Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
Data File : BE096223.D
Acq On : 30 Apr 2018 15:57
Operator : SJ/JU
Sample : J2463-11MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LF001MW001-180418MS

Quant Time: May 01 02:28:04 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	850	0.40	ng		0.00
7) Naphthalene-d8	11.20	136	2814	0.40	ng		0.01
13) Acenaphthene-d10	14.93	164	8919	0.40	ng		-0.01
19) Phenanthrene-d10	17.65	188	3452	0.40	ng		0.00
27) Chrysene-d12	21.75	240	3920	0.40	ng		0.01
34) Perylene-d12	24.35	264	3866	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.88	112	656	0.25	ng		0.01
5) Phenol-d6	7.53	99	859	0.24	ng		0.02
8) Nitrobenzene-d5	9.54	82	2819	0.85	ng		0.00
11) 2-Methylnaphthalene-d10	12.74	152	1817	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.41	330	336	0.08	ng		0.00
15) 2-Fluorobiphenyl	13.59	172	2573	0.07	ng		0.01
25) Fluoranthene-d10	19.64	212	17922	0.38	ng		0.00
29) Terphenyl-d14	20.19	244	2660	0.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.61	88	497	0.379	ng	#	1
3) n-Nitrosodimethylamine	3.99	42	729247	453.334	ng	#	1
6) bis(2-Chloroethyl)ether	7.76	93	1194	0.374	ng	#	1
9) Naphthalene	11.26	128	3567426	120.253	ng		99
10) Hexachlorobutadiene	11.50	225	246	0.187	ng		97
12) 2-Methylnaphthalene	12.81	142	87968	17.915	ng		95
16) Acenaphthylene	14.67	152	4031	0.085	ng	#	90
17) Acenaphthene	15.00	154	2362	0.083	ng	#	92
18) Fluorene	15.97	166	4219	0.119	ng	#	79
20) 4-Bromophenyl-phenylether	16.85	248	763	0.372	ng	#	38
21) Hexachlorobenzene	16.97	284	737	0.361	ng	#	85
22) Pentachlorophenol	17.31	266	943	1.136	ng	#	73
23) Phenanthrene	17.70	178	4769	0.492	ng		97
24) Anthracene	17.78	178	4097	0.442	ng	#	93
26) Fluoranthene	19.66	202	5542	0.435	ng	#	31
28) Pyrene	19.97	202	662	0.086	ng	#	79
30) Benzo(a)anthracene	21.73	228	4982	0.396	ng	#	92
31) Chrysene	21.79	228	4508	0.371	ng	#	88
32) Bis(2-ethylhexyl)phthalate	21.60	149	9953	0.307	ng	#	99
33) Indeno(1,2,3-cd)pyrene	27.14	276	2903	0.247	ng		97
35) Benzo(b)fluoranthene	23.55	252	3733	0.322	ng		92
36) Benzo(k)fluoranthene	23.60	252	3465	0.290	ng	#	74
37) Benzo(a)pyrene	24.24	252	3386	0.304	ng	#	75
38) Dibenzo(a,h)anthracene	27.15	278	2327	0.237	ng	#	81
39) Benzo(g,h,i)perylene	28.00	276	2474	0.238	ng	#	81

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

Quantitation Report (QT Reviewed)

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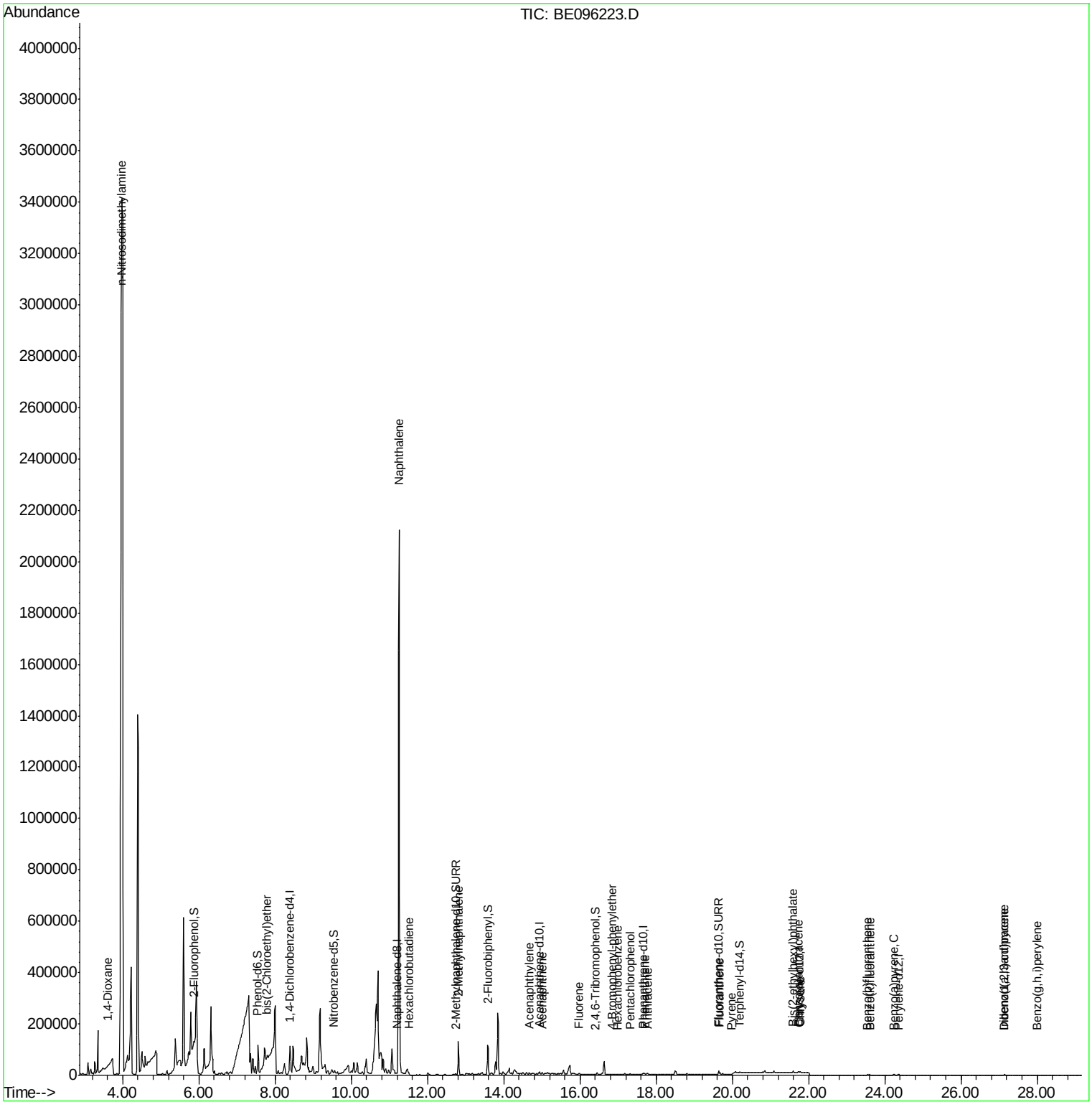
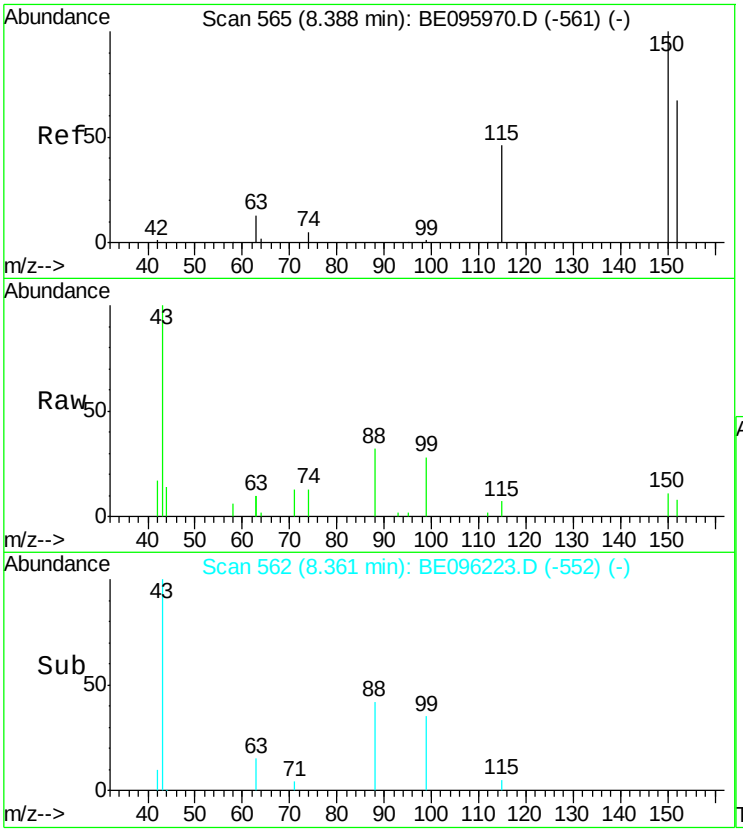
Data File : BE096223.D
Acq On : 30 Apr 2018 15:57
Operator : SJ/JU
Sample : J2463-11MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Quant Time: May 01 02:28:04 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



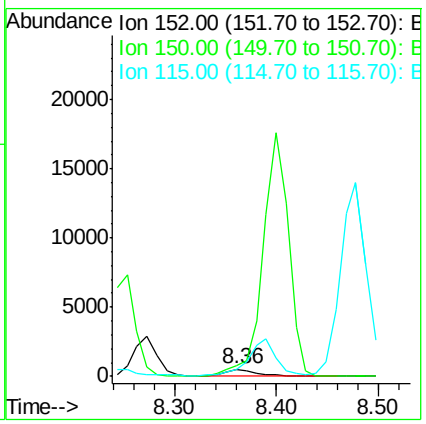


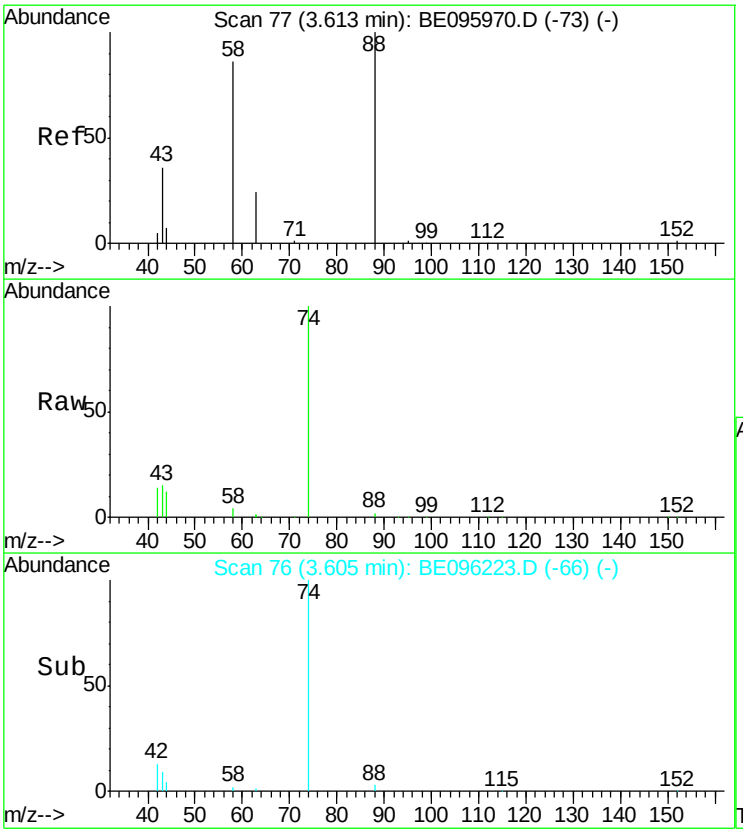
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:152 Resp: 850

Ion	Ratio	Lower	Upper
152	100		
150	145.1	117.2	175.8
115	95.3	57.0	85.6#

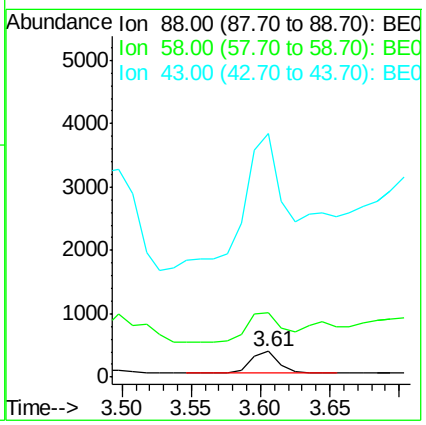


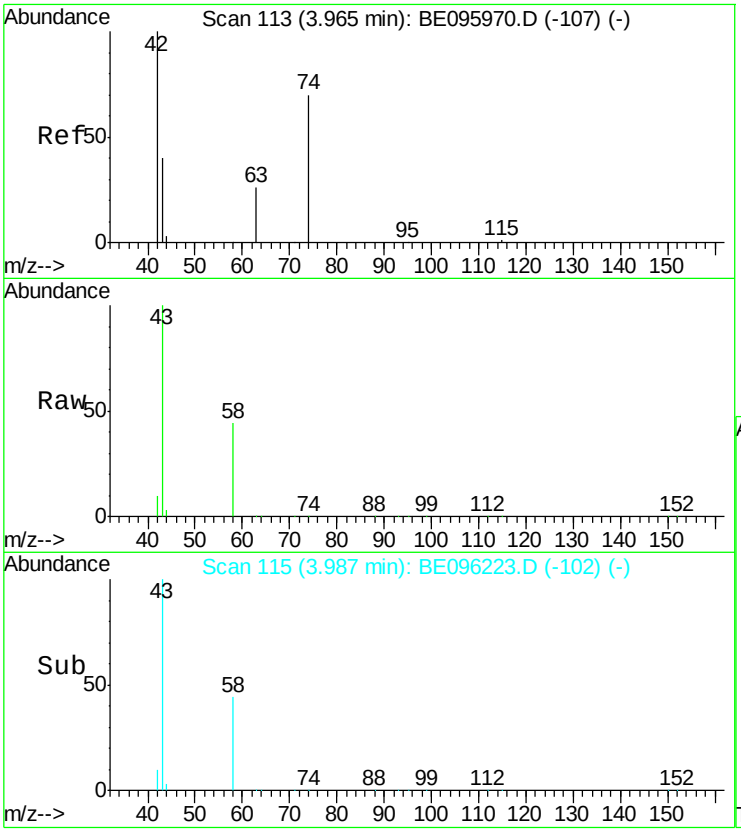


#2
1,4-Dioxane
Concen: 0.379 ng
RT: 3.61 min Scan# 76
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion: 88 Resp: 497

Ion	Ratio	Lower	Upper
88	100		
58	177.3	63.2	94.8#
43	936.6	41.2	61.8#



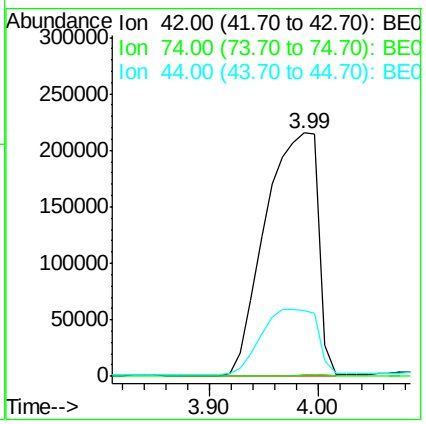


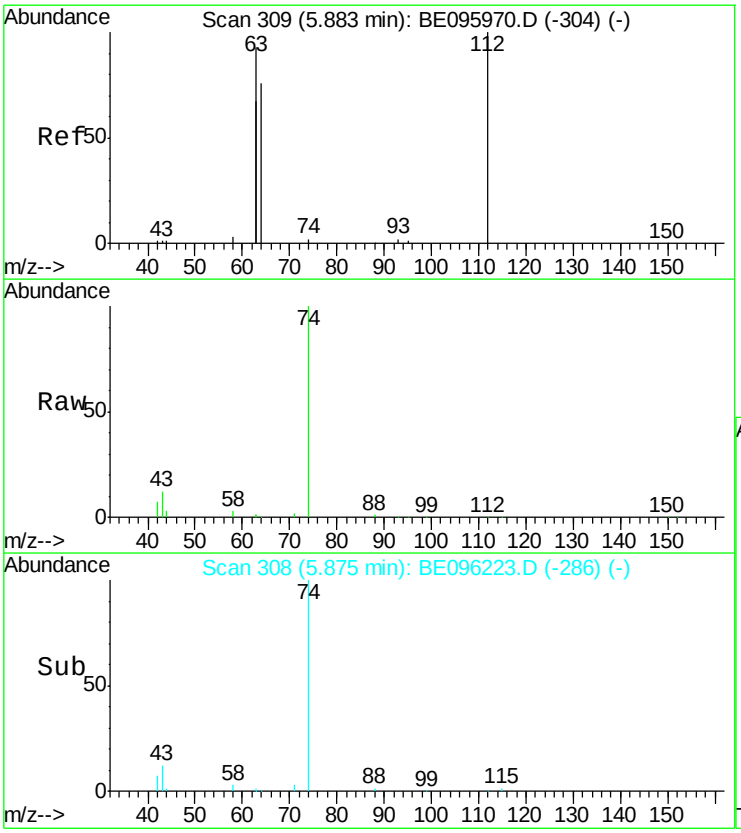
#3
n-Nitrosodimethylamine
Concen: 453.334 ng
RT: 3.99 min Scan# 115
Delta R.T. 0.03 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion: 42 Resp: 729247

Ion	Ratio	Lower	Upper
42	100		
74	0.0	96.0	144.0#
44	28.2	12.0	18.0#

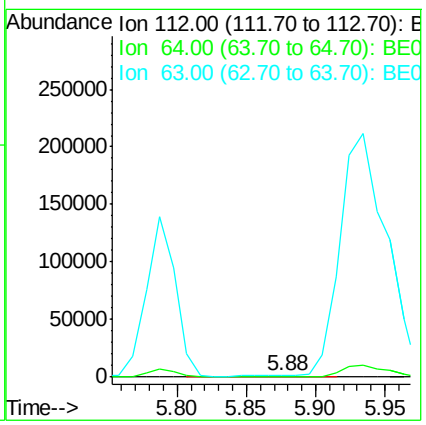


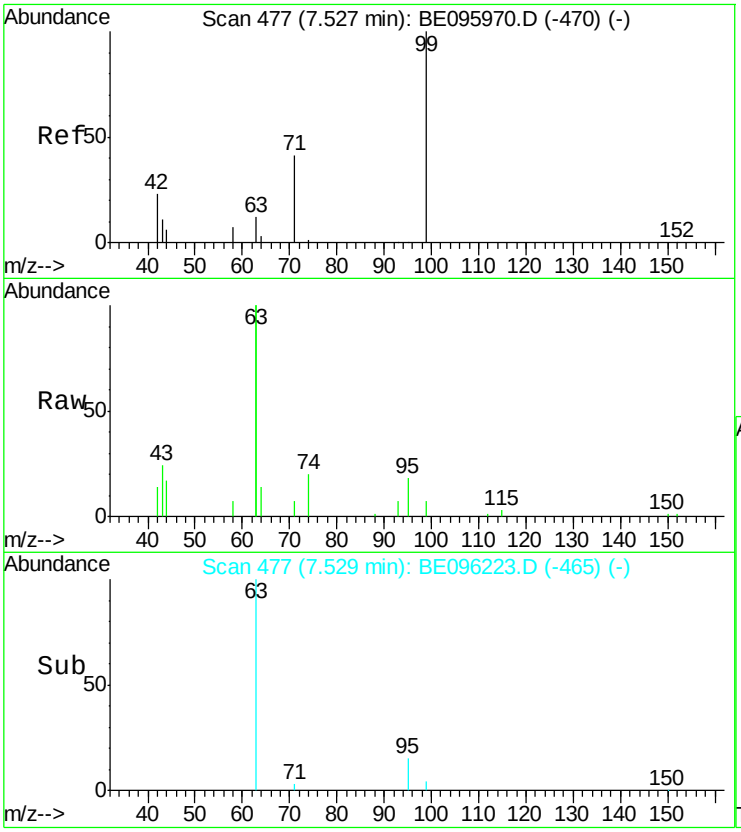


#4
2-Fluorophenol
Concen: 0.250 ng
RT: 5.88 min Scan# 308
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:112 Resp: 656

Ion	Ratio	Lower	Upper
112	100		
64	0.0	60.1	90.1#
63	0.0	116.8	175.2#



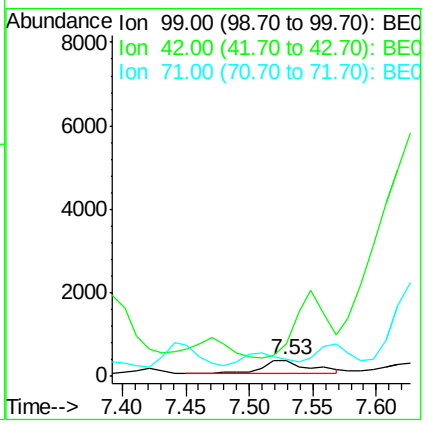


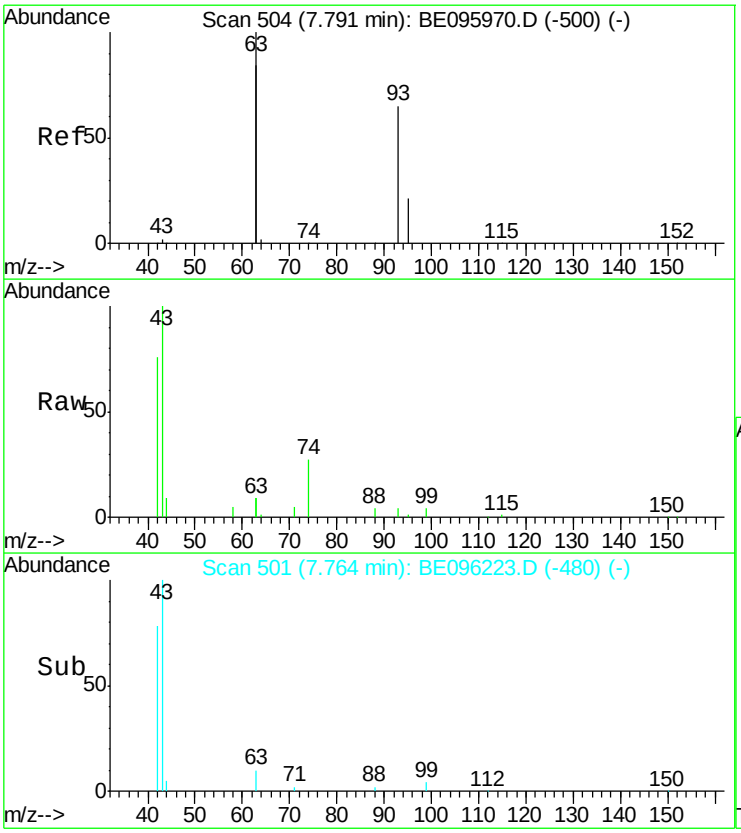
#5
Phenol-d6
Concen: 0.237 ng
RT: 7.53 min Scan# 477
Delta R.T. 0.02 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion: 99 Resp: 859

Ion	Ratio	Lower	Upper
99	100		
42	325.0	20.2	30.2#
71	0.0	28.4	42.6#

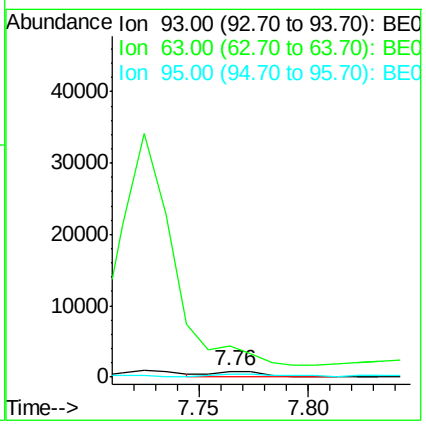


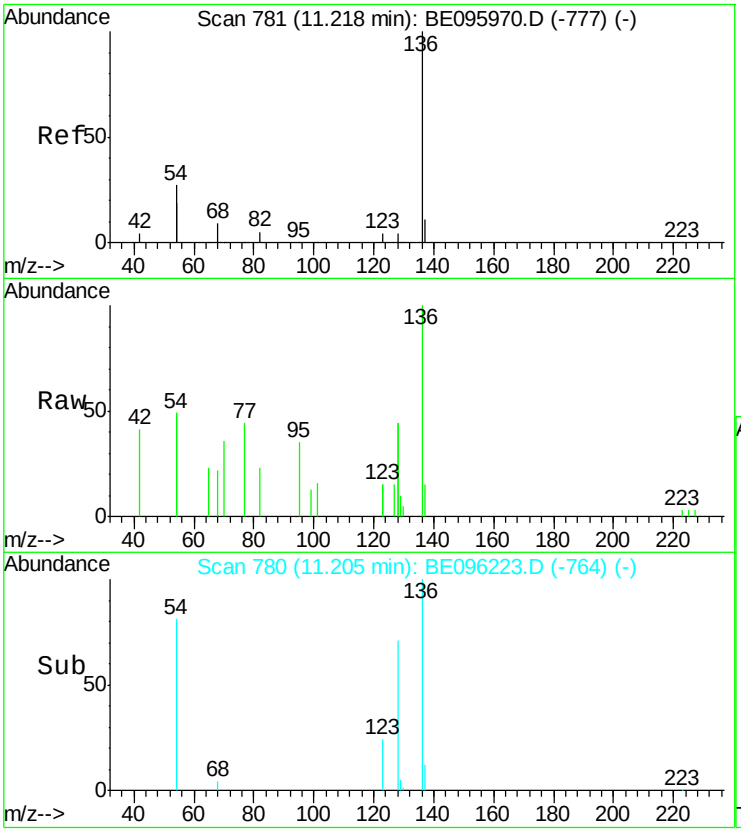


#6
bis(2-Chloroethyl)ether
Concen: 0.374 ng
RT: 7.76 min Scan# 501
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion: 93 Resp: 1194

Ion	Ratio	Lower	Upper
93	100		
63	0.0	275.3	412.9#
95	35.8	25.2	37.8



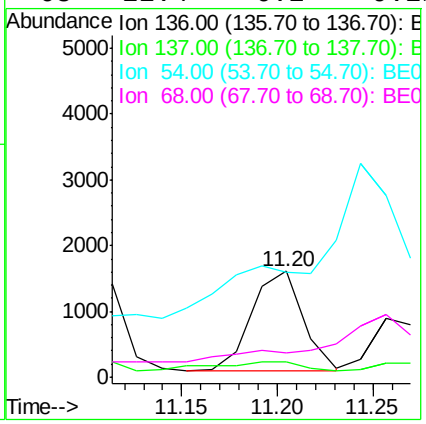


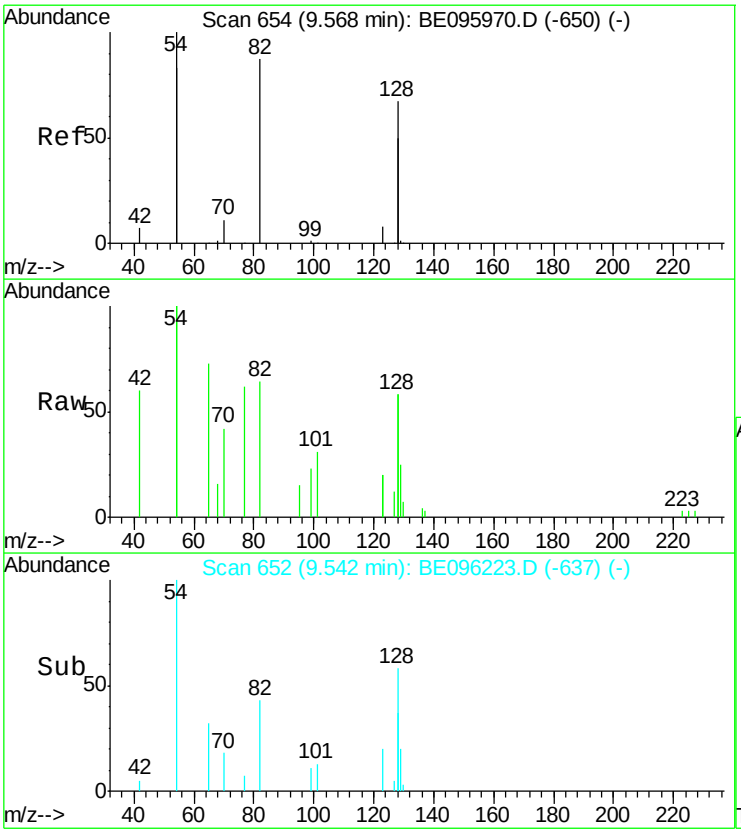
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.20 min Scan# 780
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:136 Resp: 2814

Ion	Ratio	Lower	Upper
136	100		
137	15.1	9.5	14.3#
54	98.9	29.1	43.7#
68	22.4	6.2	9.2#

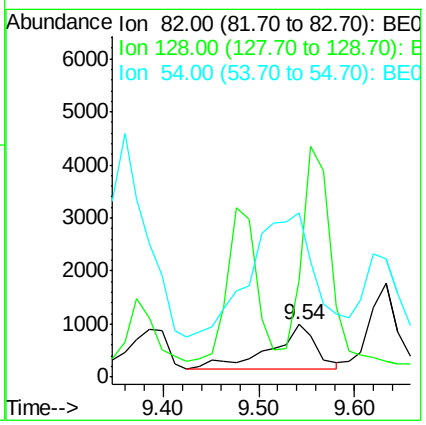


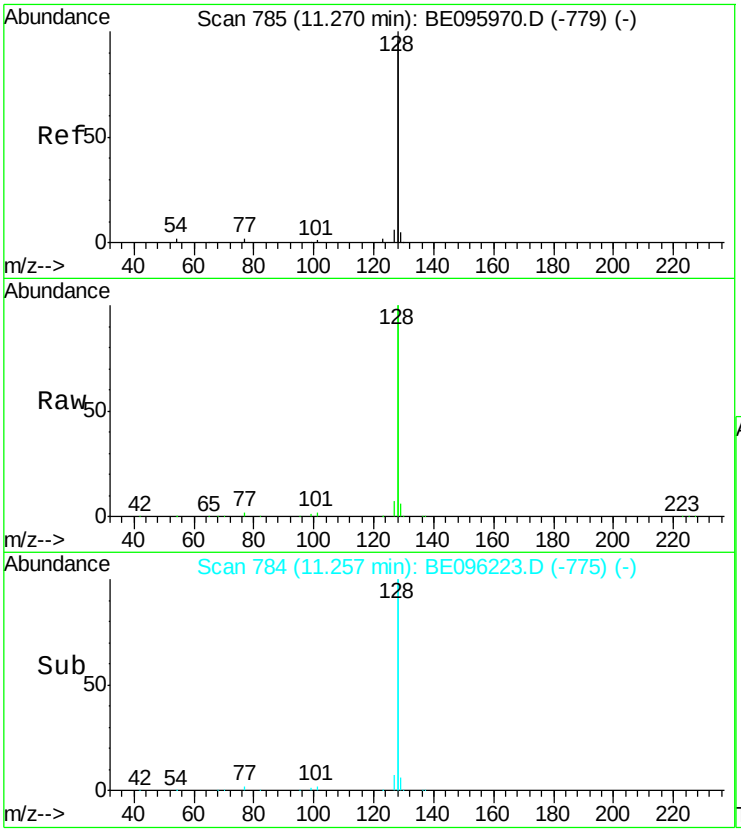


#8
Nitrobenzene-d5
Concen: 0.854 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion: 82 Resp: 2819

Ion	Ratio	Lower	Upper
82	100		
128	182.3	150.0	225.0
54	312.3	154.2	231.4#



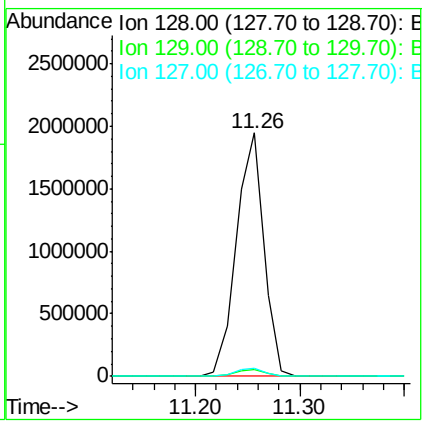


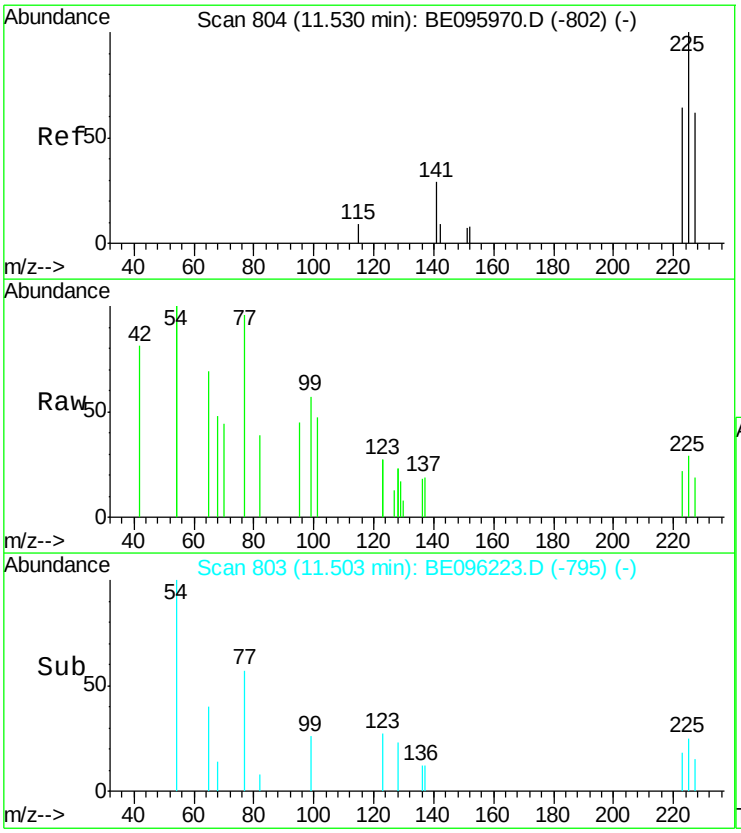
#9
Naphthalene
Concen: 120.253 ng
RT: 11.26 min Scan# 784
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:128 Resp: 3567426

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

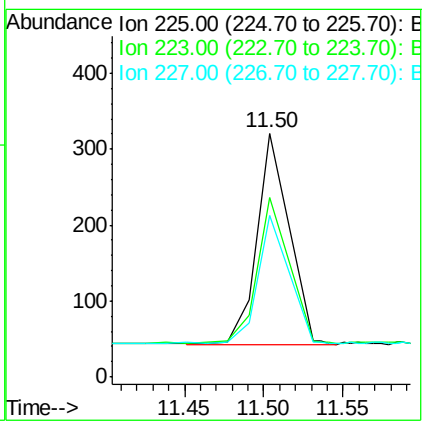


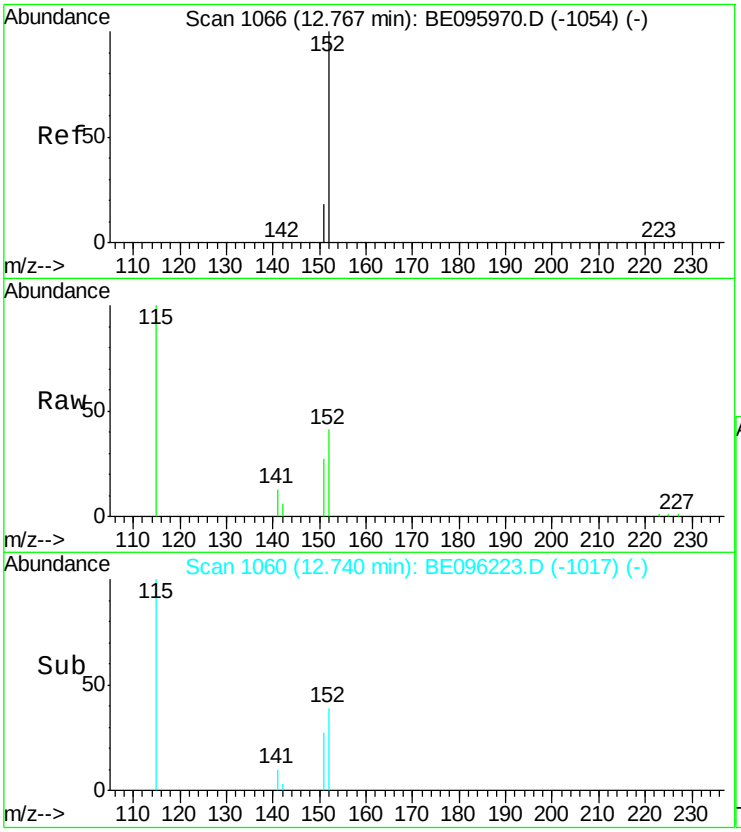


#10
Hexachlorobutadiene
Concen: 0.187 ng
RT: 11.50 min Scan# 803
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:225 Resp: 246

Ion	Ratio	Lower	Upper
225	100		
223	69.1	53.0	79.6
227	62.6	51.4	77.2



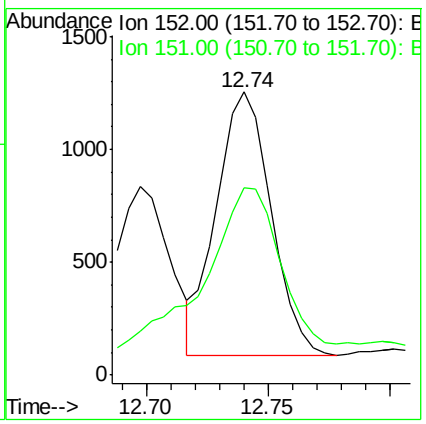


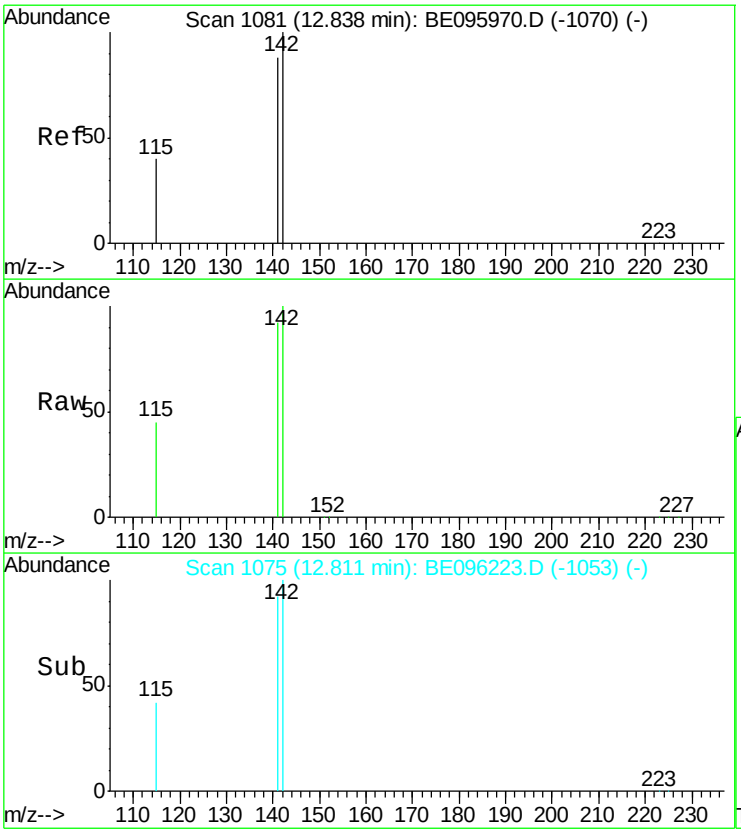
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.74 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:152 Resp: 1817

Ion	Ratio	Lower	Upper
152	100		
151	94.3	15.4	23.0#

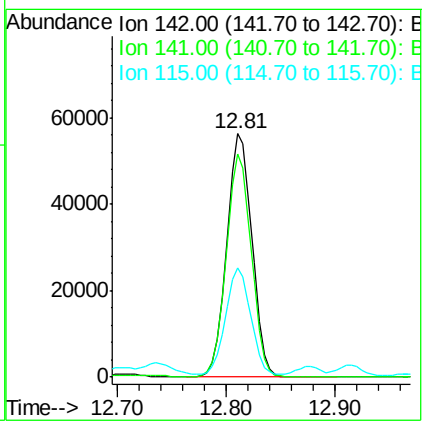


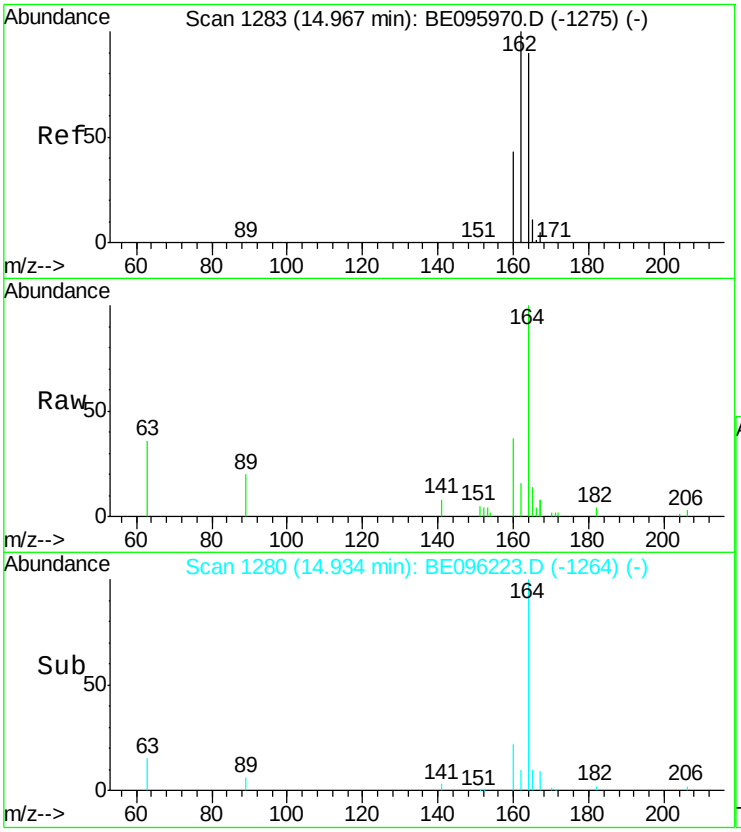


#12
2-Methylnaphthalene
Concen: 17.915 ng
RT: 12.81 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:142 Resp: 87968

Ion	Ratio	Lower	Upper
142	100		
141	91.6	70.4	105.6
115	45.1	31.7	47.5



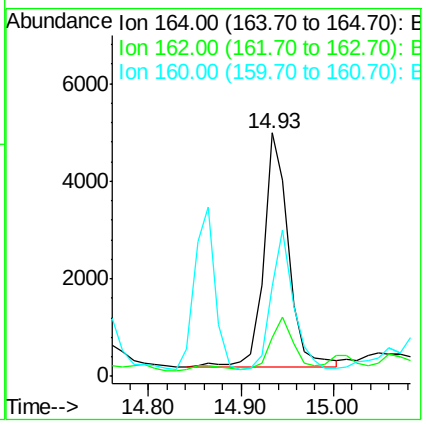


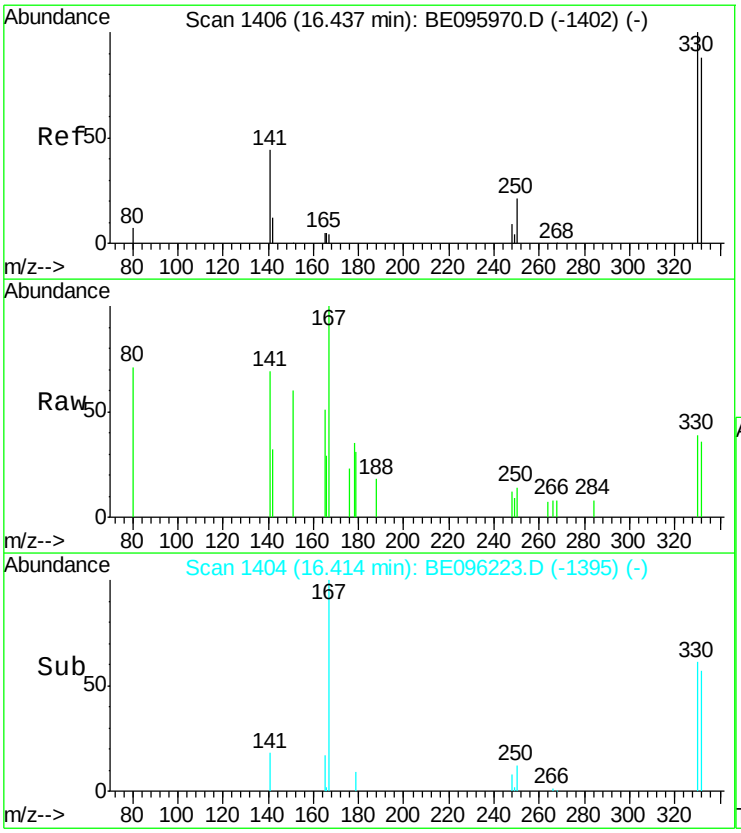
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.93 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:164 Resp: 8919

Ion	Ratio	Lower	Upper
164	100		
162	15.9	83.1	124.7#
160	37.2	37.1	55.7

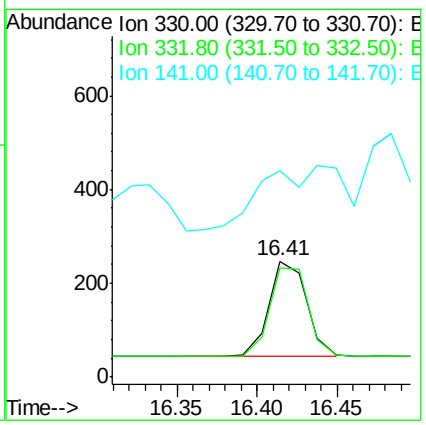


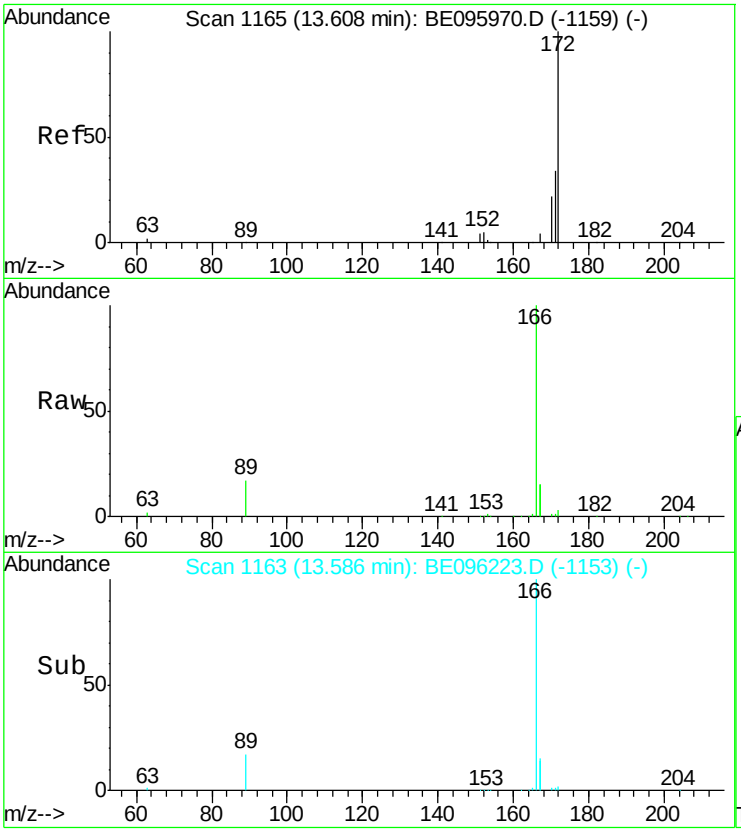


#14
2,4,6-Tribromophenol
Concen: 0.078 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:330 Resp: 336

Ion	Ratio	Lower	Upper
330	100		
332	96.1	152.7	229.1#
141	0.0	33.7	50.5#



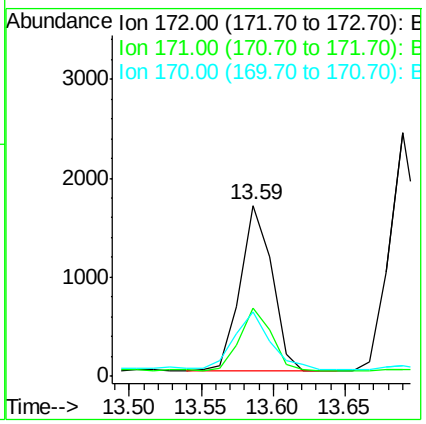


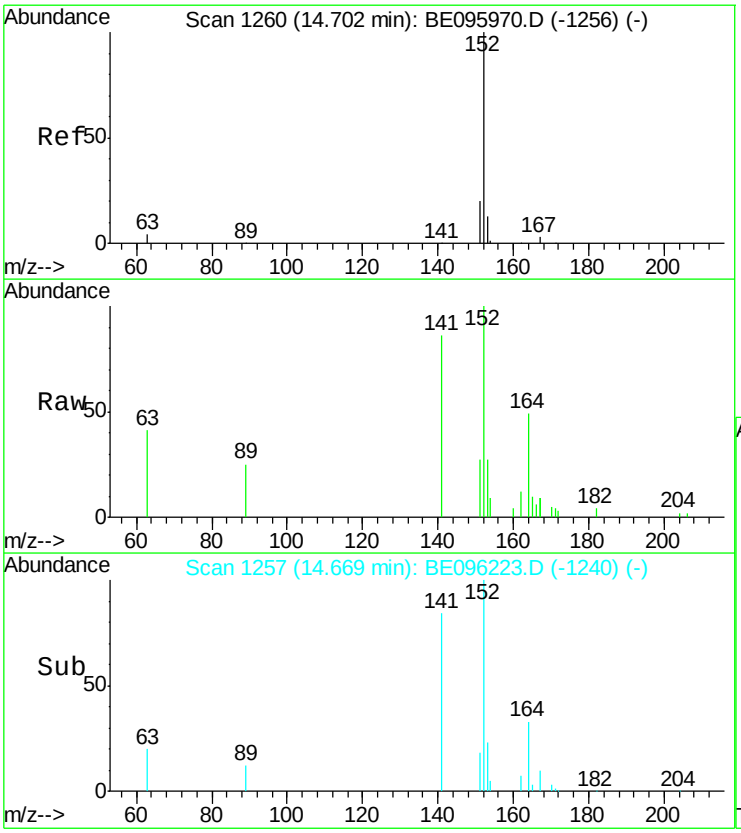
#15
2-Fluorobiphenyl
Concen: 0.067 ng
RT: 13.59 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:172 Resp: 2573

Ion	Ratio	Lower	Upper
172	100		
171	39.9	29.9	44.9
170	37.7	21.8	32.8#

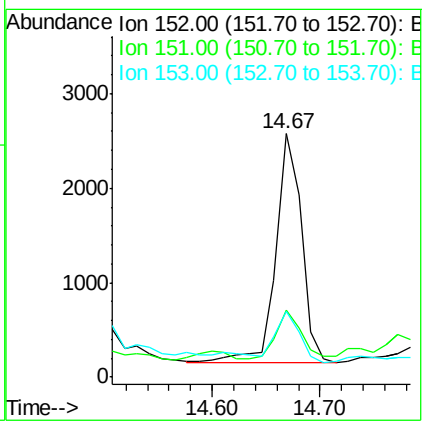


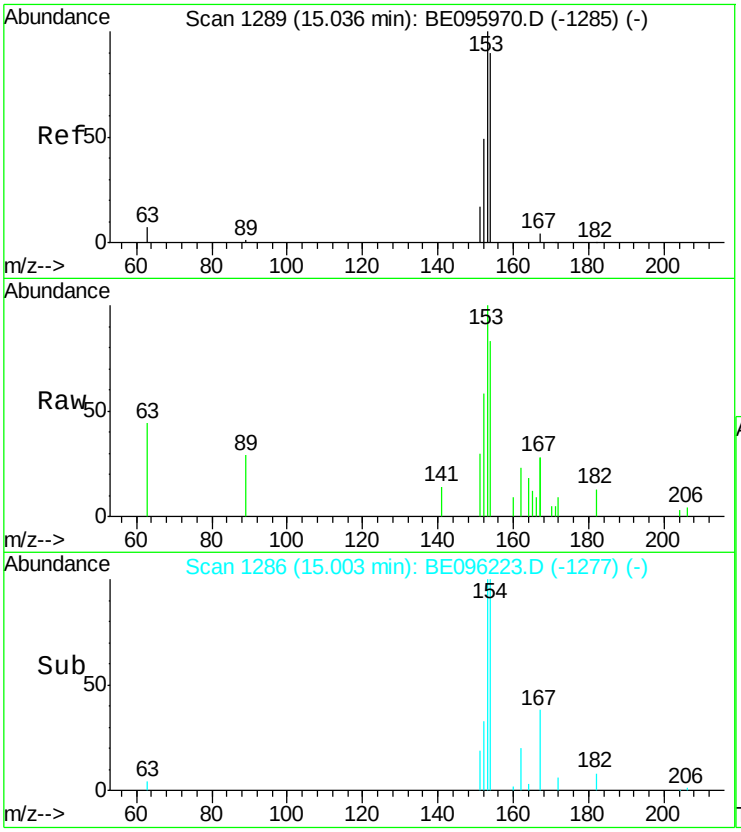


#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:152 Resp: 4031

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.7	23.5
153	21.3	10.5	15.7#



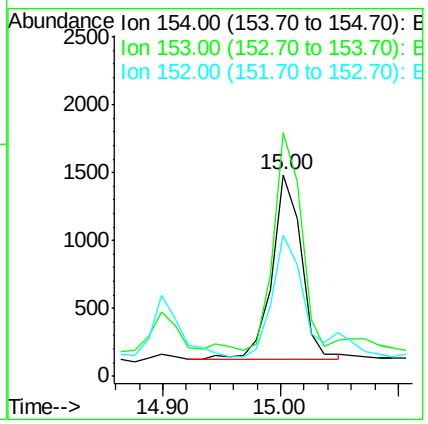


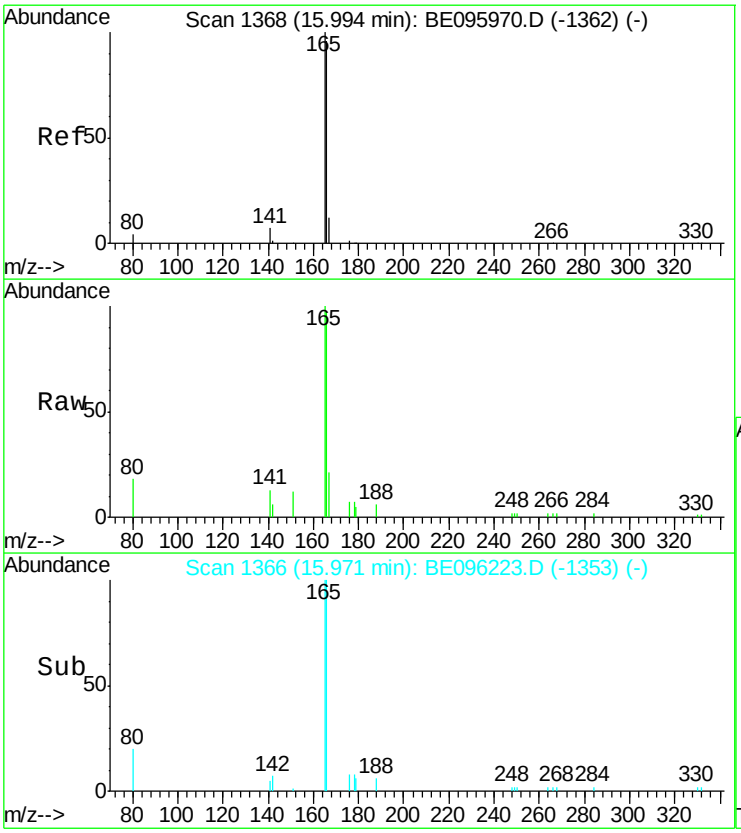
#17
Acenaphthene
Concen: 0.083 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:154 Resp: 2362

Ion	Ratio	Lower	Upper
154	100		
153	108.9	89.2	133.8
152	66.6	42.0	63.0#

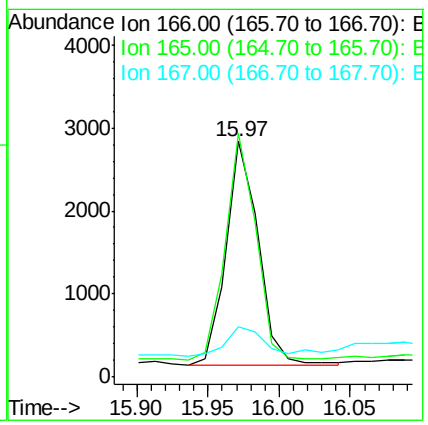


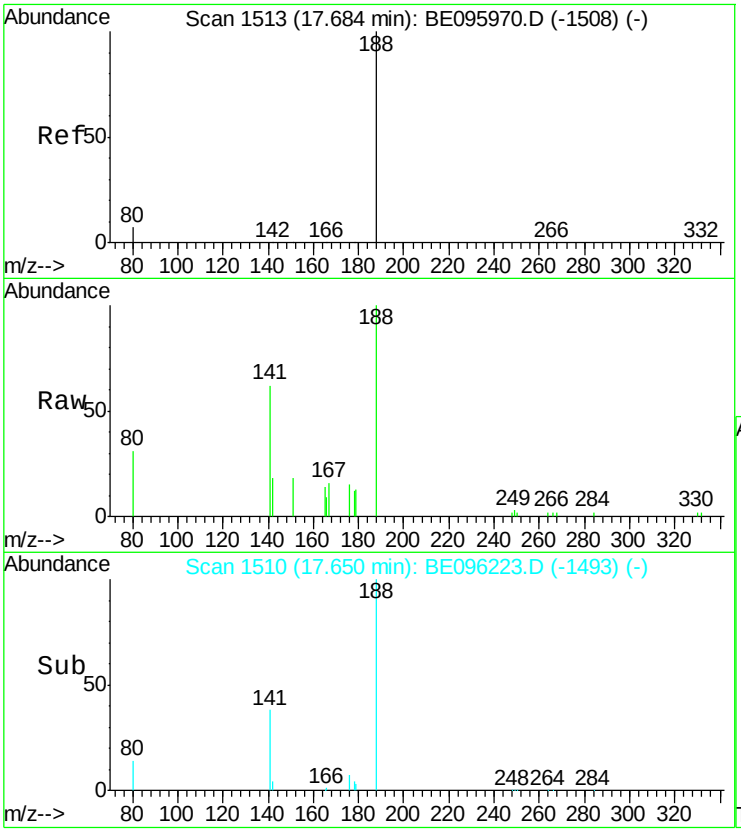


#18
Fluorene
Concen: 0.119 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:166 Resp: 4219

Ion	Ratio	Lower	Upper
166	100		
165	93.5	77.8	116.6
167	15.2	42.4	63.6#



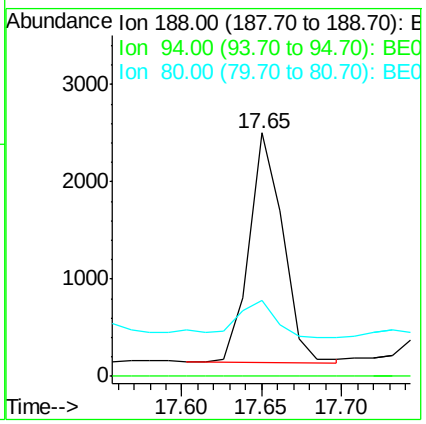


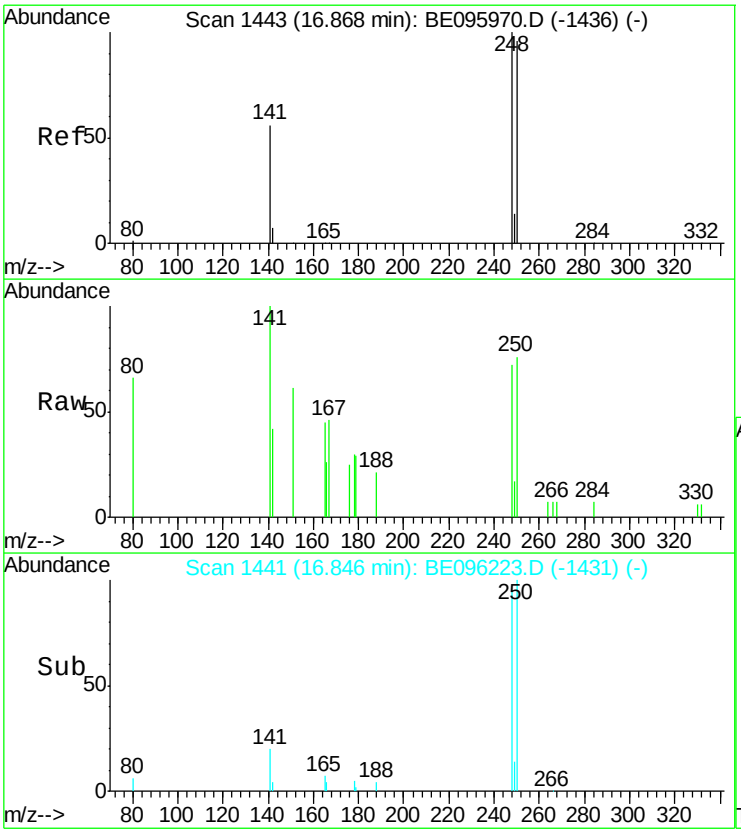
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.65 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:188 Resp: 3452

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	31.0	3.6	5.4#

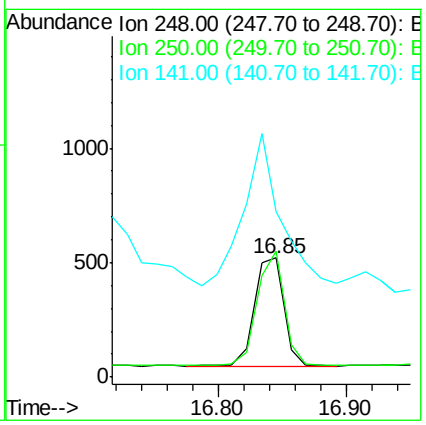


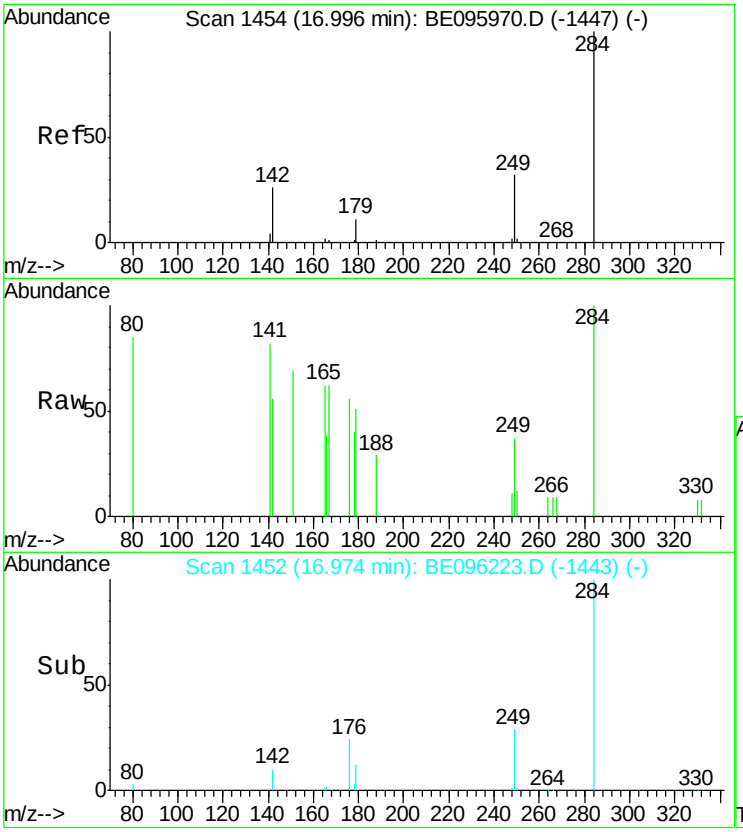


#20
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.85 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:248 Resp: 763

Ion	Ratio	Lower	Upper
248	100		
250	105.2	62.7	94.1#
141	138.8	48.2	72.2#



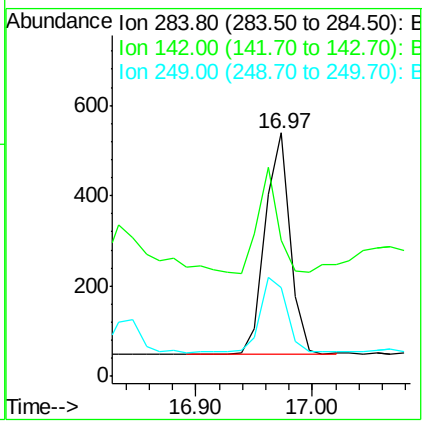


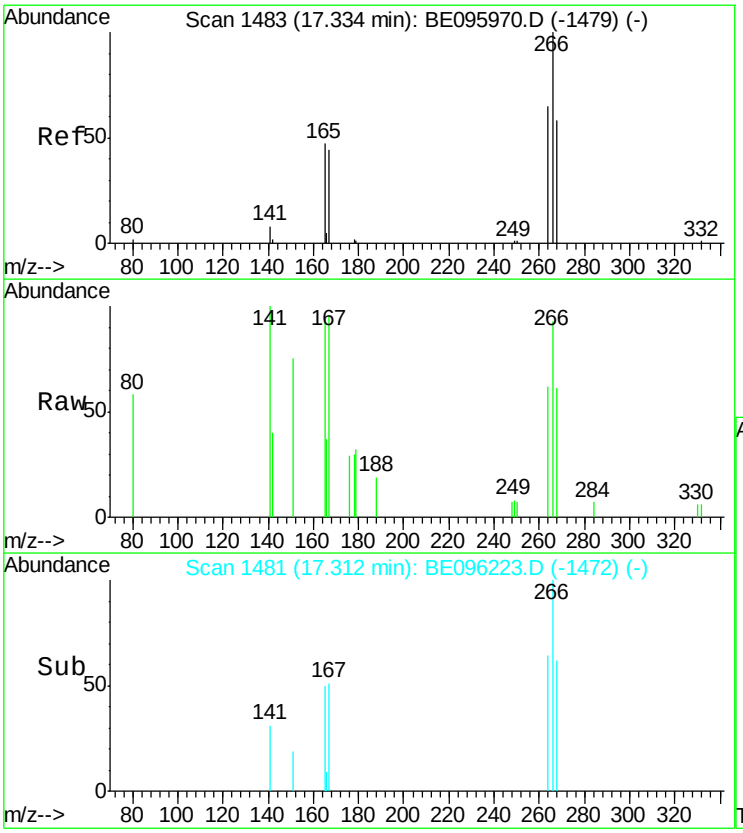
#21
Hexachlorobenzene
Concen: 0.361 ng
RT: 16.97 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:284 Resp: 737

Ion	Ratio	Lower	Upper
284	100		
142	36.8	22.1	33.1#
249	35.1	34.8	52.2

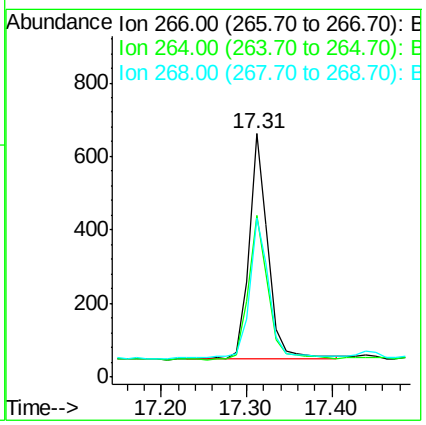


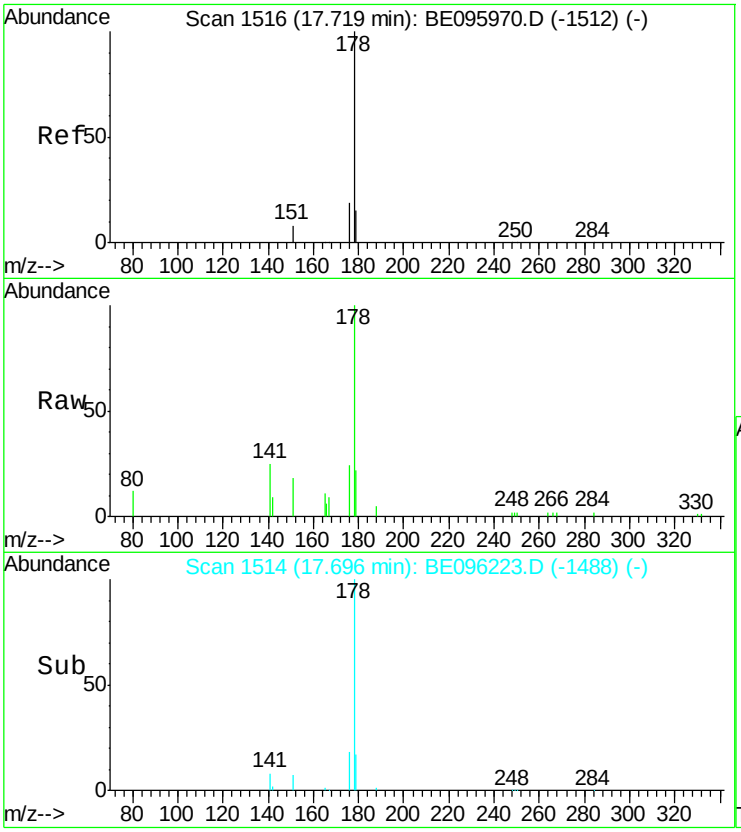


#22
Pentachlorophenol
Concen: 1.136 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:266 Resp: 943

Ion	Ratio	Lower	Upper
266	100		
264	66.6	72.5	108.7#
268	65.6	73.8	110.6#



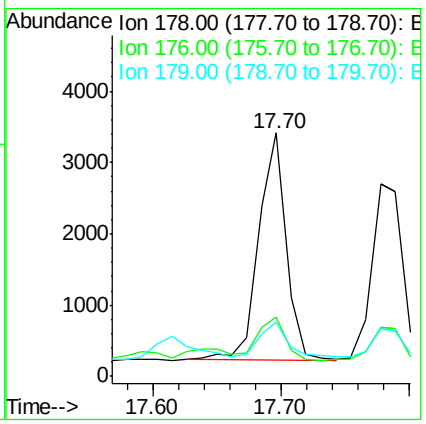


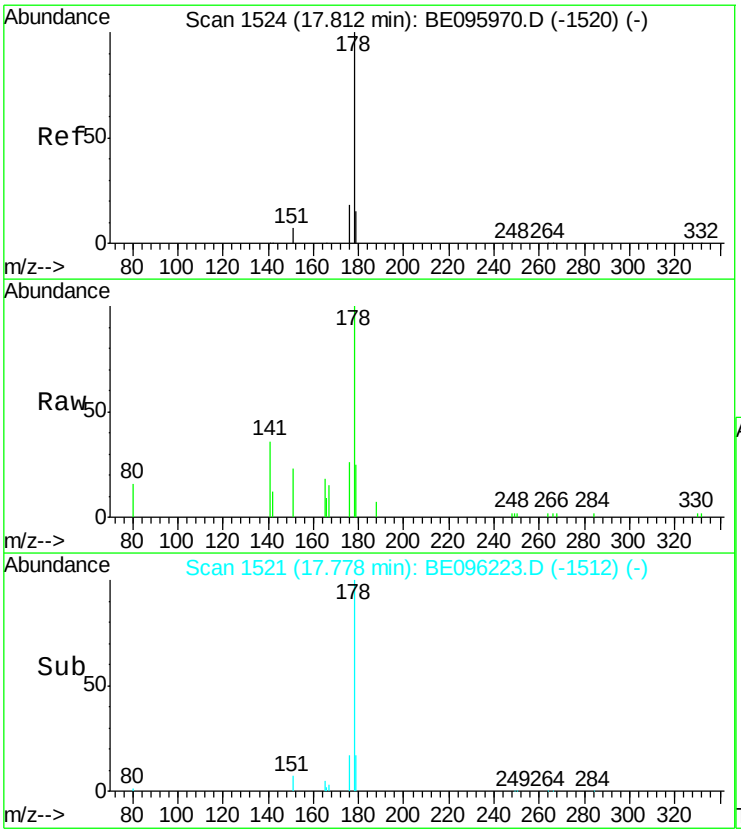
#23
Phenanthrene
Concen: 0.492 ng
RT: 17.70 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:178 Resp: 4769

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.6	11.8	17.6

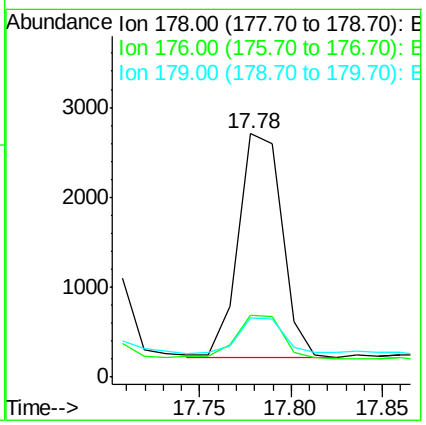


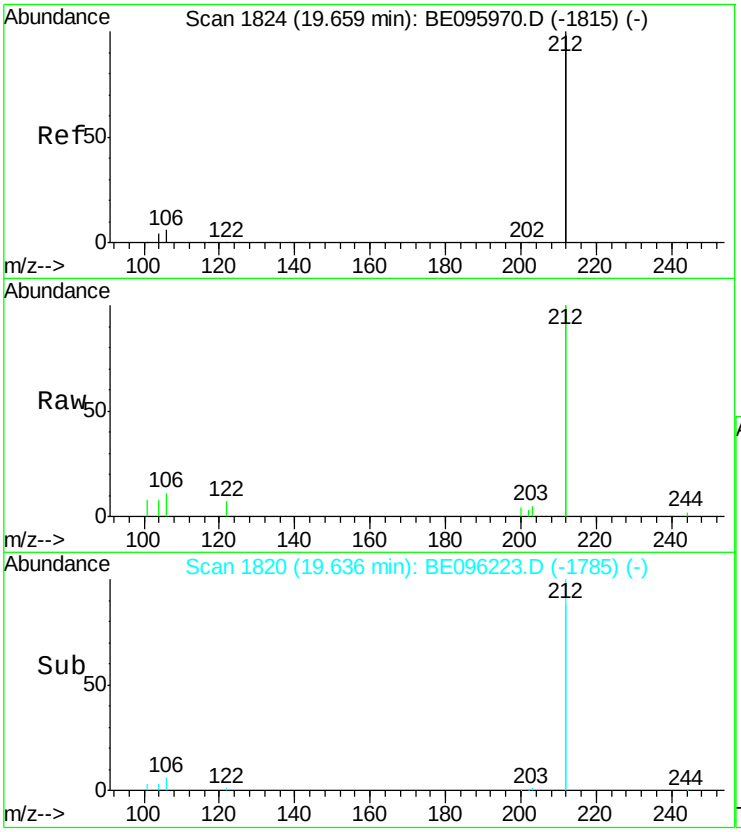


#24
Anthracene
Concen: 0.442 ng
RT: 17.78 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:178 Resp: 4097

Ion	Ratio	Lower	Upper
178	100		
176	21.5	12.8	19.2#
179	15.9	13.0	19.6



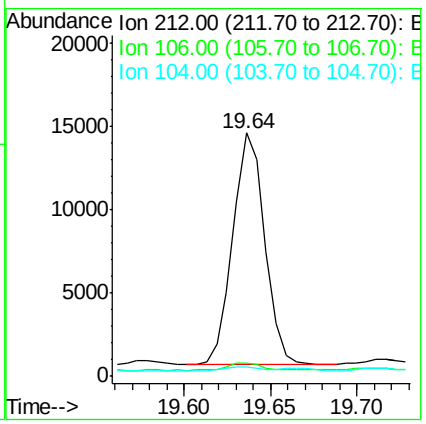


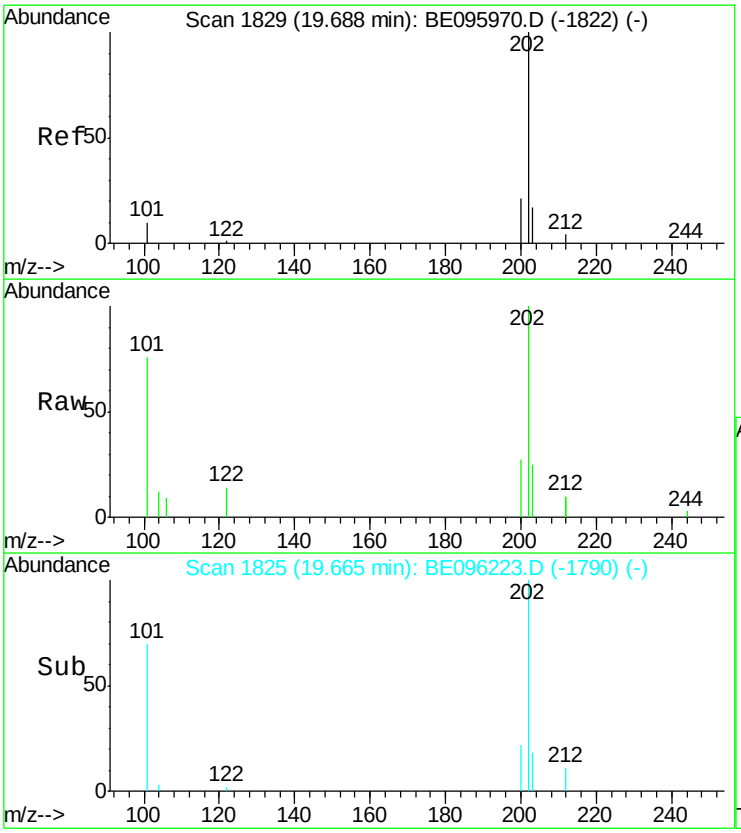
#25
Fluoranthene-d10
Concen: 0.382 ng
RT: 19.64 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:212 Resp: 17922

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	1.9	1.6	2.4

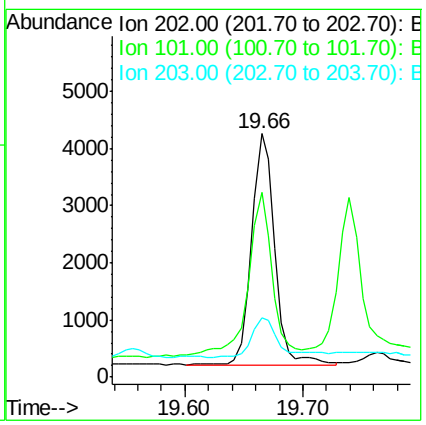


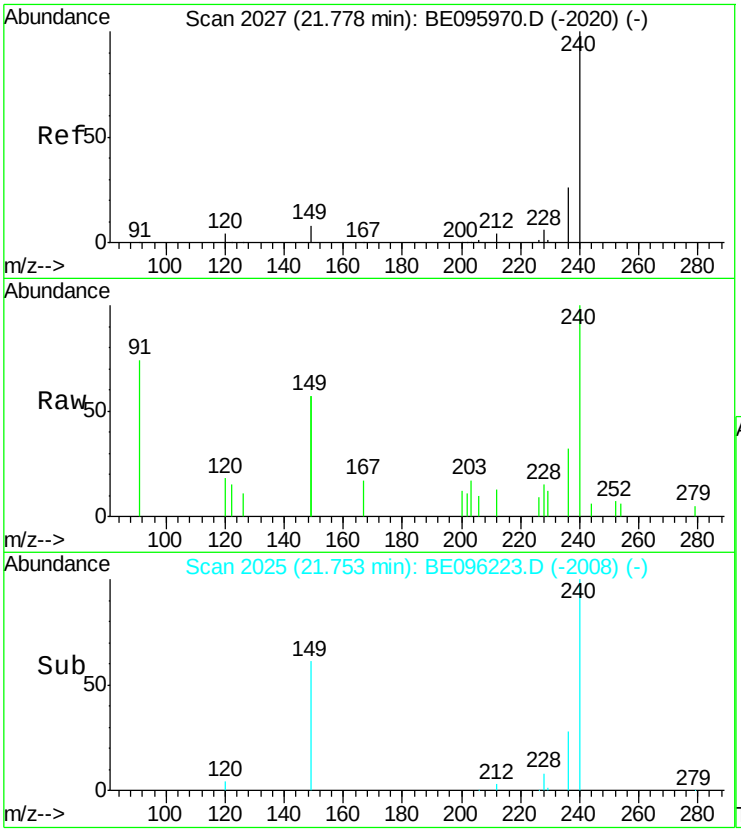


#26
Fluoranthene
Concen: 0.435 ng
RT: 19.66 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:202 Resp: 5542

Ion	Ratio	Lower	Upper
202	100		
101	76.4	9.8	14.8#
203	17.7	13.7	20.5



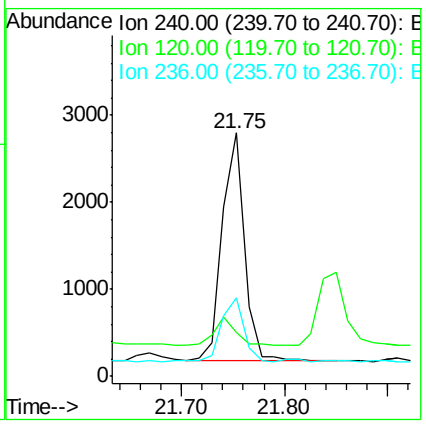


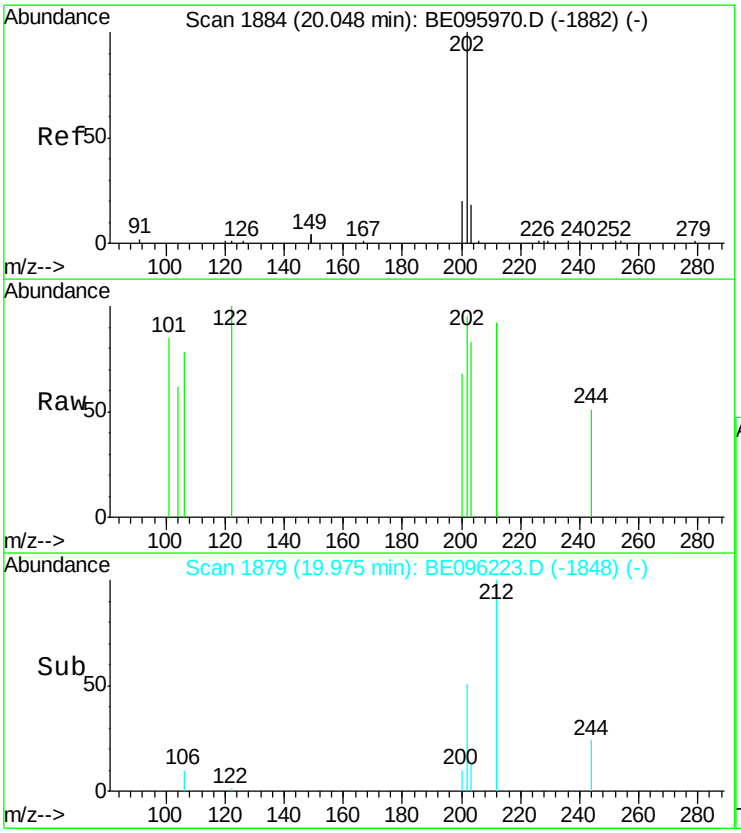
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.75 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:240 Resp: 3920

Ion	Ratio	Lower	Upper
240	100		
120	18.0	5.5	8.3#
236	32.2	20.7	31.1#

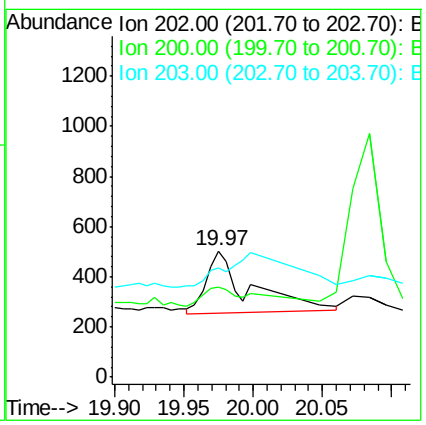


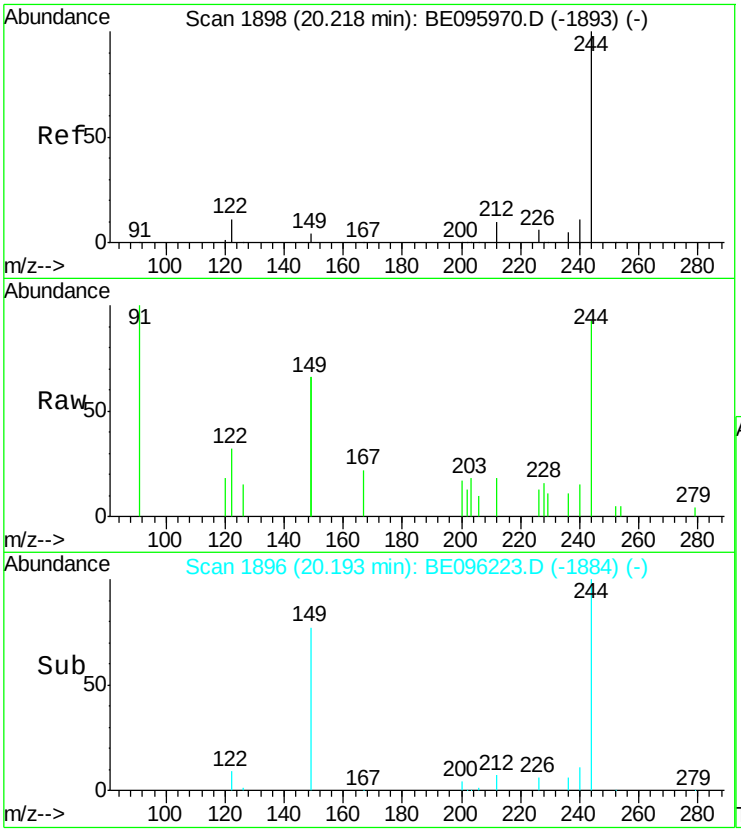


#28
Pyrene
Concen: 0.086 ng
RT: 19.97 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:202 Resp: 662

Ion	Ratio	Lower	Upper
202	100		
200	18.6	16.6	25.0
203	0.0	13.8	20.8#



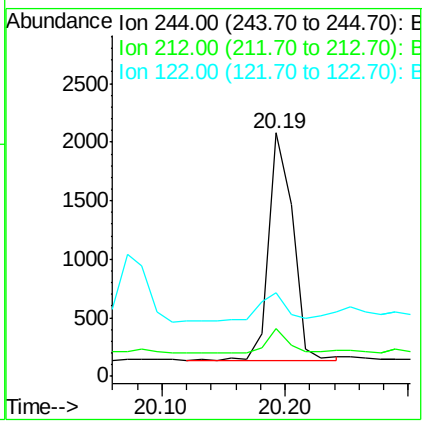


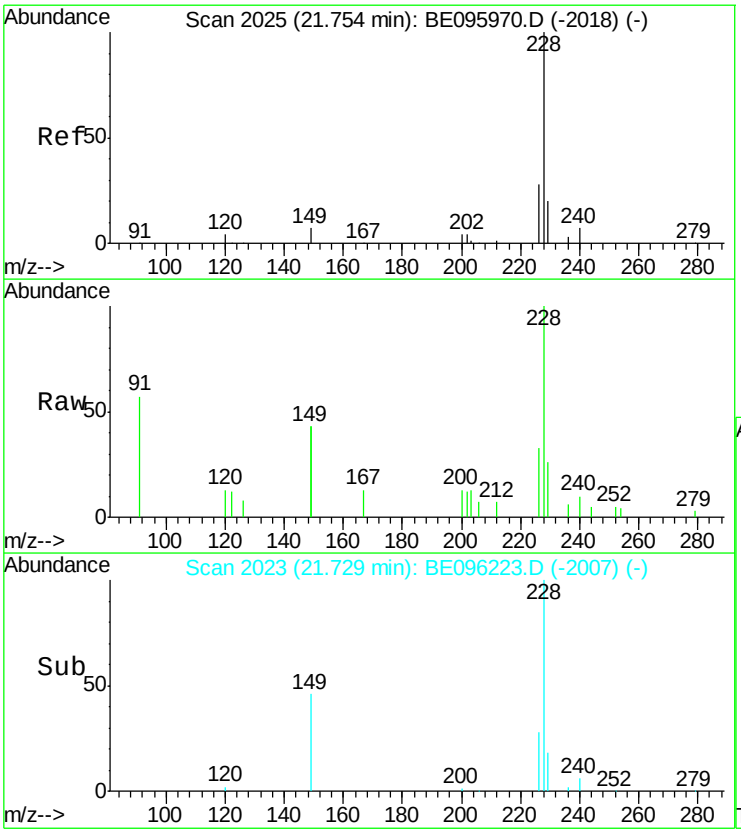
#29
Terphenyl-d14
Concen: 0.307 ng
RT: 20.19 min Scan# 1896
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:244 Resp: 2660

Ion	Ratio	Lower	Upper
244	100		
212	19.4	25.4	38.0#
122	34.4	8.1	12.1#

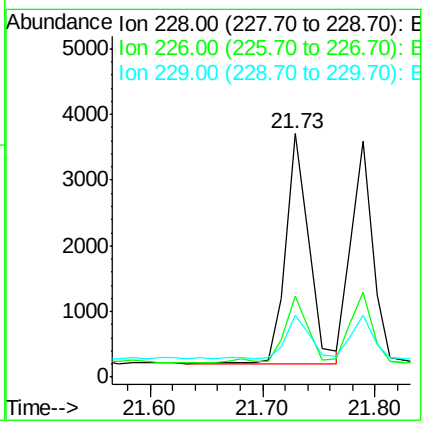


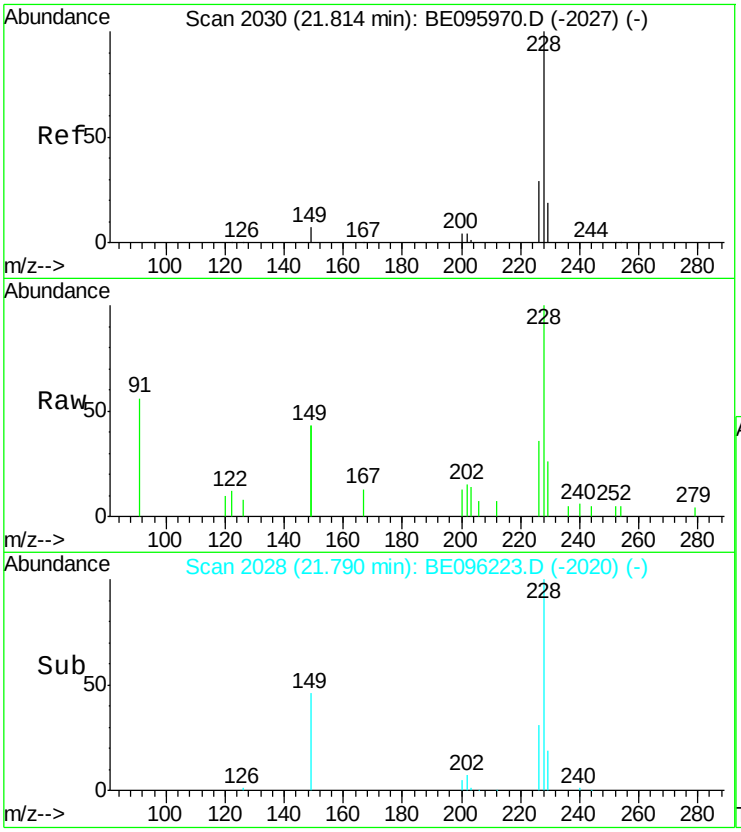


#30
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:228 Resp: 4982

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.0	36.0
229	25.6	16.0	24.0#



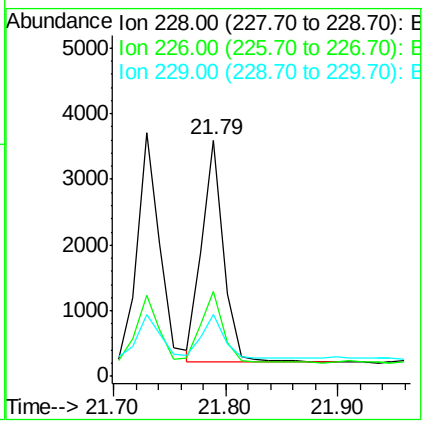


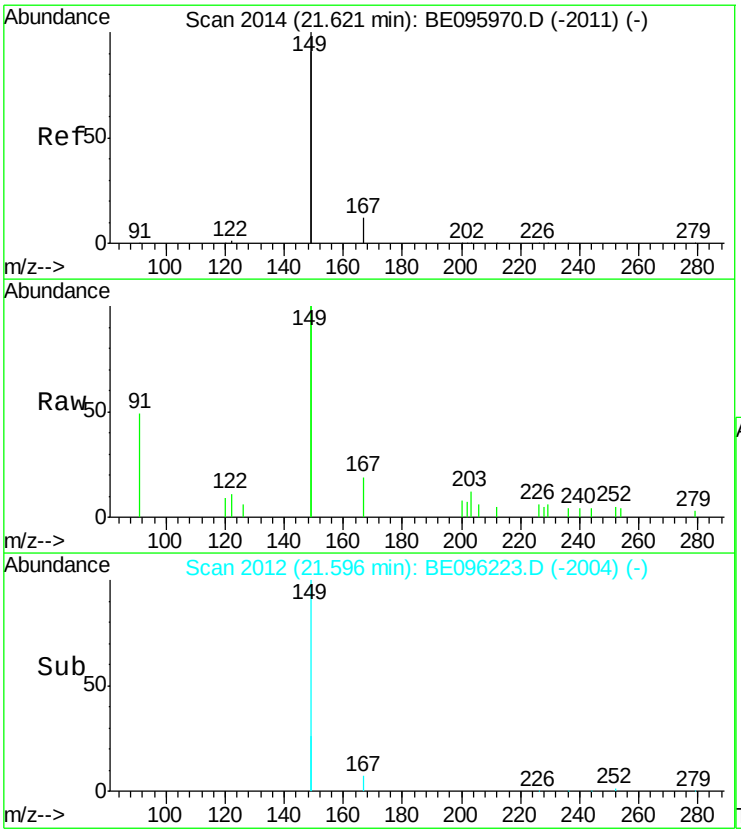
#31
Chrysene
Concen: 0.371 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:228 Resp: 4508

Ion	Ratio	Lower	Upper
228	100		
226	35.8	24.0	36.0
229	26.1	16.0	24.0#

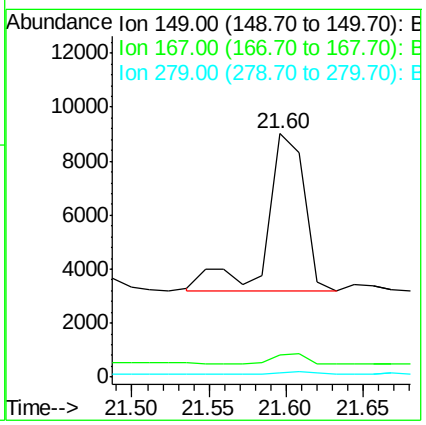


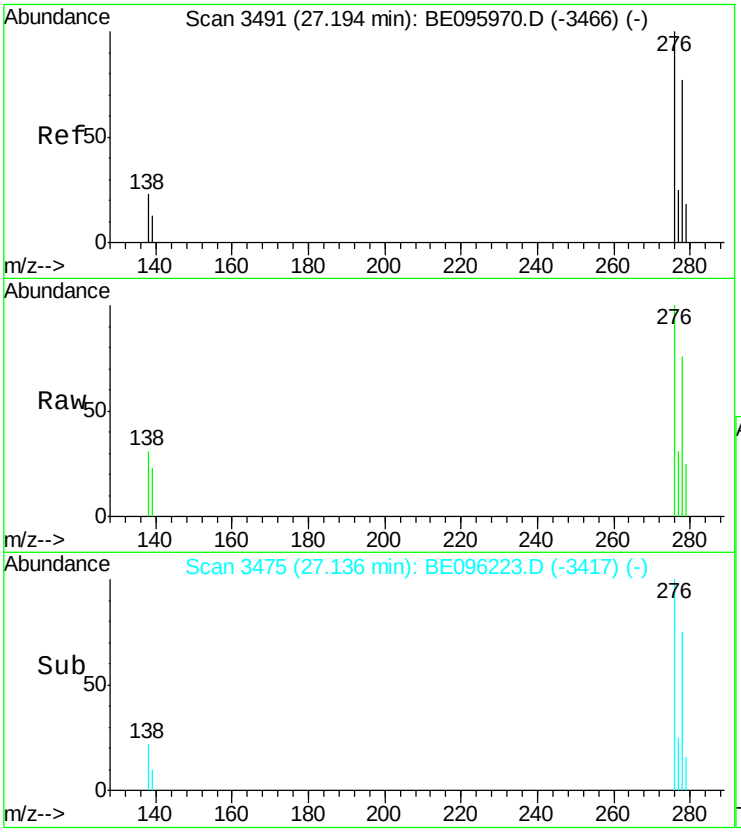


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.307 ng
RT: 21.60 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:149 Resp: 9953

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.4	0.7	1.1#



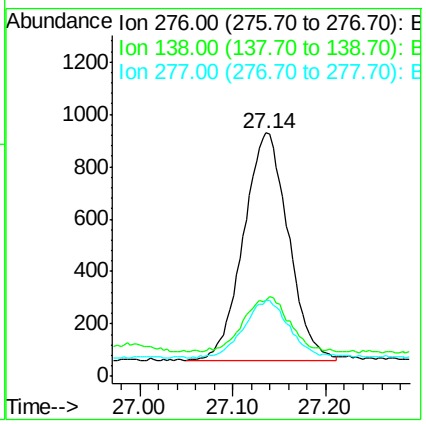


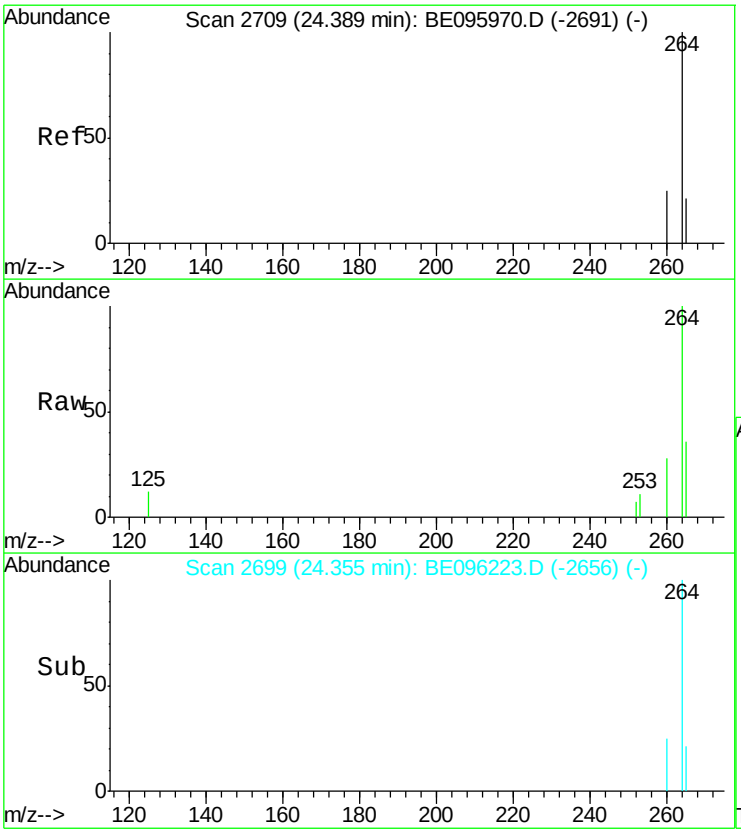
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.247 ng
RT: 27.14 min Scan# 3475
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:276 Resp: 2903

Ion	Ratio	Lower	Upper
276	100		
138	25.4	22.5	33.7
277	25.7	19.9	29.9

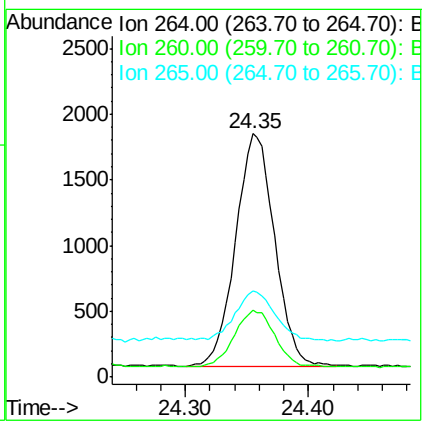


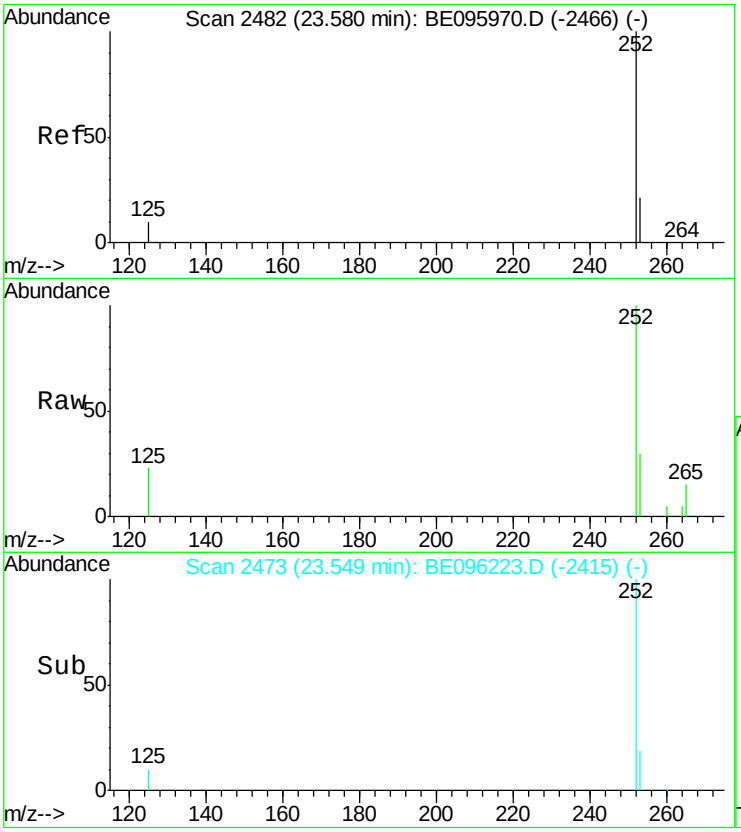


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:264 Resp: 3866

Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.5	30.7
265	35.6	22.8	34.2#



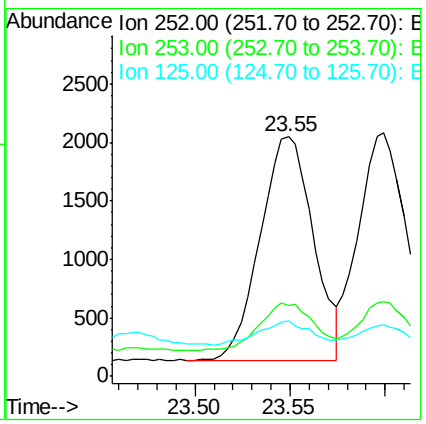


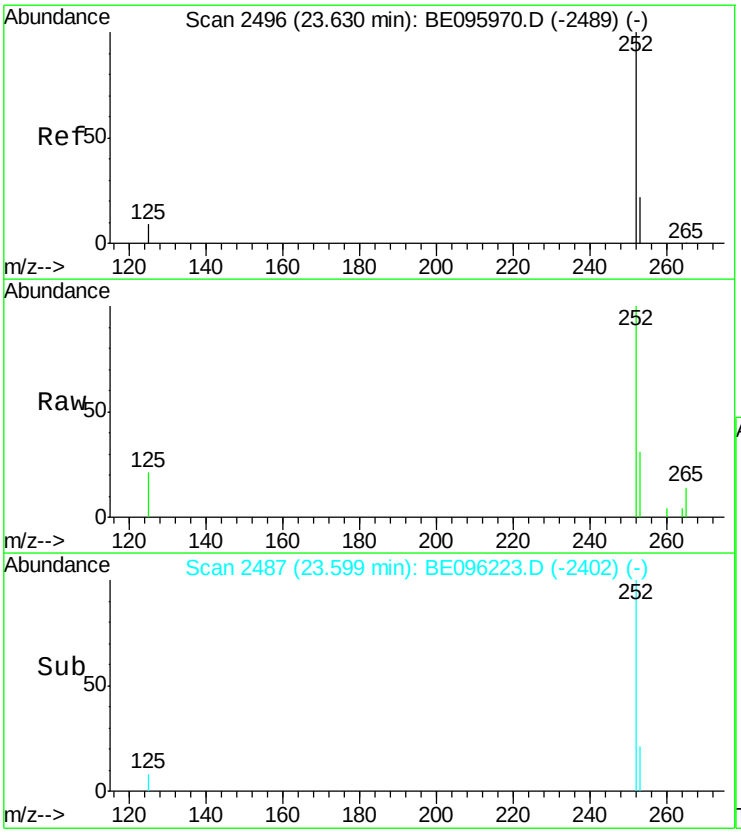
#35
Benzo(b)fluoranthene
Concen: 0.322 ng
RT: 23.55 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:252 Resp: 3733

Ion	Ratio	Lower	Upper
252	100		
253	29.8	20.0	30.0
125	22.9	16.0	24.0

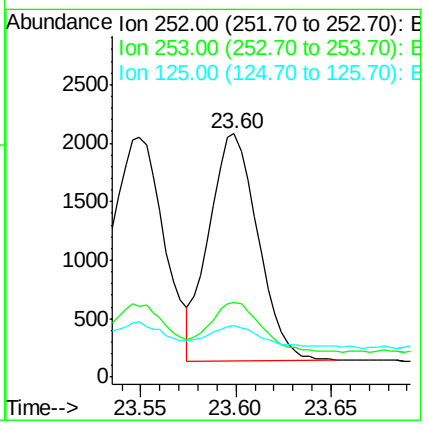


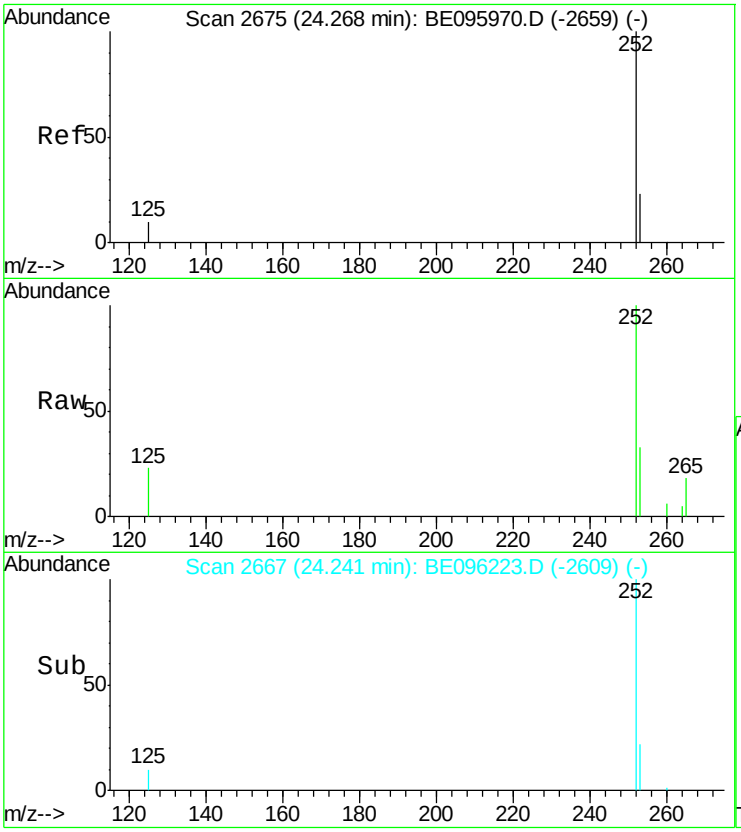


#36
Benzo(k)fluoranthene
Concen: 0.290 ng
RT: 23.60 min Scan# 2487
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:252 Resp: 3465

Ion	Ratio	Lower	Upper
252	100		
253	30.9	16.0	24.0#
125	21.0	8.0	12.0#



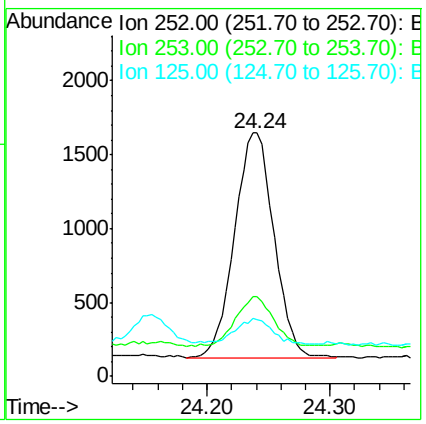


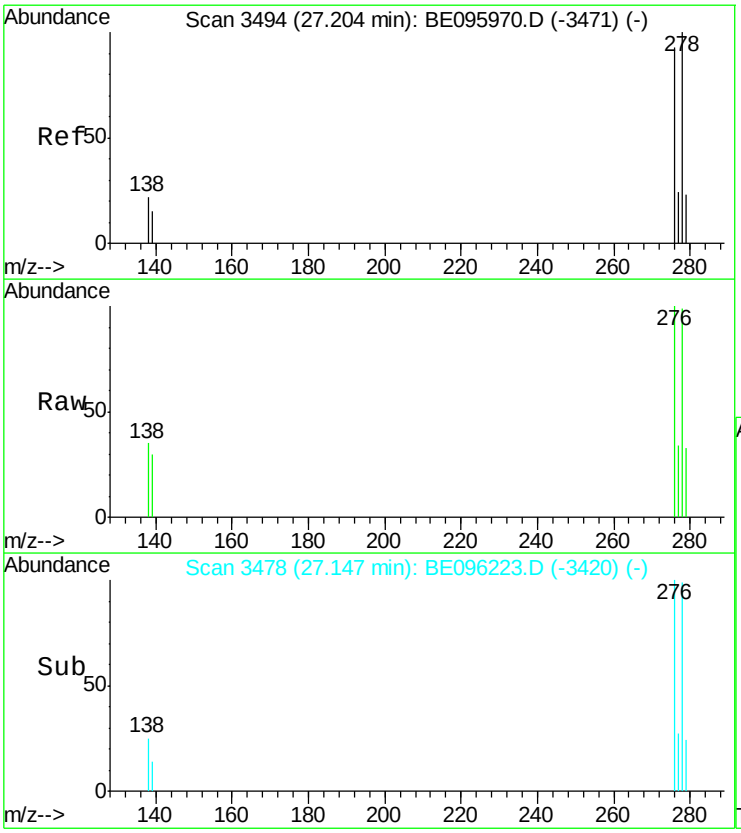
#37
Benzo(a)pyrene
Concen: 0.304 ng
RT: 24.24 min Scan# 2667
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:252 Resp: 3386

Ion	Ratio	Lower	Upper
252	100		
253	32.9	16.0	24.0#
125	23.4	12.0	18.0#

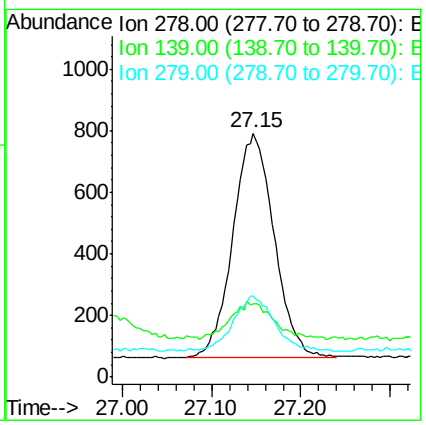


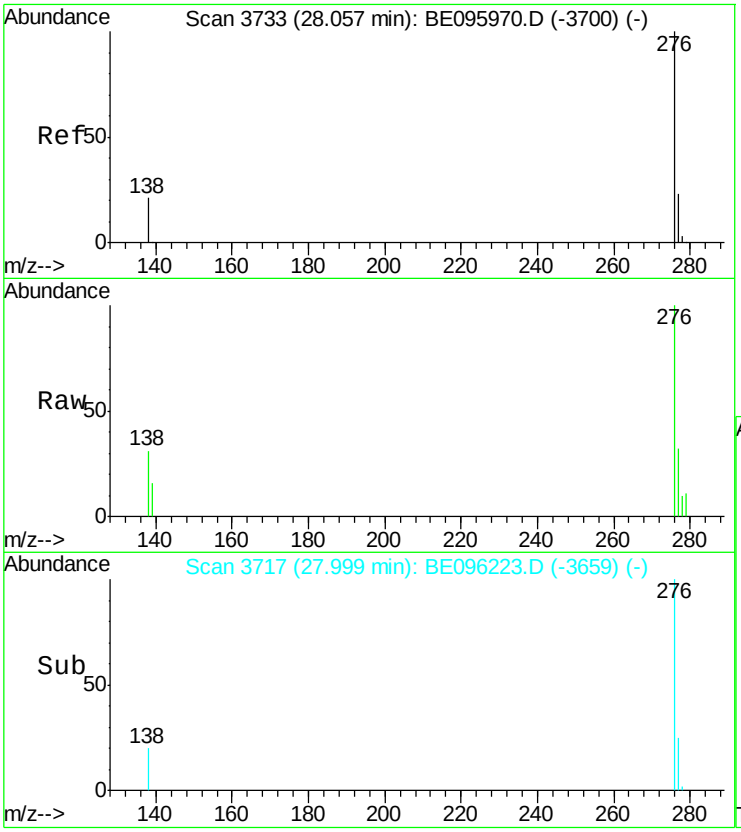


#38
Dibenzo(a,h)anthracene
Concen: 0.237 ng
RT: 27.15 min Scan# 3478
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:278 Resp: 2327

Ion	Ratio	Lower	Upper
278	100		
139	30.3	16.0	24.0#
279	33.4	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.238 ng
RT: 28.00 min Scan# 3717
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:276 Resp: 2474

Ion	Ratio	Lower	Upper
276	100		
277	32.3	16.0	24.0#
138	31.4	20.0	30.0#