Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
Data File : BE098615.D
Acq On : 4 Jan 2019 14:58
Operator : SJ/JU
Sample : PB116164BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB116164BS

Quant Time: Jan 04 21:12:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1191	0.40	ng	0.02
7) Naphthalene-d8	10.63	136	4880	0.40	ng	0.02
13) Acenaphthene-d10	14.48	164	2550	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	5562	0.40	ng	0.01
27) Chrysene-d12	21.41	240	6535	0.40	ng	0.01
34) Perylene-d12	23.94	264	7246	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	1018	0.37	ng	0.04
5) Phenol-d6	7.01	99	1419	0.36	ng	0.02
8) Nitrobenzene-d5	8.99	82	1305	0.29	ng	0.03
11) 2-Methylnaphthalene-d10	12.22	152	2438	0.31	ng	0.02
14) 2,4,6-Tribromophenol	15.99	330	272	0.29	ng	0.02
15) 2-Fluorobiphenyl	13.12	172	3077	0.29	ng	0.03
25) Fluoranthene-d10	19.27	212	19933	0.28	ng	0.02
29) Terphenyl-d14	19.87	244	4244	0.27	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.32	88	548	0.266	ng	# 28
3) n-Nitrosodimethylamine	3.65	42	783	0.422	ng	# 100
6) bis(2-Chloroethyl)ether	7.25	93	1091	0.291	ng	95
9) Naphthalene	10.68	128	15605	0.318	ng	99
10) Hexachlorobutadiene	10.95	225	968	0.310	ng	97
12) 2-Methylnaphthalene	12.30	142	2533	0.317	ng	95
16) Acenaphthylene	14.21	152	3595	0.301	ng	98
17) Acenaphthene	14.56	154	2194	0.306	ng	98
18) Fluorene	15.53	166	2871	0.299	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	894	0.299	ng	88
21) Hexachlorobenzene	16.55	284	994	0.309	ng	96
22) Pentachlorophenol	16.90	266	691	1.086	ng	96
23) Phenanthrene	17.28	178	4329	0.320	ng	99
24) Anthracene	17.37	178	3824	0.317	ng	98
26) Fluoranthene	19.30	202	5215	0.292	ng	98
28) Pyrene	19.66	202	5377	0.262	ng	99
30) Benzo(a)anthracene	21.40	228	5912	0.318	ng	98
31) Chrysene	21.46	228	5993	0.307	ng	98
32) Bis(2-ethylhexyl)phthalate	21.33	149	12461	0.330	ng	100
33) Indeno(1,2,3-cd)pyrene	26.60	276	7853	0.405	ng	97
35) Benzo(b)fluoranthene	23.16	252	6409	0.323	ng	97
36) Benzo(k)fluoranthene	23.22	252	6798	0.294	ng	96
37) Benzo(a)pyrene	23.82	252	6435	0.315	ng	96
38) Dibenzo(a,h)anthracene	26.61	278	6554	0.340	ng	99
39) Benzo(g,h,i)perylene	27.41	276	6904	0.356	ng	98

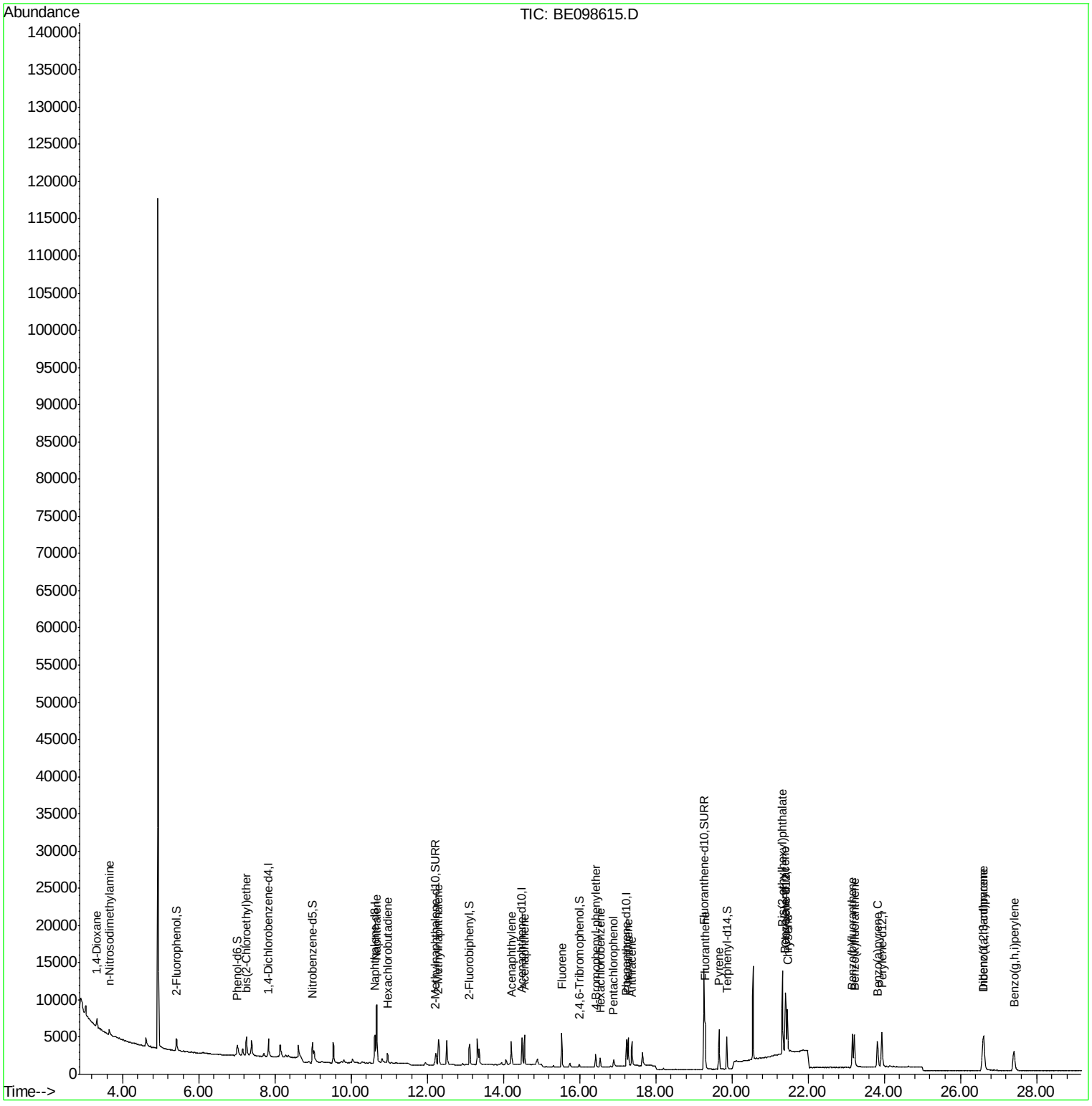
(#) = qualifier out of range (m) = manual integration (+) = signals summed

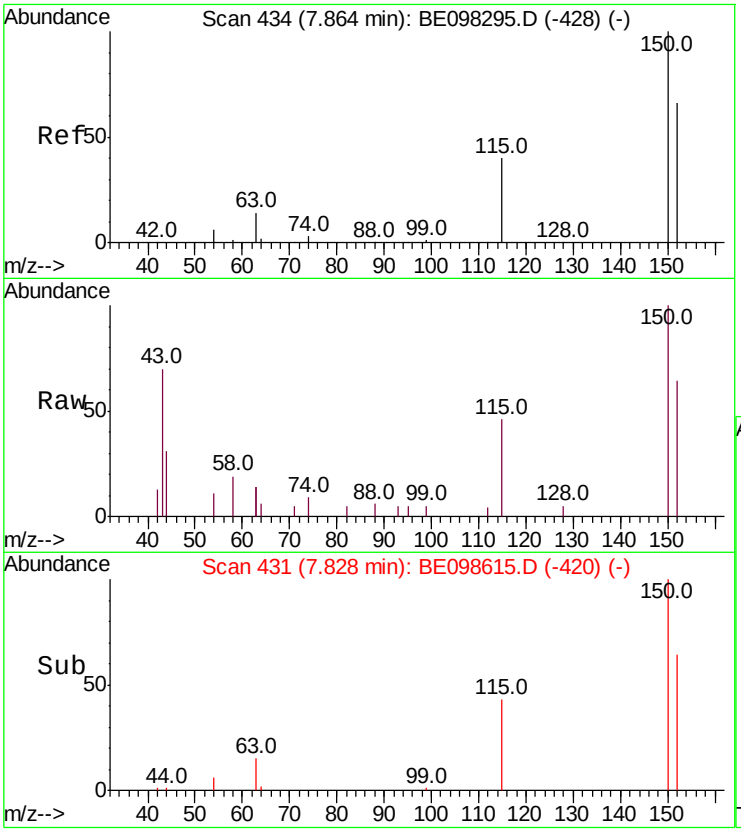
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
Data File : BE098615.D
Acq On : 4 Jan 2019 14:58
Operator : SJ/JU
Sample : PB116164BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Quant Time: Jan 04 21:12:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration



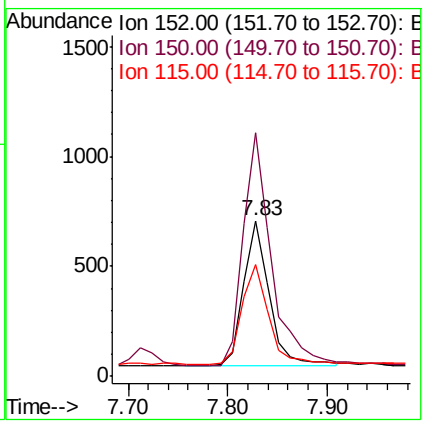


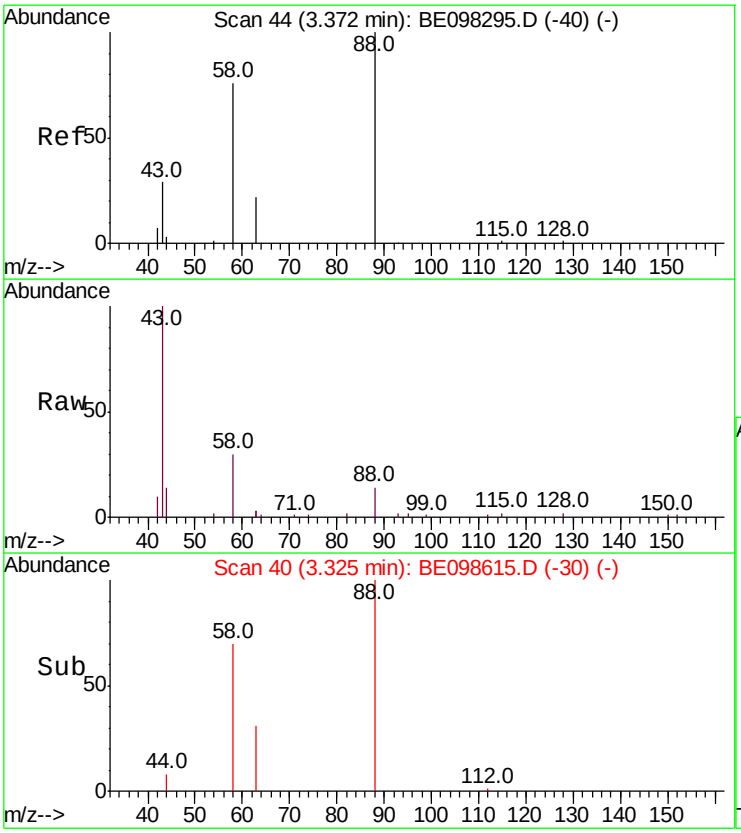
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:152 Resp: 1191

Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.4
115	71.5	53.9	80.9

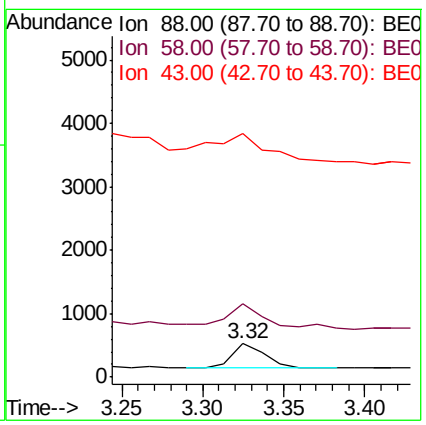


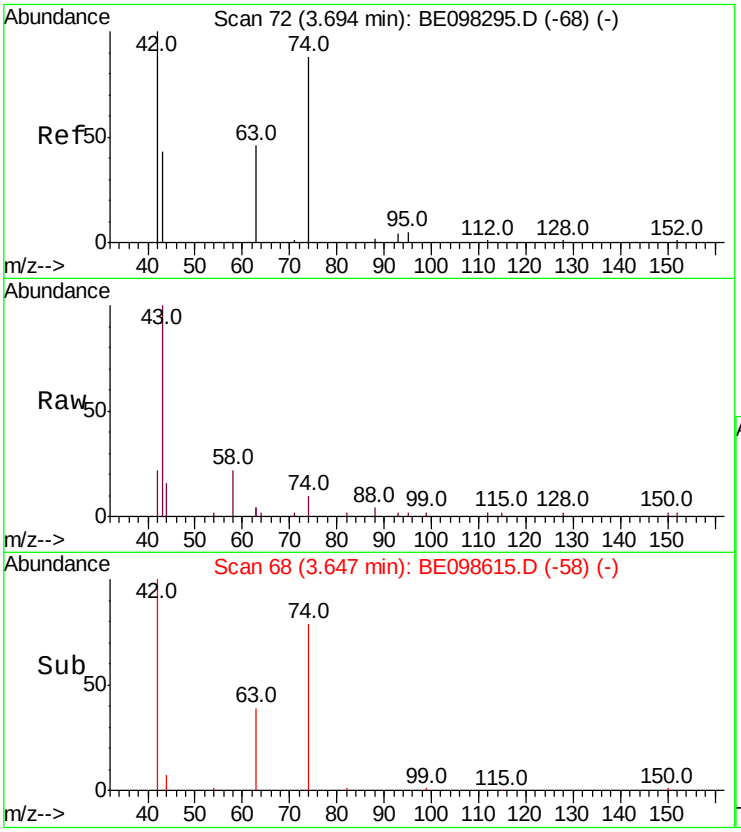


#2
1,4-Dioxane
Concen: 0.266 ng
RT: 3.32 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion: 88 Resp: 548

Ion	Ratio	Lower	Upper
88	100		
58	102.0	75.0	112.6
43	179.9	38.3	57.5#



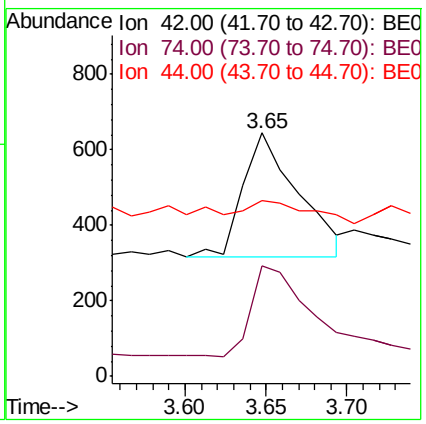


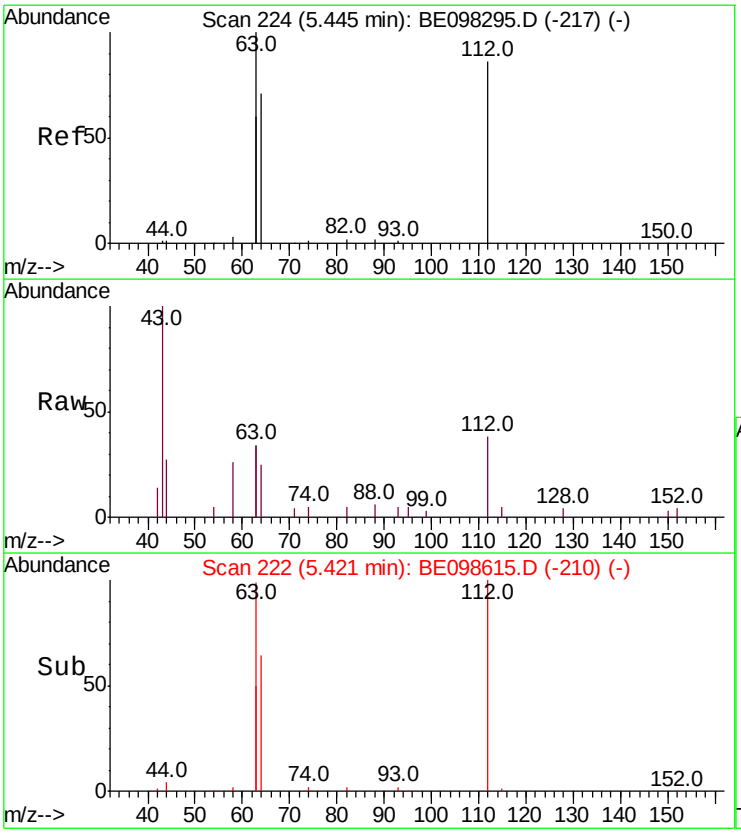
#3
n-Nitrosodimethylamine
Concen: 0.422 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion: 42 Resp: 783

Ion	Ratio	Lower	Upper
42	100		
74	75.9	0.0	0.0#
44	21.3	0.0	0.0#

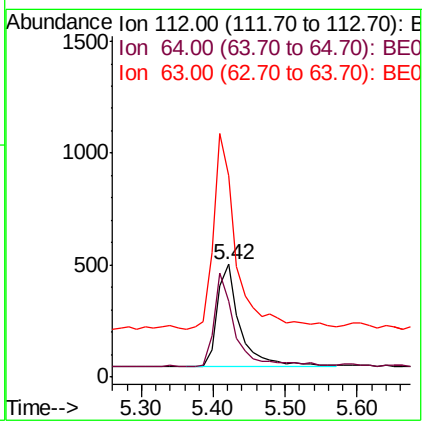


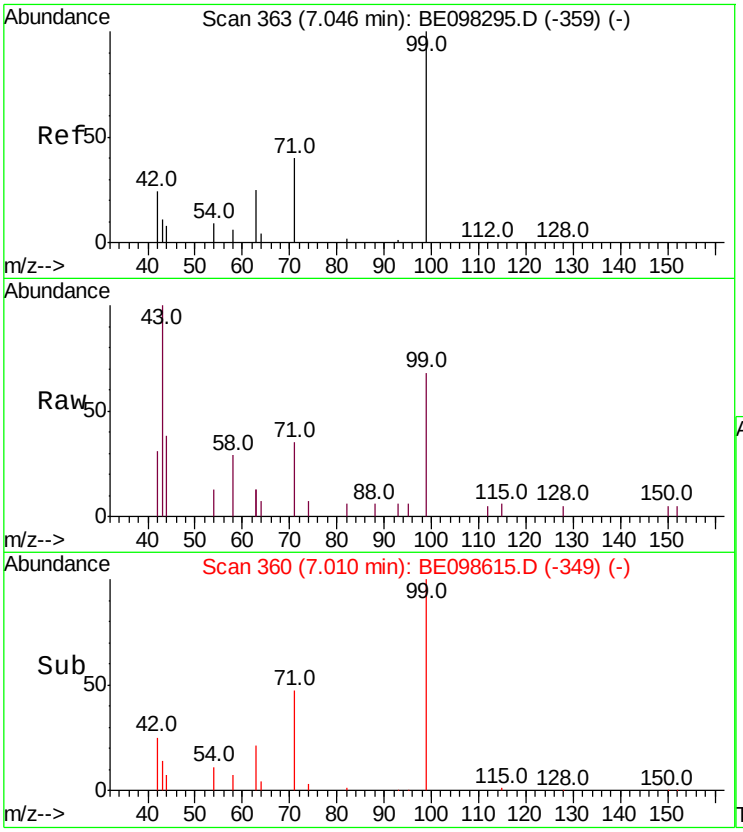


#4
2-Fluorophenol
Concen: 0.365 ng
RT: 5.42 min Scan# 222
Delta R.T. 0.04 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:112 Resp: 1018

Ion	Ratio	Lower	Upper
112	100		
64	83.0	59.8	89.8
63	187.9	133.7	200.5



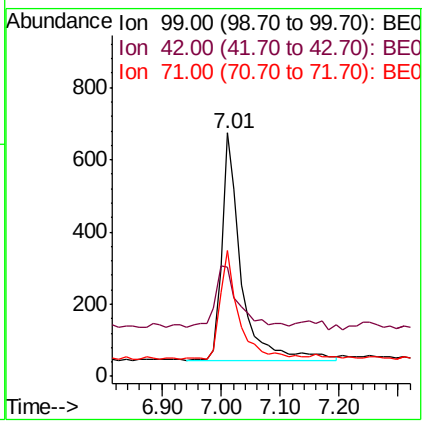


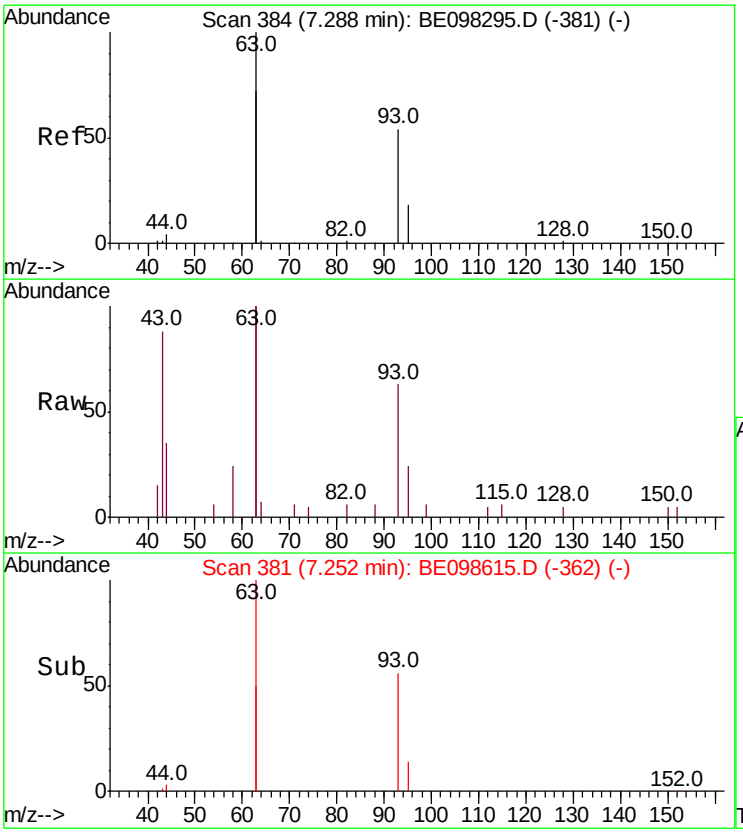
#5
Phenol-d6
Concen: 0.359 ng
RT: 7.01 min Scan# 360
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion: 99 Resp: 1419

Ion	Ratio	Lower	Upper
99	100		
42	32.8	26.3	39.5
71	47.9	33.6	50.4

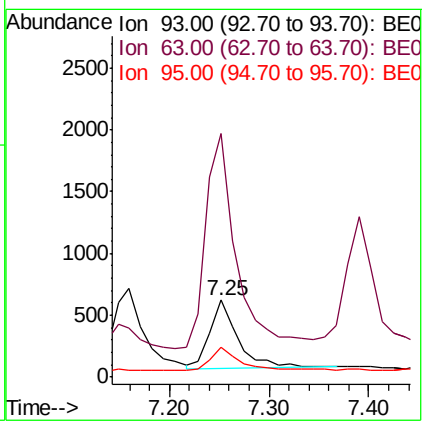


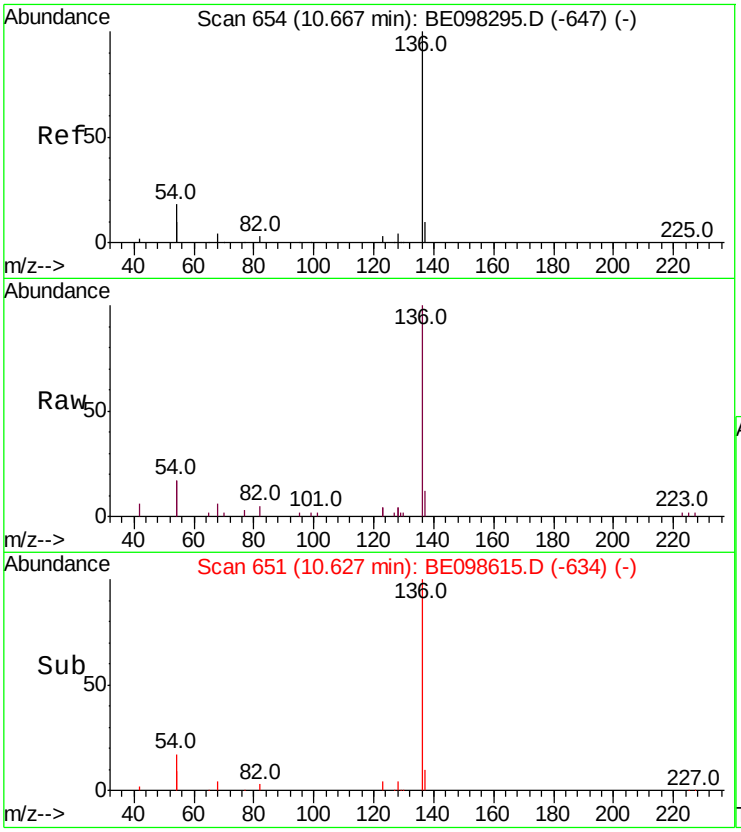


#6
bis(2-Chloroethyl)ether
Concen: 0.291 ng
RT: 7.25 min Scan# 381
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion: 93 Resp: 1091

Ion	Ratio	Lower	Upper
93	100		
63	341.7	264.4	396.6
95	36.6	26.6	40.0



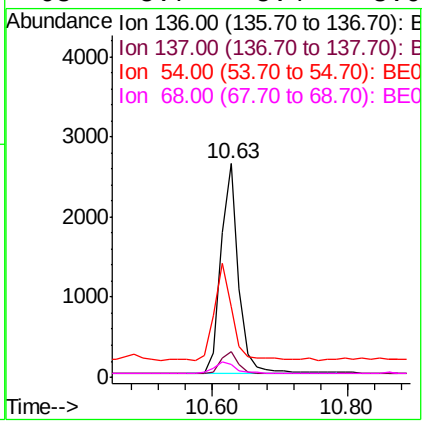


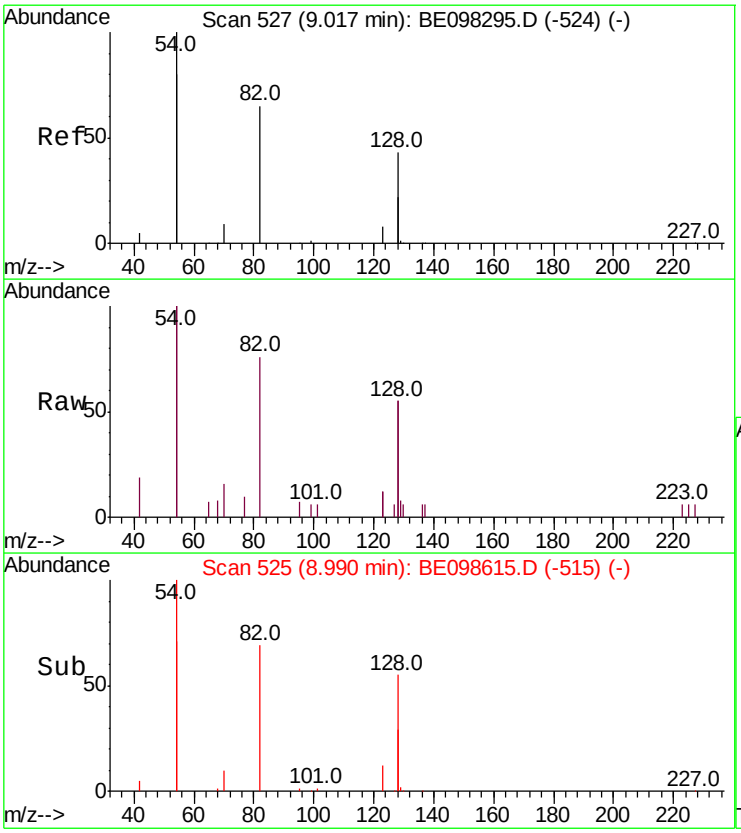
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:136 Resp: 4880

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	33.1	28.4	42.6
68	5.7	5.4	8.0

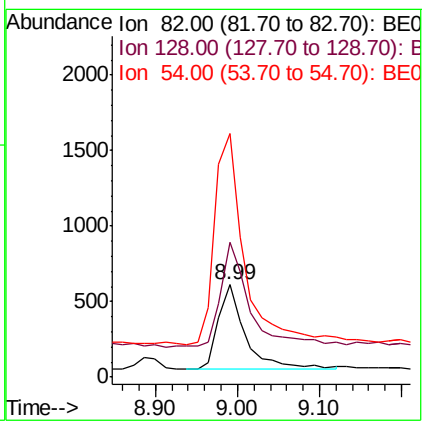


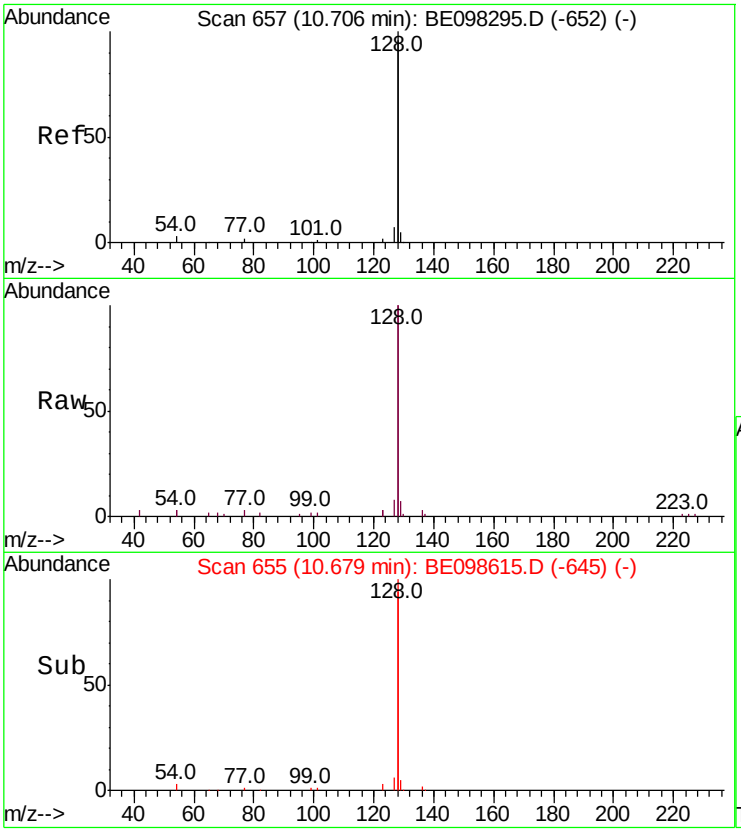


#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.03 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion: 82 Resp: 1305

Ion	Ratio	Lower	Upper
82	100		
128	146.6	102.4	153.6
54	264.3	221.8	332.8



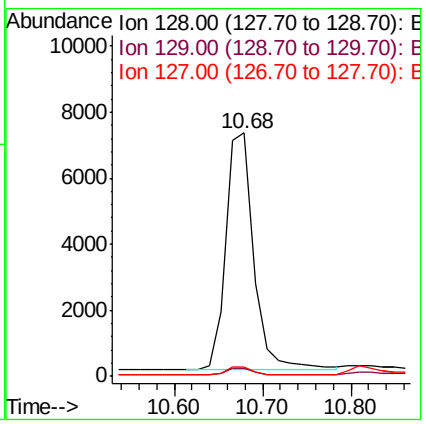


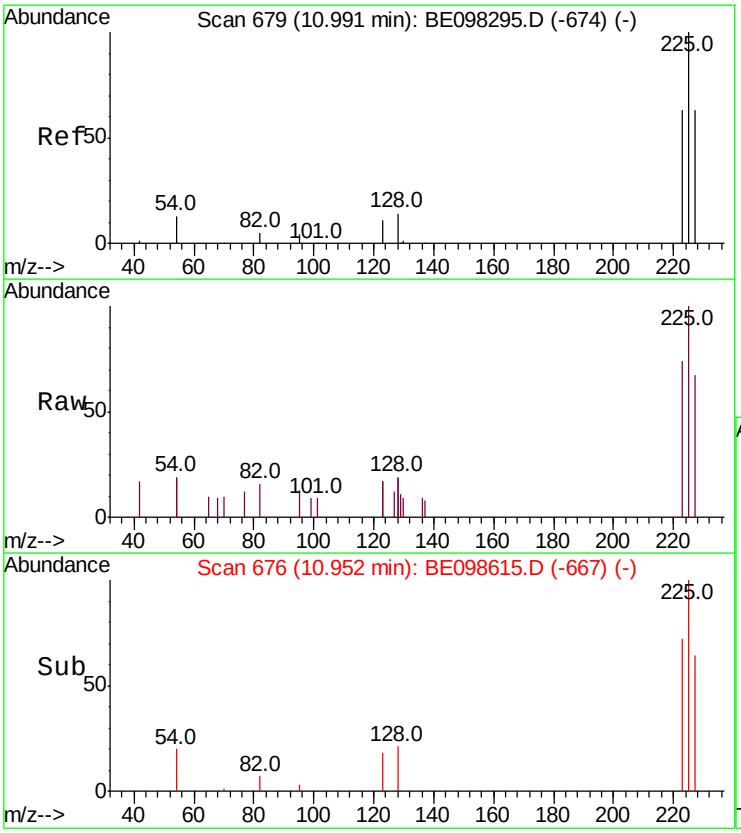
#9
Naphthalene
Concen: 0.318 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.03 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:128 Resp: 15605

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.5	3.7
127	3.8	2.7	4.1

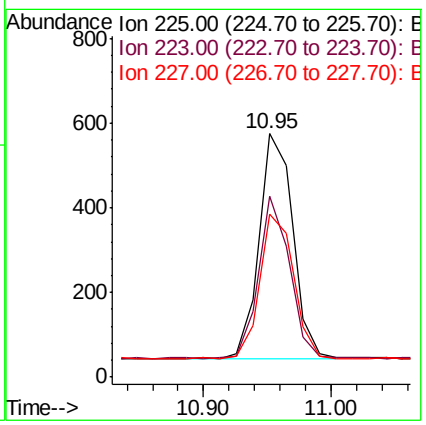


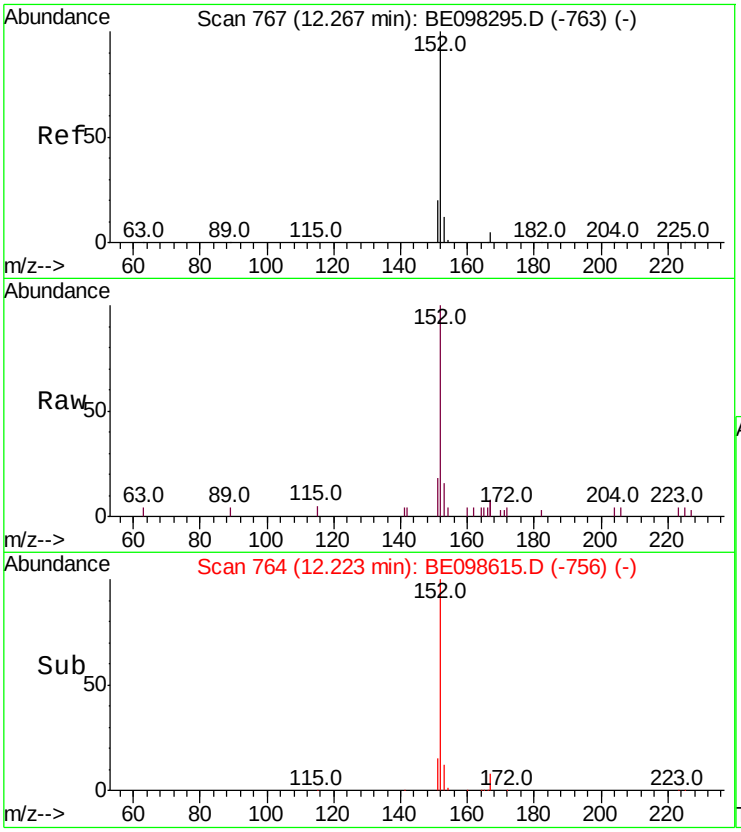


#10
Hexachlorobutadiene
Concen: 0.310 ng
RT: 10.95 min Scan# 676
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:225 Resp: 968

Ion	Ratio	Lower	Upper
225	100		
223	65.6	49.4	74.0
227	63.7	52.0	78.0



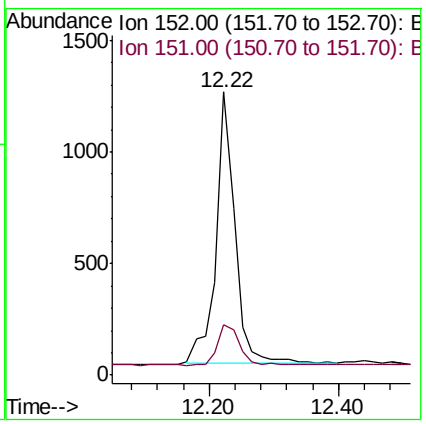


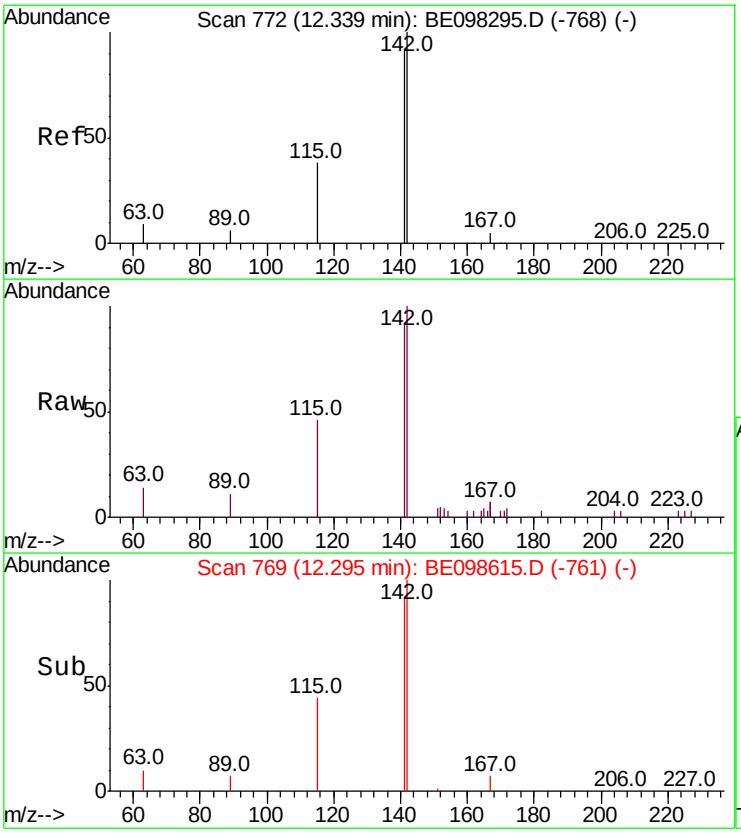
#11
2-Methylnaphthalene-d10
Concen: 0.307 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:152 Resp: 2438

Ion	Ratio	Lower	Upper
152	100		
151	17.4	16.2	24.4

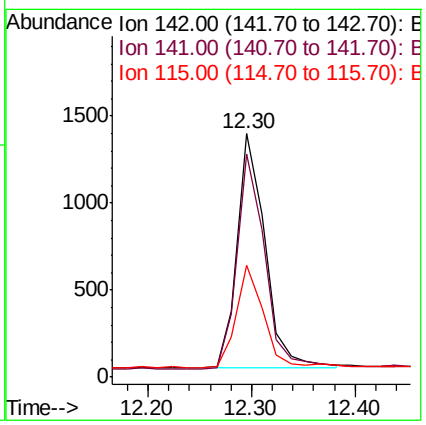


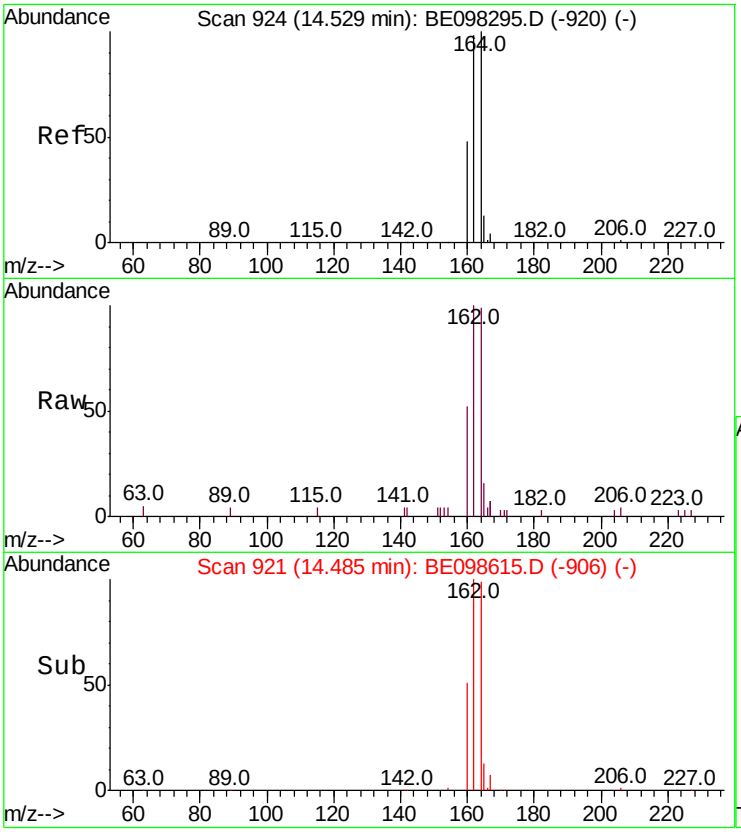


#12
2-Methylnaphthalene
Concen: 0.317 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:142 Resp: 2533

Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.0	106.6
115	46.0	32.2	48.2



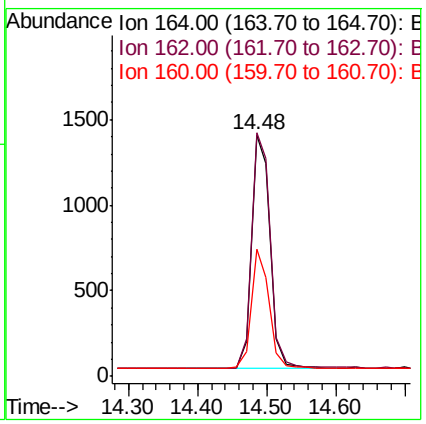


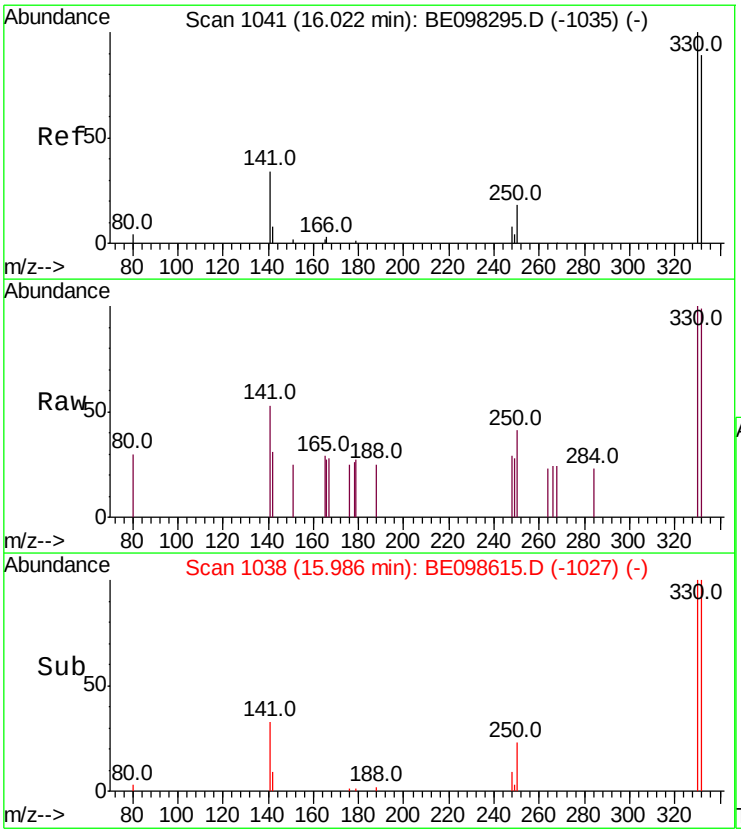
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:164 Resp: 2550

Ion	Ratio	Lower	Upper
164	100		
162	100.9	77.6	116.4
160	52.7	36.0	54.0

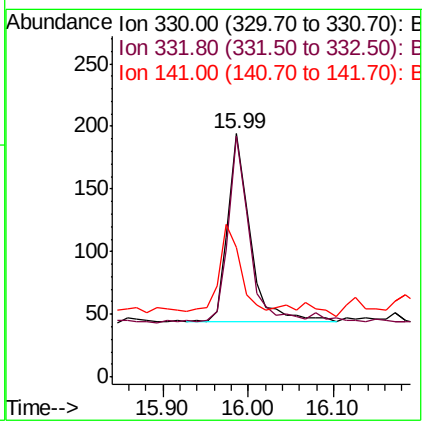


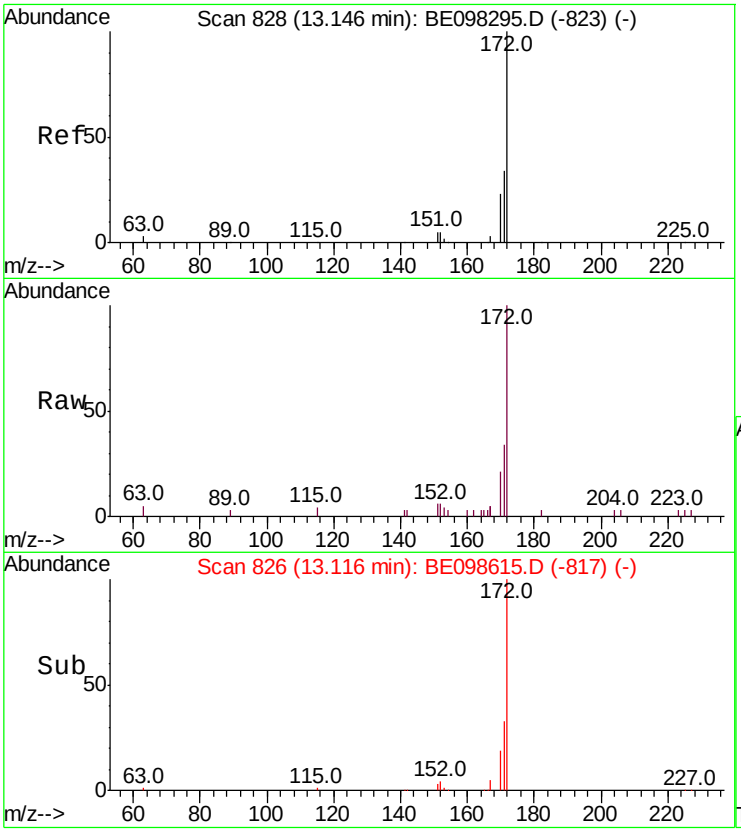


#14
2,4,6-Tribromophenol
Concen: 0.291 ng
RT: 15.99 min Scan# 1038
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:330 Resp: 272

Ion	Ratio	Lower	Upper
330	100		
332	91.2	76.2	114.4
141	43.0	39.0	58.4



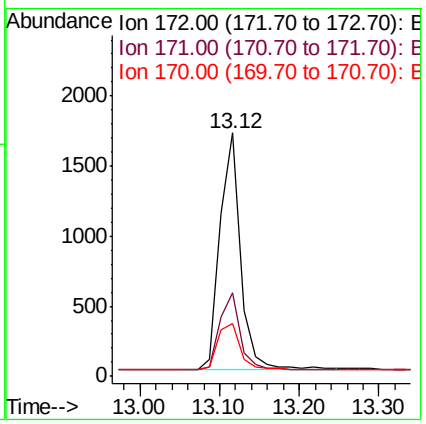


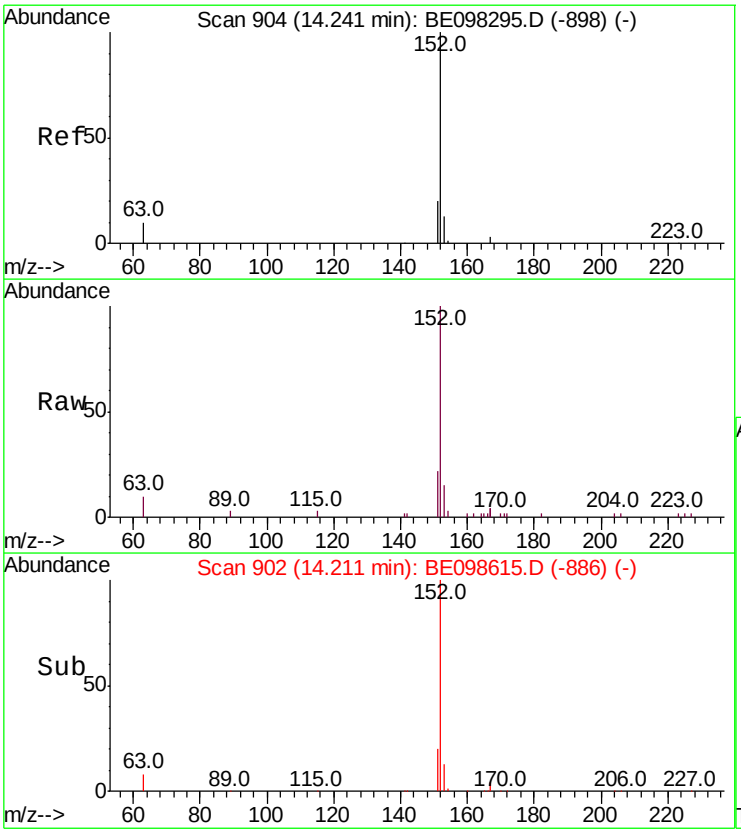
#15
2-Fluorobiphenyl
Concen: 0.286 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.03 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:172 Resp: 3077

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.5	41.3
170	21.5	19.6	29.4

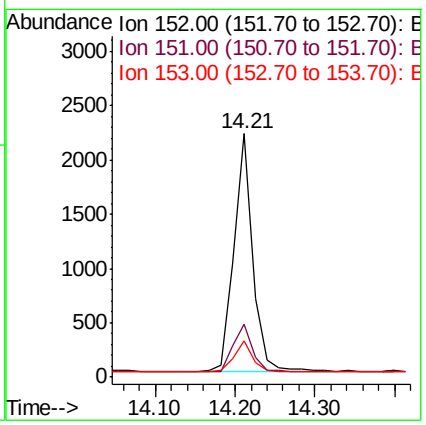


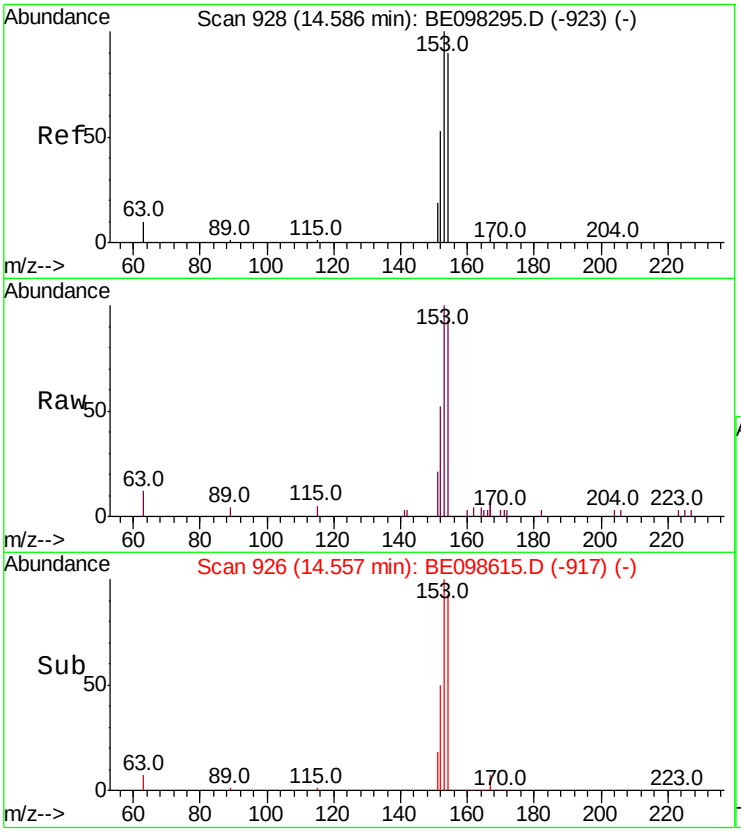


#16
Acenaphthylene
Concen: 0.301 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.03 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:152 Resp: 3595

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.5	23.3
153	13.4	10.6	16.0



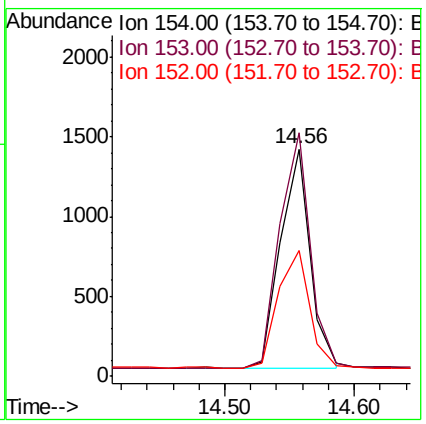


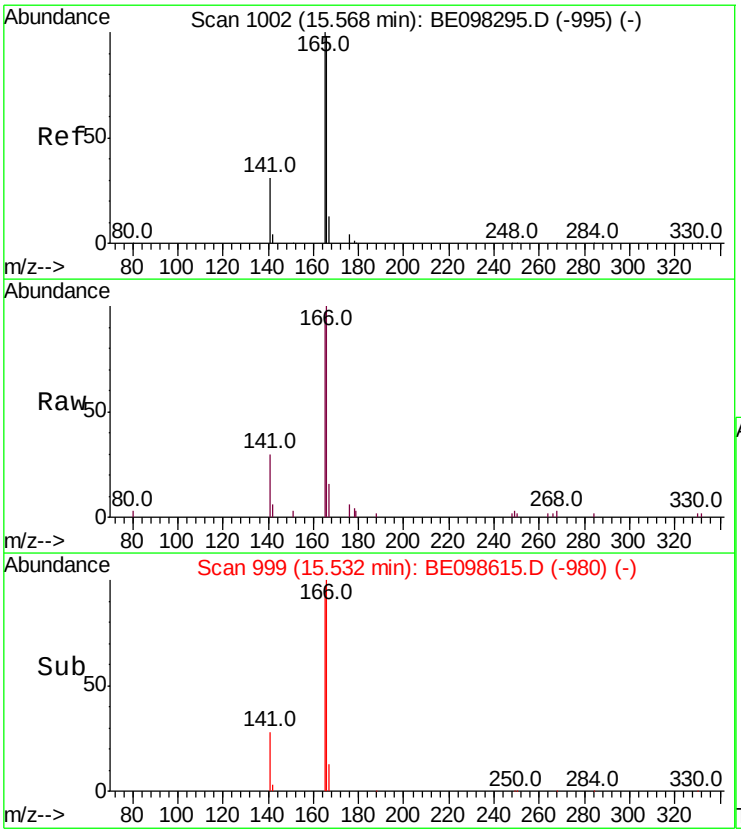
#17
Acenaphthene
Concen: 0.306 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.03 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:154 Resp: 2194

Ion	Ratio	Lower	Upper
154	100		
153	110.9	91.8	137.6
152	57.2	45.5	68.3

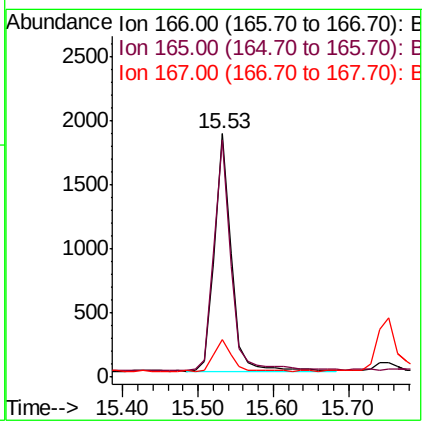


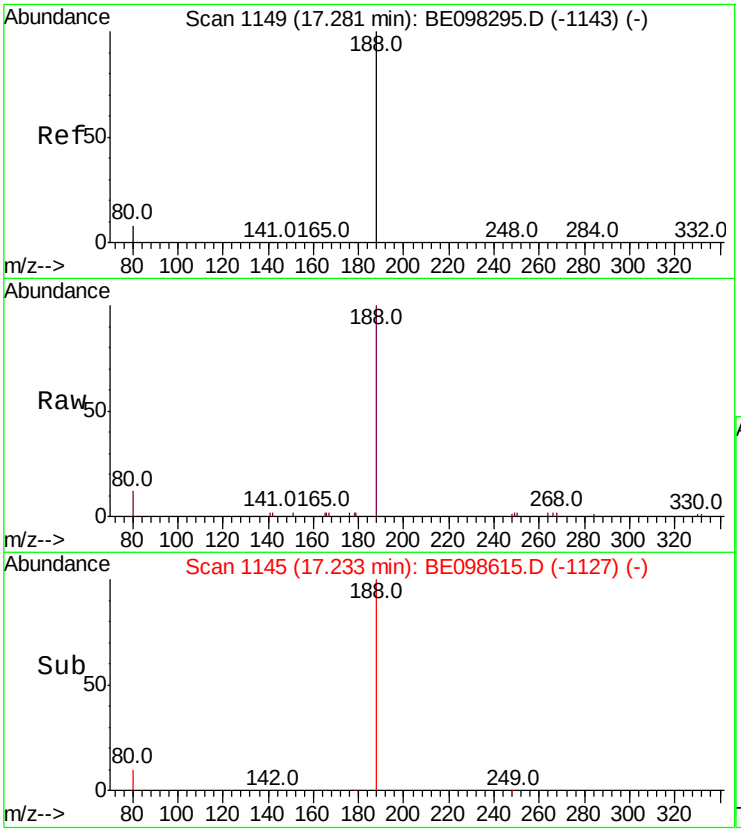


#18
Fluorene
Concen: 0.299 ng
RT: 15.53 min Scan# 999
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:166 Resp: 2871

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.3	118.9
167	14.1	11.3	16.9



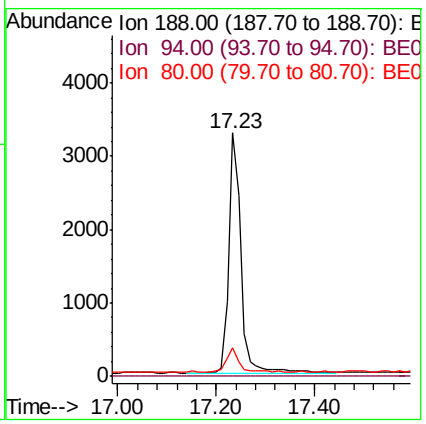


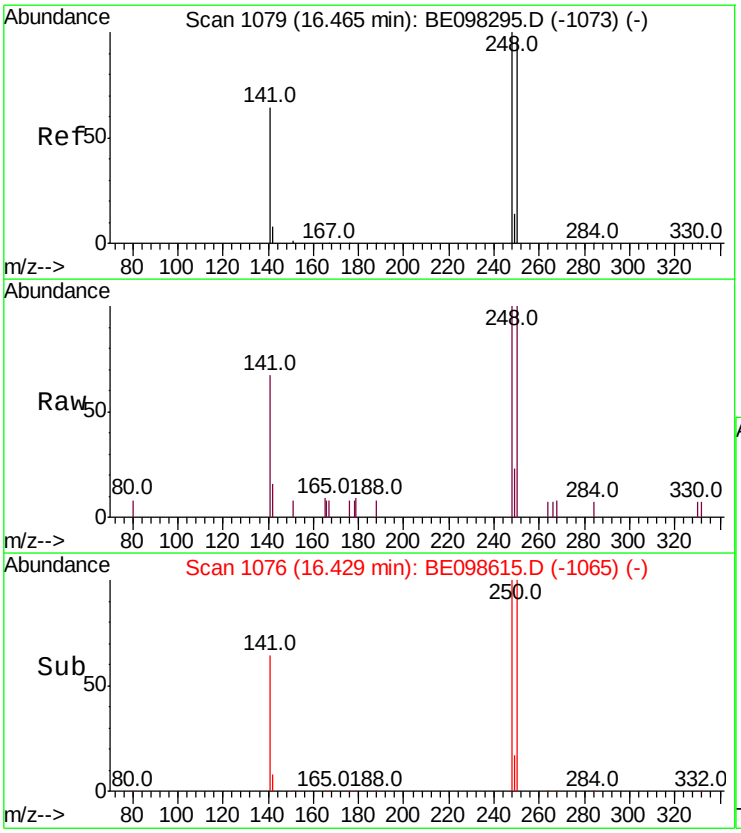
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:188 Resp: 5562

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	7.2	10.8#

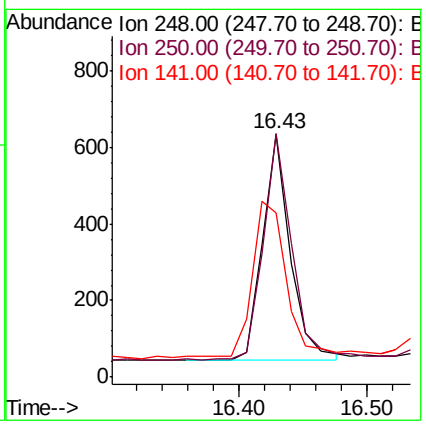


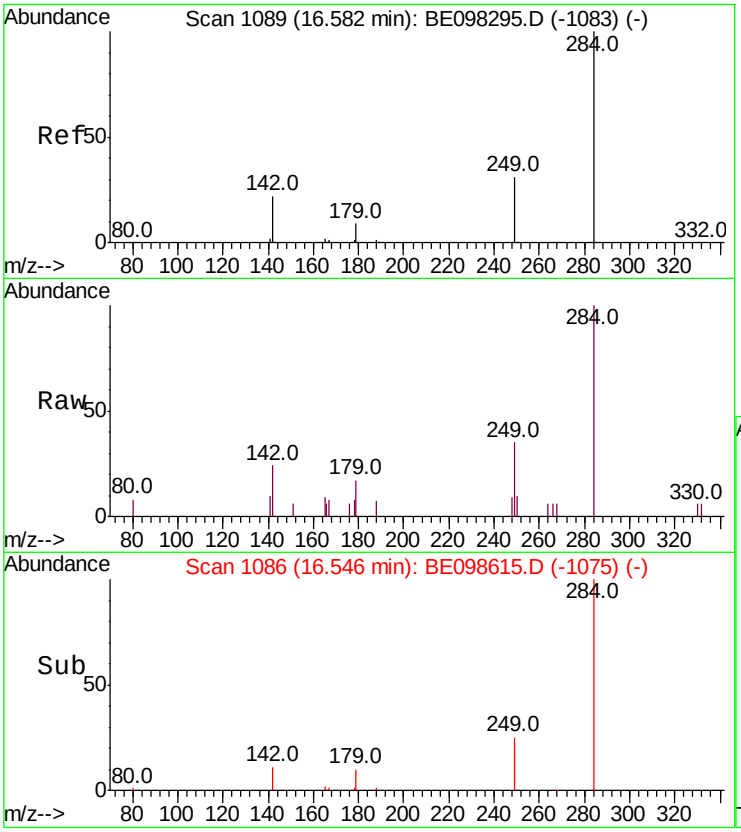


#20
4-Bromophenyl-phenylether
Concen: 0.299 ng
RT: 16.43 min Scan# 1076
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:248 Resp: 894

Ion	Ratio	Lower	Upper
248	100		
250	100.3	71.0	106.6
141	67.7	62.1	93.1



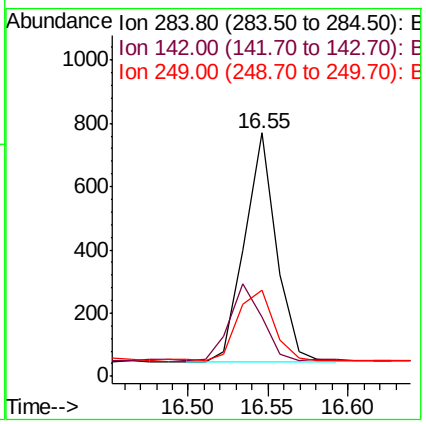


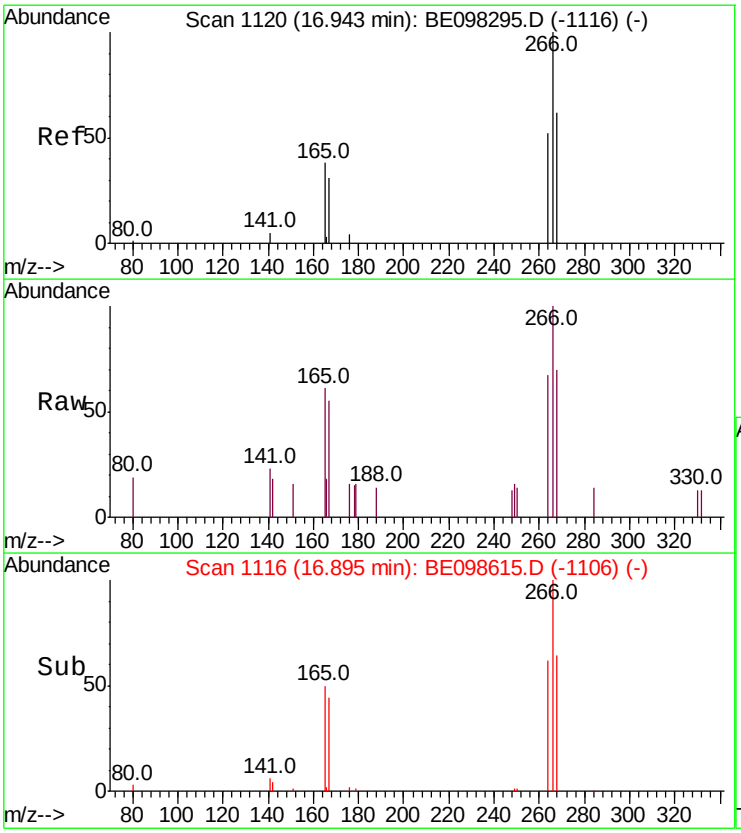
#21
Hexachlorobenzene
Concen: 0.309 ng
RT: 16.55 min Scan# 1086
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:284 Resp: 994

Ion	Ratio	Lower	Upper
284	100		
142	34.9	26.3	39.5
249	35.5	26.0	39.0

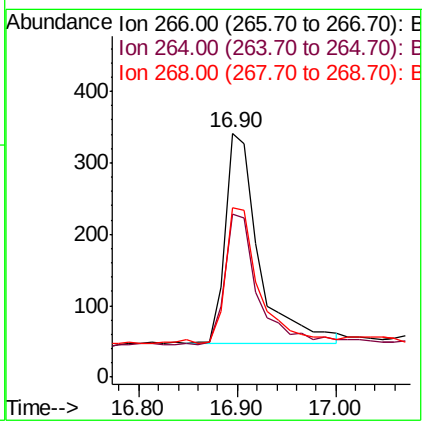


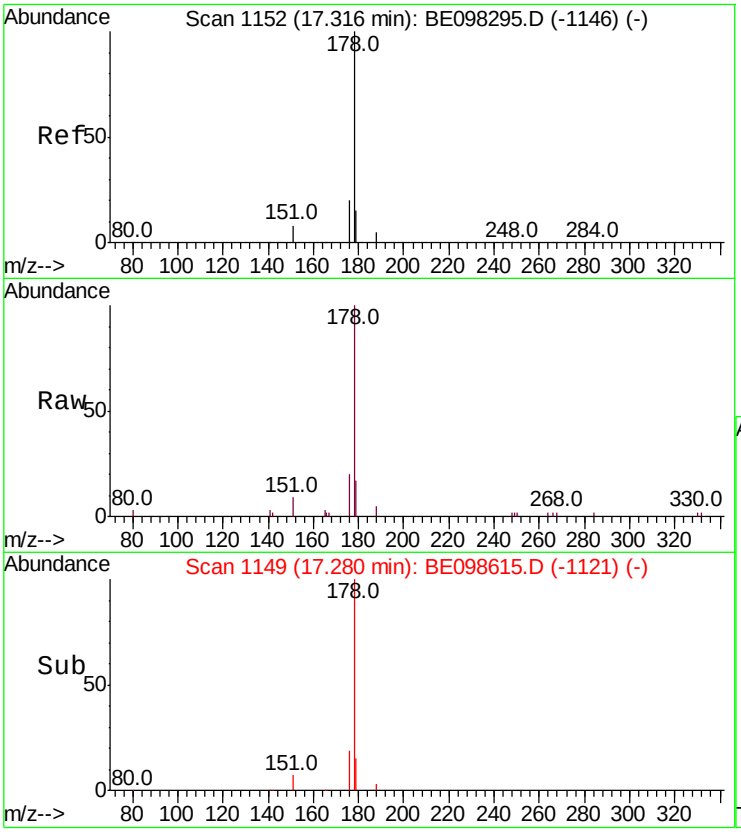


#22
Pentachlorophenol
Concen: 1.086 ng
RT: 16.90 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:266 Resp: 691

Ion	Ratio	Lower	Upper
266	100		
264	67.2	59.0	88.4
268	69.5	55.1	82.7



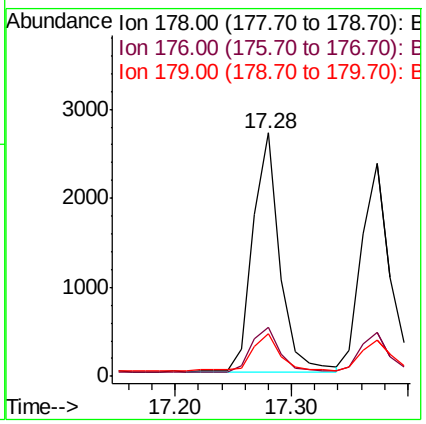


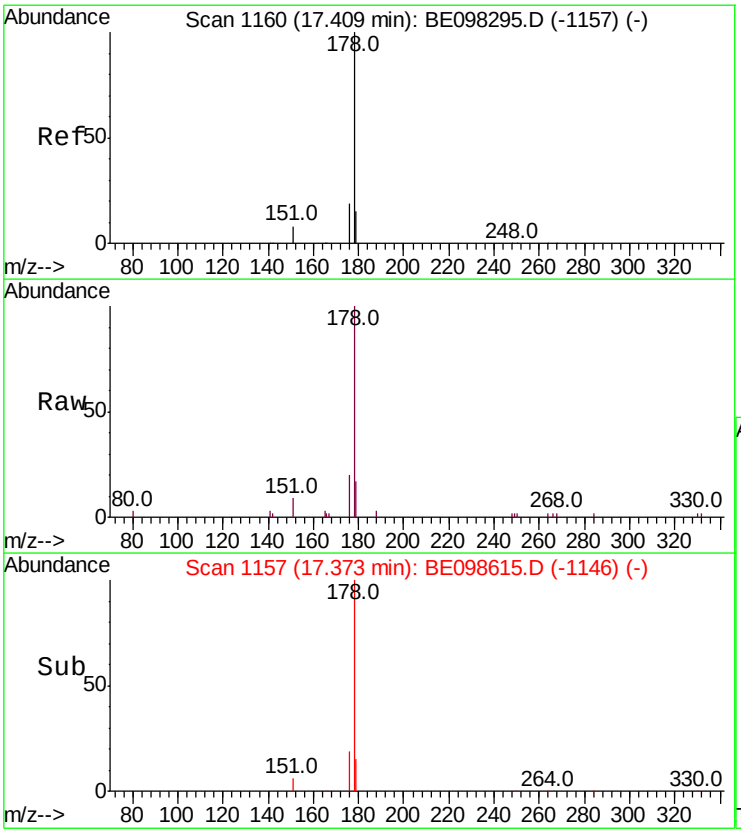
#23
Phenanthrene
Concen: 0.320 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:178 Resp: 4329

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	16.0	12.3	18.5

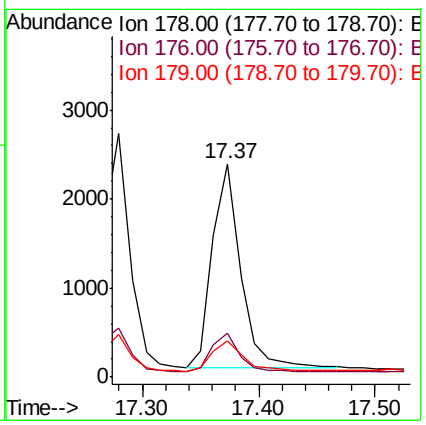


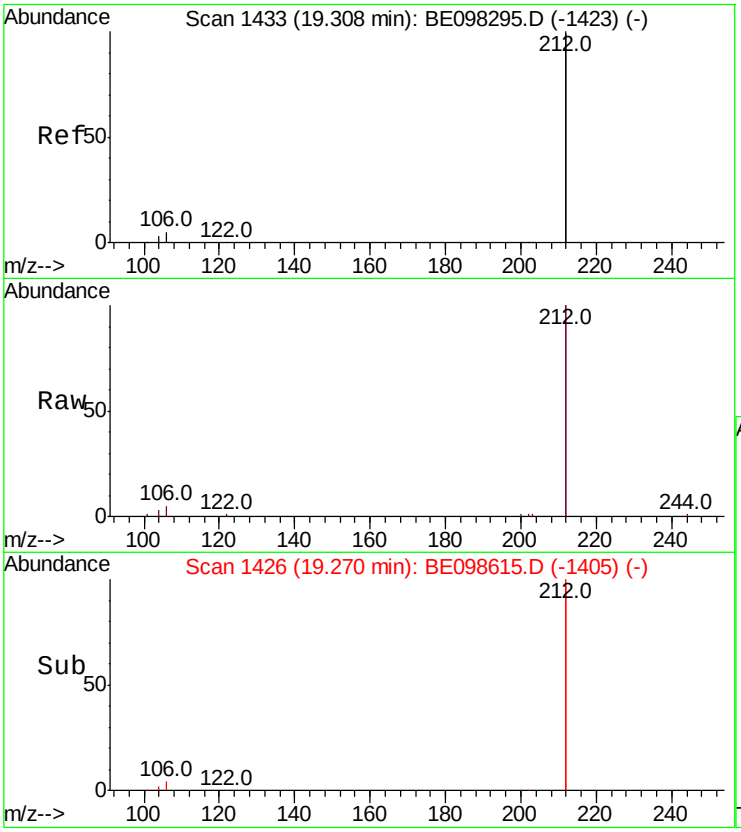


#24
Anthracene
Concen: 0.317 ng
RT: 17.37 min Scan# 1157
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:178 Resp: 3824

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.7	12.3	18.5



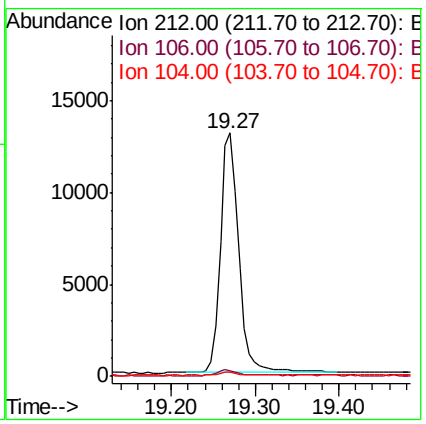


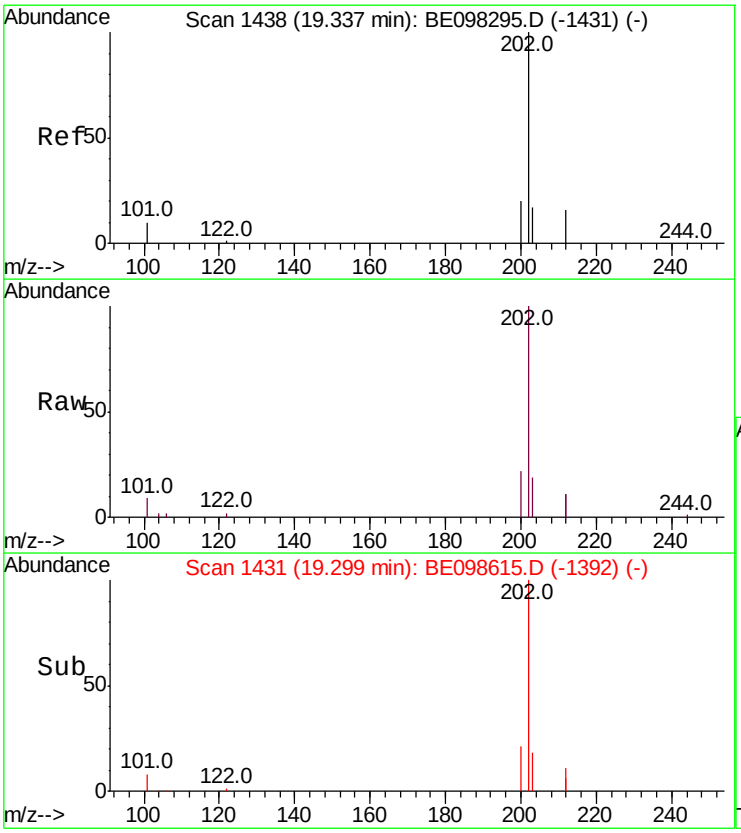
#25
Fluoranthene-d10
Concen: 0.279 ng
RT: 19.27 min Scan# 1426
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:212 Resp: 19933

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

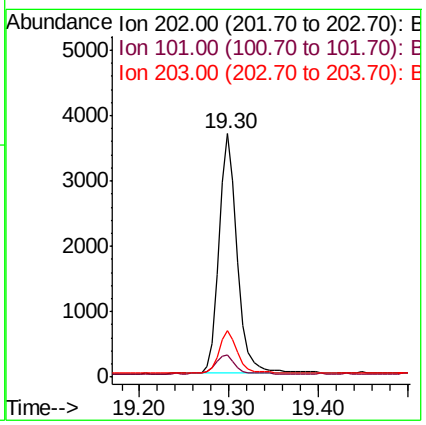


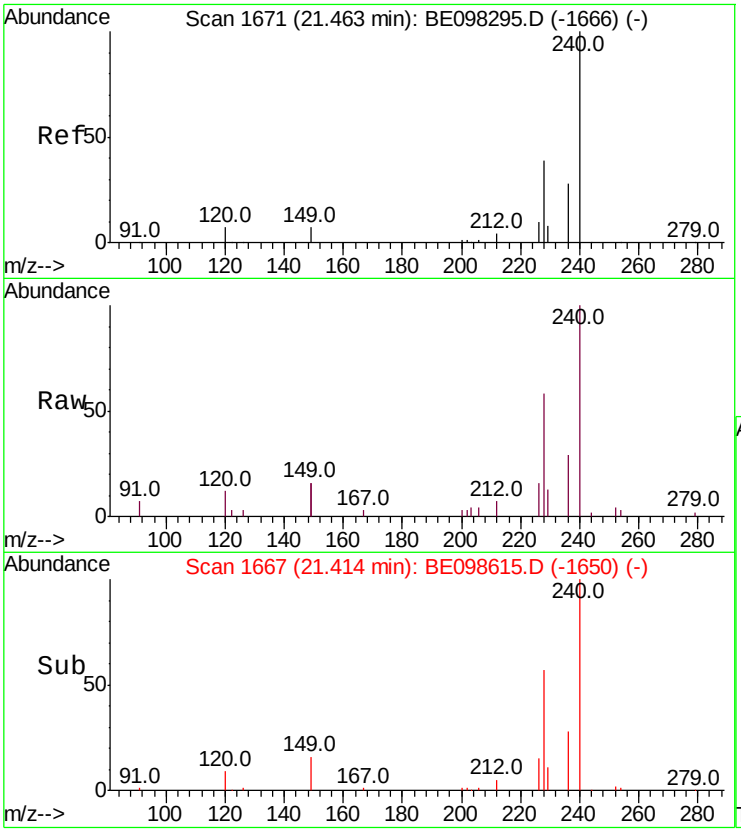


#26
Fluoranthene
Concen: 0.292 ng
RT: 19.30 min Scan# 1431
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:202 Resp: 5215

Ion	Ratio	Lower	Upper
202	100		
101	8.6	8.0	12.0
203	17.8	13.8	20.6



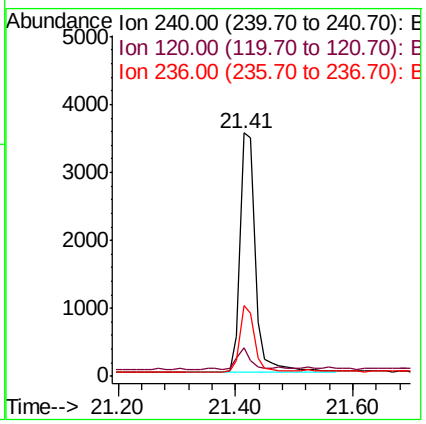


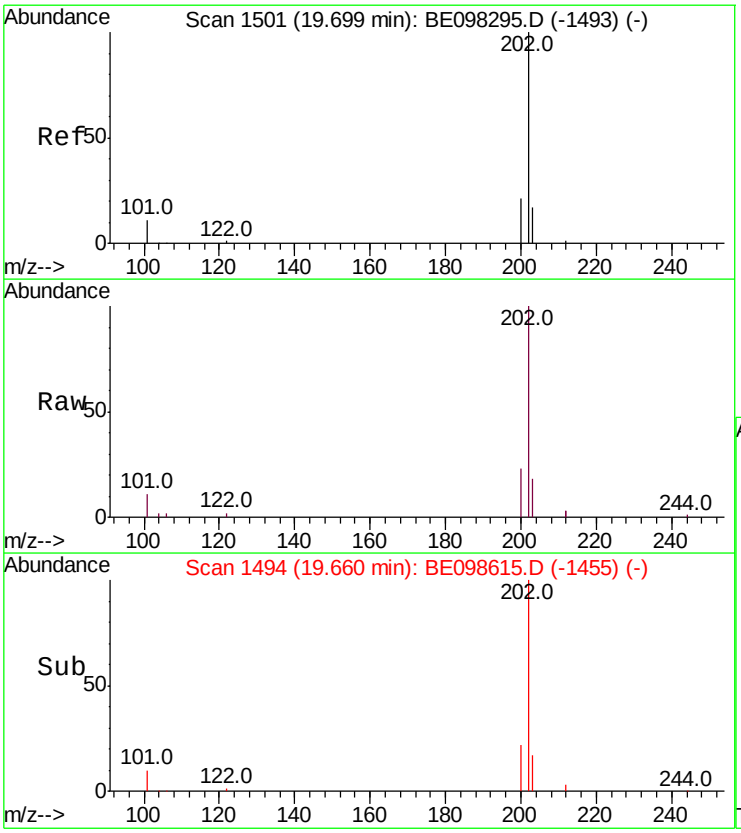
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:240 Resp: 6535

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.5	14.3
236	29.1	22.7	34.1

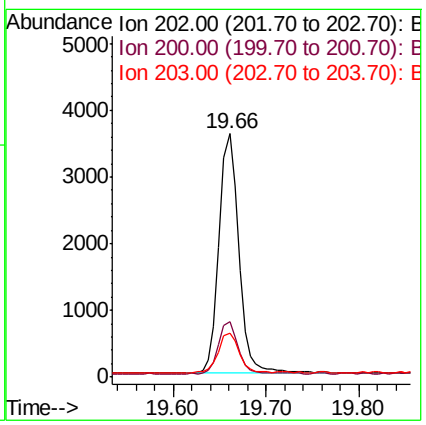


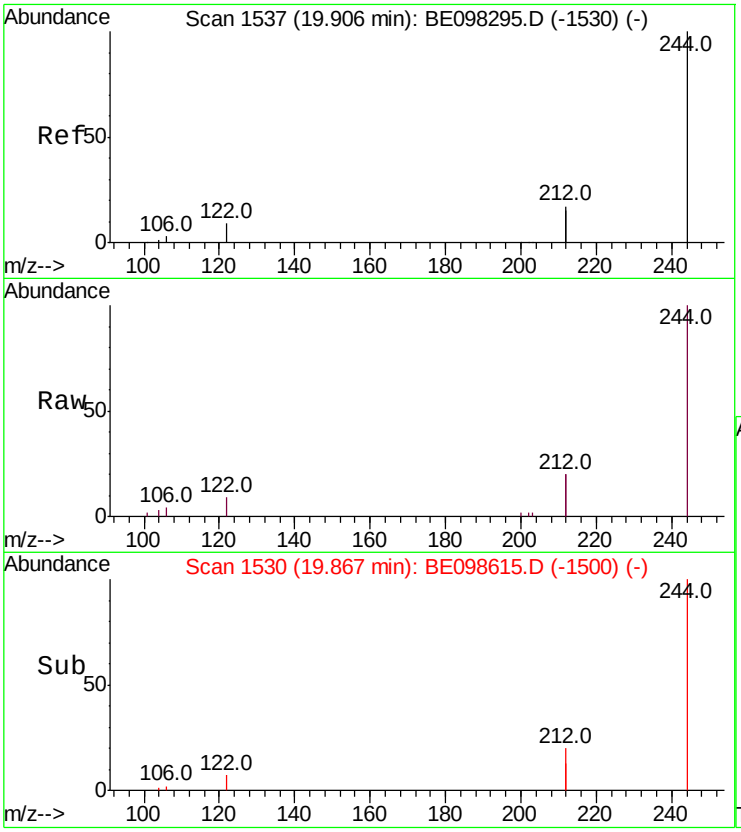


#28
Pyrene
Concen: 0.262 ng
RT: 19.66 min Scan# 1494
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:202 Resp: 5377

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.7	25.1
203	17.4	14.1	21.1



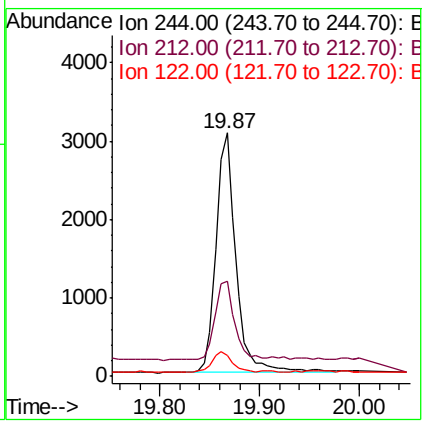


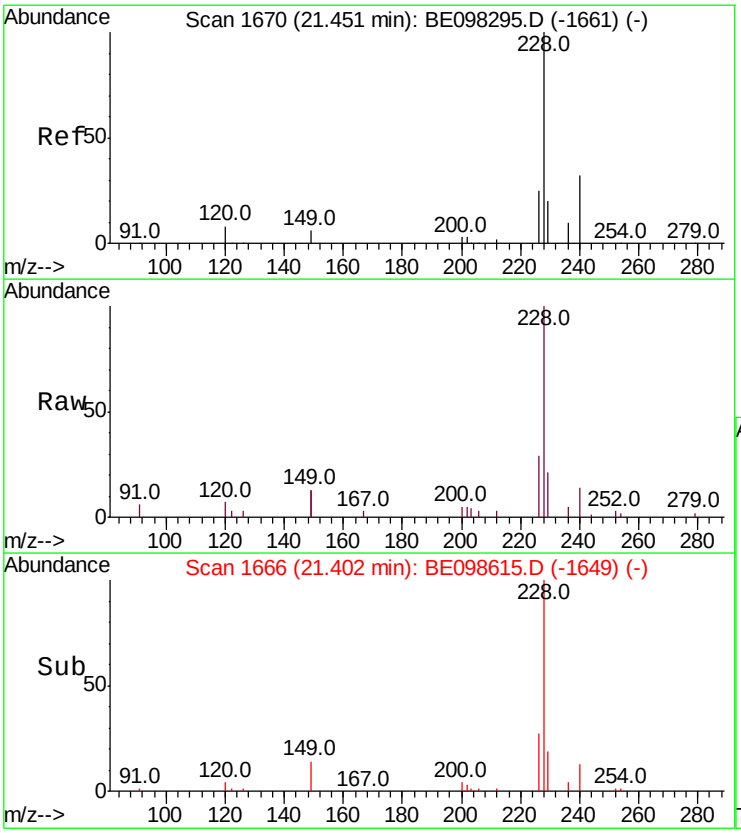
#29
Terphenyl-d14
Concen: 0.267 ng
RT: 19.87 min Scan# 1530
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:244 Resp: 4244

Ion	Ratio	Lower	Upper
244	100		
212	39.3	27.4	41.0
122	8.6	8.3	12.5

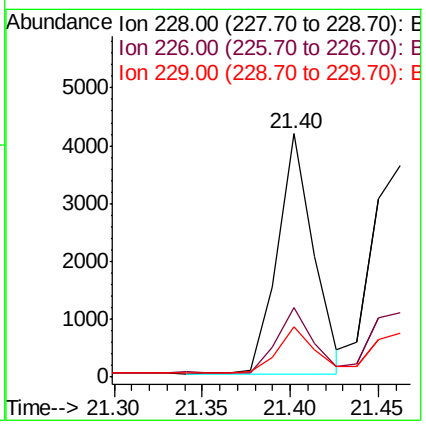


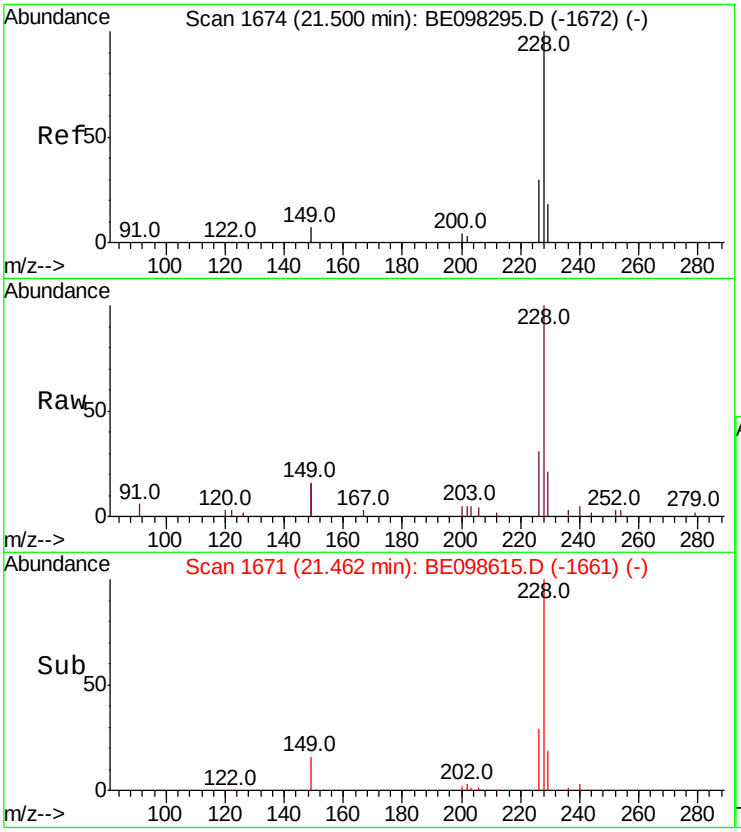


#30
Benzo(a)anthracene
Concen: 0.318 ng
RT: 21.40 min Scan# 1666
Delta R.T. 0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:228 Resp: 5912

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.8
229	20.7	16.3	24.5



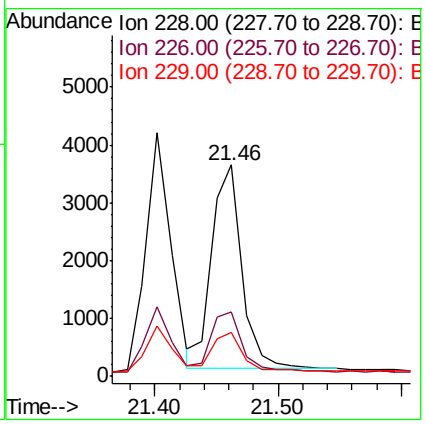


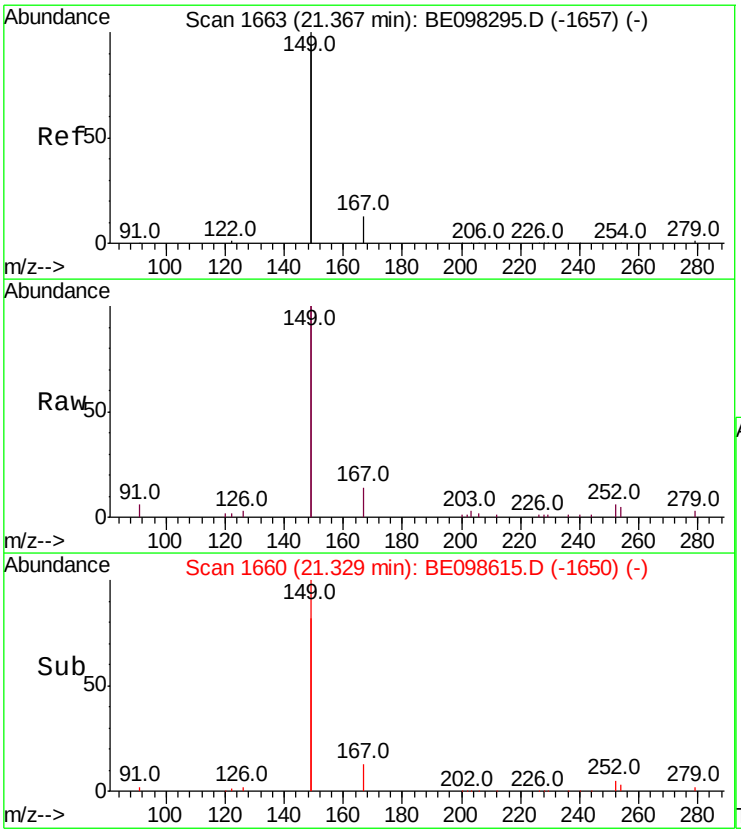
#31
Chrysene
Concen: 0.307 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:228 Resp: 5993

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.0
229	20.6	16.2	24.4

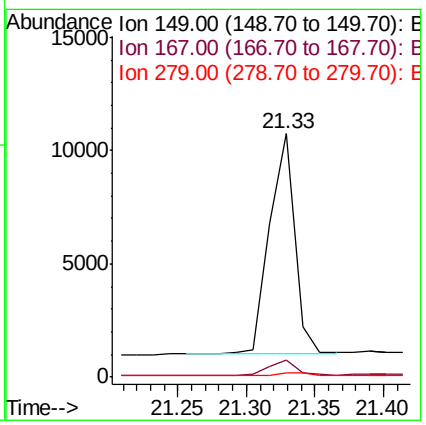


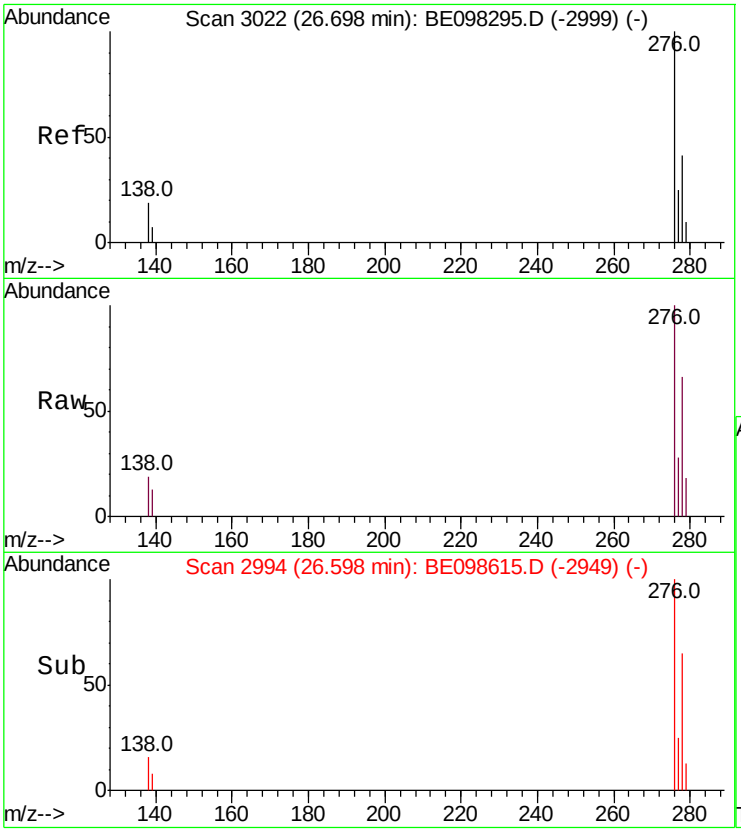


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.330 ng
RT: 21.33 min Scan# 1660
Delta R.T. 0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:149 Resp: 12461

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.7	8.5
279	1.3	1.0	1.4



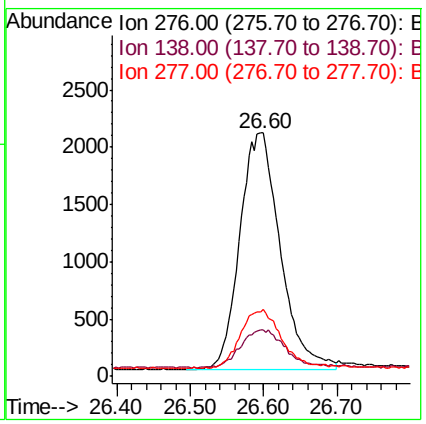


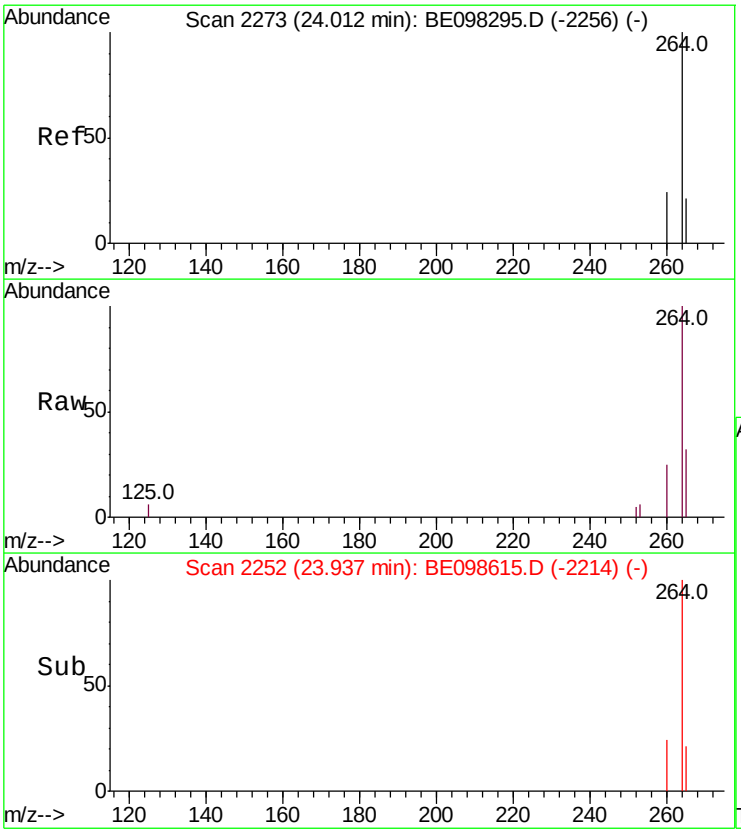
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.60 min Scan# 2994
Delta R.T. -0.04 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:276 Resp: 7853

Ion	Ratio	Lower	Upper
276	100		
138	18.1	16.3	24.5
277	25.0	20.2	30.4

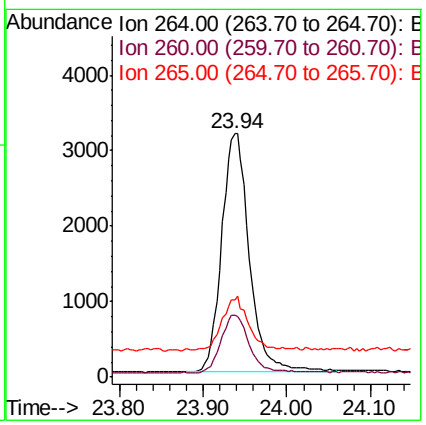


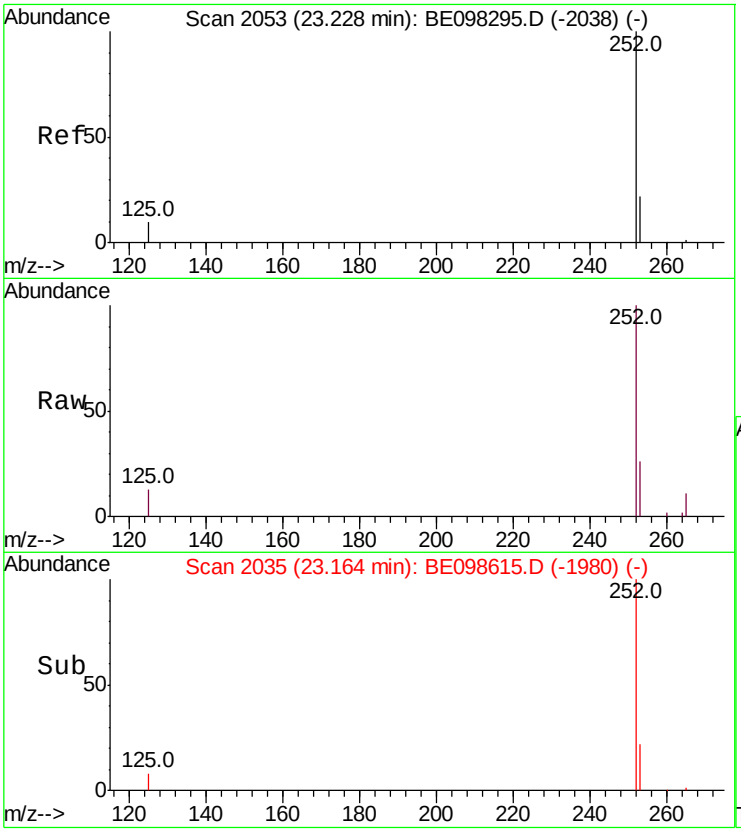


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:264 Resp: 7246

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.2	30.2
265	31.6	25.2	37.8



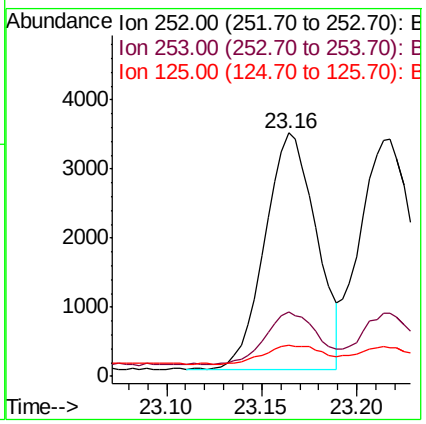


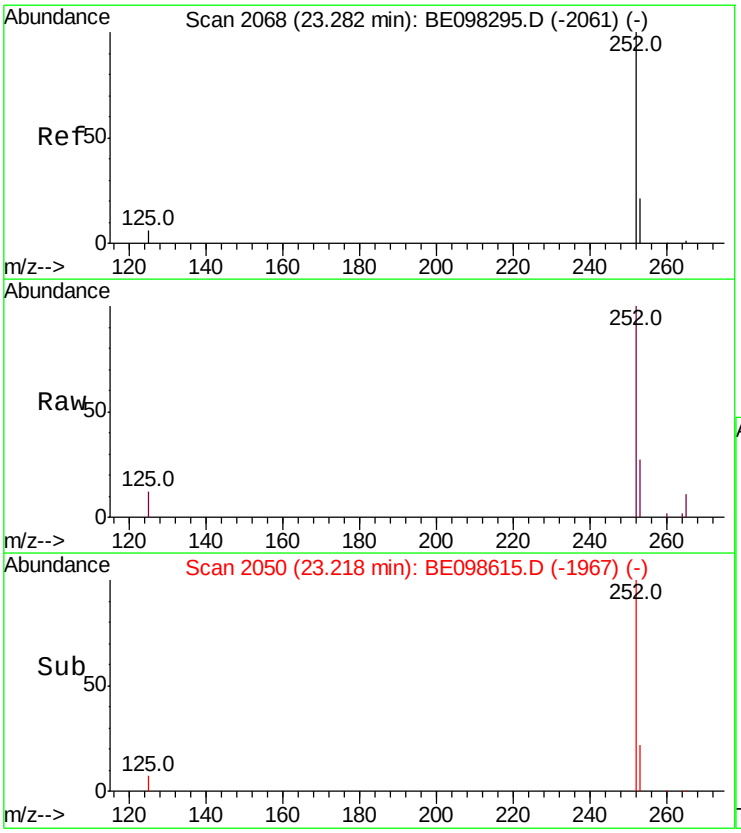
#35
Benzo(b)fluoranthene
Concen: 0.323 ng
RT: 23.16 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:252 Resp: 6409

Ion	Ratio	Lower	Upper
252	100		
253	26.5	20.0	30.0
125	12.9	9.6	14.4

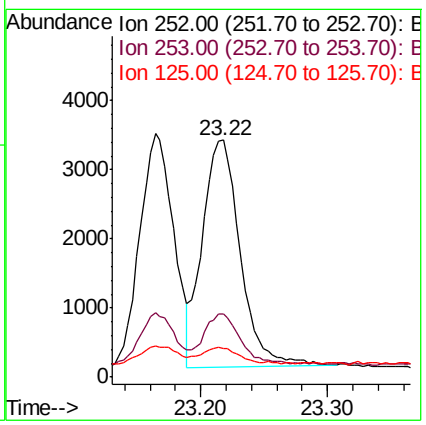


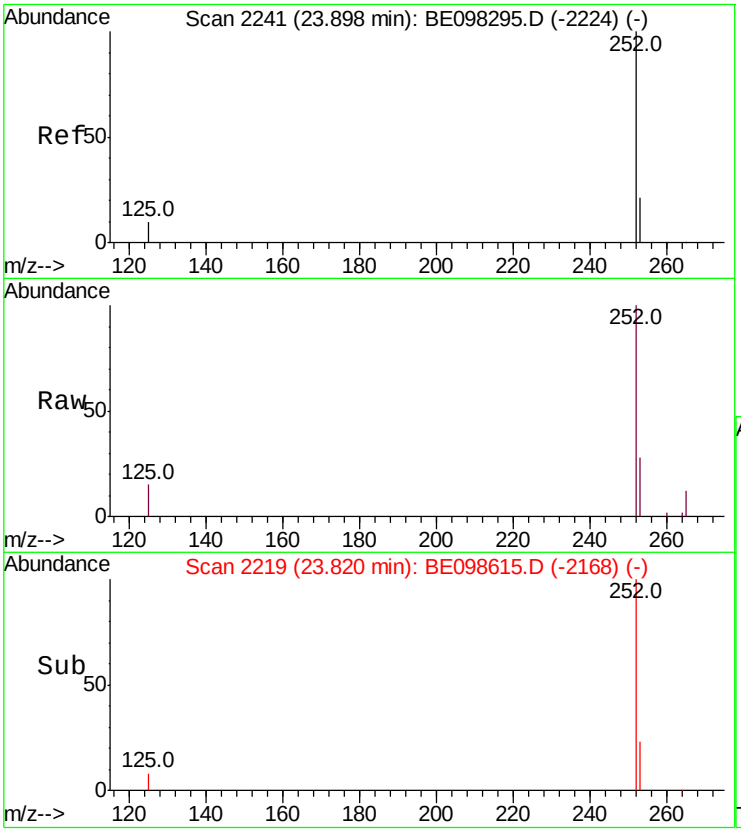


#36
Benzo(k)fluoranthene
Concen: 0.294 ng
RT: 23.22 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:252 Resp: 6798

Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.0	28.6
125	12.1	9.1	13.7



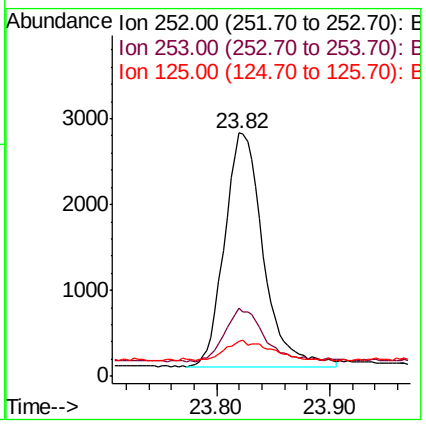


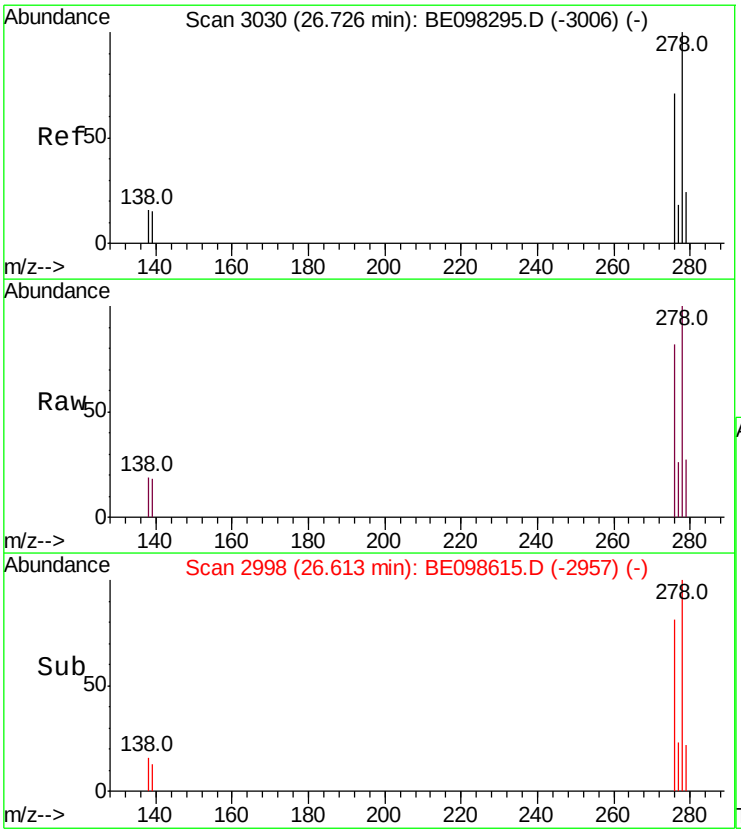
#37
Benzo(a)pyrene
Concen: 0.315 ng
RT: 23.82 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:252 Resp: 6435

Ion	Ratio	Lower	Upper
252	100		
253	27.9	20.6	30.8
125	14.5	10.5	15.7

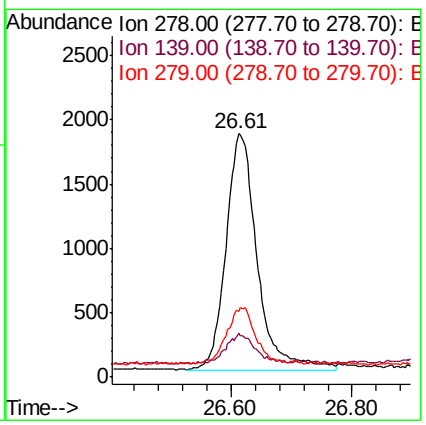


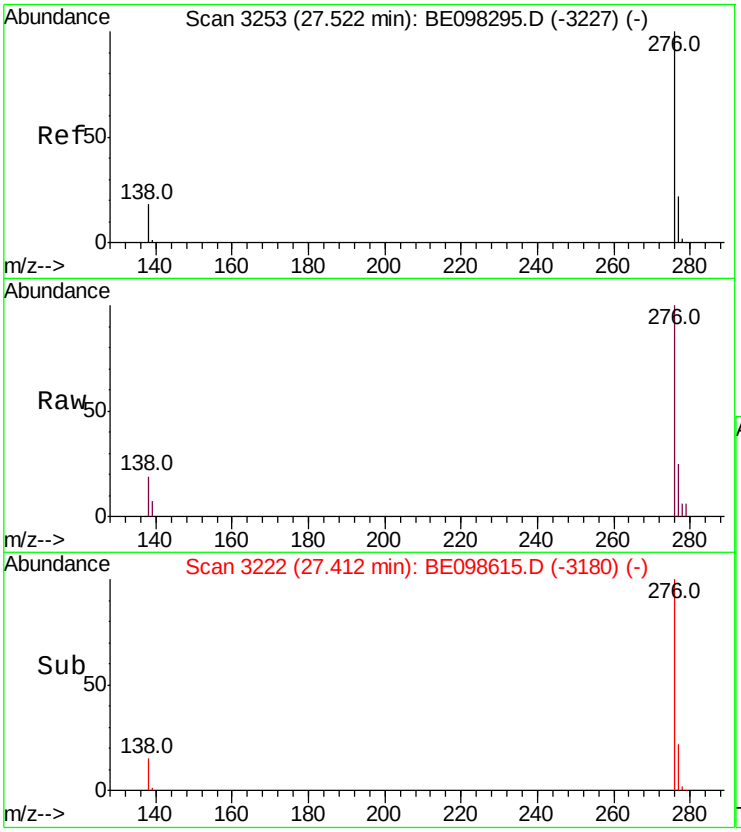


#38
Dibenzo(a,h)anthracene
Concen: 0.340 ng
RT: 26.61 min Scan# 2998
Delta R.T. -0.05 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Tgt Ion:278 Resp: 6554

Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.5	21.7
279	26.9	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.356 ng
RT: 27.41 min Scan# 3222
Delta R.T. -0.05 min
Lab File: BE098615.D
Acq: 4 Jan 2019 14:58

Instrument :
BNA_E
ClientSampleId :
PB116164BS

Tgt Ion:276 Resp: 6904

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.8	31.2
138	18.5	15.8	23.6