Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042916\
Data File : BE091732.D
Acq On : 29 Apr 2016 12:57
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 29 23:05:36 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	35708	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	167099	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	95879	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	245569	5.00	ng		0.00
26) Chrysene-d12	21.31	240	269823	5.00	ng		0.00
35) Perylene-d12	23.75	264	280827	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3142	0.36	ng		0.00
5) Phenol-d6	6.97	99	3961	0.34	ng		0.02
8) Nitrobenzene-d5	8.96	82	3609	0.33	ng		0.01
14) 2,4,6-Tribromophenol	15.90	330	893	0.41	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	10890	0.40	ng		0.00
29) Terphenyl-d14	19.76	244	16847	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	1892	0.36	ng		93
3) n-Nitrosodimethylamine	3.65	42	2255	0.35	ng		93
6) bis(2-Chloroethyl)ether	7.21	93	3948	0.39	ng	#	79
9) Nitrobenzene	8.99	77	3684	0.33	ng		96
10) Naphthalene	10.61	128	13509	0.40	ng		98
11) Hexachlorobutadiene	10.92	225	2575	0.52	ng		89
12) 2-Methylnaphthalene	12.24	142	8284	0.38	ng		95
16) Acenaphthylene	14.12	152	14304	0.39	ng	#	75
17) Acenaphthene	14.47	154	9311	0.39	ng		85
18) Fluorene	15.46	166	11538	0.39	ng		99
20) 4-Bromophenyl-phenylether	16.32	248	3351	0.38	ng		96
21) Hexachlorobenzene	16.45	284	3554	0.40	ng		98
22) Pentachlorophenol	16.79	266	1141	0.33	ng		93
23) Phenanthrene	17.18	178	22970	0.41	ng		100
24) Anthracene	17.27	178	19091	0.38	ng		99
25) Fluoranthene	19.19	202	22703	0.39	ng		97
27) Benzidine	19.38	184	5959	0.43	ng	#	80
28) Pyrene	19.55	202	24777	0.41	ng		99
30) Benzo(a)anthracene	21.29	228	25688	0.39	ng	#	91
31) 3,3'-Dichlorobenzidine	21.22	252	12138	0.36	ng	#	86
32) Chrysene	21.29	228	25667	0.37	ng	#	87
33) Bis(2-ethylhexyl)phthalate	21.20	149	8057	0.40	ng	#	89
34) Indeno(1,2,3-cd)pyrene	26.29	276	27586	0.45	ng		97
36) Benzo(b)fluoranthene	23.00	252	27695	0.42	ng		95
37) Benzo(k)fluoranthene	23.04	252	23497	0.35	ng		96
38) Benzo(a)pyrene	23.63	252	23801	0.38	ng		96
39) Dibenzo(a,h)anthracene	26.32	278	22555	0.38	ng		98
40) Benzo(g,h,i)perylene	27.08	276	22538	0.38	ng		97

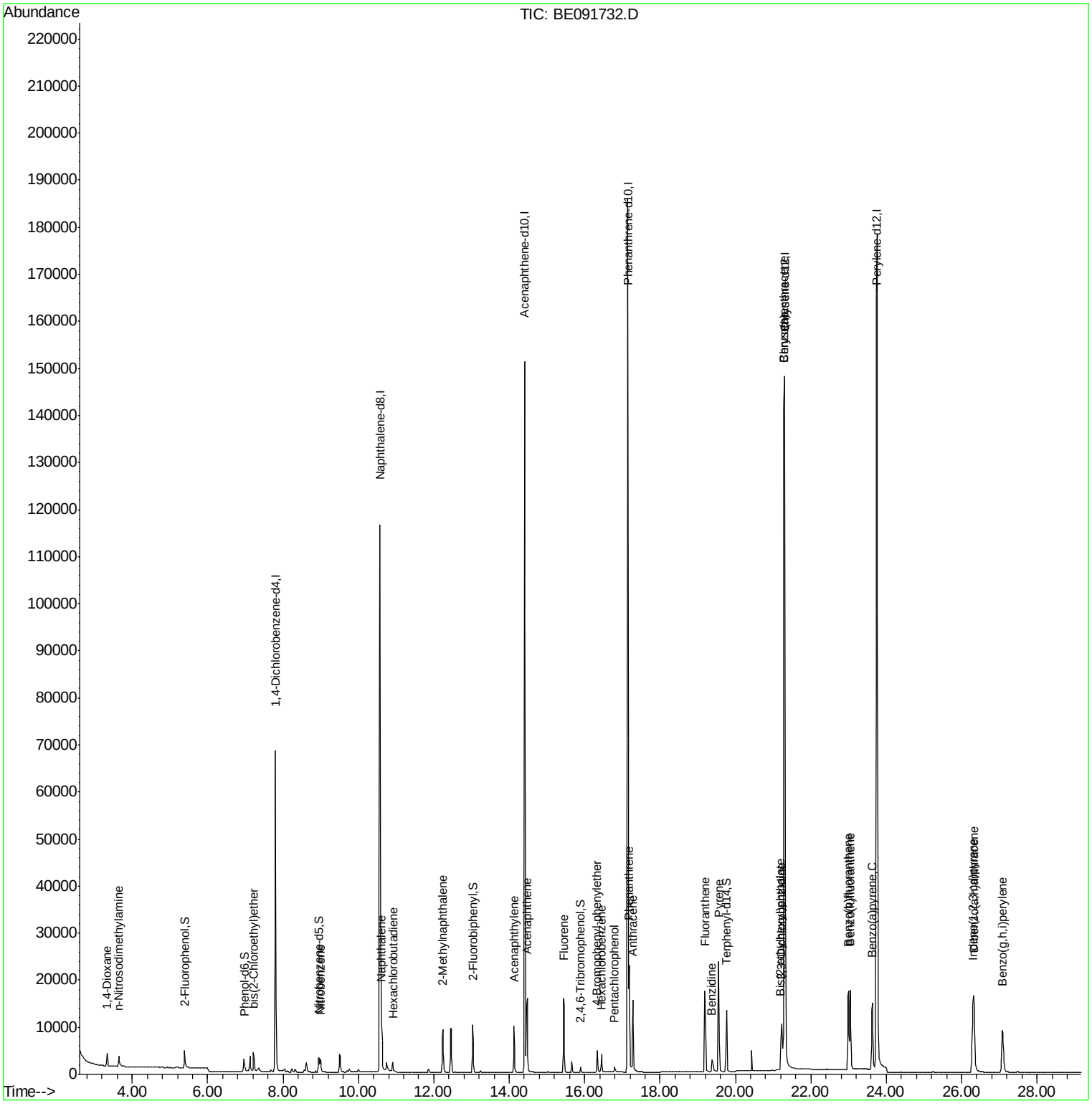
(#) = qualifier out of range (m) = manual integration (+) = signals summed

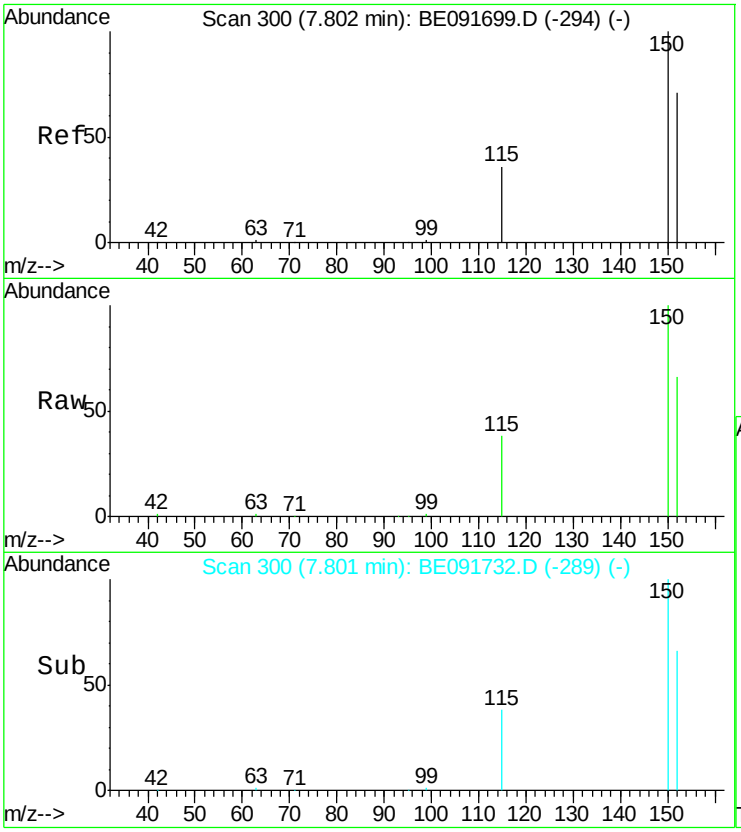
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042916\
Data File : BE091732.D
Acq On : 29 Apr 2016 12:57
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 29 23:05:36 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



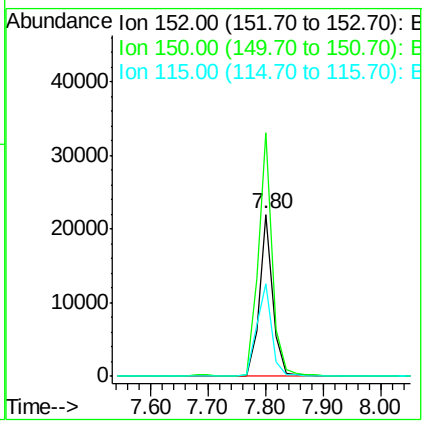


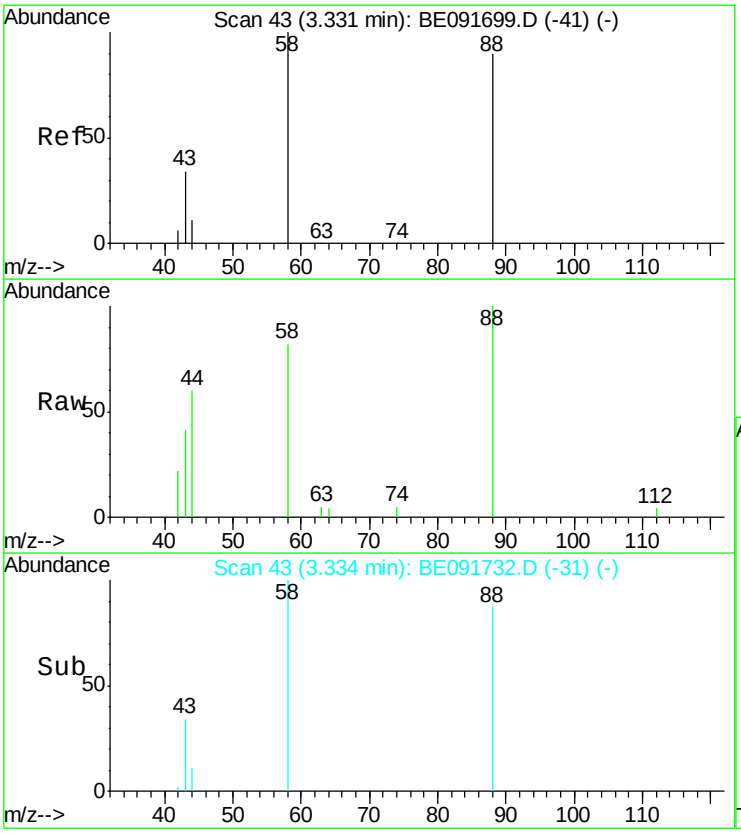
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 35708

Ion	Ratio	Lower	Upper
152	100		
150	150.6	122.6	183.8
115	57.0	52.8	79.2

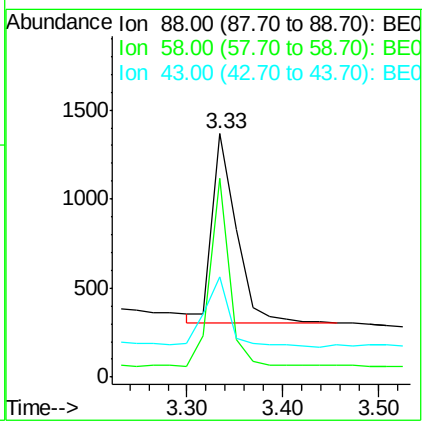


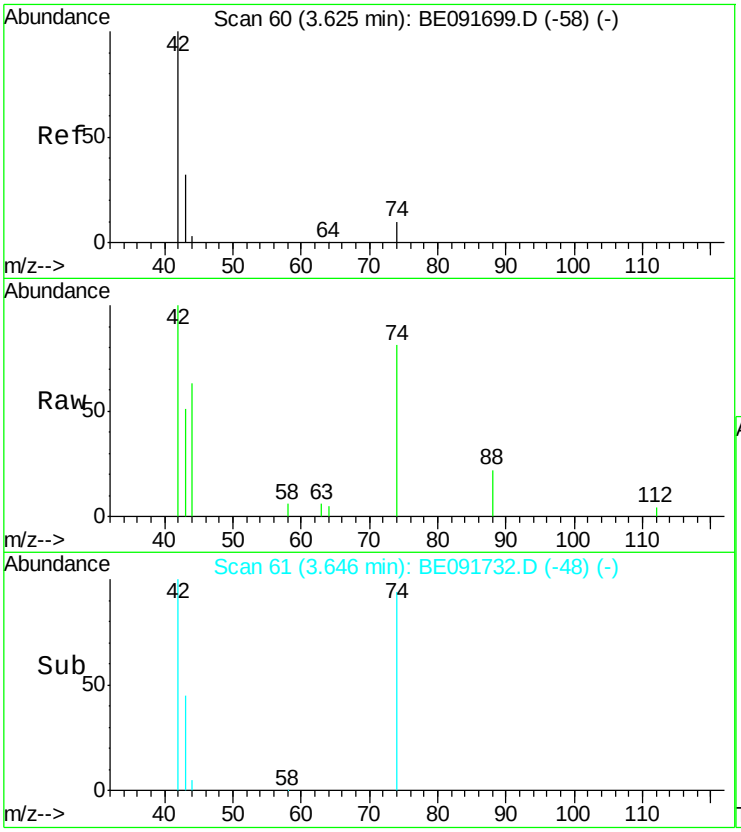


#2
1,4-Dioxane
Concen: 0.36 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion: 88 Resp: 1892

Ion	Ratio	Lower	Upper
88	100		
58	78.0	65.8	98.6
43	37.9	25.3	37.9



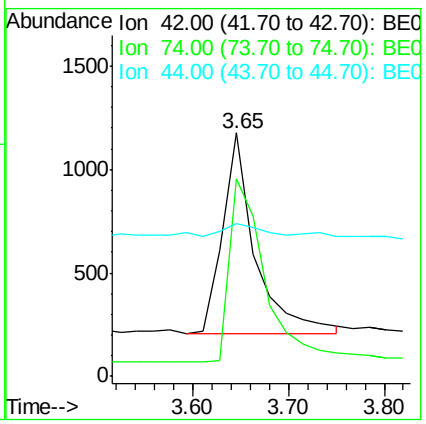


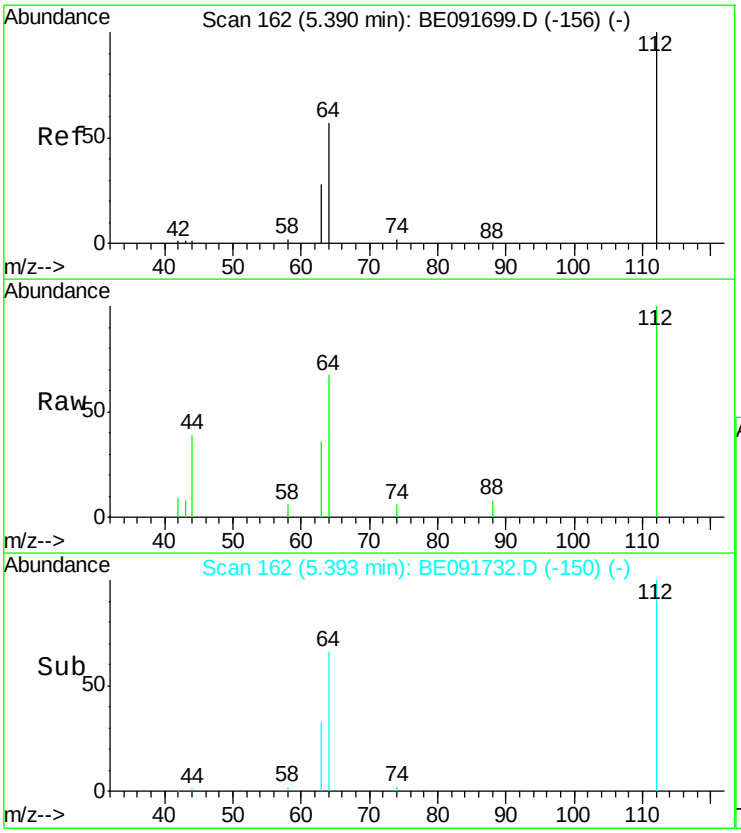
#3
n-Nitrosodimethylamine
Concen: 0.35 ng
RT: 3.65 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2255

Ion	Ratio	Lower	Upper
42	100		
74	101.8	87.9	131.9
44	9.4	6.6	9.8

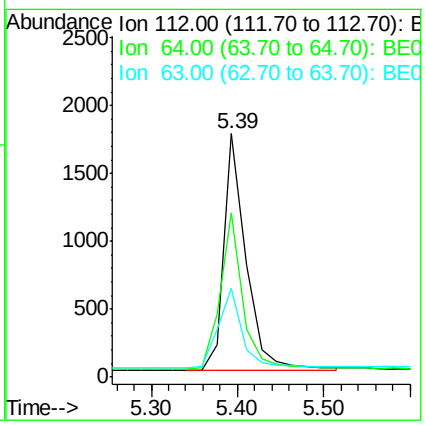


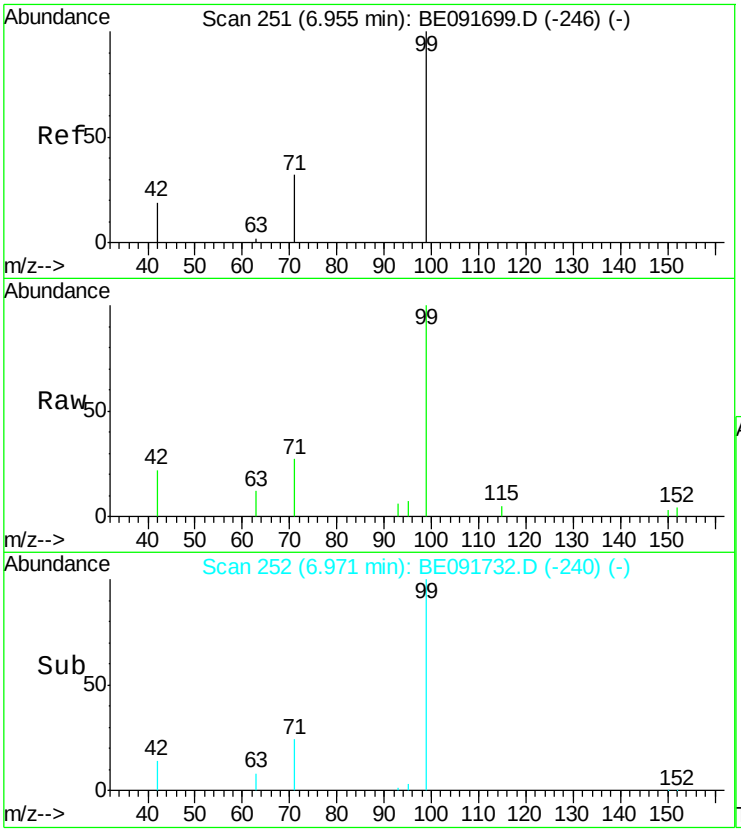


#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:112 Resp: 3142

Ion	Ratio	Lower	Upper
112	100		
64	67.4	30.9	46.3#
63	36.6	16.7	25.1#



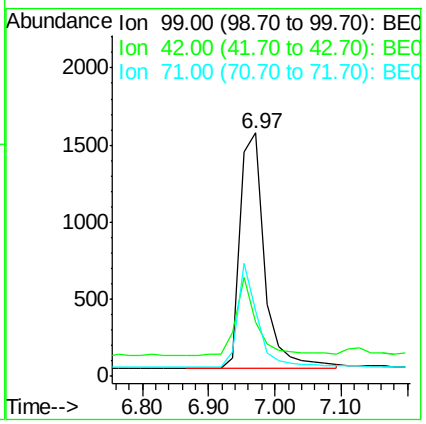


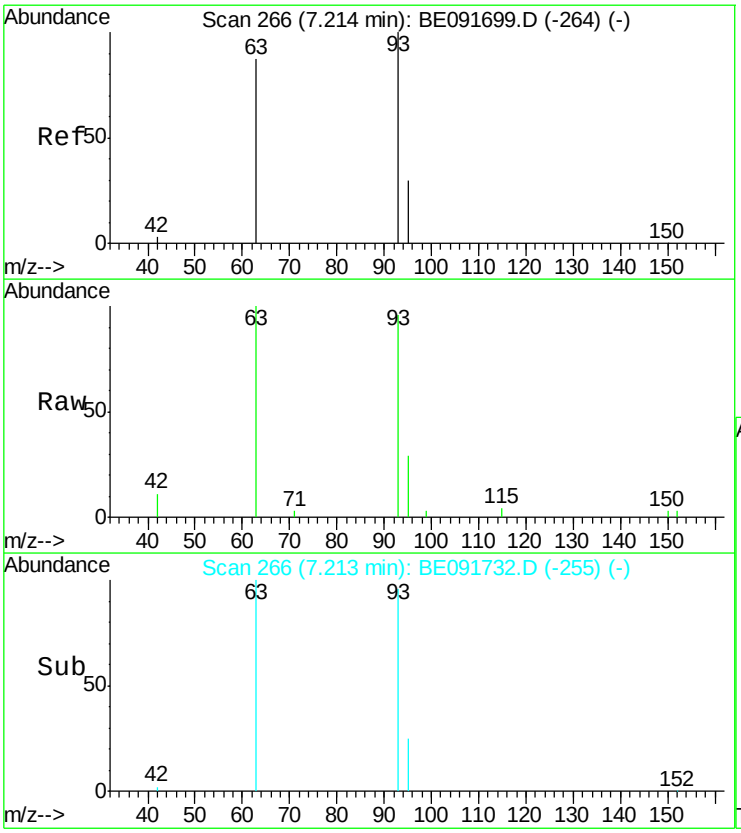
#5
Phenol-d6
Concen: 0.34 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.02 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3961

Ion	Ratio	Lower	Upper
99	100		
42	27.2	16.2	24.2#
71	35.8	29.0	43.4

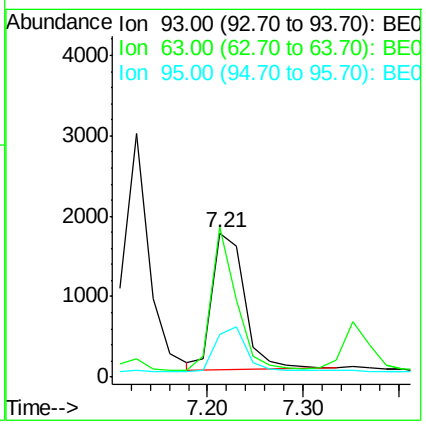


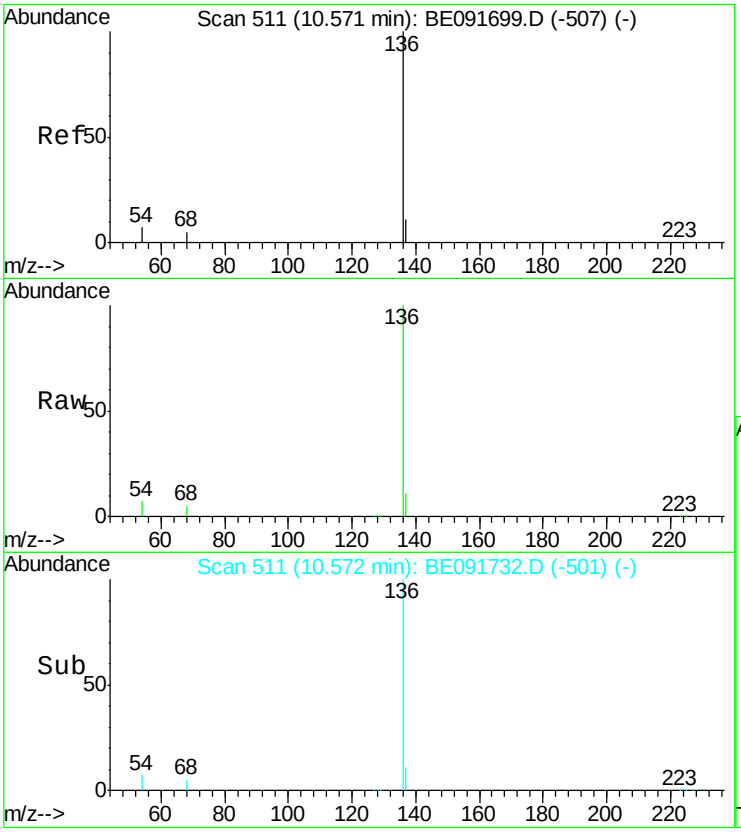


#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion: 93 Resp: 3948

Ion	Ratio	Lower	Upper
93	100		
63	82.9	49.5	74.3#
95	31.9	22.2	33.4



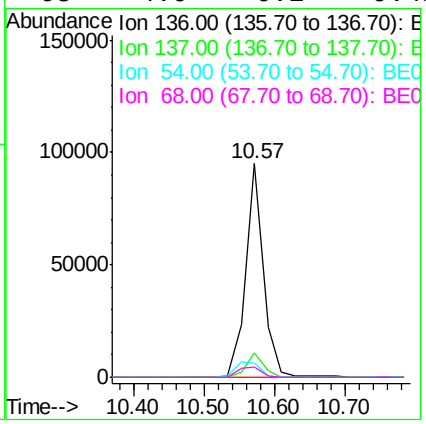


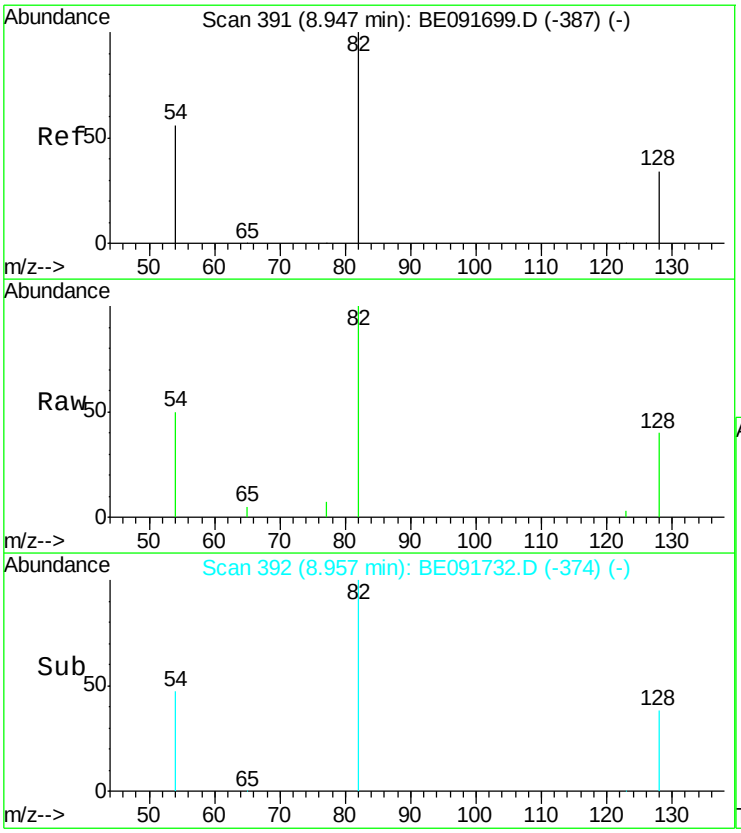
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 167099

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.6	8.2	12.4#
68	4.9	6.2	9.4#

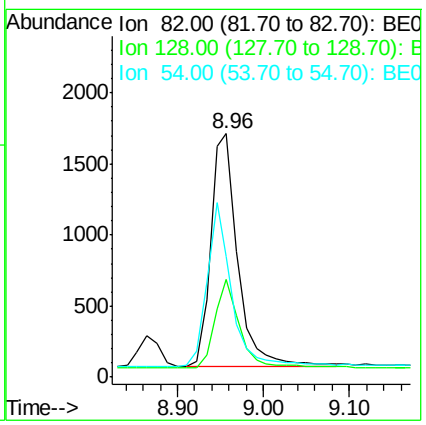


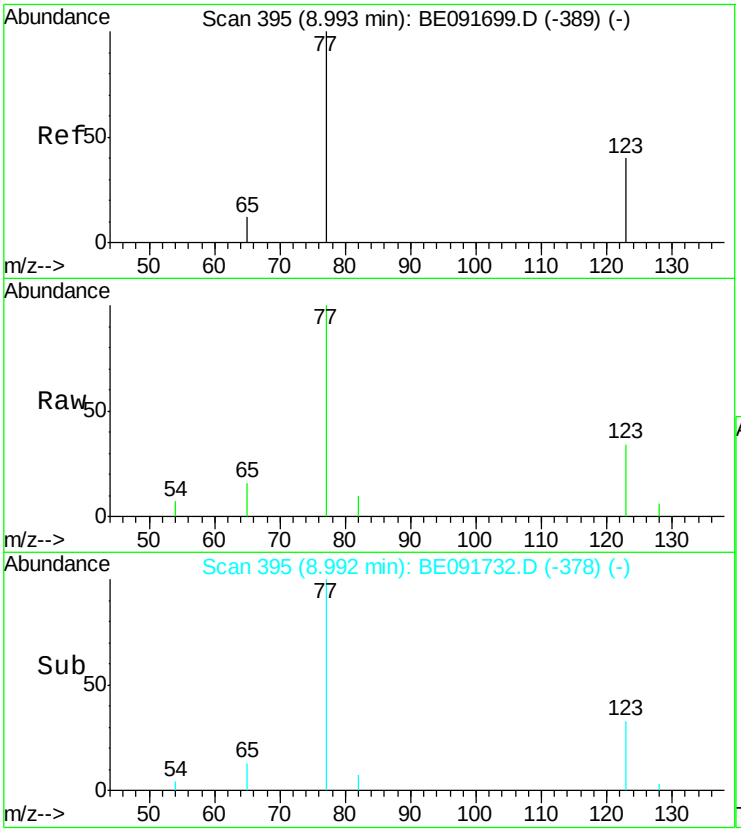


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.01 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion: 82 Resp: 3609

Ion	Ratio	Lower	Upper
82	100		
128	40.0	25.4	38.0#
54	49.9	48.4	72.6



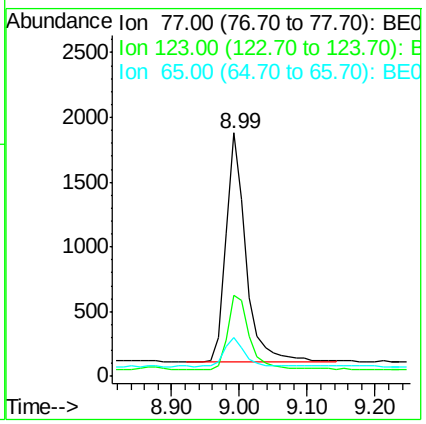


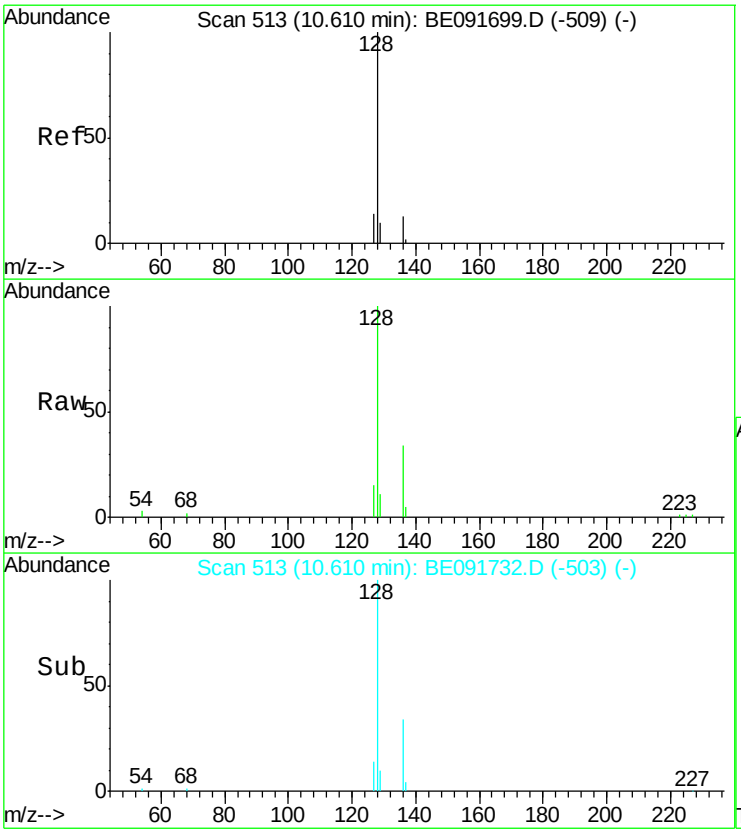
#9
Nitrobenzene
Concen: 0.33 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 77 Resp: 3684

Ion	Ratio	Lower	Upper
77	100		
123	35.7	26.9	40.3
65	13.9	9.4	14.2

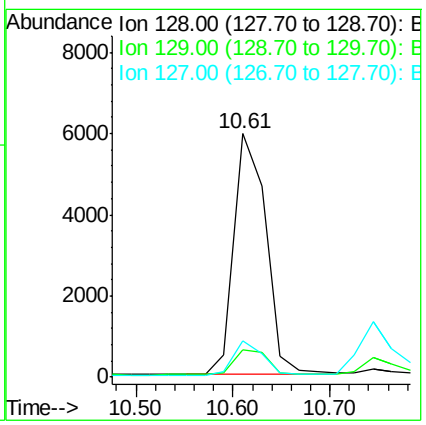


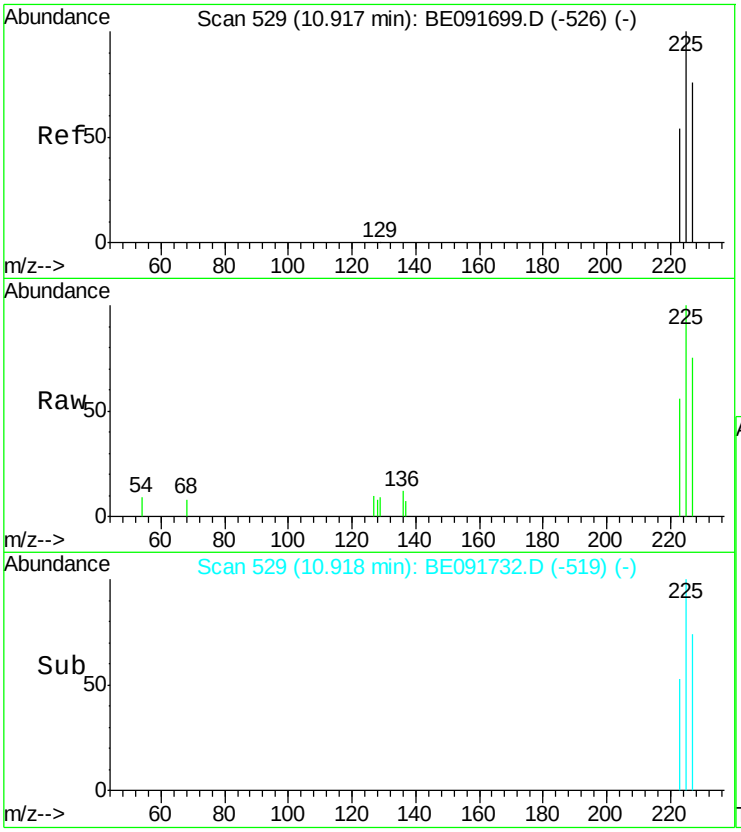


#10
Naphthalene
Concen: 0.40 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:128 Resp: 13509

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	14.7	10.7	16.1



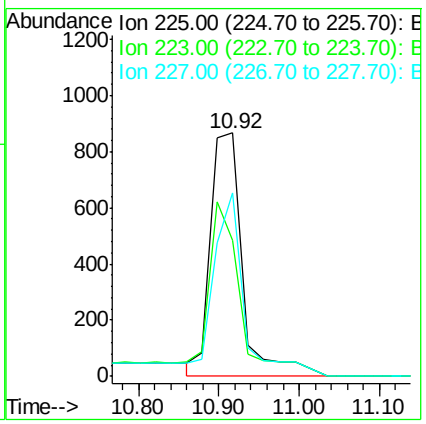


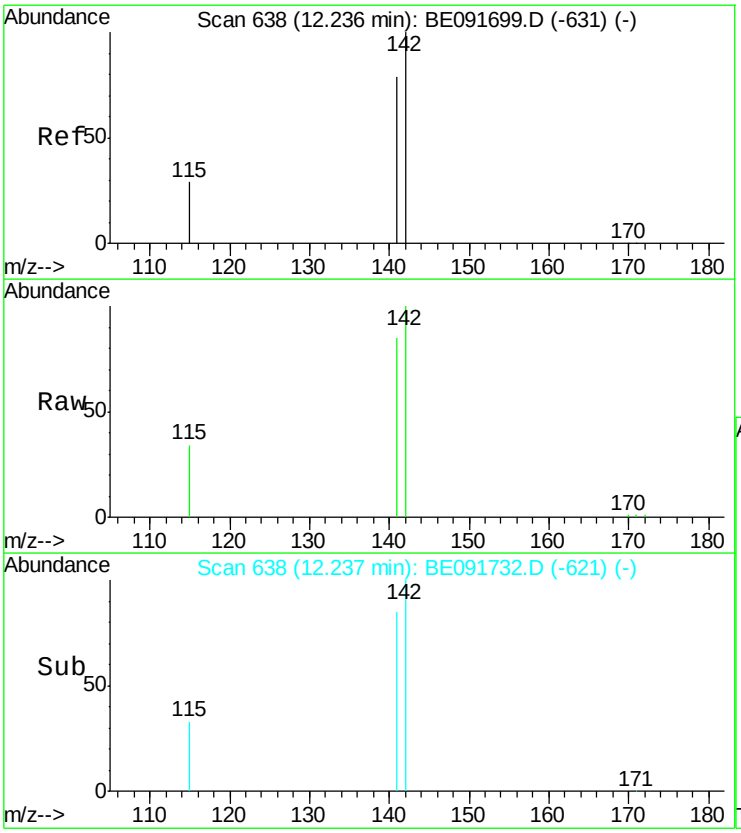
#11
Hexachlorobutadiene
Concen: 0.52 ng
RT: 10.92 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:225 Resp: 2575

Ion	Ratio	Lower	Upper
225	100		
223	71.0	49.0	73.6
227	69.9	50.3	75.5

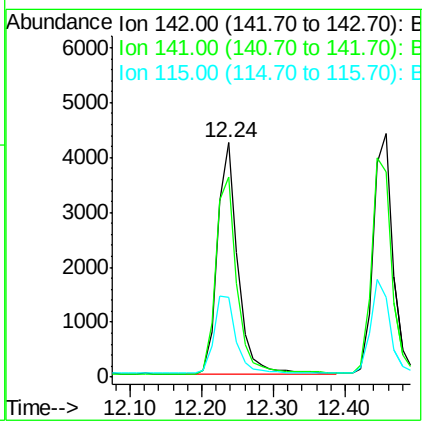


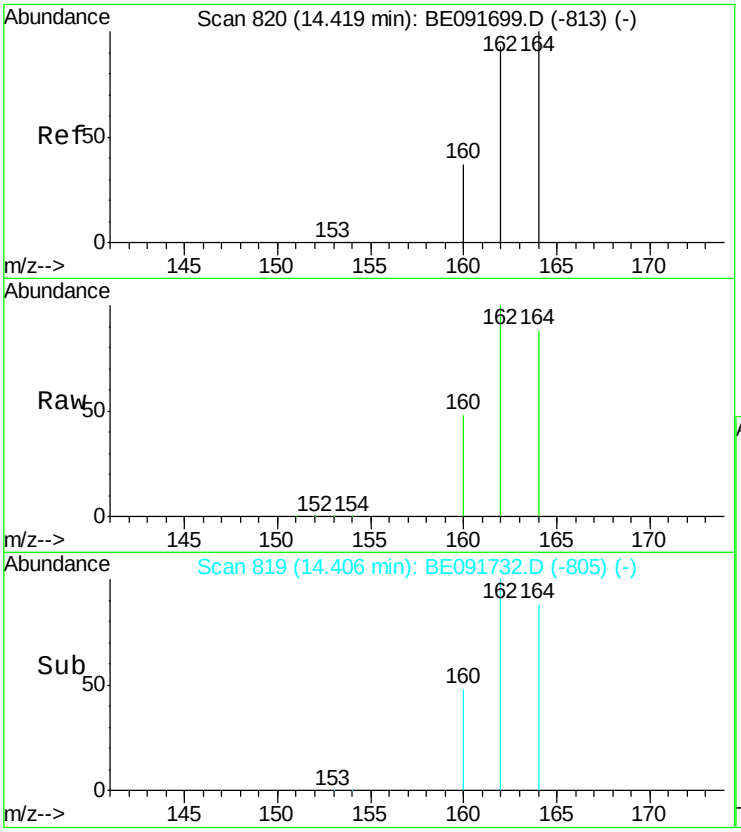


#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:142 Resp: 8284

Ion	Ratio	Lower	Upper
142	100		
141	85.3	71.4	107.0
115	34.1	30.3	45.5



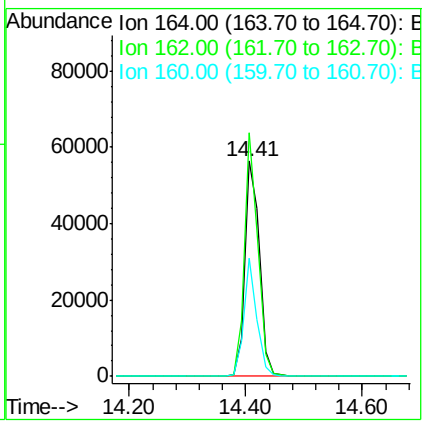


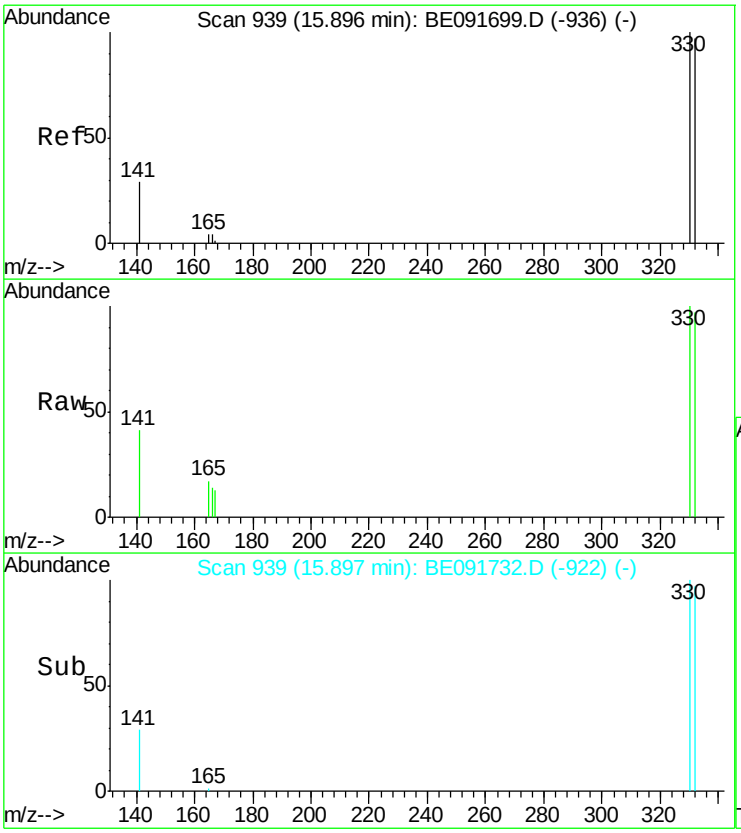
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 95879

Ion	Ratio	Lower	Upper
164	100		
162	113.3	85.3	127.9
160	54.8	46.2	69.2

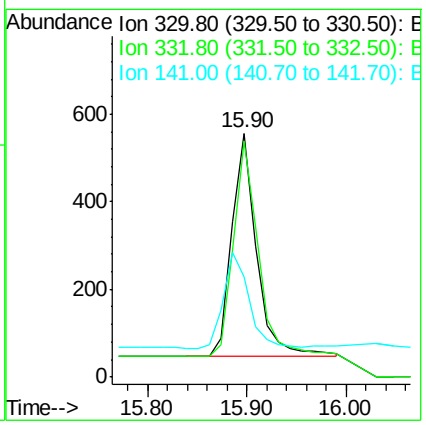


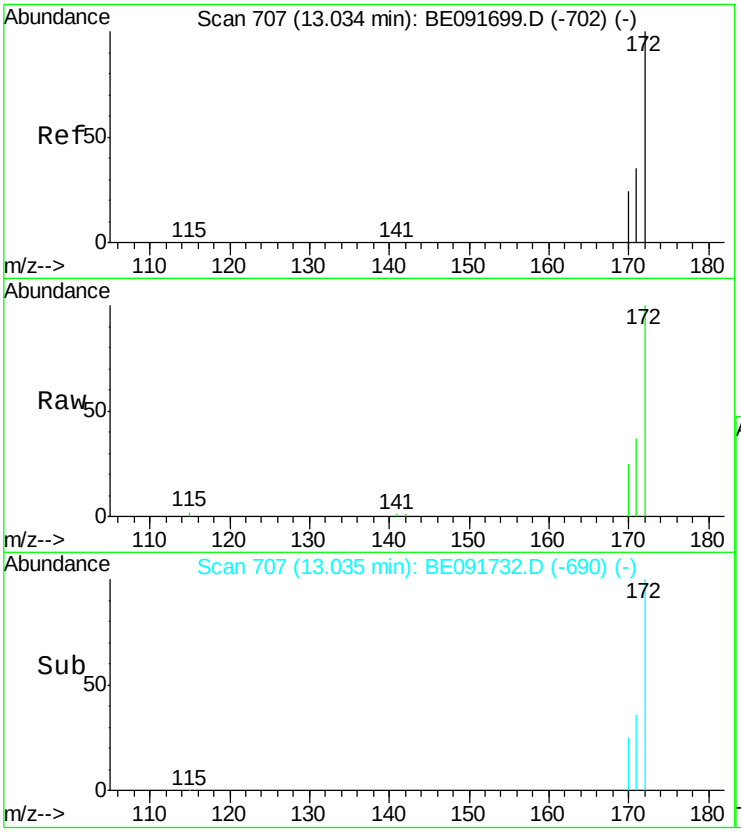


#14
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:330 Resp: 893

Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	45.1	125.4	188.0#



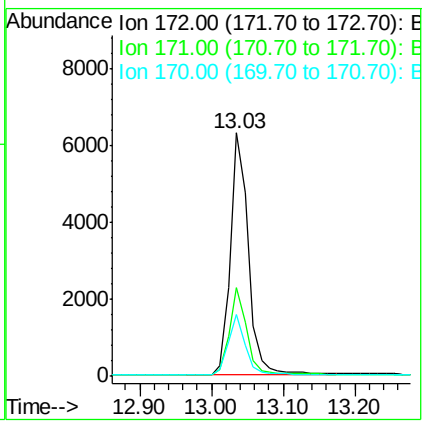


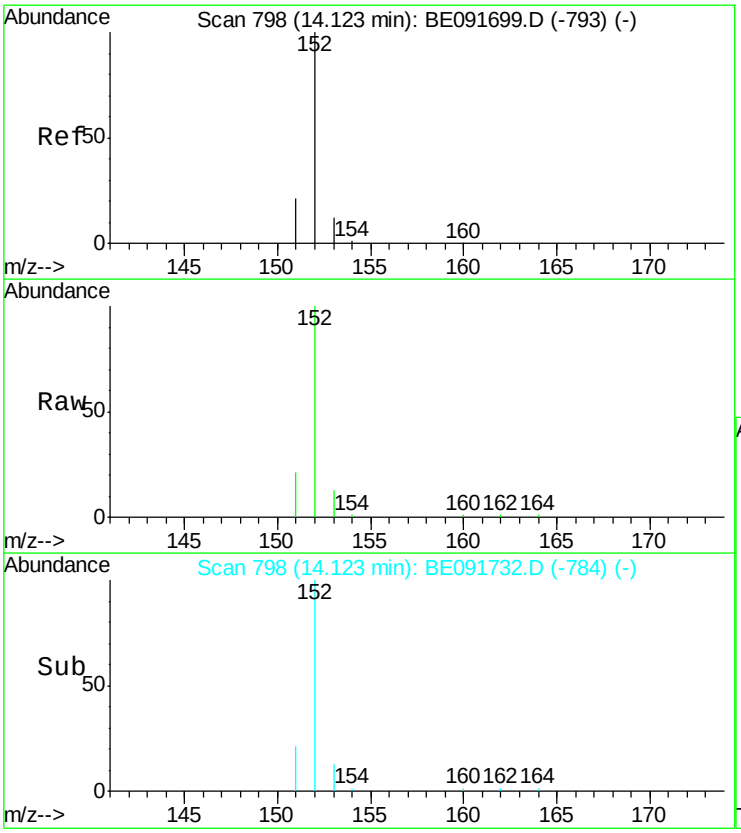
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 10890

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.8	43.2
170	25.4	19.3	28.9

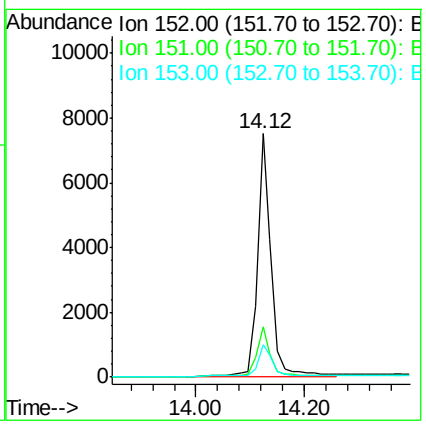


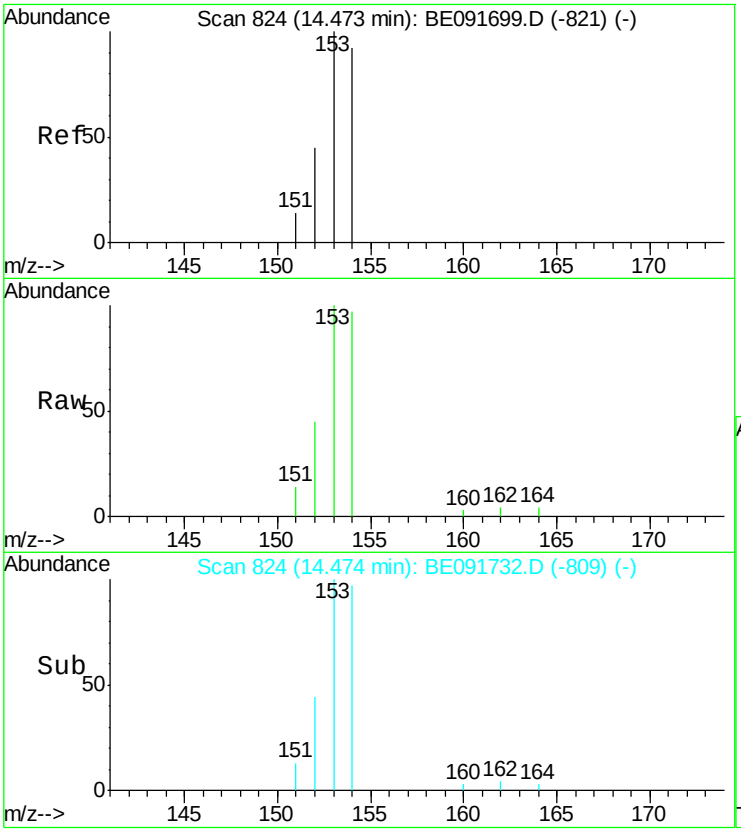


#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:152 Resp: 14304

Ion	Ratio	Lower	Upper
152	100		
151	23.8	3.9	5.9#
153	17.8	10.3	15.5#



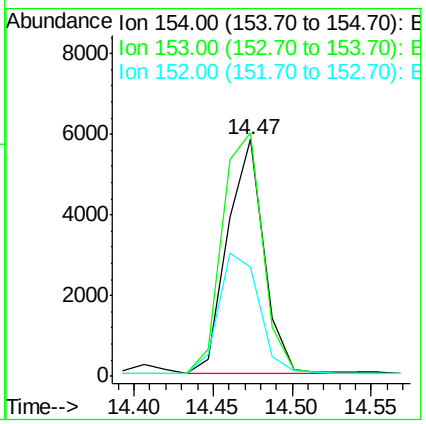


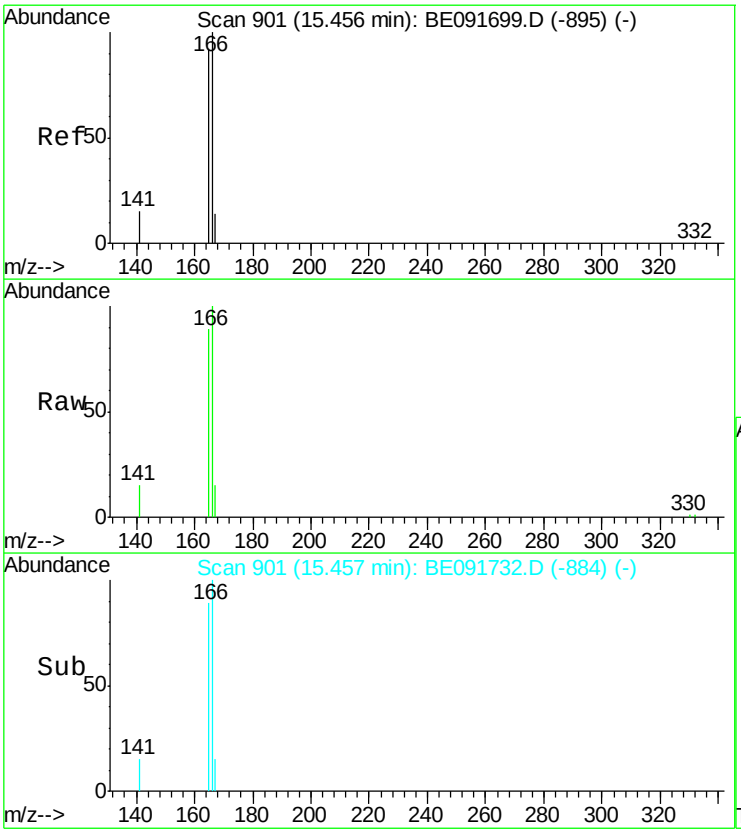
#17
Acenaphthene
Concen: 0.39 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9311

Ion	Ratio	Lower	Upper
154	100		
153	116.3	80.0	120.0
152	57.9	40.0	60.0

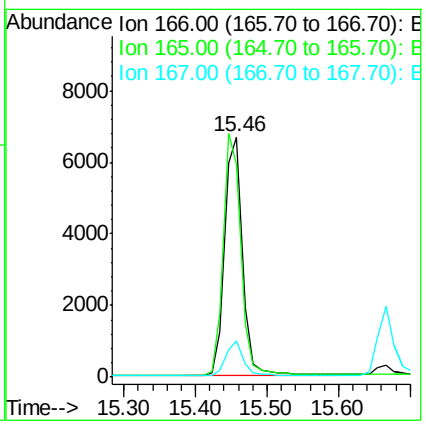


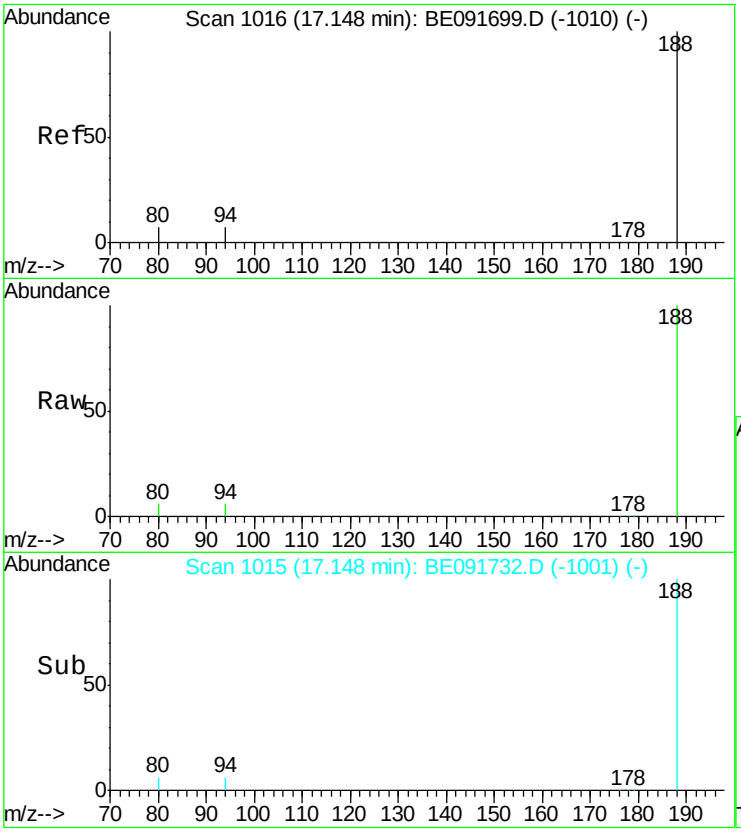


#18
Fluorene
Concen: 0.39 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:166 Resp: 11538

Ion	Ratio	Lower	Upper
166	100		
165	100.1	80.8	121.2
167	13.6	10.9	16.3



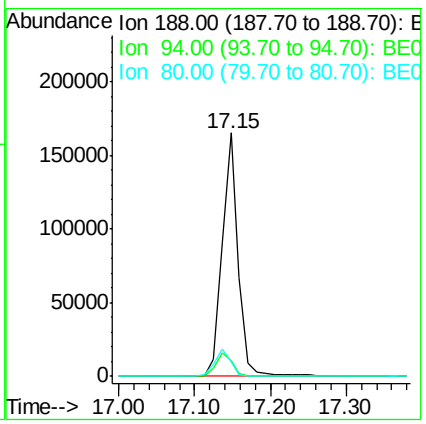


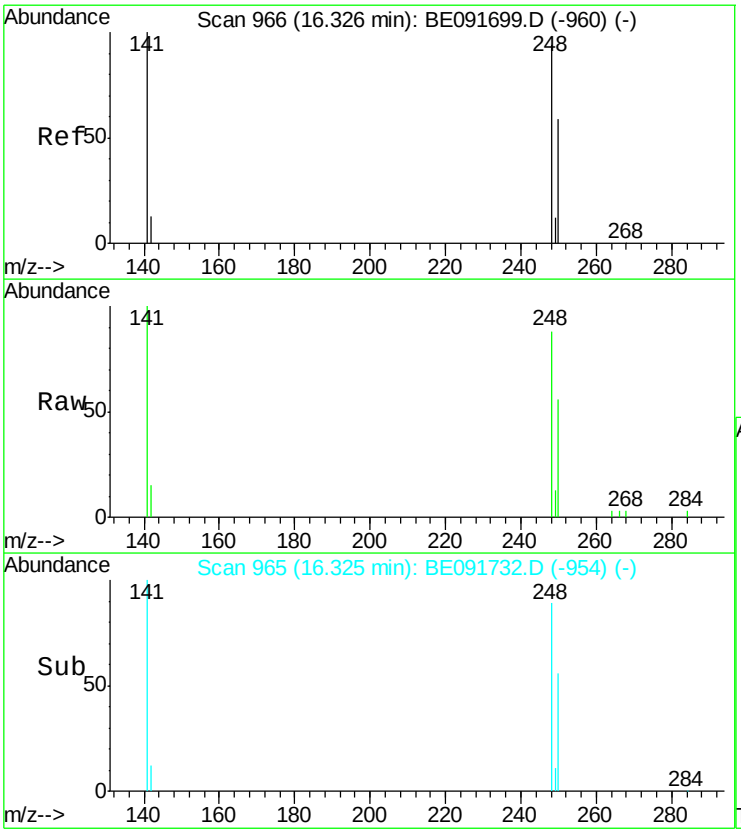
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 245569

Ion	Ratio	Lower	Upper
188	100		
94	6.5	8.7	13.1#
80	5.9	9.4	14.0#

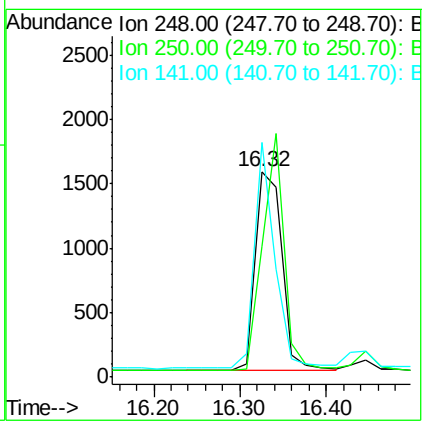


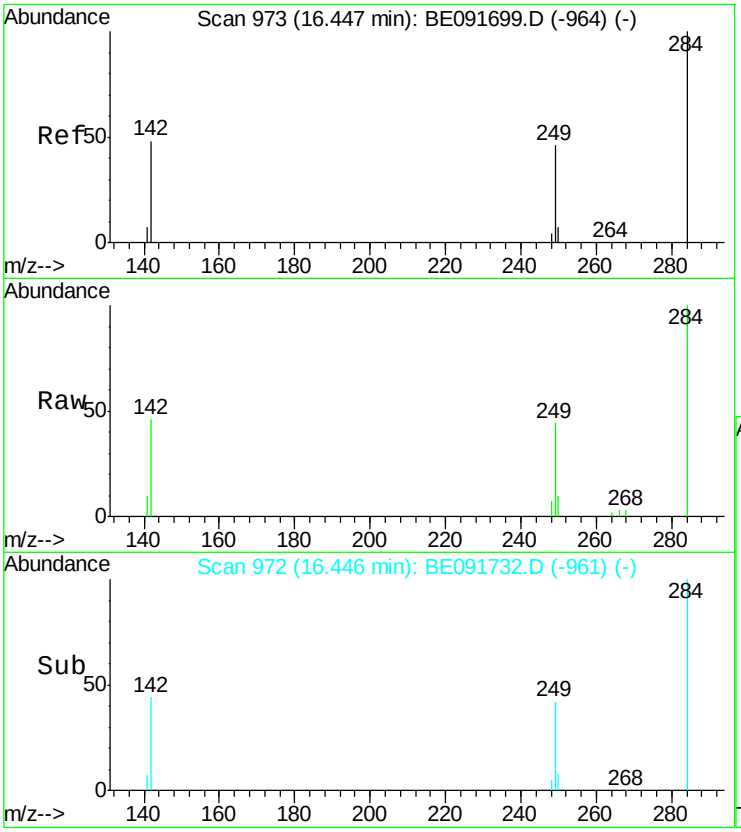


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.32 min Scan# 965
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:248 Resp: 3351

Ion	Ratio	Lower	Upper
248	100		
250	97.0	80.5	120.7
141	86.8	72.0	108.0



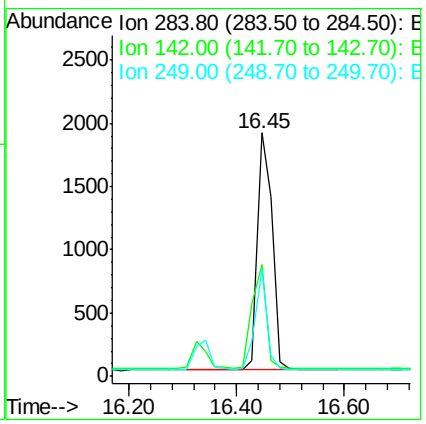


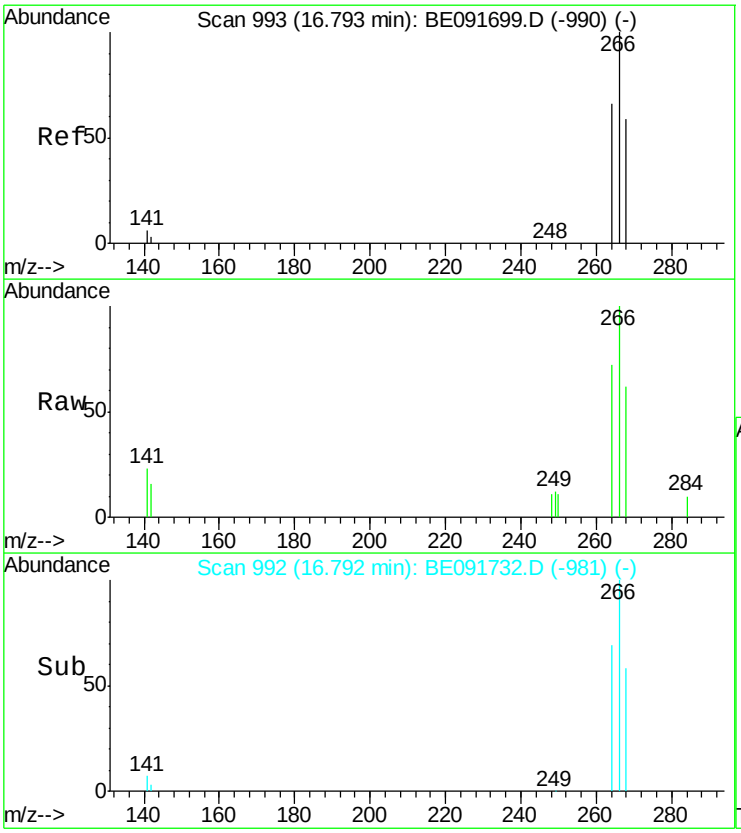
#21
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.45 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 3554

Ion	Ratio	Lower	Upper
284	100		
142	41.6	32.2	48.2
249	33.1	25.4	38.2

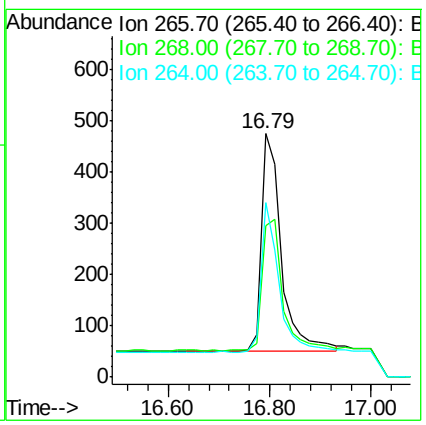


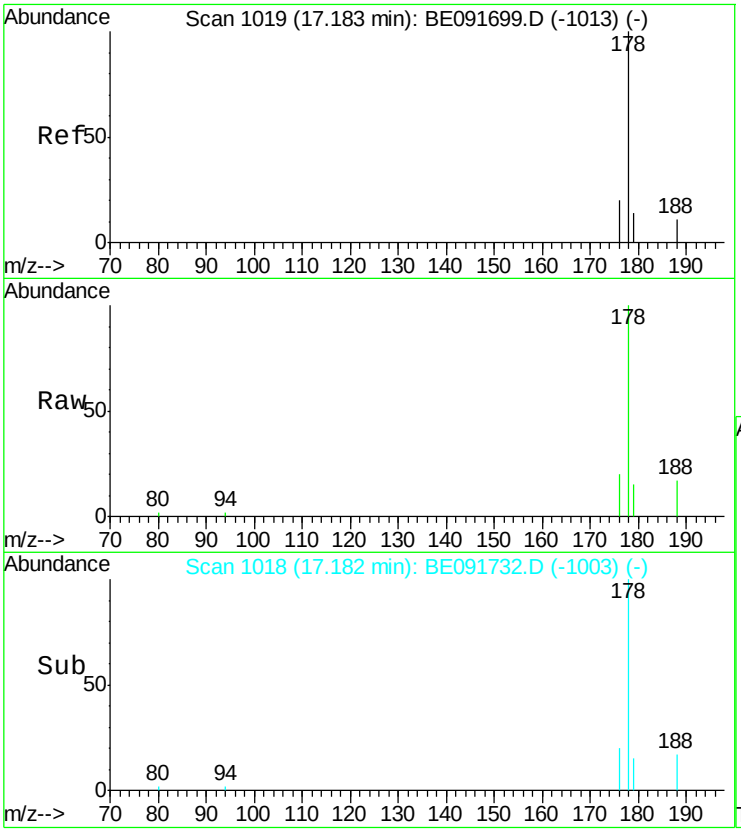


#22
Pentachlorophenol
Concen: 0.33 ng
RT: 16.79 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:266 Resp: 1141

Ion	Ratio	Lower	Upper
266	100		
268	62.2	58.2	87.2
264	71.7	56.2	84.4



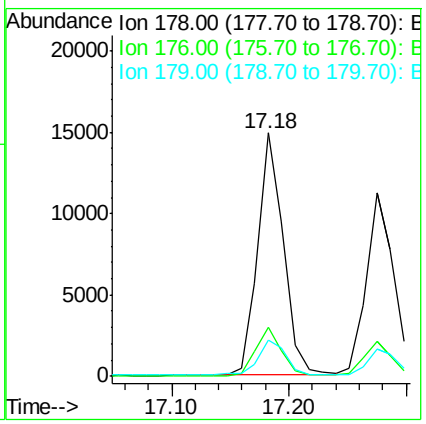


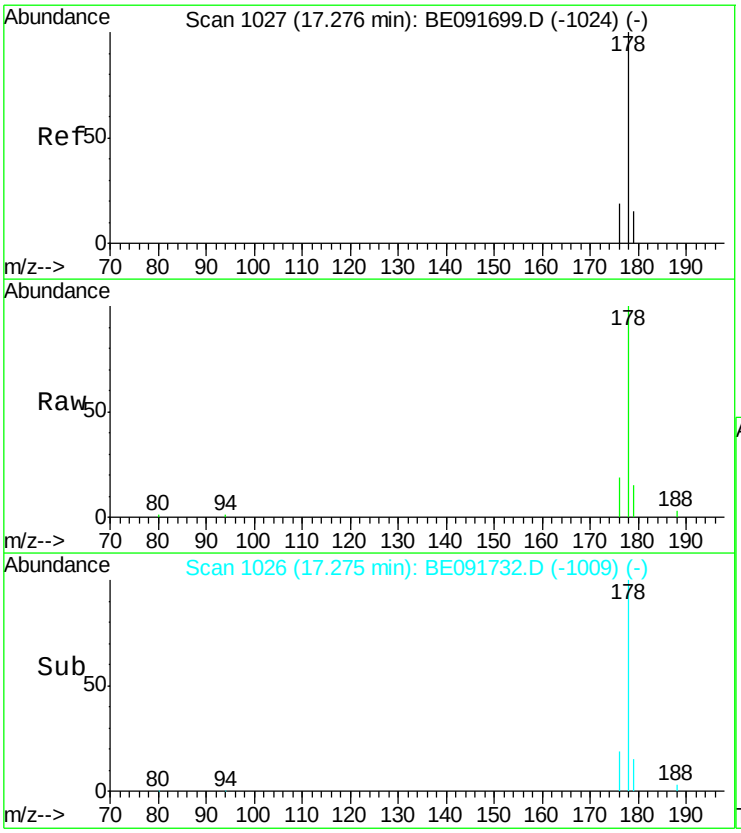
#23
Phenanthrene
Concen: 0.41 ng
RT: 17.18 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 22970

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.8	12.6	18.8

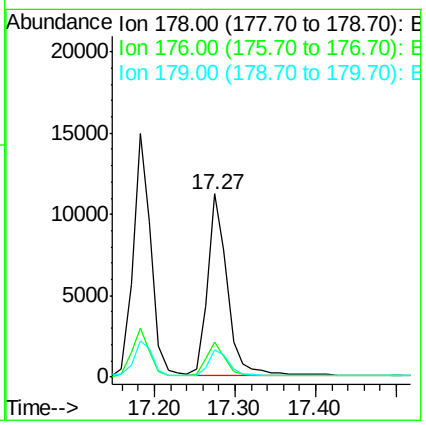


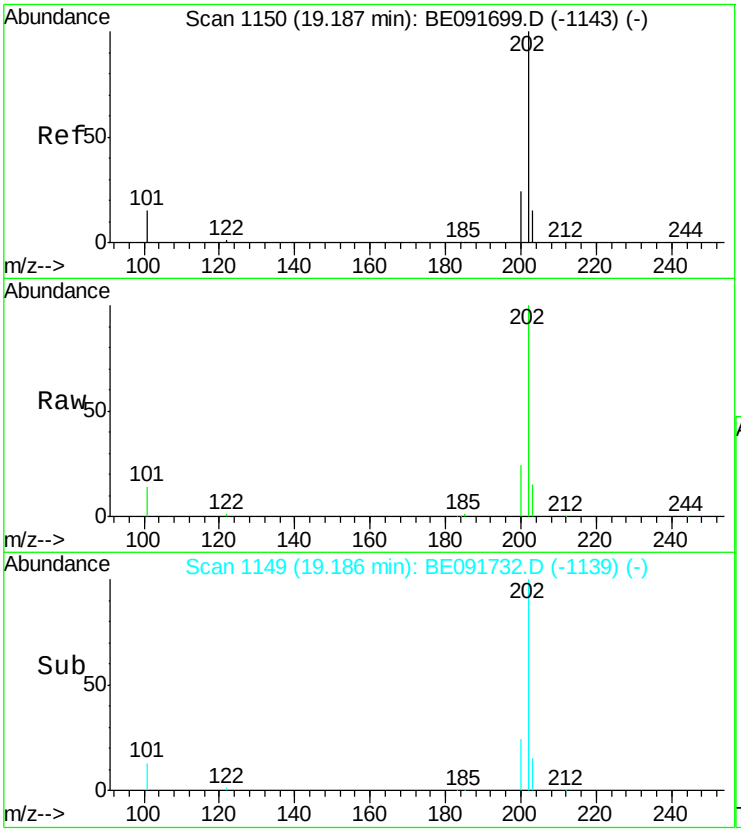


#24
Anthracene
Concen: 0.38 ng
RT: 17.27 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:178 Resp: 19091

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.1	11.8	17.6



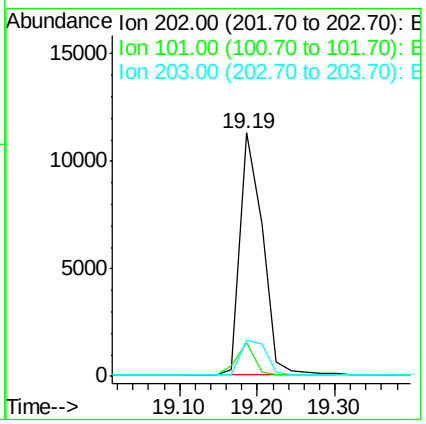


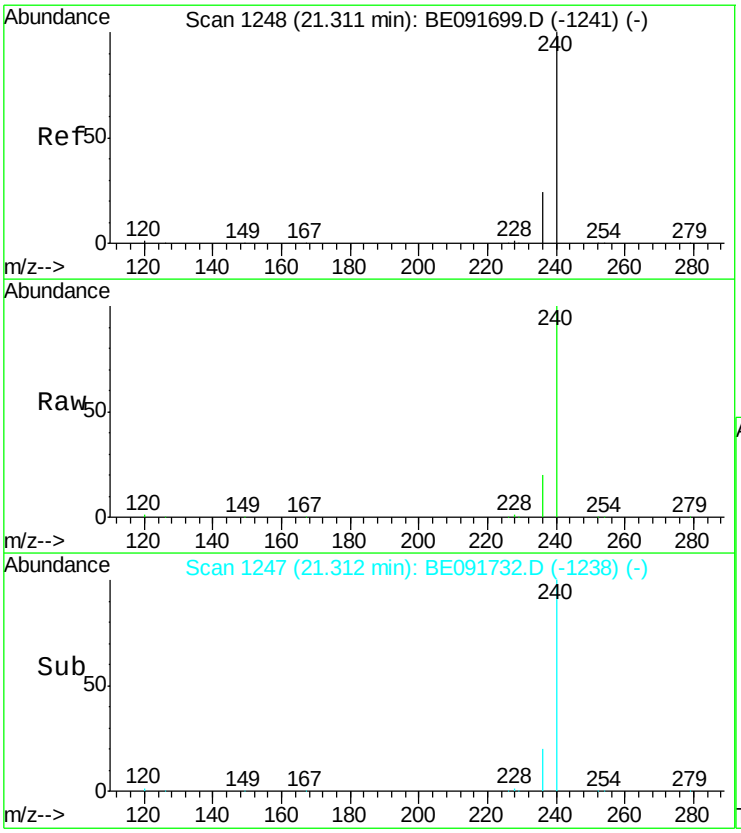
#25
Fluoranthene
Concen: 0.39 ng
RT: 19.19 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 22703

Ion	Ratio	Lower	Upper
202	100		
101	11.2	11.0	16.6
203	17.1	13.9	20.9

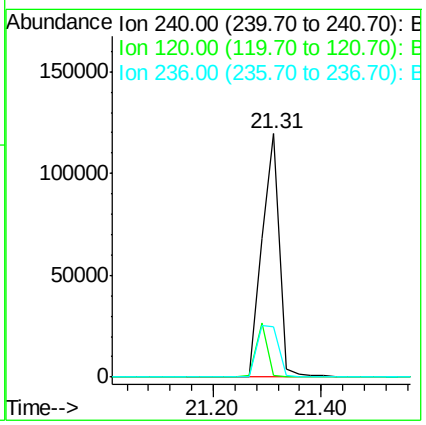


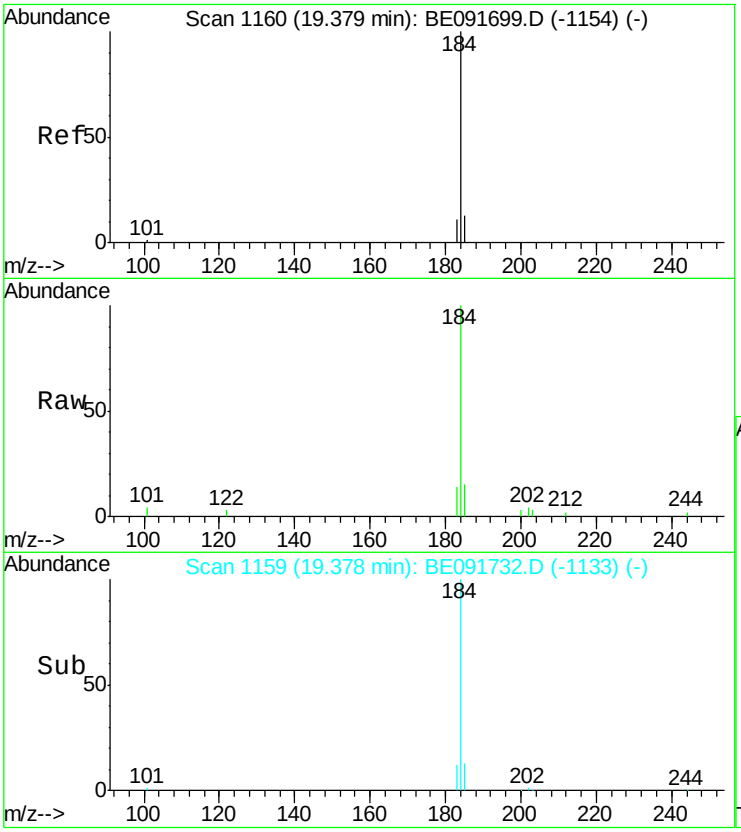


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:240 Resp: 269823

Ion	Ratio	Lower	Upper
240	100		
120	0.9	11.0	16.4#
236	20.5	21.7	32.5#



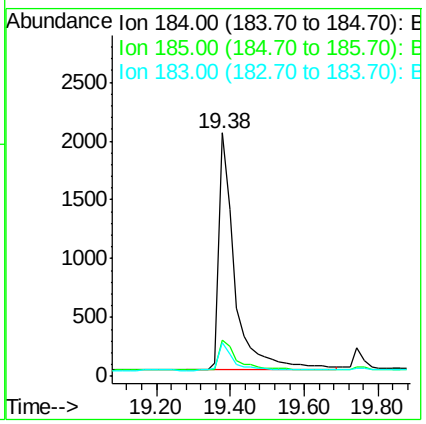


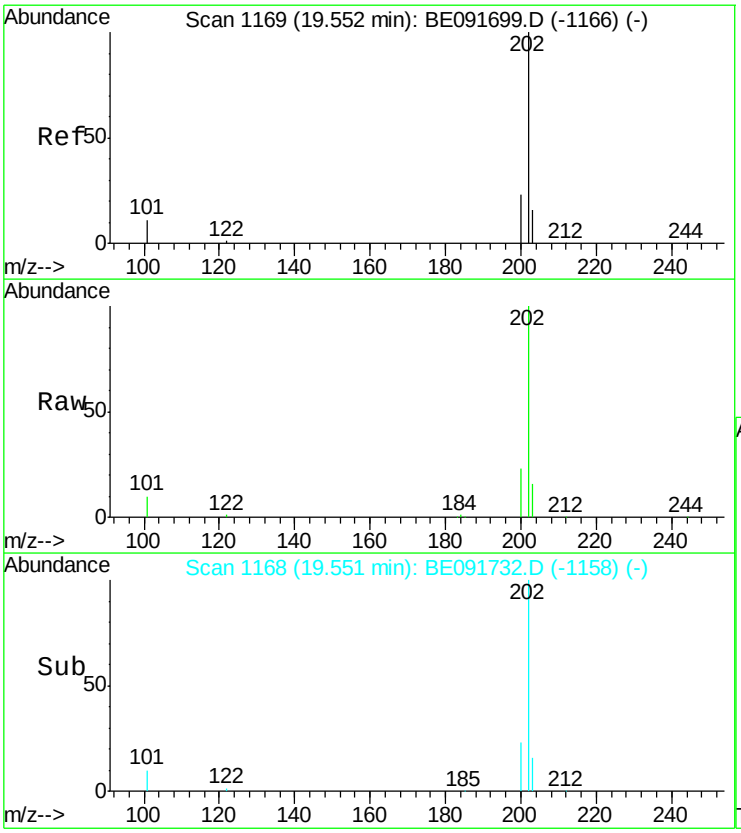
#27
Benzidine
Concen: 0.43 ng
RT: 19.38 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:184 Resp: 5959

Ion	Ratio	Lower	Upper
184	100		
185	15.0	22.3	33.5#
183	13.8	16.4	24.6#

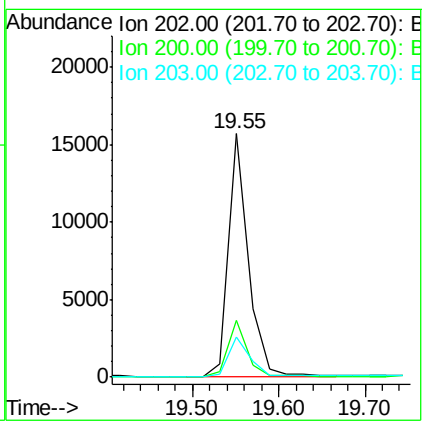


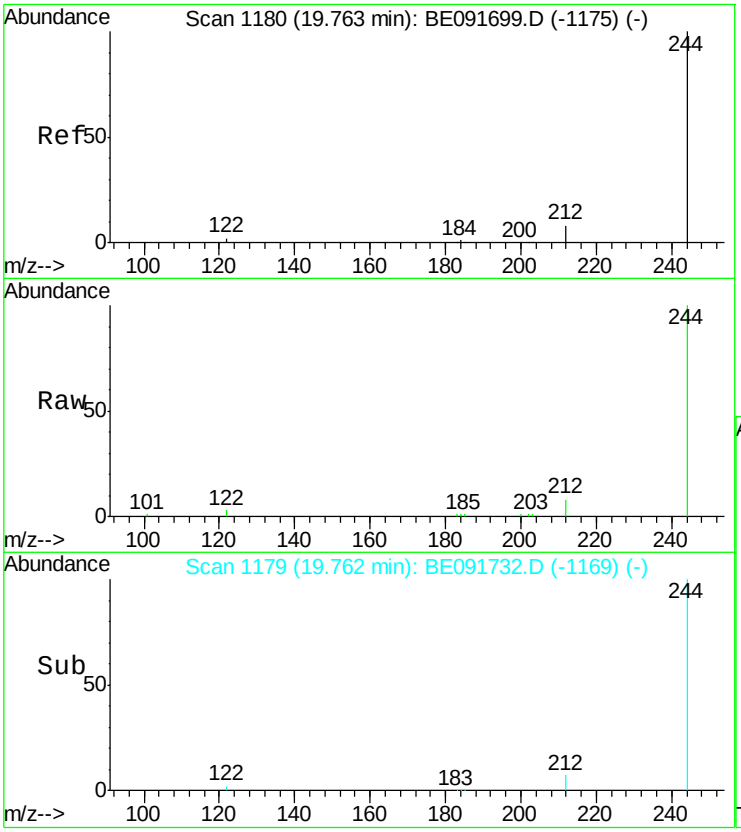


#28
Pyrene
Concen: 0.41 ng
RT: 19.55 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:202 Resp: 24777

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.8	25.2
203	17.5	14.0	21.0



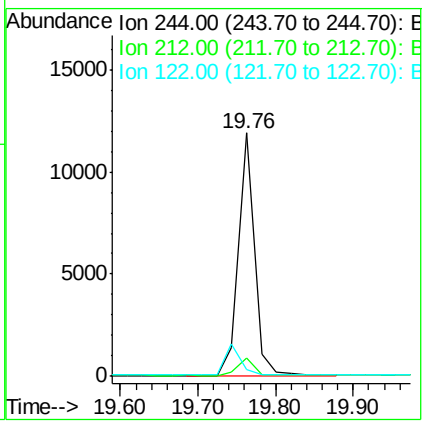


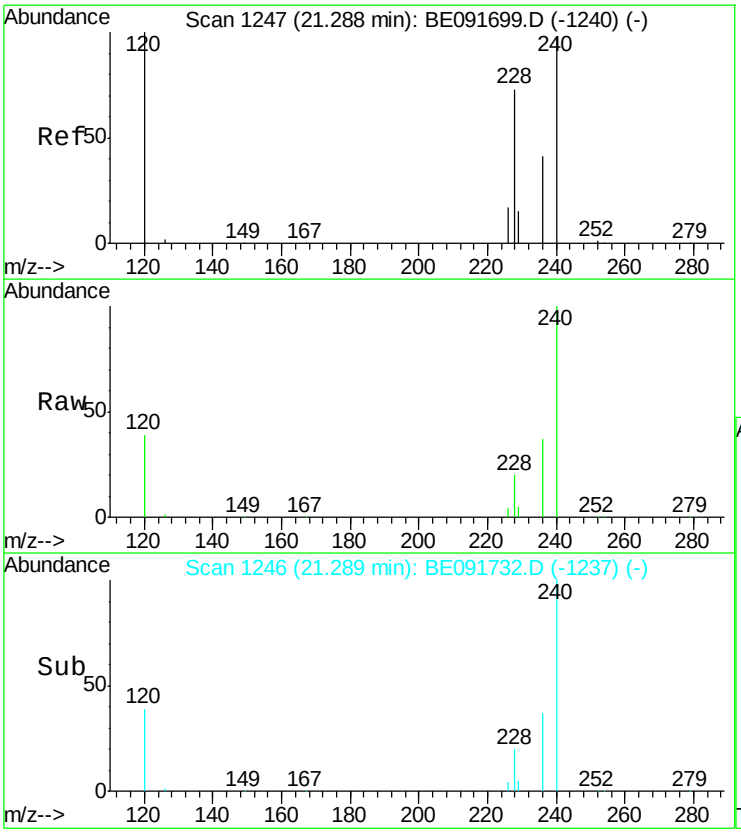
#29
Terphenyl-d14
Concen: 0.40 ng
RT: 19.76 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 16847

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	2.7	11.0	16.4#

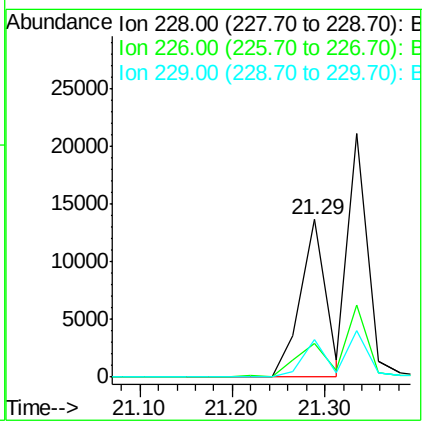


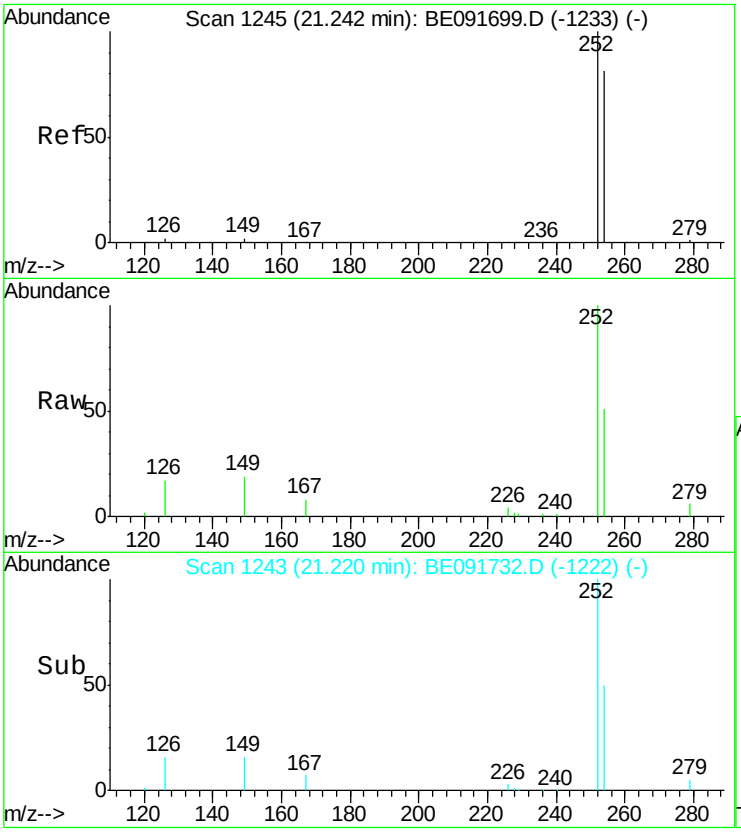


#30
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.29 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:228 Resp: 25688

Ion	Ratio	Lower	Upper
228	100		
226	21.5	21.0	31.4
229	23.6	15.7	23.5#



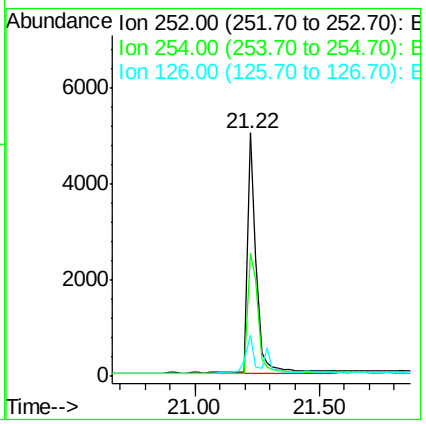


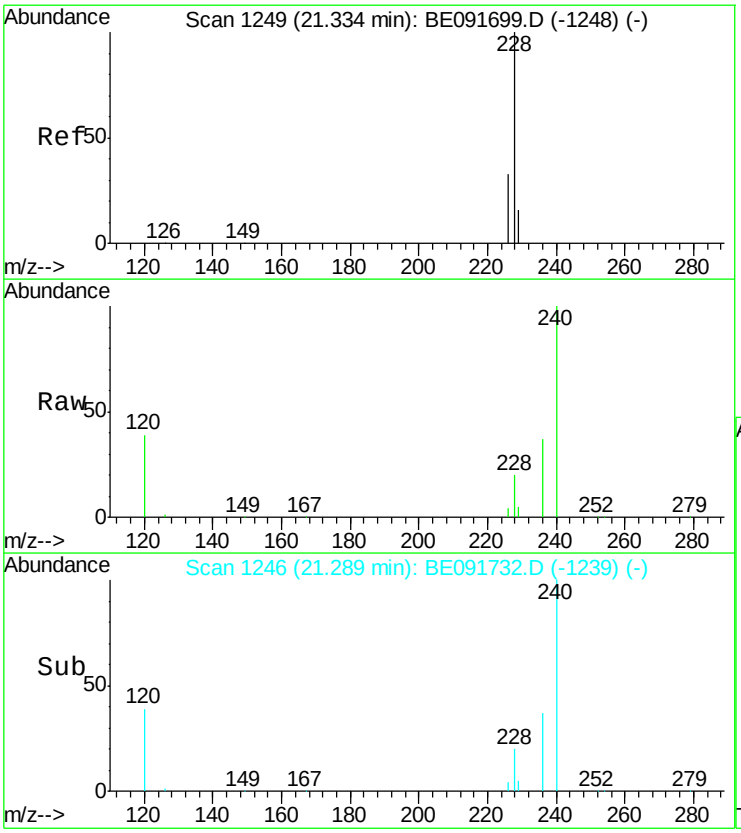
#31
3,3'-Dichlorobenzidine
Concen: 0.36 ng
RT: 21.22 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 12138

Ion	Ratio	Lower	Upper
252	100		
254	50.6	51.1	76.7#
126	17.1	12.6	18.8

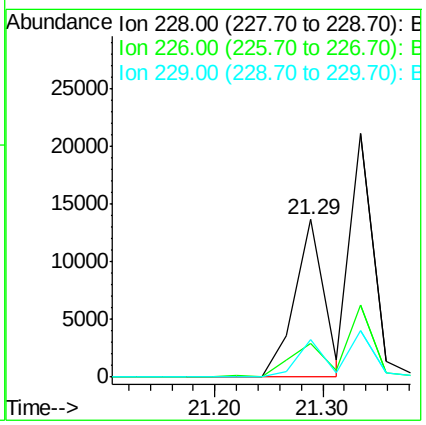


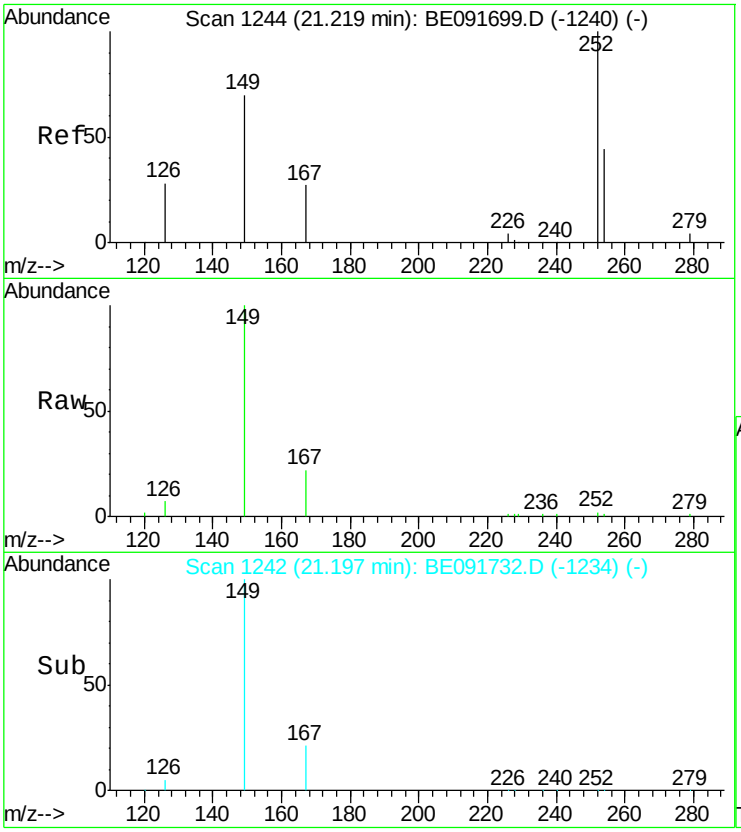


#32
Chrysene
Concen: 0.37 ng
RT: 21.29 min Scan# 1246
Delta R.T. -0.05 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:228 Resp: 25667

Ion	Ratio	Lower	Upper
228	100		
226	21.5	24.0	36.0#
229	23.6	15.9	23.9



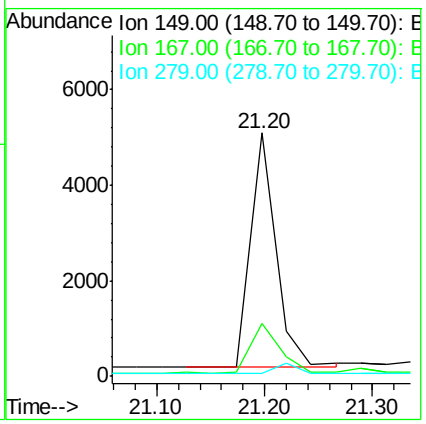


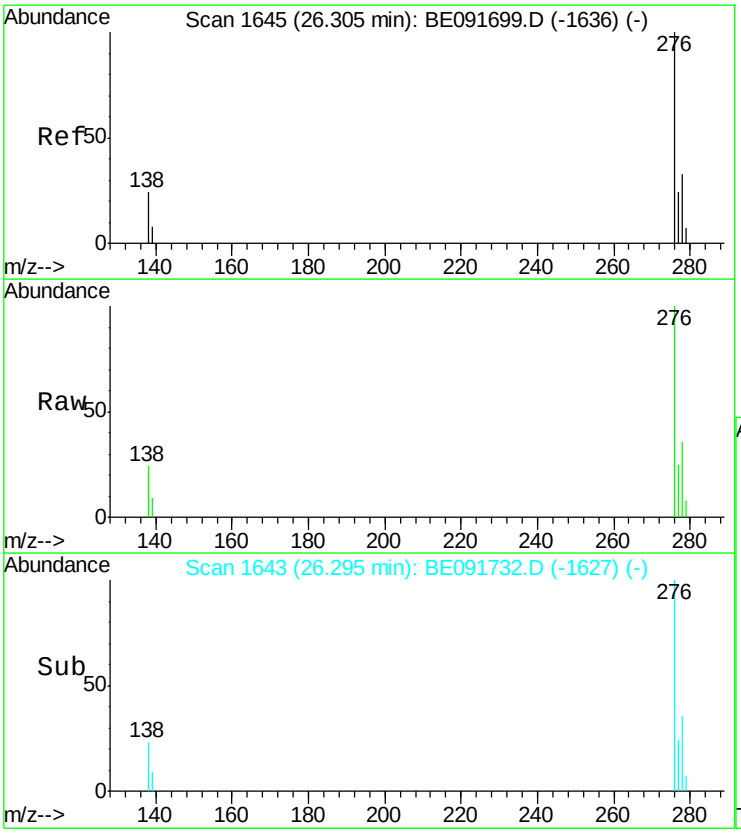
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.40 ng
RT: 21.20 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:149 Resp: 8057

Ion	Ratio	Lower	Upper
149	100		
167	24.6	19.5	29.3
279	0.0	10.0	15.0#

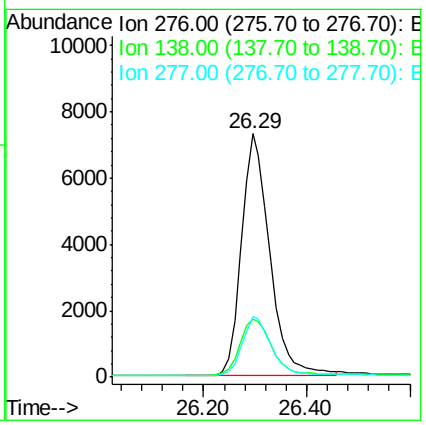


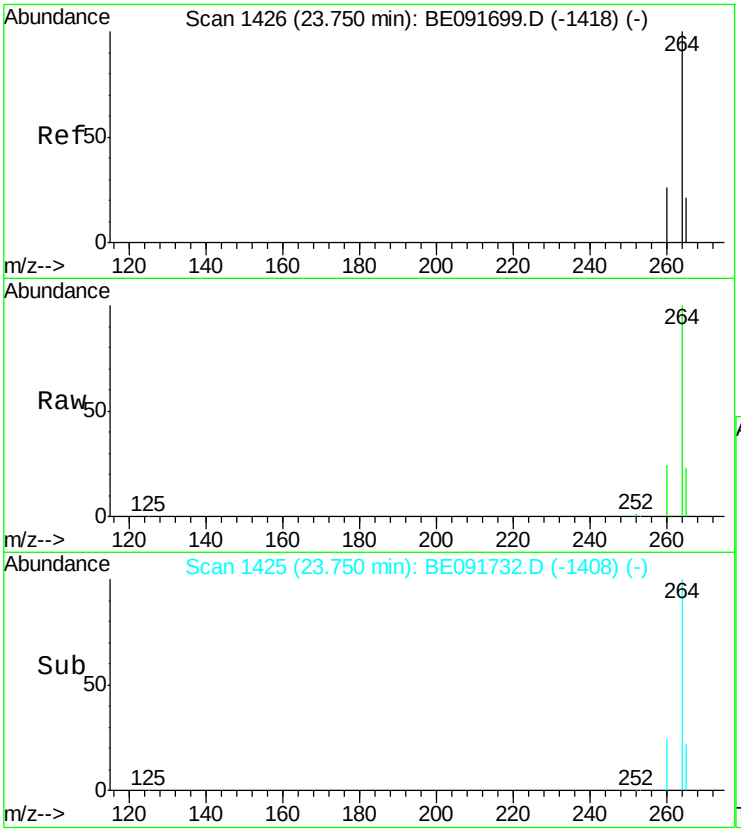


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.45 ng
RT: 26.29 min Scan# 1643
Delta R.T. -0.01 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:276 Resp: 27586

Ion	Ratio	Lower	Upper
276	100		
138	26.1	23.4	35.2
277	24.9	19.8	29.8



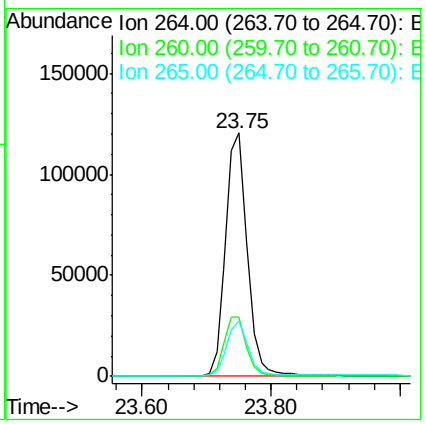


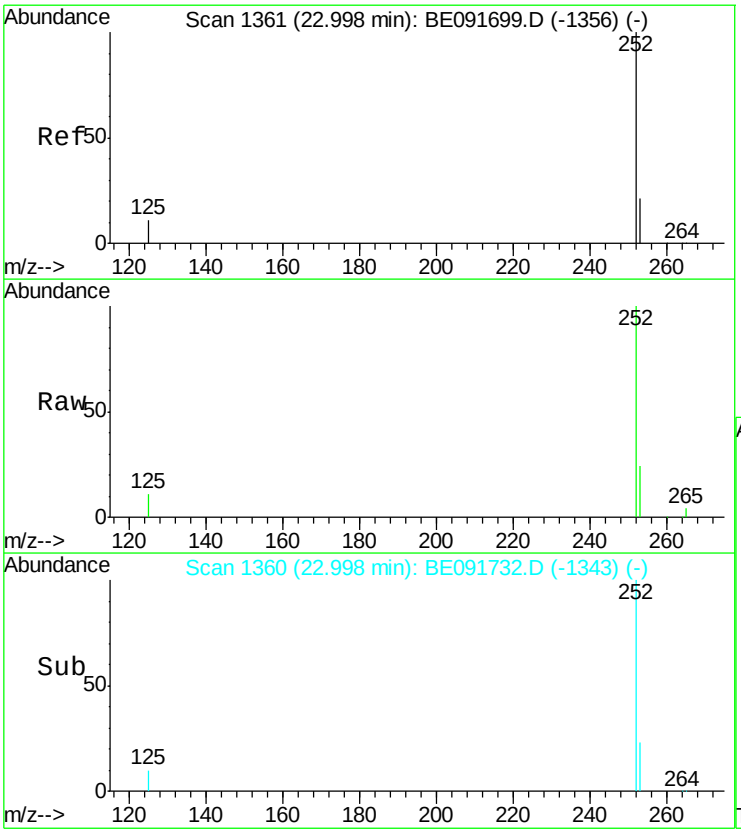
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 280827

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	22.6	17.5	26.3

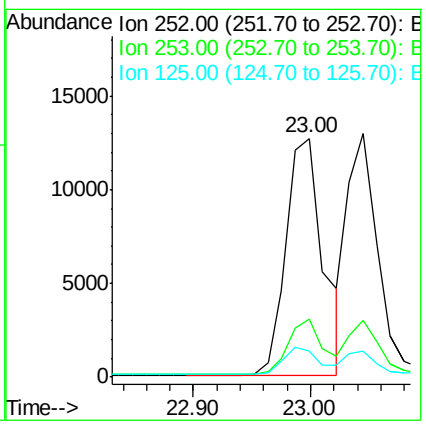


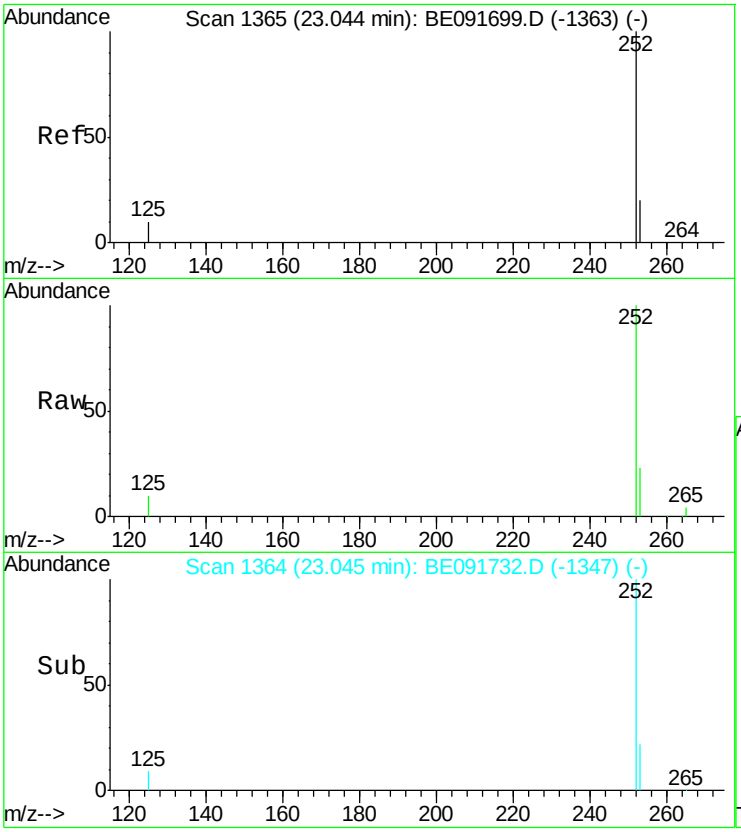


#36
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 23.00 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:252 Resp: 27695

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	10.9	10.2	15.2



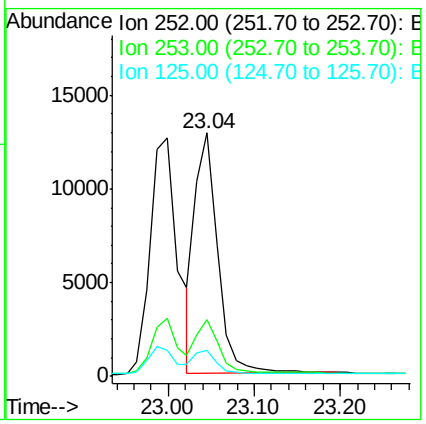


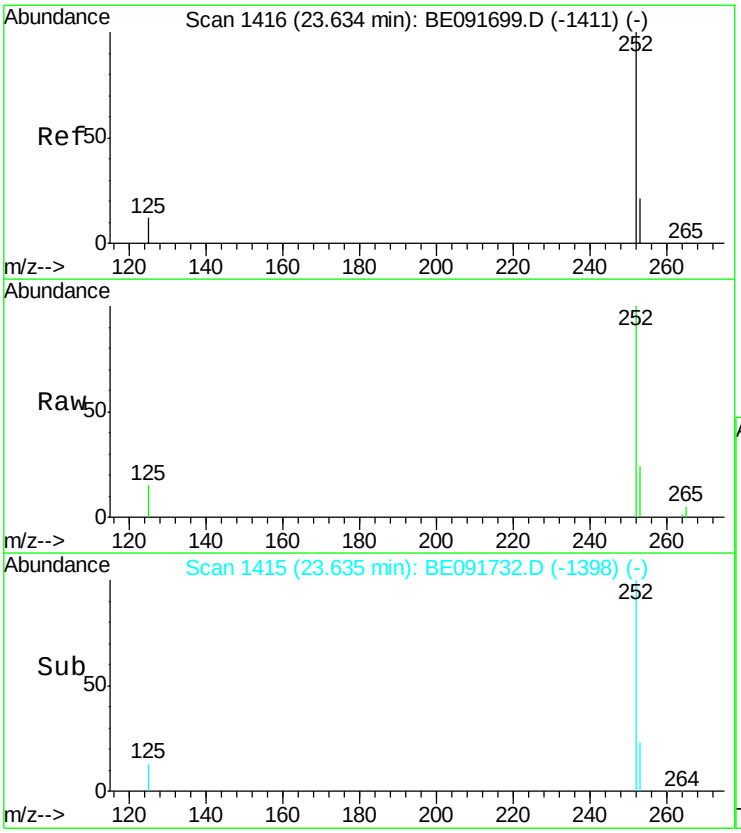
#37
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.04 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 23497

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	10.4	9.9	14.9

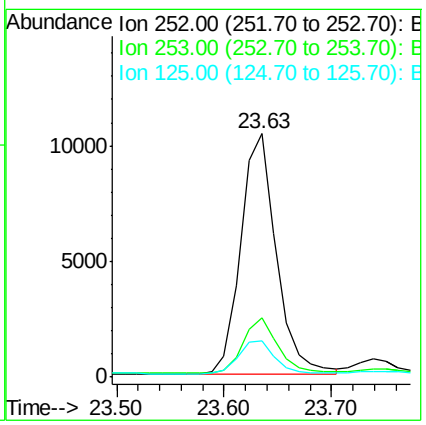


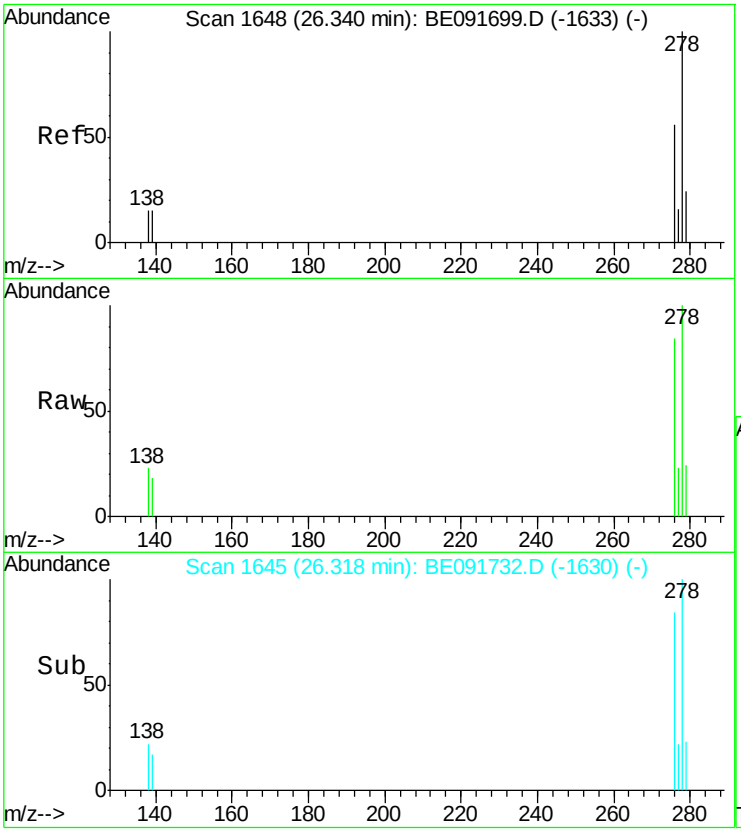


#38
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.63 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:252 Resp: 23801

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	15.1	11.0	16.4



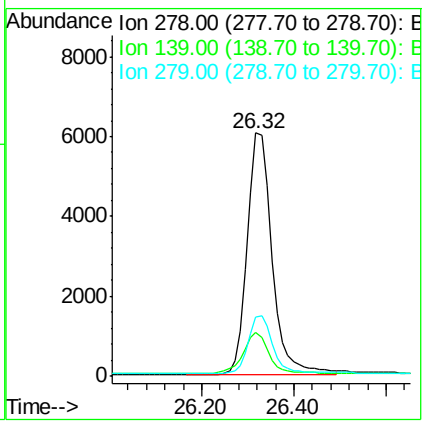


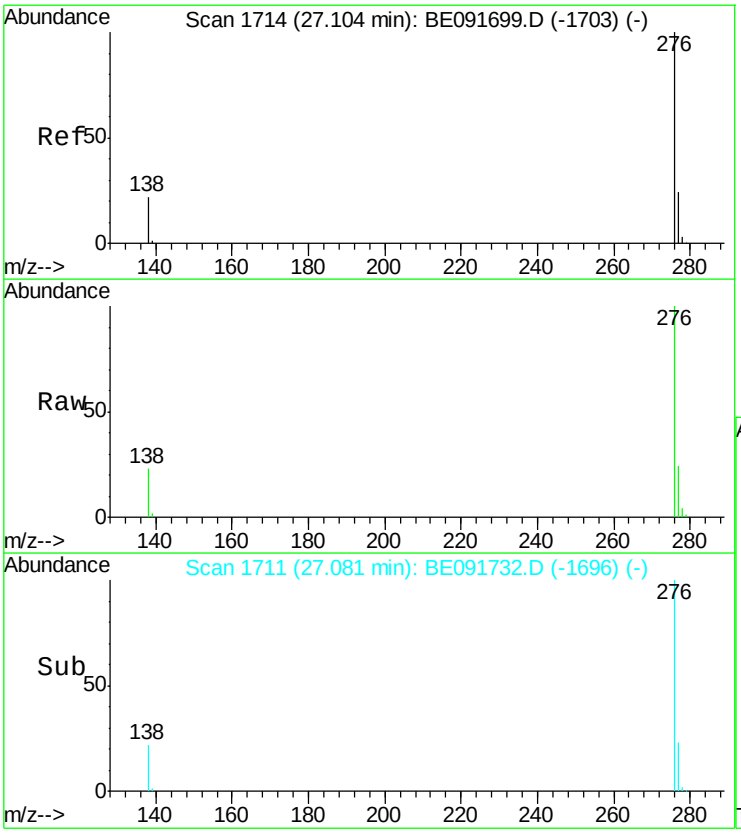
#39
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.32 min Scan# 1645
Delta R.T. -0.02 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 22555

Ion	Ratio	Lower	Upper
278	100		
139	18.0	16.0	24.0
279	24.2	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.08 min Scan# 1711
Delta R.T. -0.02 min
Lab File: BE091732.D
Acq: 29 Apr 2016 12:57

Tgt Ion:276 Resp: 22538

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	23.1	20.4	30.6