Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
Data File : BE096292.D
Acq On : 2 May 2018 13:27
Operator : SJ/JU
Sample : PB108755BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: May 03 01:49:02 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	814	0.40	ng		0.00
7) Naphthalene-d8	11.19	136	2943	0.40	ng		0.00
13) Acenaphthene-d10	14.94	164	1466	0.40	ng		0.00
19) Phenanthrene-d10	17.65	188	3427	0.40	ng		0.00
27) Chrysene-d12	21.74	240	3473	0.40	ng		0.00
34) Perylene-d12	24.35	264	3135	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.87	112	793	0.31	ng		0.00
5) Phenol-d6	7.52	99	1091	0.31	ng		0.00
8) Nitrobenzene-d5	9.54	82	1596	0.46	ng		0.00
11) 2-Methylnaphthalene-d10	12.73	152	1507	0.32	ng		0.00
14) 2,4,6-Tribromophenol	16.41	330	176	0.25	ng		0.00
15) 2-Fluorobiphenyl	13.57	172	3092	0.49	ng		0.00
25) Fluoranthene-d10	19.63	212	14901	0.32	ng		0.00
29) Terphenyl-d14	20.19	244	3552	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.60	88	370	0.294	ng	#	72
3) n-Nitrosodimethylamine	3.96	42	582	0.378	ng	#	68
6) bis(2-Chloroethyl)ether	7.76	93	934	0.305	ng		89
9) Naphthalene	11.23	128	10866	0.350	ng		99
10) Hexachlorobutadiene	11.50	225	459	0.334	ng	#	84
12) 2-Methylnaphthalene	12.81	142	1783	0.347	ng		96
16) Acenaphthylene	14.67	152	2681	0.342	ng		100
17) Acenaphthene	15.00	154	1591	0.338	ng		92
18) Fluorene	15.97	166	2124	0.365	ng	#	64
20) 4-Bromophenyl-phenylether	16.83	248	662	0.325	ng	#	77
21) Hexachlorobenzene	16.96	284	695	0.343	ng	#	79
22) Pentachlorophenol	17.31	266	119	0.263	ng		86
23) Phenanthrene	17.68	178	3498	0.363	ng		99
24) Anthracene	17.78	178	3209	0.349	ng	#	95
26) Fluoranthene	19.66	202	4404	0.348	ng		97
28) Pyrene	20.00	202	309	0.045	ng	#	61
30) Benzo(a)anthracene	21.73	228	3878	0.348	ng		97
31) Chrysene	21.78	228	3921	0.365	ng		96
32) Bis(2-ethylhexyl)phthalate	21.60	149	8372	0.291	ng	#	99
33) Indeno(1,2,3-cd)pyrene	27.14	276	3031	0.291	ng	#	82
35) Benzo(b)fluoranthene	23.54	252	3554	0.378	ng	#	93
36) Benzo(k)fluoranthene	23.59	252	3744	0.387	ng	#	88
37) Benzo(a)pyrene	24.23	252	3384	0.374	ng	#	92
38) Dibenzo(a,h)anthracene	27.15	278	2321	0.291	ng		93
39) Benzo(g,h,i)perylene	27.99	276	2720	0.323	ng	#	90

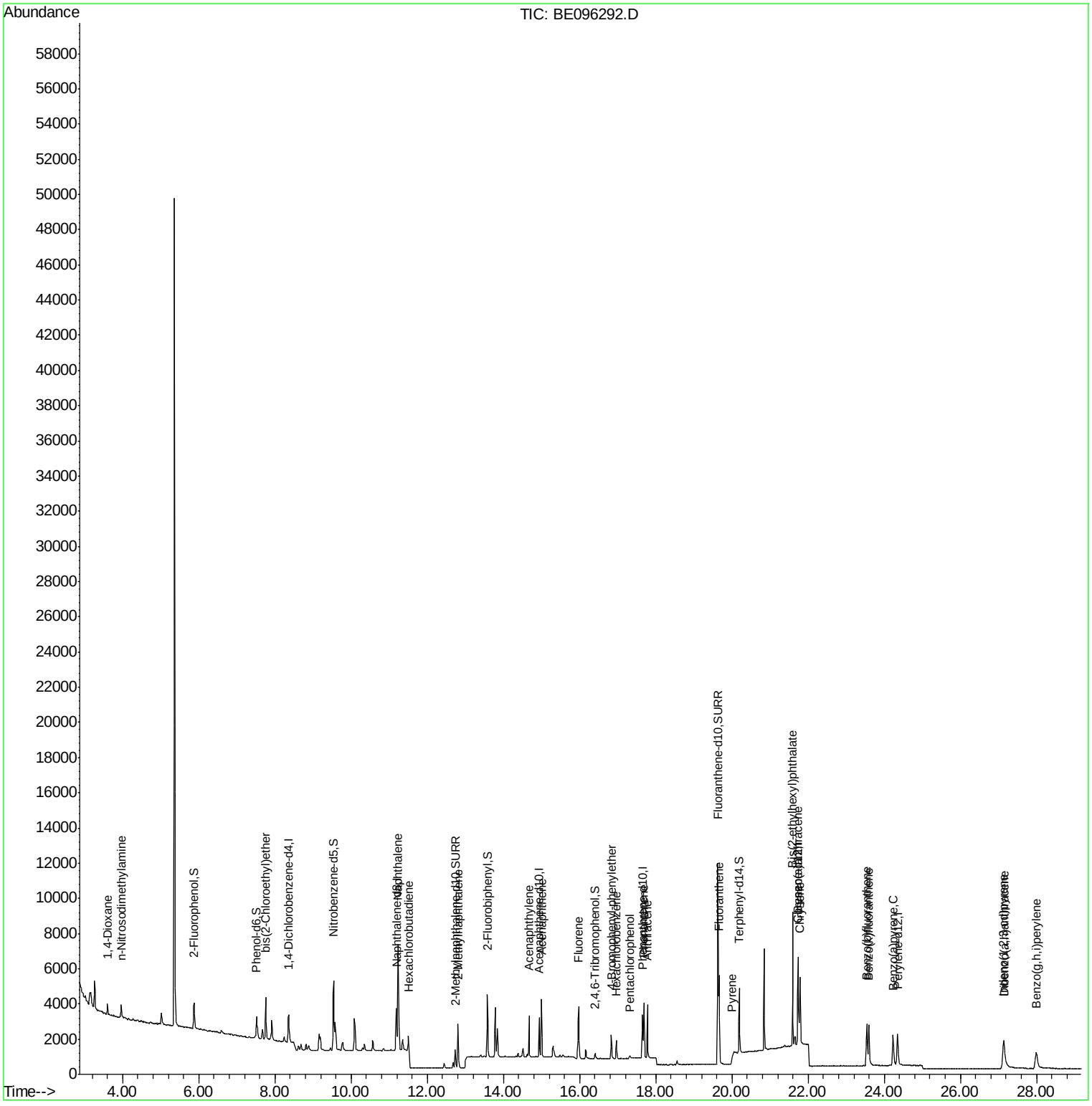
(#) = qualifier out of range (m) = manual integration (+) = signals summed

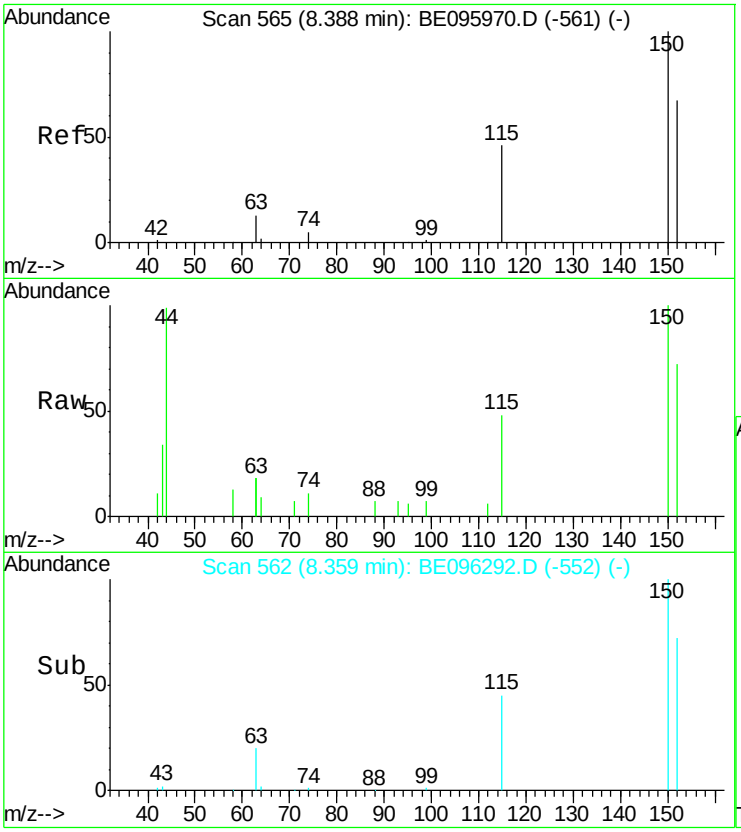
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
Data File : BE096292.D
Acq On : 2 May 2018 13:27
Operator : SJ/JU
Sample : PB108755BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 03 01:49:02 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



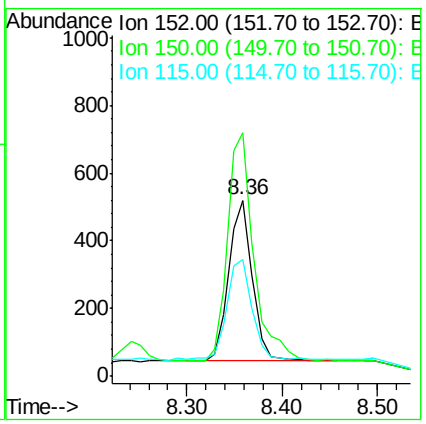


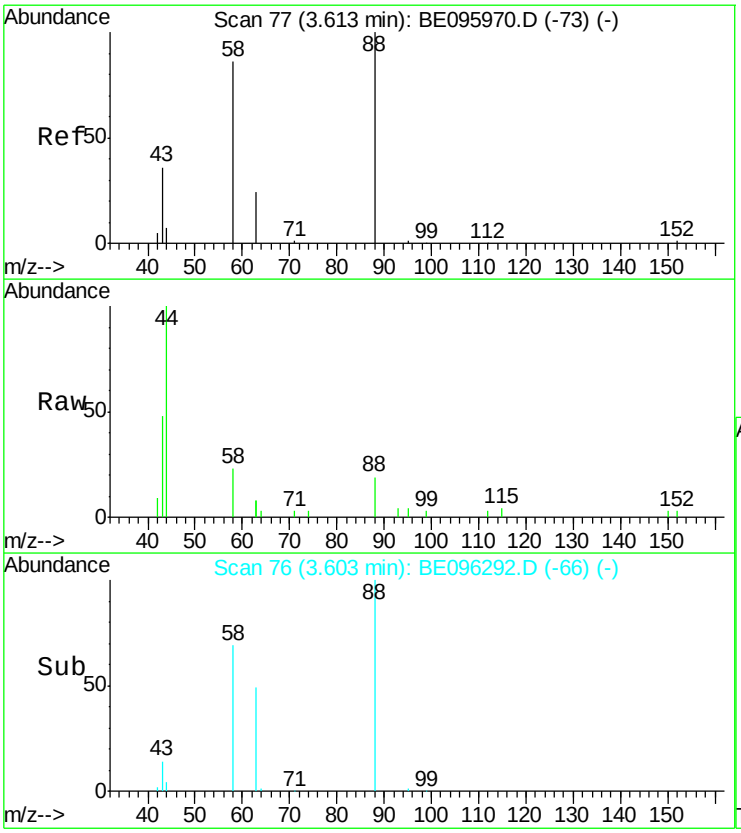
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 814

Ion	Ratio	Lower	Upper
152	100		
150	138.3	117.2	175.8
115	66.3	57.0	85.6

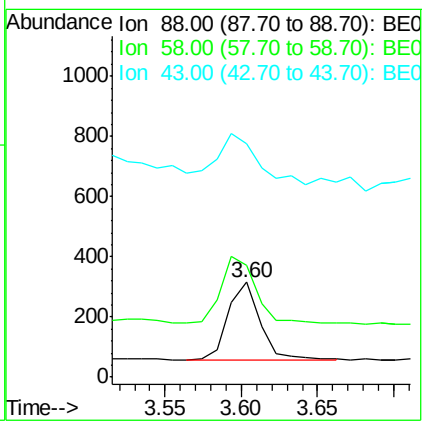


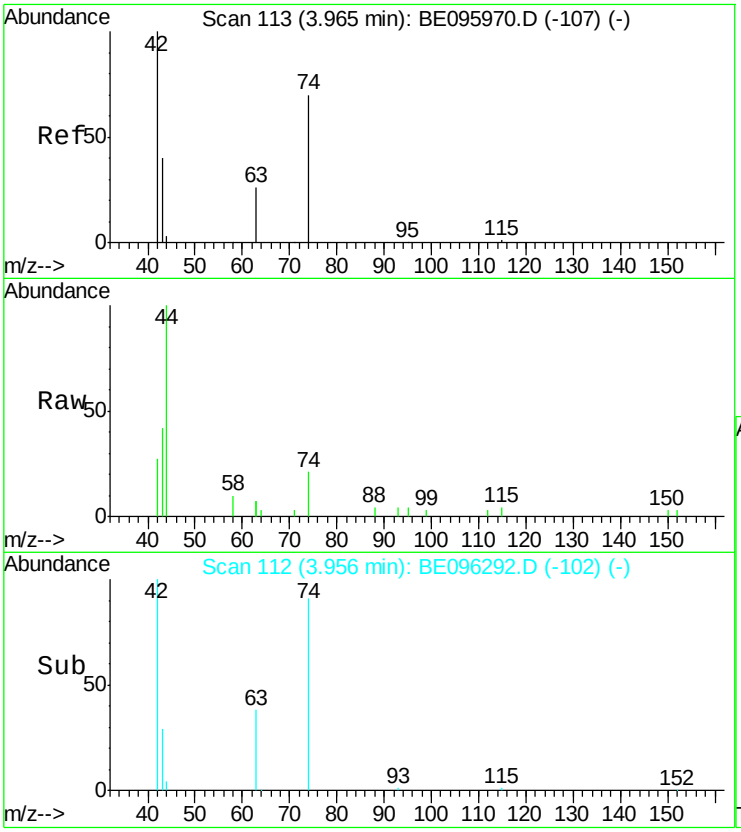


#2
1,4-Dioxane
Concen: 0.294 ng
RT: 3.60 min Scan# 76
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion: 88 Resp: 370

Ion	Ratio	Lower	Upper
88	100		
58	92.7	63.2	94.8
43	84.3	41.2	61.8#



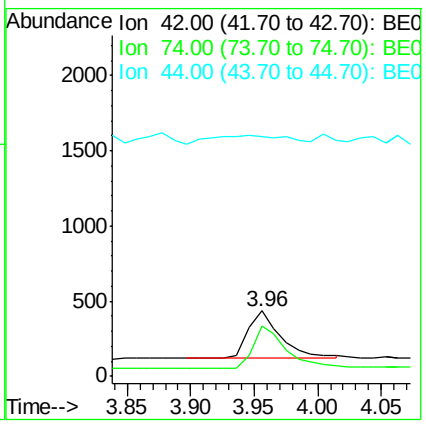


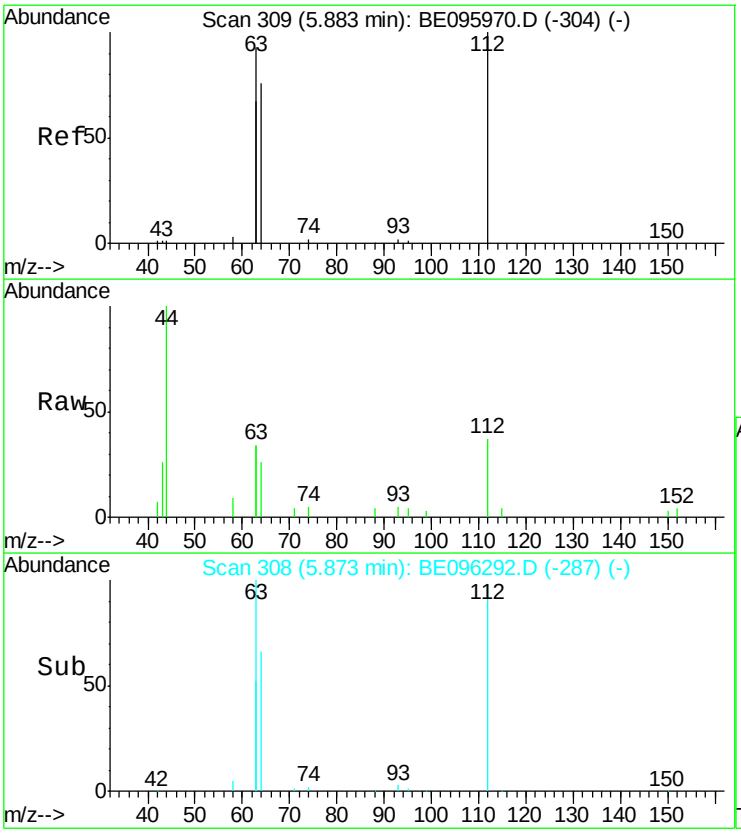
#3
n-Nitrosodimethylamine
Concen: 0.378 ng
RT: 3.96 min Scan# 112
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 582

Ion	Ratio	Lower	Upper
42	100		
74	88.1	96.0	144.0#
44	40.5	12.0	18.0#

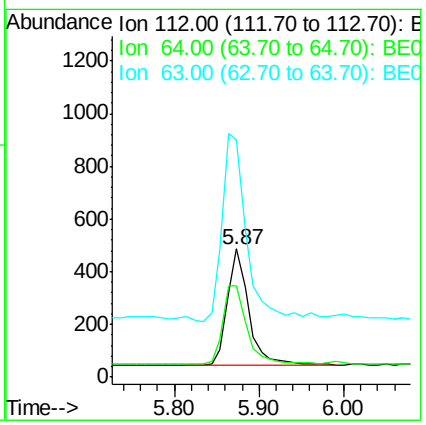


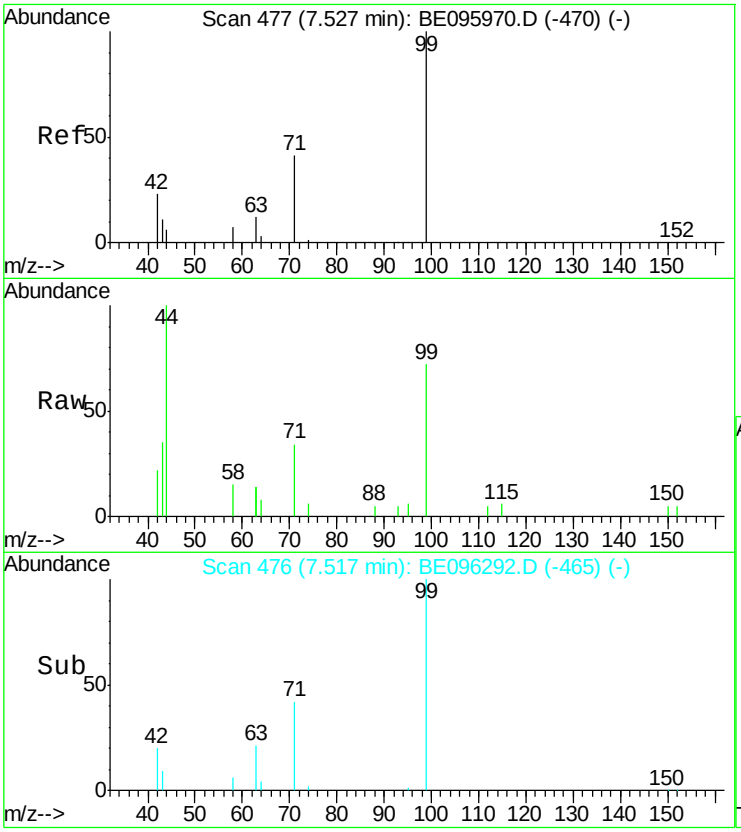


#4
2-Fluorophenol
Concen: 0.315 ng
RT: 5.87 min Scan# 308
Delta R.T. 0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:112 Resp: 793

Ion	Ratio	Lower	Upper
112	100		
64	74.3	60.1	90.1
63	186.8	116.8	175.2#



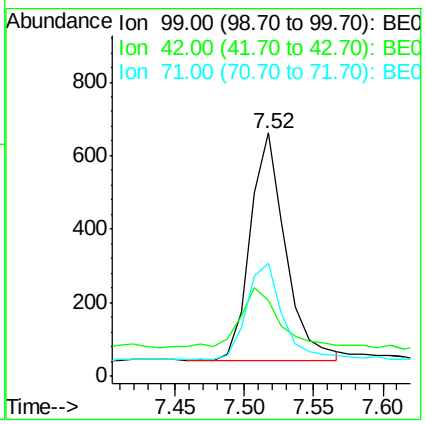


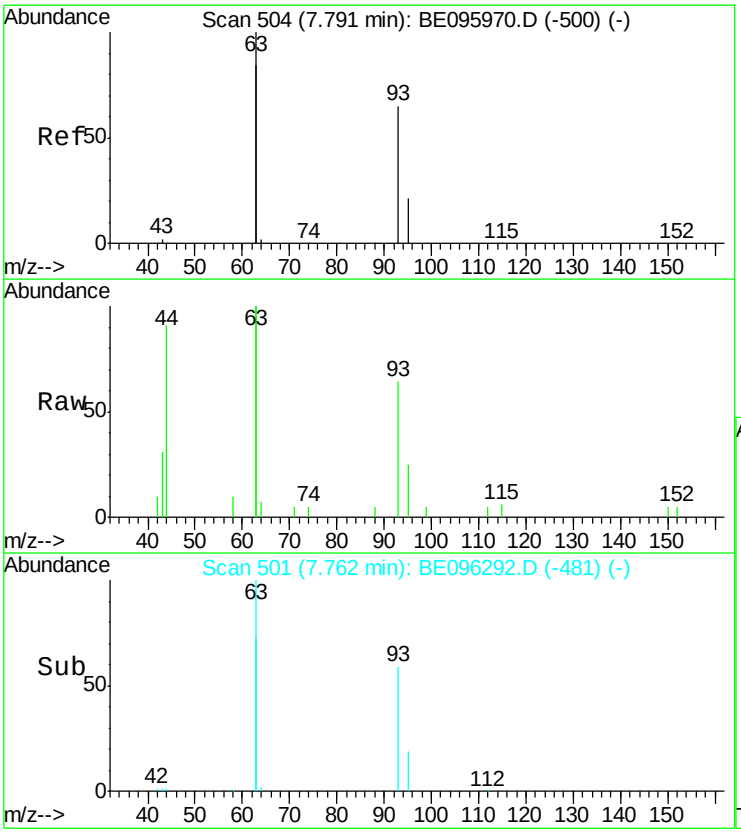
#5
Phenol-d6
Concen: 0.314 ng
RT: 7.52 min Scan# 476
Delta R.T. 0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1091

Ion	Ratio	Lower	Upper
99	100		
42	29.2	20.2	30.2
71	43.7	28.4	42.6#

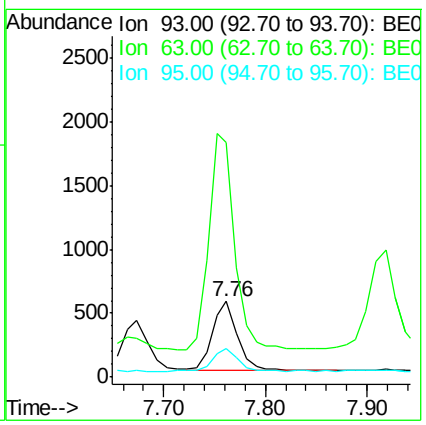


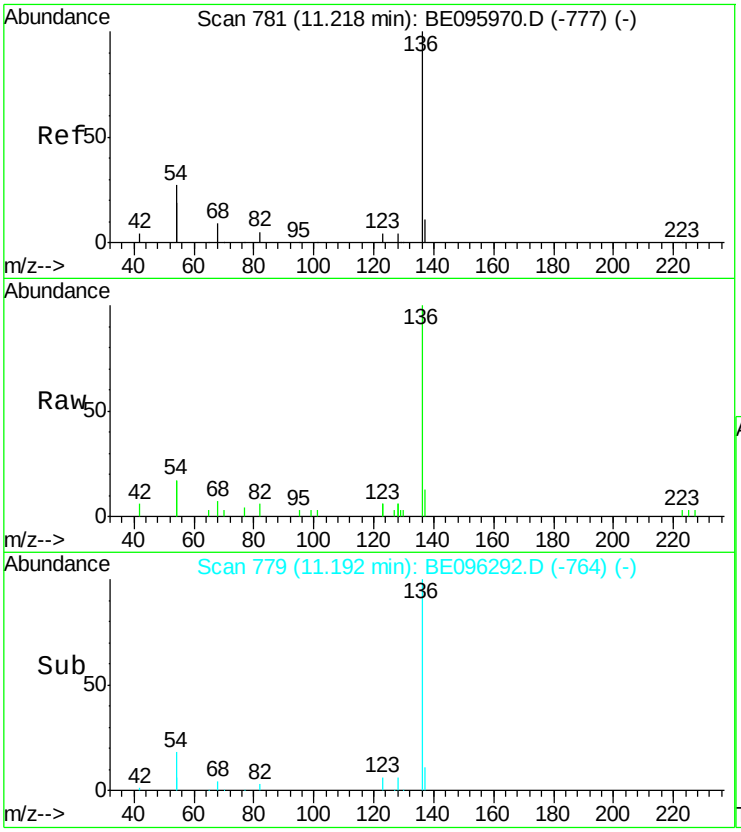


#6
bis(2-Chloroethyl)ether
Concen: 0.305 ng
RT: 7.76 min Scan# 501
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion: 93 Resp: 934

Ion	Ratio	Lower	Upper
93	100		
63	318.6	275.3	412.9
95	32.2	25.2	37.8



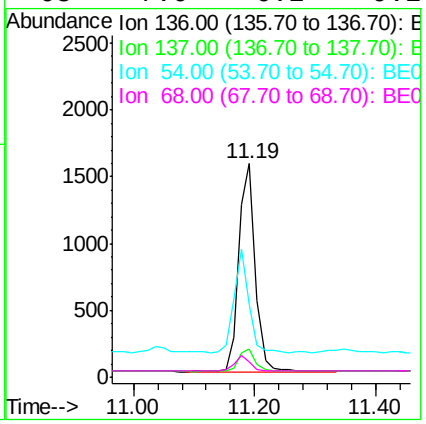


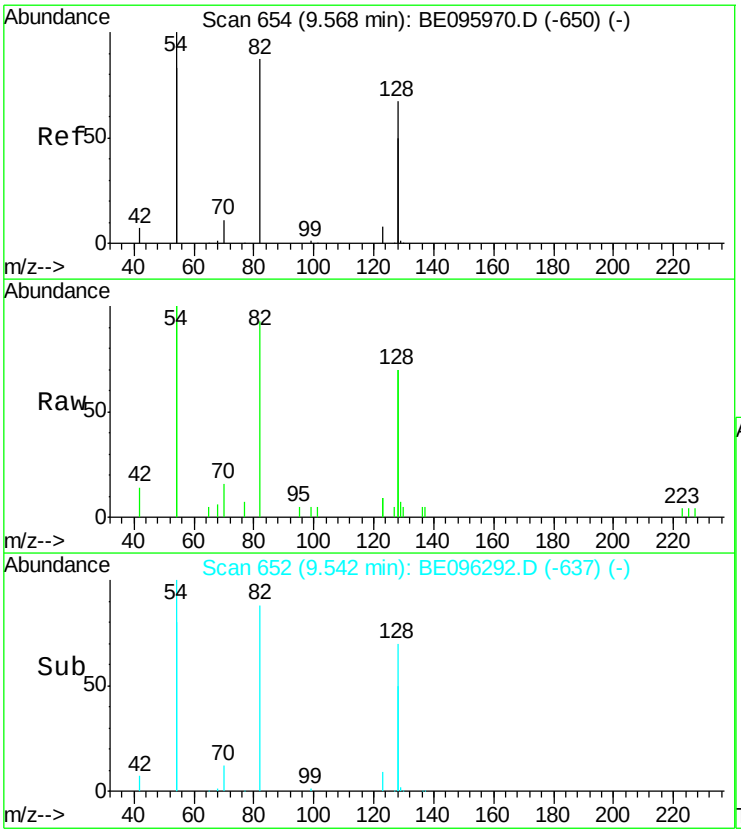
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.19 min Scan# 779
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 2943

Ion	Ratio	Lower	Upper
136	100		
137	13.3	9.5	14.3
54	34.3	29.1	43.7
68	7.0	6.2	9.2

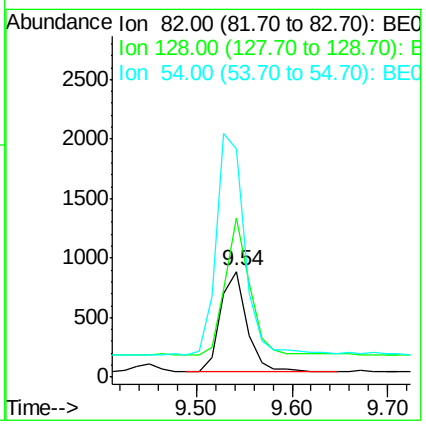


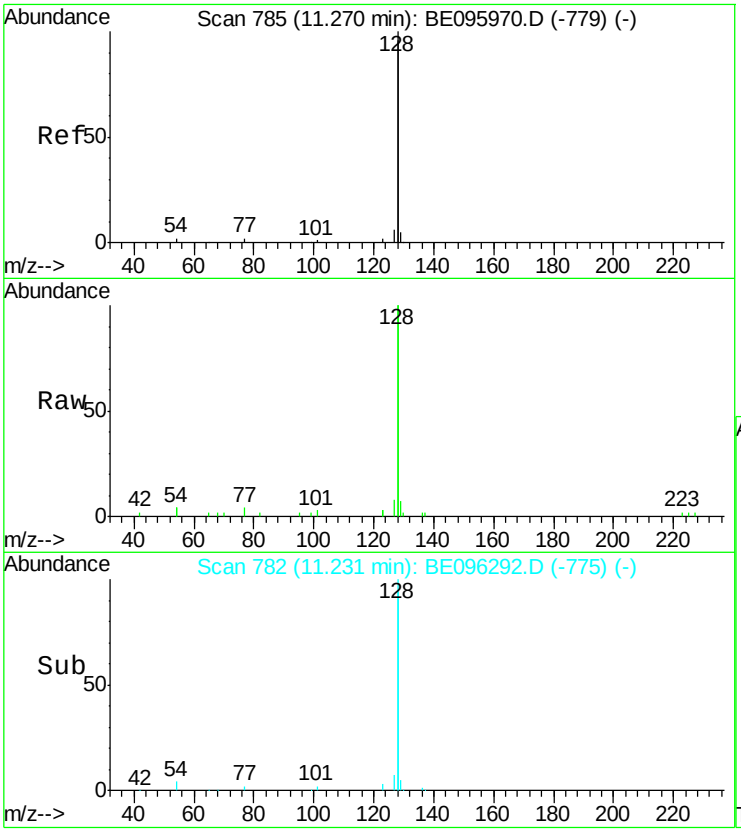


#8
Nitrobenzene-d5
Concen: 0.462 ng
RT: 9.54 min Scan# 652
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion: 82 Resp: 1596

Ion	Ratio	Lower	Upper
82	100		
128	150.5	150.0	225.0
54	215.5	154.2	231.4



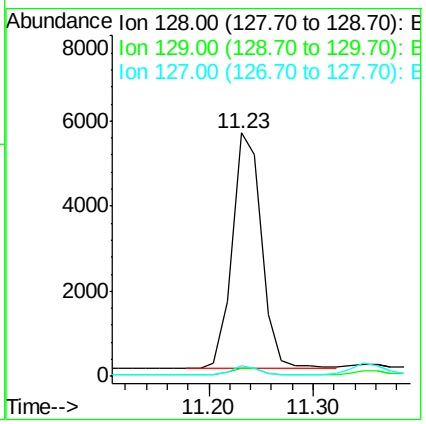


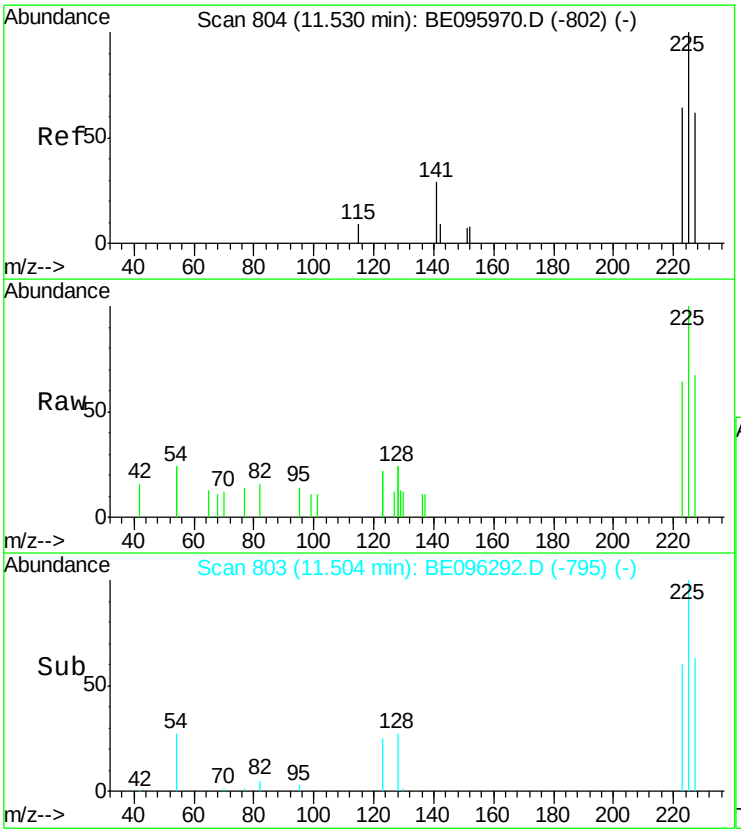
#9
Naphthalene
Concen: 0.350 ng
RT: 11.23 min Scan# 782
Delta R.T. -0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 10866

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	4.1	2.8	4.2

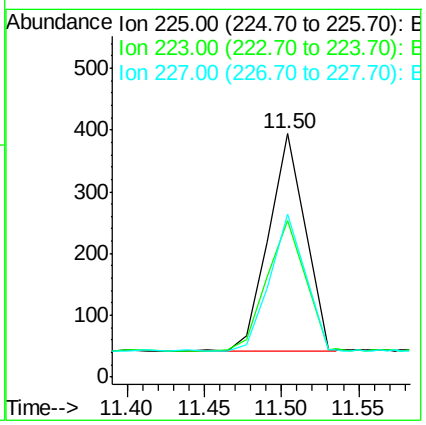


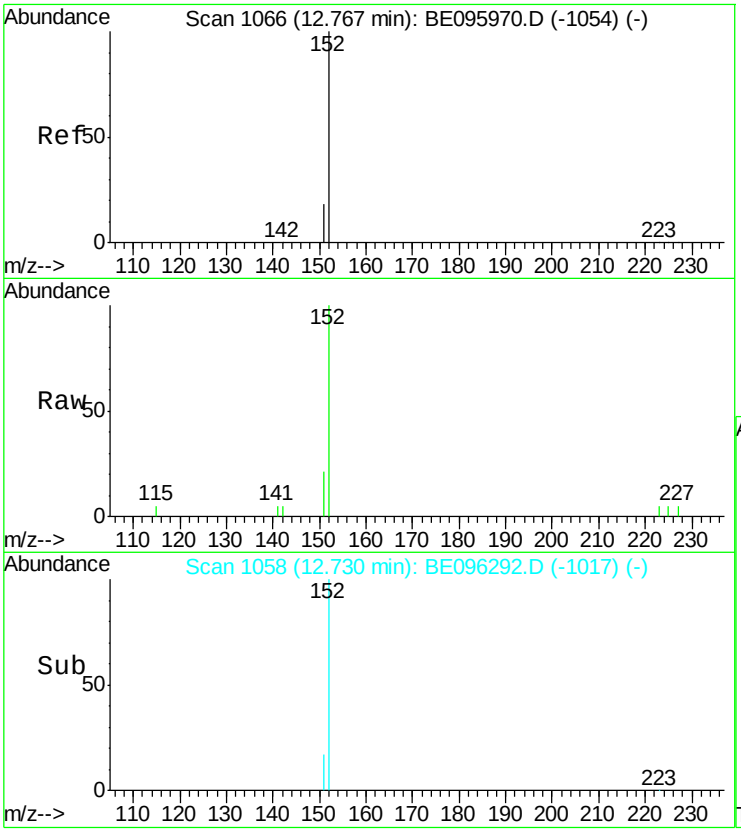


#10
Hexachlorobutadiene
Concen: 0.334 ng
RT: 11.50 min Scan# 803
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:225 Resp: 459

Ion	Ratio	Lower	Upper
225	100		
223	54.9	53.0	79.6
227	50.5	51.4	77.2#



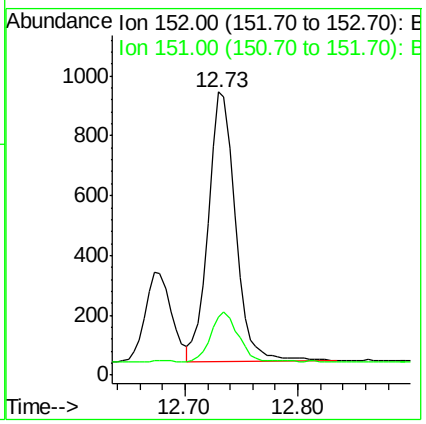


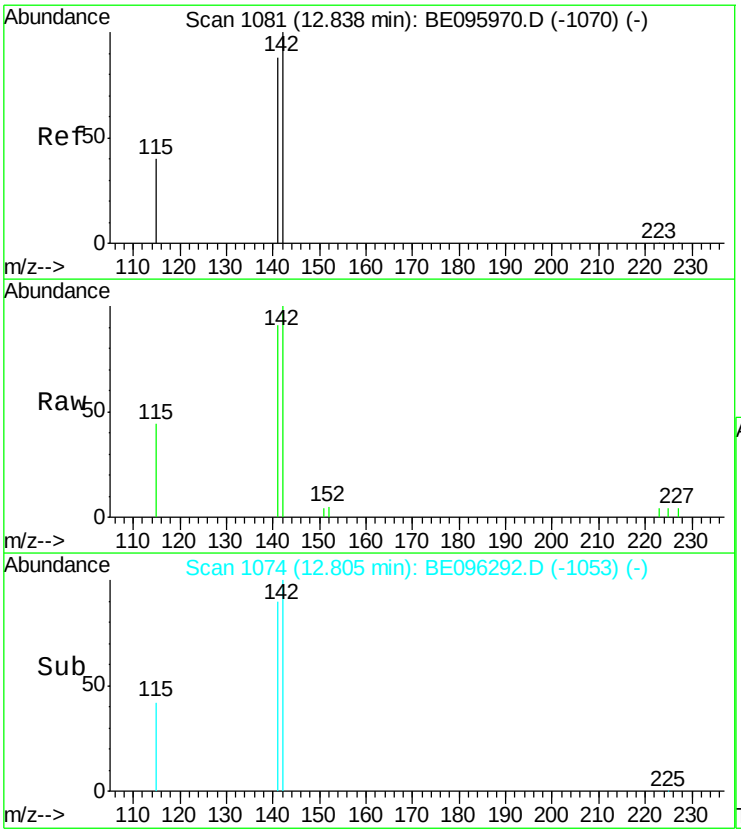
#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.73 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1507

Ion	Ratio	Lower	Upper
152	100		
151	18.0	15.4	23.0

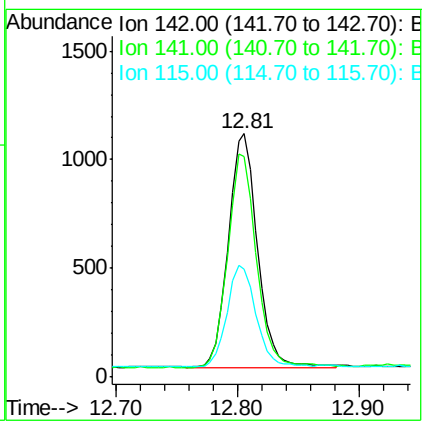


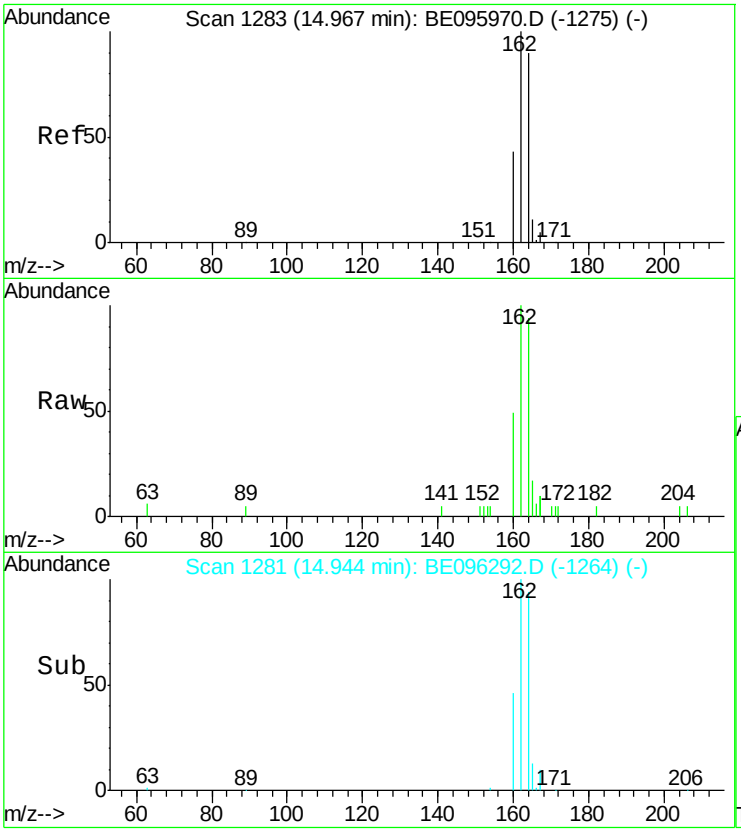


#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 12.81 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:142 Resp: 1783

Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.4	105.6
115	44.4	31.7	47.5



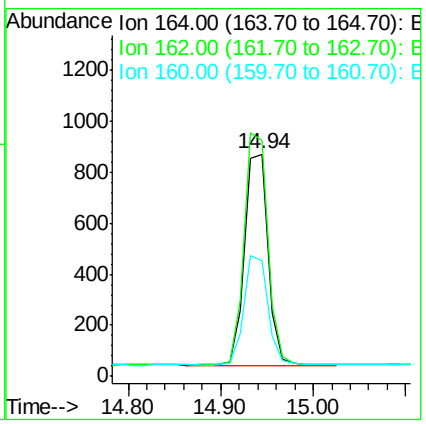


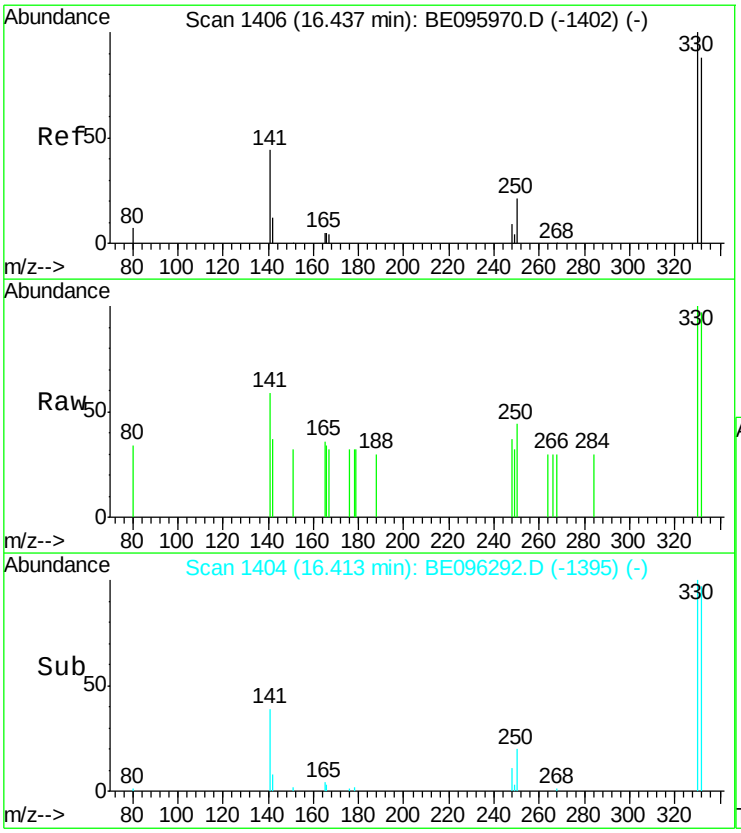
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.94 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1466

Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.1	124.7
160	52.0	37.1	55.7

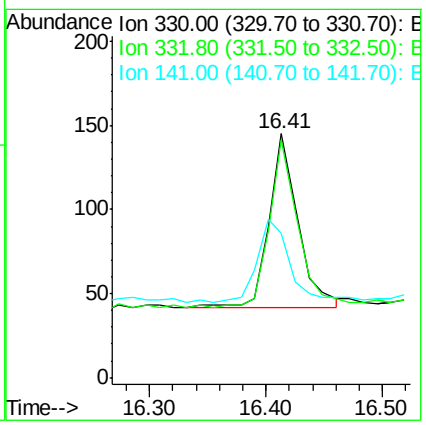


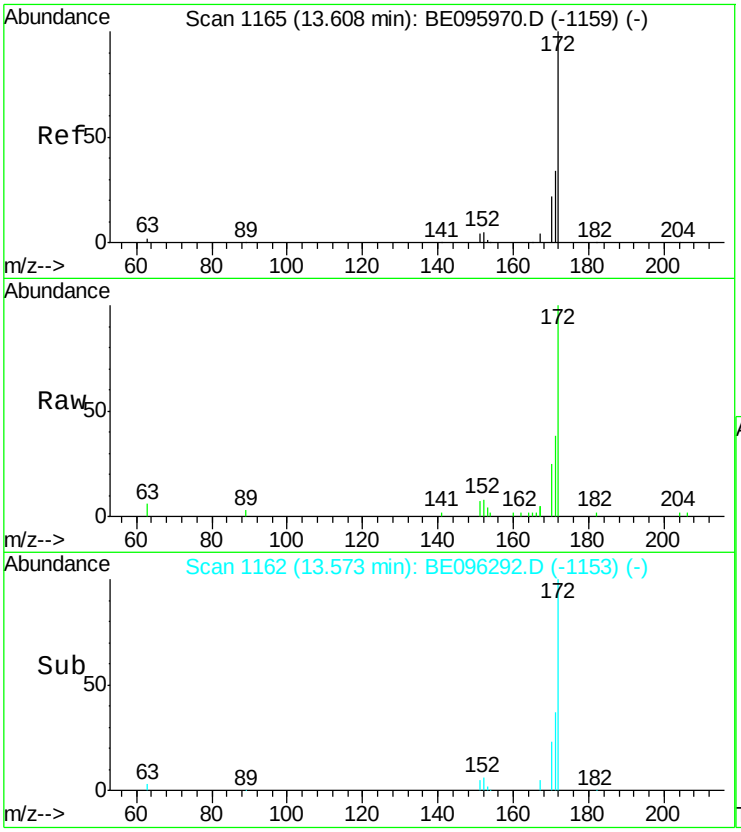


#14
2,4,6-Tribromophenol
Concen: 0.249 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:330 Resp: 176

Ion	Ratio	Lower	Upper
330	100		
332	96.0	152.7	229.1#
141	54.0	33.7	50.5#



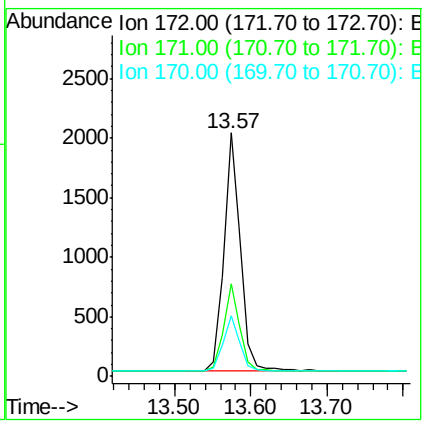


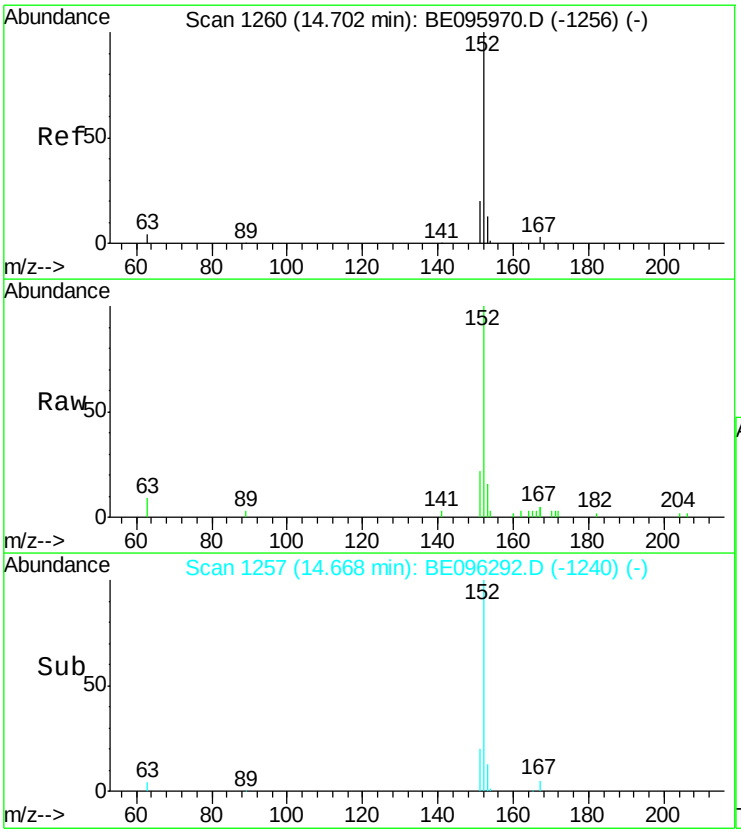
#15
2-Fluorobiphenyl
Concen: 0.493 ng
RT: 13.57 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 3092

Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.9	44.9
170	24.8	21.8	32.8

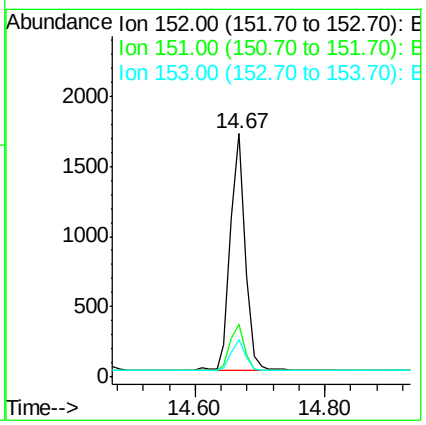


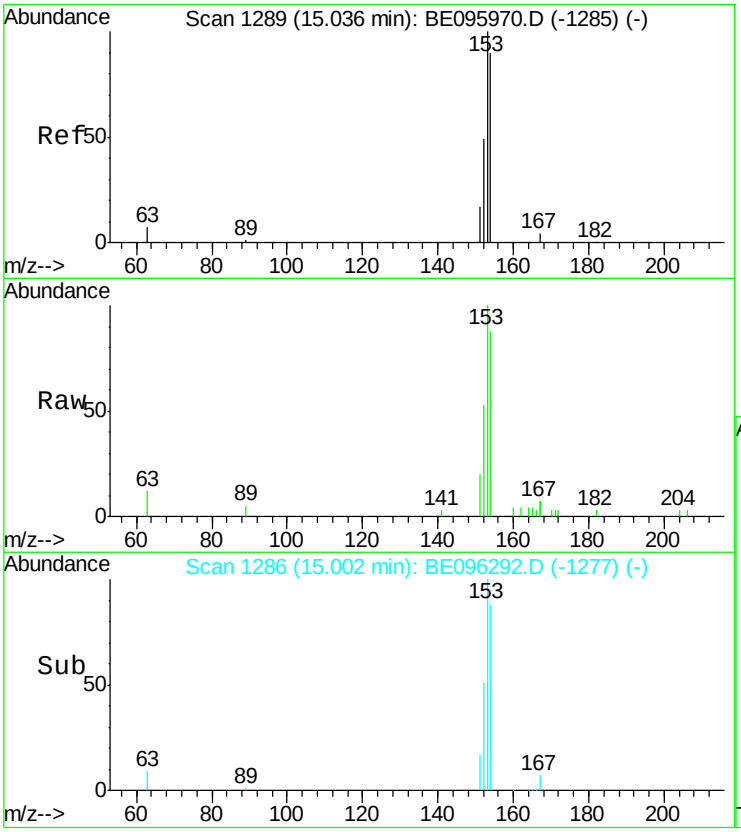


#16
Acenaphthylene
Concen: 0.342 ng
RT: 14.67 min Scan# 1257
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:152 Resp: 2681

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.1	10.5	15.7



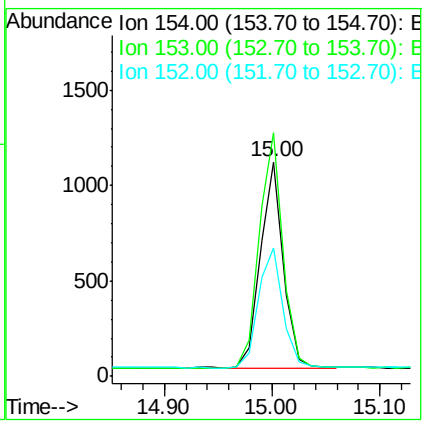


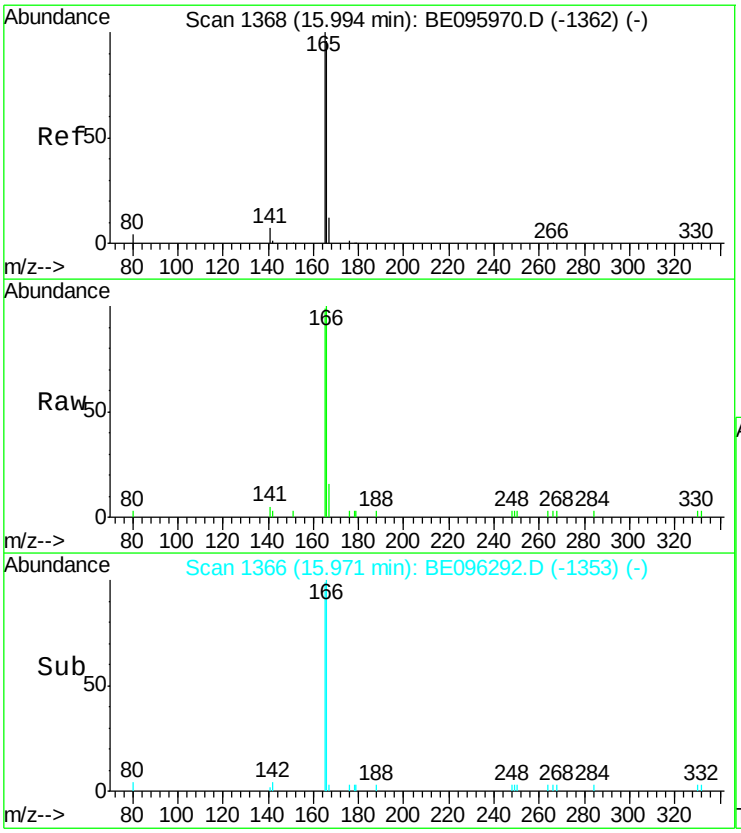
#17
Acenaphthene
Concen: 0.338 ng
RT: 15.00 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1591

Ion	Ratio	Lower	Upper
154	100		
153	117.6	89.2	133.8
152	62.5	42.0	63.0

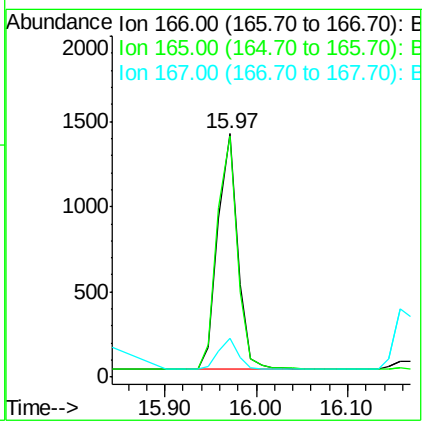


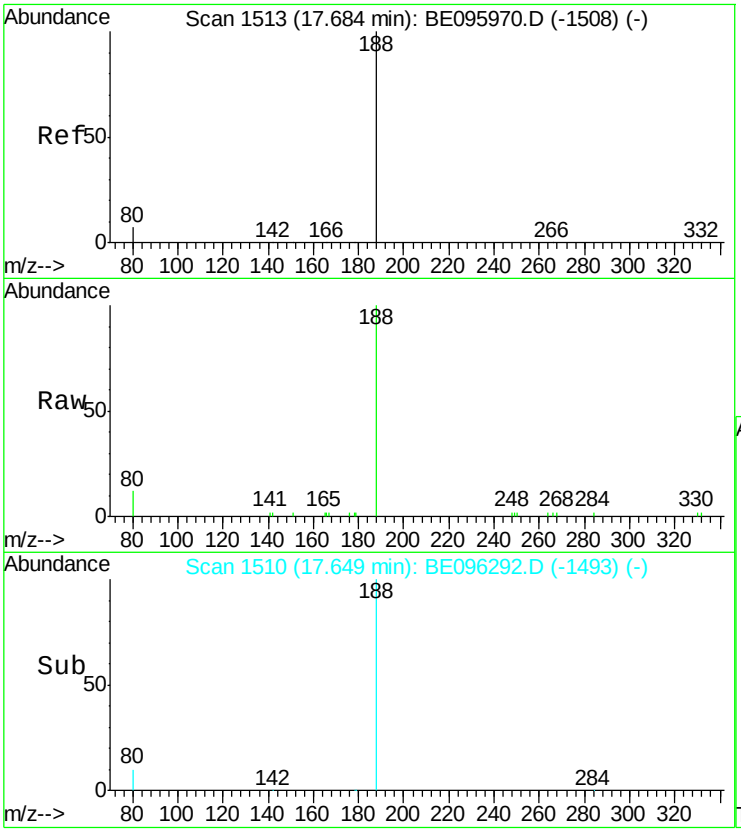


#18
Fluorene
Concen: 0.365 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:166 Resp: 2124

Ion	Ratio	Lower	Upper
166	100		
165	121.1	77.8	116.6#
167	13.0	42.4	63.6#



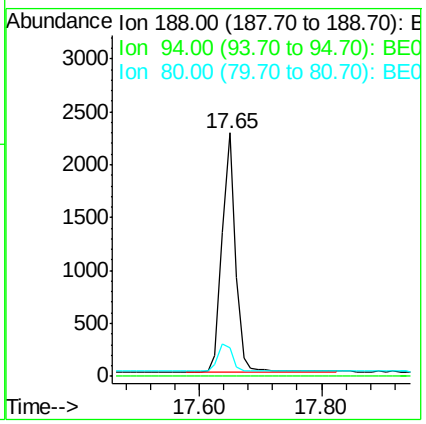


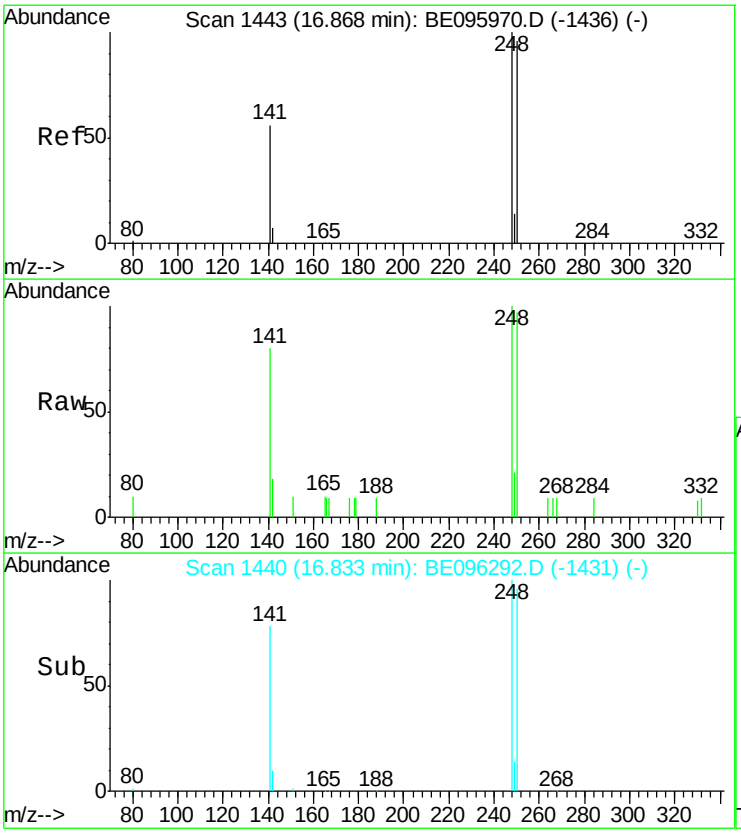
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.65 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 3427

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.7	3.6	5.4#

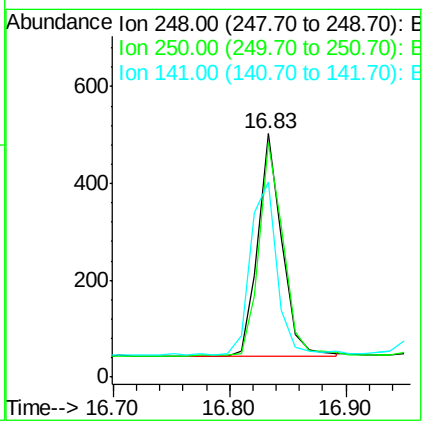


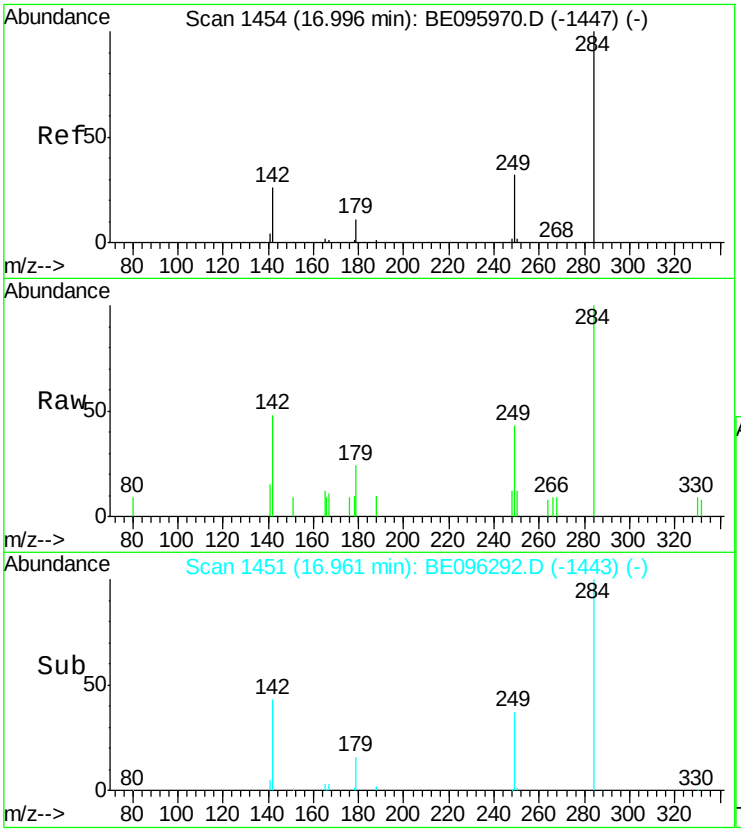


#20
4-Bromophenyl-phenylether
Concen: 0.325 ng
RT: 16.83 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:248 Resp: 662

Ion	Ratio	Lower	Upper
248	100		
250	96.6	62.7	94.1#
141	80.1	48.2	72.2#



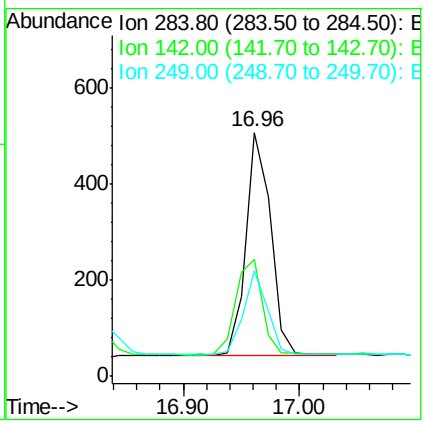


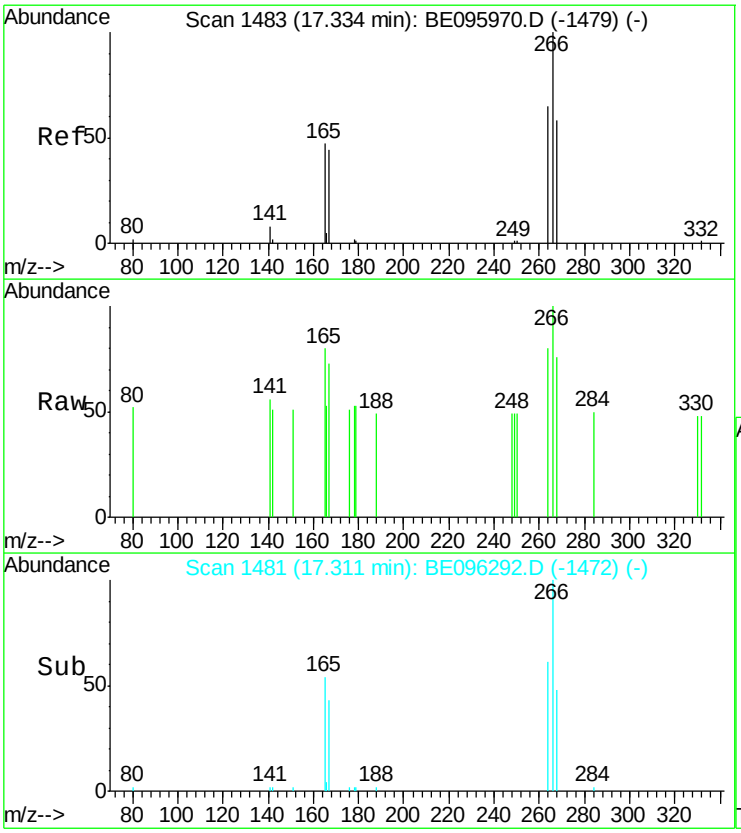
#21
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.96 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 695

Ion	Ratio	Lower	Upper
284	100		
142	46.8	22.1	33.1#
249	36.4	34.8	52.2

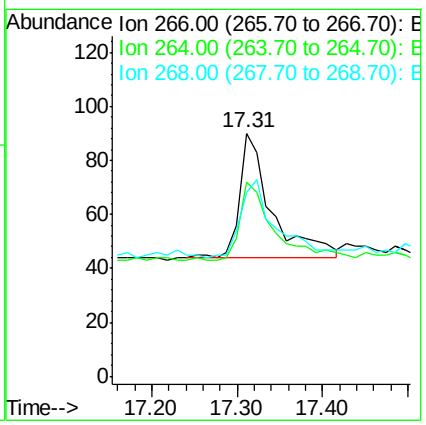


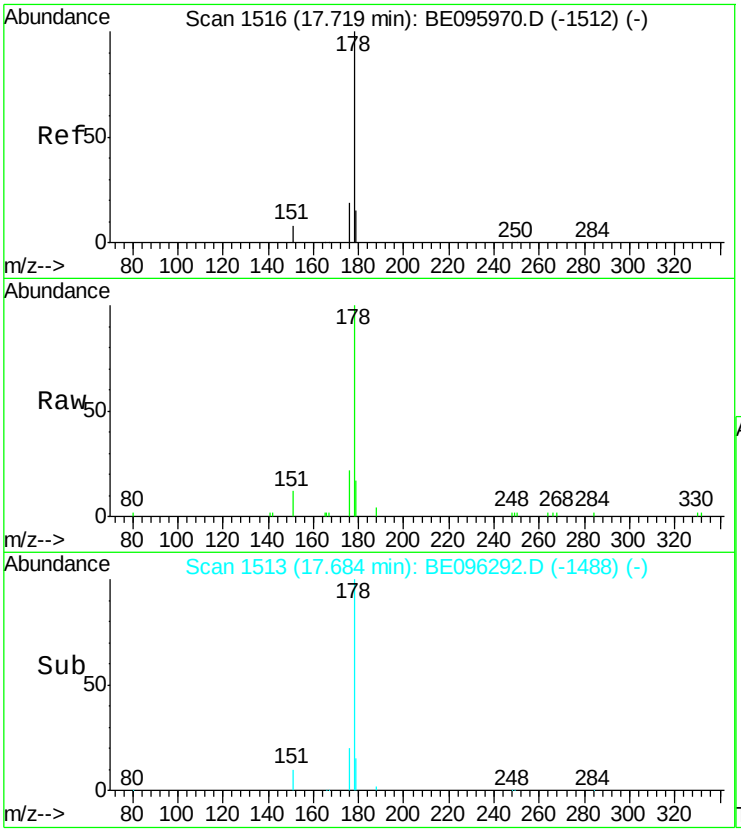


#22
Pentachlorophenol
Concen: 0.263 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:266 Resp: 119

Ion	Ratio	Lower	Upper
266	100		
264	80.0	72.5	108.7
268	75.6	73.8	110.6



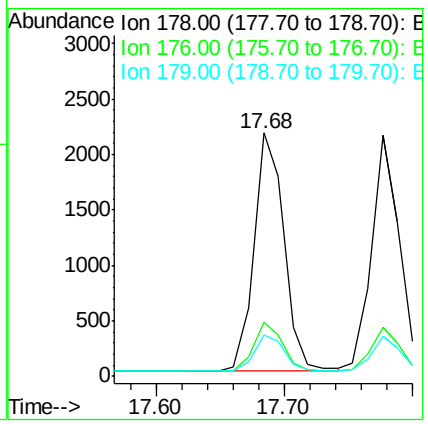


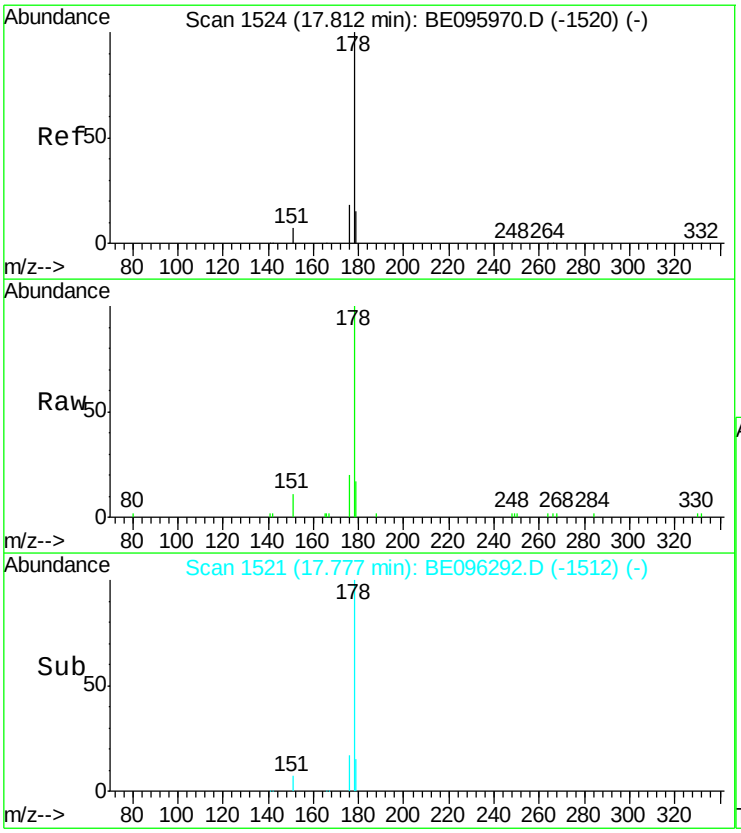
#23
Phenanthrene
Concen: 0.363 ng
RT: 17.68 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 3498

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	14.6	11.8	17.6

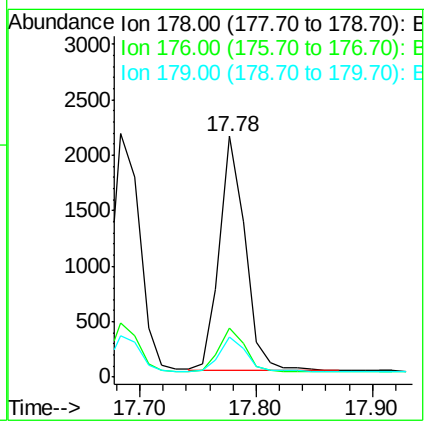


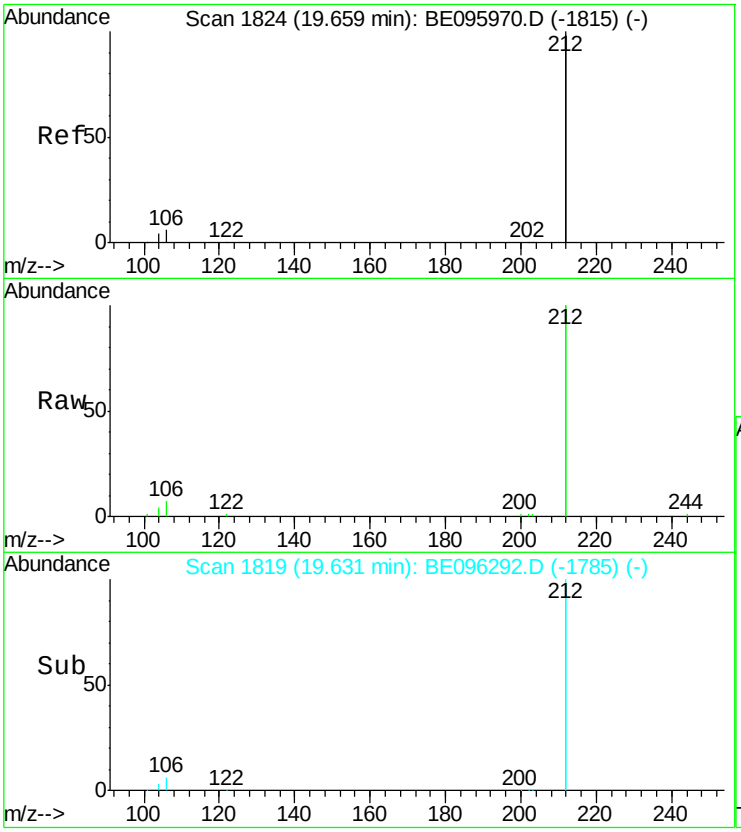


#24
Anthracene
Concen: 0.349 ng
RT: 17.78 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:178 Resp: 3209

Ion	Ratio	Lower	Upper
178	100		
176	19.3	12.8	19.2#
179	15.5	13.0	19.6



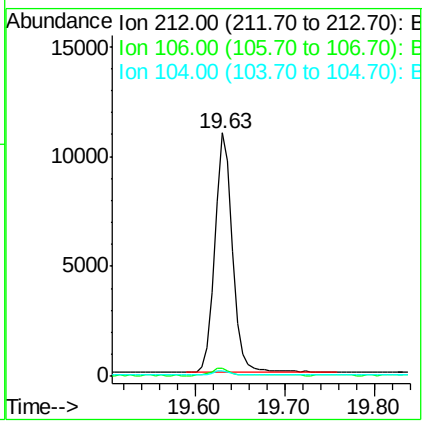


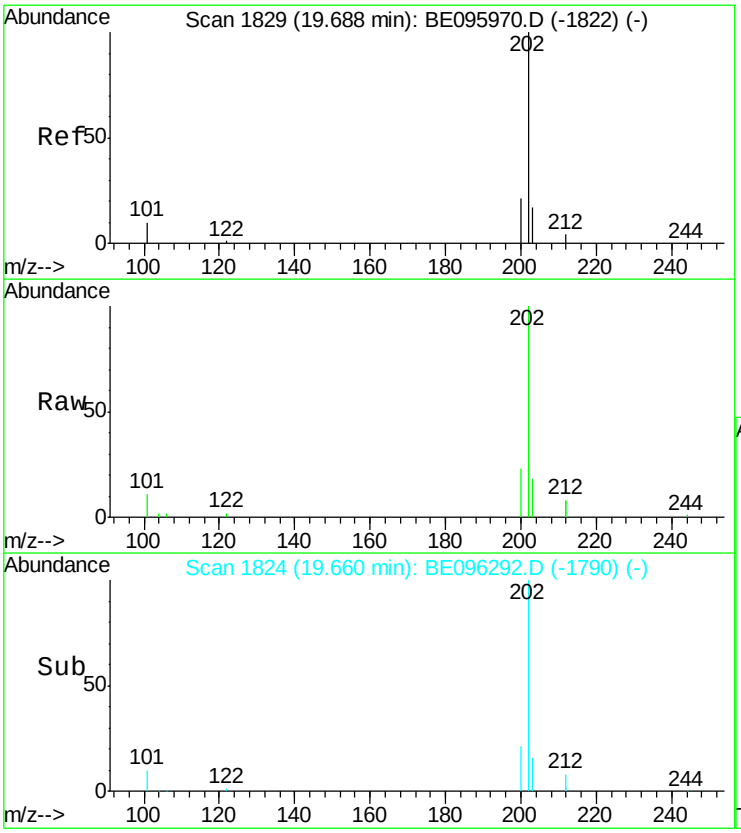
#25
Fluoranthene-d10
Concen: 0.320 ng
RT: 19.63 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 14901

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.8	1.6	2.4

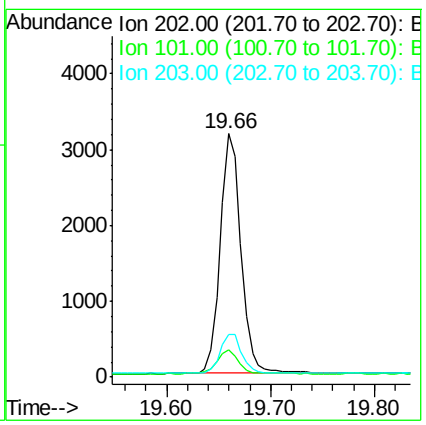


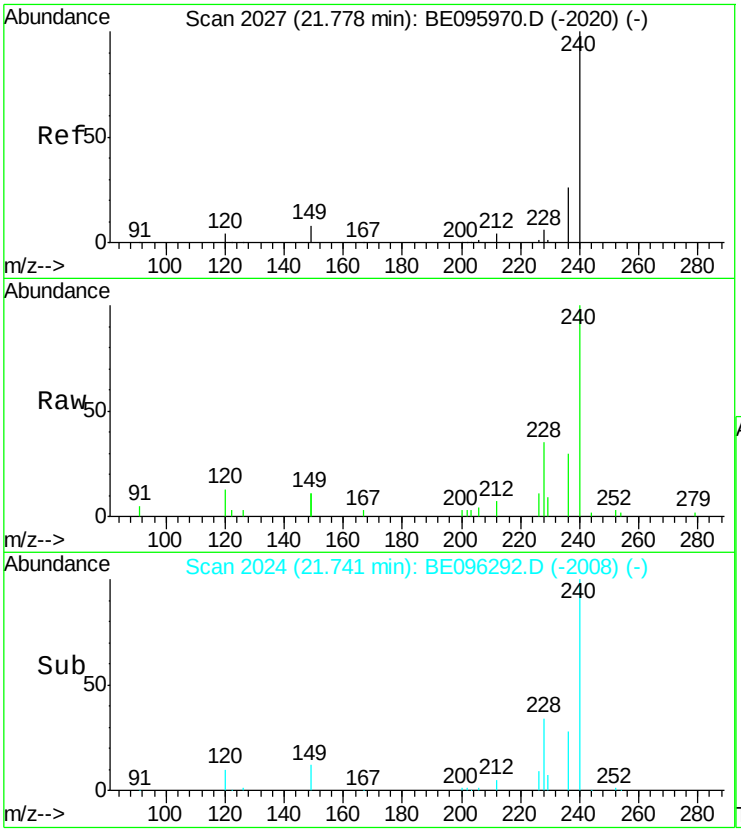


#26
Fluoranthene
Concen: 0.348 ng
RT: 19.66 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:202 Resp: 4404

Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
203	17.0	13.7	20.5



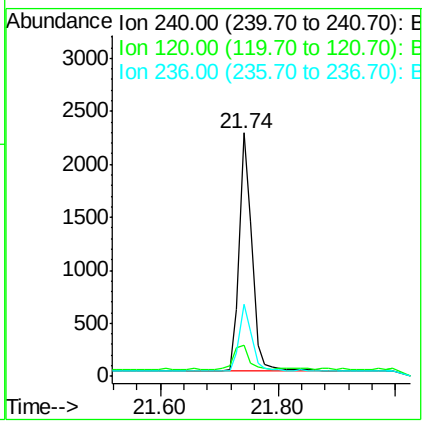


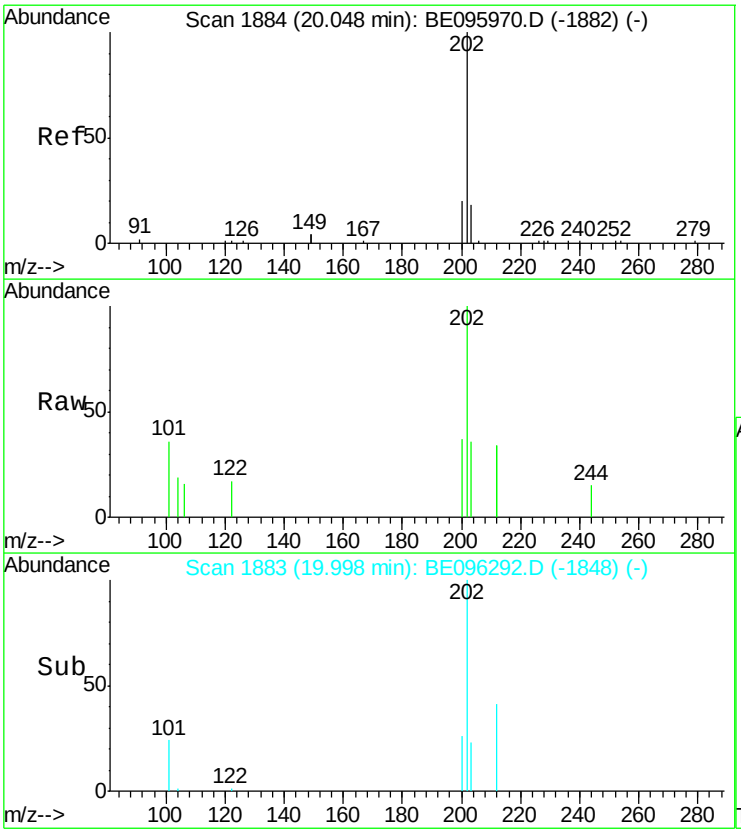
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.74 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 3473

Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.5	8.3#
236	29.6	20.7	31.1

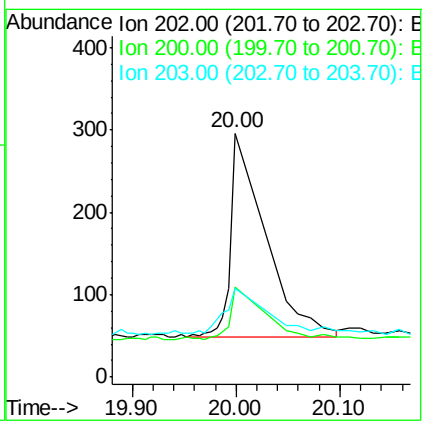


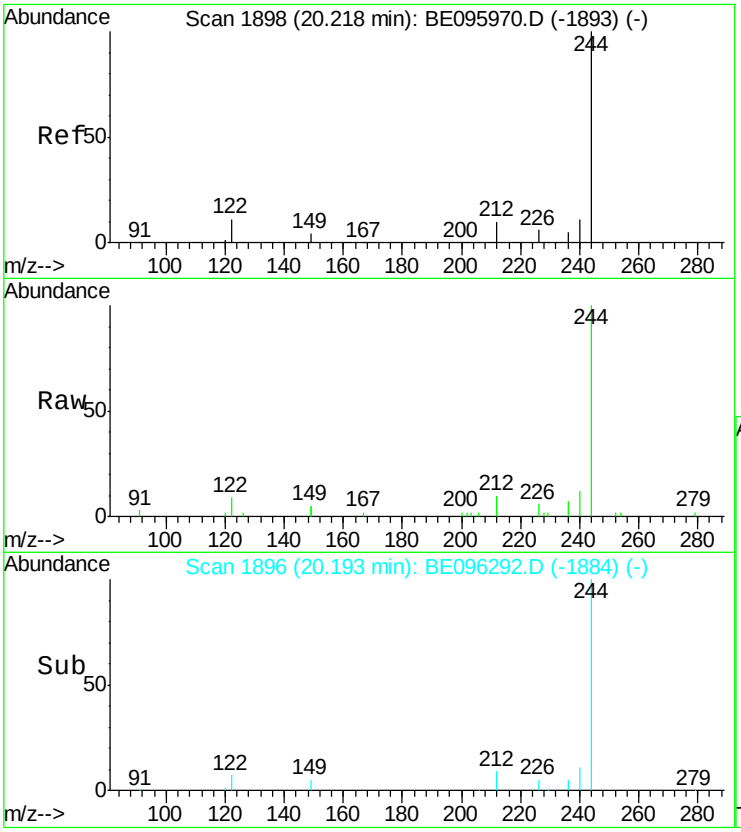


#28
Pyrene
Concen: 0.045 ng
RT: 20.00 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:202 Resp: 309

Ion	Ratio	Lower	Upper
202	100		
200	30.7	16.6	25.0#
203	43.7	13.8	20.8#



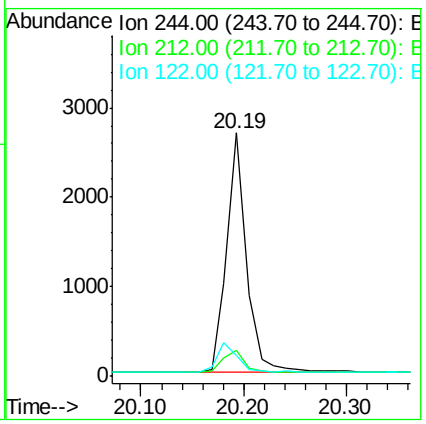


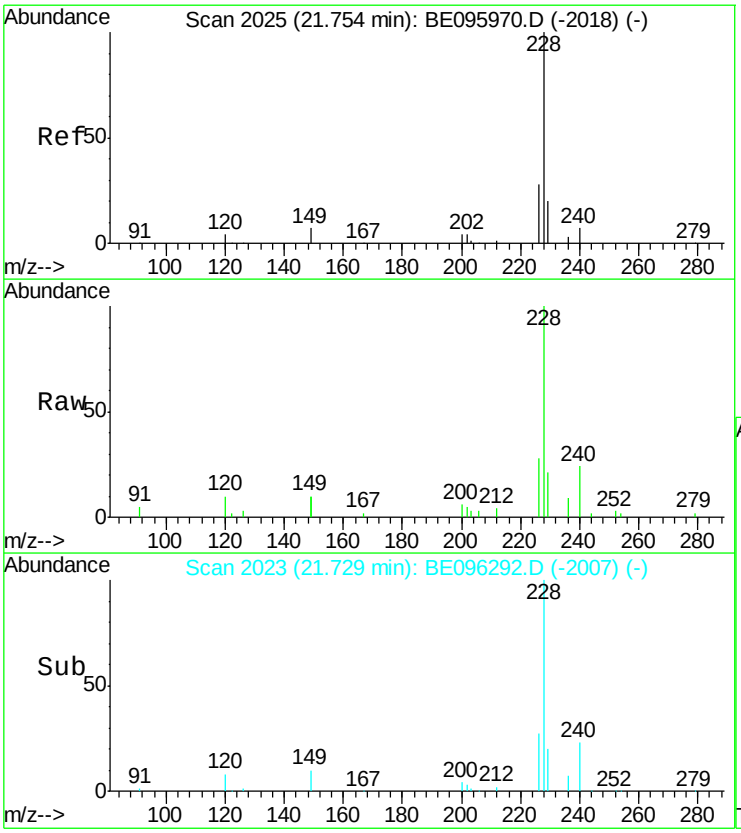
#29
Terphenyl-d14
Concen: 0.463 ng
RT: 20.19 min Scan# 1896
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 3552

Ion	Ratio	Lower	Upper
244	100		
212	10.5	25.4	38.0#
122	8.6	8.1	12.1

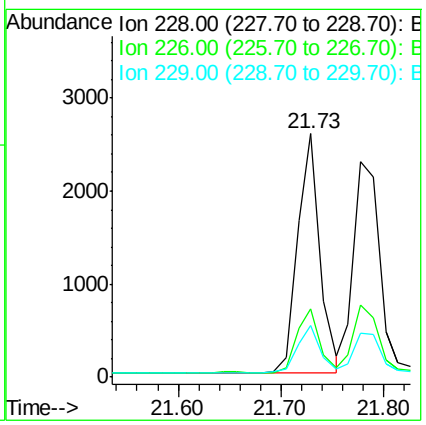


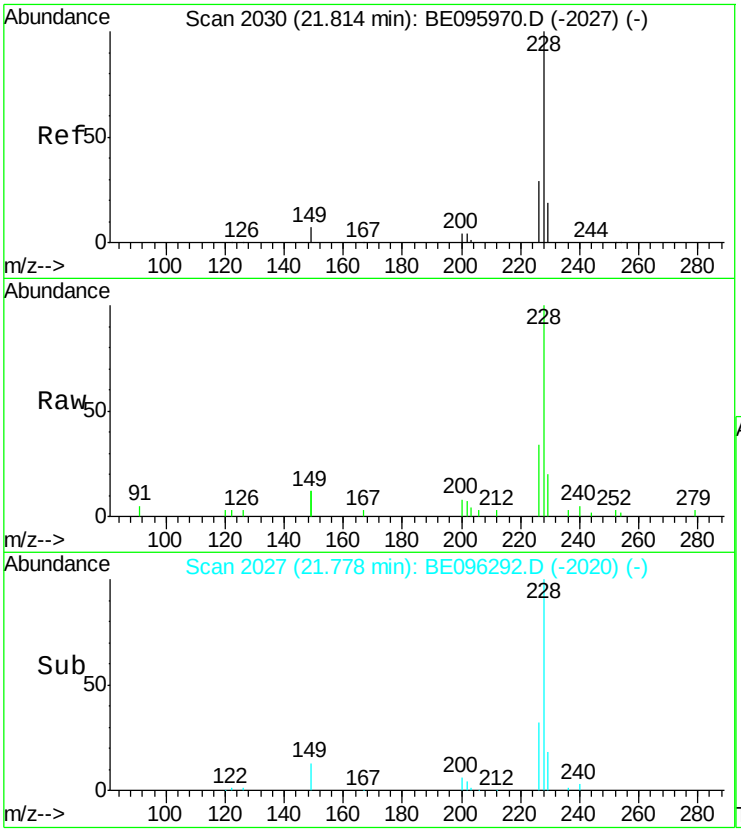


#30
Benzo(a)anthracene
Concen: 0.348 ng
RT: 21.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:228 Resp: 3878

Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.0	36.0
229	21.2	16.0	24.0



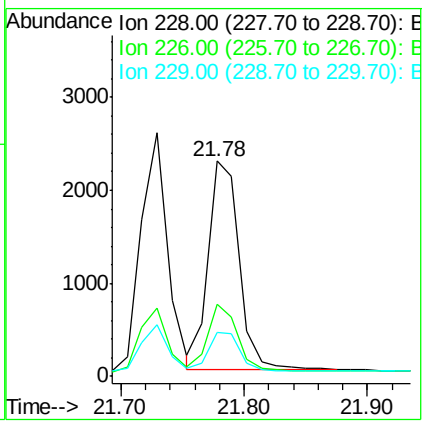


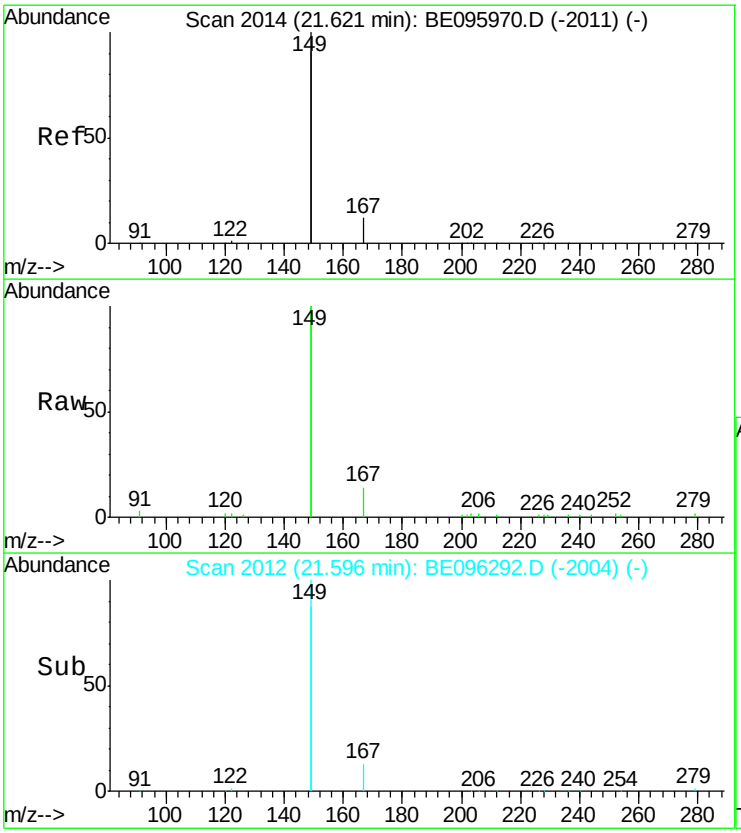
#31
Chrysene
Concen: 0.365 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 3921

Ion	Ratio	Lower	Upper
228	100		
226	33.6	24.0	36.0
229	20.3	16.0	24.0

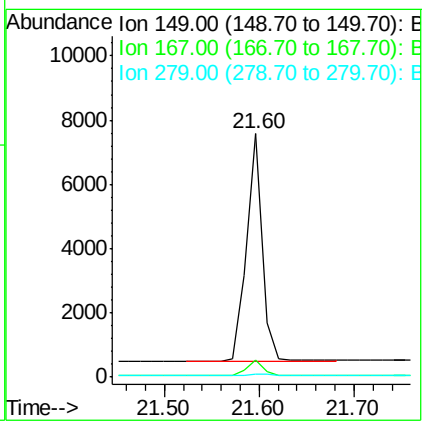


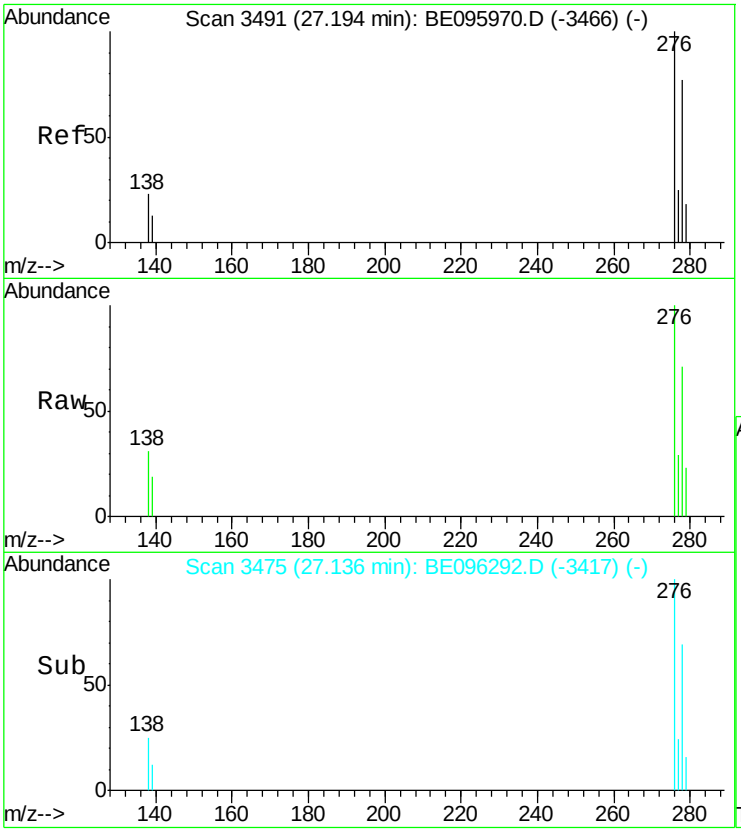


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.291 ng
RT: 21.60 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:149 Resp: 8372

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	0.7	0.7	1.1#



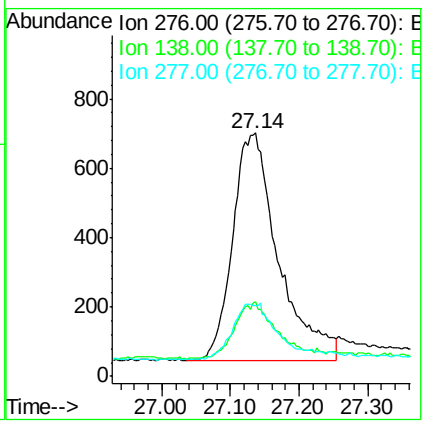


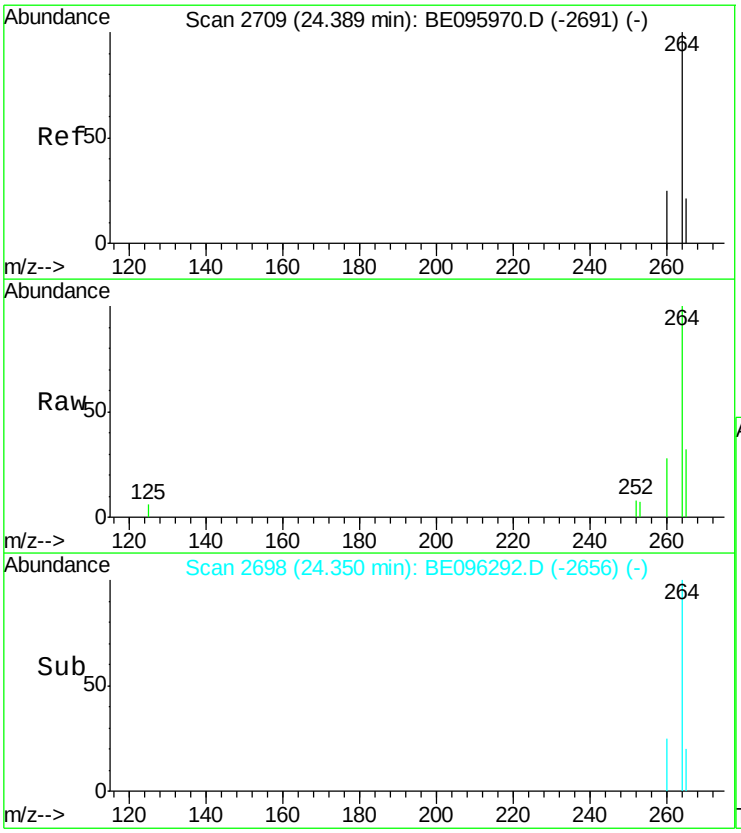
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.291 ng
RT: 27.14 min Scan# 3475
Delta R.T. 0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 3031

Ion	Ratio	Lower	Upper
276	100		
138	22.5	22.5	33.7
277	11.3	19.9	29.9#

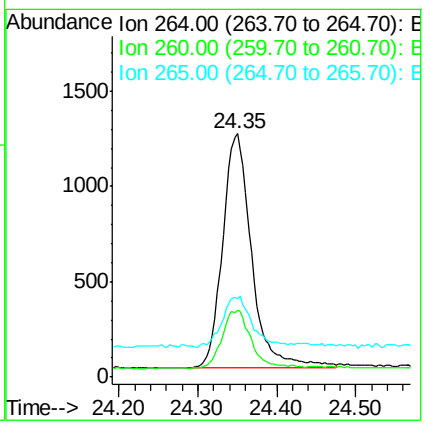


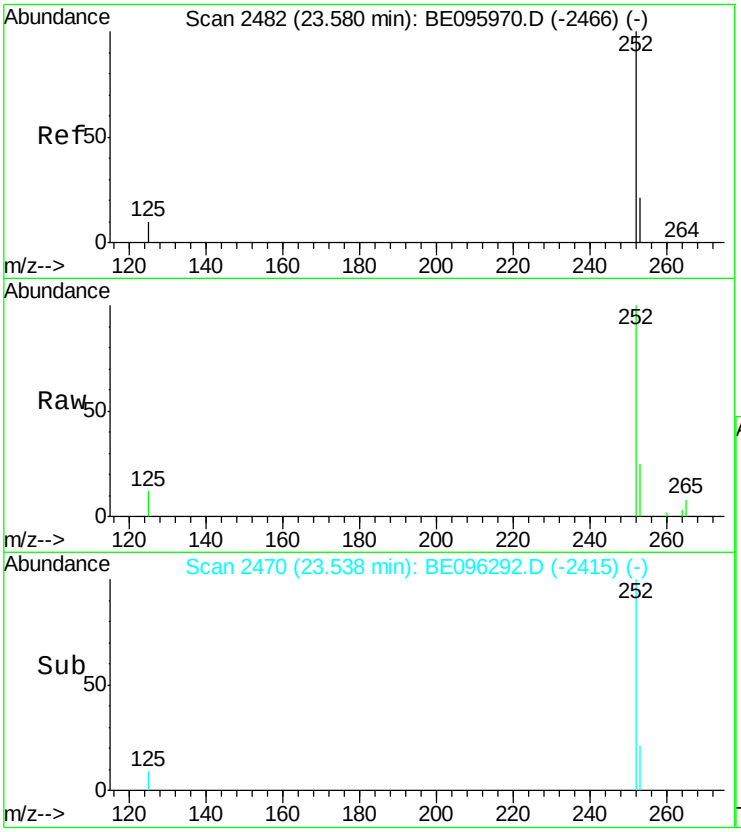


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2698
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:264 Resp: 3135

Ion	Ratio	Lower	Upper
264	100		
260	27.6	20.5	30.7
265	32.3	22.8	34.2



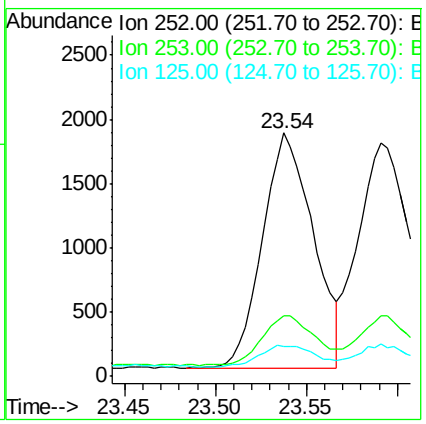


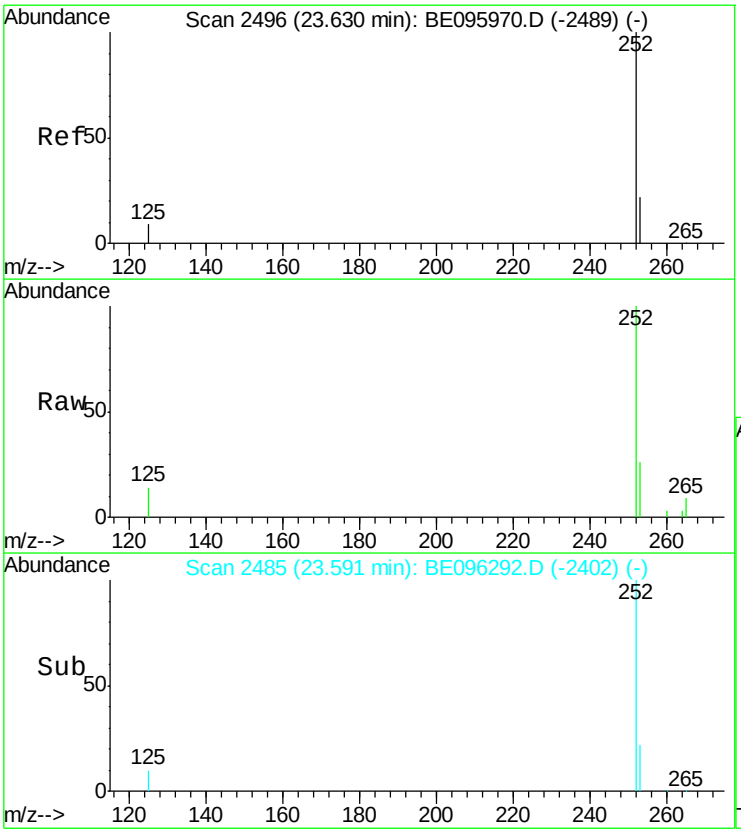
#35
Benzo(b)fluoranthene
Concen: 0.378 ng
RT: 23.54 min Scan# 2470
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3554

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.0	30.0
125	12.4	16.0	24.0#

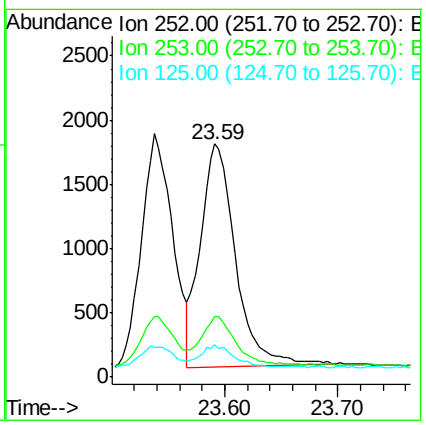


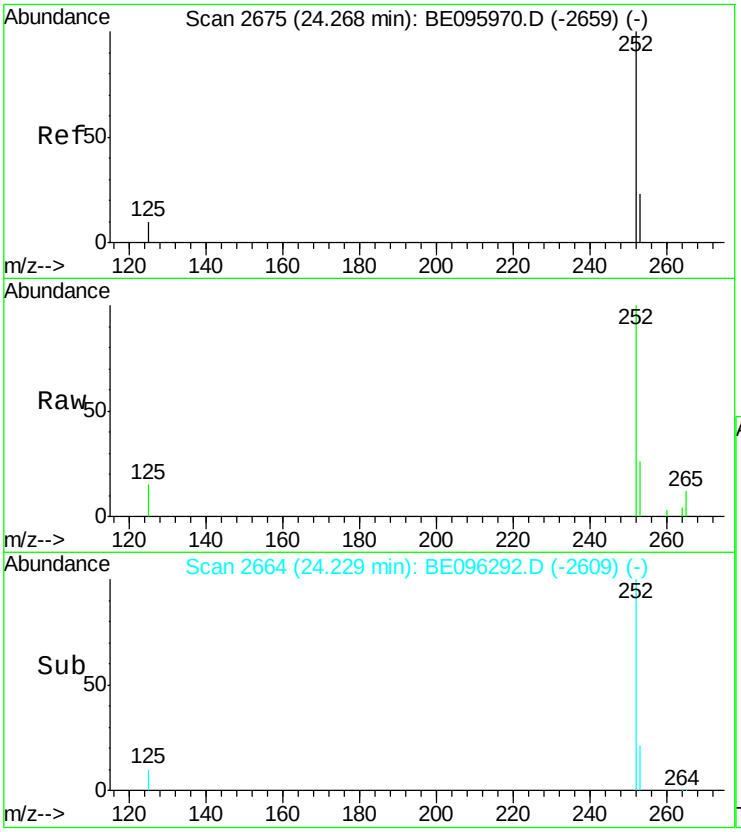


#36
Benzo(k)fluoranthene
Concen: 0.387 ng
RT: 23.59 min Scan# 2485
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:252 Resp: 3744

Ion	Ratio	Lower	Upper
252	100		
253	25.9	16.0	24.0#
125	13.9	8.0	12.0#



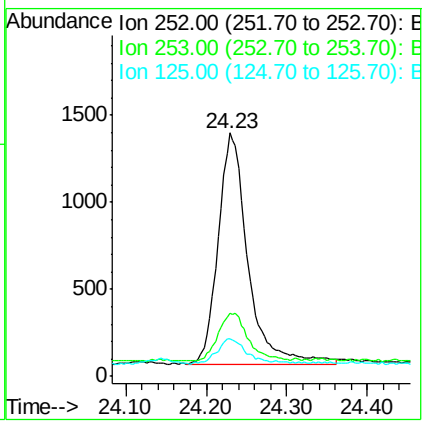


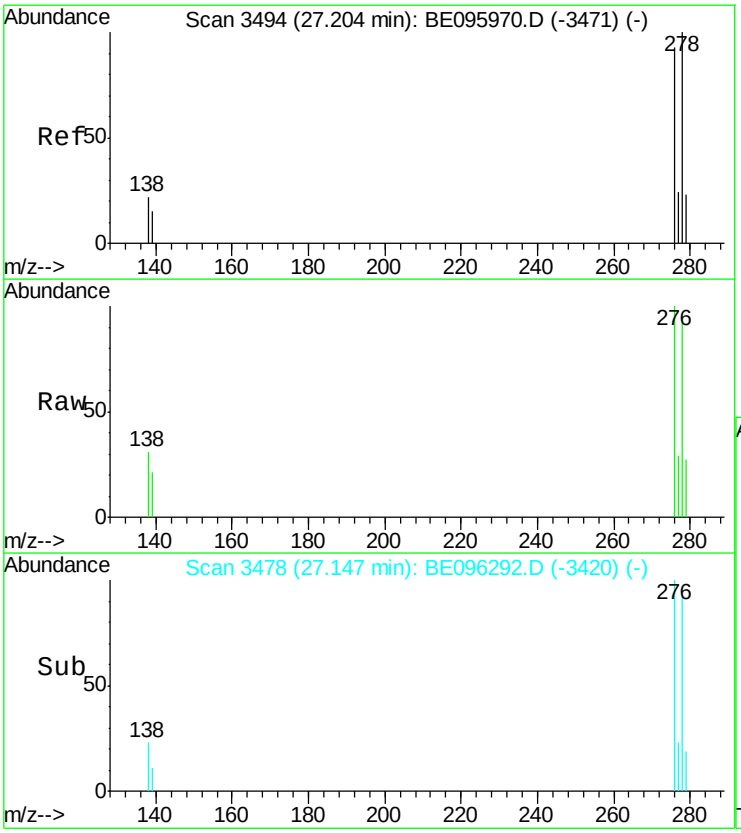
#37
Benzo(a)pyrene
Concen: 0.374 ng
RT: 24.23 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3384

Ion	Ratio	Lower	Upper
252	100		
253	26.2	16.0	24.0#
125	15.2	12.0	18.0

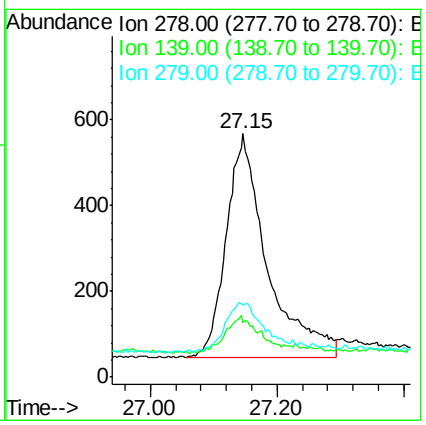


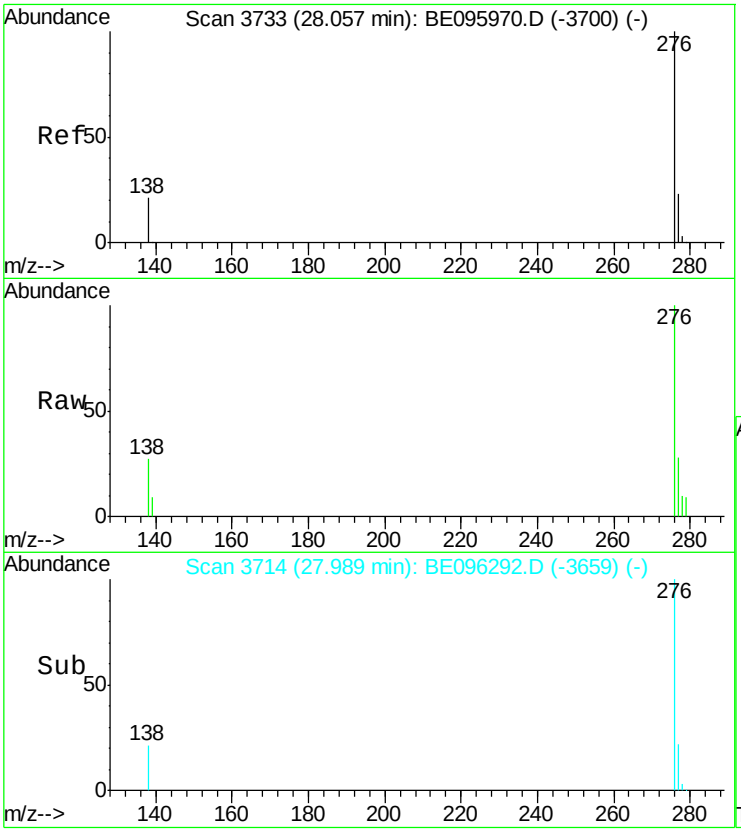


#38
Dibenzo(a,h)anthracene
Concen: 0.291 ng
RT: 27.15 min Scan# 3478
Delta R.T. 0.01 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:278 Resp: 2321

Ion	Ratio	Lower	Upper
278	100		
139	22.2	16.0	24.0
279	29.6	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.323 ng
RT: 27.99 min Scan# 3714
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 2720

Ion	Ratio	Lower	Upper
276	100		
277	28.3	16.0	24.0#
138	27.1	20.0	30.0