Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
Data File : BE096214.D
Acq On : 30 Apr 2018 10:35
Operator : SJ/JU
Sample : PB108420BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Apr 30 14:28:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	835	0.40	ng		0.00
7) Naphthalene-d8	11.19	136	2942	0.40	ng		0.00
13) Acenaphthene-d10	14.94	164	1405	0.40	ng		0.00
19) Phenanthrene-d10	17.65	188	3312	0.40	ng		0.00
27) Chrysene-d12	21.75	240	3690	0.40	ng		0.01
34) Perylene-d12	24.35	264	3545	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.86	112	897	0.35	ng		0.00
5) Phenol-d6	7.51	99	1259	0.35	ng		0.00
8) Nitrobenzene-d5	9.54	82	1252	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.73	152	1602	0.34	ng		0.00
14) 2,4,6-Tribromophenol	16.41	330	189	0.28	ng		0.00
15) 2-Fluorobiphenyl	13.57	172	2336	0.39	ng		0.00
25) Fluoranthene-d10	19.64	212	15481	0.34	ng		0.00
29) Terphenyl-d14	20.19	244	2735	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.60	88	349	0.271	ng	#	67
3) n-Nitrosodimethylamine	3.95	42	652	0.413	ng	#	78
6) bis(2-Chloroethyl)ether	7.76	93	1019	0.325	ng		97
9) Naphthalene	11.24	128	11279	0.364	ng		99
10) Hexachlorobutadiene	11.50	225	291	0.212	ng		88
12) 2-Methylnaphthalene	12.81	142	1822	0.355	ng		93
16) Acenaphthylene	14.67	152	2711	0.361	ng		99
17) Acenaphthene	15.00	154	1611	0.357	ng		93
18) Fluorene	15.97	166	2036	0.365	ng	#	79
20) 4-Bromophenyl-phenylether	16.84	248	610	0.310	ng	#	78
21) Hexachlorobenzene	16.97	284	631	0.322	ng	#	82
22) Pentachlorophenol	17.31	266	295	0.462	ng	#	80
23) Phenanthrene	17.70	178	3336	0.359	ng		98
24) Anthracene	17.78	178	3211	0.361	ng		95
26) Fluoranthene	19.66	202	4385	0.359	ng		98
28) Pyrene	20.00	202	213	0.029	ng	#	78
30) Benzo(a)anthracene	21.73	228	4321	0.365	ng		98
31) Chrysene	21.79	228	4266	0.373	ng		98
32) Bis(2-ethylhexyl)phthalate	21.60	149	10575	0.346	ng		100
33) Indeno(1,2,3-cd)pyrene	27.13	276	4516	0.407	ng		96
35) Benzo(b)fluoranthene	23.54	252	4088	0.384	ng	#	93
36) Benzo(k)fluoranthene	23.59	252	4077	0.373	ng	#	90
37) Benzo(a)pyrene	24.24	252	3902	0.382	ng	#	94
38) Dibenzo(a,h)anthracene	27.14	278	3650	0.405	ng		97
39) Benzo(g,h,i)perylene	27.99	276	3761	0.395	ng	#	92

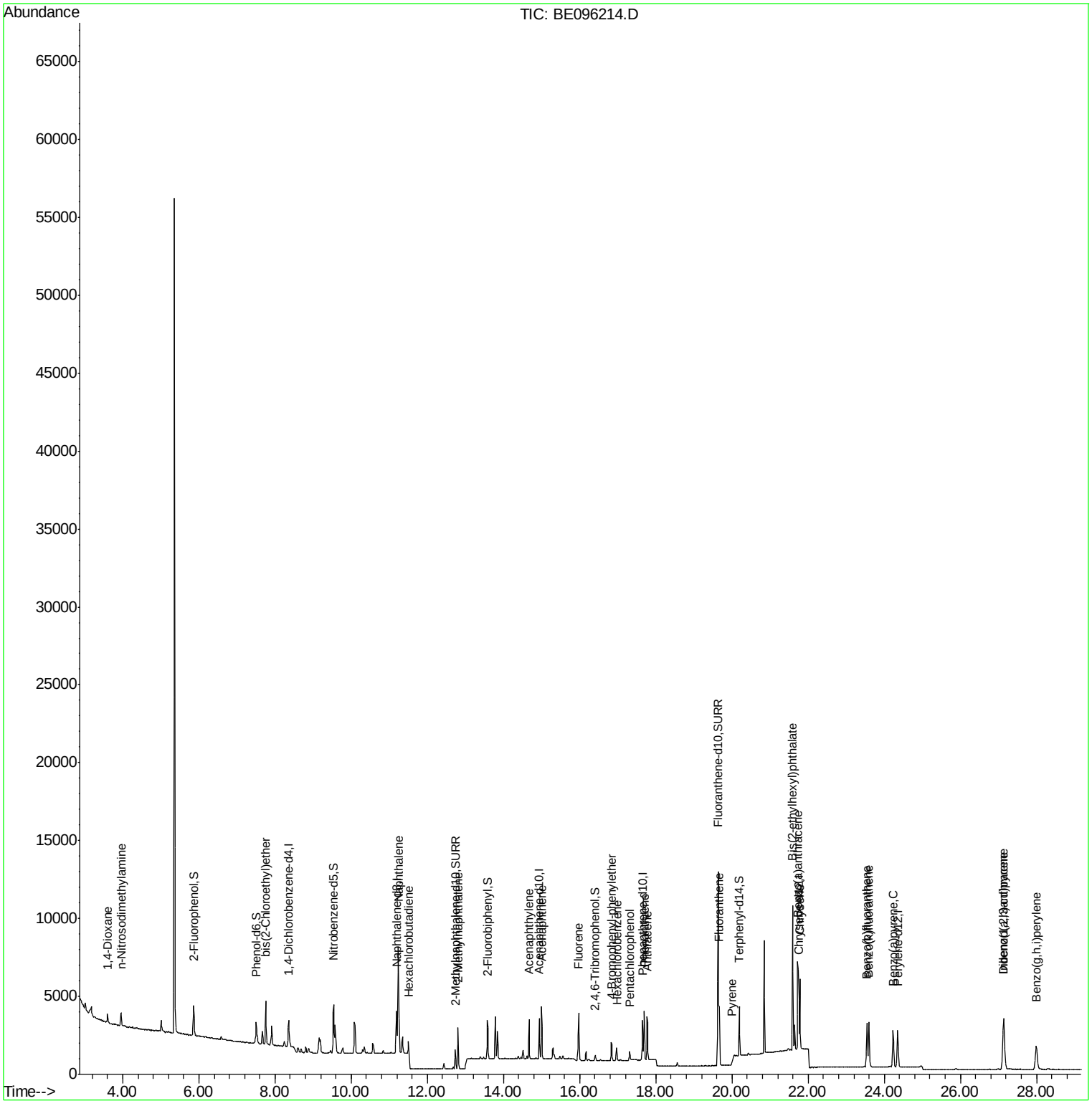
(#) = qualifier out of range (m) = manual integration (+) = signals summed

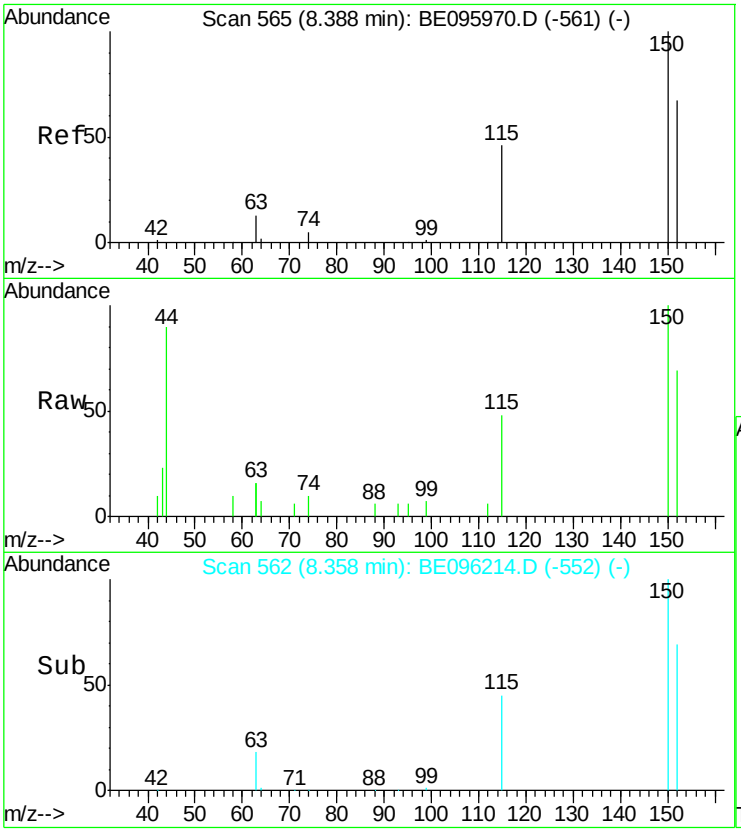
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
Data File : BE096214.D
Acq On : 30 Apr 2018 10:35
Operator : SJ/JU
Sample : PB108420BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Apr 30 14:28:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration



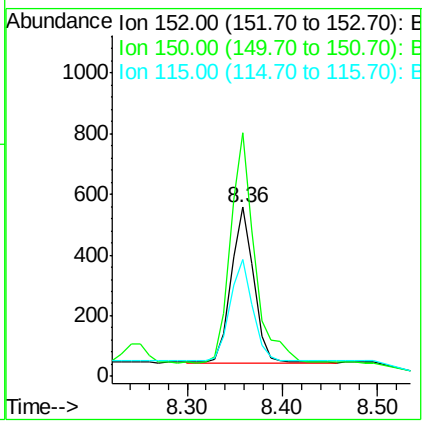


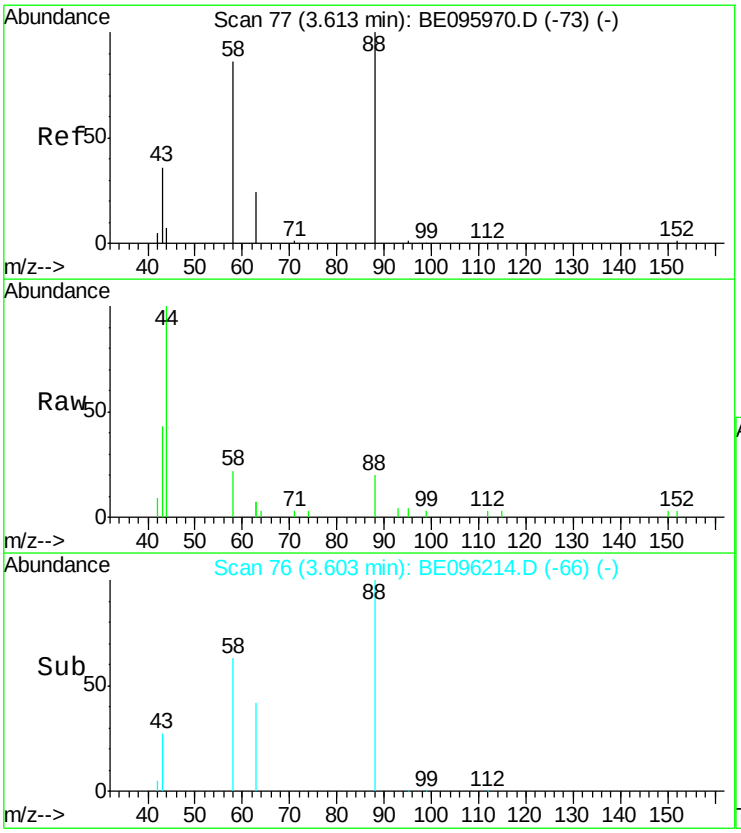
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 835

Ion	Ratio	Lower	Upper
152	100		
150	144.2	117.2	175.8
115	69.1	57.0	85.6

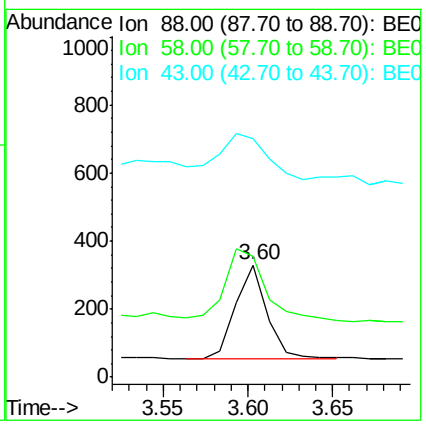


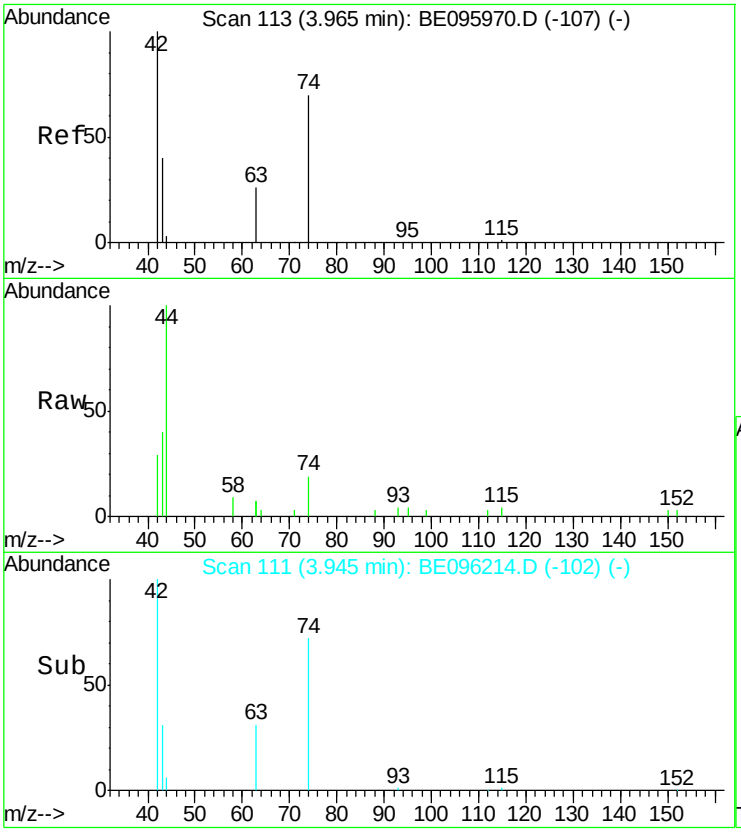


#2
1,4-Dioxane
Concen: 0.271 ng
RT: 3.60 min Scan# 76
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion: 88 Resp: 349

Ion	Ratio	Lower	Upper
88	100		
58	106.9	63.2	94.8#
43	75.4	41.2	61.8#



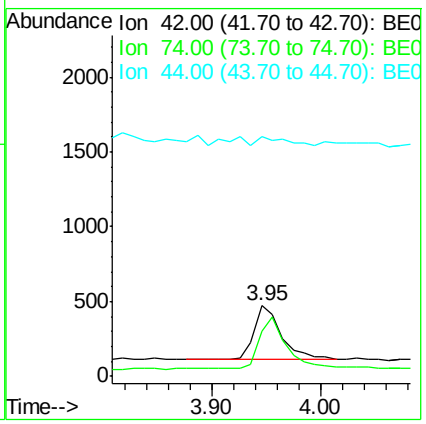


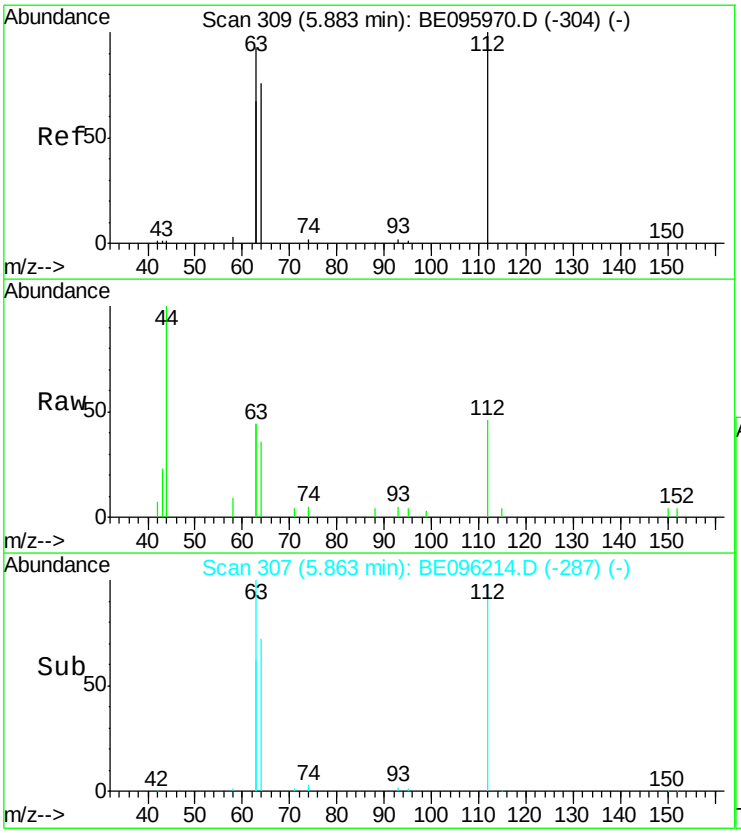
#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.95 min Scan# 111
Delta R.T. -0.01 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 652

Ion	Ratio	Lower	Upper
42	100		
74	92.5	96.0	144.0#
44	14.9	12.0	18.0

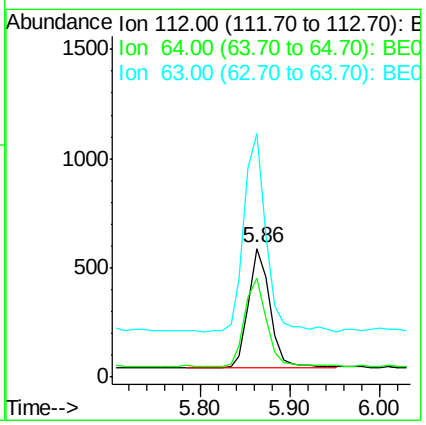


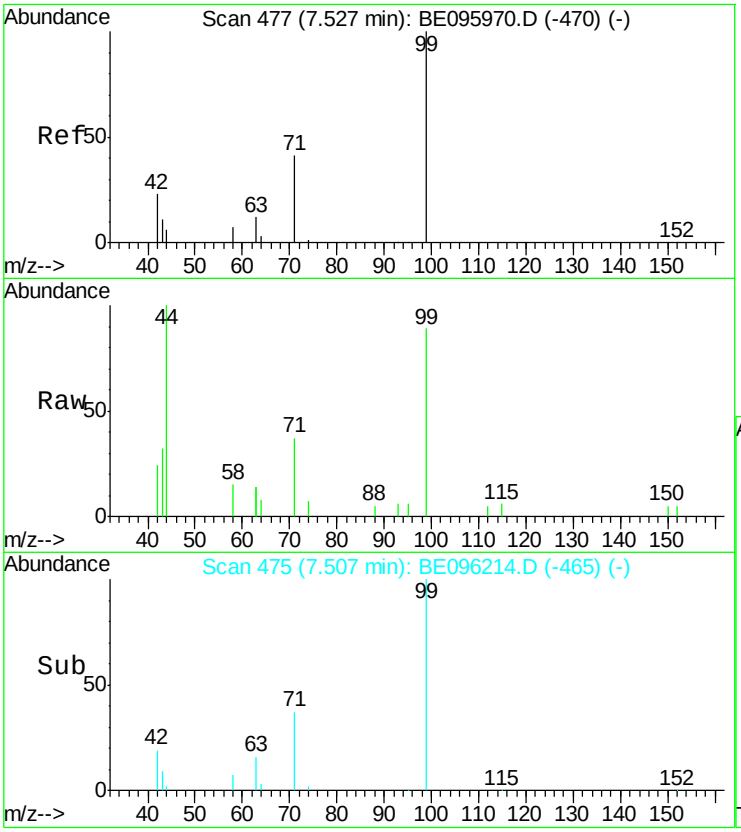


#4
2-Fluorophenol
Concen: 0.347 ng
RT: 5.86 min Scan# 307
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:112 Resp: 897

Ion	Ratio	Lower	Upper
112	100		
64	78.4	60.1	90.1
63	169.7	116.8	175.2



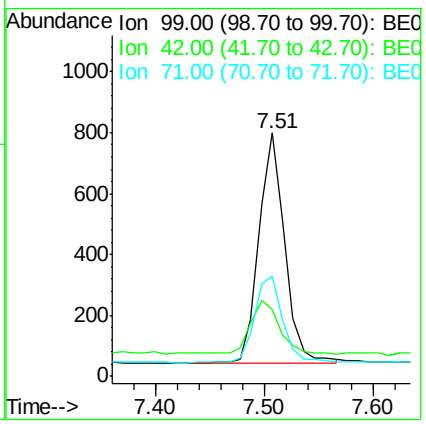


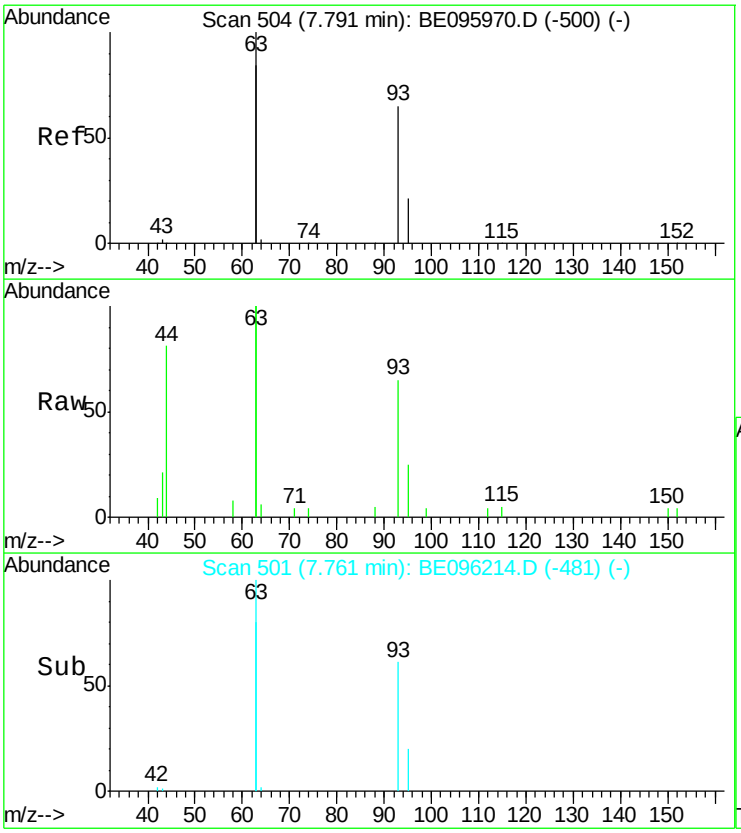
#5
Phenol-d6
Concen: 0.353 ng
RT: 7.51 min Scan# 475
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1259

Ion	Ratio	Lower	Upper
99	100		
42	25.7	20.2	30.2
71	41.4	28.4	42.6

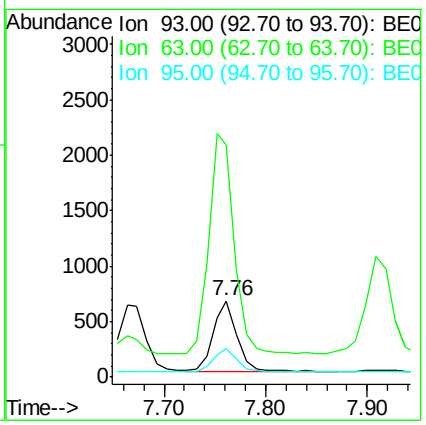


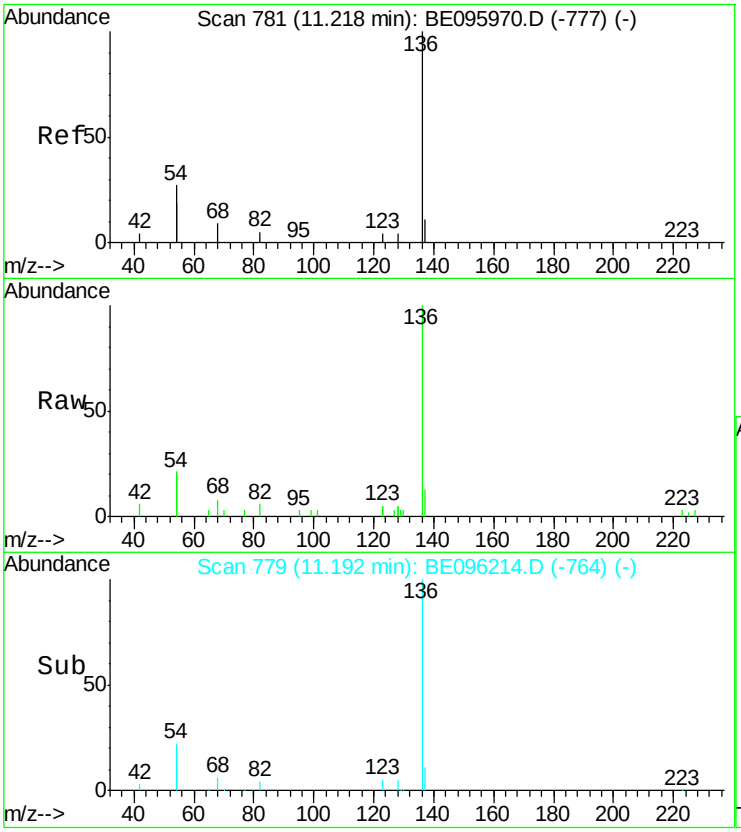


#6
bis(2-Chloroethyl)ether
Concen: 0.325 ng
RT: 7.76 min Scan# 501
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion: 93 Resp: 1019

Ion	Ratio	Lower	Upper
93	100		
63	338.2	275.3	412.9
95	33.1	25.2	37.8



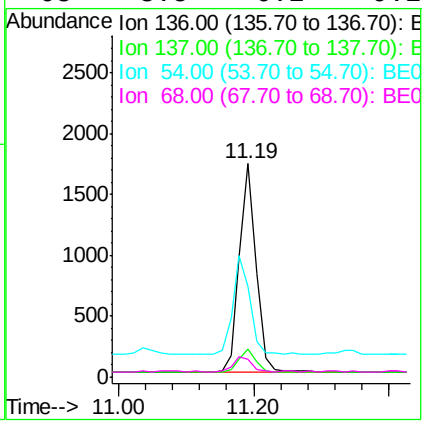


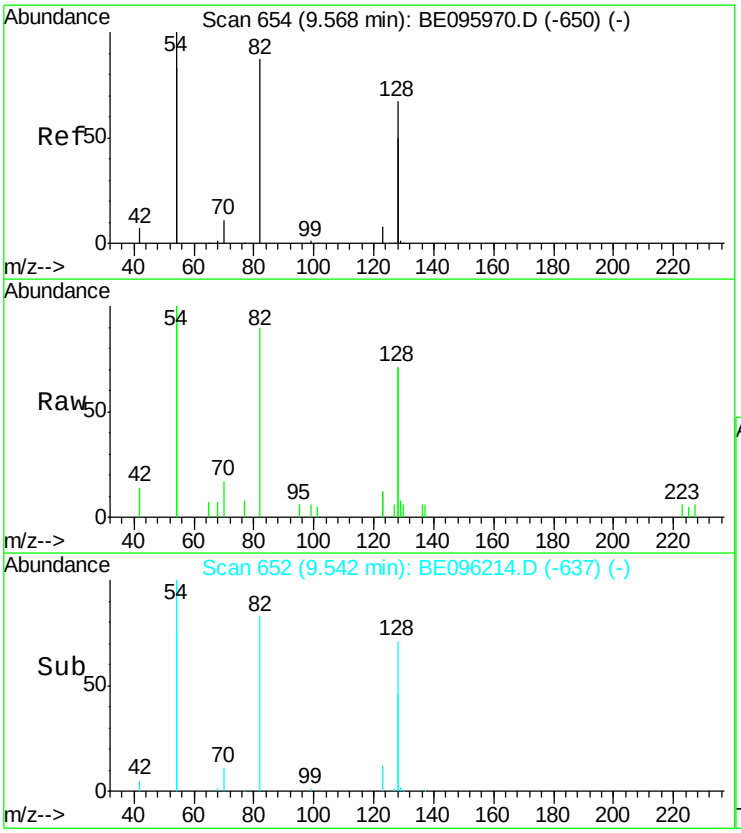
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.19 min Scan# 779
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 2942

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.5	14.3
54	42.7	29.1	43.7
68	8.5	6.2	9.2

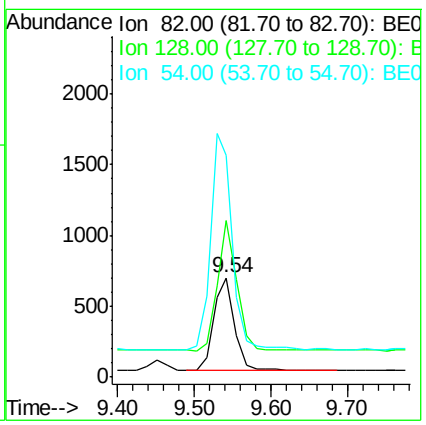


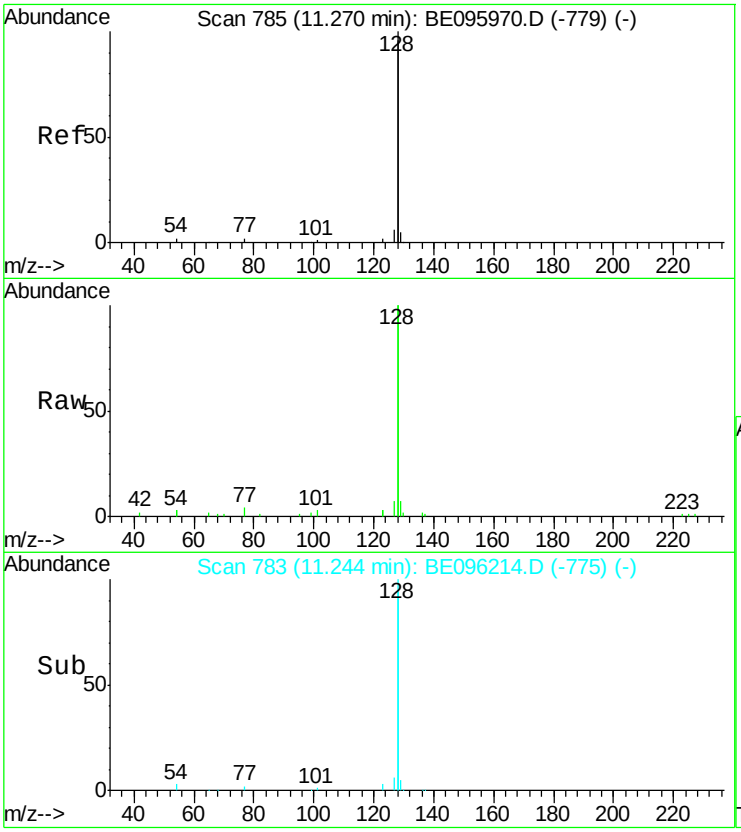


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 9.54 min Scan# 652
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion: 82 Resp: 1252

Ion	Ratio	Lower	Upper
82	100		
128	158.3	150.0	225.0
54	223.4	154.2	231.4



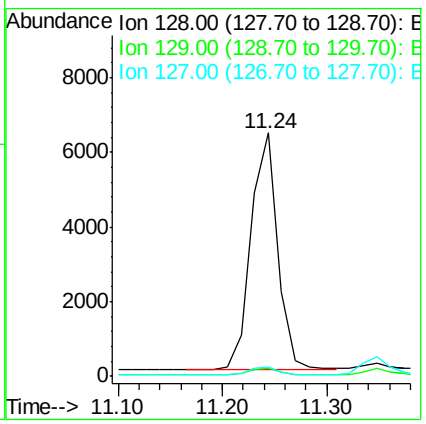


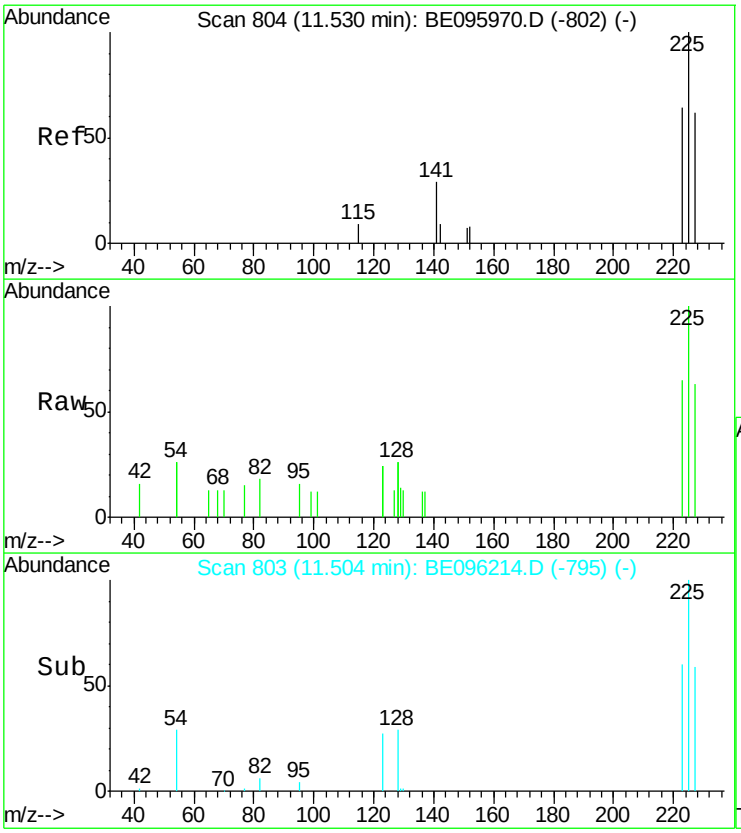
#9
Naphthalene
Concen: 0.364 ng
RT: 11.24 min Scan# 783
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 11279

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	3.8
127	3.7	2.8	4.2

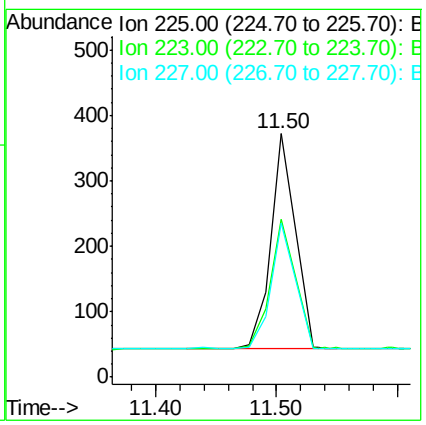


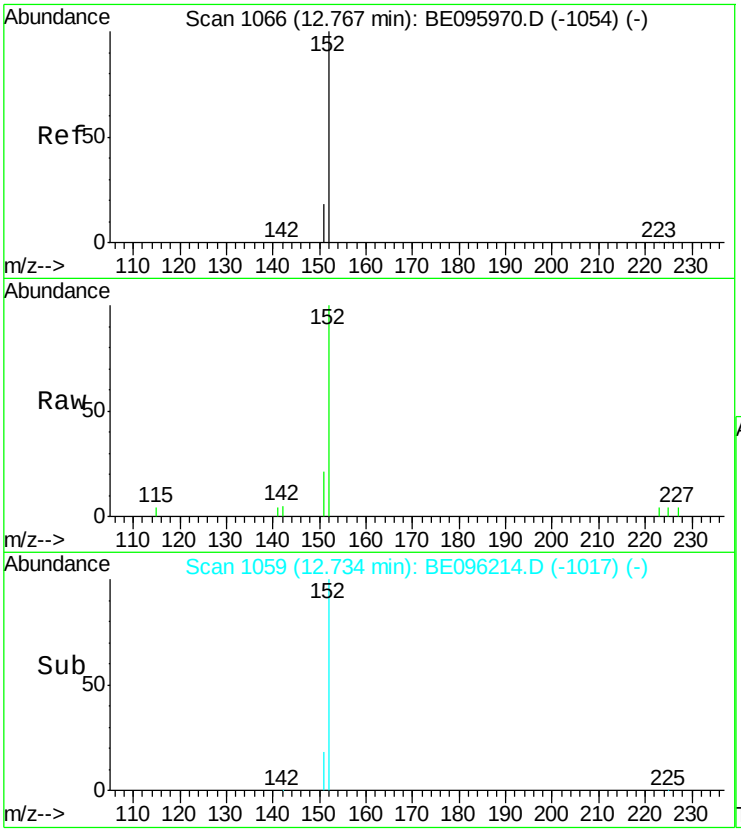


#10
Hexachlorobutadiene
Concen: 0.212 ng
RT: 11.50 min Scan# 803
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:225 Resp: 291

Ion	Ratio	Lower	Upper
225	100		
223	55.0	53.0	79.6
227	71.5	51.4	77.2



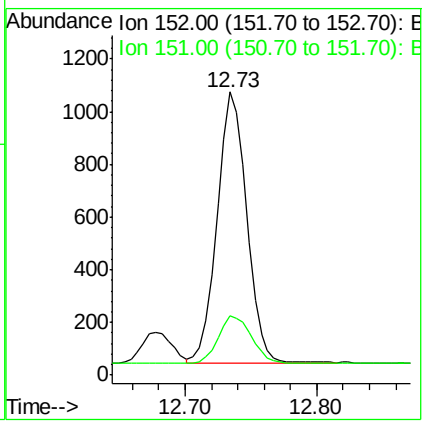


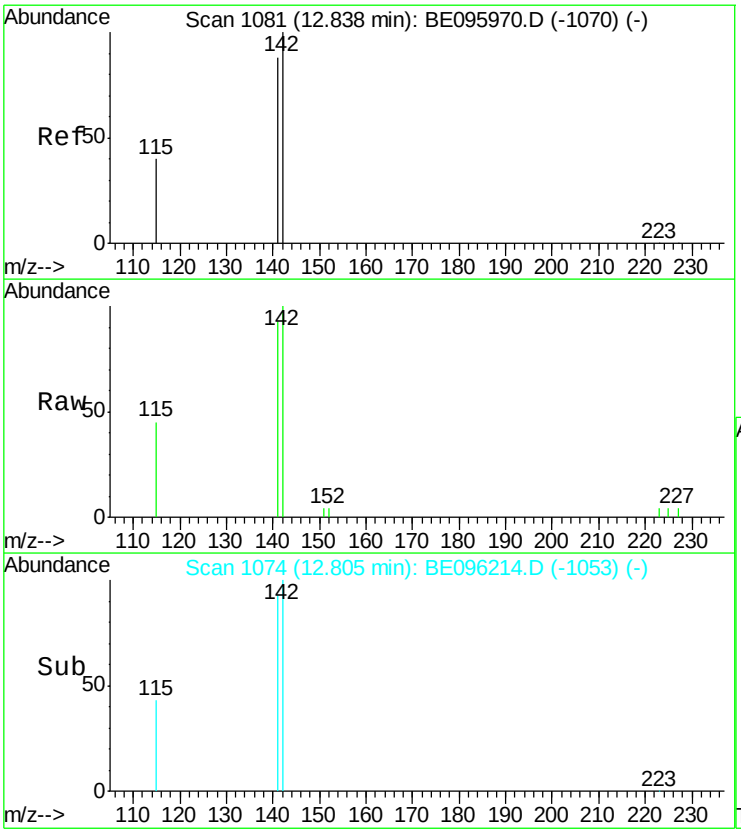
#11
2-Methylnaphthalene-d10
Concen: 0.344 ng
RT: 12.73 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1602

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.0

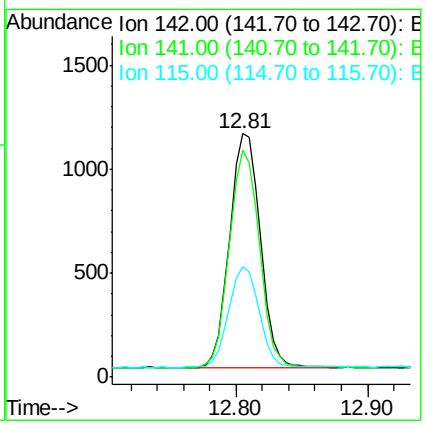


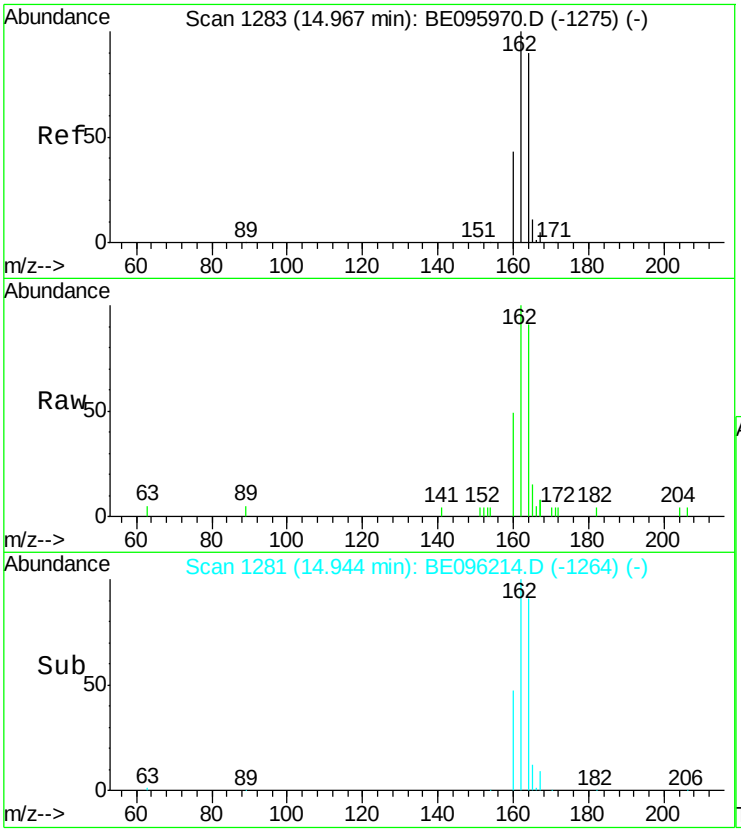


#12
2-Methylnaphthalene
Concen: 0.355 ng
RT: 12.81 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:142 Resp: 1822

Ion	Ratio	Lower	Upper
142	100		
141	93.3	70.4	105.6
115	45.2	31.7	47.5



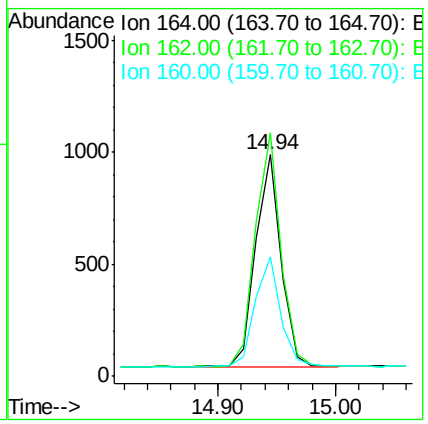


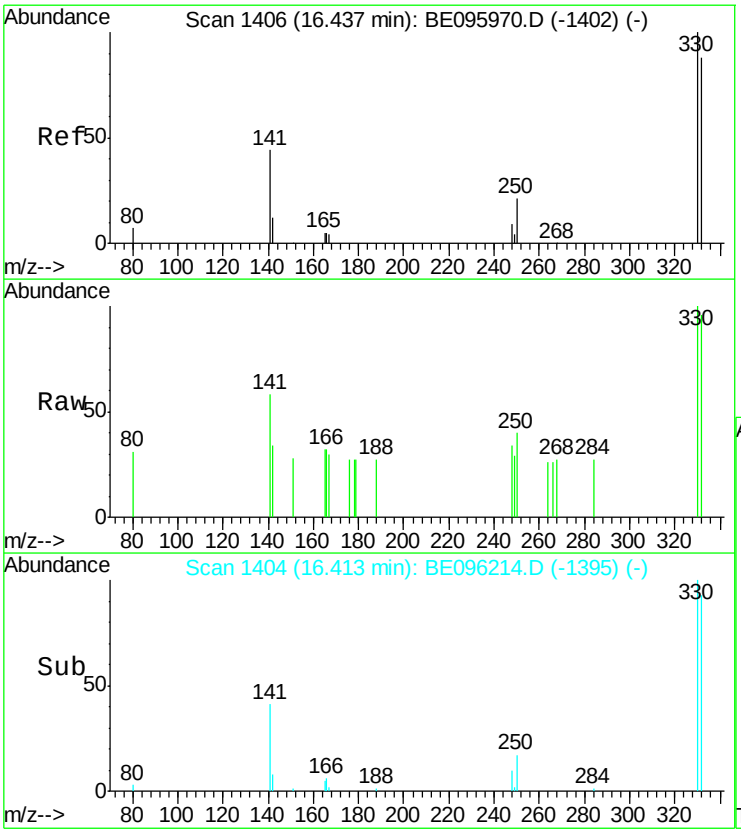
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.94 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1405

Ion	Ratio	Lower	Upper
164	100		
162	109.9	83.1	124.7
160	53.9	37.1	55.7

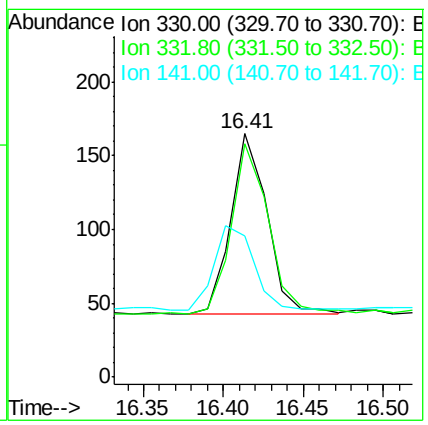


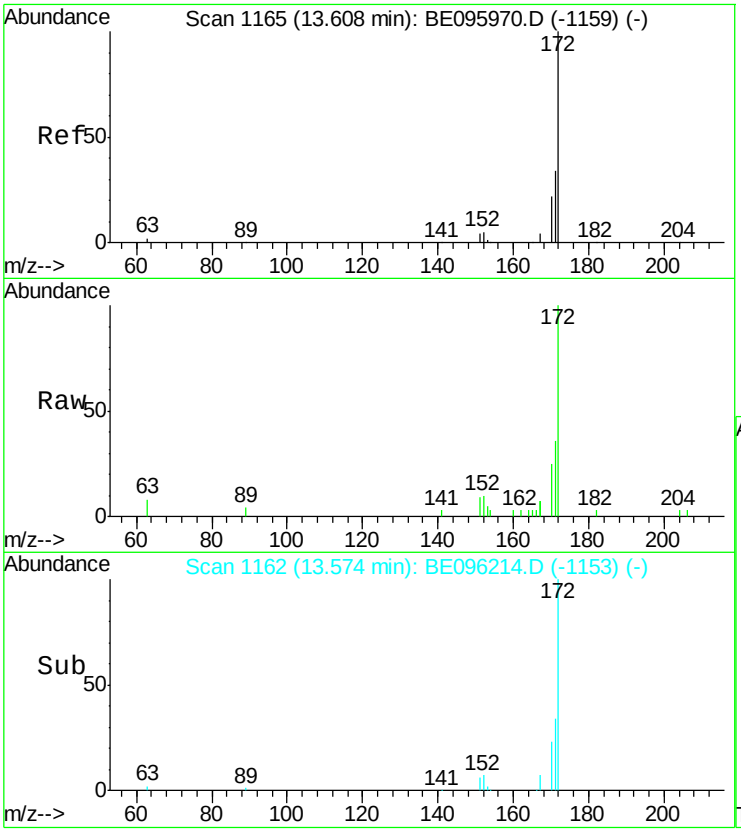


#14
2,4,6-Tribromophenol
Concen: 0.279 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:330 Resp: 189

Ion	Ratio	Lower	Upper
330	100		
332	96.8	152.7	229.1#
141	53.4	33.7	50.5#



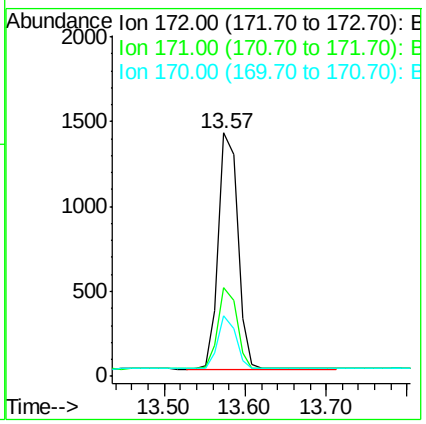


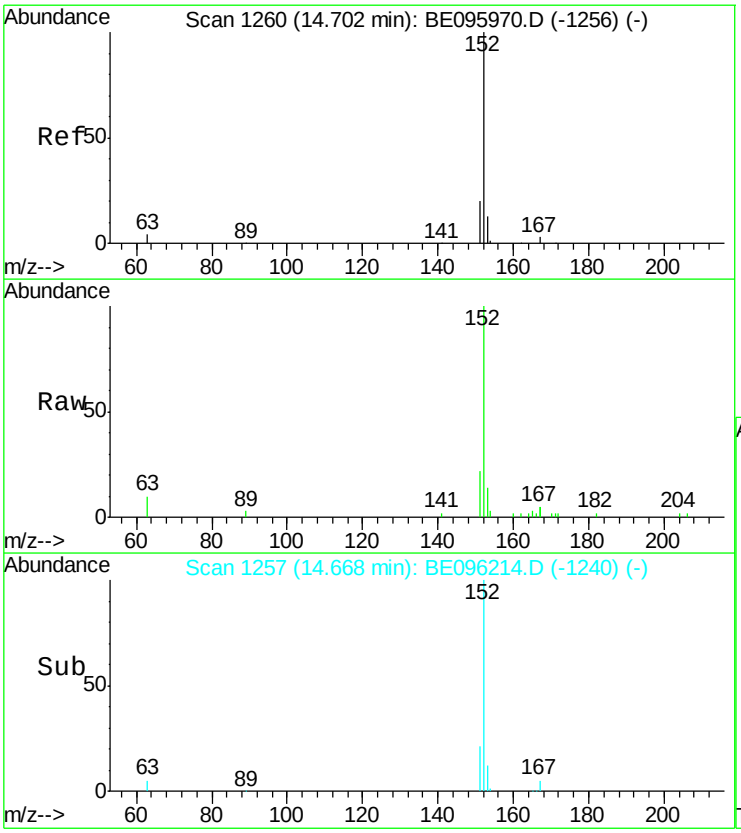
#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2336

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	25.1	21.8	32.8

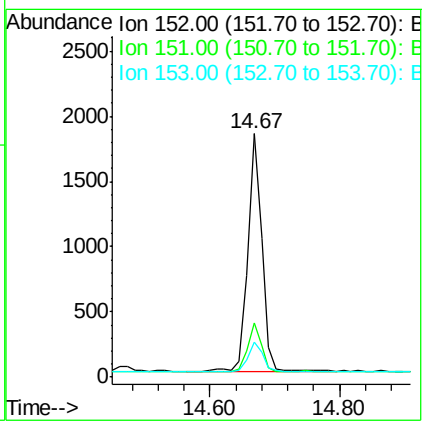


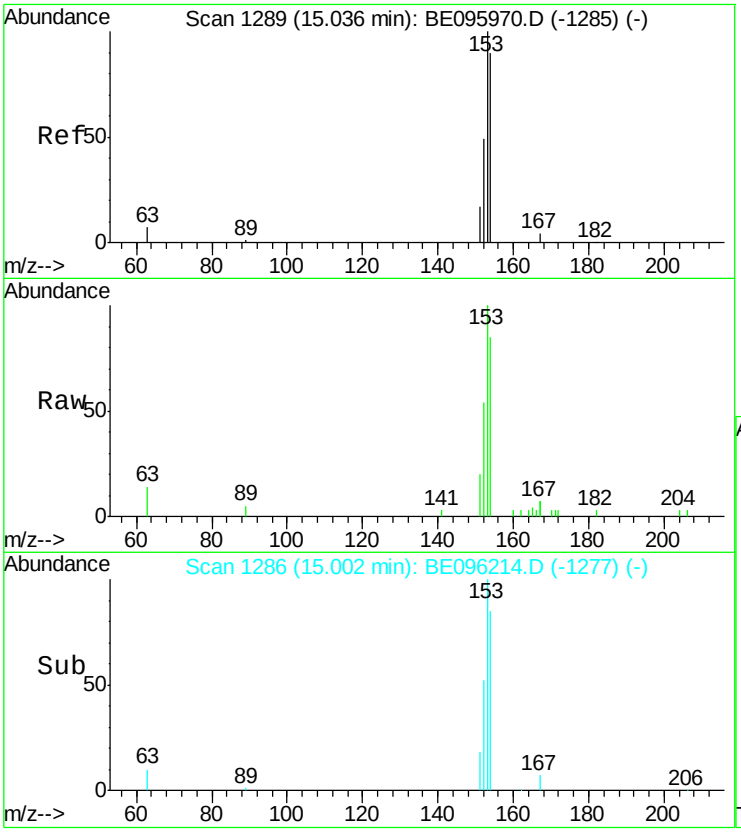


#16
Acenaphthylene
Concen: 0.361 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:152 Resp: 2711

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.7	10.5	15.7



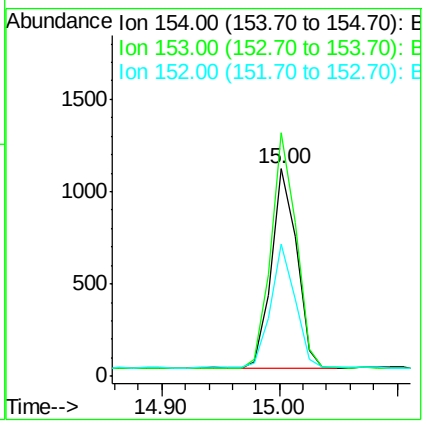


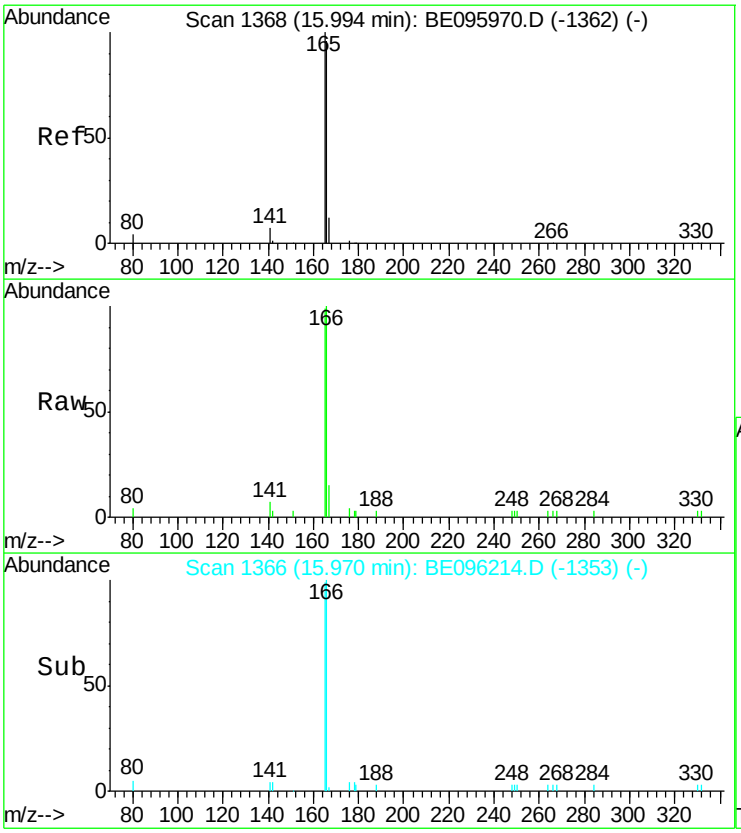
#17
Acenaphthene
Concen: 0.357 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1611

Ion	Ratio	Lower	Upper
154	100		
153	116.8	89.2	133.8
152	59.8	42.0	63.0

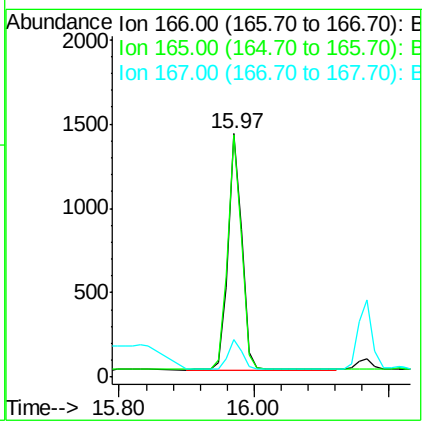


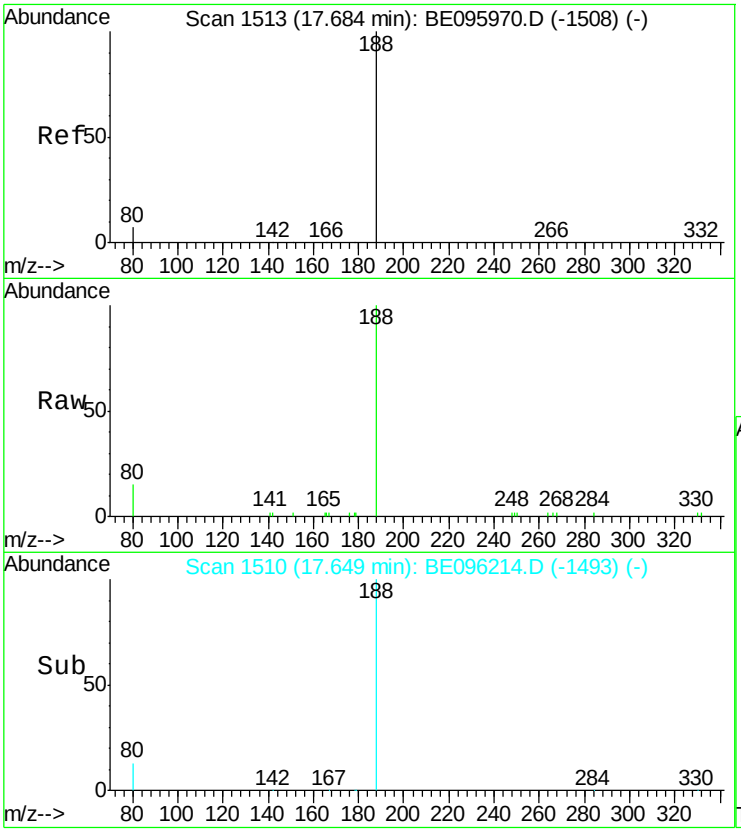


#18
Fluorene
Concen: 0.365 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:166 Resp: 2036

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.8	116.6
167	13.6	42.4	63.6#



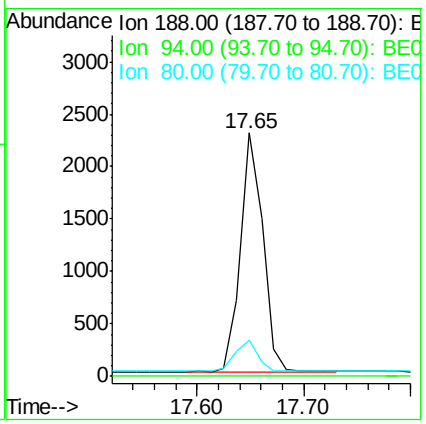


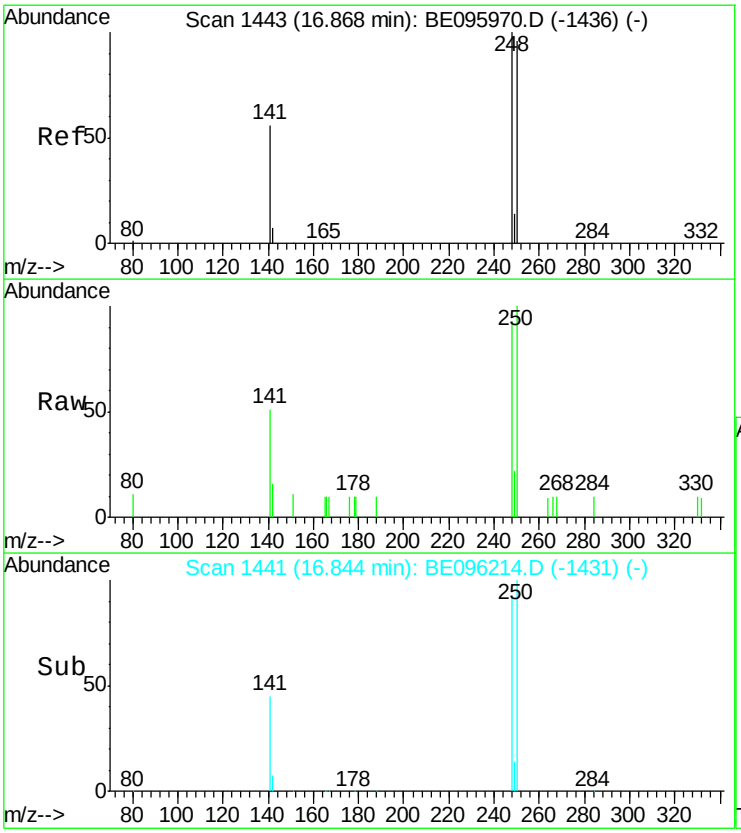
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.65 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 3312

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	14.7	3.6	5.4#

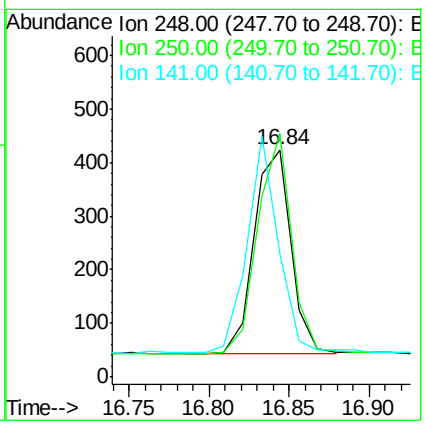


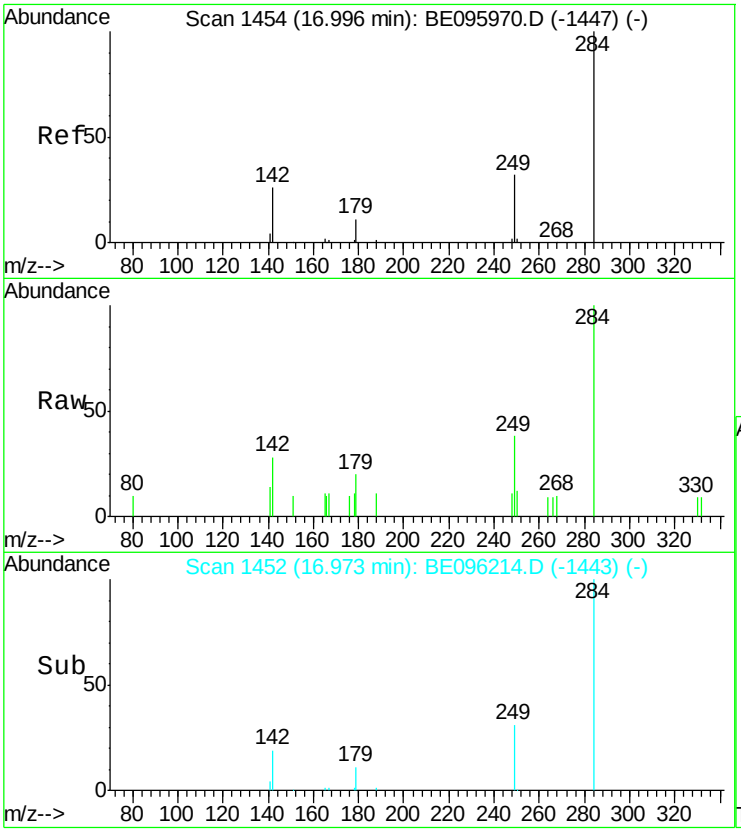


#20
4-Bromophenyl-phenylether
Concen: 0.310 ng
RT: 16.84 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:248 Resp: 610

Ion	Ratio	Lower	Upper
248	100		
250	107.1	62.7	94.1#
141	54.5	48.2	72.2



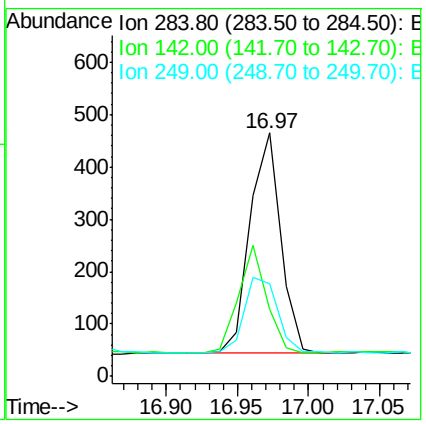


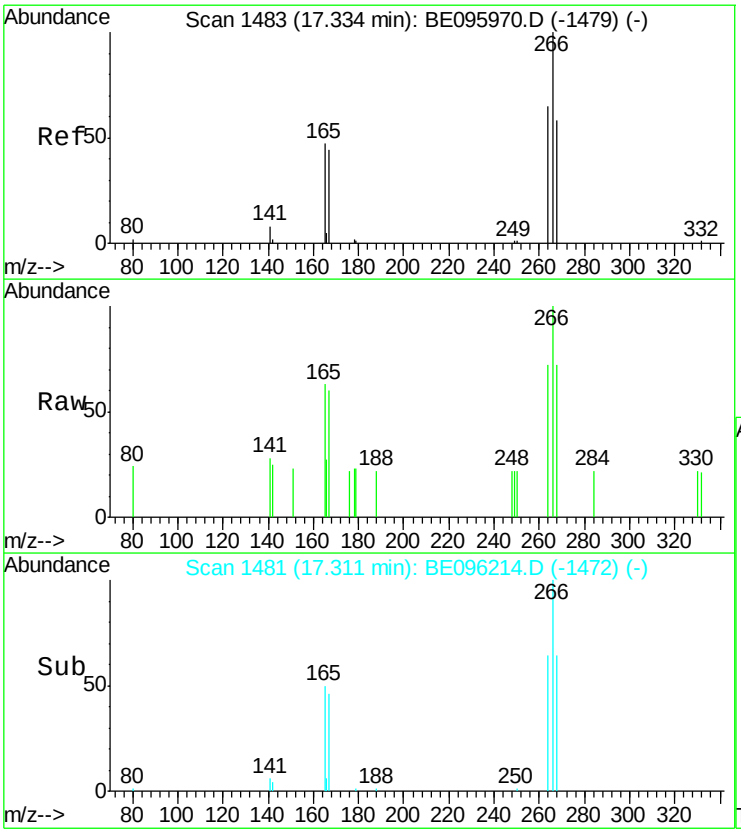
#21
Hexachlorobenzene
Concen: 0.322 ng
RT: 16.97 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 631

Ion	Ratio	Lower	Upper
284	100		
142	44.4	22.1	33.1#
249	38.0	34.8	52.2

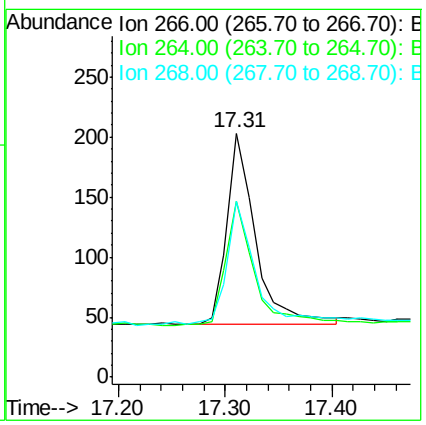


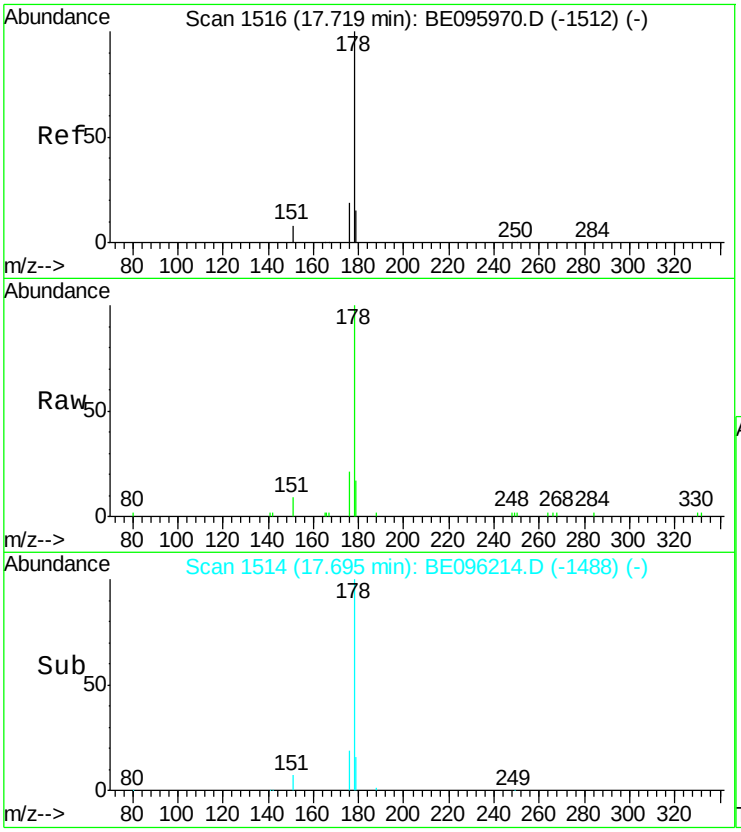


#22
Pentachlorophenol
Concen: 0.462 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:266 Resp: 295

Ion	Ratio	Lower	Upper
266	100		
264	71.9	72.5	108.7#
268	72.4	73.8	110.6#



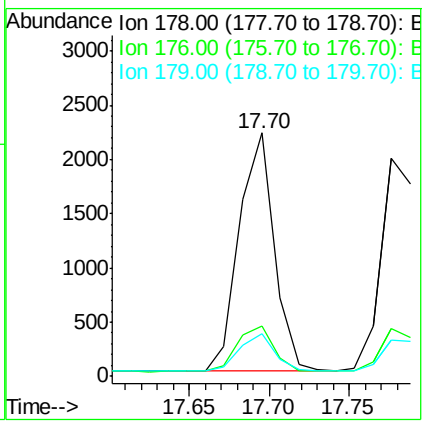


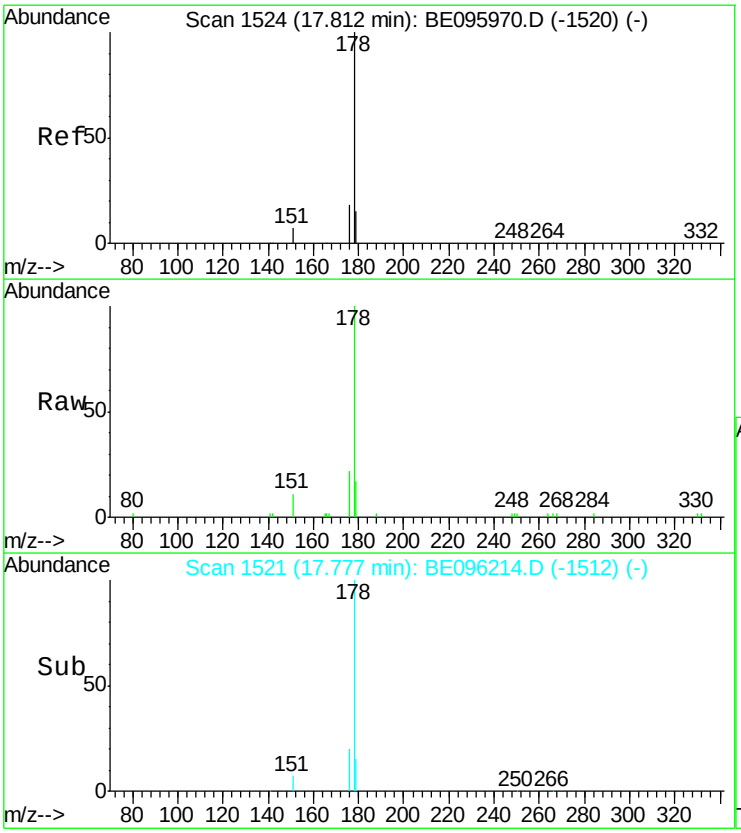
#23
Phenanthrene
Concen: 0.359 ng
RT: 17.70 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 3336

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.8	11.8	17.6

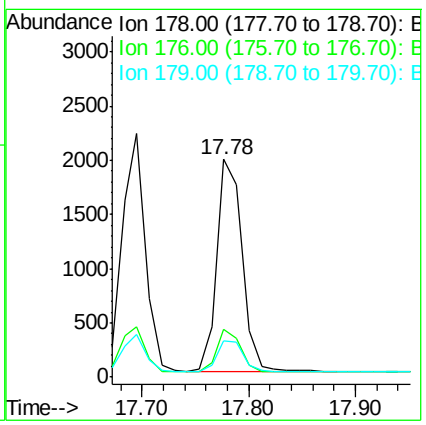


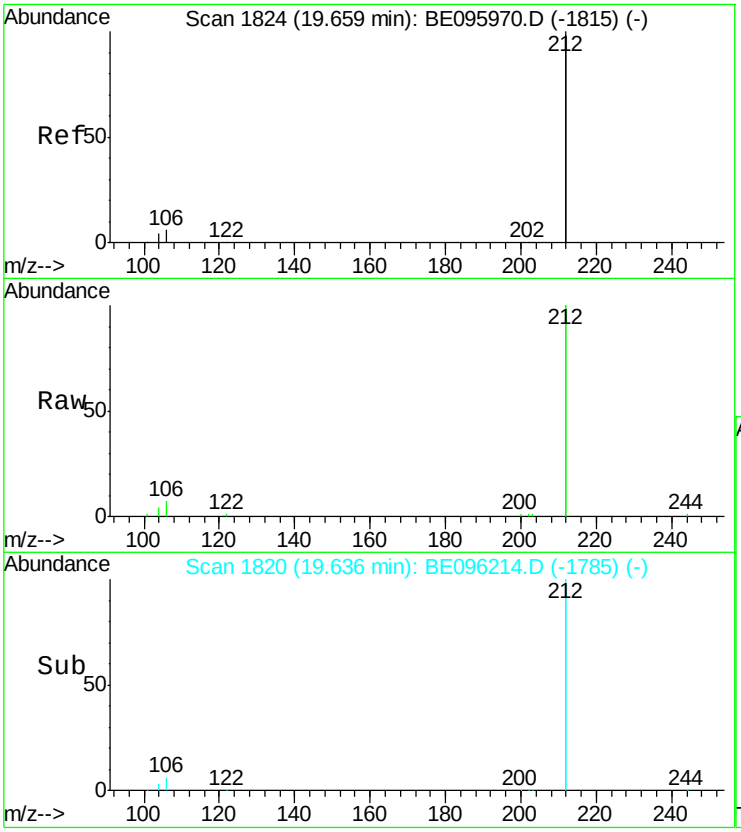


#24
Anthracene
Concen: 0.361 ng
RT: 17.78 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:178 Resp: 3211

Ion	Ratio	Lower	Upper
178	100		
176	19.2	12.8	19.2
179	15.2	13.0	19.6



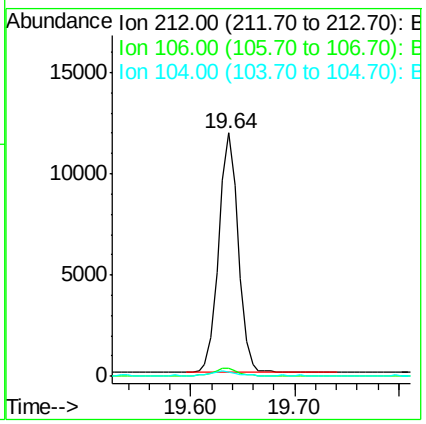


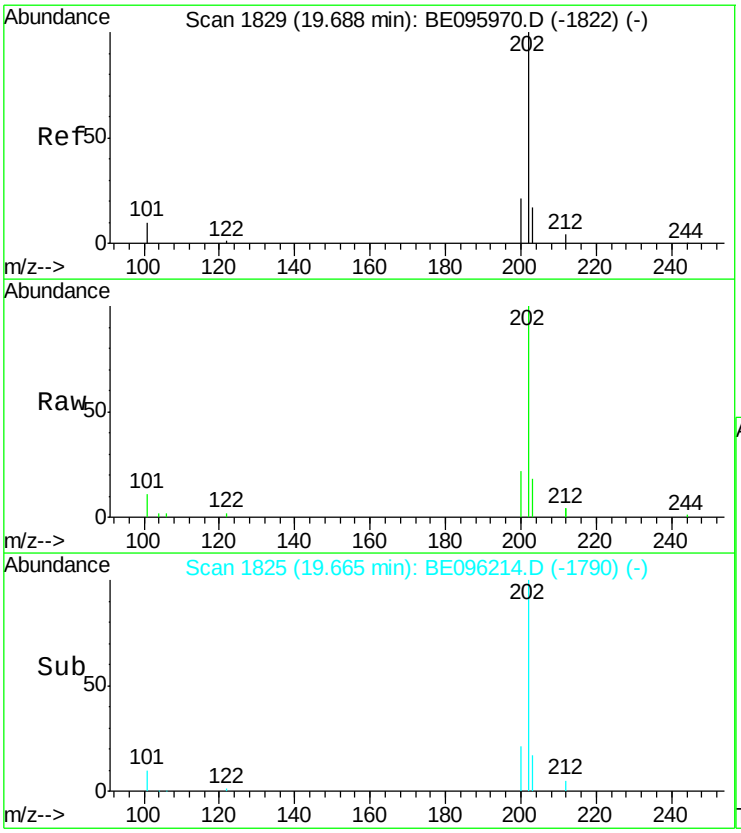
#25
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.64 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 15481

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.8	4.2
104	1.8	1.6	2.4

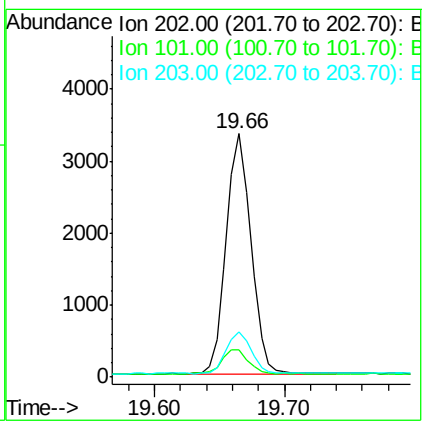


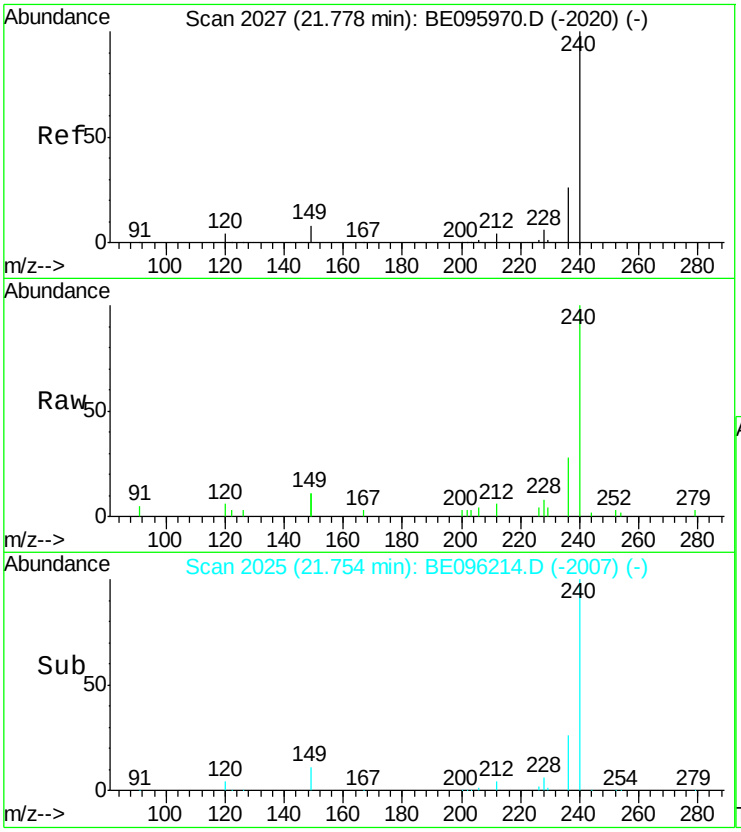


#26
Fluoranthene
Concen: 0.359 ng
RT: 19.66 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:202 Resp: 4385

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
203	17.7	13.7	20.5



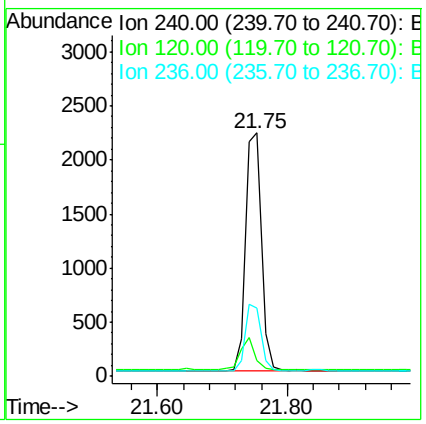


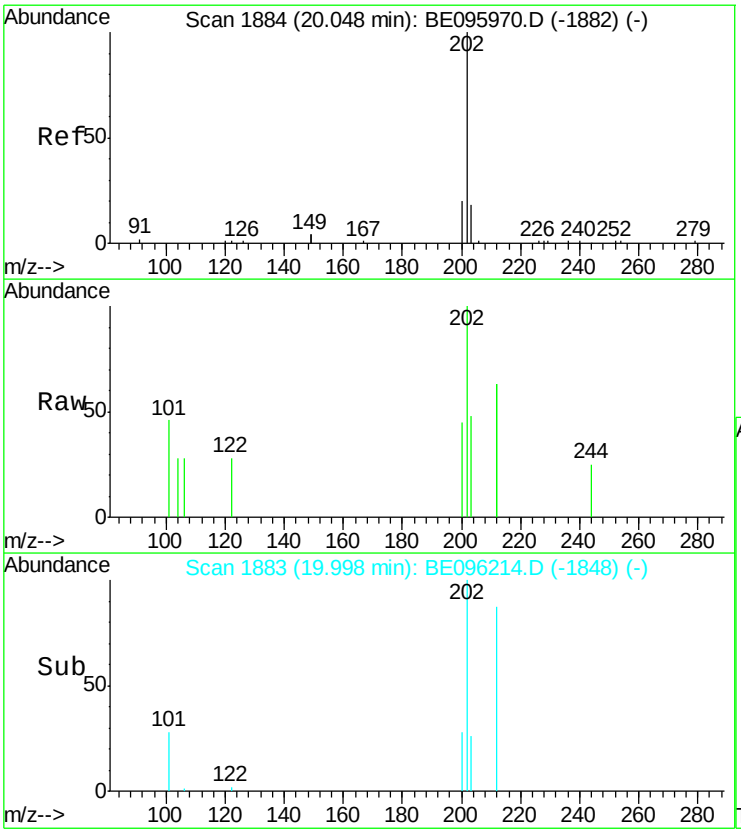
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.75 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 3690

Ion	Ratio	Lower	Upper
240	100		
120	6.5	5.5	8.3
236	27.9	20.7	31.1

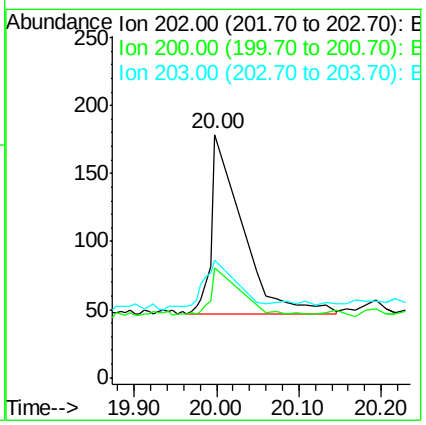


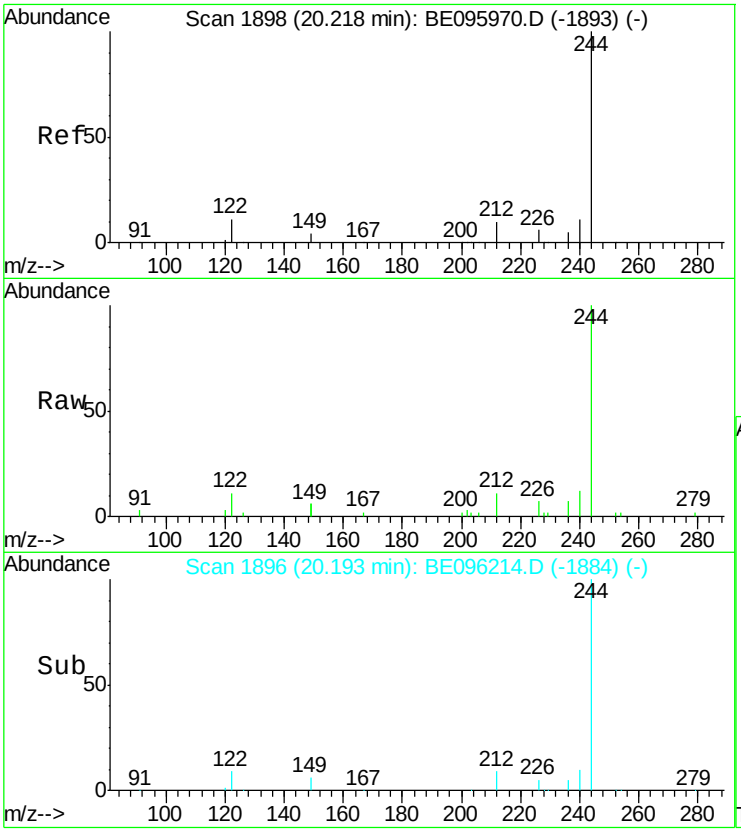


#28
Pyrene
Concen: 0.029 ng
RT: 20.00 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:202 Resp: 213

Ion	Ratio	Lower	Upper
202	100		
200	22.5	16.6	25.0
203	36.6	13.8	20.8#



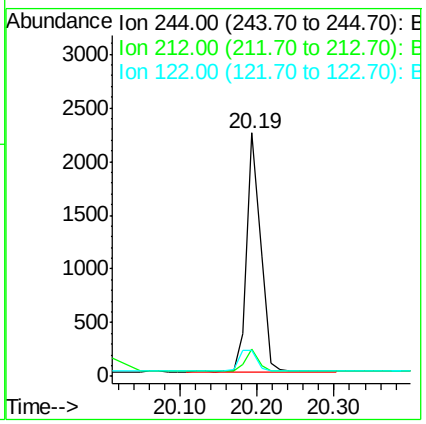


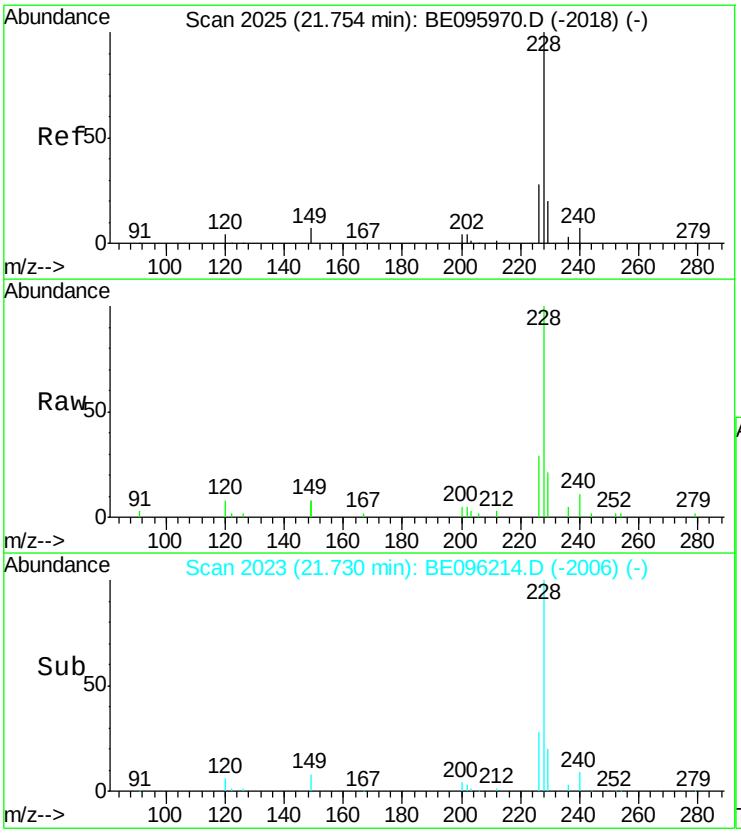
#29
Terphenyl-d14
Concen: 0.335 ng
RT: 20.19 min Scan# 1896
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 2735

Ion	Ratio	Lower	Upper
244	100		
212	11.3	25.4	38.0#
122	10.9	8.1	12.1

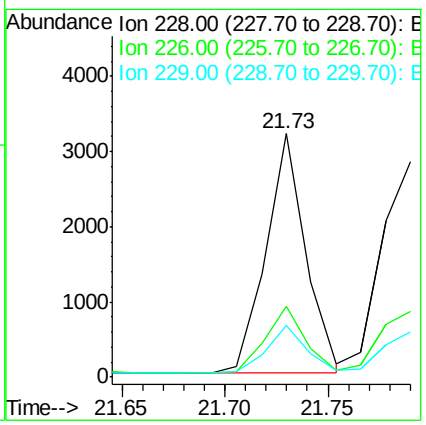


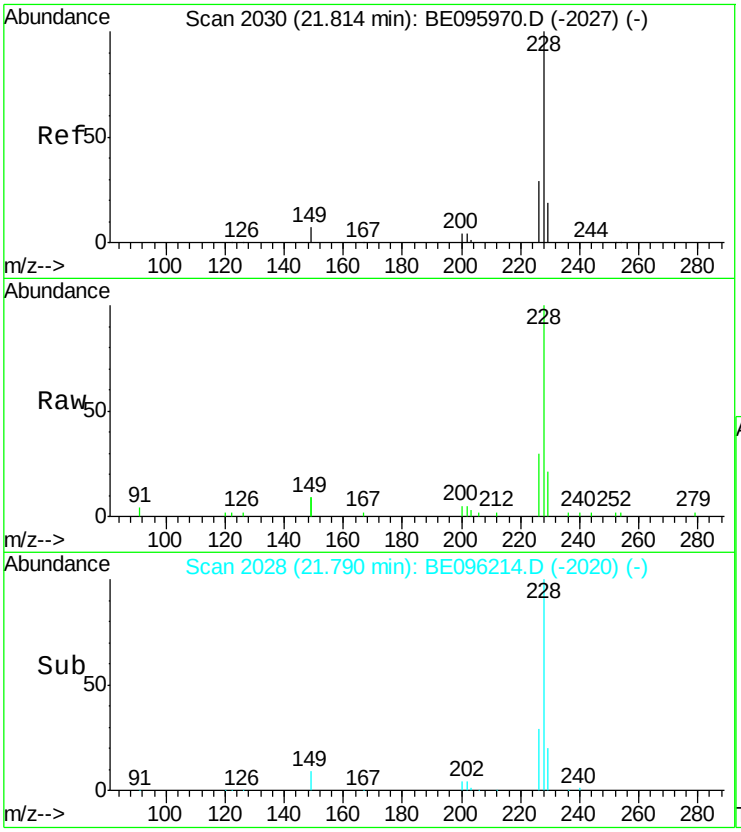


#30
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:228 Resp: 4321

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	21.0	16.0	24.0



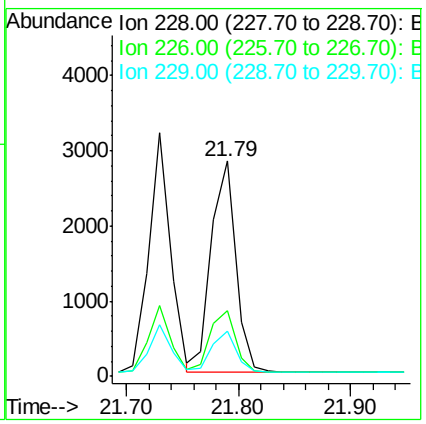


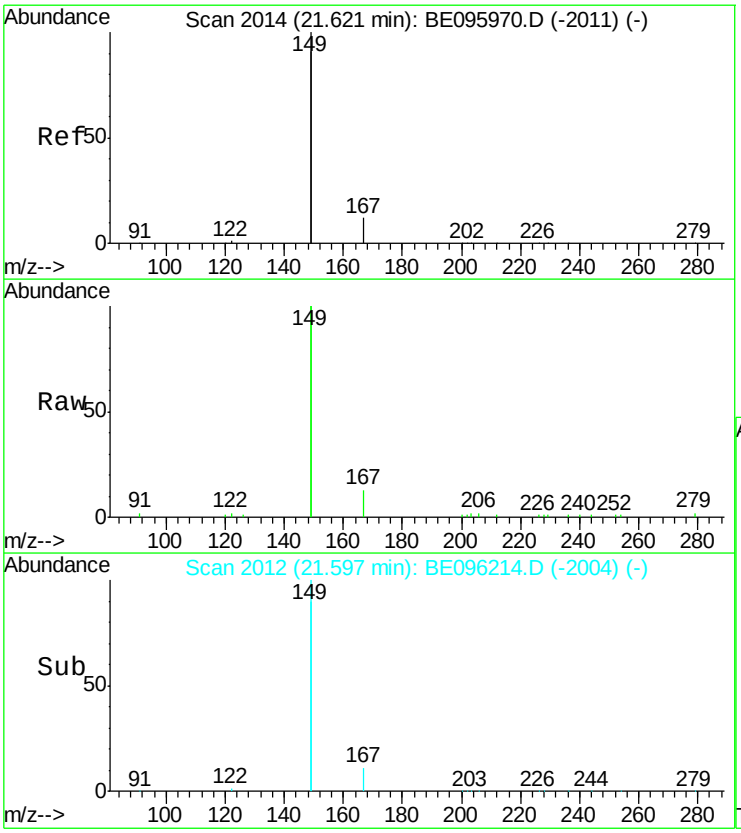
#31
Chrysene
Concen: 0.373 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 4266

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	21.3	16.0	24.0

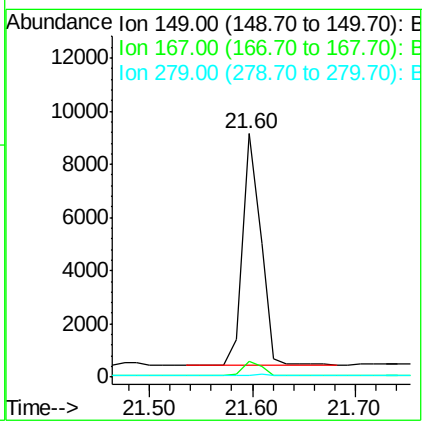


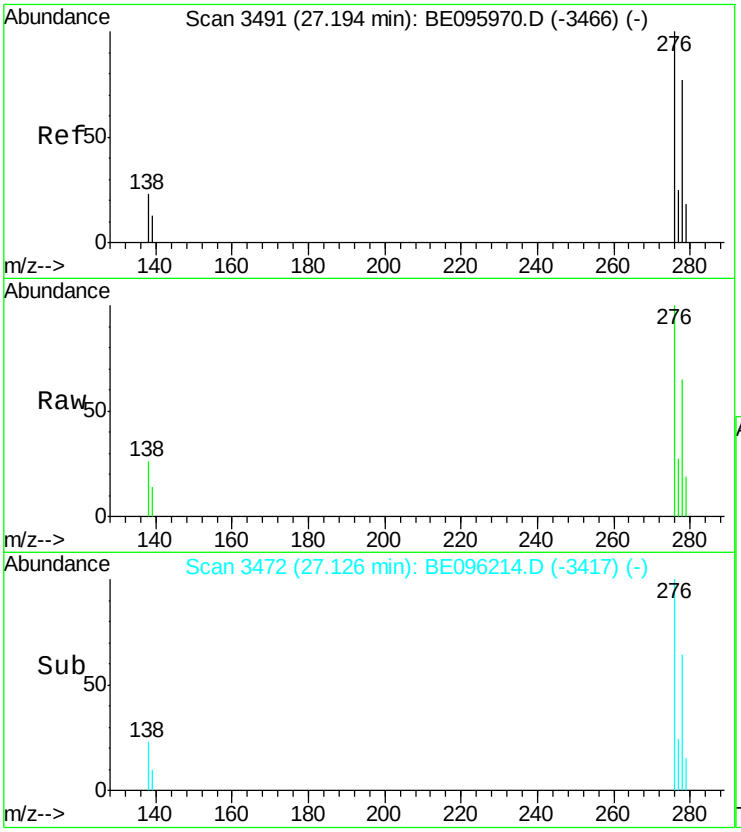


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.346 ng
RT: 21.60 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:149 Resp: 10575

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	0.8	0.7	1.1



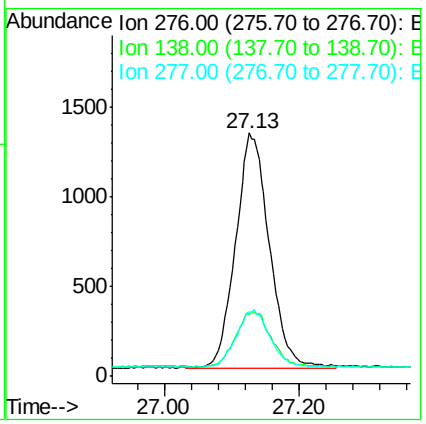


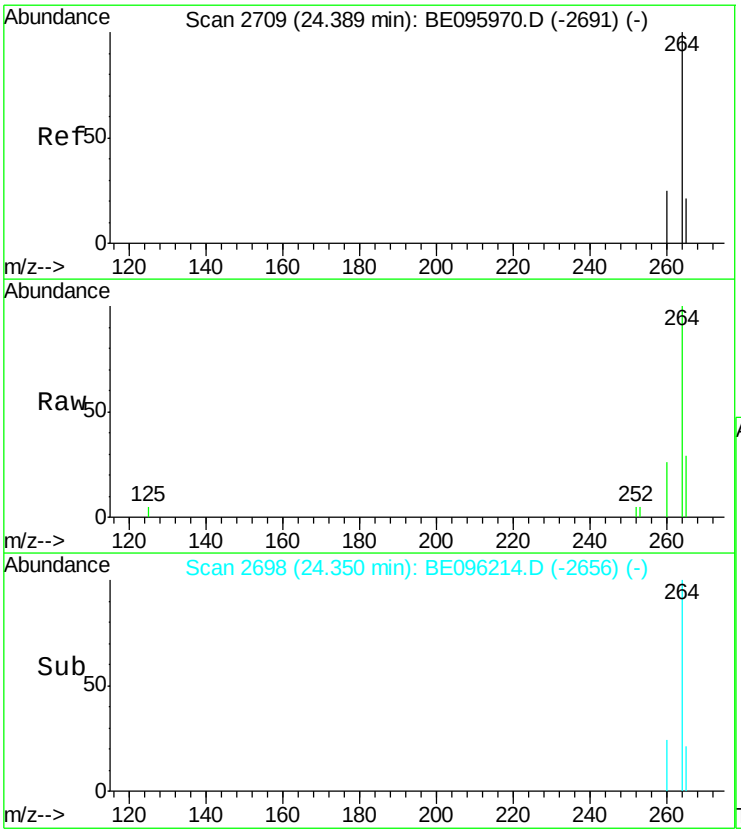
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.407 ng
RT: 27.13 min Scan# 3472
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 4516

Ion	Ratio	Lower	Upper
276	100		
138	24.1	22.5	33.7
277	24.8	19.9	29.9

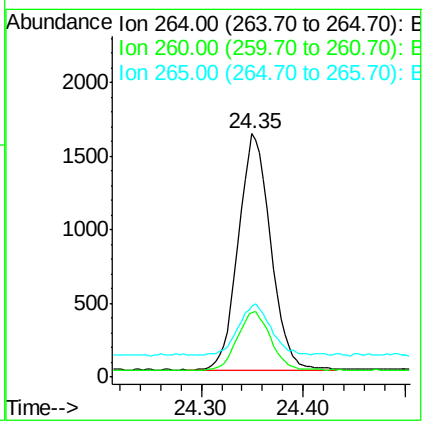


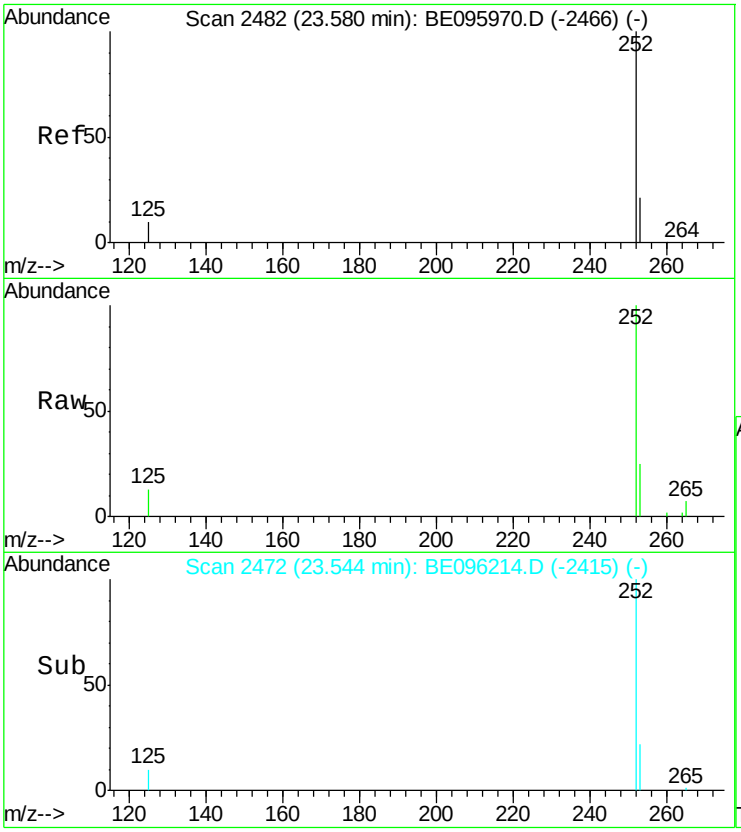


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2698
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:264 Resp: 3545

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	29.2	22.8	34.2



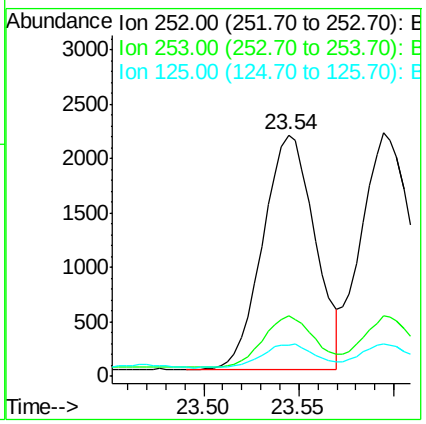


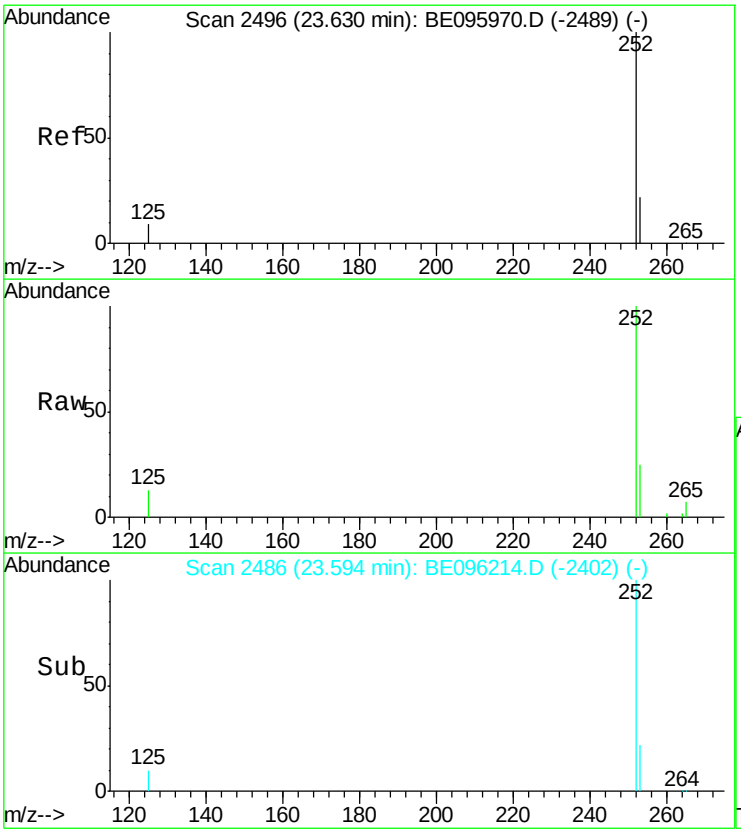
#35
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 23.54 min Scan# 2472
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 4088

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.0	30.0
125	13.1	16.0	24.0#

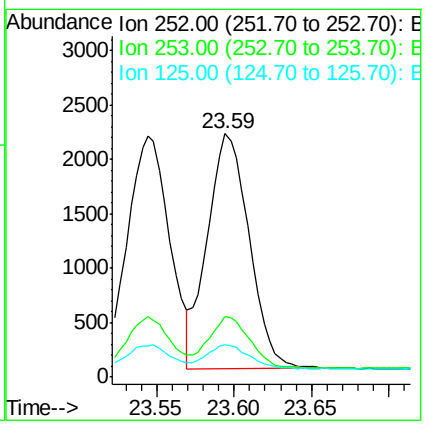


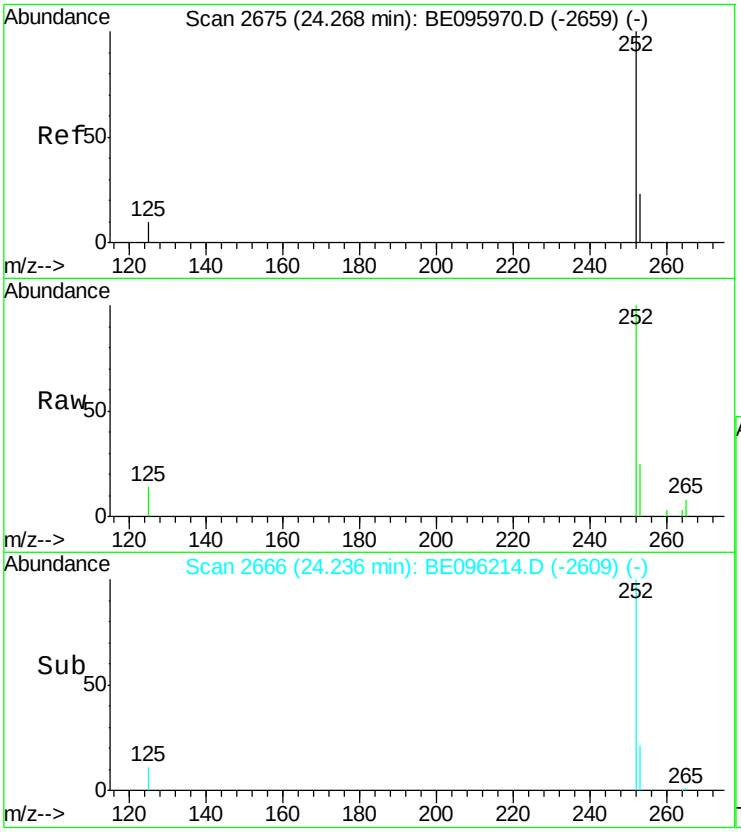


#36
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 23.59 min Scan# 2486
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:252 Resp: 4077

Ion	Ratio	Lower	Upper
252	100		
253	24.7	16.0	24.0#
125	13.4	8.0	12.0#



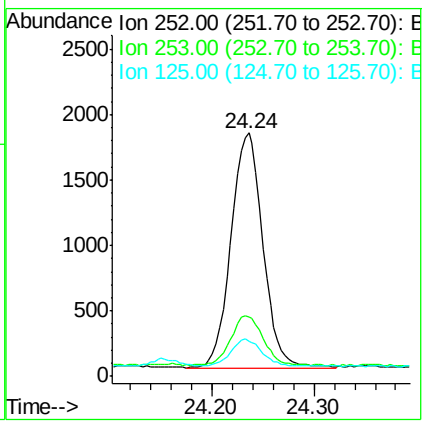


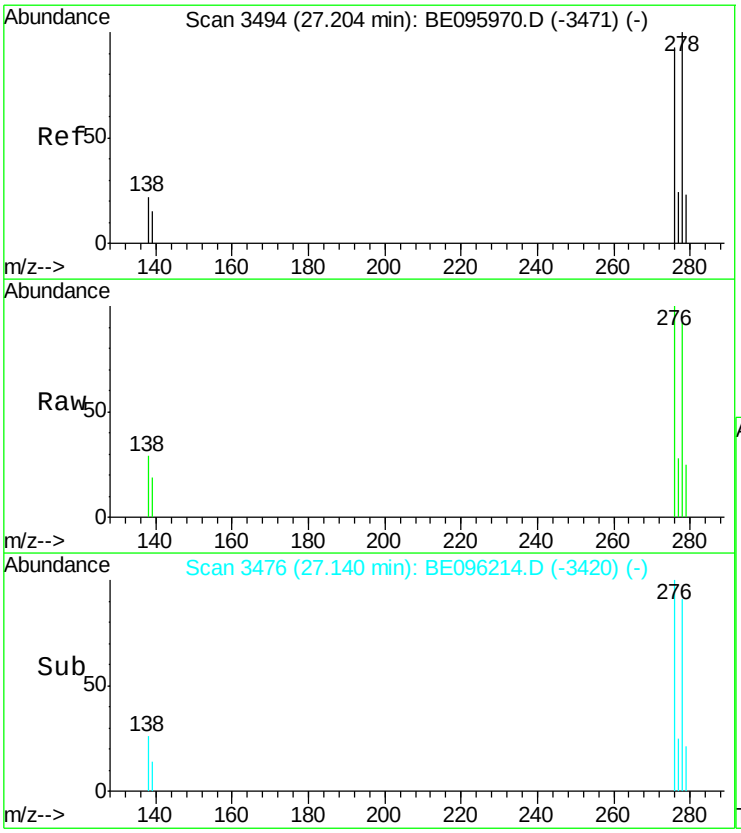
#37
Benzo(a)pyrene
Concen: 0.382 ng
RT: 24.24 min Scan# 2666
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3902

Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.0	24.0#
125	14.5	12.0	18.0

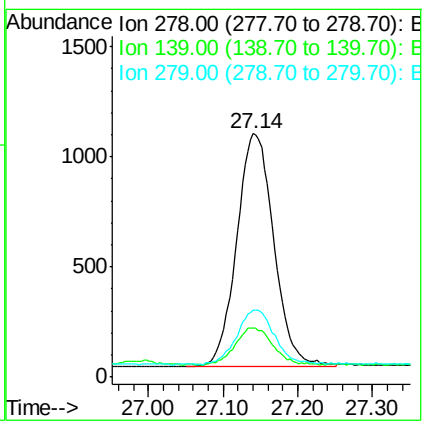


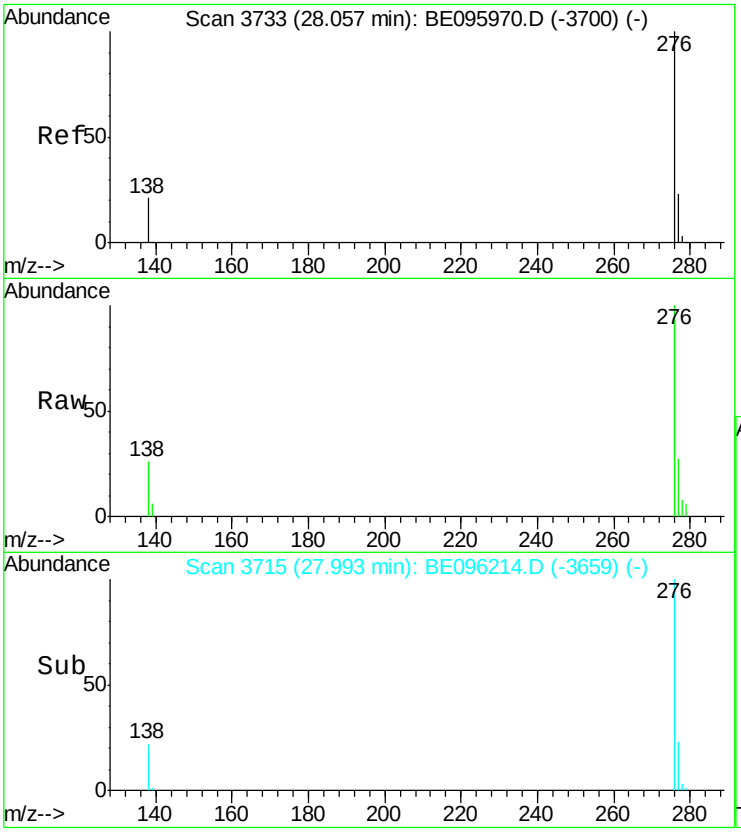


#38
Dibenzo(a,h)anthracene
Concen: 0.405 ng
RT: 27.14 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:278 Resp: 3650

Ion	Ratio	Lower	Upper
278	100		
139	20.3	16.0	24.0
279	27.7	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.395 ng
RT: 27.99 min Scan# 3715
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 3761

Ion	Ratio	Lower	Upper
276	100		
277	27.1	16.0	24.0#
138	25.7	20.0	30.0