Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121518\
Data File : BE098502.D
Acq On : 16 Dec 2018 11:08
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Dec 17 02:05:10 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	7.85	152	775	0.40	ng		-0.01
7) Naphthalene-d8	10.65	136	3440	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	2162	0.40	ng		-0.01
19) Phenanthrene-d10	17.27	188	5739	0.40	ng		-0.01
27) Chrysene-d12	21.45	240	6955	0.40	ng		-0.01
34) Perylene-d12	24.00	264	6604	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	901	0.50	ng		0.01
5) Phenol-d6	7.05	99	1266	0.49	ng		0.00
8) Nitrobenzene-d5	9.02	82	1235	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.25	152	2248	0.40	ng		-0.01
14) 2,4,6-Tribromophenol	16.02	330	404	0.51	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	3743	0.41	ng		0.00
25) Fluoranthene-d10	19.30	212	30559	0.42	ng		0.00
29) Terphenyl-d14	19.90	244	5784	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	473	0.353	ng	#	73
3) n-Nitrosodimethylamine	3.70	42	363	0.301	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	909	0.372	ng		91
9) Naphthalene	10.71	128	14129	0.408	ng	#	98
10) Hexachlorobutadiene	10.98	225	1035	0.470	ng		98
12) 2-Methylnaphthalene	12.32	142	2228	0.396	ng		96
16) Acenaphthylene	14.24	152	4162	0.411	ng		99
17) Acenaphthene	14.59	154	2483	0.408	ng		94
18) Fluorene	15.57	166	3379	0.415	ng		96
20) 4-Bromophenyl-phenylether	16.46	248	1233	0.399	ng	#	78
21) Hexachlorobenzene	16.57	284	1445	0.435	ng		92
22) Pentachlorophenol	16.94	266	324	0.571	ng		95
23) Phenanthrene	17.31	178	5790	0.415	ng		99
24) Anthracene	17.41	178	4730	0.380	ng		100
26) Fluoranthene	19.33	202	7741	0.420	ng		98
28) Pyrene	19.69	202	8516	0.390	ng		99
30) Benzo(a)anthracene	21.44	228	7669	0.387	ng		100
31) Chrysene	21.50	228	8762	0.422	ng		99
32) Bis(2-ethylhexyl)phthalate	21.35	149	12365	0.307	ng		99
33) Indeno(1,2,3-cd)pyrene	26.69	276	8905	0.431	ng		97
35) Benzo(b)fluoranthene	23.22	252	7613	0.422	ng		98
36) Benzo(k)fluoranthene	23.27	252	8980	0.427	ng		98
37) Benzo(a)pyrene	23.89	252	7944	0.426	ng		99
38) Dibenzo(a,h)anthracene	26.71	278	7108	0.405	ng		98
39) Benzo(g,h,i)perylene	27.50	276	7771	0.439	ng		98

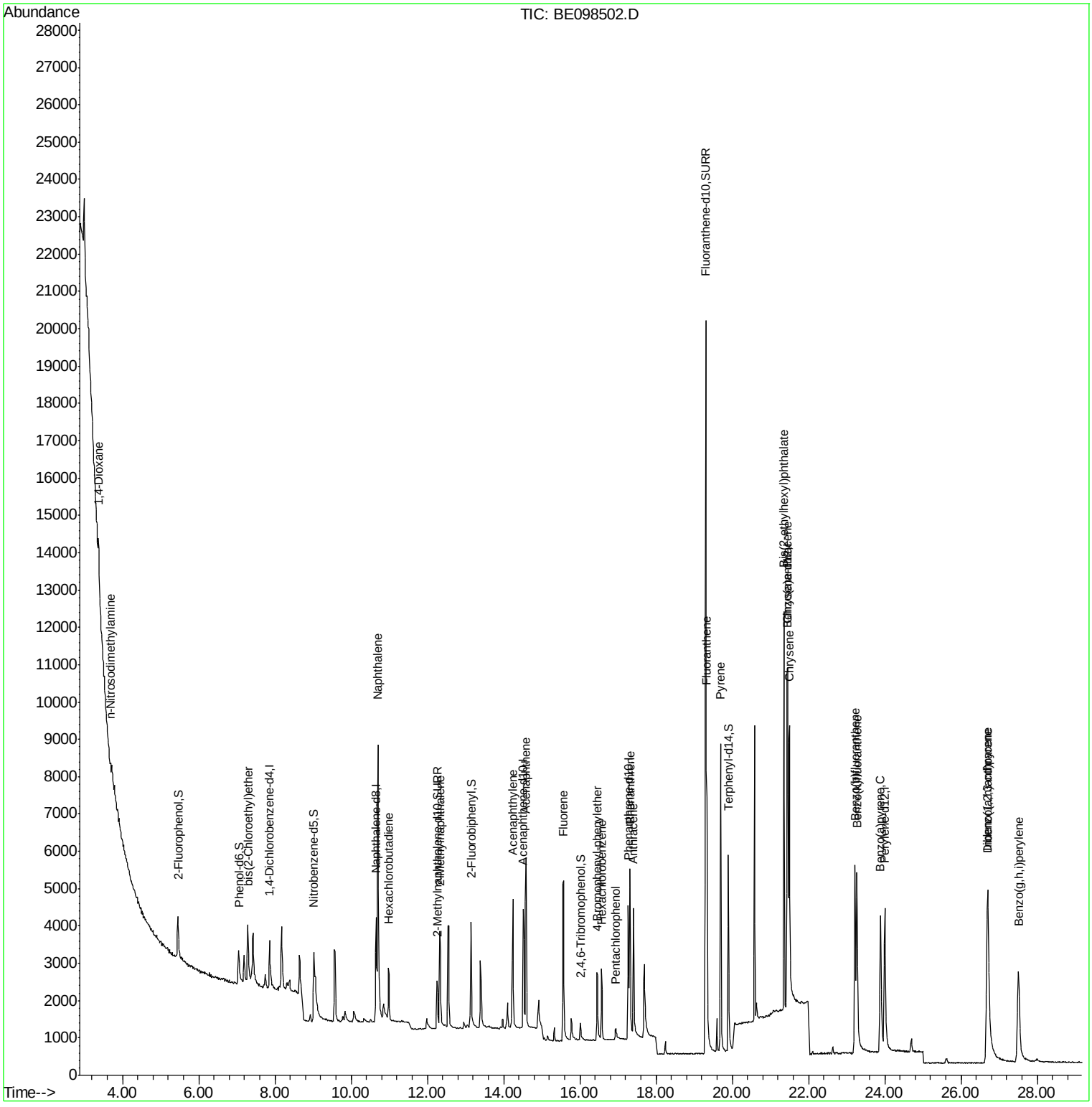
(#) = qualifier out of range (m) = manual integration (+) = signals summed

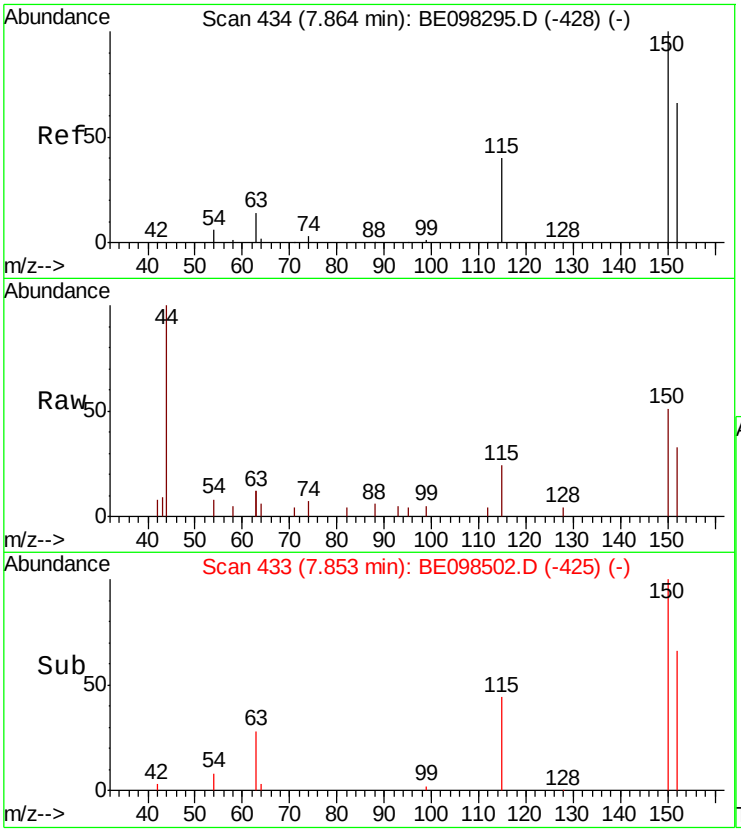
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121518\
Data File : BE098502.D
Acq On : 16 Dec 2018 11:08
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 17 02:05:10 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



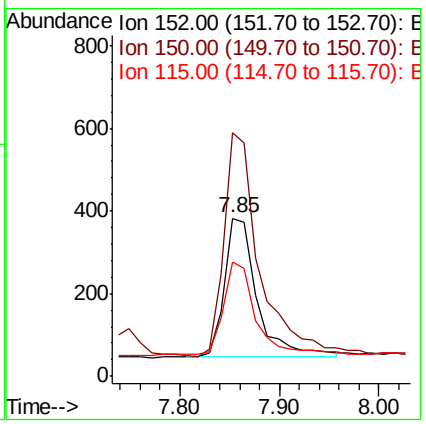


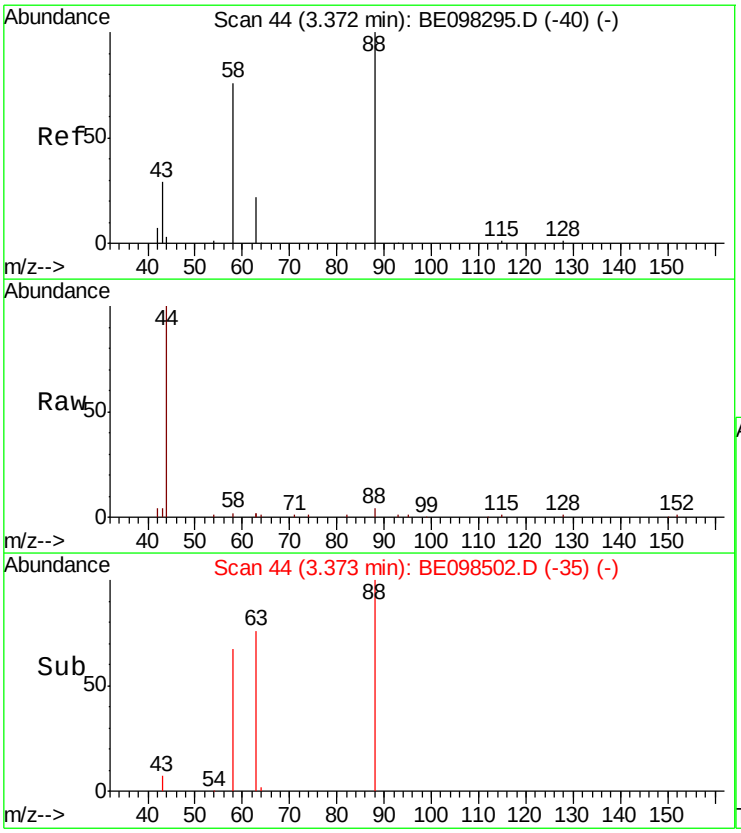
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 775

Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.2	186.4
115	72.1	53.9	80.9

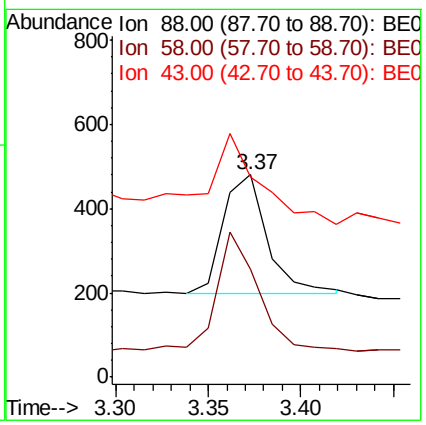


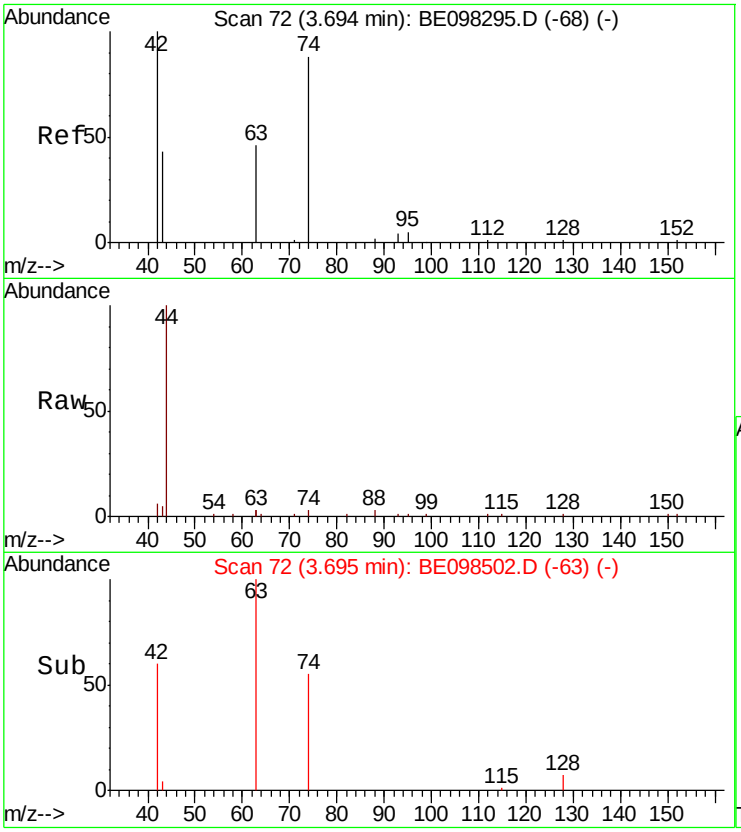


#2
1,4-Dioxane
Concen: 0.353 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion: 88 Resp: 473

Ion	Ratio	Lower	Upper
88	100		
58	91.8	75.0	112.6
43	98.5	38.3	57.5#



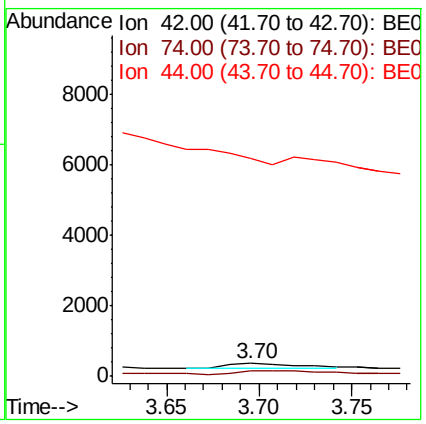


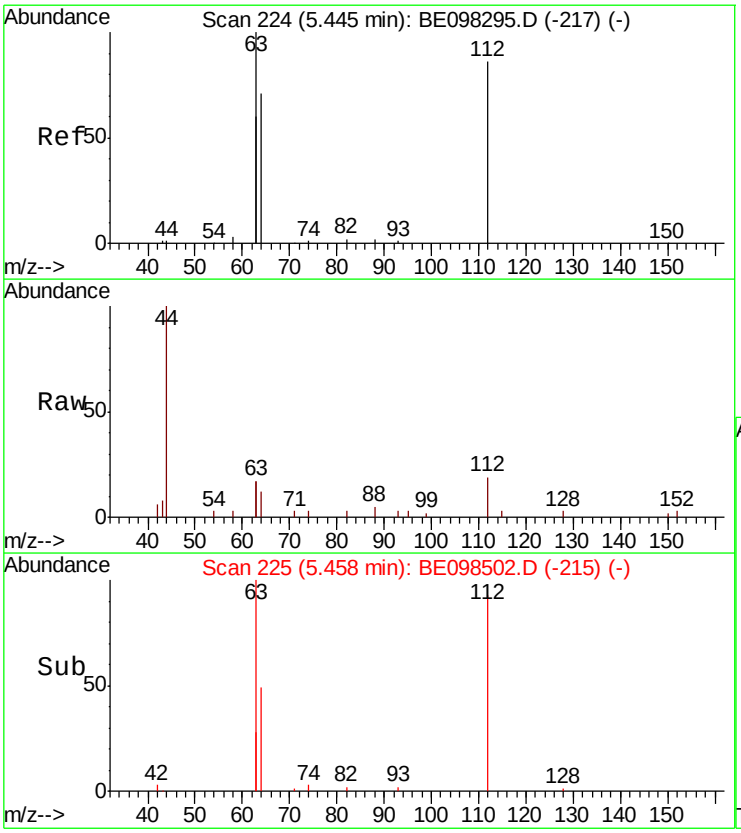
#3
n-Nitrosodimethylamine
Concen: 0.301 ng
RT: 3.70 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 363

Ion	Ratio	Lower	Upper
42	100		
74	78.0	0.0	0.0#
44	0.0	0.0	0.0

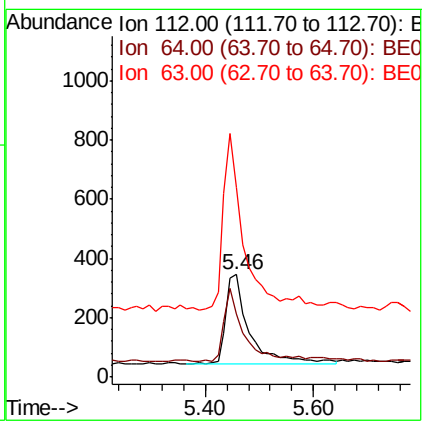


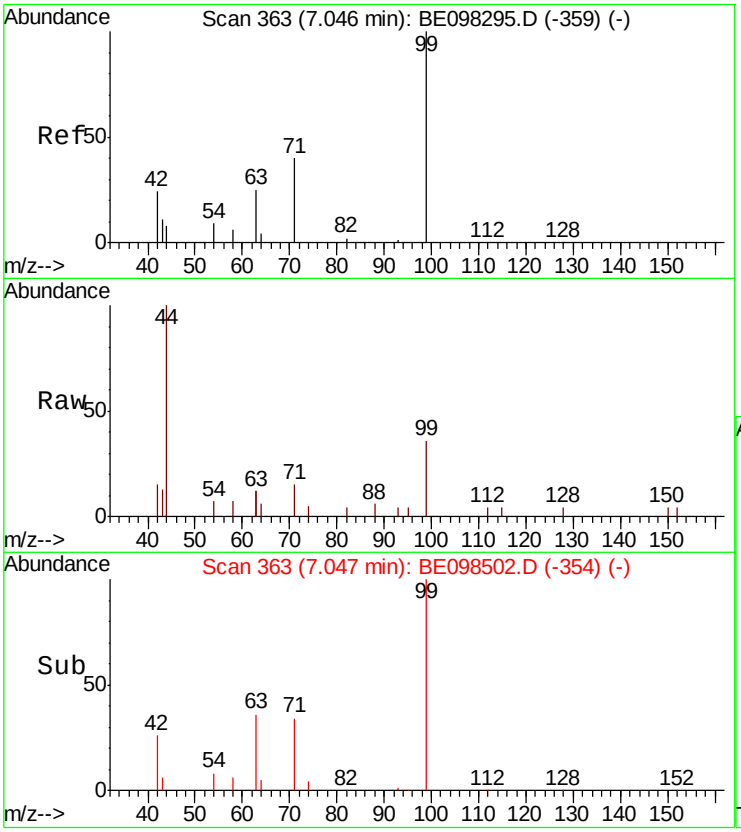


#4
2-Fluorophenol
Concen: 0.497 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:112 Resp: 901

Ion	Ratio	Lower	Upper
112	100		
64	64.9	59.8	89.8
63	163.9	133.7	200.5



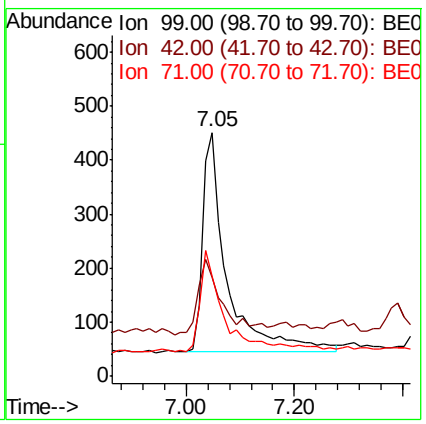


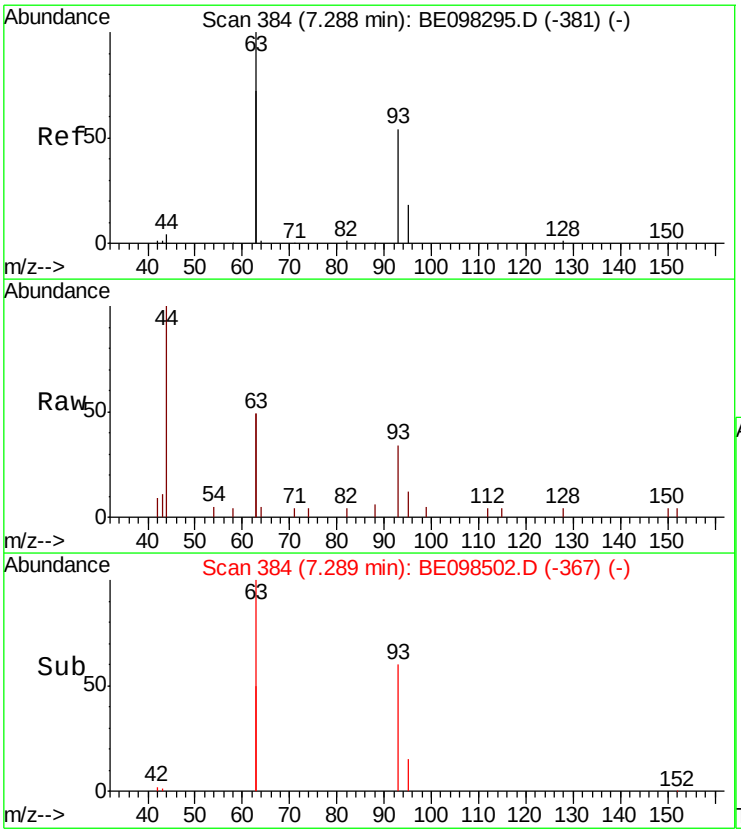
#5
Phenol-d6
Concen: 0.493 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 1266

Ion	Ratio	Lower	Upper
99	100		
42	33.8	26.3	39.5
71	46.7	33.6	50.4

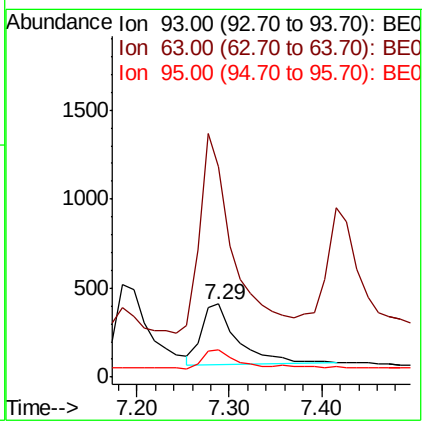


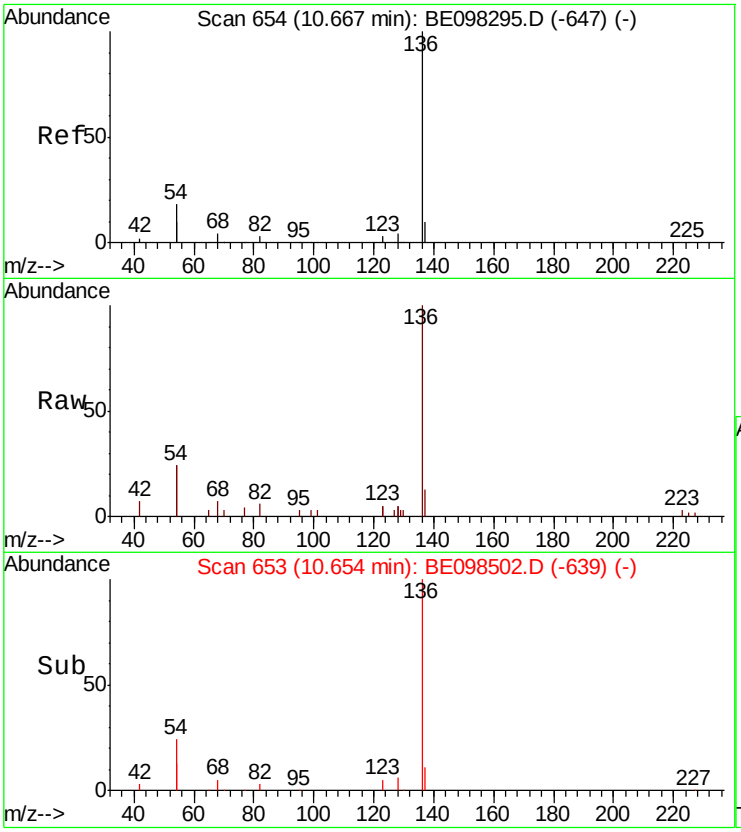


#6
bis(2-Chloroethyl)ether
Concen: 0.372 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion: 93 Resp: 909

Ion	Ratio	Lower	Upper
93	100		
63	310.2	264.4	396.6
95	30.6	26.6	40.0



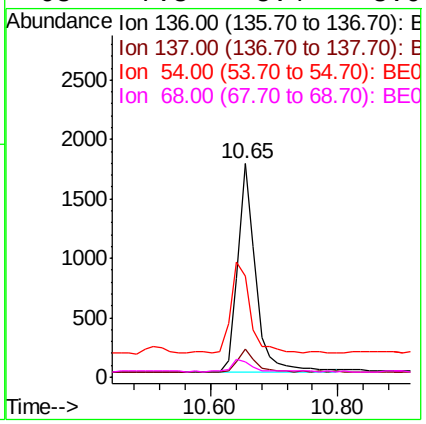


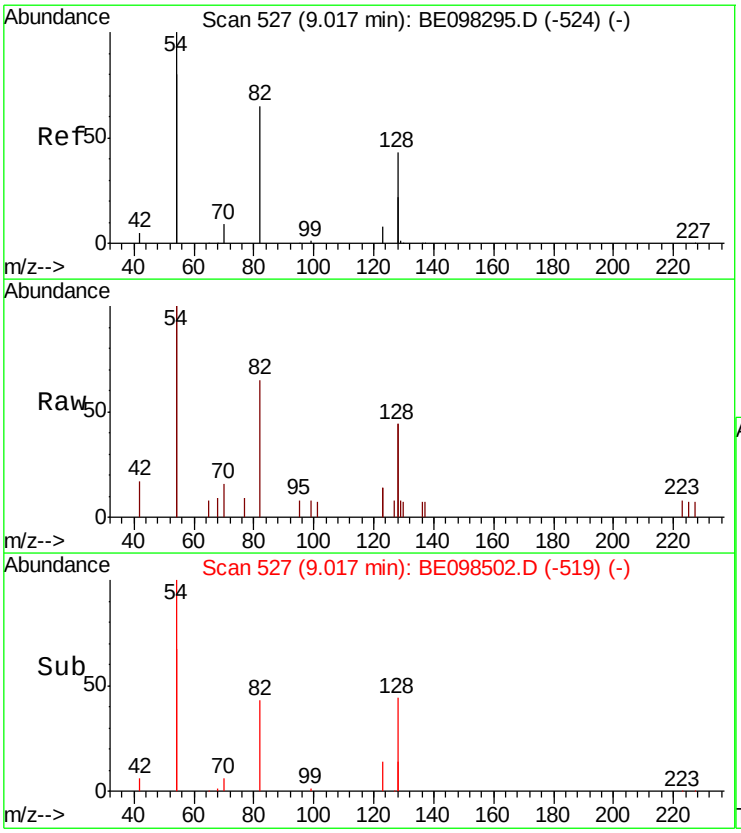
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 3440

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.2	13.8
54	47.5	28.4	42.6#
68	7.3	5.4	8.0

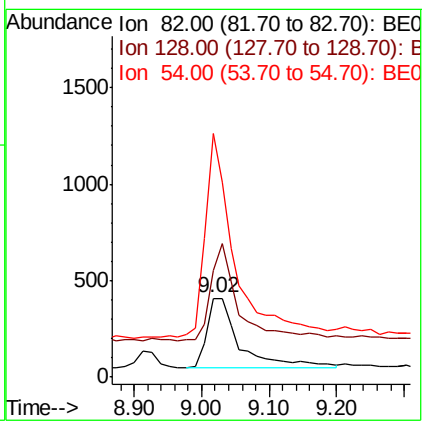


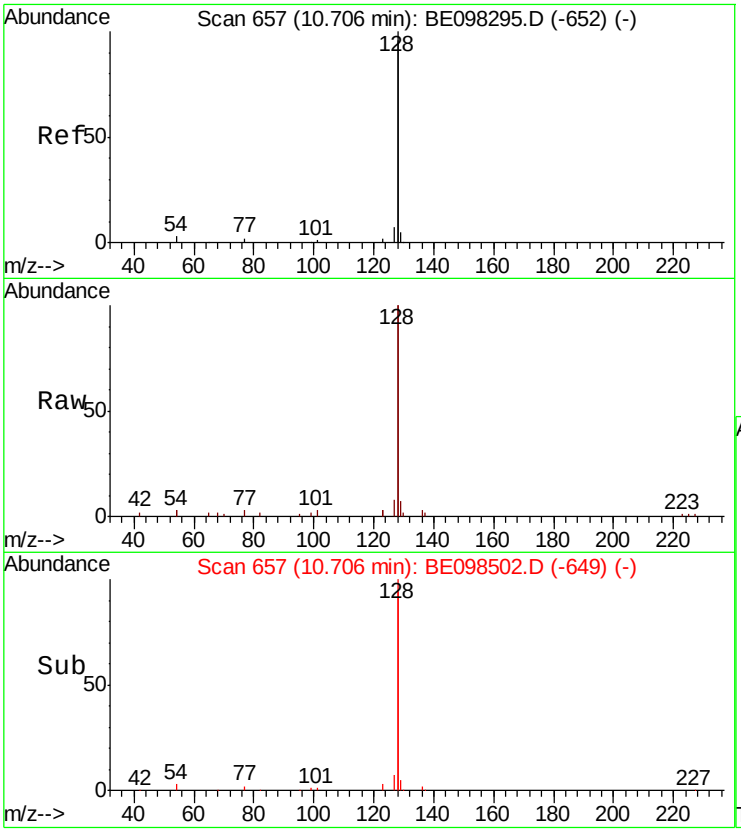


#8
Nitrobenzene-d5
Concen: 0.394 ng
RT: 9.02 min Scan# 527
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion: 82 Resp: 1235

Ion	Ratio	Lower	Upper
82	100		
128	135.3	102.4	153.6
54	309.3	221.8	332.8



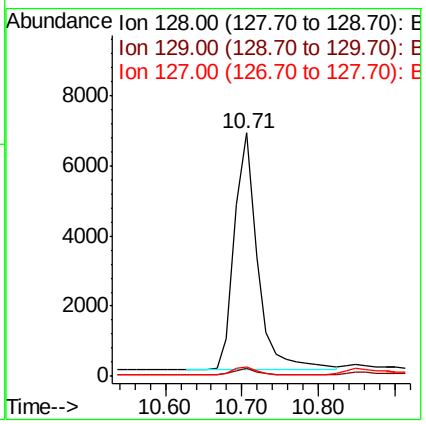


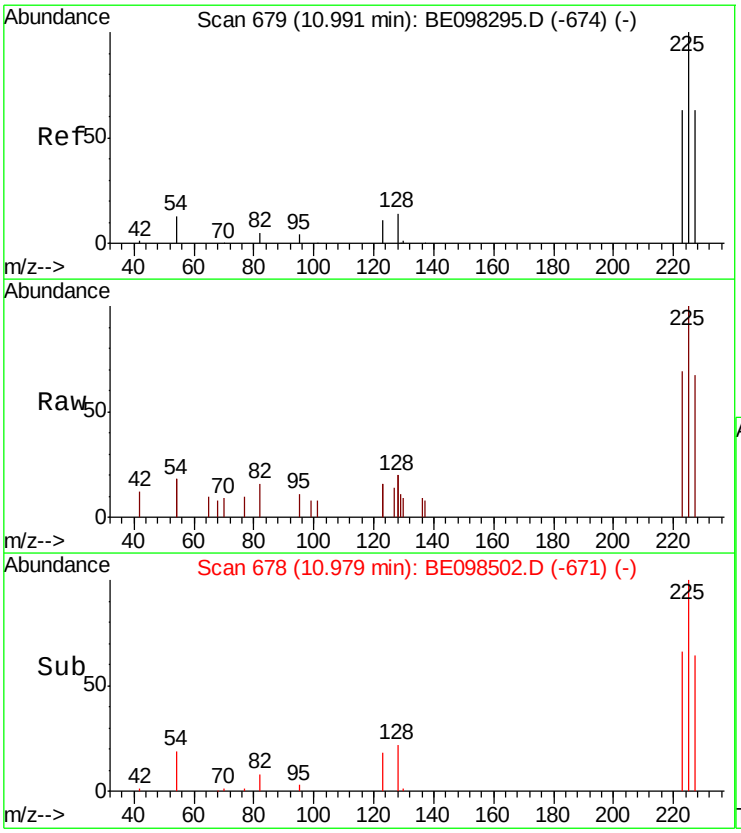
#9
Naphthalene
Concen: 0.408 ng
RT: 10.71 min Scan# 657
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 14129

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.5	3.7
127	4.1	2.7	4.1#

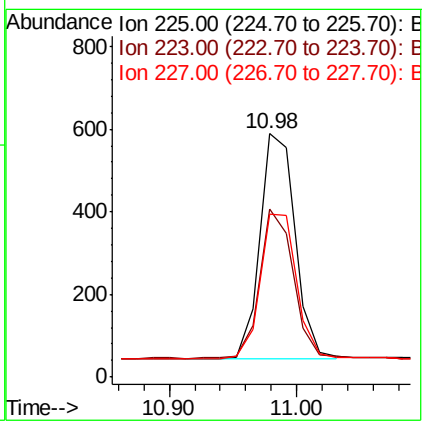


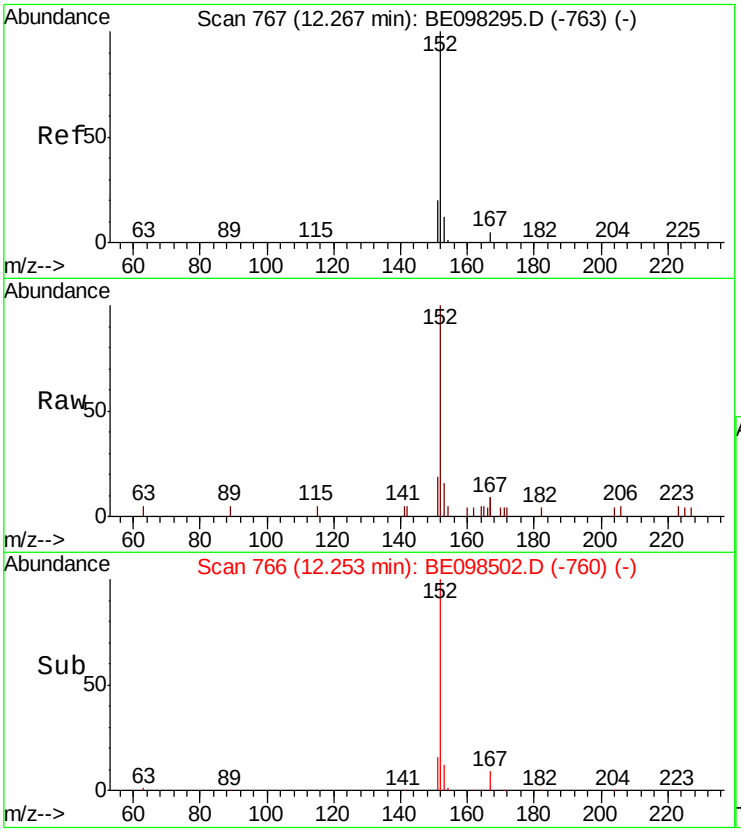


#10
Hexachlorobutadiene
Concen: 0.470 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:225 Resp: 1035

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.4	74.0
227	66.5	52.0	78.0



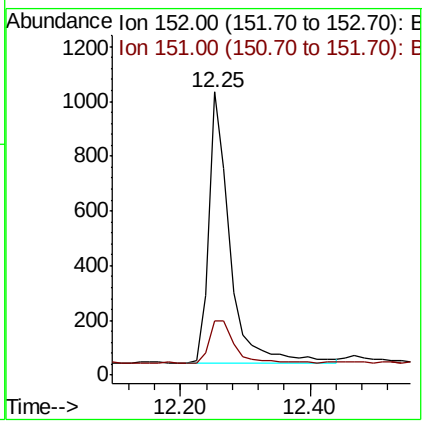


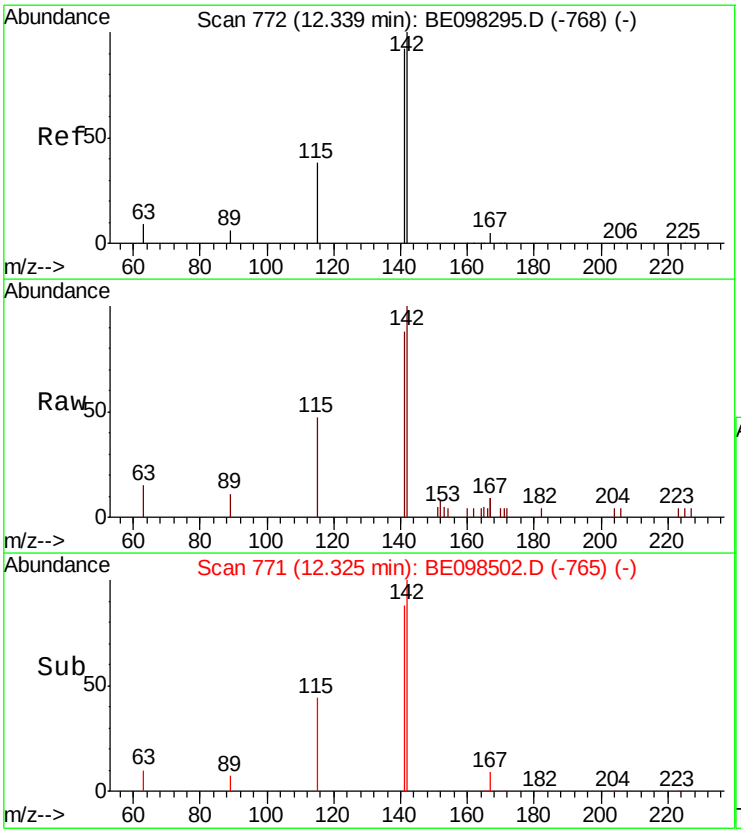
#11
2-Methylnaphthalene-d10
Concen: 0.402 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2248

Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.2	24.4

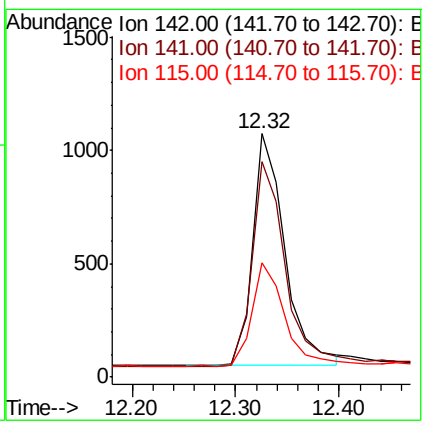


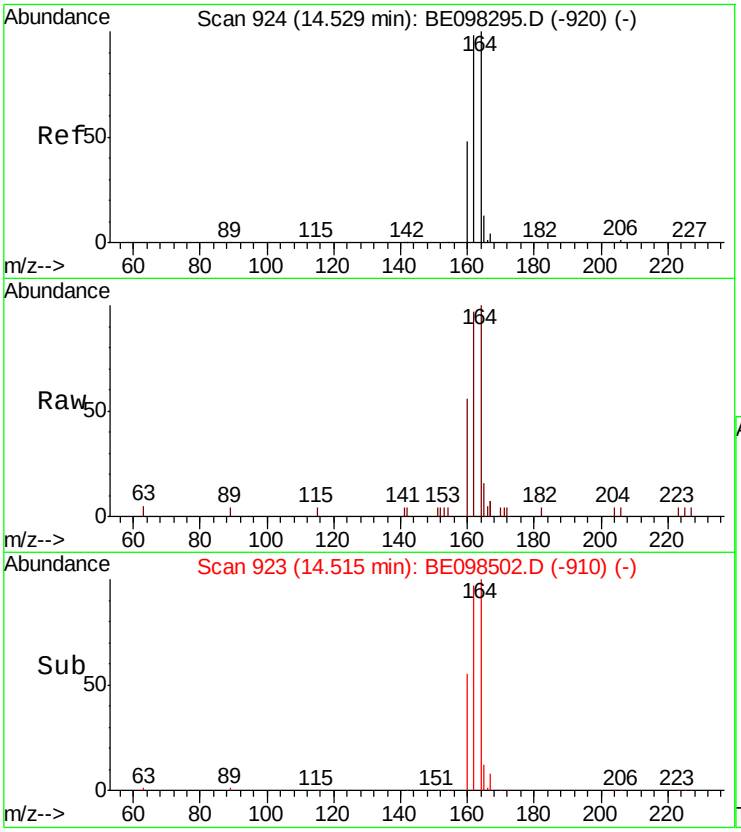


#12
2-Methylnaphthalene
Concen: 0.396 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:142 Resp: 2228

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.0	106.6
115	46.8	32.2	48.2



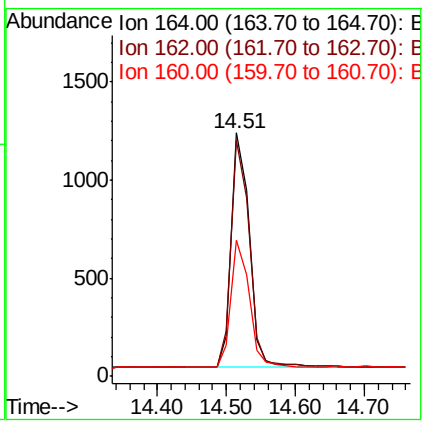


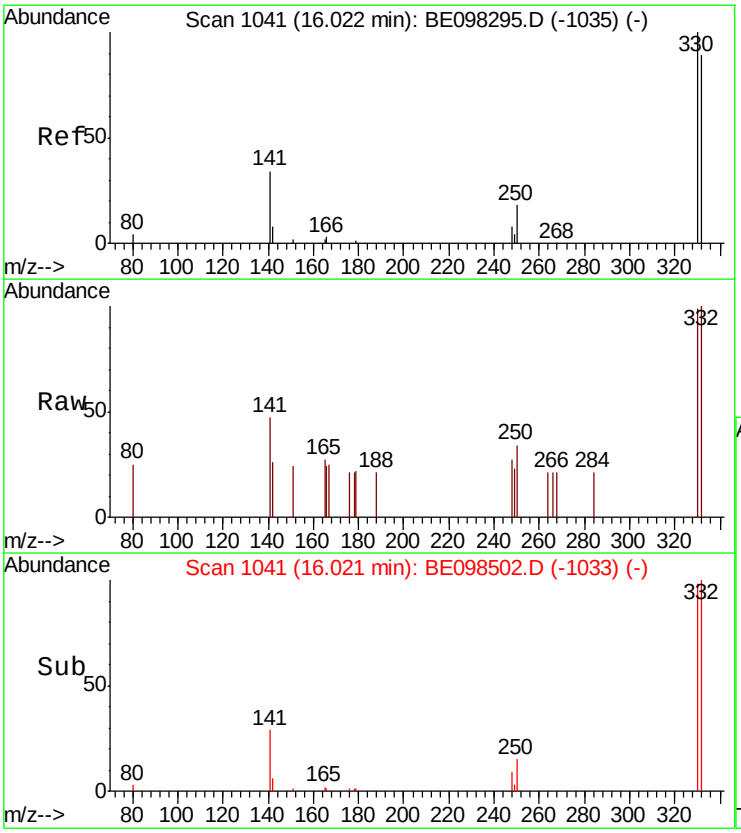
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 2162

Ion	Ratio	Lower	Upper
164	100		
162	96.8	77.6	116.4
160	56.1	36.0	54.0#

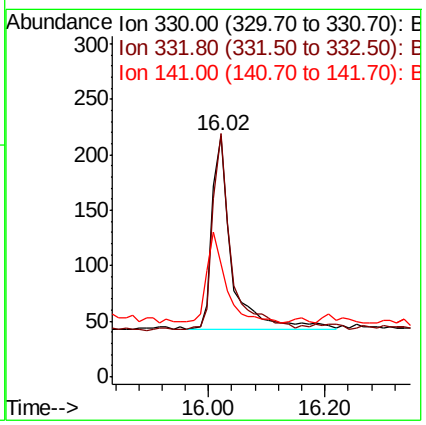


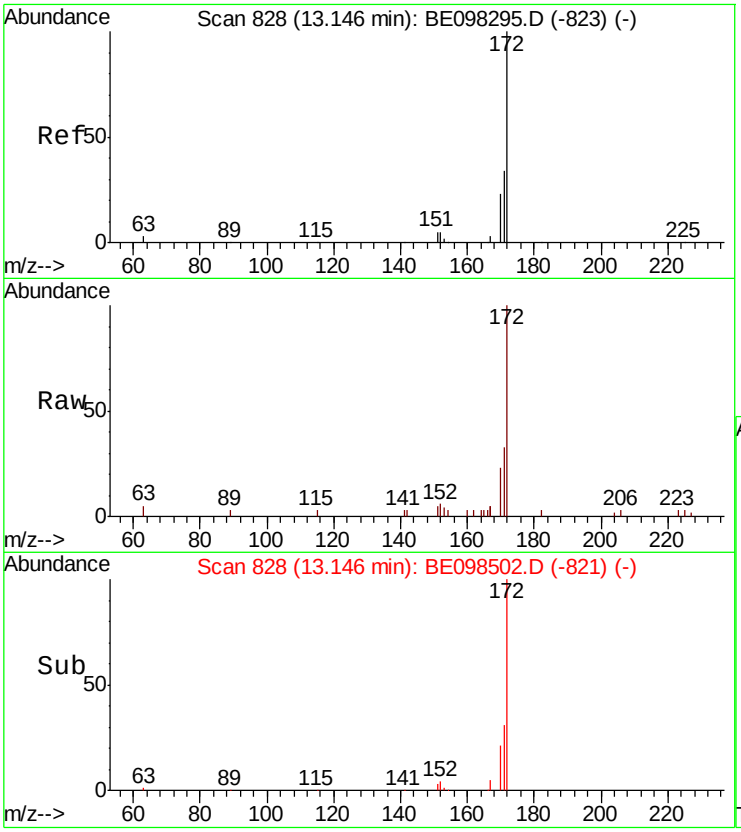


#14
2,4,6-Tribromophenol
Concen: 0.509 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:330 Resp: 404

Ion	Ratio	Lower	Upper
330	100		
332	93.6	76.2	114.4
141	47.0	39.0	58.4



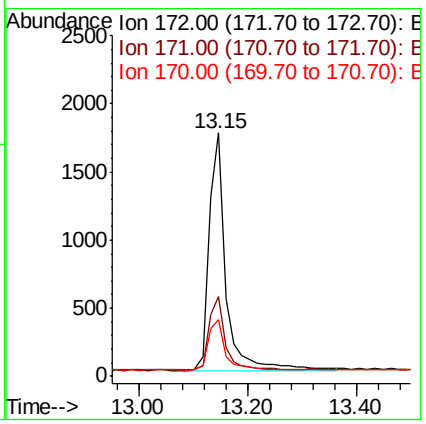


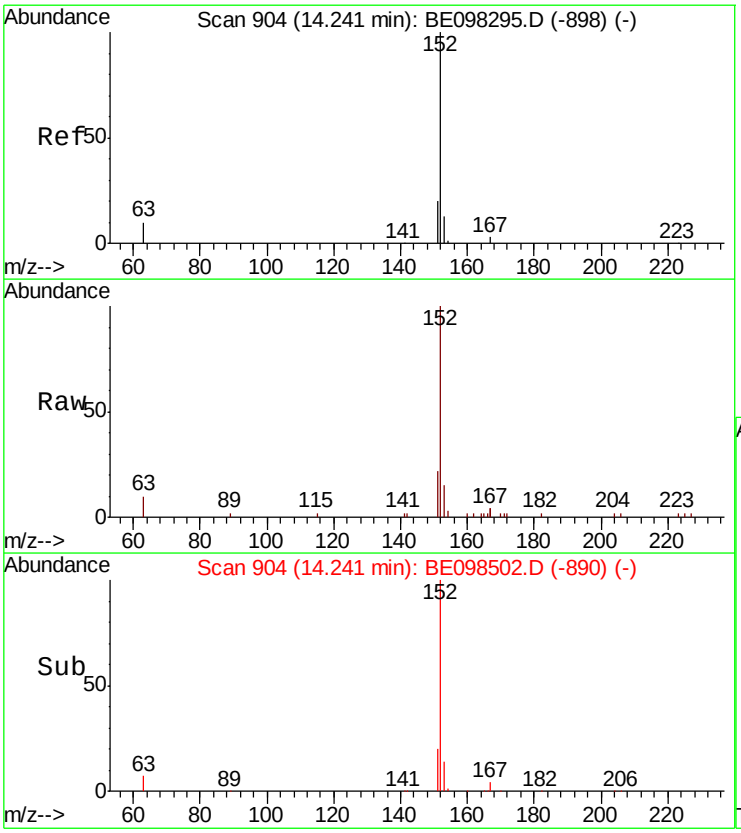
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 3743

Ion	Ratio	Lower	Upper
172	100		
171	32.5	27.5	41.3
170	23.2	19.6	29.4

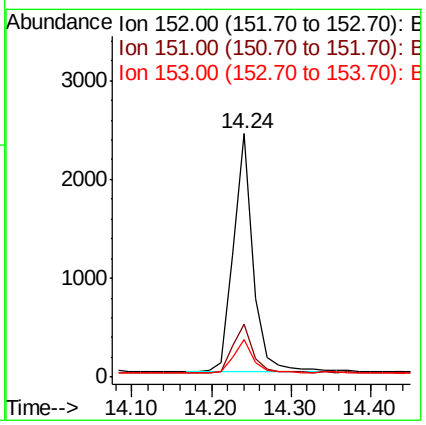


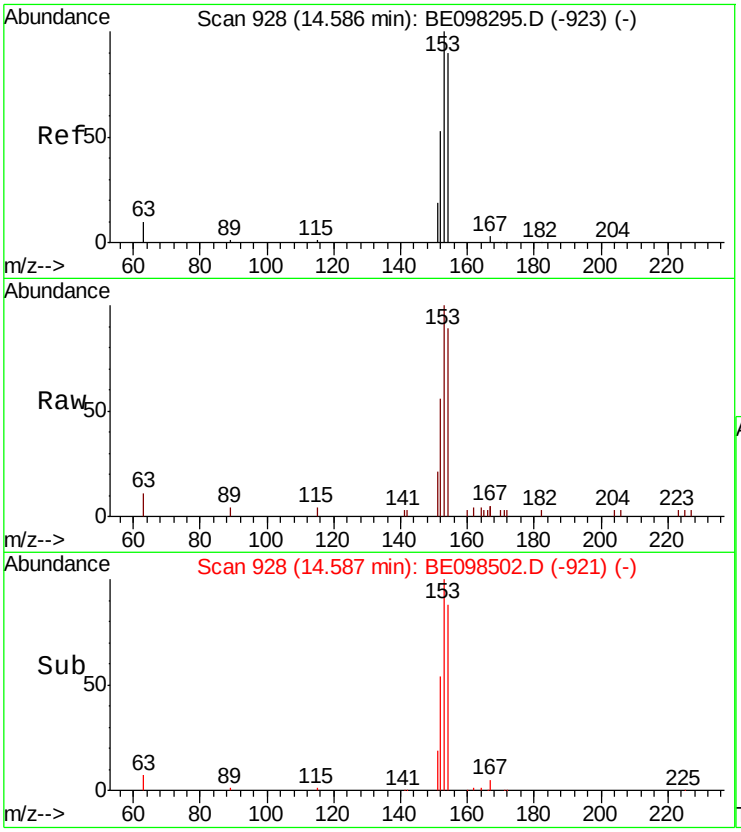


#16
Acenaphthylene
Concen: 0.411 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:152 Resp: 4162

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3
153	13.5	10.6	16.0



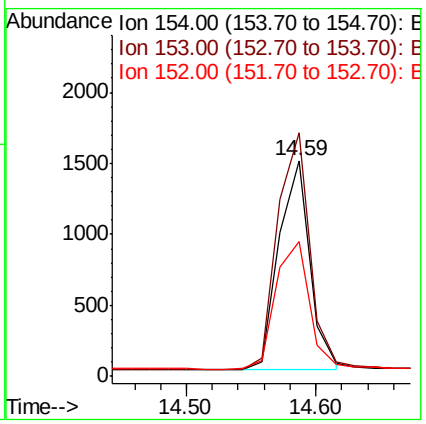


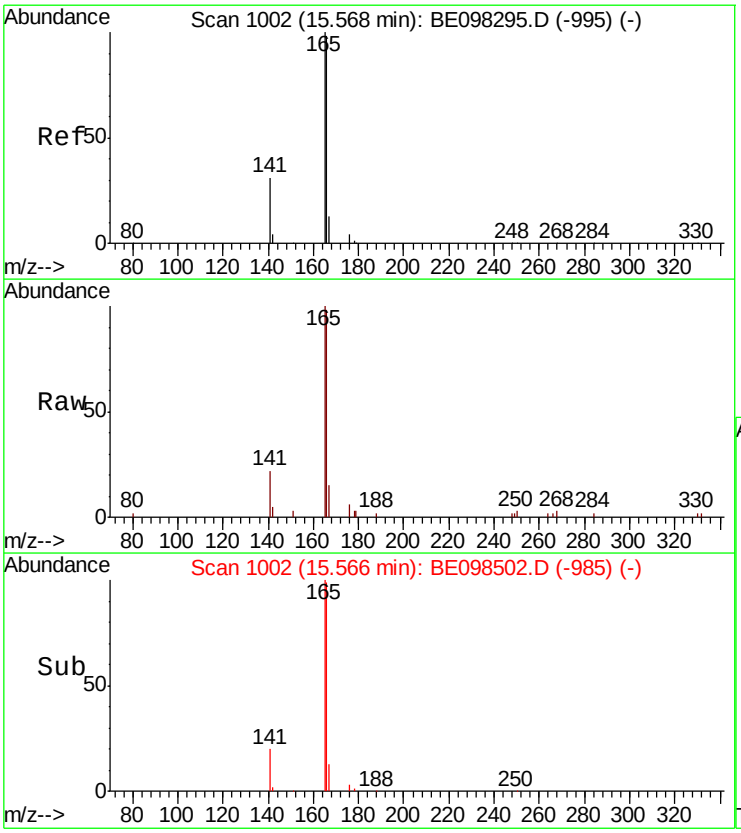
#17
Acenaphthene
Concen: 0.408 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2483

Ion	Ratio	Lower	Upper
154	100		
153	117.2	91.8	137.6
152	66.4	45.5	68.3

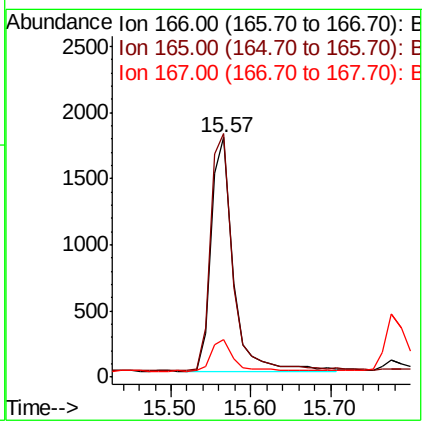


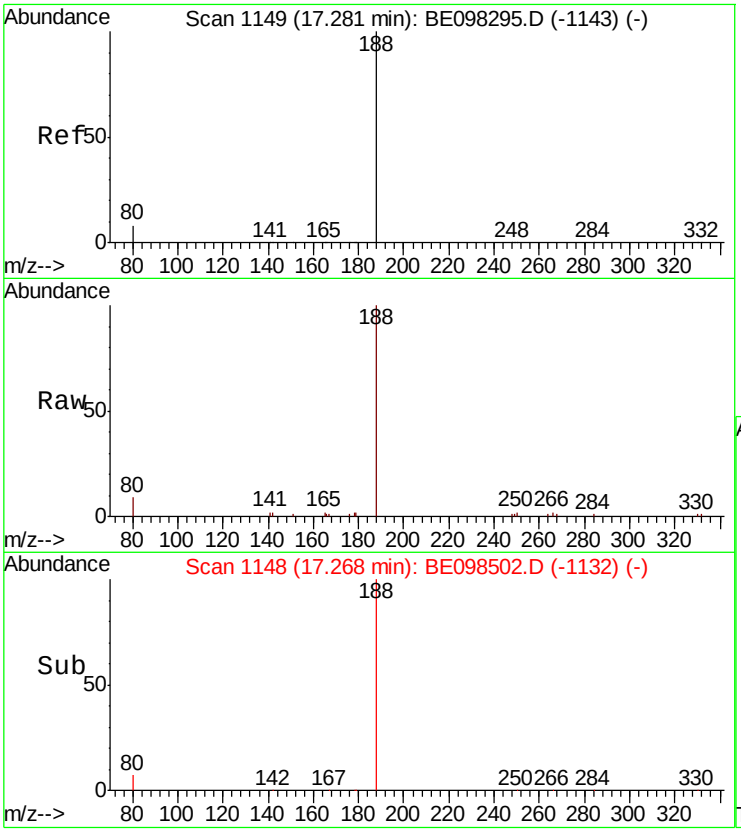


#18
Fluorene
Concen: 0.415 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:166 Resp: 3379

Ion	Ratio	Lower	Upper
166	100		
165	103.5	79.3	118.9
167	13.6	11.3	16.9



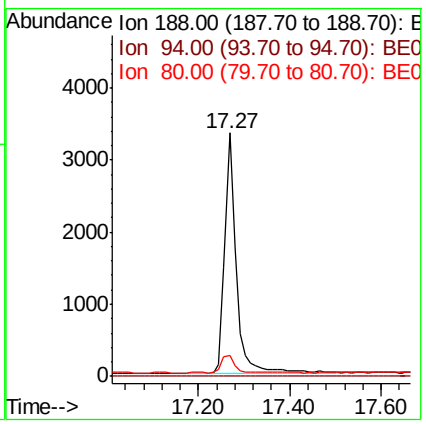


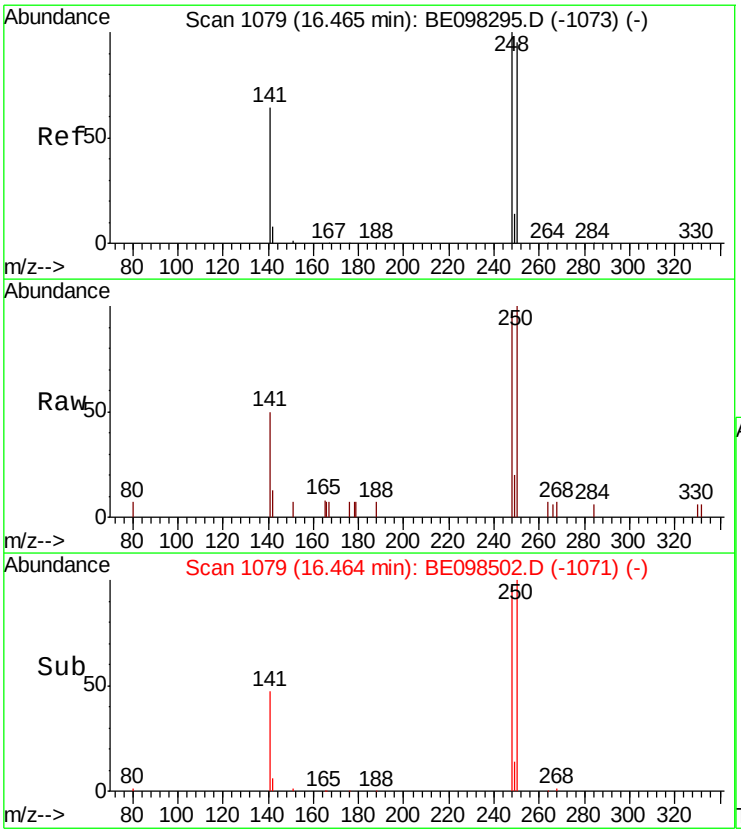
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 5739

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	7.2	10.8

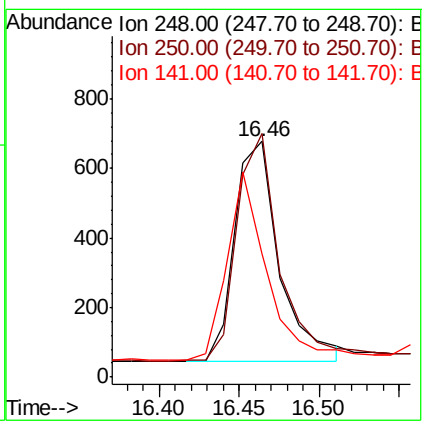


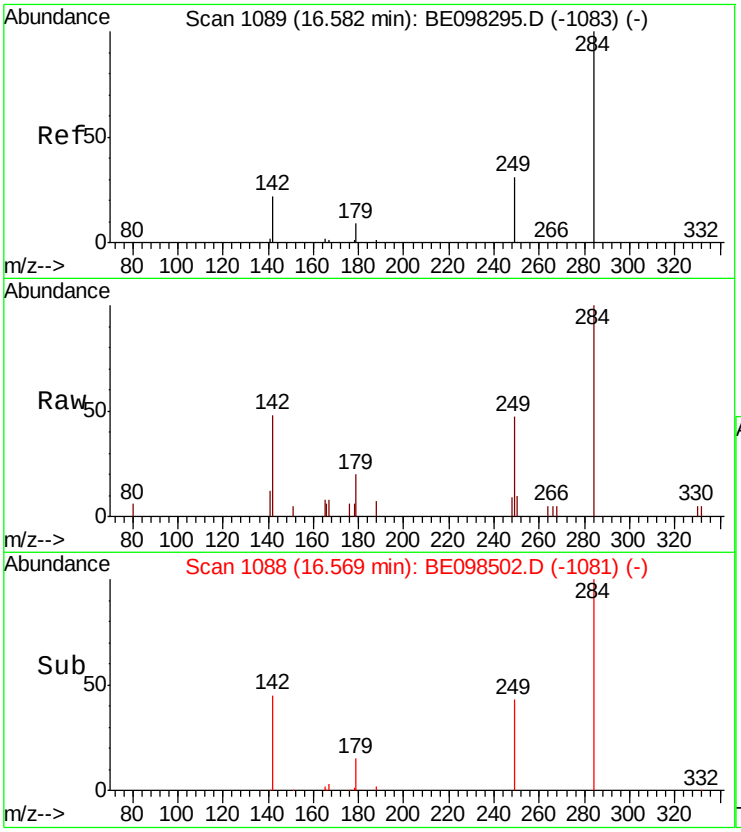


#20
4-Bromophenyl-phenylether
Concen: 0.399 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:248 Resp: 1233

Ion	Ratio	Lower	Upper
248	100		
250	103.2	71.0	106.6
141	52.1	62.1	93.1#



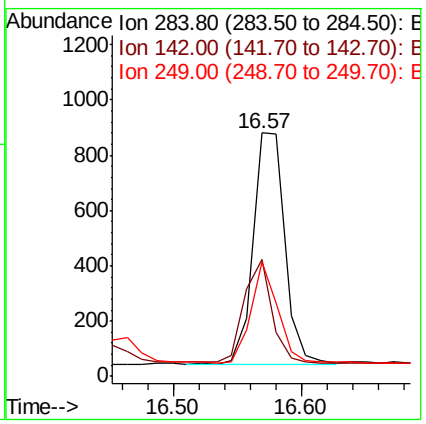


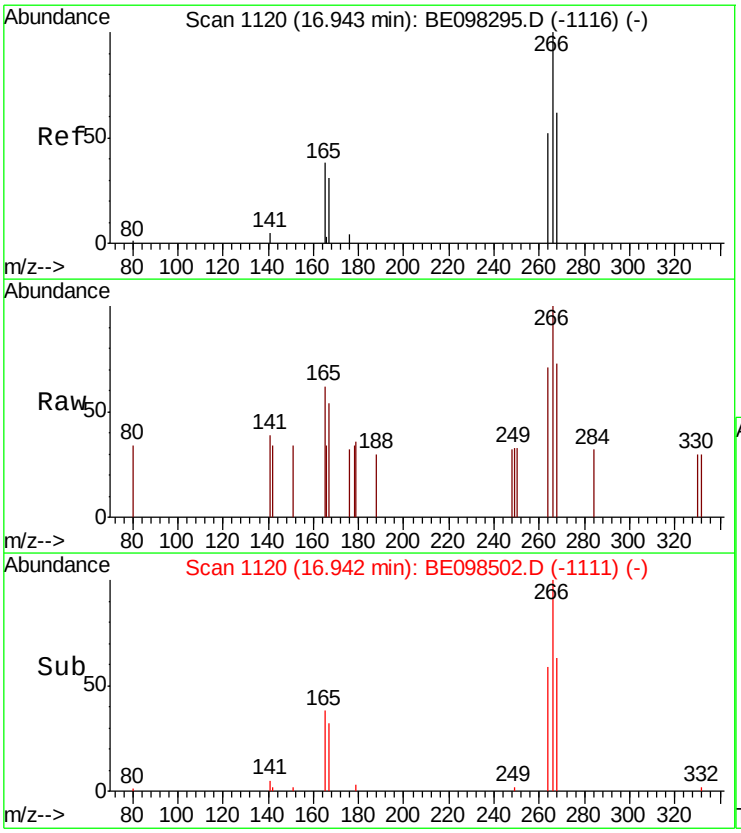
#21
Hexachlorobenzene
Concen: 0.435 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1445

Ion	Ratio	Lower	Upper
284	100		
142	38.5	26.3	39.5
249	36.3	26.0	39.0

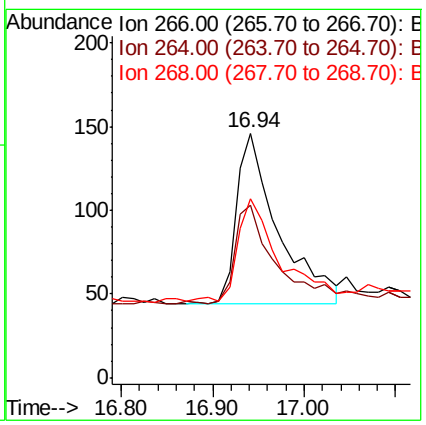


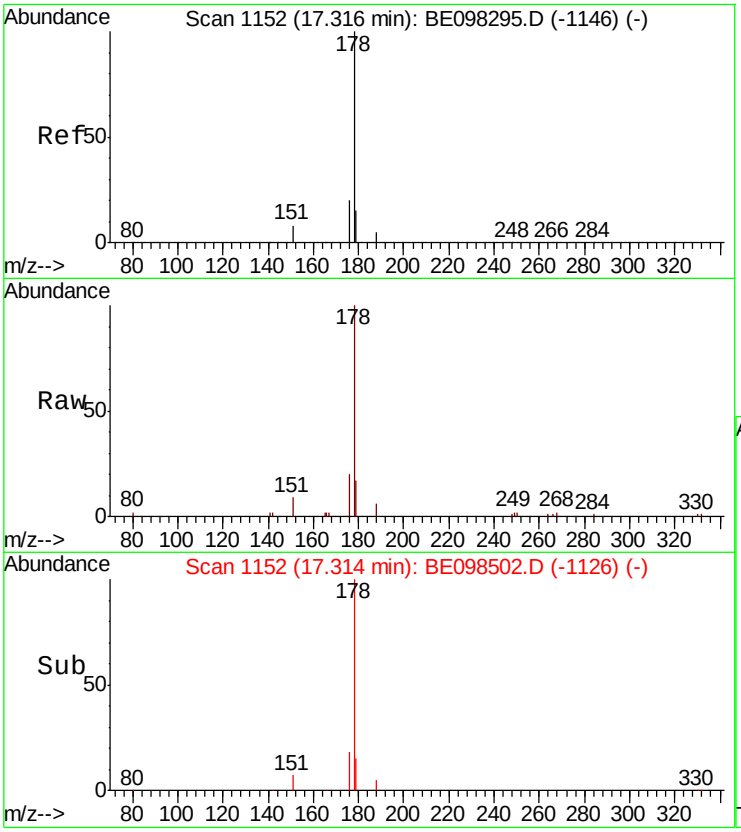


#22
Pentachlorophenol
Concen: 0.571 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:266 Resp: 324

Ion	Ratio	Lower	Upper
266	100		
264	70.5	59.0	88.4
268	73.3	55.1	82.7



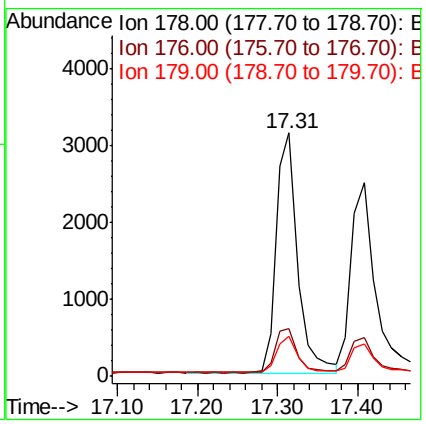


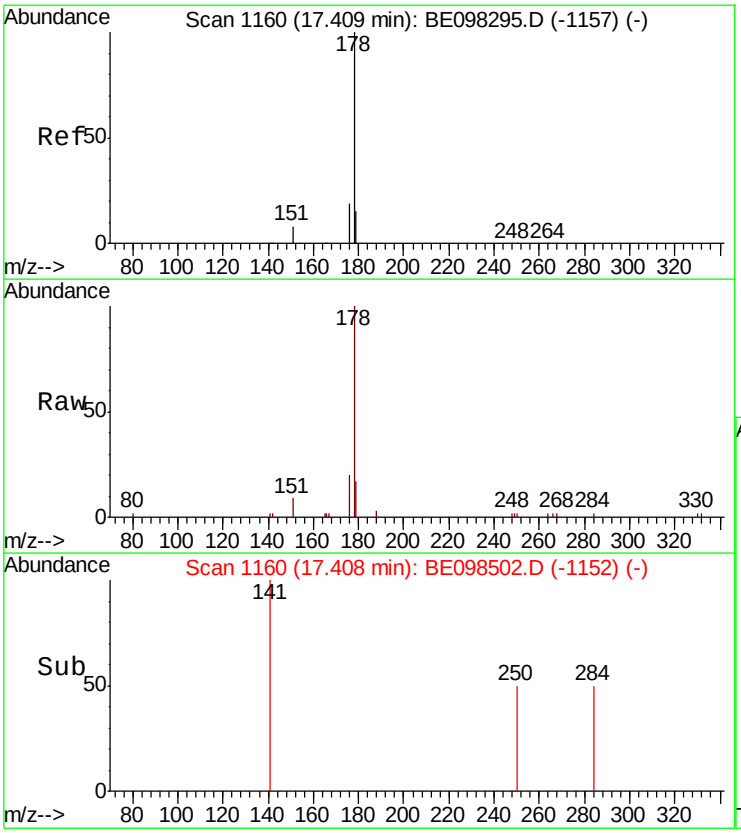
#23
Phenanthrene
Concen: 0.415 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 5790

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.2	12.3	18.5

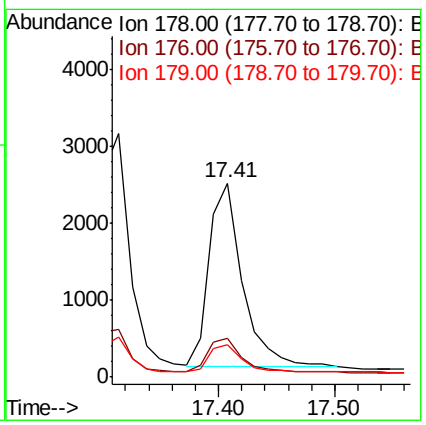


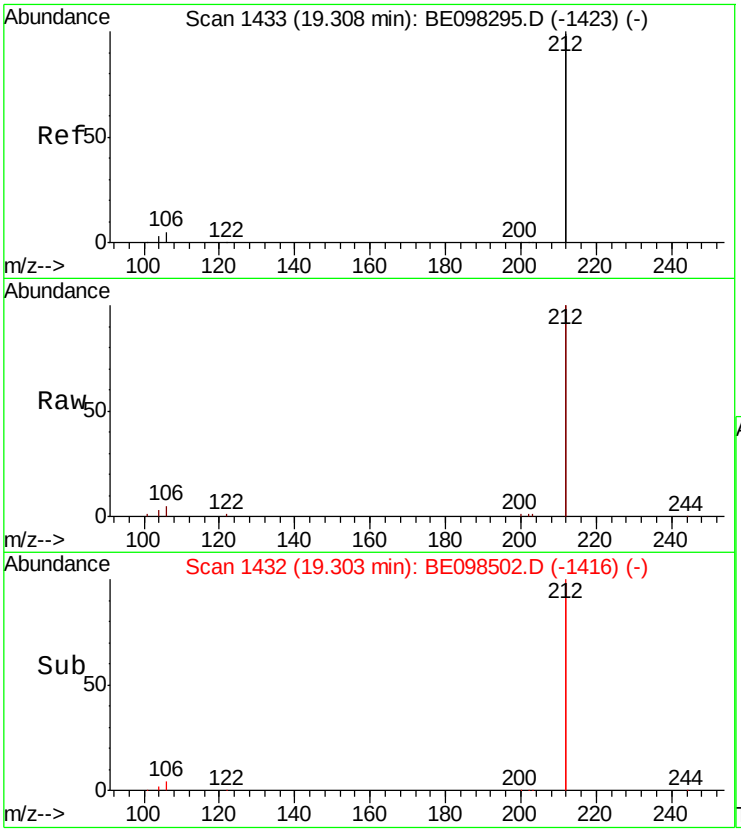


#24
Anthracene
Concen: 0.380 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:178 Resp: 4730

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.3	18.5



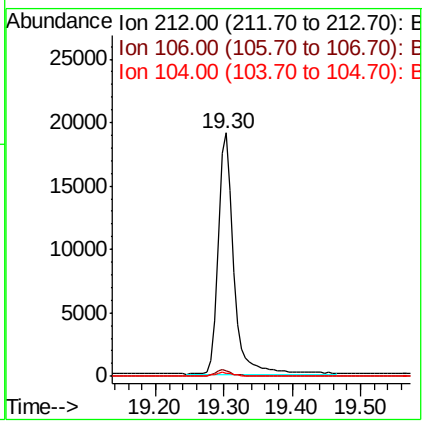


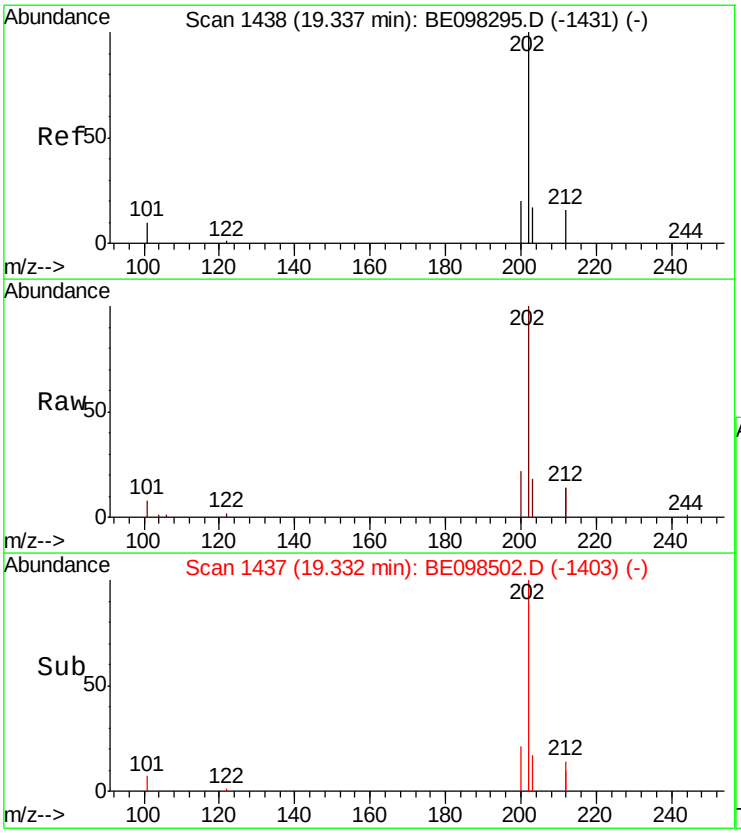
#25
Fluoranthene-d10
Concen: 0.415 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 30559

Ion	Ratio	Lower	Upper
212	100		
106	2.3	2.2	3.2
104	1.3	1.3	1.9#

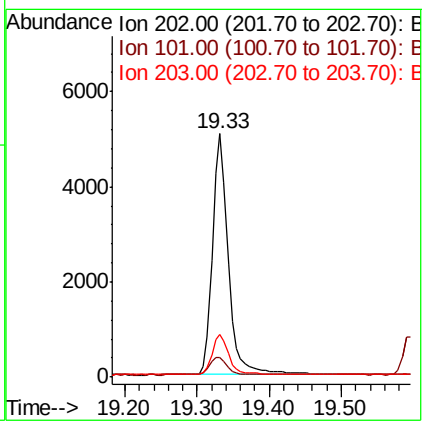


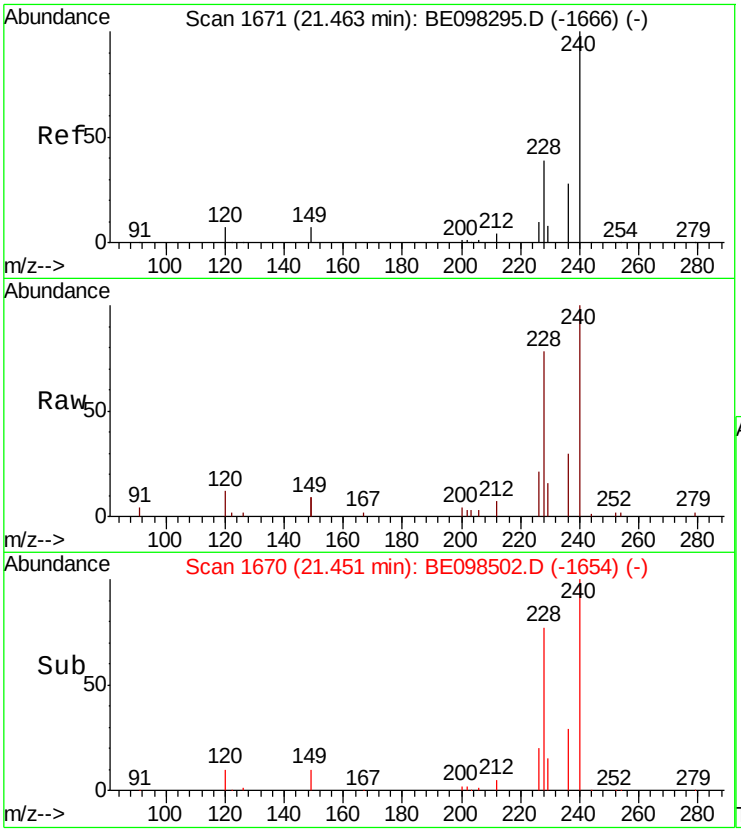


#26
Fluoranthene
Concen: 0.420 ng
RT: 19.33 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:202 Resp: 7741

Ion	Ratio	Lower	Upper
202	100		
101	8.1	8.0	12.0
203	17.1	13.8	20.6



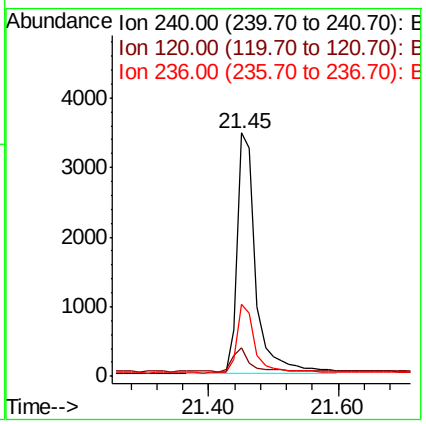


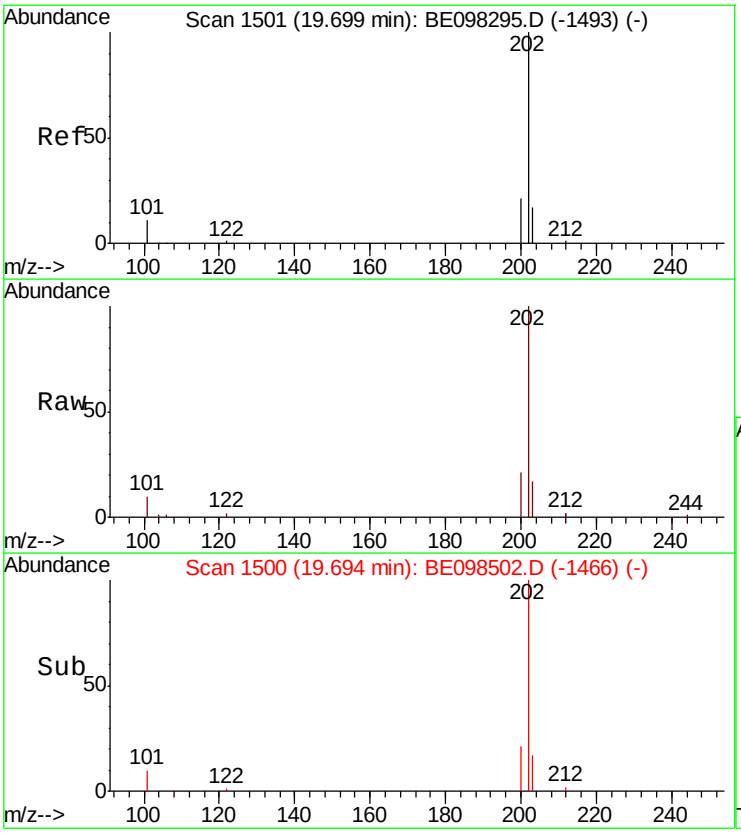
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 6955

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	29.8	22.7	34.1

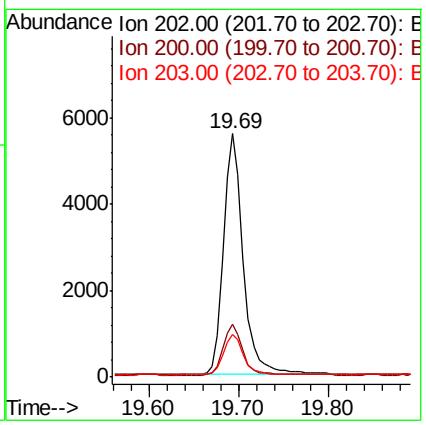


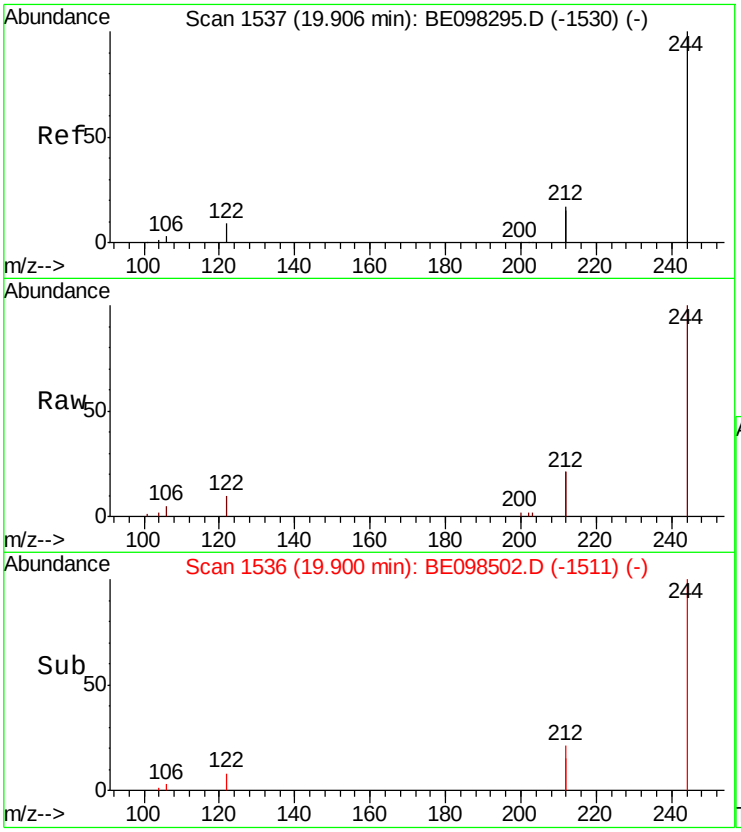


#28
Pyrene
Concen: 0.390 ng
RT: 19.69 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:202 Resp: 8516

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	16.8	14.1	21.1



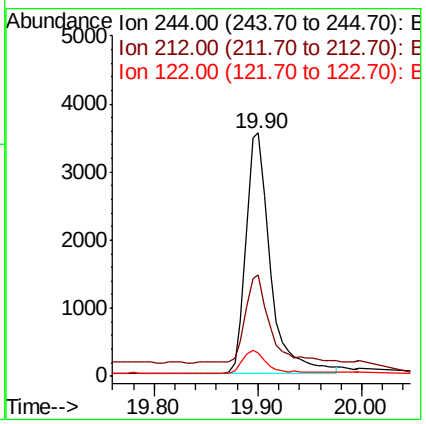


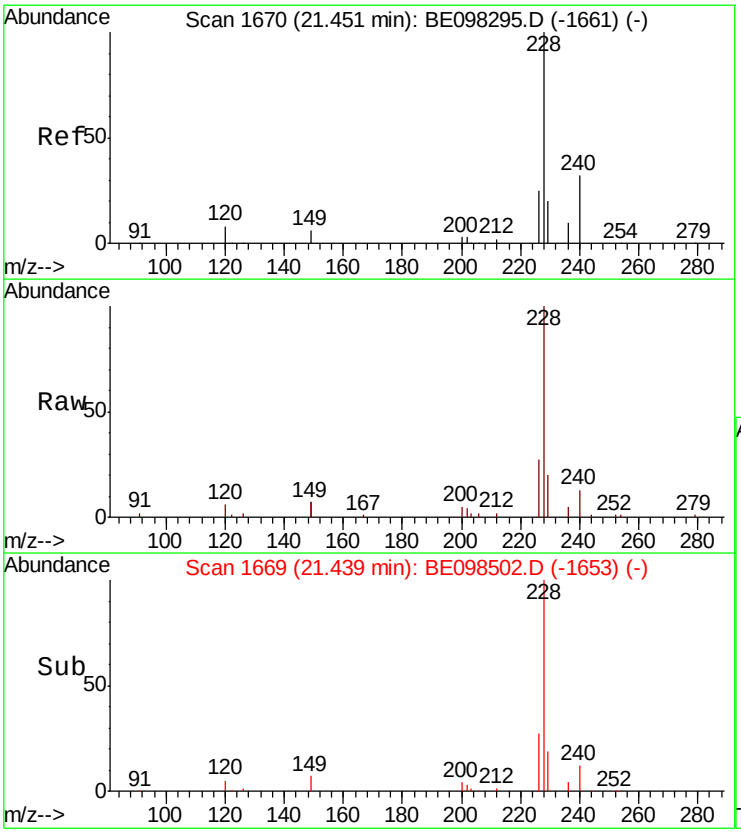
#29
Terphenyl-d14
Concen: 0.342 ng
RT: 19.90 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 5784

Ion	Ratio	Lower	Upper
244	100		
212	41.7	27.4	41.0#
122	9.6	8.3	12.5

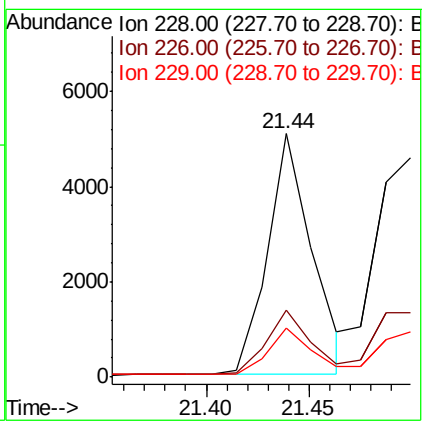


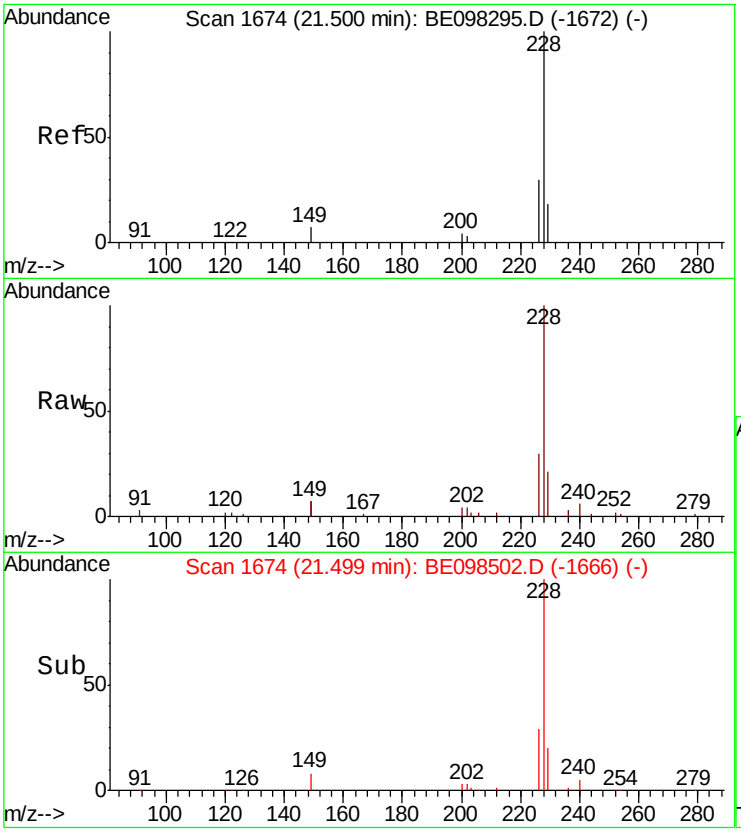


#30
Benzo(a)anthracene
Concen: 0.387 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:228 Resp: 7669

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	20.1	16.3	24.5



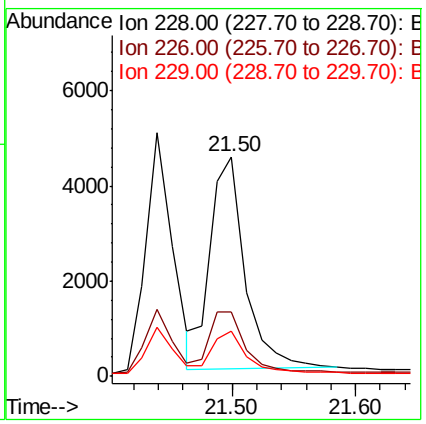


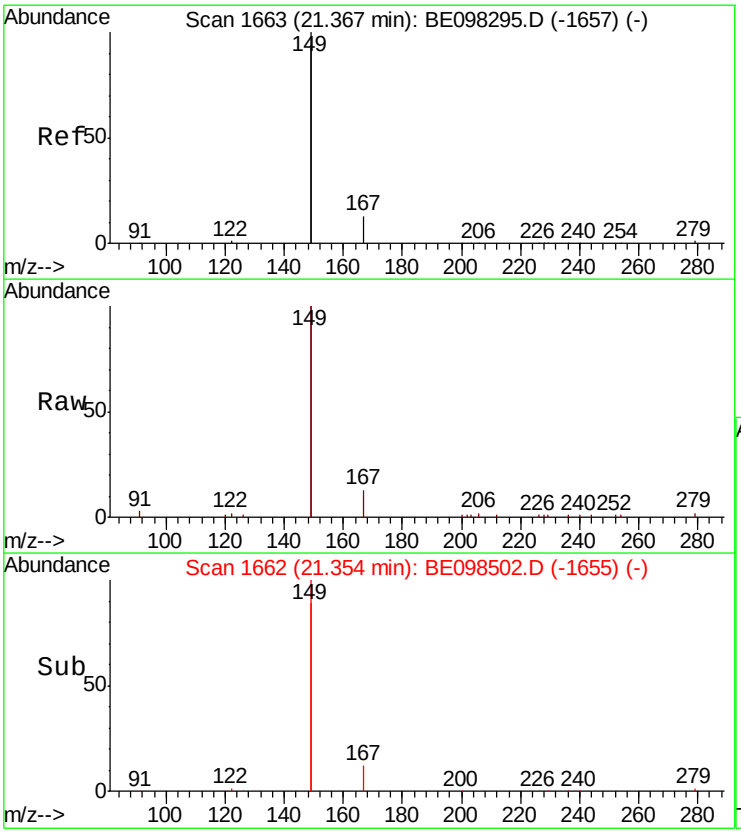
#31
Chrysene
Concen: 0.422 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 8762

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.0
229	20.7	16.2	24.4

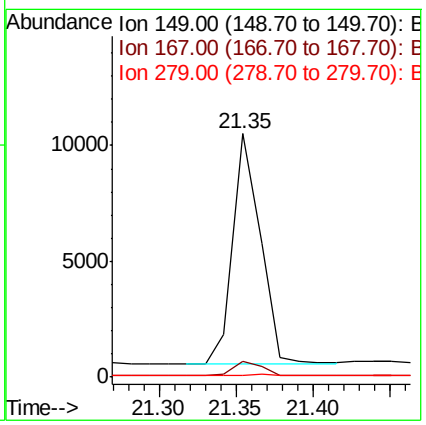


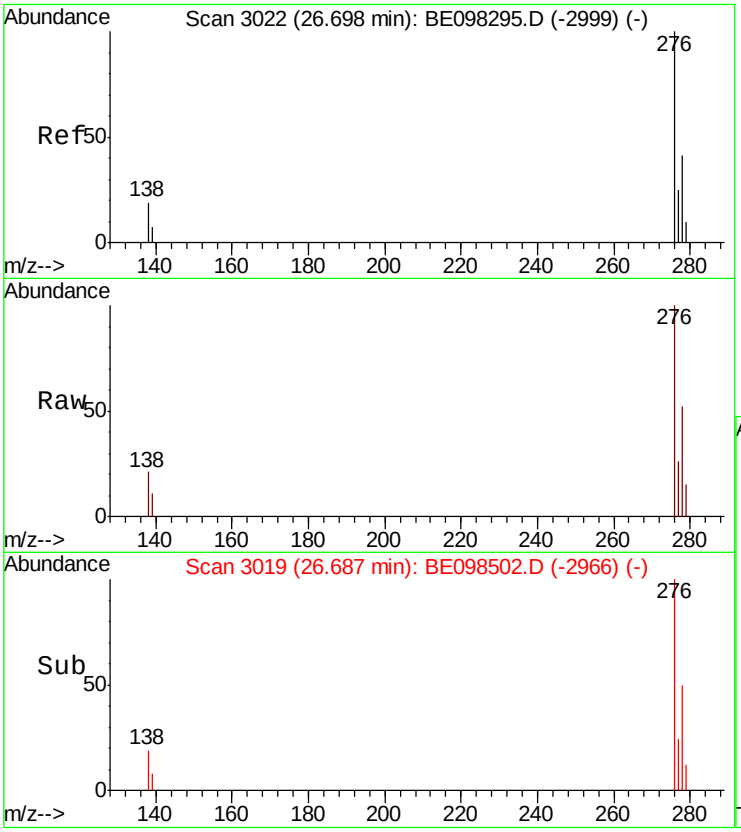


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.307 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:149 Resp: 12365

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.7	8.5
279	1.1	1.0	1.4



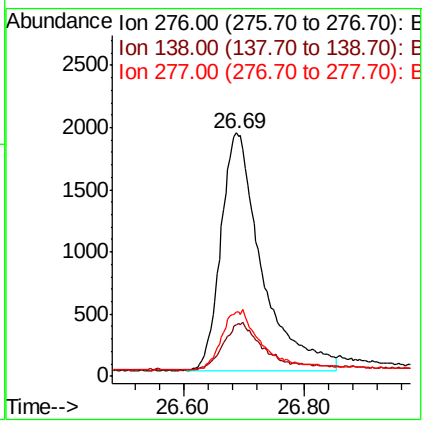


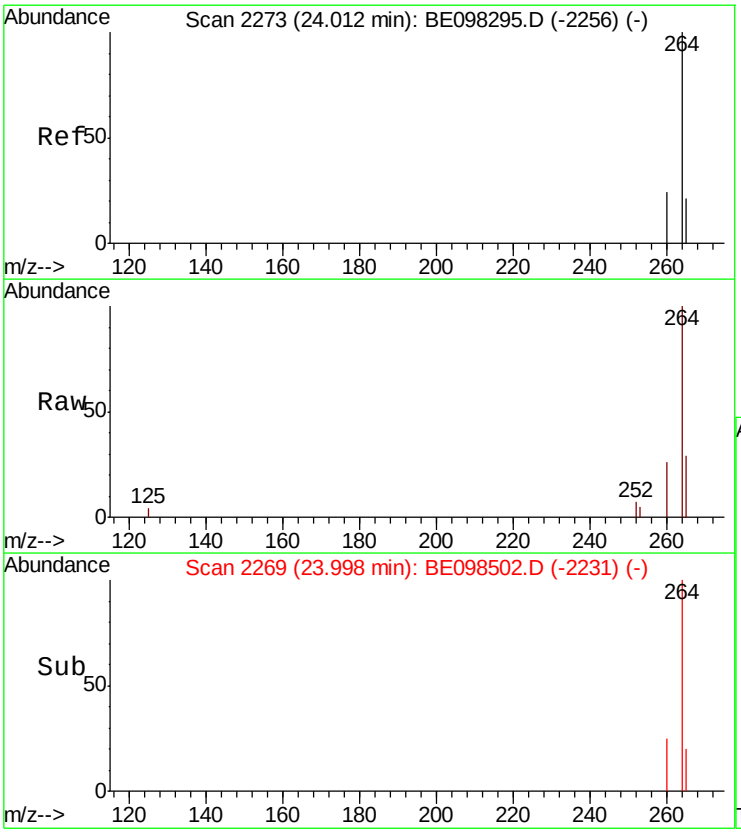
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 26.69 min Scan# 3019
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 8905

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.3	24.5
277	23.7	20.2	30.4

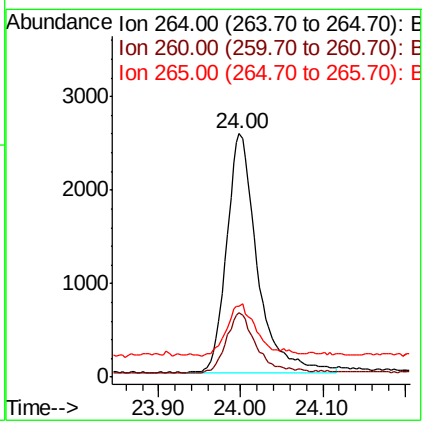


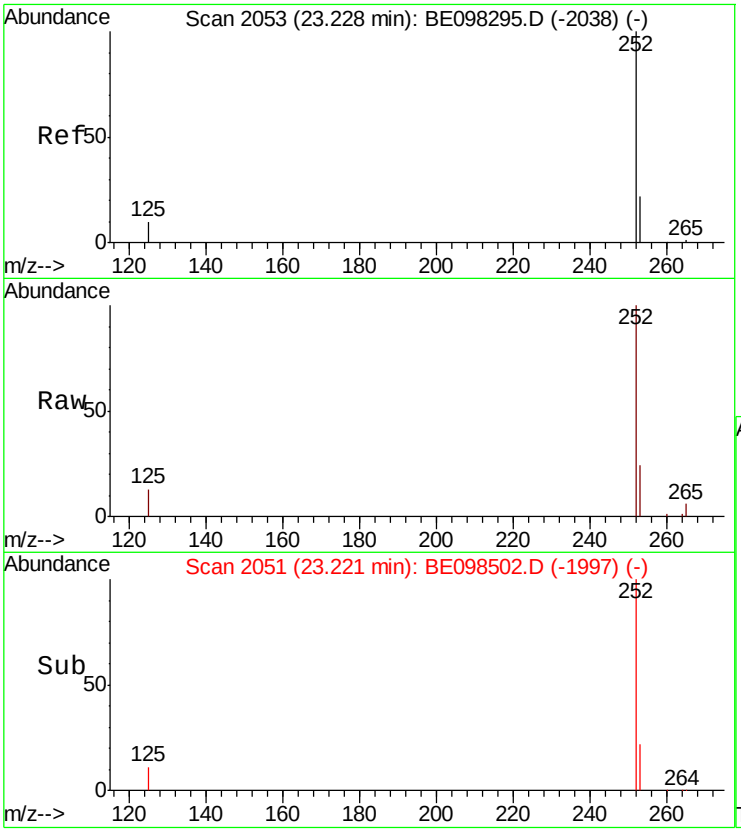


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:264 Resp: 6604

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.2	30.2
265	29.1	25.2	37.8



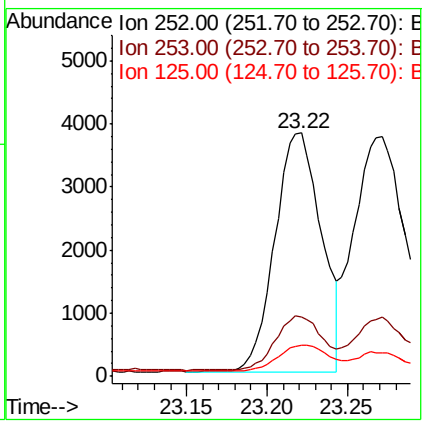


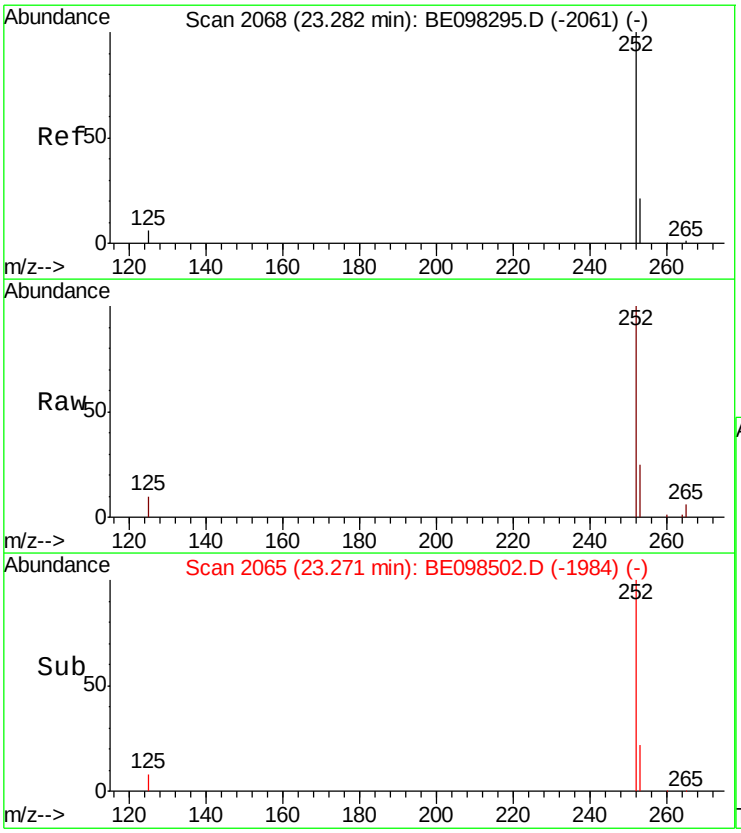
#35
Benzo(b)fluoranthene
Concen: 0.422 ng
RT: 23.22 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 7613

Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.0	30.0
125	13.0	9.6	14.4

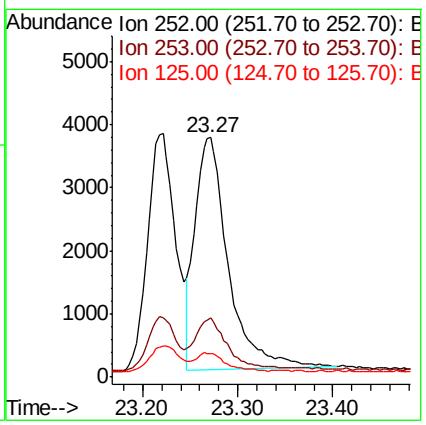


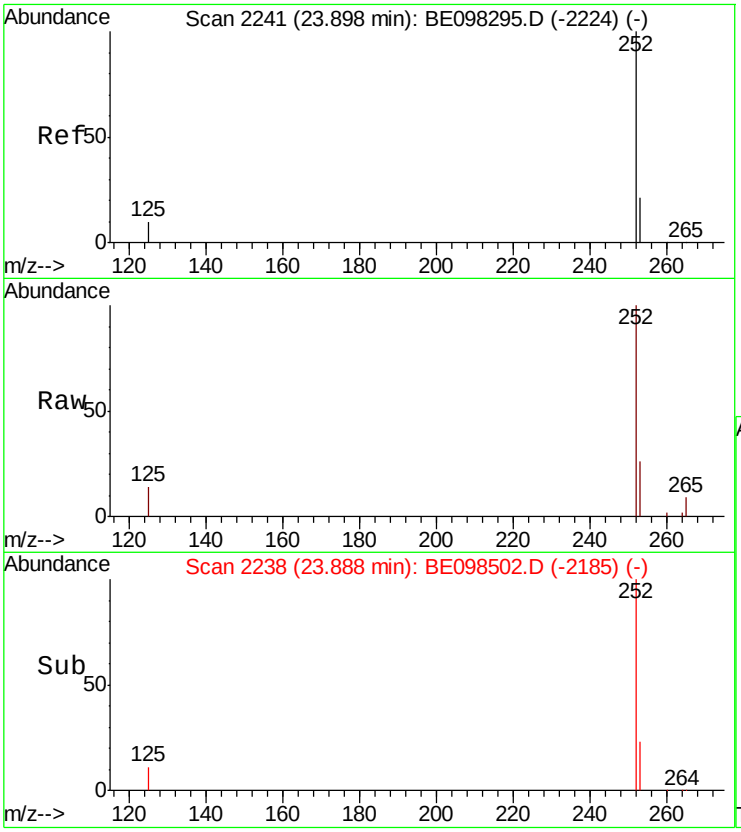


#36
Benzo(k)fluoranthene
Concen: 0.427 ng
RT: 23.27 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:252 Resp: 8980

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.0	28.6
125	10.0	9.1	13.7



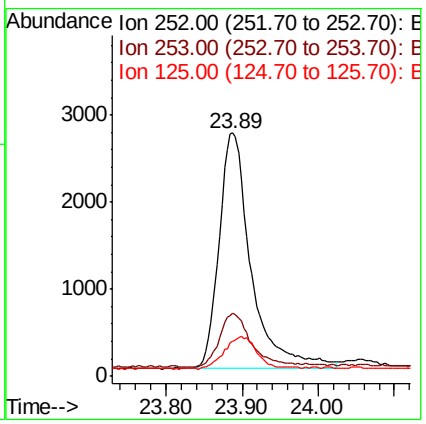


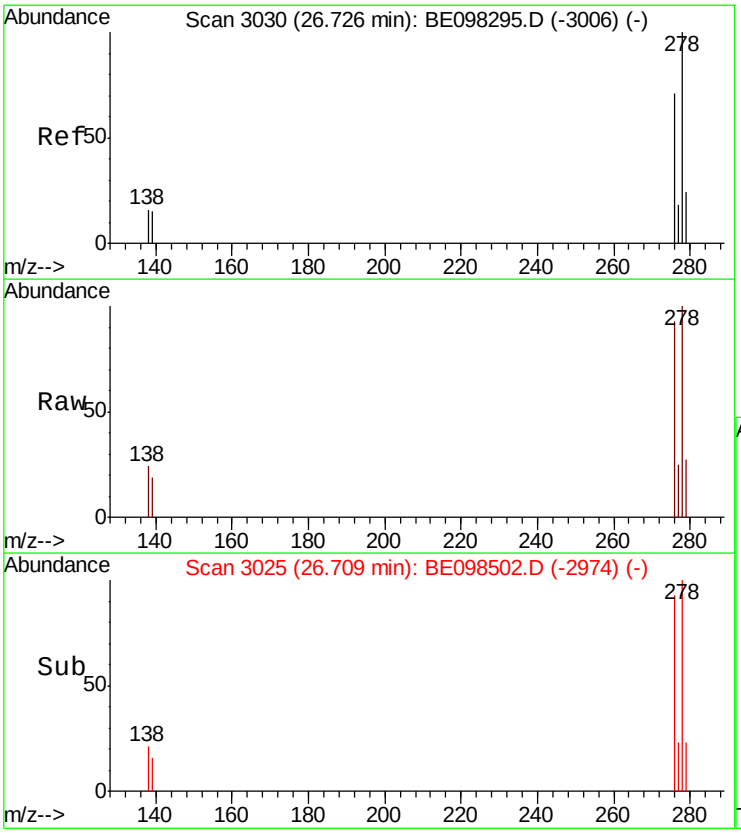
#37
Benzo(a)pyrene
Concen: 0.426 ng
RT: 23.89 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 7944

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.6	30.8
125	14.3	10.5	15.7

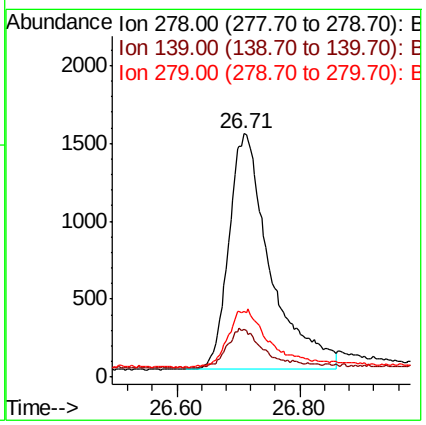


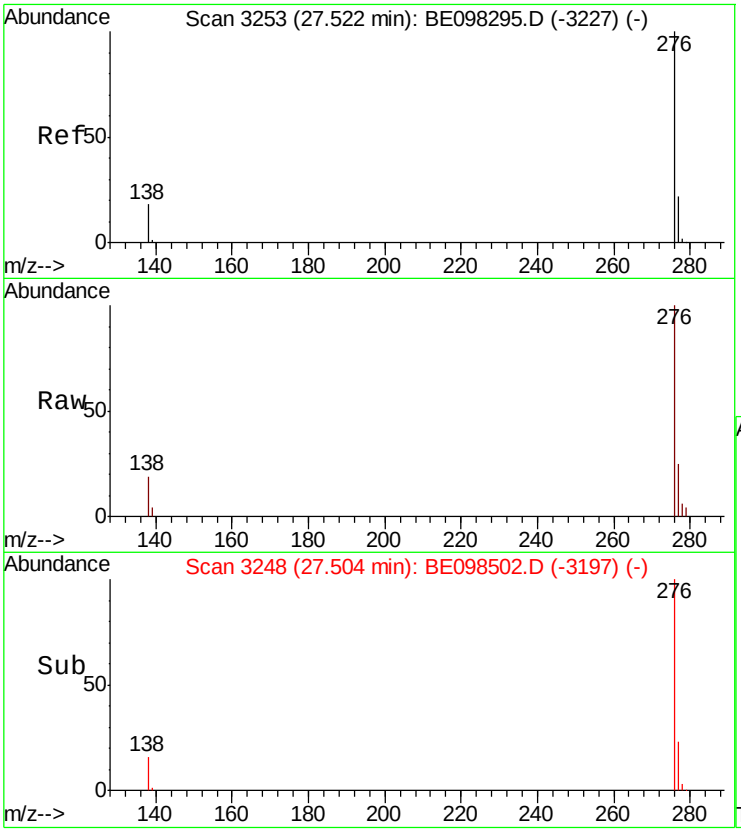


#38
Dibenzo(a,h)anthracene
Concen: 0.405 ng
RT: 26.71 min Scan# 3025
Delta R.T. -0.02 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Tgt Ion:278 Resp: 7108

Ion	Ratio	Lower	Upper
278	100		
139	19.5	14.5	21.7
279	26.8	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.439 ng
RT: 27.50 min Scan# 3248
Delta R.T. -0.02 min
Lab File: BE098502.D
Acq: 16 Dec 2018 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 7771

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.8	31.2
138	18.5	15.8	23.6