Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE062416\
Data File : BE091947.D
Acq On : 24 Jun 2016 15:27
Operator : UM/SJ
Sample : H3722-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : OUTFALL001-160621

Quant Time: Jun 24 19:10:08 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	26445	5.00	ng		0.00
8) Naphthalene-d8	11.02	136	129693	5.00	ng		0.02
15) Acenaphthene-d10	14.86	164	88788	5.00	ng		0.00
24) Phenanthrene-d10	17.61	188	168244	5.00	ng		0.00
31) Chrysene-d12	21.76	240	227833	5.00	ng		0.00
40) Perylene-d12	24.17	264	168884	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.72	112	16678	3.23	ng		0.00
5) Phenol-d6	7.37	99	14916	1.86	ng		0.02
9) Nitrobenzene-d5	9.36	82	37026	4.14	ng		0.00
16) 2,4,6-Tribromophenol	16.35	330	24881	10.74	ng		0.00
17) 2-Fluorobiphenyl	13.49	172	98050	4.35	ng		0.00
34) Terphenyl-d14	20.22	244	169517	6.08	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.49	88	250	0.07	ng	#	72
7) n-Nitroso-di-n-propylamine	9.36	70	4793	0.77	ng	#	87
10) Nitrobenzene	9.36	77	184	0.07	ng	#	62
11) bis(2-Chloroethoxy)methane	10.05	93	642	0.06	ng	#	1
18) Acenaphthylene	14.56	152	2605	0.03	ng	#	75
19) 2,6-Dinitrotoluene	14.16	165	3720	0.43	ng	#	10
20) Acenaphthene	14.92	154	980	0.04	ng	#	1
21) 2,4-Dinitrotoluene	14.86	165	42246	2.44	ng	#	1
22) Fluorene	15.91	166	900	0.04	ng		91
23) 4-Chlorophenyl-phenylether	15.55	204	560	0.05	ng	#	1
27) Pentachlorophenol	17.26	266	87	0.11	ng	#	85
28) Phenanthrene	17.64	178	12302	0.29	ng		98
29) Anthracene	17.73	178	3624	0.10	ng		99
30) Fluoranthene	19.65	202	111624	0.62	ng	#	87
32) Benzidine	20.20	184	4641	0.60	ng	#	62
33) Pyrene	20.02	202	88185	0.57	ng	#	71
35) Benzo(a)anthracene	21.79	228	23559	0.66	ng	#	74
36) 3,3'-Dichlorobenzidine	21.61	252	610	0.11	ng	#	82
37) Chrysene	21.79	228	23373	0.45	ng	#	82
38) Bis(2-ethylhexyl)phthalate	21.61	149	68964	2.56	ng	#	100
39) Indeno(1,2,3-cd)pyrene	26.69	276	26845	0.15	ng		98
41) Benzo(b)fluoranthene	23.43	252	18924	0.44	ng	#	55
42) Benzo(k)fluoranthene	23.43	252	18807	0.47	ng	#	59
43) Benzo(a)pyrene	24.06	252	10382	0.27	ng	#	55
44) Dibenzo(a,h)anthracene	26.70	278	1531	0.04	ng	#	1
45) Benzo(g,h,i)perylene	27.47	276	24781	0.16	ng	#	61

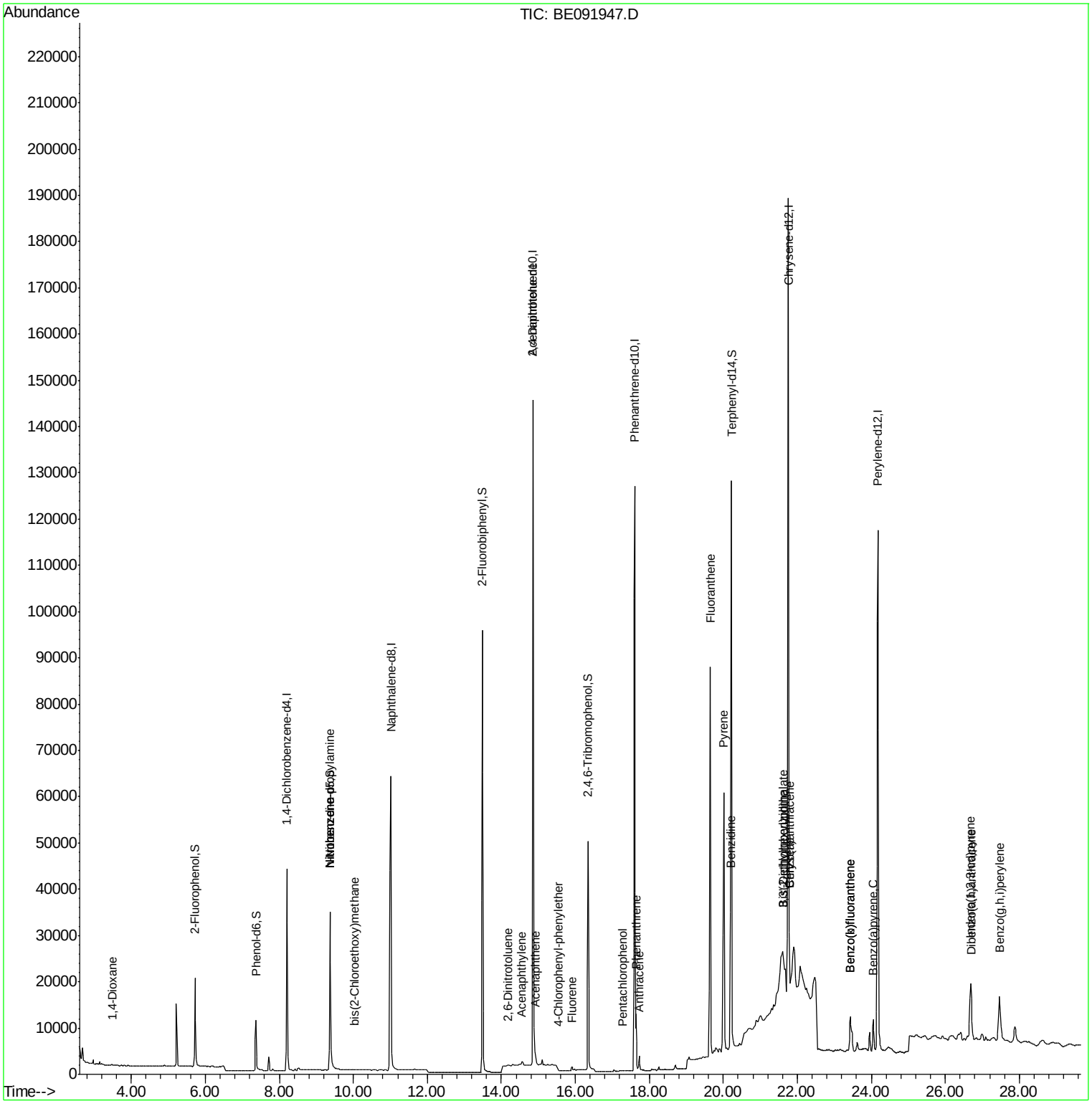
(#) = qualifier out of range (m) = manual integration (+) = signals summed

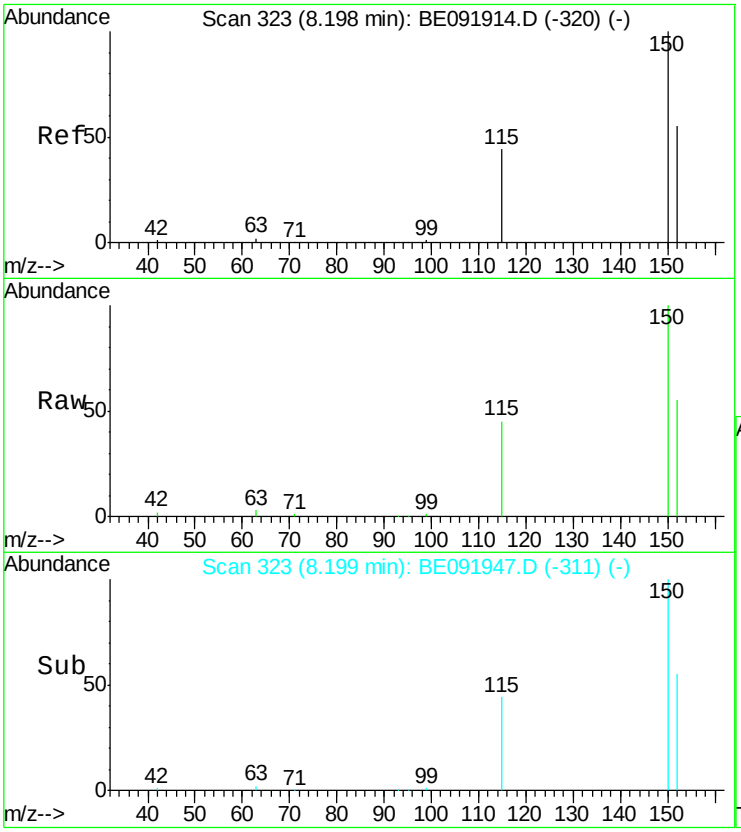
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE062416\
Data File : BE091947.D
Acq On : 24 Jun 2016 15:27
Operator : UM/SJ
Sample : H3722-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Quant Time: Jun 24 19:10:08 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration



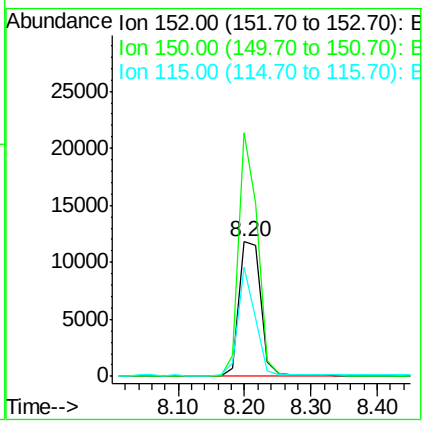


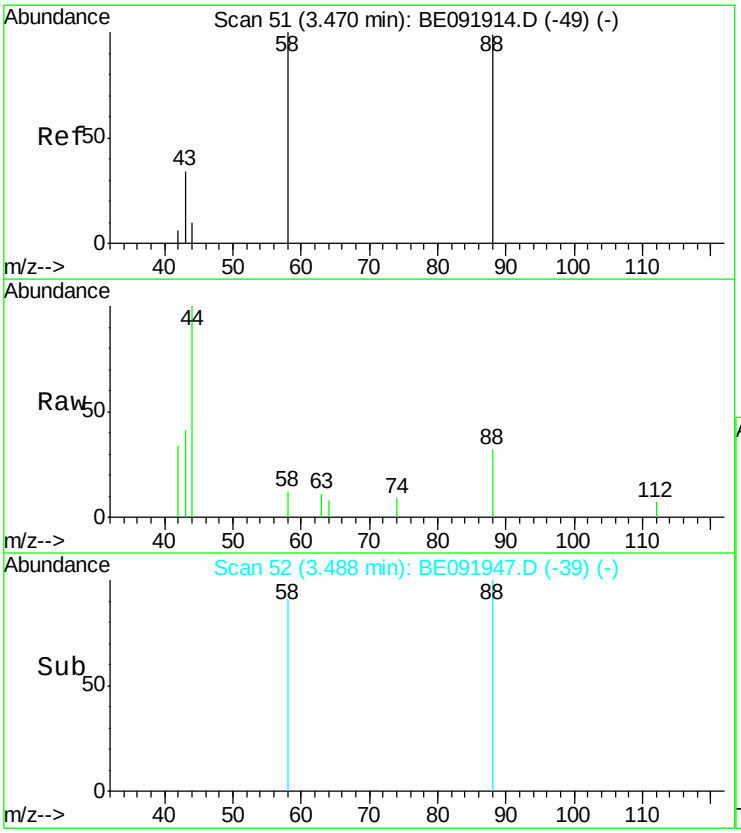
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:152 Resp: 26445

Ion	Ratio	Lower	Upper
152	100		
150	181.1	123.9	185.9
115	81.0	48.3	72.5#

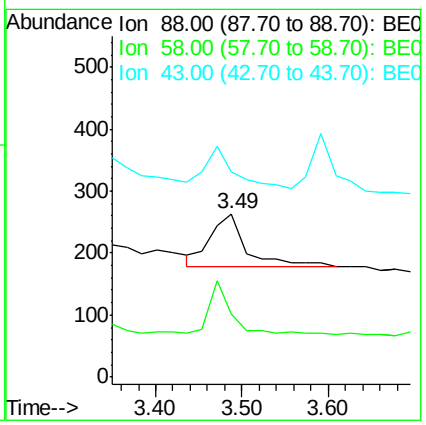


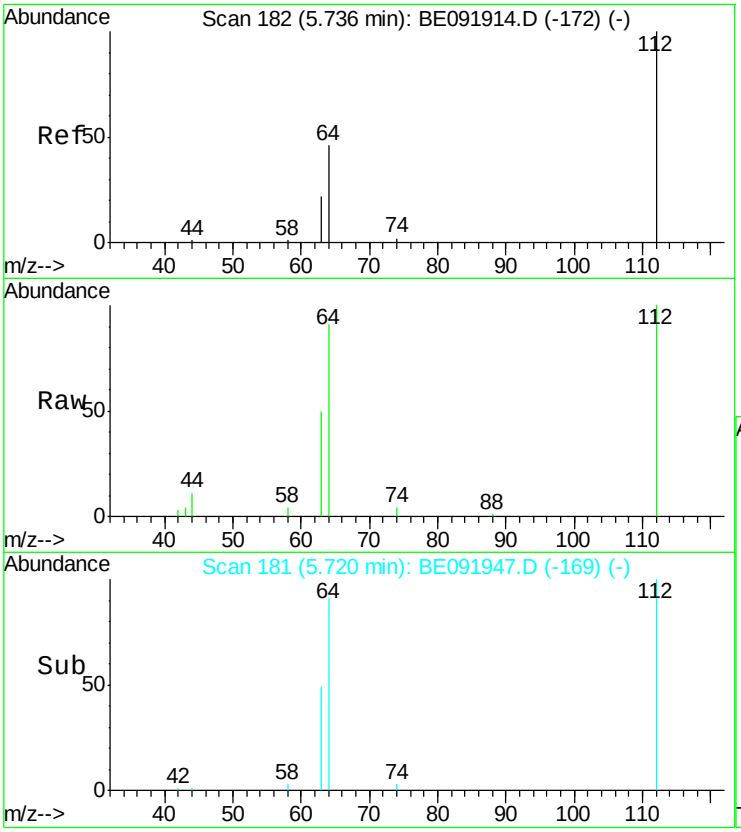


#2
1,4-Dioxane
Concen: 0.07 ng
RT: 3.49 min Scan# 52
Delta R.T. 0.02 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion: 88 Resp: 250

Ion	Ratio	Lower	Upper
88	100		
58	59.6	63.0	94.4#
43	61.2	29.1	43.7#



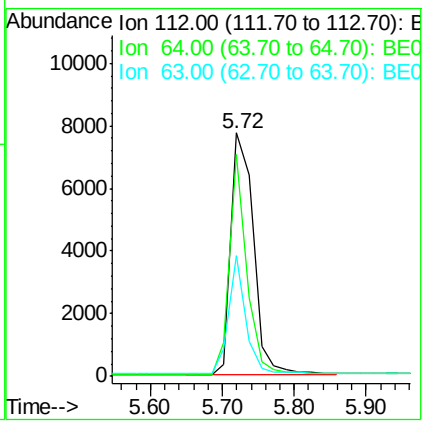


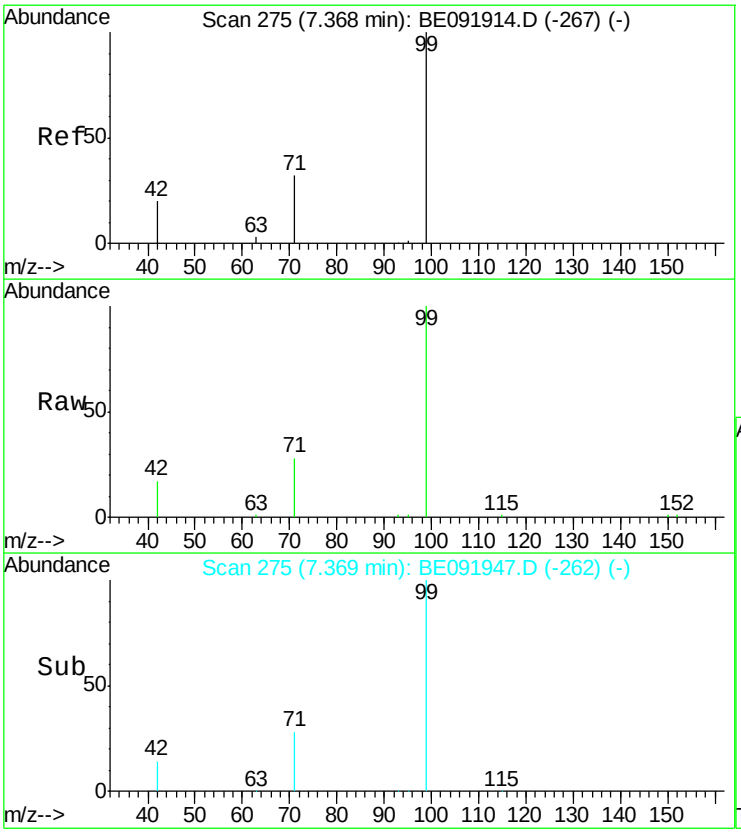
#4
2-Fluorophenol
Concen: 3.23 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:112 Resp: 16678

Ion	Ratio	Lower	Upper
112	100		
64	70.1	53.7	80.5
63	37.2	29.5	44.3

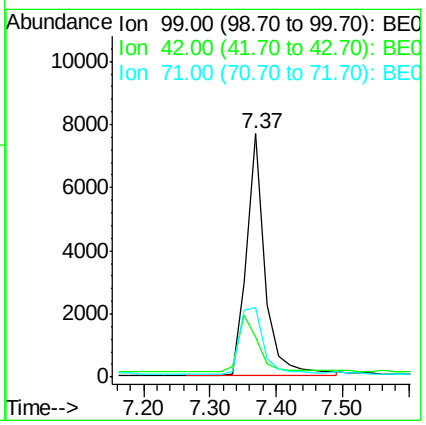


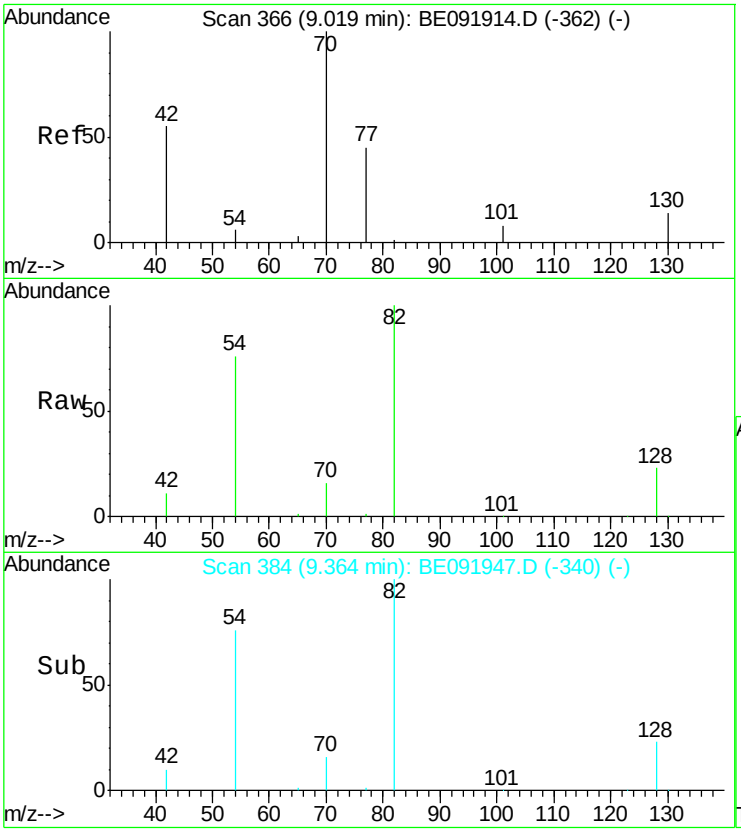


#5
Phenol-d6
Concen: 1.86 ng
RT: 7.37 min Scan# 275
Delta R.T. 0.02 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion: 99 Resp: 14916

Ion	Ratio	Lower	Upper
99	100		
42	24.6	19.6	29.4
71	36.2	28.1	42.1



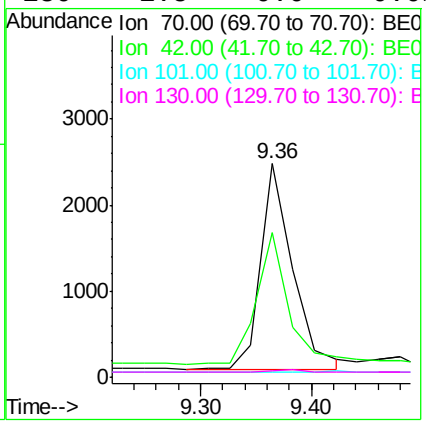


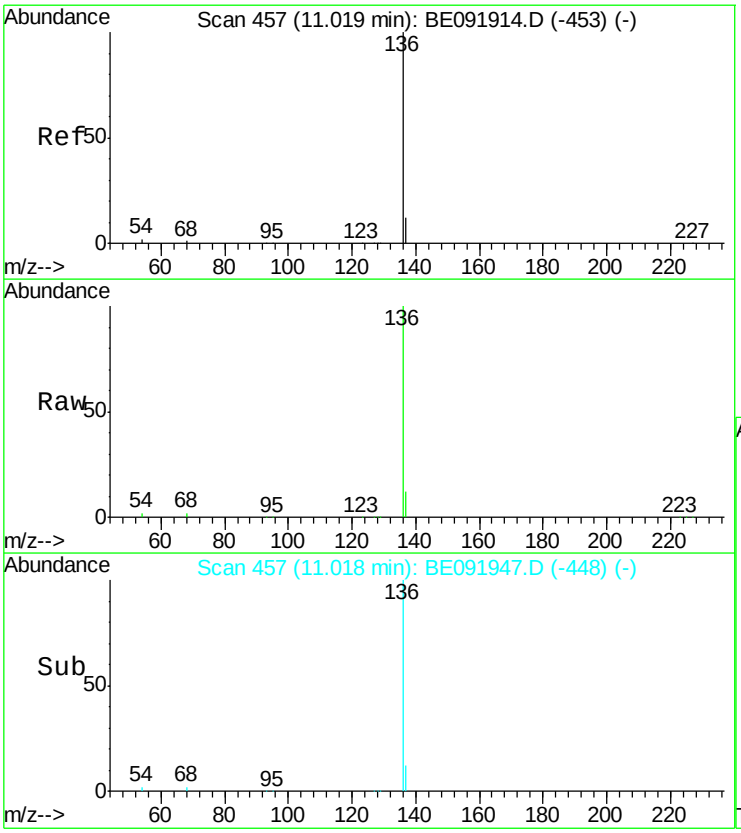
#7
n-Nitroso-di-n-propylamine
Concen: 0.77 ng
RT: 9.36 min Scan# 384
Delta R.T. 0.36 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion: 70 Resp: 4793

Ion	Ratio	Lower	Upper
70	100		
42	63.1	58.4	87.6
101	0.0	6.4	9.6#
130	1.5	0.0	0.0#

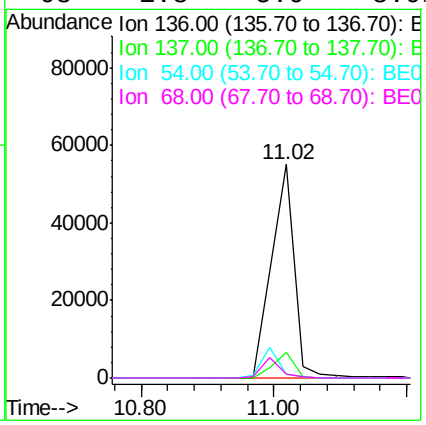


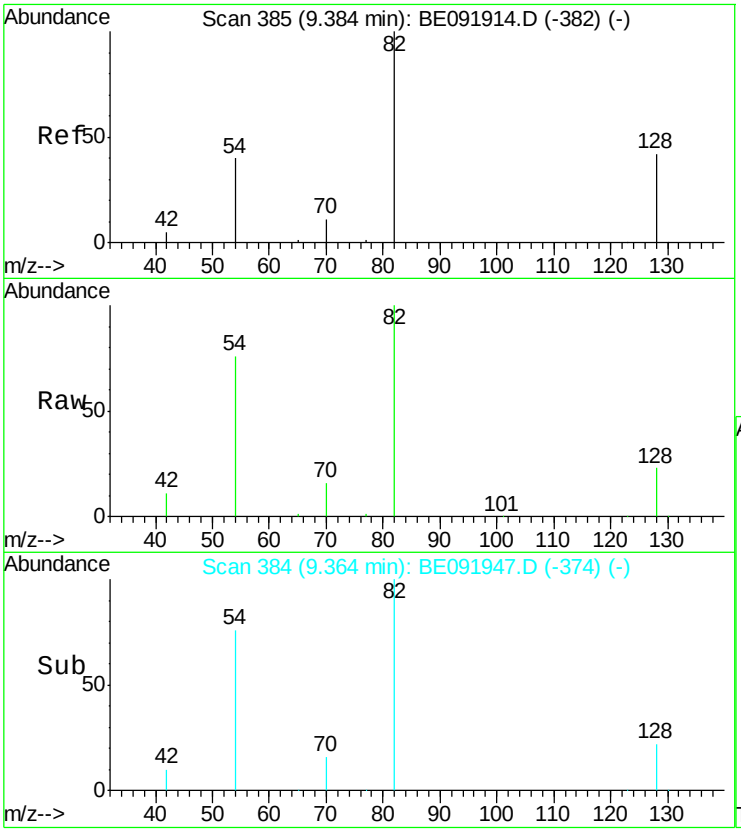


#8
Naphthalene-d8
Concen: 5.00 ng
RT: 11.02 min Scan# 457
Delta R.T. 0.02 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:136 Resp: 129693

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.3	12.5
54	2.1	8.2	12.4#
68	1.8	5.9	8.9#



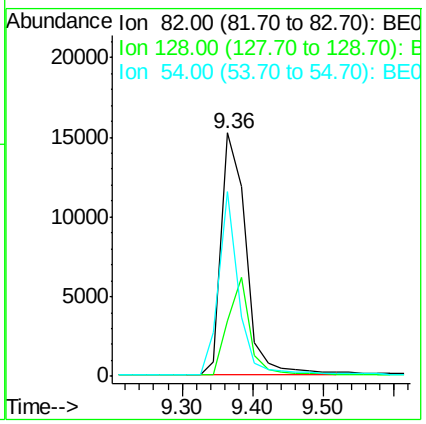


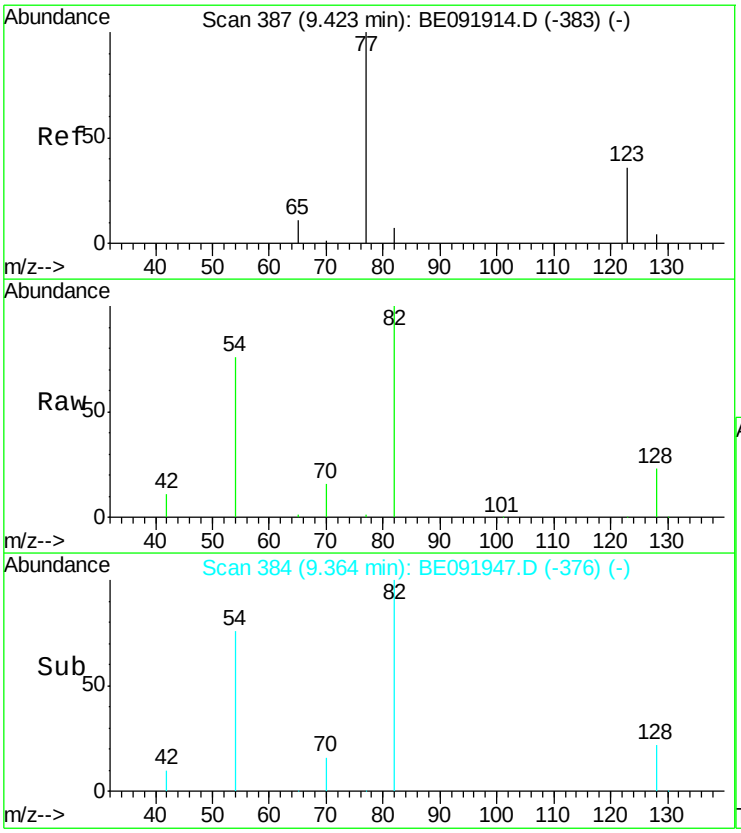
#9
Nitrobenzene-d5
Concen: 4.14 ng
RT: 9.36 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion: 82 Resp: 37026

Ion	Ratio	Lower	Upper
82	100		
128	22.8	39.5	59.3#
54	76.1	30.3	45.5#

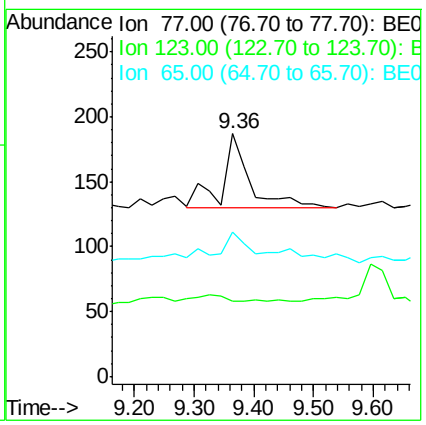


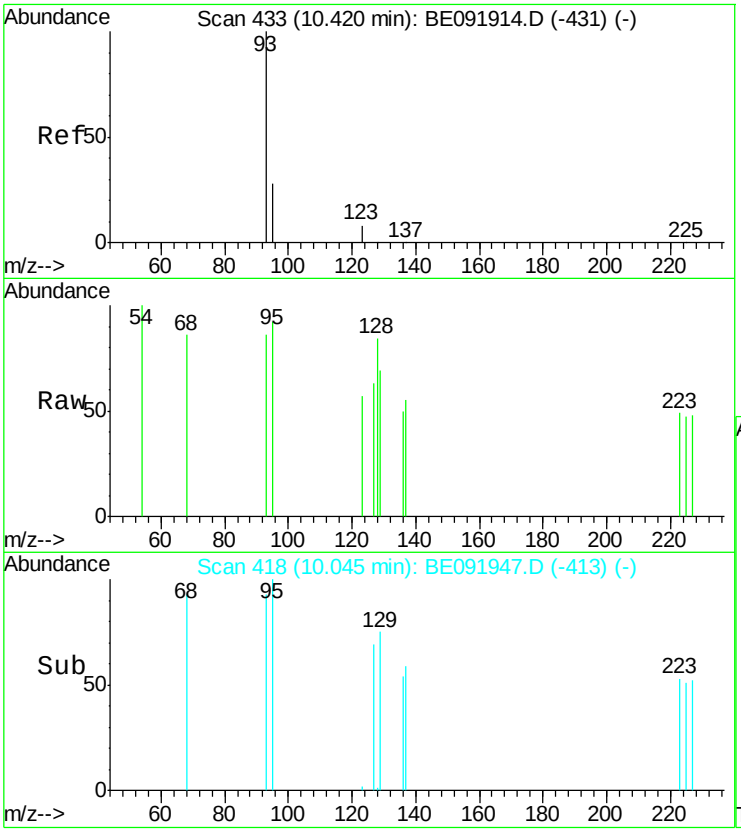


#10
Nitrobenzene
Concen: 0.07 ng
RT: 9.36 min Scan# 384
Delta R.T. -0.04 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion: 77 Resp: 184

Ion	Ratio	Lower	Upper
77	100		
123	0.0	0.0	0.0
65	29.3	11.1	16.7#



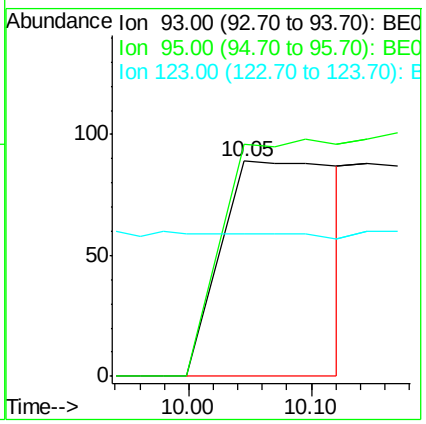


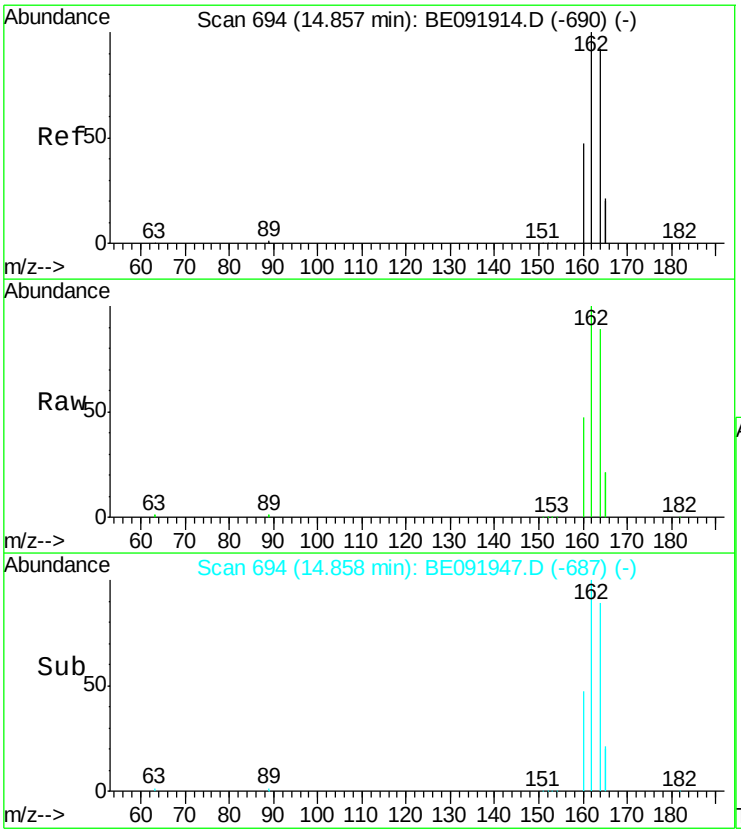
#11
bis(2-Chloroethoxy)methane
Concen: 0.06 ng
RT: 10.05 min Scan# 418
Delta R.T. -0.38 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion: 93 Resp: 642

Ion	Ratio	Lower	Upper
93	100		
95	0.0	57.6	86.4#
123	0.0	100.2	150.4#

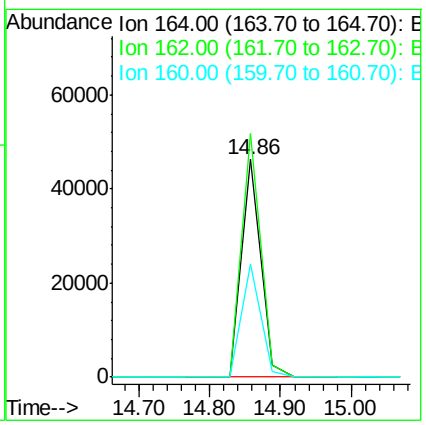


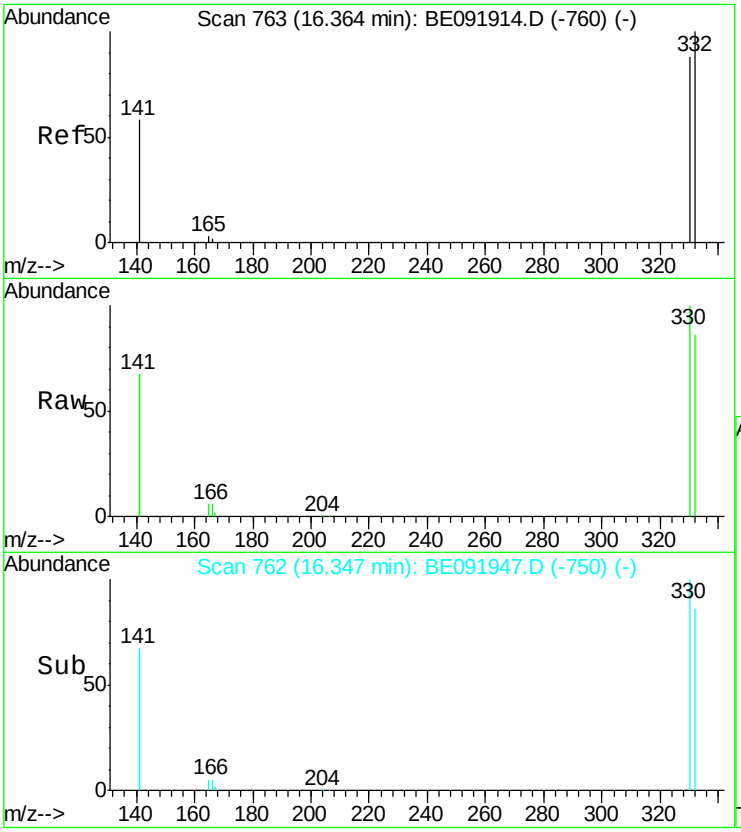


#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:164 Resp: 88788

Ion	Ratio	Lower	Upper
164	100		
162	111.9	71.8	107.8#
160	52.1	28.0	42.0#



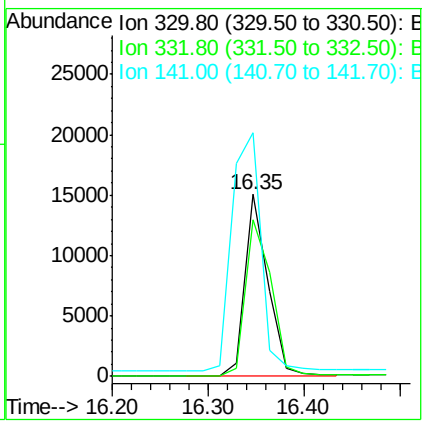


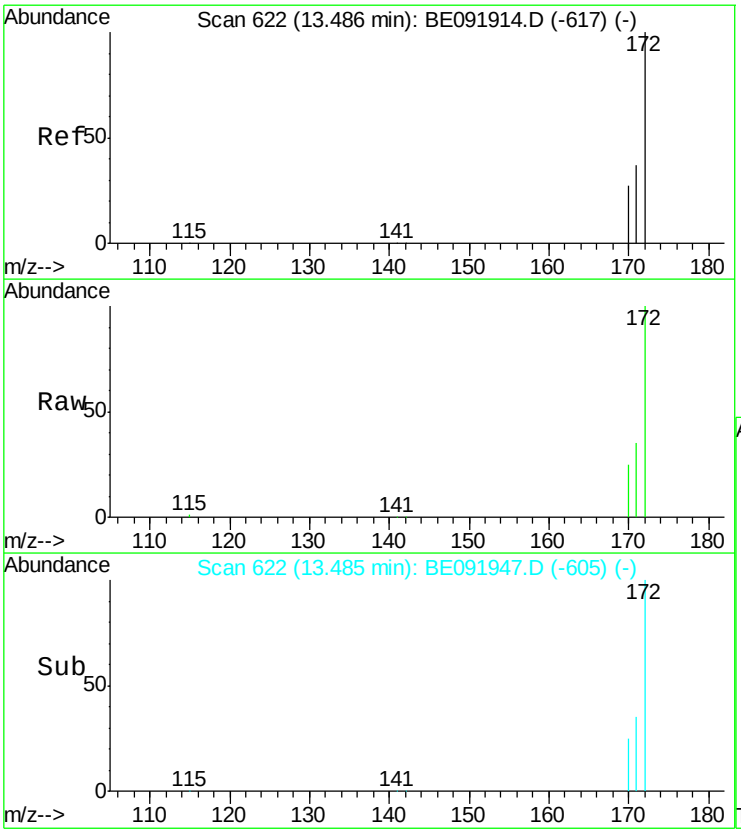
#16
2,4,6-Tribromophenol
Concen: 10.74 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:330 Resp: 24881

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	167.5	138.4	207.6

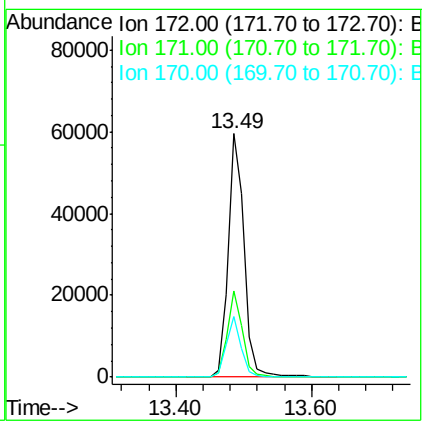


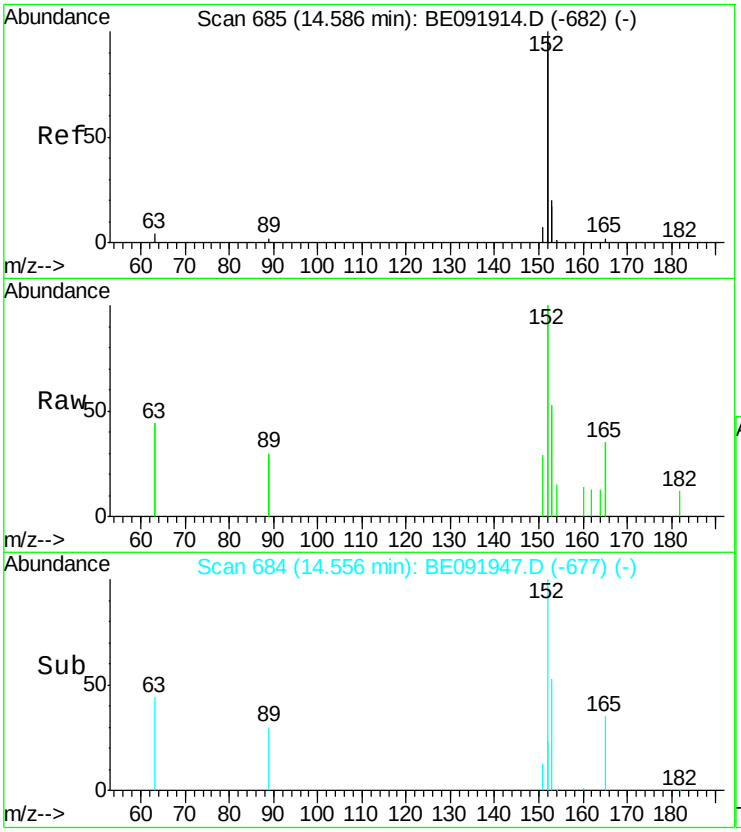


#17
2-Fluorobiphenyl
Concen: 4.35 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:172 Resp: 98050

Ion	Ratio	Lower	Upper
172	100		
171	35.4	24.3	36.5
170	24.7	14.9	22.3#



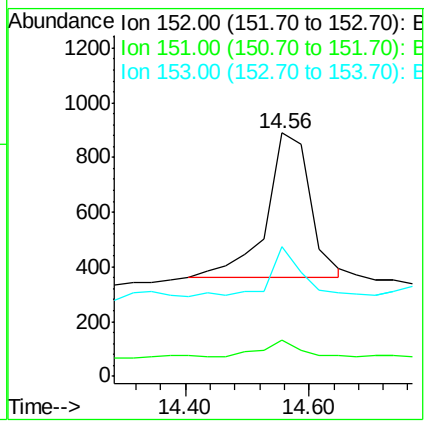


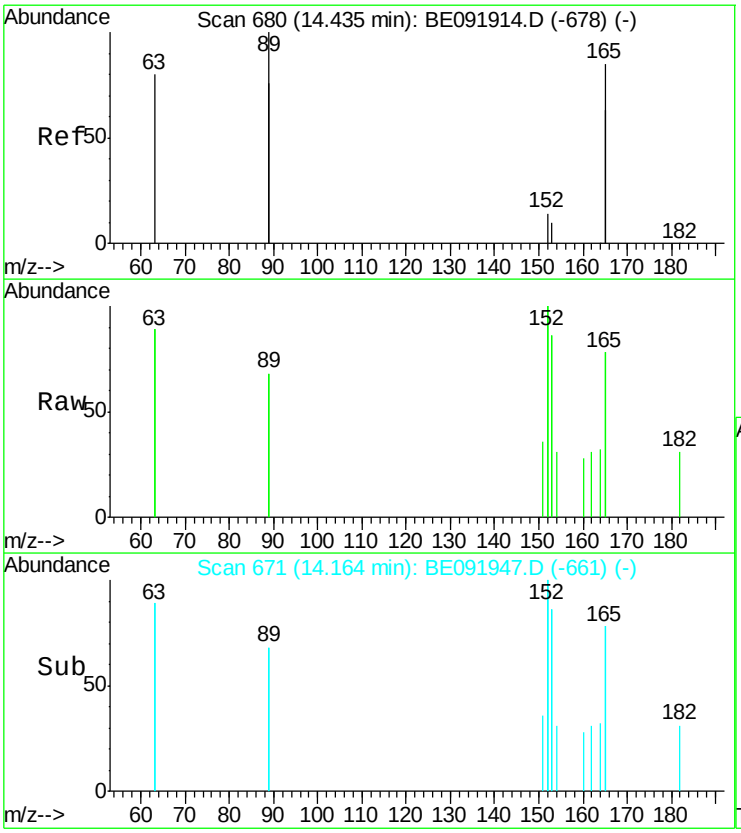
#18
Acenaphthylene
Concen: 0.03 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:152 Resp: 2605

Ion	Ratio	Lower	Upper
152	100		
151	9.5	19.4	29.2#
153	26.0	14.4	21.6#

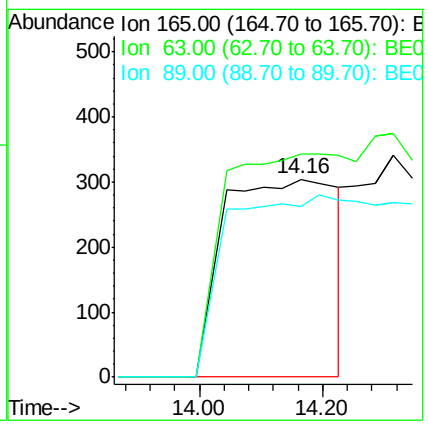


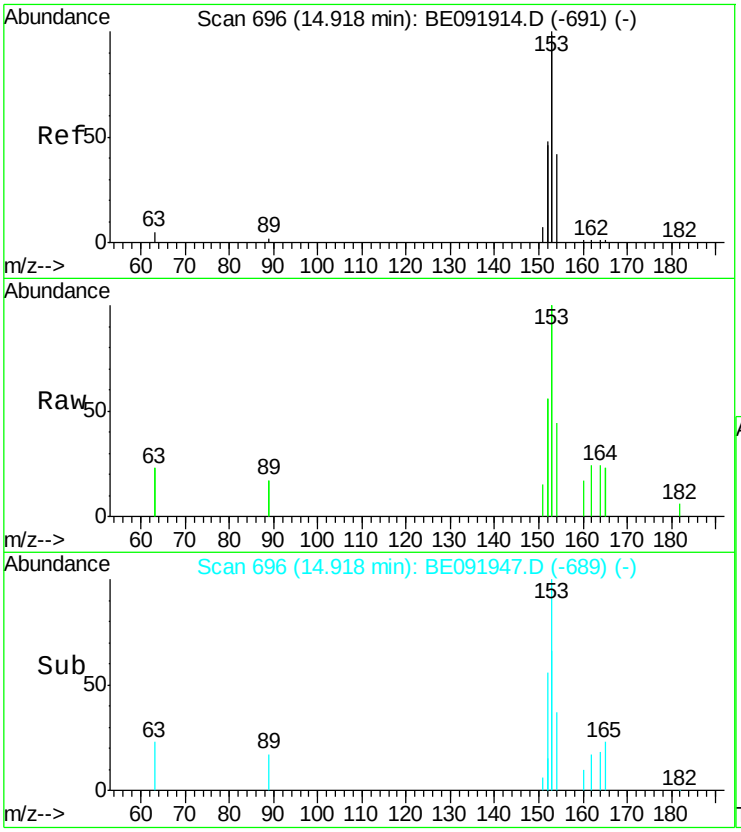


#19
2,6-Dinitrotoluene
Concen: 0.43 ng
RT: 14.16 min Scan# 671
Delta R.T. -0.27 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:165 Resp: 3720

Ion	Ratio	Lower	Upper
165	100		
63	0.0	65.9	98.9#
89	0.0	59.1	88.7#



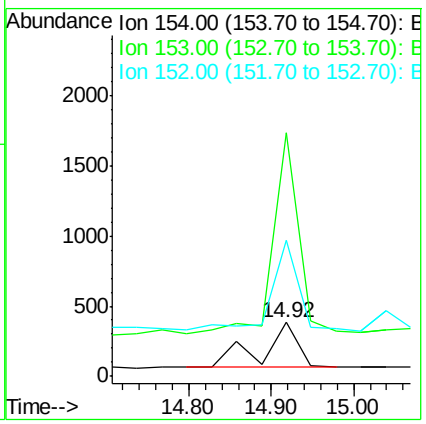


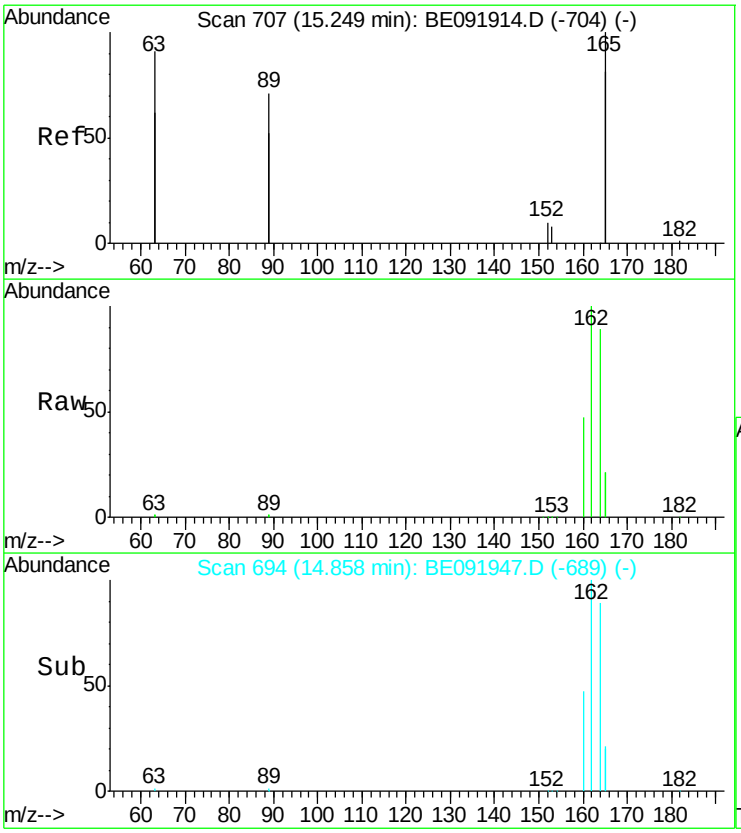
#20
Acenaphthene
Concen: 0.04 ng
RT: 14.92 min Scan# 696
Delta R.T. -0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:154 Resp: 980

Ion	Ratio	Lower	Upper
154	100		
153	320.1	88.1	132.1#
152	148.8	44.2	66.2#

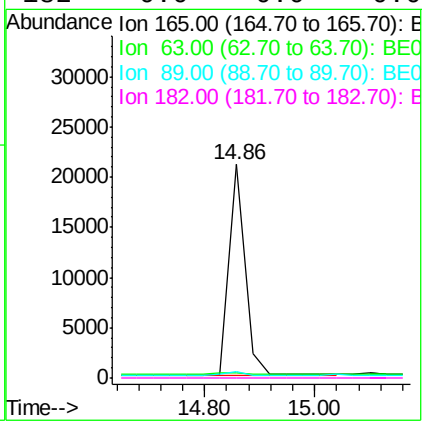


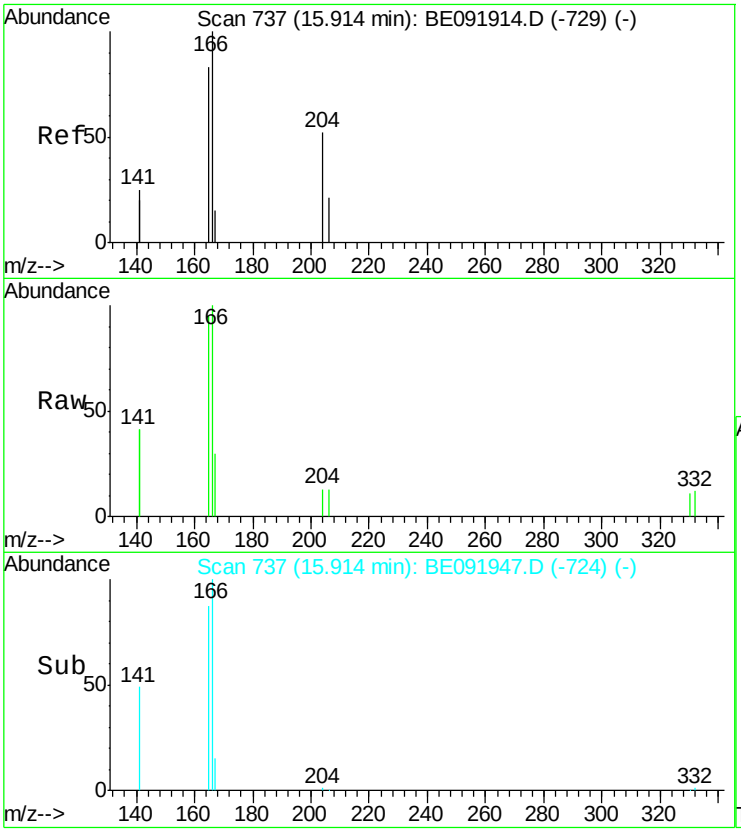


#21
2,4-Dinitrotoluene
Concen: 2.44 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.36 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:165 Resp: 42246

Ion	Ratio	Lower	Upper
165	100		
63	2.0	0.0	0.0#
89	1.9	99.8	149.8#
182	0.0	0.0	0.0



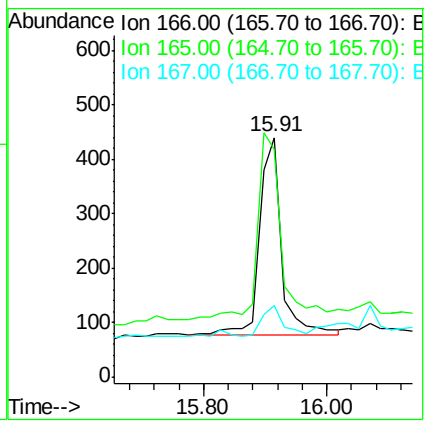


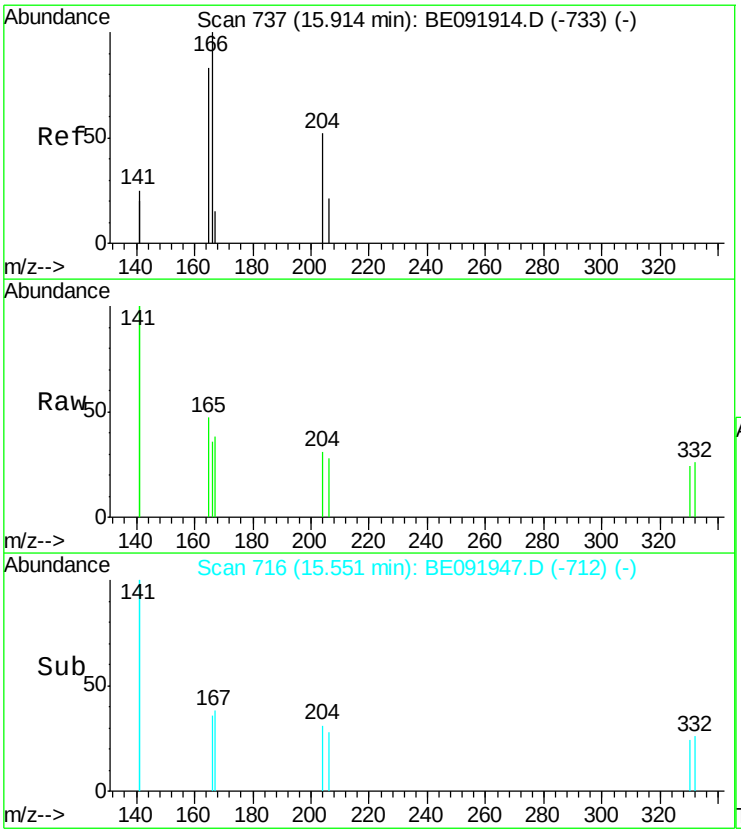
#22
Fluorene
Concen: 0.04 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.02 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:166 Resp: 900

Ion	Ratio	Lower	Upper
166	100		
165	107.7	78.6	117.8
167	14.9	10.8	16.2

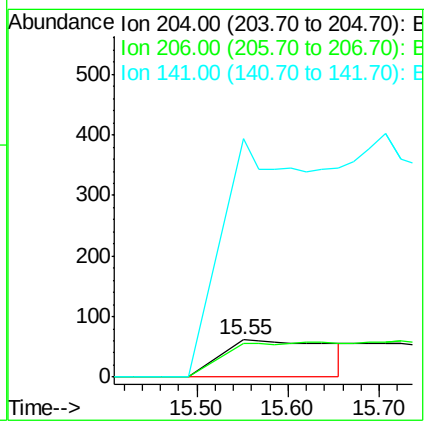


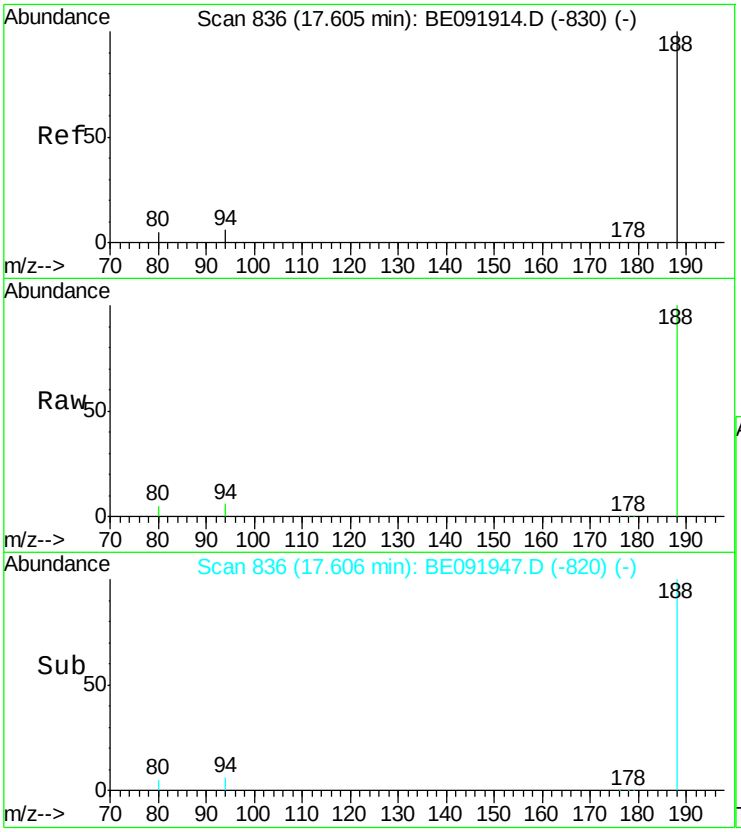


#23
4-Chlorophenyl-phenylether
Concen: 0.05 ng
RT: 15.55 min Scan# 716
Delta R.T. -0.35 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:204 Resp: 560

Ion	Ratio	Lower	Upper
204	100		
206	0.0	27.8	41.6#
141	488.8	197.6	296.4#



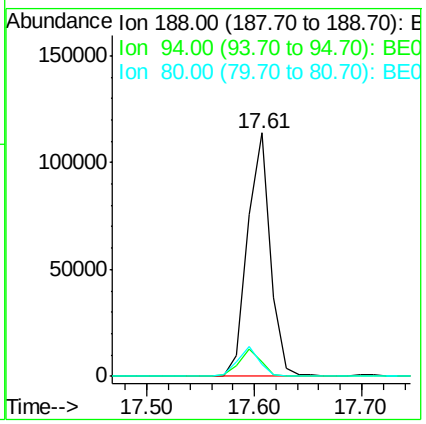


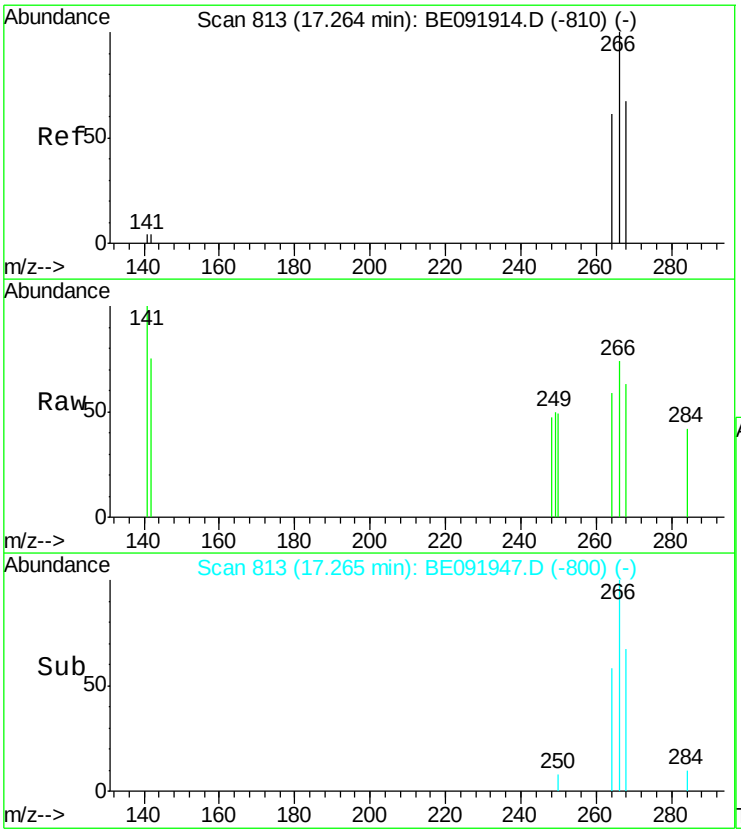
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:188 Resp: 168244

Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.1	6.1
80	5.2	3.4	5.2#

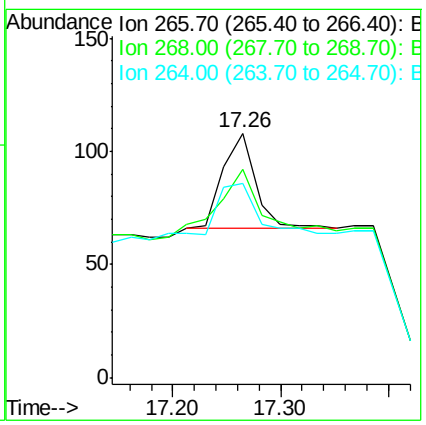


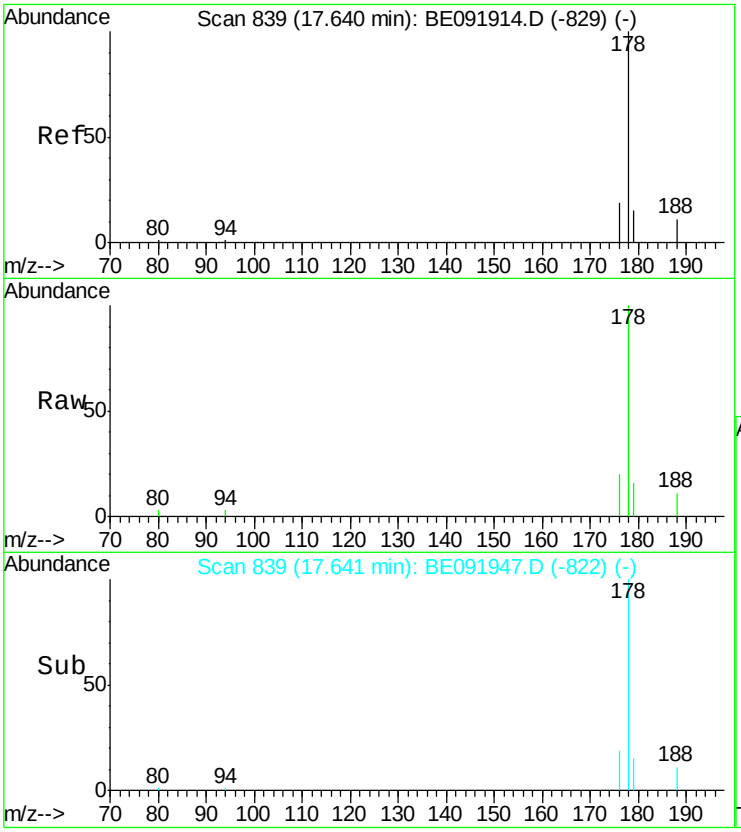


#27
Pentachlorophenol
Concen: 0.11 ng
RT: 17.26 min Scan# 813
Delta R.T. 0.02 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:266 Resp: 87

Ion	Ratio	Lower	Upper
266	100		
268	85.2	60.5	90.7
264	79.6	51.0	76.4#



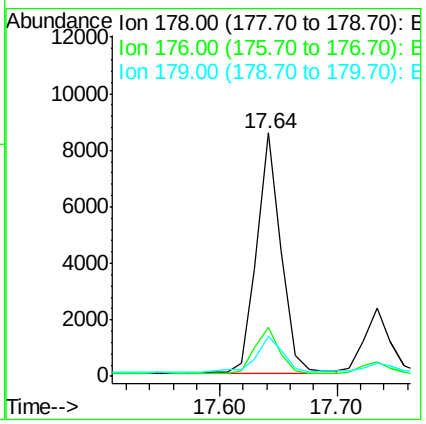


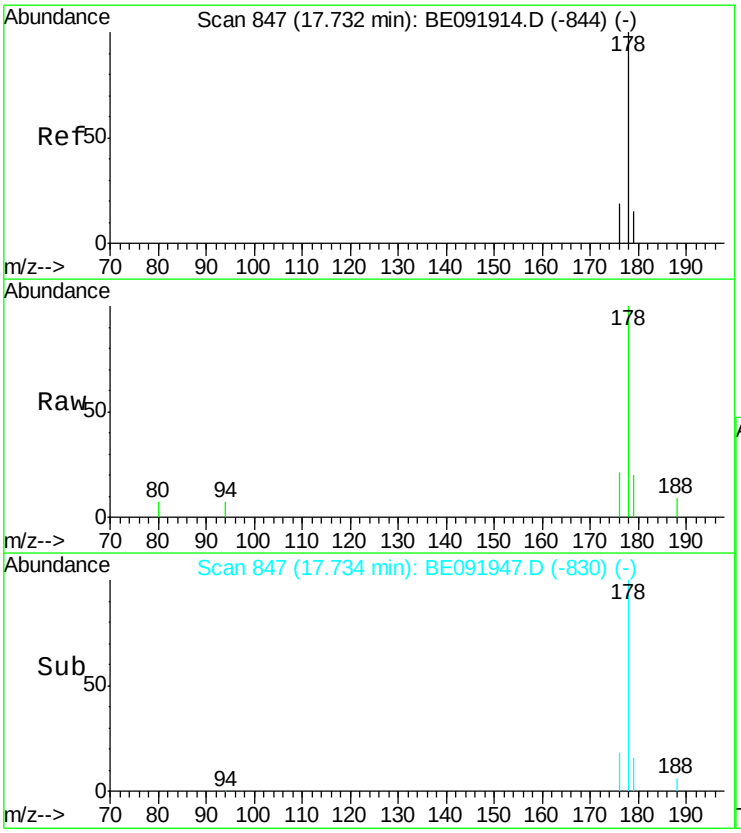
#28
Phenanthrene
Concen: 0.29 ng
RT: 17.64 min Scan# 839
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:178 Resp: 12302

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	17.2	12.9	19.3

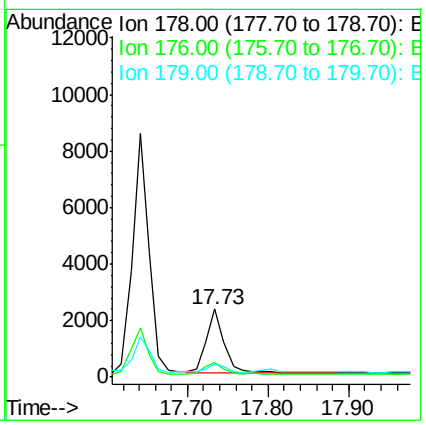


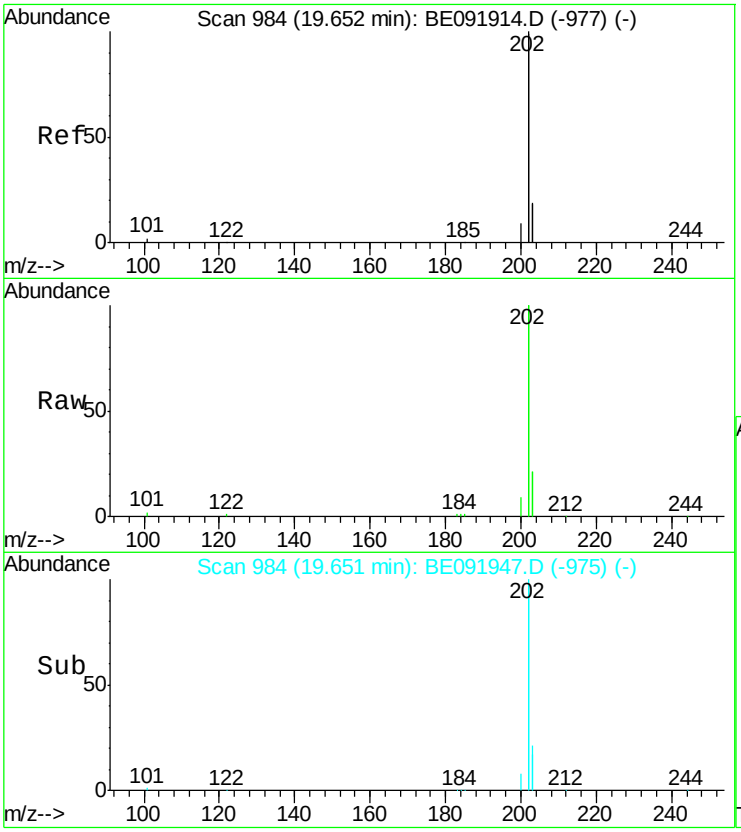


#29
Anthracene
Concen: 0.10 ng
RT: 17.73 min Scan# 847
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:178 Resp: 3624

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	14.7	12.1	18.1



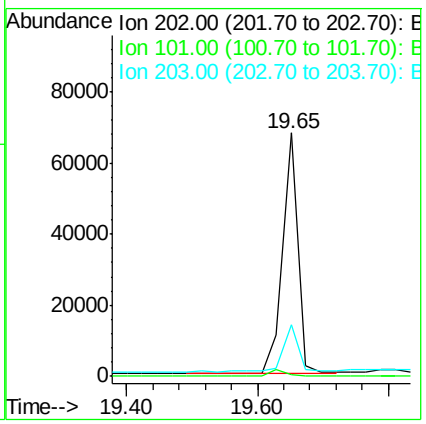


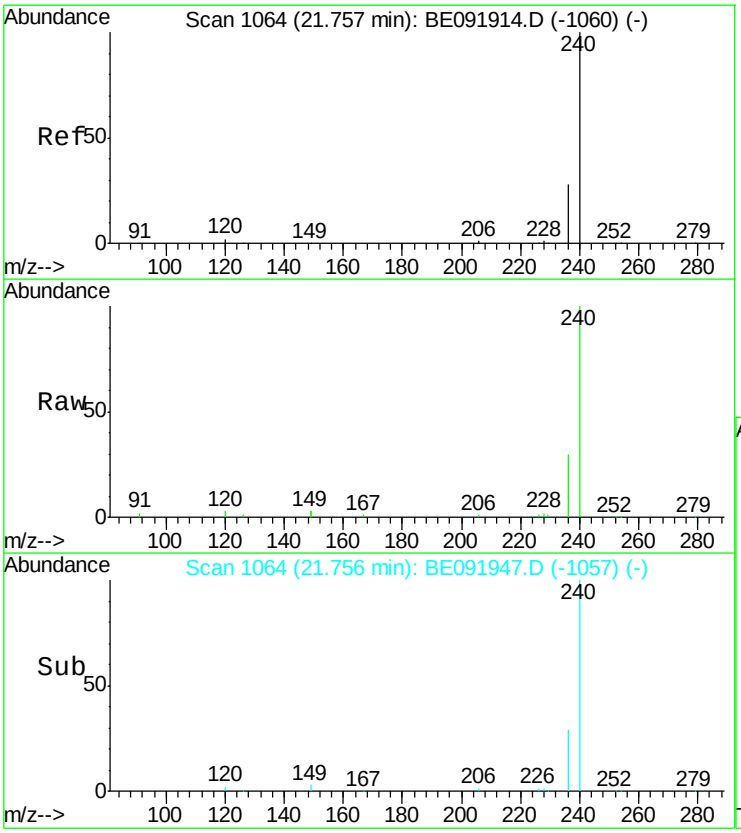
#30
Fluoranthene
Concen: 0.62 ng
RT: 19.65 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:202 Resp: 111624

Ion	Ratio	Lower	Upper
202	100		
101	0.0	9.4	14.0#
203	18.7	14.3	21.5

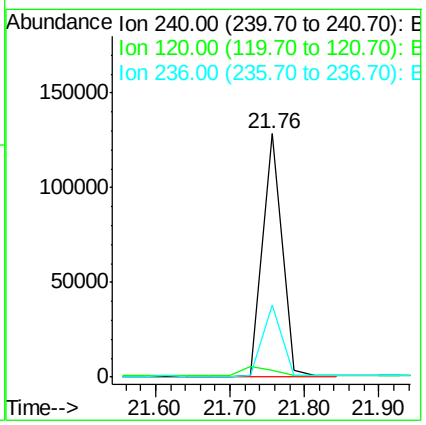


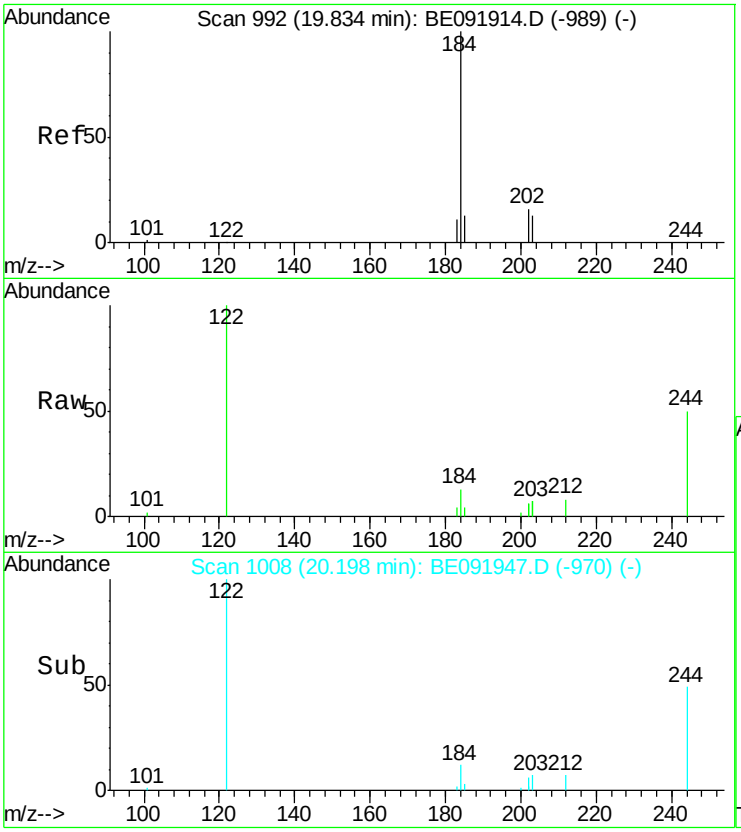


#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:240 Resp: 227833

Ion	Ratio	Lower	Upper
240	100		
120	2.6	1.2	1.8#
236	29.7	19.8	29.8



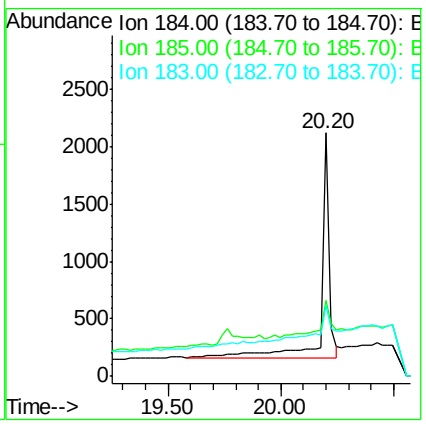


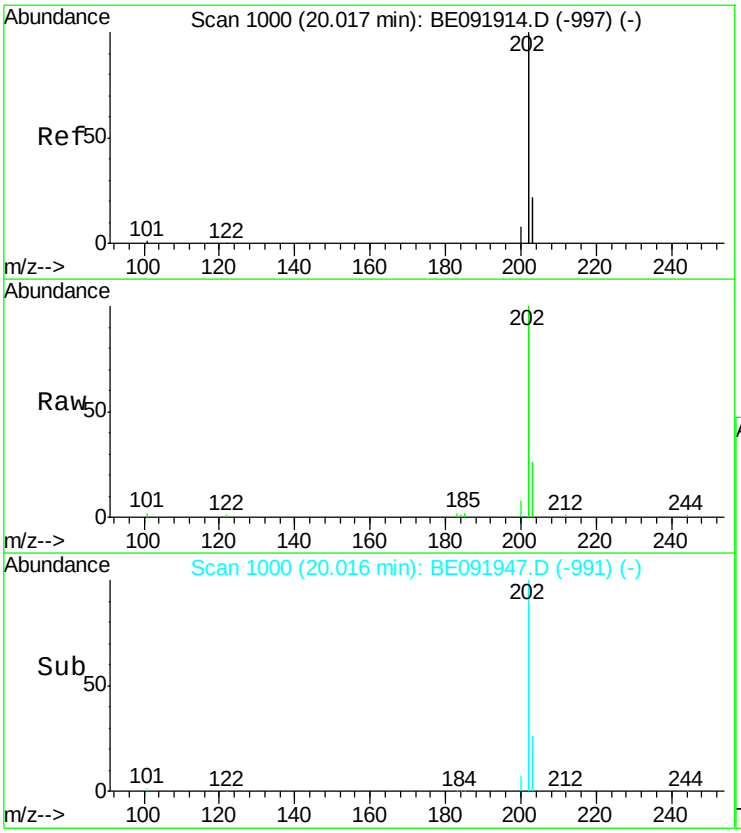
#32
Benzidine
Concen: 0.60 ng
RT: 20.20 min Scan# 1008
Delta R.T. 0.36 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:184 Resp: 4641

Ion	Ratio	Lower	Upper
184	100		
185	31.2	11.4	17.2#
183	29.1	11.8	17.6#

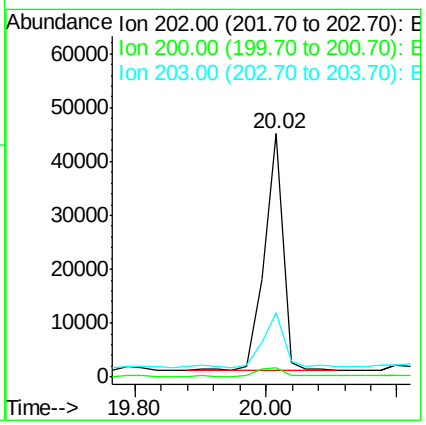


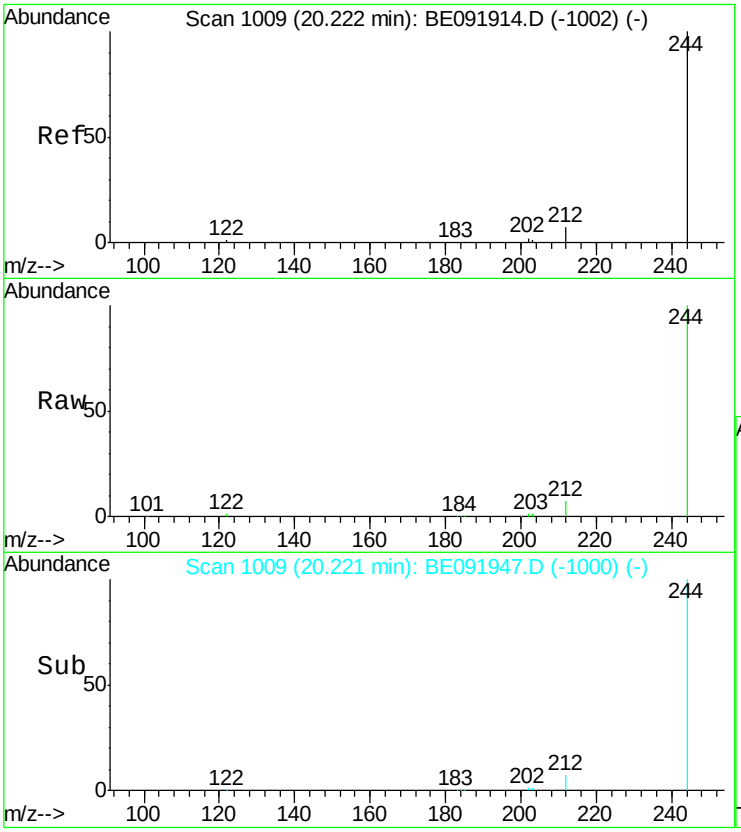


#33
Pyrene
Concen: 0.57 ng
RT: 20.02 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:202 Resp: 88185

Ion	Ratio	Lower	Upper
202	100		
200	5.2	16.9	25.3#
203	28.1	14.1	21.1#



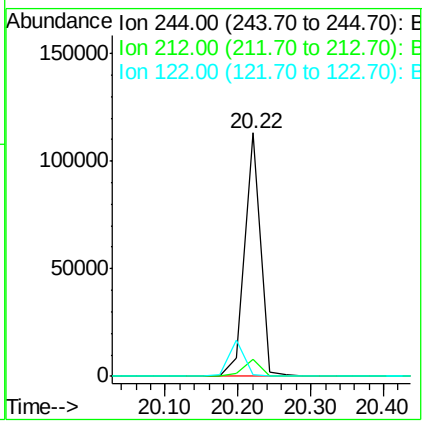


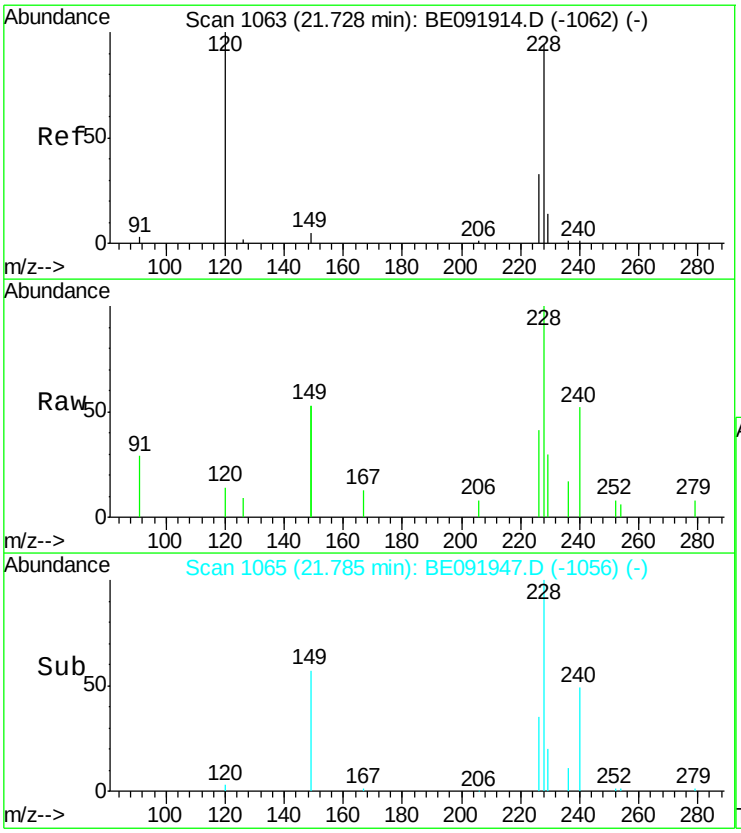
#34
Terphenyl-d14
Concen: 6.08 ng
RT: 20.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:244 Resp: 169517

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.5	9.7
122	0.8	2.9	4.3#

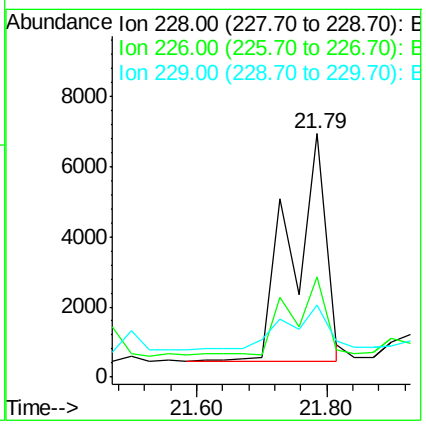


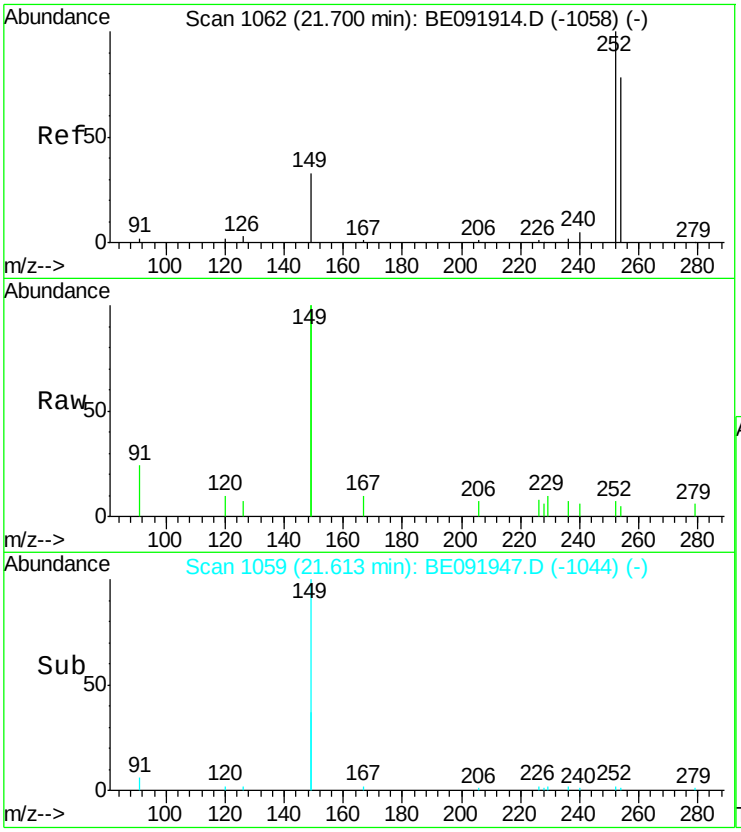


#35
Benzo(a)anthracene
Concen: 0.66 ng
RT: 21.79 min Scan# 1065
Delta R.T. 0.06 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:228 Resp: 23559

Ion	Ratio	Lower	Upper
228	100		
226	41.0	21.0	31.4#
229	29.5	15.8	23.8#



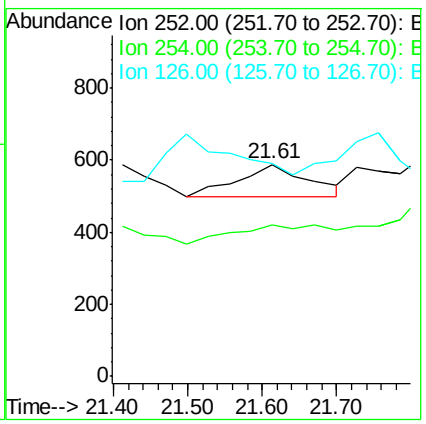


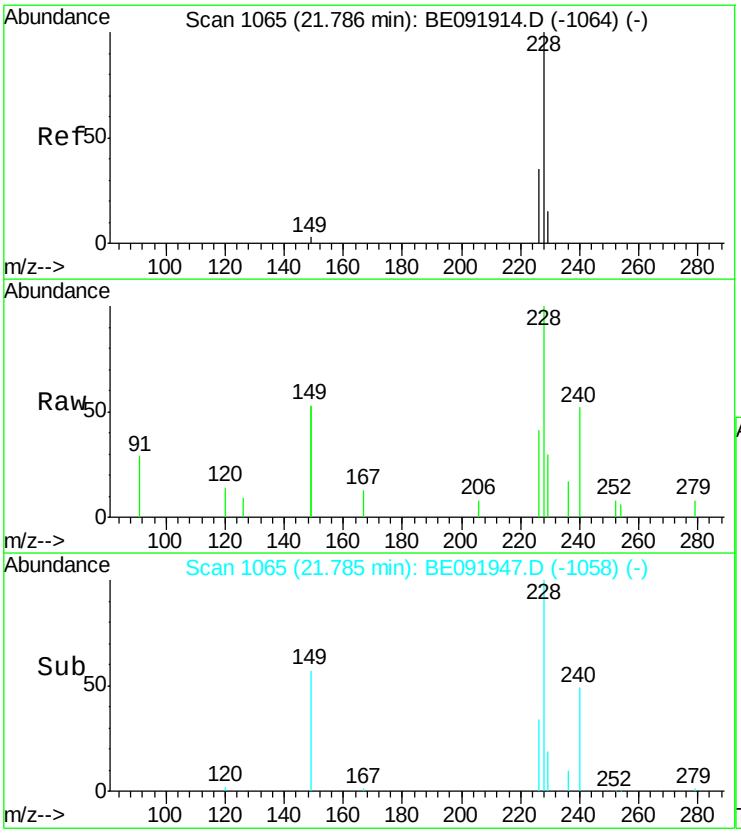
#36
3,3'-Dichlorobenzidine
Concen: 0.11 ng
RT: 21.61 min Scan# 1059
Delta R.T. -0.06 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:252 Resp: 610

Ion	Ratio	Lower	Upper
252	100		
254	71.3	61.5	92.3
126	100.2	2.5	3.7#

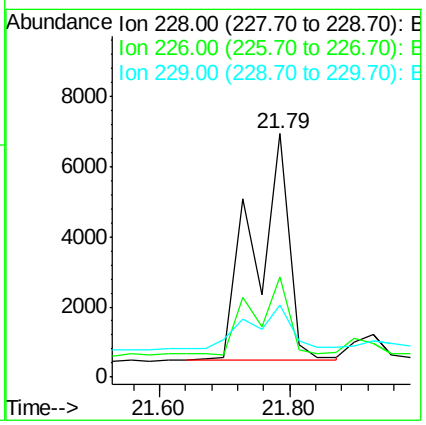


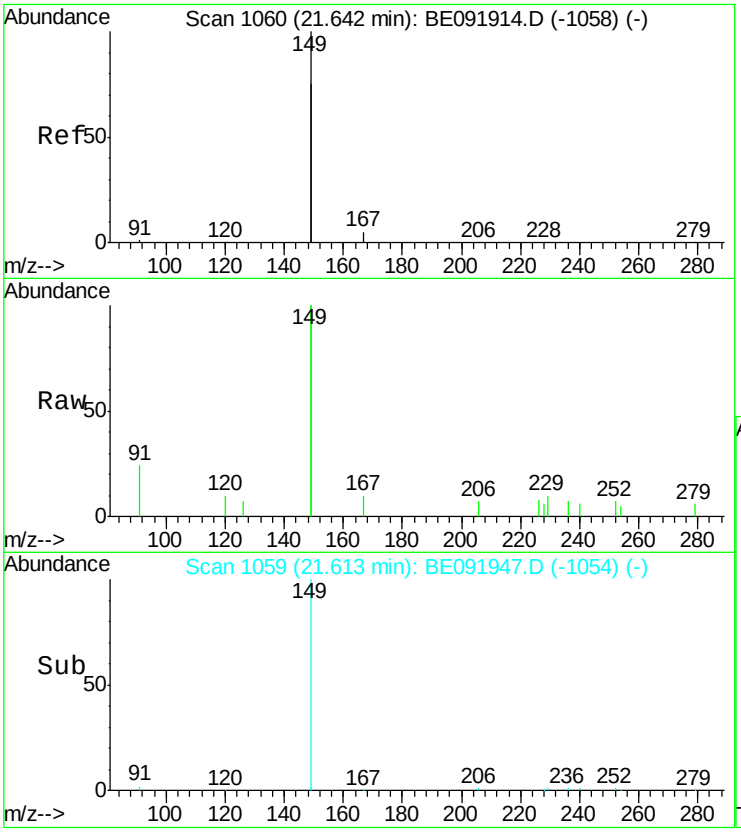


#37
Chrysene
Concen: 0.45 ng
RT: 21.79 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:228 Resp: 23373

Ion	Ratio	Lower	Upper
228	100		
226	41.0	27.0	40.6#
229	29.5	13.8	20.8#



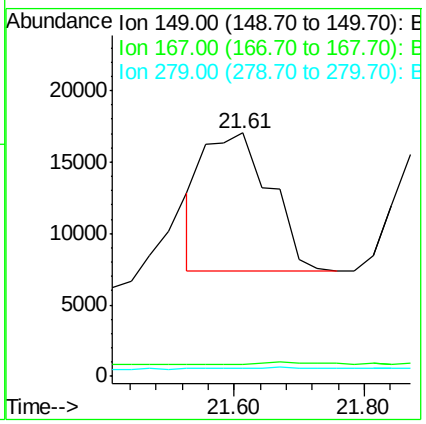


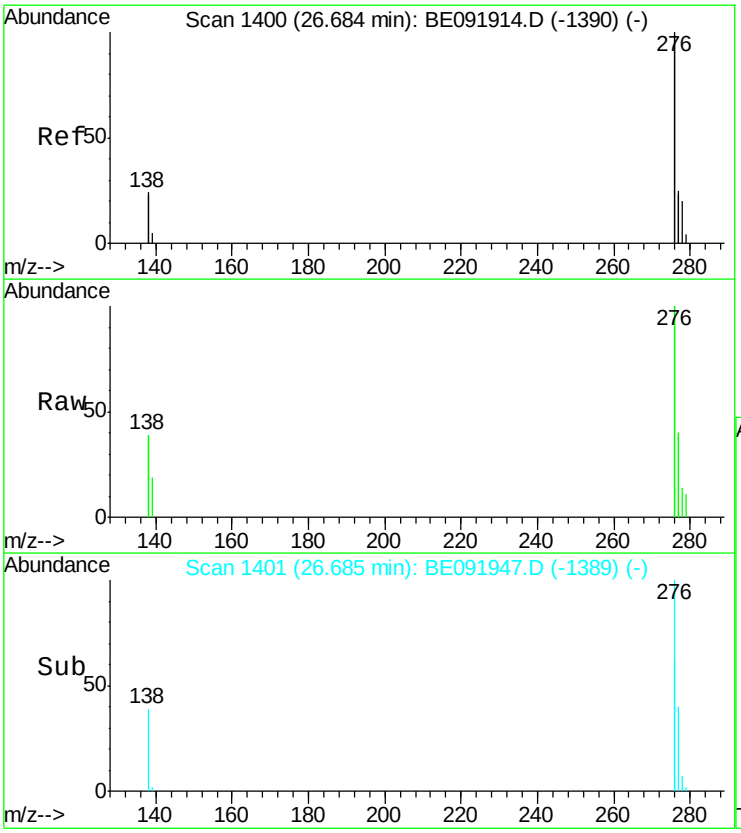
#38
Bis(2-ethylhexyl)phthalate
Concen: 2.56 ng
RT: 21.61 min Scan# 1059
Delta R.T. -0.06 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:149 Resp: 68964

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
279	0.0	0.0	0.0

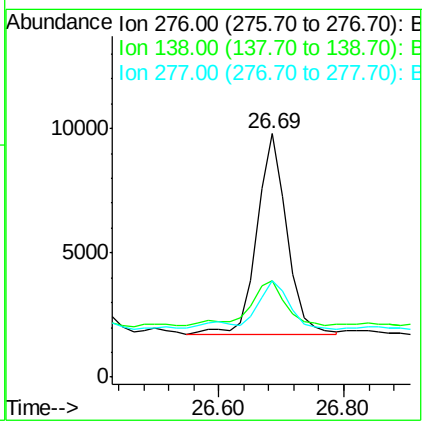


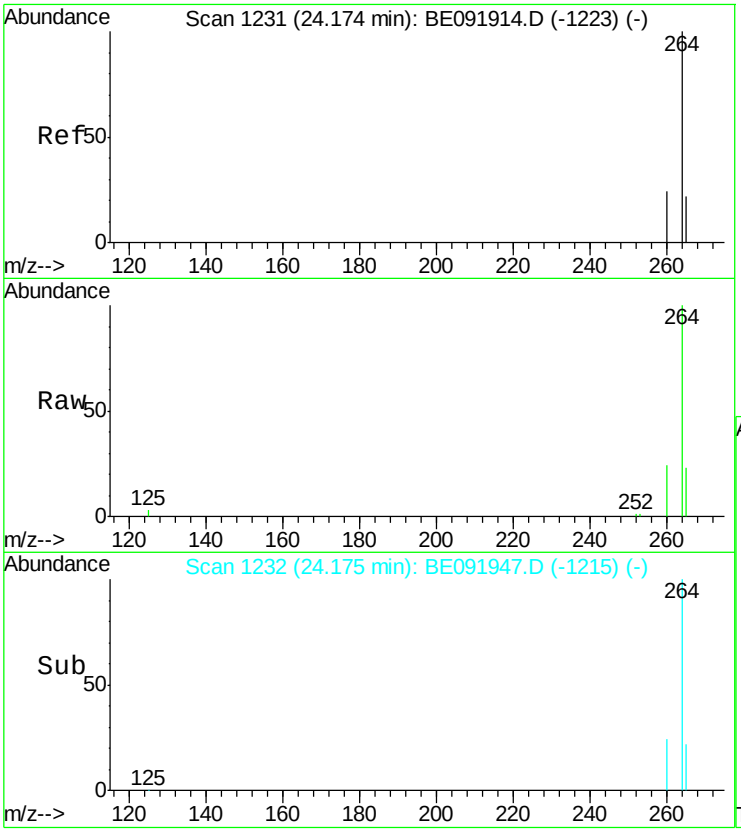


#39
Indeno(1,2,3-cd)pyrene
Concen: 0.15 ng
RT: 26.69 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:276 Resp: 26845

Ion	Ratio	Lower	Upper
276	100		
138	26.5	19.7	29.5
277	24.6	20.1	30.1



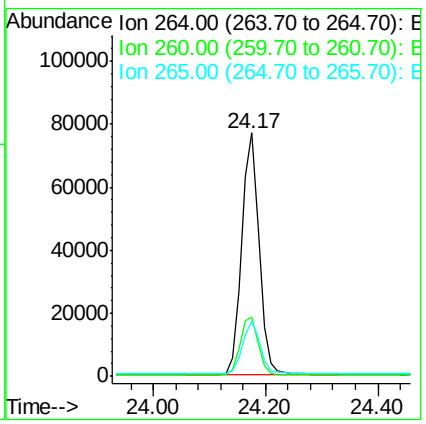


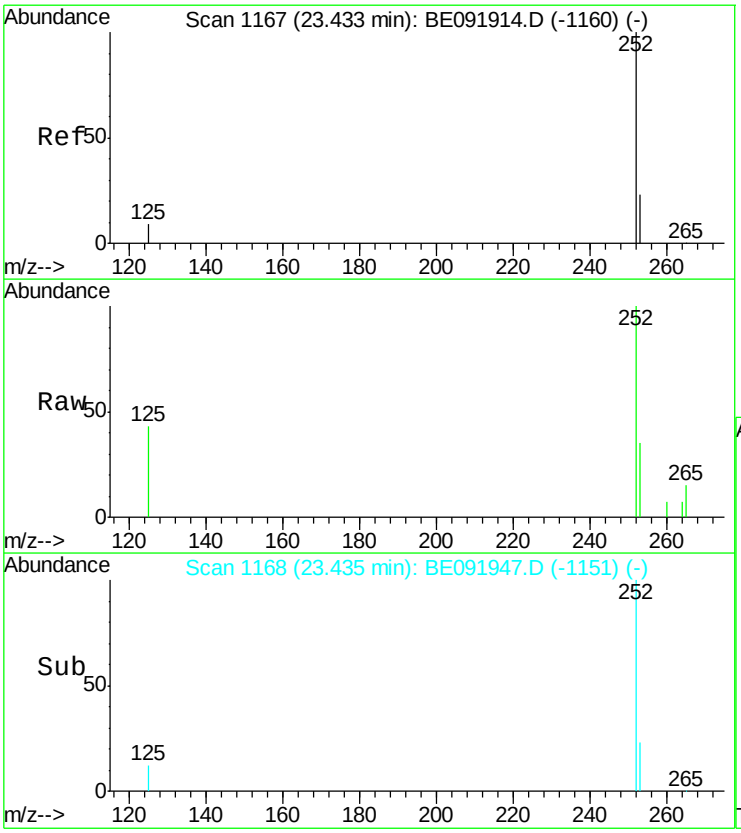
#40
Perylene-d12
Concen: 5.00 ng
RT: 24.17 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:264 Resp: 168884

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.3	30.5
265	22.9	17.6	26.4

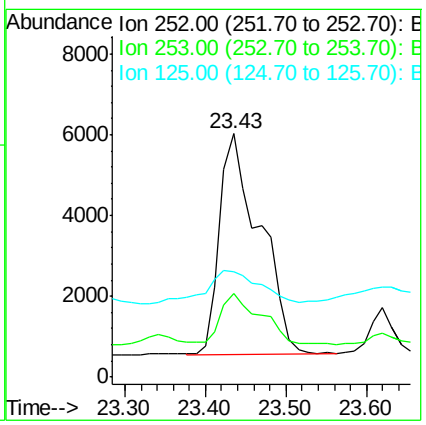


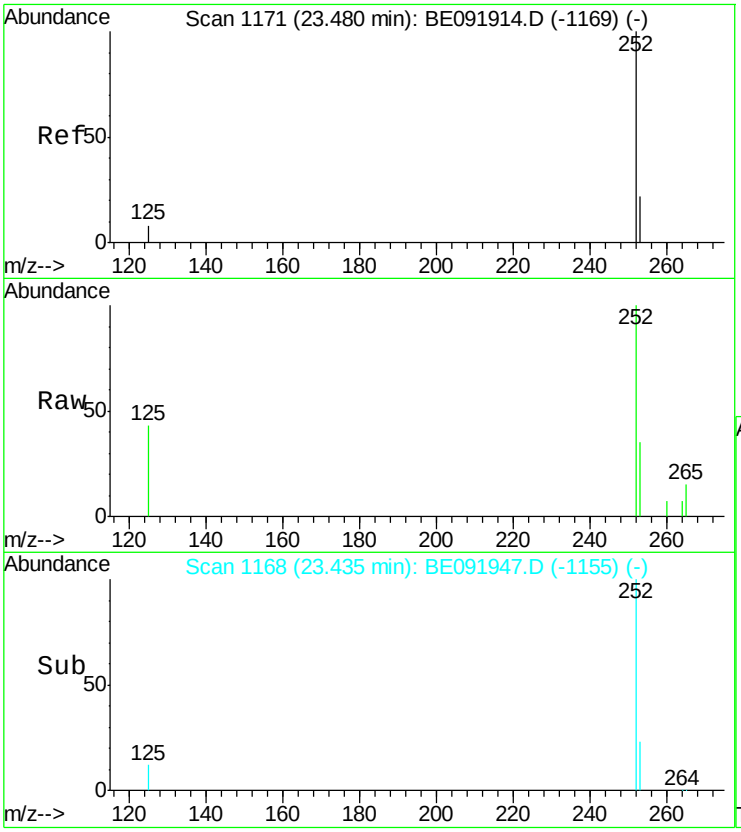


#41
Benzo(b)fluoranthene
Concen: 0.44 ng
RT: 23.43 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:252 Resp: 18924

Ion	Ratio	Lower	Upper
252	100		
253	34.5	17.8	26.6#
125	43.2	9.4	14.2#



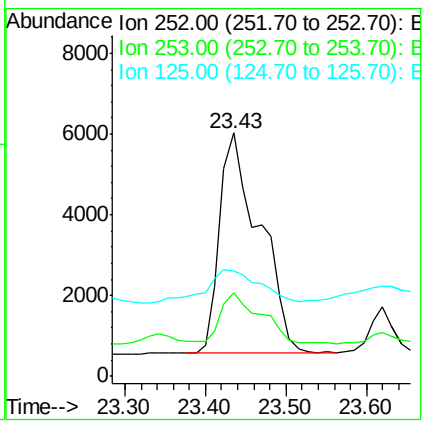


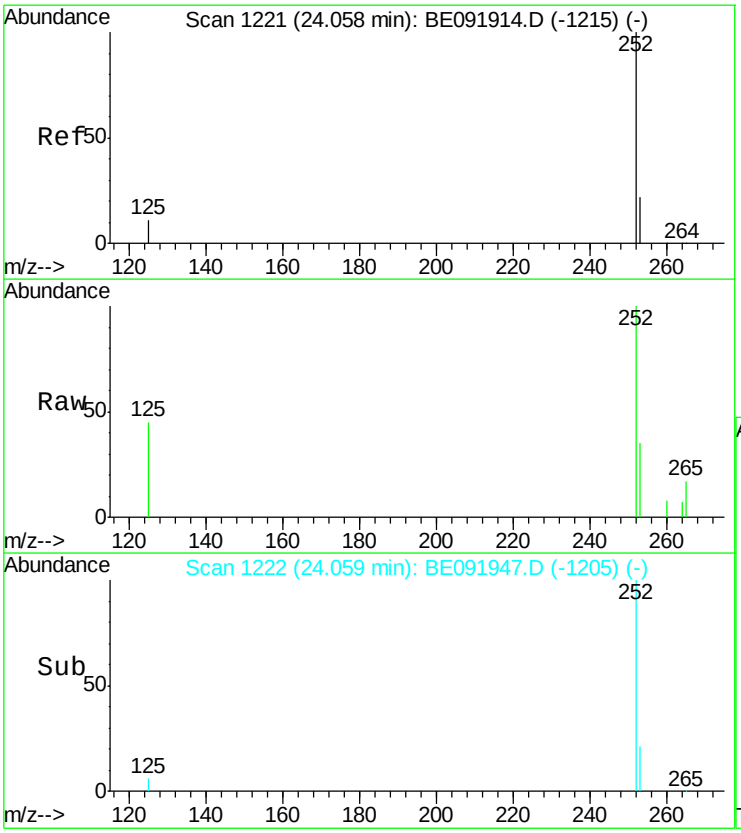
#42
Benzo(k)fluoranthene
Concen: 0.47 ng
RT: 23.43 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:252 Resp: 18807

Ion	Ratio	Lower	Upper
252	100		
253	34.5	19.4	29.2#
125	43.2	8.3	12.5#

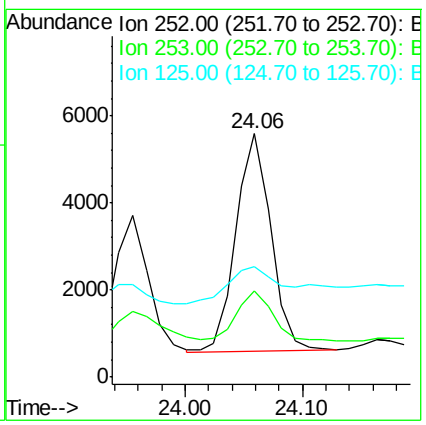


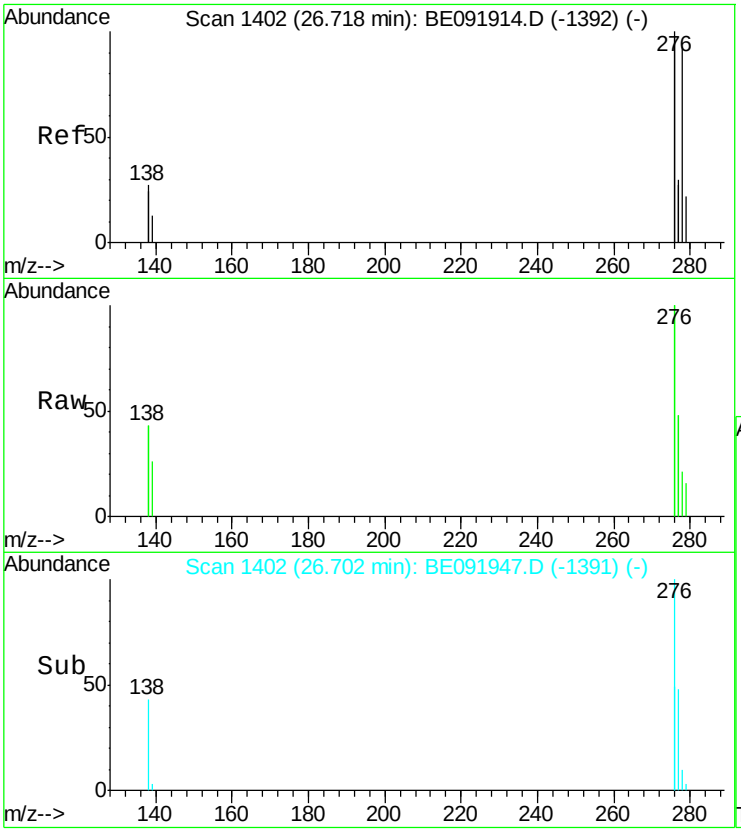


#43
Benzo(a)pyrene
Concen: 0.27 ng
RT: 24.06 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:252 Resp: 10382

Ion	Ratio	Lower	Upper
252	100		
253	35.5	18.9	28.3#
125	45.4	10.5	15.7#



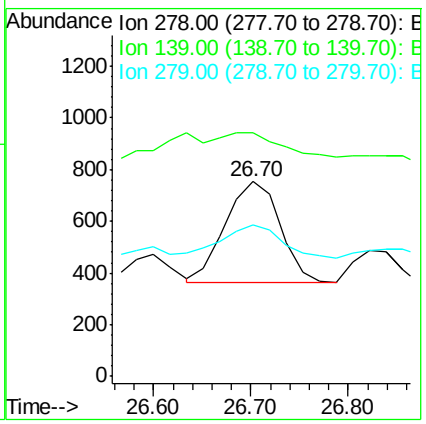


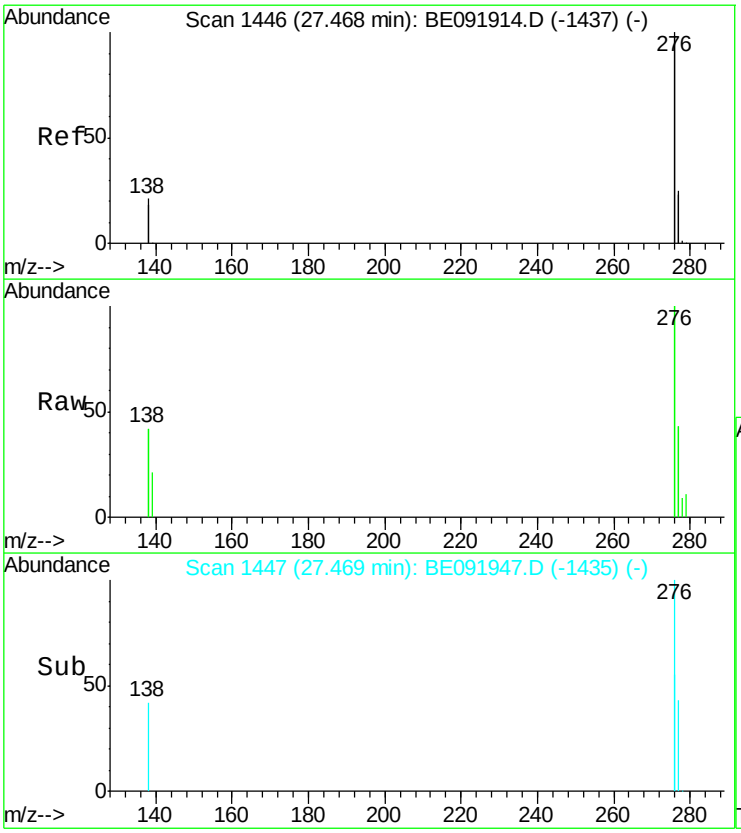
#44
Dibenzo(a,h)anthracene
Concen: 0.04 ng
RT: 26.70 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tgt Ion:278 Resp: 1531

Ion	Ratio	Lower	Upper
278	100		
139	125.1	12.6	18.8#
279	77.6	20.0	30.0#





#45
Benzo(g,h,i)perylene
Concen: 0.16 ng
RT: 27.47 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:276 Resp: 24781

Ion	Ratio	Lower	Upper
276	100		
277	43.2	19.5	29.3#
138	41.8	17.7	26.5#