Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011619\
Data File : BE098639.D
Acq On : 16 Jan 2019 19:40
Operator : SJ/JU
Sample : PB116433BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB116433BSD

Quant Time: Jan 17 00:16:39 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	1012	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	4011	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	2286	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	4926	0.40	ng		0.00
27) Chrysene-d12	21.42	240	6411	0.40	ng		0.00
34) Perylene-d12	23.93	264	6812	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	645	0.24	ng		0.02
5) Phenol-d6	7.00	99	887	0.23	ng		0.00
8) Nitrobenzene-d5	8.98	82	754	0.24	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	1679	0.25	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	209	0.21	ng		0.01
15) 2-Fluorobiphenyl	13.10	172	1947	0.21	ng		0.01
25) Fluoranthene-d10	19.26	212	14733	0.24	ng		0.00
29) Terphenyl-d14	19.86	244	2689	0.19	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	370	0.165	ng	#	72
3) n-Nitrosodimethylamine	3.65	42	415	0.321	ng	#	99
6) bis(2-Chloroethyl)ether	7.23	93	582	0.200	ng		98
9) Naphthalene	10.65	128	9736	0.244	ng		99
10) Hexachlorobutadiene	10.94	225	663	0.232	ng		94
12) 2-Methylnaphthalene	12.28	142	1494	0.226	ng		96
16) Acenaphthylene	14.20	152	2357	0.238	ng		100
17) Acenaphthene	14.54	154	1406	0.226	ng		100
18) Fluorene	15.51	166	1843	0.228	ng		97
20) 4-Bromophenyl-phenylether	16.42	248	577	0.221	ng	#	83
21) Hexachlorobenzene	16.53	284	703	0.223	ng		96
22) Pentachlorophenol	16.89	266	344	0.468	ng		91
23) Phenanthrene	17.27	178	2760	0.236	ng		98
24) Anthracene	17.36	178	2293	0.229	ng		98
26) Fluoranthene	19.29	202	3539	0.236	ng		99
28) Pyrene	19.65	202	3633	0.206	ng		99
30) Benzo(a)anthracene	21.39	228	4200	0.244	ng		97
31) Chrysene	21.45	228	4408	0.247	ng		98
32) Bis(2-ethylhexyl)phthalate	21.32	149	6536	0.179	ng		100
33) Indeno(1,2,3-cd)pyrene	26.58	276	5259	0.285	ng		99
35) Benzo(b)fluoranthene	23.15	252	4403	0.237	ng		99
36) Benzo(k)fluoranthene	23.21	252	4855	0.239	ng		95
37) Benzo(a)pyrene	23.81	252	4576	0.251	ng		99
38) Dibenzo(a,h)anthracene	26.60	278	4151	0.257	ng		97
39) Benzo(g,h,i)perylene	27.39	276	4715	0.266	ng		97

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

Quantitation Report (QT Reviewed)

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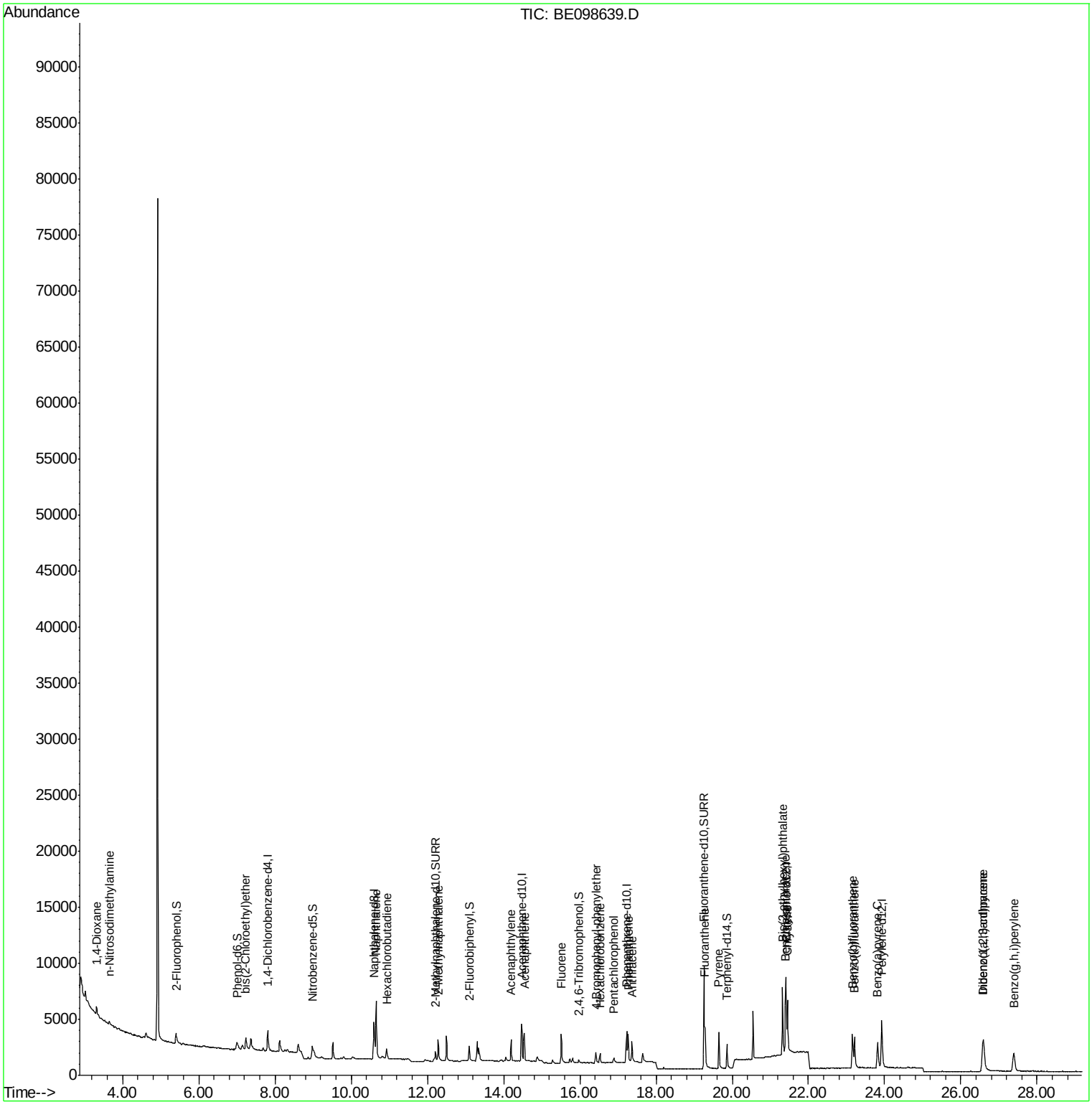
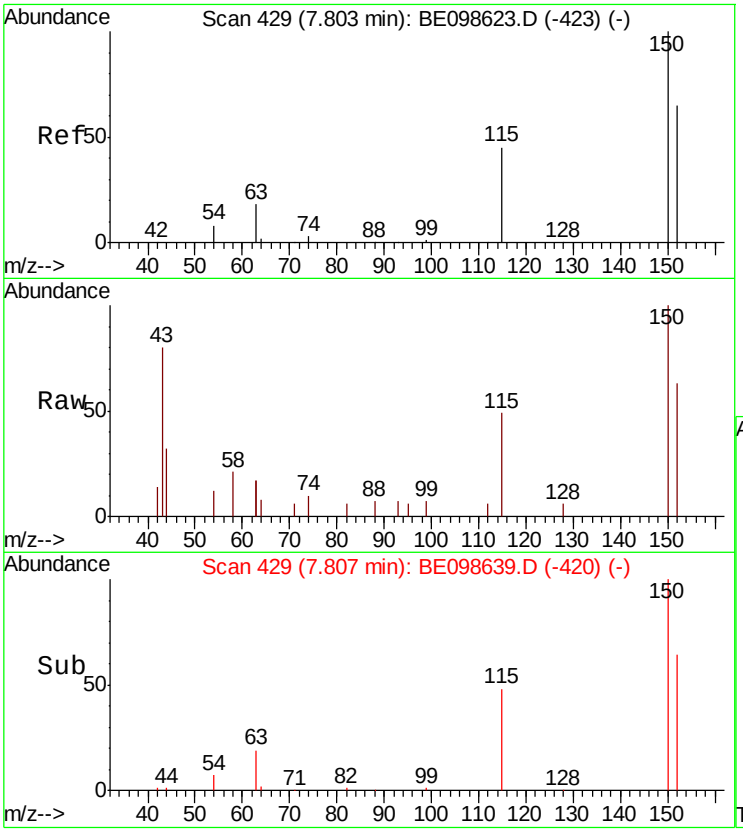
Data File : BE098639.D
Acq On : 16 Jan 2019 19:40
Operator : SJ/JU
Sample : PB116433BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Quant Time: Jan 17 00:16:39 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



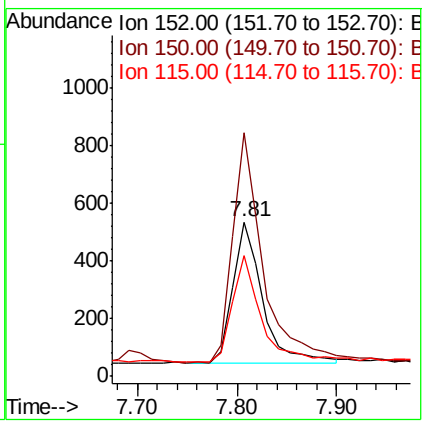


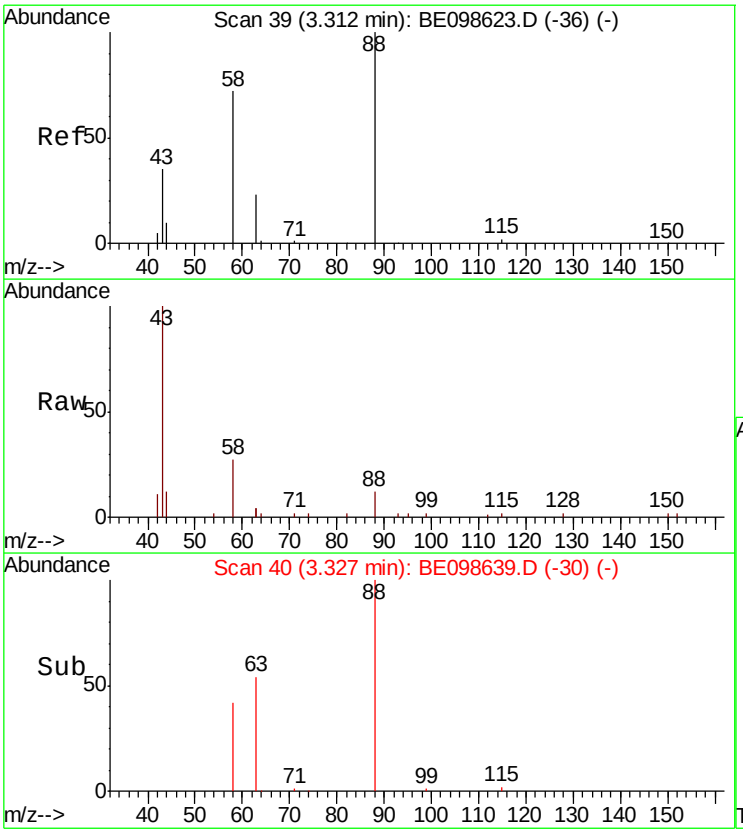
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:152 Resp: 1012

Ion	Ratio	Lower	Upper
152	100		
150	157.6	121.4	182.2
115	77.9	59.1	88.7

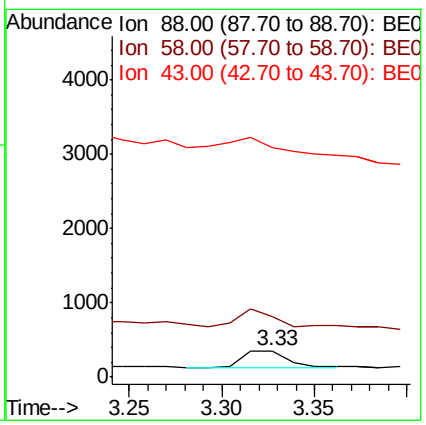


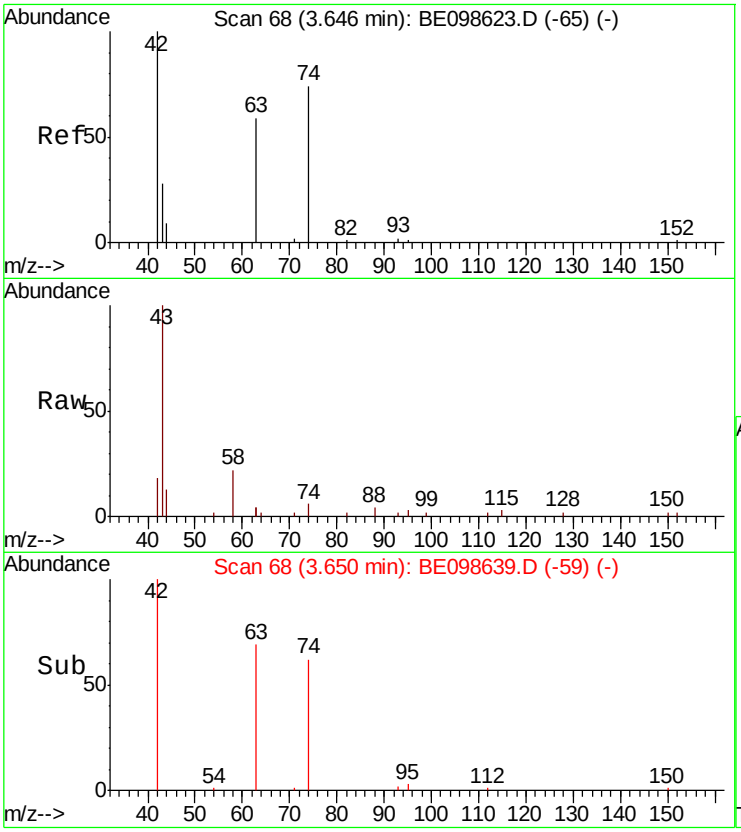


#2
1,4-Dioxane
Concen: 0.165 ng
RT: 3.33 min Scan# 40
Delta R.T. 0.02 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion: 88 Resp: 370

Ion	Ratio	Lower	Upper
88	100		
58	84.9	73.9	110.9
43	99.7	43.7	65.5#



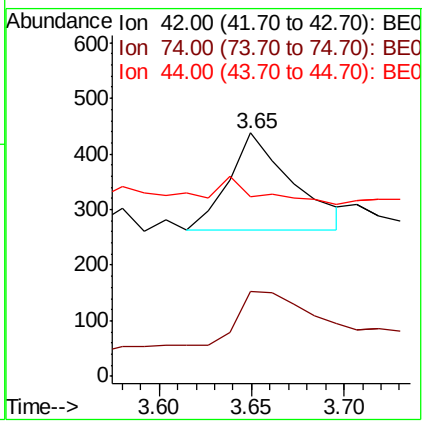


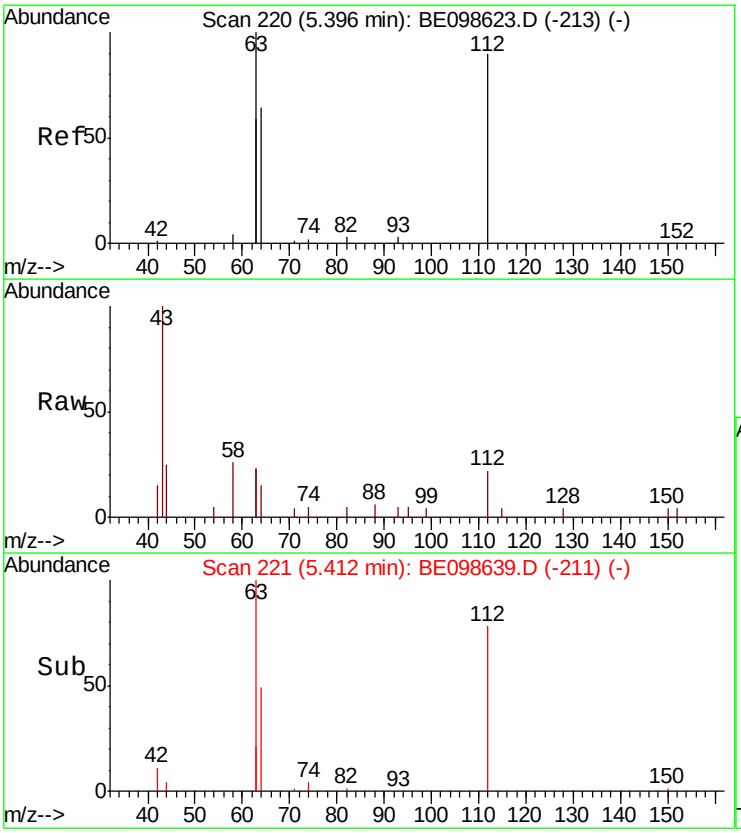
#3
n-Nitrosodimethylamine
Concen: 0.321 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion: 42 Resp: 415

Ion	Ratio	Lower	Upper
42	100		
74	72.5	58.9	88.3
44	21.0	0.0	0.0#

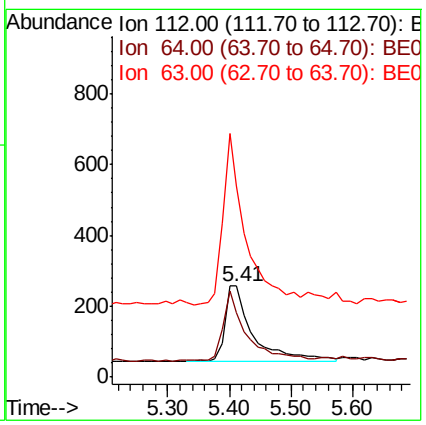


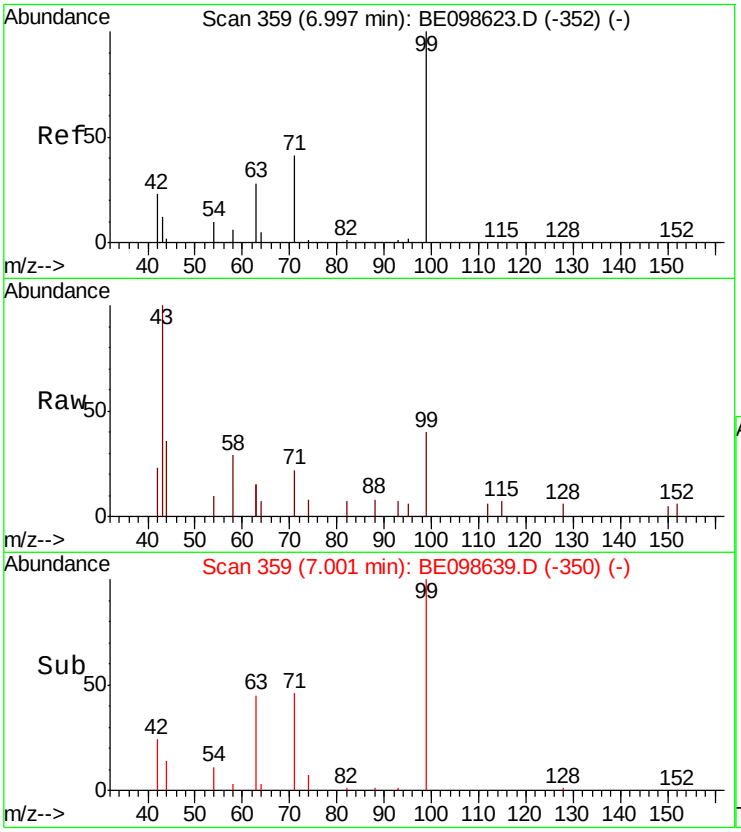


#4
2-Fluorophenol
Concen: 0.239 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.02 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:112 Resp: 645

Ion	Ratio	Lower	Upper
112	100		
64	78.6	62.9	94.3
63	191.6	152.2	228.4



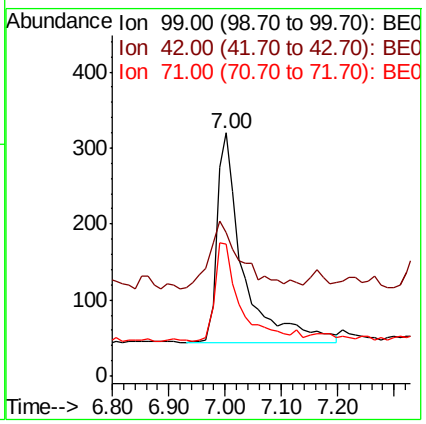


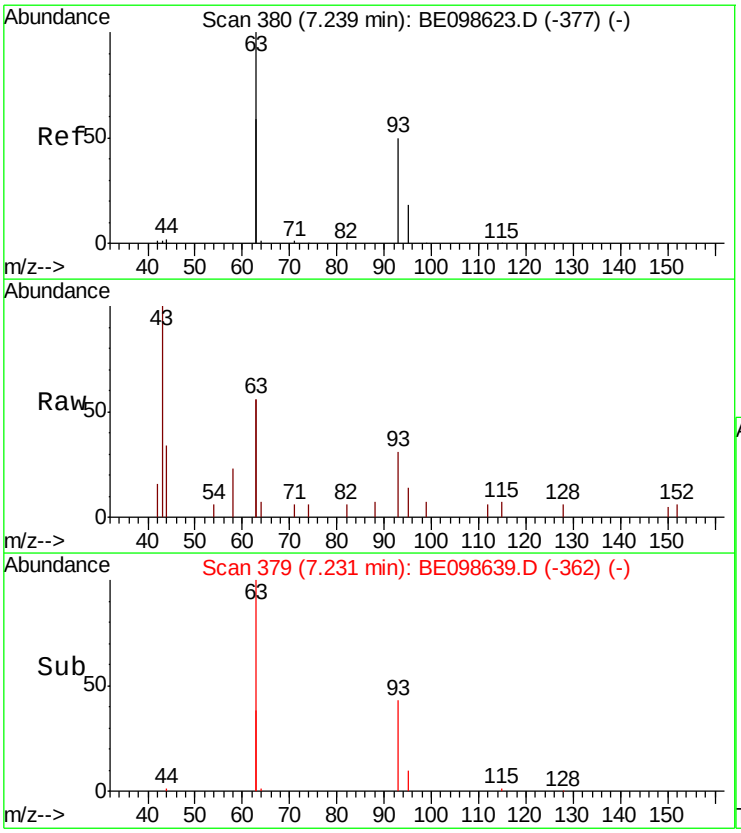
#5
Phenol-d6
Concen: 0.231 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion: 99 Resp: 887

Ion	Ratio	Lower	Upper
99	100		
42	40.4	24.6	37.0#
71	44.3	35.1	52.7

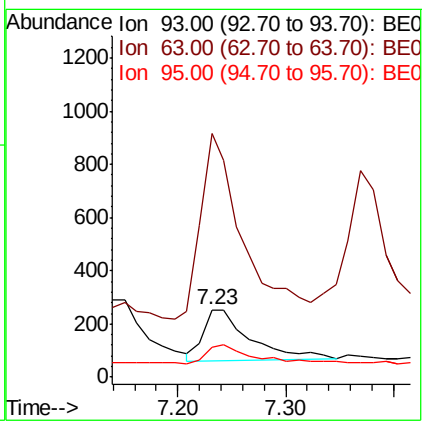


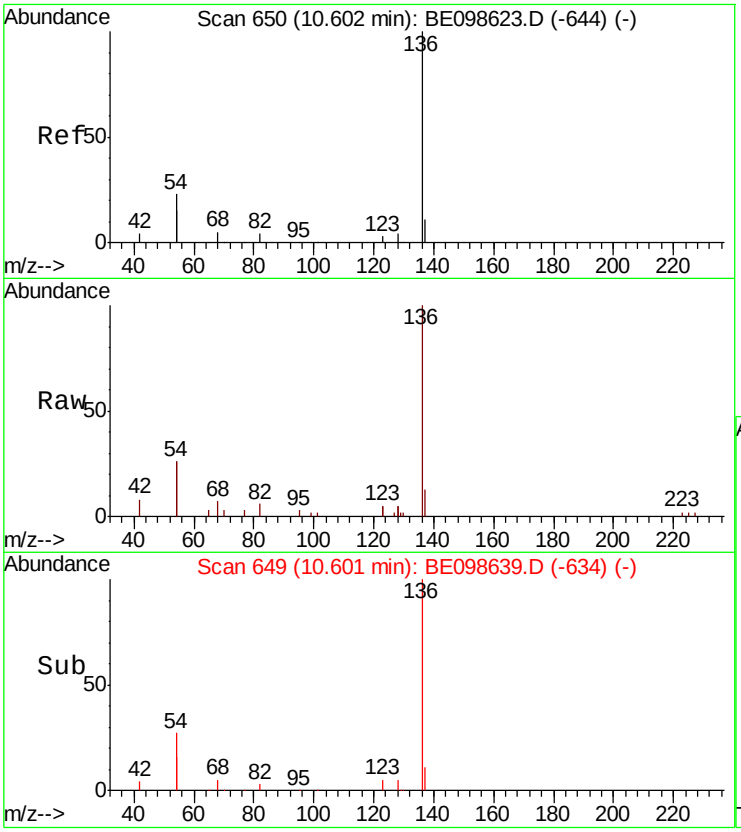


#6
bis(2-Chloroethyl)ether
Concen: 0.200 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion: 93 Resp: 582

Ion	Ratio	Lower	Upper
93	100		
63	330.8	267.3	400.9
95	36.9	26.2	39.4



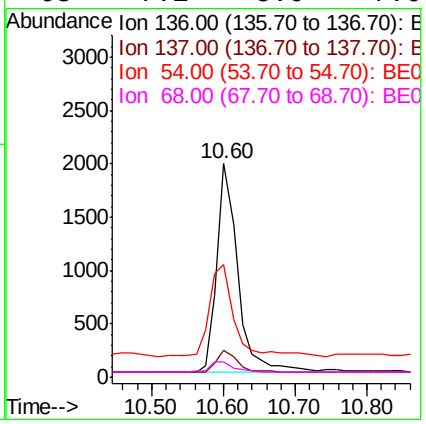


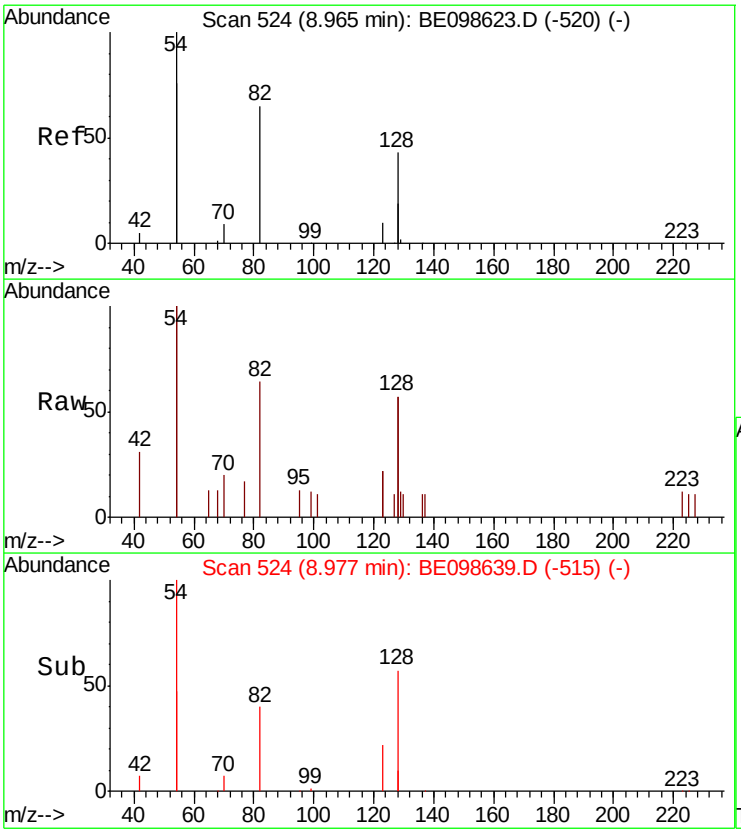
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:136 Resp: 4011

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.7	14.5
54	52.6	35.5	53.3
68	7.1	5.0	7.6

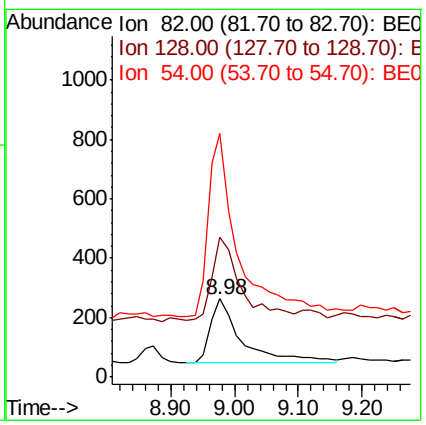


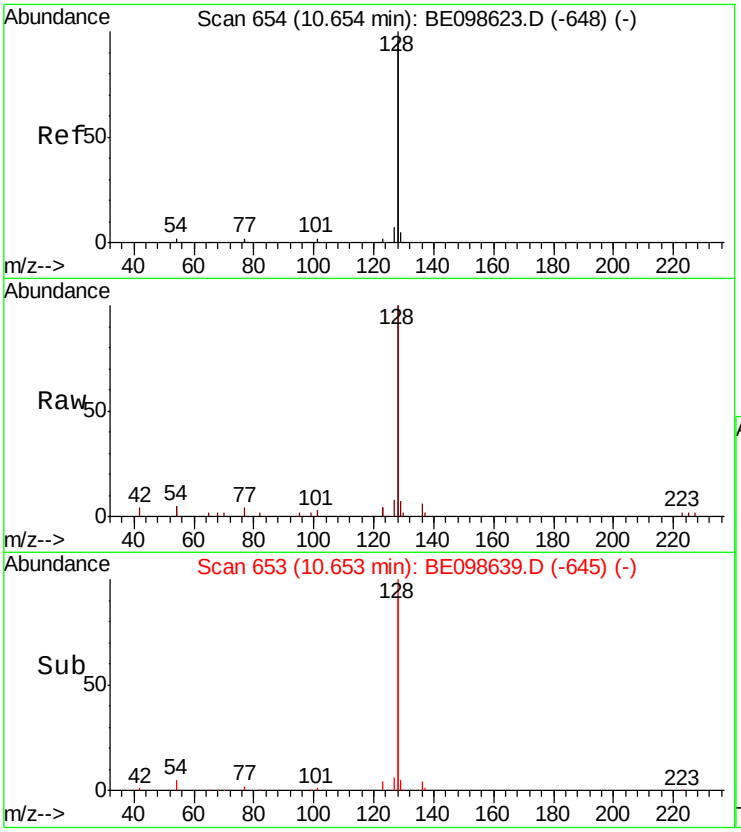


#8
Nitrobenzene-d5
Concen: 0.237 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion: 82 Resp: 754

Ion	Ratio	Lower	Upper
82	100		
128	179.4	96.5	144.7#
54	313.0	224.7	337.1



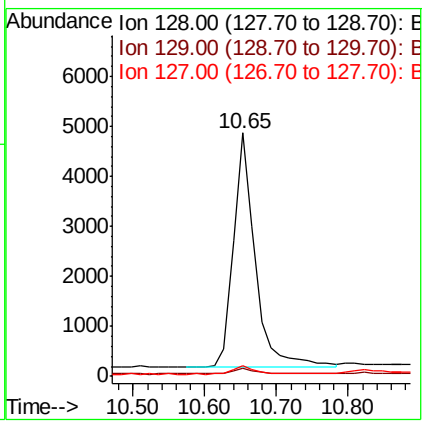


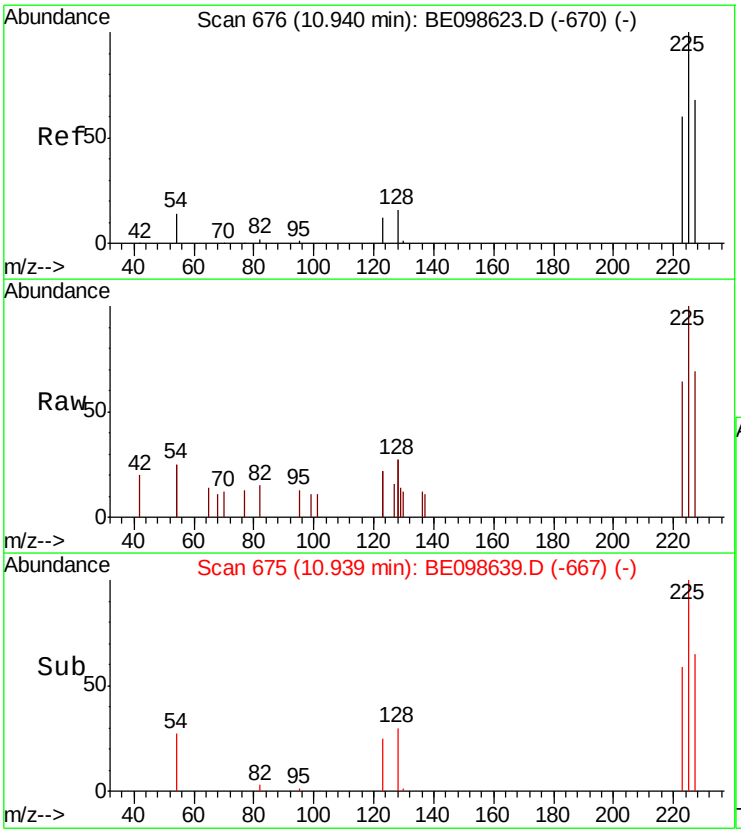
#9
Naphthalene
Concen: 0.244 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:128 Resp: 9736

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

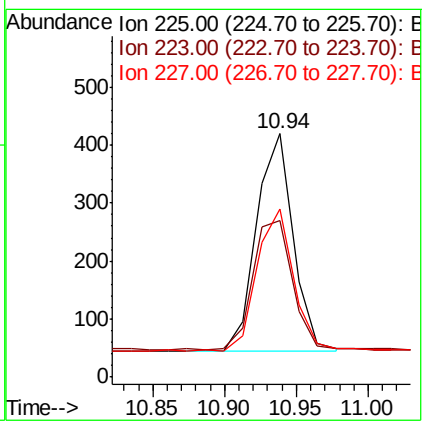


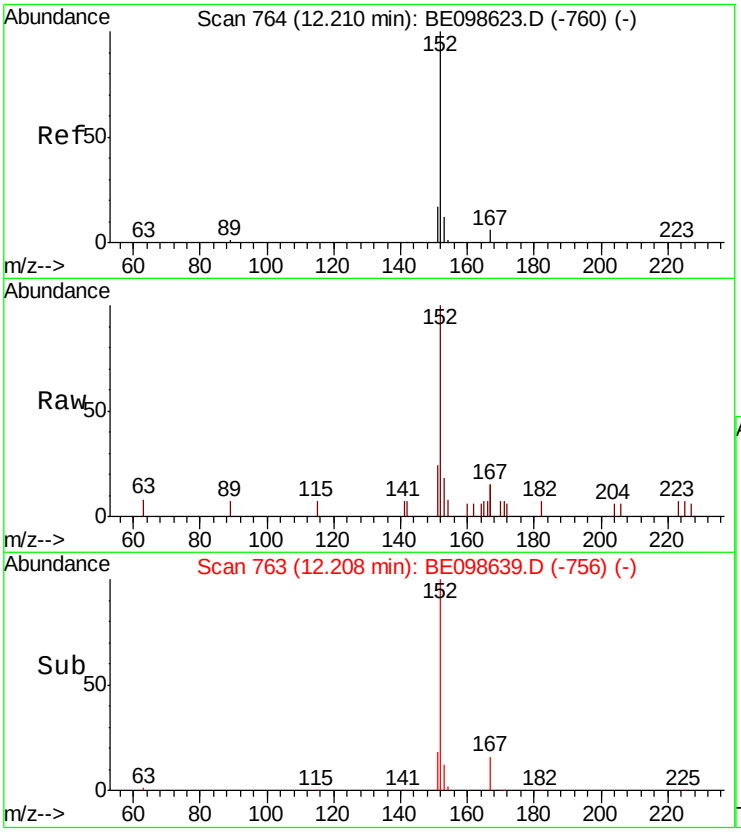


#10
Hexachlorobutadiene
Concen: 0.232 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:225 Resp: 663

Ion	Ratio	Lower	Upper
225	100		
223	65.9	47.8	71.8
227	66.2	50.5	75.7



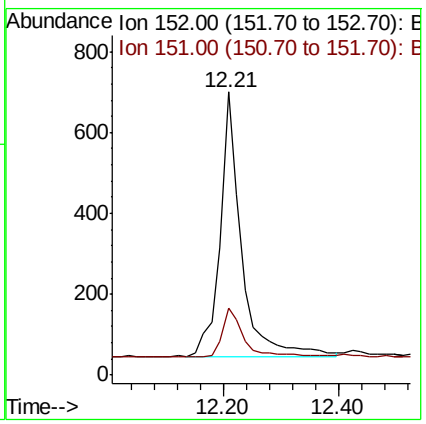


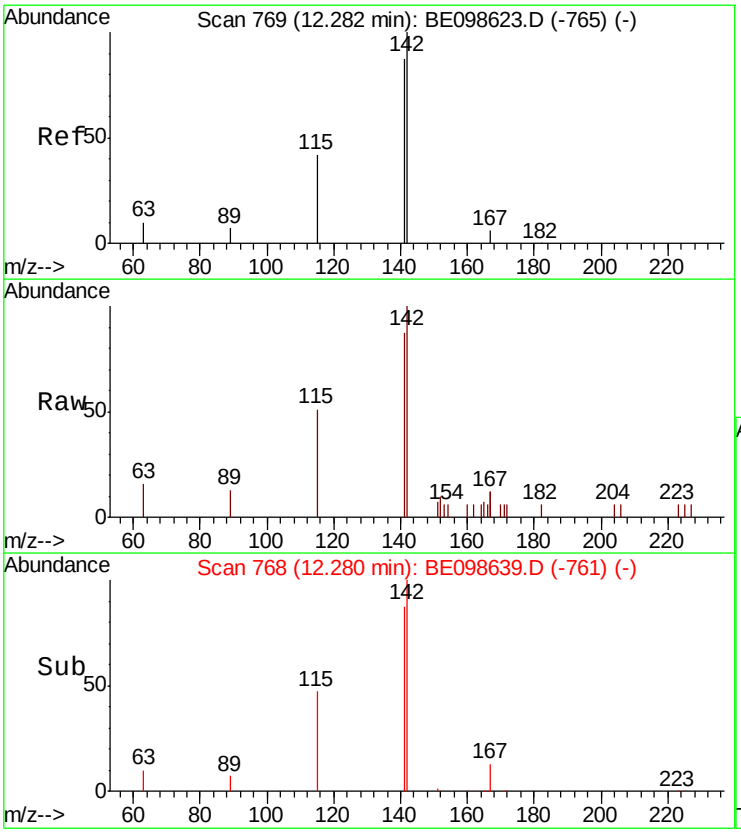
#11
2-Methylnaphthalene-d10
Concen: 0.254 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:152 Resp: 1679

Ion	Ratio	Lower	Upper
152	100		
151	17.9	16.2	24.4

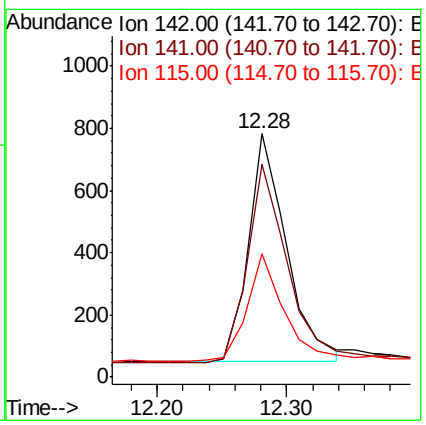


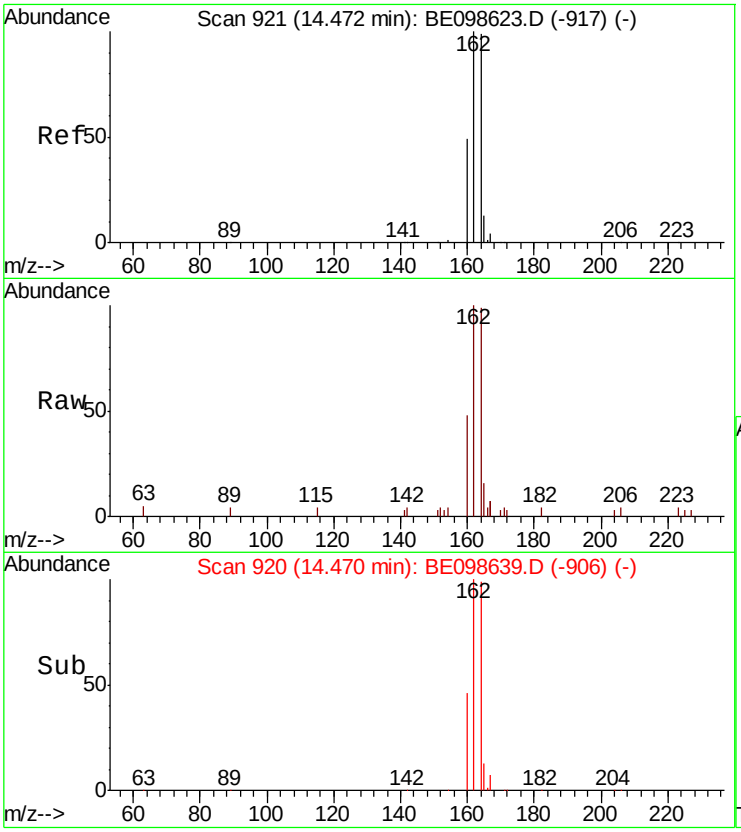


#12
2-Methylnaphthalene
Concen: 0.226 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:142 Resp: 1494

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.0	105.0
115	50.7	35.2	52.8



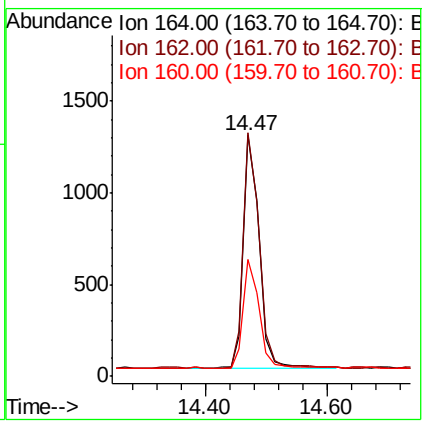


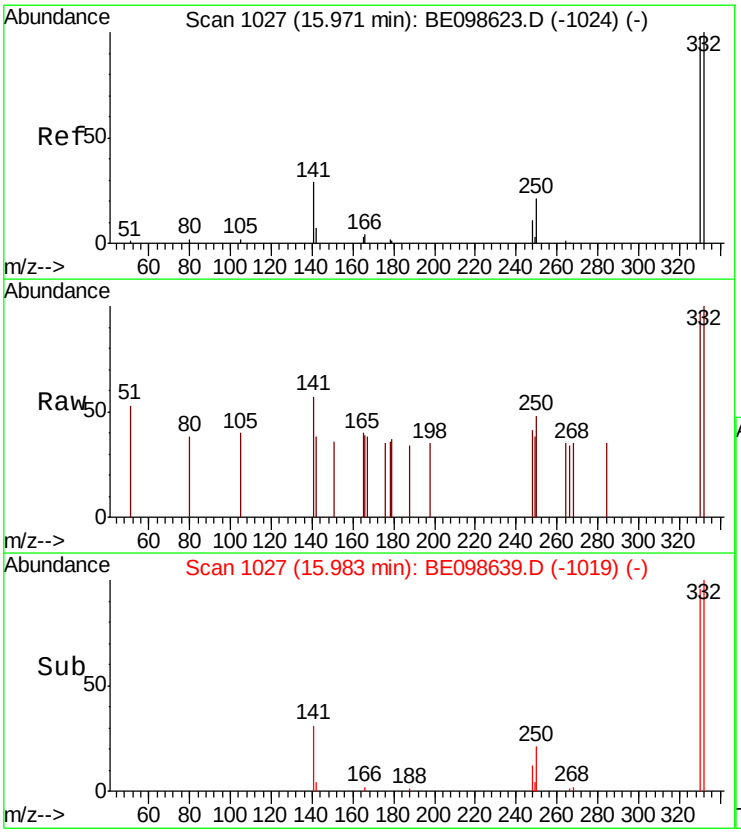
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:164 Resp: 2286

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.5	120.7
160	48.6	40.1	60.1

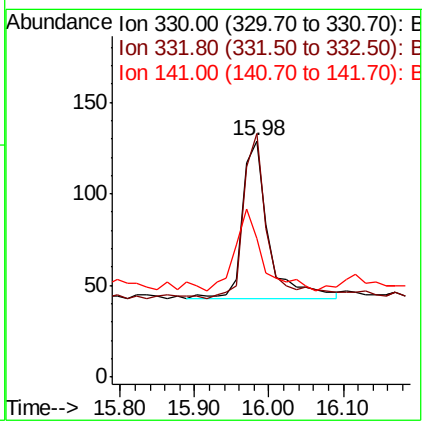


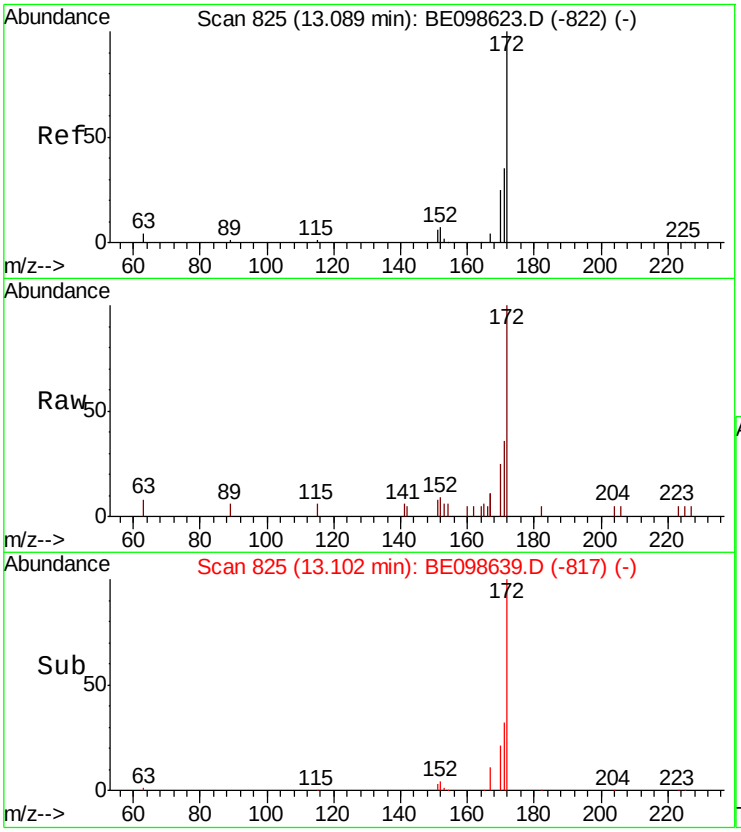


#14
2,4,6-Tribromophenol
Concen: 0.210 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:330 Resp: 209

Ion	Ratio	Lower	Upper
330	100		
332	98.6	73.3	109.9
141	54.5	33.1	49.7#



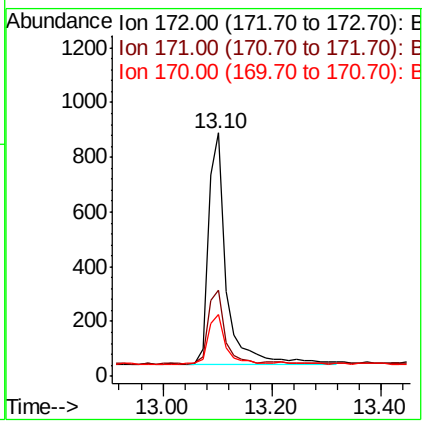


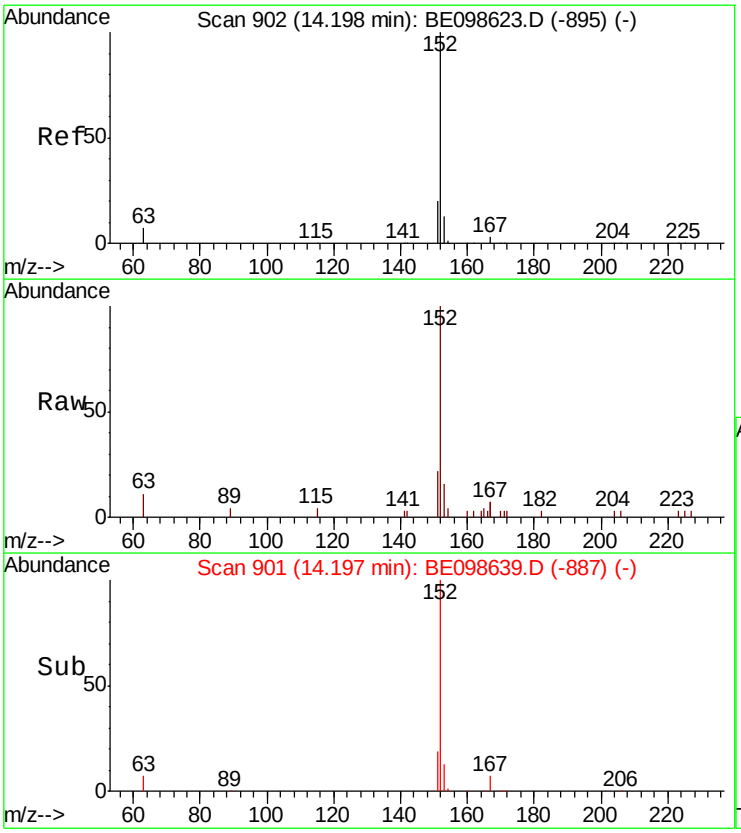
#15
2-Fluorobiphenyl
Concen: 0.208 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:172 Resp: 1947

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	25.2	20.8	31.2

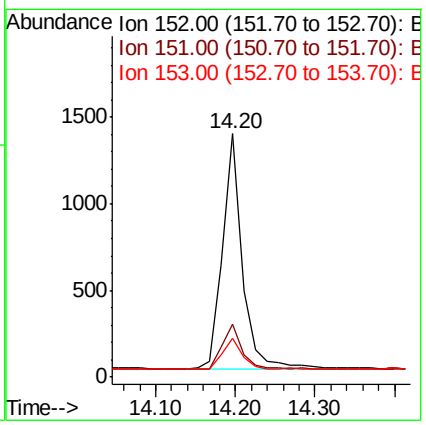


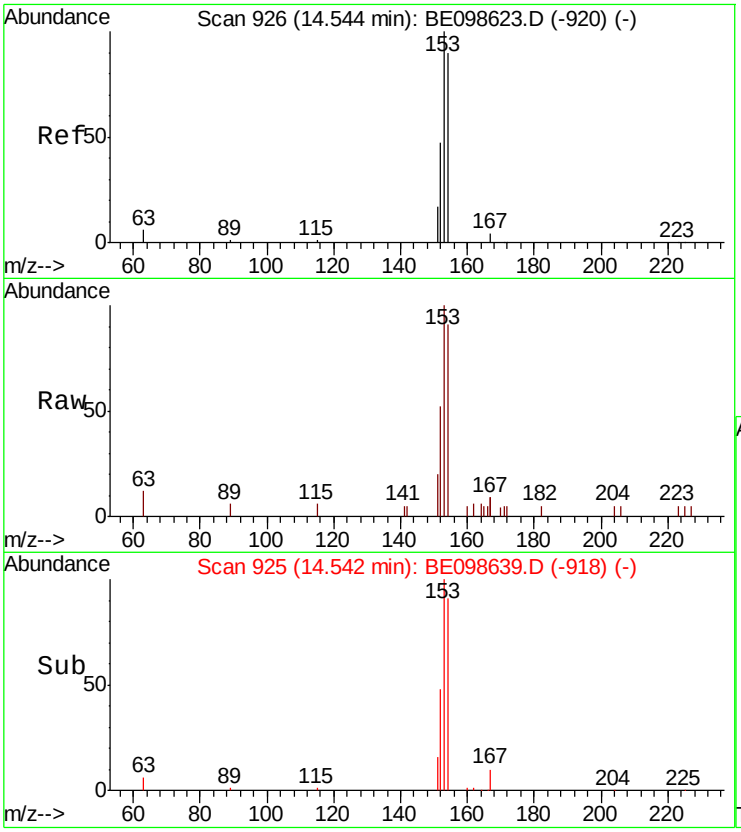


#16
Acenaphthylene
Concen: 0.238 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:152 Resp: 2357

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	12.9	10.7	16.1



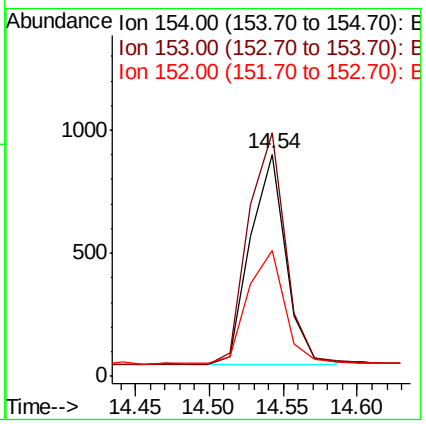


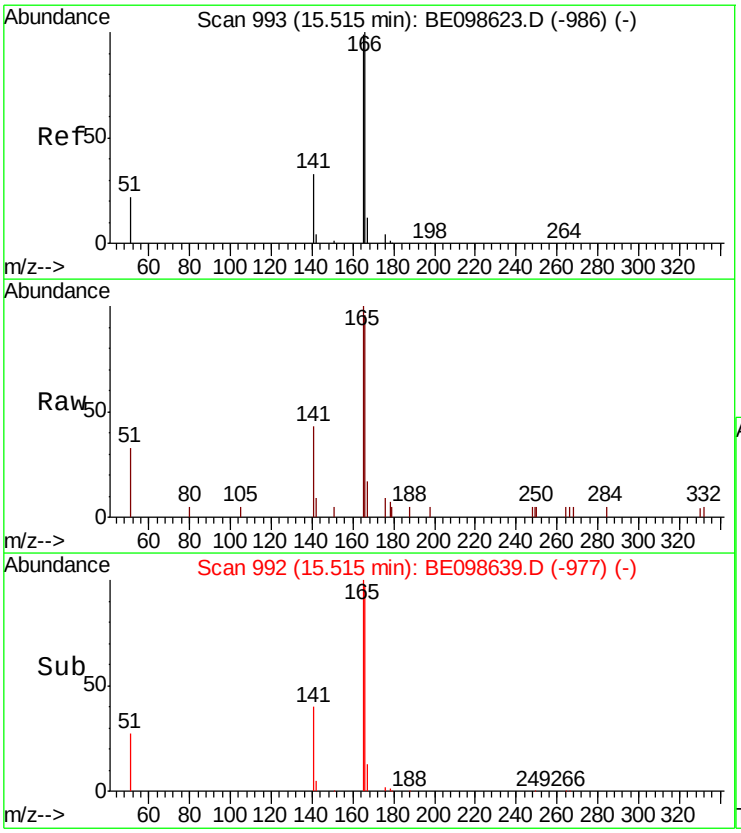
#17
Acenaphthene
Concen: 0.226 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:154 Resp: 1406

Ion	Ratio	Lower	Upper
154	100		
153	117.0	93.9	140.9
152	56.9	45.8	68.8

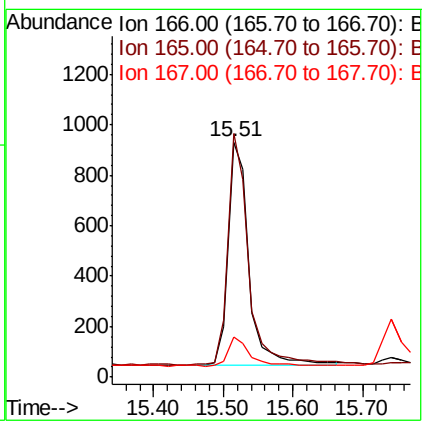


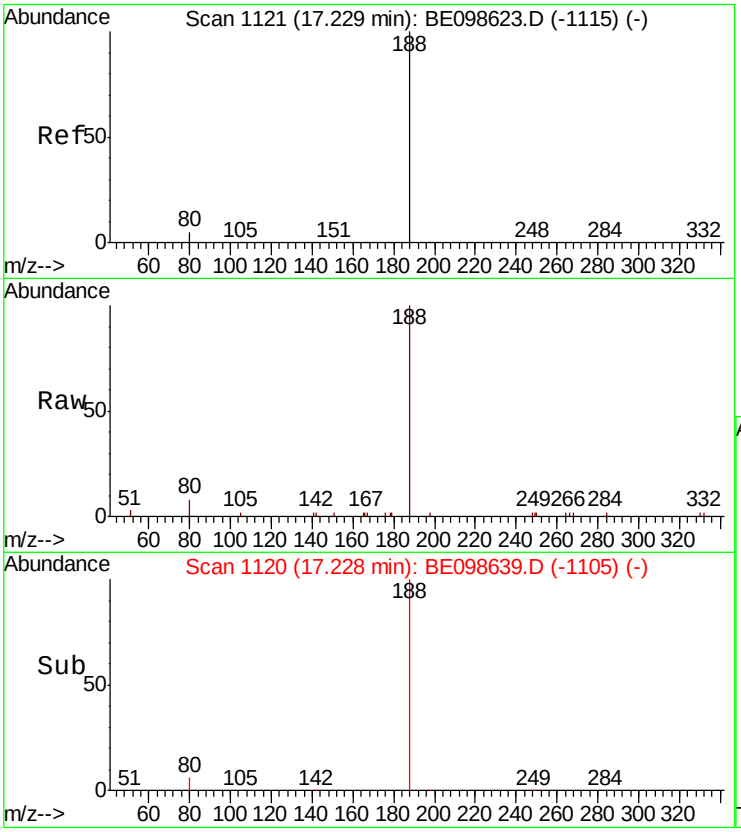


#18
Fluorene
Concen: 0.228 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:166 Resp: 1843

Ion	Ratio	Lower	Upper
166	100		
165	102.0	79.3	118.9
167	13.4	10.6	15.8



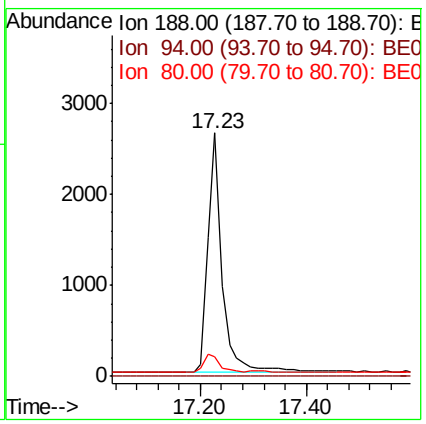


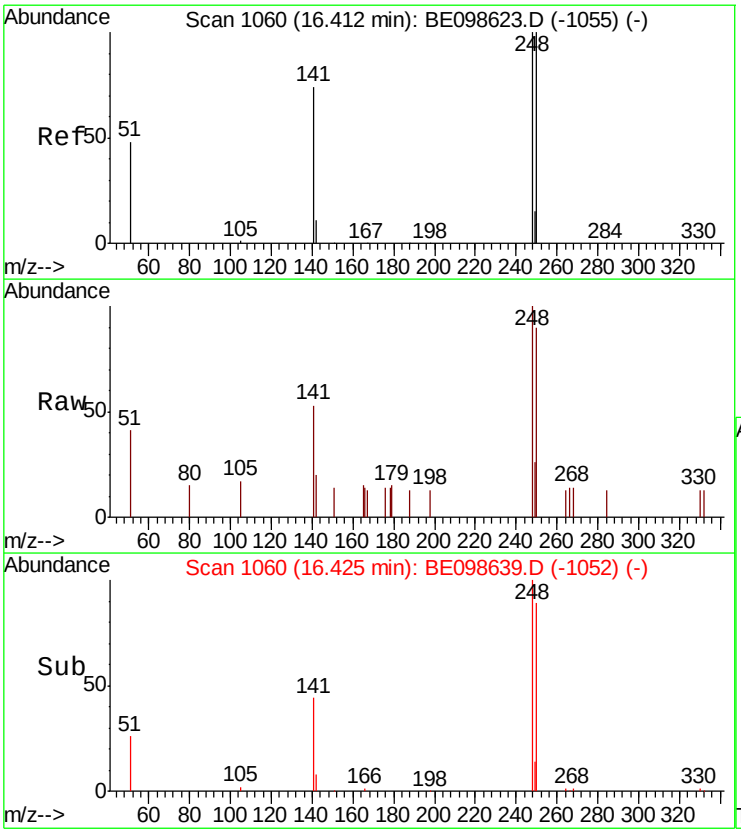
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:188 Resp: 4926

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	4.7	7.1#

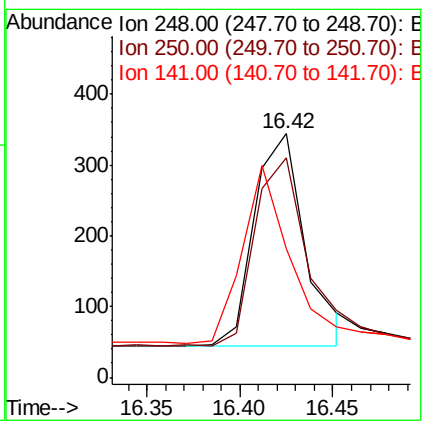


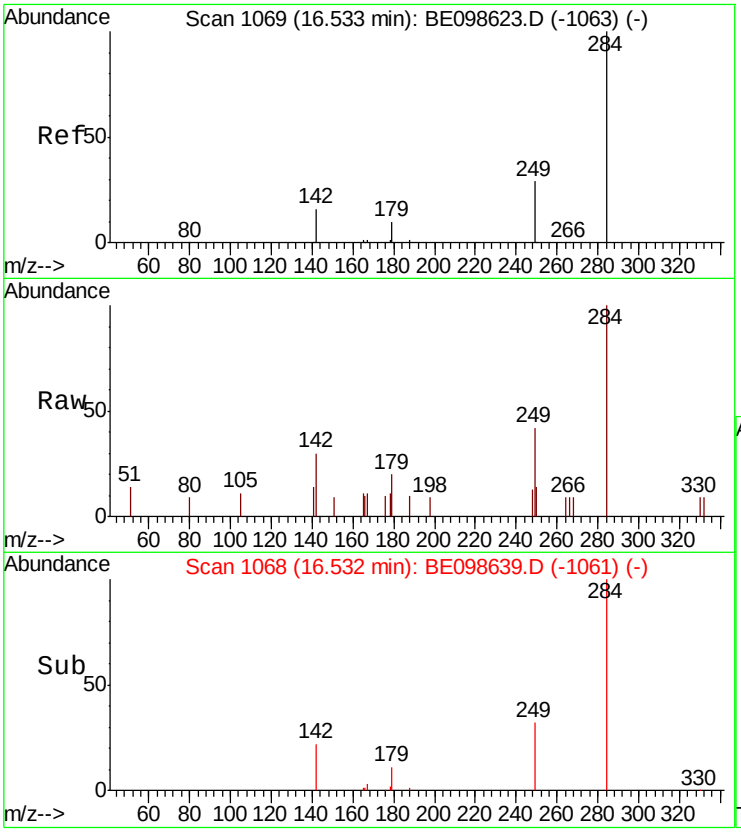


#20
4-Bromophenyl-phenylether
Concen: 0.221 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:248 Resp: 577

Ion	Ratio	Lower	Upper
248	100		
250	90.4	80.2	120.4
141	52.6	60.5	90.7#



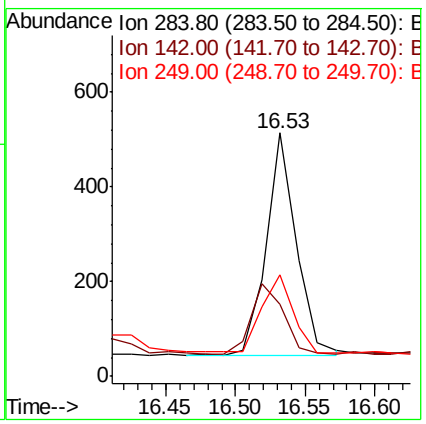


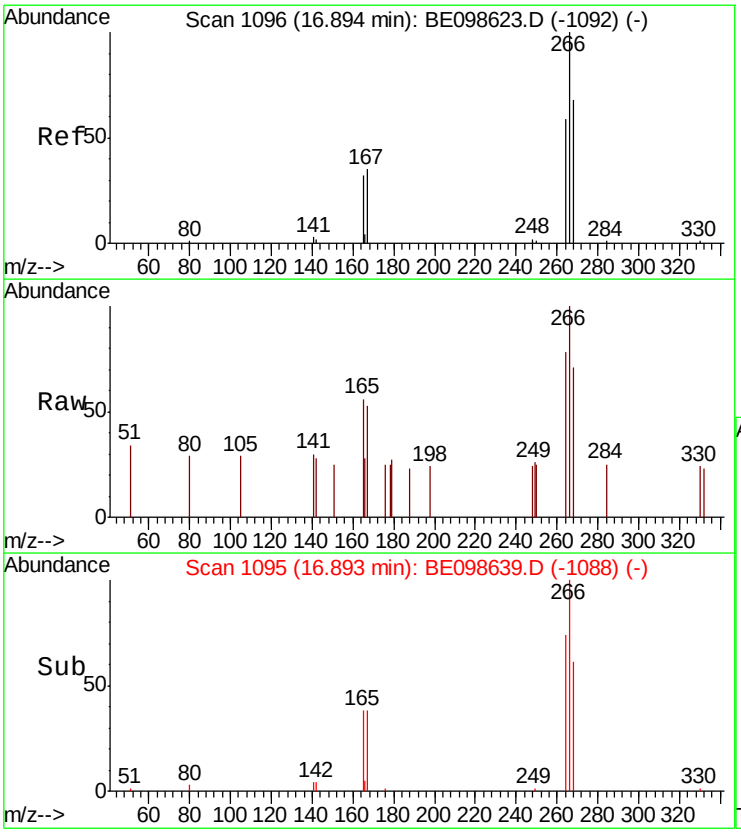
#21
Hexachlorobenzene
Concen: 0.223 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:284 Resp: 703

Ion	Ratio	Lower	Upper
284	100		
142	33.3	25.5	38.3
249	36.1	26.6	39.8

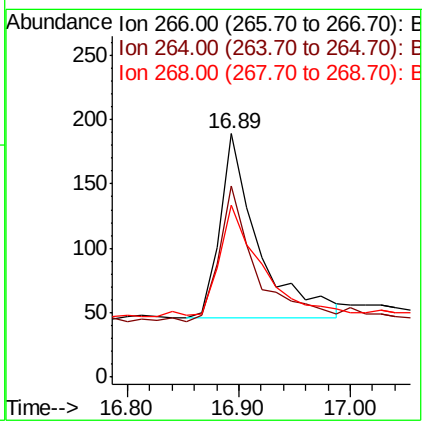


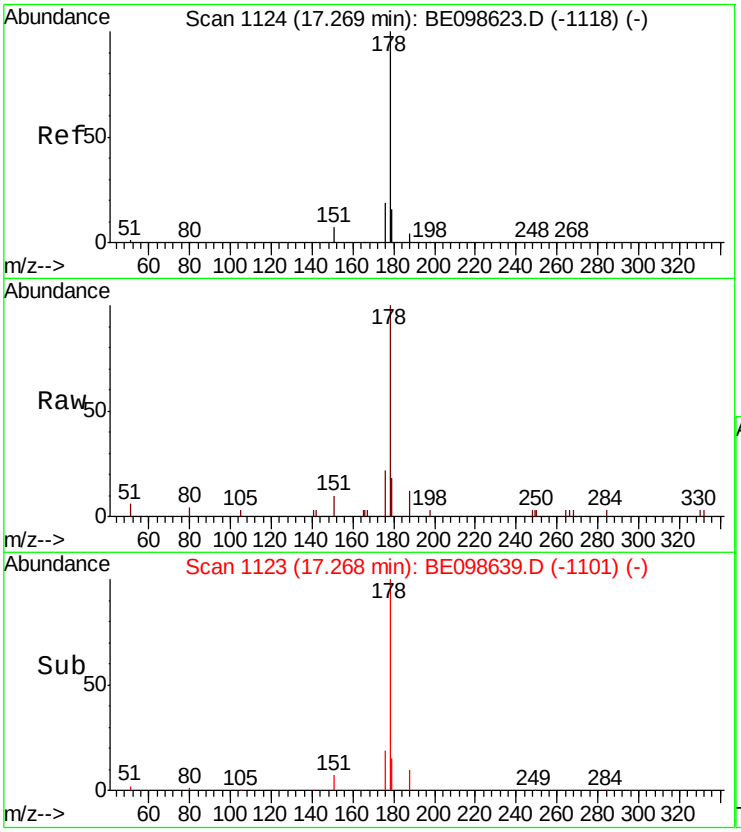


#22
Pentachlorophenol
Concen: 0.468 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:266 Resp: 344

Ion	Ratio	Lower	Upper
266	100		
264	78.3	53.7	80.5
268	70.9	59.8	89.8



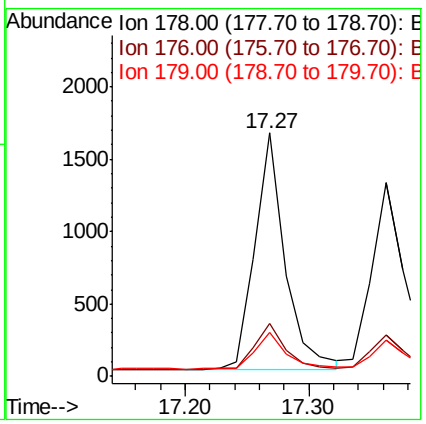


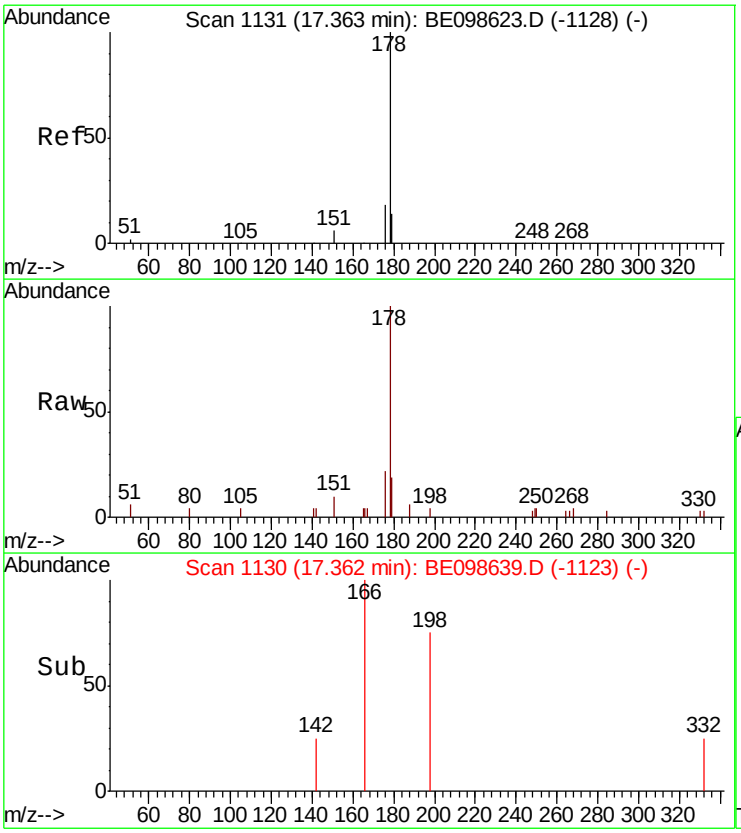
#23
Phenanthrene
Concen: 0.236 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:178 Resp: 2760

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	16.4	12.2	18.4

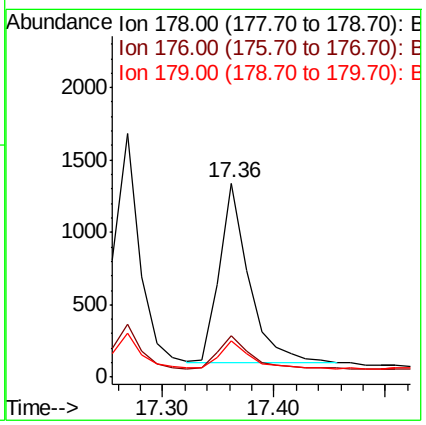


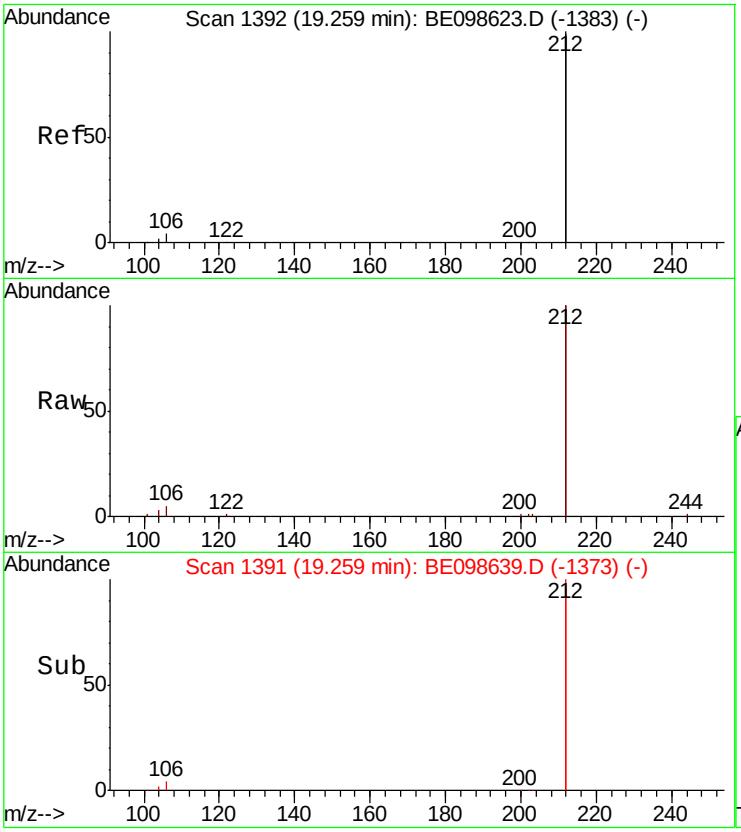


#24
Anthracene
Concen: 0.229 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:178 Resp: 2293

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.8	11.8	17.8



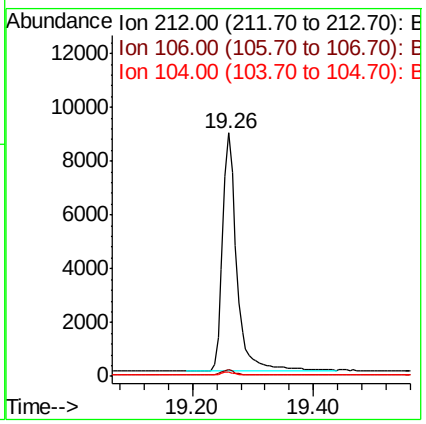


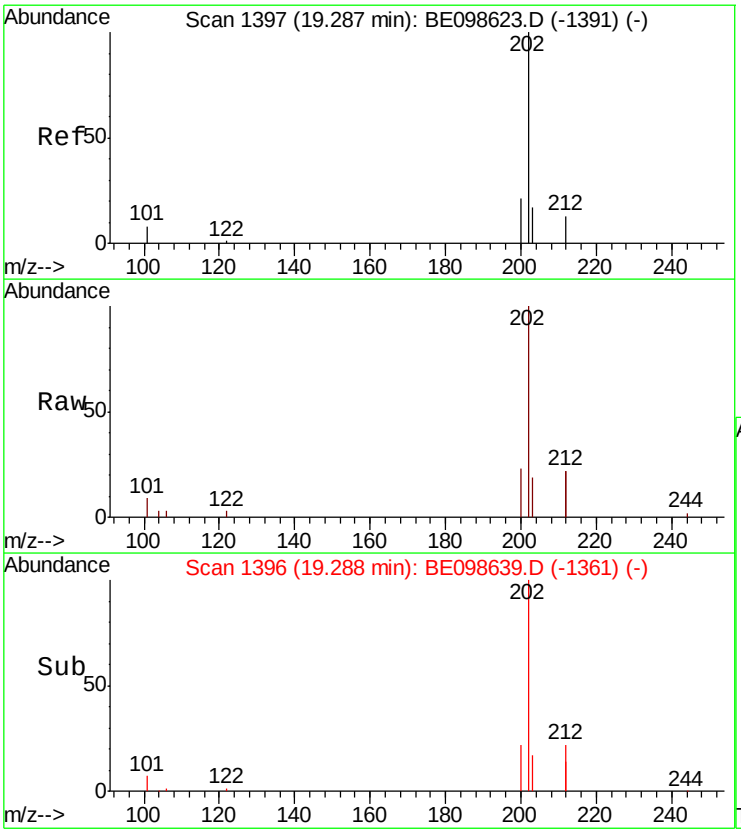
#25
Fluoranthene-d10
Concen: 0.241 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:212 Resp: 14733

Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.7	2.5
104	1.2	1.0	1.6

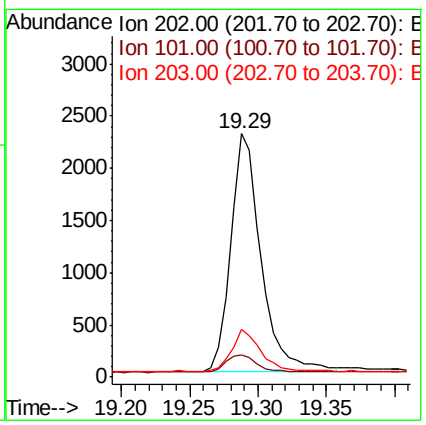


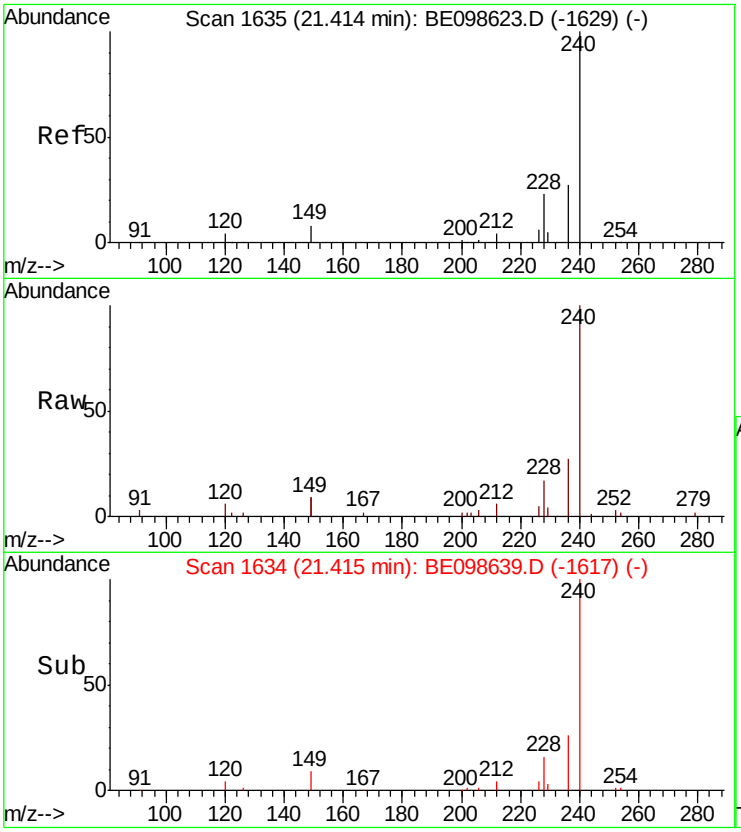


#26
Fluoranthene
Concen: 0.236 ng
RT: 19.29 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:202 Resp: 3539

Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.7	10.1
203	17.0	13.3	19.9



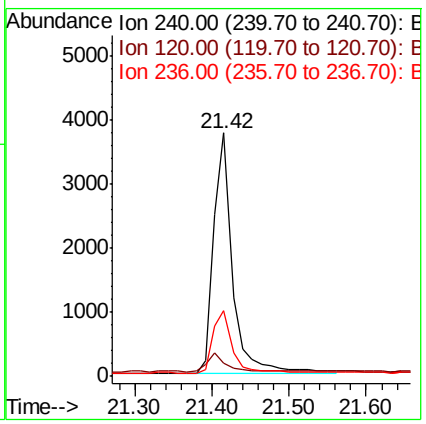


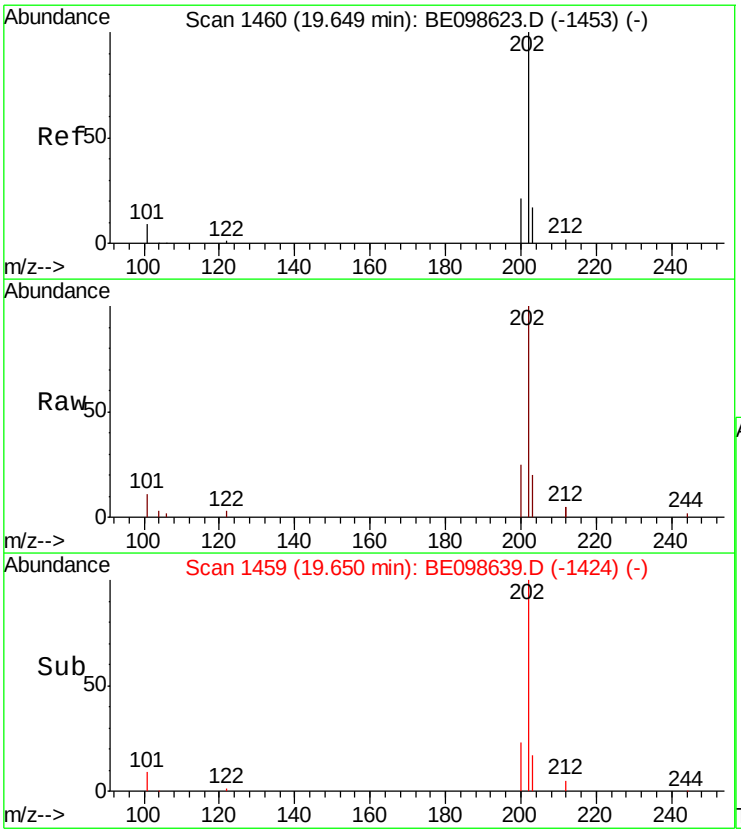
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:240 Resp: 6411

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.7	7.1
236	26.9	21.9	32.9

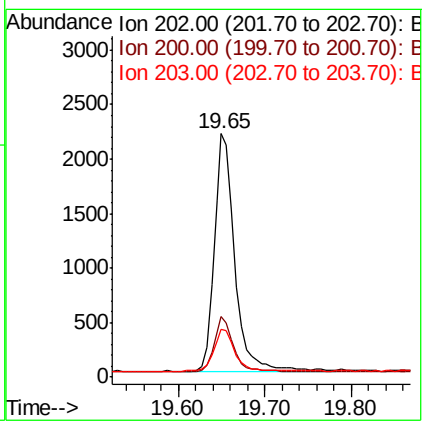


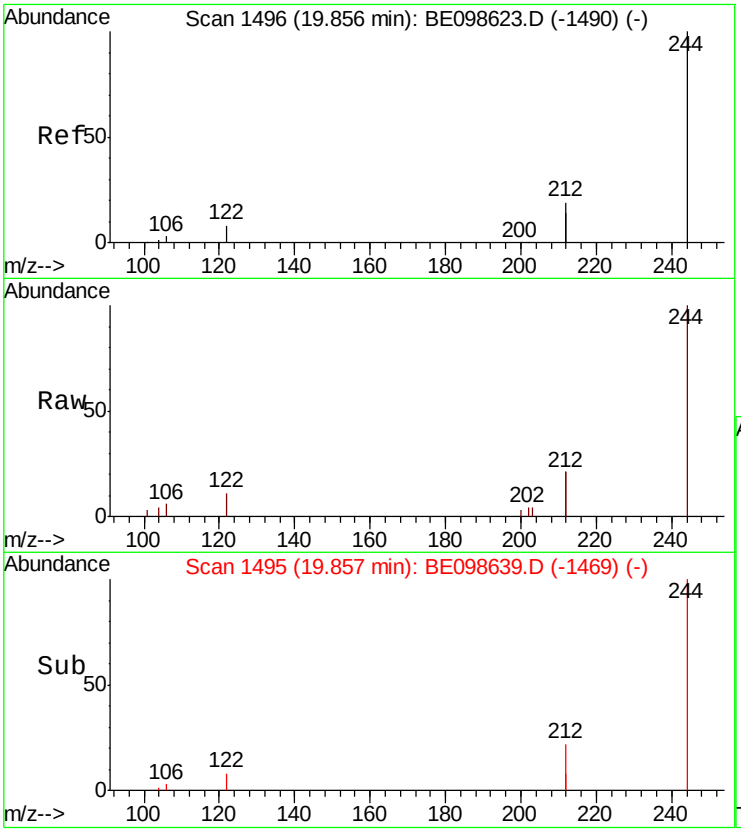


#28
Pyrene
Concen: 0.206 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:202 Resp: 3633

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.0	25.6
203	18.0	13.8	20.8



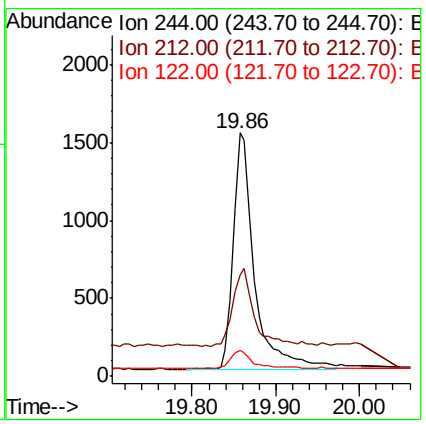


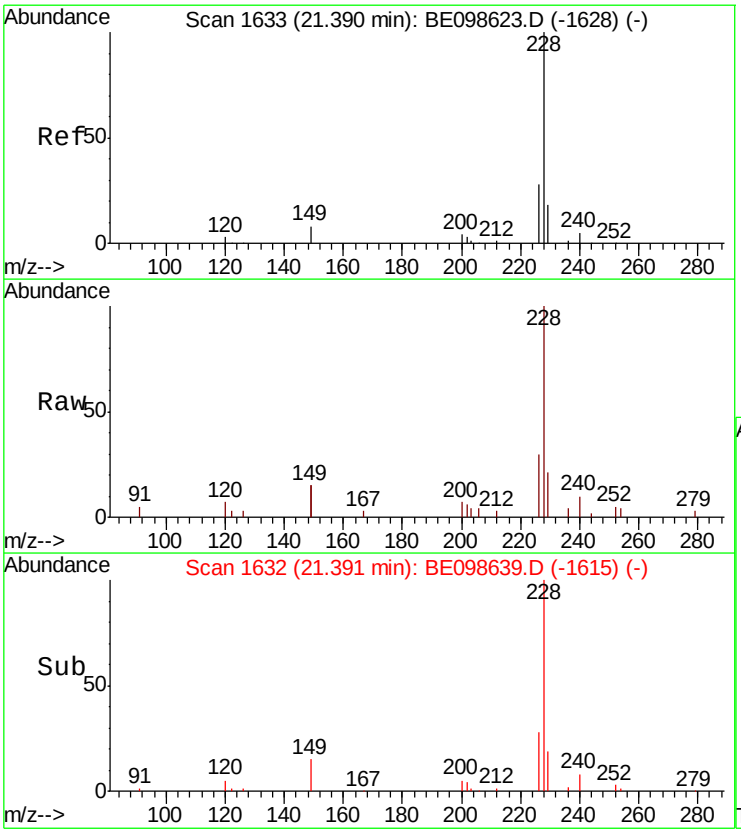
#29
Terphenyl-d14
Concen: 0.190 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:244 Resp: 2689

Ion	Ratio	Lower	Upper
244	100		
212	41.7	29.4	44.2
122	10.8	7.1	10.7#

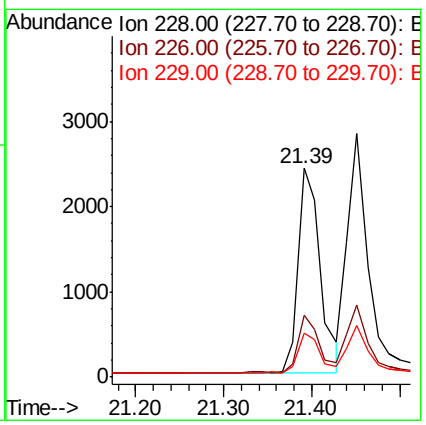


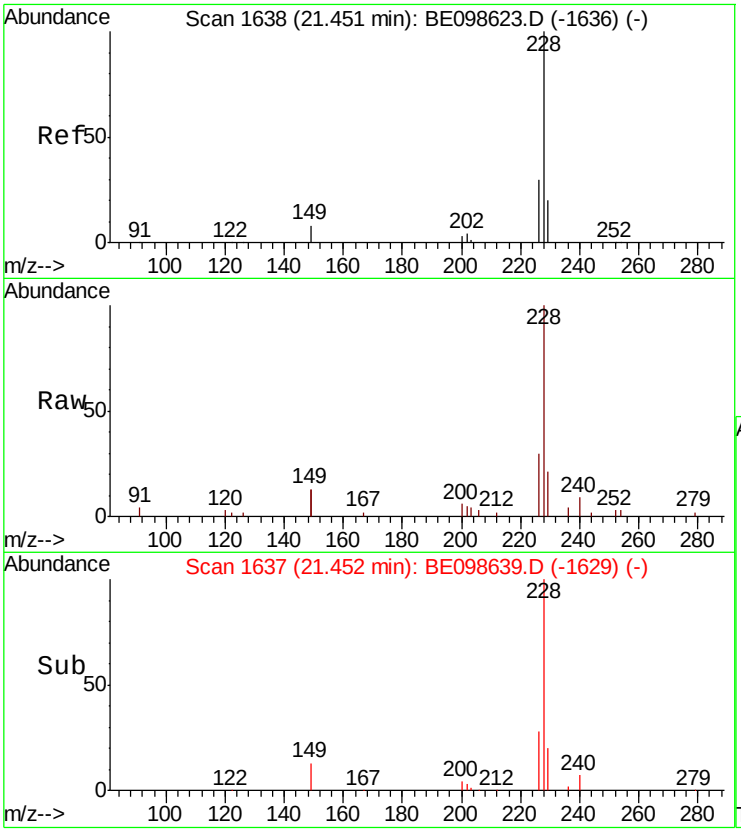


#30
Benzo(a)anthracene
Concen: 0.244 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:228 Resp: 4200

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.4
229	21.2	15.0	22.6



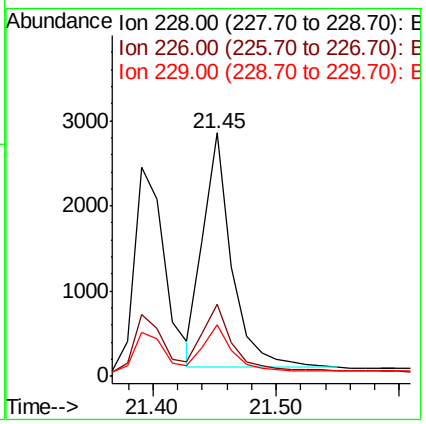


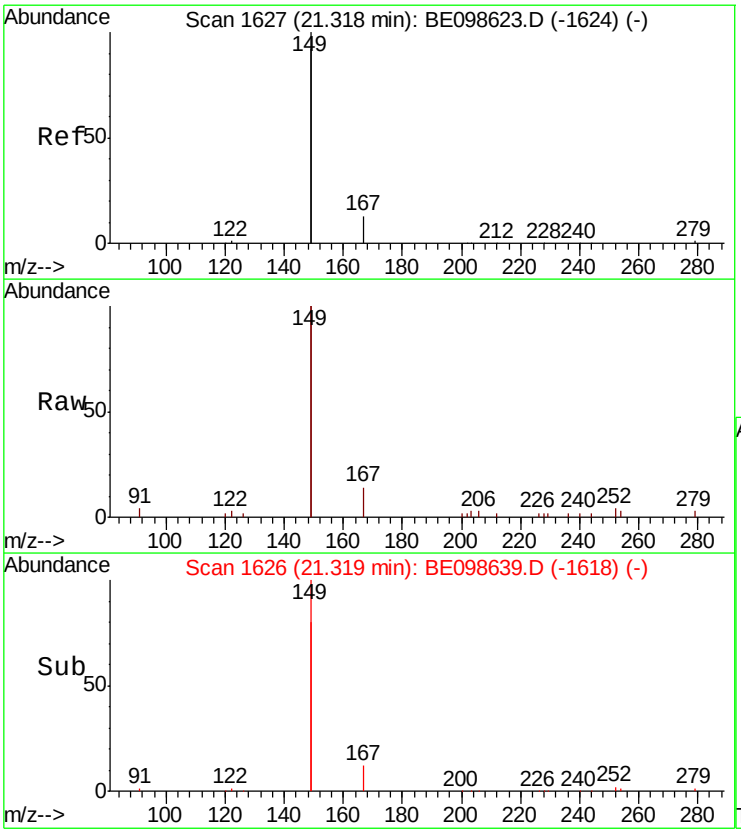
#31
Chrysene
Concen: 0.247 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:228 Resp: 4408

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	36.8
229	21.4	16.4	24.6

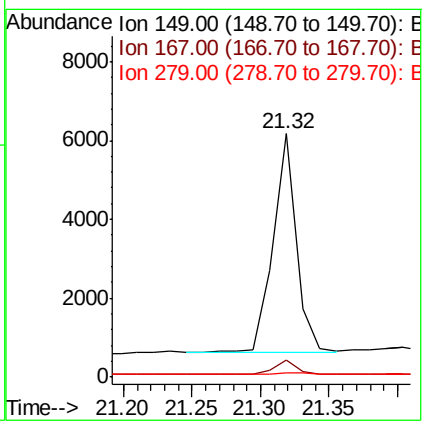


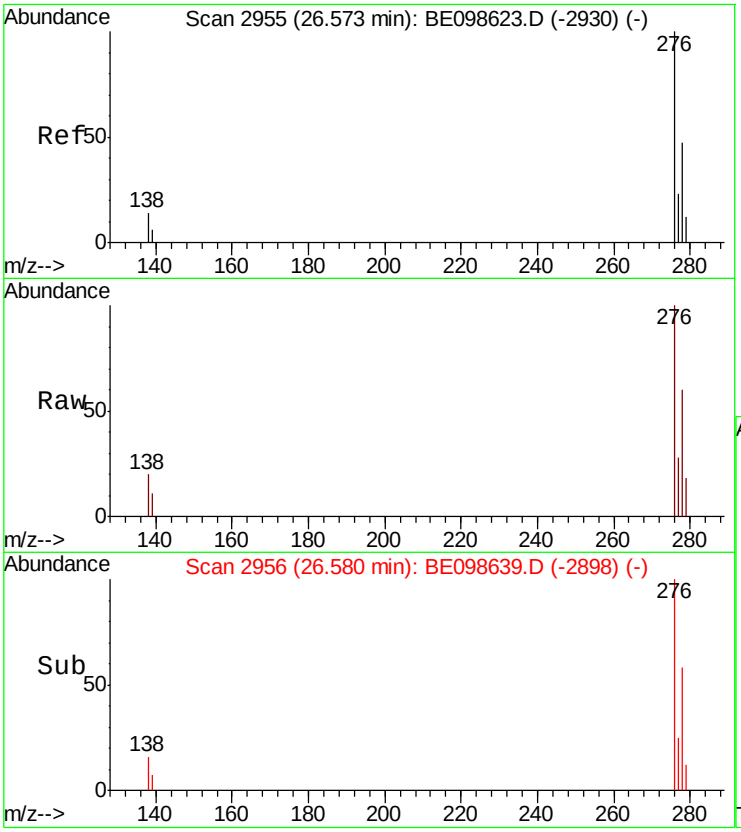


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.179 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:149 Resp: 6536

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.2
279	1.3	1.0	1.4



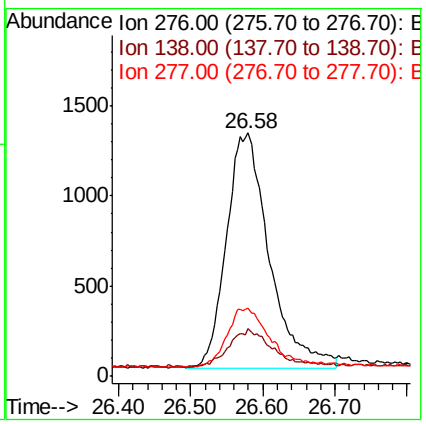


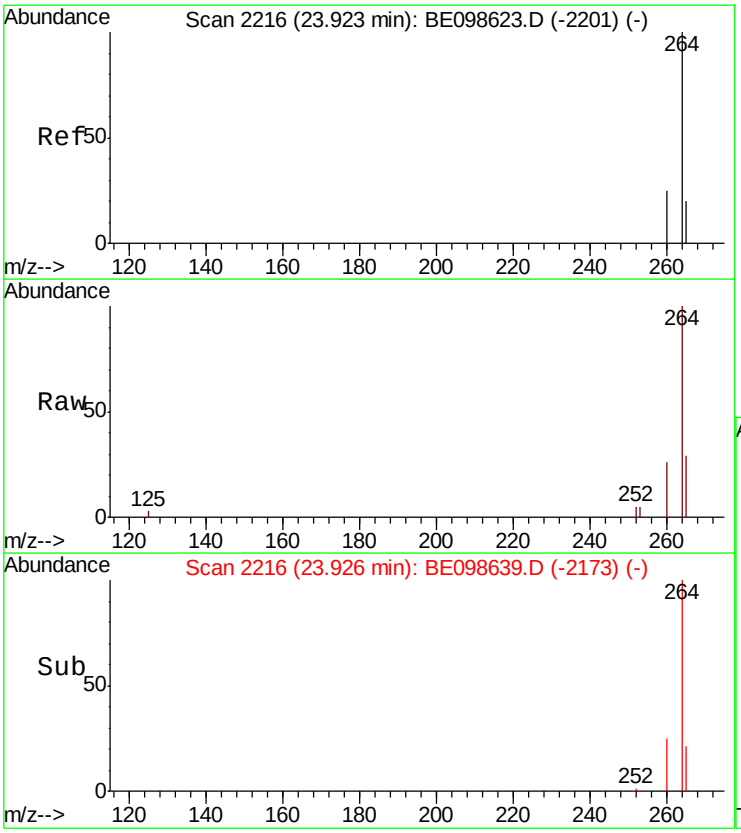
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.285 ng
RT: 26.58 min Scan# 2956
Delta R.T. 0.01 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:276 Resp: 5259

Ion	Ratio	Lower	Upper
276	100		
138	15.6	13.3	19.9
277	24.6	19.4	29.0

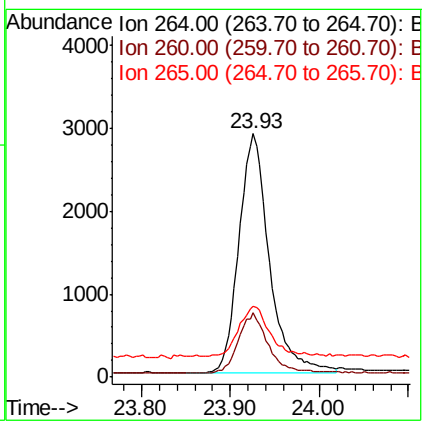


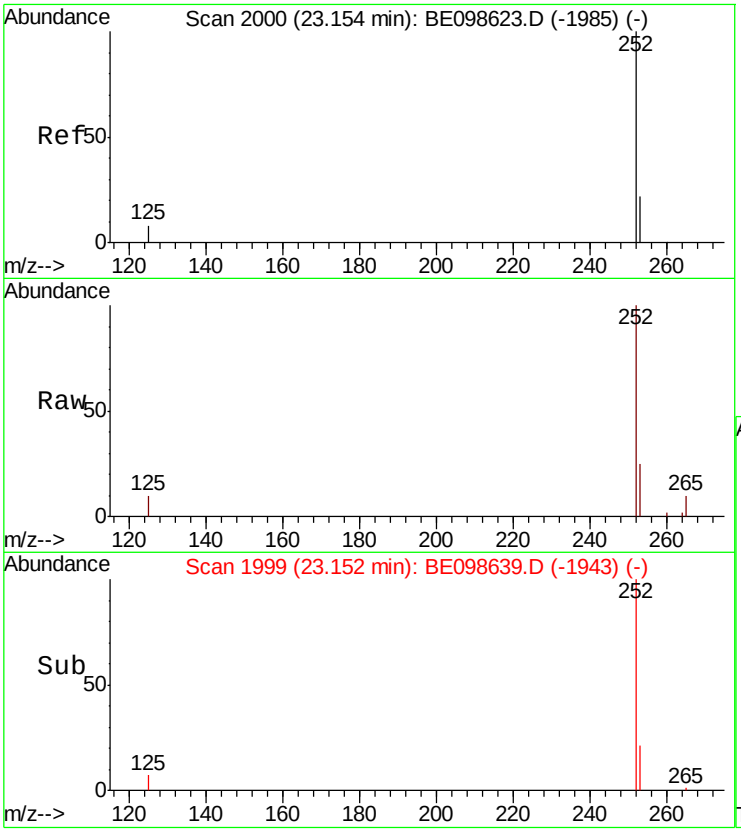


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:264 Resp: 6812

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	29.3	22.3	33.5



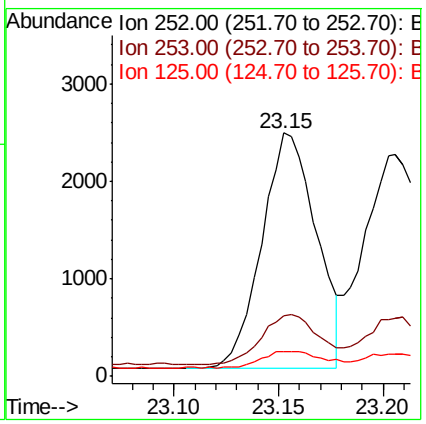


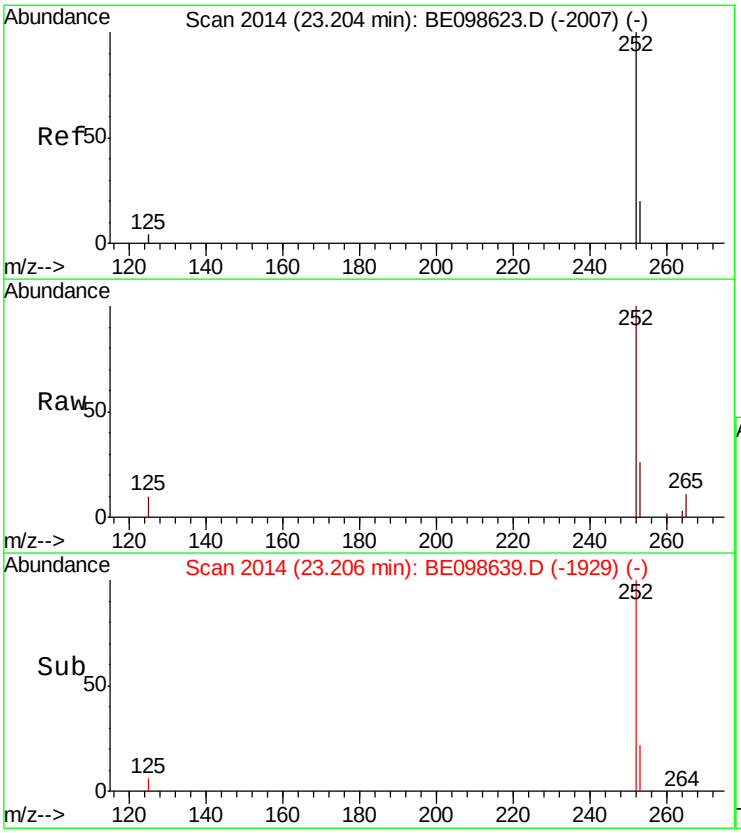
#35
Benzo(b)fluoranthene
Concen: 0.237 ng
RT: 23.15 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:252 Resp: 4403

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.4	29.0
125	10.2	8.2	12.4

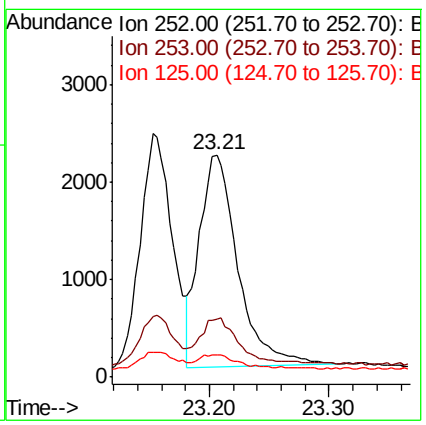


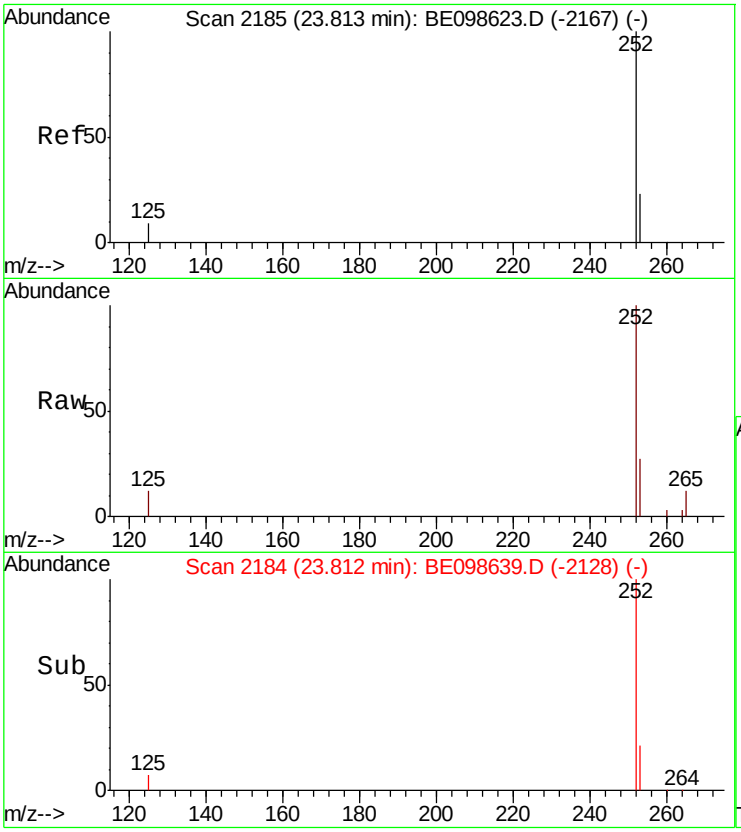


#36
Benzo(k)fluoranthene
Concen: 0.239 ng
RT: 23.21 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:252 Resp: 4855

Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.0	28.4
125	10.1	7.0	10.4



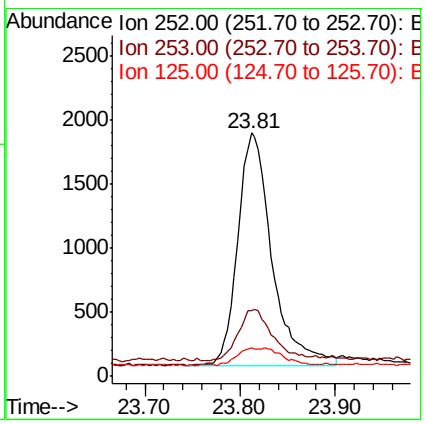


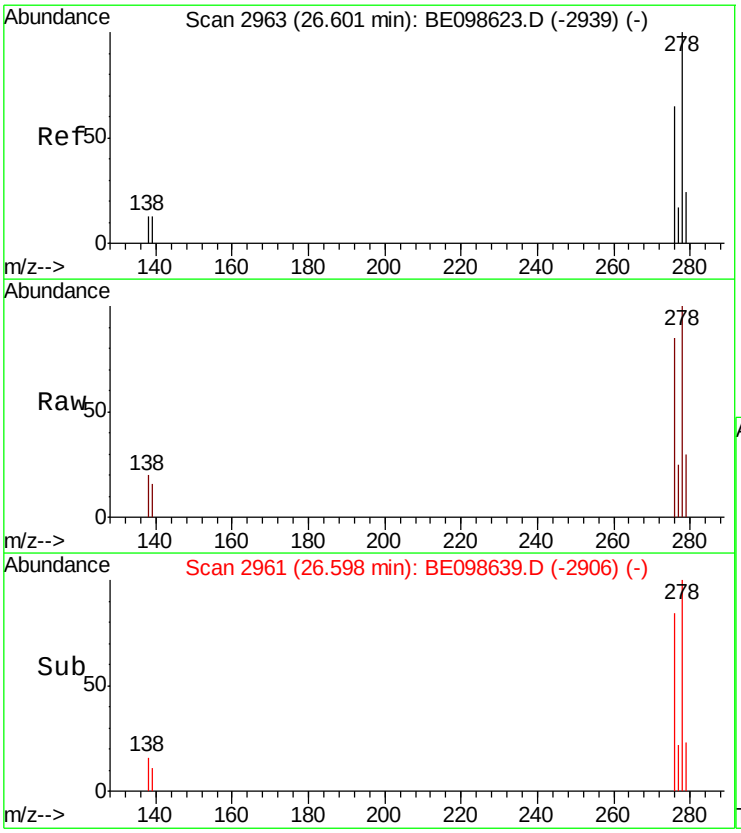
#37
Benzo(a)pyrene
Concen: 0.251 ng
RT: 23.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:252 Resp: 4576

Ion	Ratio	Lower	Upper
252	100		
253	27.2	21.0	31.4
125	11.7	9.2	13.8

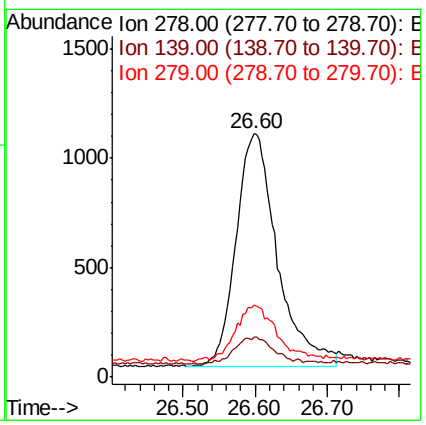


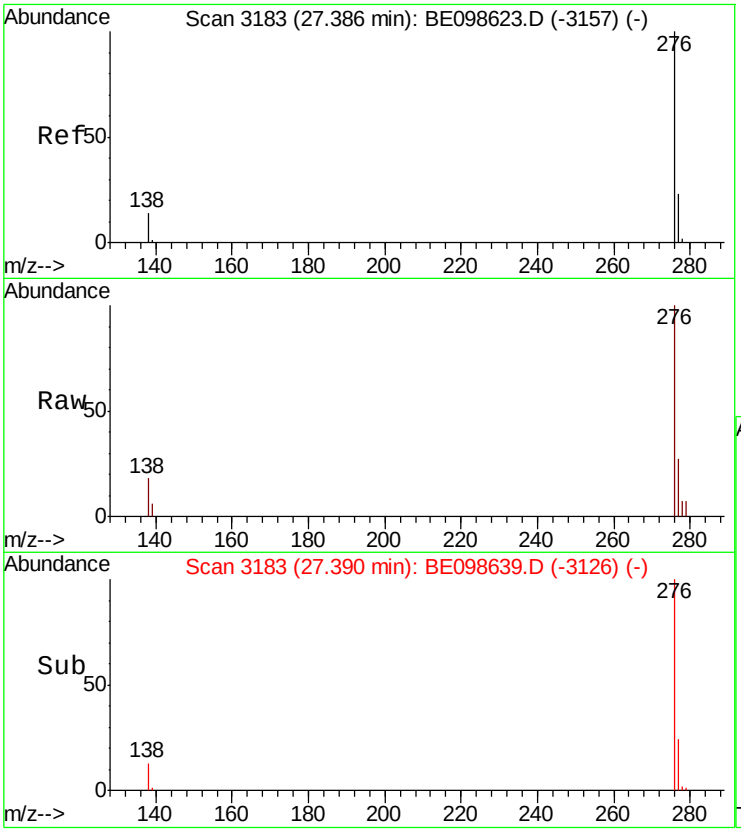


#38
Dibenzo(a,h)anthracene
Concen: 0.257 ng
RT: 26.60 min Scan# 2961
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:278 Resp: 4151

Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.7	19.1
279	29.6	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.266 ng
RT: 27.39 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:276 Resp: 4715

Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.3	30.5
138	17.5	13.3	19.9