Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052516\
Data File : BE091872.D
Acq On : 25 May 2016 23:34
Operator : UM/SJ
Sample : H3156-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SP-001-160517

Quant Time: May 26 01:38:46 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 19:42:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	30392	5.00	ng		0.00
8) Naphthalene-d8	10.55	136	155555	5.00	ng		0.00
15) Acenaphthene-d10	14.40	164	95216	5.00	ng		0.00
24) Phenanthrene-d10	17.13	188	276730	5.00	ng		-0.01
31) Chrysene-d12	21.29	240	280945	5.00	ng		0.00
40) Perylene-d12	23.72	264	257671	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	51990	5.98	ng		0.00
5) Phenol-d6	6.96	99	86505	7.59	ng		0.00
9) Nitrobenzene-d5	8.91	82	38889	3.08	ng		-0.02
16) 2,4,6-Tribromophenol	15.87	330	29155	6.87	ng		-0.02
17) 2-Fluorobiphenyl	13.01	172	113909	4.02	ng		-0.02
34) Terphenyl-d14	19.74	244	181125	4.27	ng		0.00
Target Compounds							Qvalue
7) n-Nitroso-di-n-propylamine	8.64	70	217	0.02	ng	#	19
18) Acenaphthylene	14.10	152	2894	0.04	ng	#	64
19) 2,6-Dinitrotoluene	13.84	165	2775	0.43	ng	#	9
20) Acenaphthene	14.44	154	1426	0.02	ng	#	80
21) 2,4-Dinitrotoluene	14.40	165	12489	1.53	ng	#	1
22) Fluorene	15.44	166	1318	0.04	ng	#	96
23) 4-Chlorophenyl-phenylether	15.11	204	727	Below Cal		#	1
27) Pentachlorophenol	16.78	266	250	0.07	ng		94
28) Phenanthrene	17.17	178	53630	0.97	ng		100
29) Anthracene	17.17	178	53638	0.97	ng		99
30) Fluoranthene	19.17	202	228595	3.71	ng		99
32) Benzidine	19.44	184	331	0.12	ng	#	1
33) Pyrene	19.53	202	209246	3.51	ng		95
35) Benzo(a)anthracene	21.27	228	308627	4.12	ng		99
36) 3,3'-Dichlorobenzidine	21.33	252	1614	0.04	ng	#	35
37) Chrysene	21.27	228	308421	5.70	ng	#	88
38) Bis(2-ethylhexyl)phthalate	21.17	149	6261	0.23	ng	#	100
39) Indeno(1,2,3-cd)pyrene	26.25	276	126556	1.80	ng		95
41) Benzo(b)fluoranthene	22.96	252	328143	4.72	ng		99
42) Benzo(k)fluoranthene	22.96	252	328143	5.20	ng		97
43) Benzo(a)pyrene	23.60	252	145536	2.31	ng		97
44) Dibenzo(a,h)anthracene	26.27	278	28922	0.48	ng	#	94
45) Benzo(g,h,i)perylene	27.05	276	131511	2.15	ng		98

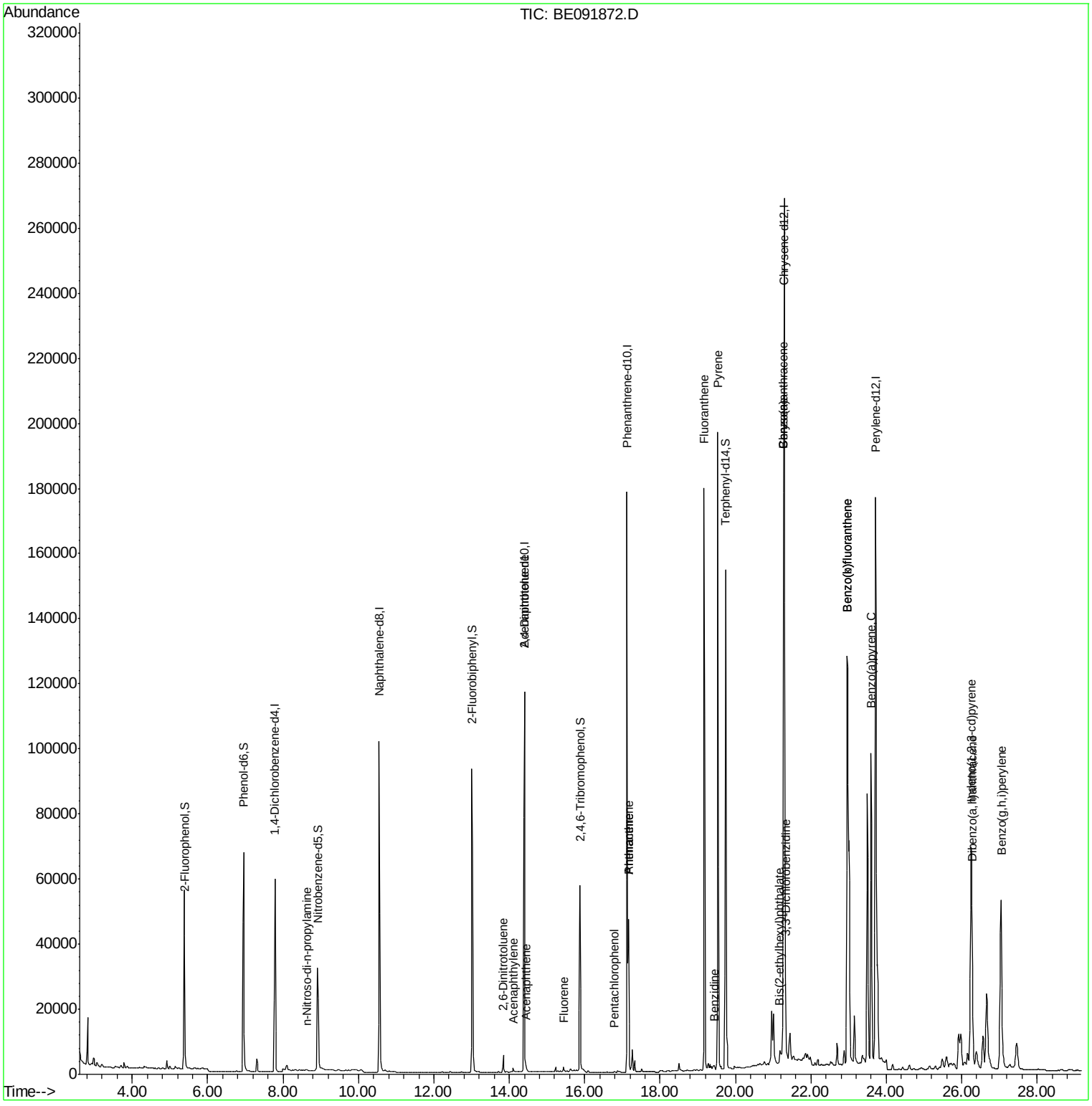
(#) = qualifier out of range (m) = manual integration (+) = signals summed

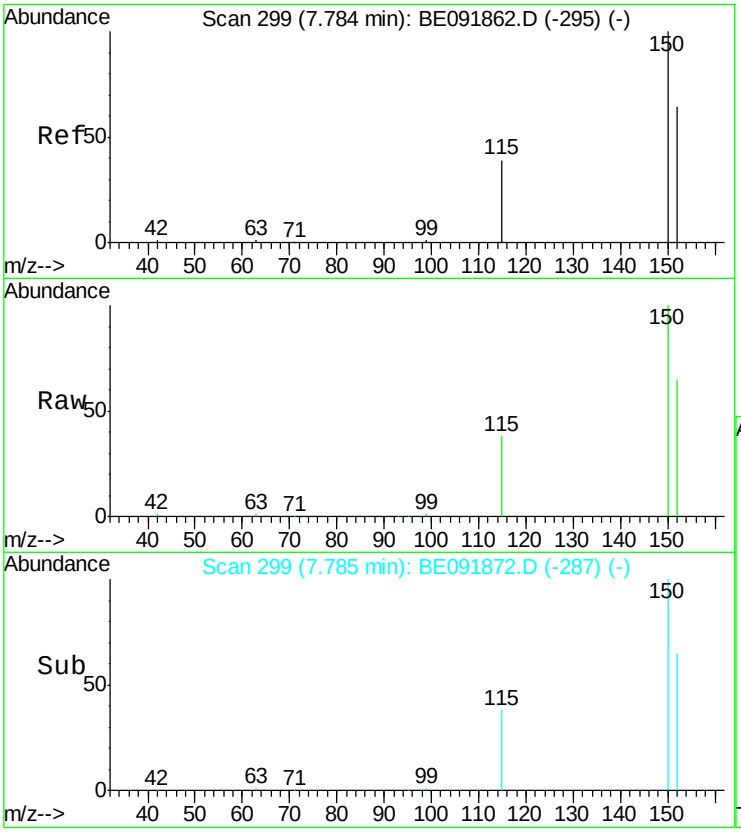
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052516\
Data File : BE091872.D
Acq On : 25 May 2016 23:34
Operator : UM/SJ
Sample : H3156-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Quant Time: May 26 01:38:46 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 19:42:30 2016
Response via : Initial Calibration



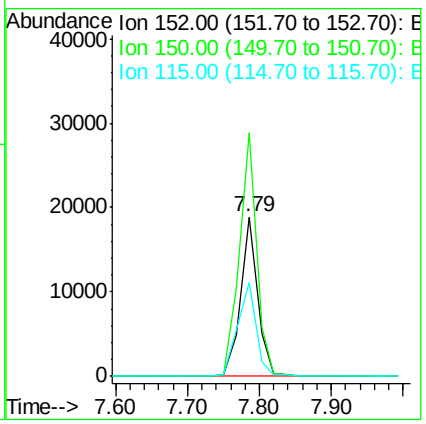


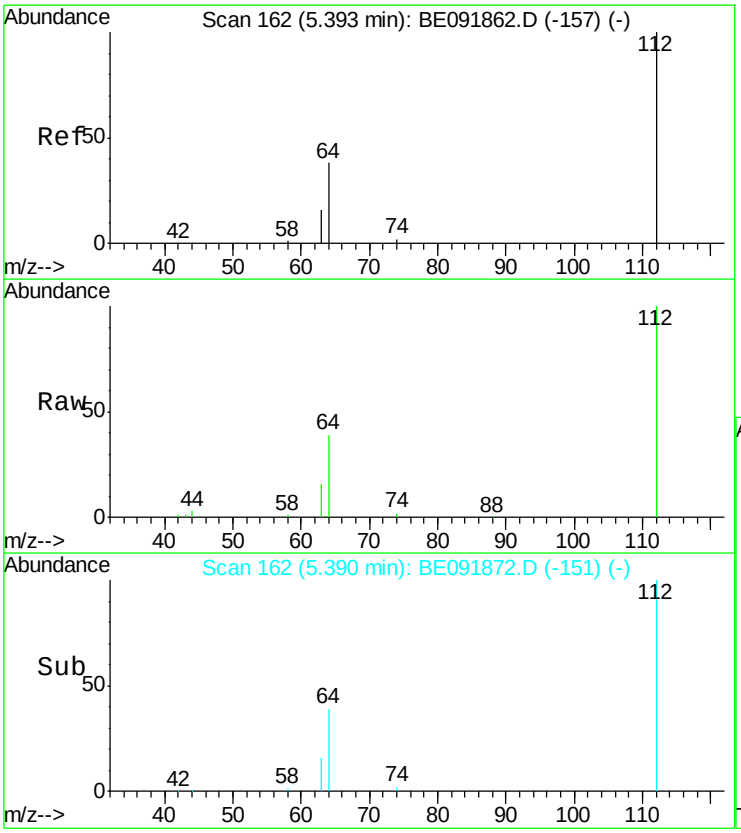
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:152 Resp: 30392

Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.9	185.9
115	58.7	48.3	72.5

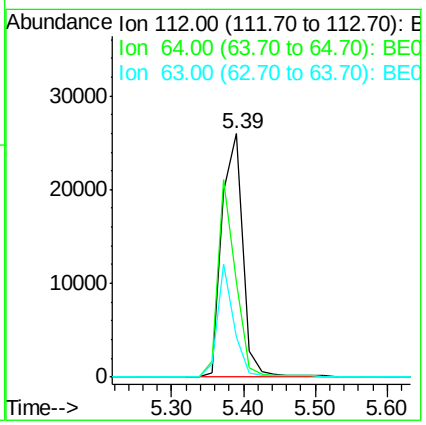


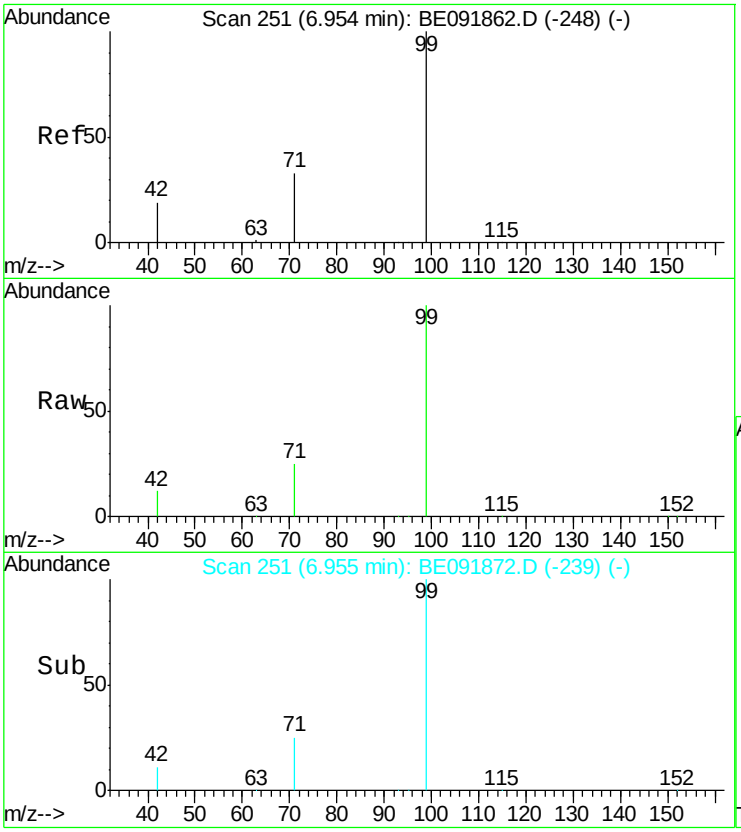


#4
2-Fluorophenol
Concen: 5.98 ng
RT: 5.39 min Scan# 162
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:112 Resp: 51990

Ion	Ratio	Lower	Upper
112	100		
64	68.2	53.7	80.5
63	36.4	29.5	44.3



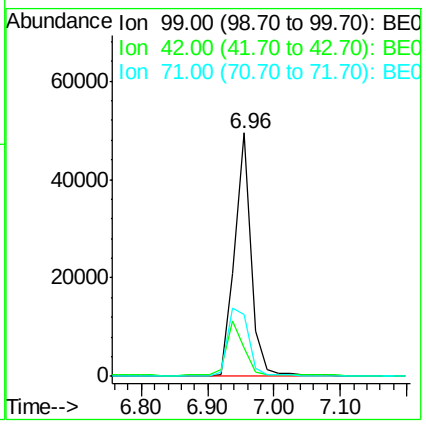


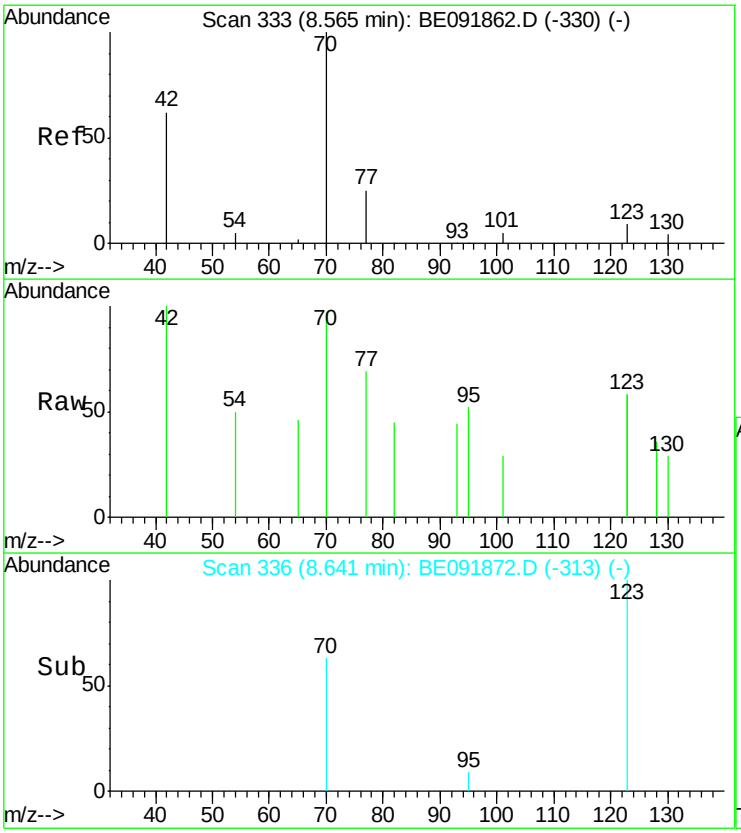
#5
Phenol-d6
Concen: 7.59 ng
RT: 6.96 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion: 99 Resp: 86505

Ion	Ratio	Lower	Upper
99	100		
42	22.9	19.6	29.4
71	35.5	28.1	42.1

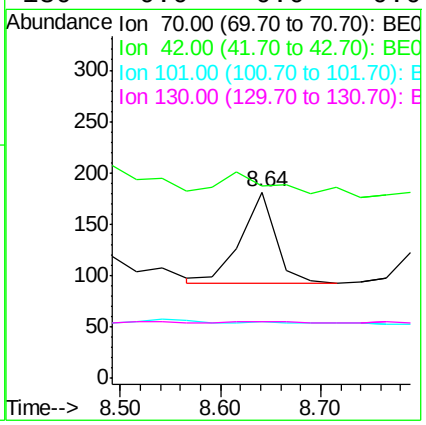


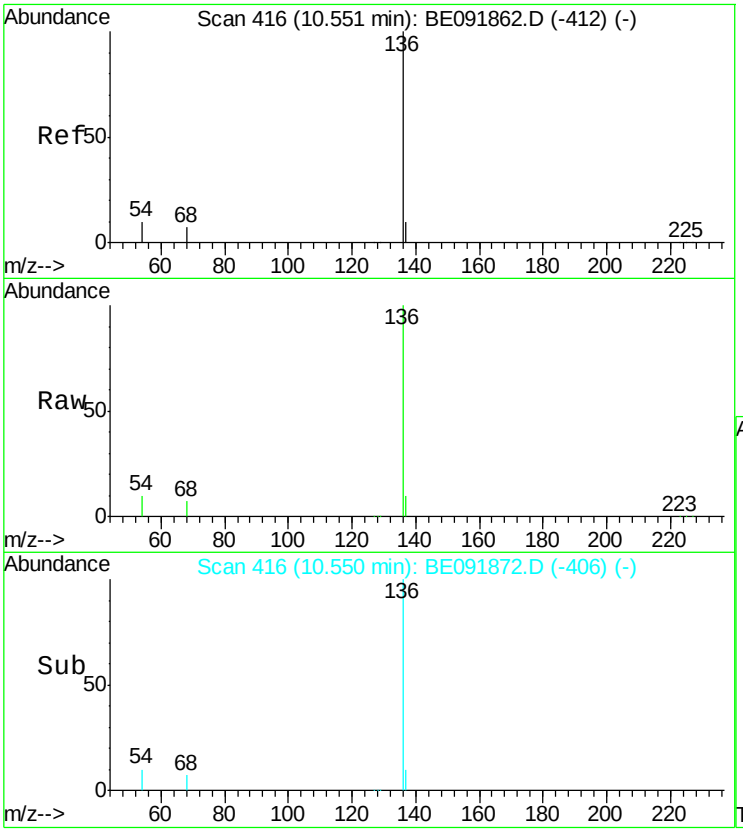


#7
n-Nitroso-di-n-propylamine
Concen: 0.02 ng
RT: 8.64 min Scan# 336
Delta R.T. 0.08 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion: 70 Resp: 217

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



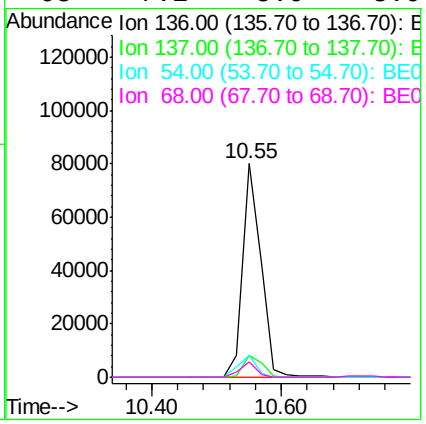


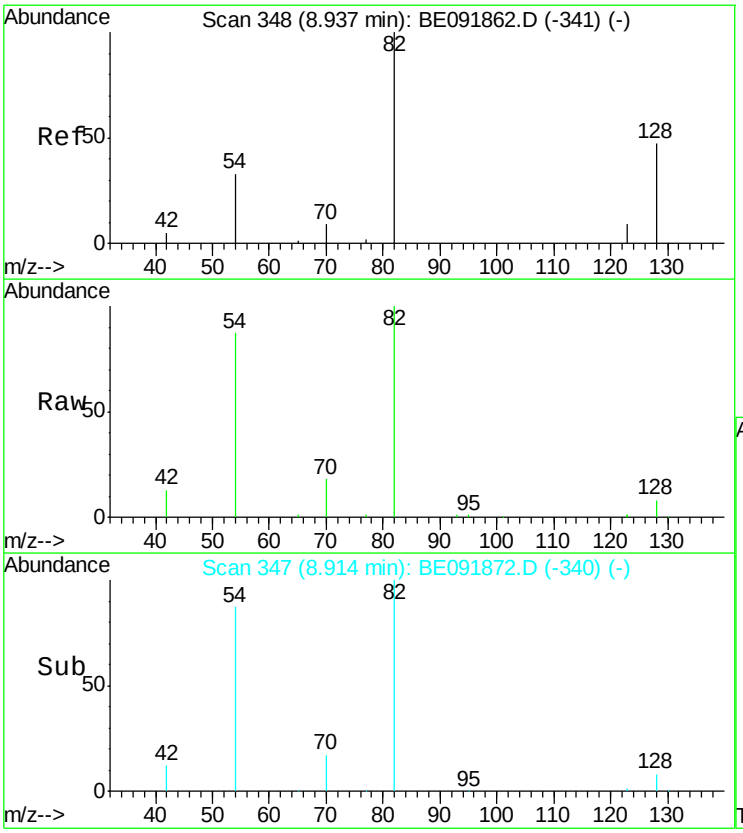
#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 416
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:136 Resp: 155555

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.3	12.5
54	10.0	8.2	12.4
68	7.2	5.9	8.9

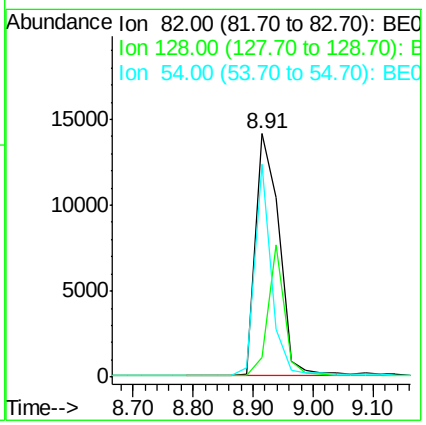


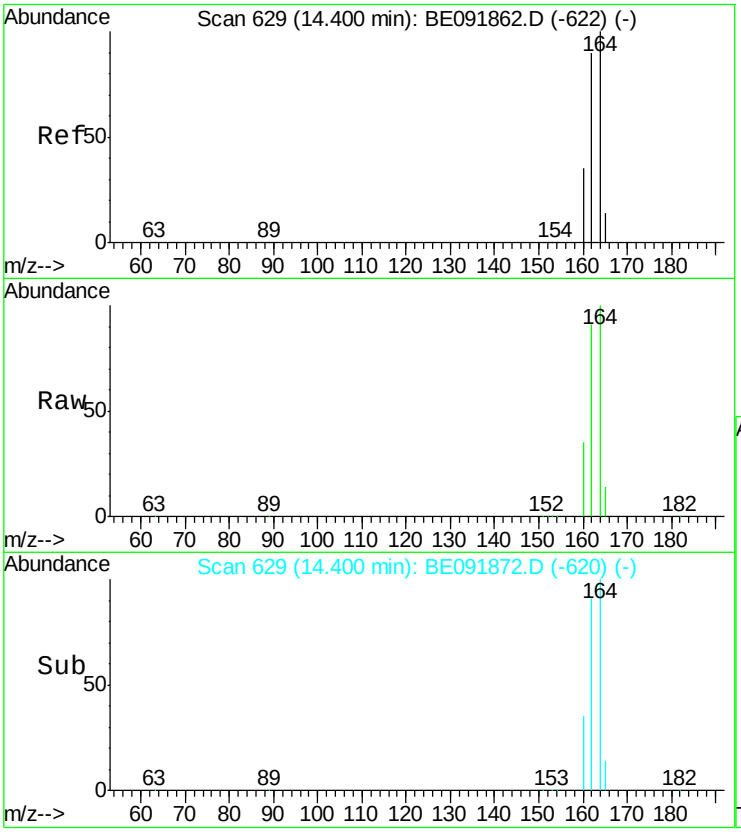


#9
Nitrobenzene-d5
Concen: 3.08 ng
RT: 8.91 min Scan# 347
Delta R.T. -0.02 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion: 82 Resp: 38889

Ion	Ratio	Lower	Upper
82	100		
128	8.0	39.5	59.3#
54	87.4	30.3	45.5#



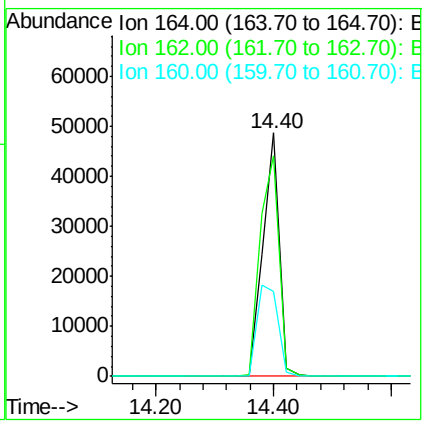


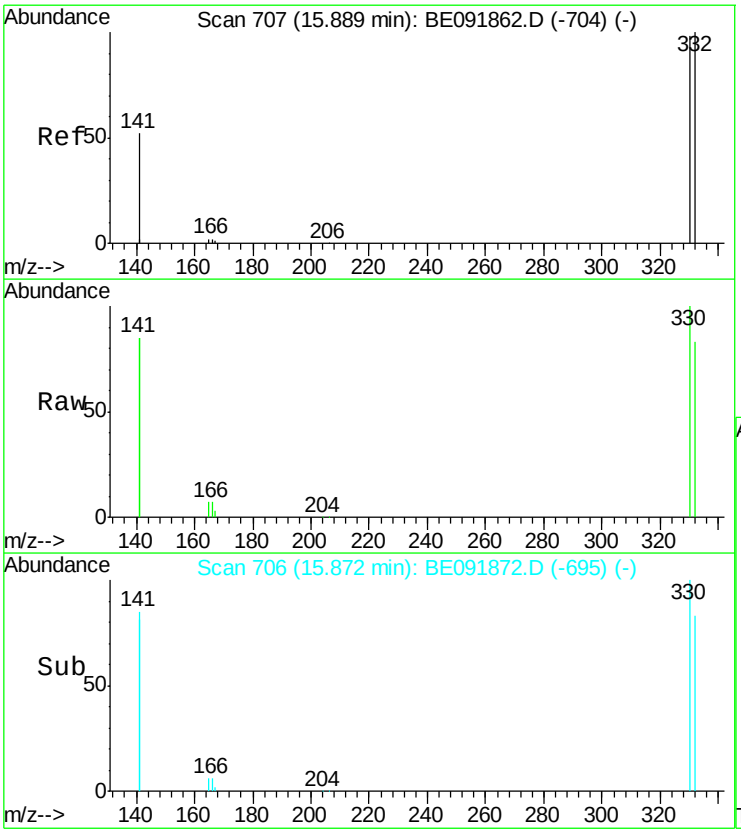
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 629
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:164 Resp: 95216

Ion	Ratio	Lower	Upper
164	100		
162	90.7	71.8	107.8
160	34.8	28.0	42.0

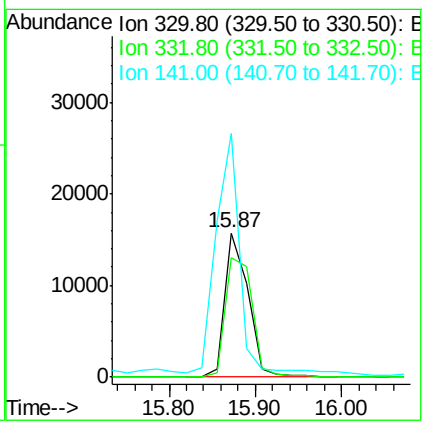


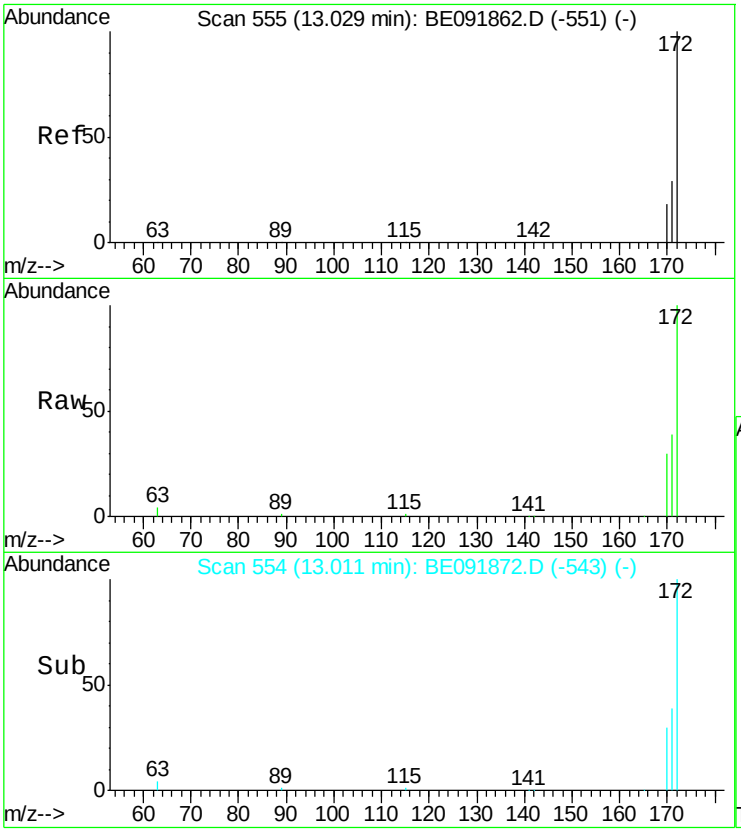


#16
2,4,6-Tribromophenol
Concen: 6.87 ng
RT: 15.87 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:330 Resp: 29155

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	168.1	138.4	207.6



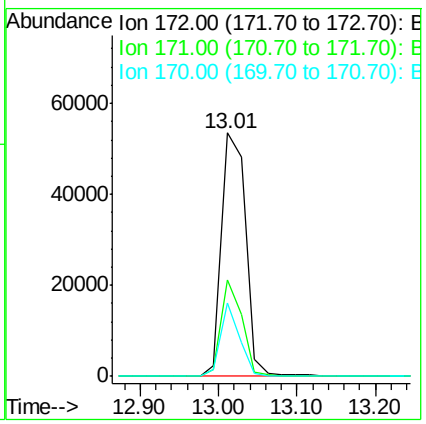


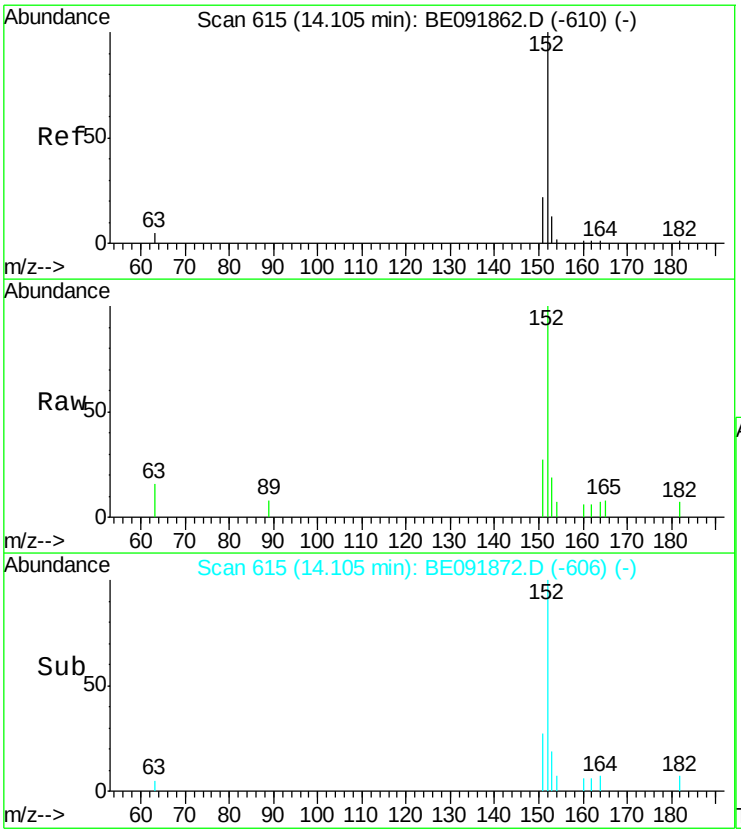
#17
2-Fluorobiphenyl
Concen: 4.02 ng
RT: 13.01 min Scan# 554
Delta R.T. -0.02 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:172 Resp: 113909

Ion	Ratio	Lower	Upper
172	100		
171	39.4	24.3	36.5#
170	30.1	14.9	22.3#

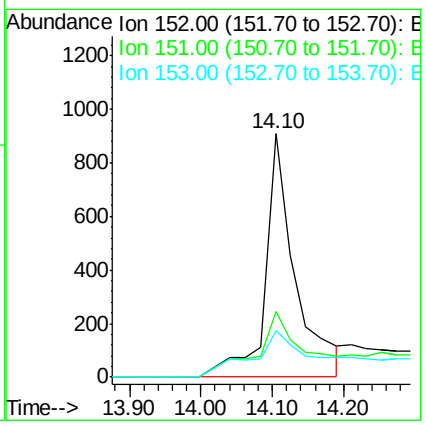


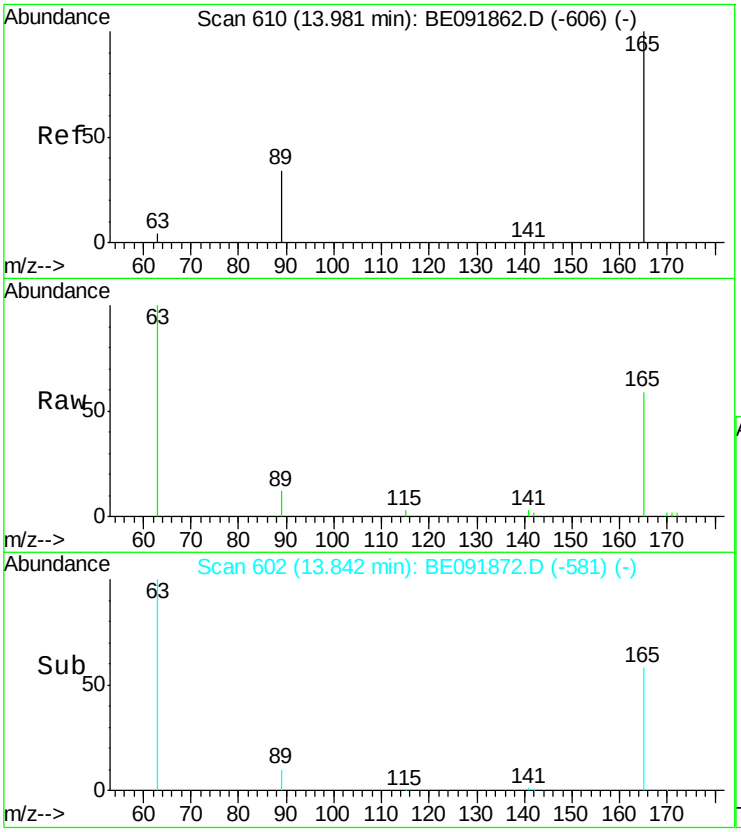


#18
Acenaphthylene
Concen: 0.04 ng
RT: 14.10 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:152 Resp: 2894

Ion	Ratio	Lower	Upper
152	100		
151	41.1	19.4	29.2#
153	34.9	14.4	21.6#



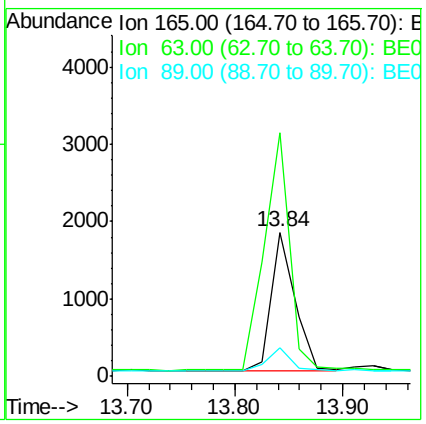


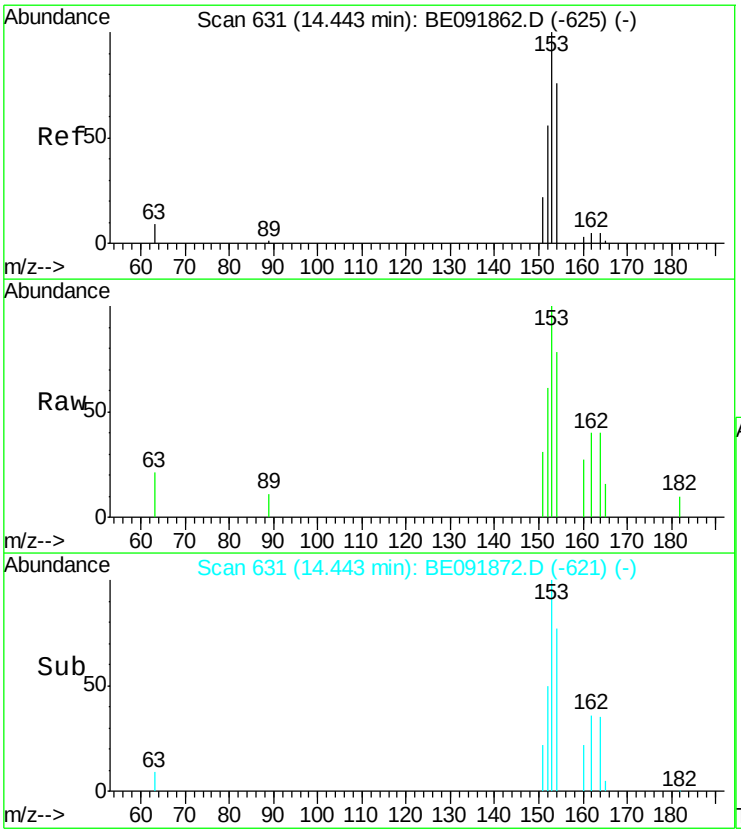
#19
2,6-Dinitrotoluene
Concen: 0.43 ng
RT: 13.84 min Scan# 602
Delta R.T. -0.14 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:165 Resp: 2775

Ion	Ratio	Lower	Upper
165	100		
63	182.8	65.9	98.9#
89	16.4	59.1	88.7#

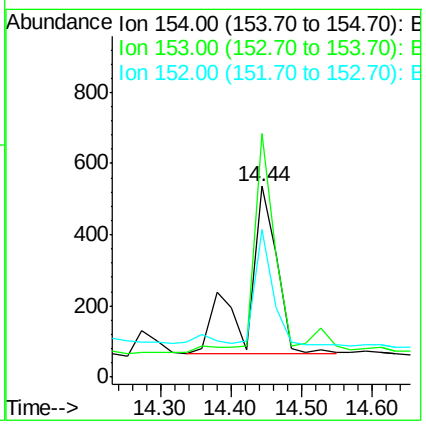


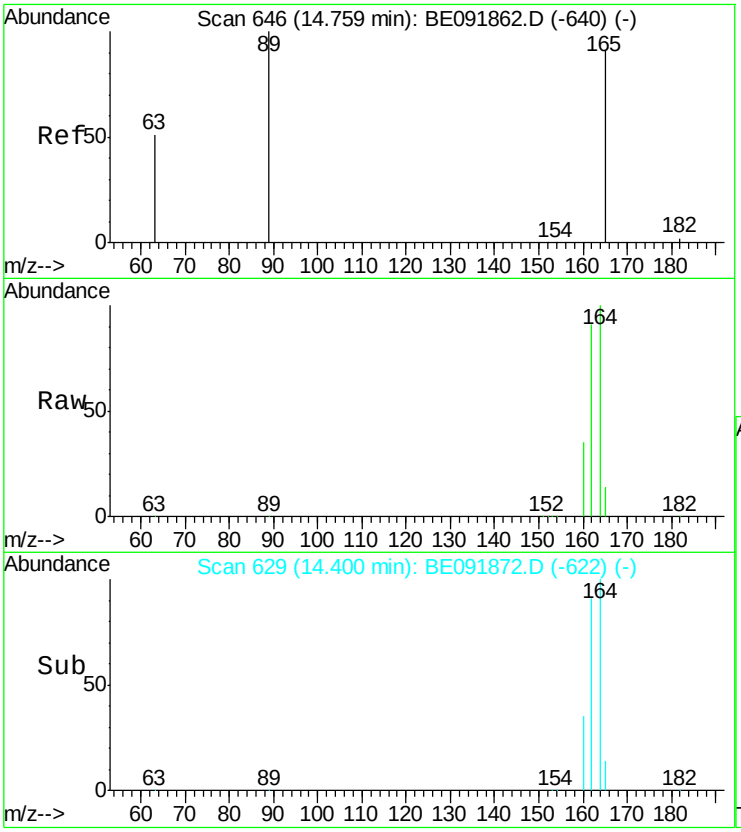


#20
Acenaphthene
Concen: 0.02 ng
RT: 14.44 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:154 Resp: 1426

Ion	Ratio	Lower	Upper
154	100		
153	89.6	88.1	132.1
152	40.5	44.2	66.2#



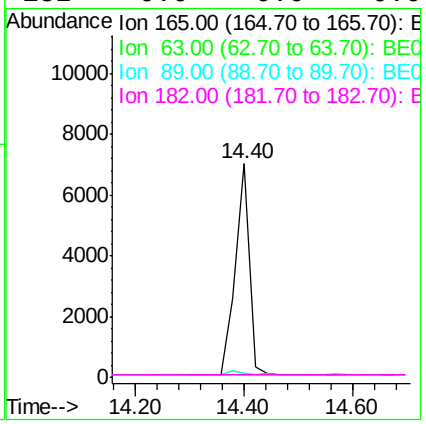


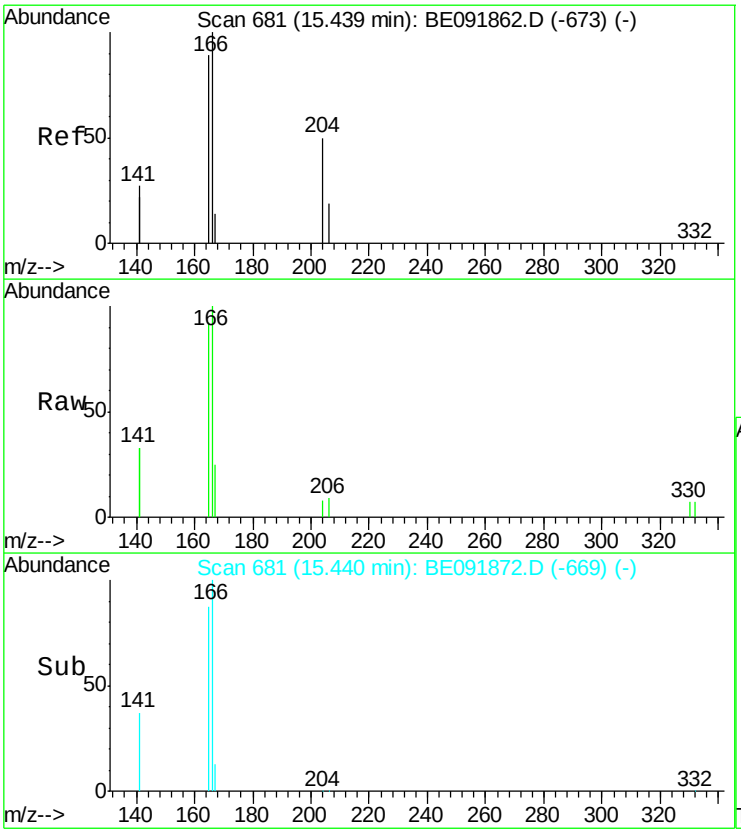
#21
2,4-Dinitrotoluene
Concen: 1.53 ng
RT: 14.40 min Scan# 629
Delta R.T. -0.36 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:165 Resp: 12489

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

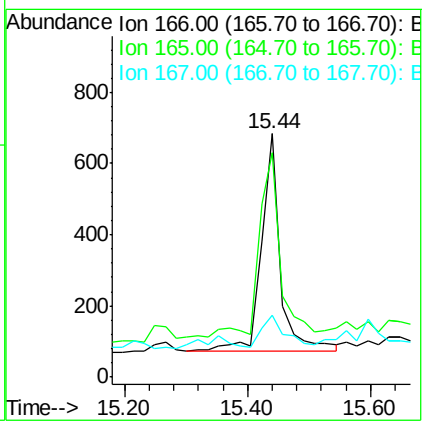


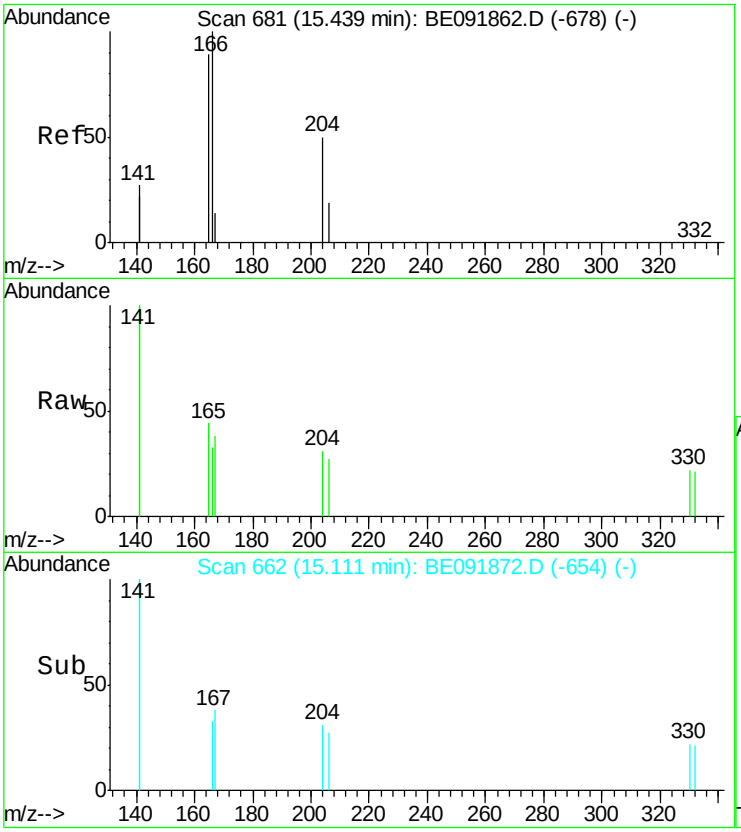


#22
Fluorene
Concen: 0.04 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:166 Resp: 1318

Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.6	117.8
167	17.8	10.8	16.2#



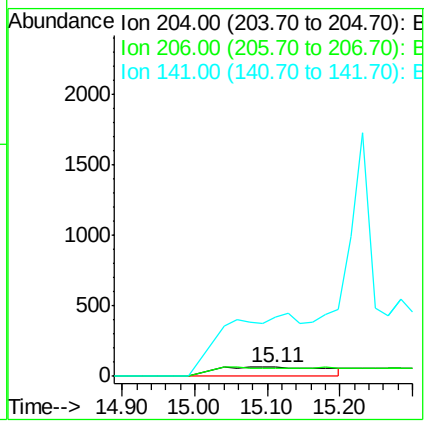


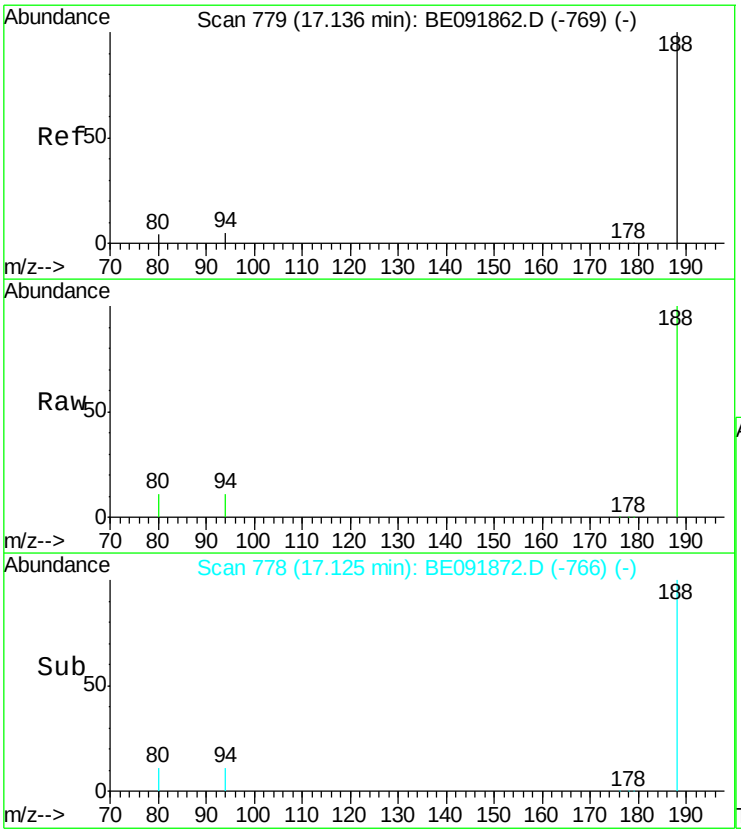
#23
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 15.11 min Scan# 662
Delta R.T. -0.33 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:204 Resp: 727

Ion	Ratio	Lower	Upper
204	100		
206	0.0	27.8	41.6#
141	500.8	197.6	296.4#

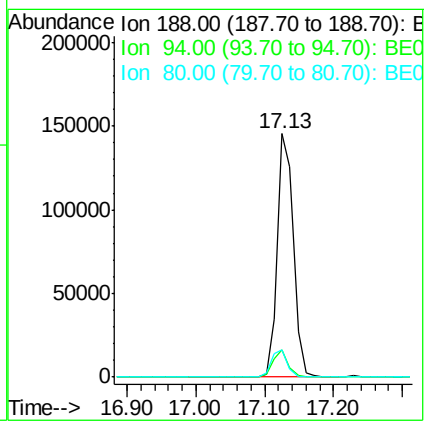


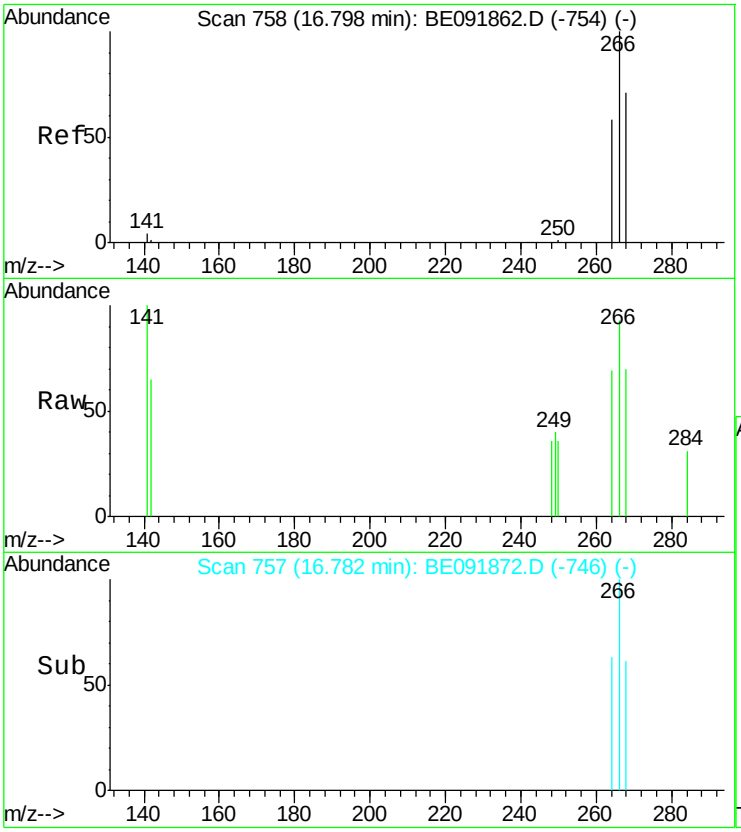


#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. -0.01 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:188 Resp: 276730

Ion	Ratio	Lower	Upper
188	100		
94	11.3	4.1	6.1#
80	11.4	3.4	5.2#



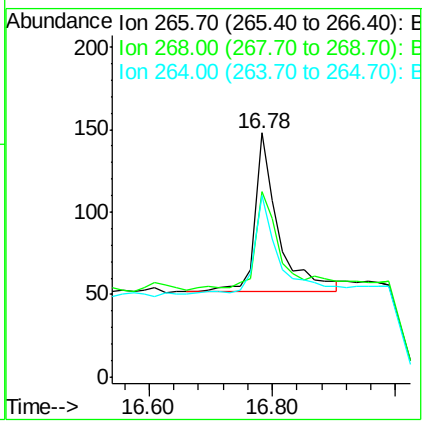


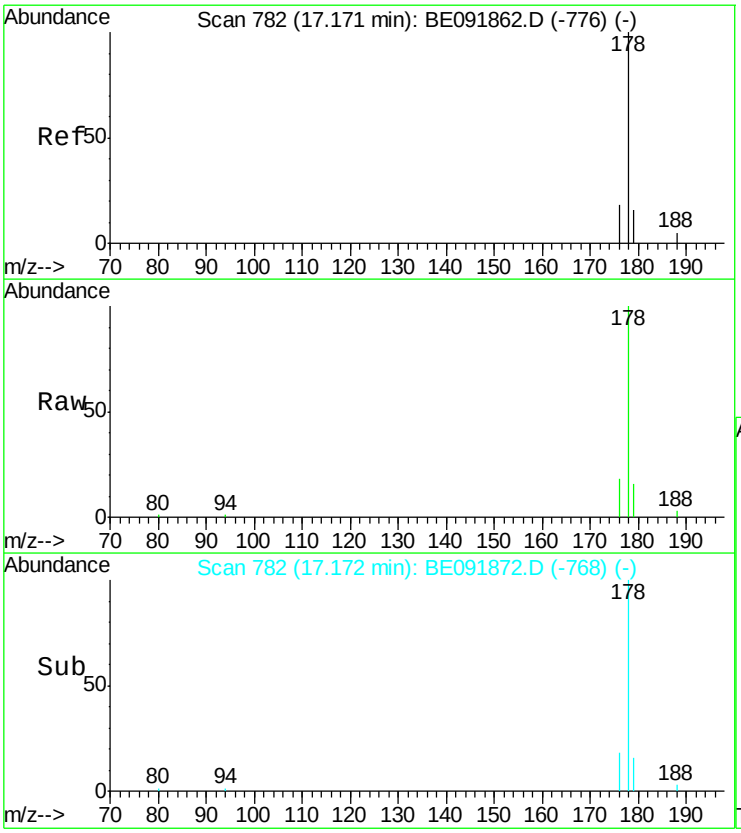
#27
Pentachlorophenol
Concen: 0.07 ng
RT: 16.78 min Scan# 757
Delta R.T. -0.02 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:266 Resp: 250

Ion	Ratio	Lower	Upper
266	100		
268	75.7	60.5	90.7
264	74.3	51.0	76.4

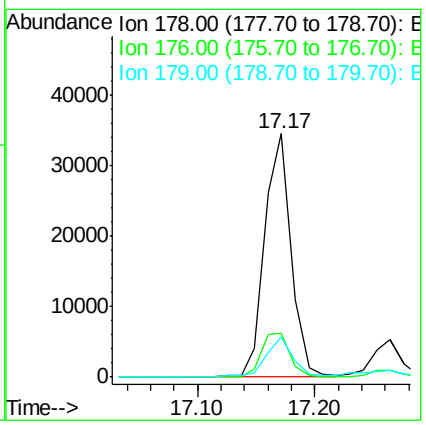


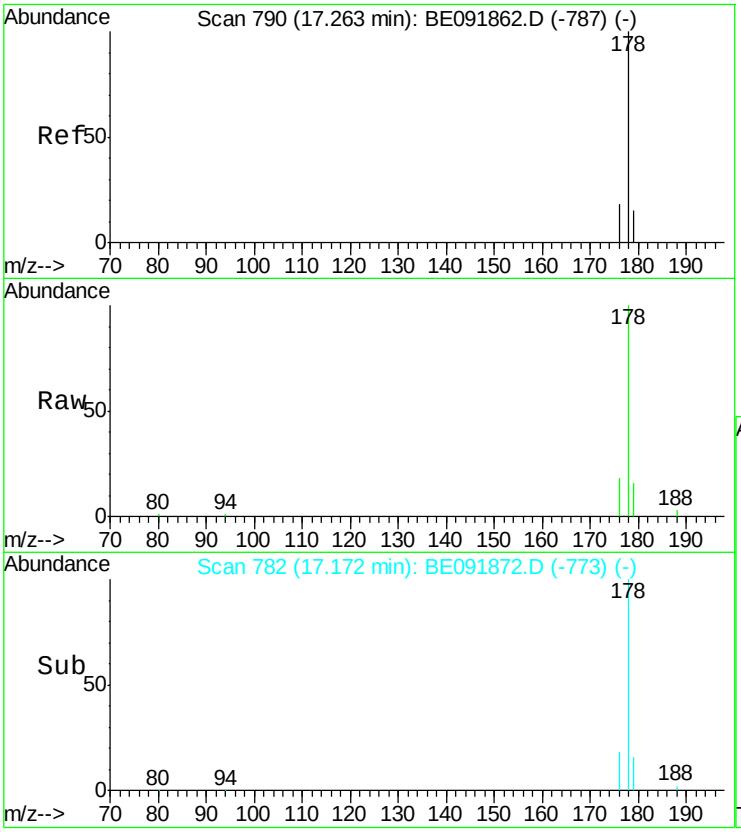


#28
Phenanthrene
Concen: 0.97 ng
RT: 17.17 min Scan# 782
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:178 Resp: 53630

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.1	12.9	19.3



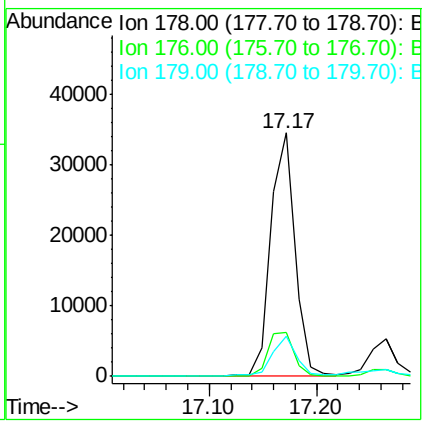


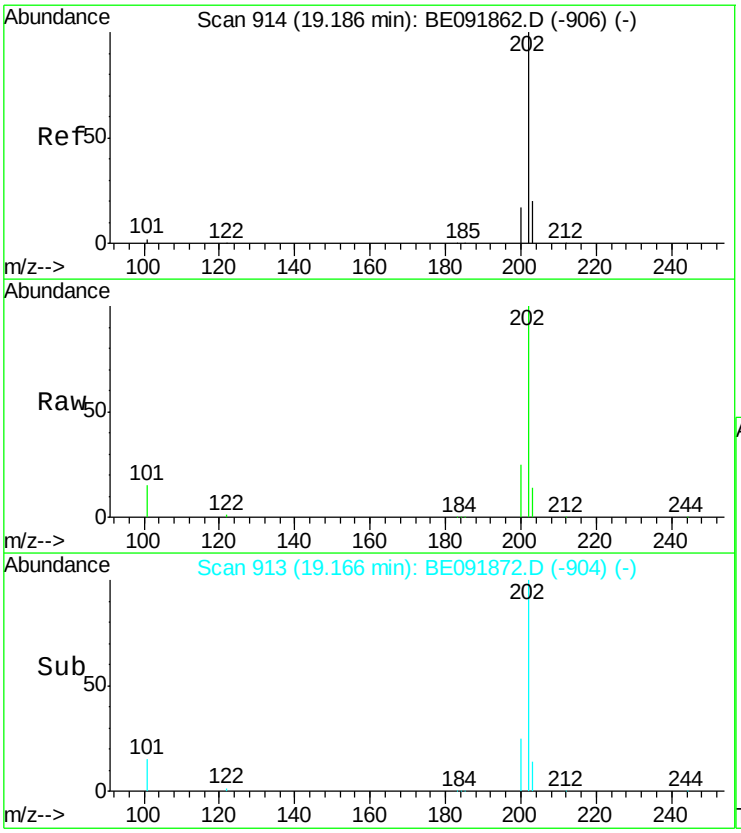
#29
Anthracene
Concen: 0.97 ng
RT: 17.17 min Scan# 782
Delta R.T. -0.09 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:178 Resp: 53638

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.8	12.1	18.1

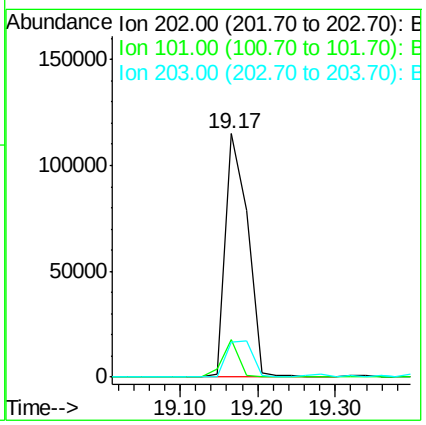


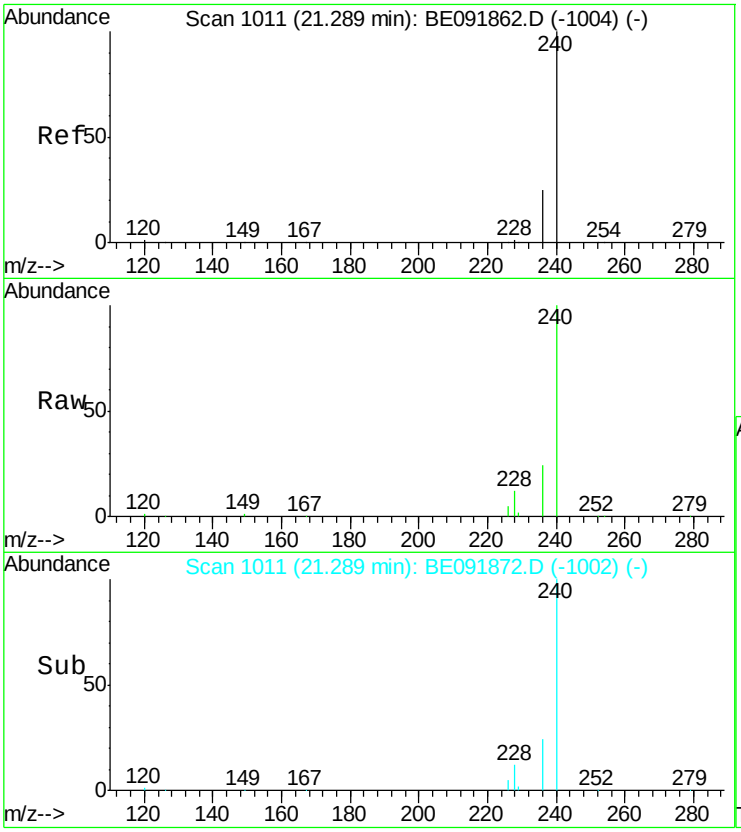


#30
Fluoranthene
Concen: 3.71 ng
RT: 19.17 min Scan# 913
Delta R.T. -0.02 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:202 Resp: 228595

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.4	14.0
203	17.2	14.3	21.5



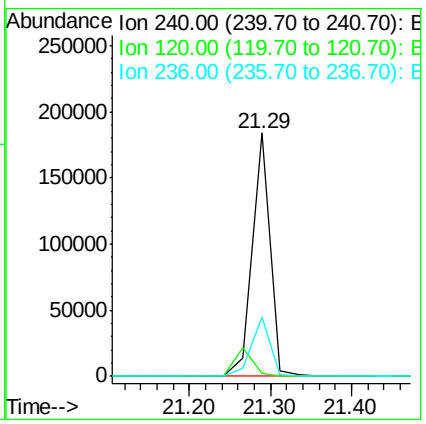


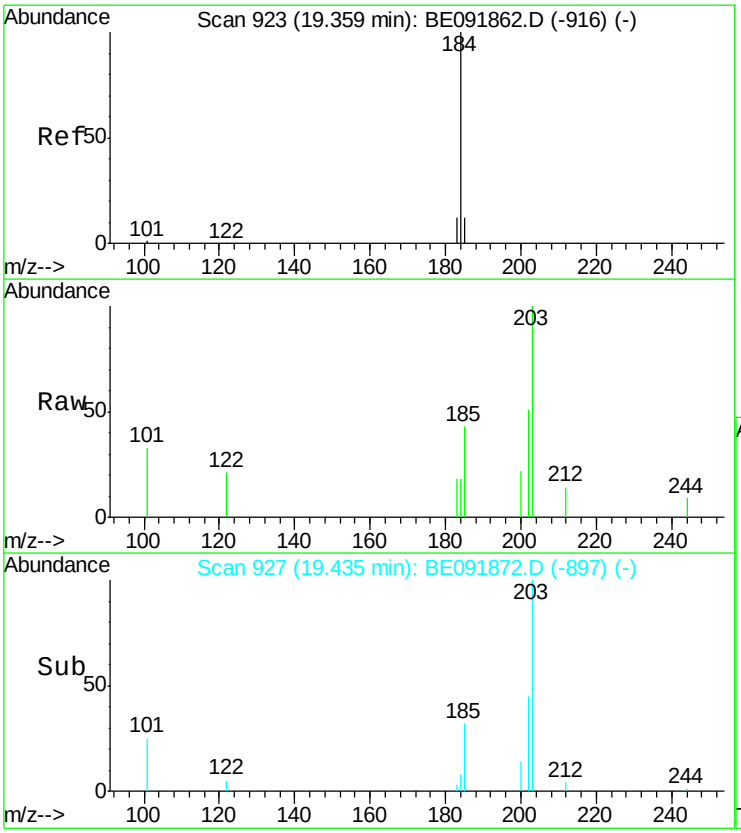
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:240 Resp: 280945

Ion	Ratio	Lower	Upper
240	100		
120	1.4	1.2	1.8
236	24.3	19.8	29.8

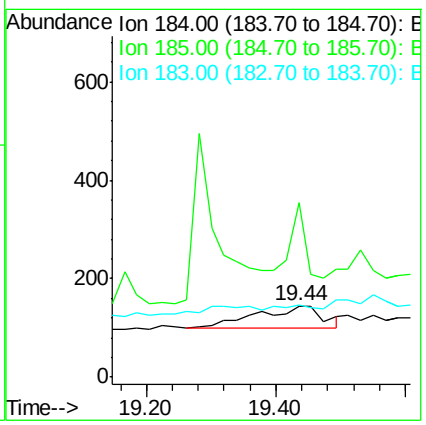


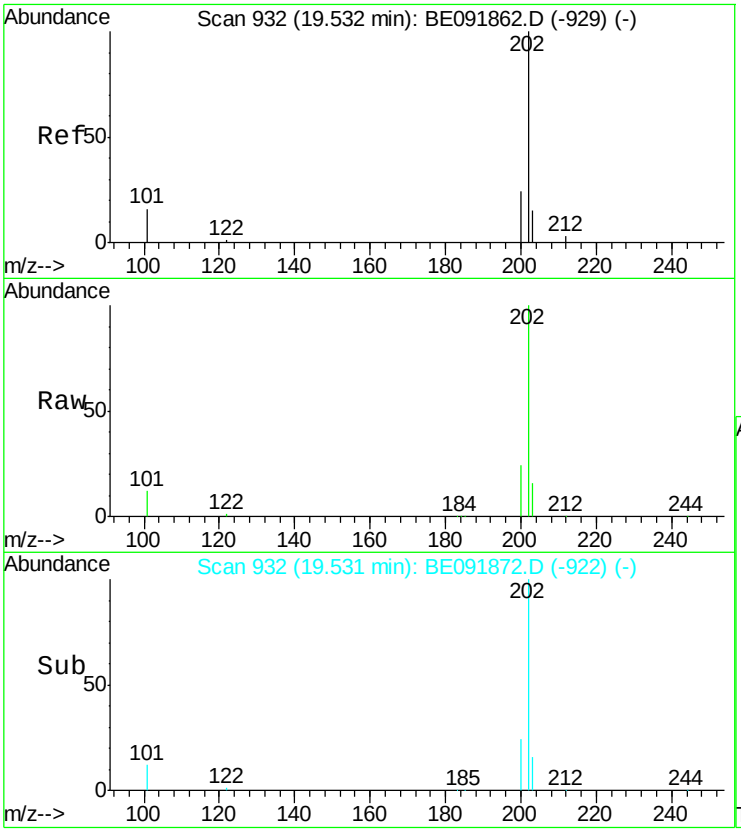


#32
Benzidine
Concen: 0.12 ng
RT: 19.44 min Scan# 927
Delta R.T. 0.08 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:184 Resp: 331

Ion	Ratio	Lower	Upper
184	100		
185	244.8	11.4	17.2#
183	101.4	11.8	17.6#



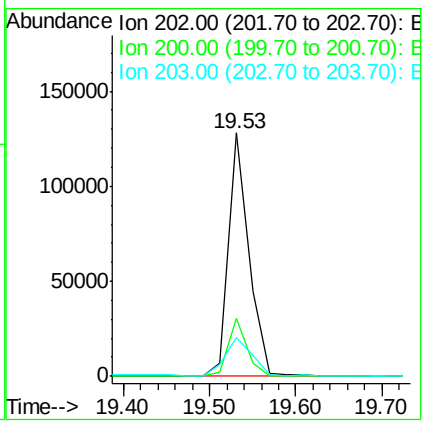


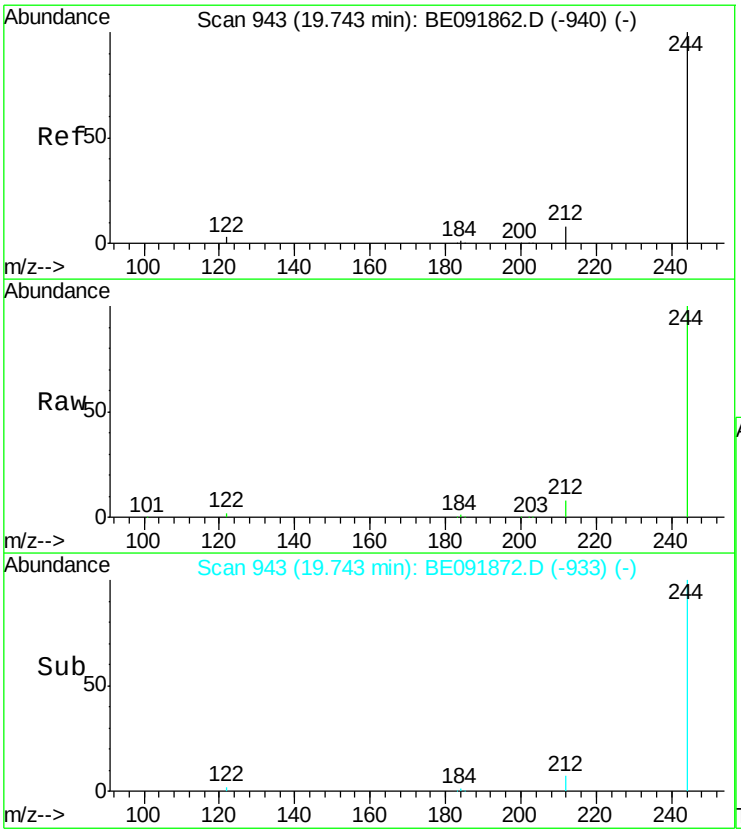
#33
Pyrene
Concen: 3.51 ng
RT: 19.53 min Scan# 932
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:202 Resp: 209246

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.9	25.3
203	20.9	14.1	21.1

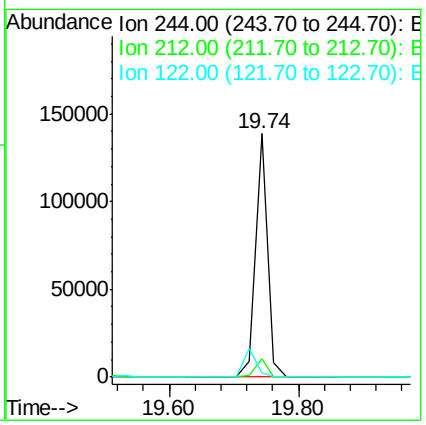


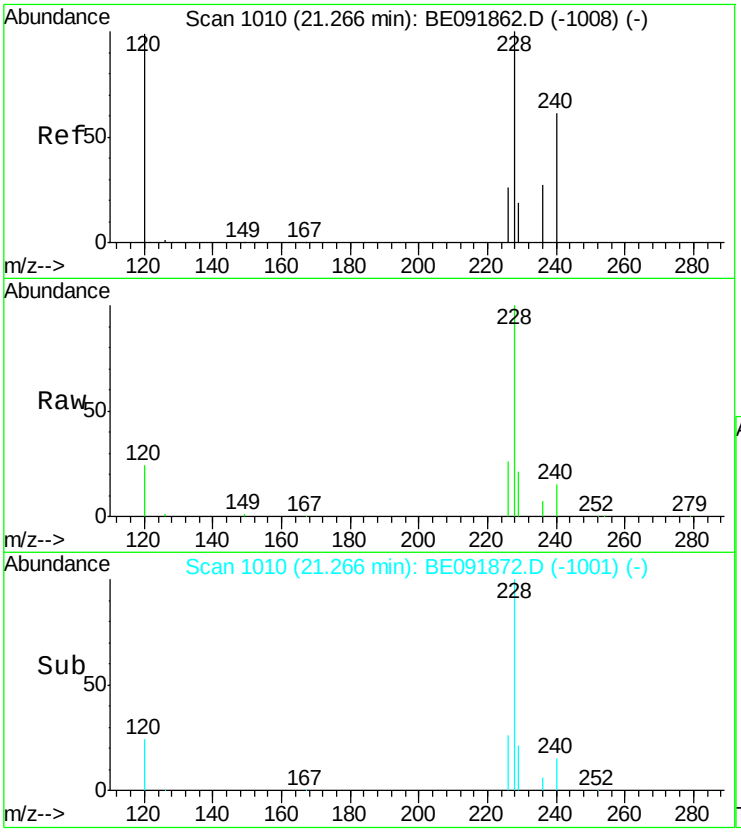


#34
Terphenyl-d14
Concen: 4.27 ng
RT: 19.74 min Scan# 943
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:244 Resp: 181125

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	1.9	2.9	4.3#



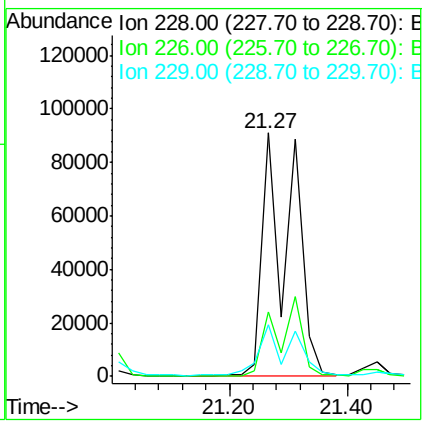


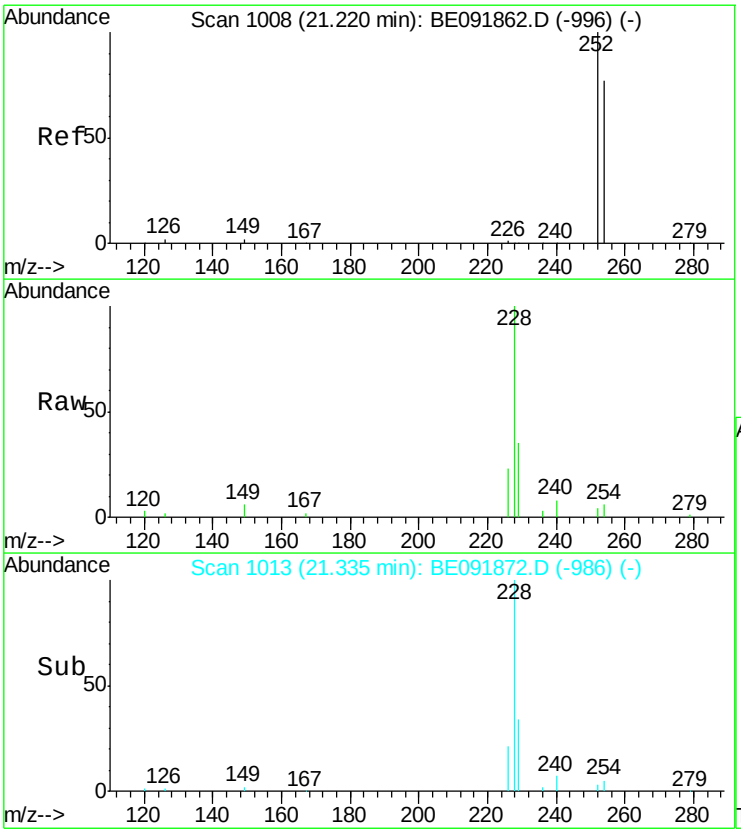
#35
Benzo(a)anthracene
Concen: 4.12 ng
RT: 21.27 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:228 Resp: 308627

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.0	31.4
229	21.2	15.8	23.8

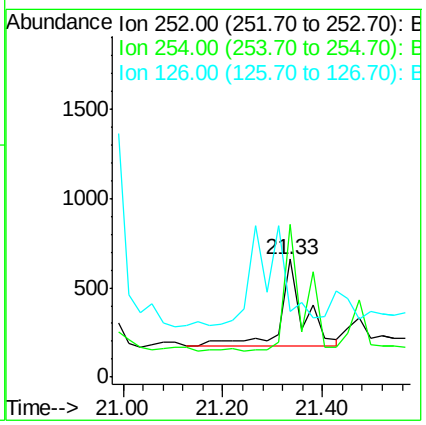


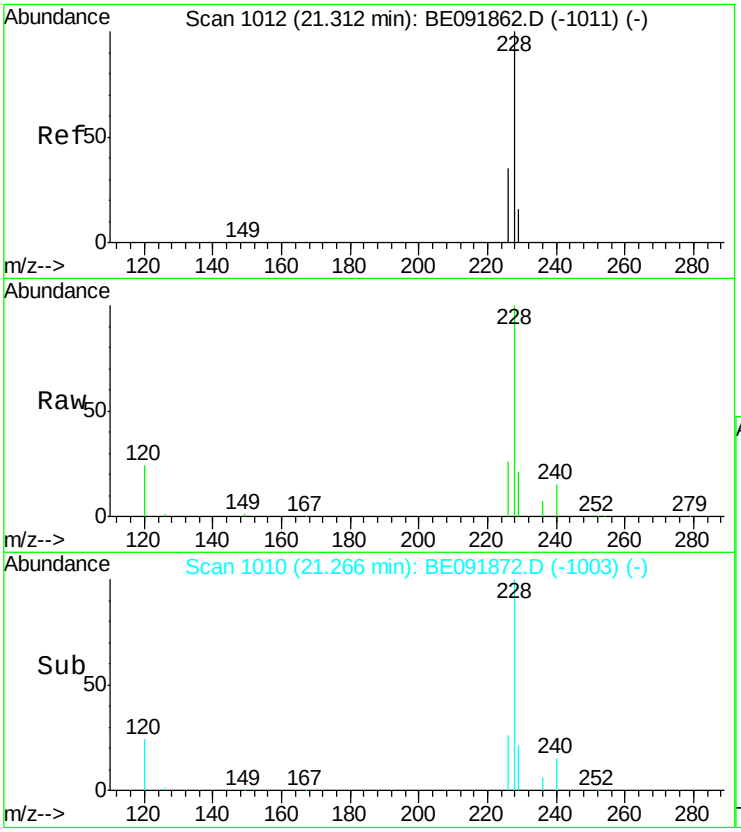


#36
3,3'-Dichlorobenzidine
Concen: 0.04 ng
RT: 21.33 min Scan# 1013
Delta R.T. 0.11 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:252 Resp: 1614

Ion	Ratio	Lower	Upper
252	100		
254	129.7	61.5	92.3#
126	55.5	2.5	3.7#



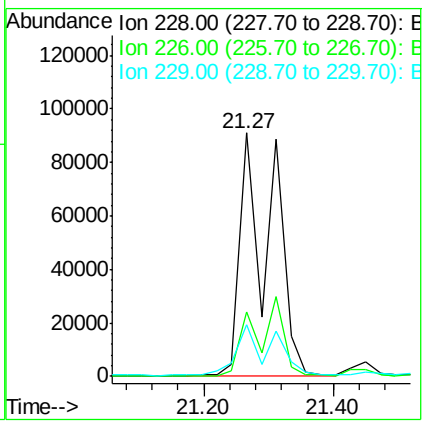


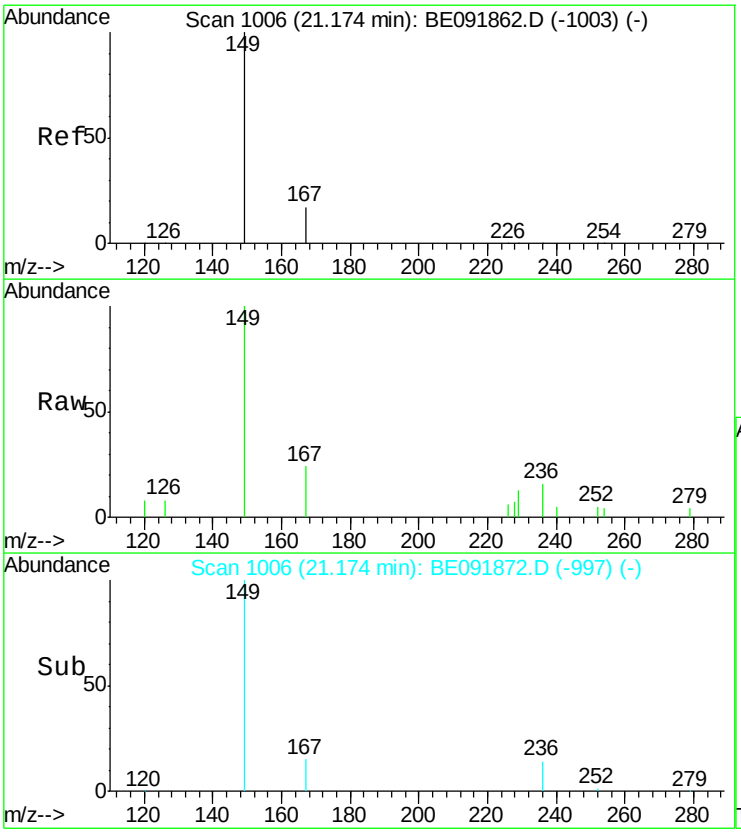
#37
Chrysene
Concen: 5.70 ng
RT: 21.27 min Scan# 1010
Delta R.T. -0.05 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:228 Resp: 308421

Ion	Ratio	Lower	Upper
228	100		
226	26.2	27.0	40.6#
229	21.2	13.8	20.8#

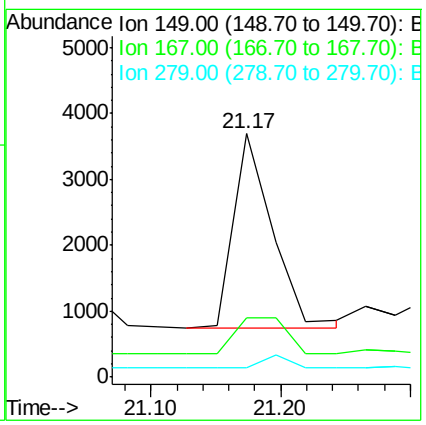


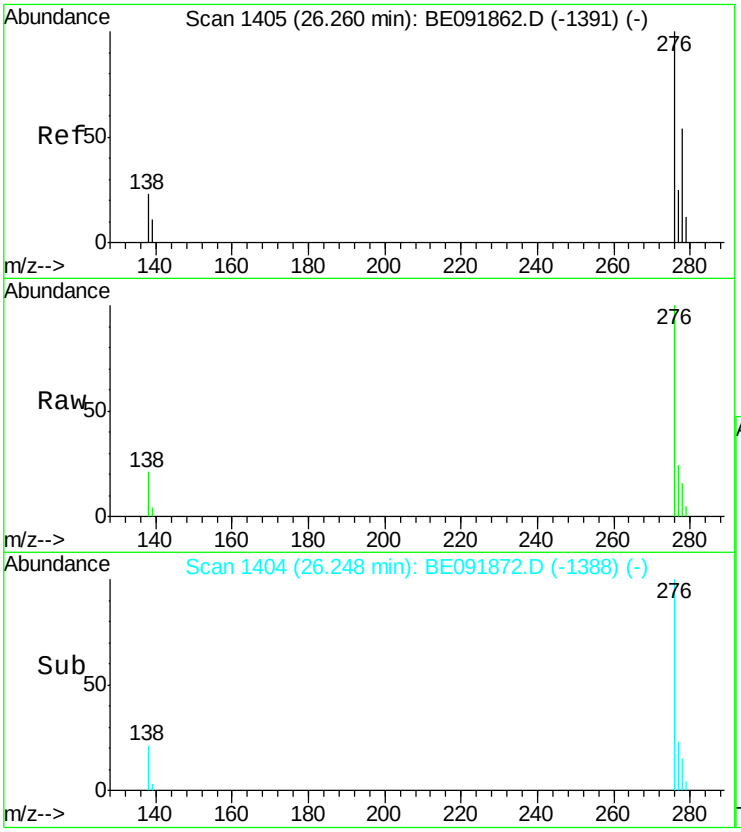


#38
Bis(2-ethylhexyl)phthalate
Concen: 0.23 ng
RT: 21.17 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:149 Resp: 6261

Ion	Ratio	Lower	Upper
149	100		
167	24.5	0.0	0.0#
279	0.0	0.0	0.0



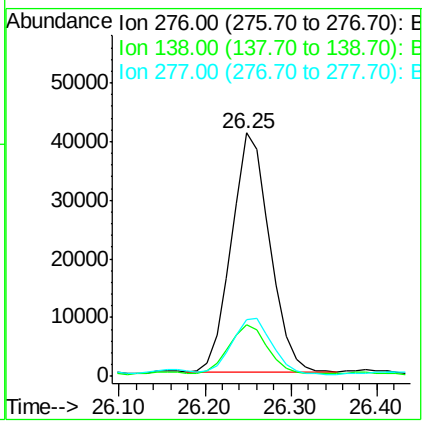


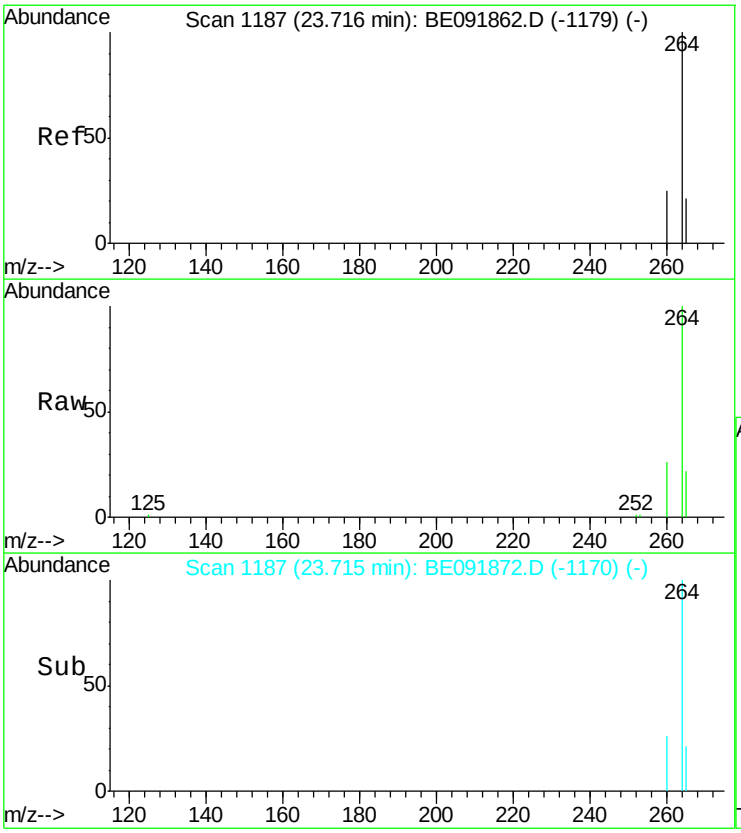
#39
Indeno(1,2,3-cd)pyrene
Concen: 1.80 ng
RT: 26.25 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:276 Resp: 126556

Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.7	29.5
277	24.3	20.1	30.1

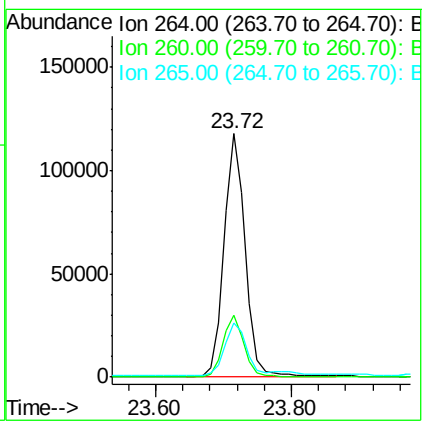


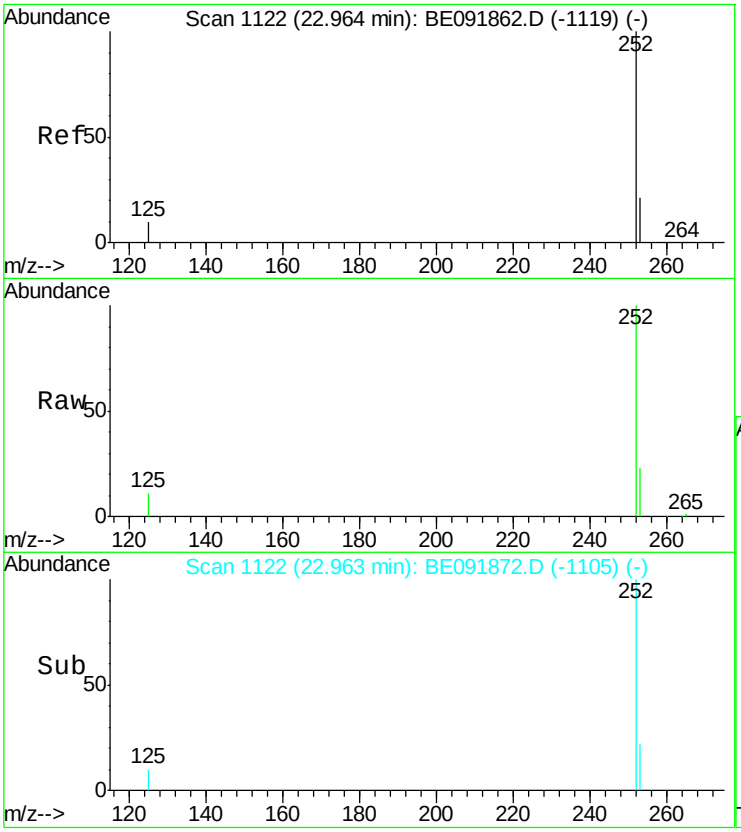


#40
Perylene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:264 Resp: 257671

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.3	30.5
265	22.1	17.6	26.4



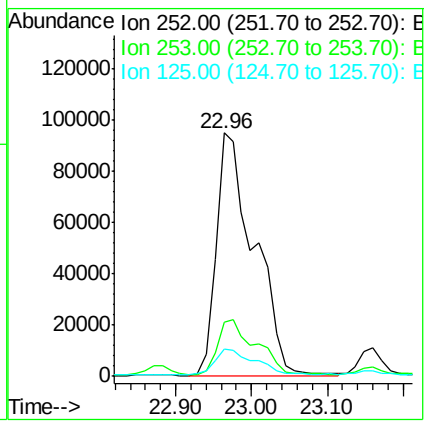


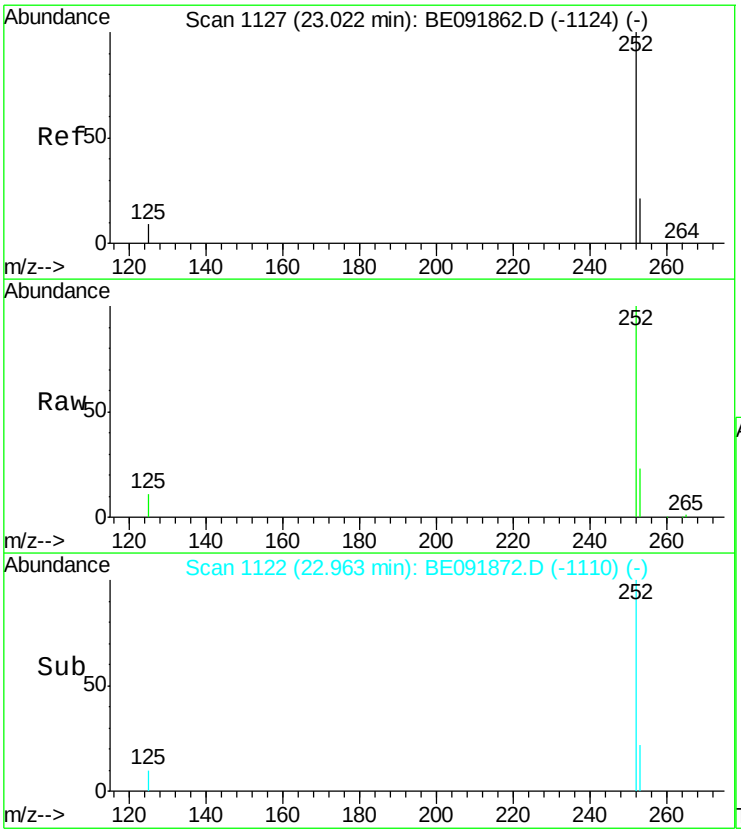
#41
Benzo(b)fluoranthene
Concen: 4.72 ng
RT: 22.96 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:252 Resp: 328143

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.2	9.4	14.2

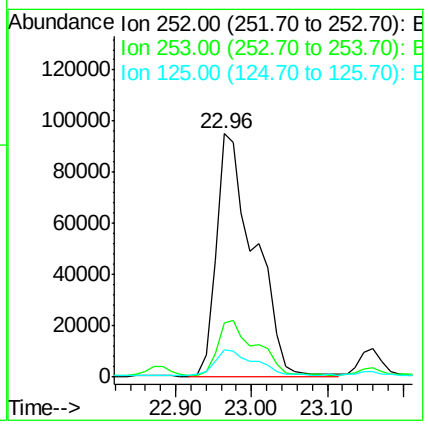


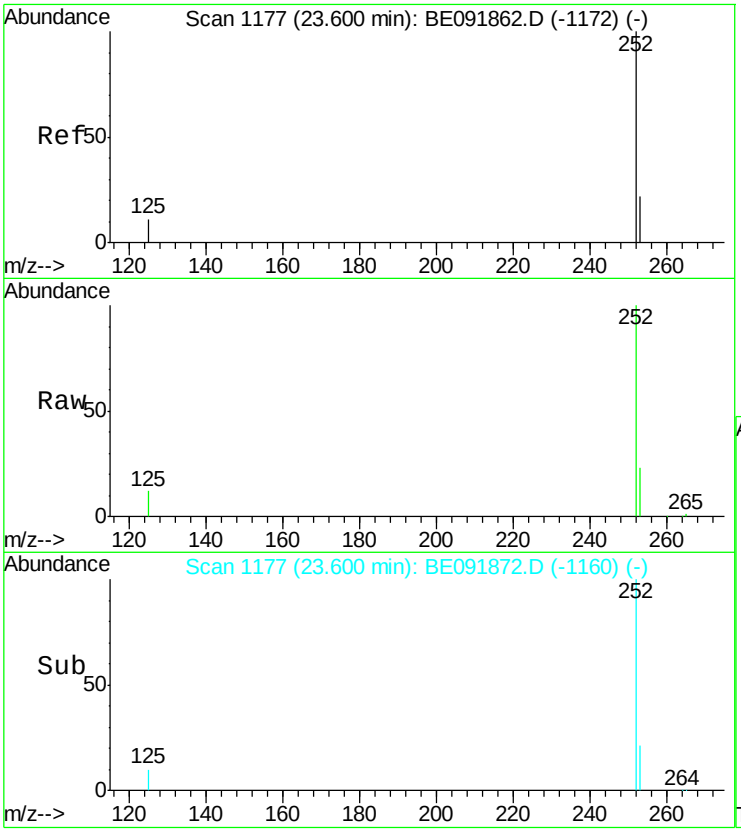


#42
Benzo(k)fluoranthene
Concen: 5.20 ng
RT: 22.96 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:252 Resp: 328143

Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.4	29.2
125	11.2	8.3	12.5



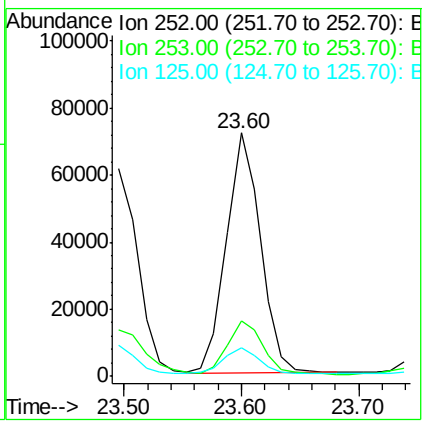


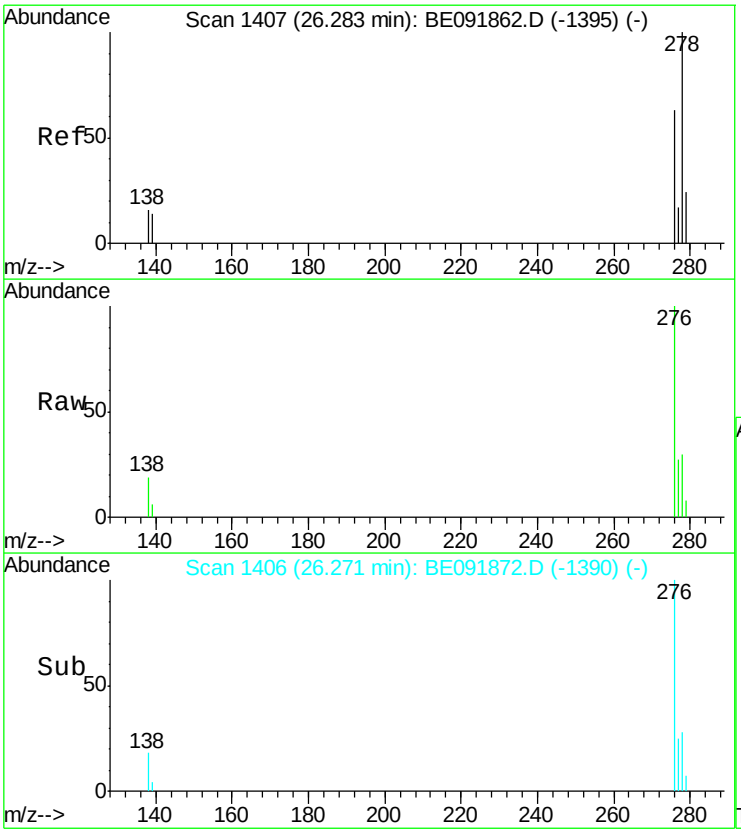
#43
Benzo(a)pyrene
Concen: 2.31 ng
RT: 23.60 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:252 Resp: 145536

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	11.6	10.5	15.7

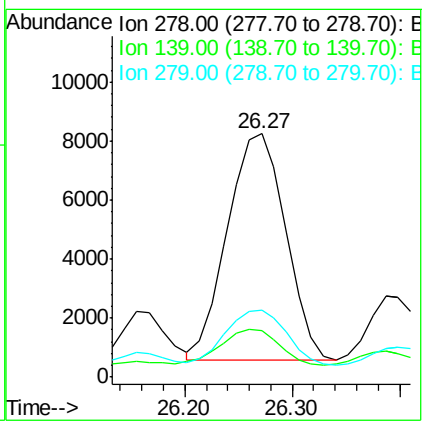


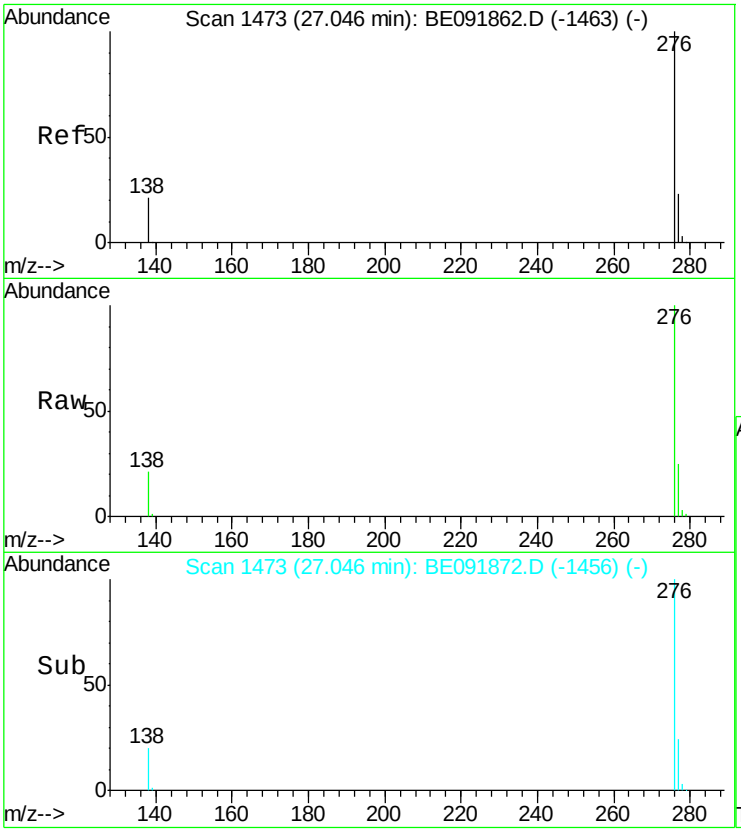


#44
Dibenzo(a,h)anthracene
Concen: 0.48 ng
RT: 26.27 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Tgt Ion:278 Resp: 28922

Ion	Ratio	Lower	Upper
278	100		
139	18.9	12.6	18.8#
279	27.4	20.0	30.0





#45
Benzo(g,h,i)perylene
Concen: 2.15 ng
RT: 27.05 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BE091872.D
Acq: 25 May 2016 23:34

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion:276 Resp: 131511

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.5	29.3
138	20.8	17.7	26.5