Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
Data File : BE098381.D
Acq On : 13 Dec 2018 3:25
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Dec 13 07:26:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1245	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	5457	0.40	ng		-0.01
13) Acenaphthene-d10	14.53	164	3583	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	9594	0.40	ng		-0.01
27) Chrysene-d12	21.46	240	11345	0.40	ng		0.00
34) Perylene-d12	24.00	264	10913	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	1084	0.37	ng		0.01
5) Phenol-d6	7.05	99	1548	0.38	ng		0.00
8) Nitrobenzene-d5	9.03	82	1879	0.38	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	3355	0.38	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	502	0.38	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	5446	0.36	ng		0.00
25) Fluoranthene-d10	19.30	212	46979	0.38	ng		0.00
29) Terphenyl-d14	19.91	244	8941	0.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	792	0.368	ng		97
3) n-Nitrosodimethylamine	3.71	42	480	0.248	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	1290	0.329	ng		87
9) Naphthalene	10.71	128	21346	0.389	ng		99
10) Hexachlorobutadiene	10.99	225	1471	0.421	ng		96
12) 2-Methylnaphthalene	12.34	142	3289	0.369	ng		99
16) Acenaphthylene	14.24	152	6196	0.369	ng		99
17) Acenaphthene	14.59	154	3748	0.372	ng		98
18) Fluorene	15.57	166	4986	0.370	ng		98
20) 4-Bromophenyl-phenylether	16.46	248	1813	0.351	ng	#	83
21) Hexachlorobenzene	16.58	284	2096	0.378	ng		95
22) Pentachlorophenol	16.94	266	256	0.300	ng		94
23) Phenanthrene	17.32	178	8652	0.371	ng		99
24) Anthracene	17.41	178	7062	0.340	ng		98
26) Fluoranthene	19.34	202	11973	0.388	ng		99
28) Pyrene	19.70	202	12052	0.339	ng		99
30) Benzo(a)anthracene	21.44	228	11605	0.359	ng		98
31) Chrysene	21.50	228	12739	0.376	ng		98
32) Bis(2-ethylhexyl)phthalate	21.35	149	21653	0.330	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	13146	0.390	ng		97
35) Benzo(b)fluoranthene	23.22	252	10845	0.363	ng		97
36) Benzo(k)fluoranthene	23.27	252	13435	0.386	ng		98
37) Benzo(a)pyrene	23.89	252	11283	0.366	ng		97
38) Dibenzo(a,h)anthracene	26.71	278	10680	0.368	ng		97
39) Benzo(g,h,i)perylene	27.51	276	10988	0.376	ng		99

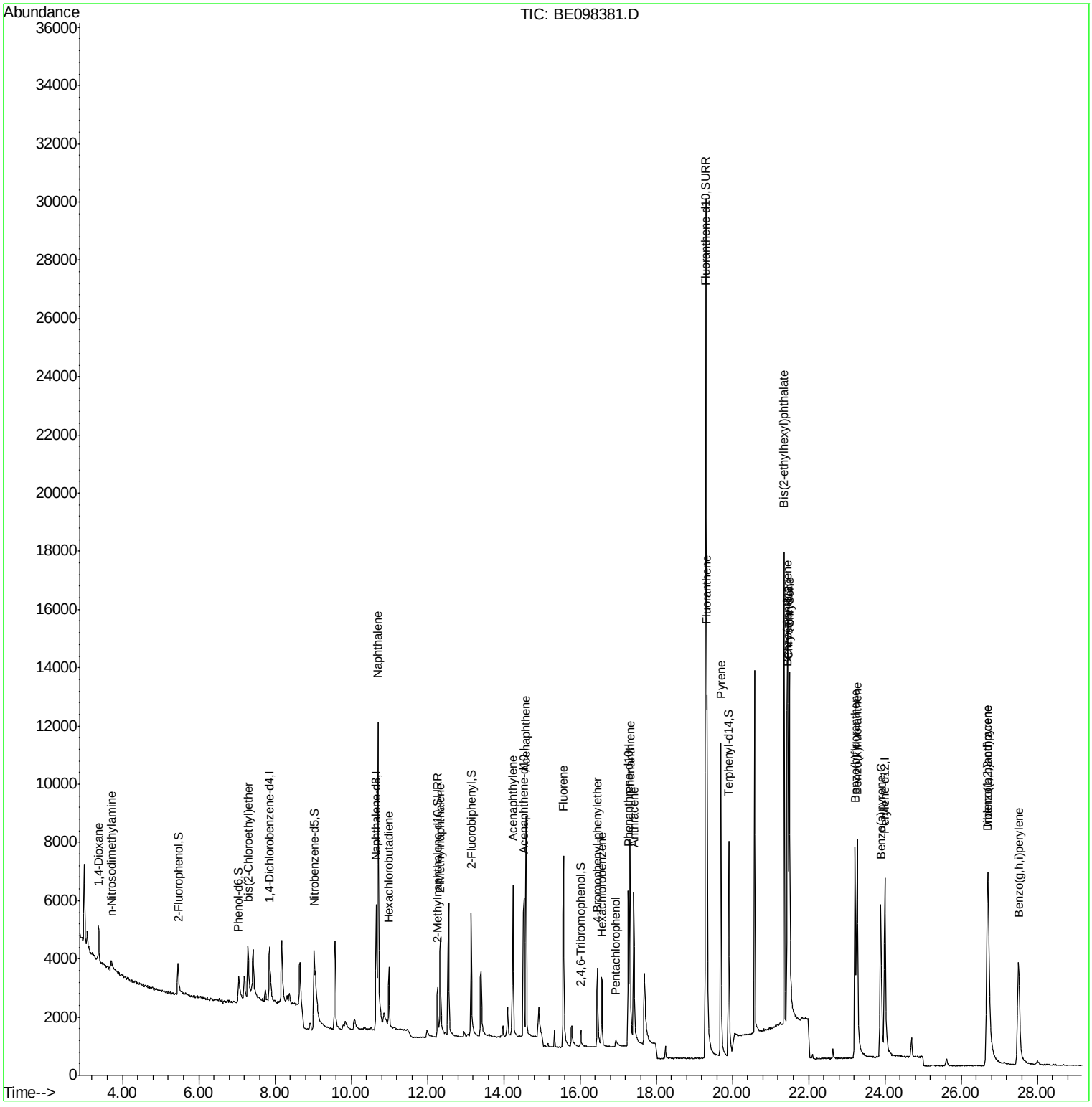
(#) = qualifier out of range (m) = manual integration (+) = signals summed

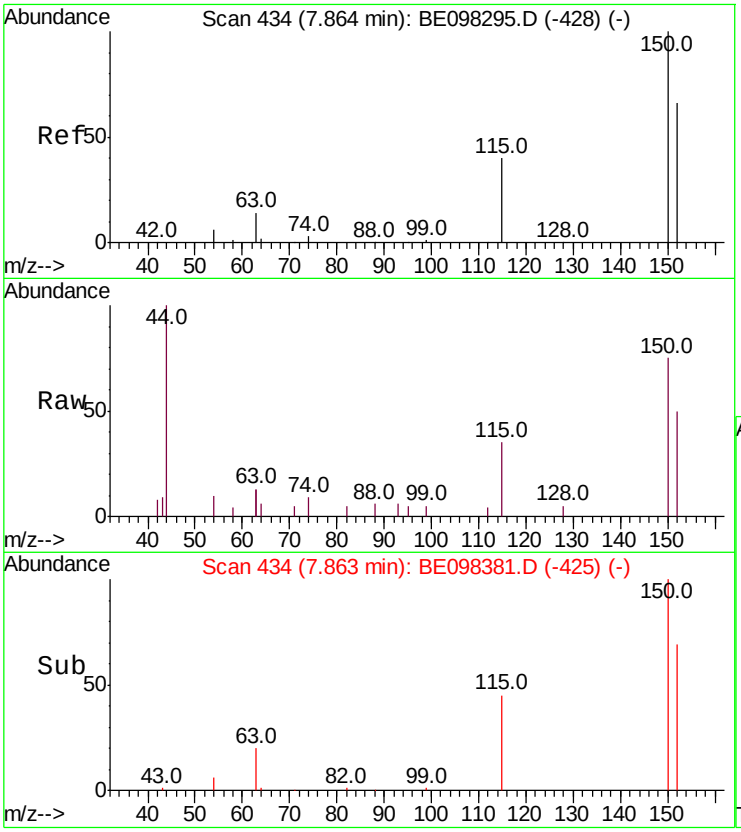
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
Data File : BE098381.D
Acq On : 13 Dec 2018 3:25
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 13 07:26:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



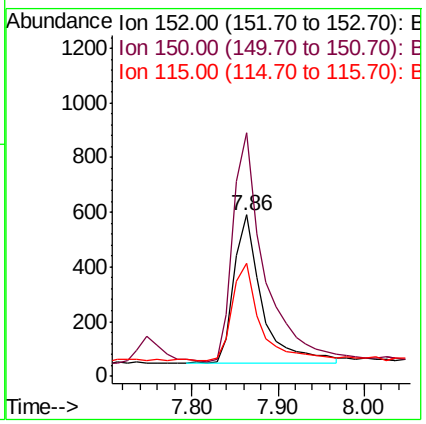


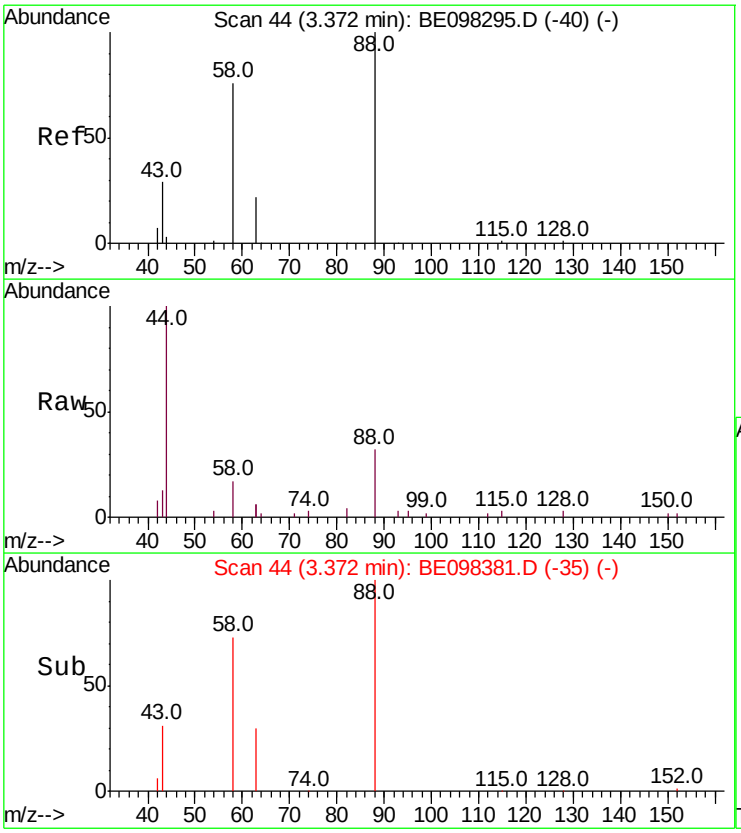
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1245

Ion	Ratio	Lower	Upper
152	100		
150	151.0	124.2	186.4
115	70.0	53.9	80.9

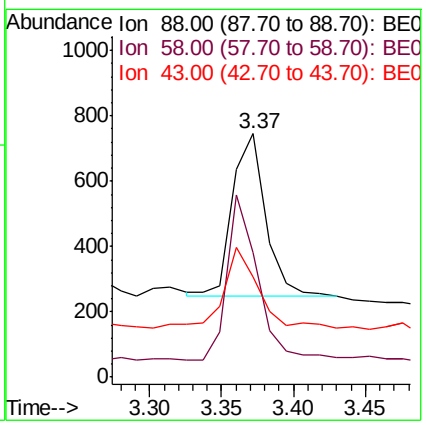


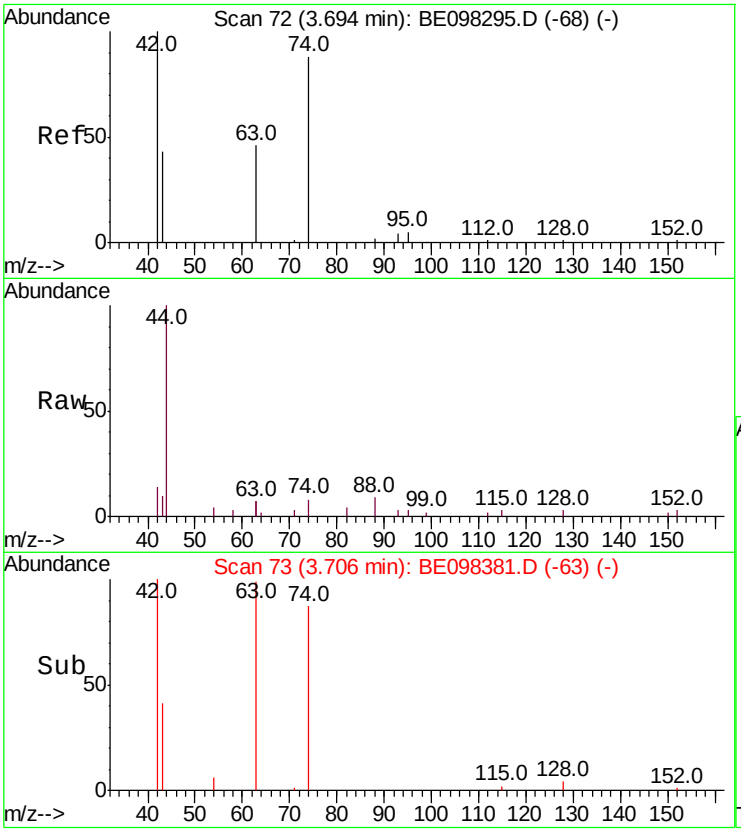


#2
1,4-Dioxane
Concen: 0.368 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion: 88 Resp: 792

Ion	Ratio	Lower	Upper
88	100		
58	92.7	75.0	112.6
43	51.6	38.3	57.5



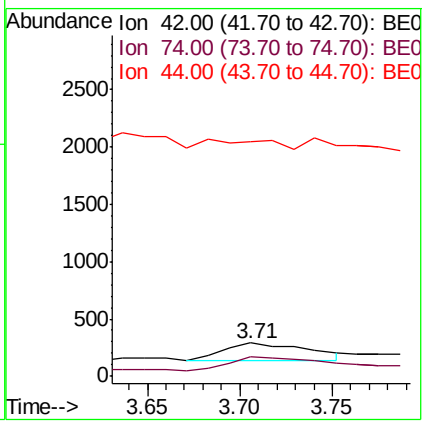


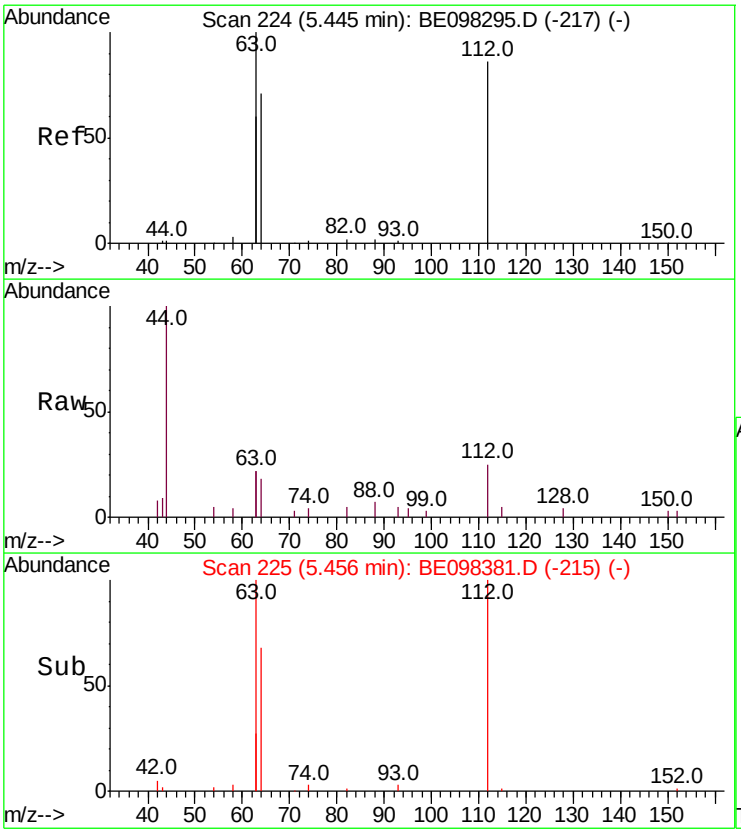
#3
n-Nitrosodimethylamine
Concen: 0.248 ng
RT: 3.71 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 480

Ion	Ratio	Lower	Upper
42	100		
74	74.4	0.0	0.0#
44	0.0	0.0	0.0

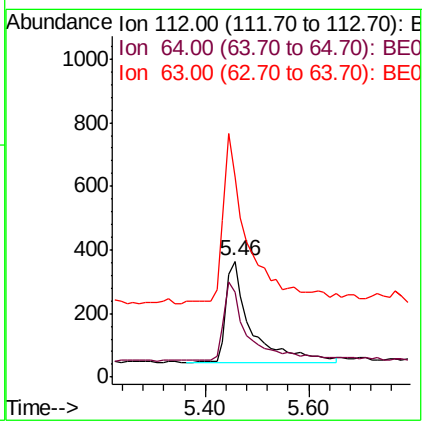


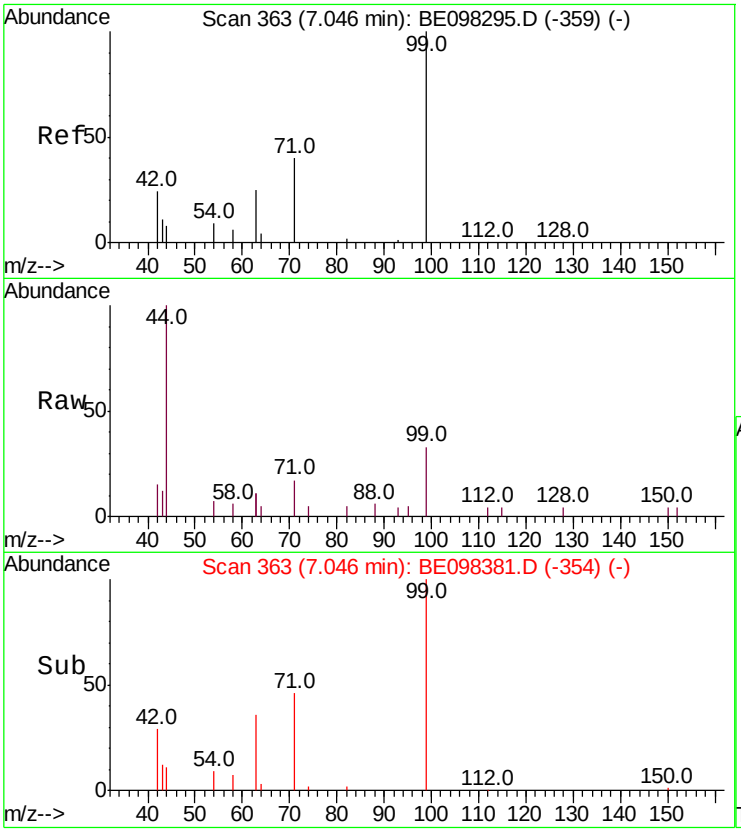


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:112 Resp: 1084

Ion	Ratio	Lower	Upper
112	100		
64	72.0	59.8	89.8
63	150.9	133.7	200.5



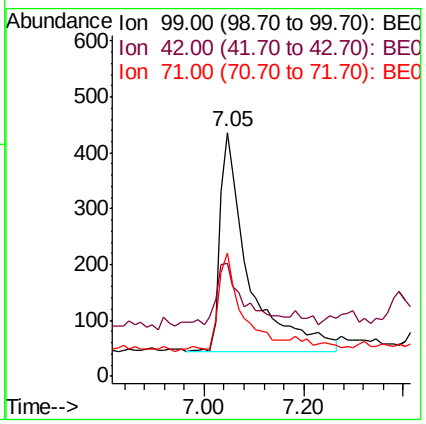


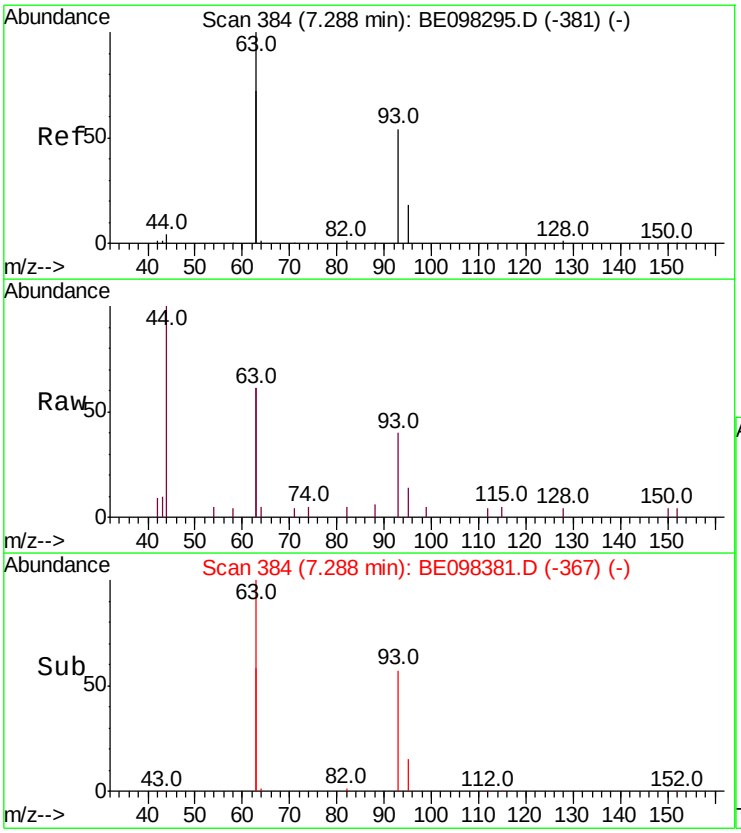
#5
Phenol-d6
Concen: 0.375 ng
RT: 7.05 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1548

Ion	Ratio	Lower	Upper
99	100		
42	24.7	26.3	39.5#
71	34.2	33.6	50.4

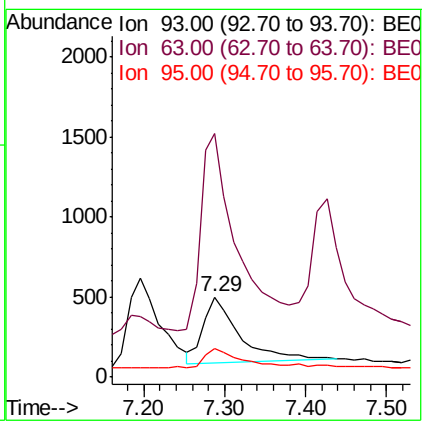


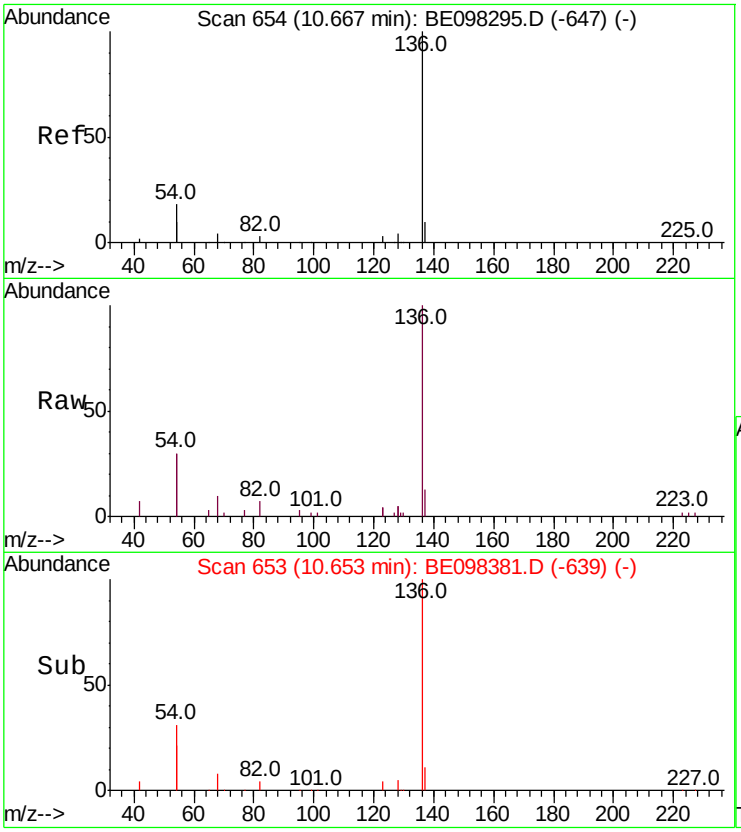


#6
bis(2-Chloroethyl)ether
Concen: 0.329 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion: 93 Resp: 1290

Ion	Ratio	Lower	Upper
93	100		
63	300.1	264.4	396.6
95	34.7	26.6	40.0



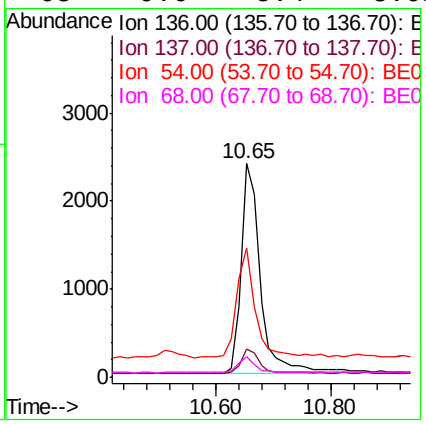


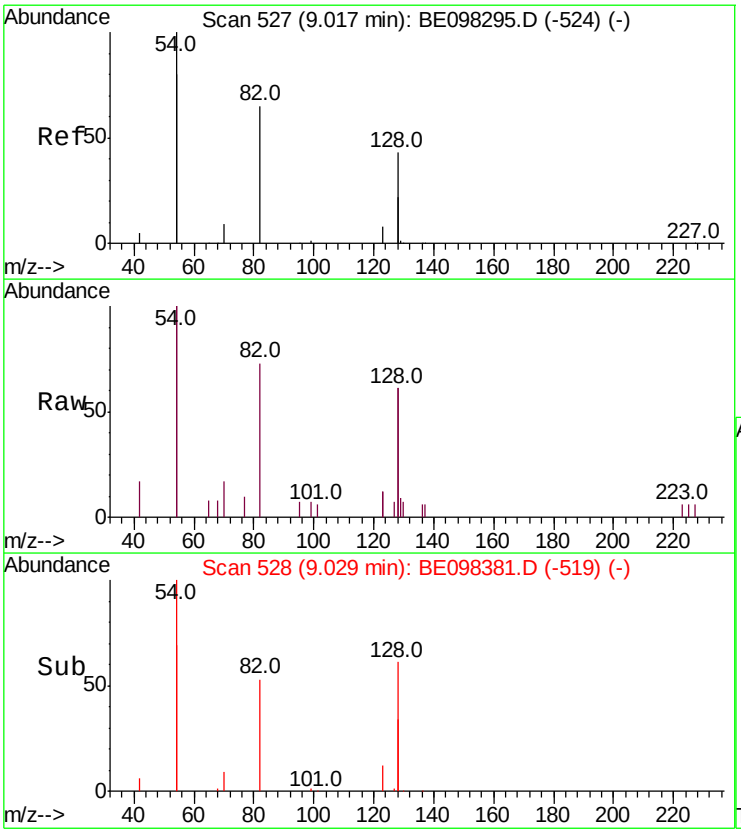
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5457

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.2	13.8
54	60.3	28.4	42.6#
68	9.6	5.4	8.0#

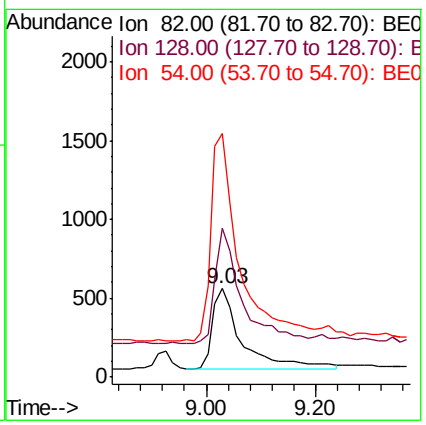


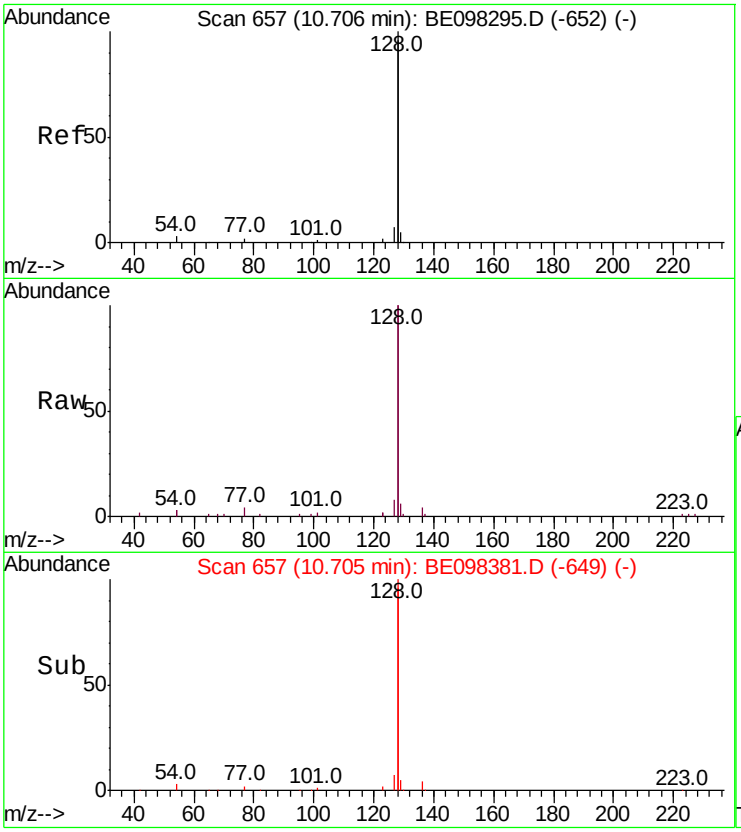


#8
Nitrobenzene-d5
Concen: 0.378 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion: 82 Resp: 1879

Ion	Ratio	Lower	Upper
82	100		
128	169.3	102.4	153.6#
54	275.7	221.8	332.8



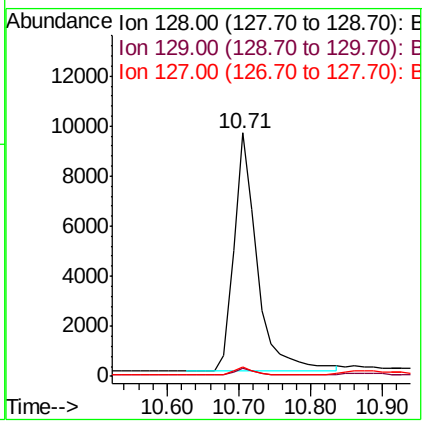


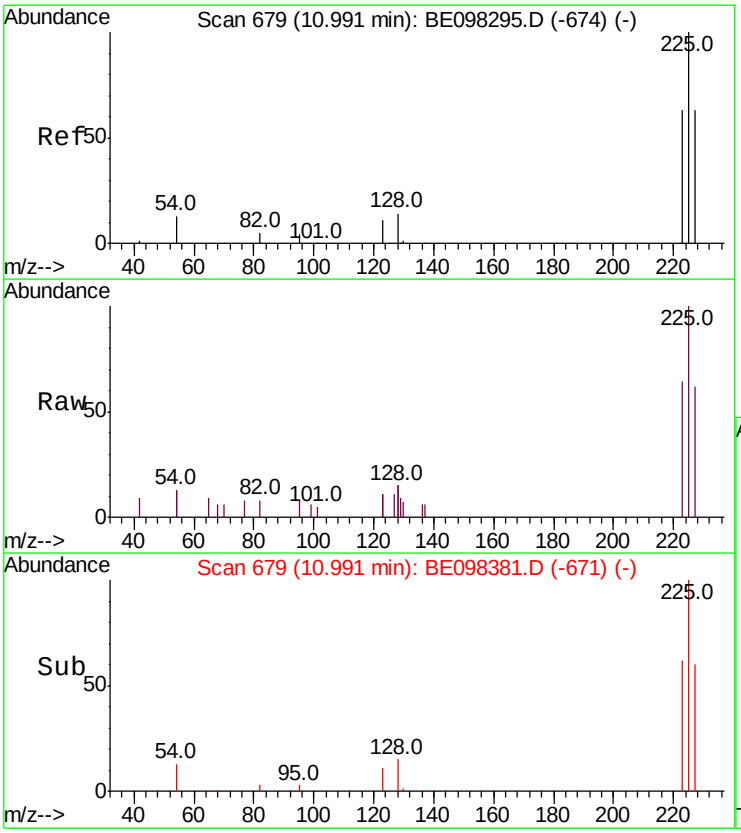
#9
Naphthalene
Concen: 0.389 ng
RT: 10.71 min Scan# 657
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 21346

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.5	3.7
127	3.9	2.7	4.1

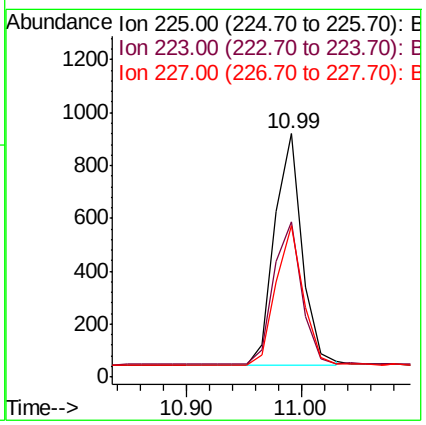


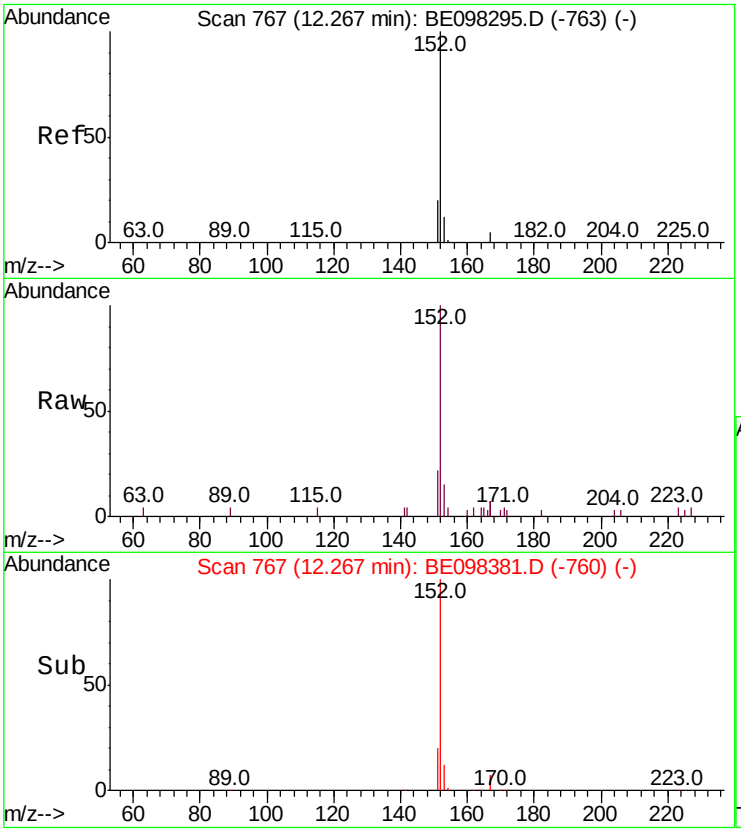


#10
Hexachlorobutadiene
Concen: 0.421 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:225 Resp: 1471

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.4	74.0
227	60.6	52.0	78.0



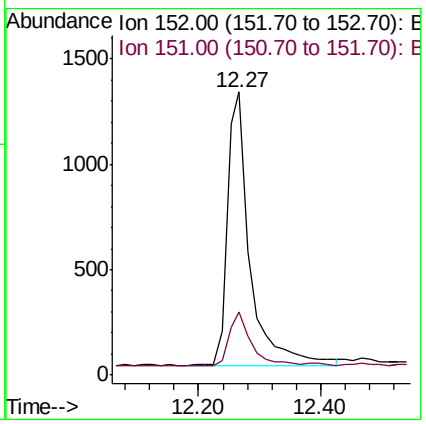


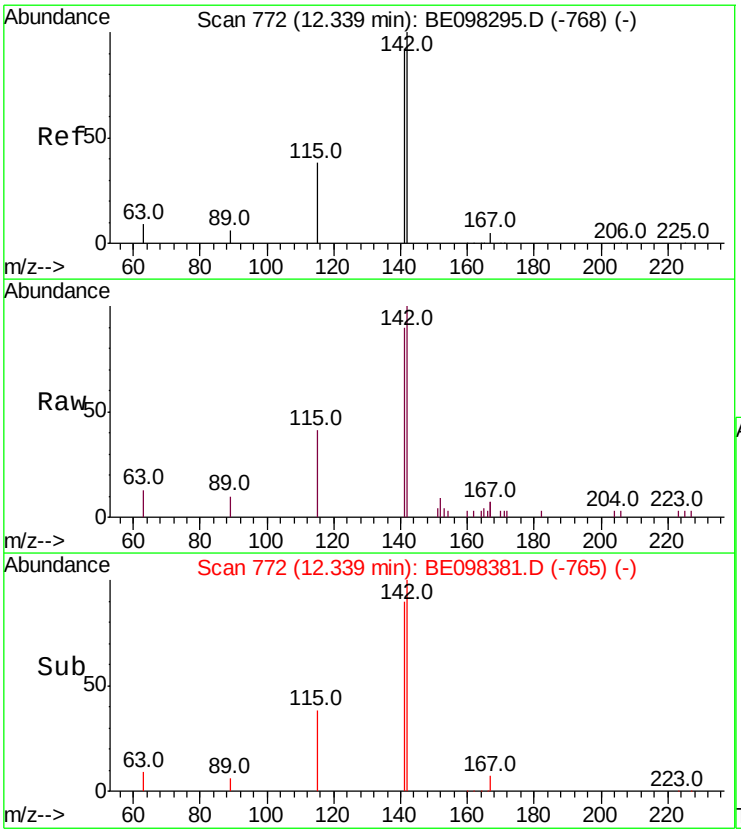
#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3355

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.4

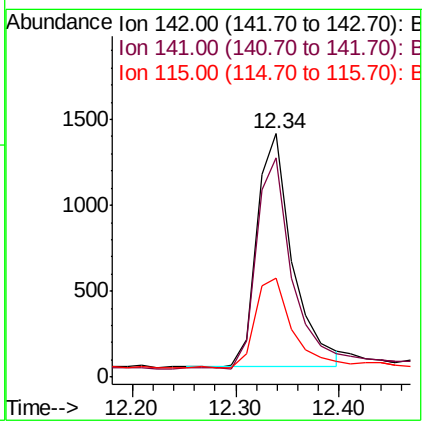


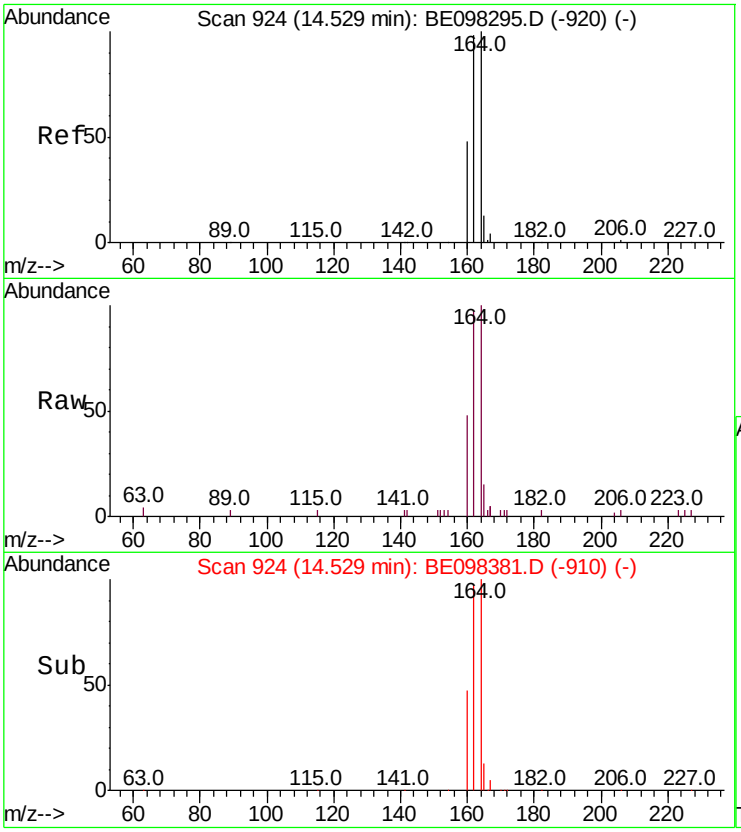


#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:142 Resp: 3289

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.0	106.6
115	40.7	32.2	48.2



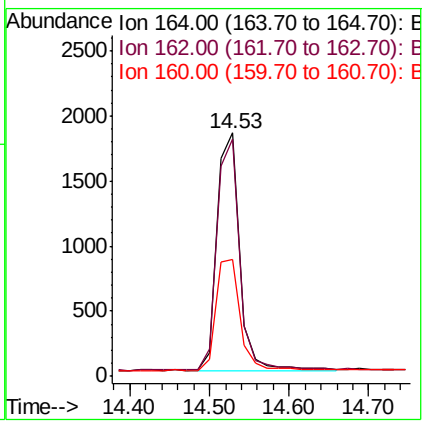


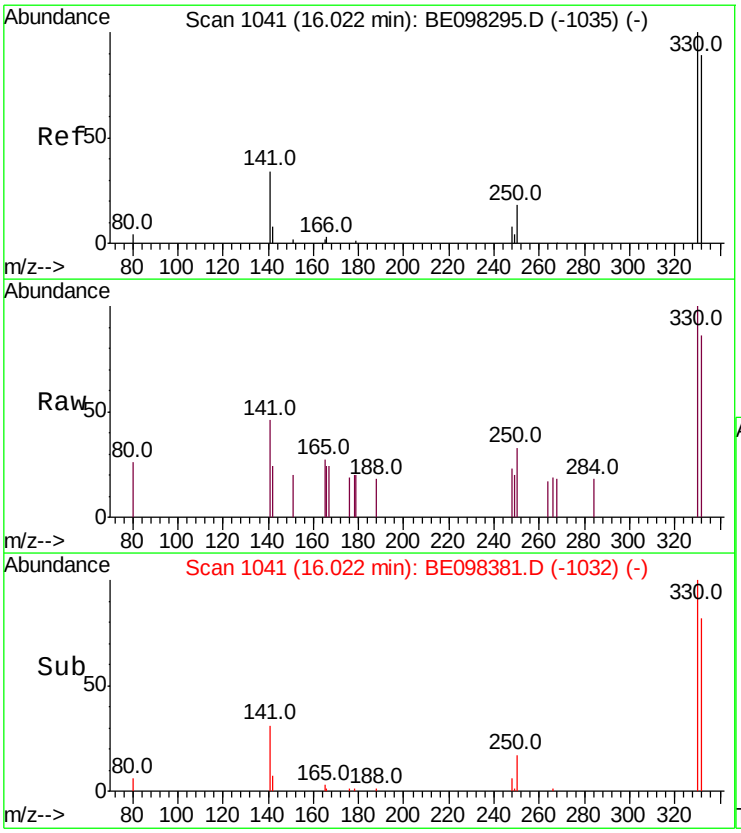
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3583

Ion	Ratio	Lower	Upper
164	100		
162	97.3	77.6	116.4
160	48.1	36.0	54.0

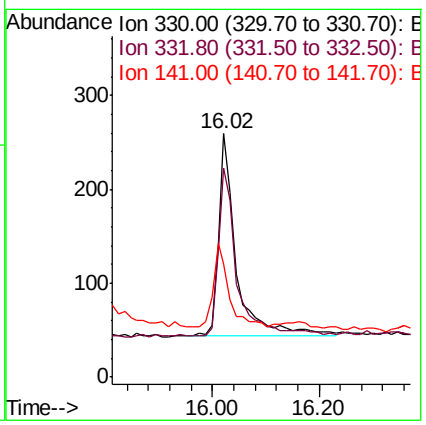


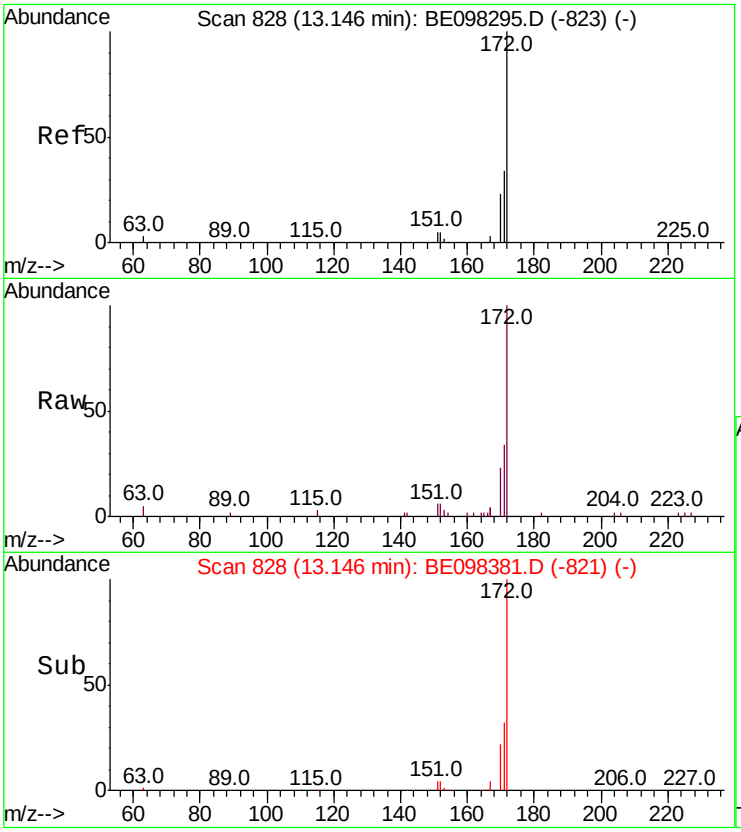


#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:330 Resp: 502

Ion	Ratio	Lower	Upper
330	100		
332	86.9	76.2	114.4
141	35.9	39.0	58.4#



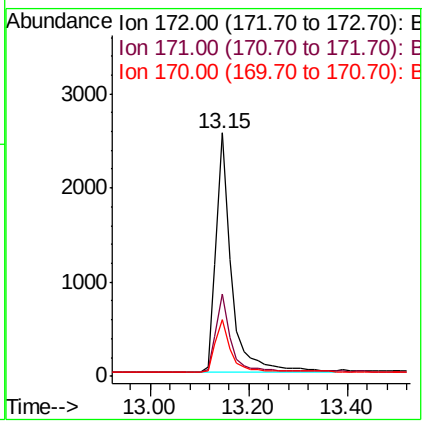


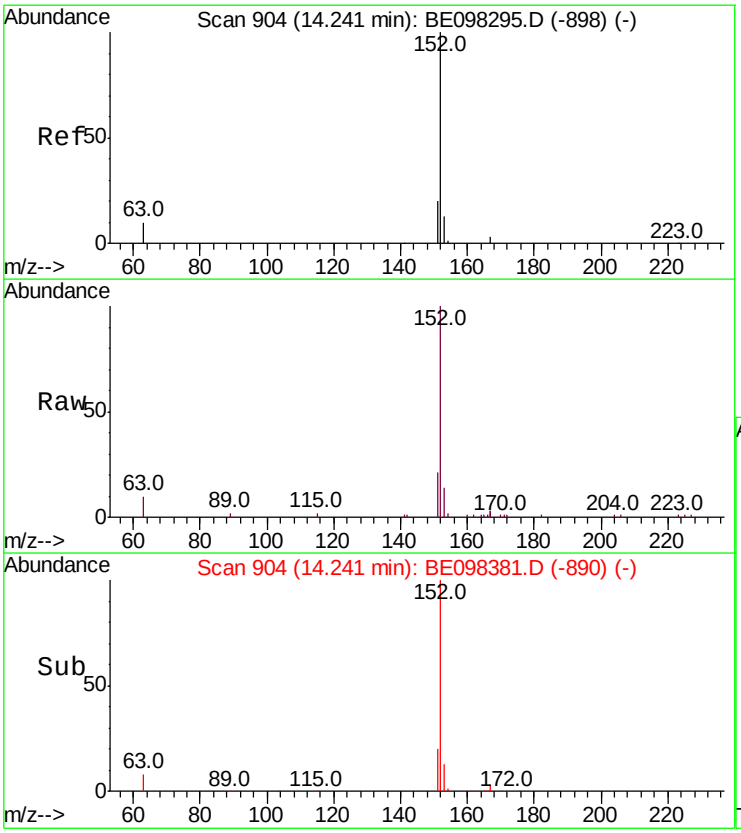
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5446

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.5	41.3
170	23.1	19.6	29.4

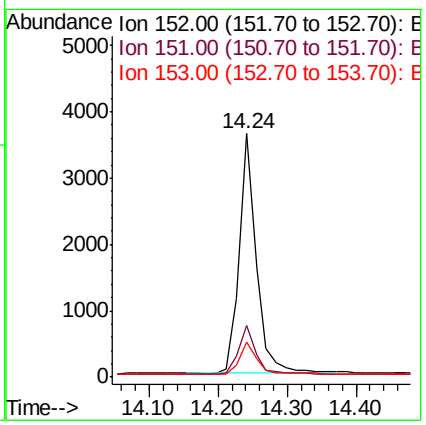


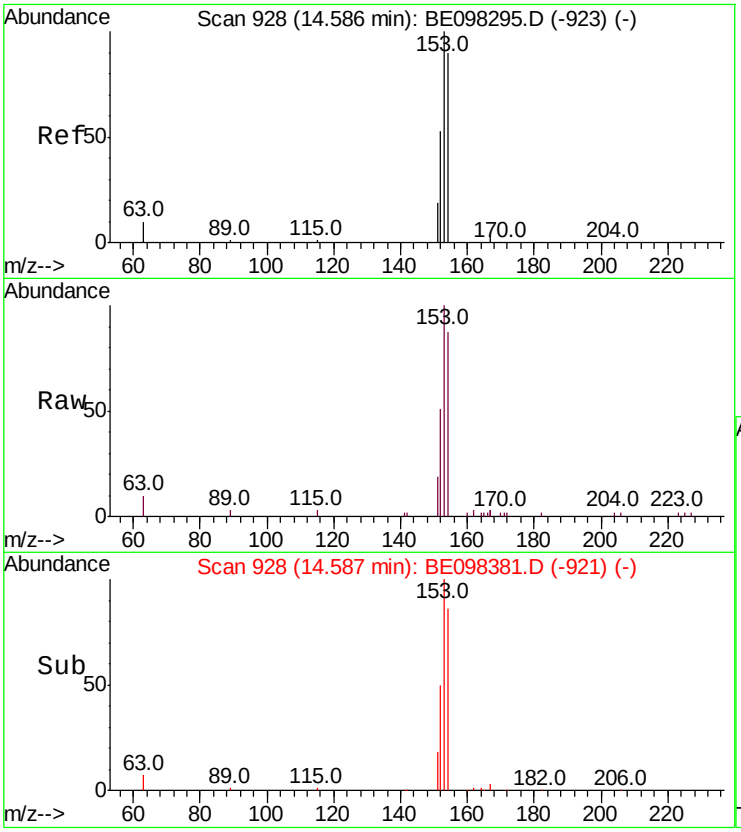


#16
Acenaphthylene
Concen: 0.369 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:152 Resp: 6196

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3
153	13.5	10.6	16.0



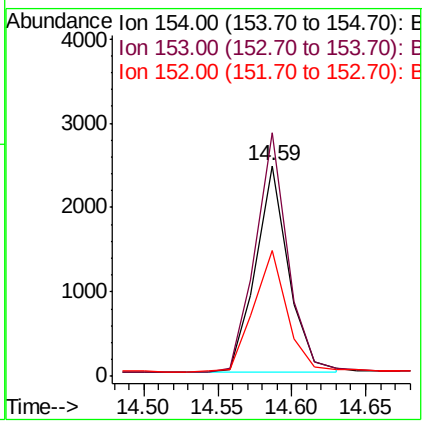


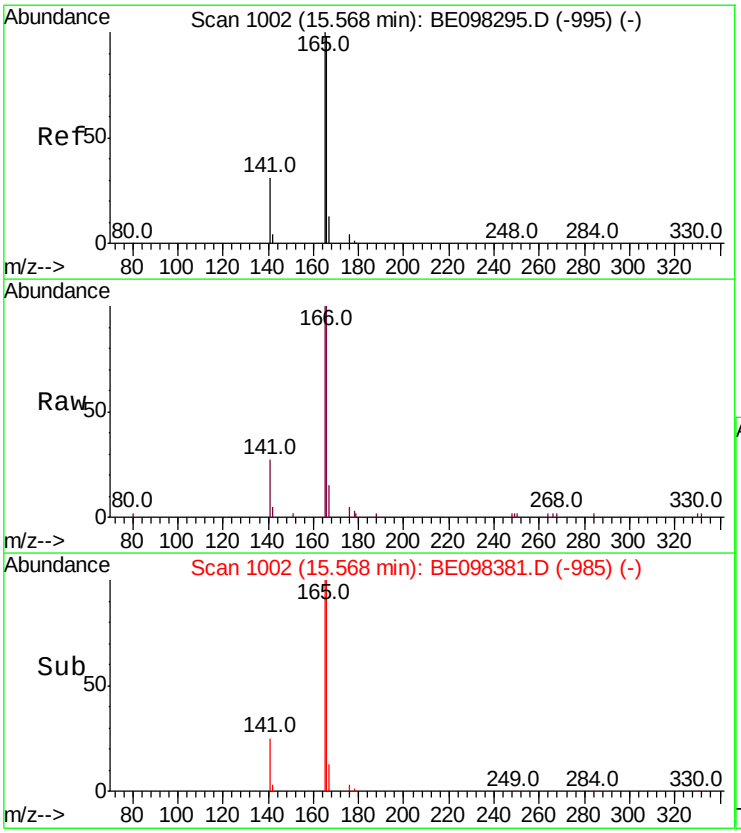
#17
Acenaphthene
Concen: 0.372 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3748

Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.8	137.6
152	60.2	45.5	68.3

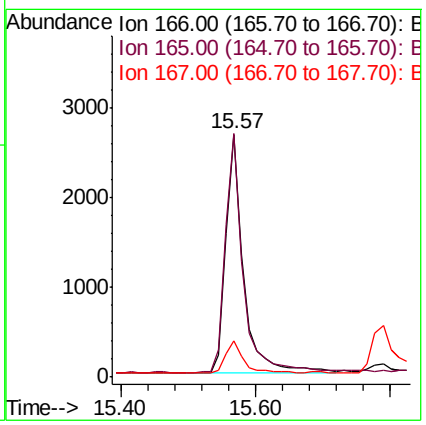


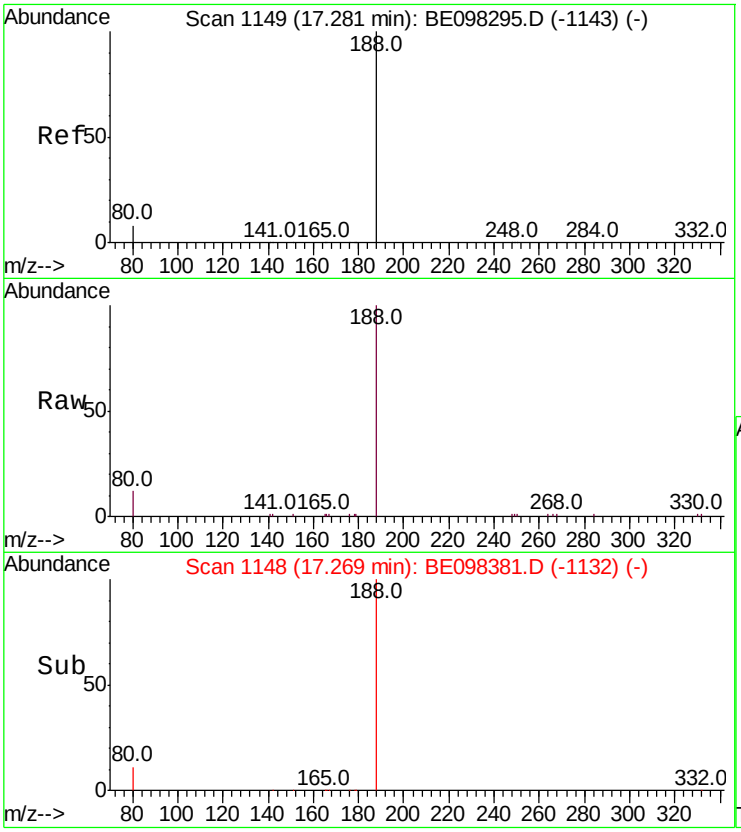


#18
Fluorene
Concen: 0.370 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:166 Resp: 4986

Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.3	118.9
167	13.2	11.3	16.9



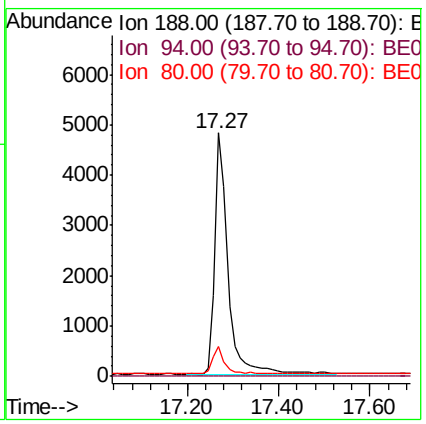


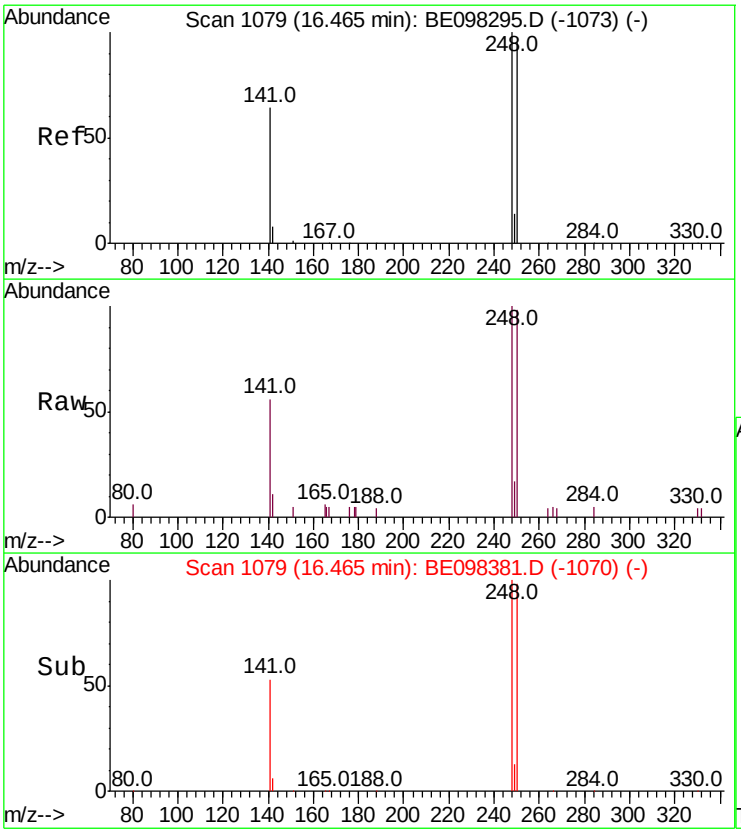
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 9594

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	7.2	10.8#

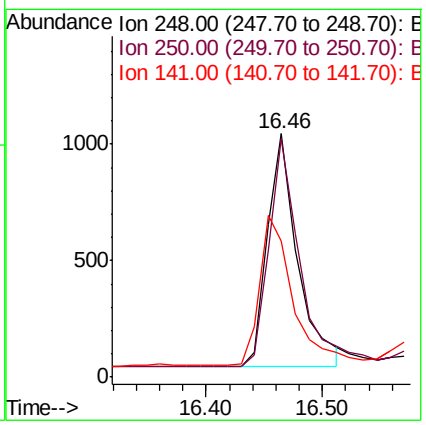


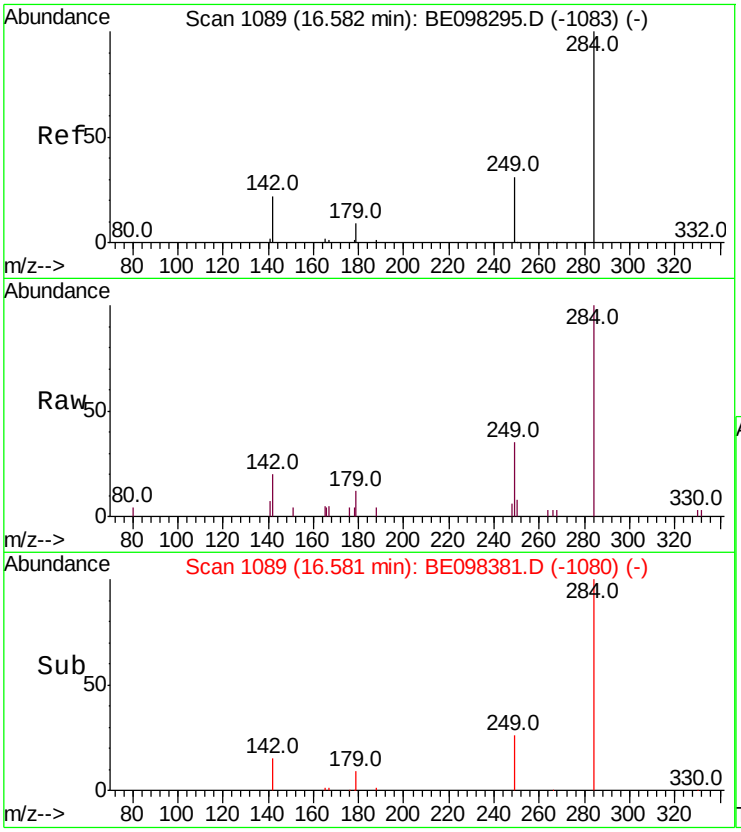


#20
4-Bromophenyl-phenylether
Concen: 0.351 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:248 Resp: 1813

Ion	Ratio	Lower	Upper
248	100		
250	98.1	71.0	106.6
141	55.8	62.1	93.1#



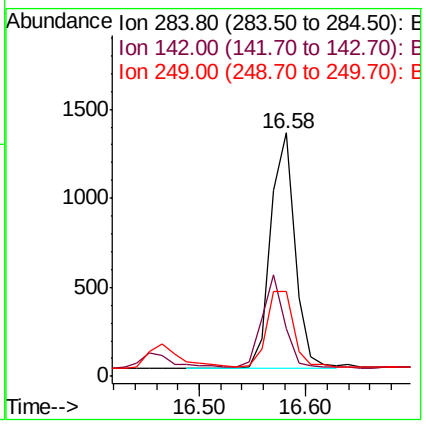


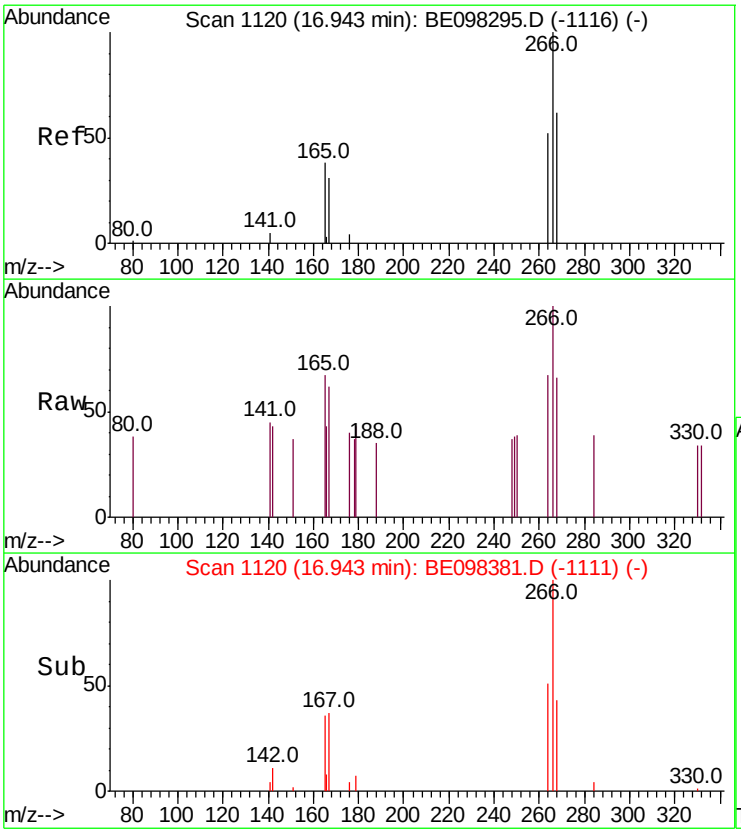
#21
Hexachlorobenzene
Concen: 0.378 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2096

Ion	Ratio	Lower	Upper
284	100		
142	35.9	26.3	39.5
249	35.3	26.0	39.0

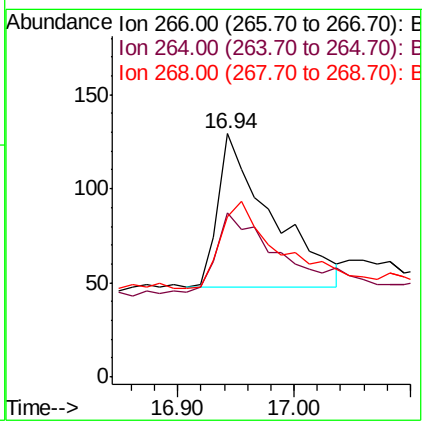


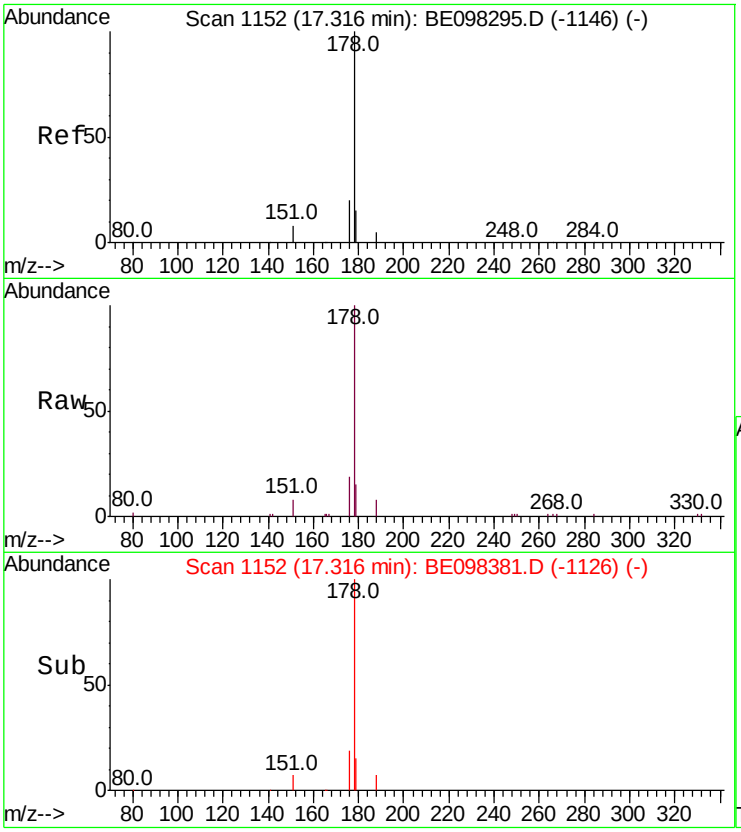


#22
Pentachlorophenol
Concen: 0.300 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:266 Resp: 256

Ion	Ratio	Lower	Upper
266	100		
264	67.4	59.0	88.4
268	65.9	55.1	82.7



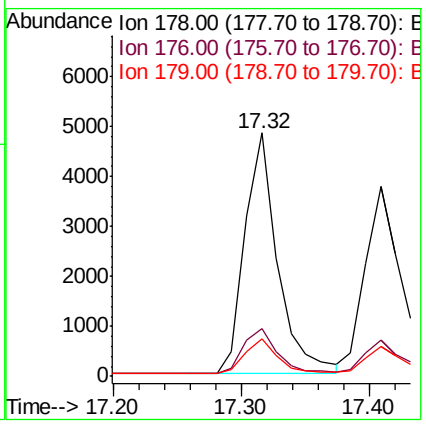


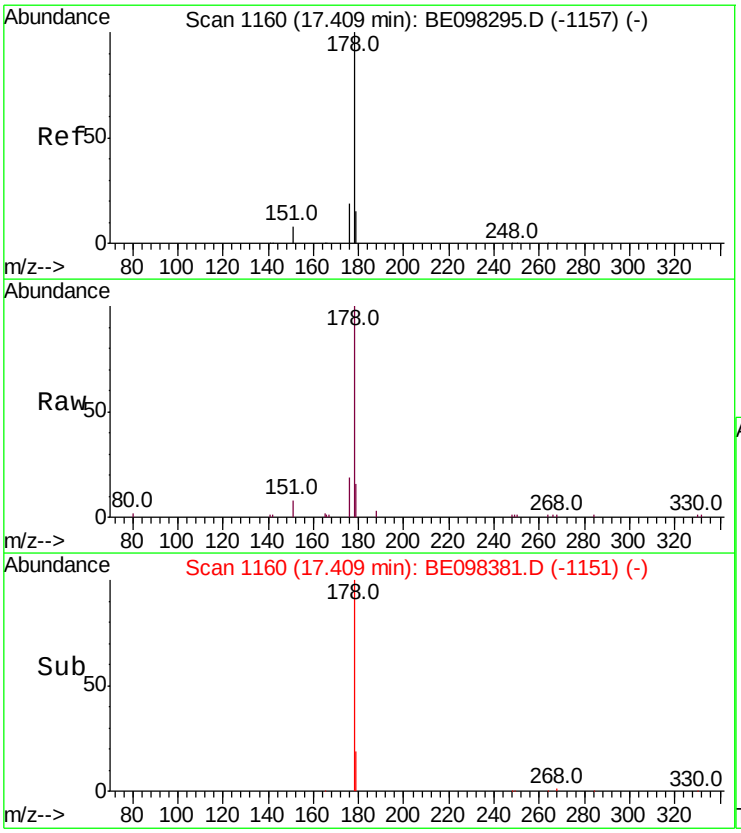
#23
Phenanthrene
Concen: 0.371 ng
RT: 17.32 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8652

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	14.9	12.3	18.5

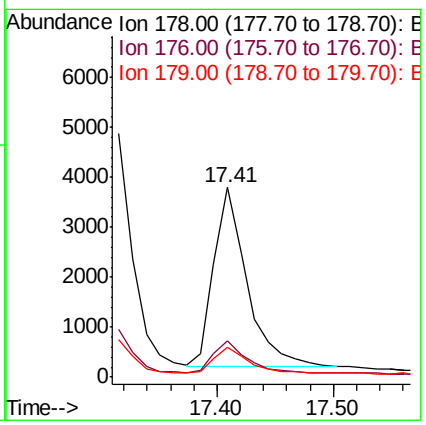


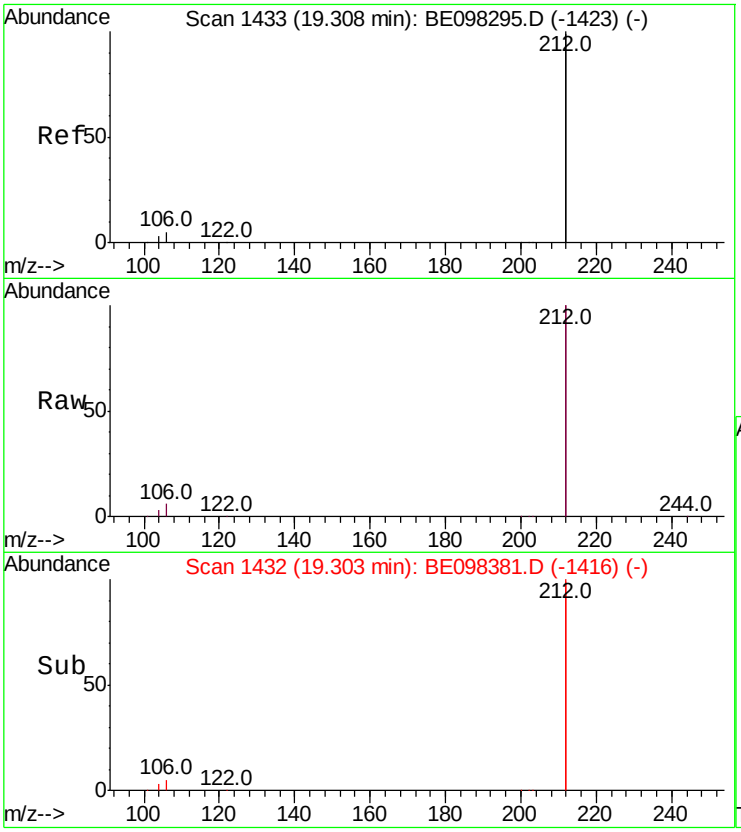


#24
Anthracene
Concen: 0.340 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:178 Resp: 7062

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.0	22.4
179	14.9	12.3	18.5



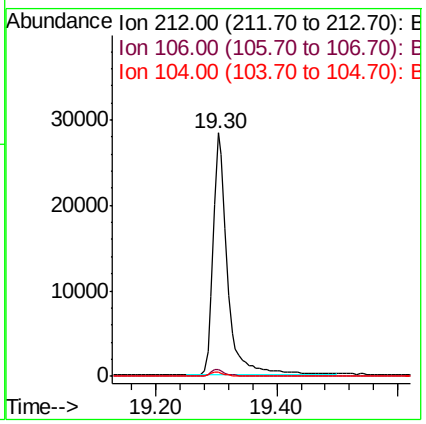


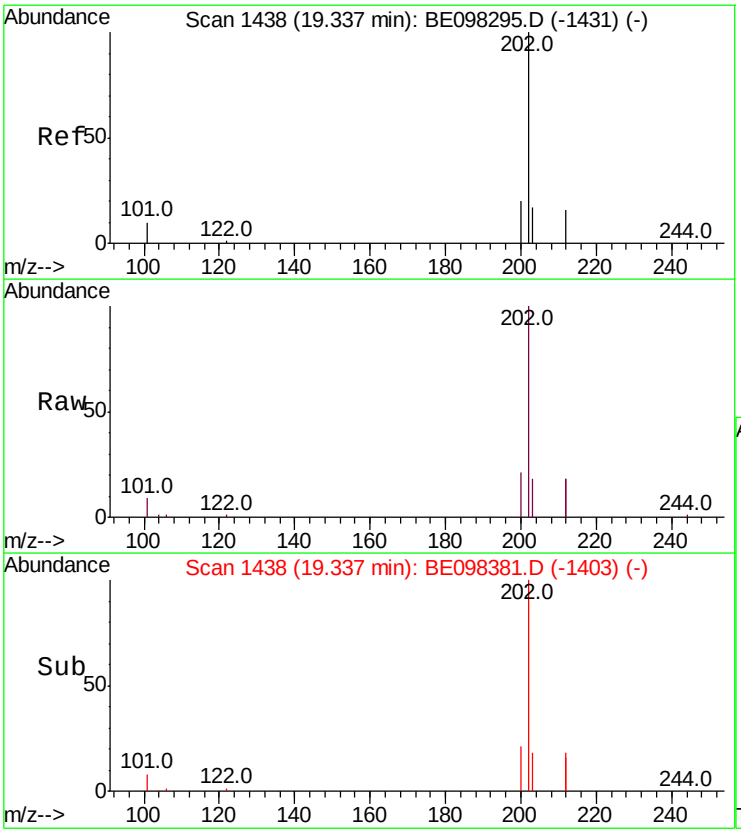
#25
Fluoranthene-d10
Concen: 0.382 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 46979

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.5	1.3	1.9

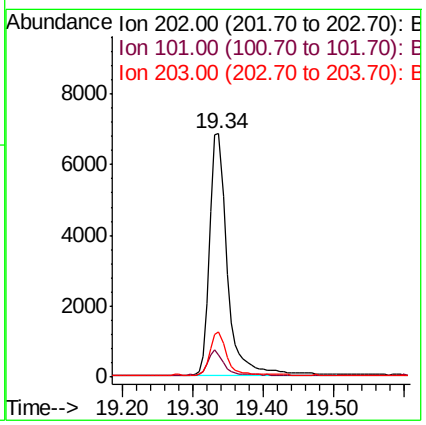


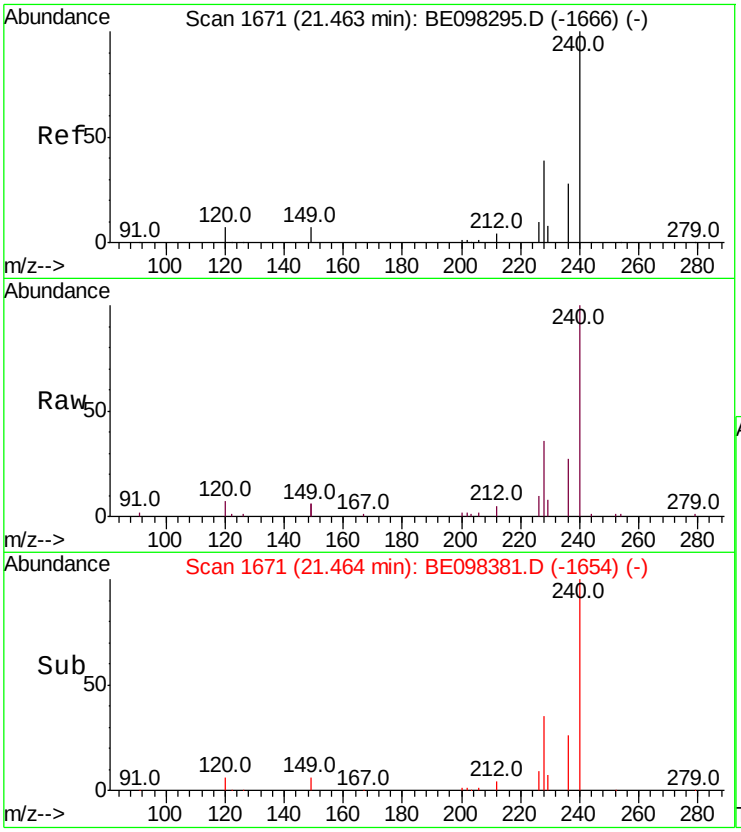


#26
Fluoranthene
Concen: 0.388 ng
RT: 19.34 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:202 Resp: 11973

Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.0	12.0
203	16.6	13.8	20.6



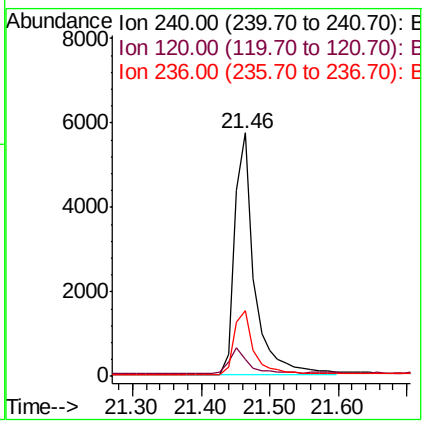


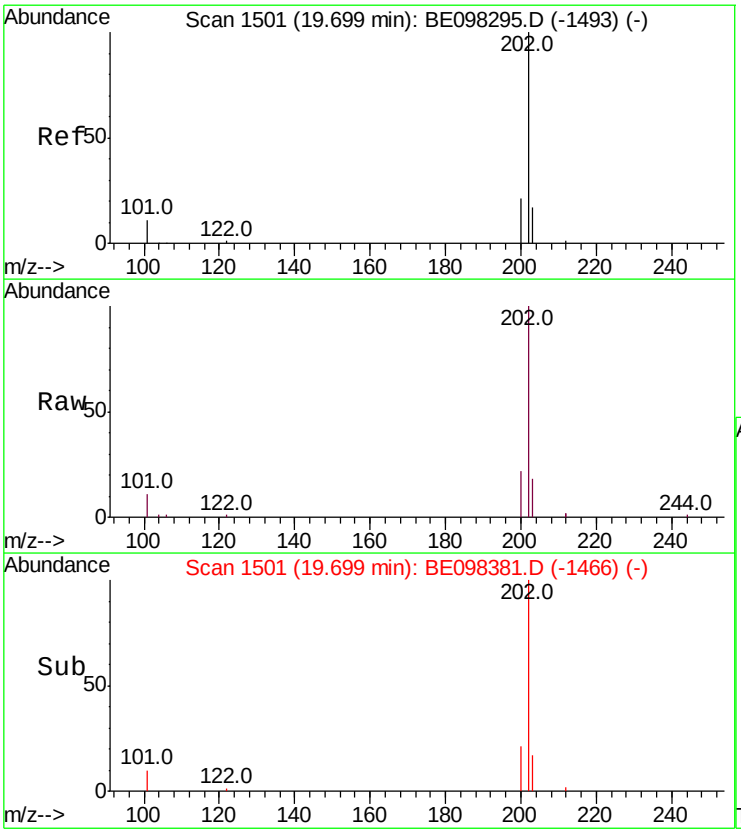
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 11345

Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.5	14.3#
236	27.0	22.7	34.1

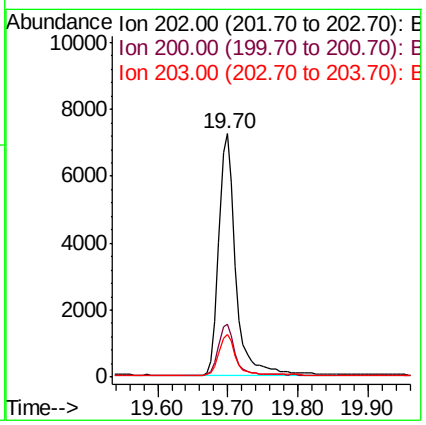


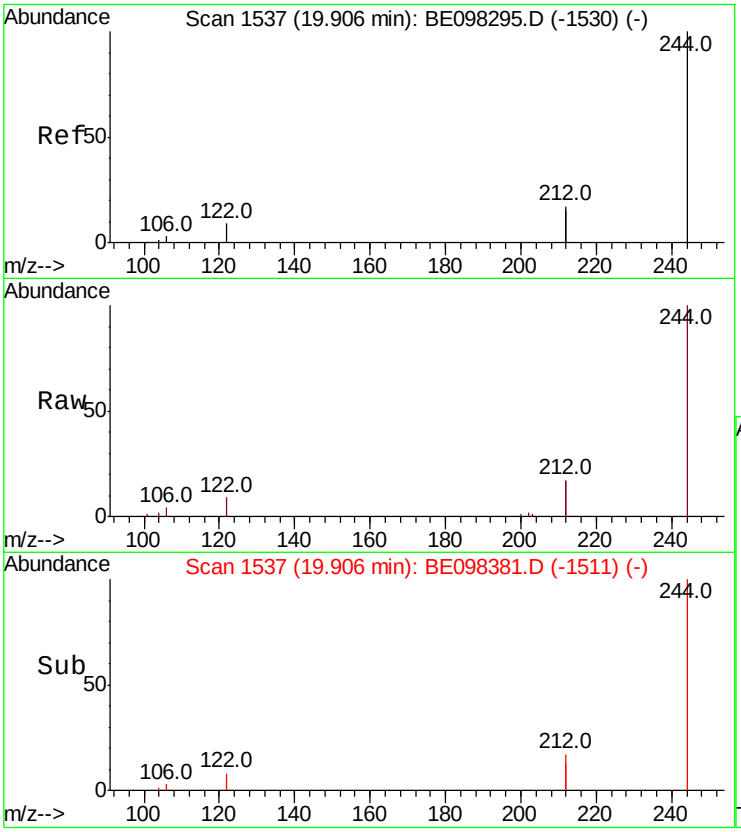


#28
Pyrene
Concen: 0.339 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:202 Resp: 12052

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	16.9	14.1	21.1



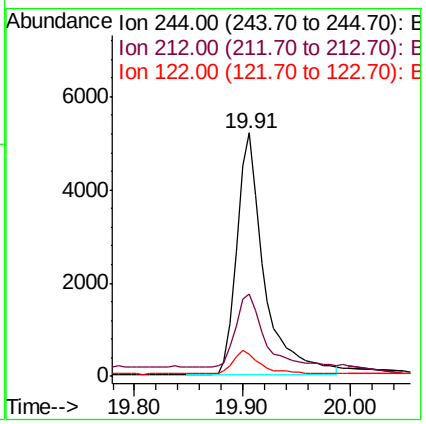


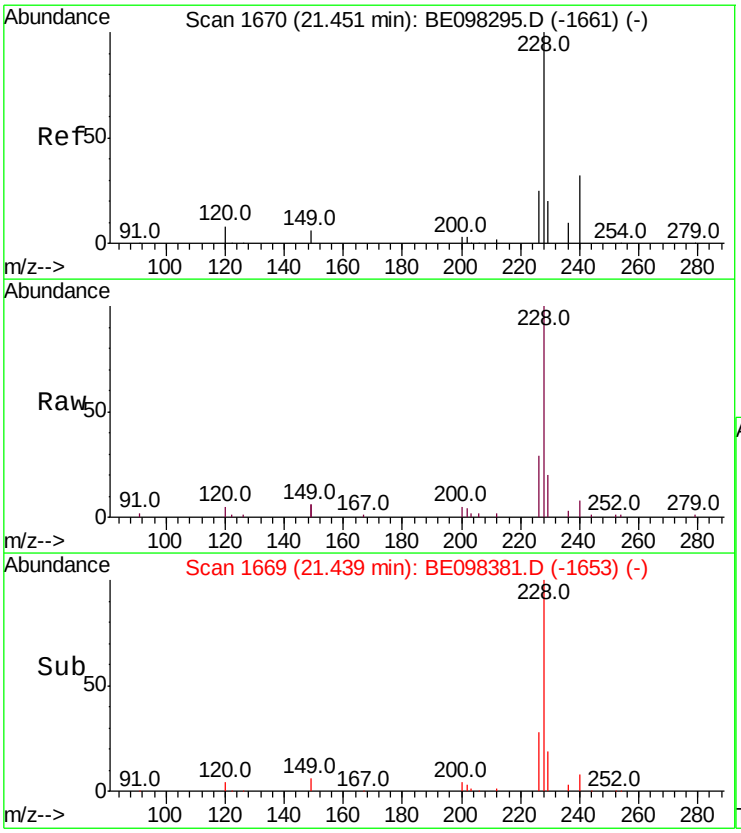
#29
Terphenyl-d14
Concen: 0.324 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8941

Ion	Ratio	Lower	Upper
244	100		
212	34.0	27.4	41.0
122	9.1	8.3	12.5

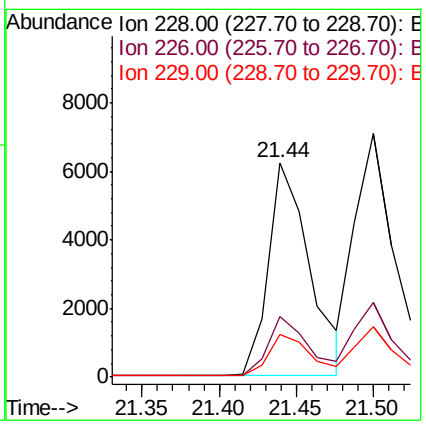


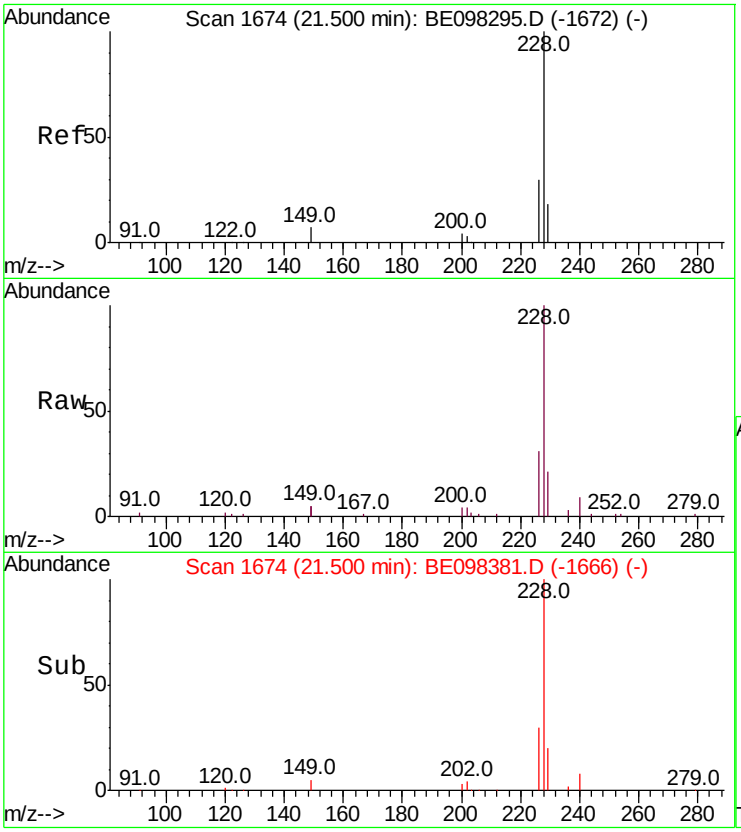


#30
Benzo(a)anthracene
Concen: 0.359 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:228 Resp: 11605

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.8	32.8
229	19.7	16.3	24.5



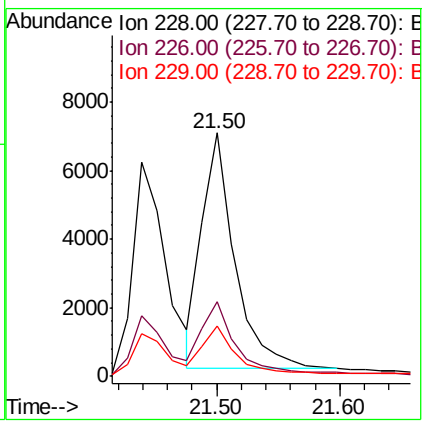


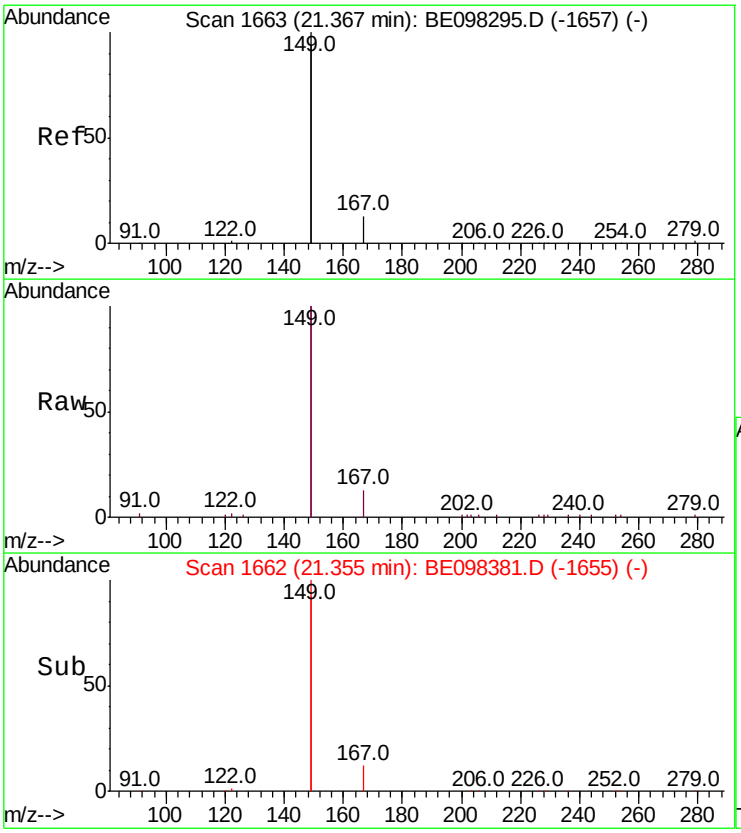
#31
Chrysene
Concen: 0.376 ng
RT: 21.50 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12739

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.0
229	20.6	16.2	24.4

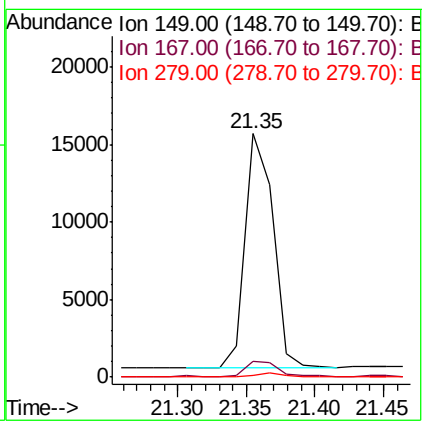


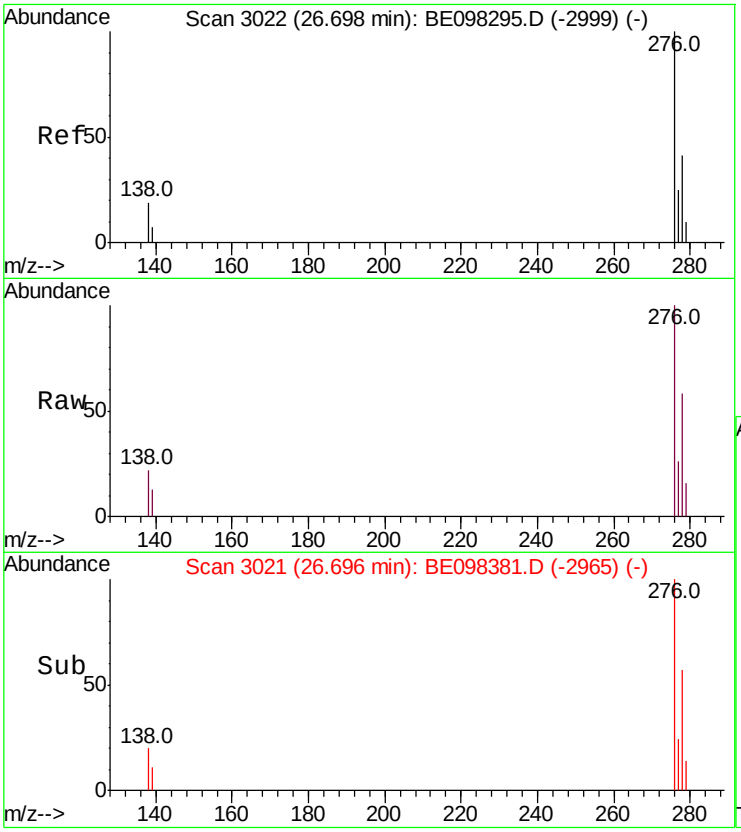


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.330 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:149 Resp: 21653

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.0	1.0	1.4#



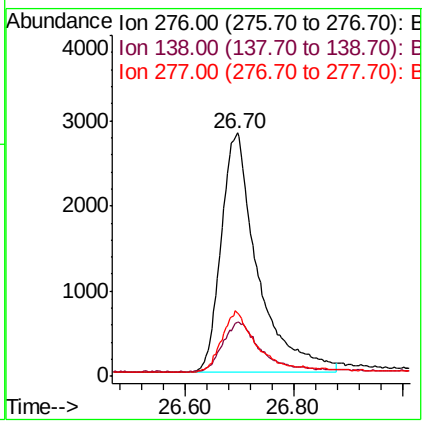


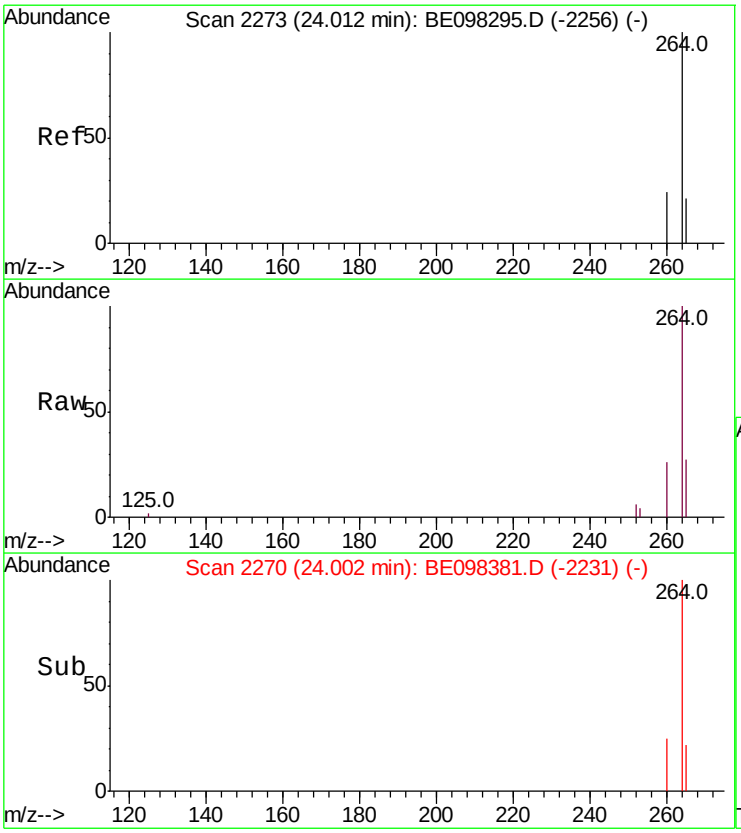
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.390 ng
RT: 26.70 min Scan# 3021
Delta R.T. -0.00 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 13146

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.3	24.5
277	23.3	20.2	30.4

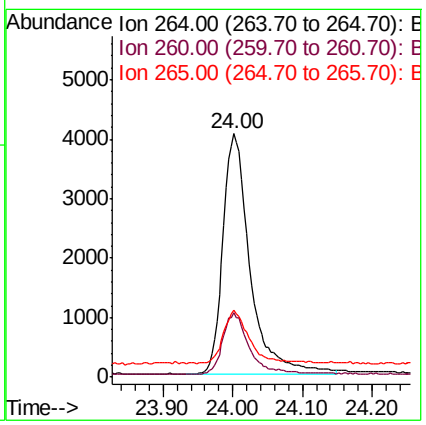


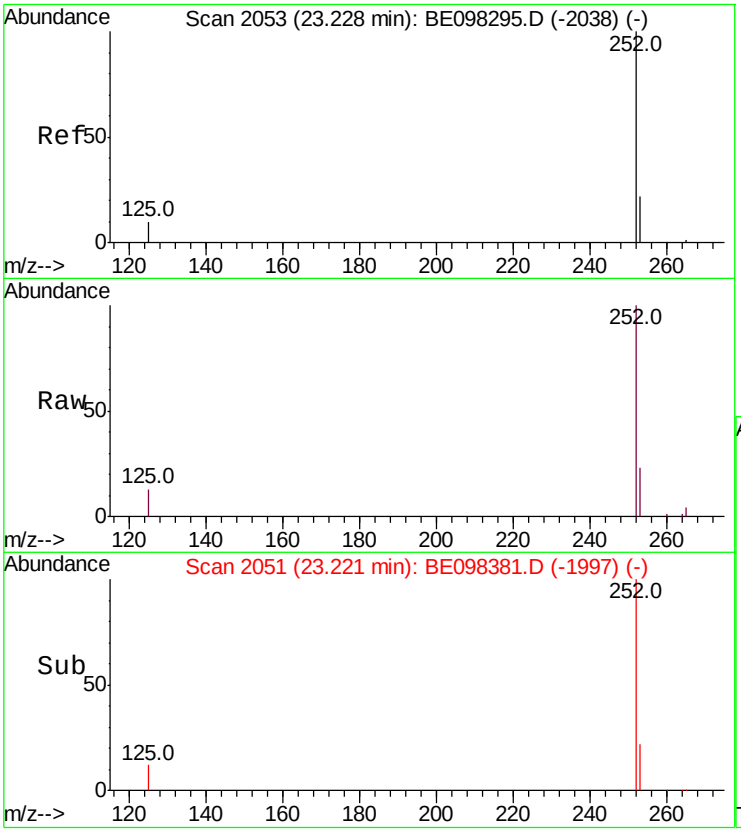


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:264 Resp: 10913

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.2	30.2
265	27.4	25.2	37.8



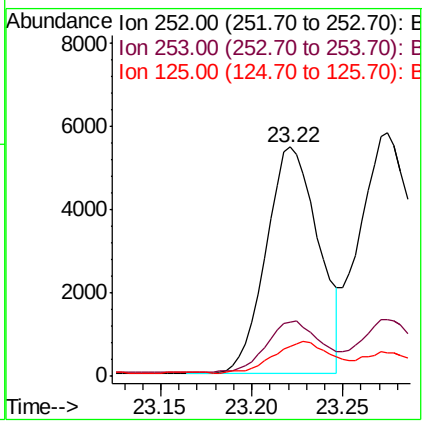


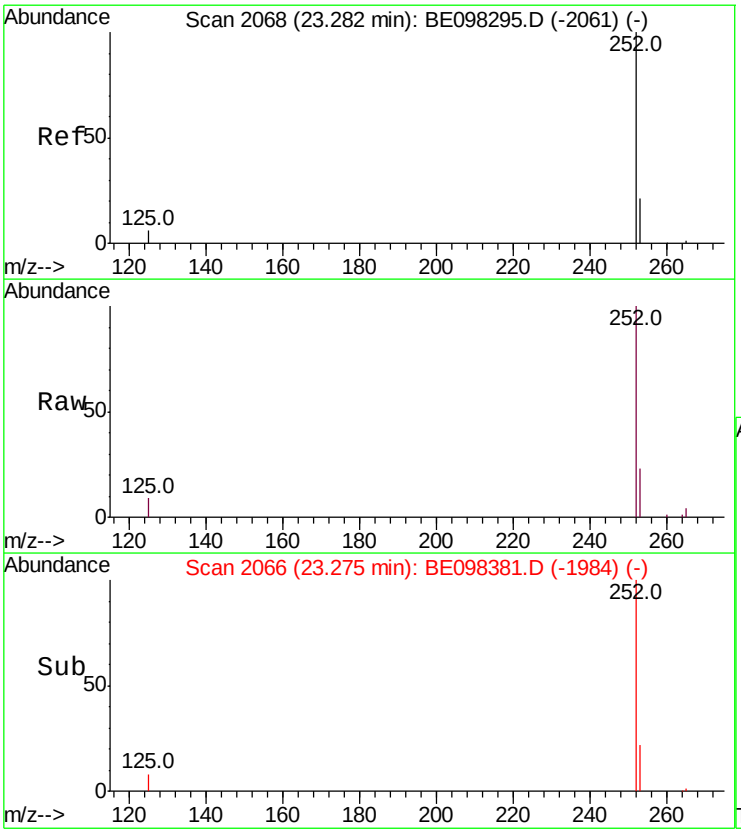
#35
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 23.22 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10845

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.0	30.0
125	13.1	9.6	14.4

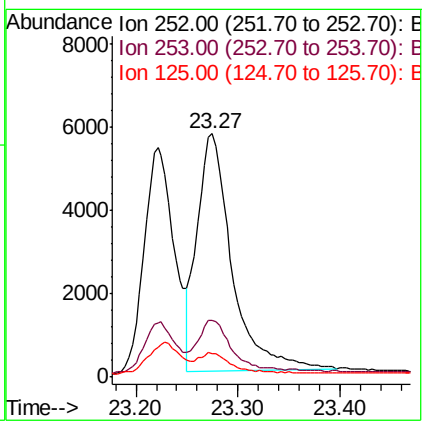


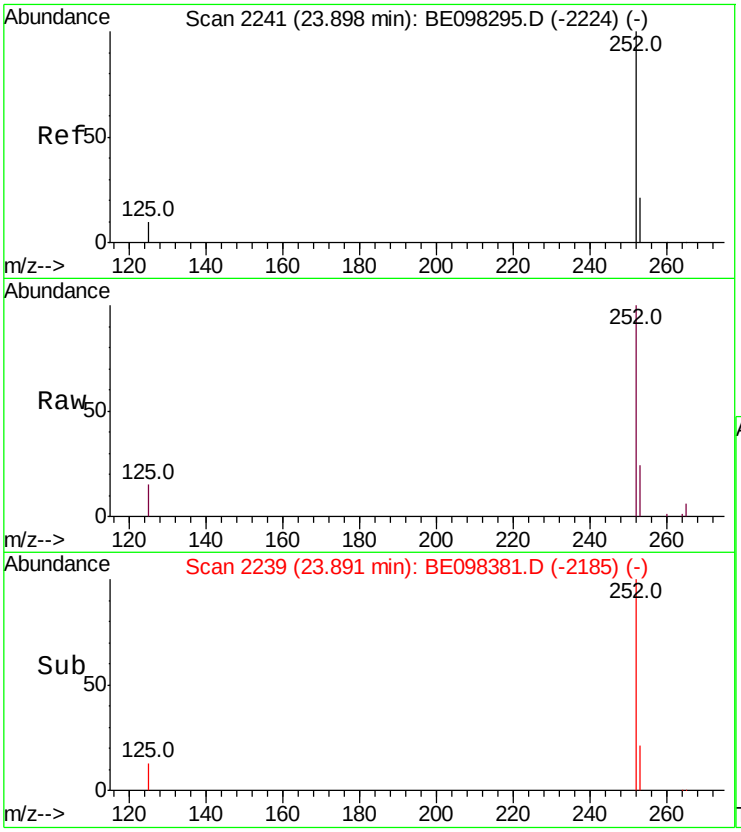


#36
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 23.27 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:252 Resp: 13435

Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.0	28.6
125	9.4	9.1	13.7



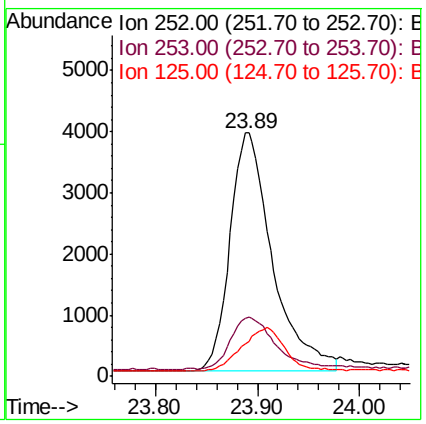


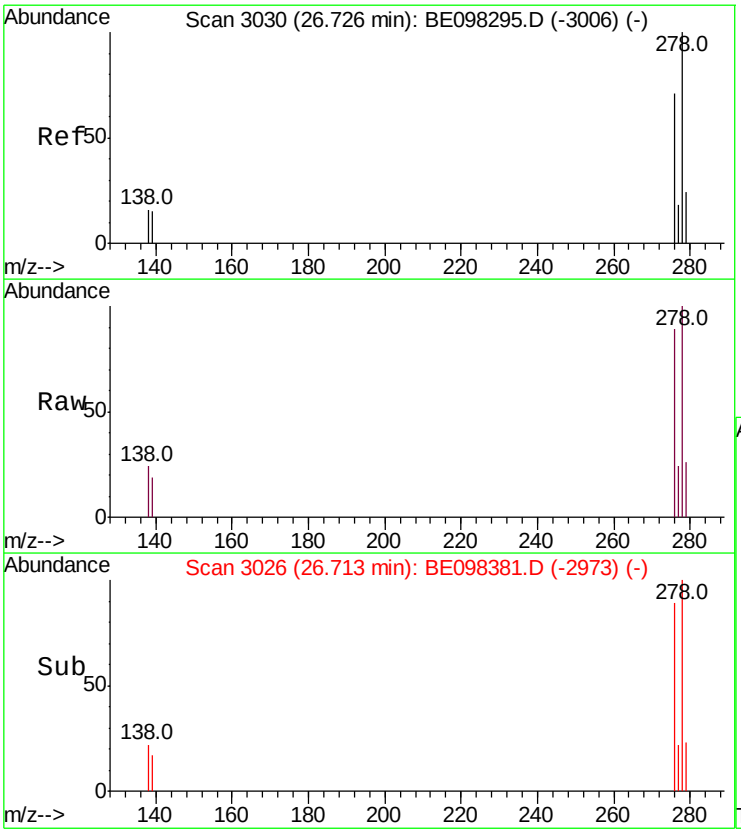
#37
Benzo(a)pyrene
Concen: 0.366 ng
RT: 23.89 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11283

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.6	30.8
125	14.6	10.5	15.7

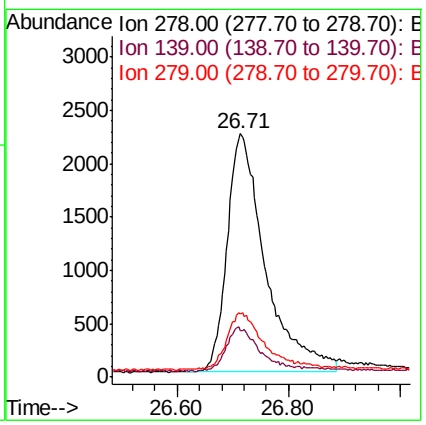


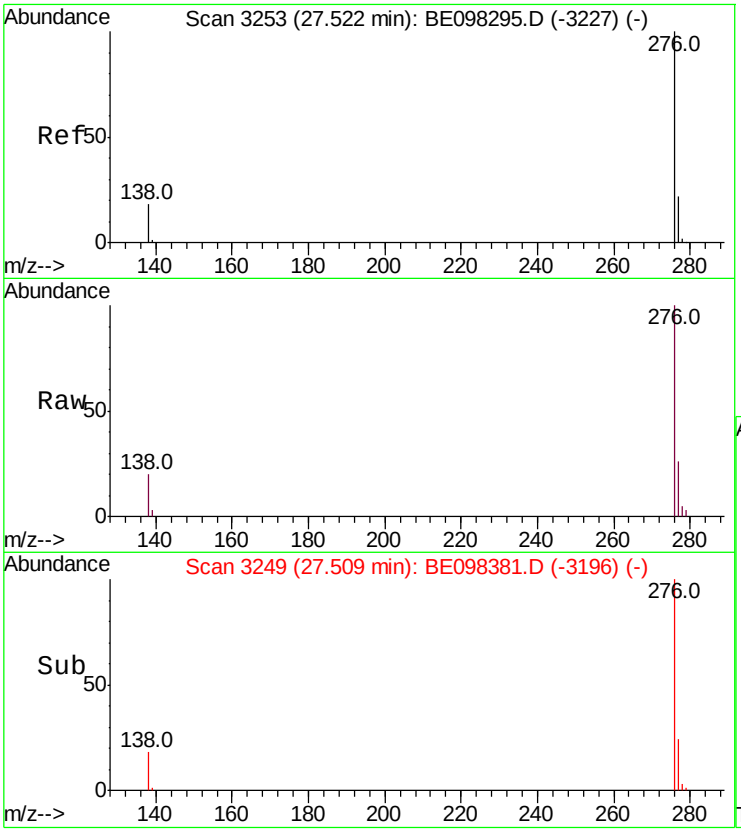


#38
Dibenzo(a,h)anthracene
Concen: 0.368 ng
RT: 26.71 min Scan# 3026
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Tgt Ion:278 Resp: 10680

Ion	Ratio	Lower	Upper
278	100		
139	19.0	14.5	21.7
279	25.7	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.376 ng
RT: 27.51 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BE098381.D
Acq: 13 Dec 2018 3:25

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10988

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.8	31.2
138	20.2	15.8	23.6