100		
185	11.6	22.3	33.5#
183	12.7	16.4	24.6#

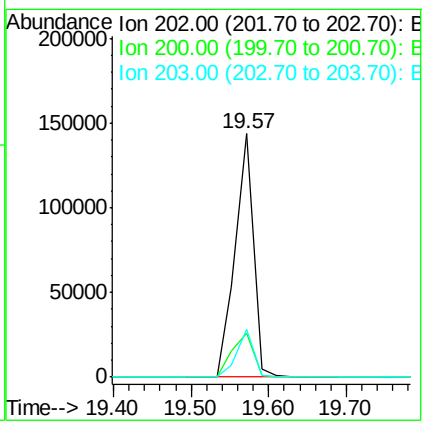


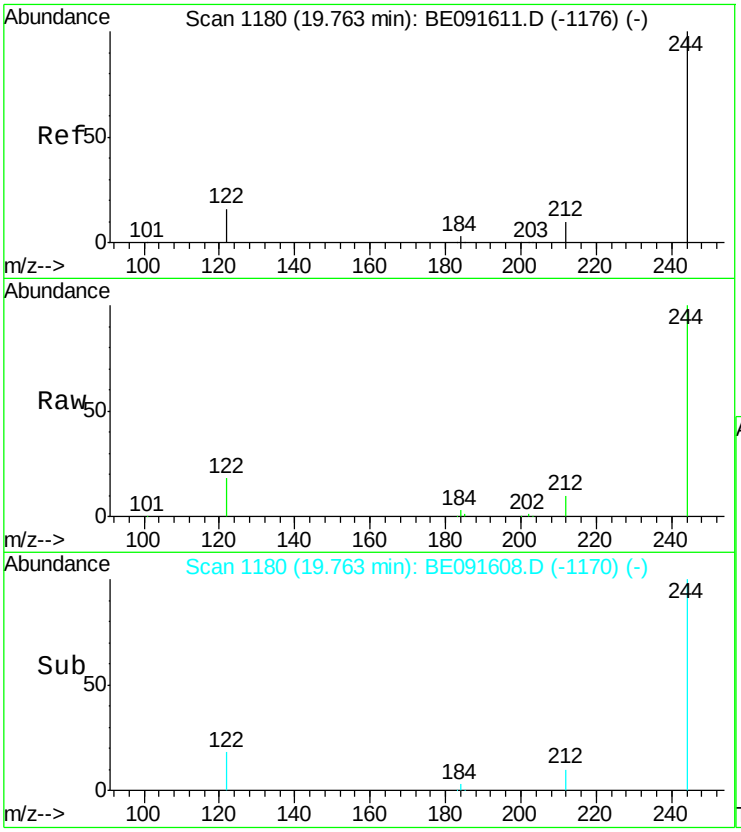


#28
Pyrene
Concen: 2.71 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:202 Resp: 235221

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	14.0	21.0



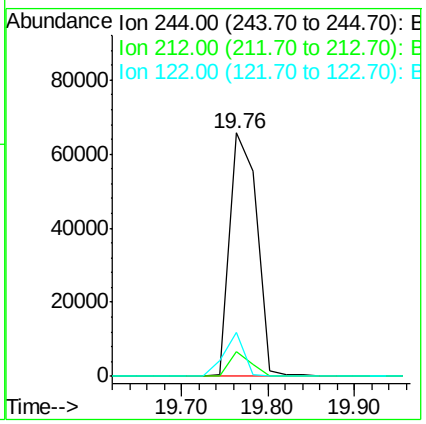


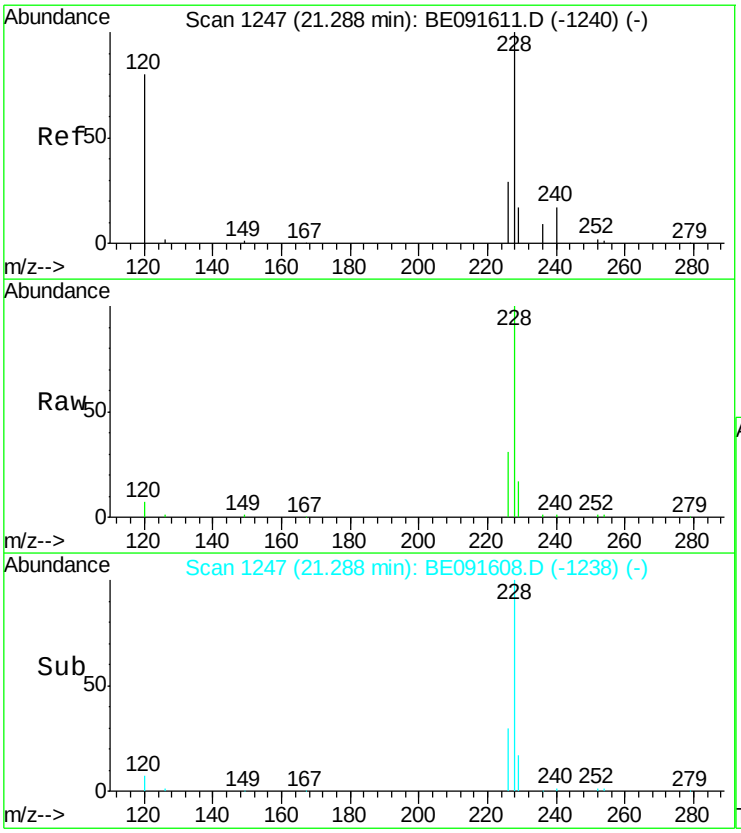
#29
Terphenyl-d14
Concen: 3.33 ng
RT: 19.76 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 142581

Ion	Ratio	Lower	Upper
244	100		
212	10.1	6.9	10.3
122	18.1	11.0	16.4#

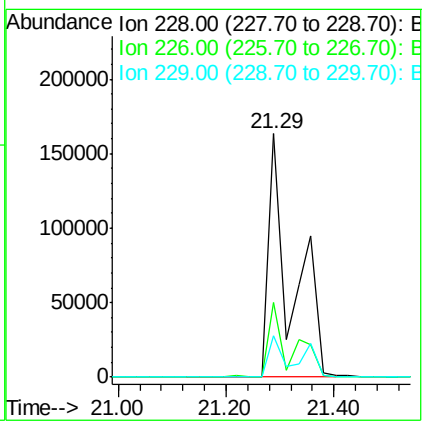


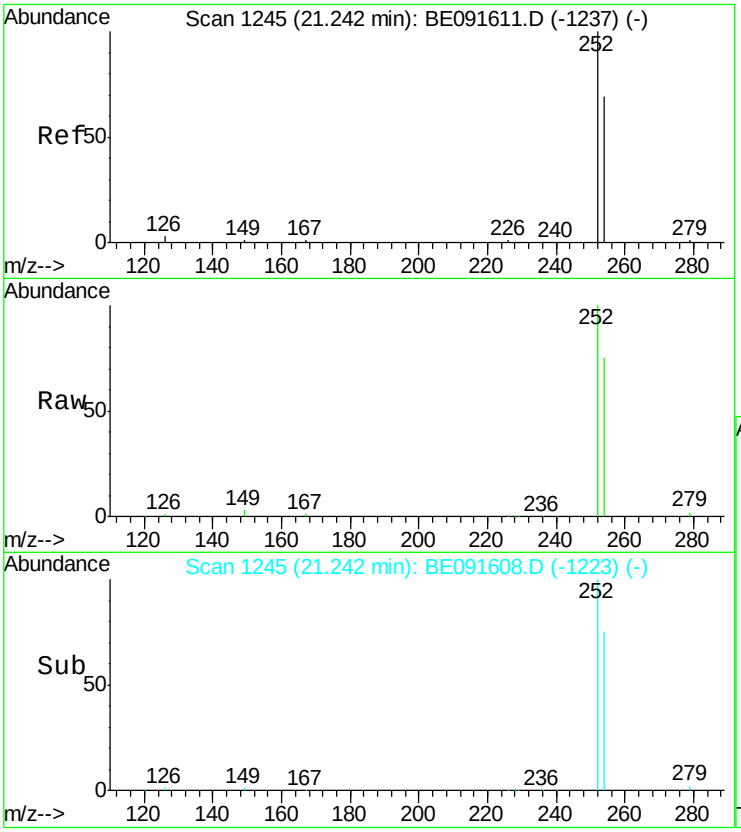


#30
Benzo(a)anthracene
Concen: 6.08 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:228 Resp: 485432

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.0	31.4
229	17.0	15.7	23.5



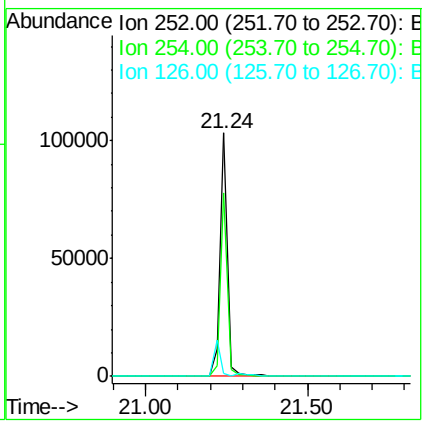


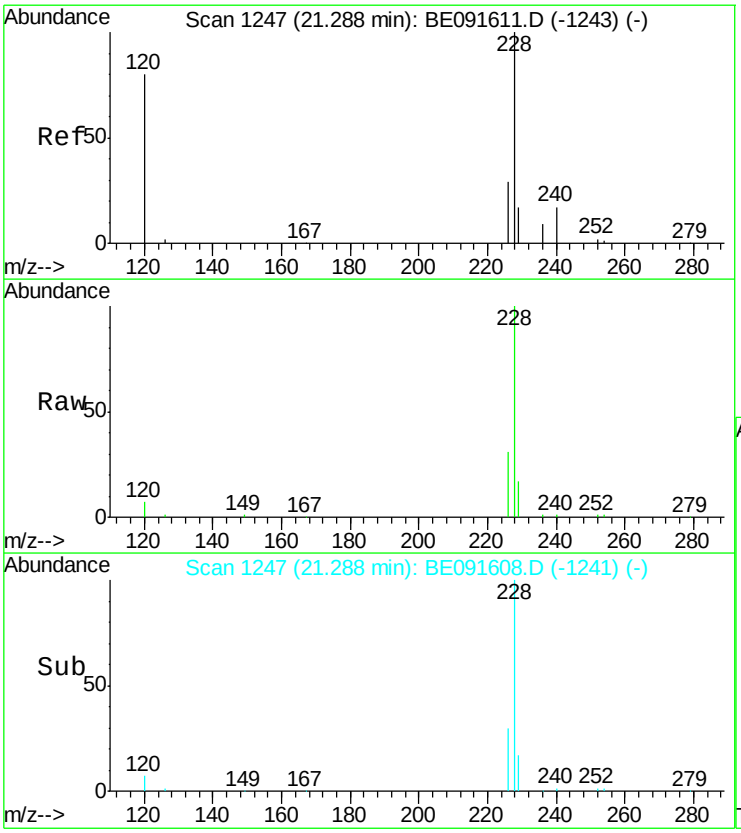
#31
3,3'-Dichlorobenzidine
Concen: 12.43 ng
RT: 21.24 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 169720

Ion	Ratio	Lower	Upper
252	100		
254	75.1	51.1	76.7
126	1.1	12.6	18.8#

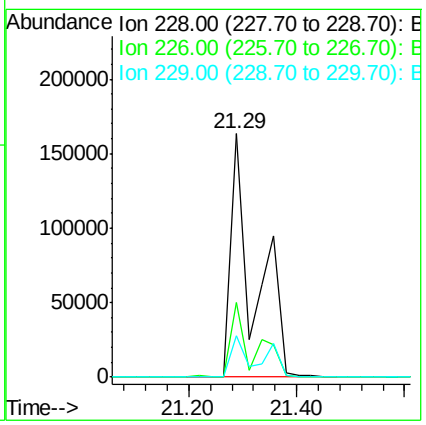


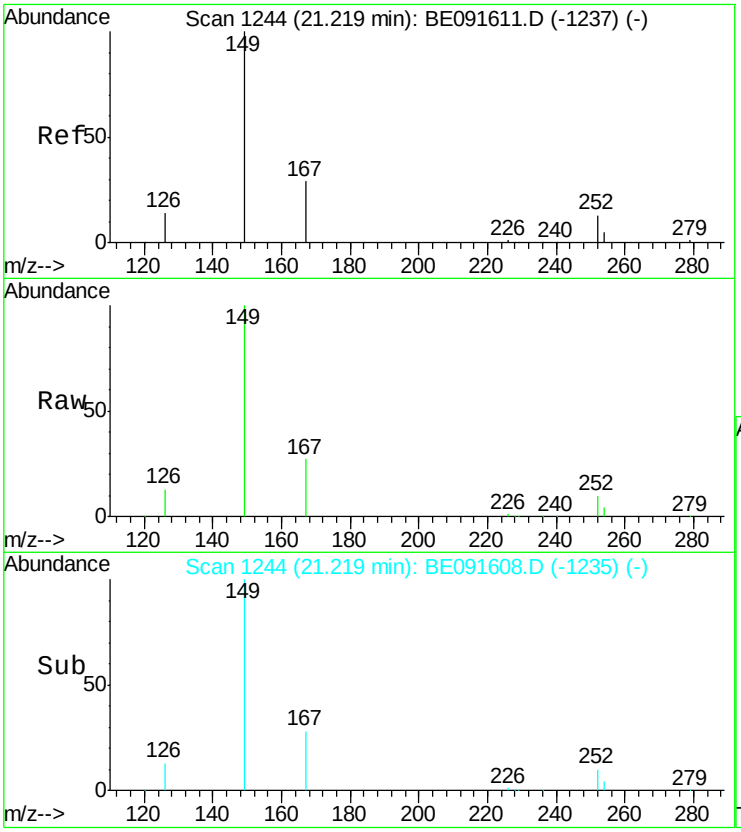


#32
Chrysene
Concen: 4.77 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.07 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:228 Resp: 487993

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	17.0	15.9	23.9



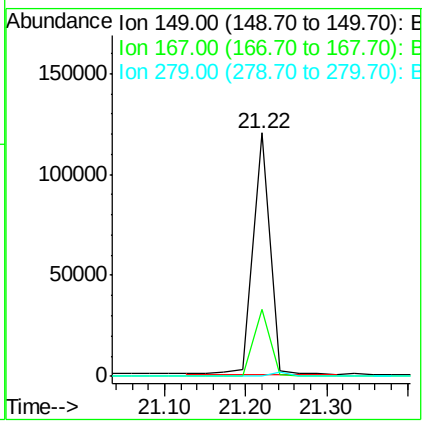


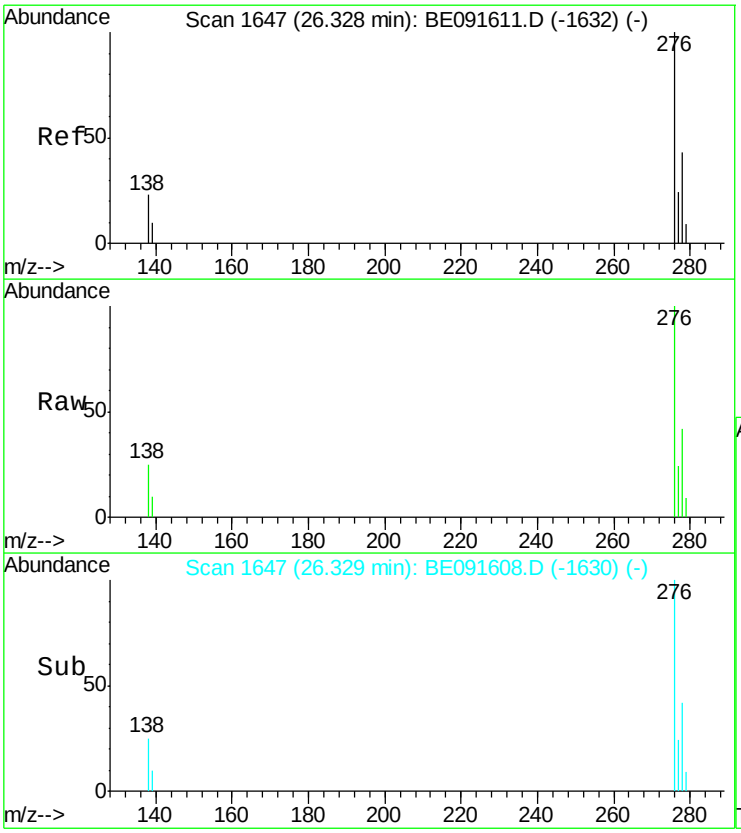
#33
Bis(2-ethylhexyl)phthalate
Concen: 5.48 ng
RT: 21.22 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:149 Resp: 174484

Ion	Ratio	Lower	Upper
149	100		
167	27.0	19.5	29.3
279	0.0	10.0	15.0#

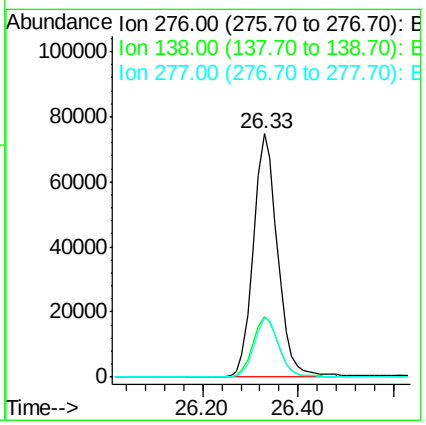


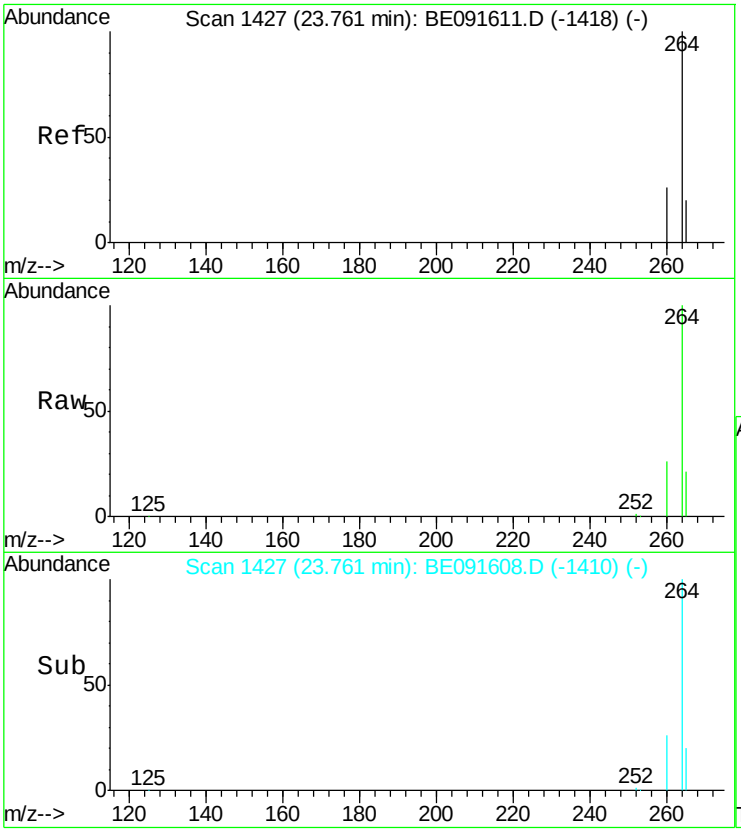


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.19 ng
RT: 26.33 min Scan# 1647
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:276 Resp: 262452

Ion	Ratio	Lower	Upper
276	100		
138	26.0	23.4	35.2
277	24.9	19.8	29.8



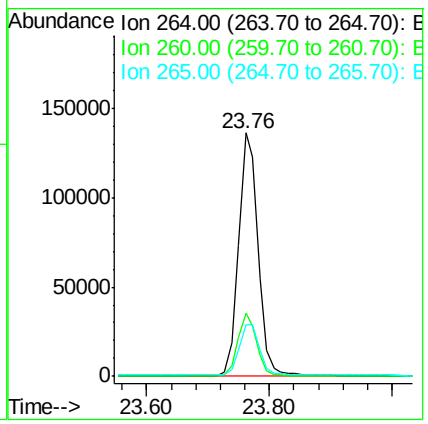


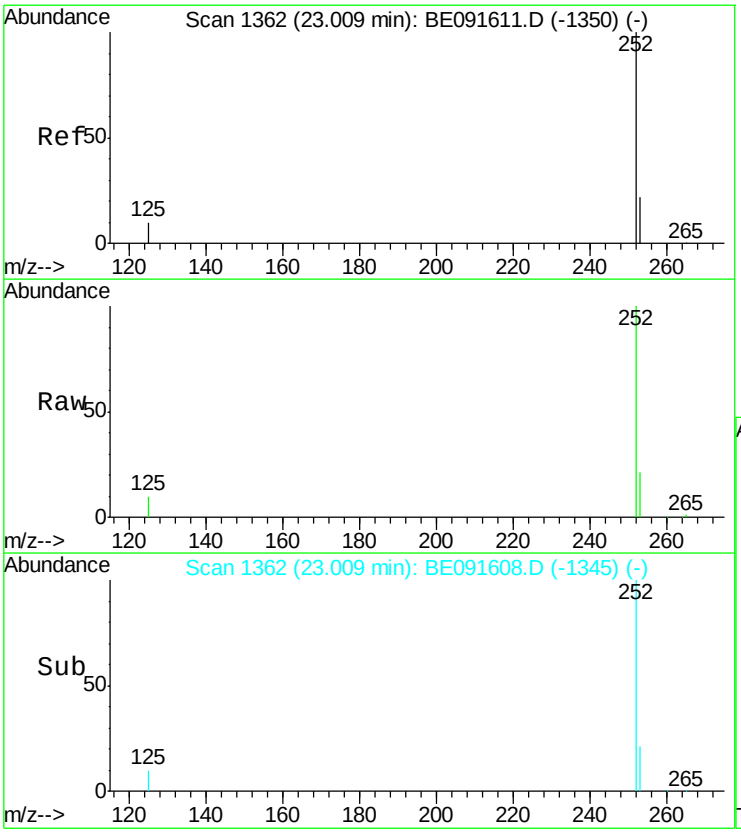
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 303413

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.0	30.0
265	21.0	17.5	26.3

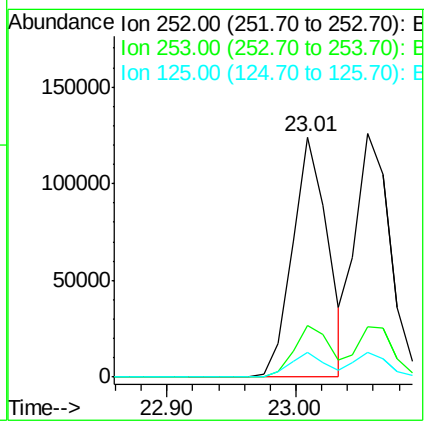


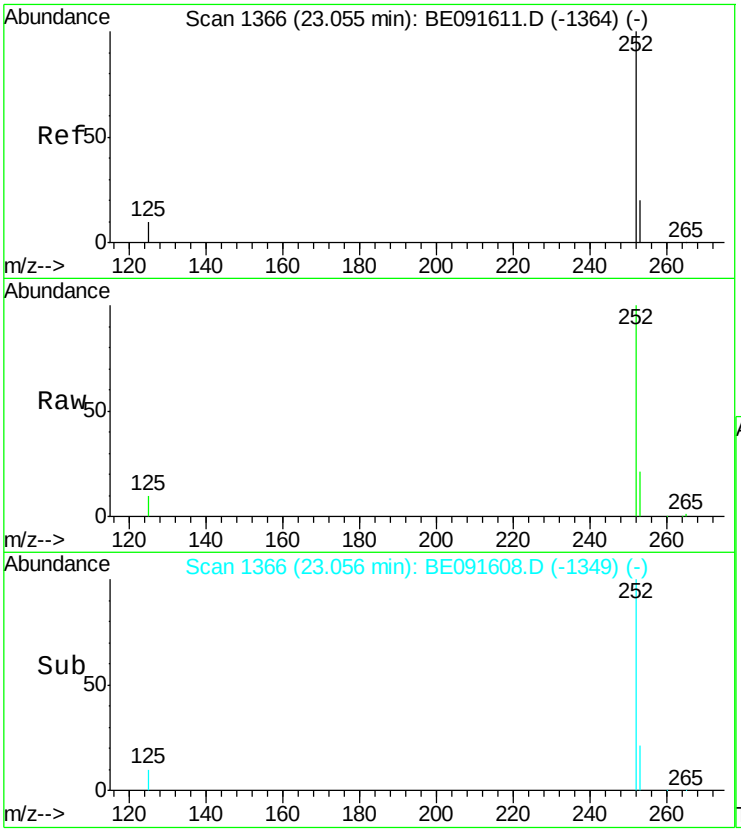


#36
Benzo(b)fluoranthene
Concen: 3.50 ng
RT: 23.01 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:252 Resp: 234405

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	10.2	10.2	15.2



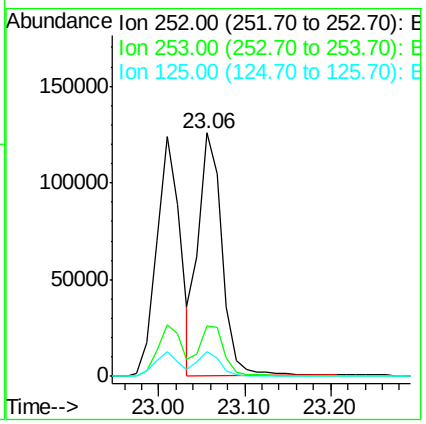


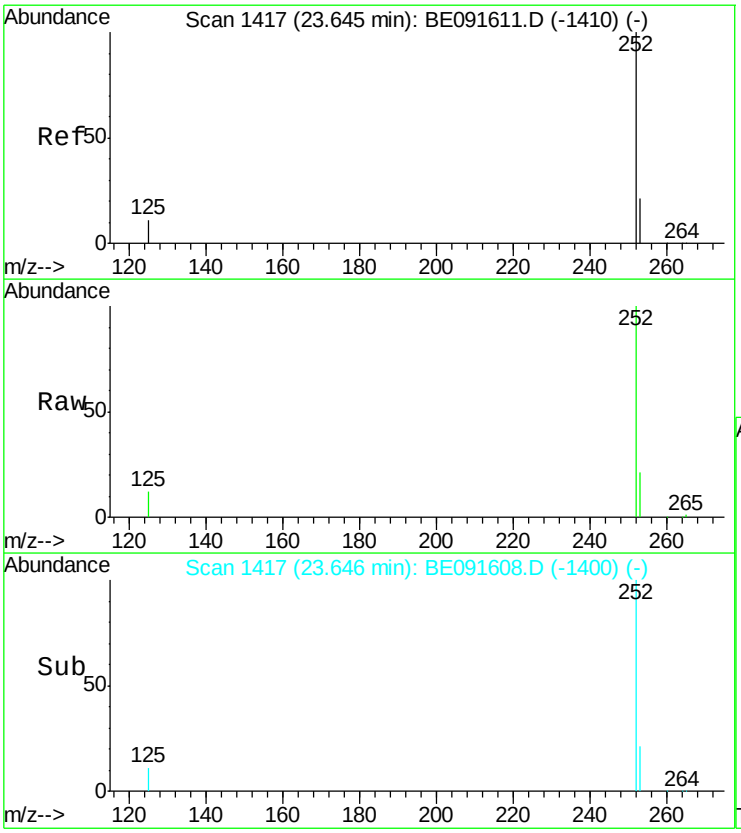
#37
Benzo(k)fluoranthene
Concen: 2.59 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 238576

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.6	26.4
125	10.4	9.9	14.9

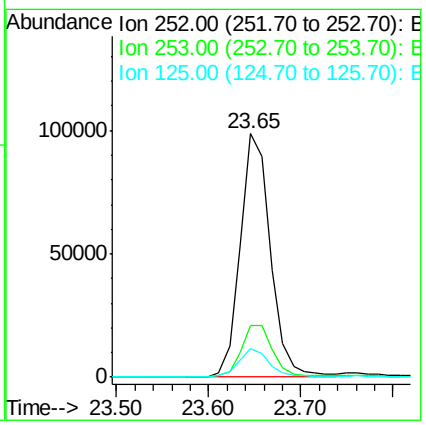


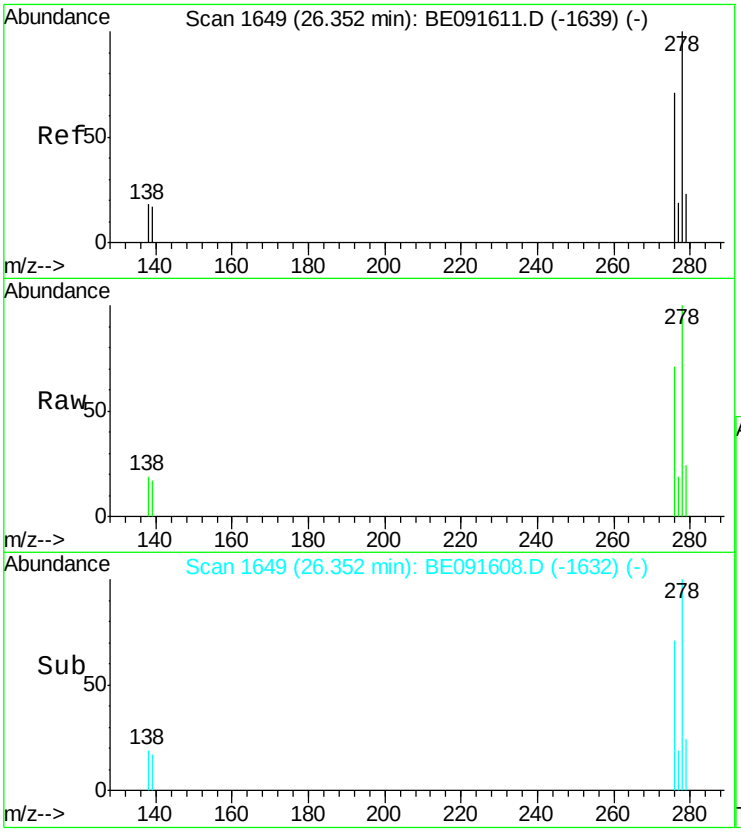


#38
Benzo(a)pyrene
Concen: 3.60 ng
RT: 23.65 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:252 Resp: 223211

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	11.7	11.0	16.4



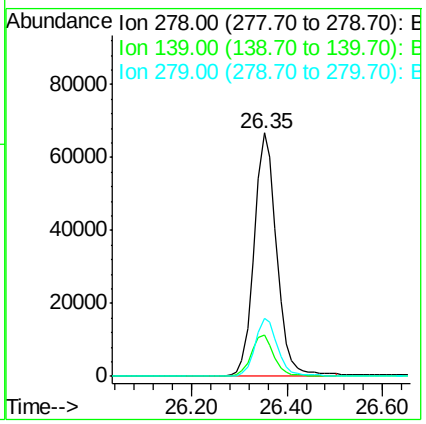


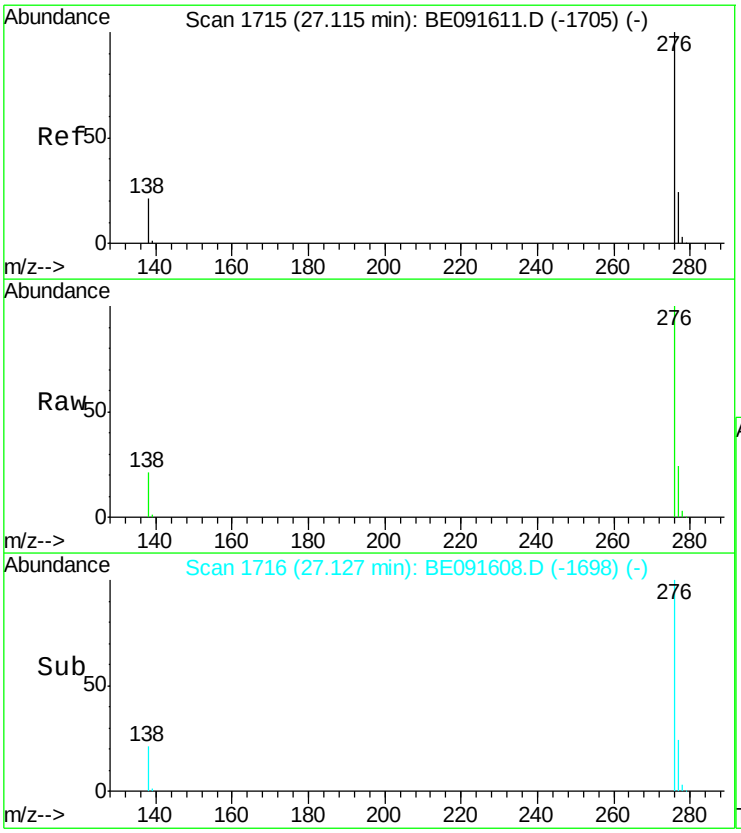
#39
Dibenzo(a,h)anthracene
Concen: 3.55 ng
RT: 26.35 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:278 Resp: 217443

Ion	Ratio	Lower	Upper
278	100		
139	16.8	16.0	24.0
279	23.8	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 3.32 ng
RT: 27.13 min Scan# 1716
Delta R.T. 0.01 min
Lab File: BE091608.D
Acq: 8 Apr 2016 12:26

Tgt Ion:276 Resp: 221118

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	21.2	20.4	30.6