Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE110518\
Data File : BE098163.D
Acq On : 5 Nov 2018 16:47
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Nov 05 17:32:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1025	0.40	ng		0.00
7) Naphthalene-d8	10.68	136	4915	0.40	ng		0.01
13) Acenaphthene-d10	14.54	164	3245	0.40	ng		0.00
19) Phenanthrene-d10	17.29	188	7642	0.40	ng		0.01
27) Chrysene-d12	21.48	240	8546	0.40	ng		0.01
34) Perylene-d12	24.02	264	8340	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	1223	0.40	ng		0.00
5) Phenol-d6	7.05	99	2007	0.40	ng		0.00
8) Nitrobenzene-d5	9.03	82	2137	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	3607	0.42	ng		0.02
14) 2,4,6-Tribromophenol	16.03	330	594	0.39	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	5452	0.41	ng		0.00
25) Fluoranthene-d10	19.31	212	39479	0.40	ng		0.00
29) Terphenyl-d14	19.91	244	8403	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	636	0.416	ng		97
3) n-Nitrosodimethylamine	3.70	42	876	0.429	ng	#	79
6) bis(2-Chloroethyl)ether	7.30	93	1479	0.403	ng		91
9) Naphthalene	10.73	128	20338	0.414	ng		99
10) Hexachlorobutadiene	11.02	225	1338	0.415	ng		98
12) 2-Methylnaphthalene	12.35	142	3582	0.409	ng		95
16) Acenaphthylene	14.26	152	6213	0.420	ng		99
17) Acenaphthene	14.60	154	3746	0.421	ng		100
18) Fluorene	15.58	166	4815	0.408	ng		99
20) 4-Bromophenyl-phenylether	16.48	248	1933	0.415	ng		97
21) Hexachlorobenzene	16.59	284	2045	0.420	ng		97
22) Pentachlorophenol	16.95	266	527	0.500	ng	#	87
23) Phenanthrene	17.33	178	7691	0.406	ng		99
24) Anthracene	17.42	178	7434	0.413	ng		100
26) Fluoranthene	19.34	202	9556	0.403	ng		96
28) Pyrene	19.71	202	9916	0.425	ng		99
30) Benzo(a)anthracene	21.45	228	10343	0.414	ng		98
31) Chrysene	21.51	228	10538	0.427	ng		98
32) Bis(2-ethylhexyl)phthalate	21.38	149	24207	0.288	ng		100
33) Indeno(1,2,3-cd)pyrene	26.71	276	10286	0.400	ng		96
35) Benzo(b)fluoranthene	23.23	252	9689	0.413	ng	#	89
36) Benzo(k)fluoranthene	23.29	252	10066	0.414	ng	#	89
37) Benzo(a)pyrene	23.90	252	9160	0.399	ng	#	90
38) Dibenzo(a,h)anthracene	26.73	278	8374	0.391	ng	#	93
39) Benzo(g,h,i)perylene	27.54	276	8675	0.407	ng	#	88

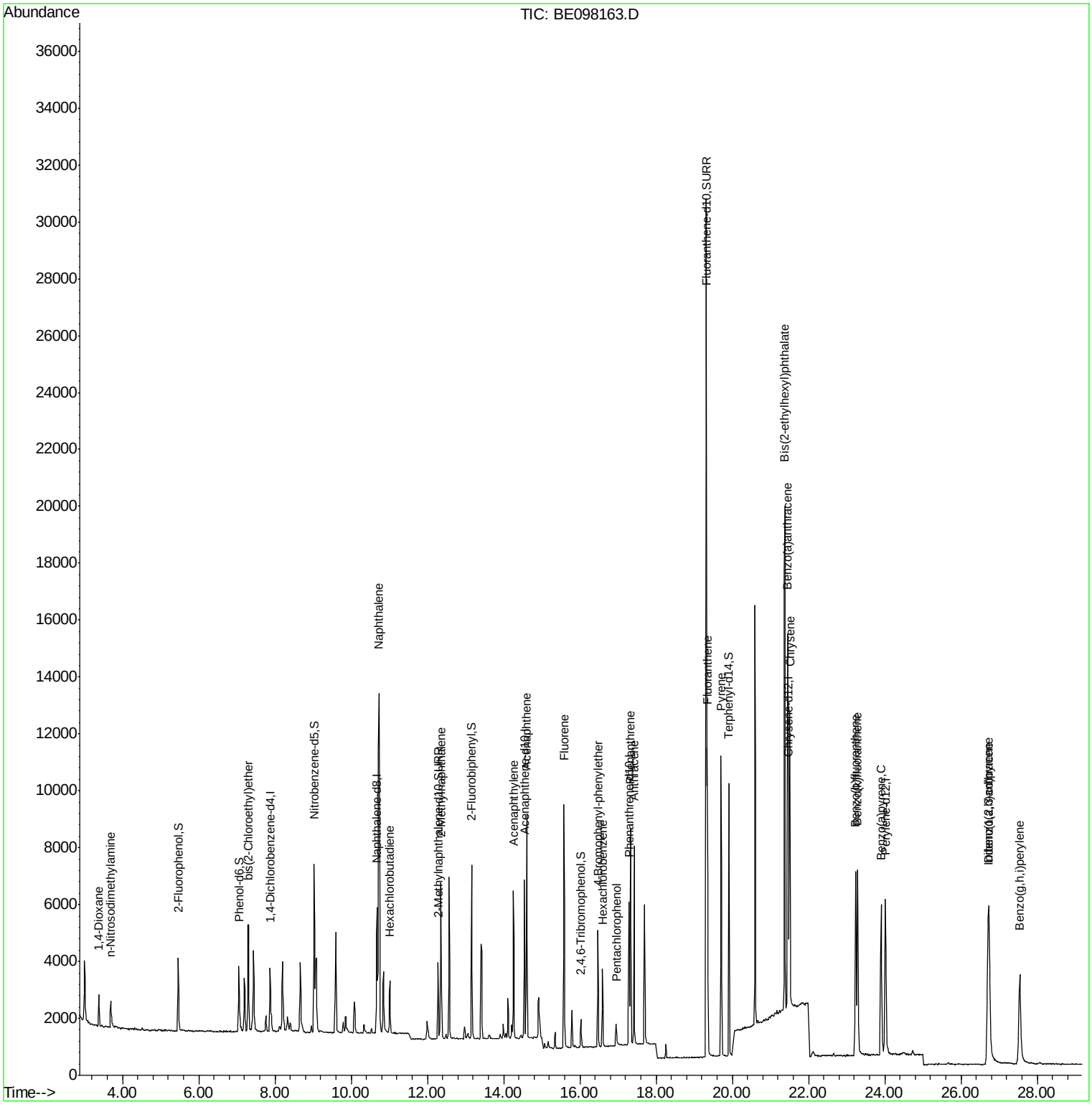
(#) = qualifier out of range (m) = manual integration (+) = signals summed

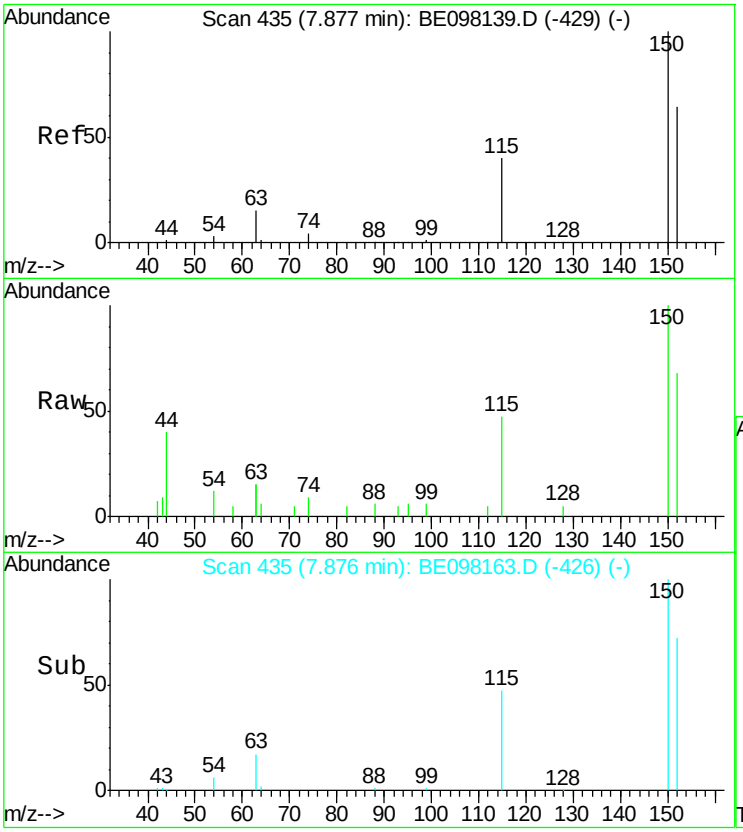
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE110518\
Data File : BE098163.D
Acq On : 5 Nov 2018 16:47
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 05 17:32:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration



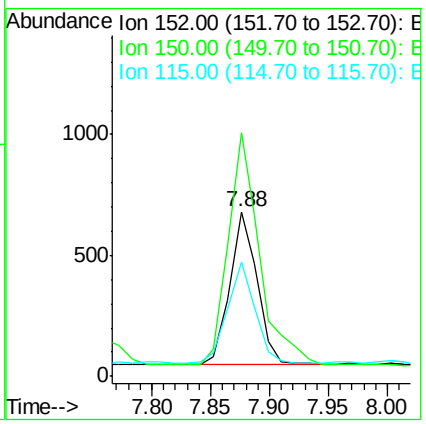


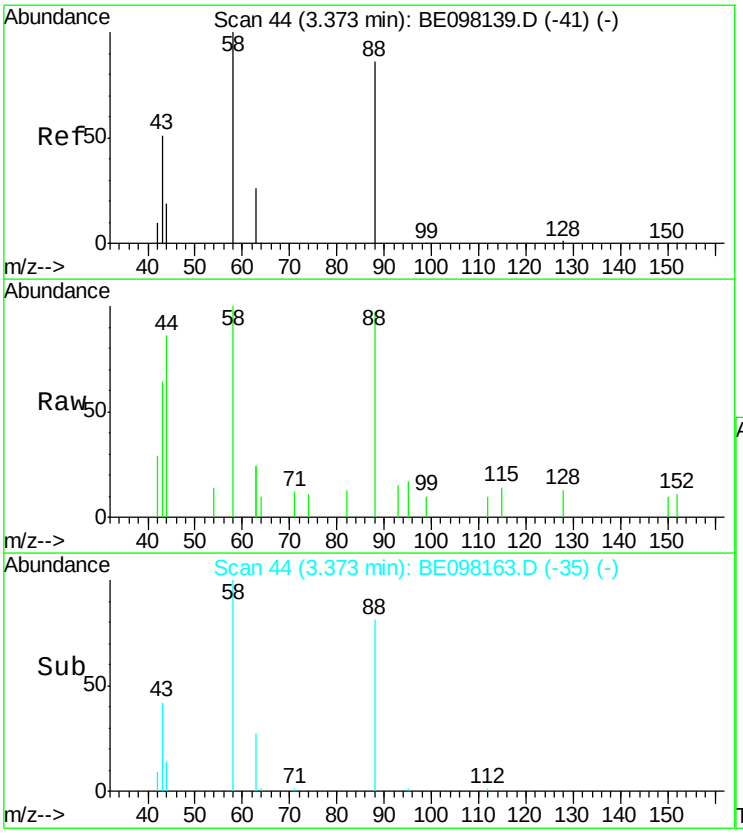
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1025

Ion	Ratio	Lower	Upper
152	100		
150	147.7	118.2	177.4
115	69.6	50.9	76.3

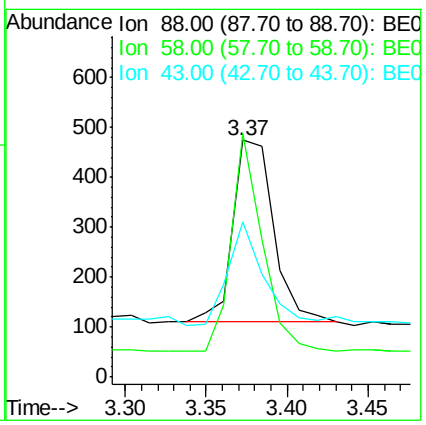


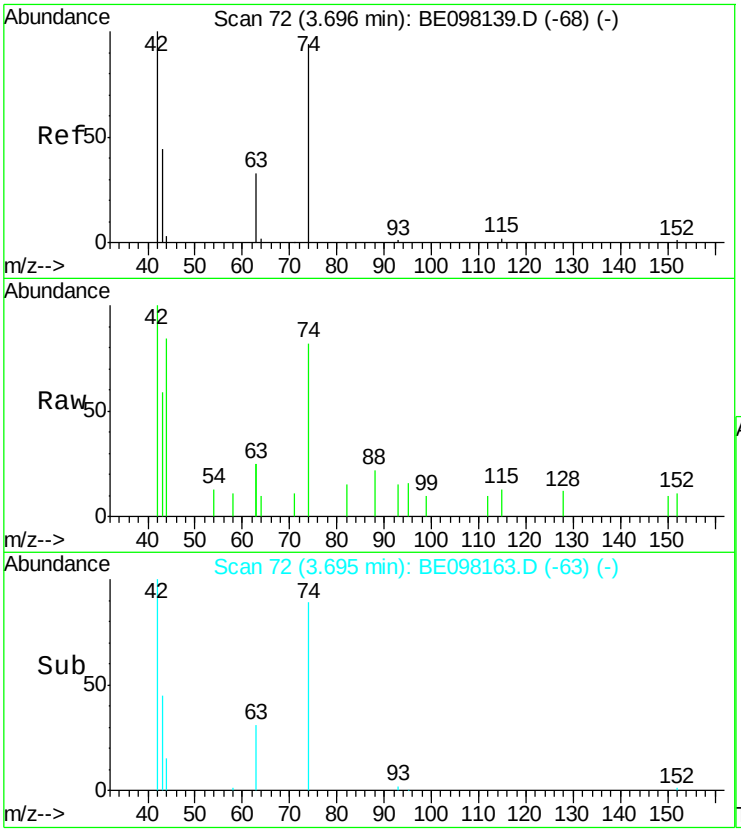


#2
1,4-Dioxane
Concen: 0.416 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion: 88 Resp: 636

Ion	Ratio	Lower	Upper
88	100		
58	90.9	73.2	109.8
43	51.4	36.9	55.3



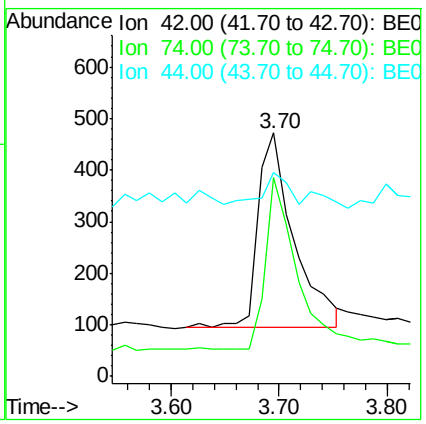


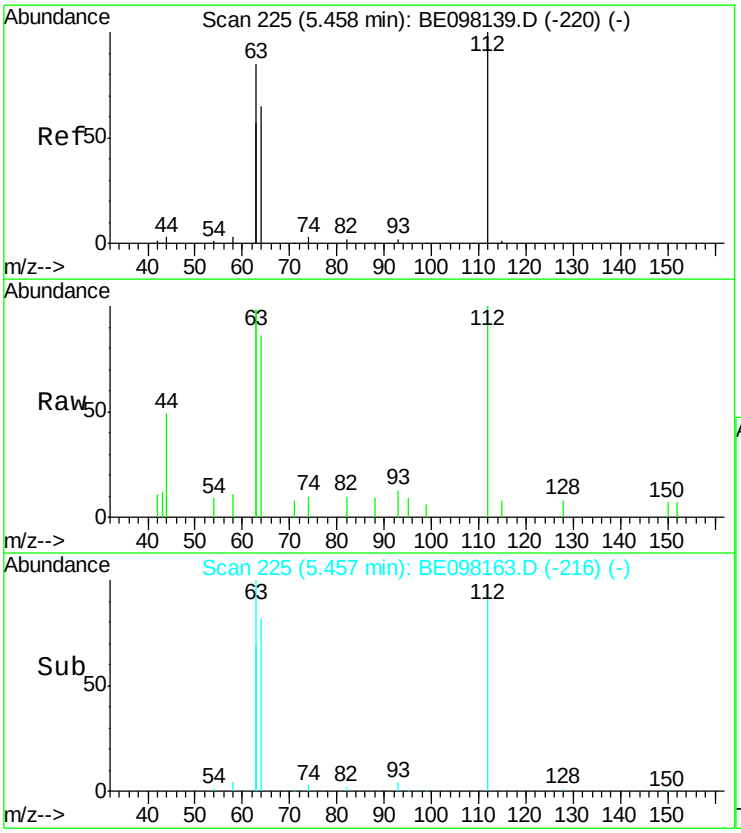
#3
n-Nitrosodimethylamine
Concen: 0.429 ng
RT: 3.70 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 876

Ion	Ratio	Lower	Upper
42	100		
74	75.3	77.6	116.4#
44	15.0	7.6	11.4#

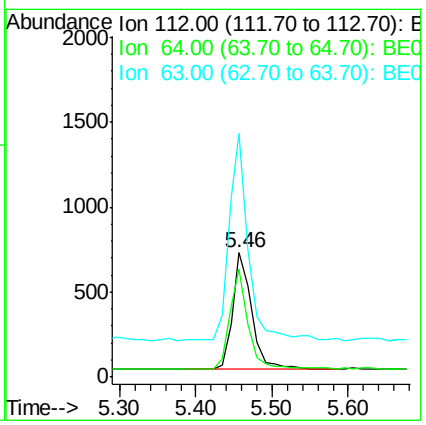


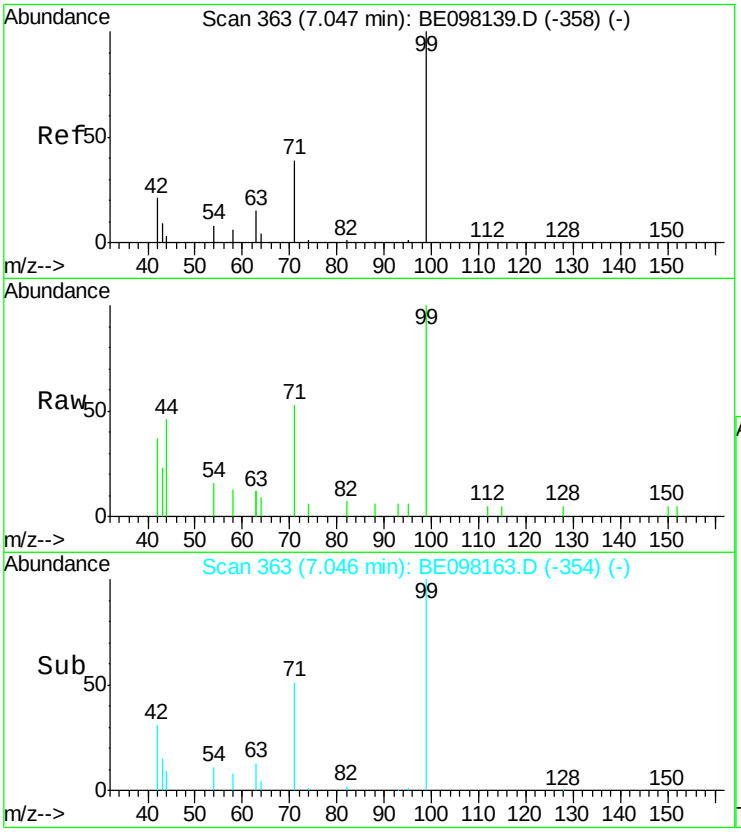


#4
2-Fluorophenol
Concen: 0.402 ng
RT: 5.46 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:112 Resp: 1223

Ion	Ratio	Lower	Upper
112	100		
64	81.8	58.9	88.3
63	174.3	120.3	180.5



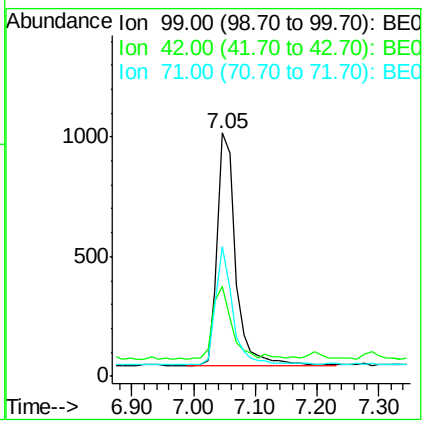


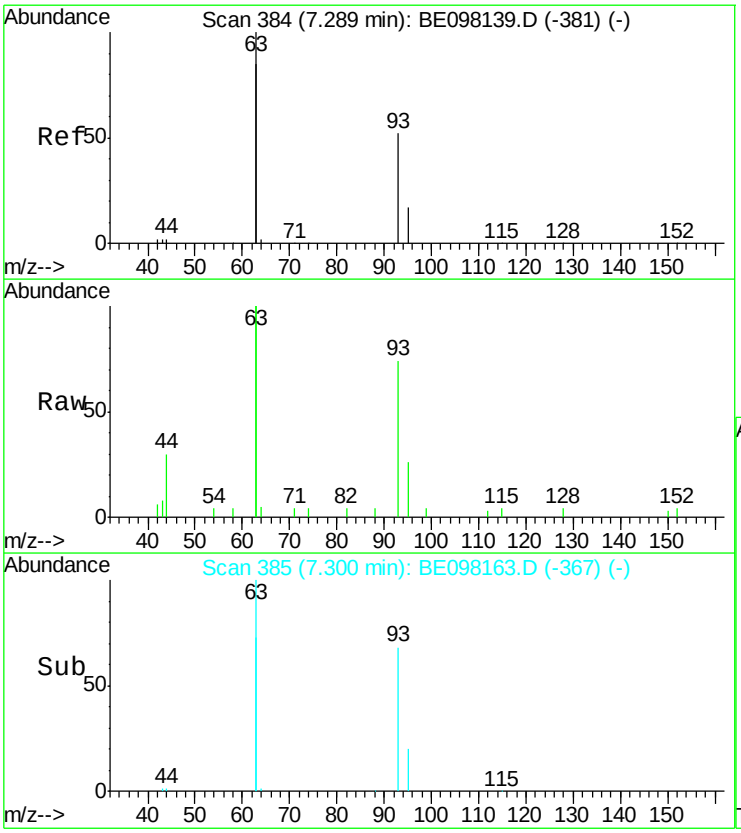
#5
Phenol-d6
Concen: 0.401 ng
RT: 7.05 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2007

Ion	Ratio	Lower	Upper
99	100		
42	33.2	19.9	29.9#
71	47.4	27.8	41.8#

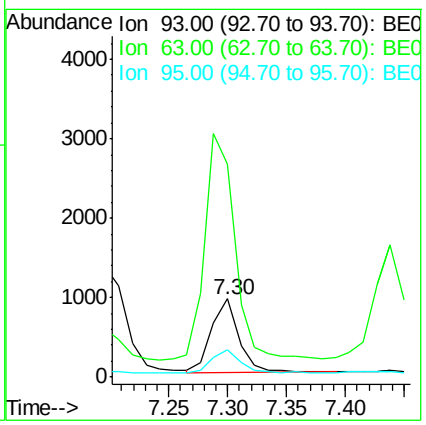


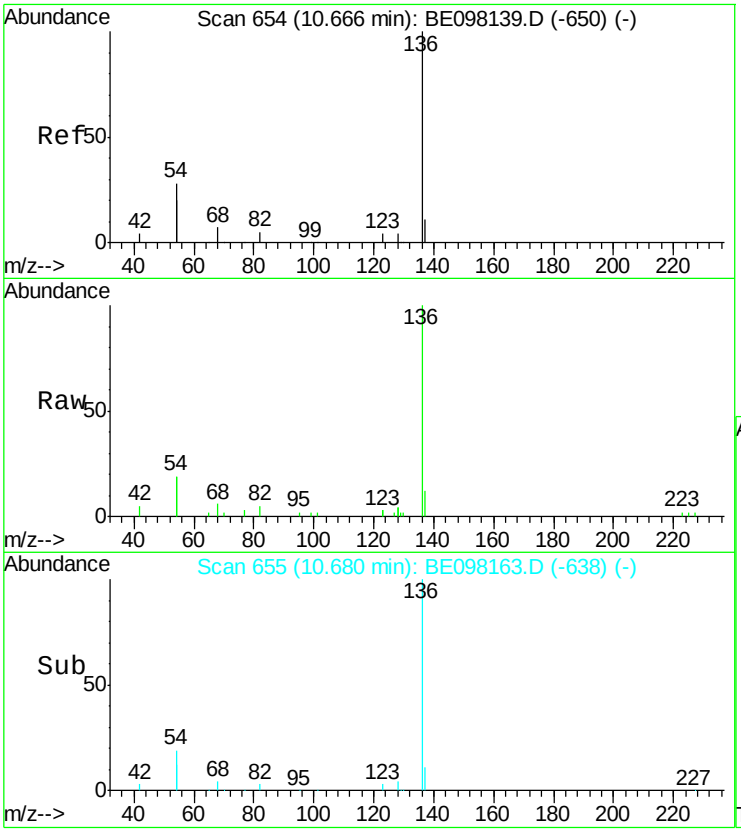


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.30 min Scan# 385
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion: 93 Resp: 1479

Ion	Ratio	Lower	Upper
93	100		
63	343.0	259.0	388.4
95	34.4	27.8	41.8



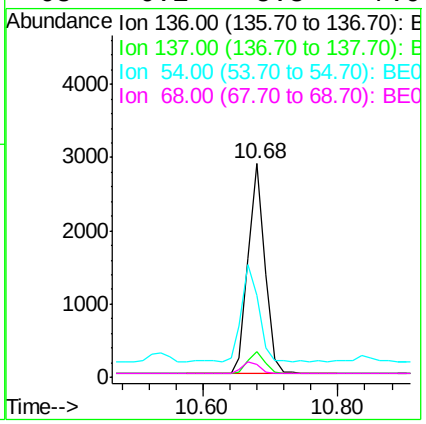


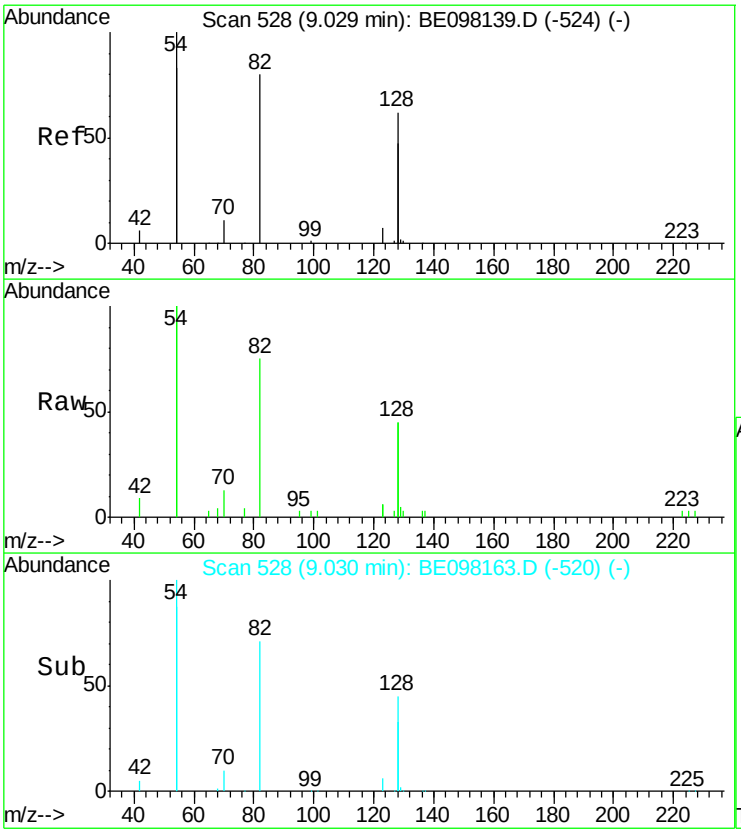
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 4915

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.6	14.4
54	38.1	27.7	41.5
68	6.1	5.3	7.9

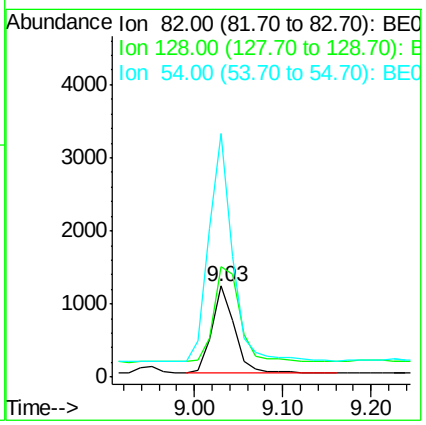


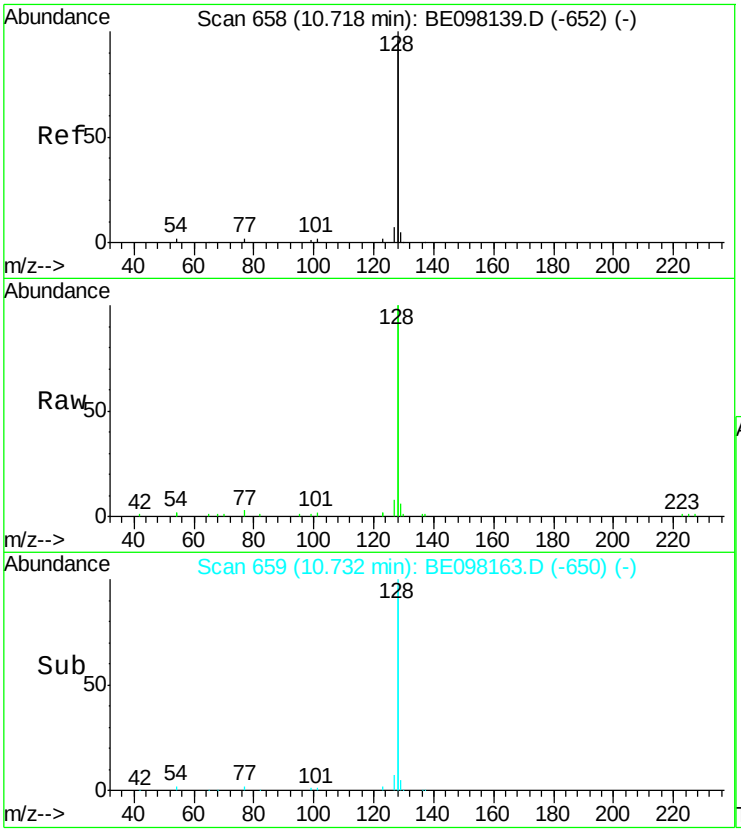


#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion: 82 Resp: 2137

Ion	Ratio	Lower	Upper
82	100		
128	121.2	129.9	194.9#
54	266.8	174.0	261.0#



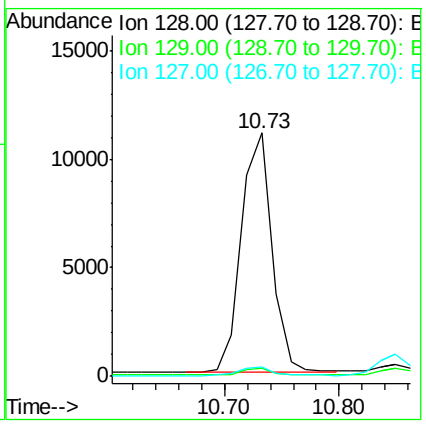


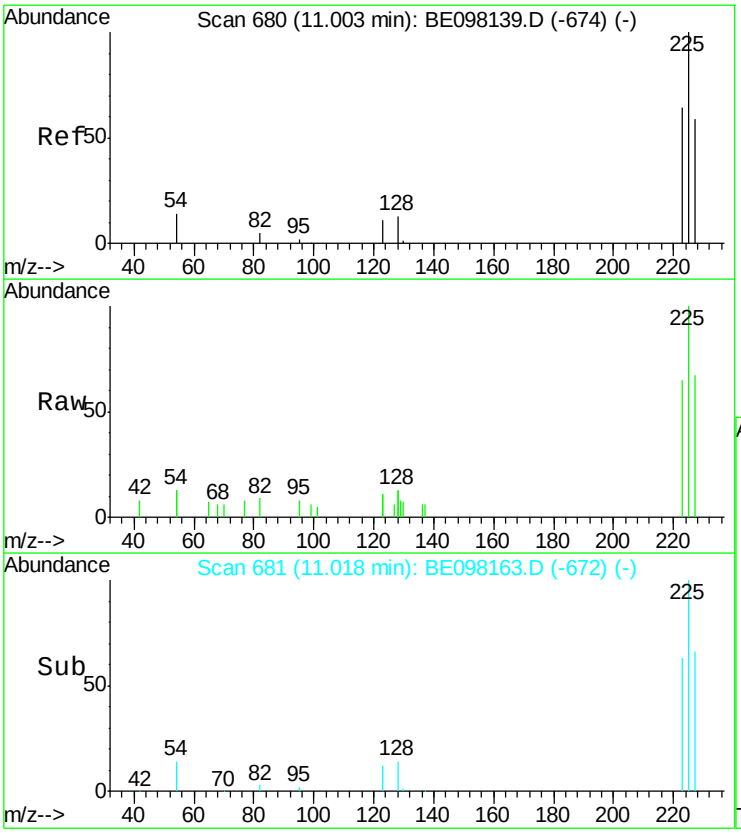
#9
Naphthalene
Concen: 0.414 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 20338

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.5	3.7
127	3.8	2.8	4.2

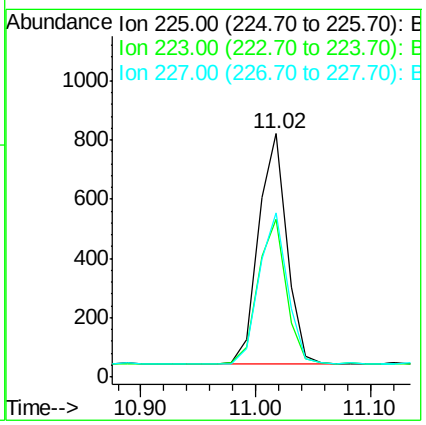


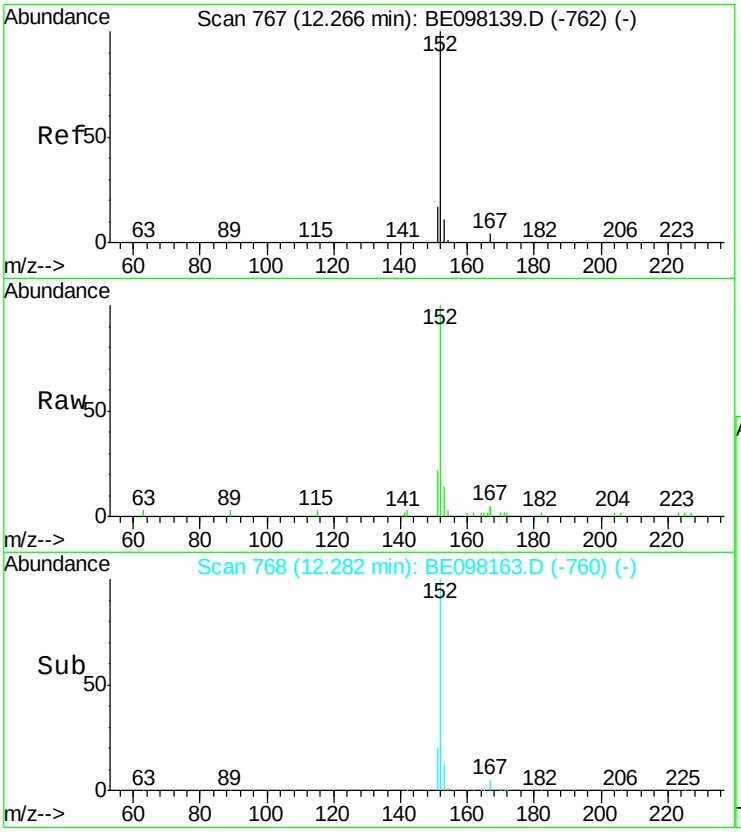


#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 11.02 min Scan# 681
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:225 Resp: 1338

Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.8	77.8
227	66.2	53.0	79.6



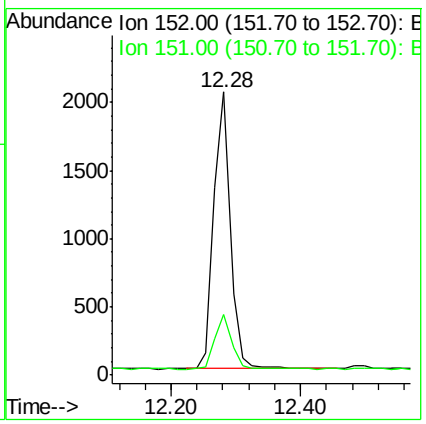


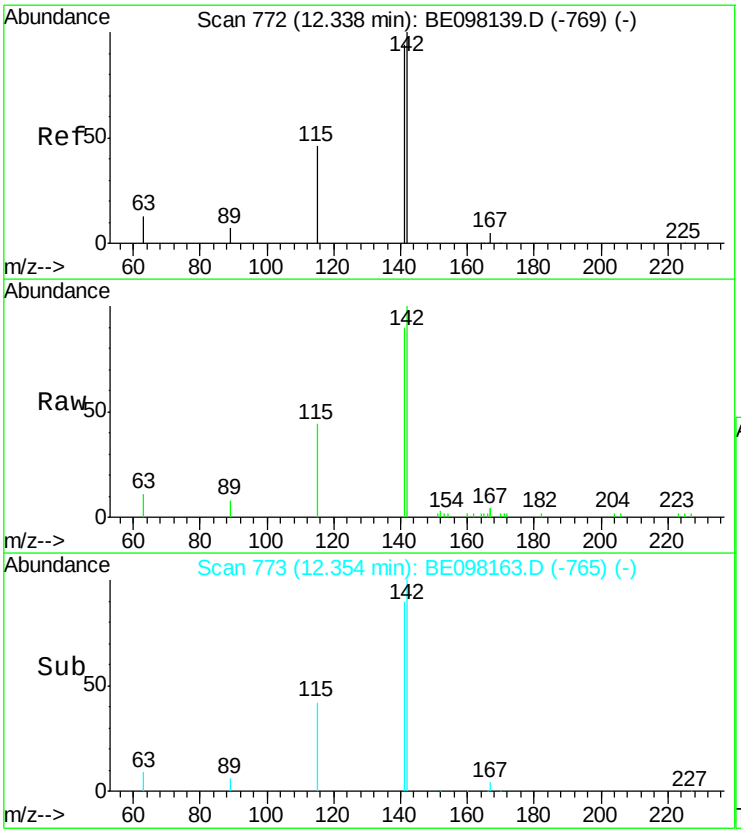
#11
2-Methylnaphthalene-d10
Concen: 0.416 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.02 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3607

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4

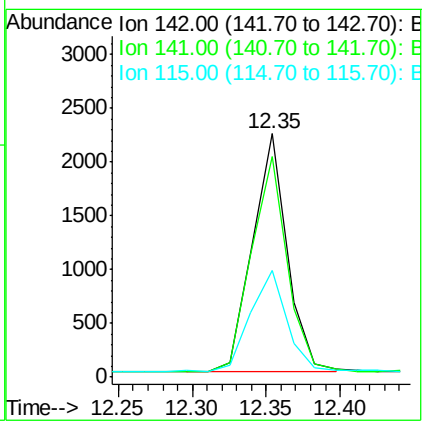


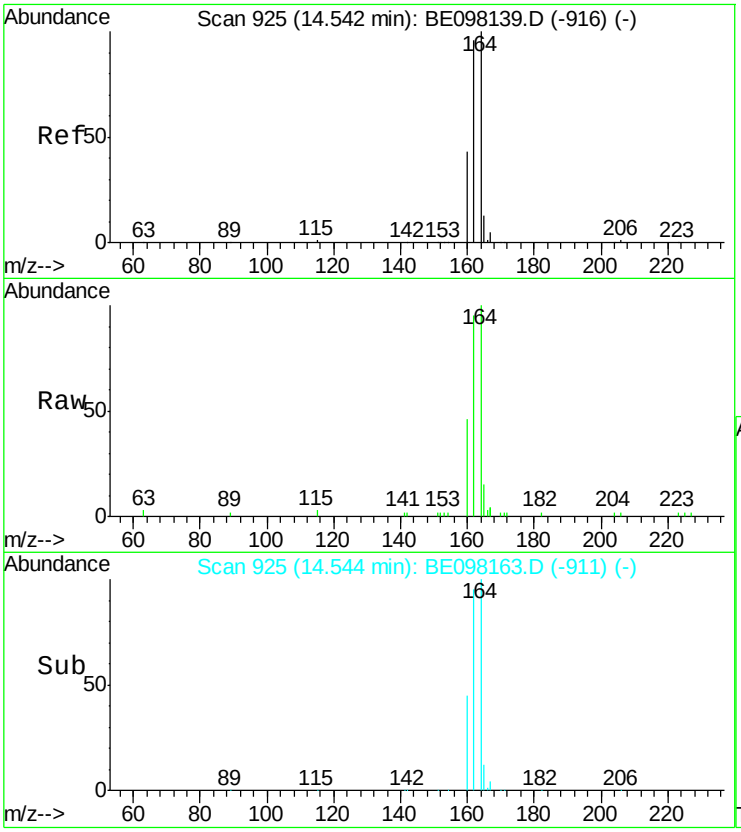


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.35 min Scan# 773
Delta R.T. 0.02 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:142 Resp: 3582

Ion	Ratio	Lower	Upper
142	100		
141	90.4	69.8	104.6
115	43.6	30.5	45.7



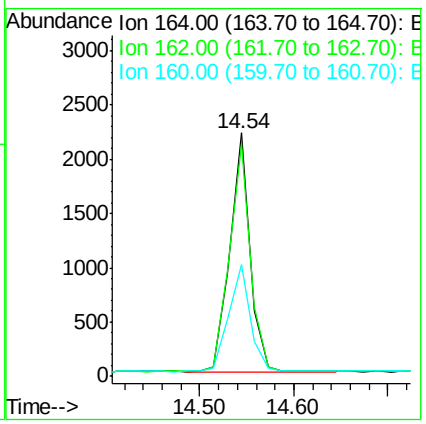


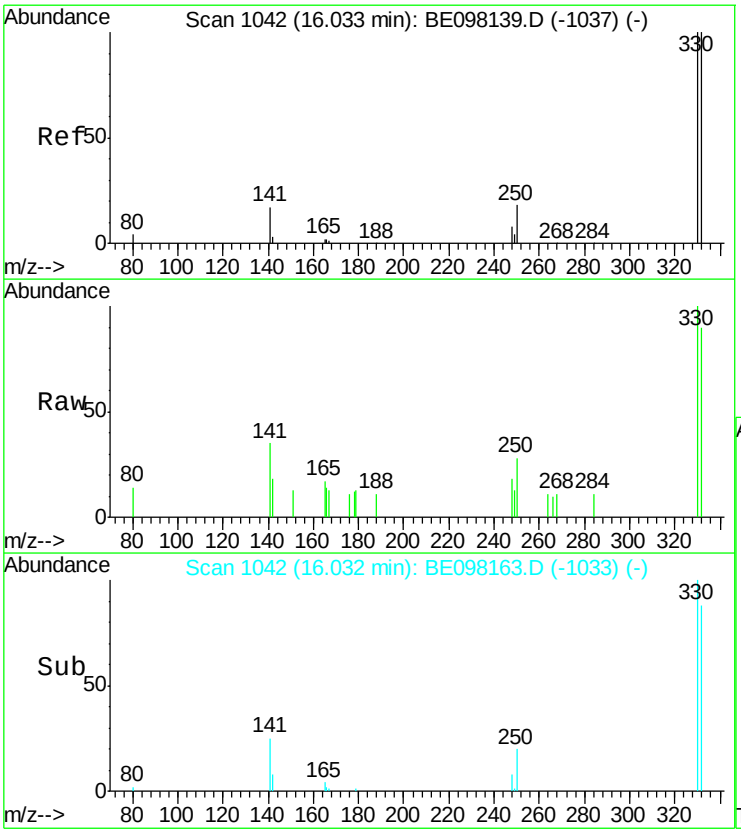
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 3245

Ion	Ratio	Lower	Upper
164	100		
162	95.2	77.4	116.2
160	45.7	36.5	54.7

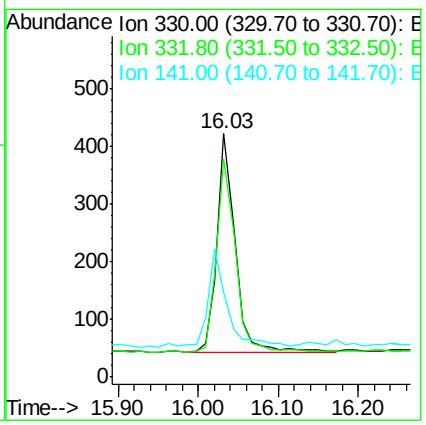


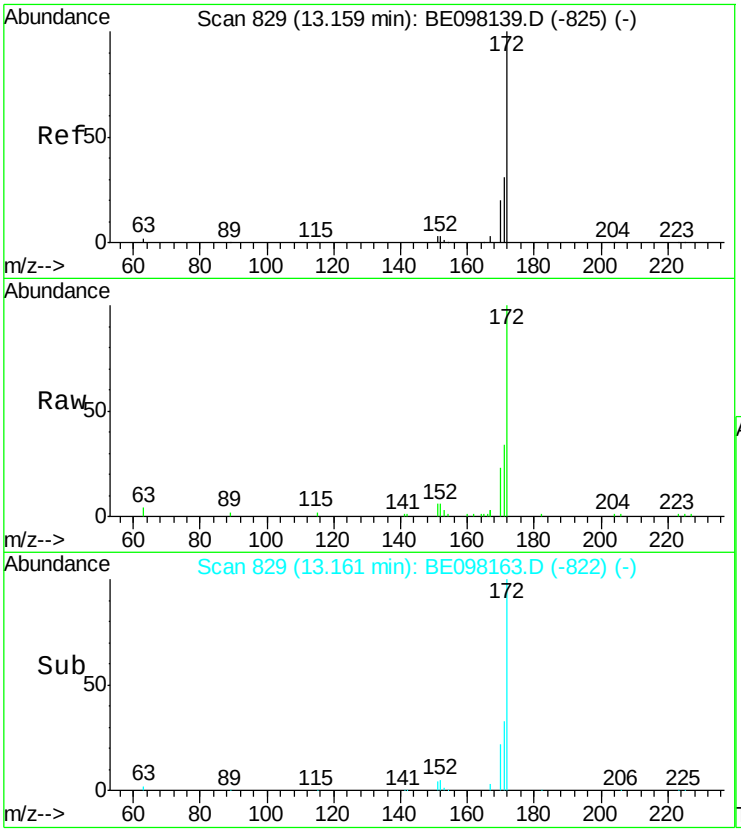


#14
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:330 Resp: 594

Ion	Ratio	Lower	Upper
330	100		
332	92.6	76.5	114.7
141	46.1	31.8	47.6



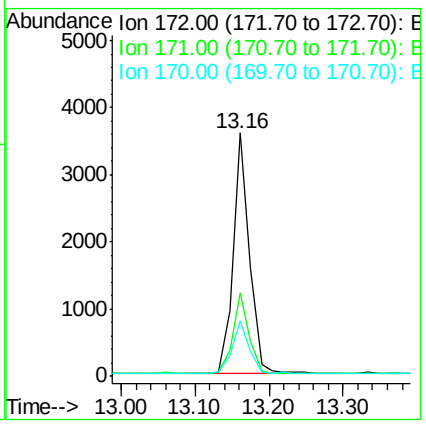


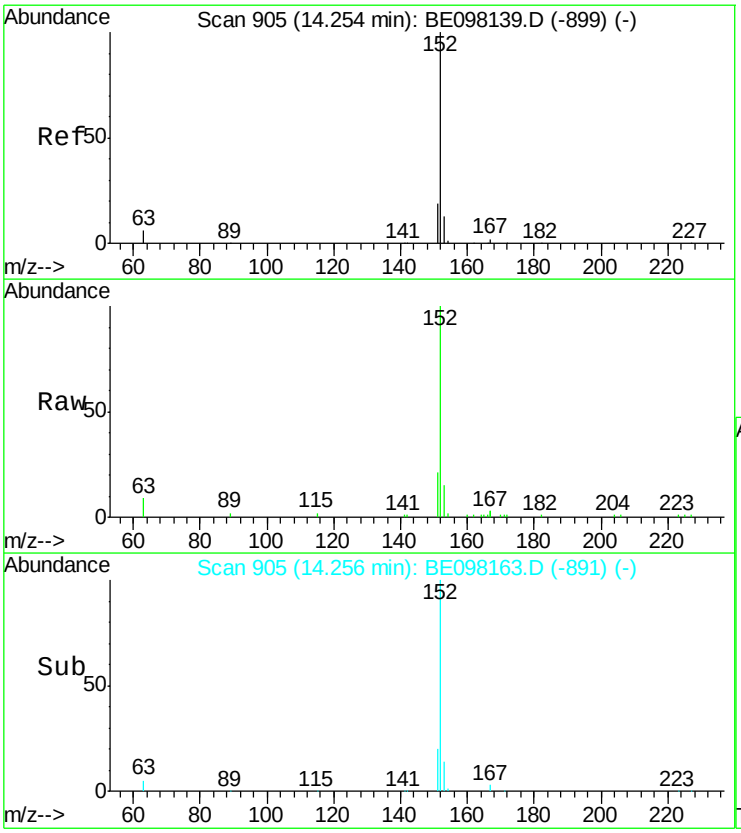
#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 5452

Ion	Ratio	Lower	Upper
172	100		
171	34.1	26.0	39.0
170	22.9	18.0	27.0

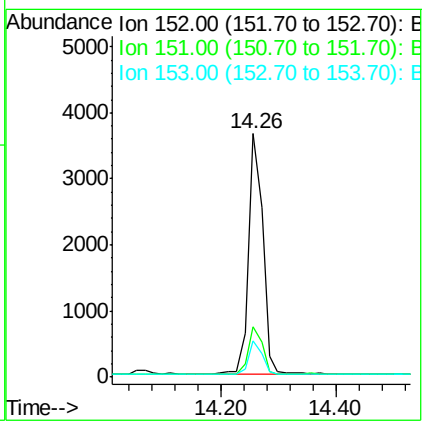


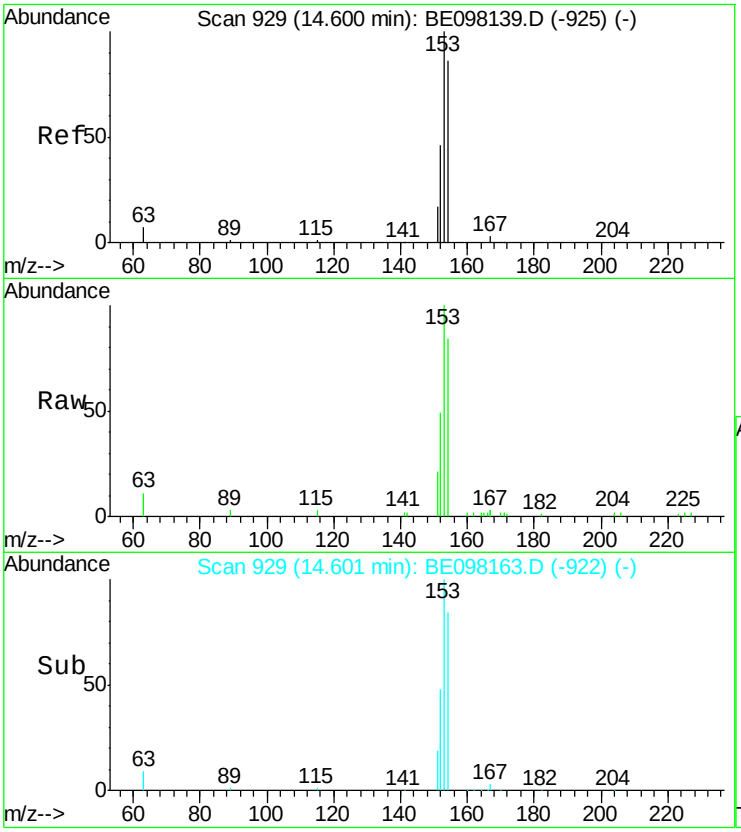


#16
Acenaphthylene
Concen: 0.420 ng
RT: 14.26 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:152 Resp: 6213

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	12.9	10.9	16.3



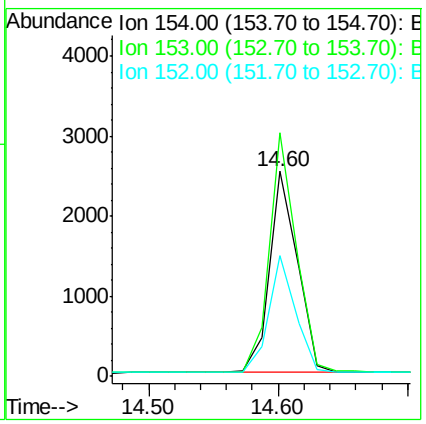


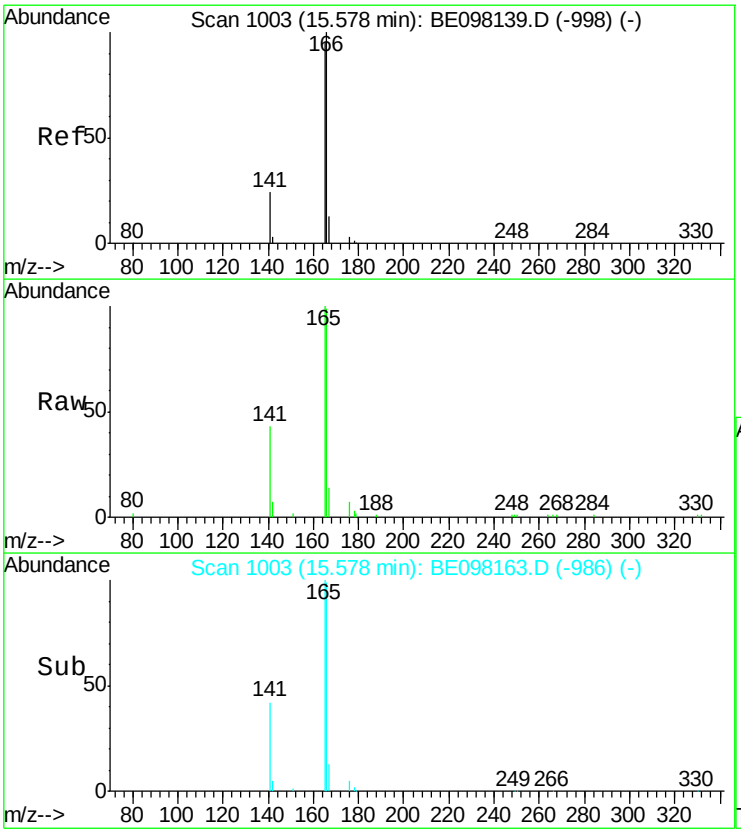
#17
Acenaphthene
Concen: 0.421 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 3746

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.6	139.0
152	56.5	45.5	68.3

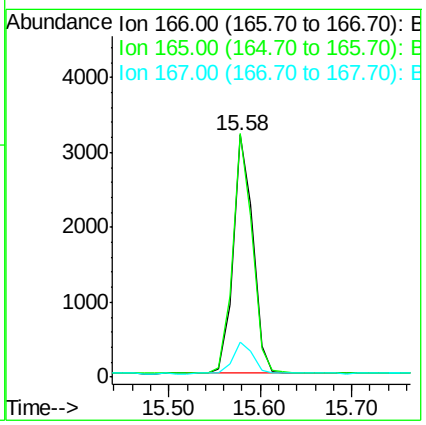


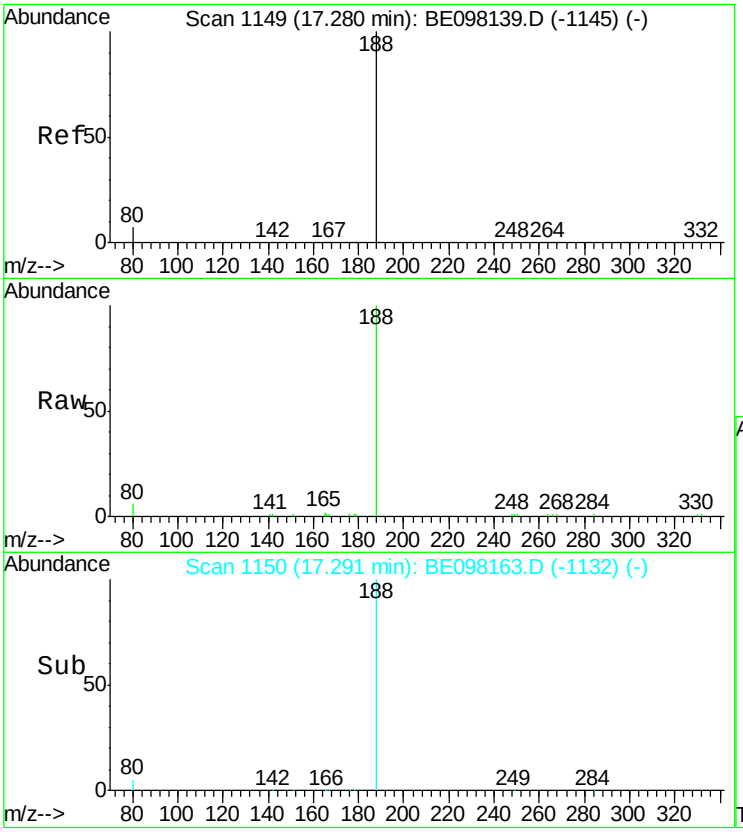


#18
Fluorene
Concen: 0.408 ng
RT: 15.58 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:166 Resp: 4815

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.4
167	13.7	11.0	16.6



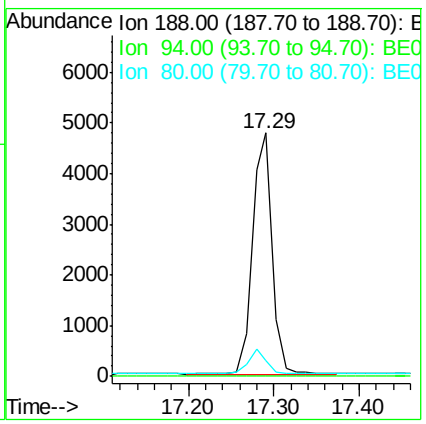


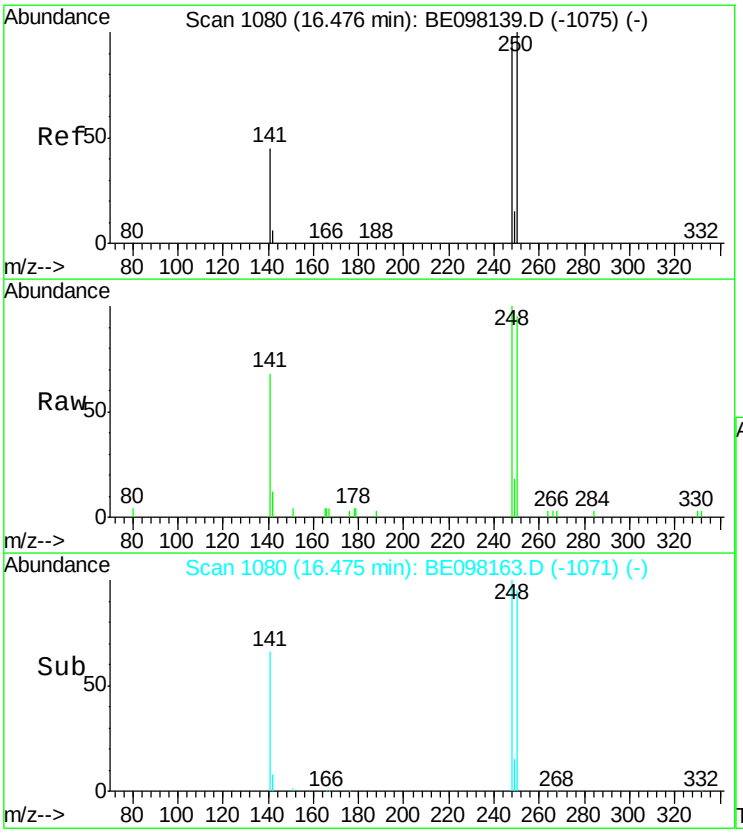
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 7642

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	6.3	9.5

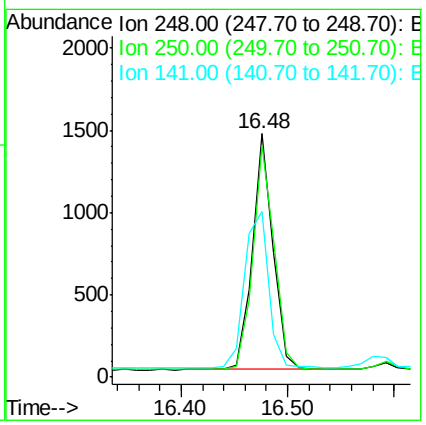


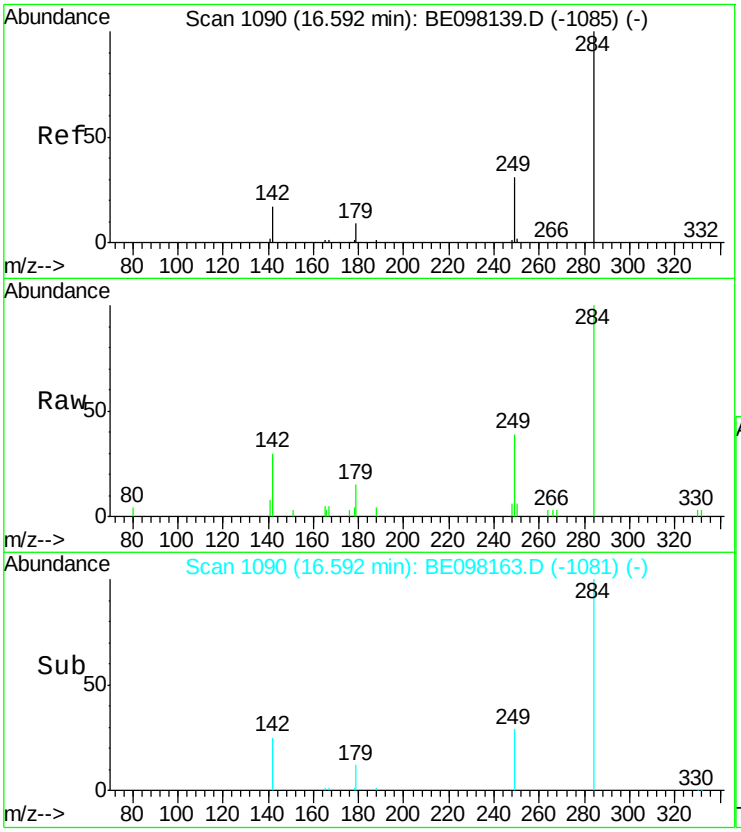


#20
4-Bromophenyl-phenylether
Concen: 0.415 ng
RT: 16.48 min Scan# 1080
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:248 Resp: 1933

Ion	Ratio	Lower	Upper
248	100		
250	95.1	75.1	112.7
141	68.2	51.8	77.8



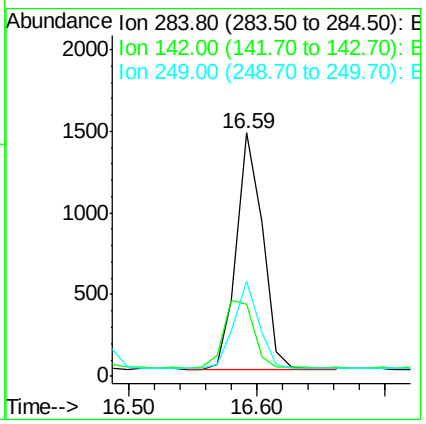


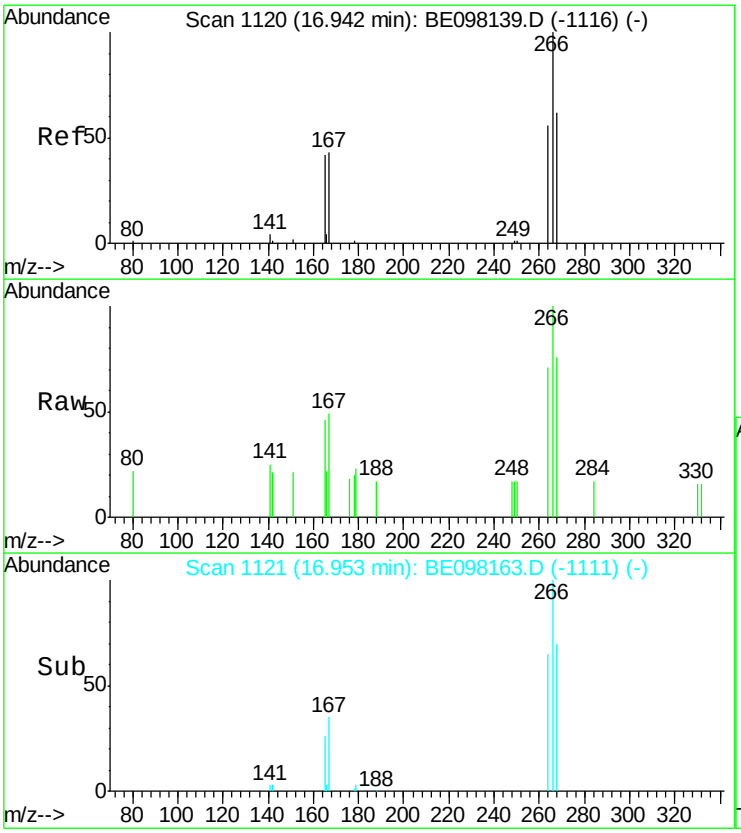
#21
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 2045

Ion	Ratio	Lower	Upper
284	100		
142	33.3	25.9	38.9
249	36.2	26.6	40.0

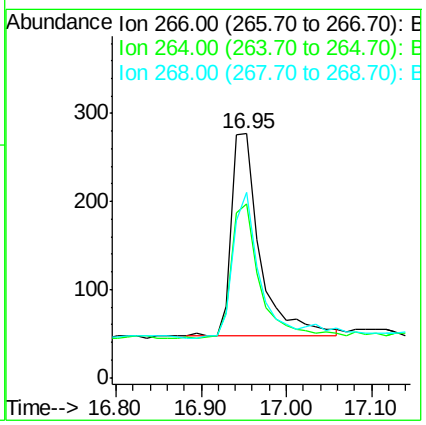


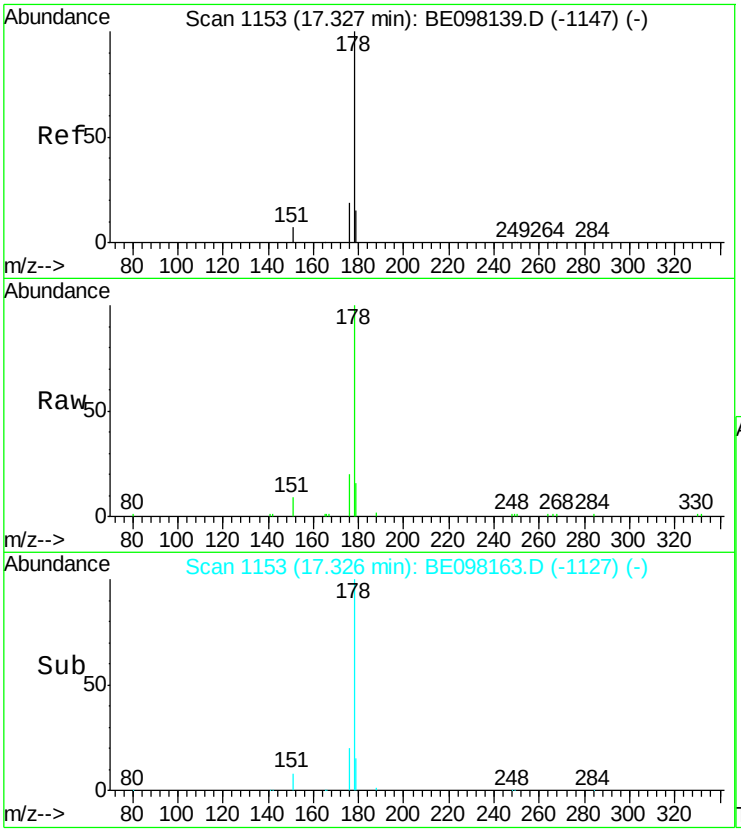


#22
Pentachlorophenol
Concen: 0.500 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:266 Resp: 527

Ion	Ratio	Lower	Upper
266	100		
264	71.5	51.3	76.9
268	75.8	50.1	75.1#



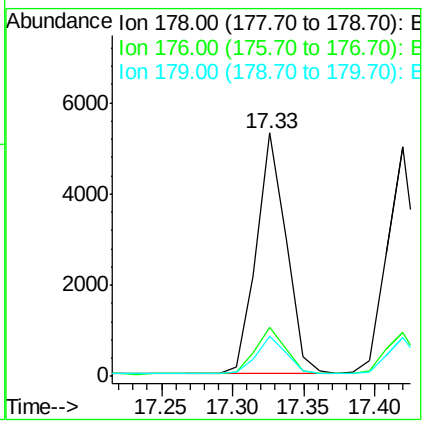


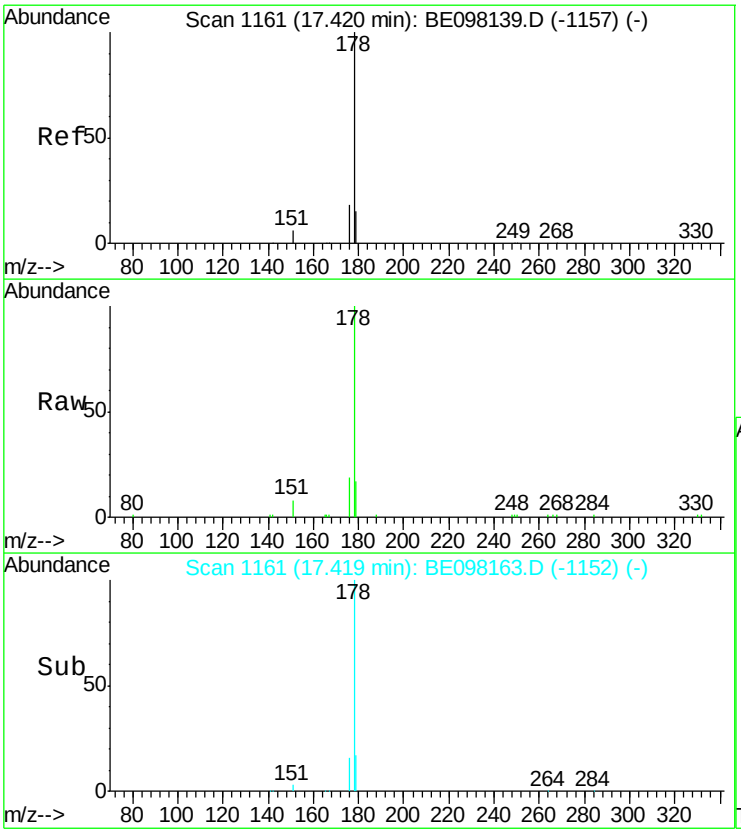
#23
Phenanthrene
Concen: 0.406 ng
RT: 17.33 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 7691

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.4	12.2	18.4

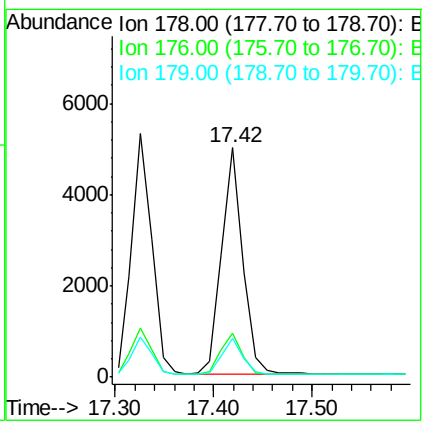


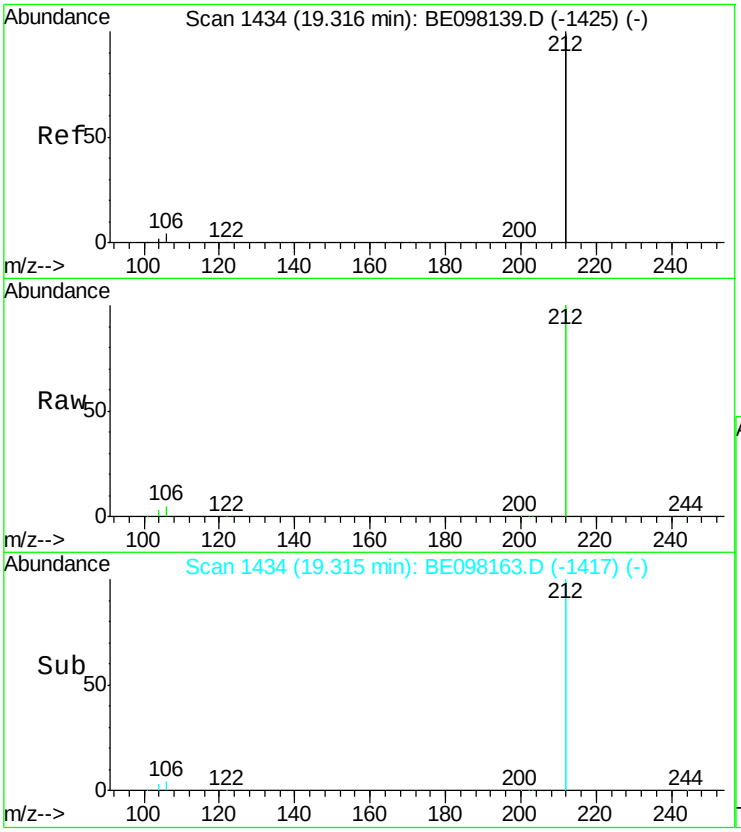


#24
Anthracene
Concen: 0.413 ng
RT: 17.42 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:178 Resp: 7434

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.0	11.9	17.9



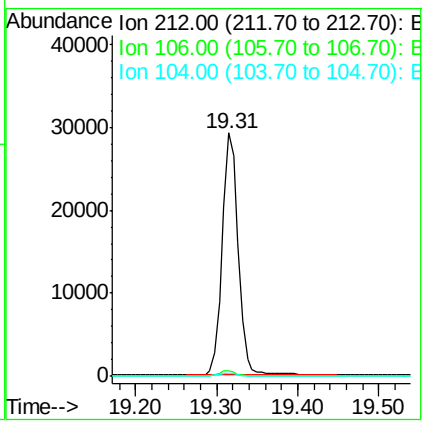


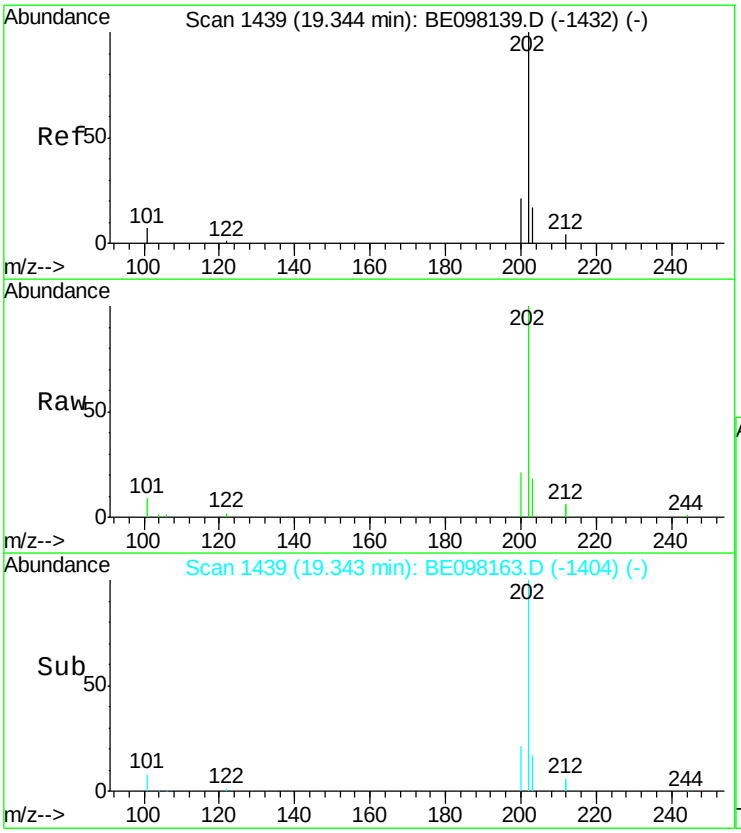
#25
Fluoranthene-d10
Concen: 0.401 ng
RT: 19.31 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 39479

Ion	Ratio	Lower	Upper
212	100		
106	2.2	2.3	3.5#
104	1.3	1.3	1.9#

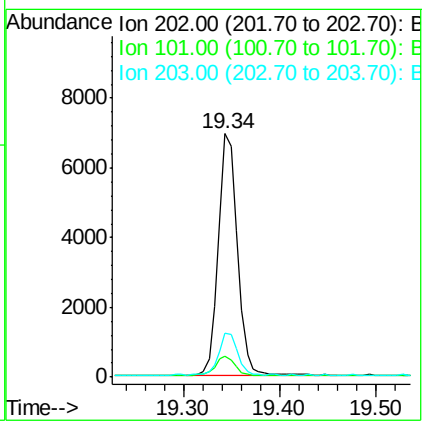


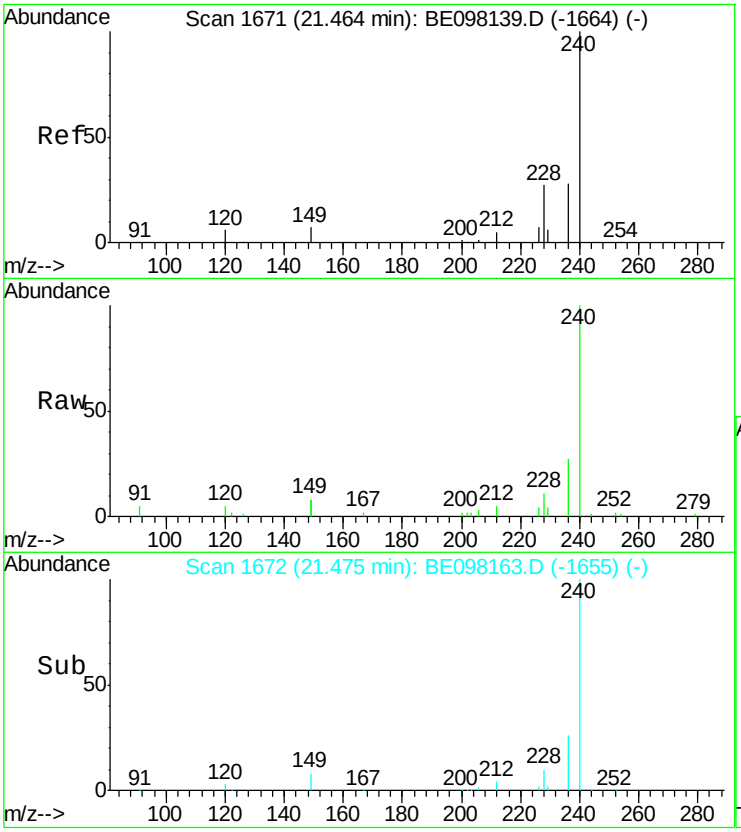


#26
Fluoranthene
Concen: 0.403 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:202 Resp: 9556

Ion	Ratio	Lower	Upper
202	100		
101	8.4	8.2	12.2
203	16.9	15.0	22.4



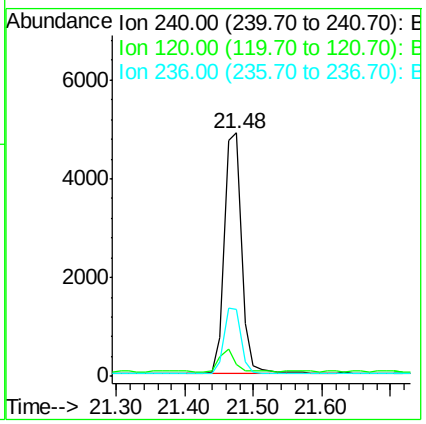


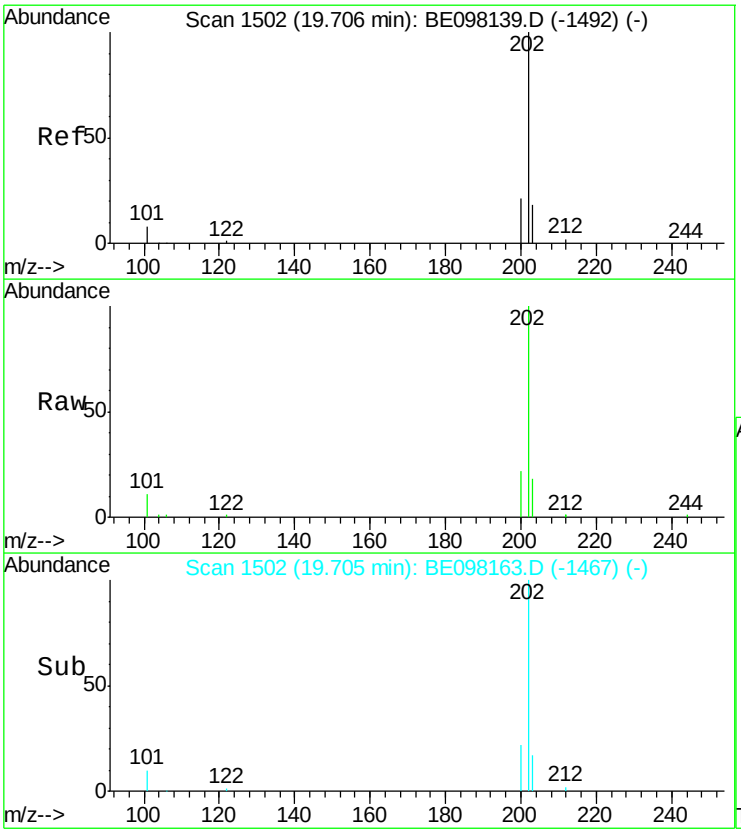
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.48 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 8546

Ion	Ratio	Lower	Upper
240	100		
120	4.7	7.1	10.7#
236	27.4	21.3	31.9

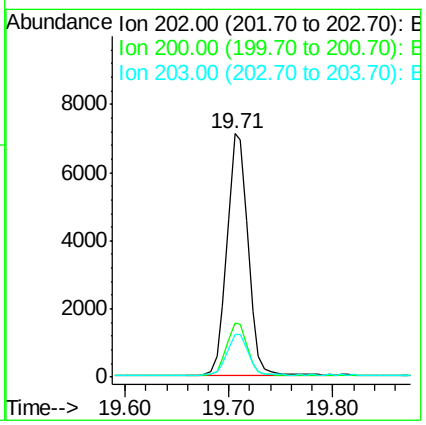


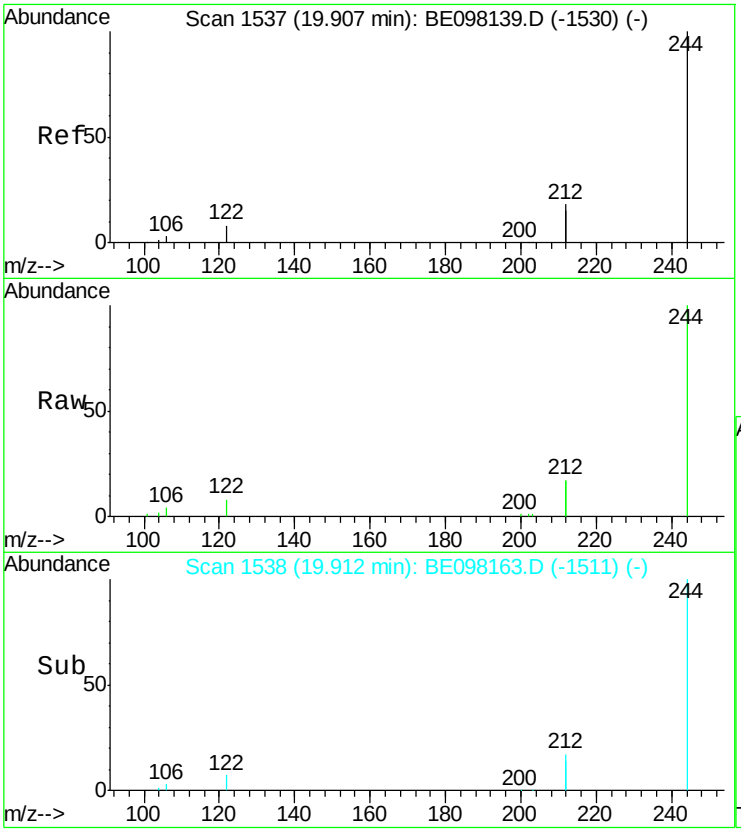


#28
Pyrene
Concen: 0.425 ng
RT: 19.71 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:202 Resp: 9916

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.3	14.2	21.4



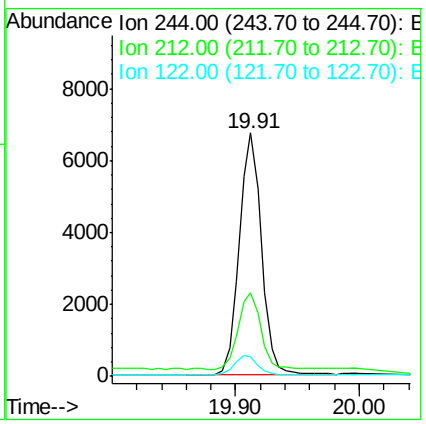


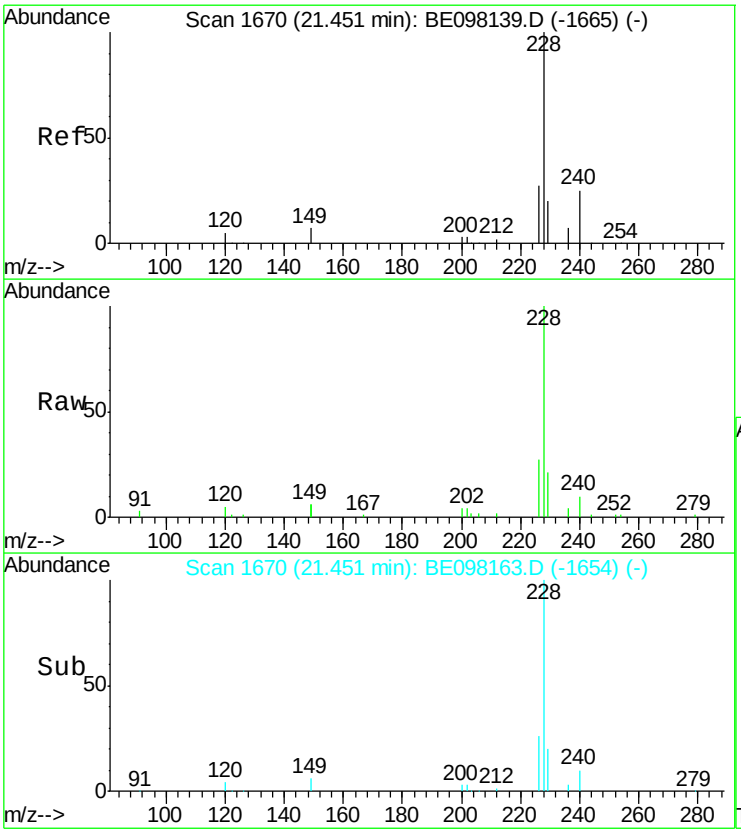
#29
Terphenyl-d14
Concen: 0.423 ng
RT: 19.91 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 8403

Ion	Ratio	Lower	Upper
244	100		
212	34.2	26.2	39.2
122	7.9	7.7	11.5

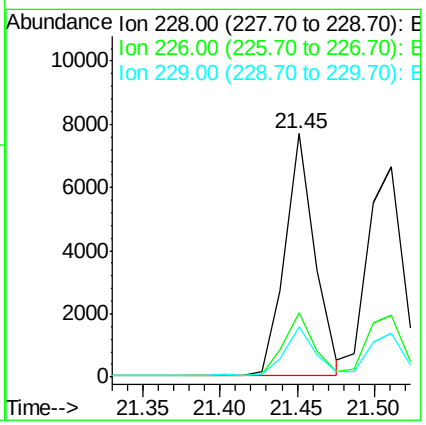


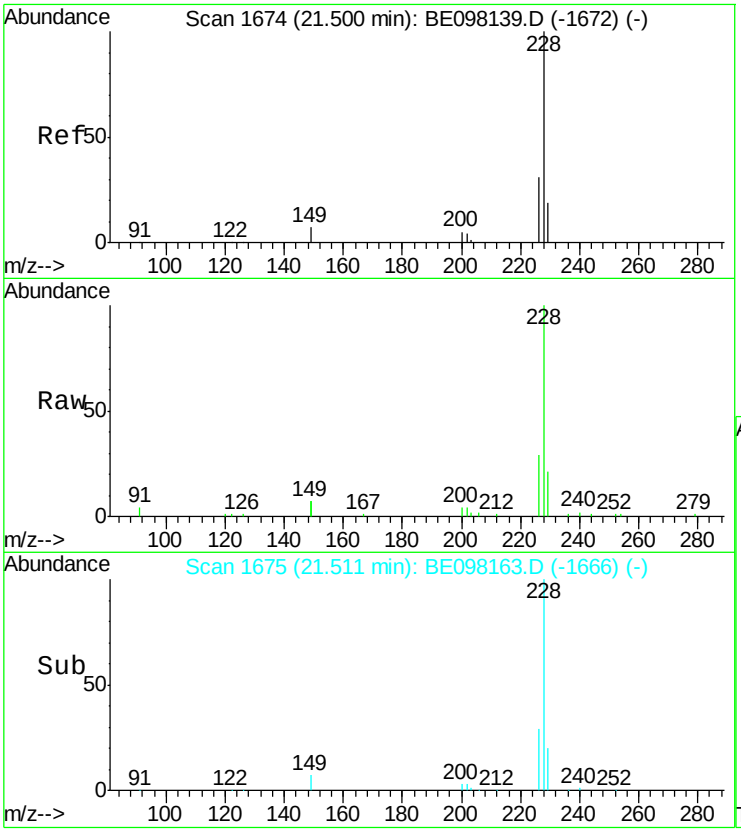


#30
Benzo(a)anthracene
Concen: 0.414 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:228 Resp: 10343

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	20.8	16.9	25.3



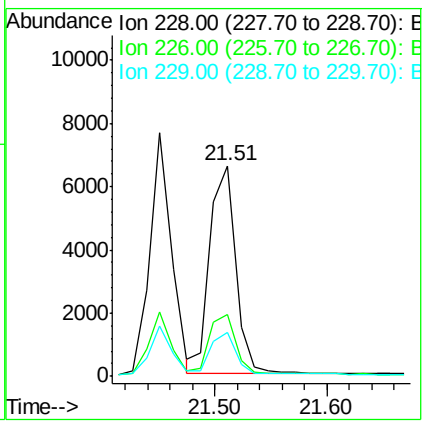


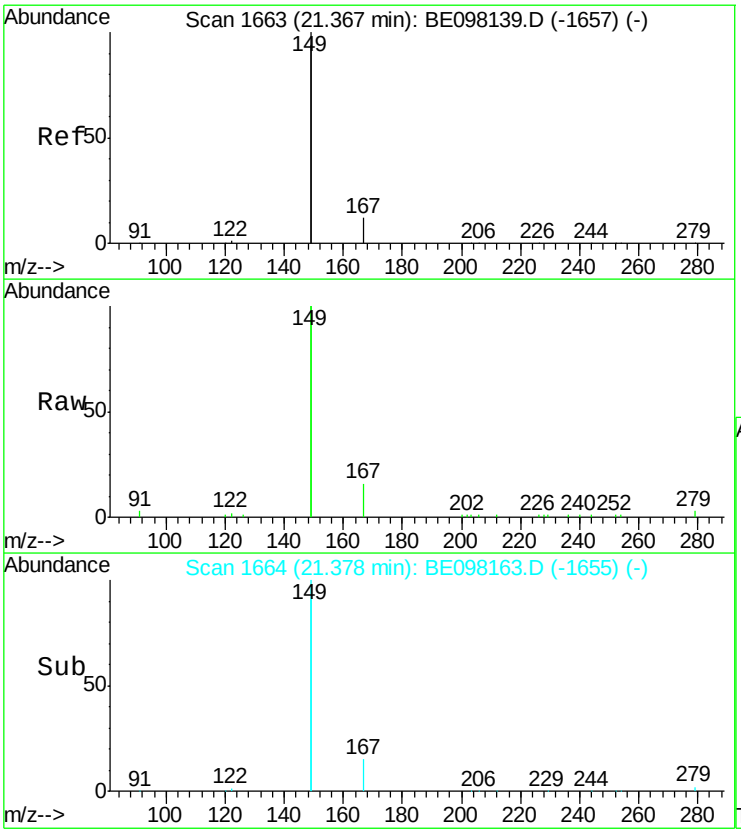
#31
Chrysene
Concen: 0.427 ng
RT: 21.51 min Scan# 1675
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 10538

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.3	36.5
229	20.6	17.3	25.9

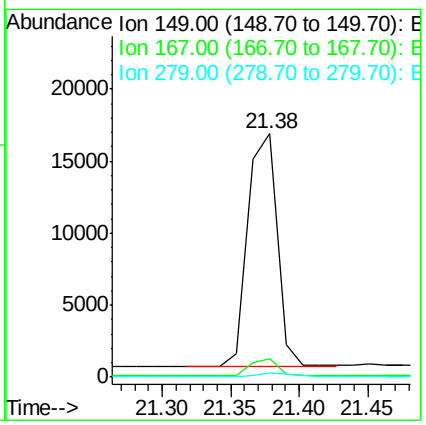


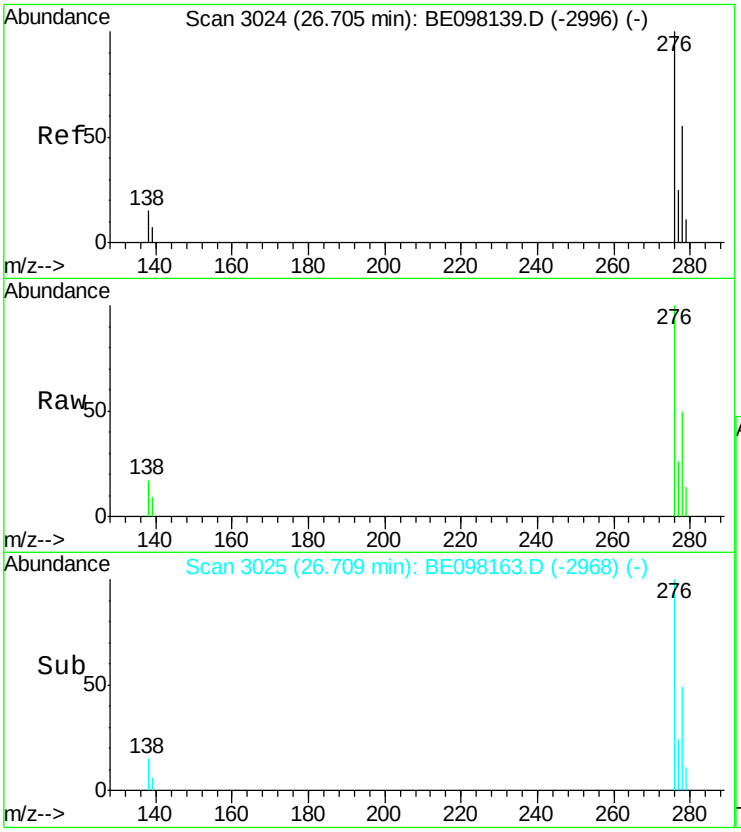


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.288 ng
RT: 21.38 min Scan# 1664
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:149 Resp: 24207

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.6	8.4
279	1.1	0.9	1.3



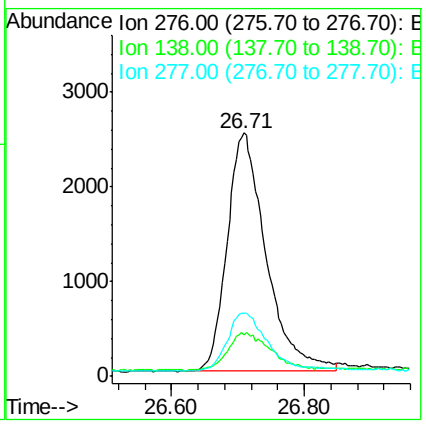


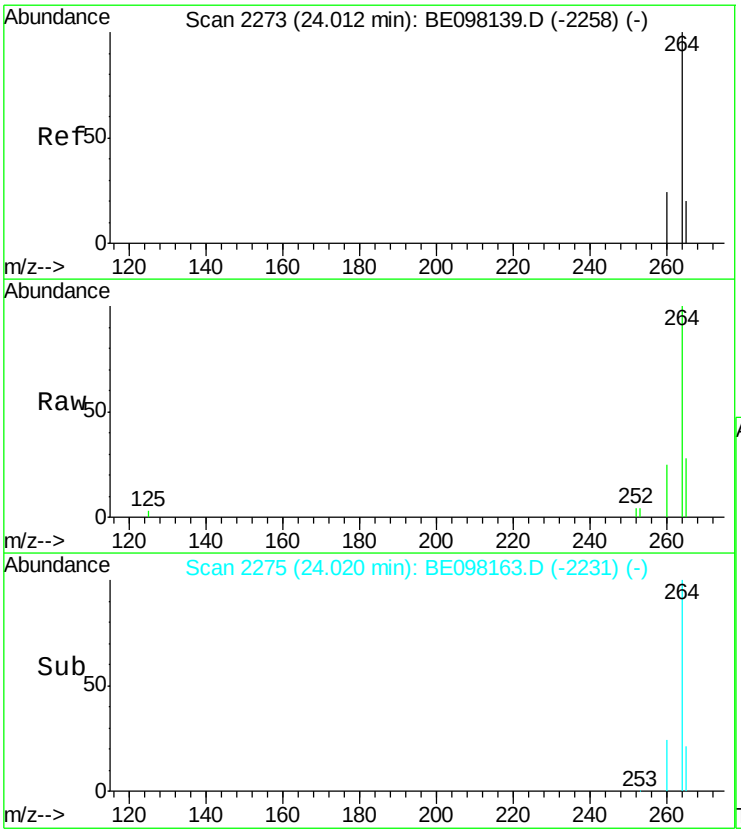
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.400 ng
RT: 26.71 min Scan# 3025
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 10286

Ion	Ratio	Lower	Upper
276	100		
138	17.6	17.0	25.6
277	24.8	20.5	30.7

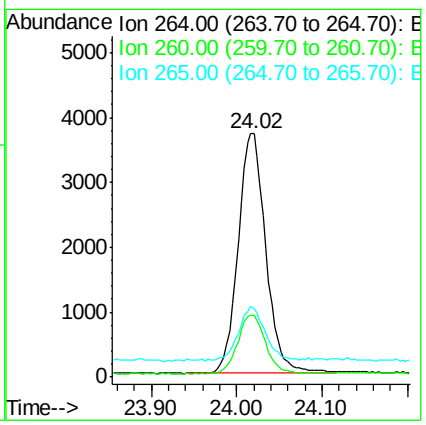


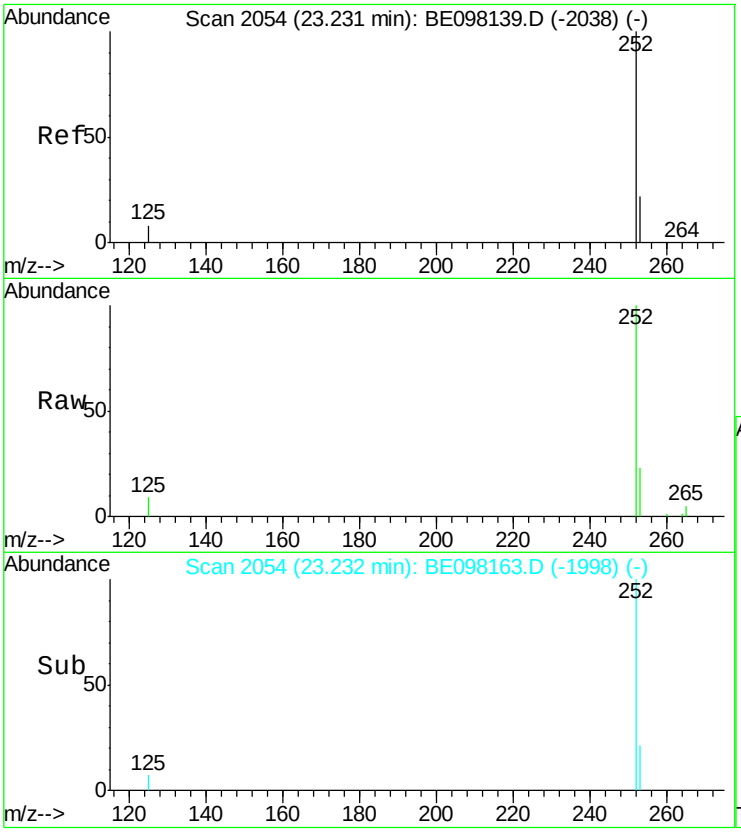


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:264 Resp: 8340

Ion	Ratio	Lower	Upper
264	100		
260	25.2	21.1	31.7
265	27.8	29.2	43.8#



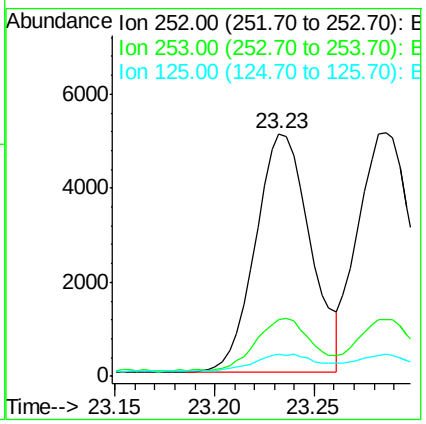


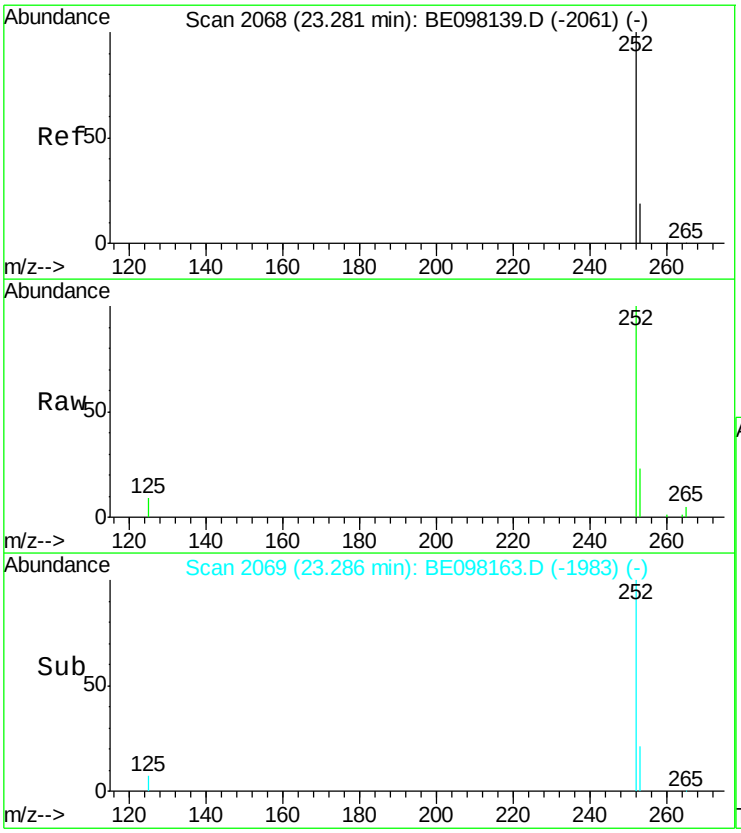
#35
Benzo(b)fluoranthene
Concen: 0.413 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9689

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.6	31.0
125	9.0	14.3	21.5#

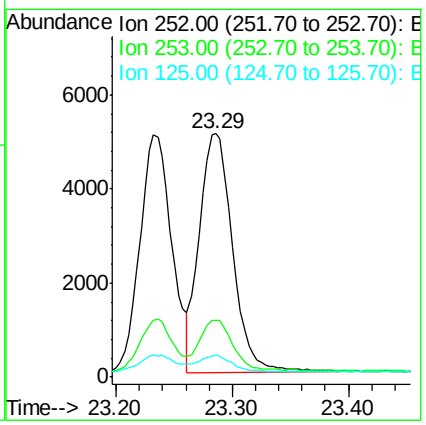


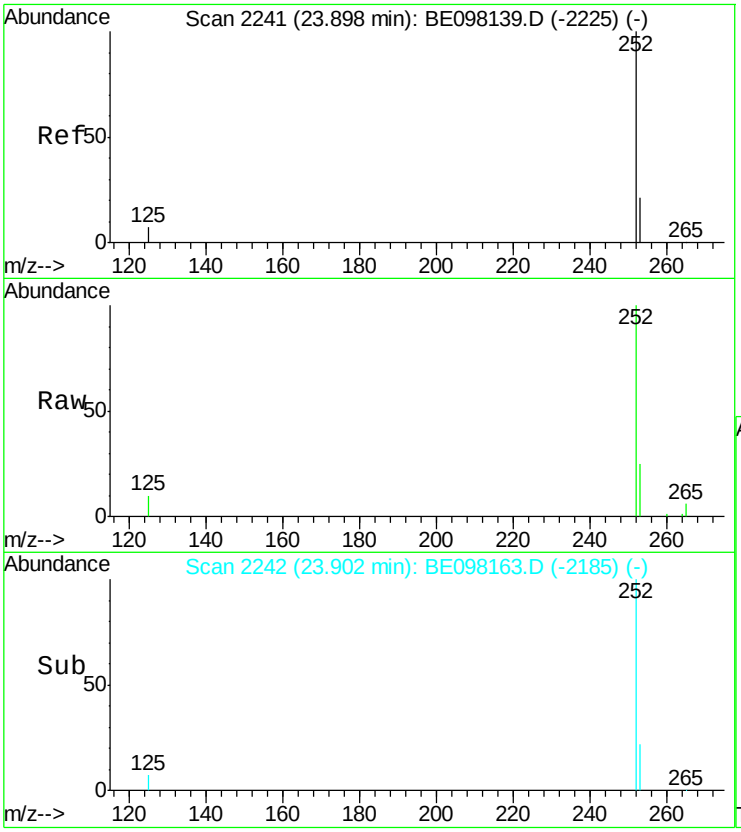


#36
Benzo(k)fluoranthene
Concen: 0.414 ng
RT: 23.29 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:252 Resp: 10066

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.4	30.6
125	9.0	14.6	21.8#



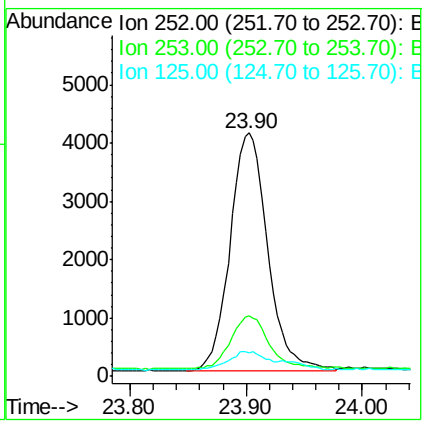


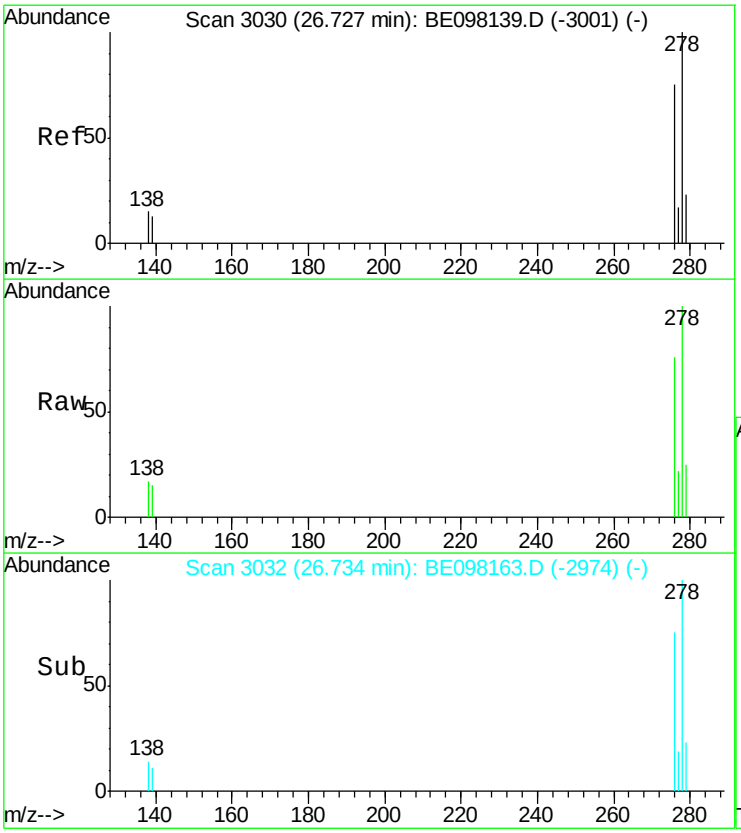
#37
Benzo(a)pyrene
Concen: 0.399 ng
RT: 23.90 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9160

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.6	31.0
125	9.7	15.6	23.4#

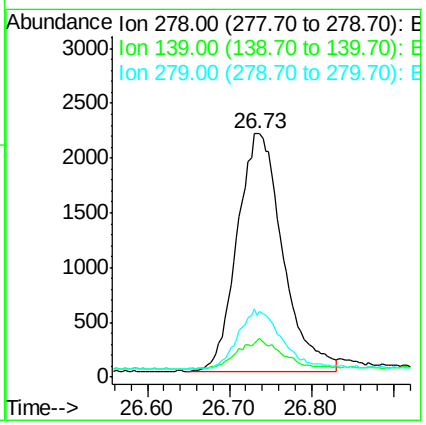


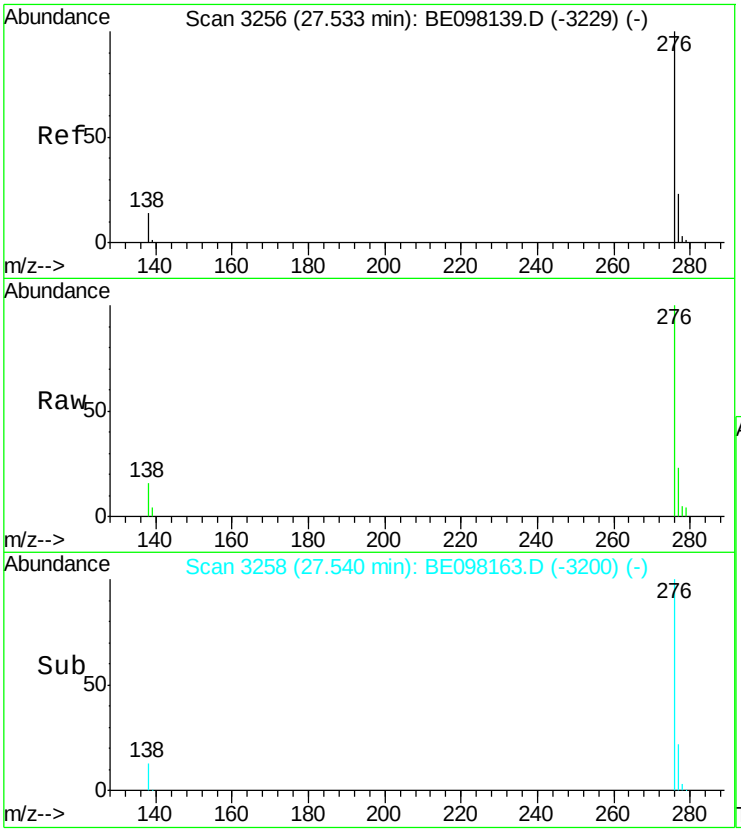


#38
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 26.73 min Scan# 3032
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Tgt Ion:278 Resp: 8374

Ion	Ratio	Lower	Upper
278	100		
139	14.8	16.3	24.5#
279	25.3	21.4	32.2





#39
Benzo(g,h,i)perylene
Concen: 0.407 ng
RT: 27.54 min Scan# 3258
Delta R.T. 0.01 min
Lab File: BE098163.D
Acq: 5 Nov 2018 16:47

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 8675

Ion	Ratio	Lower	Upper
276	100		
277	23.5	22.1	33.1
138	15.9	19.3	28.9#