Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE011619\

Quantitation Report (Not Reviewed)

Data File : BE098638.D
Acq On : 16 Jan 2019 19:01
Operator : SJ/JU
Sample : PB116433BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB116433BS

Quant Time: Jan 17 00:16:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1060	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	4134	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	2290	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	5116	0.40	ng		0.00
27) Chrysene-d12	21.42	240	6410	0.40	ng		0.00
34) Perylene-d12	23.92	264	6968	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	688	0.24	ng		0.01
5) Phenol-d6	7.00	99	956	0.24	ng		0.00
8) Nitrobenzene-d5	8.98	82	984	0.30	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	1872	0.28	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	251	0.25	ng		0.01
15) 2-Fluorobiphenyl	13.10	172	2348	0.25	ng		0.01
25) Fluoranthene-d10	19.26	212	16355	0.26	ng		0.00
29) Terphenyl-d14	19.86	244	3521	0.25	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	384	0.163	ng	#	13
3) n-Nitrosodimethylamine	3.65	42	507	0.353	ng	#	90
6) bis(2-Chloroethyl)ether	7.24	93	766	0.252	ng		77
9) Naphthalene	10.65	128	11182	0.272	ng		99
10) Hexachlorobutadiene	10.94	225	780	0.265	ng		99
12) 2-Methylnaphthalene	12.28	142	1743	0.255	ng		90
16) Acenaphthylene	14.20	152	2600	0.262	ng		100
17) Acenaphthene	14.54	154	1623	0.261	ng		99
18) Fluorene	15.53	166	2132	0.263	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	605	0.223	ng	#	84
21) Hexachlorobenzene	16.53	284	779	0.238	ng		96
22) Pentachlorophenol	16.89	266	385	0.488	ng		93
23) Phenanthrene	17.27	178	3084	0.254	ng		100
24) Anthracene	17.36	178	2509	0.242	ng		97
26) Fluoranthene	19.29	202	4031	0.258	ng		98
28) Pyrene	19.65	202	4104	0.233	ng		99
30) Benzo(a)anthracene	21.39	228	4590	0.266	ng		96
31) Chrysene	21.45	228	4719	0.264	ng		98
32) Bis(2-ethylhexyl)phthalate	21.32	149	7011	0.192	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.58	276	5846	0.317	ng	#	73
35) Benzo(b)fluoranthene	23.15	252	5008	0.263	ng		95
36) Benzo(k)fluoranthene	23.21	252	5518	0.266	ng		96
37) Benzo(a)pyrene	23.81	252	5080	0.272	ng		98
38) Dibenzo(a,h)anthracene	26.60	278	4678	0.283	ng		96
39) Benzo(g,h,i)perylene	27.38	276	5212	0.288	ng		99

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

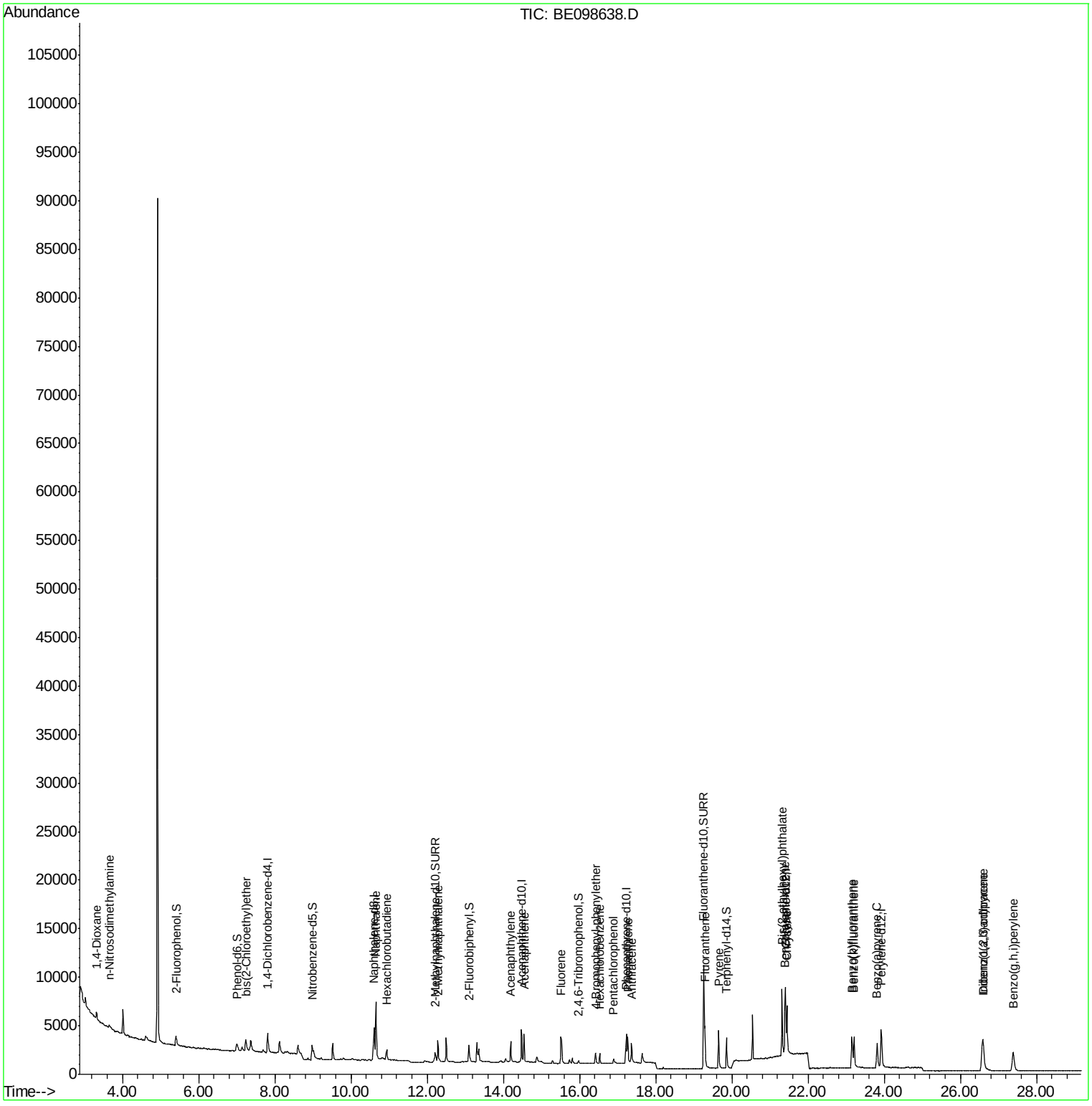
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE011619\

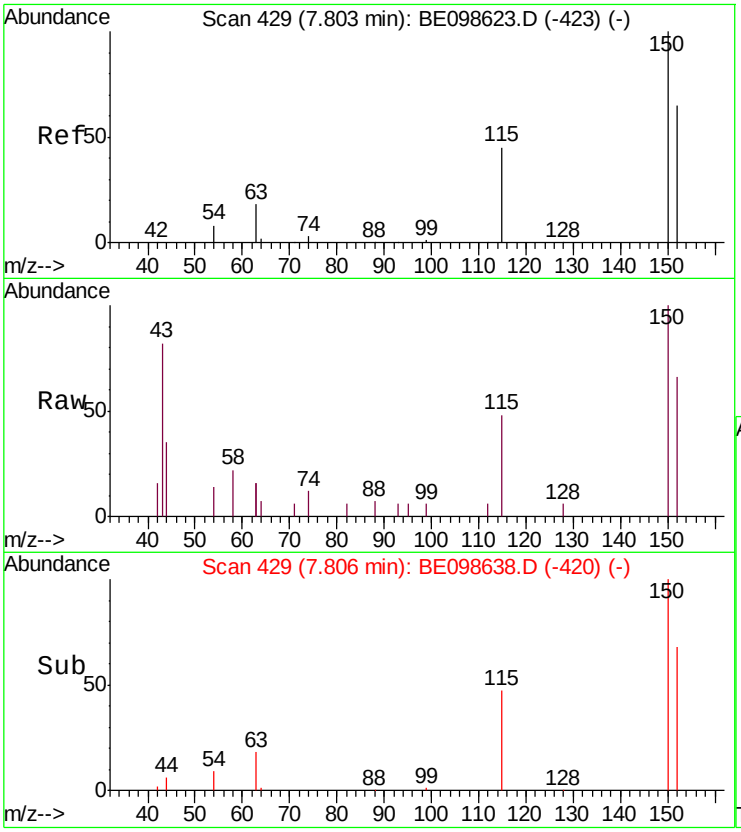
Quantitation Report (Not Reviewed)

Data File : BE098638.D
Acq On : 16 Jan 2019 19:01
Operator : SJ/JU
Sample : PB116433BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Quant Time: Jan 17 00:16:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration



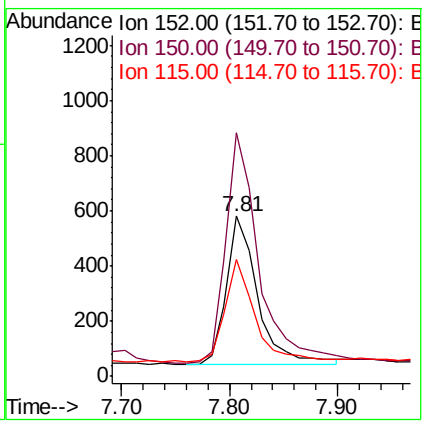


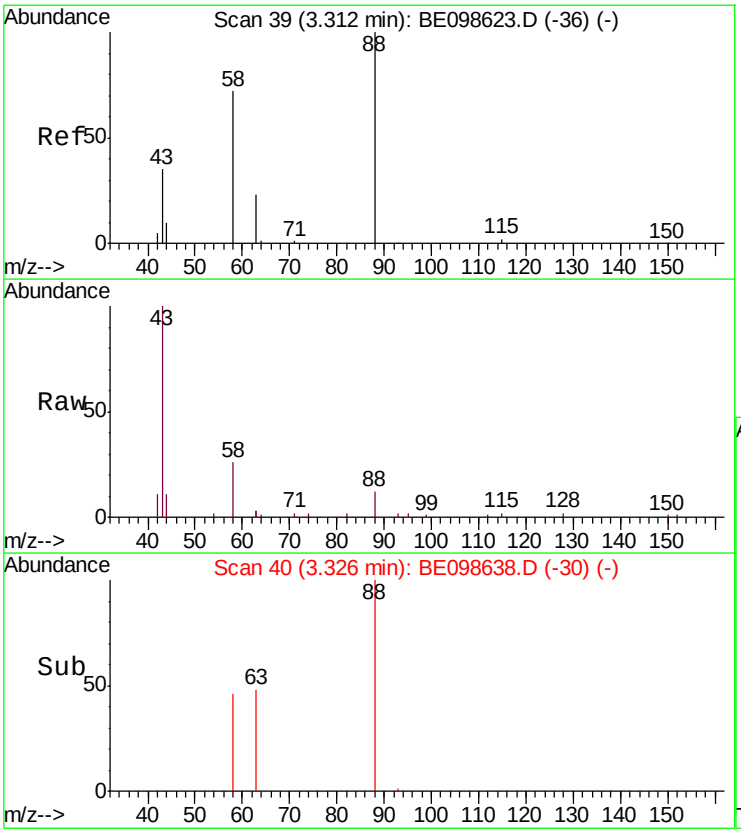
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:152 Resp: 1060

Ion	Ratio	Lower	Upper
152	100		
150	152.0	121.4	182.2
115	73.1	59.1	88.7

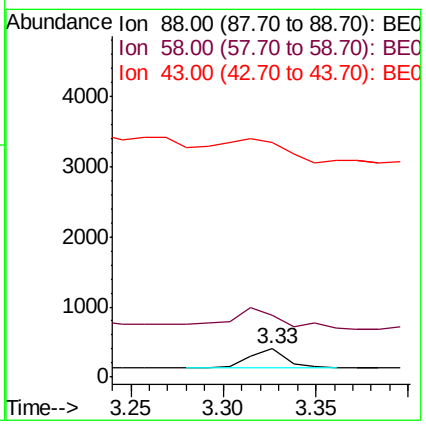


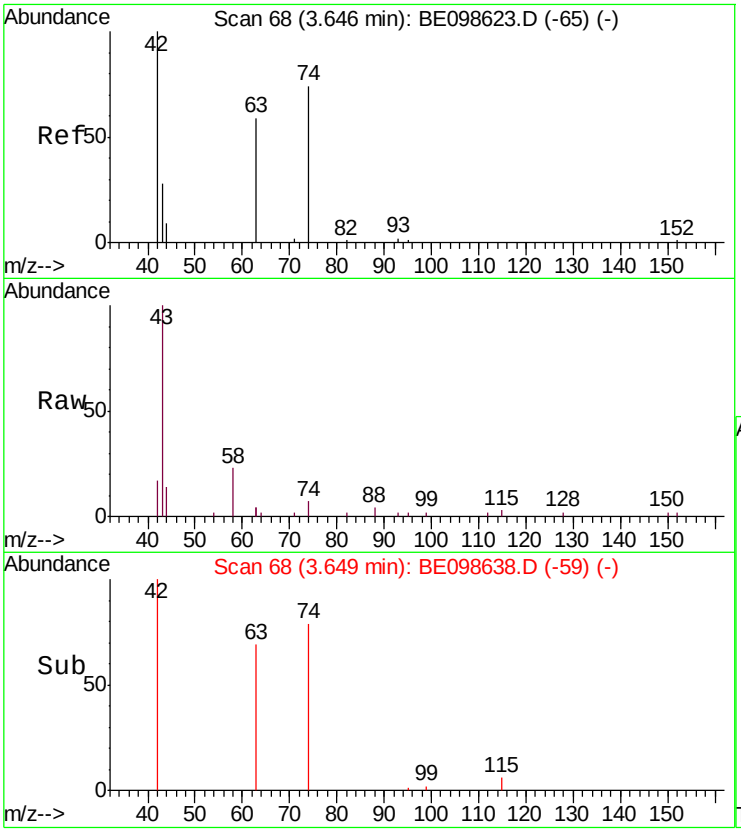


#2
1,4-Dioxane
Concen: 0.163 ng
RT: 3.33 min Scan# 40
Delta R.T. 0.02 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion: 88 Resp: 384

Ion	Ratio	Lower	Upper
88	100		
58	121.9	73.9	110.9#
43	185.4	43.7	65.5#



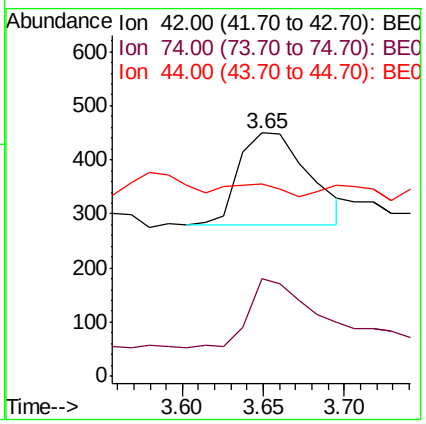


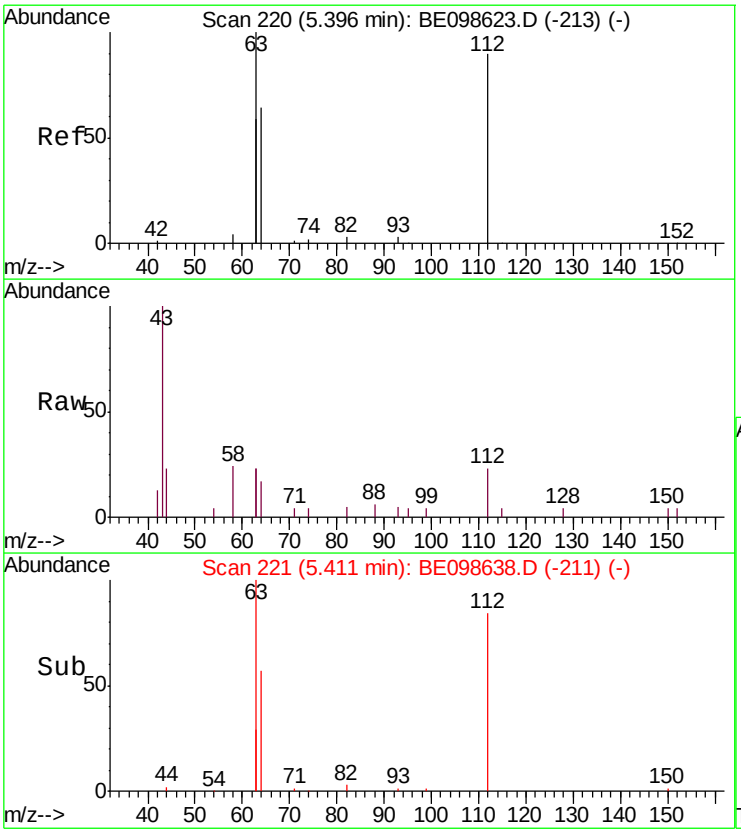
#3
n-Nitrosodimethylamine
Concen: 0.353 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion: 42 Resp: 507

Ion	Ratio	Lower	Upper
42	100		
74	65.3	58.9	88.3
44	10.5	0.0	0.0#

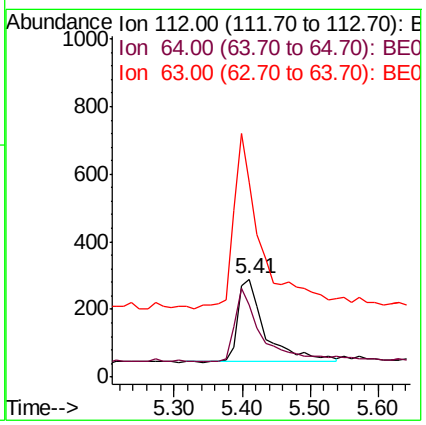


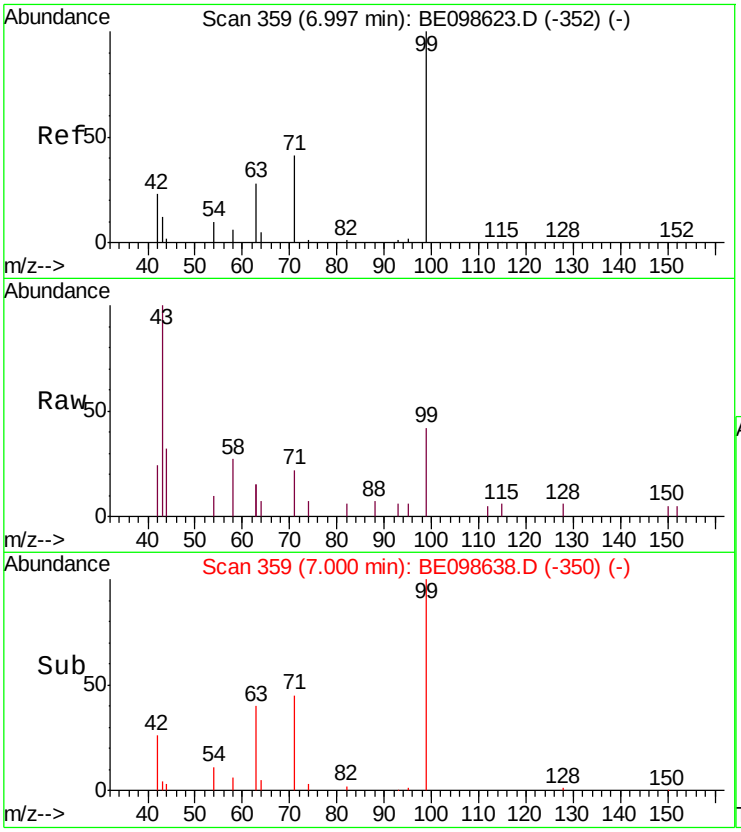


#4
2-Fluorophenol
Concen: 0.243 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.01 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:112 Resp: 688

Ion	Ratio	Lower	Upper
112	100		
64	90.3	62.9	94.3
63	217.0	152.2	228.4



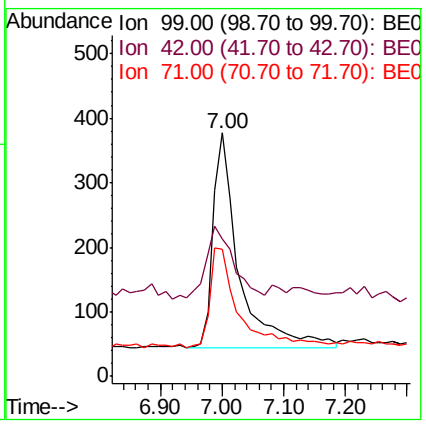


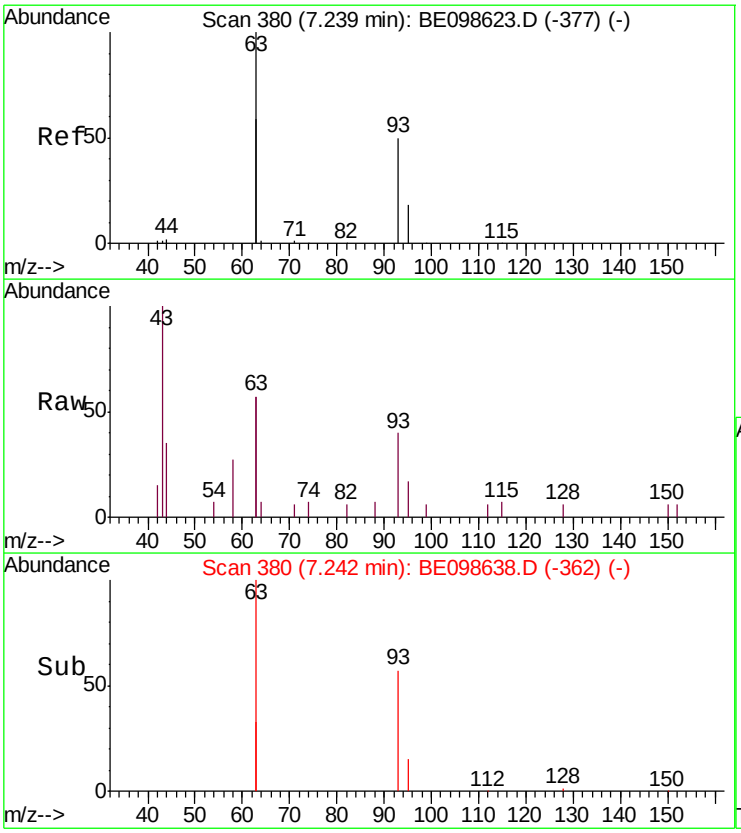
#5
Phenol-d6
Concen: 0.237 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion: 99 Resp: 956

Ion	Ratio	Lower	Upper
99	100		
42	35.1	24.6	37.0
71	52.3	35.1	52.7

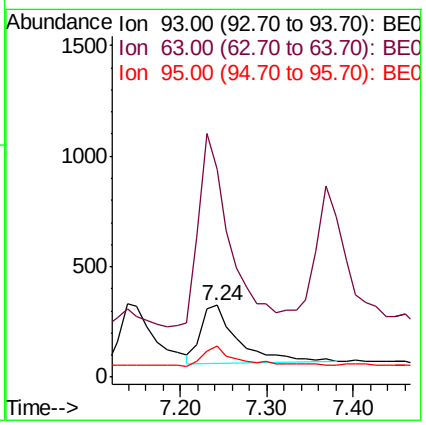


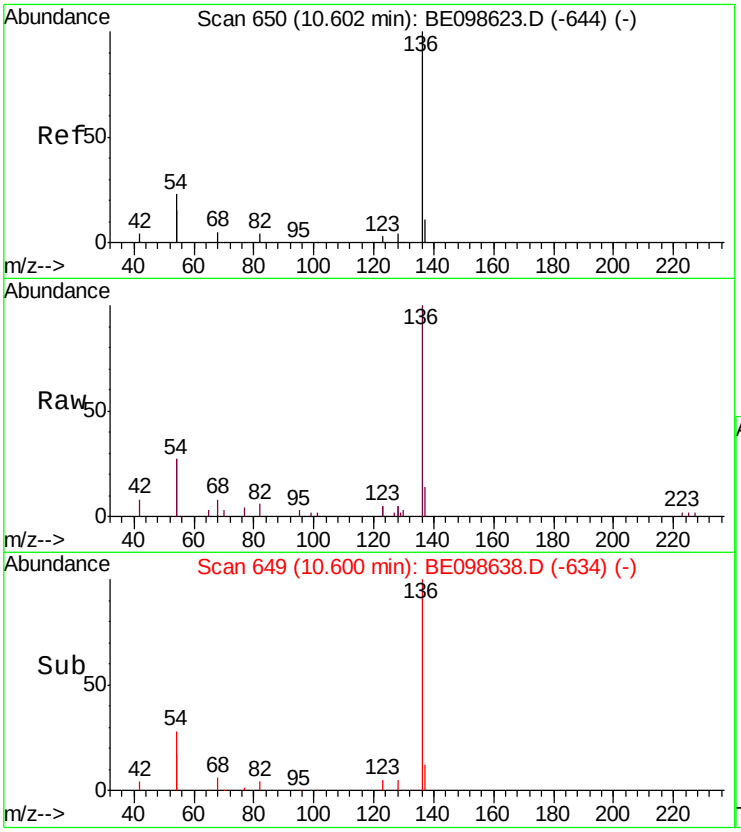


#6
bis(2-Chloroethyl)ether
Concen: 0.252 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion: 93 Resp: 766

Ion	Ratio	Lower	Upper
93	100		
63	283.0	267.3	400.9
95	30.2	26.2	39.4



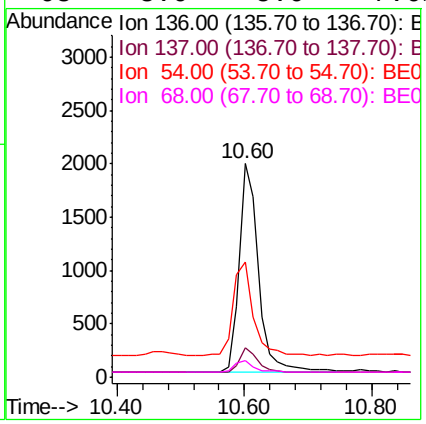


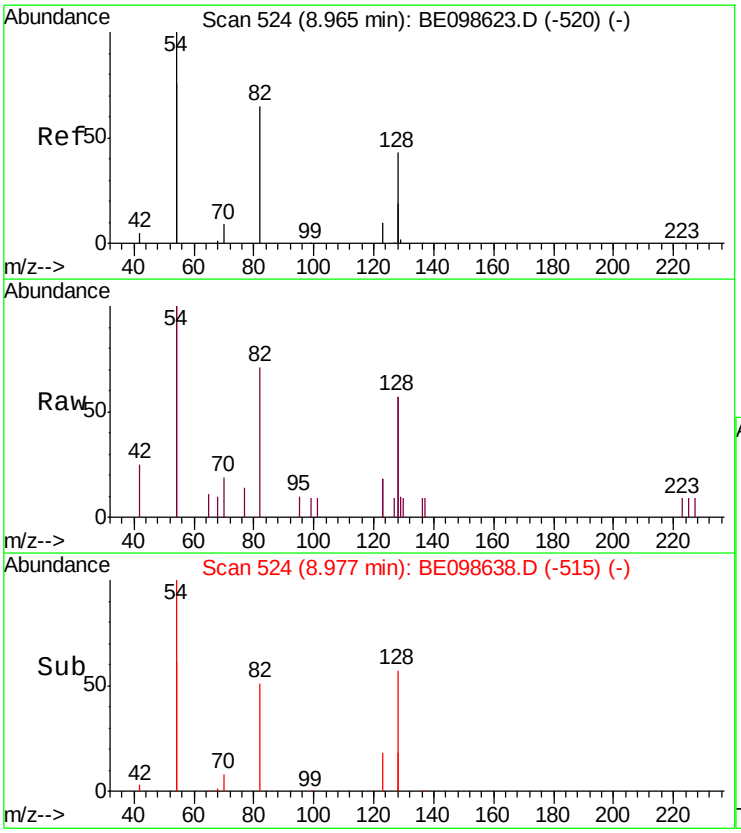
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:136 Resp: 4134

Ion	Ratio	Lower	Upper
136	100		
137	13.7	9.7	14.5
54	54.2	35.5	53.3#
68	8.0	5.0	7.6#

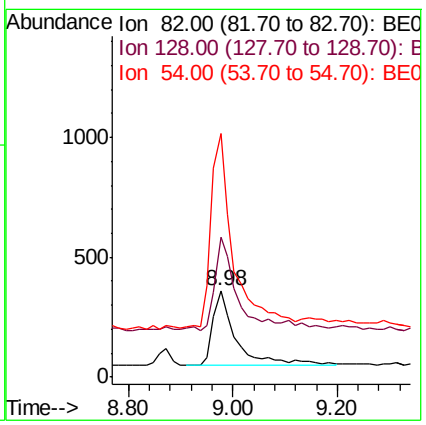


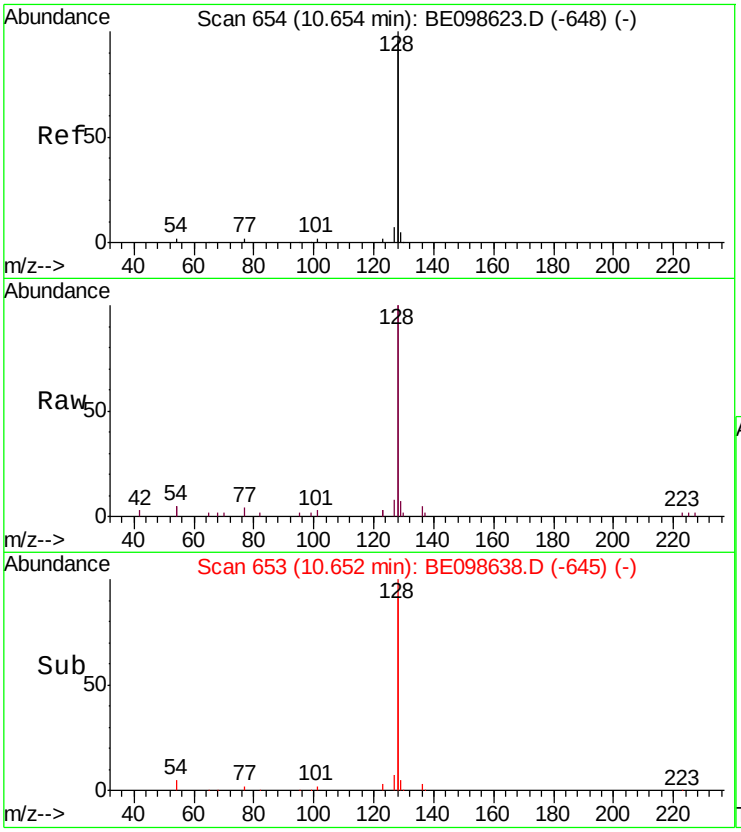


#8
Nitrobenzene-d5
Concen: 0.300 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion: 82 Resp: 984

Ion	Ratio	Lower	Upper
82	100		
128	162.2	96.5	144.7#
54	282.2	224.7	337.1



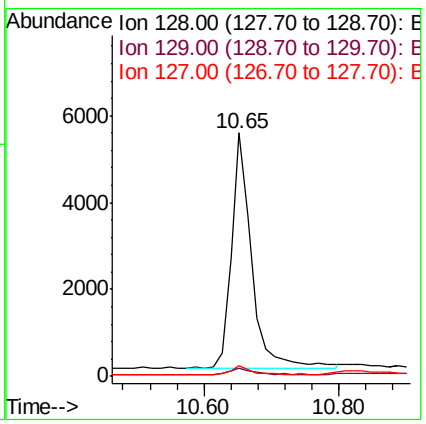


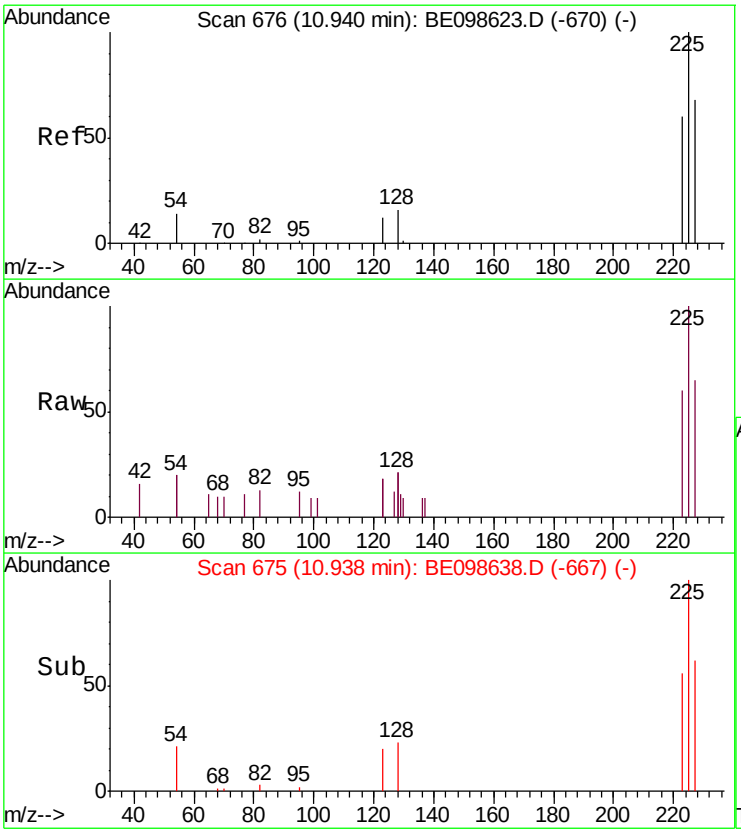
#9
Naphthalene
Concen: 0.272 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:128 Resp: 11182

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	3.8
127	4.2	3.0	4.6

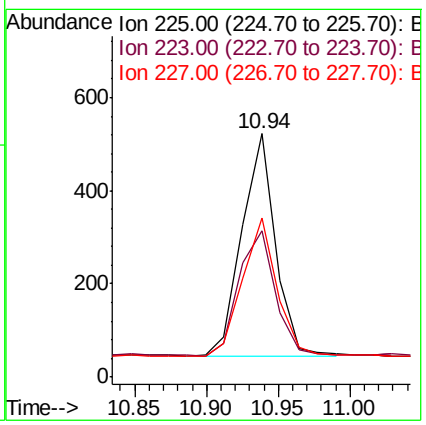


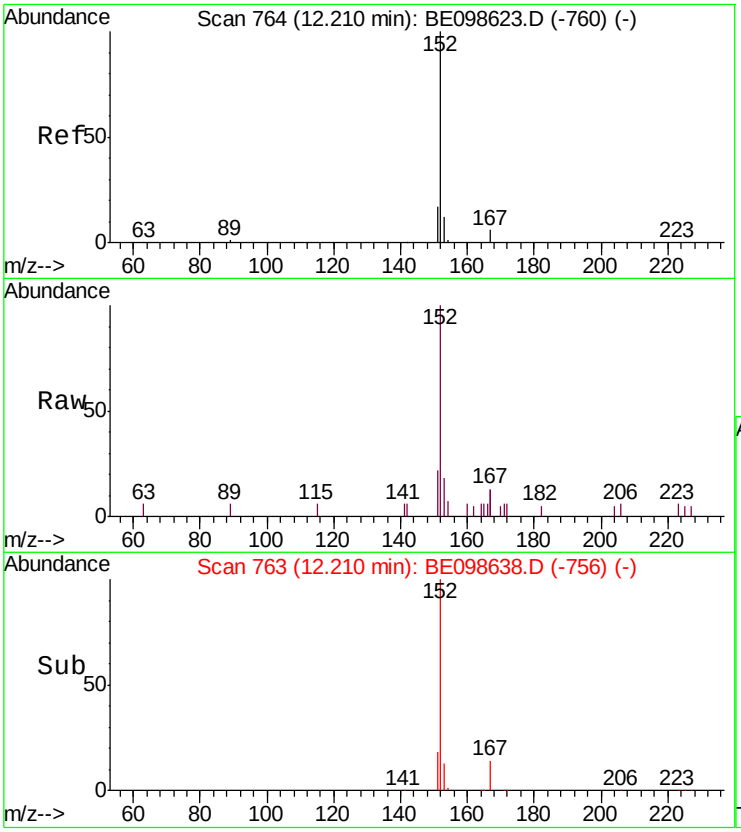


#10
Hexachlorobutadiene
Concen: 0.265 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:225 Resp: 780

Ion	Ratio	Lower	Upper
225	100		
223	60.0	47.8	71.8
227	64.1	50.5	75.7



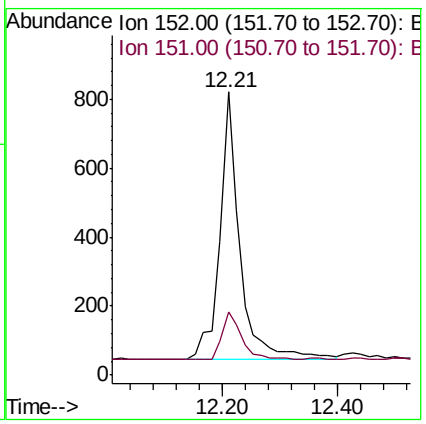


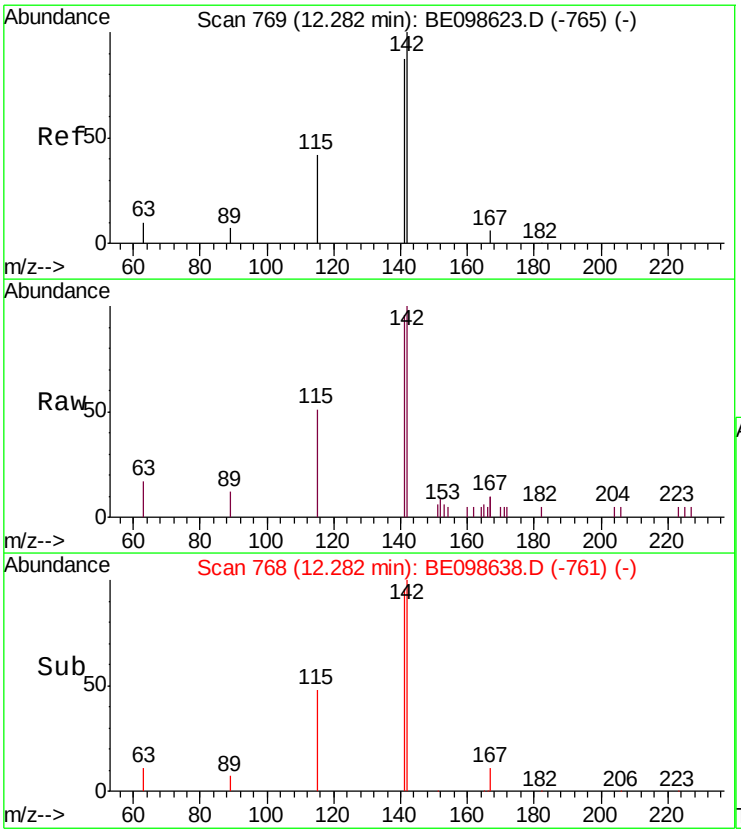
#11
2-Methylnaphthalene-d10
Concen: 0.275 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:152 Resp: 1872

Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.2	24.4

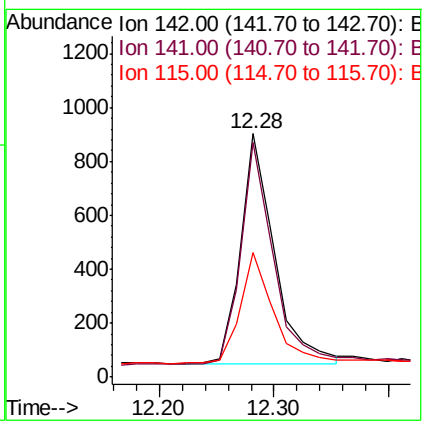


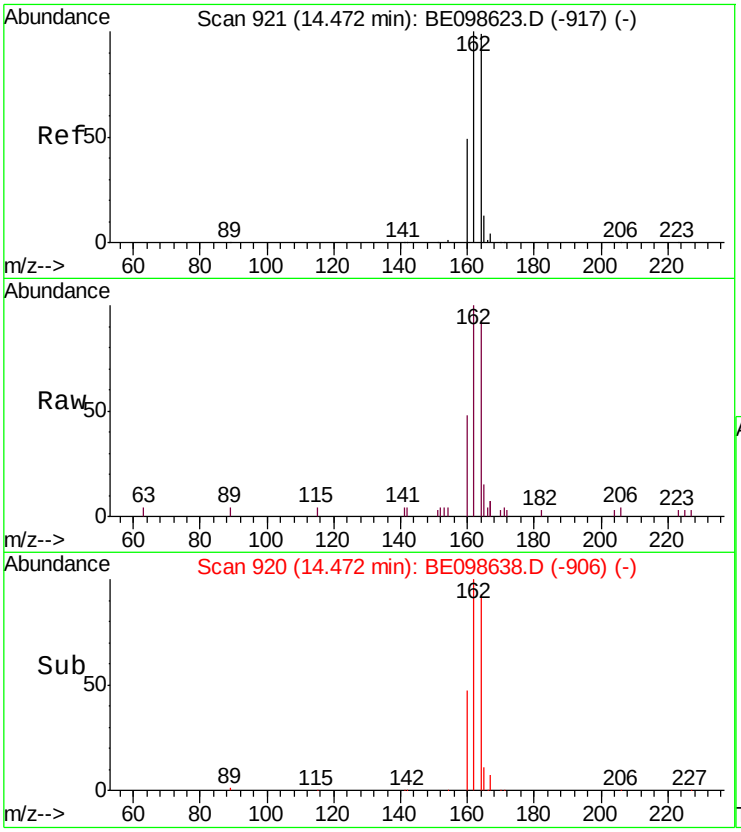


#12
2-Methylnaphthalene
Concen: 0.255 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:142 Resp: 1743

Ion	Ratio	Lower	Upper
142	100		
141	96.2	70.0	105.0
115	51.2	35.2	52.8



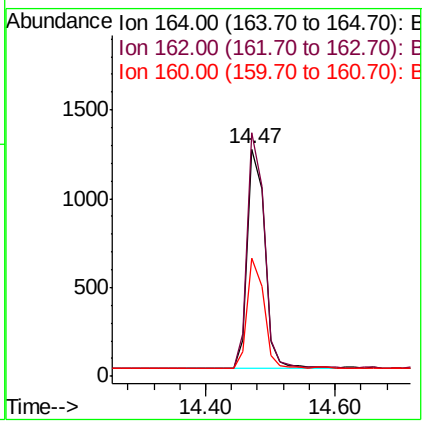


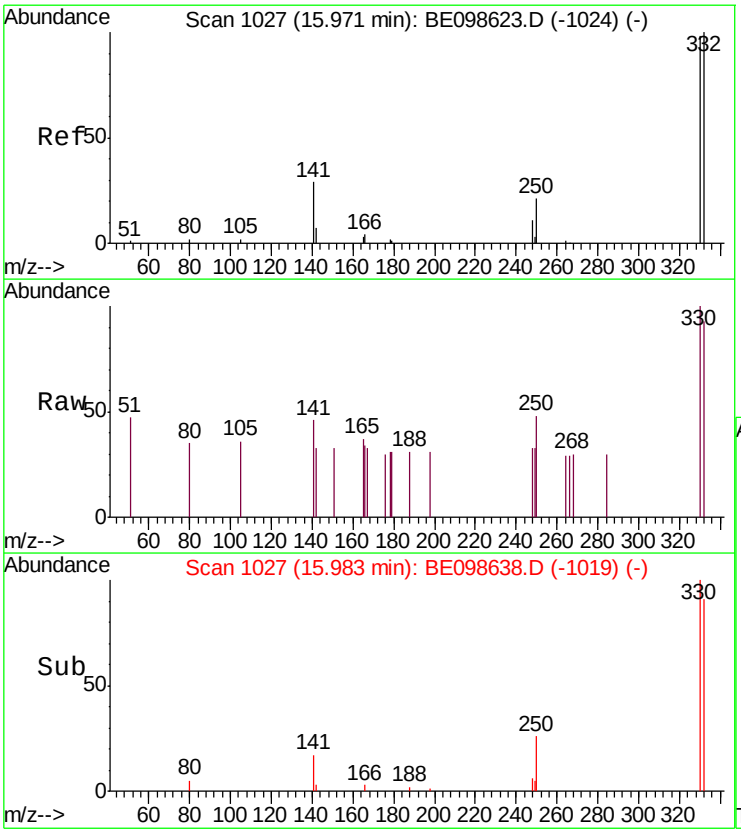
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:164 Resp: 2290

Ion	Ratio	Lower	Upper
164	100		
162	107.0	80.5	120.7
160	51.8	40.1	60.1

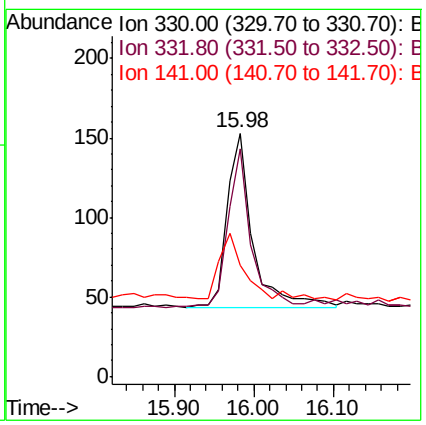


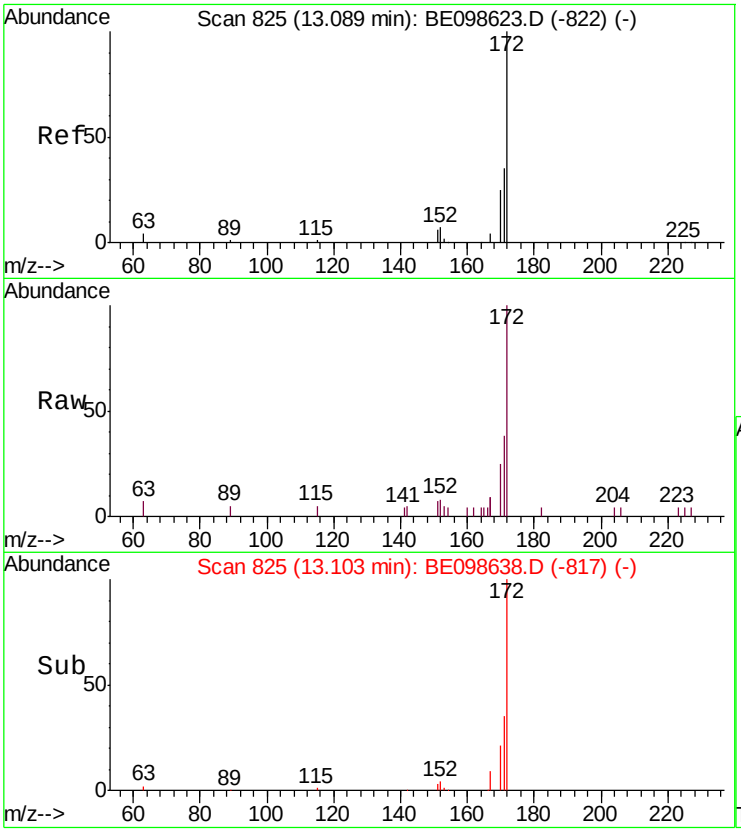


#14
2,4,6-Tribromophenol
Concen: 0.252 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:330 Resp: 251

Ion	Ratio	Lower	Upper
330	100		
332	79.3	73.3	109.9
141	32.7	33.1	49.7#



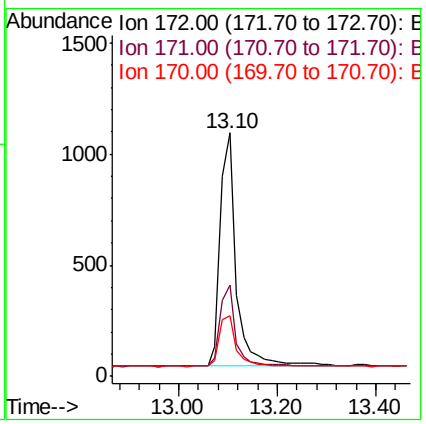


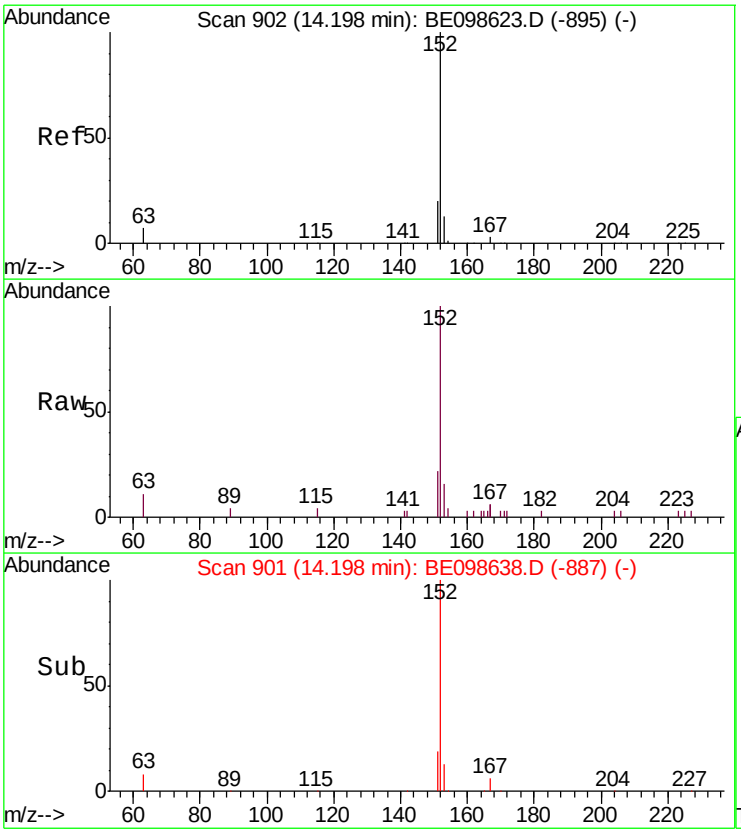
#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:172 Resp: 2348

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.0	43.4
170	24.6	20.8	31.2

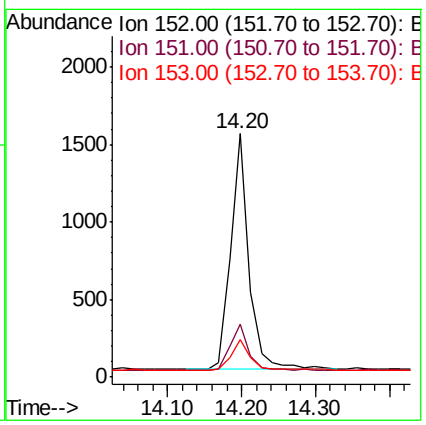


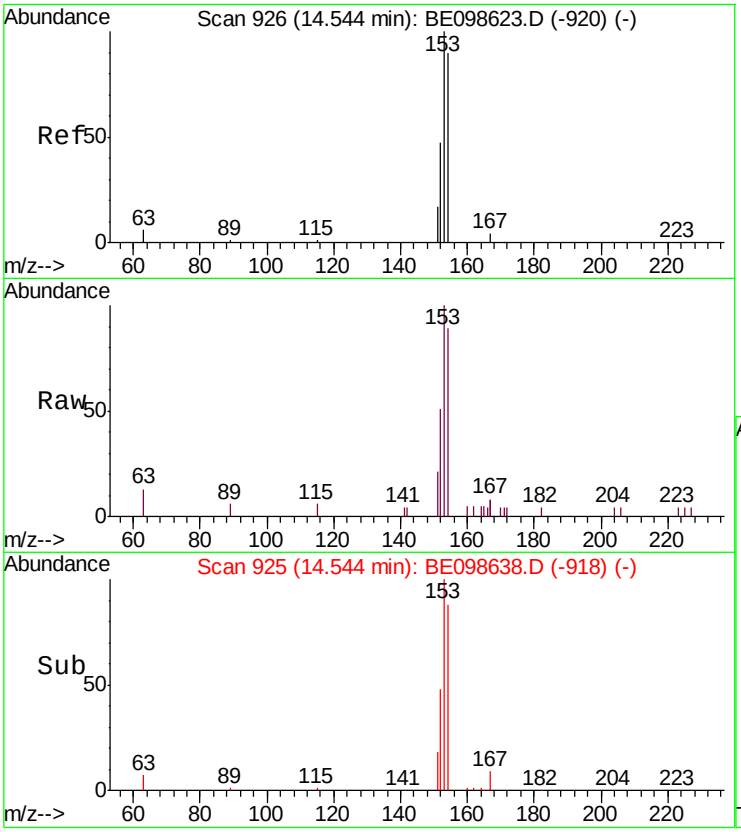


#16
Acenaphthylene
Concen: 0.262 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:152 Resp: 2600

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.1	10.7	16.1



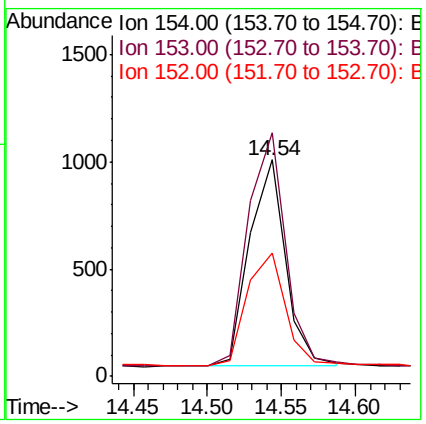


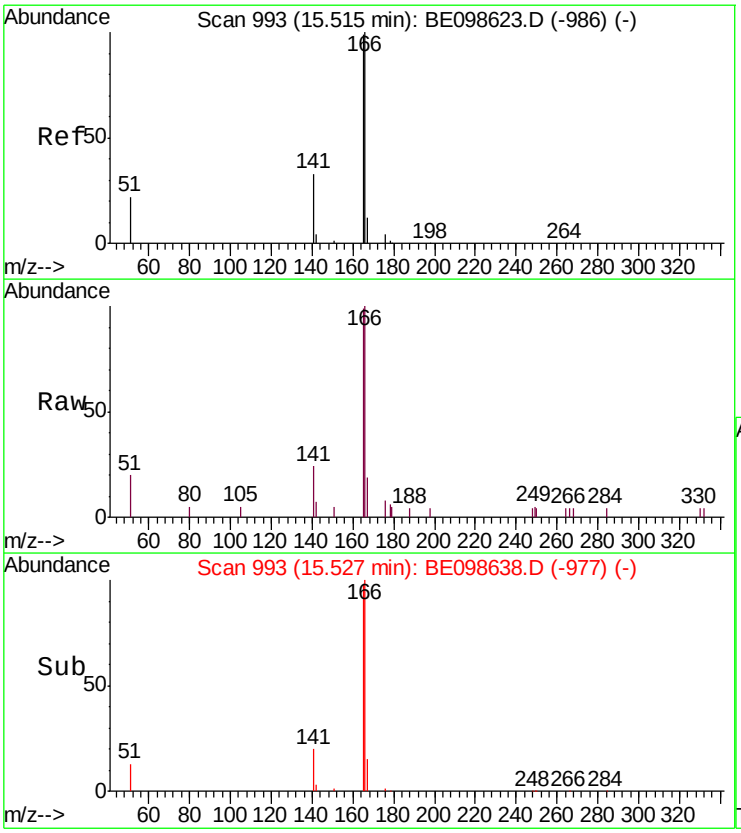
#17
Acenaphthene
Concen: 0.261 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:154 Resp: 1623

Ion	Ratio	Lower	Upper
154	100		
153	118.5	93.9	140.9
152	58.2	45.8	68.8

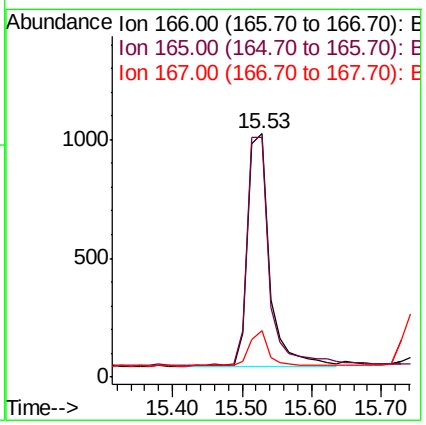


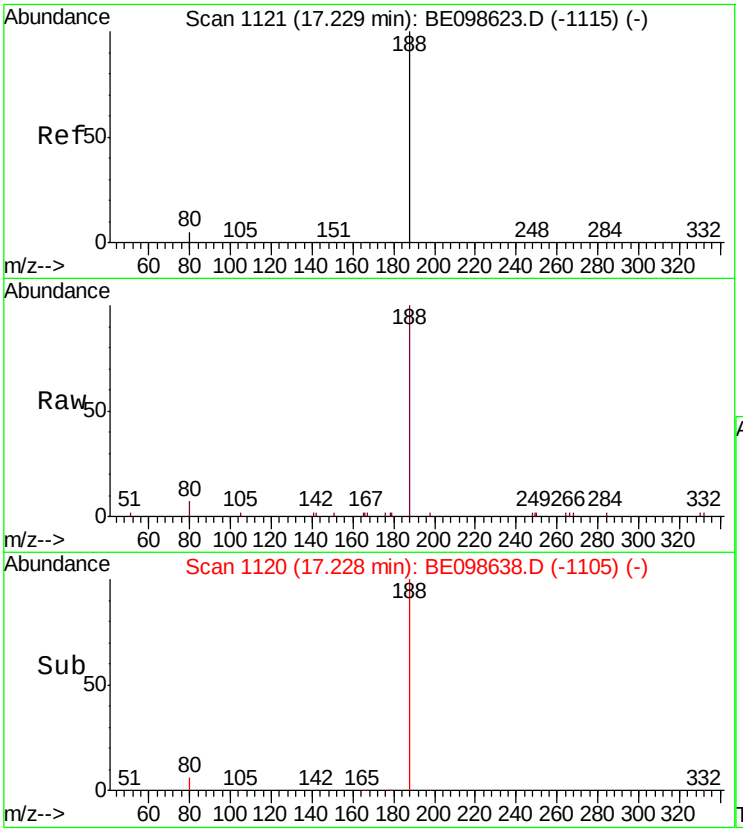


#18
Fluorene
Concen: 0.263 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.01 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:166 Resp: 2132

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.3	118.9
167	12.7	10.6	15.8



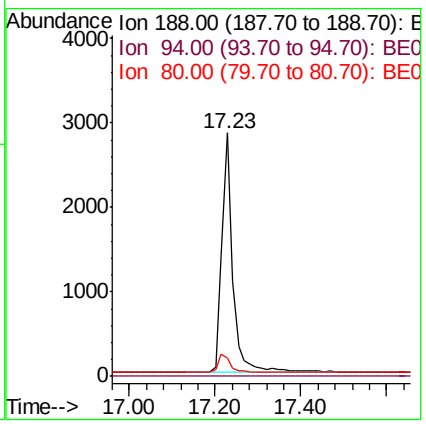


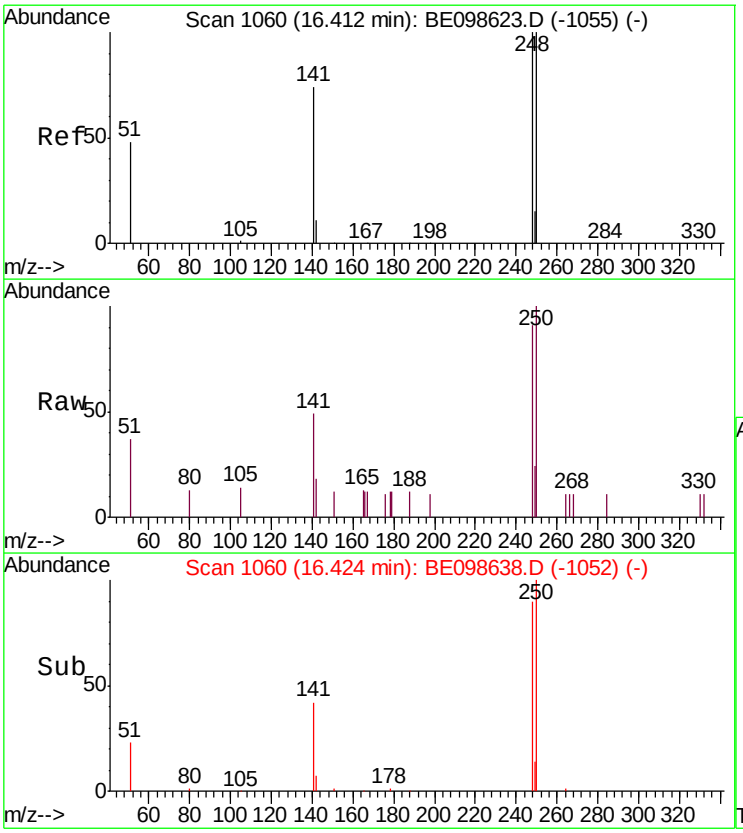
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:188 Resp: 5116

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	4.7	7.1#

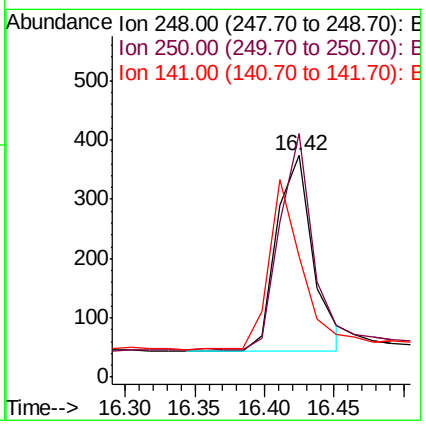


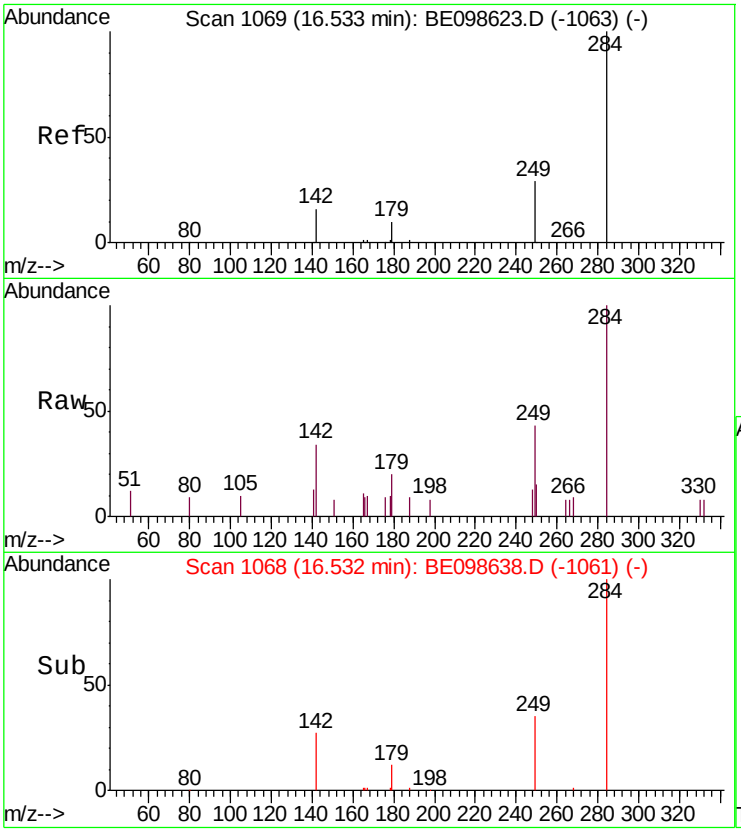


#20
4-Bromophenyl-phenylether
Concen: 0.223 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:248 Resp: 605

Ion	Ratio	Lower	Upper
248	100		
250	109.9	80.2	120.4
141	54.3	60.5	90.7#



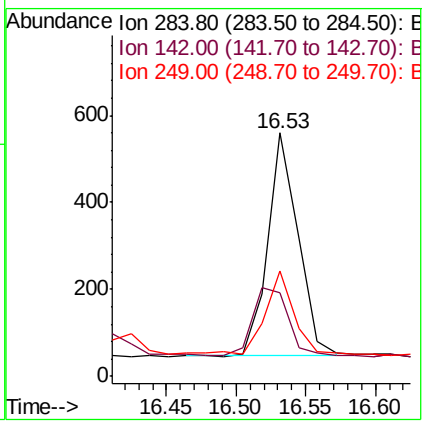


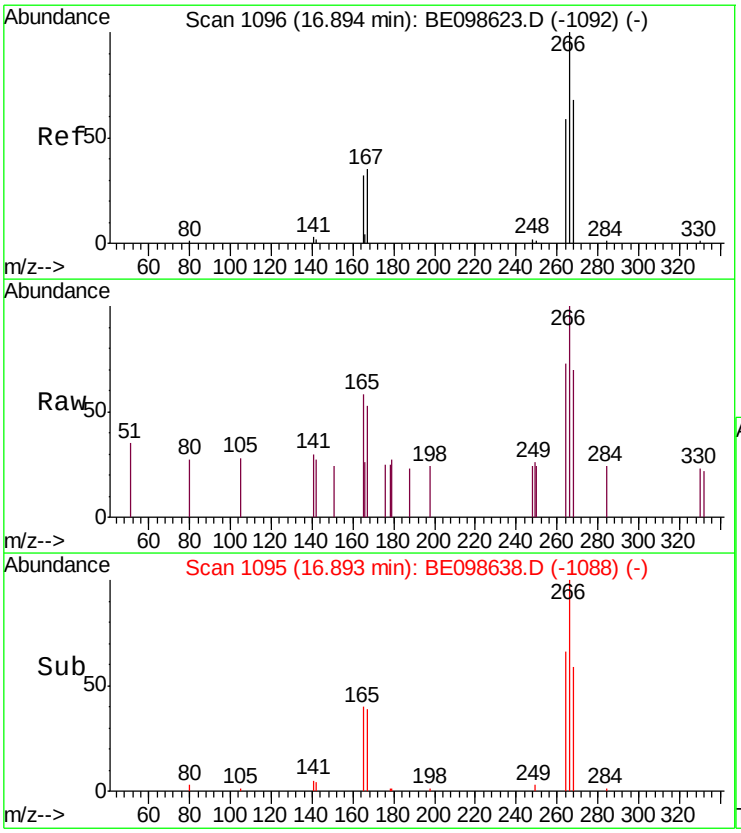
#21
Hexachlorobenzene
Concen: 0.238 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:284 Resp: 779

Ion	Ratio	Lower	Upper
284	100		
142	35.8	25.5	38.3
249	32.6	26.6	39.8

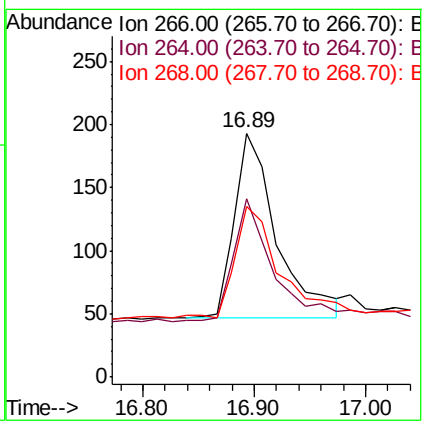


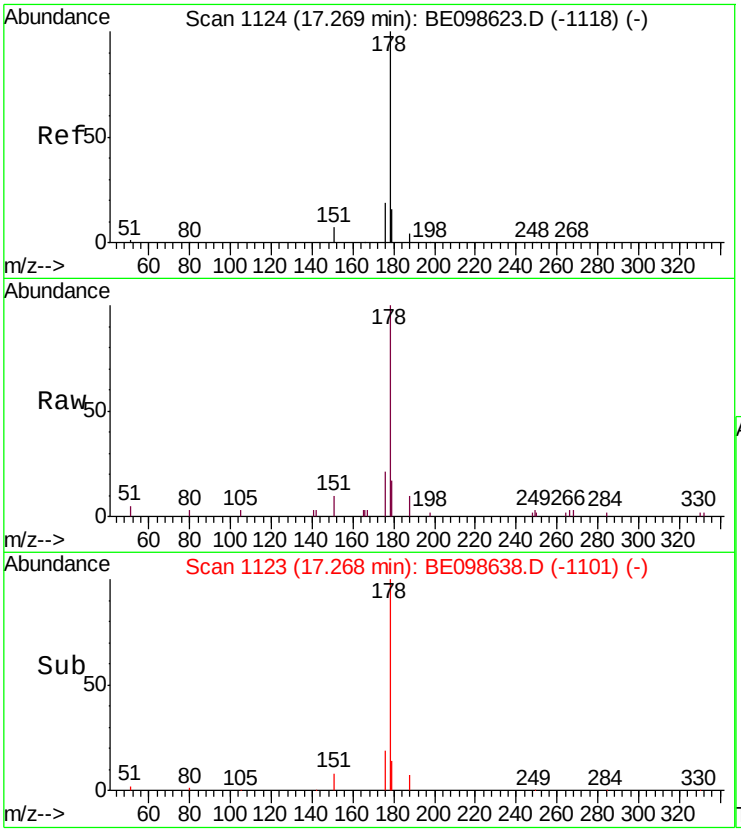


#22
Pentachlorophenol
Concen: 0.488 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:266 Resp: 385

Ion	Ratio	Lower	Upper
266	100		
264	73.1	53.7	80.5
268	69.9	59.8	89.8



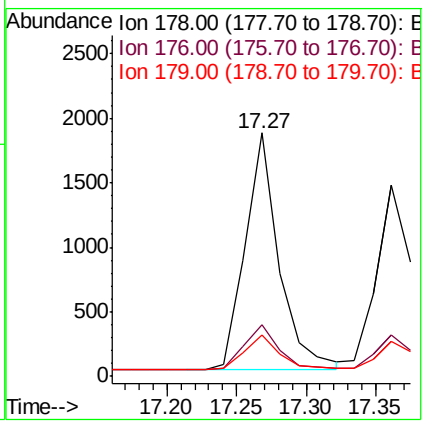


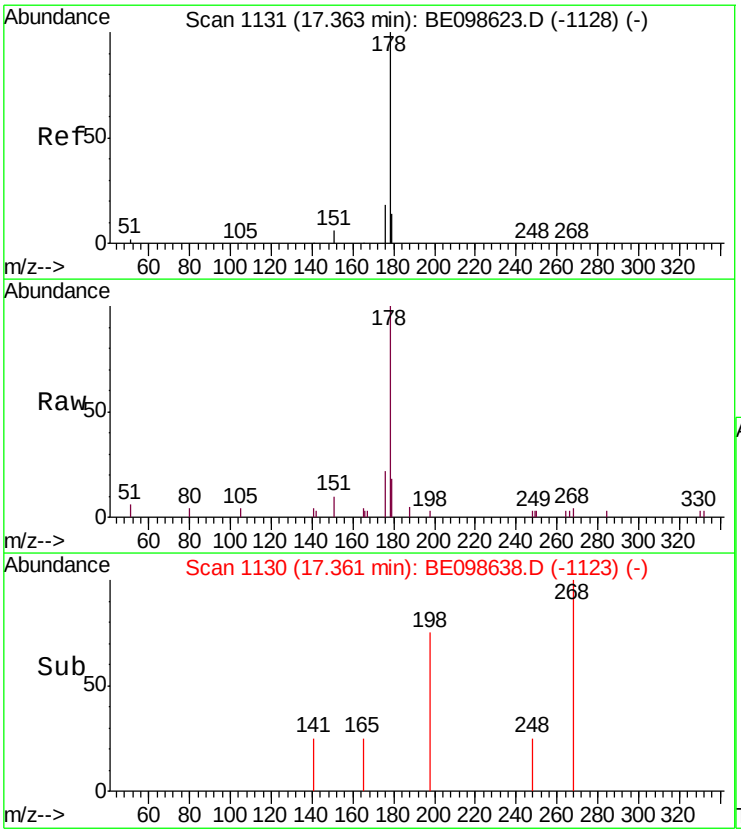
#23
Phenanthrene
Concen: 0.254 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:178 Resp: 3084

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.6	12.2	18.4

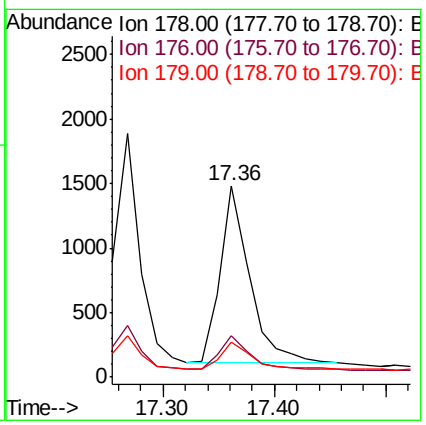


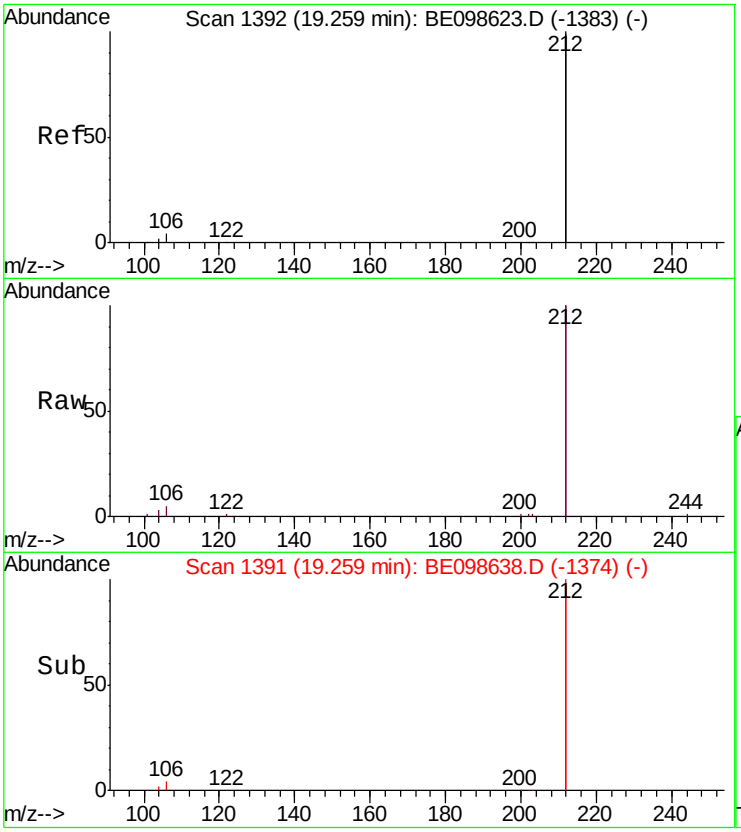


#24
Anthracene
Concen: 0.242 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:178 Resp: 2509

Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.9	22.3
179	16.0	11.8	17.8



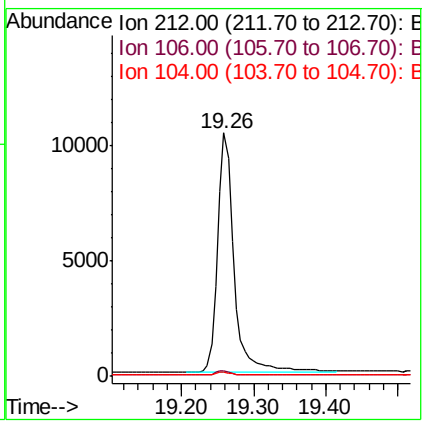


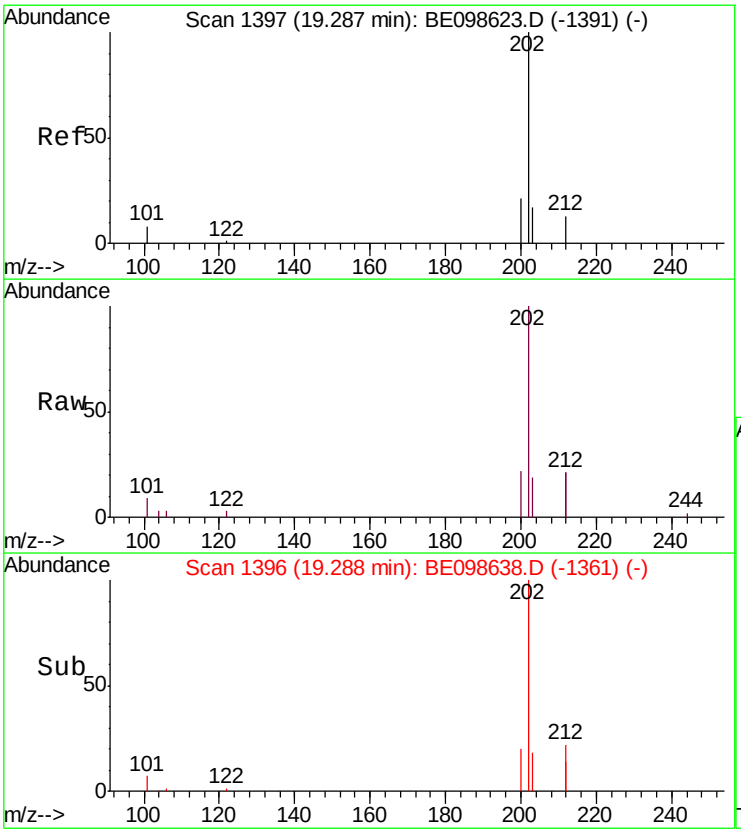
#25
Fluoranthene-d10
Concen: 0.258 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:212 Resp: 16355

Ion	Ratio	Lower	Upper
212	100		
106	2.0	1.7	2.5
104	1.3	1.0	1.6

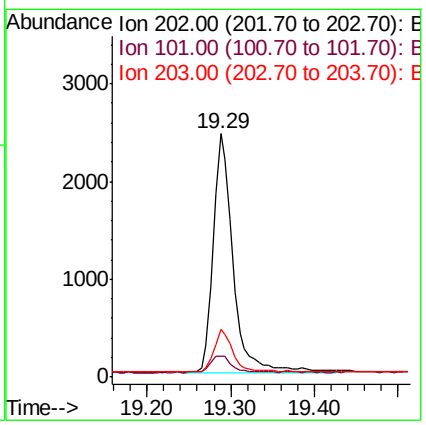


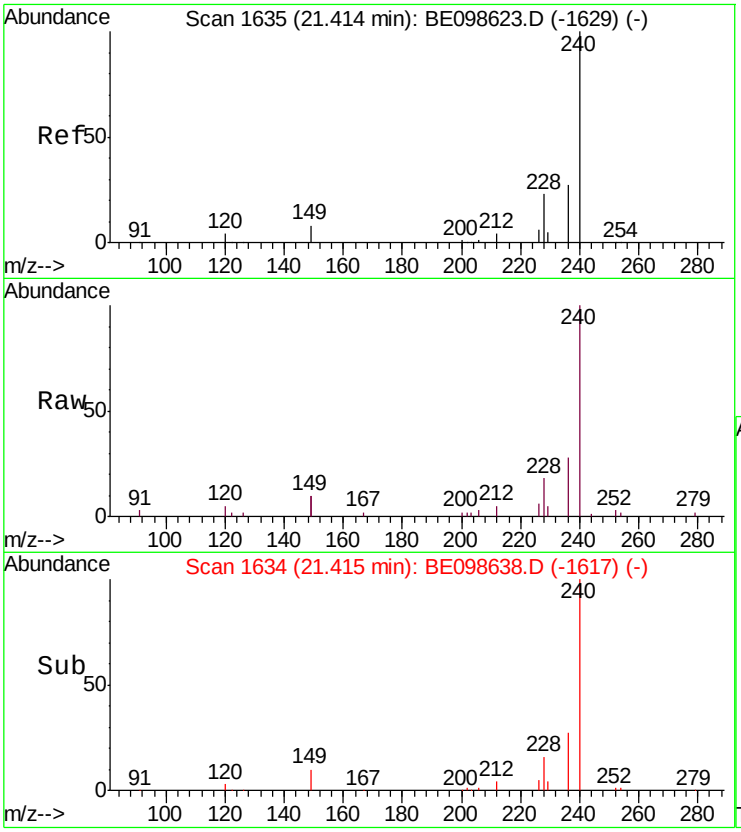


#26
Fluoranthene
Concen: 0.258 ng
RT: 19.29 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:202 Resp: 4031

Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.7	10.1
203	17.2	13.3	19.9



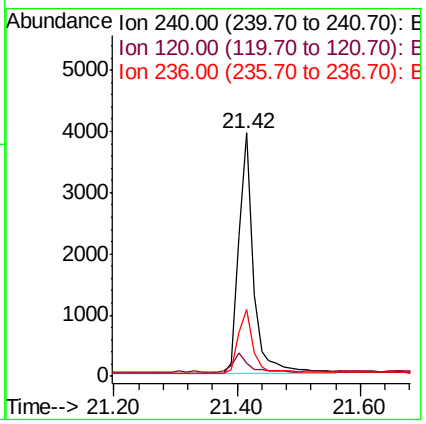


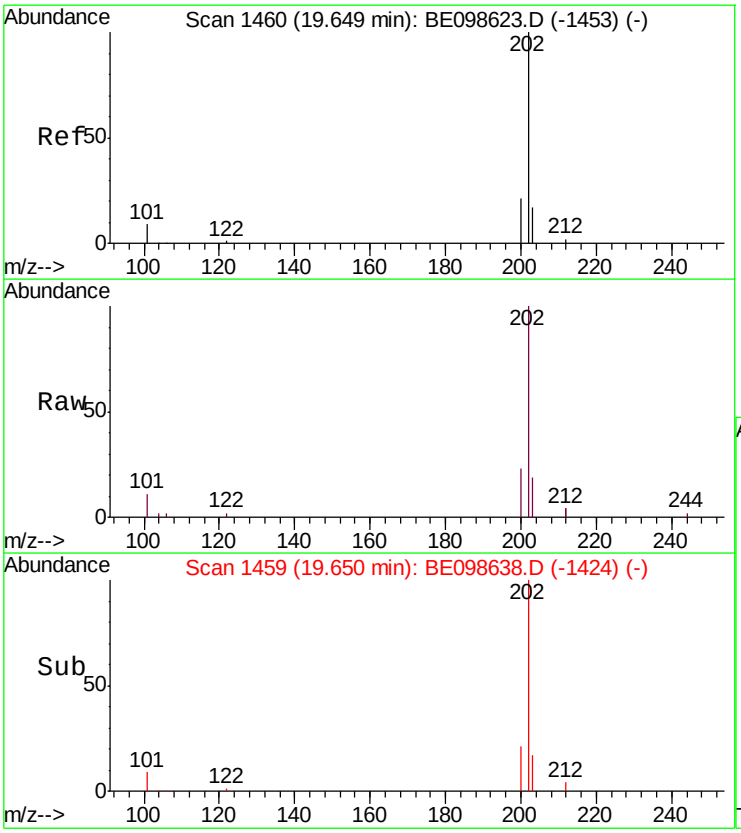
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:240 Resp: 6410

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.7	7.1
236	27.6	21.9	32.9

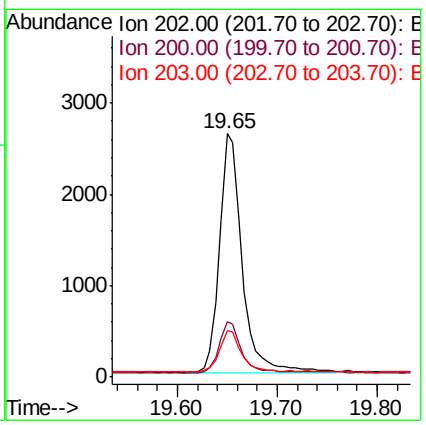


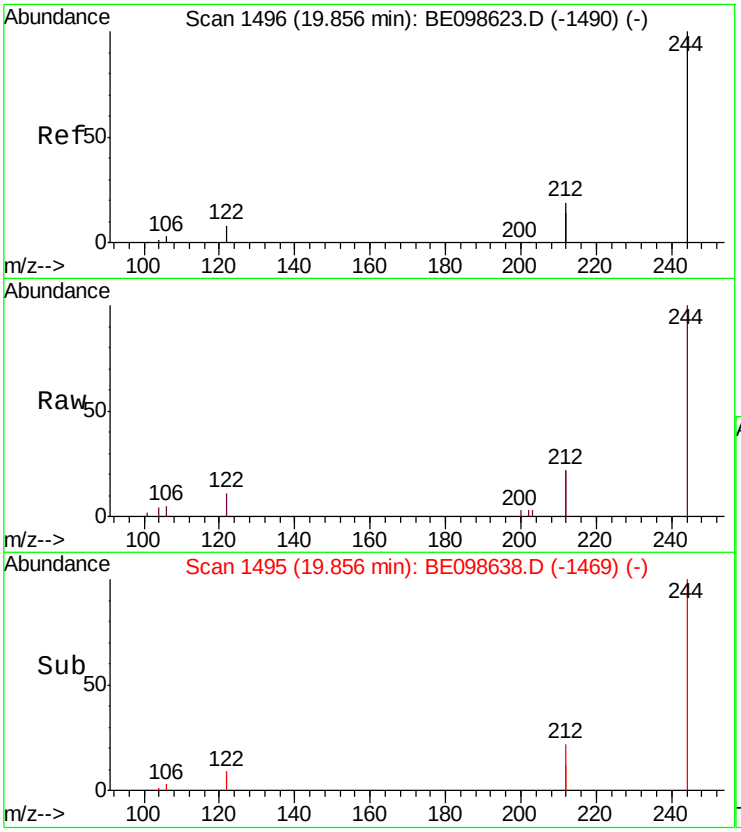


#28
Pyrene
Concen: 0.233 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:202 Resp: 4104

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.1	13.8	20.8



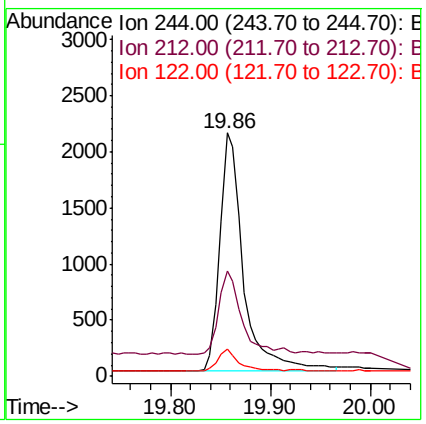


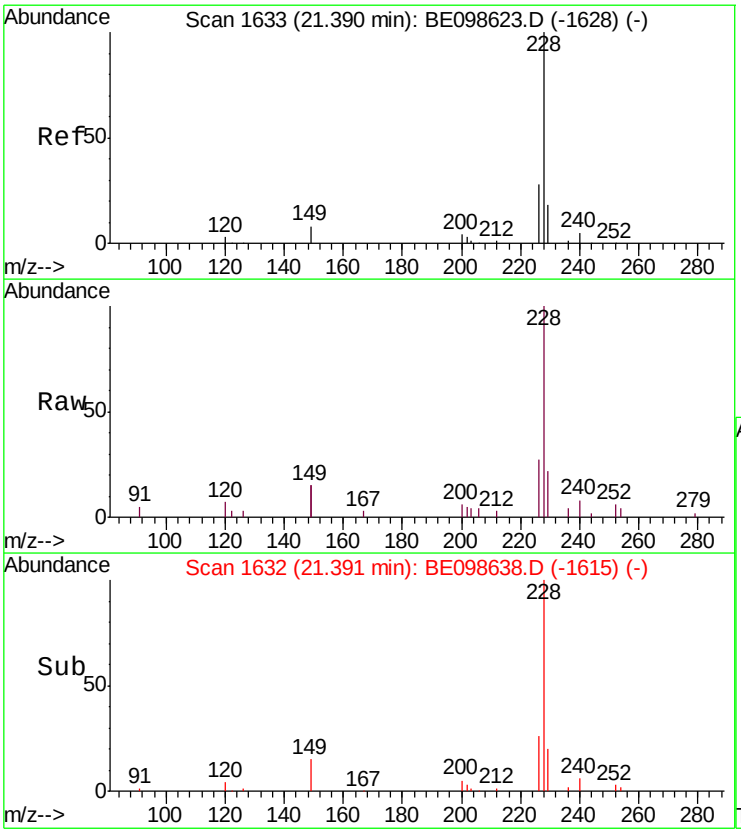
#29
Terphenyl-d14
Concen: 0.248 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:244 Resp: 3521

Ion	Ratio	Lower	Upper
244	100		
212	43.2	29.4	44.2
122	11.3	7.1	10.7#

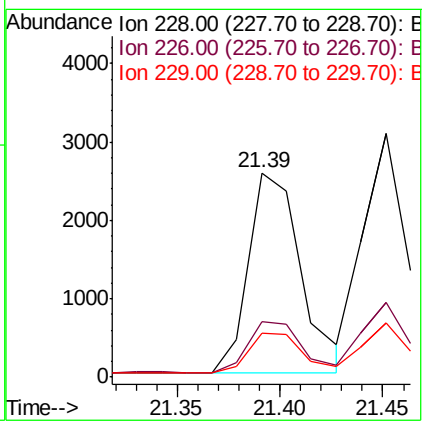


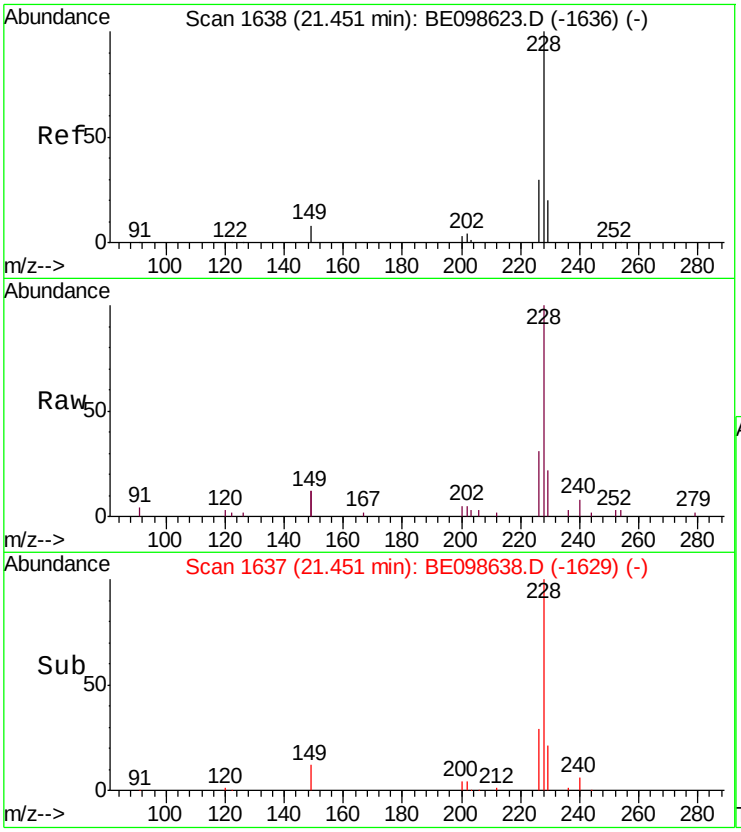


#30
Benzo(a)anthracene
Concen: 0.266 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:228 Resp: 4590

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.0	34.4
229	21.7	15.0	22.6



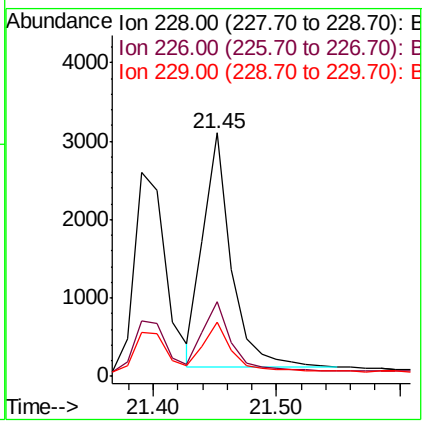


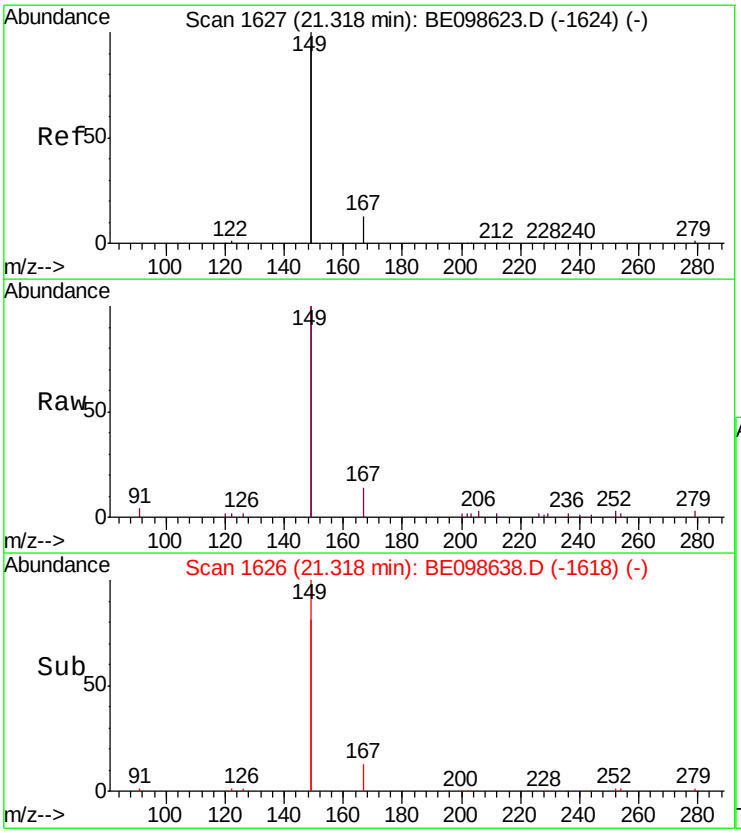
#31
Chrysene
Concen: 0.264 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:228 Resp: 4719

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	22.1	16.4	24.6

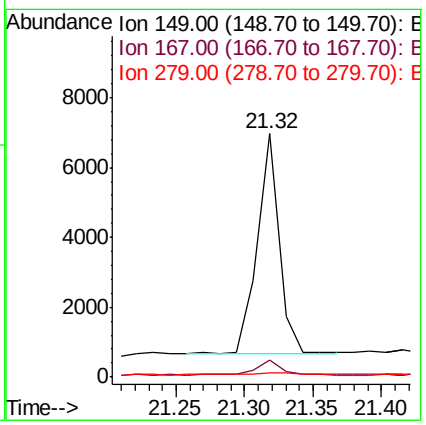


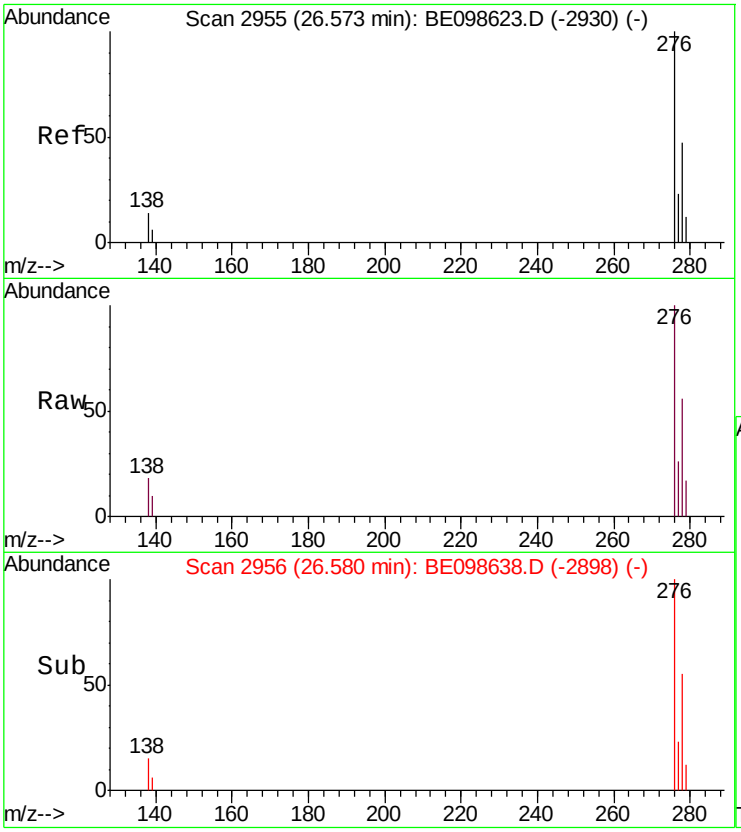


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.192 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:149 Resp: 7011

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.4	8.2
279	1.6	1.0	1.4#



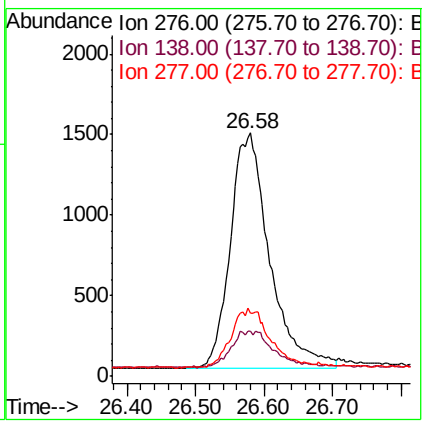


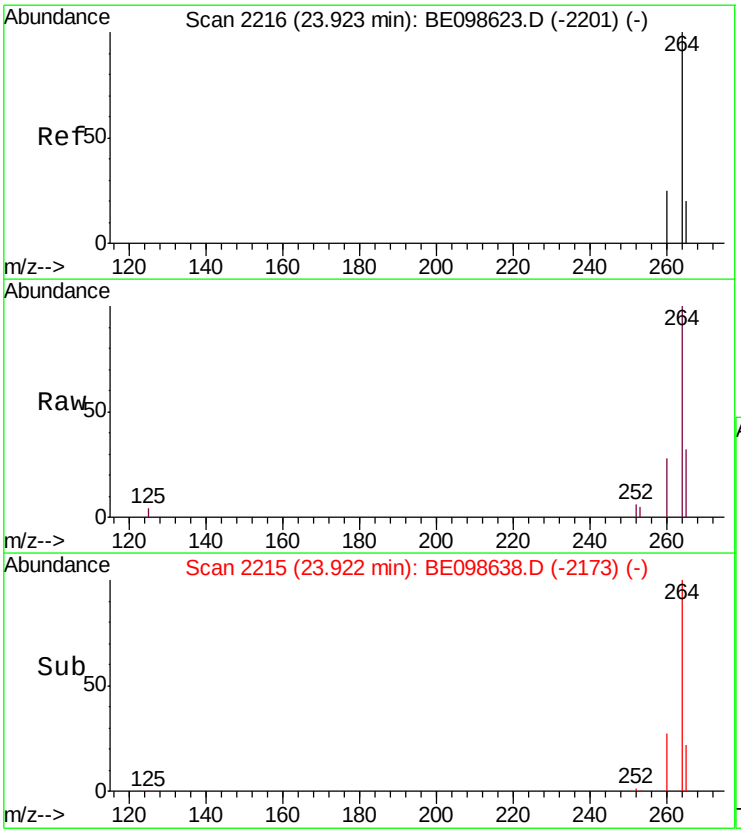
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.317 ng
RT: 26.58 min Scan# 2956
Delta R.T. 0.01 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:276 Resp: 5846

Ion	Ratio	Lower	Upper
276	100		
138	6.0	13.3	19.9#
277	9.7	19.4	29.0#

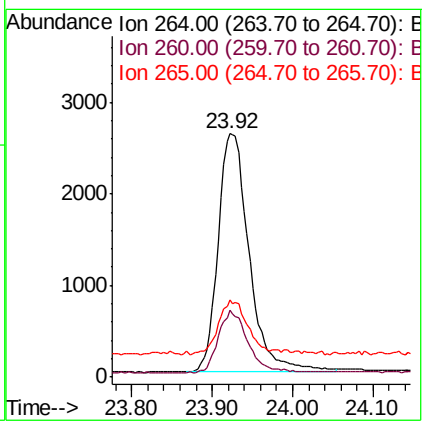


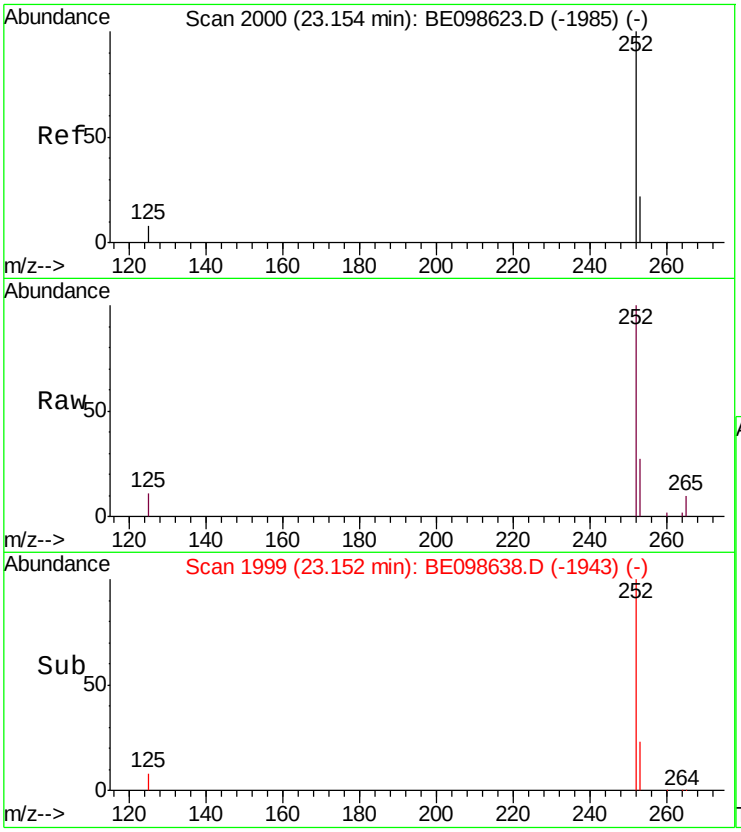


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:264 Resp: 6968

Ion	Ratio	Lower	Upper
264	100		
260	27.8	20.5	30.7
265	31.6	22.3	33.5



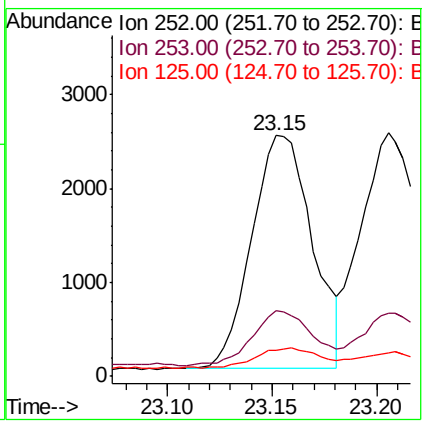


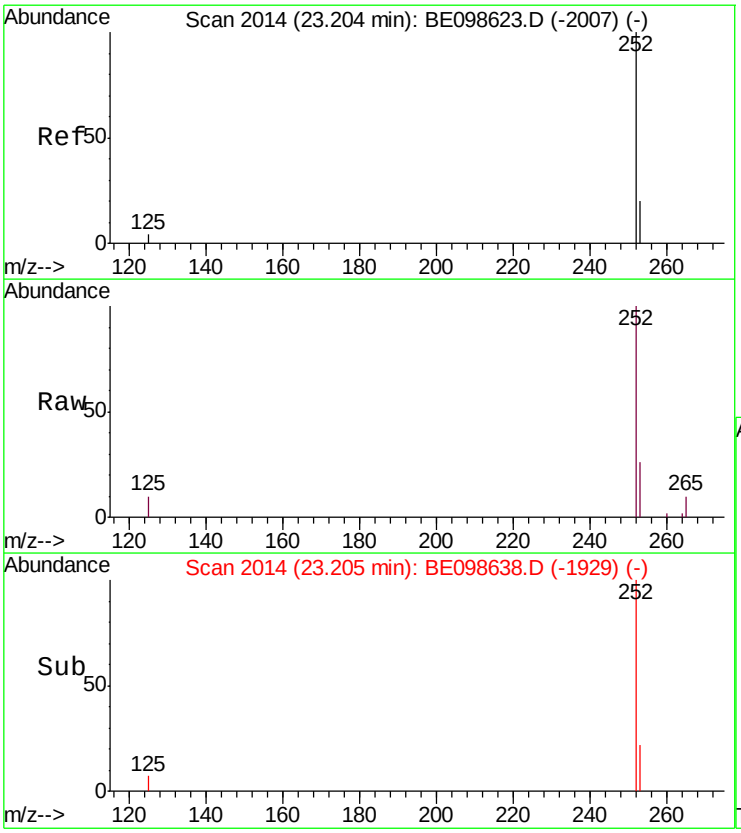
#35
Benzo(b)fluoranthene
Concen: 0.263 ng
RT: 23.15 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:252 Resp: 5008

Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.4	29.0
125	10.9	8.2	12.4

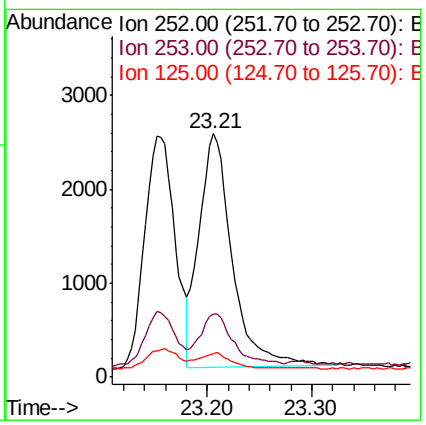


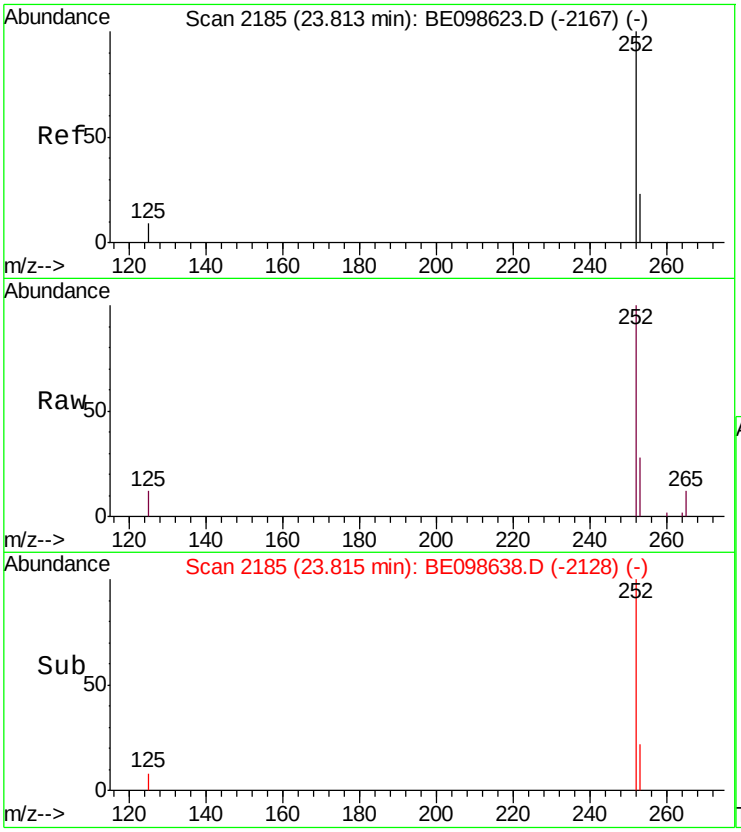


#36
Benzo(k)fluoranthene
Concen: 0.266 ng
RT: 23.21 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:252 Resp: 5518

Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.0	28.4
125	9.8	7.0	10.4



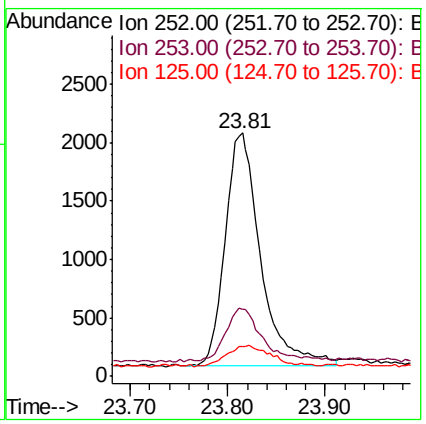


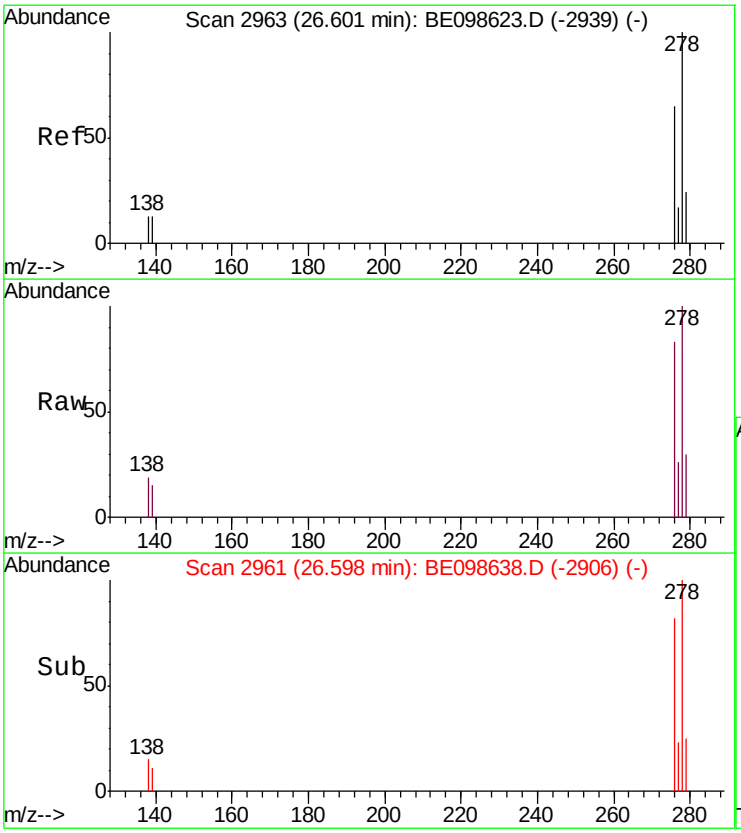
#37
Benzo(a)pyrene
Concen: 0.272 ng
RT: 23.81 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:252 Resp: 5080

Ion	Ratio	Lower	Upper
252	100		
253	27.6	21.0	31.4
125	12.1	9.2	13.8

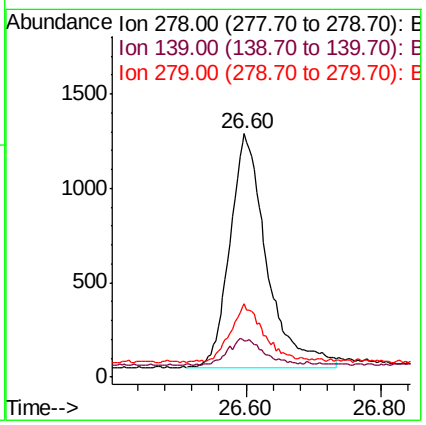


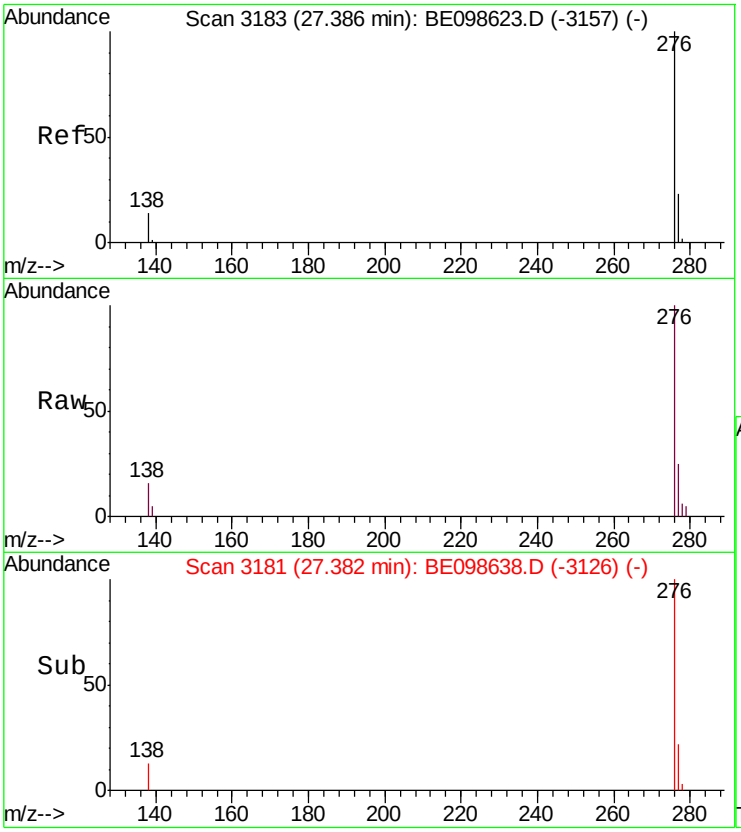


#38
Dibenzo(a,h)anthracene
Concen: 0.283 ng
RT: 26.60 min Scan# 2961
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Tgt Ion:278 Resp: 4678

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.7	19.1
279	30.0	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.288 ng
RT: 27.38 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE098638.D
Acq: 16 Jan 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tgt Ion:276 Resp: 5212

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.3	30.5
138	16.1	13.3	19.9