Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
Data File : BE096916.D
Acq On : 13 Jul 2018 20:58
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jul 13 22:58:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 13 17:02:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	2376	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	12583	0.40	ng		0.01
13) Acenaphthene-d10	14.03	164	6775	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	15668	0.40	ng		0.01
27) Chrysene-d12	20.98	240	14511	0.40	ng		0.00
34) Perylene-d12	23.21	264	15244	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	2423	0.46	ng		0.00
5) Phenol-d6	6.59	99	3745	0.47	ng		0.00
8) Nitrobenzene-d5	8.52	82	3689	0.48	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	7258	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	649	0.44	ng		0.00
15) 2-Fluorobiphenyl	12.64	172	9764	0.39	ng		0.00
25) Fluoranthene-d10	18.81	212	56214	0.41	ng		0.00
29) Terphenyl-d14	19.43	244	10590	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	1264	0.355	ng	#	89
3) n-Nitrosodimethylamine	3.38	42	1542	0.409	ng	#	91
6) bis(2-Chloroethyl)ether	6.84	93	3361	0.387	ng		95
9) Naphthalene	10.20	128	44443	0.389	ng		100
10) Hexachlorobutadiene	10.50	225	1839	0.387	ng		97
12) 2-Methylnaphthalene	11.81	142	7500	0.396	ng		99
16) Acenaphthylene	13.74	152	11992	0.408	ng		99
17) Acenaphthene	14.08	154	7592	0.391	ng		95
18) Fluorene	15.08	166	8531	0.374	ng	#	81
20) 4-Bromophenyl-phenylether	15.98	248	2898	0.410	ng	#	76
21) Hexachlorobenzene	16.09	284	3250	0.404	ng	#	80
22) Pentachlorophenol	16.43	266	456	0.385	ng	#	76
23) Phenanthrene	16.81	178	15093	0.392	ng		98
24) Anthracene	16.91	178	13212	0.414	ng		96
26) Fluoranthene	18.84	202	16192	0.416	ng		99
28) Pyrene	19.21	202	16494	0.393	ng		98
30) Benzo(a)anthracene	20.97	228	13591	0.423	ng		95
31) Chrysene	21.01	228	14813	0.373	ng		99
32) Bis(2-ethylhexyl)phthalate	20.93	149	17094	0.594	ng		100
33) Indeno(1,2,3-cd)pyrene	25.51	276	14380	0.487	ng		96
35) Benzo(b)fluoranthene	22.54	252	13392	0.322	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	15082	0.342	ng		97
37) Benzo(a)pyrene	23.11	252	12290	0.372	ng	#	93
38) Dibenzo(a,h)anthracene	25.53	278	12021	0.379	ng		97
39) Benzo(g,h,i)perylene	26.21	276	12476	0.338	ng	#	93

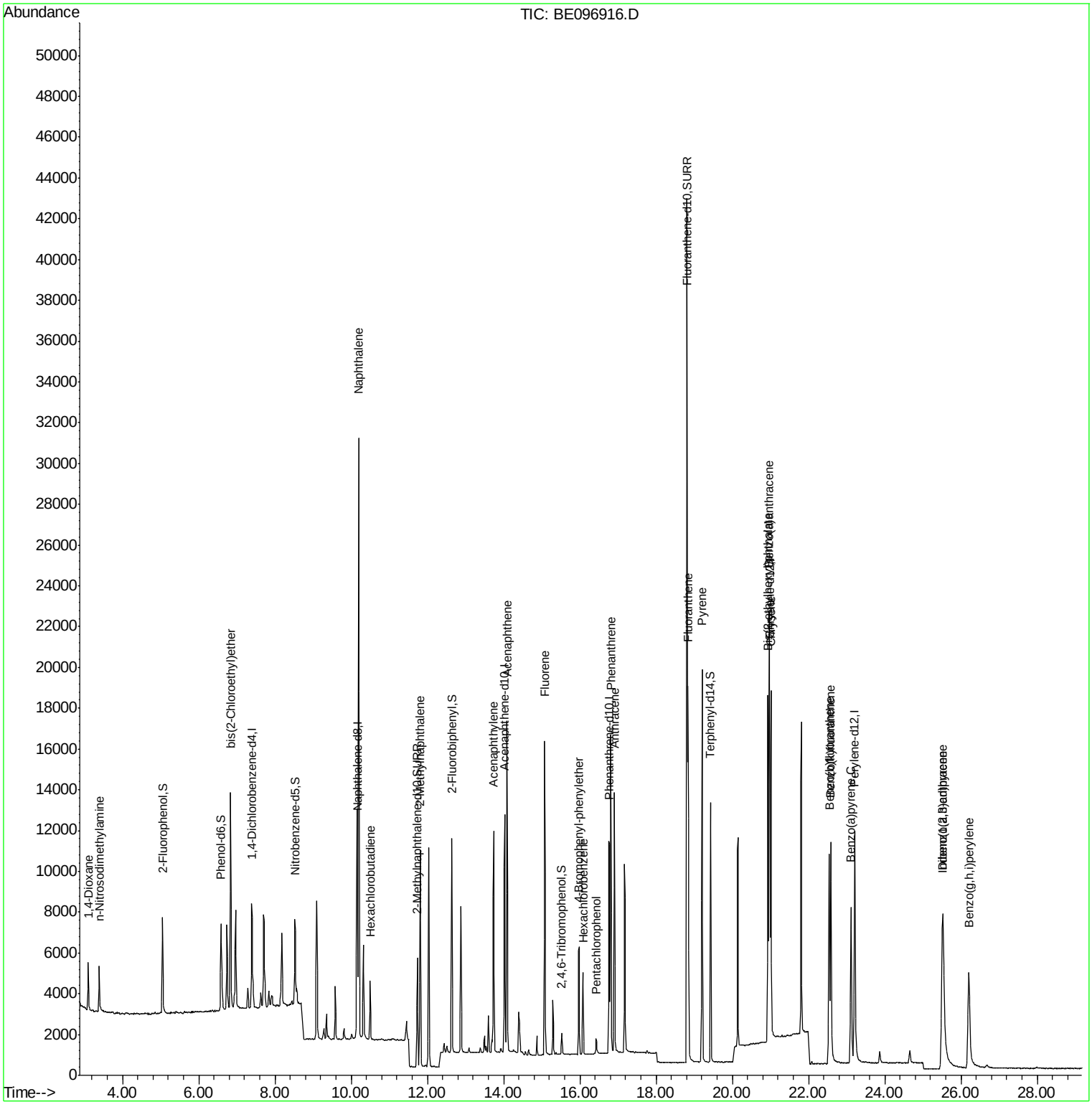
(#) = qualifier out of range (m) = manual integration (+) = signals summed

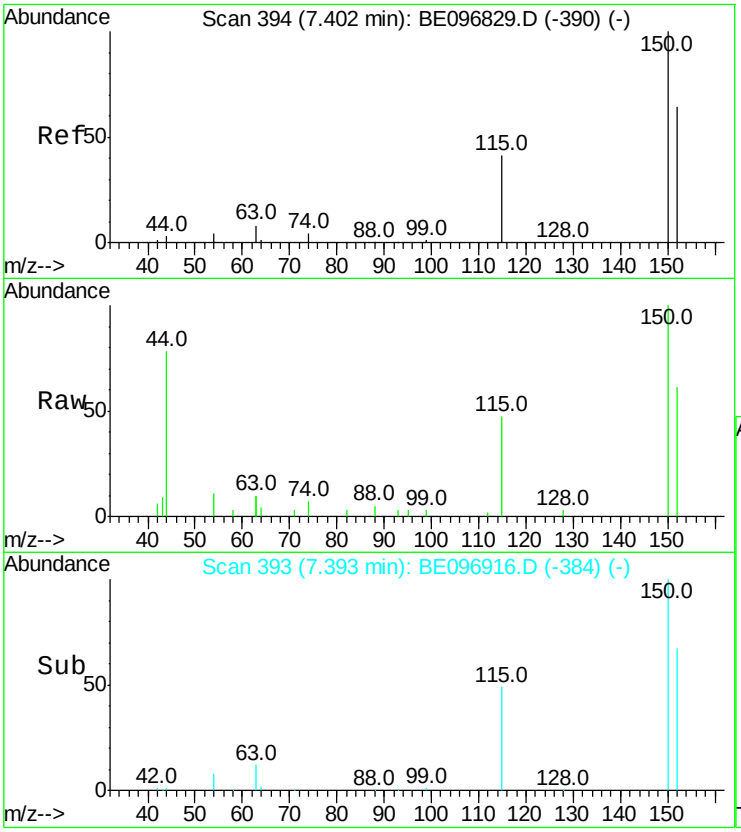
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
Data File : BE096916.D
Acq On : 13 Jul 2018 20:58
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jul 13 22:58:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 13 17:02:57 2018
Response via : Initial Calibration



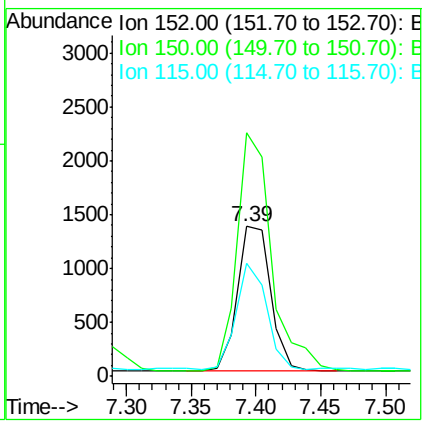


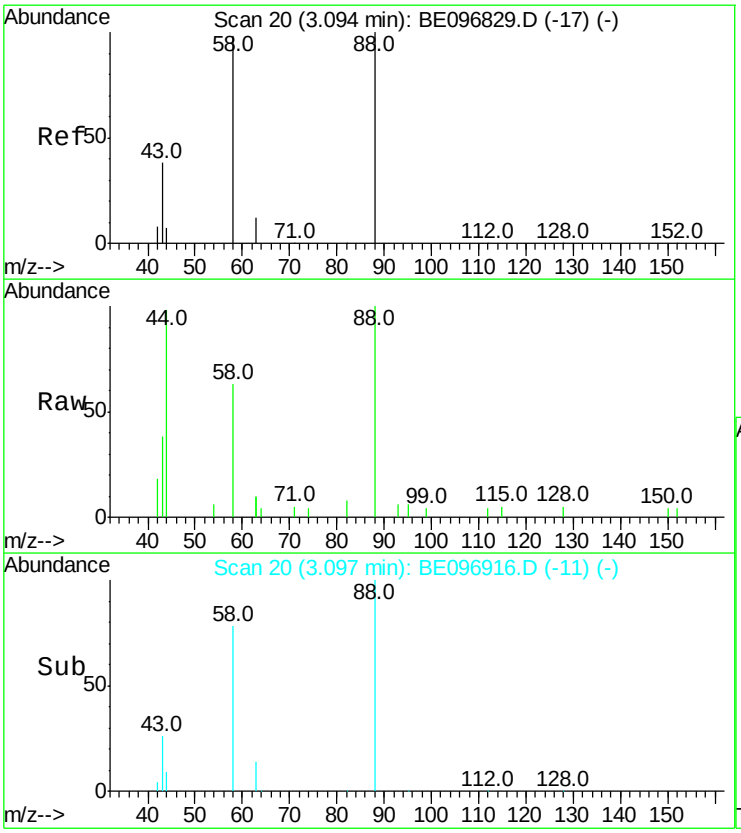
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2376

Ion	Ratio	Lower	Upper
152	100		
150	162.6	117.2	175.8
115	75.7	57.0	85.6

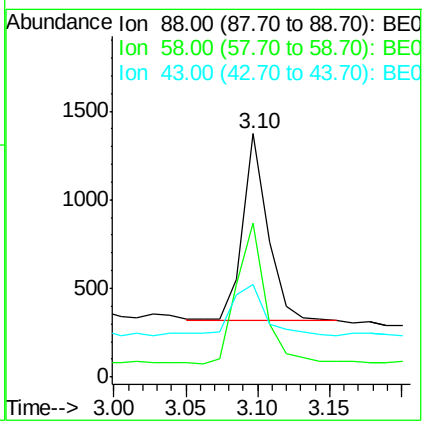


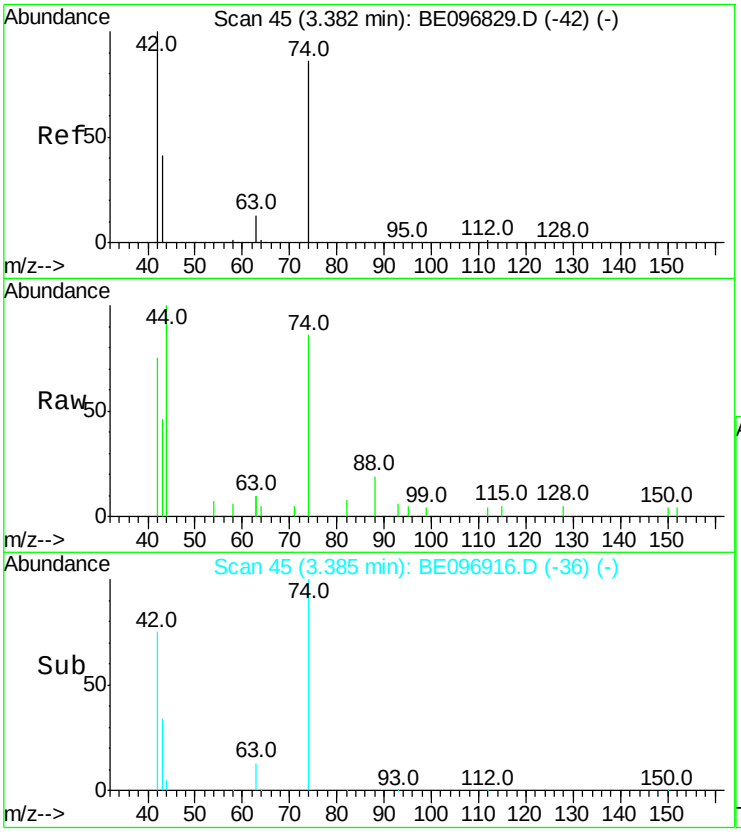


#2
1,4-Dioxane
Concen: 0.355 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion: 88 Resp: 1264

Ion	Ratio	Lower	Upper
88	100		
58	85.0	63.2	94.8
43	39.1	41.2	61.8#



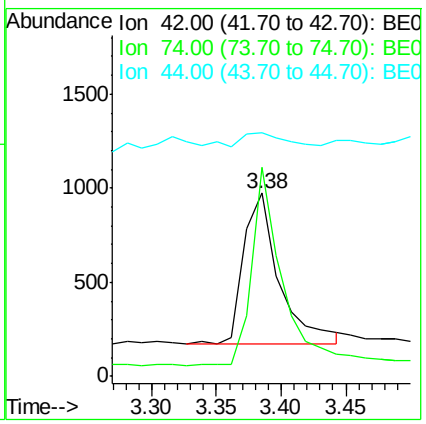


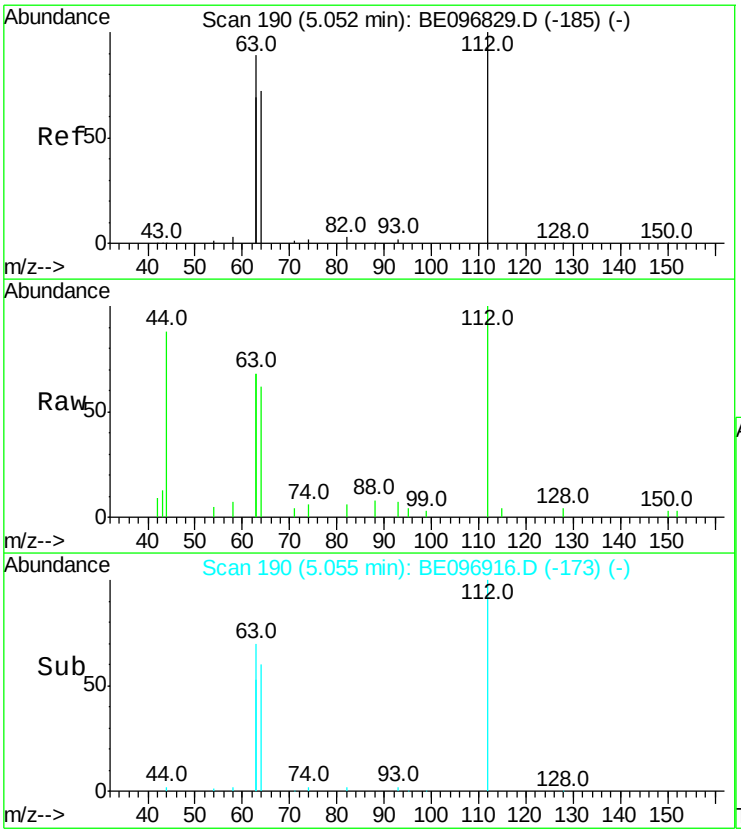
#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1542

Ion	Ratio	Lower	Upper
42	100		
74	110.1	96.0	144.0
44	9.7	12.0	18.0#

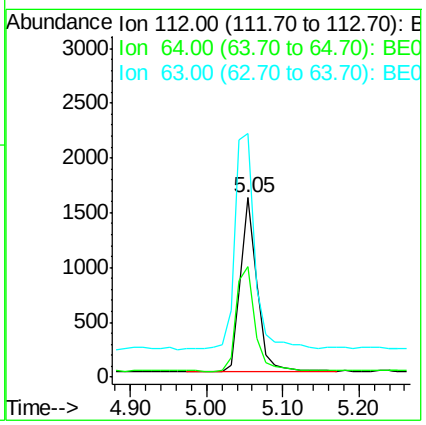


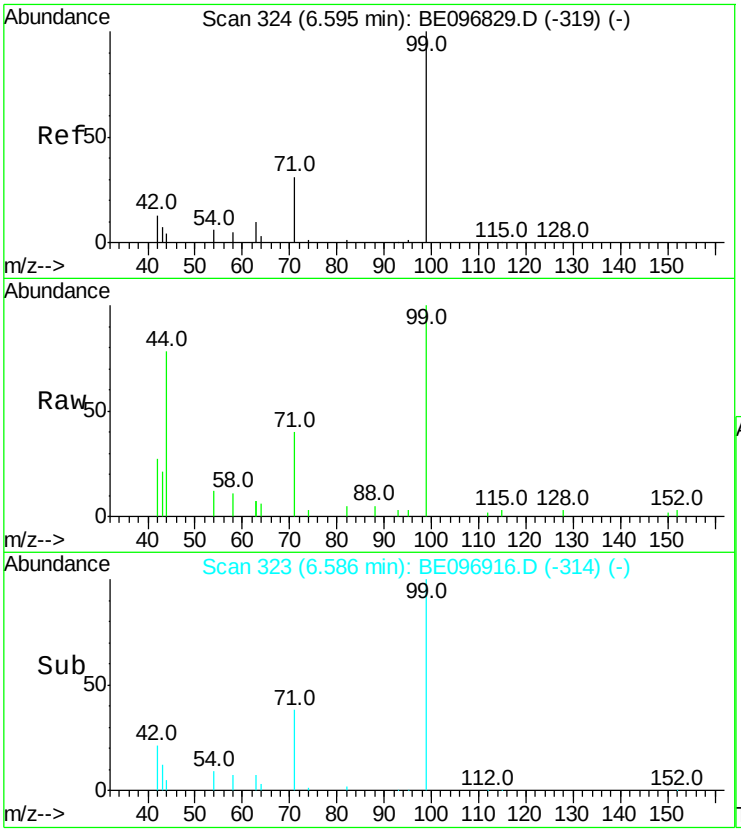


#4
2-Fluorophenol
Concen: 0.456 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:112 Resp: 2423

Ion	Ratio	Lower	Upper
112	100		
64	68.5	60.1	90.1
63	150.8	116.8	175.2



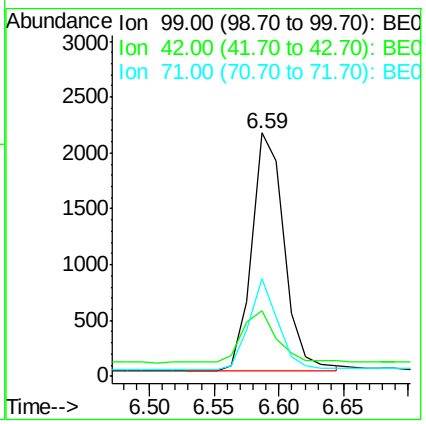


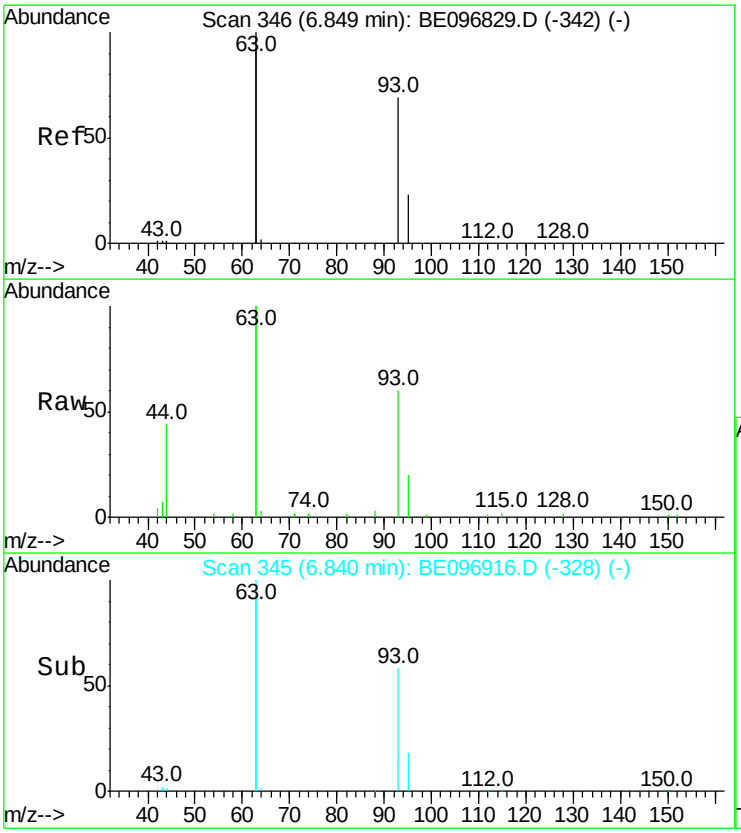
#5
Phenol-d6
Concen: 0.473 ng
RT: 6.59 min Scan# 323
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3745

Ion	Ratio	Lower	Upper
99	100		
42	23.3	20.2	30.2
71	33.9	28.4	42.6

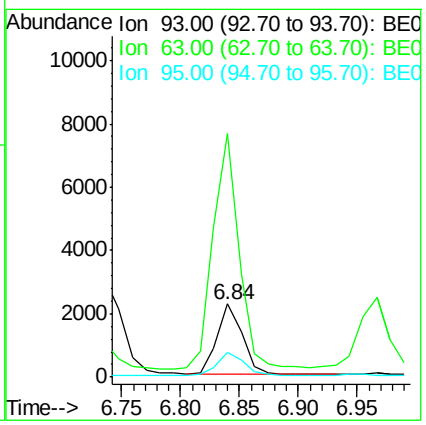


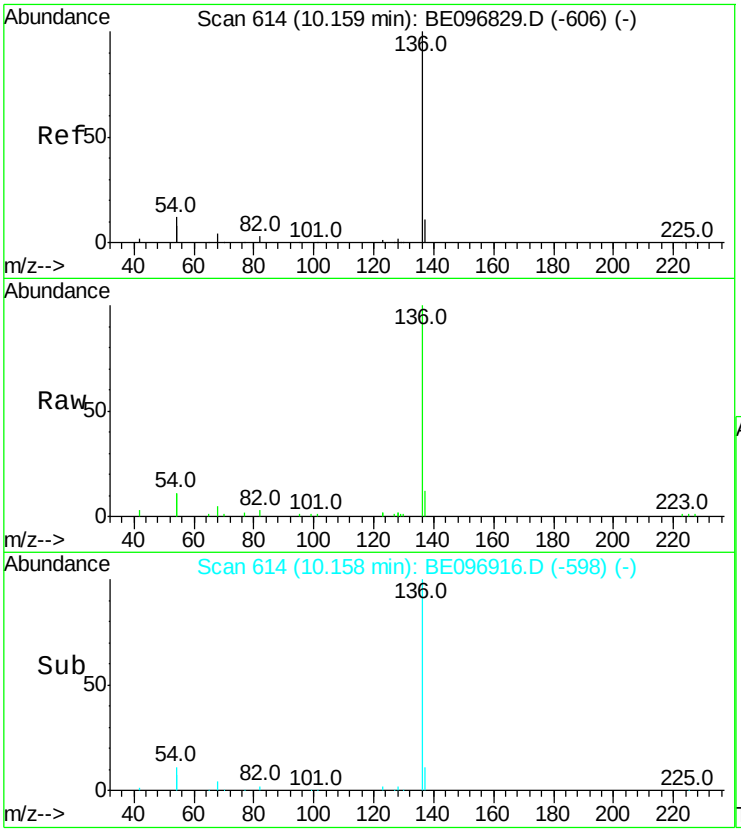


#6
bis(2-Chloroethyl)ether
Concen: 0.387 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion: 93 Resp: 3361

Ion	Ratio	Lower	Upper
93	100		
63	332.6	275.3	412.9
95	32.6	25.2	37.8



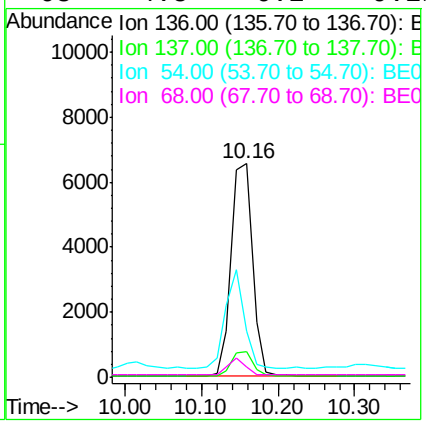


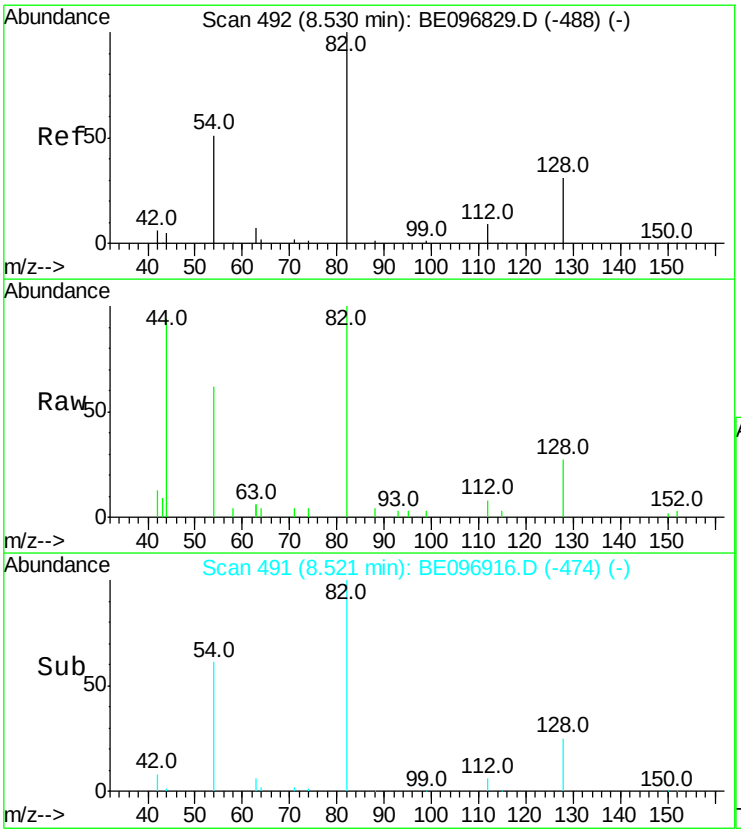
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. 0.01 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 12583

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	21.8	29.1	43.7#
68	4.5	6.2	9.2#

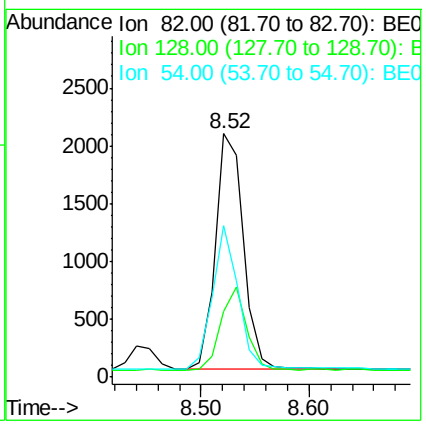


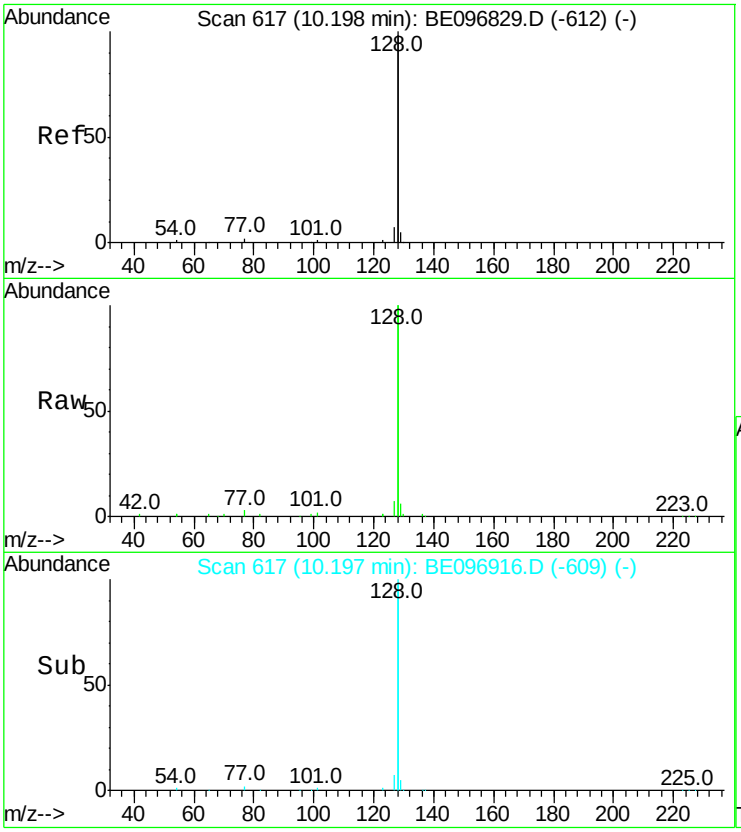


#8
Nitrobenzene-d5
Concen: 0.484 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion: 82 Resp: 3689

Ion	Ratio	Lower	Upper
82	100		
128	26.9	24.0	36.0
54	62.4	40.0	60.0#



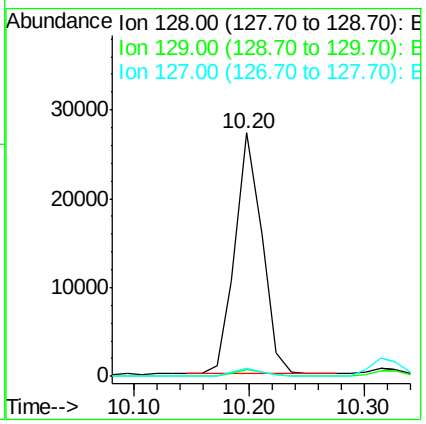


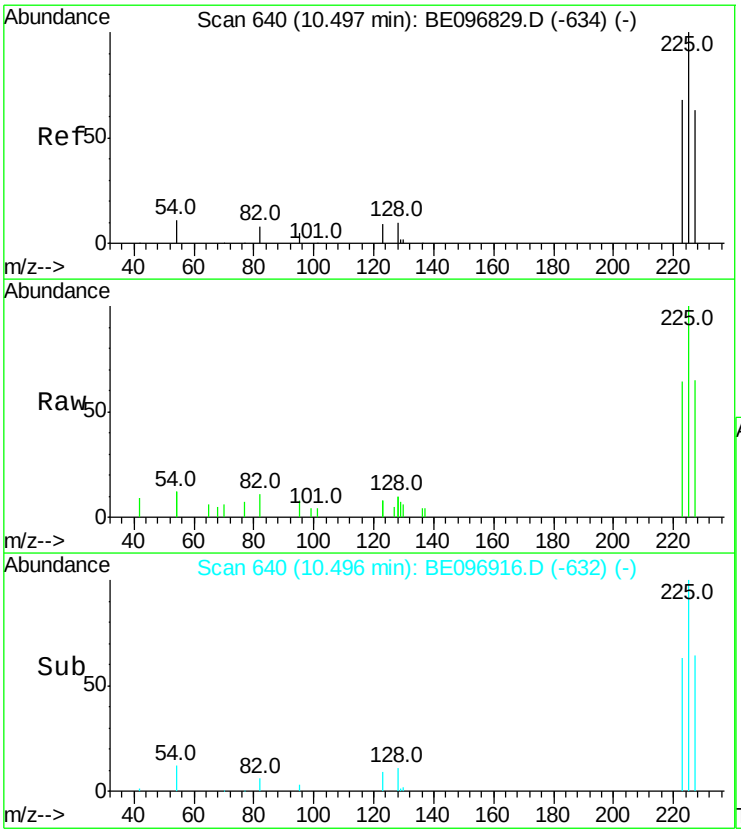
#9
Naphthalene
Concen: 0.389 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 44443

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.5	2.8	4.2

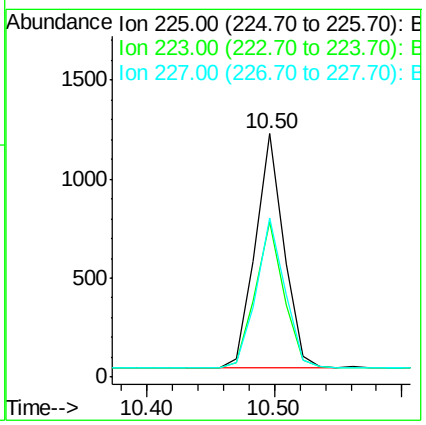


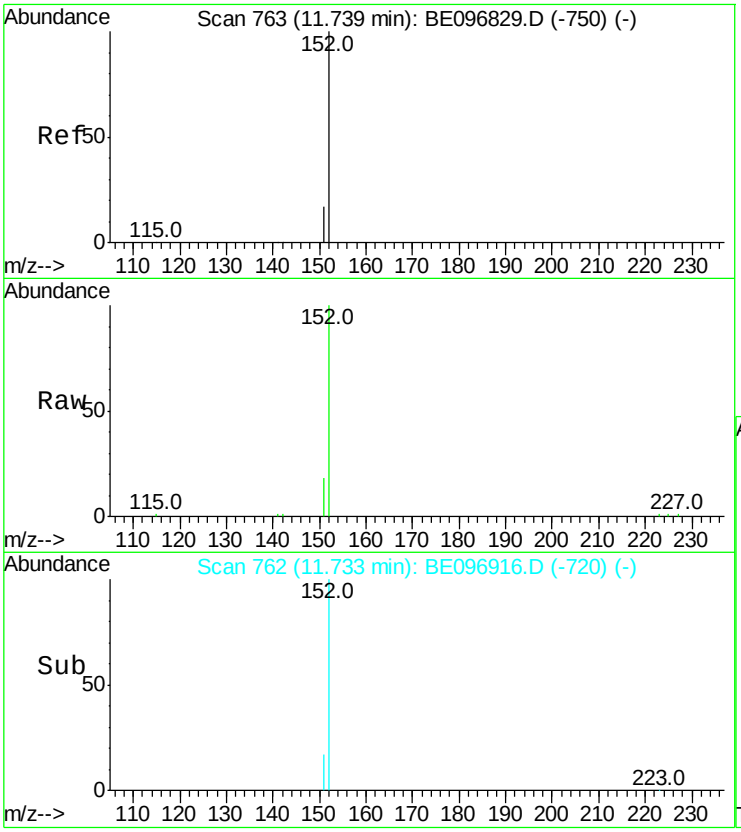


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.50 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:225 Resp: 1839

Ion	Ratio	Lower	Upper
225	100		
223	62.4	53.0	79.6
227	63.6	51.4	77.2



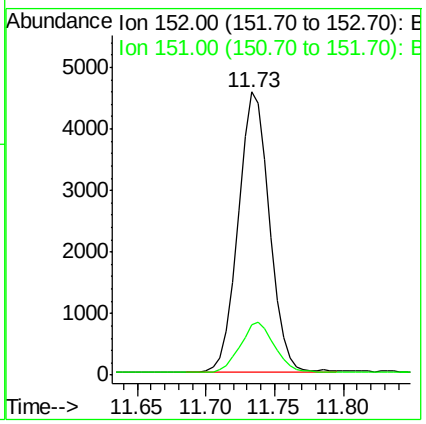


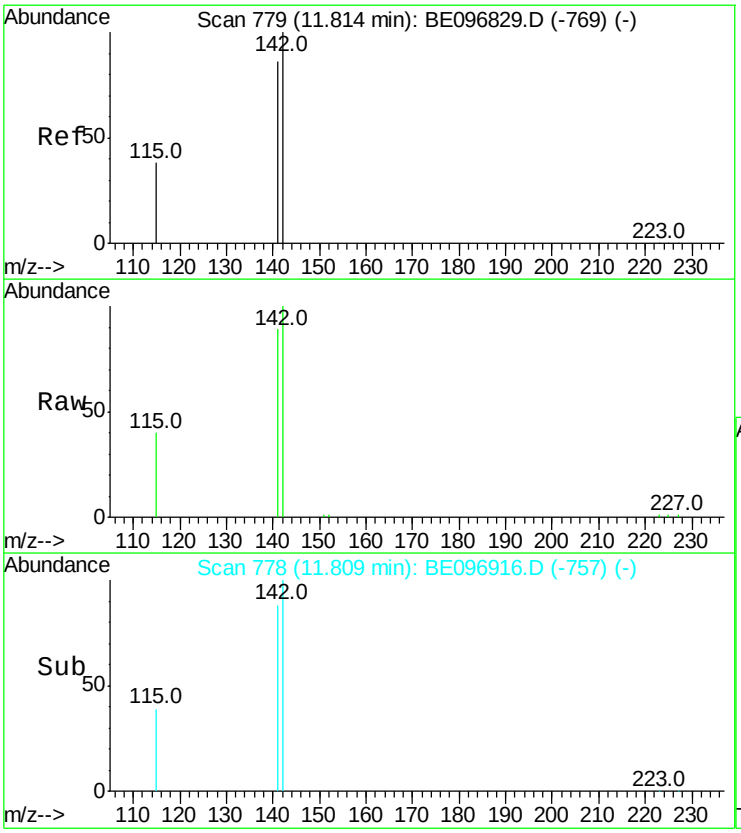
#11
2-Methylnaphthalene-d10
Concen: 0.401 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7258

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

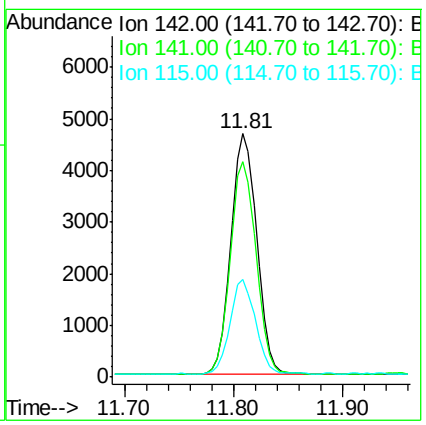


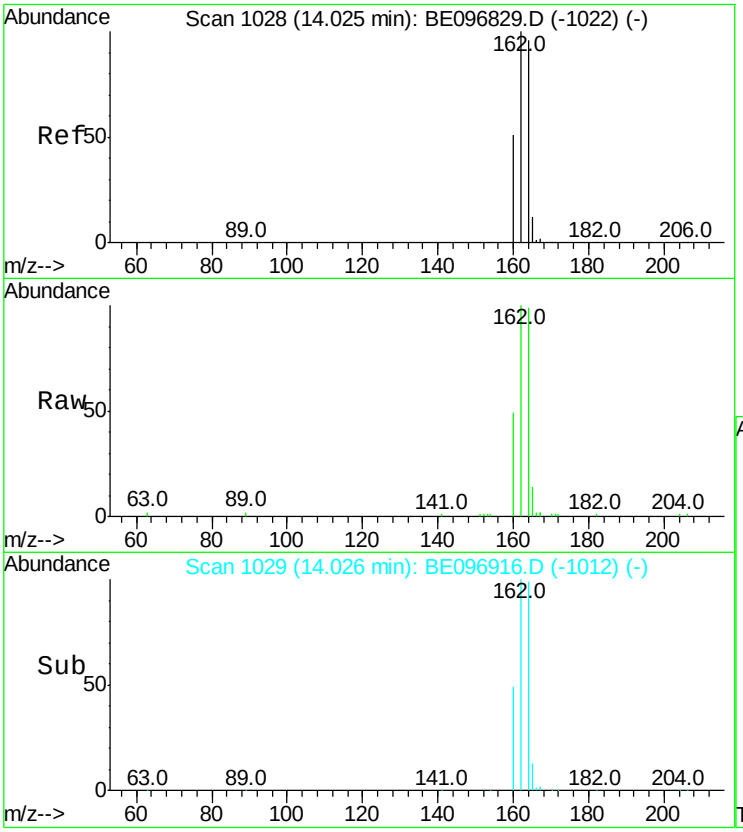


#12
2-Methylnaphthalene
Concen: 0.396 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:142 Resp: 7500

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.4	105.6
115	40.1	31.7	47.5



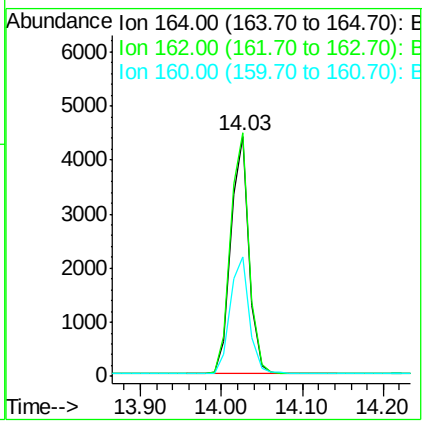


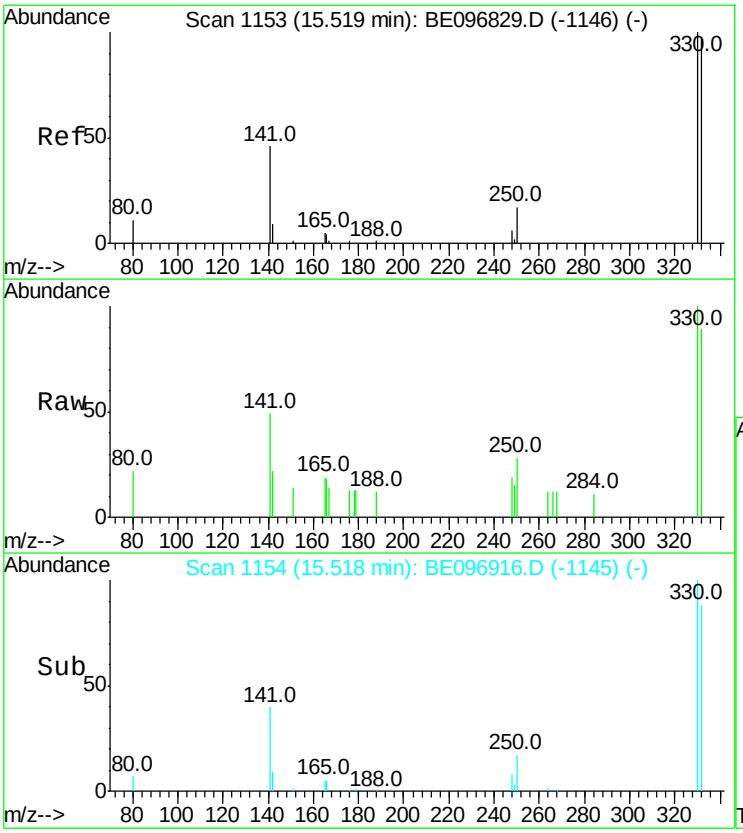
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 6775

Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.1	124.7
160	49.8	37.1	55.7

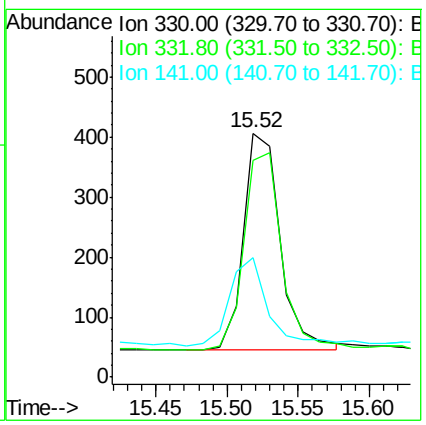


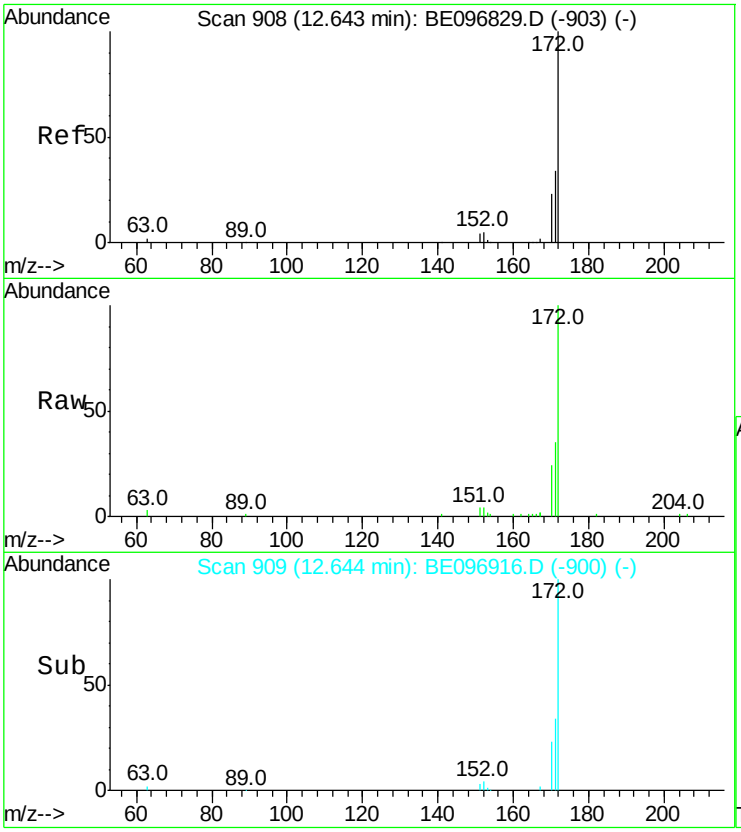


#14
2,4,6-Tribromophenol
Concen: 0.438 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:330 Resp: 649

Ion	Ratio	Lower	Upper
330	100		
332	94.0	152.7	229.1#
141	42.4	33.7	50.5



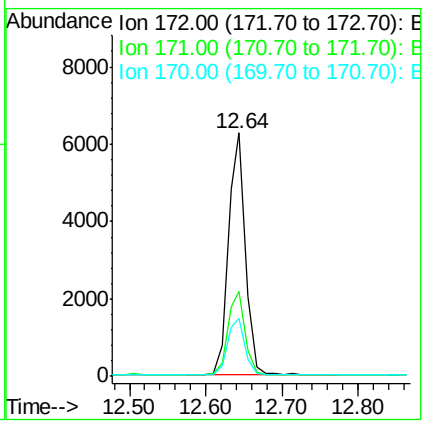


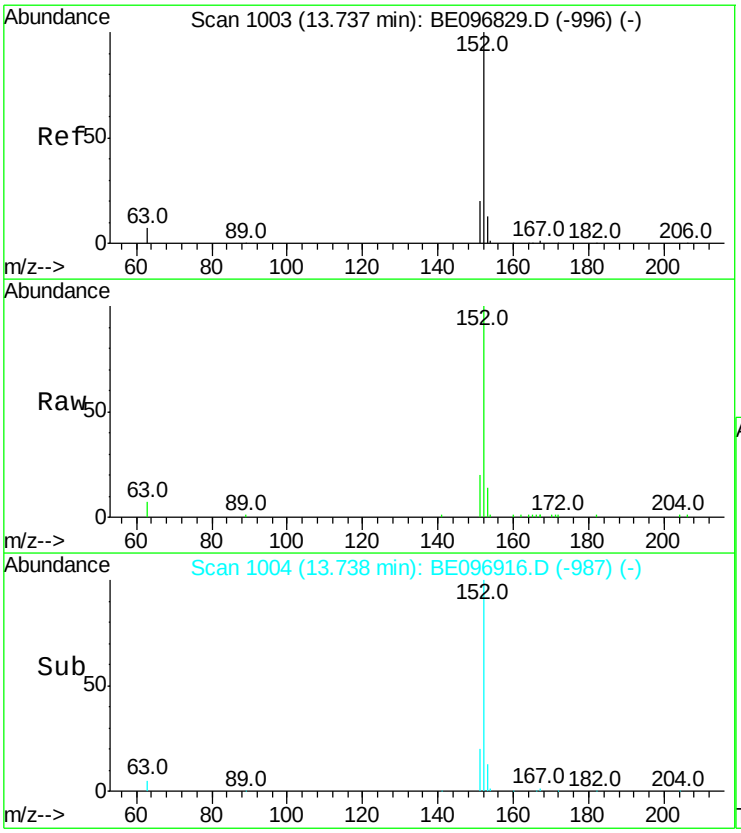
#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 9764

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.9	44.9
170	24.1	21.8	32.8

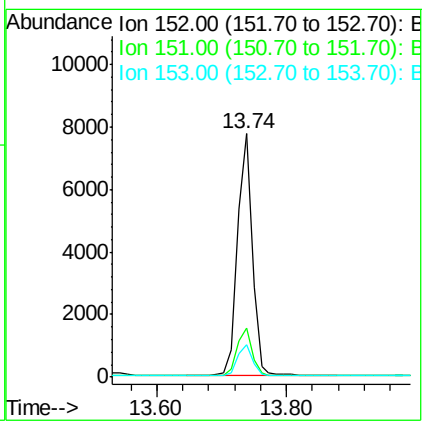


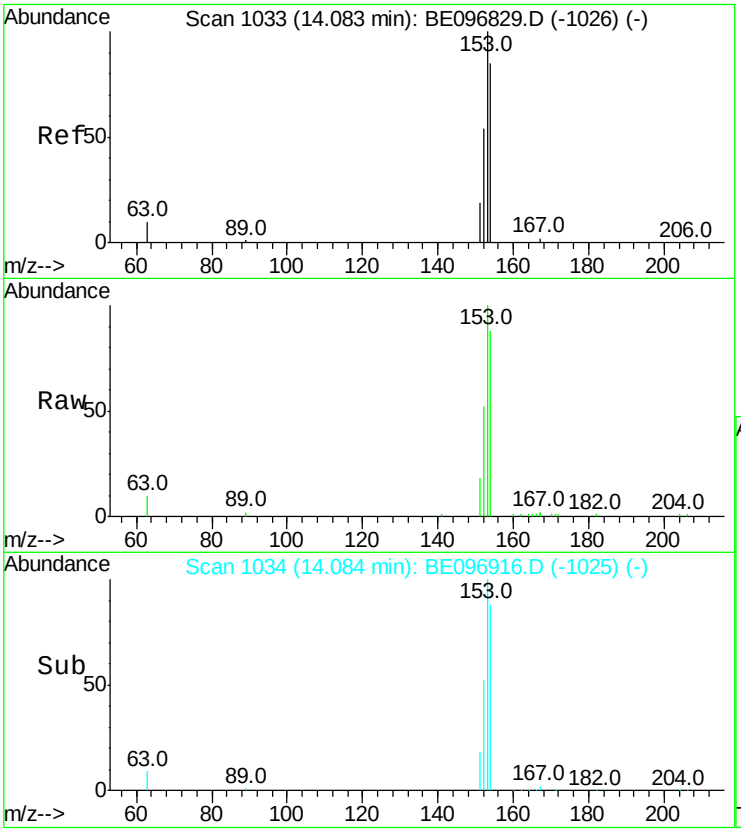


#16
Acenaphthylene
Concen: 0.408 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:152 Resp: 11992

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.5	15.7



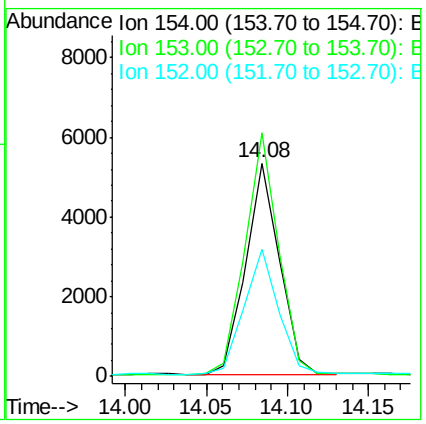


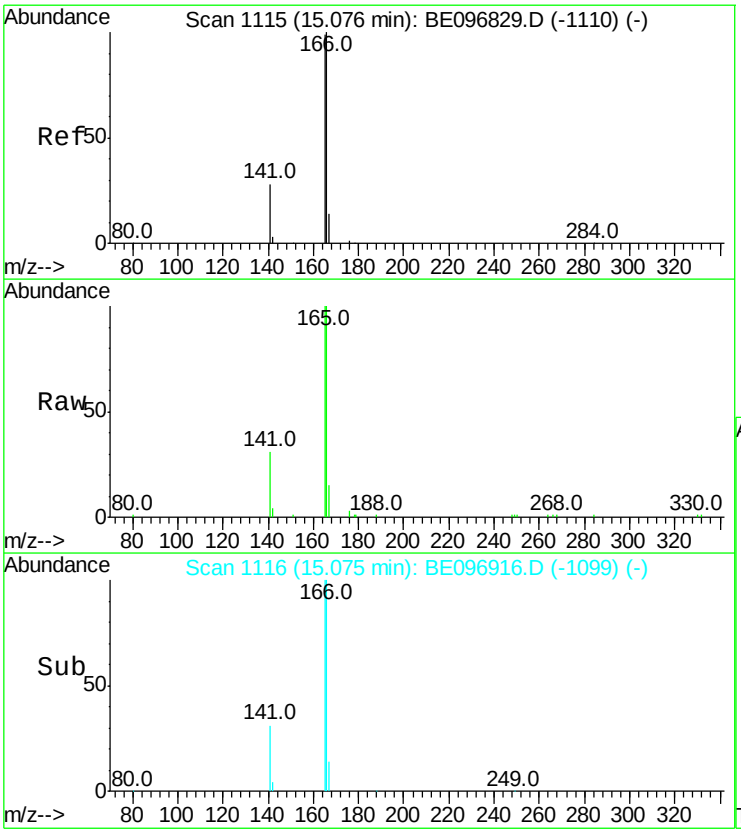
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 7592

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.2	133.8
152	60.5	42.0	63.0

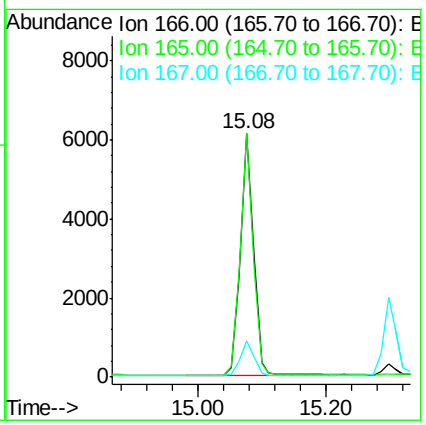


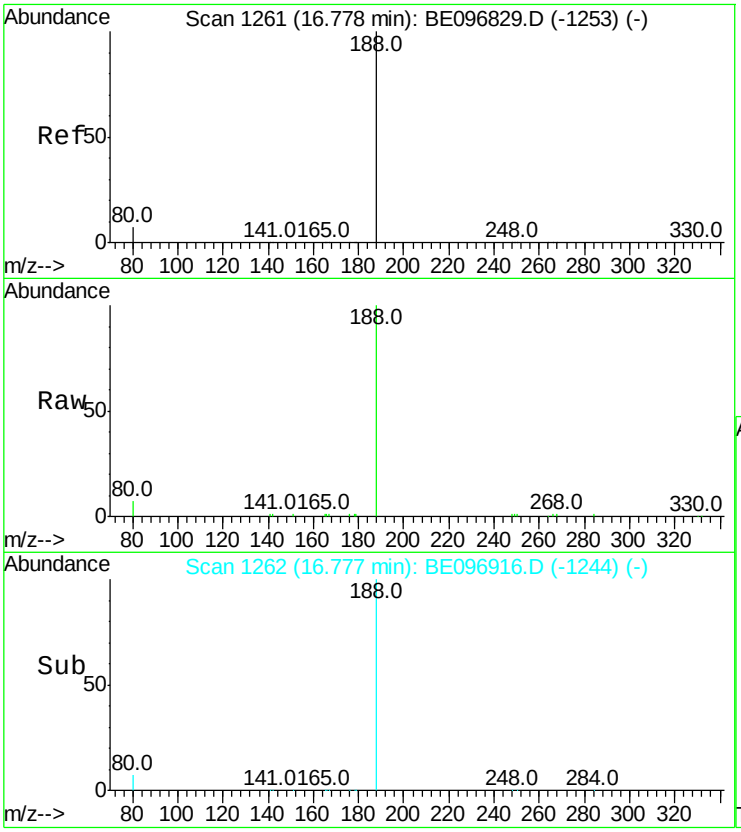


#18
Fluorene
Concen: 0.374 ng
RT: 15.08 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:166 Resp: 8531

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	14.7	42.4	63.6#



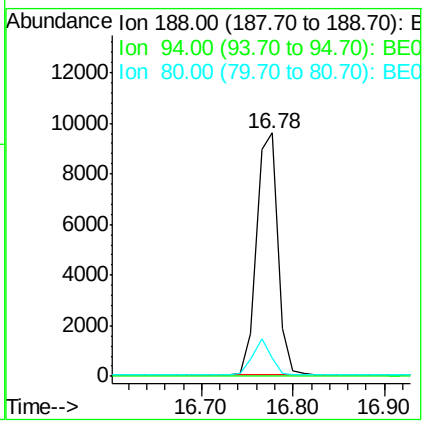


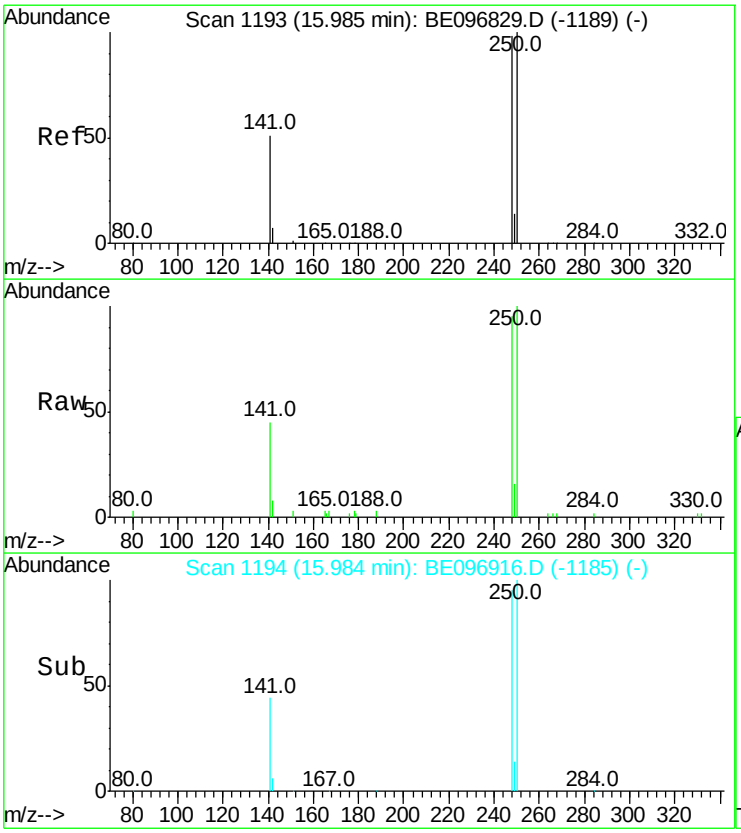
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 15668

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.3	3.6	5.4#

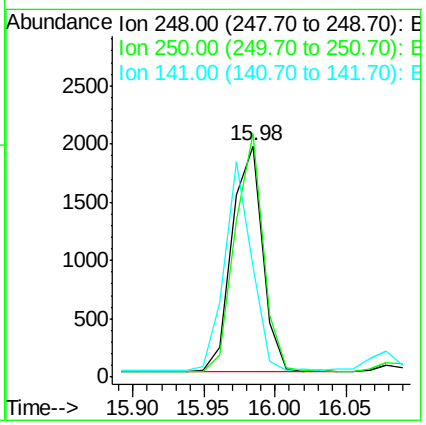


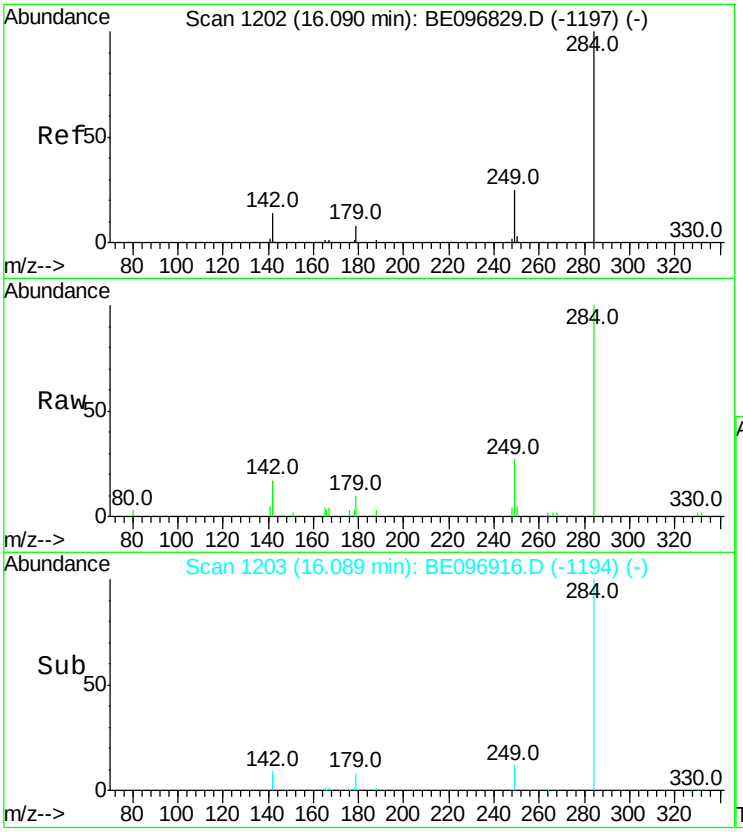


#20
4-Bromophenyl-phenylether
Concen: 0.410 ng
RT: 15.98 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:248 Resp: 2898

Ion	Ratio	Lower	Upper
248	100		
250	105.3	62.7	94.1#
141	47.9	48.2	72.2#



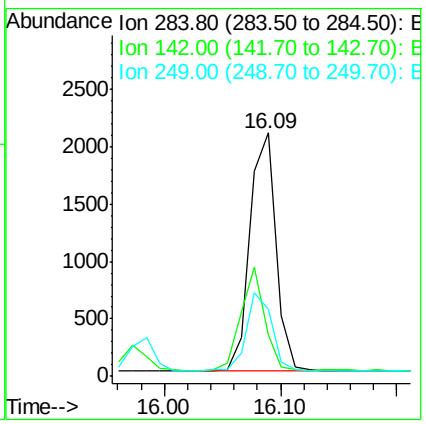


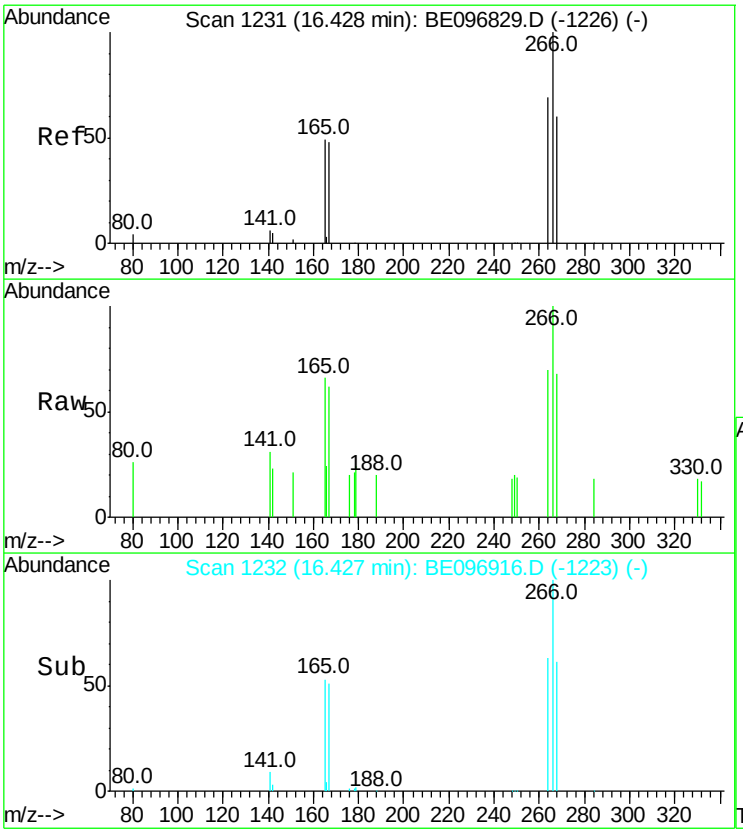
#21
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.09 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 3250

Ion	Ratio	Lower	Upper
284	100		
142	39.0	22.1	33.1#
249	31.7	34.8	52.2#

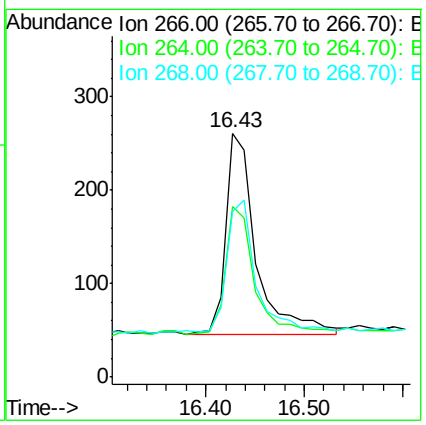


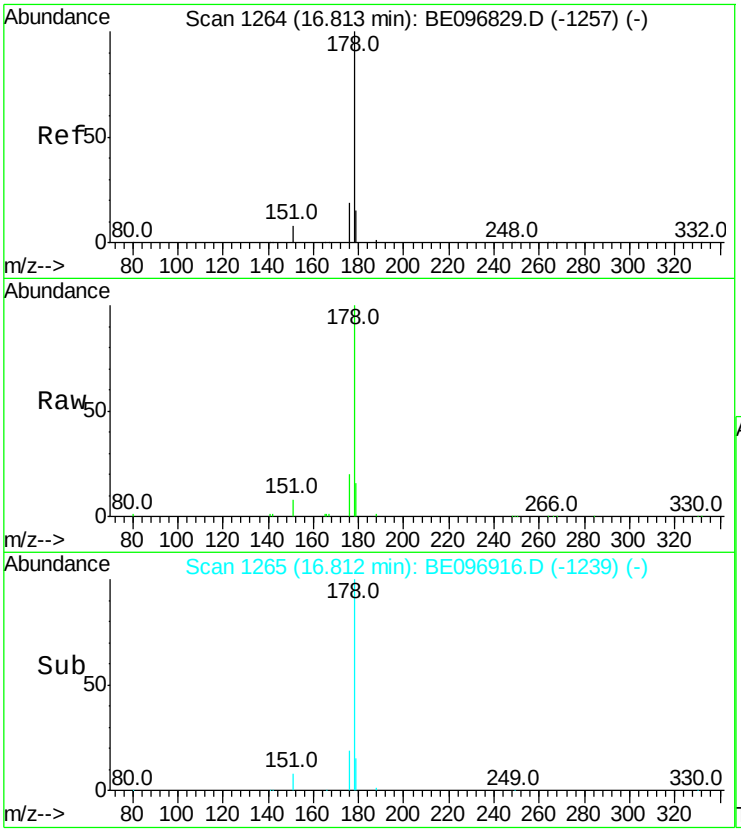


#22
Pentachlorophenol
Concen: 0.385 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:266 Resp: 456

Ion	Ratio	Lower	Upper
266	100		
264	69.7	72.5	108.7#
268	67.8	73.8	110.6#



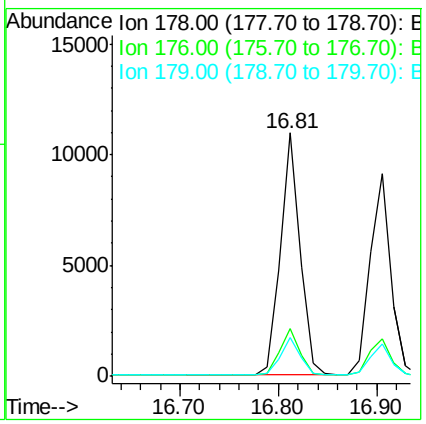


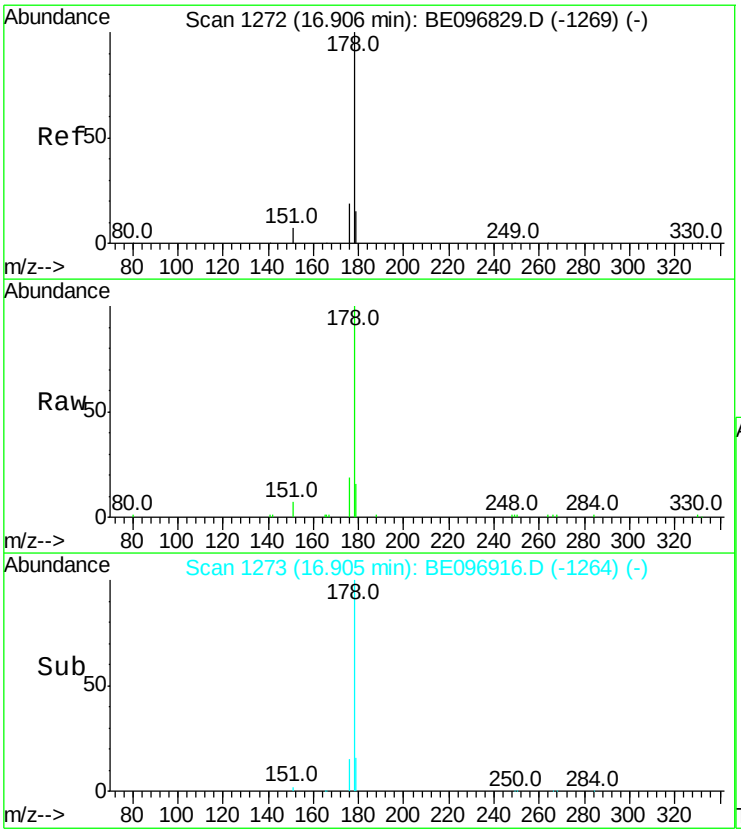
#23
Phenanthrene
Concen: 0.392 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 15093

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.7	11.8	17.6

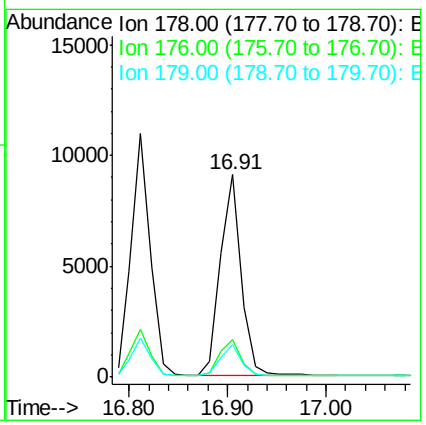


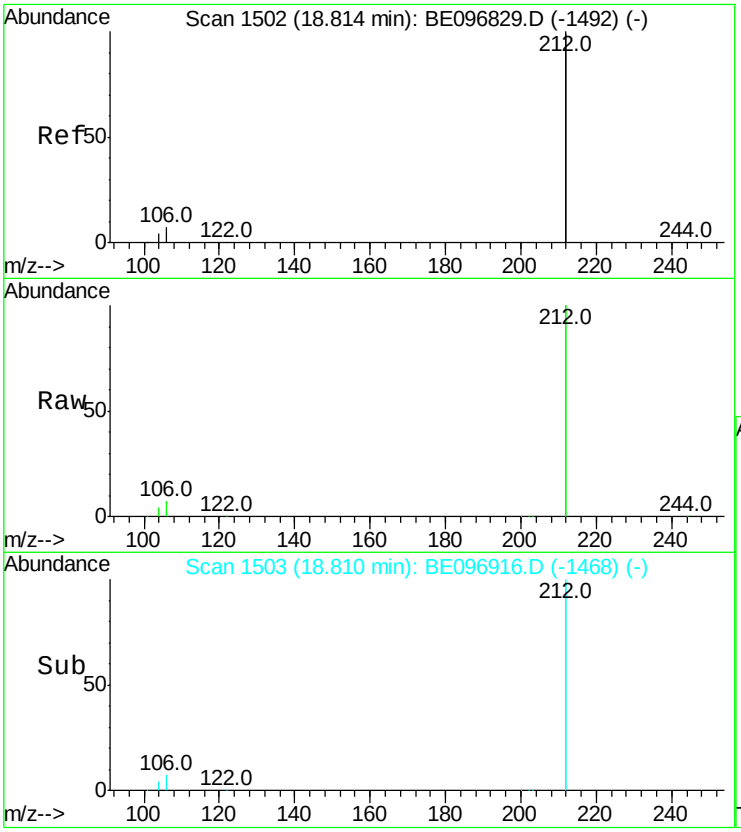


#24
Anthracene
Concen: 0.414 ng
RT: 16.91 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:178 Resp: 13212

Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	15.7	13.0	19.6



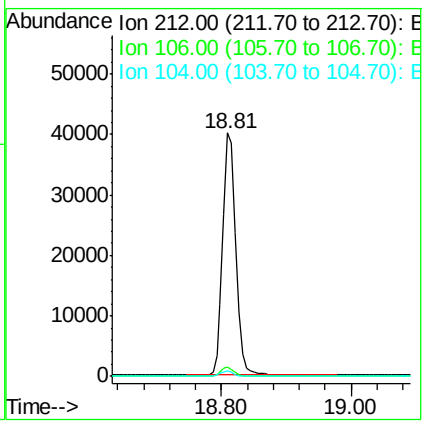


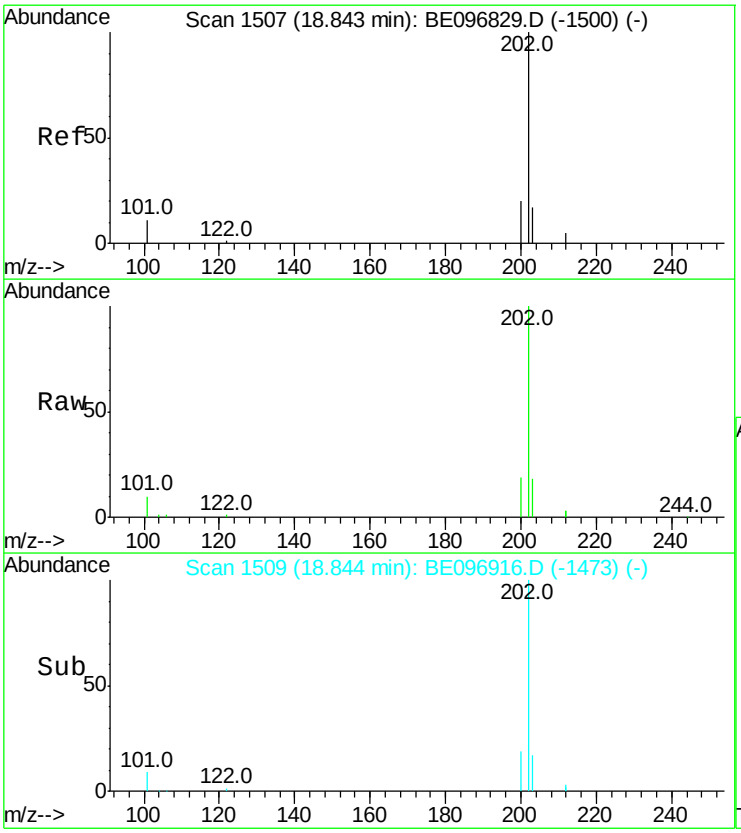
#25
Fluoranthene-d10
Concen: 0.408 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 56214

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

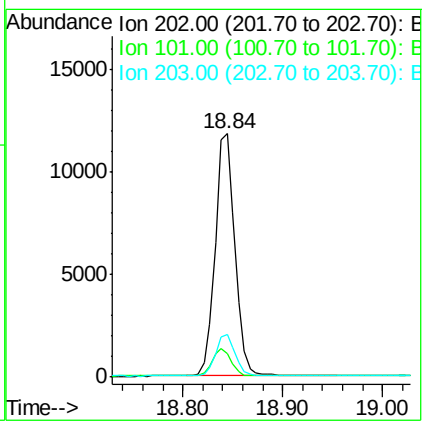


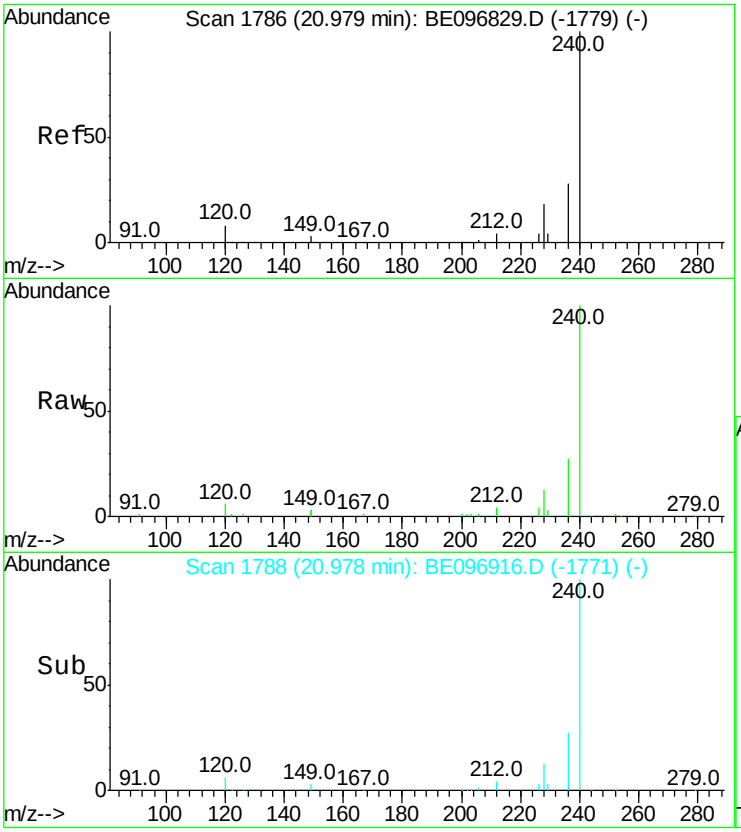


#26
Fluoranthene
Concen: 0.416 ng
RT: 18.84 min Scan# 1509
Delta R.T. 0.01 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:202 Resp: 16192

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.8
203	17.1	13.7	20.5



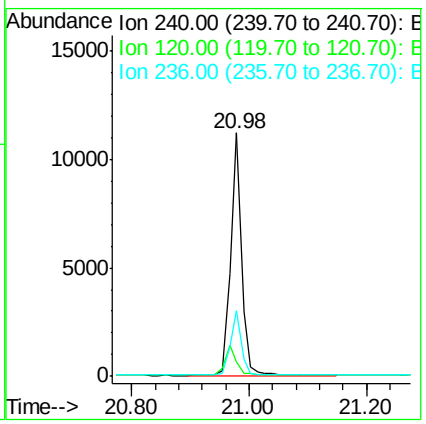


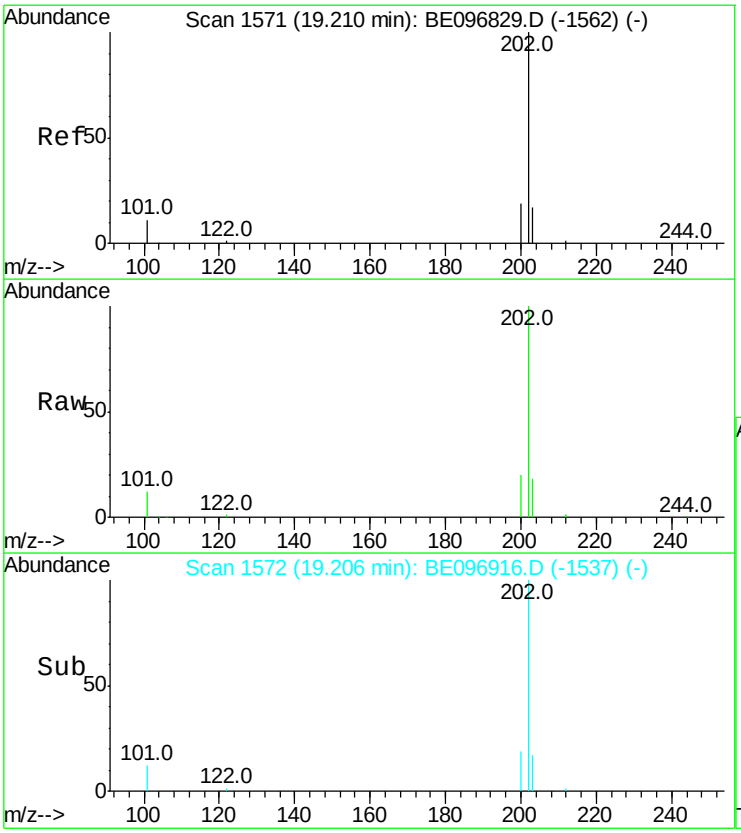
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 14511

Ion	Ratio	Lower	Upper
240	100		
120	6.2	5.5	8.3
236	27.1	20.7	31.1

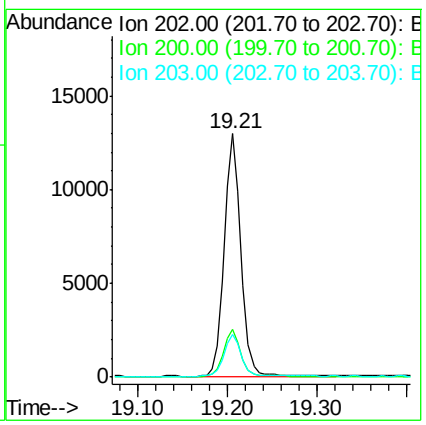


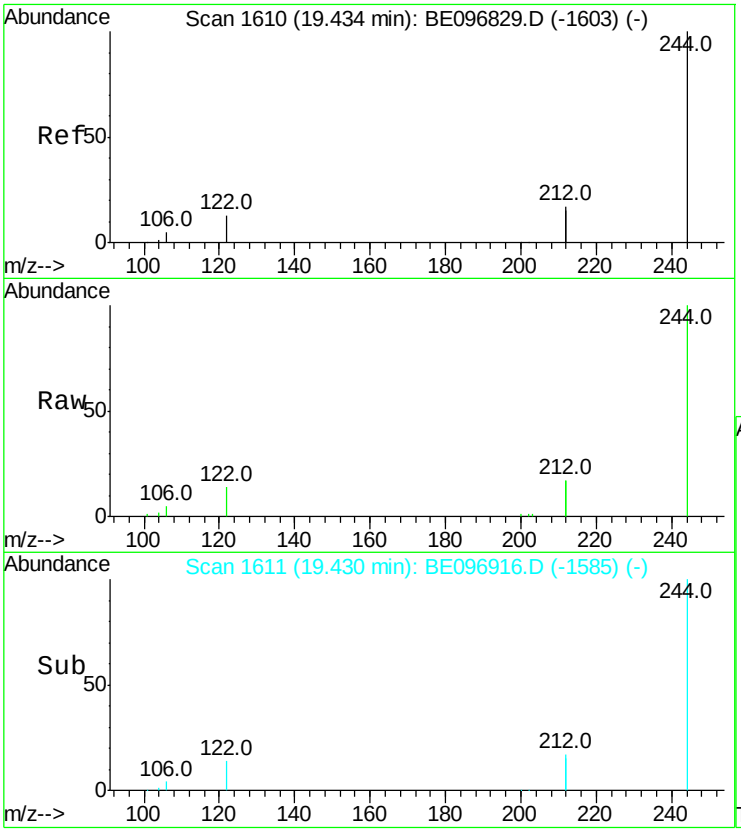


#28
Pyrene
Concen: 0.393 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:202 Resp: 16494

Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.6	25.0
203	17.4	13.8	20.8



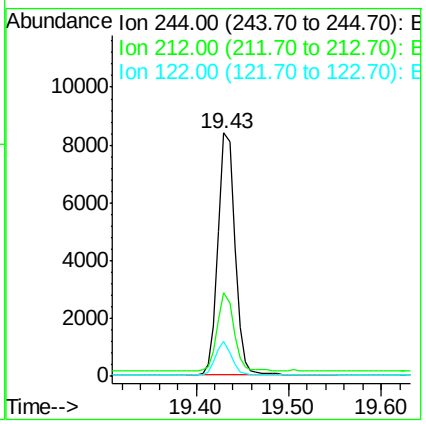


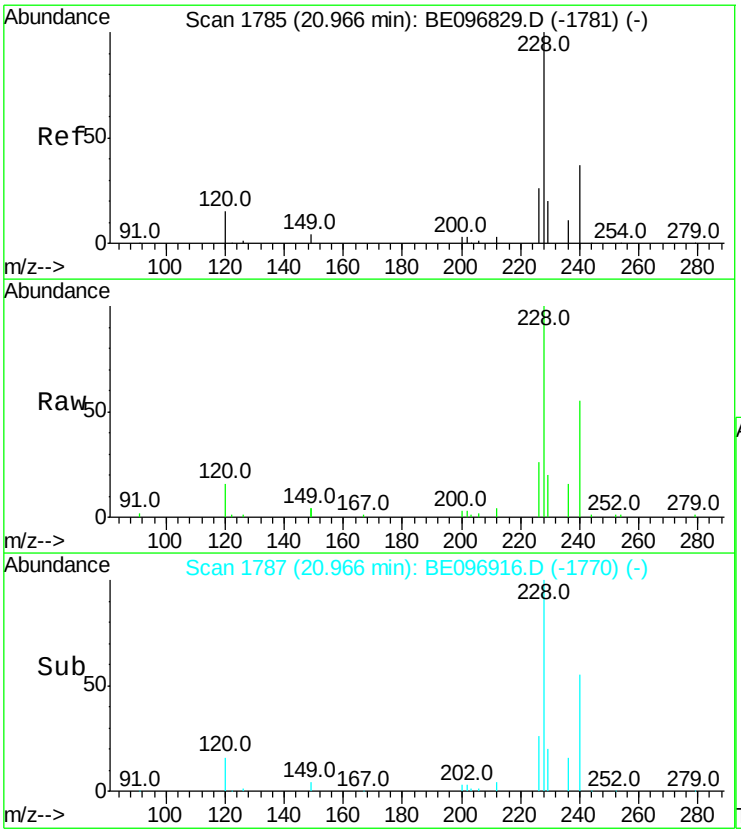
#29
Terphenyl-d14
Concen: 0.378 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 10590

Ion	Ratio	Lower	Upper
244	100		
212	34.2	25.4	38.0
122	14.3	8.1	12.1#

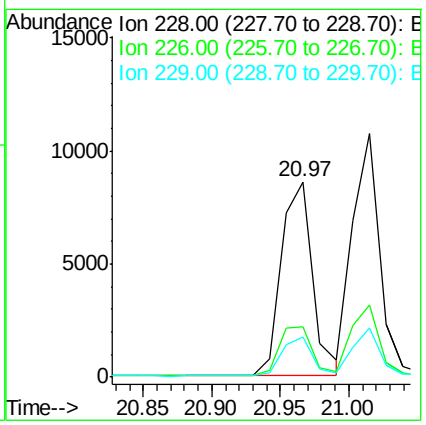


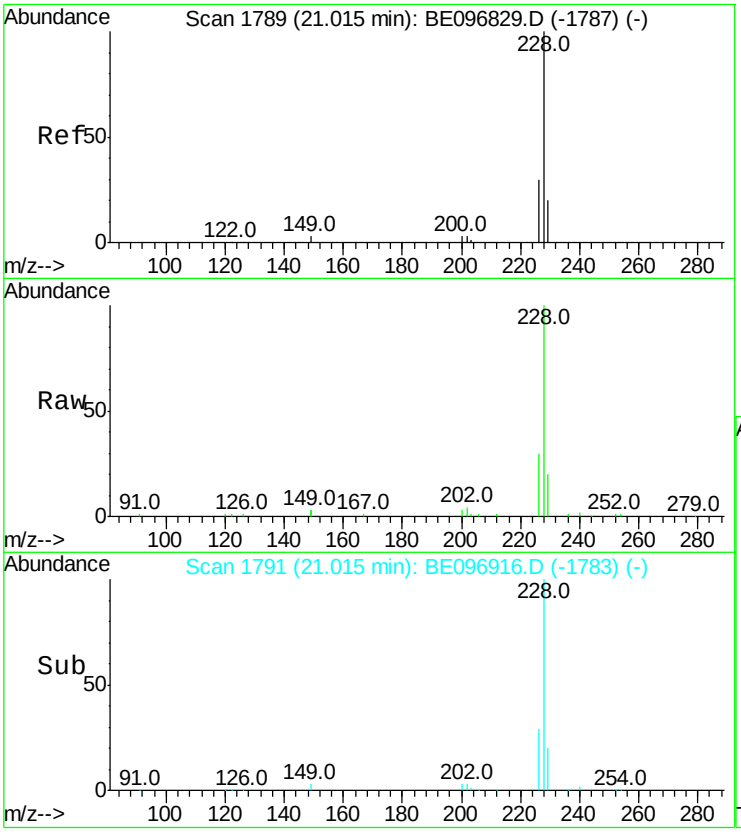


#30
Benzo(a)anthracene
Concen: 0.423 ng
RT: 20.97 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:228 Resp: 13591

Ion	Ratio	Lower	Upper
228	100		
226	26.1	24.0	36.0
229	20.5	16.0	24.0



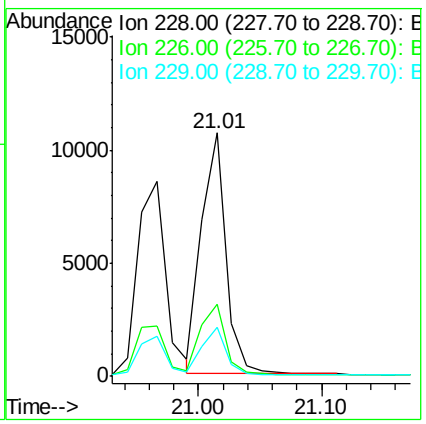


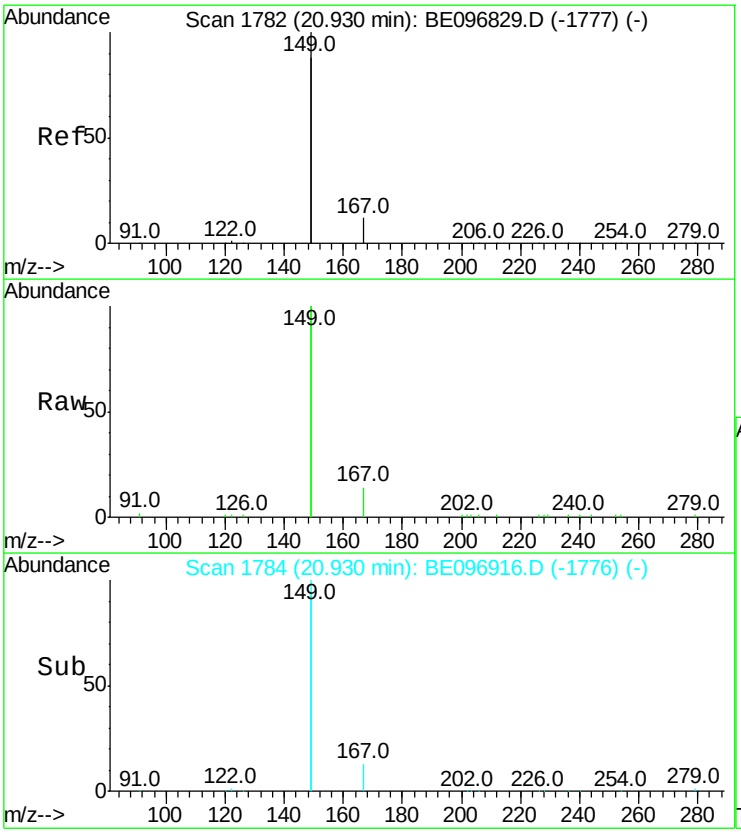
#31
Chrysene
Concen: 0.373 ng
RT: 21.01 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 14813

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	20.3	16.0	24.0

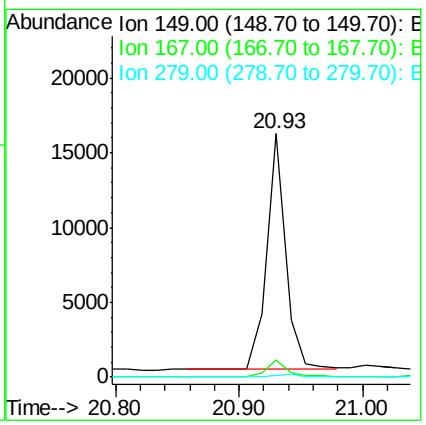


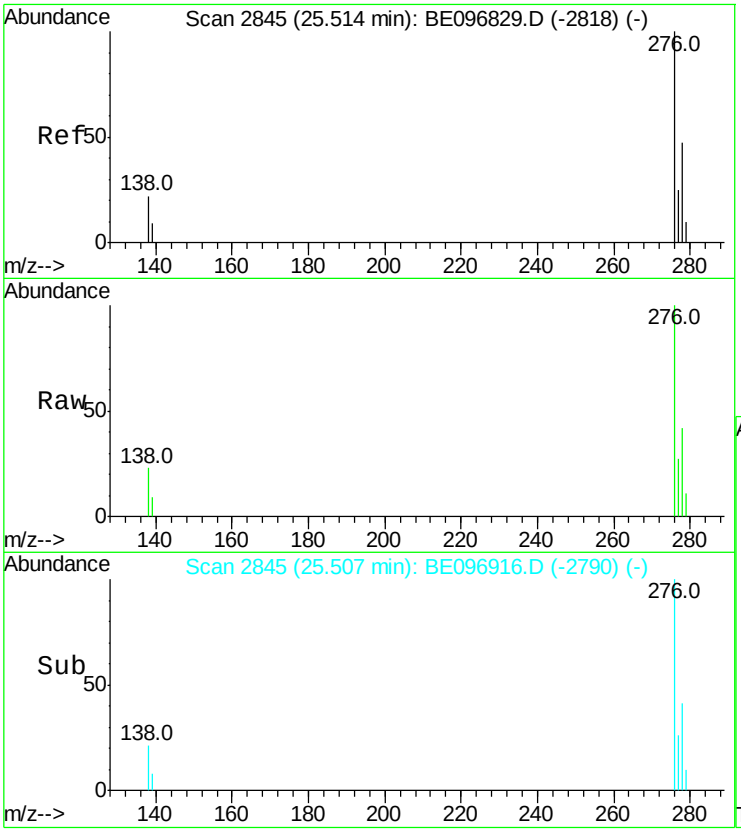


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.594 ng
RT: 20.93 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:149 Resp: 17094

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.9	0.7	1.1



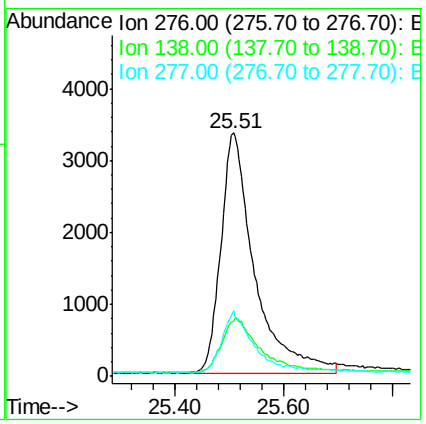


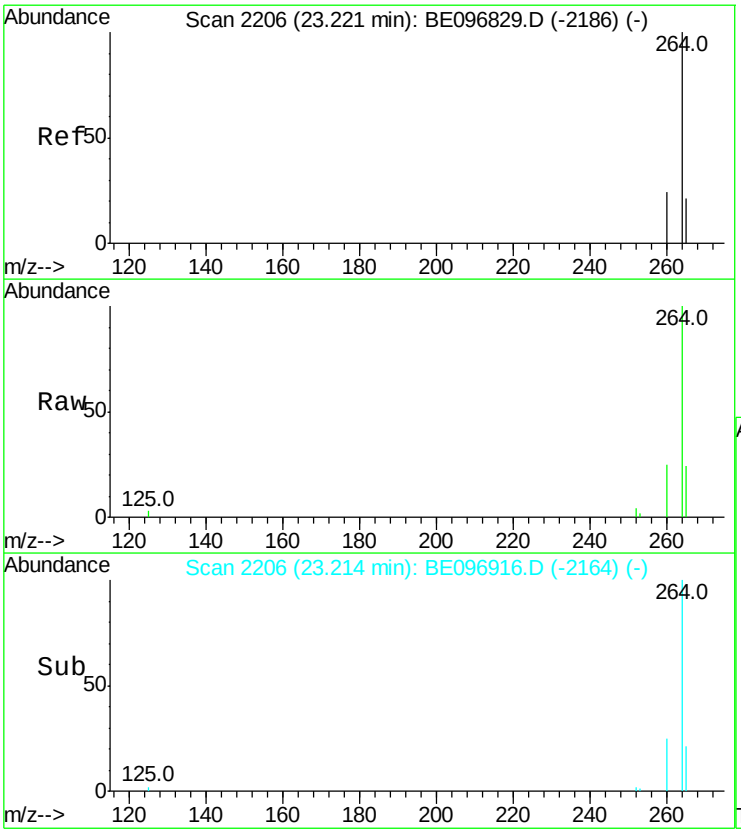
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.487 ng
RT: 25.51 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 14380

Ion	Ratio	Lower	Upper
276	100		
138	25.5	22.5	33.7
277	22.9	19.9	29.9

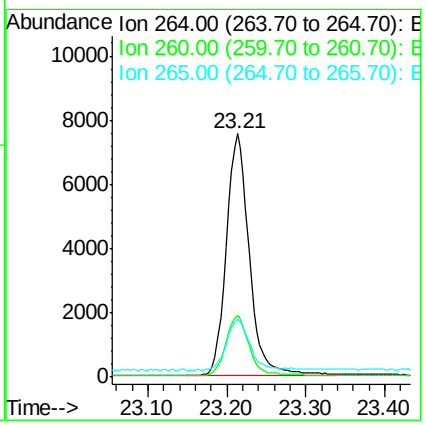


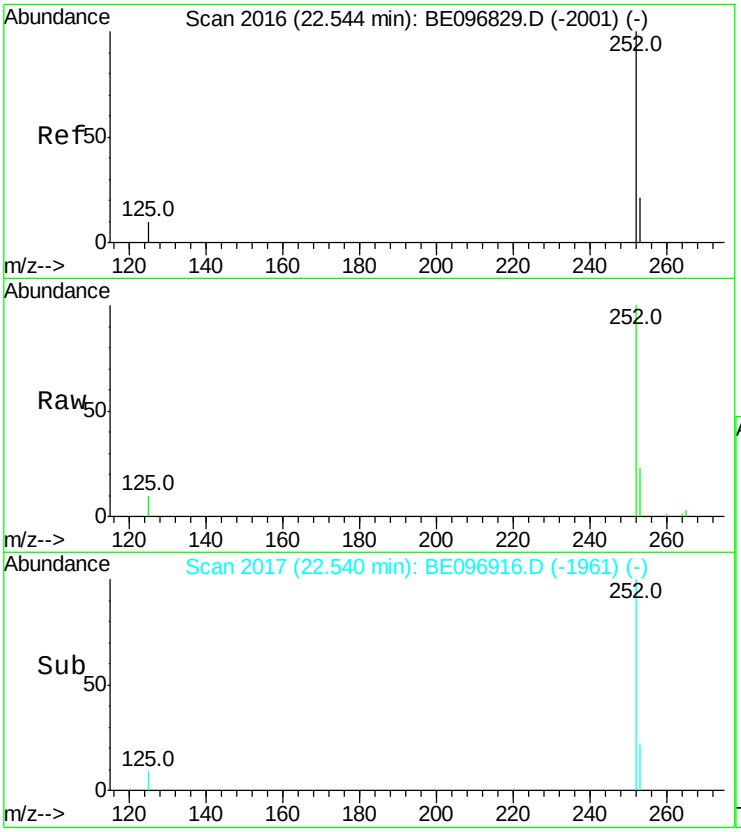


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:264 Resp: 15244

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.5	30.7
265	24.1	22.8	34.2



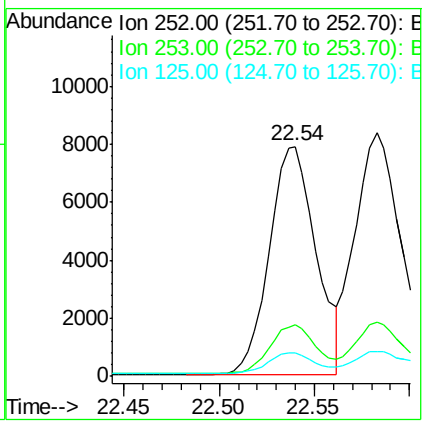


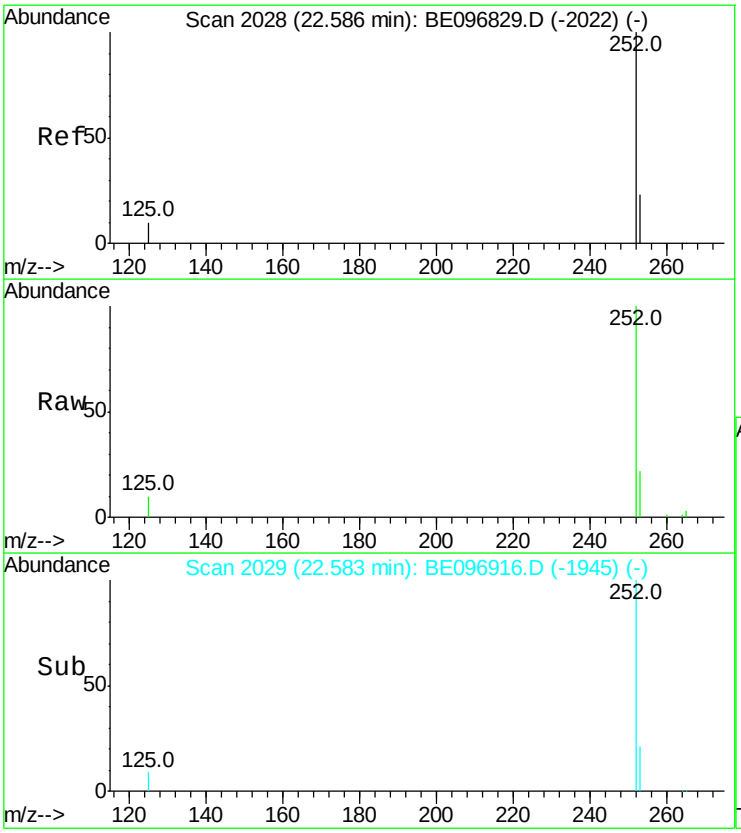
#35
Benzo(b)fluoranthene
Concen: 0.322 ng
RT: 22.54 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 13392

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.0	30.0
125	10.3	16.0	24.0#

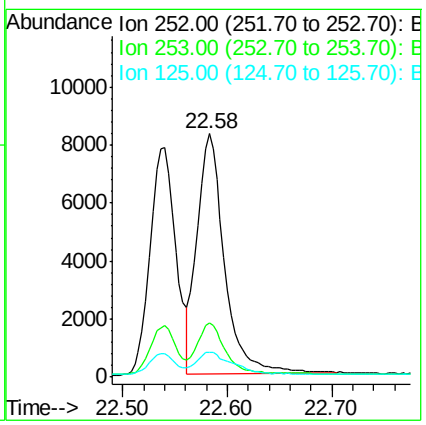


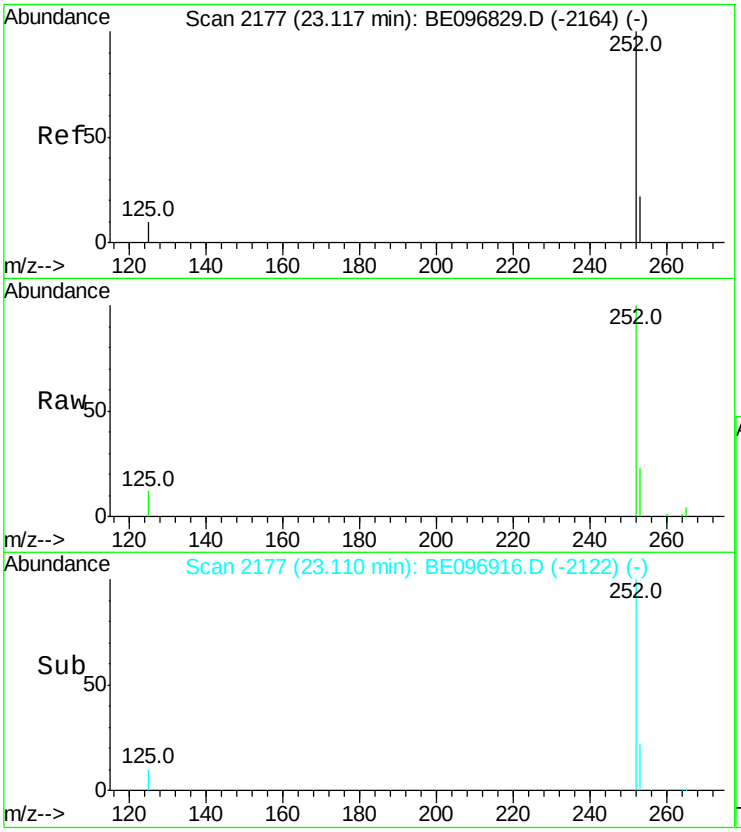


#36
Benzo(k)fluoranthene
Concen: 0.342 ng
RT: 22.58 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:252 Resp: 15082

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.0	24.0
125	10.0	8.0	12.0



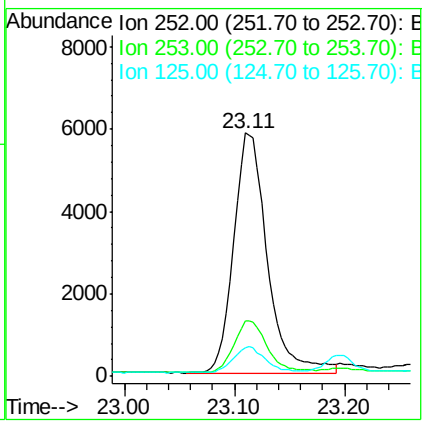


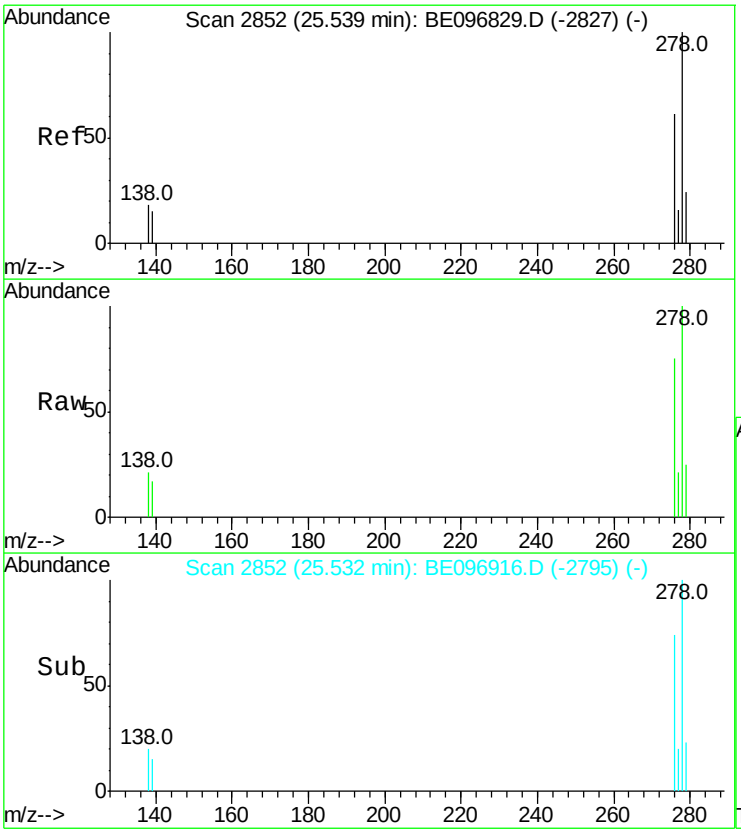
#37
Benzo(a)pyrene
Concen: 0.372 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 12290

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.0	24.0
125	11.5	12.0	18.0#

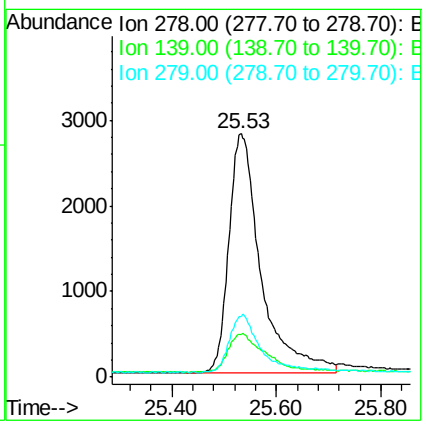


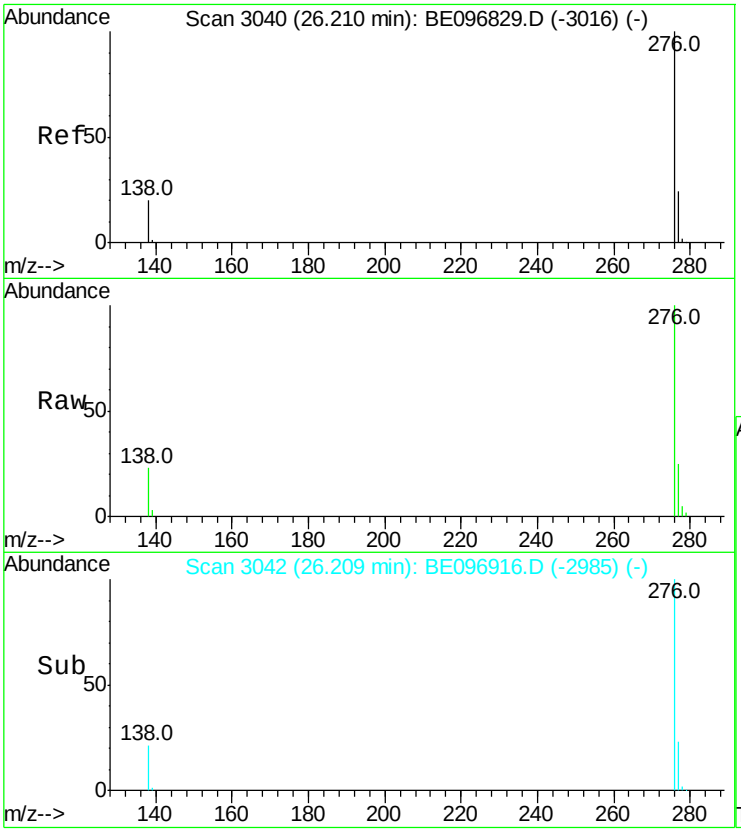


#38
Dibenzo(a,h)anthracene
Concen: 0.379 ng
RT: 25.53 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Tgt Ion:278 Resp: 12021

Ion	Ratio	Lower	Upper
278	100		
139	17.3	16.0	24.0
279	25.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.338 ng
RT: 26.21 min Scan# 3042
Delta R.T. 0.00 min
Lab File: BE096916.D
Acq: 13 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 12476

Ion	Ratio	Lower	Upper
276	100		
277	24.7	16.0	24.0#
138	22.6	20.0	30.0