Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051016\
Data File : BE091765.D
Acq On : 10 May 2016 20:31
Operator : UM/SJ
Sample : H2912-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : CEDAR-HILL-TF-PS-003MSD

Quant Time: May 11 01:18:57 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	44235	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	213736	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	127245	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	292335	5.00	ng		0.00
26) Chrysene-d12	21.31	240	293597	5.00	ng		0.00
35) Perylene-d12	23.75	264	298207	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	66097	6.08	ng		0.00
5) Phenol-d6	6.95	99	104551	7.26	ng		0.00
8) Nitrobenzene-d5	8.95	82	50099	3.63	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	33709	7.13	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	135348	3.76	ng		0.00
29) Terphenyl-d14	19.76	244	189294	4.13	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	14263	2.73	ng	#	91
3) n-Nitrosodimethylamine	3.64	42	25562	3.18	ng	#	97
6) bis(2-Chloroethyl)ether	7.21	93	44061	3.48	ng	#	77
9) Nitrobenzene	8.98	77	54279	3.76	ng		92
10) Naphthalene	10.61	128	159239	3.69	ng		98
11) Hexachlorobutadiene	10.90	225	24245	3.80	ng		97
12) 2-Methylnaphthalene	12.22	142	115164	4.15	ng		96
16) Acenaphthylene	14.12	152	208489	4.26	ng	#	86
17) Acenaphthene	14.47	154	125410	3.95	ng		95
18) Fluorene	15.44	166	157238	3.99	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	45014	4.28	ng		92
21) Hexachlorobenzene	16.45	284	44094	4.19	ng		99
22) Pentachlorophenol	16.79	266	45824	8.06	ng		88
23) Phenanthrene	17.18	178	267819	4.03	ng		99
24) Anthracene	17.28	178	262265	4.38	ng		98
25) Fluoranthene	19.19	202	304433	4.38	ng	#	97
27) Benzidine	19.38	184	1218	0.21	ng	#	69
28) Pyrene	19.55	202	327300	4.93	ng		99
30) Benzo(a)anthracene	21.29	228	288970	4.03	ng		91
31) 3,3'-Dichlorobenzidine	21.22	252	18970	0.52	ng	#	86
32) Chrysene	21.29	228	288970	3.88	ng	#	88
33) Bis(2-ethylhexyl)phthalate	21.20	149	193423	8.90	ng	#	88
34) Indeno(1,2,3-cd)pyrene	26.29	276	309829	4.67	ng		94
36) Benzo(b)fluoranthene	22.99	252	281136	4.02	ng	#	96
37) Benzo(k)fluoranthene	23.04	252	295865	4.17	ng	#	96
38) Benzo(a)pyrene	23.63	252	275020	4.18	ng	#	95
39) Dibenzo(a,h)anthracene	26.32	278	260818	4.18	ng	#	94
40) Benzo(g,h,i)perylene	27.08	276	263295	4.16	ng	#	94

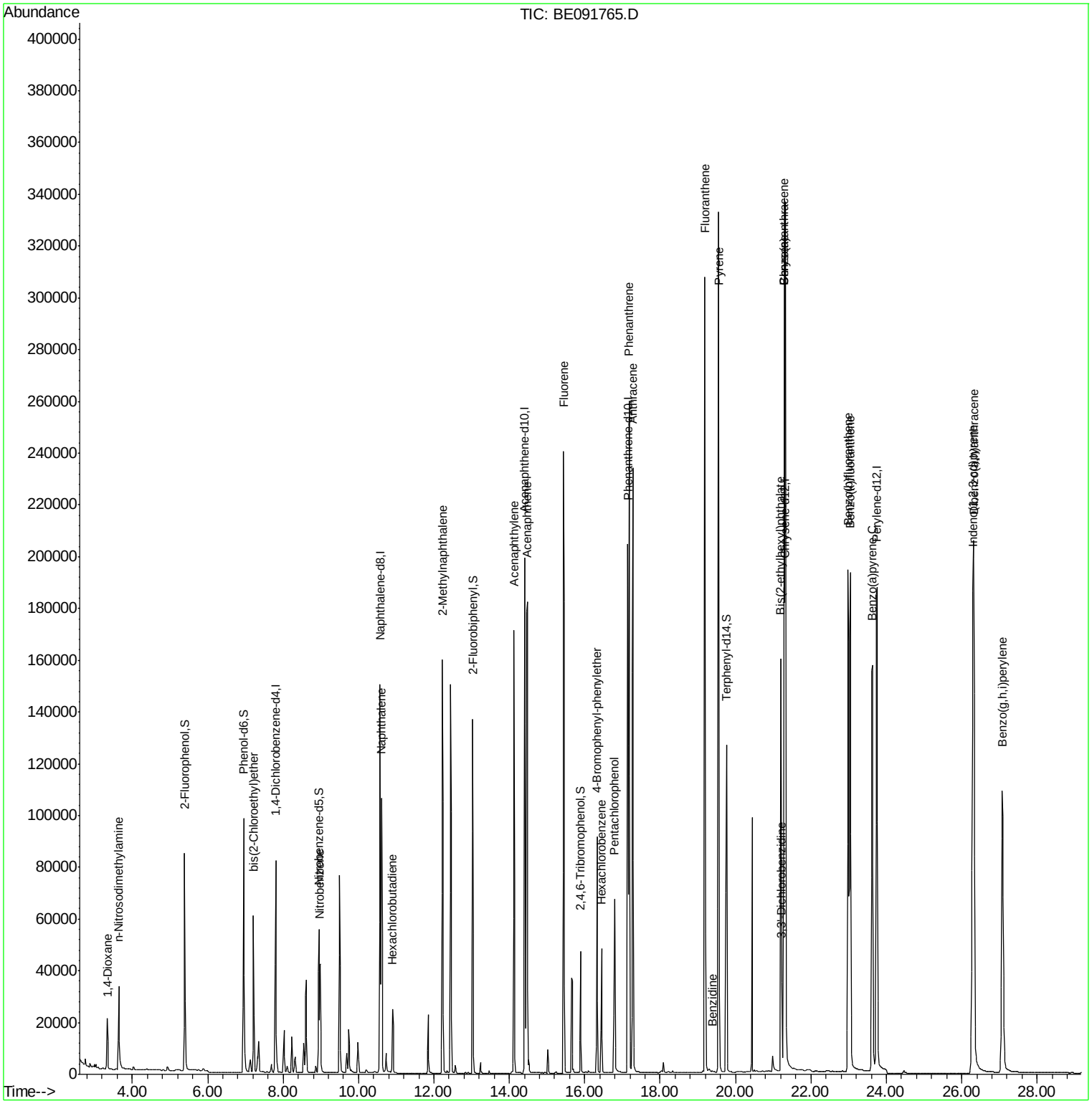
(#) = qualifier out of range (m) = manual integration (+) = signals summed

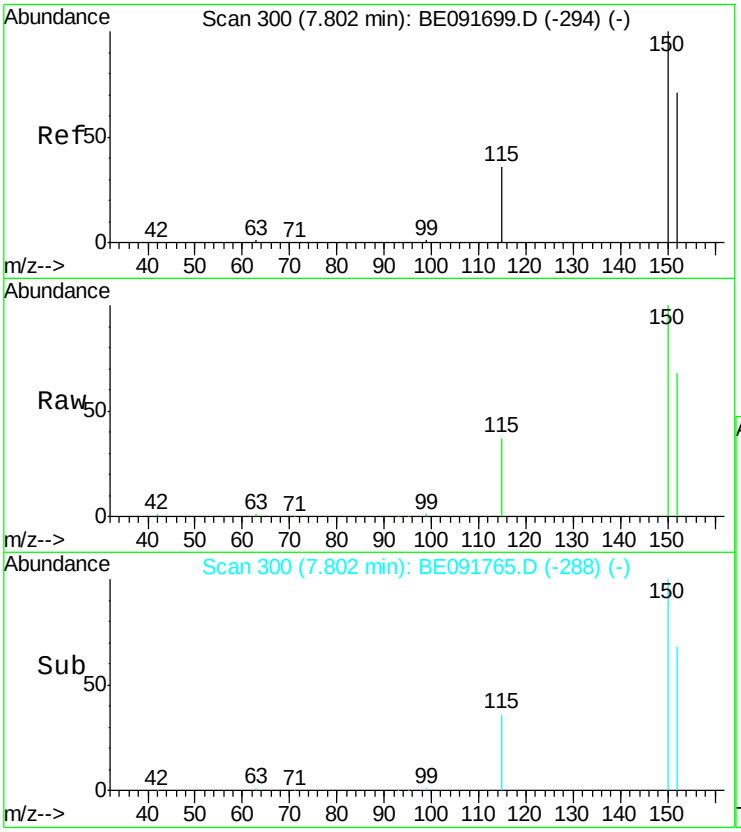
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051016\
Data File : BE091765.D
Acq On : 10 May 2016 20:31
Operator : UM/SJ
Sample : H2912-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Quant Time: May 11 01:18:57 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



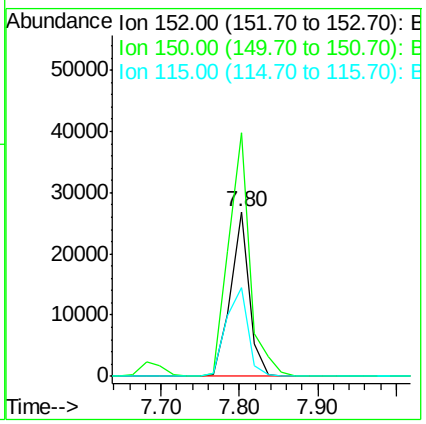


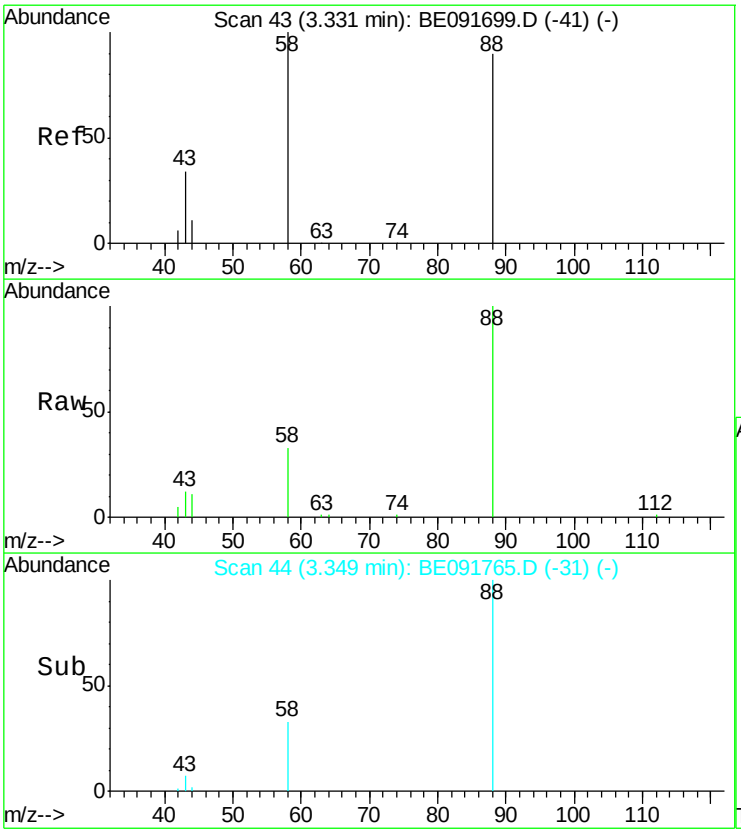
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:152 Resp: 44235

Ion	Ratio	Lower	Upper
152	100		
150	147.7	122.6	183.8
115	54.0	52.8	79.2

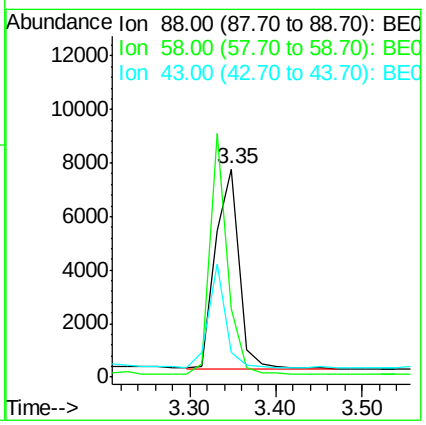


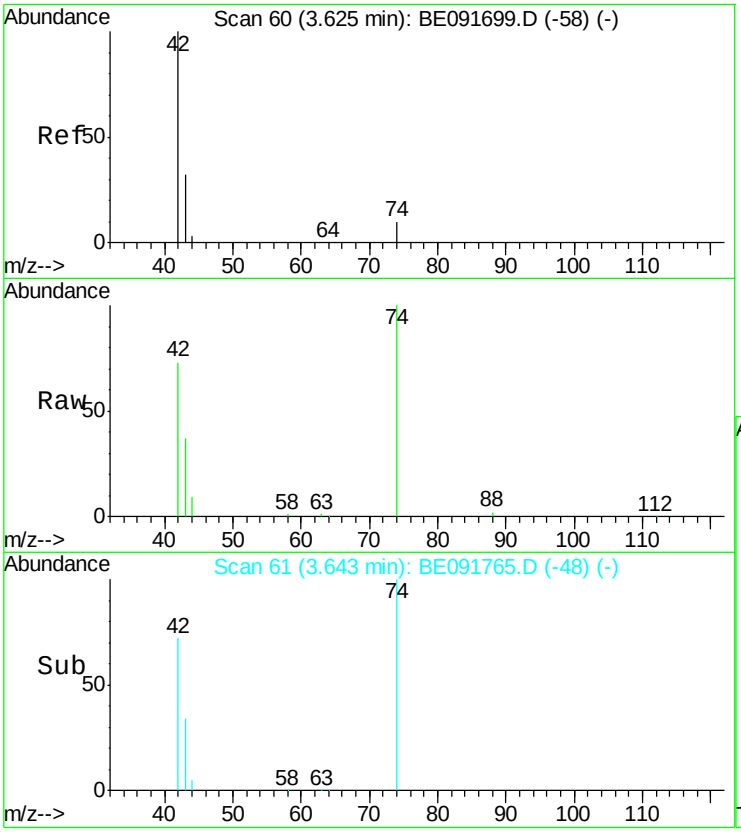


#2
1,4-Dioxane
Concen: 2.73 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion: 88 Resp: 14263

Ion	Ratio	Lower	Upper
88	100		
58	88.9	65.8	98.6
43	38.0	25.3	37.9#



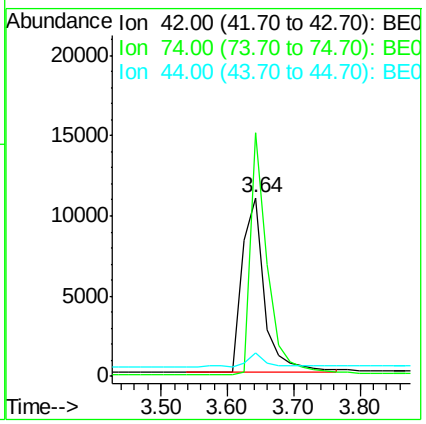


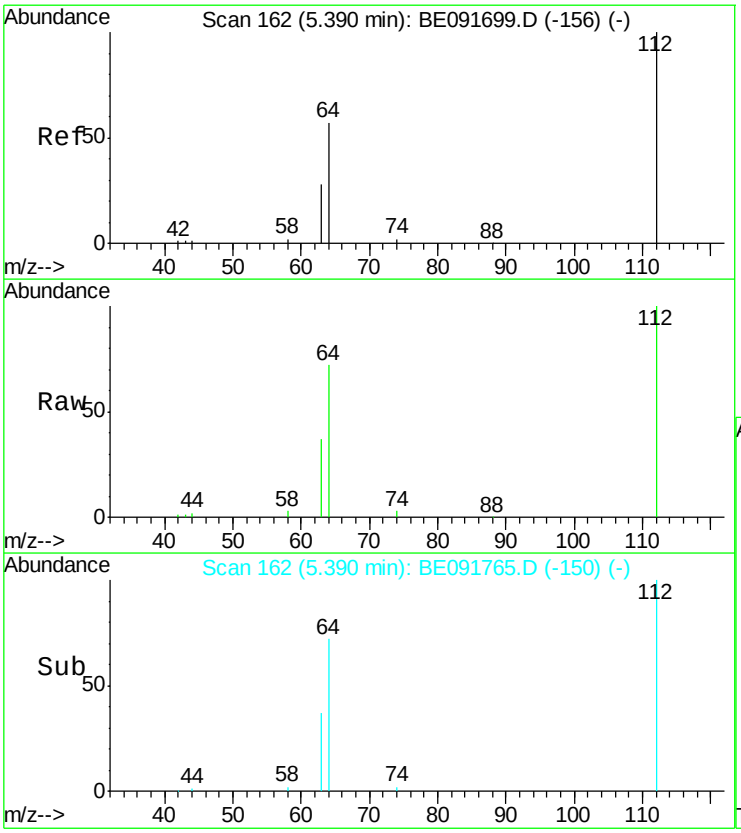
#3
n-Nitrosodimethylamine
Concen: 3.18 ng
RT: 3.64 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion: 42 Resp: 25562

Ion	Ratio	Lower	Upper
42	100		
74	106.4	87.9	131.9
44	6.5	6.6	9.8#

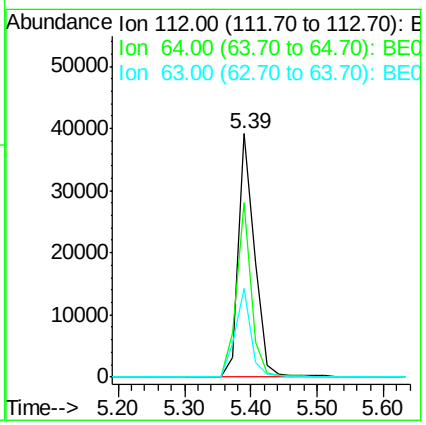


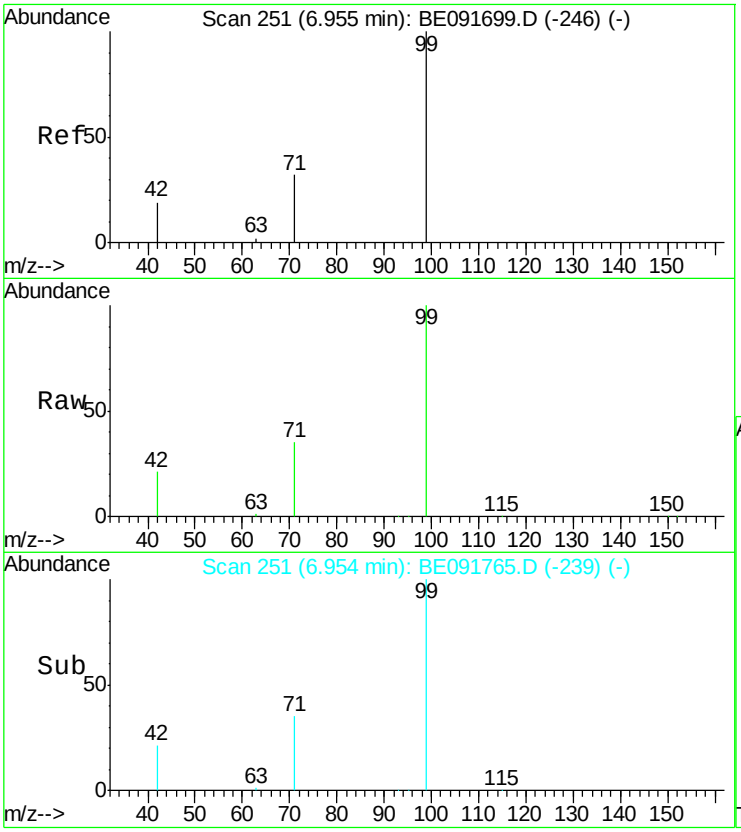


#4
2-Fluorophenol
Concen: 6.08 ng
RT: 5.39 min Scan# 162
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:112 Resp: 66097

Ion	Ratio	Lower	Upper
112	100		
64	66.3	30.9	46.3#
63	35.5	16.7	25.1#



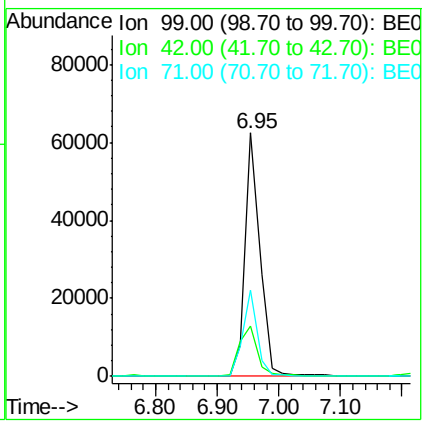


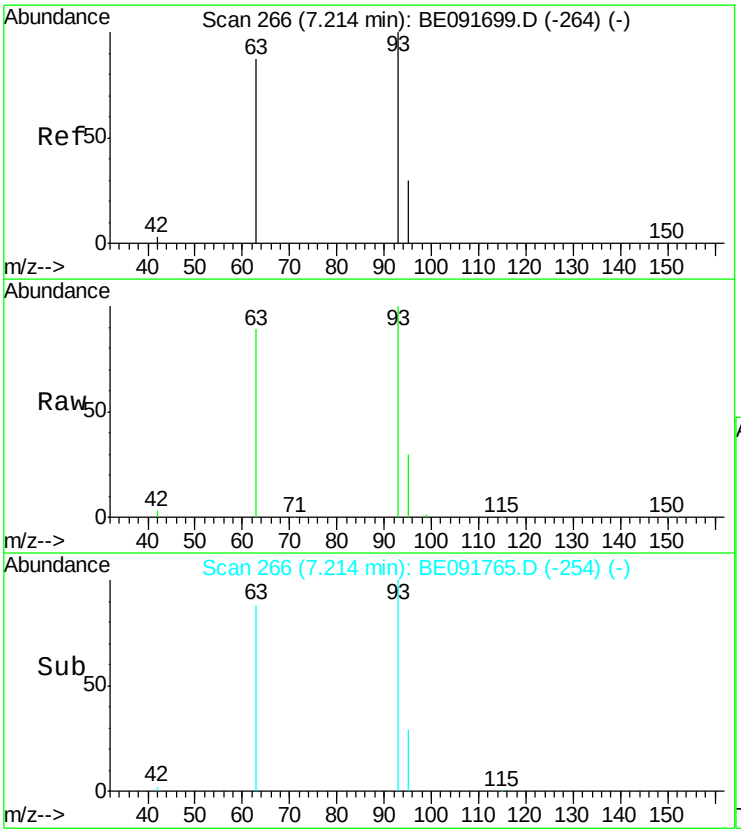
#5
Phenol-d6
Concen: 7.26 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion: 99 Resp: 104551

Ion	Ratio	Lower	Upper
99	100		
42	24.5	16.2	24.2#
71	35.0	29.0	43.4

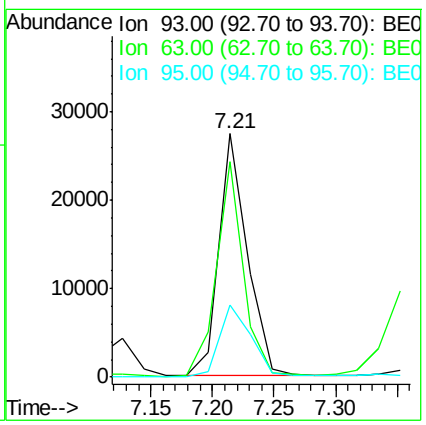


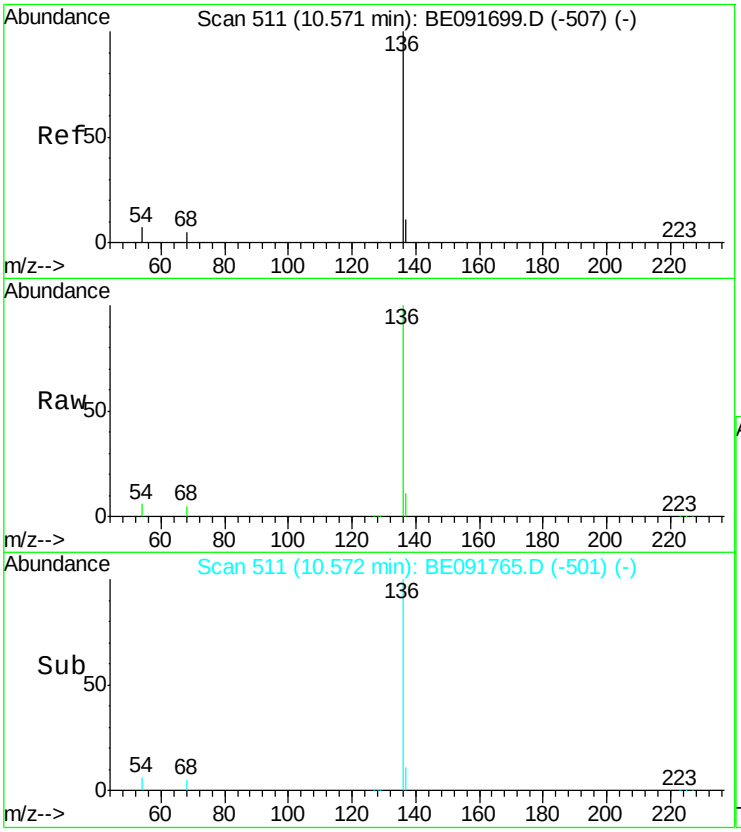


#6
bis(2-Chloroethyl)ether
Concen: 3.48 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion: 93 Resp: 44061

Ion	Ratio	Lower	Upper
93	100		
63	84.3	49.5	74.3#
95	32.6	22.2	33.4



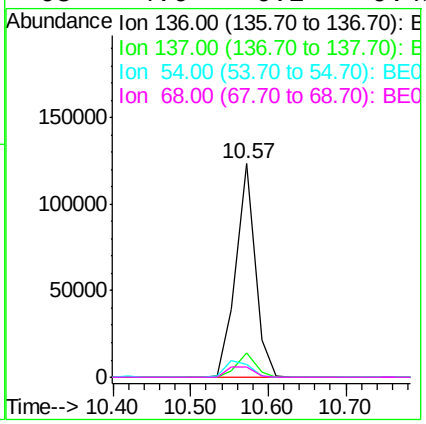


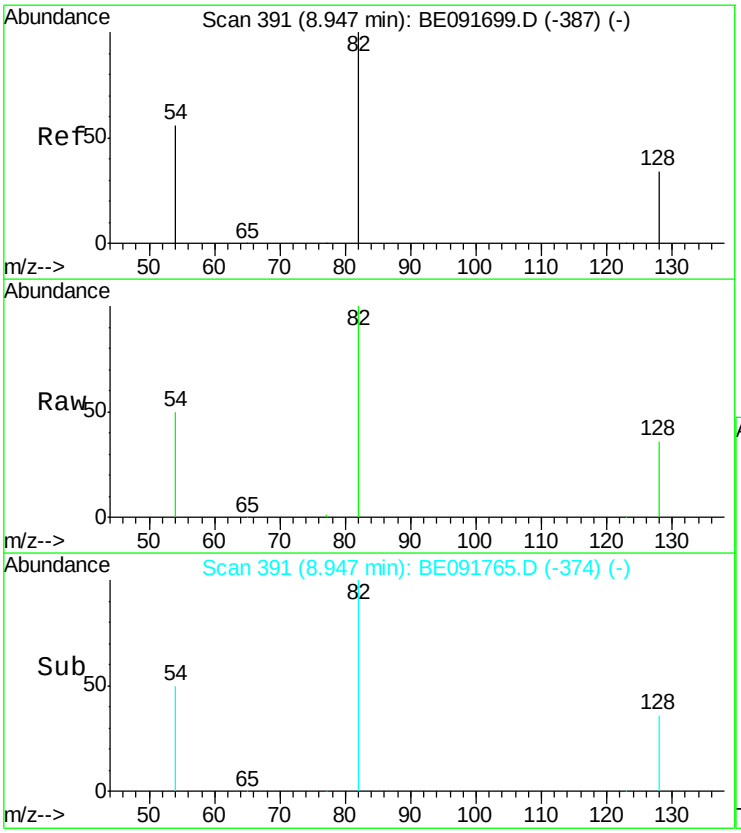
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:136 Resp: 213736

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	5.9	8.2	12.4#
68	4.6	6.2	9.4#

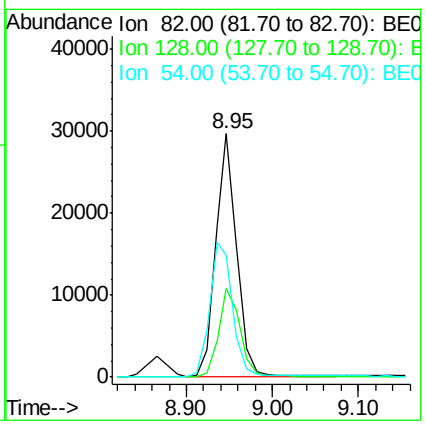


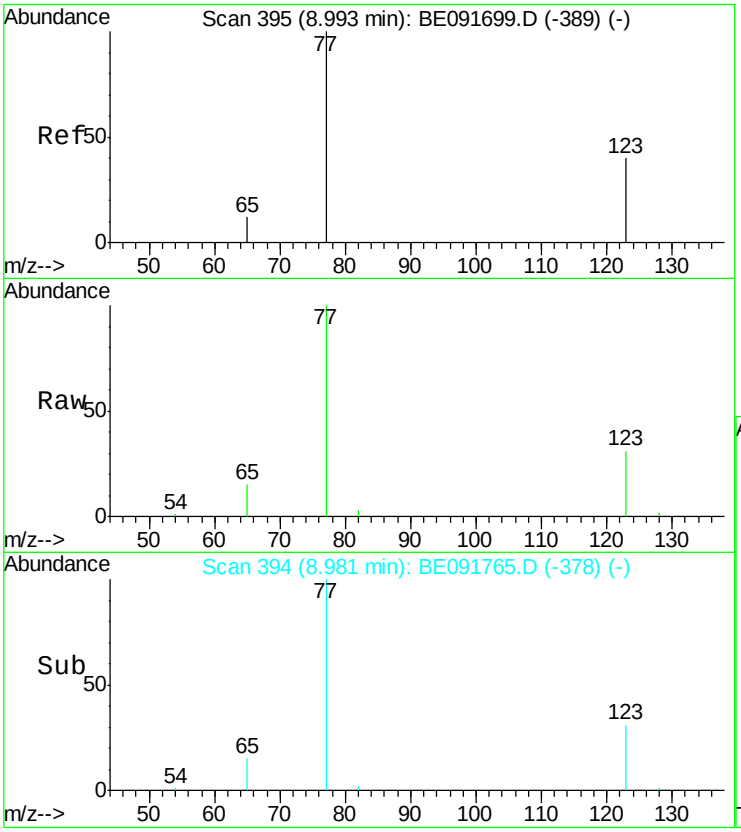


#8
Nitrobenzene-d5
Concen: 3.63 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion: 82 Resp: 50099

Ion	Ratio	Lower	Upper
82	100		
128	36.4	25.4	38.0
54	50.0	48.4	72.6



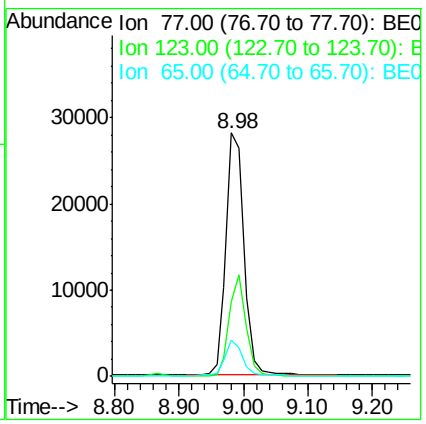


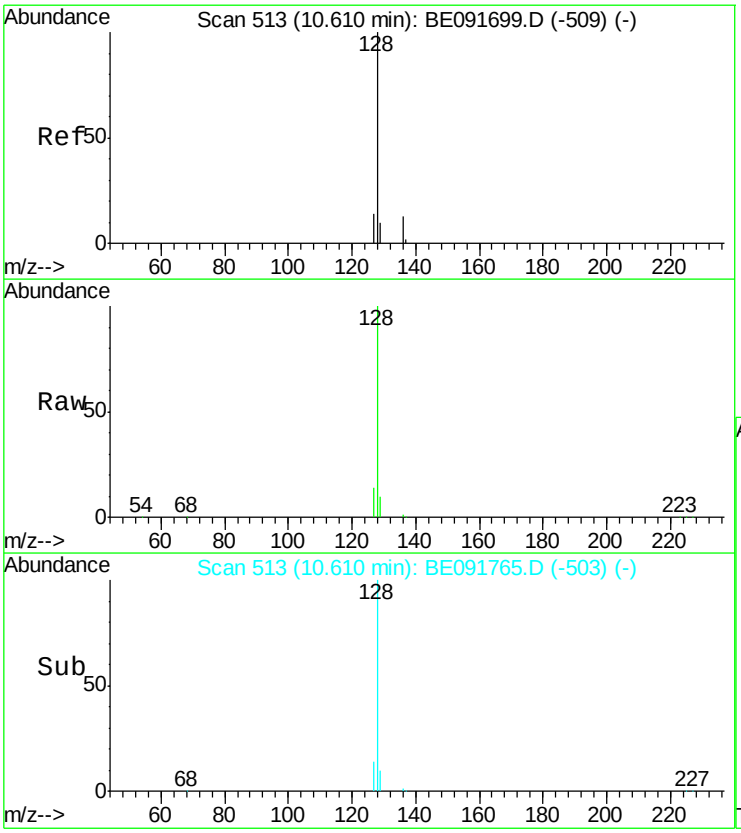
#9
Nitrobenzene
Concen: 3.76 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion: 77 Resp: 54279

Ion	Ratio	Lower	Upper
77	100		
123	38.3	26.9	40.3
65	14.0	9.4	14.2

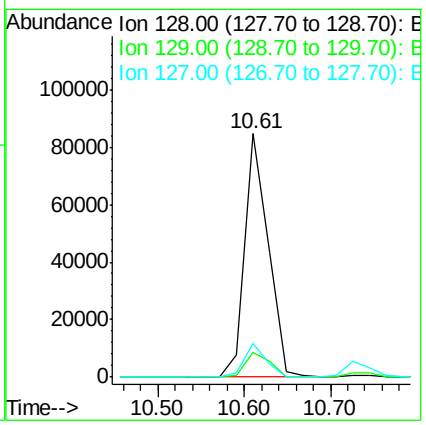


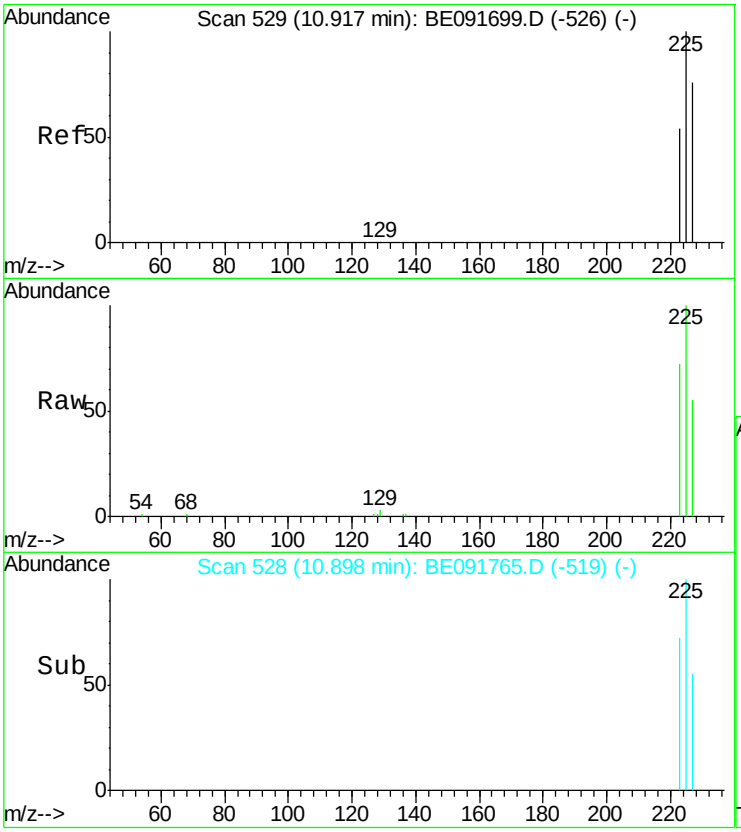


#10
Naphthalene
Concen: 3.69 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:128 Resp: 159239

Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.3	13.9
127	14.0	10.7	16.1



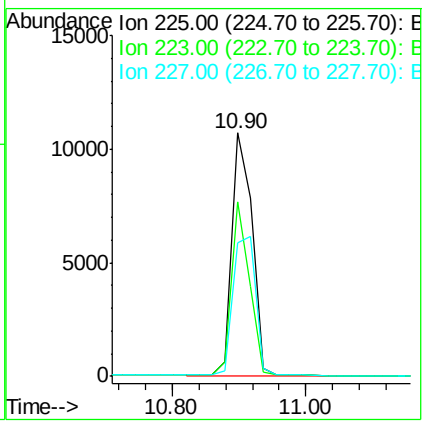


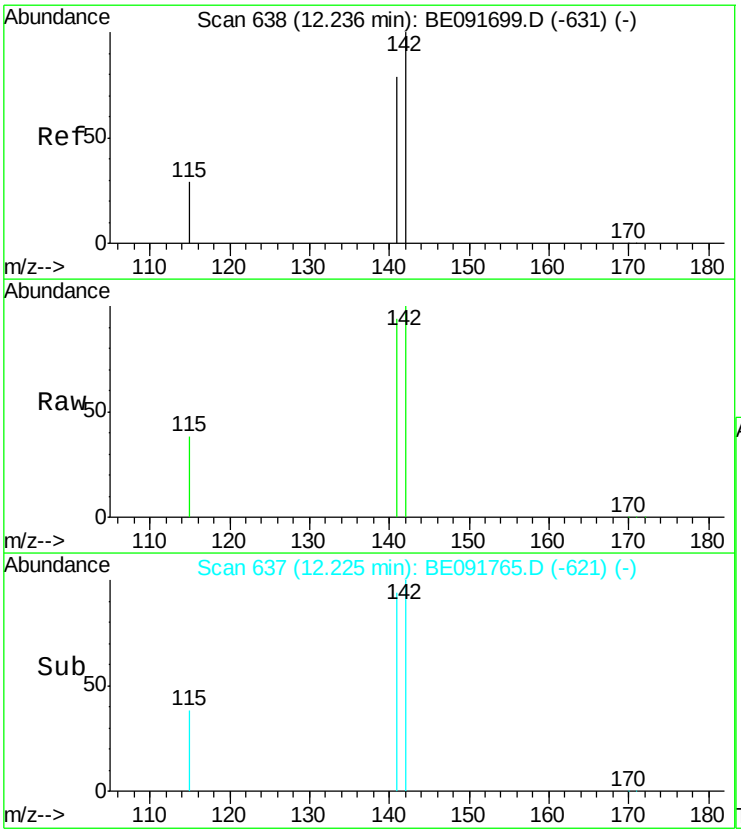
#11
Hexachlorobutadiene
Concen: 3.80 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:225 Resp: 24245

Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.0	73.6
227	65.2	50.3	75.5

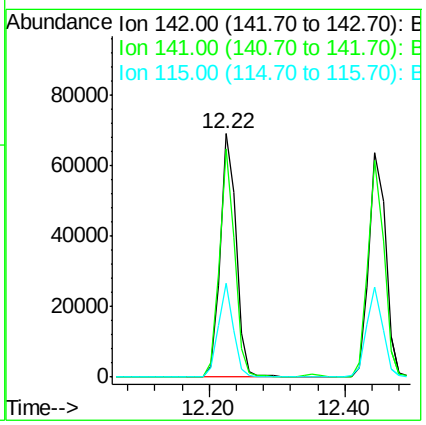


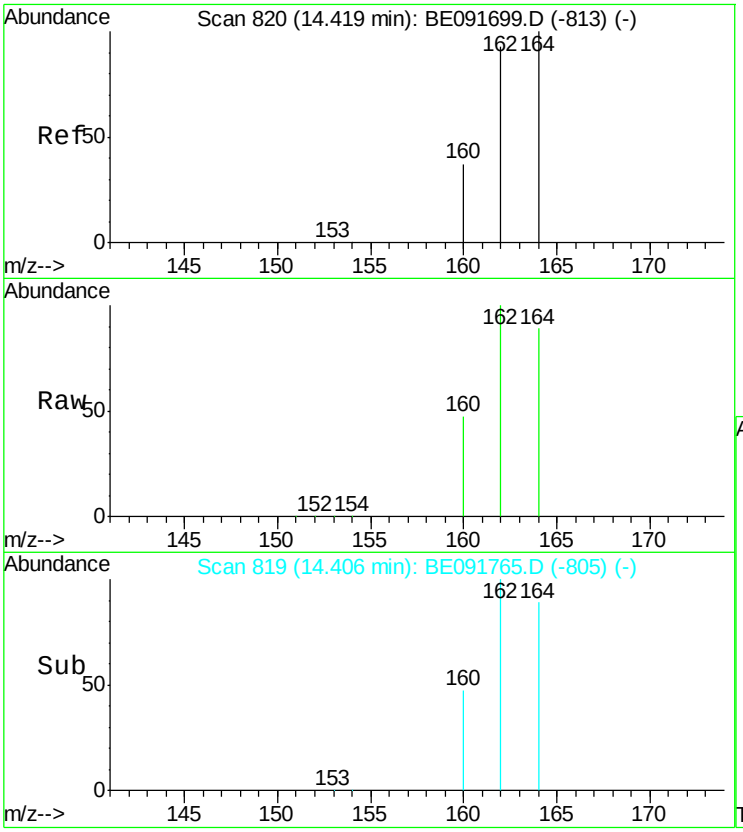


#12
2-Methylnaphthalene
Concen: 4.15 ng
RT: 12.22 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:142 Resp: 115164

Ion	Ratio	Lower	Upper
142	100		
141	93.5	71.4	107.0
115	38.5	30.3	45.5



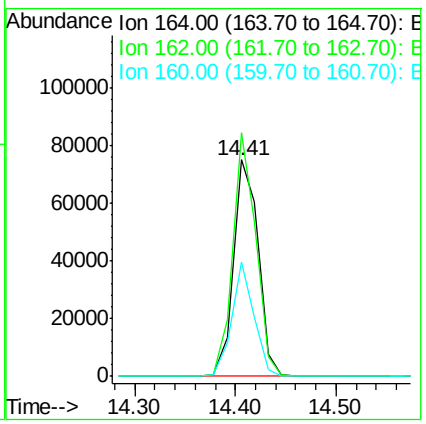


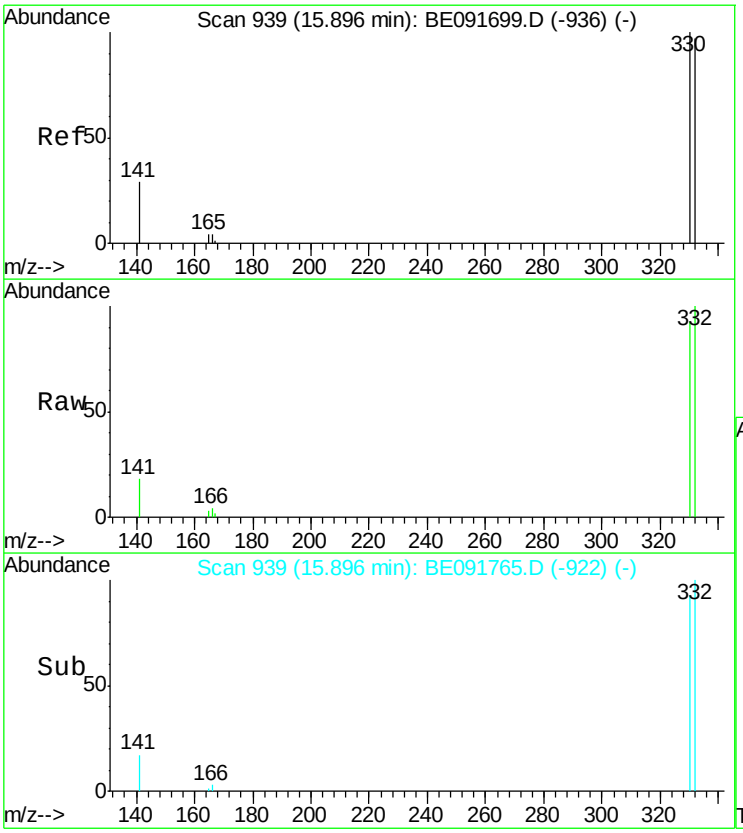
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:164 Resp: 127245

Ion	Ratio	Lower	Upper
164	100		
162	112.4	85.3	127.9
160	52.7	46.2	69.2

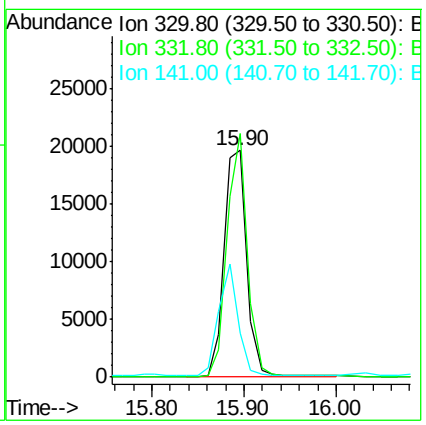


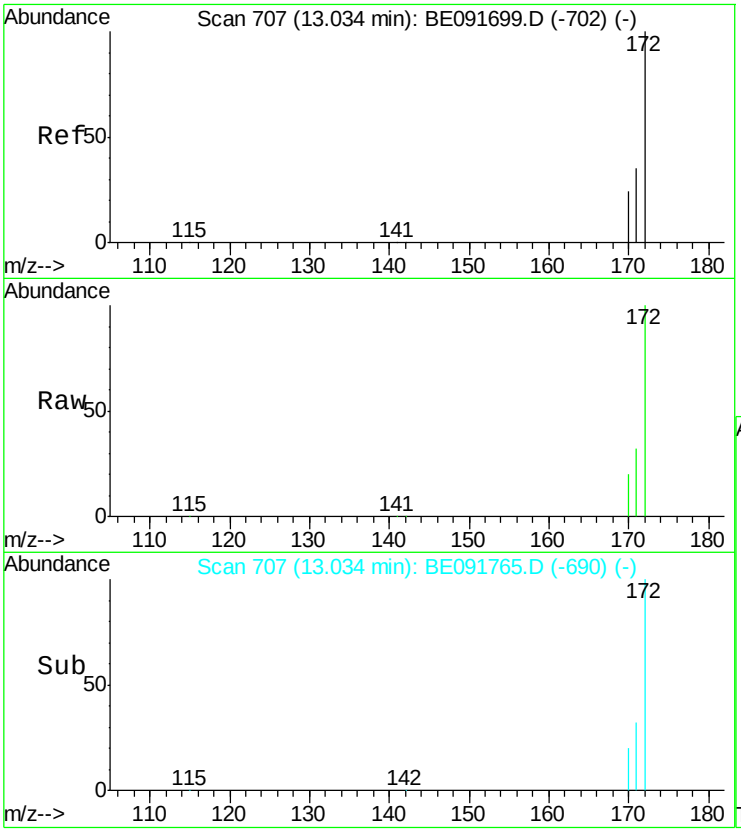


#14
2,4,6-Tribromophenol
Concen: 7.13 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:330 Resp: 33709

Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	42.2	125.4	188.0#



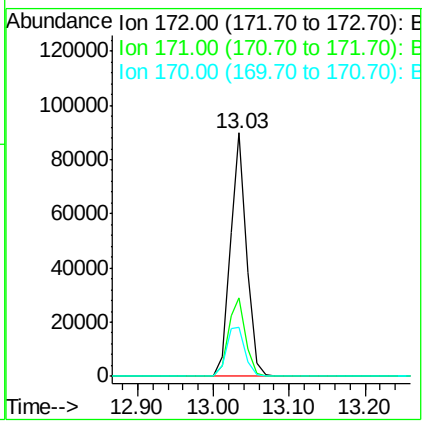


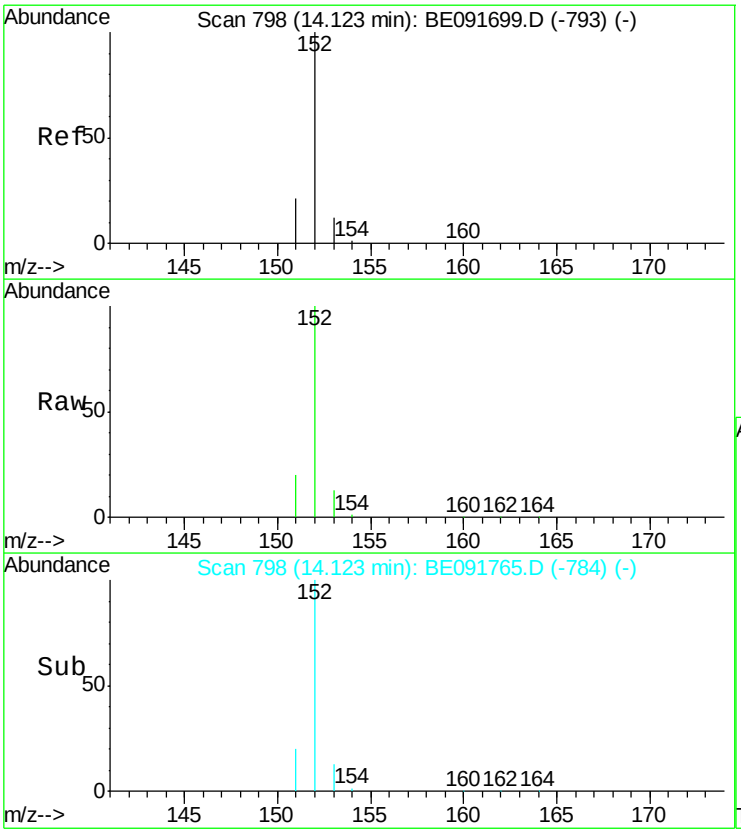
#15
2-Fluorobiphenyl
Concen: 3.76 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:172 Resp: 135348

Ion	Ratio	Lower	Upper
172	100		
171	32.1	28.8	43.2
170	20.2	19.3	28.9

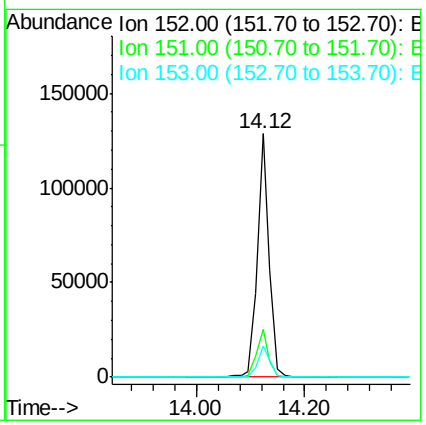


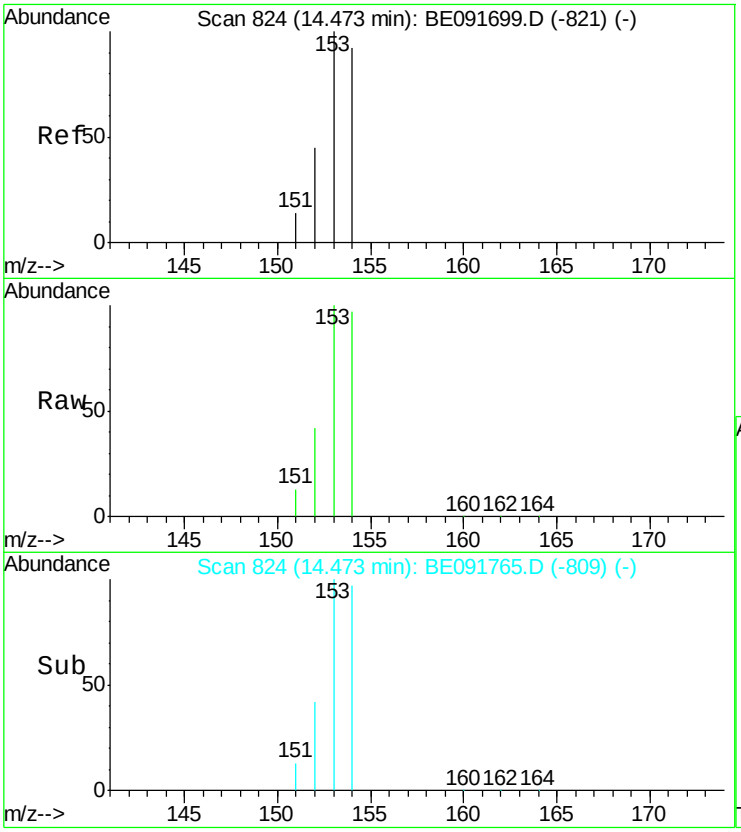


#16
Acenaphthylene
Concen: 4.26 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:152 Resp: 208489

Ion	Ratio	Lower	Upper
152	100		
151	20.0	3.9	5.9#
153	13.5	10.3	15.5



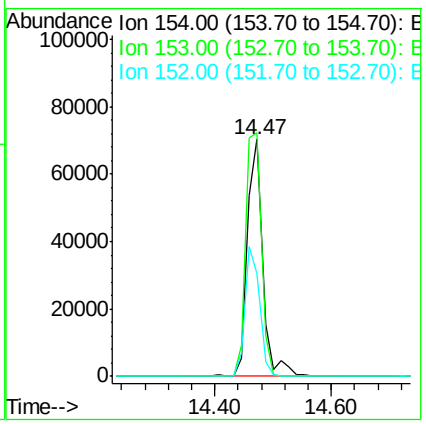


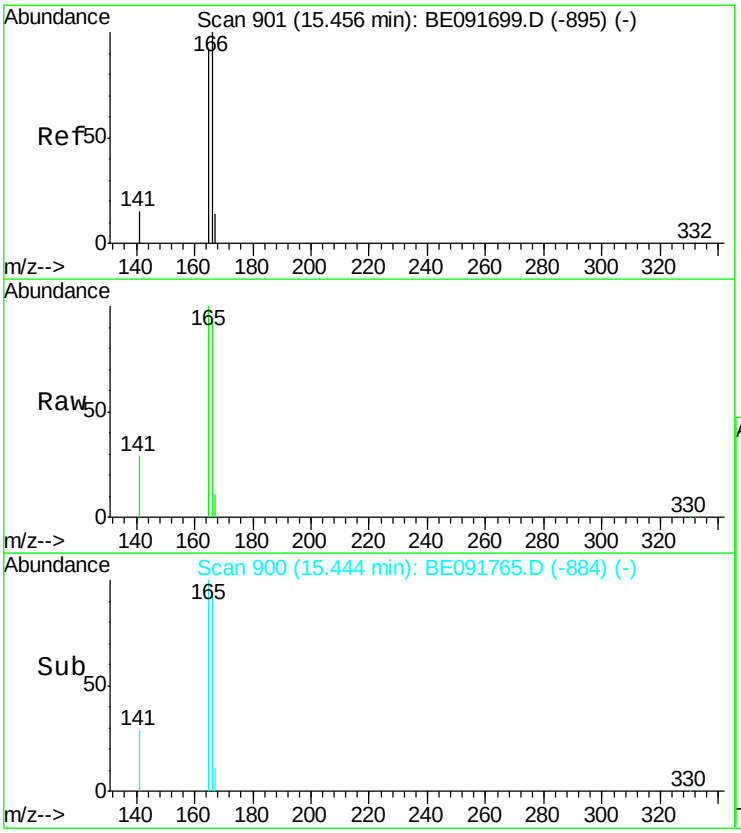
#17
Acenaphthene
Concen: 3.95 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:154 Resp: 125410

Ion	Ratio	Lower	Upper
154	100		
153	106.3	80.0	120.0
152	51.8	40.0	60.0

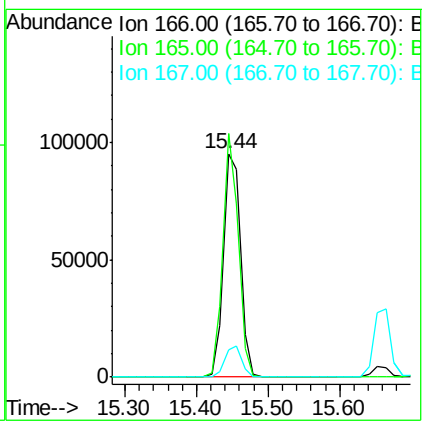


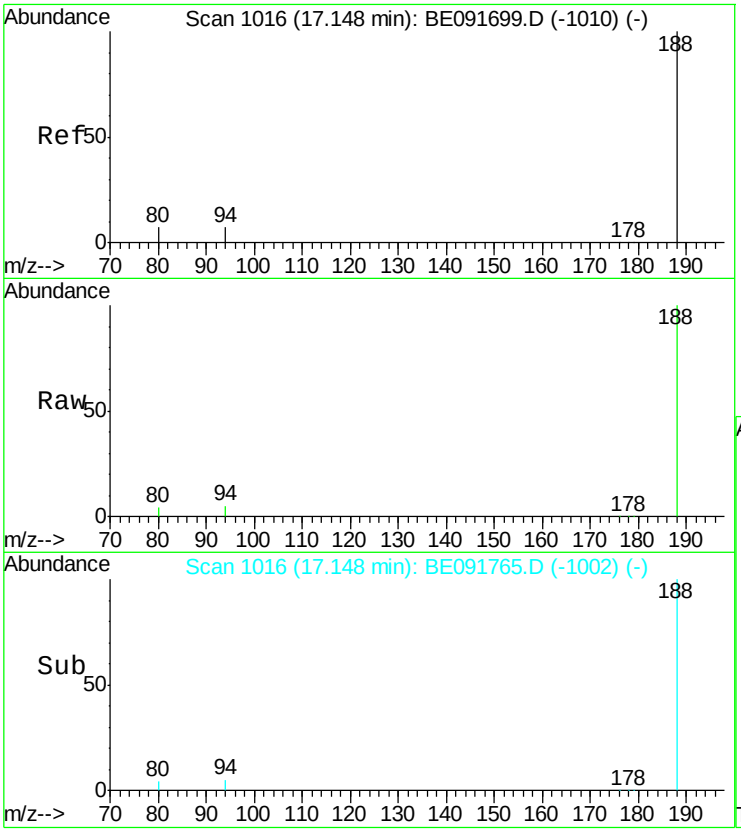


#18
Fluorene
Concen: 3.99 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:166 Resp: 157238

Ion	Ratio	Lower	Upper
166	100		
165	98.7	80.8	121.2
167	13.5	10.9	16.3



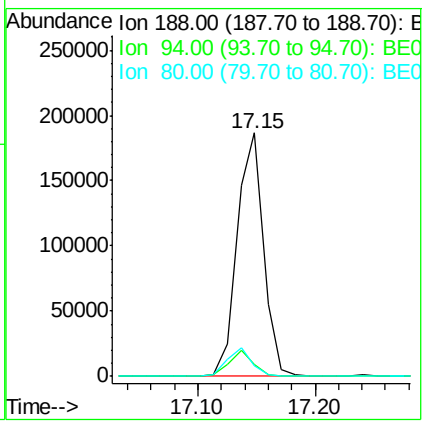


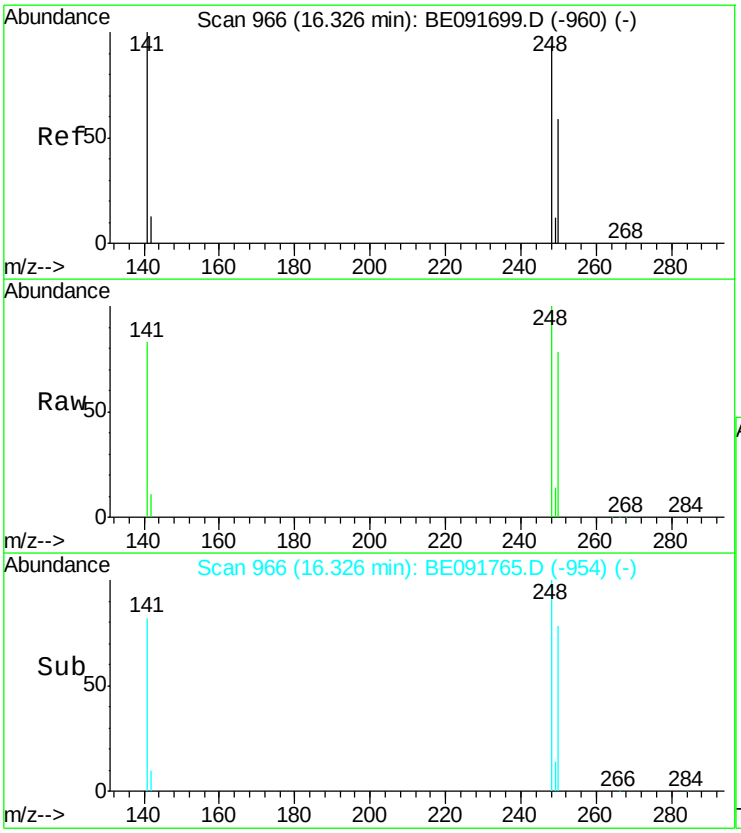
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:188 Resp: 292335

Ion	Ratio	Lower	Upper
188	100		
94	5.0	8.7	13.1#
80	4.3	9.4	14.0#

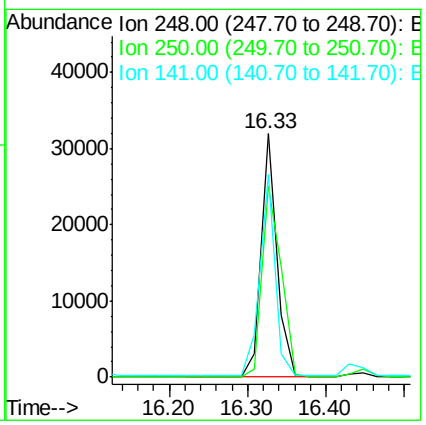


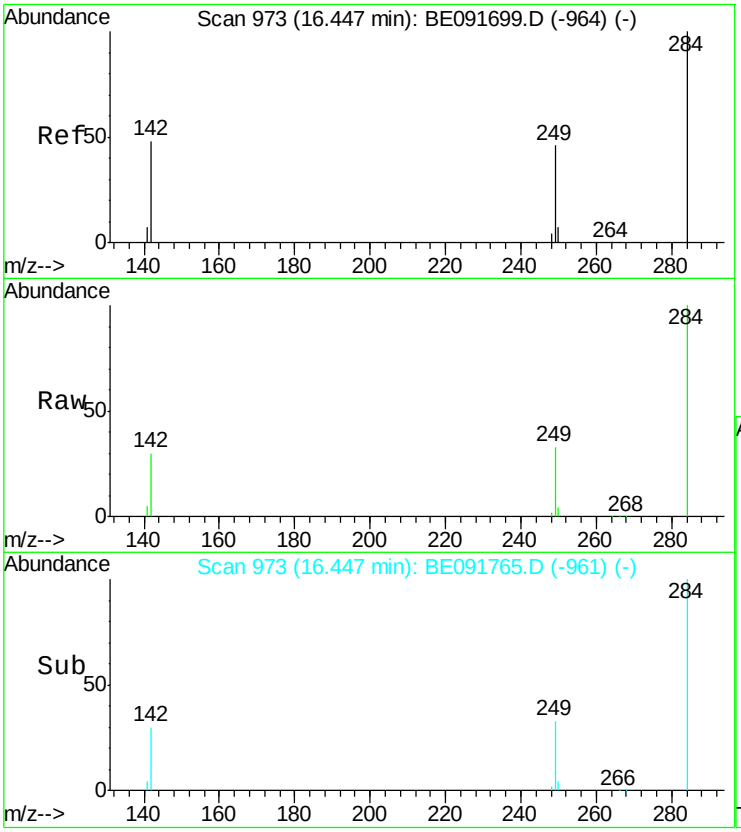


#20
4-Bromophenyl-phenylether
Concen: 4.28 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:248 Resp: 45014

Ion	Ratio	Lower	Upper
248	100		
250	94.7	80.5	120.7
141	81.0	72.0	108.0



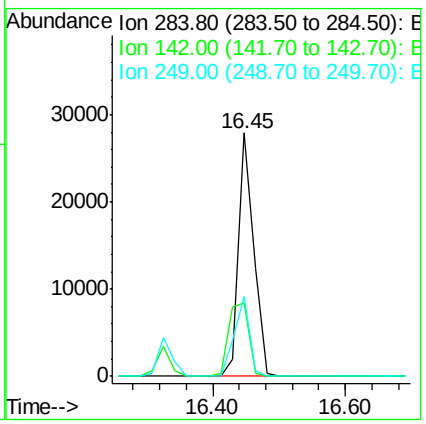


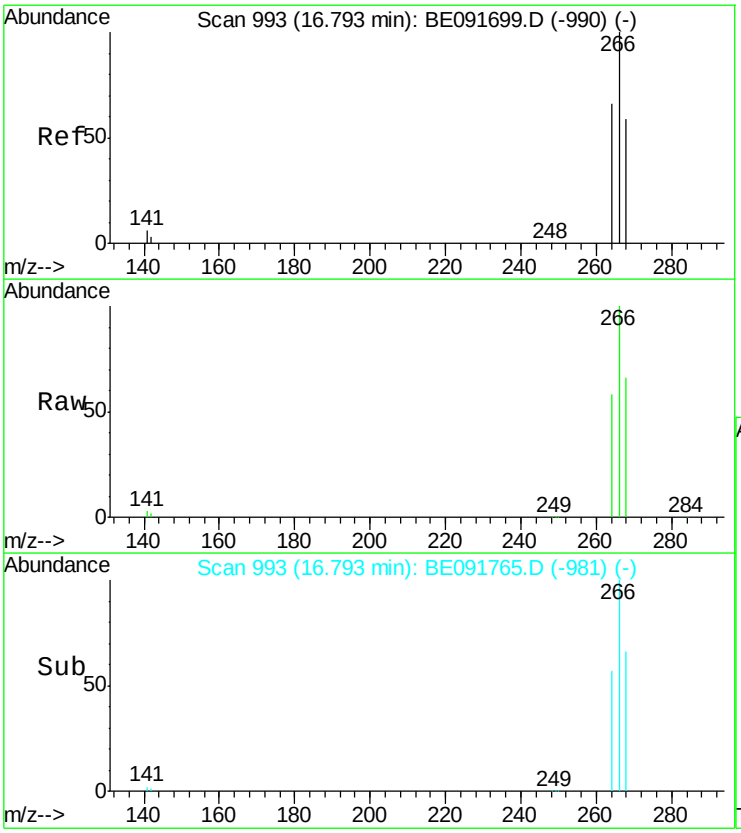
#21
Hexachlorobenzene
Concen: 4.19 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:284 Resp: 44094

Ion	Ratio	Lower	Upper
284	100		
142	39.4	32.2	48.2
249	32.6	25.4	38.2

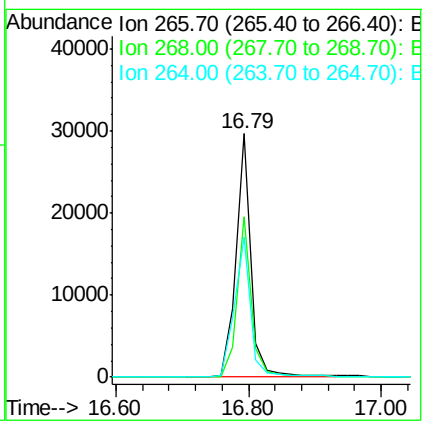


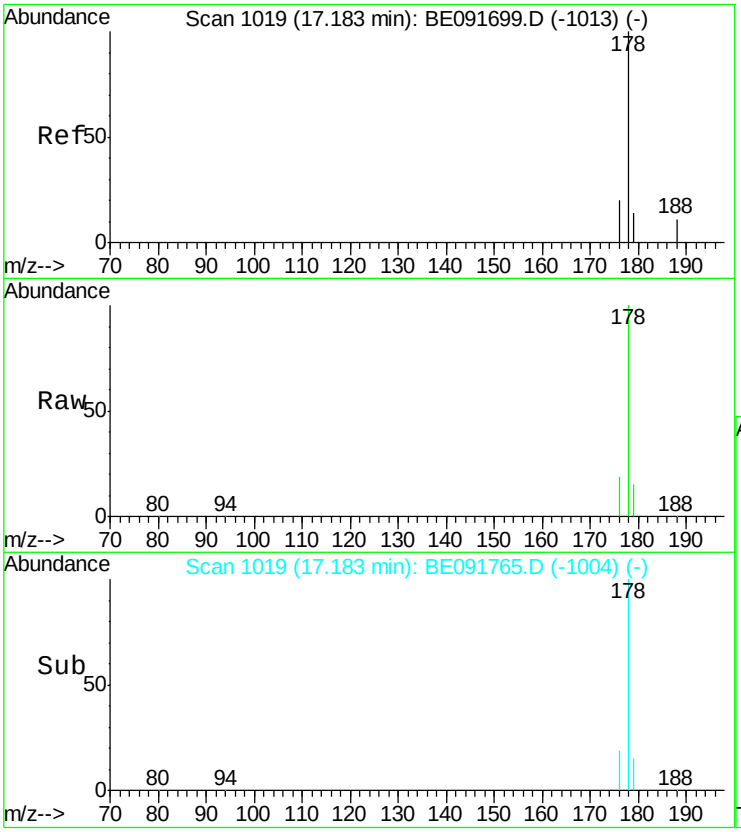


#22
Pentachlorophenol
Concen: 8.06 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:266 Resp: 45824

Ion	Ratio	Lower	Upper
266	100		
268	65.6	58.2	87.2
264	57.5	56.2	84.4



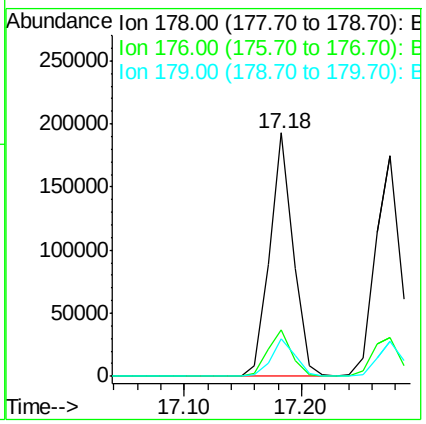


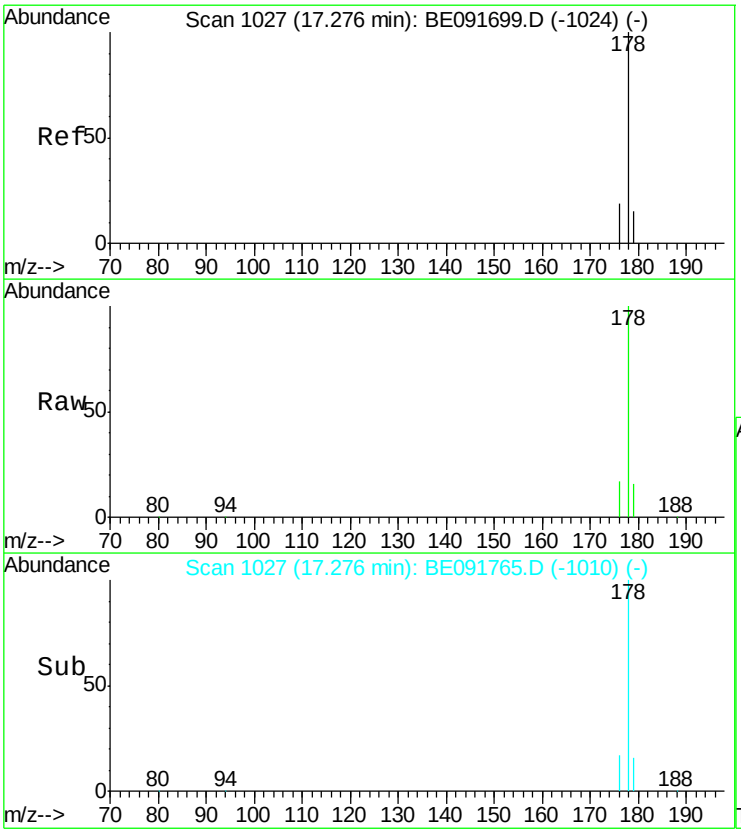
#23
Phenanthrene
Concen: 4.03 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:178 Resp: 267819

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.4	12.6	18.8

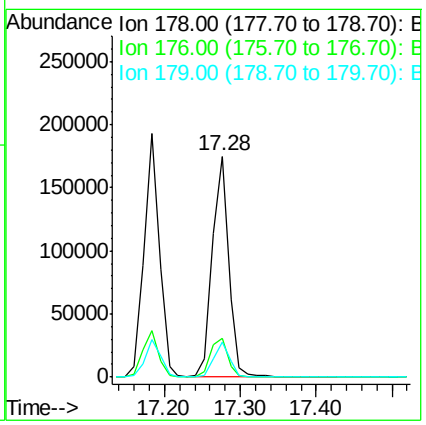


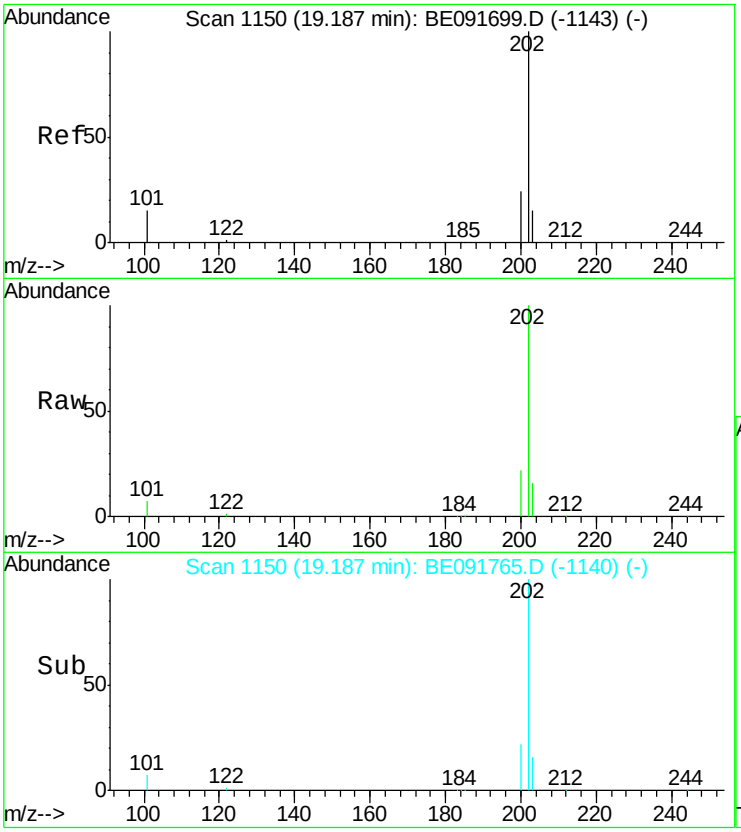


#24
Anthracene
Concen: 4.38 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:178 Resp: 262265

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.4	11.8	17.6



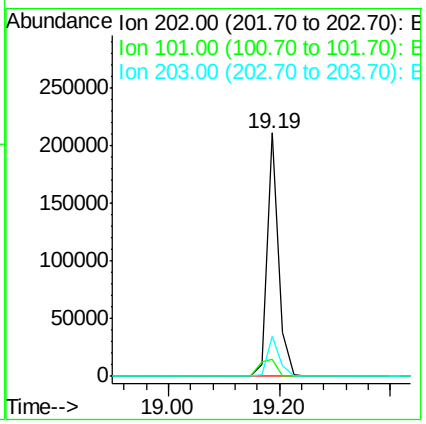


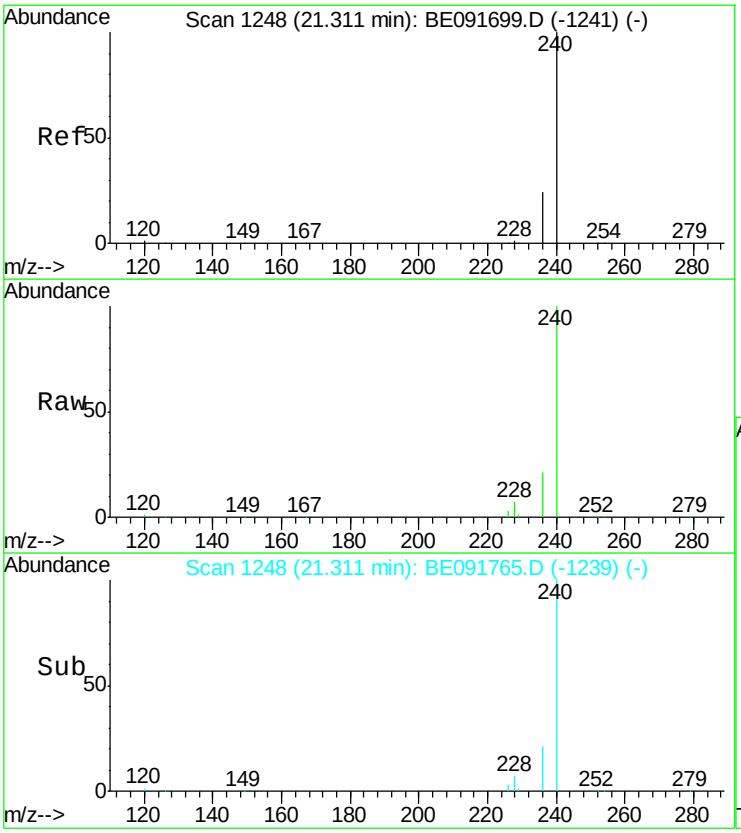
#25
Fluoranthene
Concen: 4.38 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:202 Resp: 304433

Ion	Ratio	Lower	Upper
202	100		
101	10.6	11.0	16.6#
203	17.4	13.9	20.9

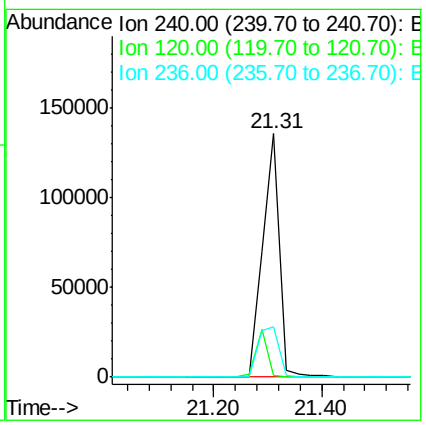


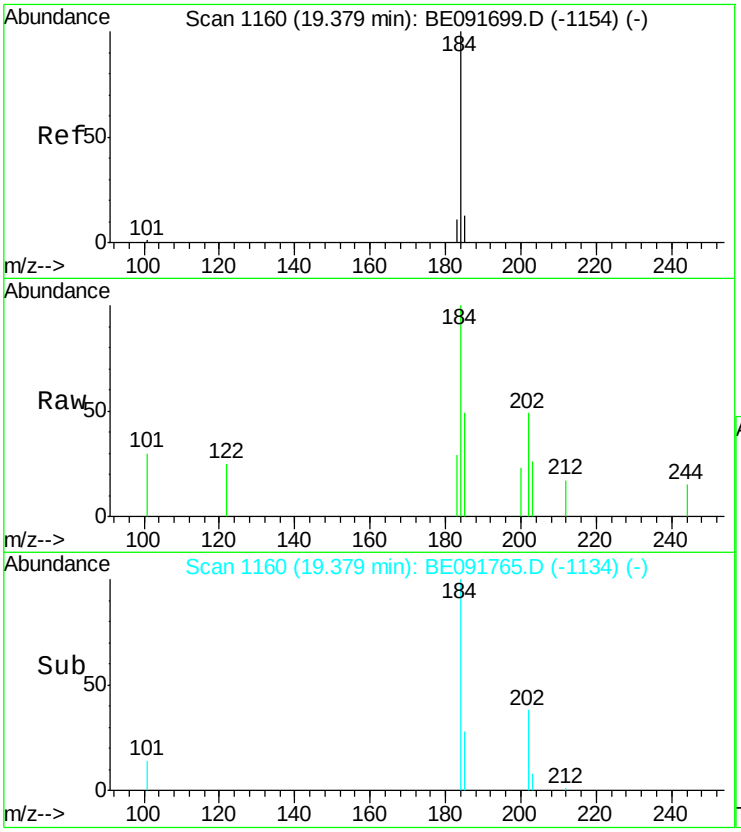


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:240 Resp: 293597

Ion	Ratio	Lower	Upper
240	100		
120	0.8	11.0	16.4#
236	20.8	21.7	32.5#



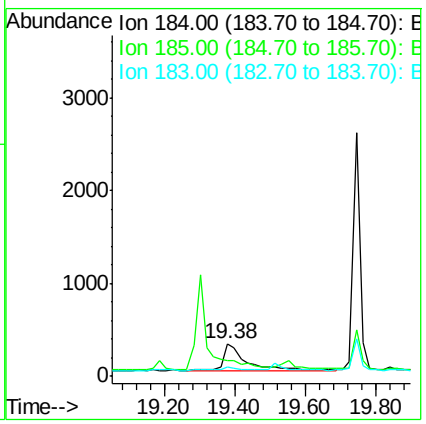


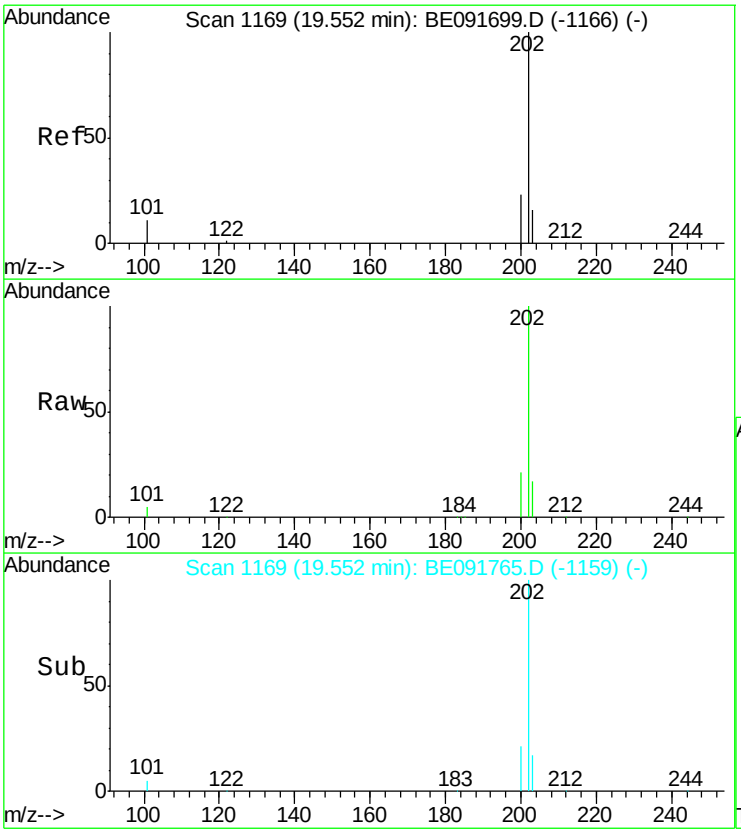
#27
Benzidine
Concen: 0.21 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:184 Resp: 1218

Ion	Ratio	Lower	Upper
184	100		
185	49.4	22.3	33.5#
183	28.9	16.4	24.6#

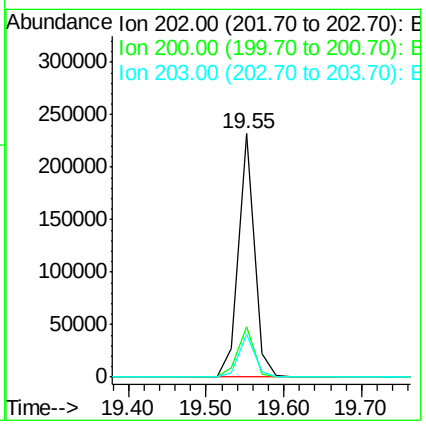


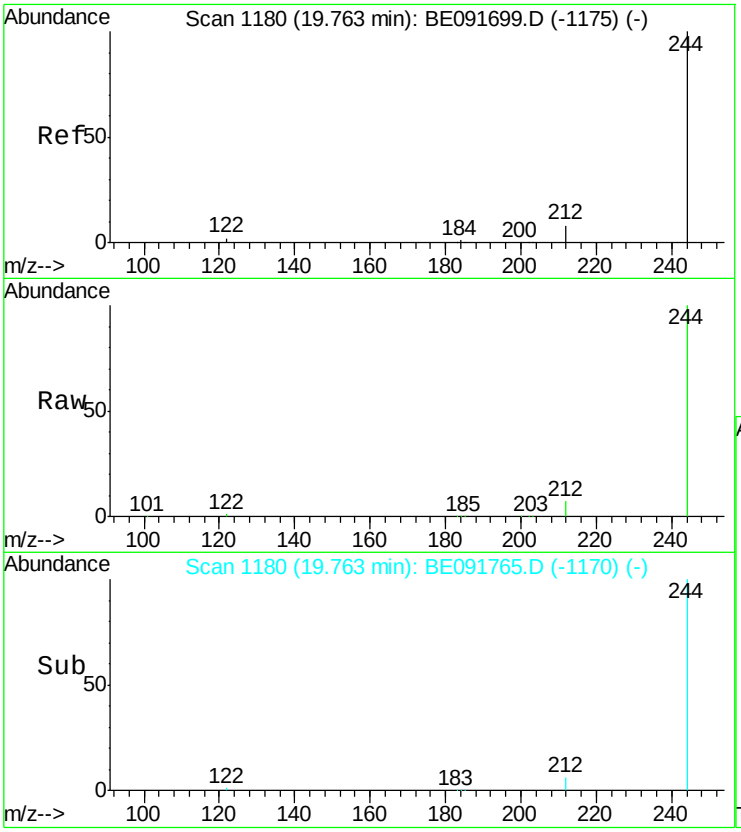


#28
Pyrene
Concen: 4.93 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:202 Resp: 327300

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



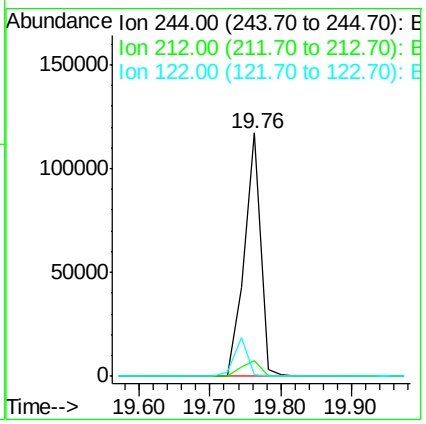


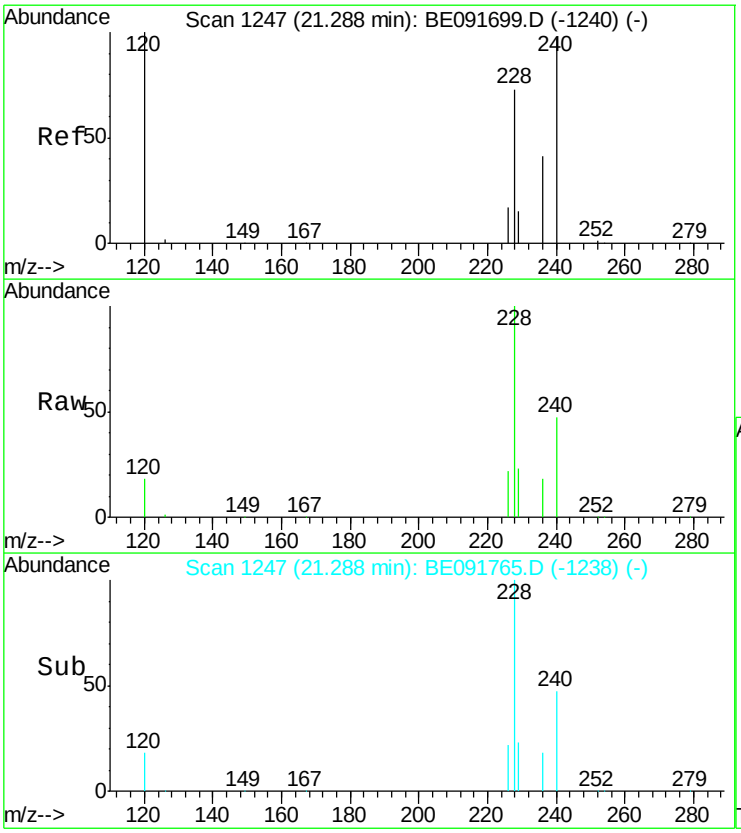
#29
Terphenyl-d14
Concen: 4.13 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:244 Resp: 189294

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.9	10.3#
122	0.8	11.0	16.4#

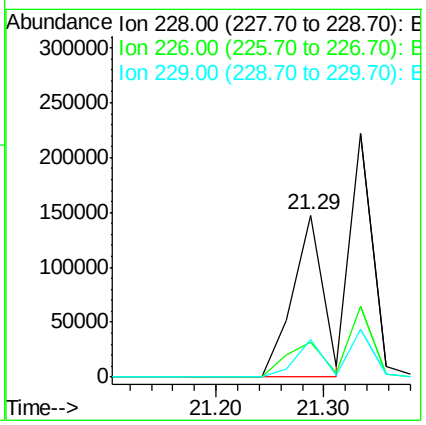


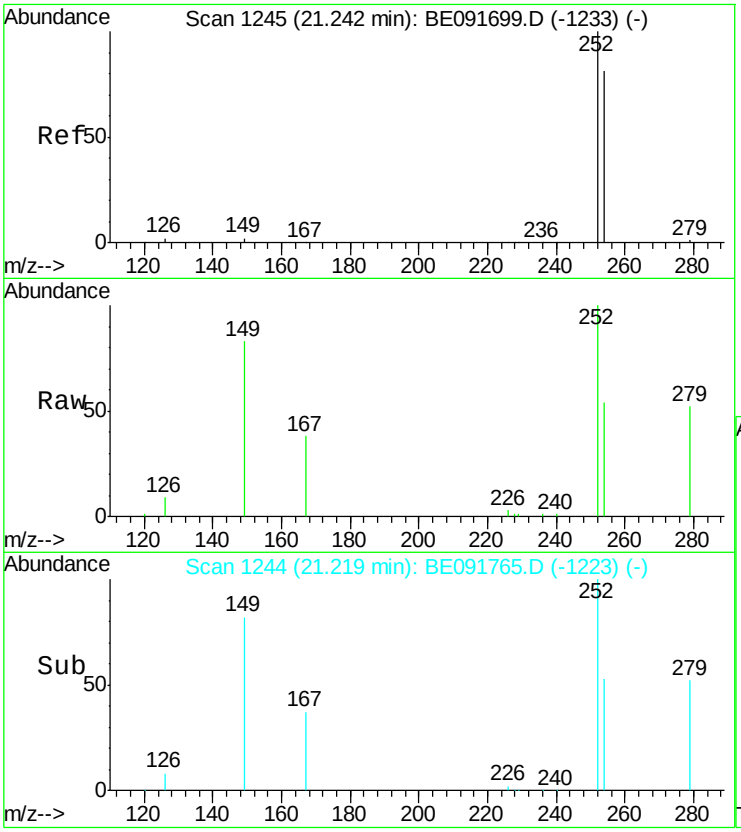


#30
Benzo(a)anthracene
Concen: 4.03 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:228 Resp: 288970

Ion	Ratio	Lower	Upper
228	100		
226	21.5	21.0	31.4
229	23.4	15.7	23.5



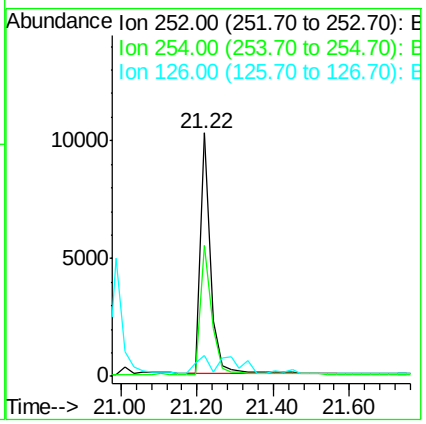


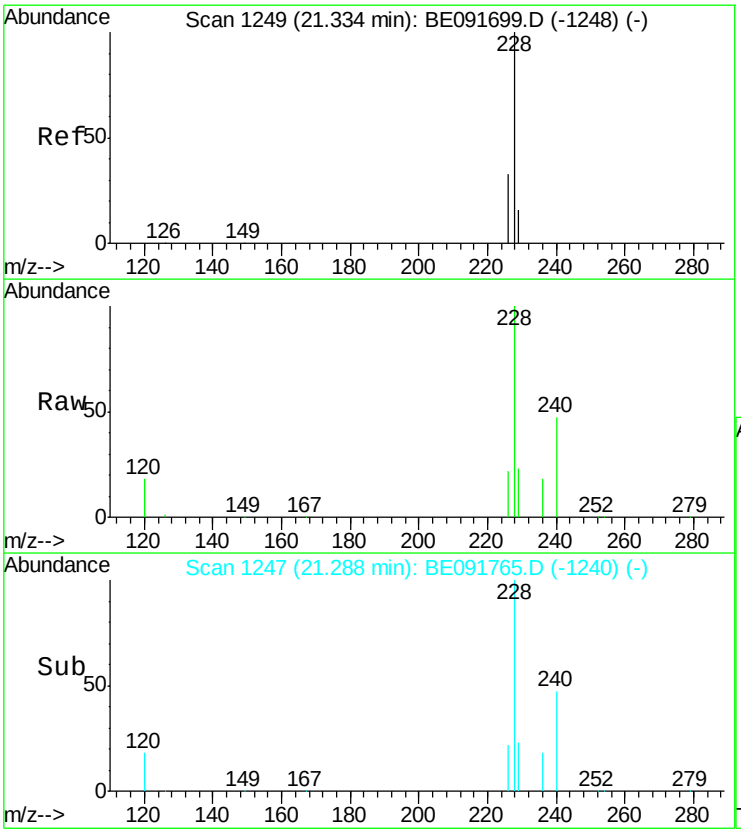
#31
3,3'-Dichlorobenzidine
Concen: 0.52 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:252 Resp: 18970

Ion	Ratio	Lower	Upper
252	100		
254	53.5	51.1	76.7
126	8.8	12.6	18.8#

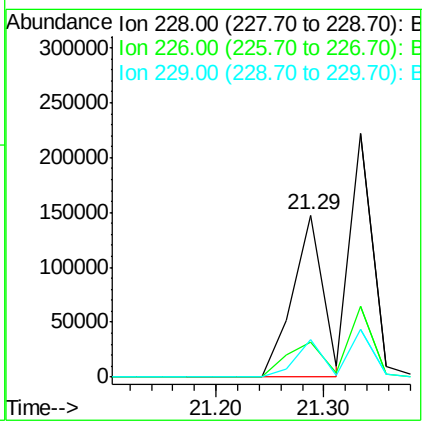


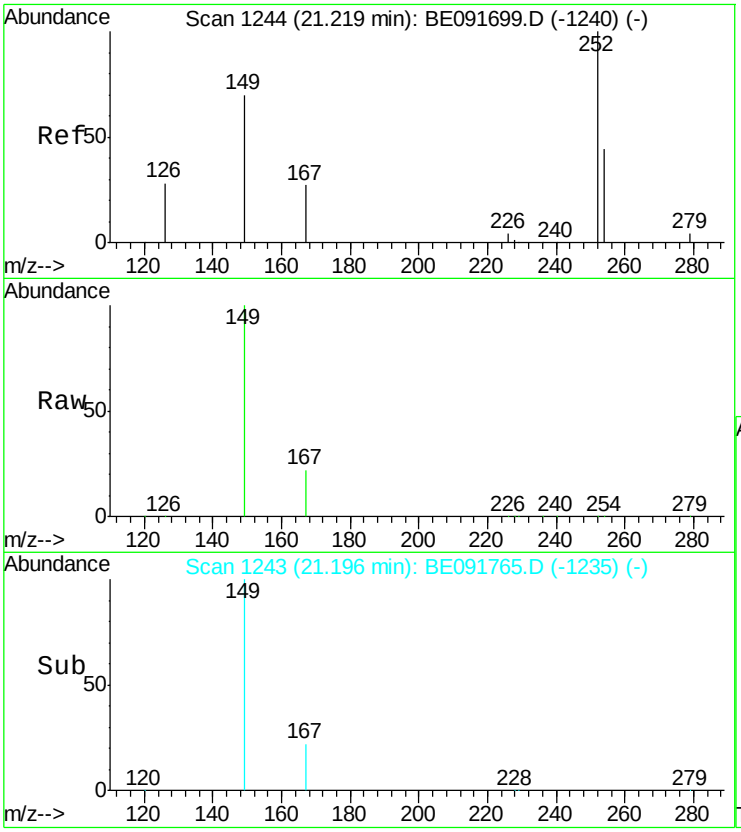


#32
Chrysene
Concen: 3.88 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.05 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:228 Resp: 288970

Ion	Ratio	Lower	Upper
228	100		
226	21.5	24.0	36.0#
229	23.4	15.9	23.9



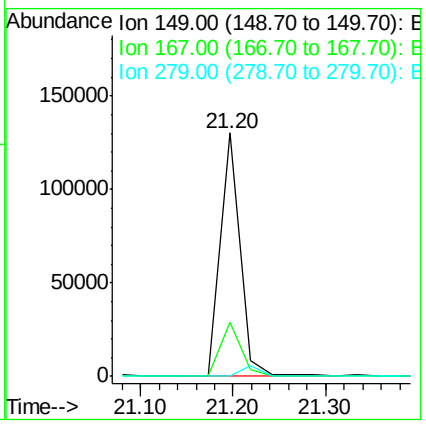


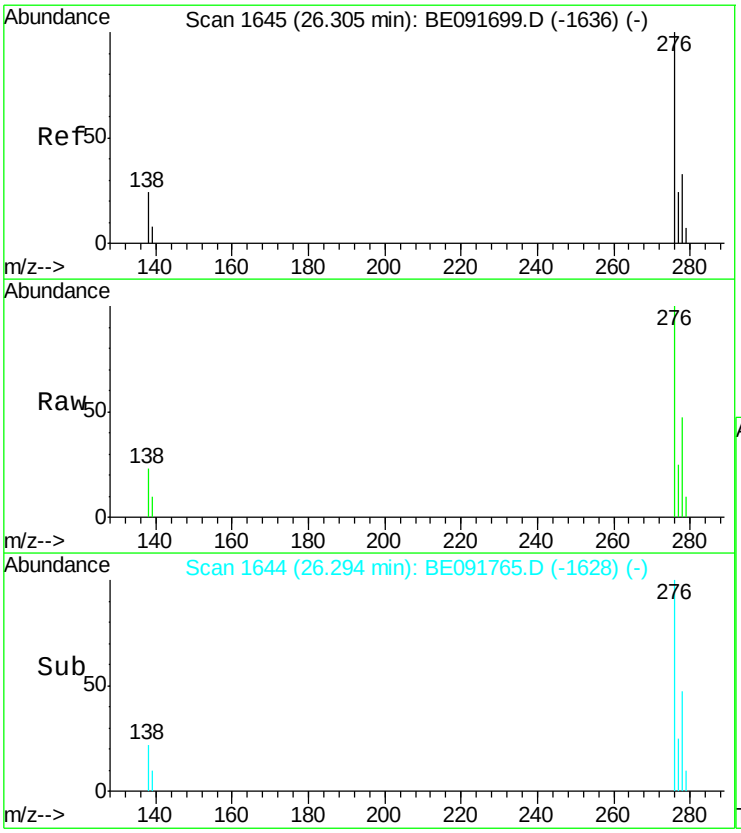
#33
Bis(2-ethylhexyl)phthalate
Concen: 8.90 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:149 Resp: 193423

Ion	Ratio	Lower	Upper
149	100		
167	23.4	19.5	29.3
279	0.0	10.0	15.0#

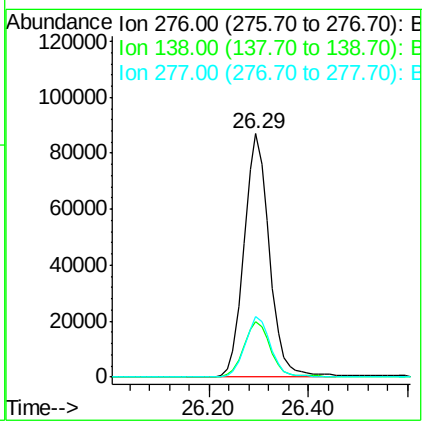


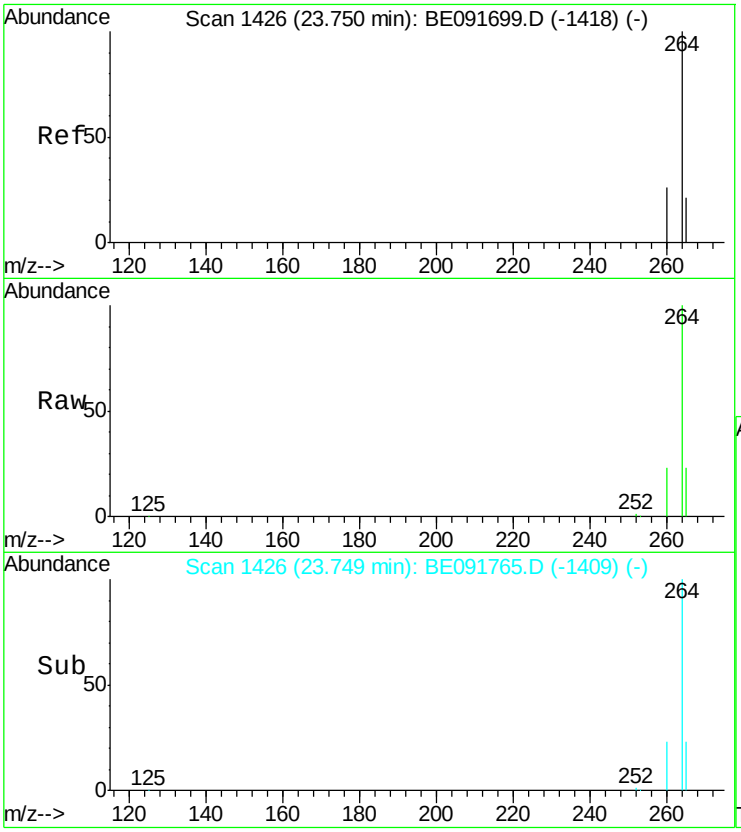


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.67 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:276 Resp: 309829

Ion	Ratio	Lower	Upper
276	100		
138	24.0	23.4	35.2
277	25.0	19.8	29.8



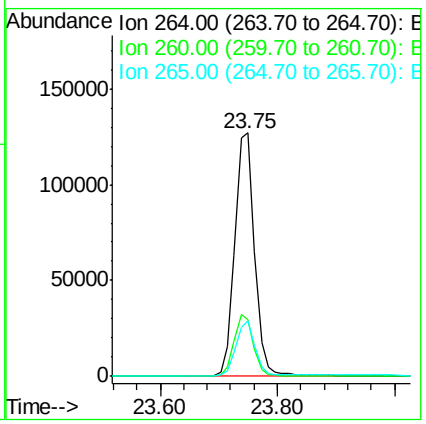


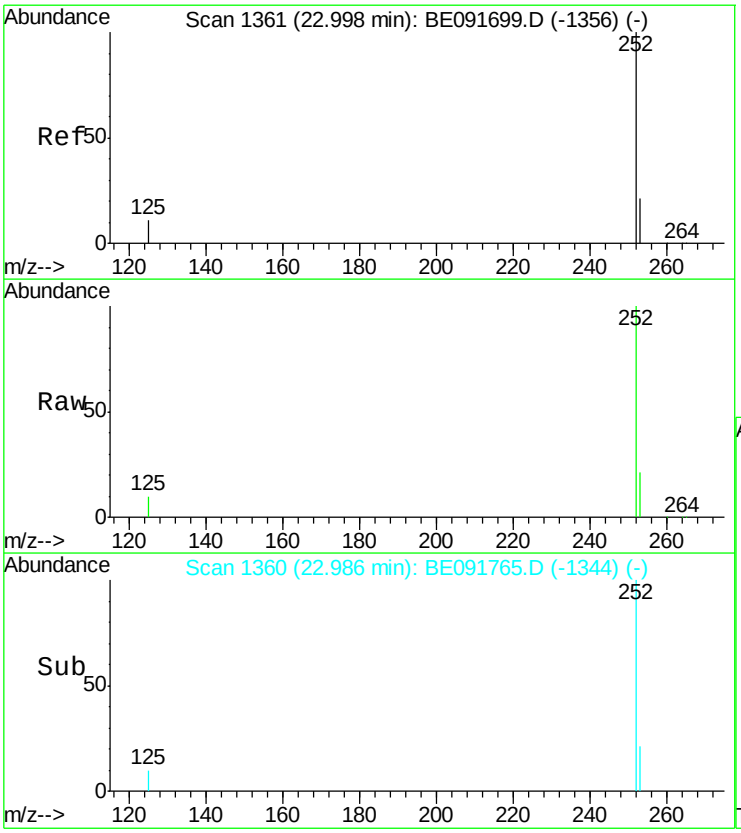
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:264 Resp: 298207

Ion	Ratio	Lower	Upper
264	100		
260	23.3	20.0	30.0
265	23.0	17.5	26.3

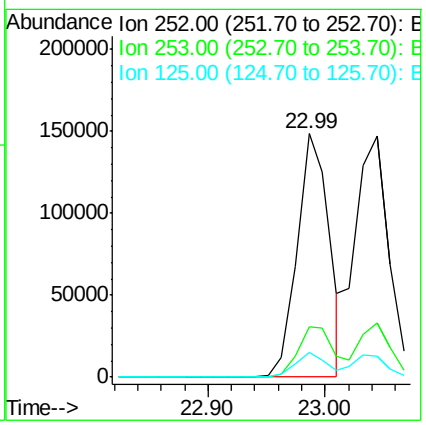


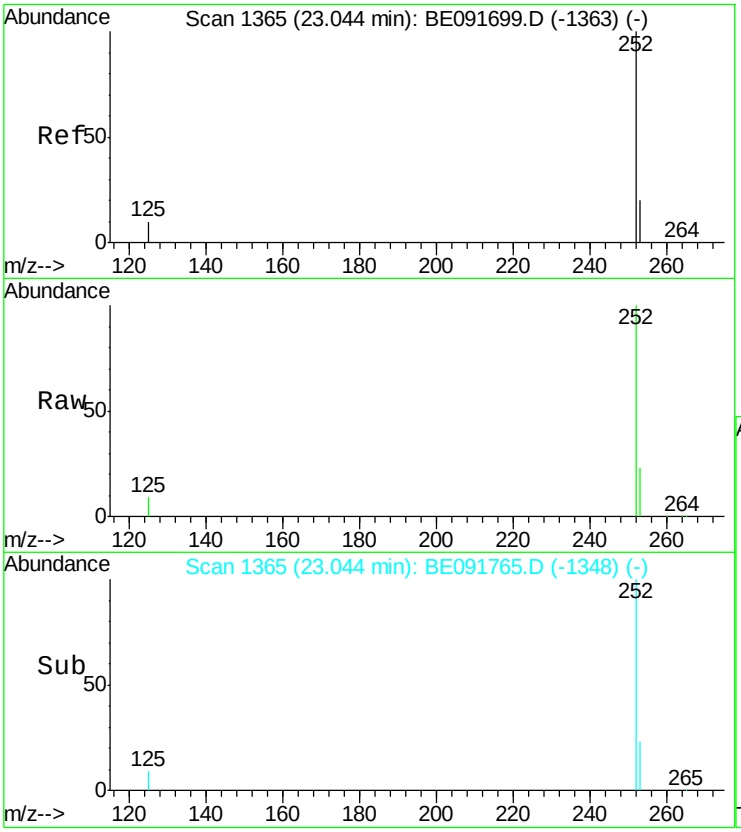


#36
Benzo(b)fluoranthene
Concen: 4.02 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:252 Resp: 281136

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.0
125	9.9	10.2	15.2#



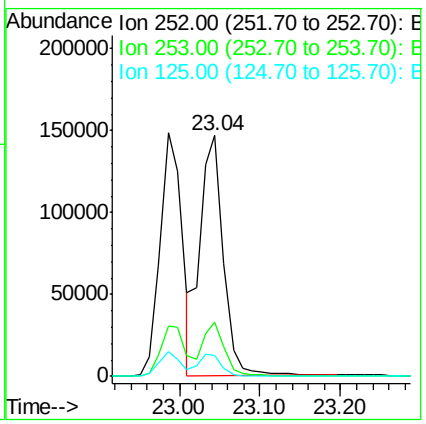


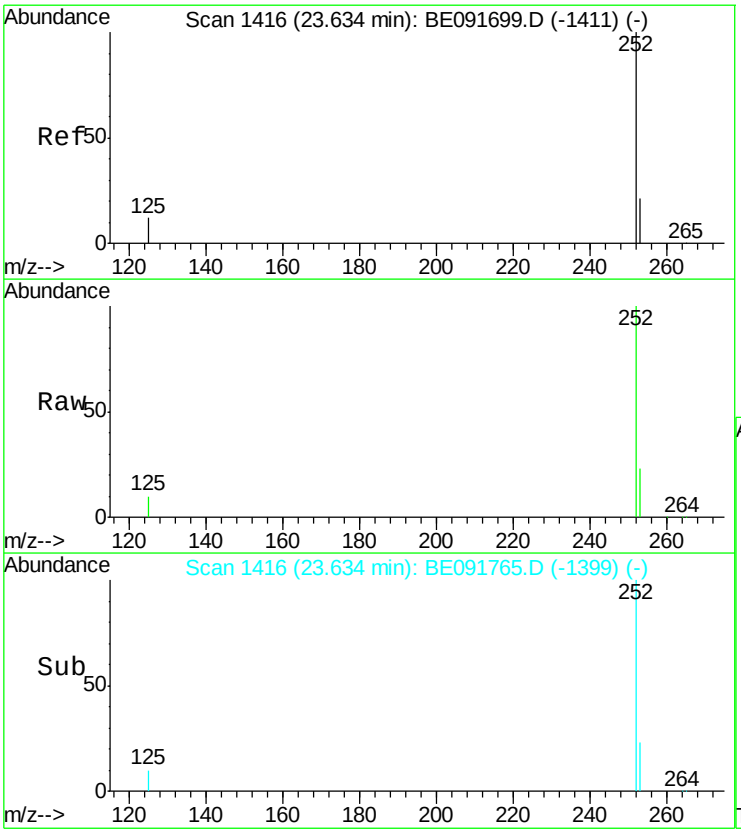
#37
Benzo(k)fluoranthene
Concen: 4.17 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:252 Resp: 295865

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	8.9	9.9	14.9#

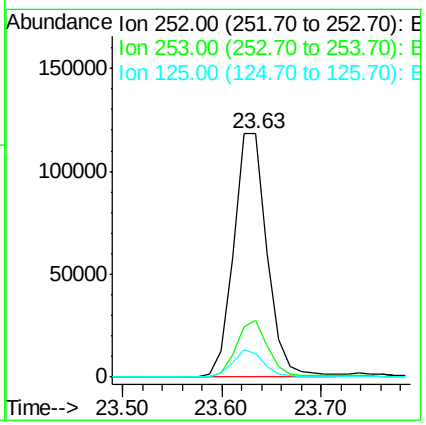


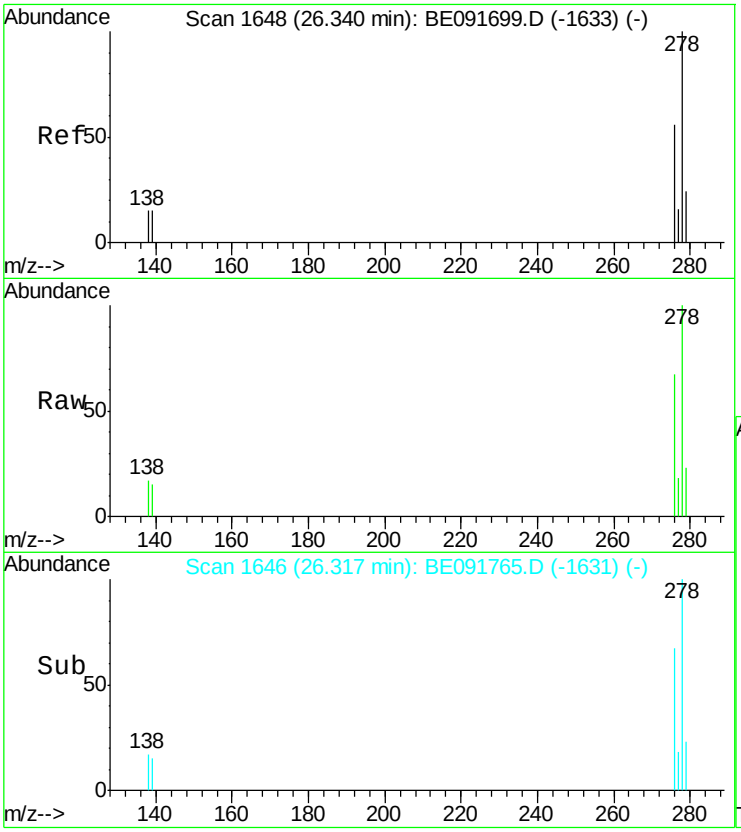


#38
Benzo(a)pyrene
Concen: 4.18 ng
RT: 23.63 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:252 Resp: 275020

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	9.7	11.0	16.4#



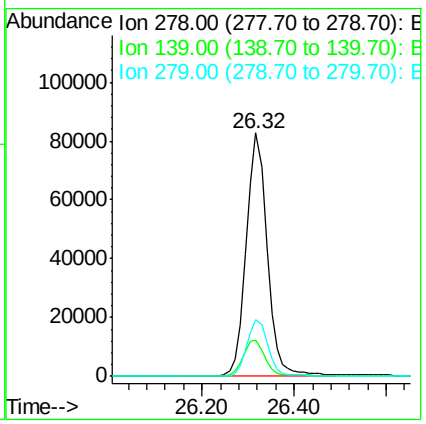


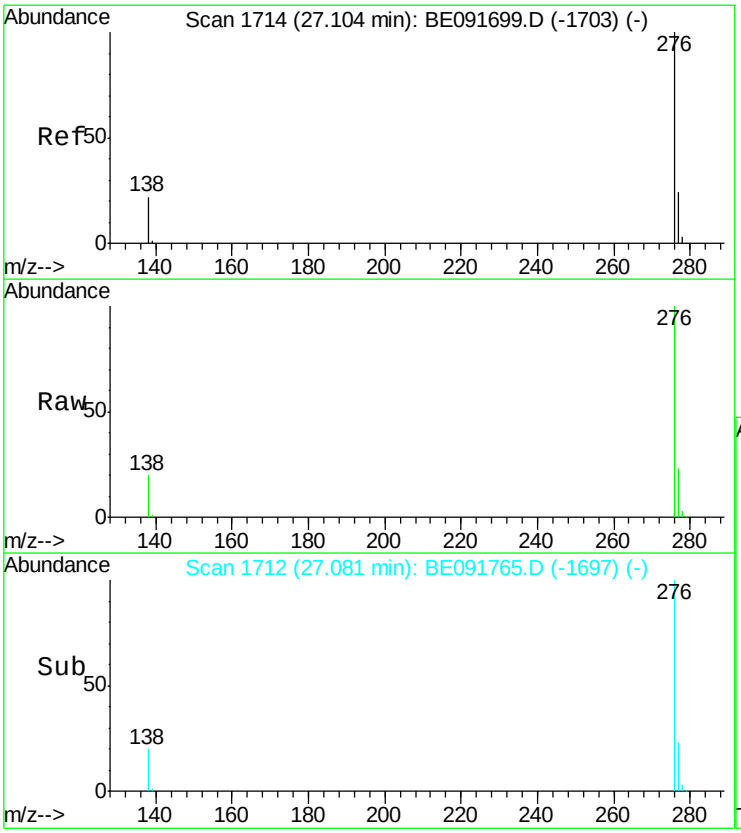
#39
Dibenzo(a,h)anthracene
Concen: 4.18 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

Tgt Ion:278 Resp: 260818

Ion	Ratio	Lower	Upper
278	100		
139	14.8	16.0	24.0#
279	23.4	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 4.16 ng
RT: 27.08 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:276 Resp: 263295

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	20.3	20.4	30.6#