Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062618\
Data File : BE096845.D
Acq On : 26 Jun 2018 10:32
Operator : SJ/JU
Sample : PB110591BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB110591BSD

Quant Time: Jun 27 02:25:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 15:45:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3942	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	16320	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	6542	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	14556	0.40	ng		0.00
27) Chrysene-d12	20.98	240	14600	0.40	ng		0.00
34) Perylene-d12	23.21	264	14469	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.07	112	2942	0.33	ng		0.01
5) Phenol-d6	6.60	99	3672	0.28	ng		0.00
8) Nitrobenzene-d5	8.53	82	3237	0.33	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	9150	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	287	0.29	ng		0.00
15) 2-Fluorobiphenyl	12.64	172	10089	0.42	ng		0.00
25) Fluoranthene-d10	18.81	212	46017	0.36	ng		0.00
29) Terphenyl-d14	19.43	244	11971	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	1769	0.299	ng	#	81
3) n-Nitrosodimethylamine	3.39	42	2439	0.390	ng	#	88
6) bis(2-Chloroethyl)ether	6.84	93	4503	0.312	ng		99
9) Naphthalene	10.20	128	54971	0.371	ng		99
10) Hexachlorobutadiene	10.50	225	2126	0.345	ng		97
12) 2-Methylnaphthalene	11.81	142	8423	0.343	ng		98
16) Acenaphthylene	13.74	152	9964	0.351	ng		99
17) Acenaphthene	14.08	154	6694	0.357	ng	#	92
18) Fluorene	15.08	166	7229	0.328	ng	#	80
20) 4-Bromophenyl-phenylether	15.99	248	2264	0.345	ng	#	80
21) Hexachlorobenzene	16.09	284	2731	0.365	ng	#	81
22) Pentachlorophenol	16.43	266	638	0.538	ng	#	77
23) Phenanthrene	16.81	178	13154	0.368	ng		98
24) Anthracene	16.91	178	10871	0.367	ng		96
26) Fluoranthene	18.84	202	14410	0.398	ng		98
28) Pyrene	19.20	202	14081	0.333	ng		98
30) Benzo(a)anthracene	20.97	228	12287	0.380	ng		96
31) Chrysene	21.01	228	15308	0.383	ng		98
32) Bis(2-ethylhexyl)phthalate	20.93	149	8587	0.296	ng		100
33) Indeno(1,2,3-cd)pyrene	25.51	276	11807	0.397	ng	#	79
35) Benzo(b)fluoranthene	22.54	252	12784	0.324	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	14809	0.351	ng		96
37) Benzo(a)pyrene	23.11	252	10531	0.336	ng		94
38) Dibenzo(a,h)anthracene	25.53	278	9730	0.339	ng		96
39) Benzo(g,h,i)perylene	26.20	276	11422	0.326	ng	#	93

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

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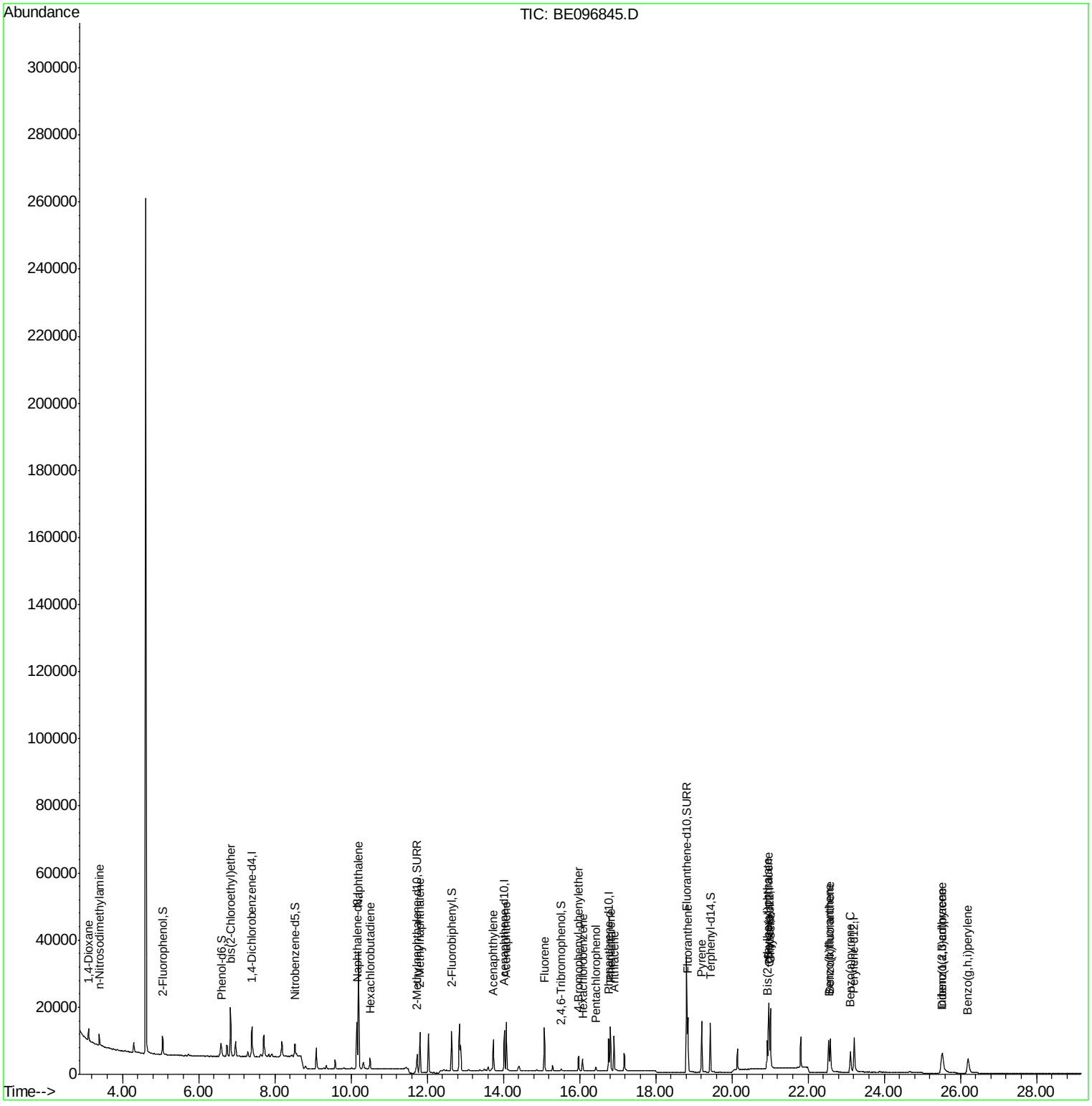
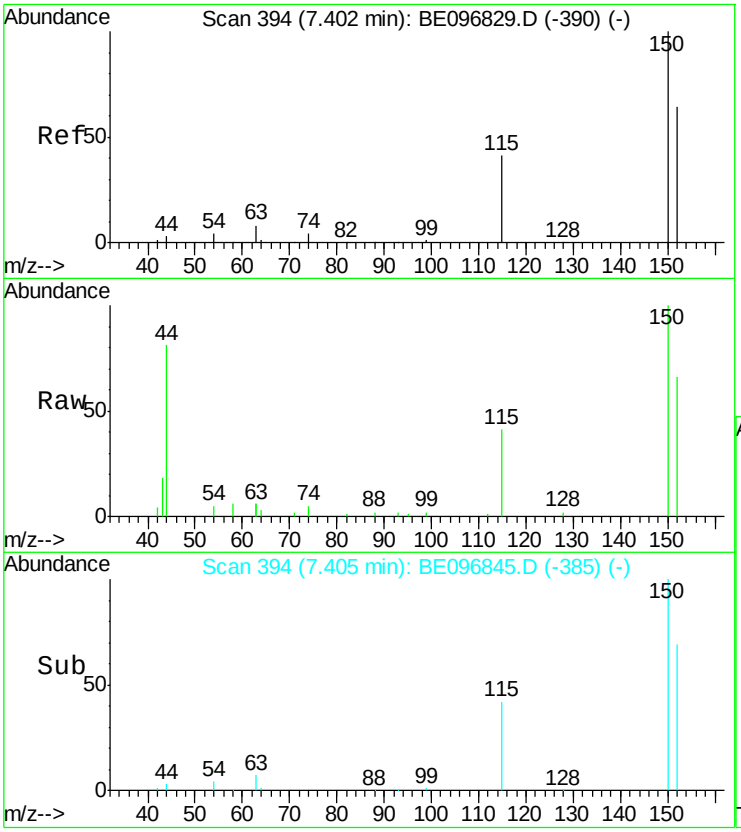
Data File : BE096845.D
Acq On : 26 Jun 2018 10:32
Operator : SJ/JU
Sample : PB110591BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Quant Time: Jun 27 02:25:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 15:45:14 2018
Response via : Initial Calibration



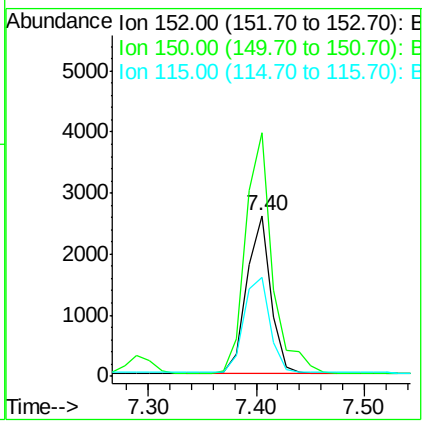


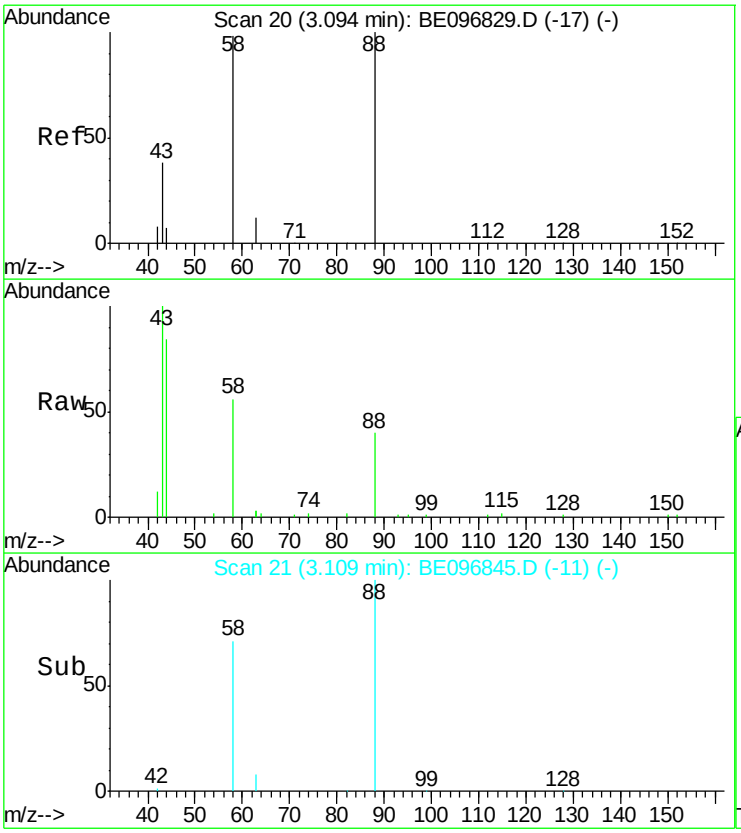
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:152 Resp: 3942

Ion	Ratio	Lower	Upper
152	100		
150	151.7	117.2	175.8
115	61.9	57.0	85.6

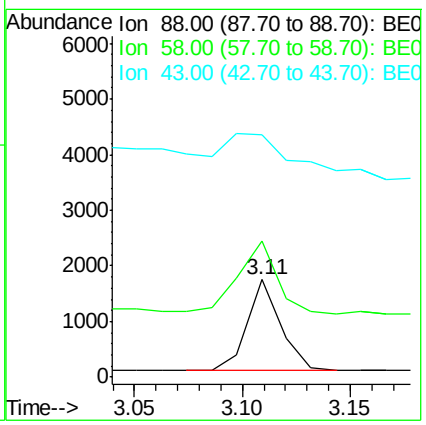


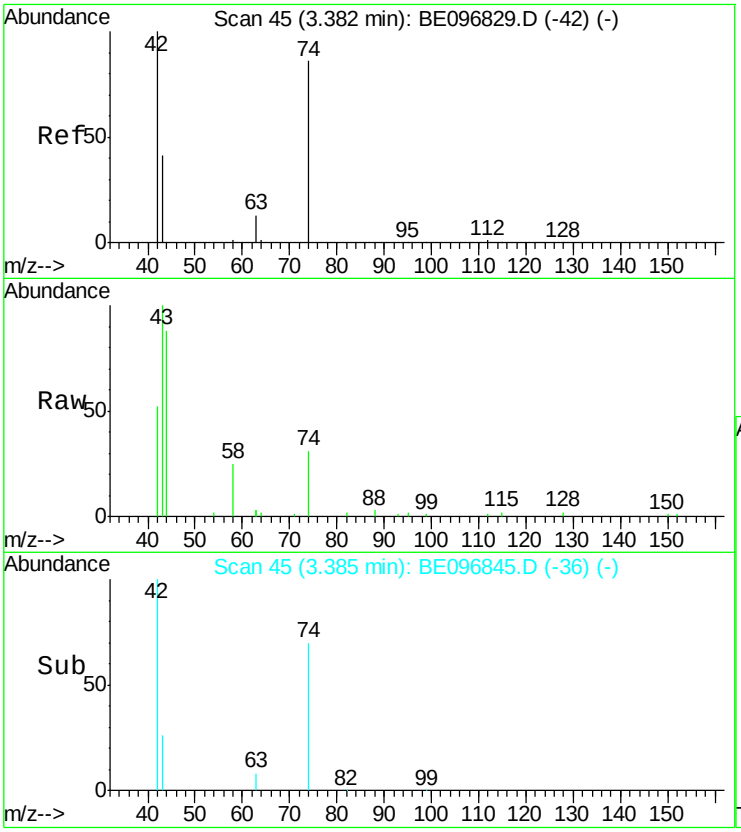


#2
1,4-Dioxane
Concen: 0.299 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion: 88 Resp: 1769

Ion	Ratio	Lower	Upper
88	100		
58	95.2	63.2	94.8#
43	65.1	41.2	61.8#



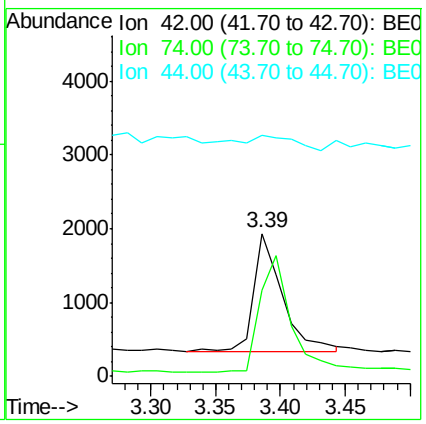


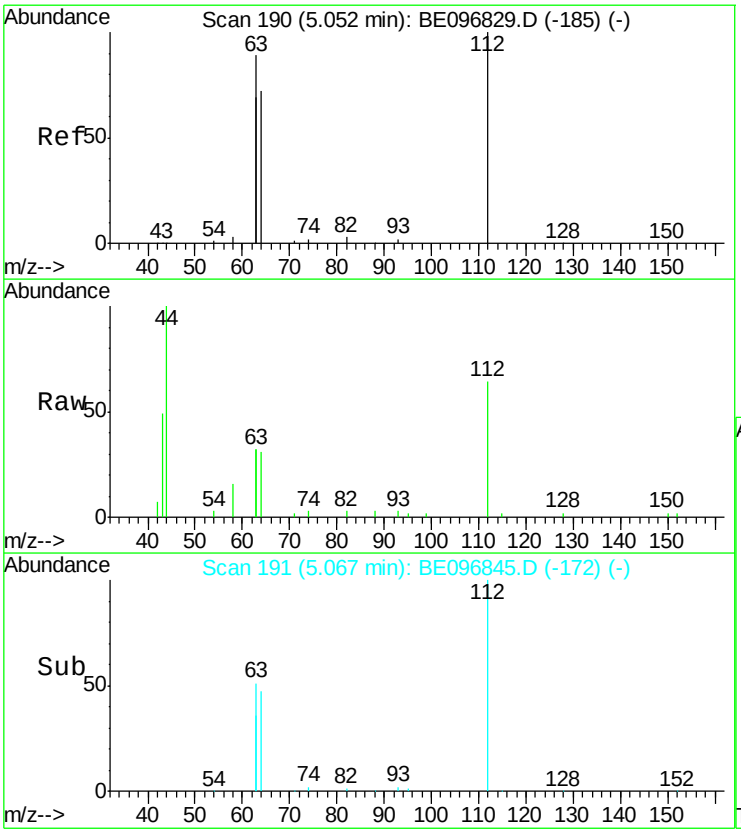
#3
n-Nitrosodimethylamine
Concen: 0.390 ng
RT: 3.39 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion: 42 Resp: 2439

Ion	Ratio	Lower	Upper
42	100		
74	108.1	96.0	144.0
44	23.5	12.0	18.0#

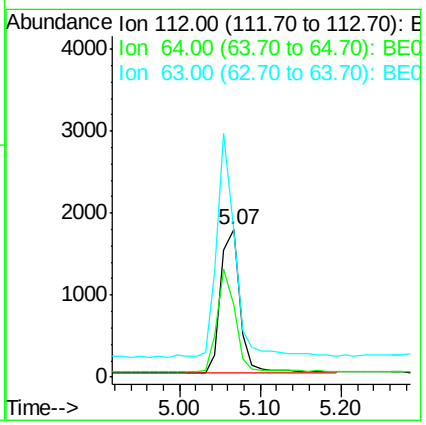


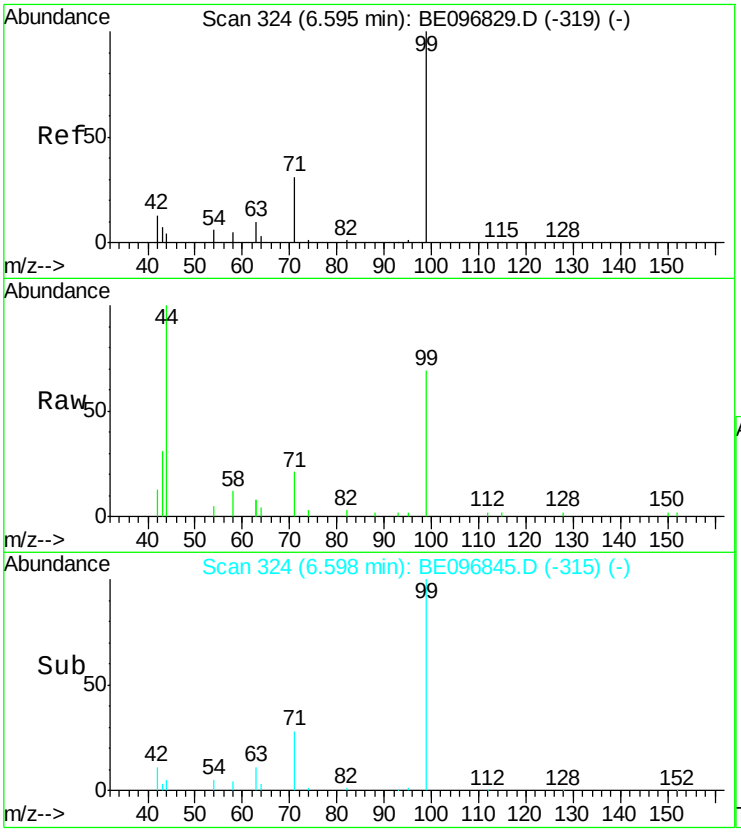


#4
2-Fluorophenol
Concen: 0.334 ng
RT: 5.07 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:112 Resp: 2942

Ion	Ratio	Lower	Upper
112	100		
64	68.2	60.1	90.1
63	150.6	116.8	175.2



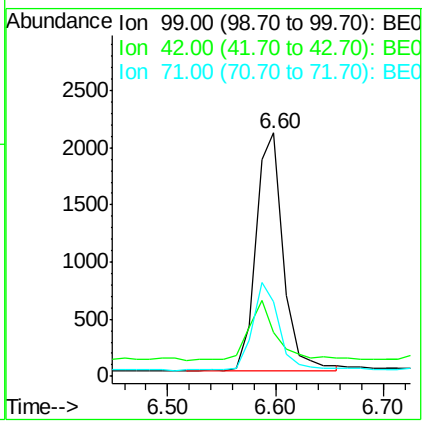


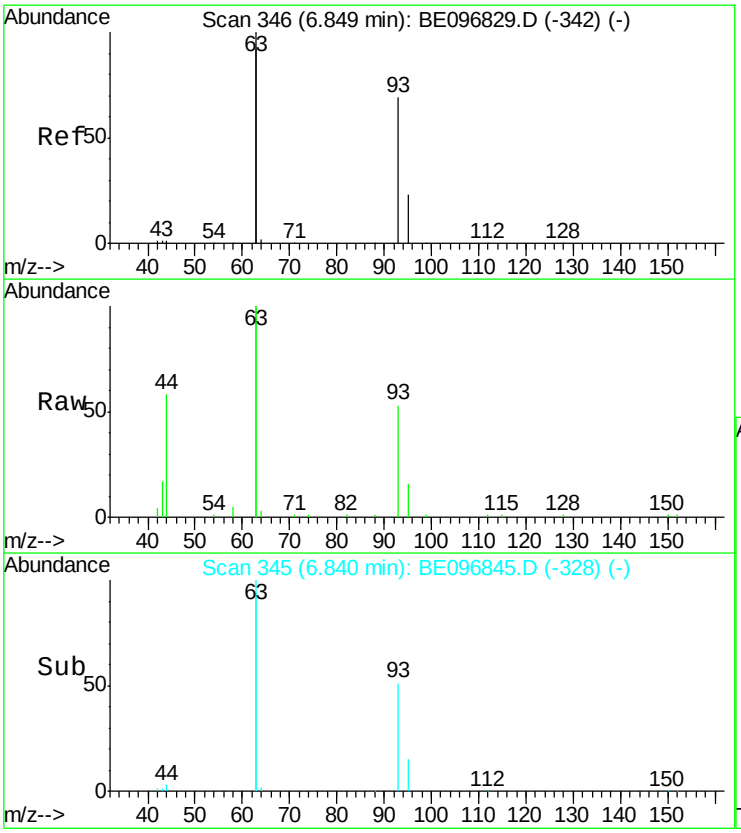
#5
Phenol-d6
Concen: 0.279 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion: 99 Resp: 3672

Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.2	30.2
71	35.1	28.4	42.6

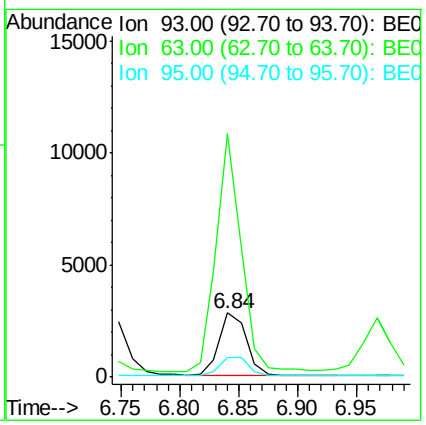


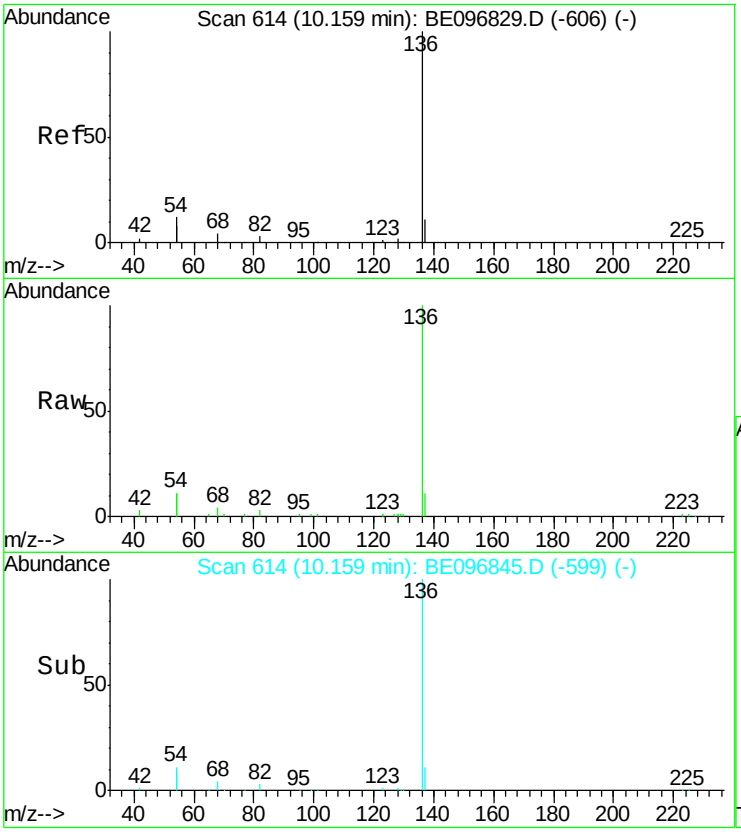


#6
bis(2-Chloroethyl)ether
Concen: 0.312 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion: 93 Resp: 4503

Ion	Ratio	Lower	Upper
93	100		
63	341.4	275.3	412.9
95	32.4	25.2	37.8



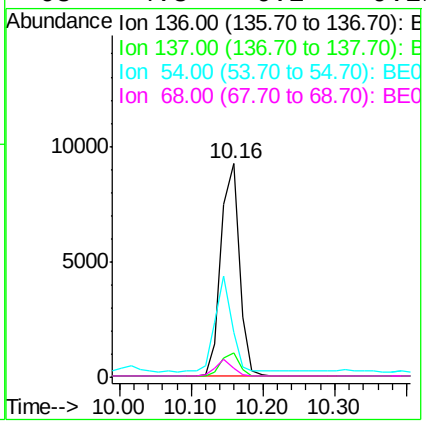


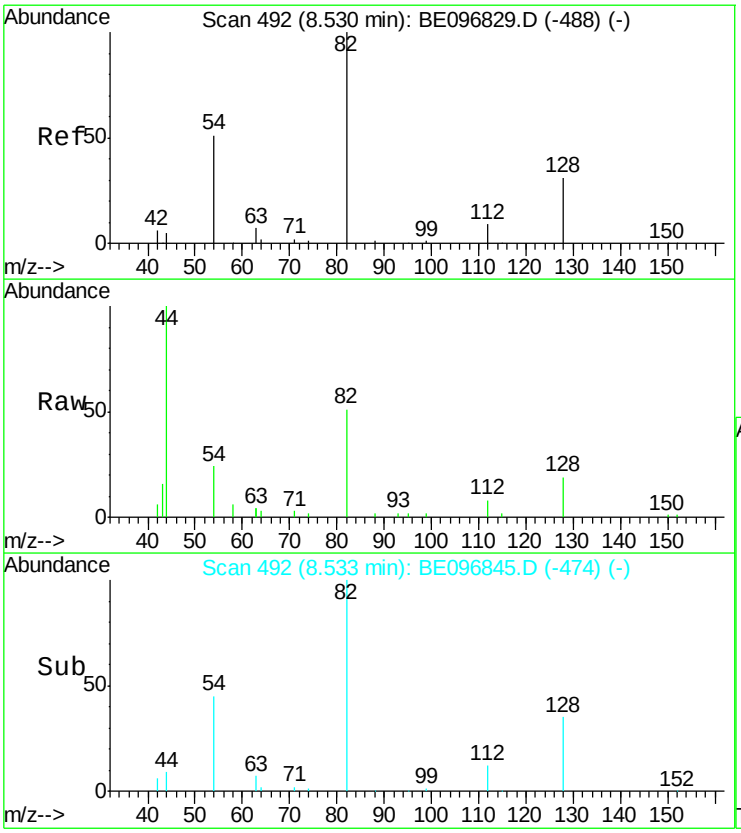
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:136 Resp: 16320

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	21.1	29.1	43.7#
68	4.3	6.2	9.2#

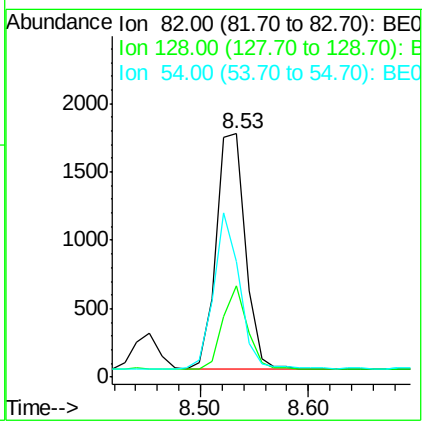


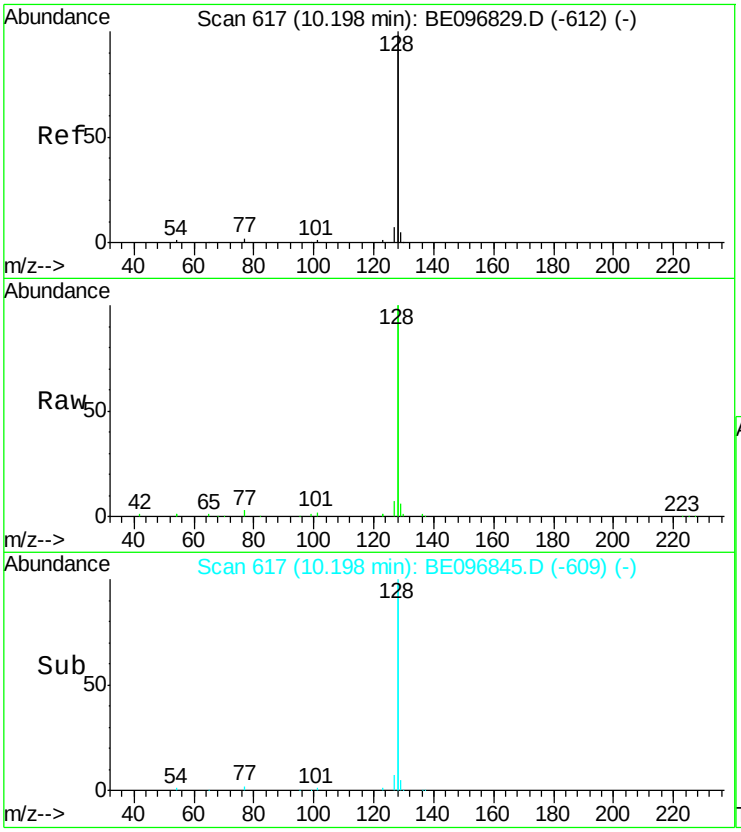


#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion: 82 Resp: 3237

Ion	Ratio	Lower	Upper
82	100		
128	37.3	24.0	36.0#
54	47.6	40.0	60.0



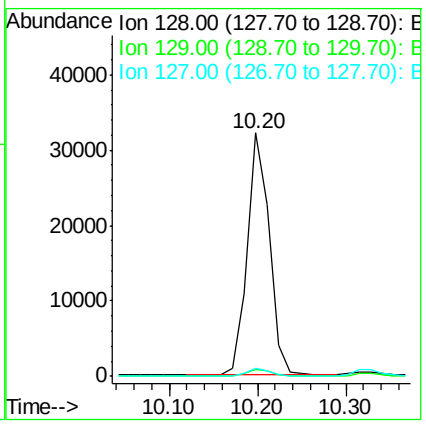


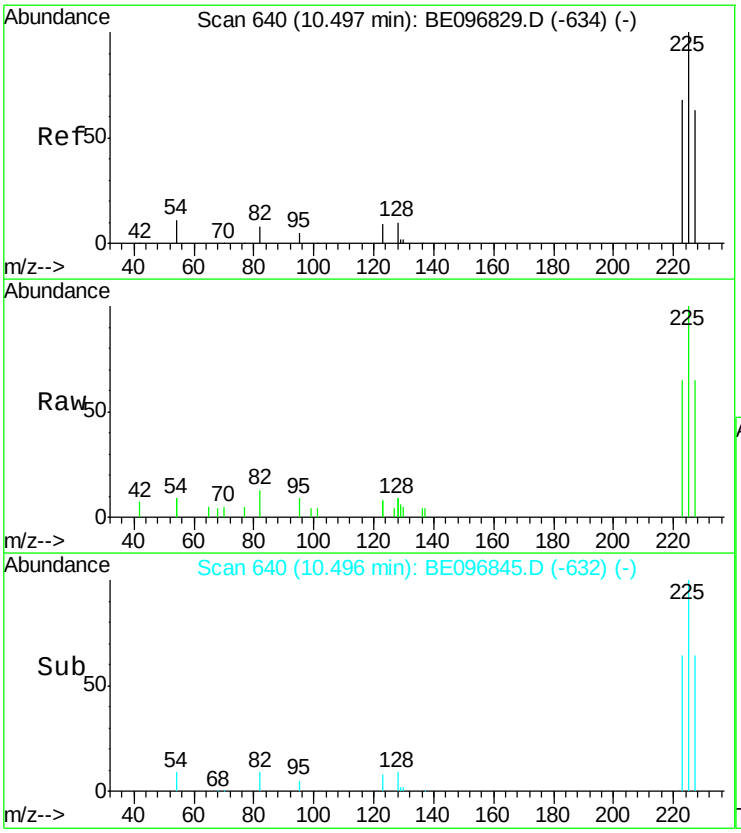
#9
Naphthalene
Concen: 0.371 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:128 Resp: 54971

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.4	2.8	4.2

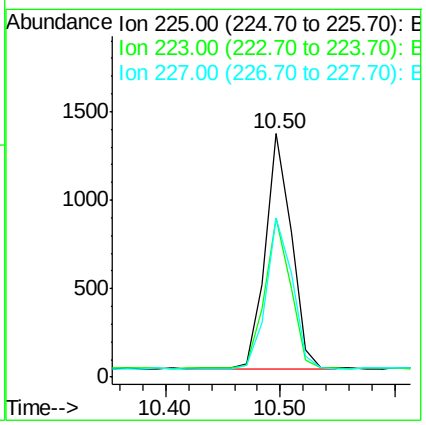


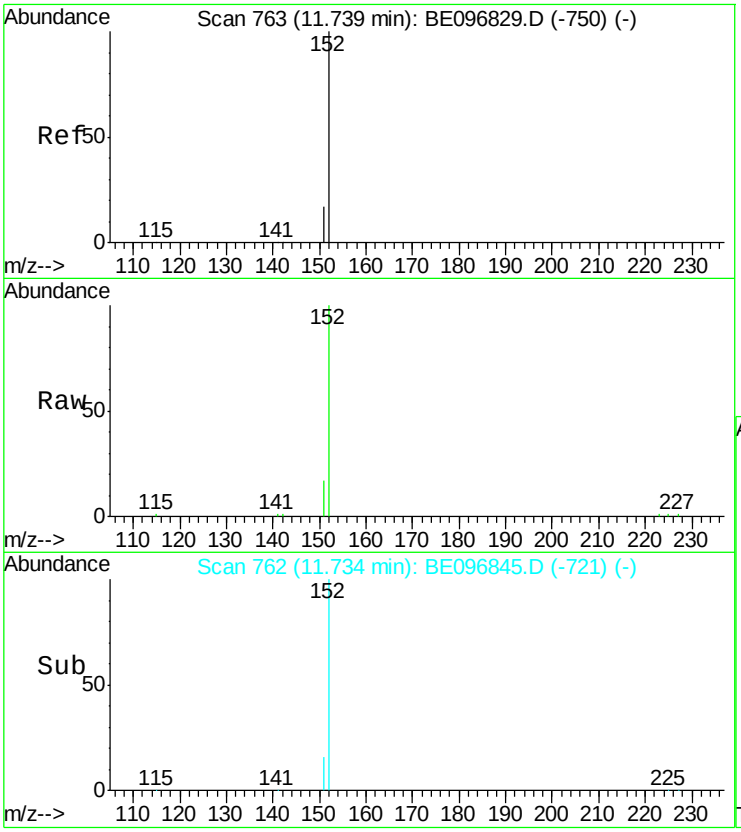


#10
Hexachlorobutadiene
Concen: 0.345 ng
RT: 10.50 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:225 Resp: 2126

Ion	Ratio	Lower	Upper
225	100		
223	62.6	53.0	79.6
227	64.0	51.4	77.2



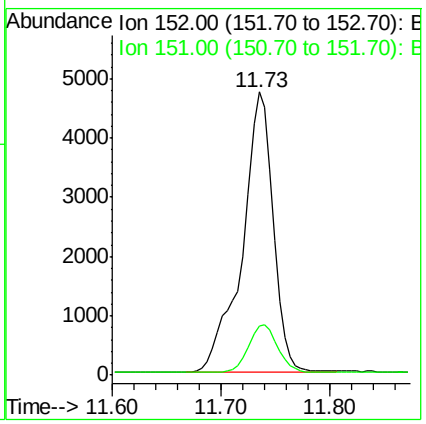


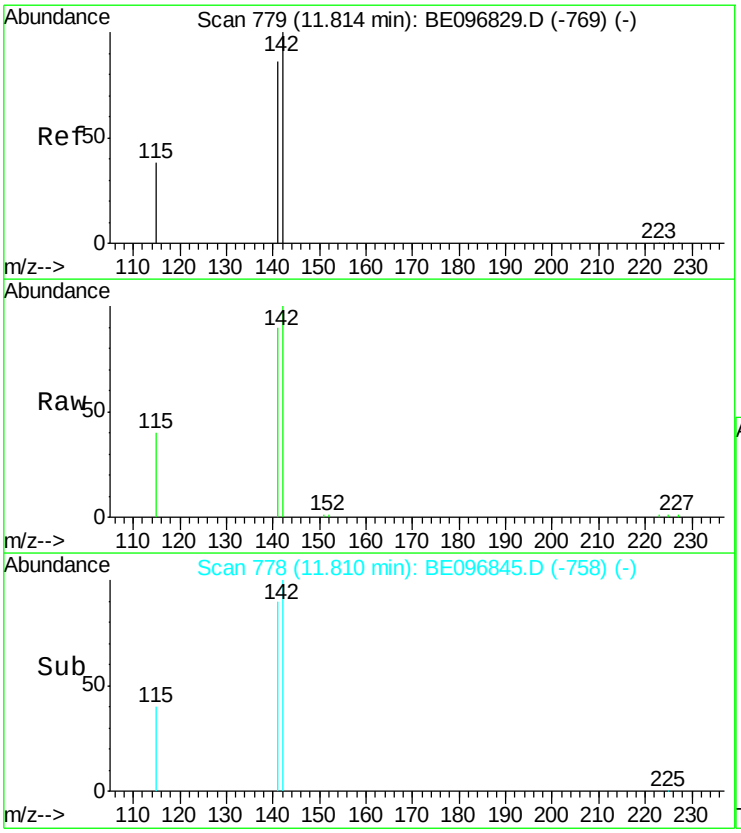
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:152 Resp: 9150

Ion	Ratio	Lower	Upper
152	100		
151	15.8	15.4	23.0

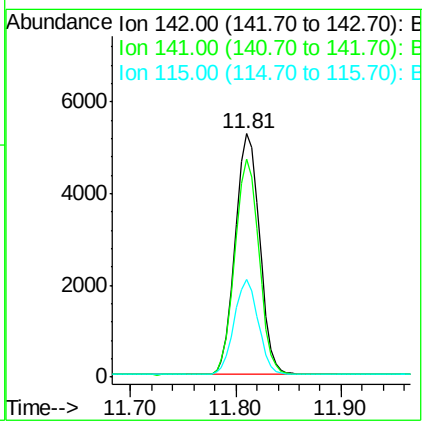


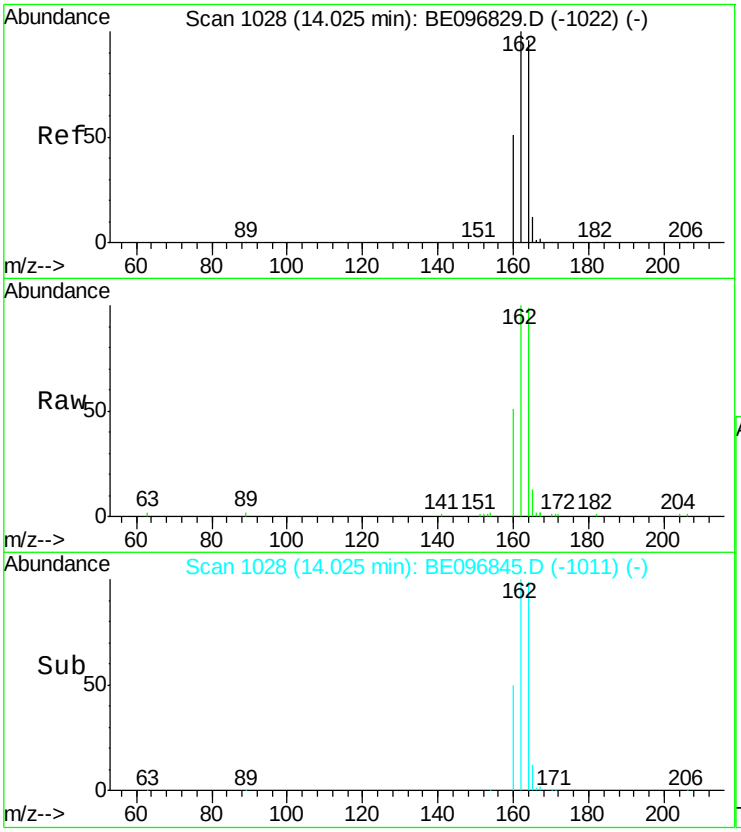


#12
2-Methylnaphthalene
Concen: 0.343 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:142 Resp: 8423

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.4	105.6
115	40.4	31.7	47.5



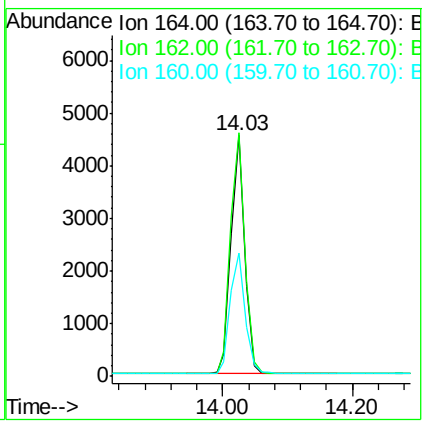


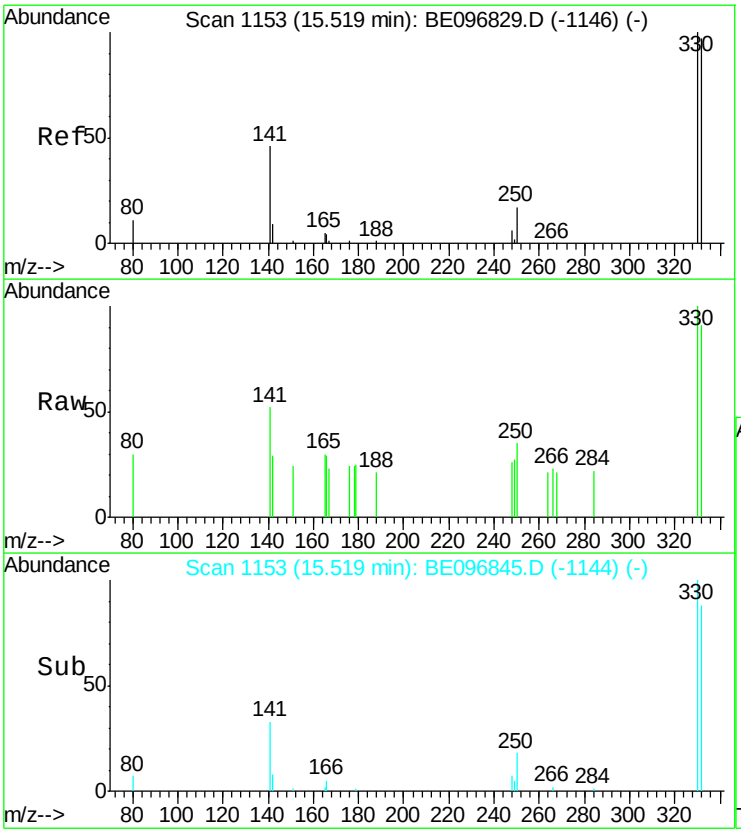
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:164 Resp: 6542

Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.1	124.7
160	51.5	37.1	55.7

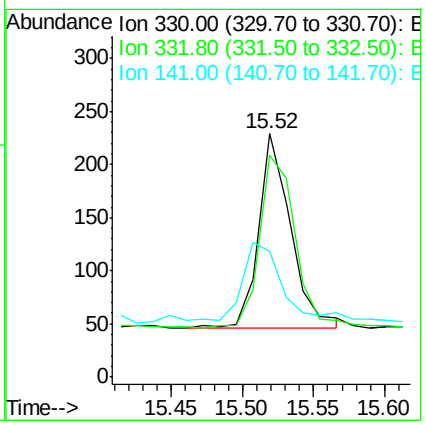


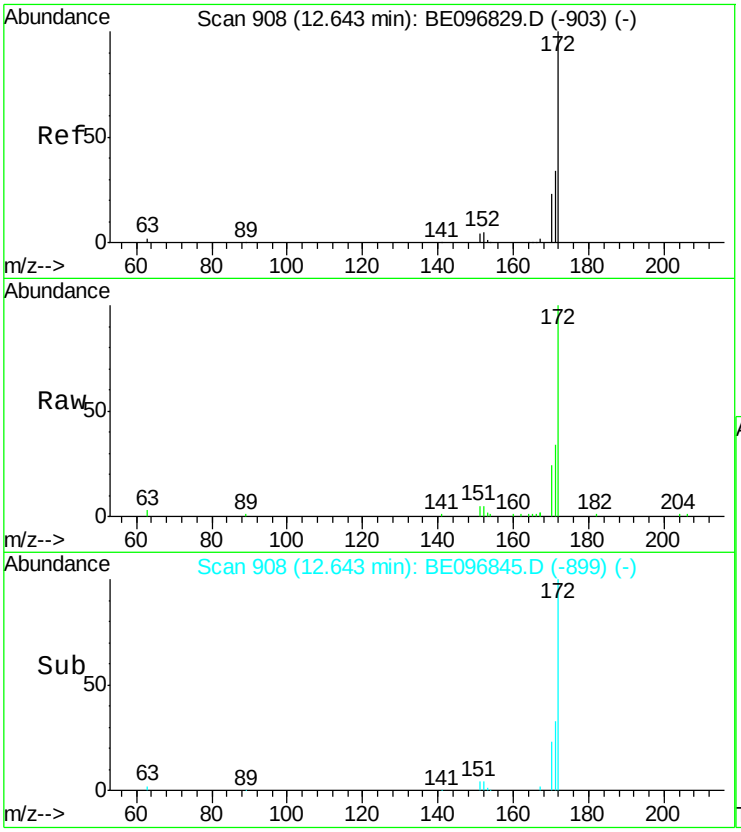


#14
2,4,6-Tribromophenol
Concen: 0.290 ng
RT: 15.52 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:330 Resp: 287

Ion	Ratio	Lower	Upper
330	100		
332	97.9	152.7	229.1#
141	46.7	33.7	50.5



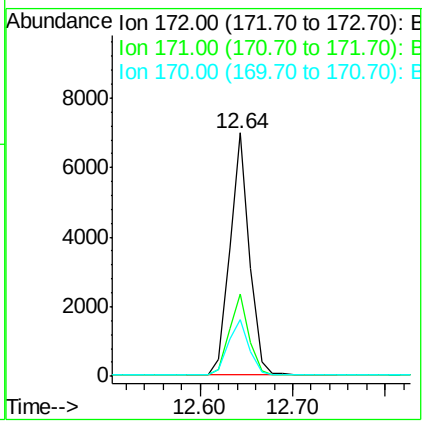


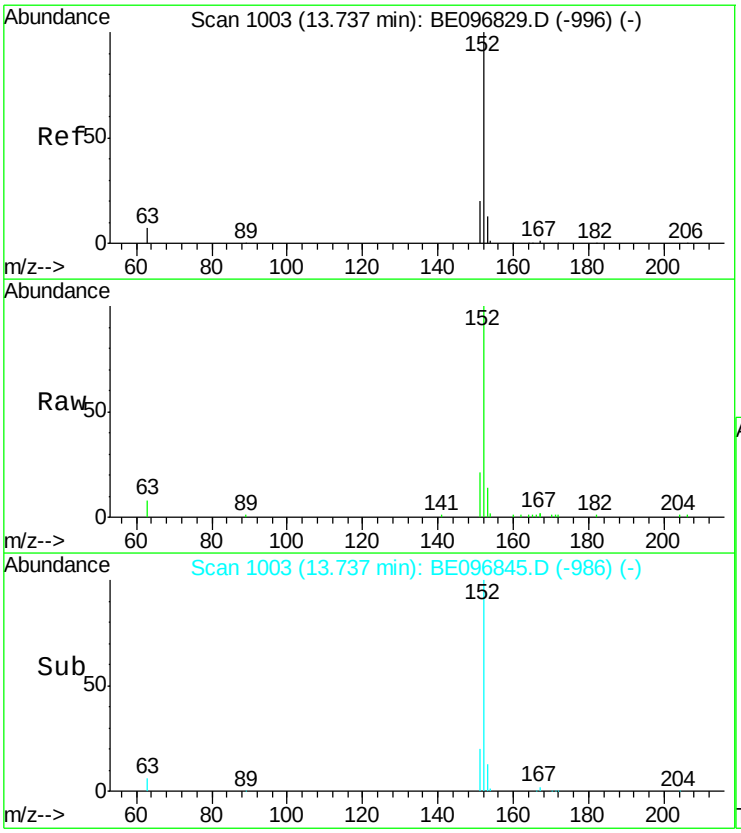
#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:172 Resp: 10089

Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.9	44.9
170	23.5	21.8	32.8

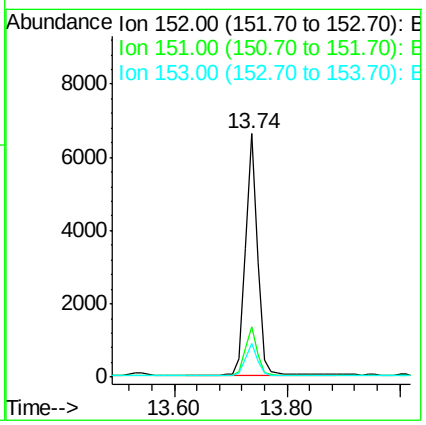


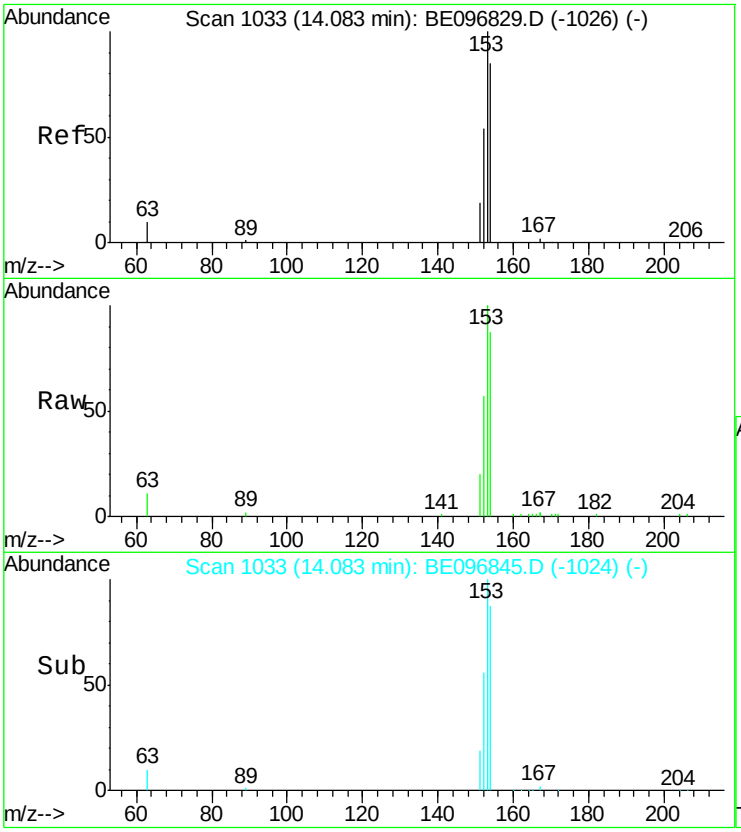


#16
Acenaphthylene
Concen: 0.351 ng
RT: 13.74 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:152 Resp: 9964

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.4	10.5	15.7



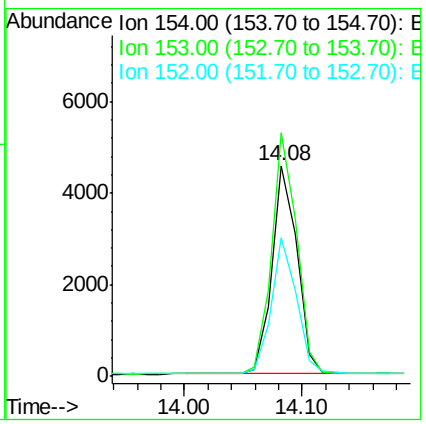


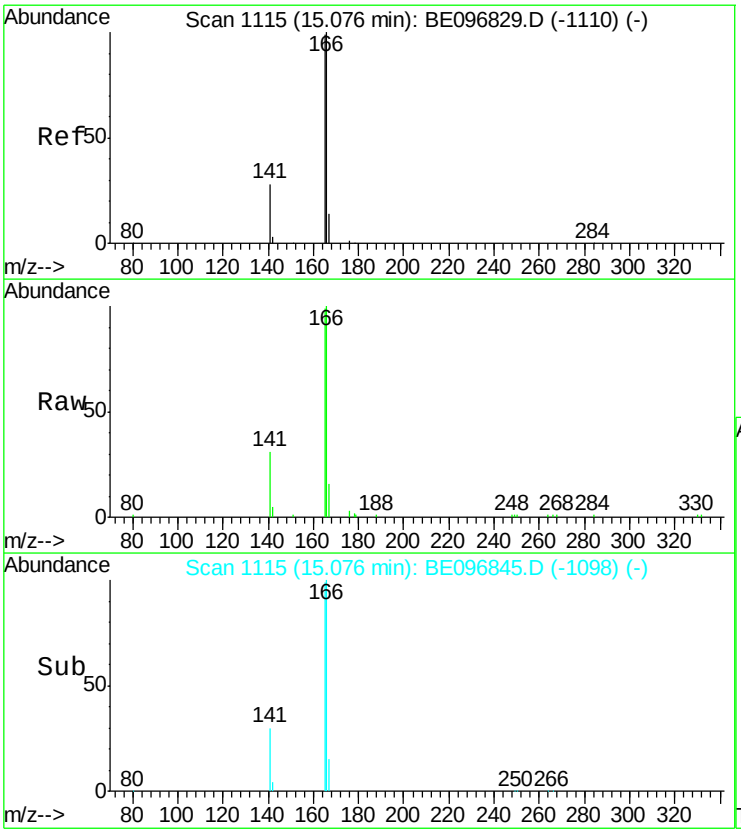
#17
Acenaphthene
Concen: 0.357 ng
RT: 14.08 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:154 Resp: 6694

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.2	133.8
152	65.3	42.0	63.0#

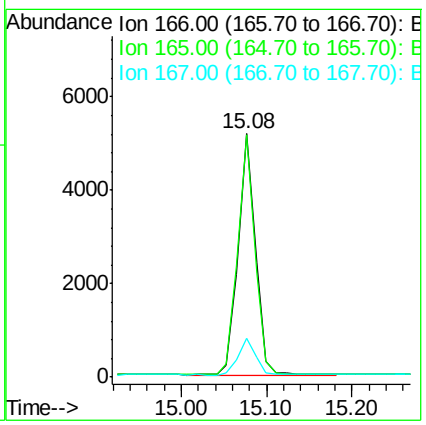


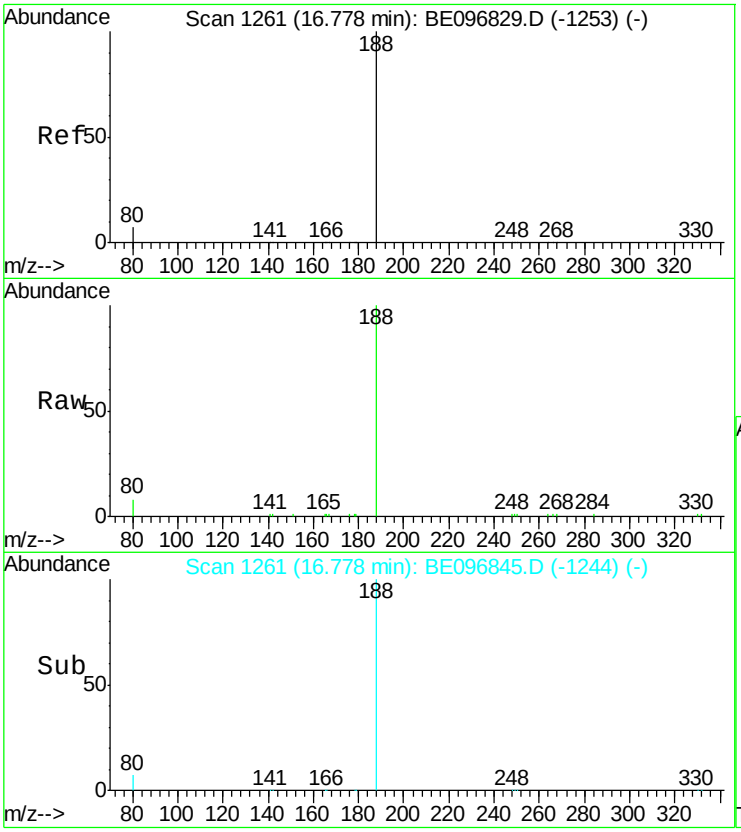


#18
Fluorene
Concen: 0.328 ng
RT: 15.08 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:166 Resp: 7229

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.8	116.6
167	15.3	42.4	63.6#



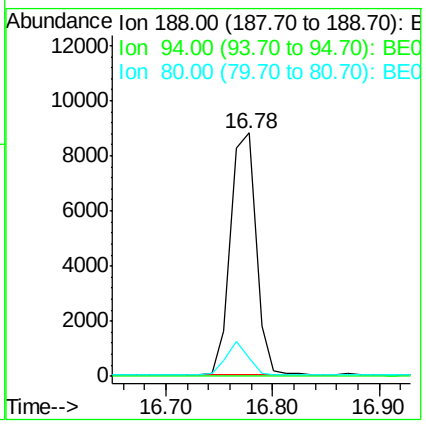


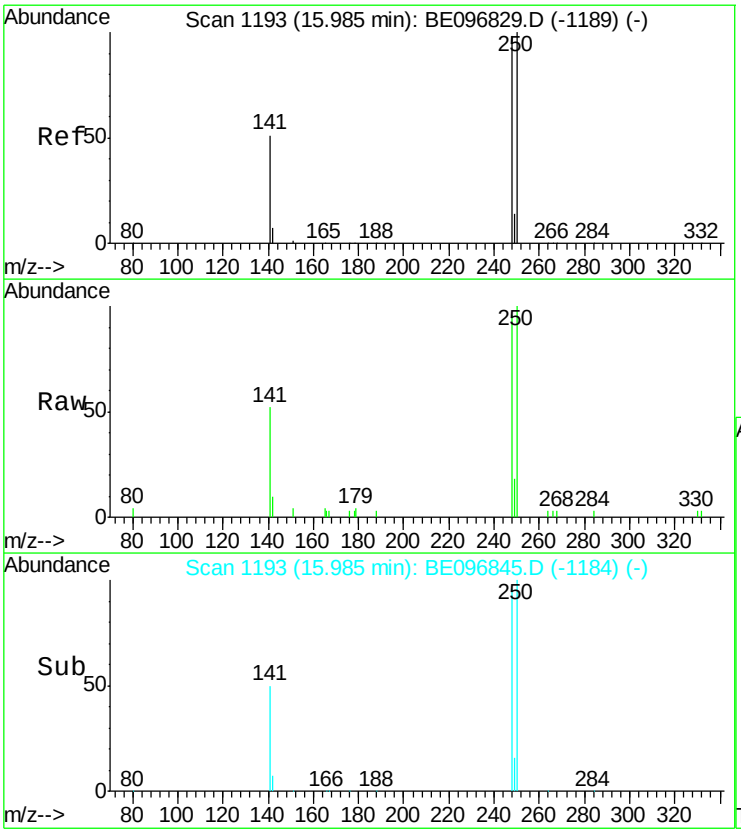
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:188 Resp: 14556

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.6	3.6	5.4#

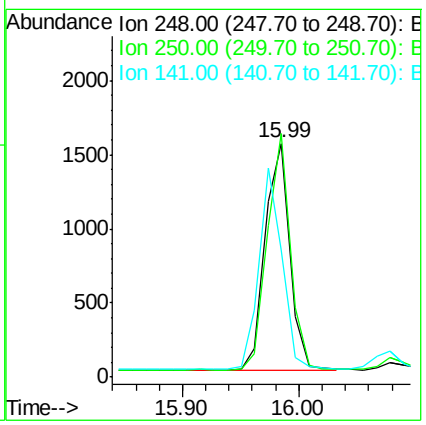


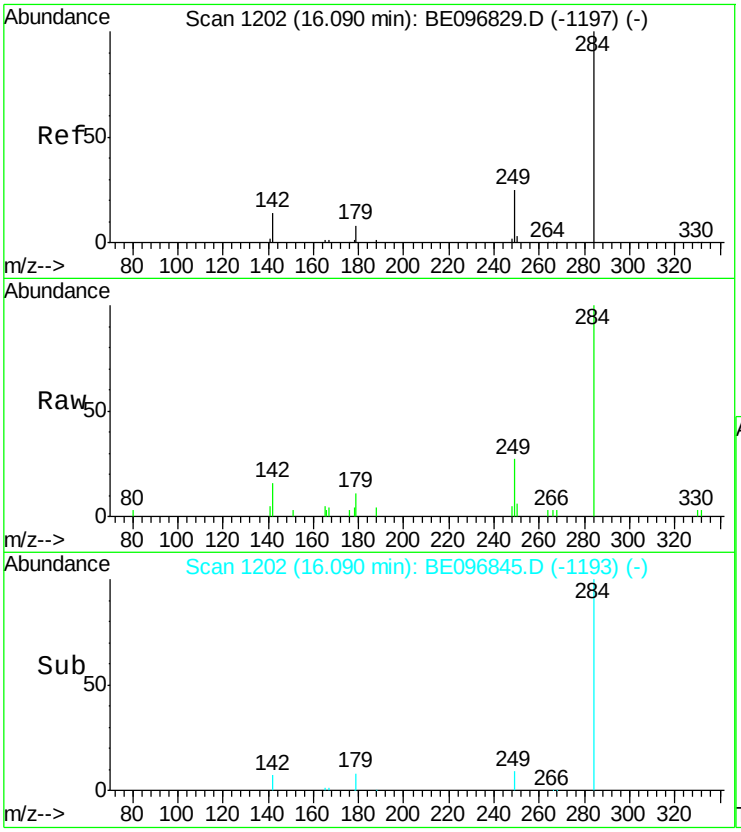


#20
4-Bromophenyl-phenylether
Concen: 0.345 ng
RT: 15.99 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:248 Resp: 2264

Ion	Ratio	Lower	Upper
248	100		
250	104.2	62.7	94.1#
141	54.2	48.2	72.2



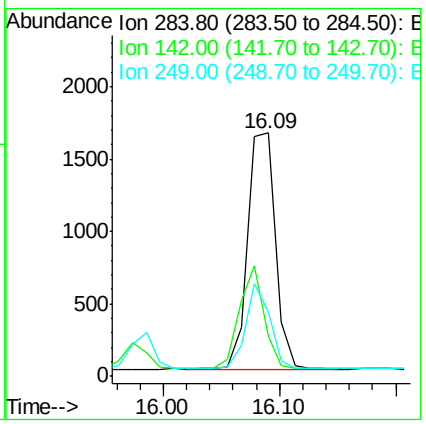


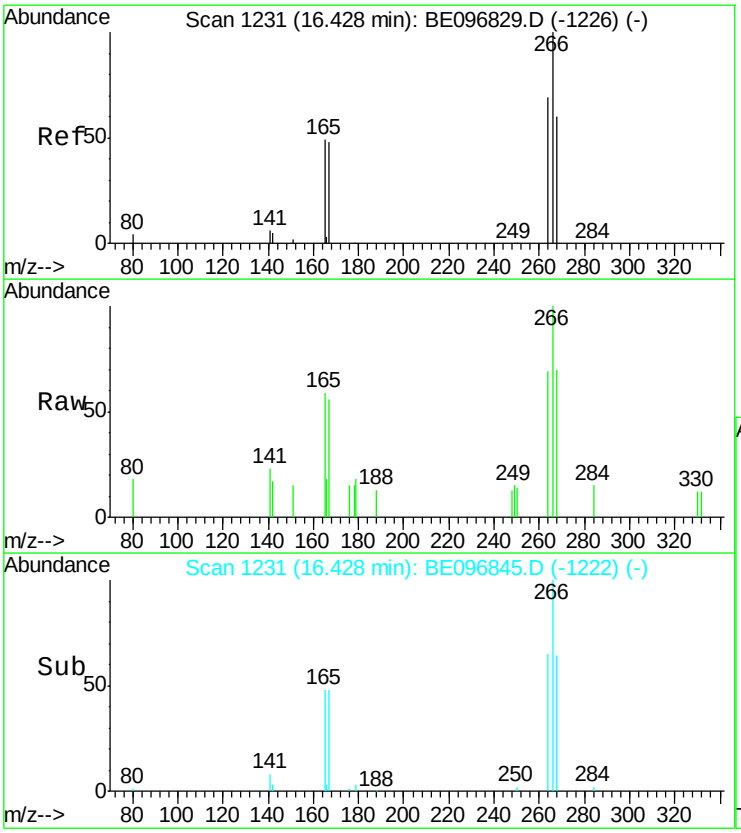
#21
Hexachlorobenzene
Concen: 0.365 ng
RT: 16.09 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:284 Resp: 2731

Ion	Ratio	Lower	Upper
284	100		
142	38.0	22.1	33.1#
249	31.5	34.8	52.2#

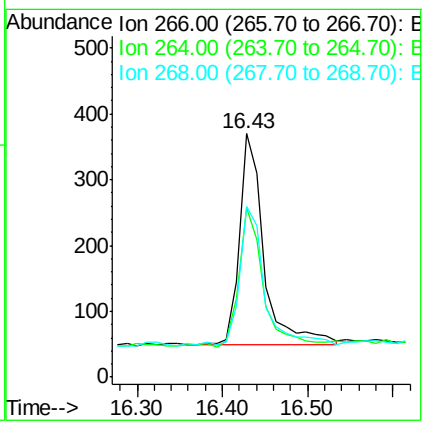


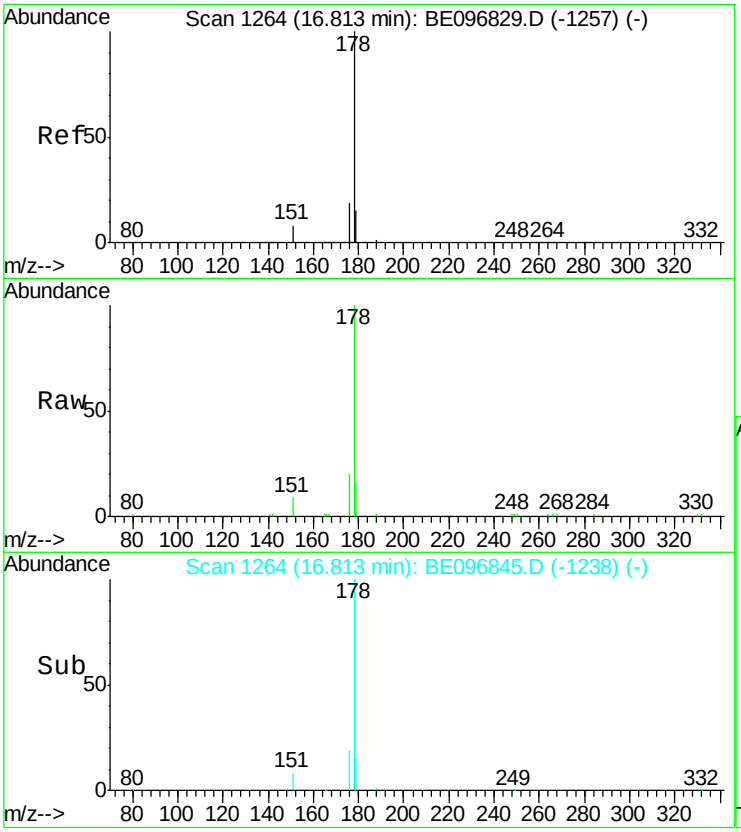


#22
Pentachlorophenol
Concen: 0.538 ng
RT: 16.43 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:266 Resp: 638

Ion	Ratio	Lower	Upper
266	100		
264	69.5	72.5	108.7#
268	70.0	73.8	110.6#



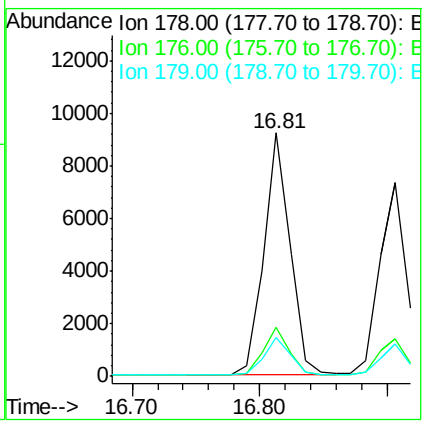


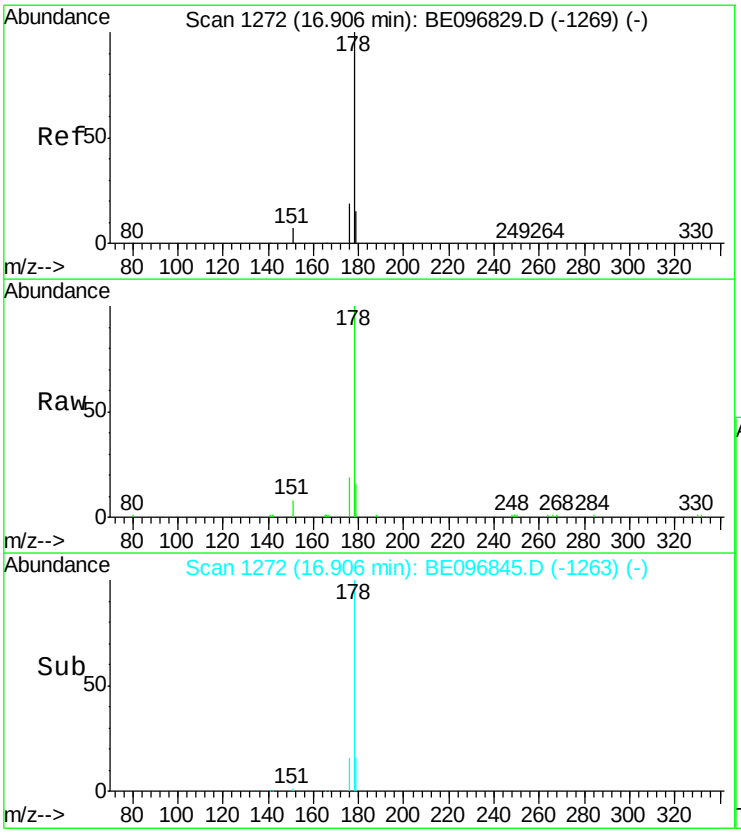
#23
Phenanthrene
Concen: 0.368 ng
RT: 16.81 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:178 Resp: 13154

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.9	11.8	17.6

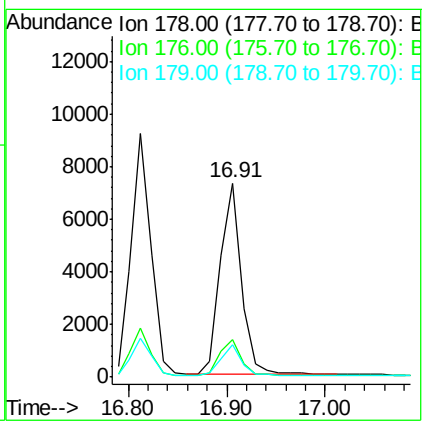


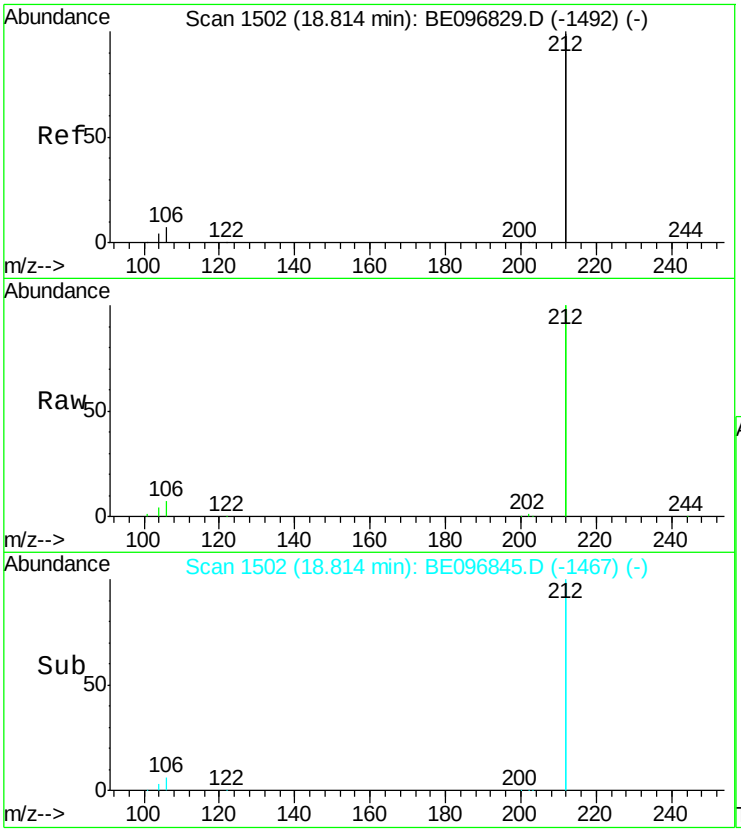


#24
Anthracene
Concen: 0.367 ng
RT: 16.91 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:178 Resp: 10871

Ion	Ratio	Lower	Upper
178	100		
176	19.0	12.8	19.2
179	15.5	13.0	19.6



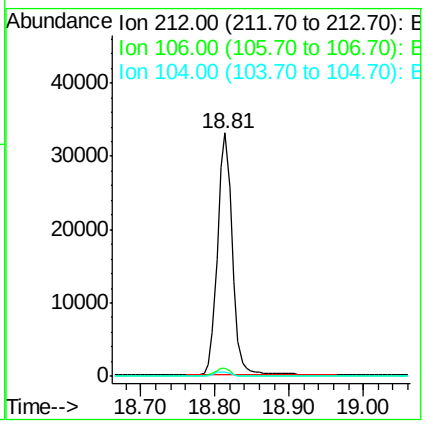


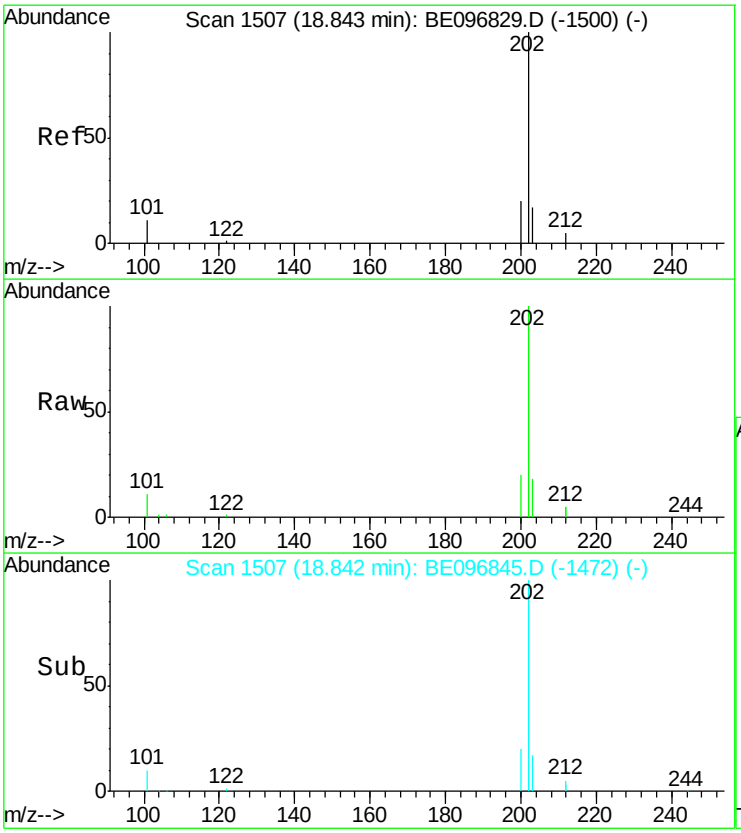
#25
Fluoranthene-d10
Concen: 0.359 ng
RT: 18.81 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:212 Resp: 46017

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.8	4.2
104	1.9	1.6	2.4

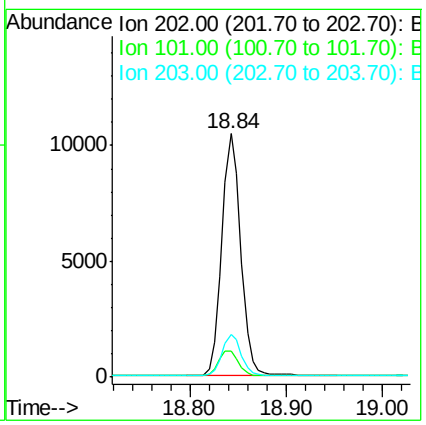


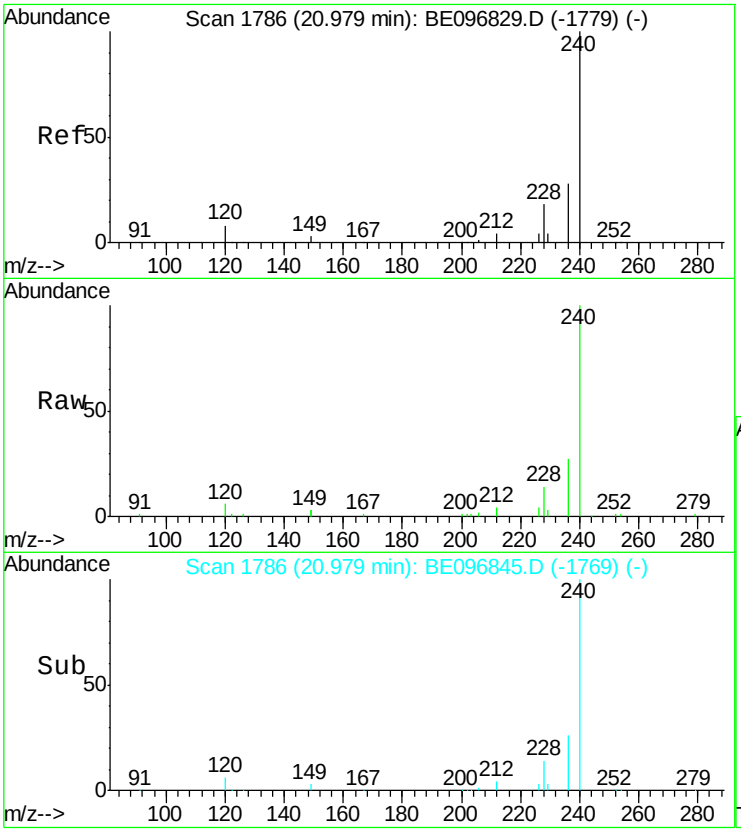


#26
Fluoranthene
Concen: 0.398 ng
RT: 18.84 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:202 Resp: 14410

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.8
203	17.4	13.7	20.5



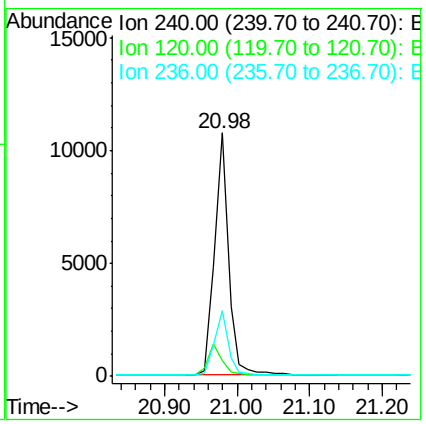


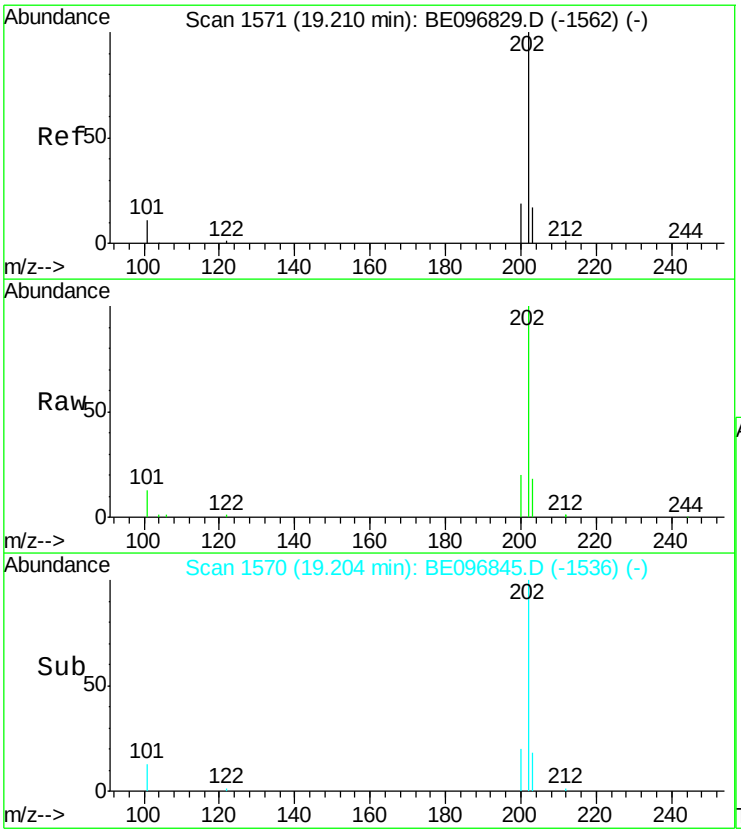
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:240 Resp: 14600

Ion	Ratio	Lower	Upper
240	100		
120	6.5	5.5	8.3
236	26.7	20.7	31.1

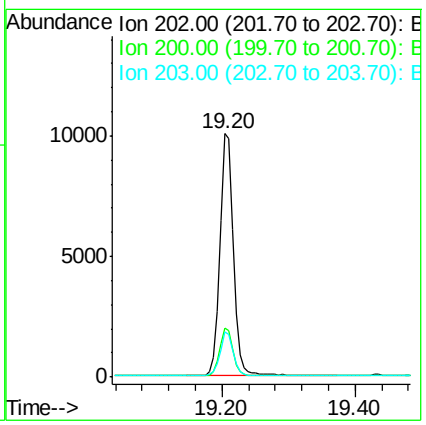


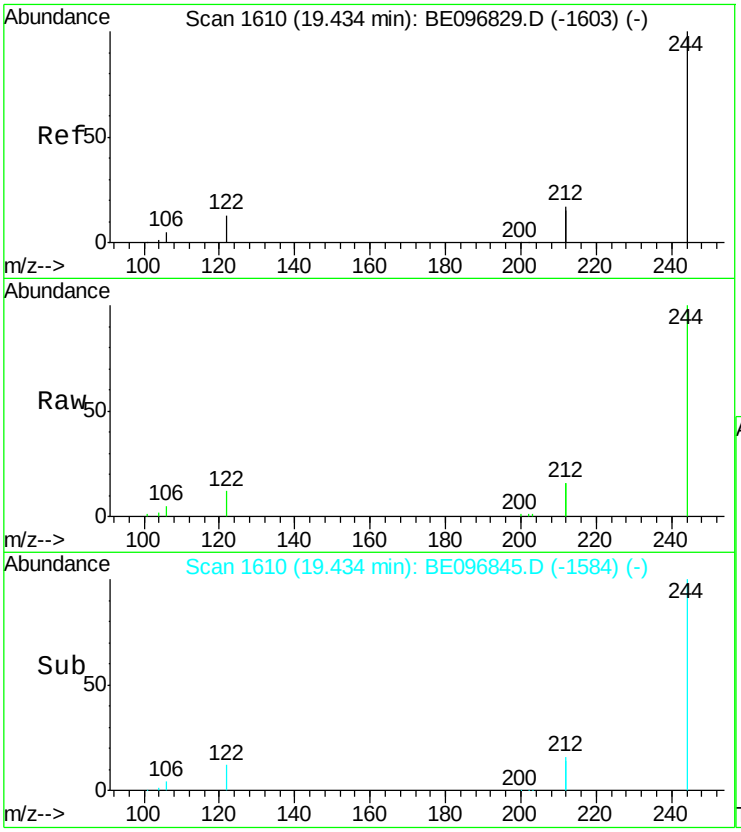


#28
Pyrene
Concen: 0.333 ng
RT: 19.20 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:202 Resp: 14081

Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.6	25.0
203	18.0	13.8	20.8



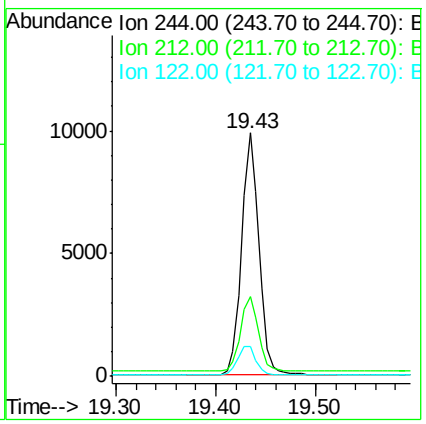


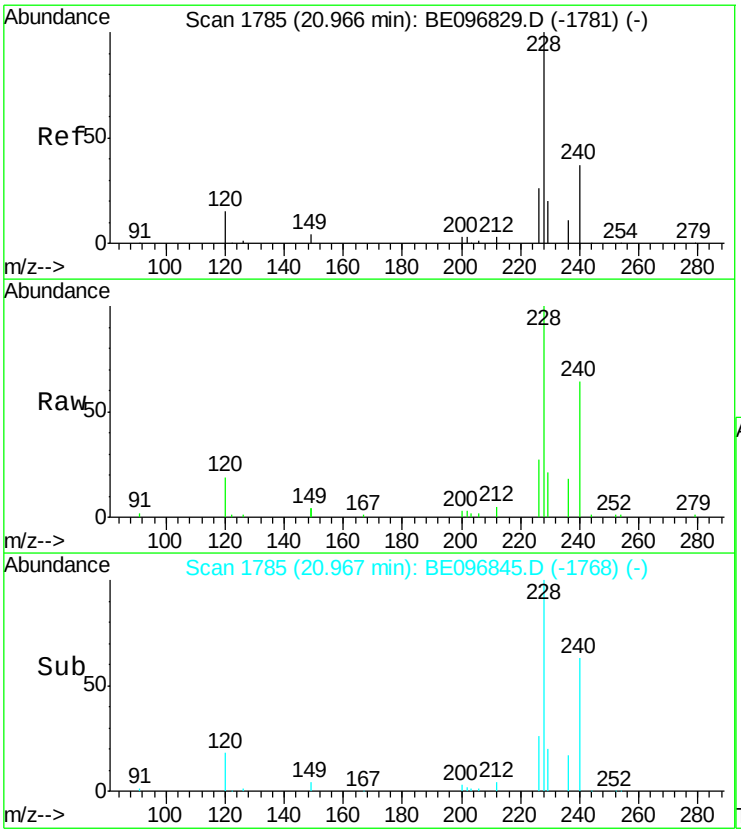
#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.43 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:244 Resp: 11971

Ion	Ratio	Lower	Upper
244	100		
212	32.6	25.4	38.0
122	12.2	8.1	12.1#

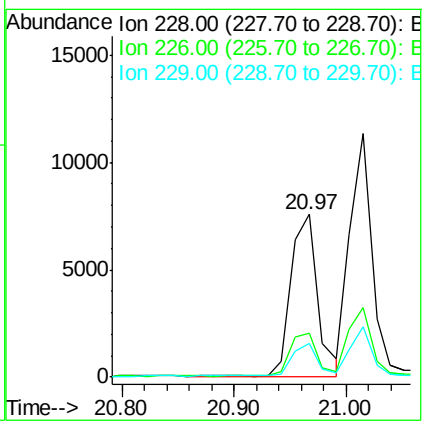


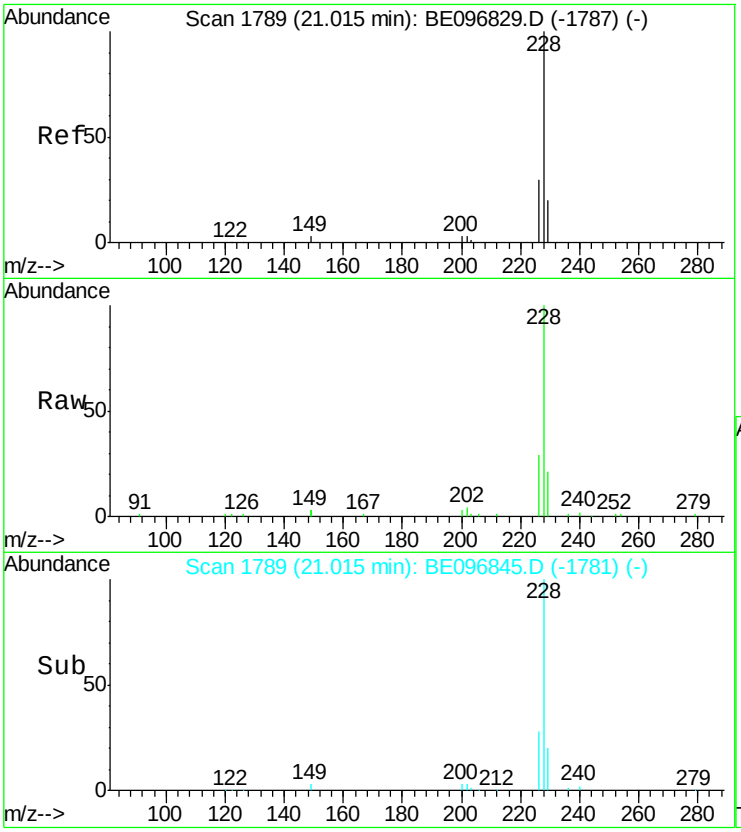


#30
Benzo(a)anthracene
Concen: 0.380 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:228 Resp: 12287

Ion	Ratio	Lower	Upper
228	100		
226	26.6	24.0	36.0
229	20.7	16.0	24.0



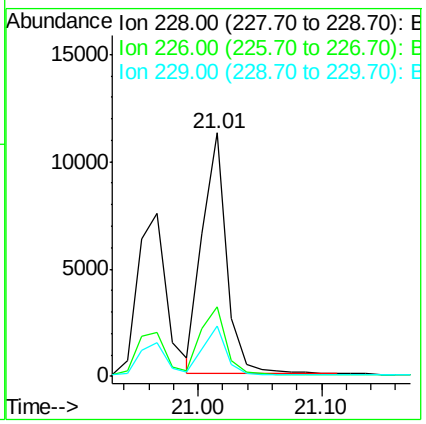


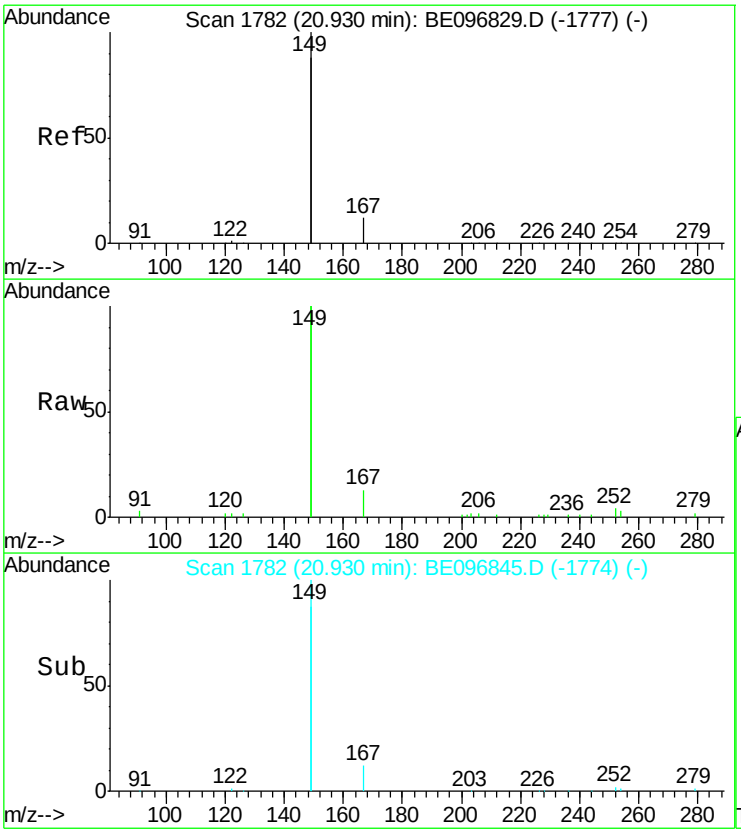
#31
Chrysene
Concen: 0.383 ng
RT: 21.01 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:228 Resp: 15308

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.0	36.0
229	20.6	16.0	24.0

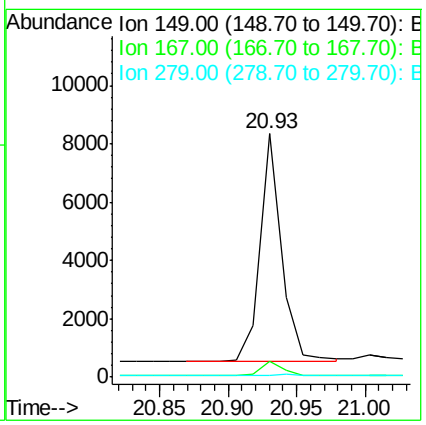


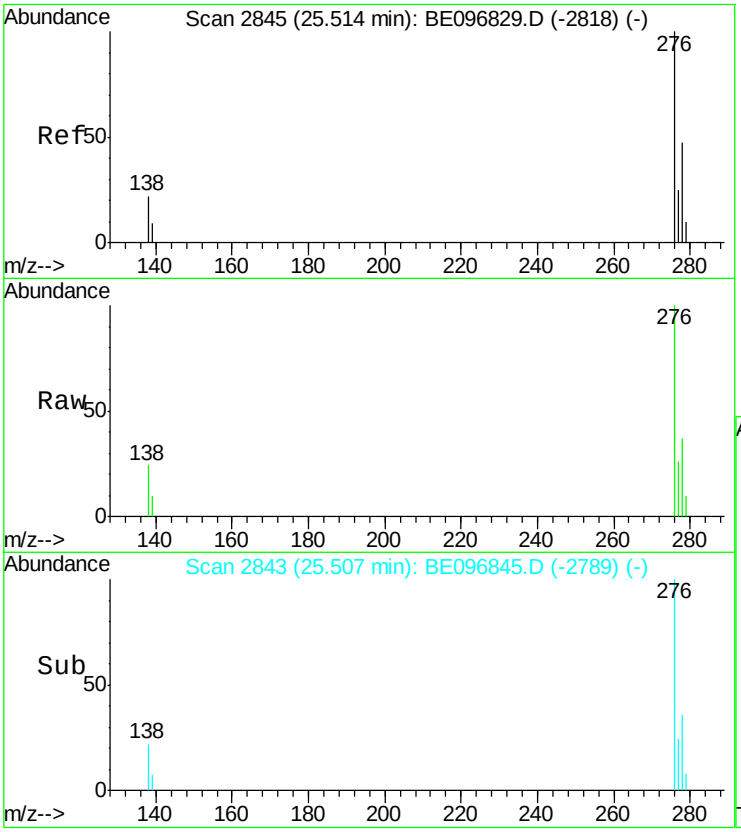


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.296 ng
RT: 20.93 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:149 Resp: 8587

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.9	0.7	1.1



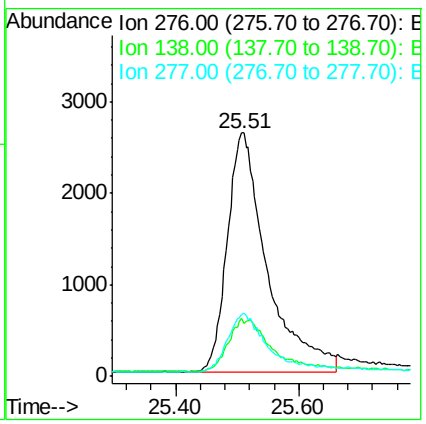


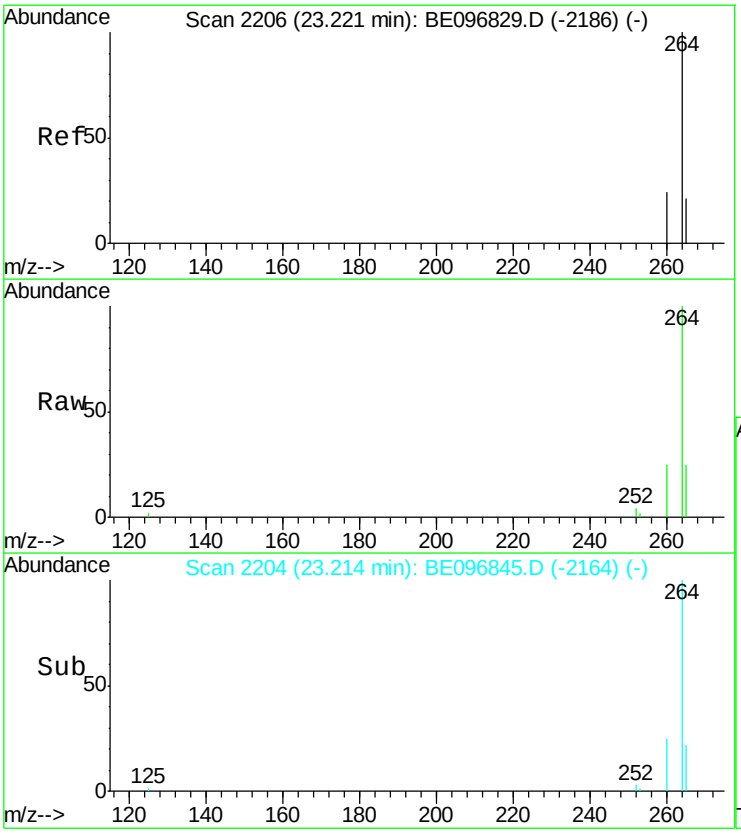
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.397 ng
RT: 25.51 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:276 Resp: 11807

Ion	Ratio	Lower	Upper
276	100		
138	8.8	22.5	33.7#
277	22.9	19.9	29.9

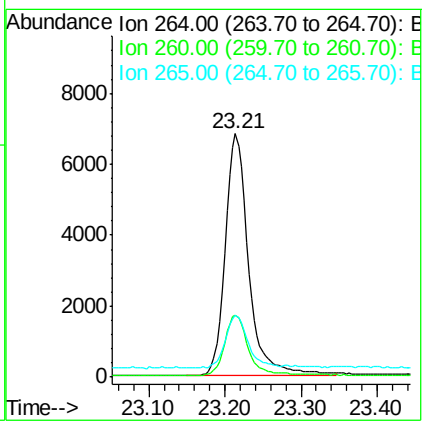


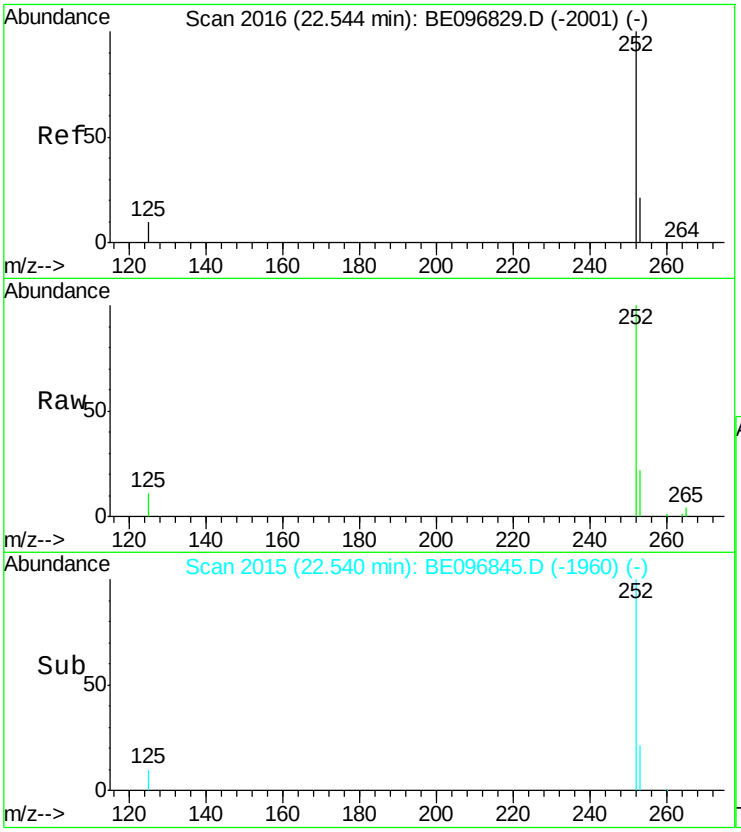


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:264 Resp: 14469

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.5	30.7
265	25.5	22.8	34.2



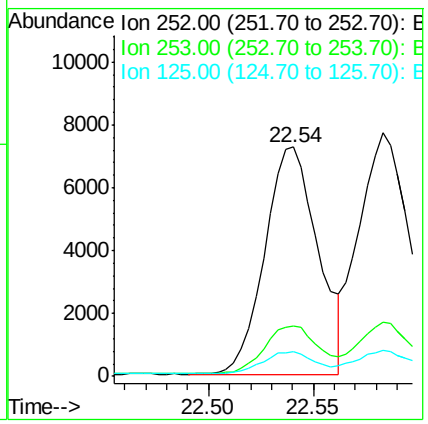


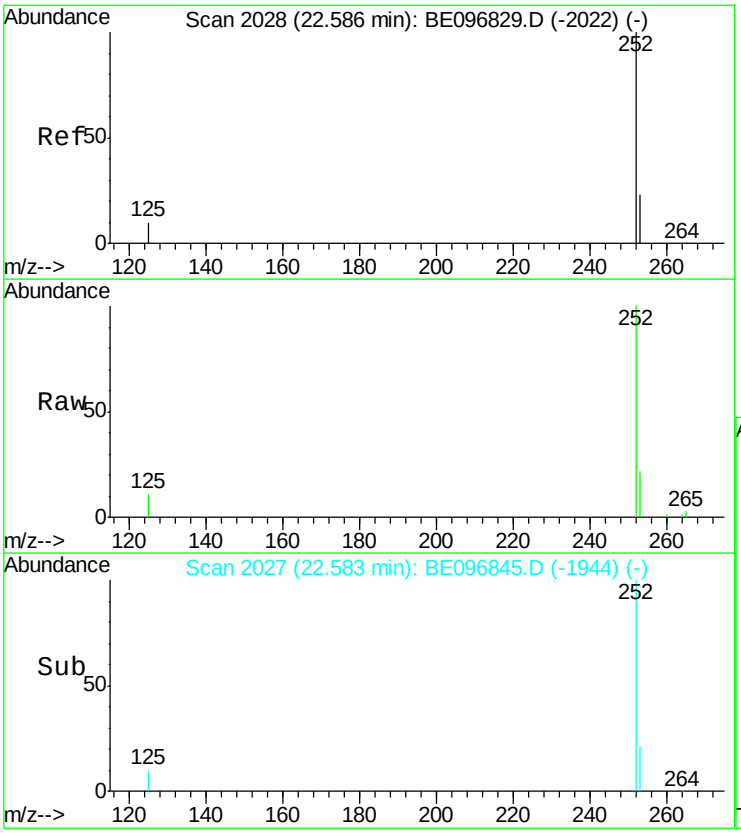
#35
Benzo(b)fluoranthene
Concen: 0.324 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:252 Resp: 12784

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.0	30.0
125	11.0	16.0	24.0#

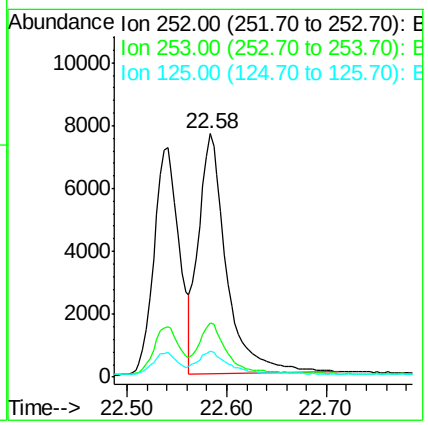


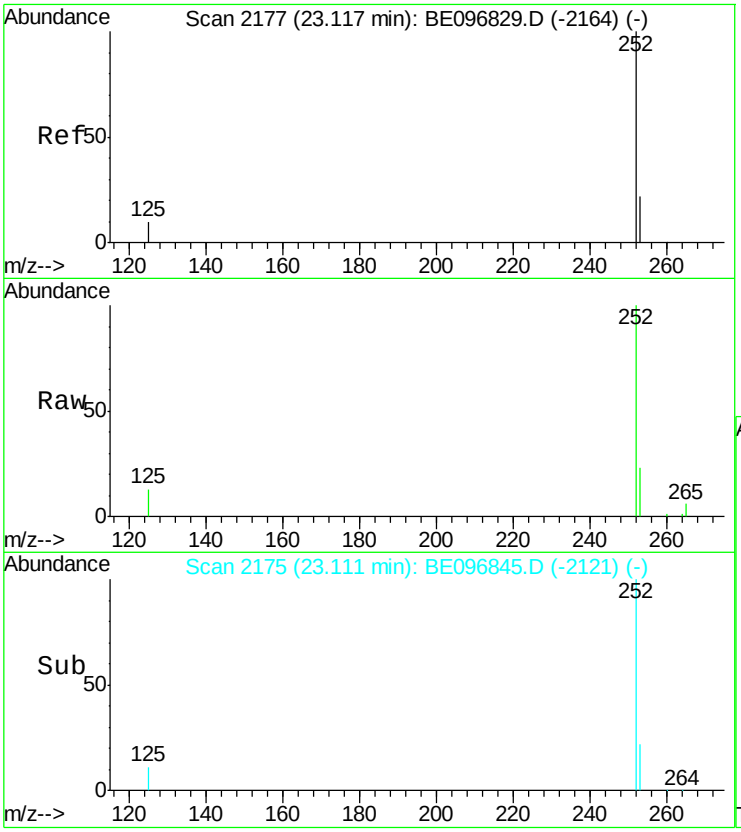


#36
Benzo(k)fluoranthene
Concen: 0.351 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:252 Resp: 14809

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.0	24.0
125	10.8	8.0	12.0



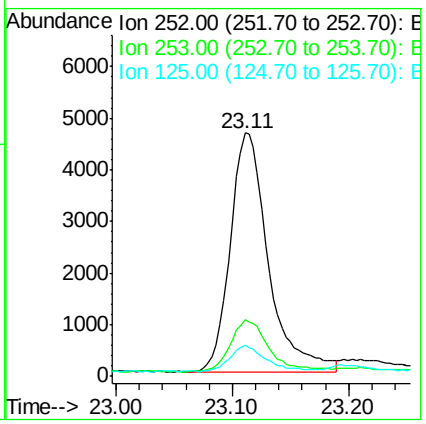


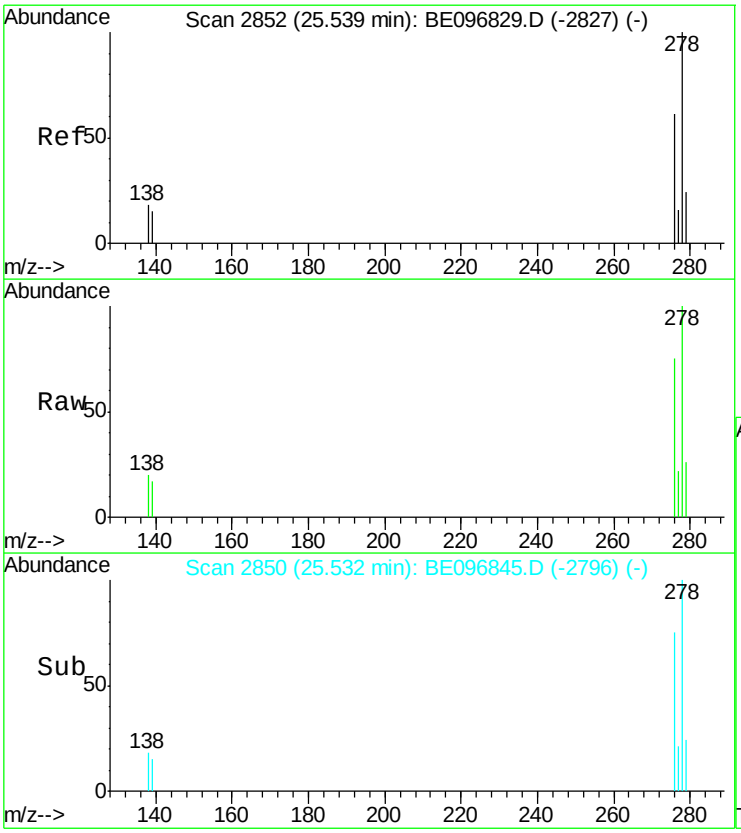
#37
Benzo(a)pyrene
Concen: 0.336 ng
RT: 23.11 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:252 Resp: 10531

Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.0	24.0
125	12.9	12.0	18.0

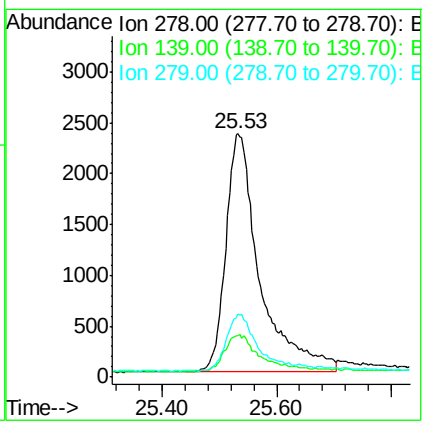


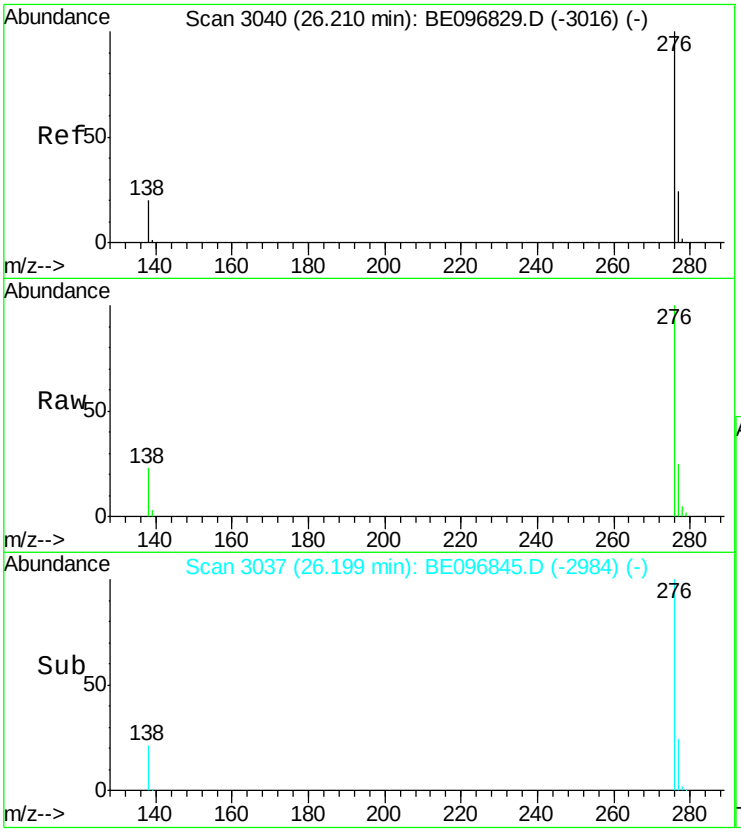


#38
Dibenzo(a,h)anthracene
Concen: 0.339 ng
RT: 25.53 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:278 Resp: 9730

Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.0	24.0
279	26.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.326 ng
RT: 26.20 min Scan# 3037
Delta R.T. -0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampleId :
PB110591BSD

Tgt Ion:276 Resp: 11422

Ion	Ratio	Lower	Upper
276	100		
277	24.8	16.0	24.0#
138	22.9	20.0	30.0