Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
Data File : BE098331.D
Acq On : 11 Dec 2018 13:52
Operator : SJ/JU
Sample : PB115391BSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB115391BSD

Quant Time: Dec 11 15:16:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1318	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5242	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3042	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7752	0.40	ng	0.00
27) Chrysene-d12	21.46	240	10436	0.40	ng	0.00
34) Perylene-d12	24.01	264	10041	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	744	0.24	ng	0.01
5) Phenol-d6	7.06	99	908	0.21	ng	0.01
8) Nitrobenzene-d5	9.03	82	1034	0.22	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2024	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	219	0.20	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	2969	0.23	ng	0.00
25) Fluoranthene-d10	19.31	212	24143	0.24	ng	0.00
29) Terphenyl-d14	19.91	244	4605	0.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	815	0.358	ng	# 53
3) n-Nitrosodimethylamine	3.70	42	483	0.235	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	766	0.185	ng	# 86
9) Naphthalene	10.71	128	12689	0.241	ng	# 98
10) Hexachlorobutadiene	10.99	225	728	0.217	ng	98
12) 2-Methylnaphthalene	12.34	142	1927	0.225	ng	94
16) Acenaphthylene	14.24	152	3230	0.227	ng	98
17) Acenaphthene	14.59	154	1929	0.225	ng	97
18) Fluorene	15.57	166	2499	0.218	ng	98
20) 4-Bromophenyl-phenylether	16.46	248	821	0.197	ng	93
21) Hexachlorobenzene	16.58	284	953	0.212	ng	94
22) Pentachlorophenol	16.95	266	210	0.304	ng	97
23) Phenanthrene	17.32	178	4204	0.223	ng	97
24) Anthracene	17.41	178	3674	0.219	ng	99
26) Fluoranthene	19.34	202	6085	0.244	ng	99
28) Pyrene	19.70	202	6062	0.185	ng	98
30) Benzo(a)anthracene	21.45	228	6494	0.219	ng	98
31) Chrysene	21.50	228	7294	0.234	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	10585	0.175	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	7396	0.239	ng	97
35) Benzo(b)fluoranthene	23.23	252	6415	0.234	ng	99
36) Benzo(k)fluoranthene	23.28	252	7788	0.243	ng	99
37) Benzo(a)pyrene	23.89	252	6940	0.245	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	6110	0.229	ng	98
39) Benzo(g,h,i)perylene	27.52	276	6628	0.246	ng	99

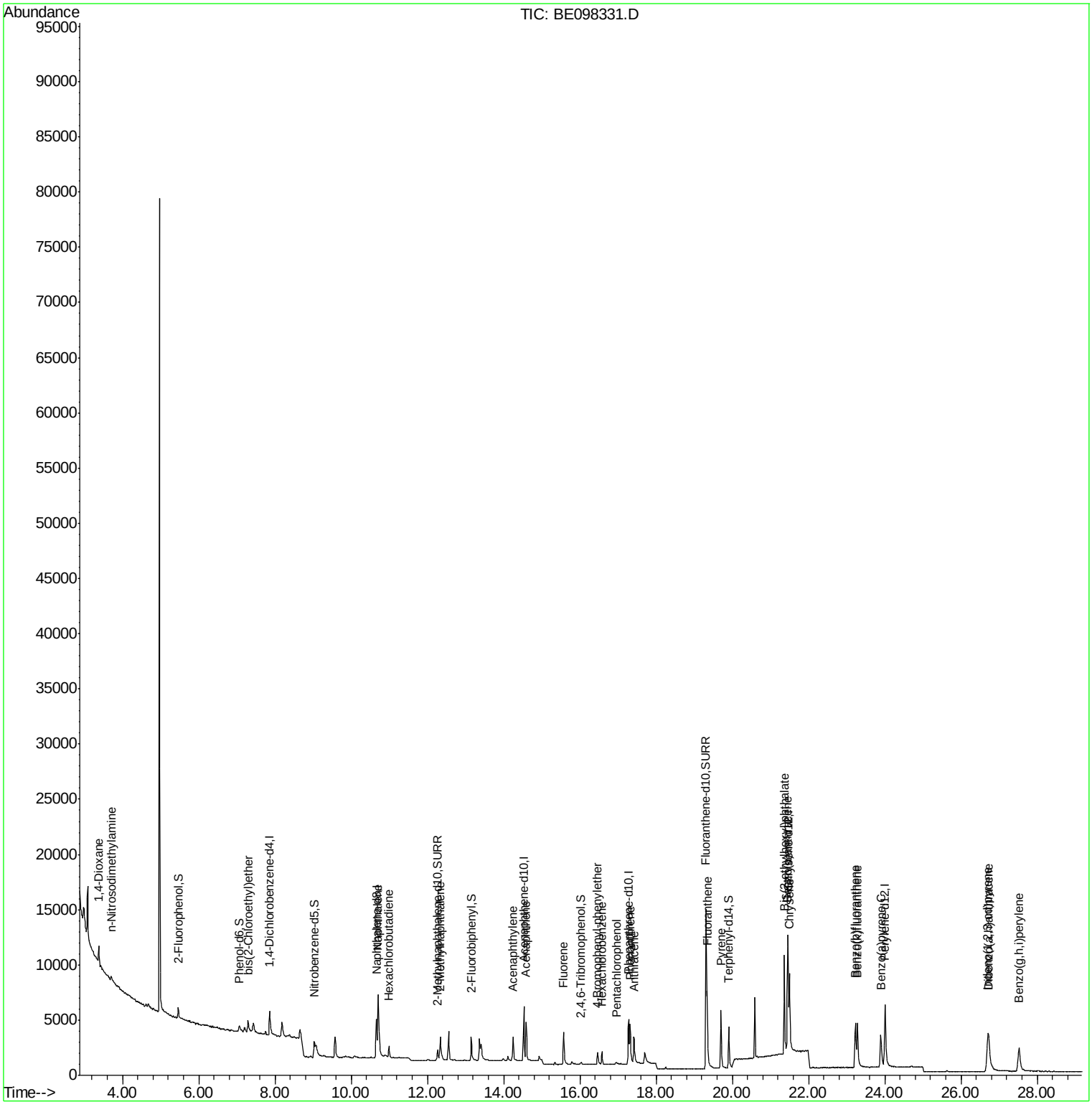
(#) = qualifier out of range (m) = manual integration (+) = signals summed

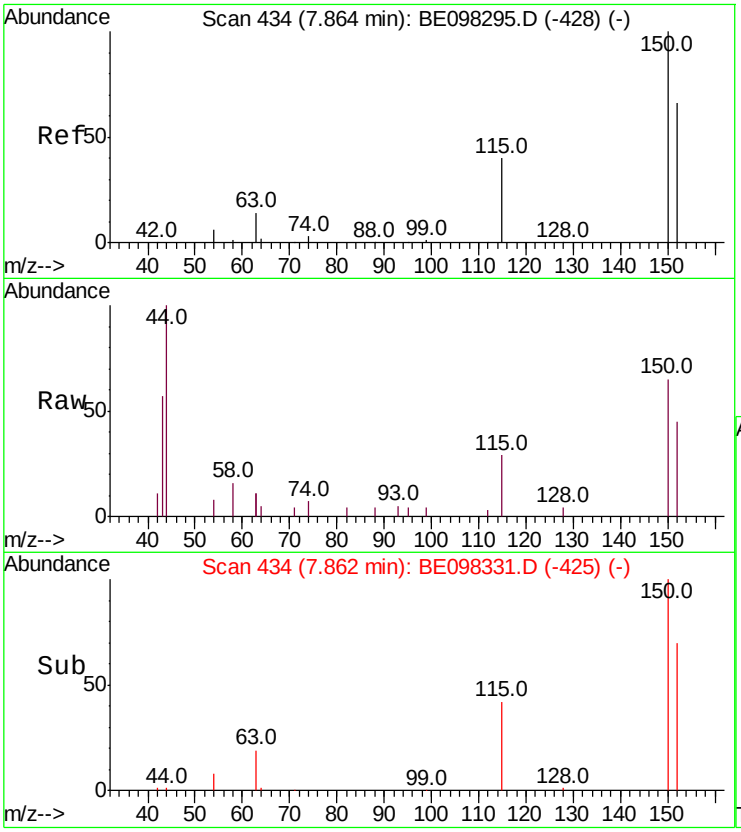
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
Data File : BE098331.D
Acq On : 11 Dec 2018 13:52
Operator : SJ/JU
Sample : PB115391BSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Quant Time: Dec 11 15:16:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



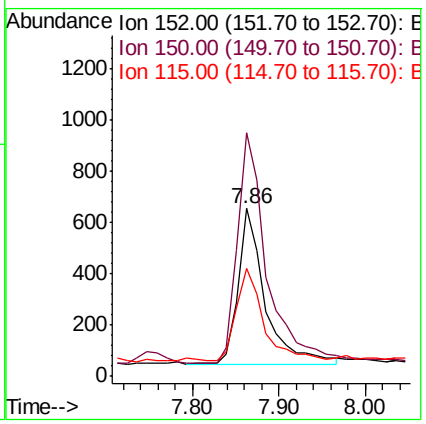


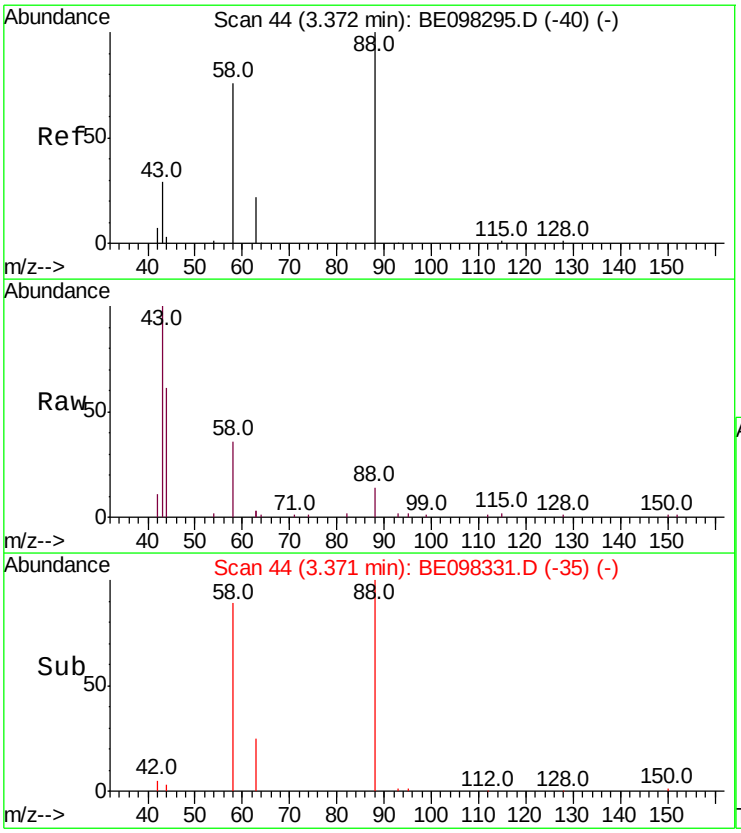
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:152 Resp: 1318

Ion	Ratio	Lower	Upper
152	100		
150	145.0	124.2	186.4
115	64.4	53.9	80.9

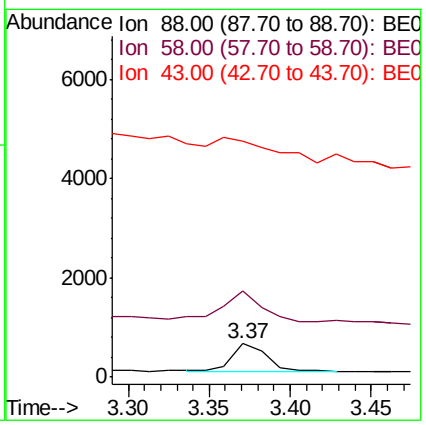


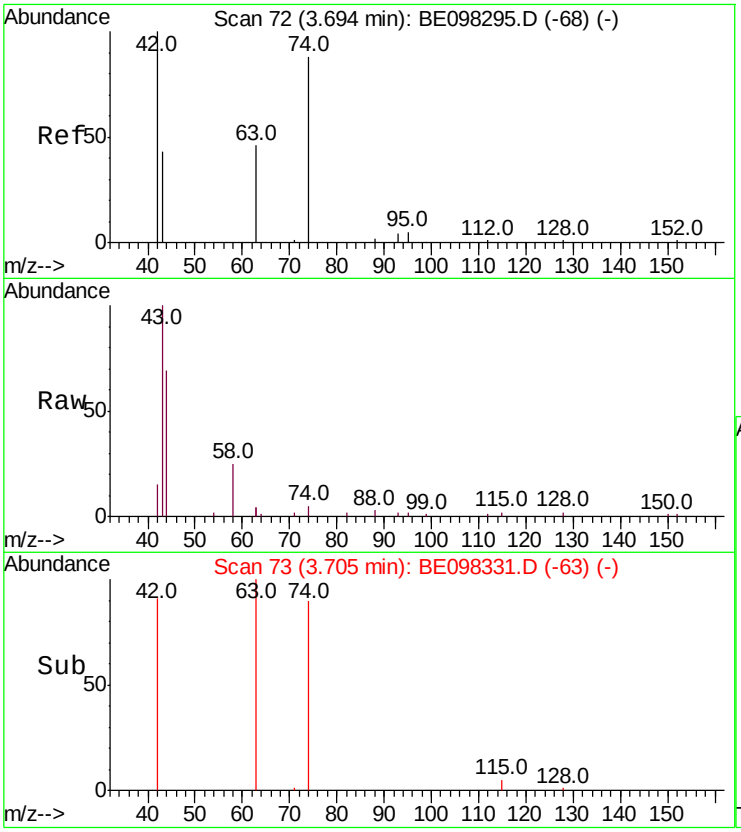


#2
1,4-Dioxane
Concen: 0.358 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion: 88 Resp: 815

Ion	Ratio	Lower	Upper
88	100		
58	126.6	75.0	112.6#
43	0.0	38.3	57.5#



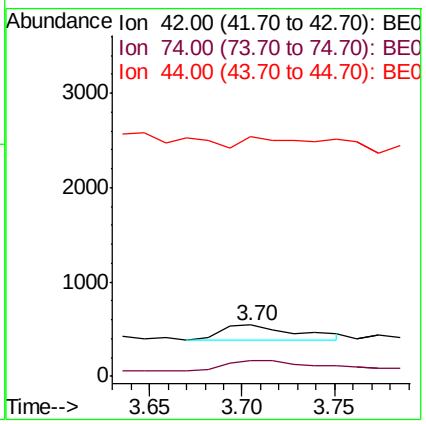


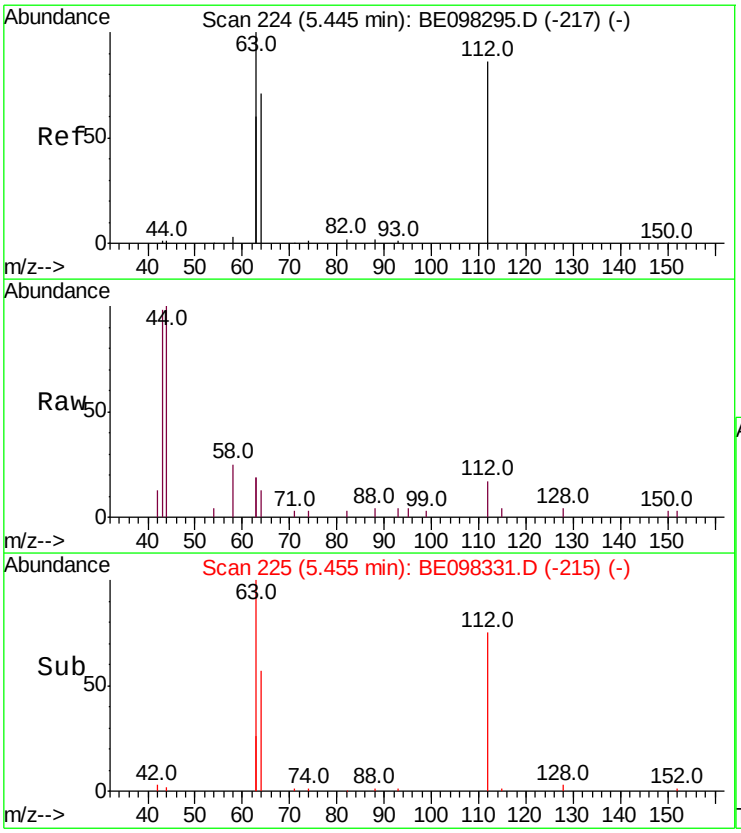
#3
n-Nitrosodimethylamine
Concen: 0.235 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion: 42 Resp: 483

Ion	Ratio	Lower	Upper
42	100		
74	72.7	0.0	0.0#
44	47.0	0.0	0.0#

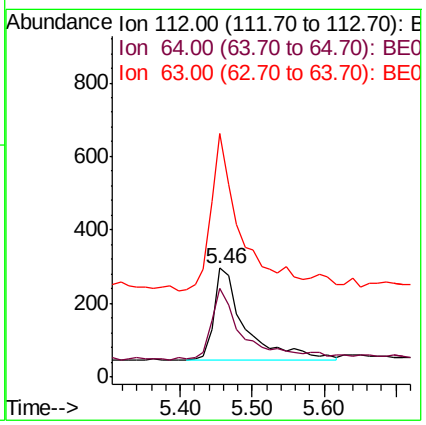


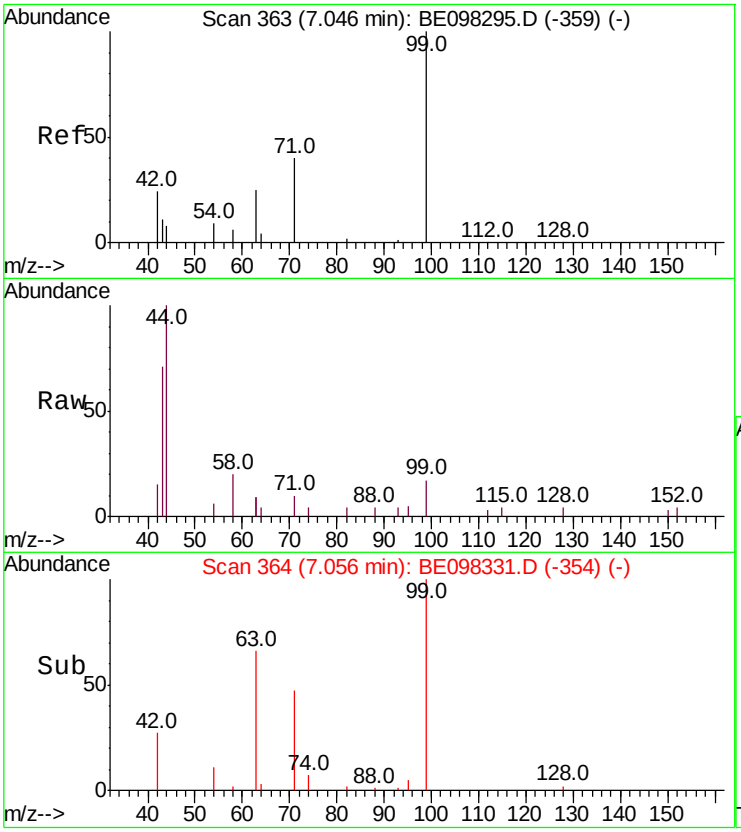


#4
2-Fluorophenol
Concen: 0.241 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:112 Resp: 744

Ion	Ratio	Lower	Upper
112	100		
64	74.6	59.8	89.8
63	160.8	133.7	200.5



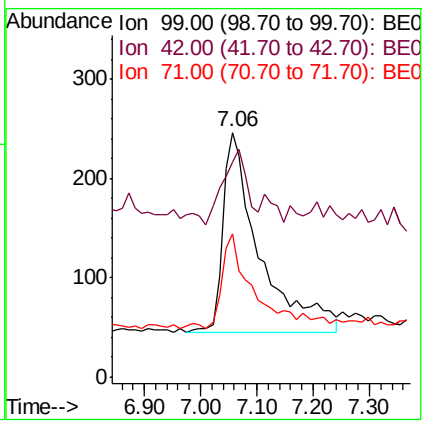


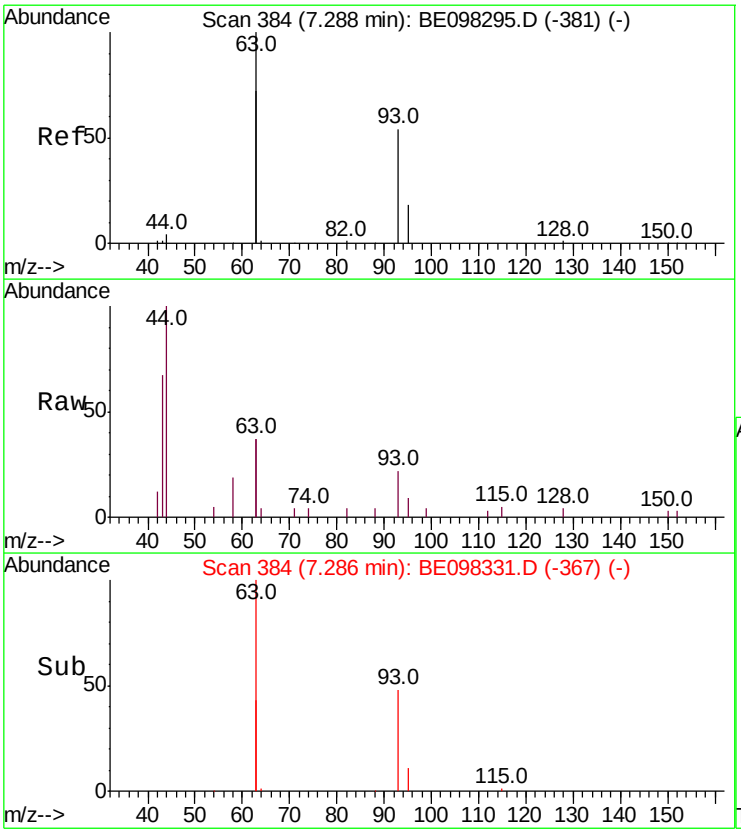
#5
Phenol-d6
Concen: 0.208 ng
RT: 7.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion: 99 Resp: 908

Ion	Ratio	Lower	Upper
99	100		
42	24.9	26.3	39.5#
71	44.6	33.6	50.4

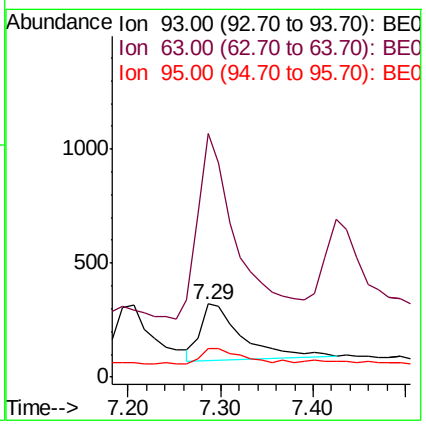


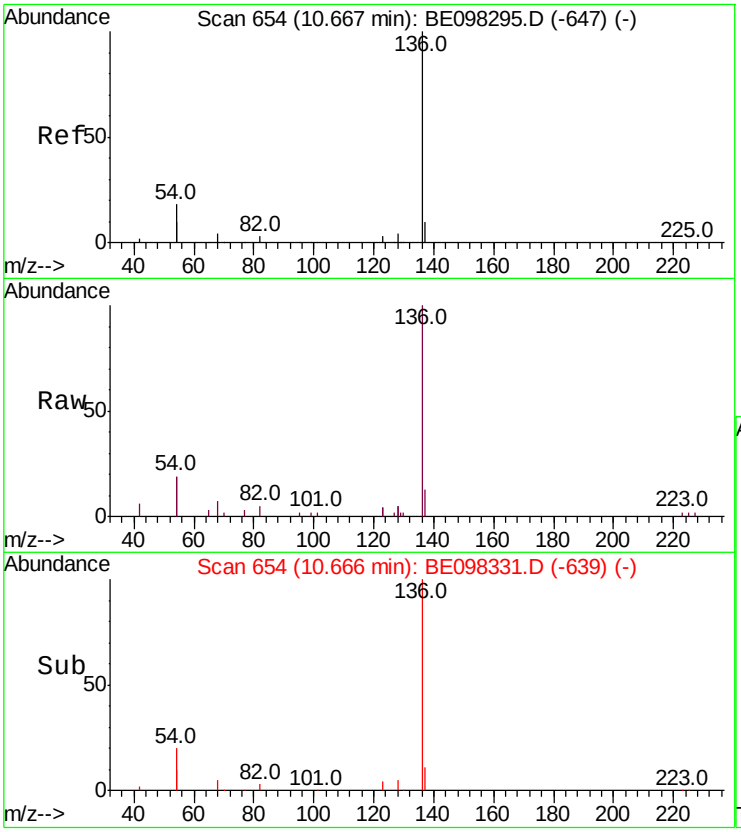


#6
bis(2-Chloroethyl)ether
Concen: 0.185 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion: 93 Resp: 766

Ion	Ratio	Lower	Upper
93	100		
63	302.2	264.4	396.6
95	25.6	26.6	40.0#



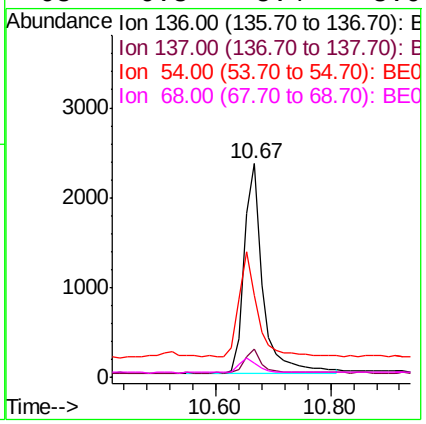


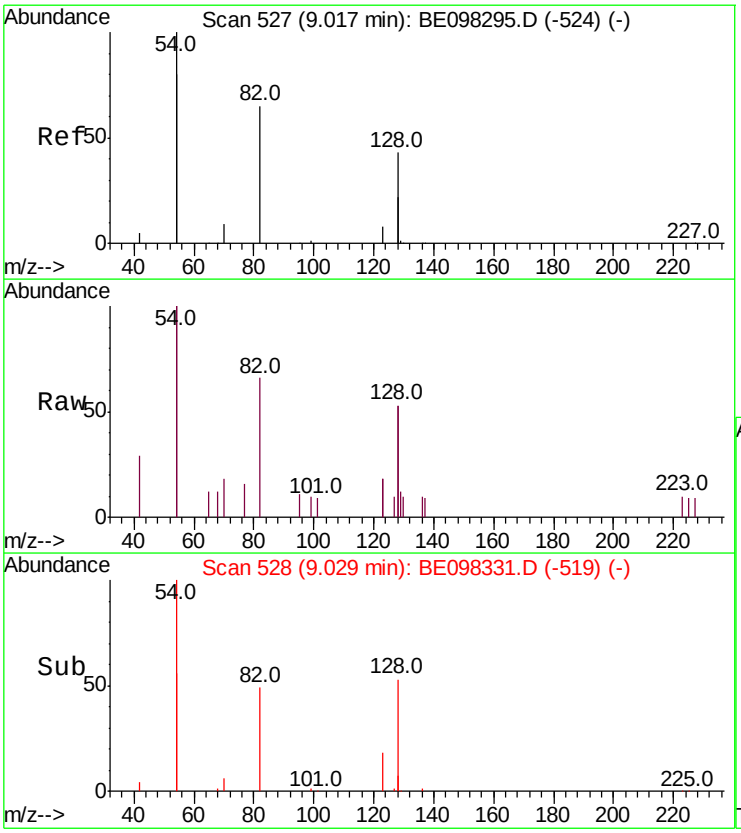
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:136 Resp: 5242

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.2	13.8
54	38.4	28.4	42.6
68	6.8	5.4	8.0

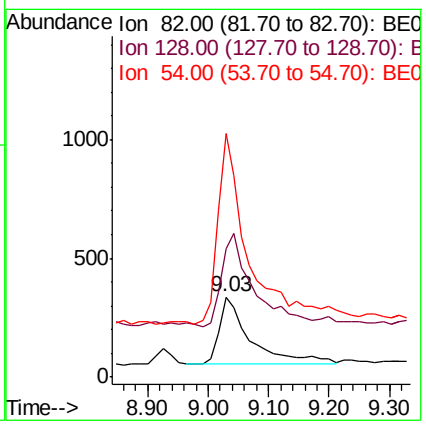


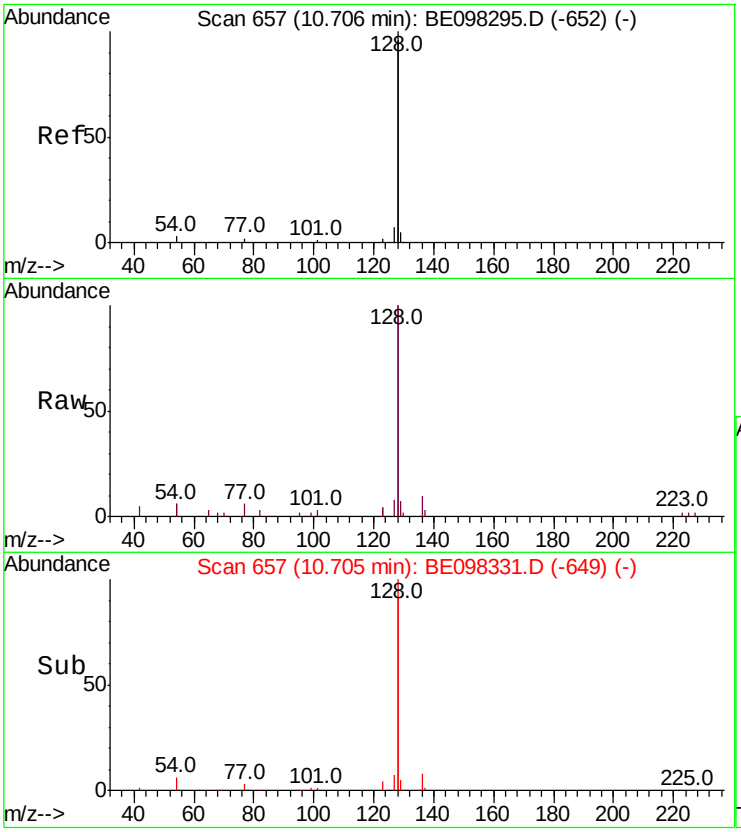


#8
Nitrobenzene-d5
Concen: 0.217 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion: 82 Resp: 1034

Ion	Ratio	Lower	Upper
82	100		
128	159.8	102.4	153.6#
54	303.6	221.8	332.8



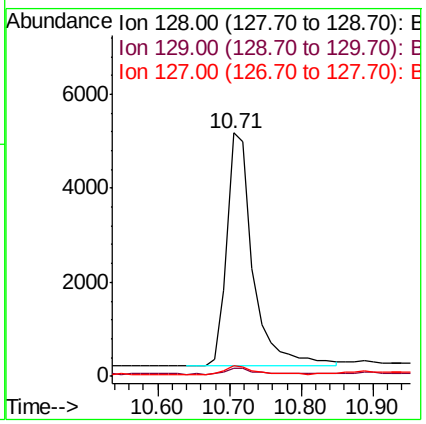


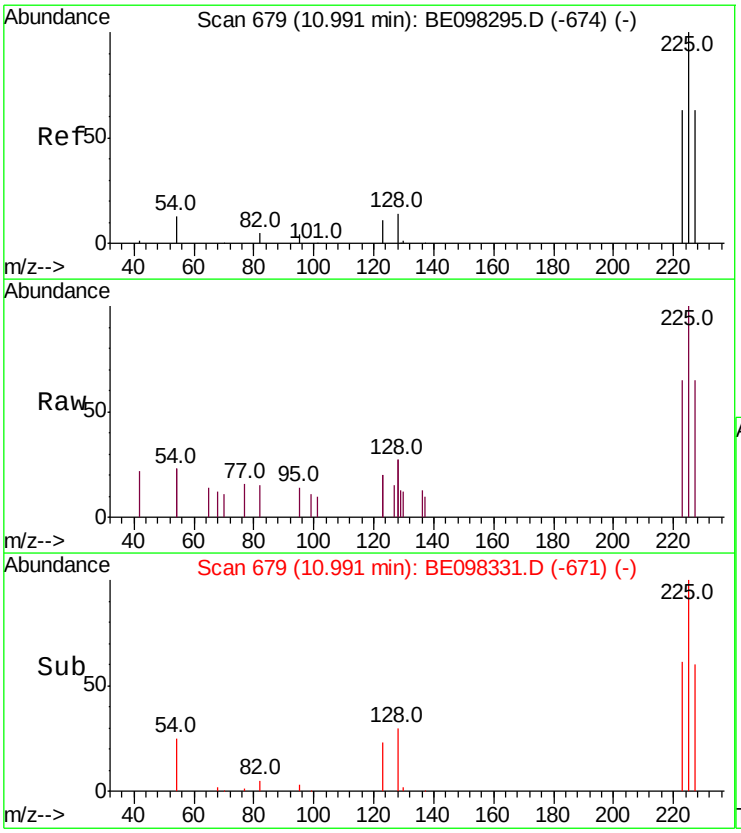
#9
Naphthalene
Concen: 0.241 ng
RT: 10.71 min Scan# 657
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:128 Resp: 12689

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.5	3.7
127	4.2	2.7	4.1#

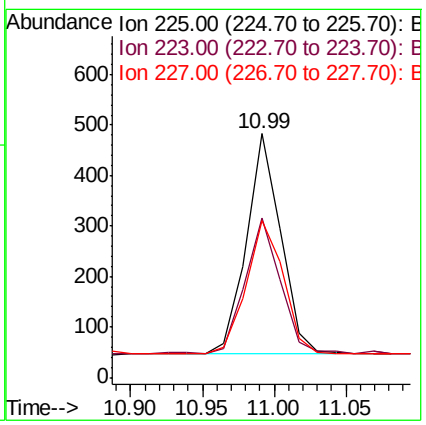


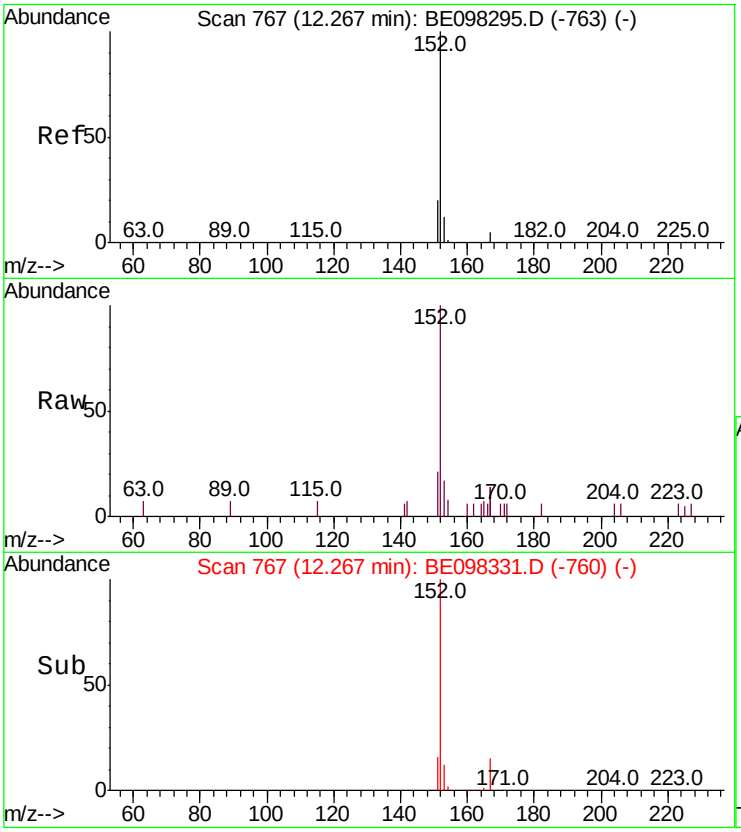


#10
Hexachlorobutadiene
Concen: 0.217 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:225 Resp: 728

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.4	74.0
227	65.1	52.0	78.0



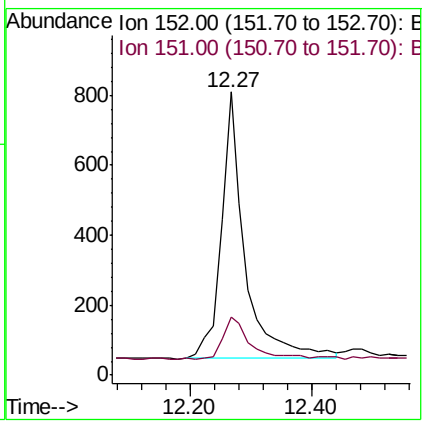


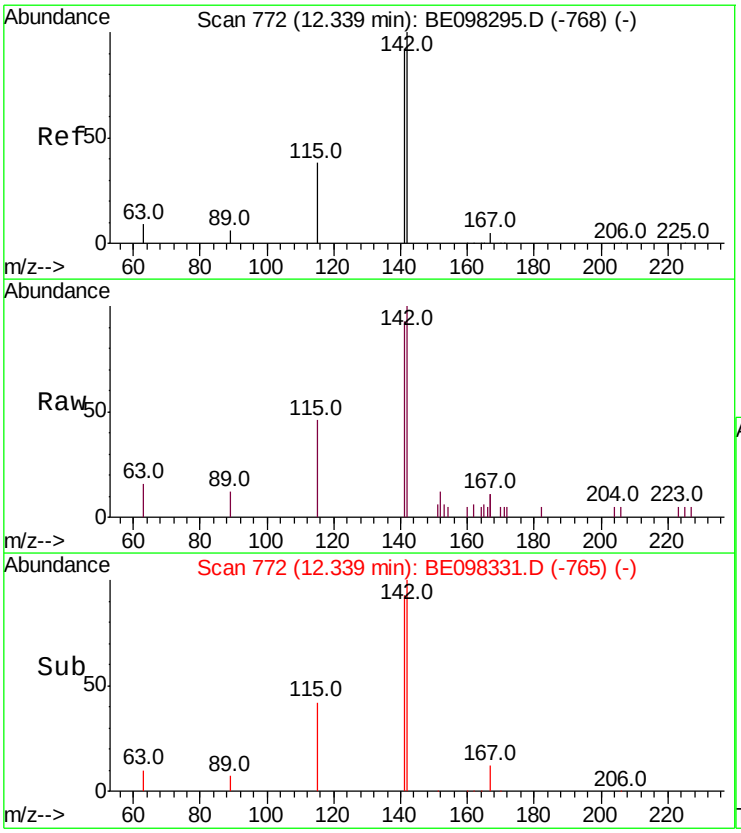
#11
2-Methylnaphthalene-d10
Concen: 0.237 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:152 Resp: 2024

Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.2	24.4

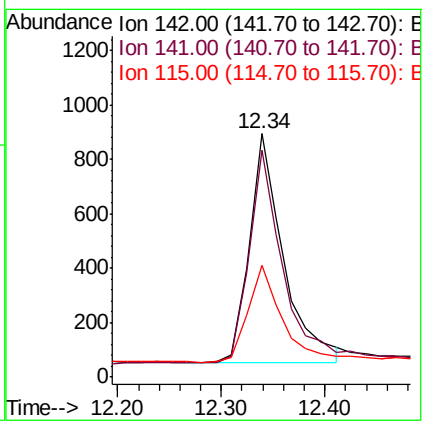


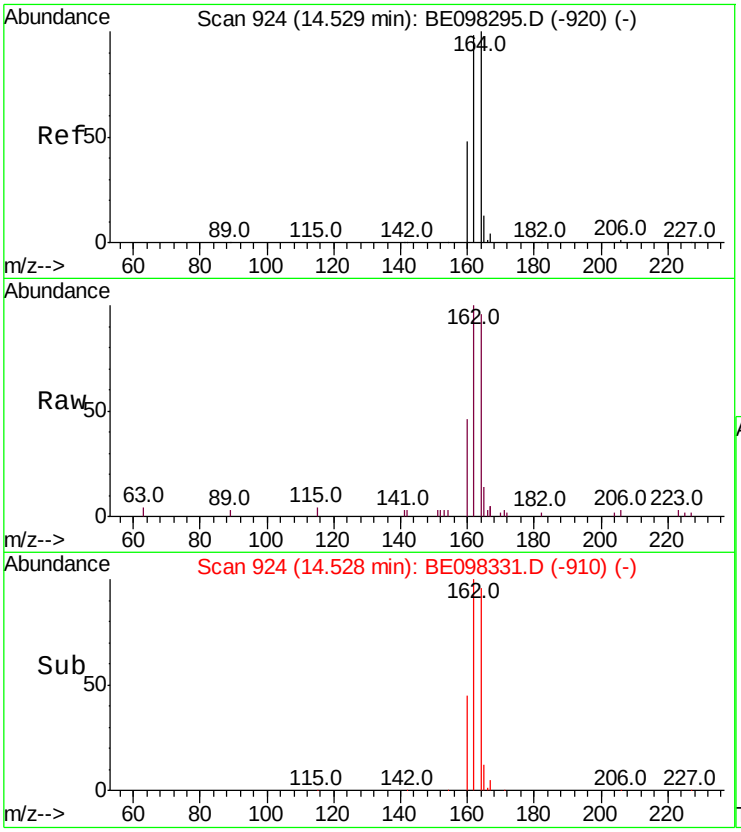


#12
2-Methylnaphthalene
Concen: 0.225 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:142 Resp: 1927

Ion	Ratio	Lower	Upper
142	100		
141	93.3	71.0	106.6
115	45.6	32.2	48.2



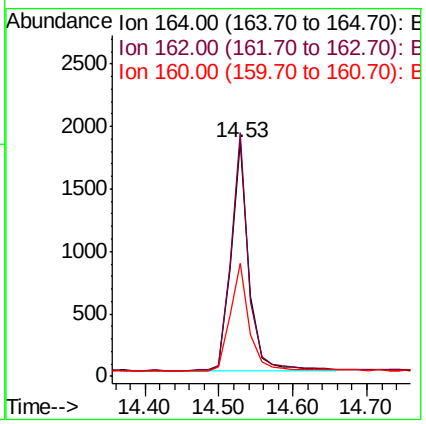


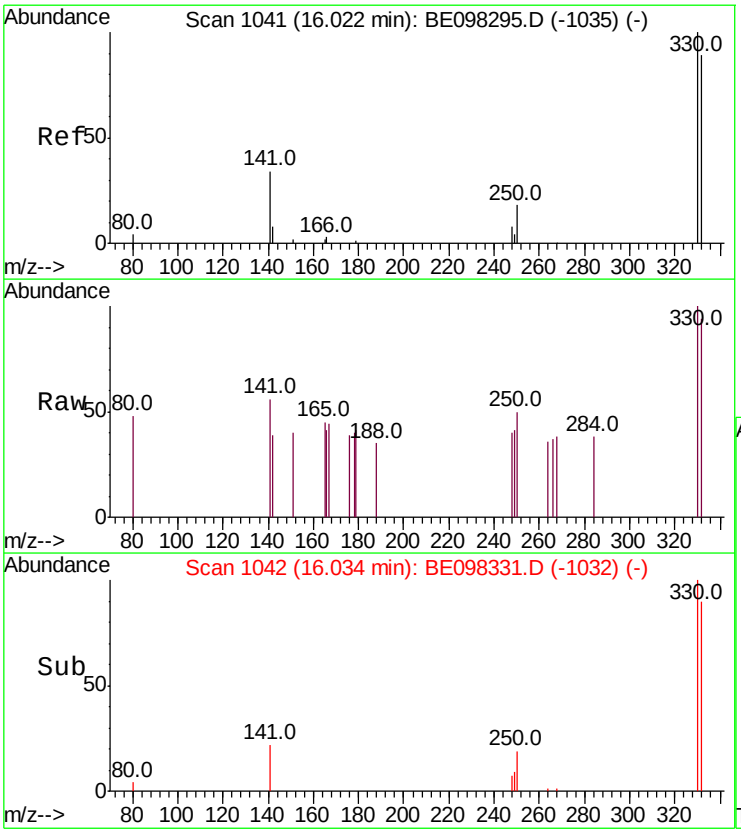
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:164 Resp: 3042

Ion	Ratio	Lower	Upper
164	100		
162	103.9	77.6	116.4
160	48.2	36.0	54.0

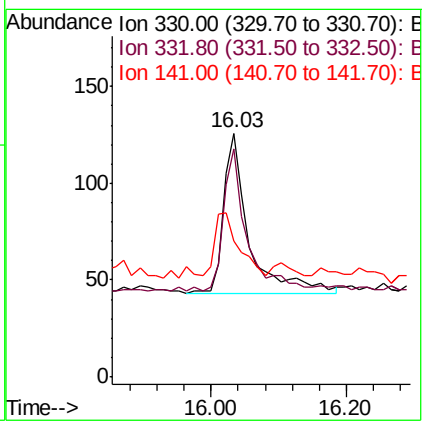


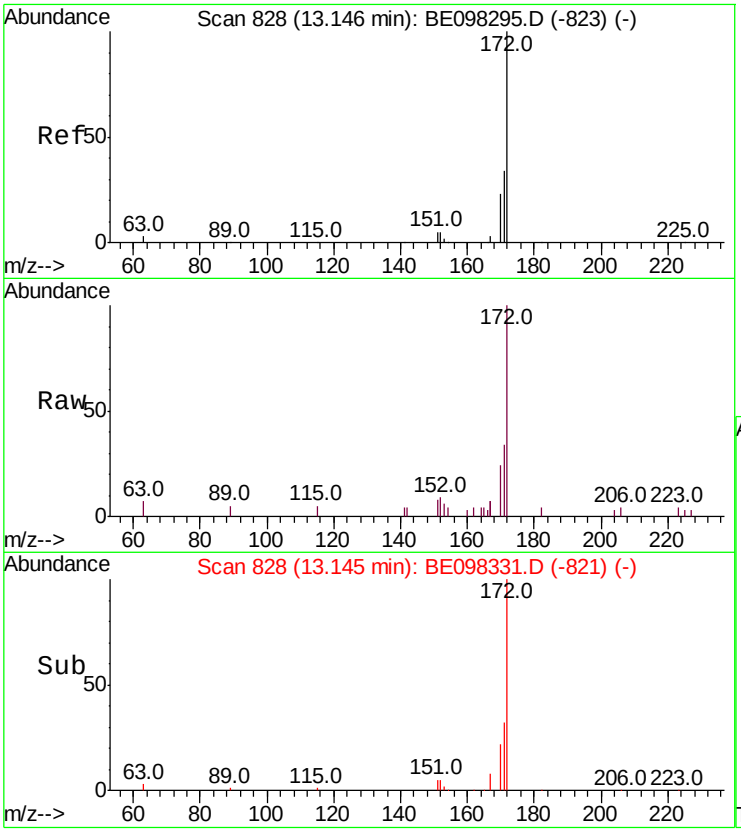


#14
2,4,6-Tribromophenol
Concen: 0.196 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:330 Resp: 219

Ion	Ratio	Lower	Upper
330	100		
332	82.2	76.2	114.4
141	40.6	39.0	58.4



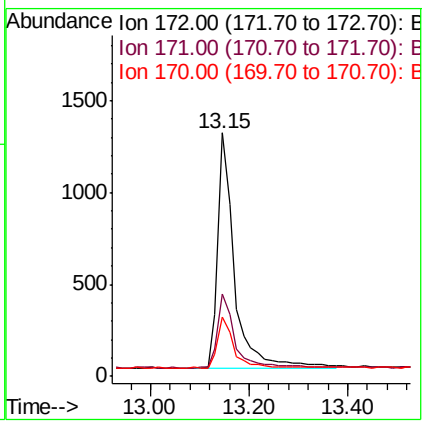


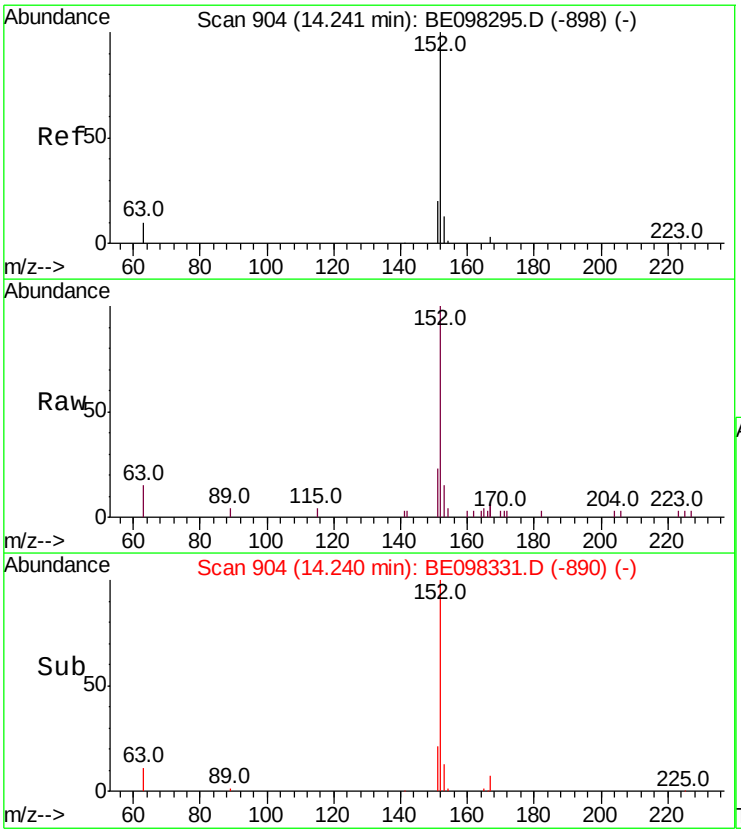
#15
2-Fluorobiphenyl
Concen: 0.231 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:172 Resp: 2969

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.5	41.3
170	24.4	19.6	29.4

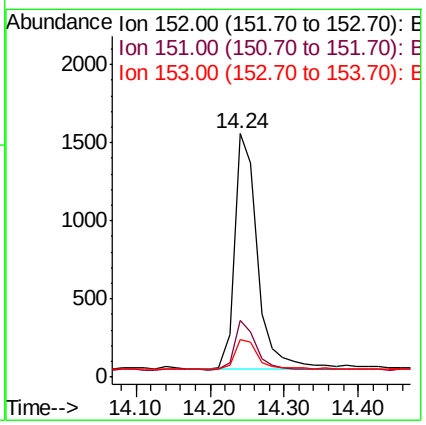


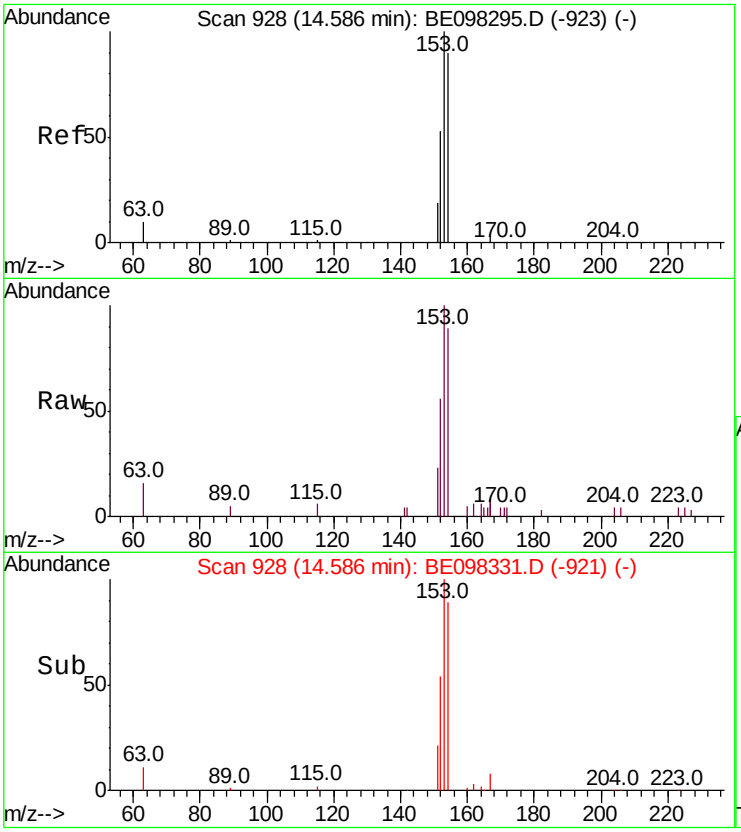


#16
Acenaphthylene
Concen: 0.227 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:152 Resp: 3230

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.5	23.3
153	13.2	10.6	16.0



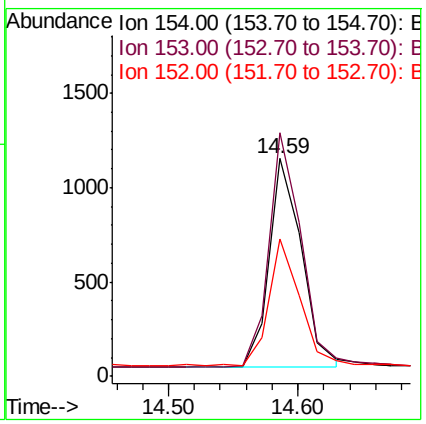


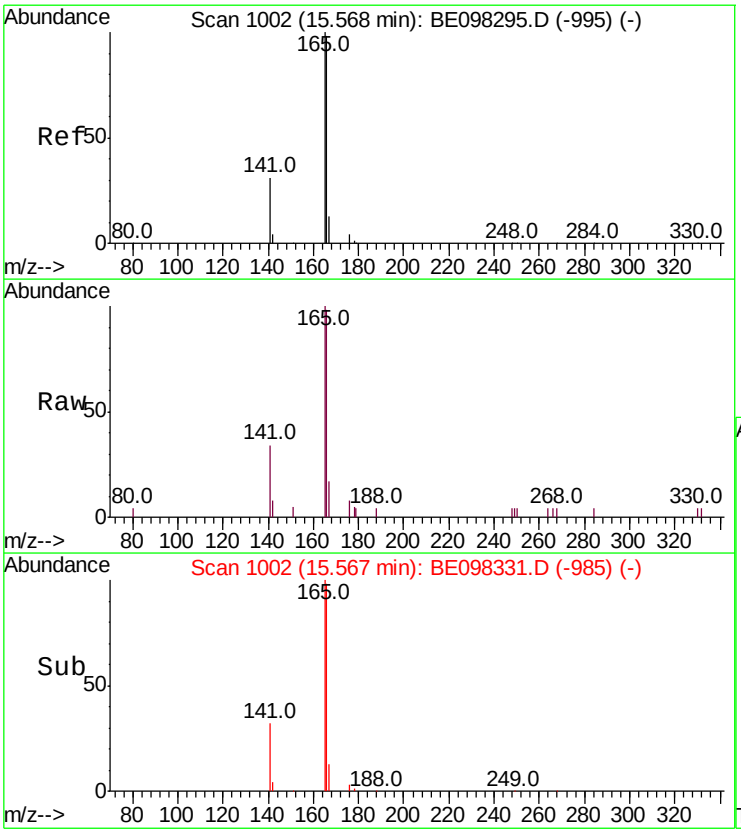
#17
Acenaphthene
Concen: 0.225 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:154 Resp: 1929

Ion	Ratio	Lower	Upper
154	100		
153	110.6	91.8	137.6
152	58.4	45.5	68.3

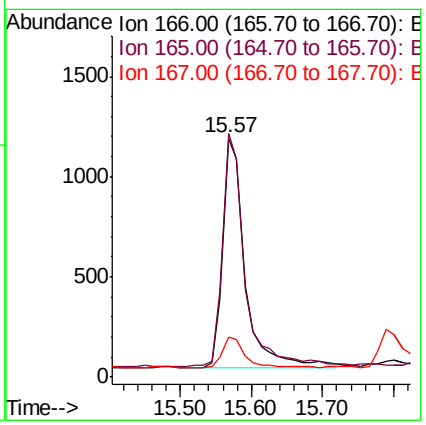


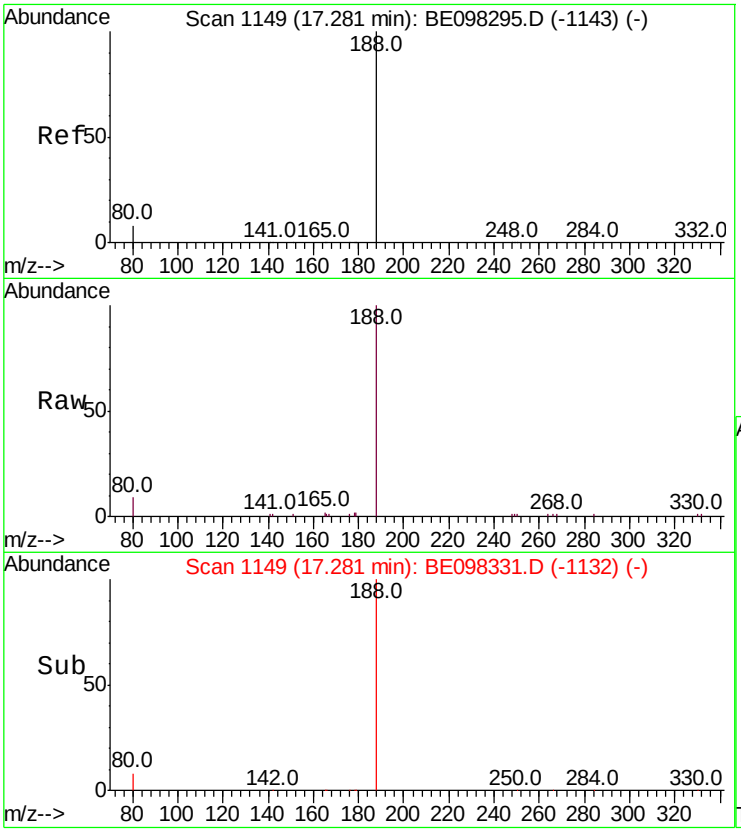


#18
Fluorene
Concen: 0.218 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:166 Resp: 2499

Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.3	118.9
167	13.2	11.3	16.9



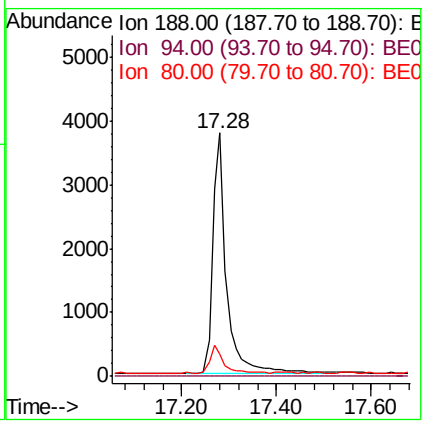


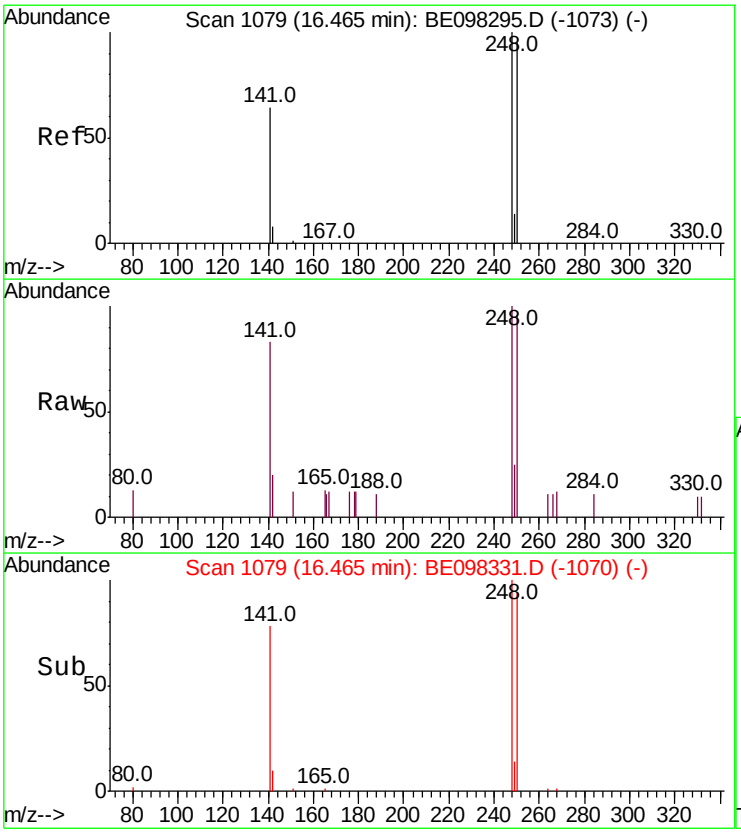
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:188 Resp: 7752

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.2	10.8

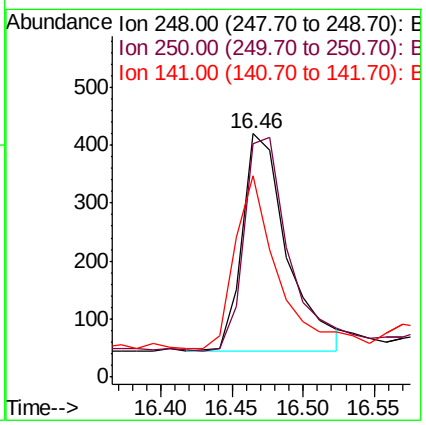


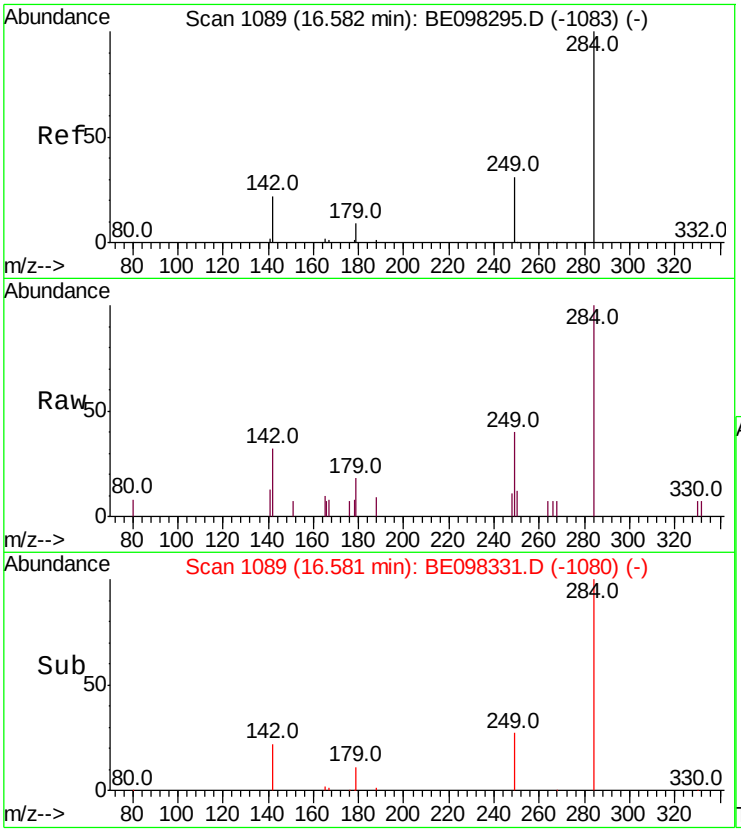


#20
4-Bromophenyl-phenylether
Concen: 0.197 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:248 Resp: 821

Ion	Ratio	Lower	Upper
248	100		
250	95.7	71.0	106.6
141	82.6	62.1	93.1



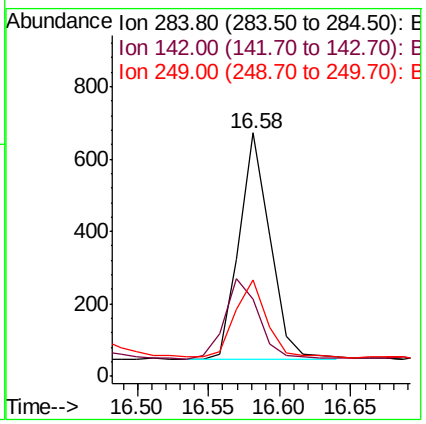


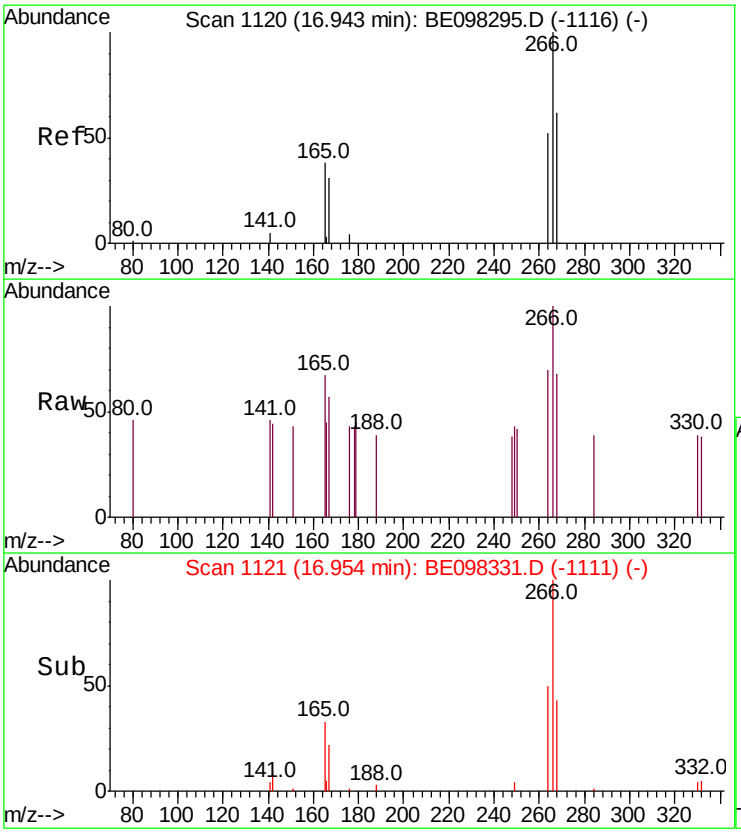
#21
Hexachlorobenzene
Concen: 0.212 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:284 Resp: 953

Ion	Ratio	Lower	Upper
284	100		
142	37.8	26.3	39.5
249	34.2	26.0	39.0

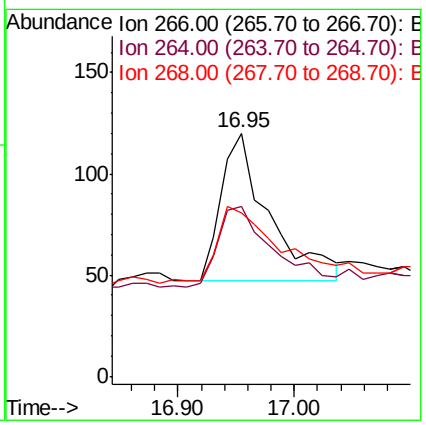


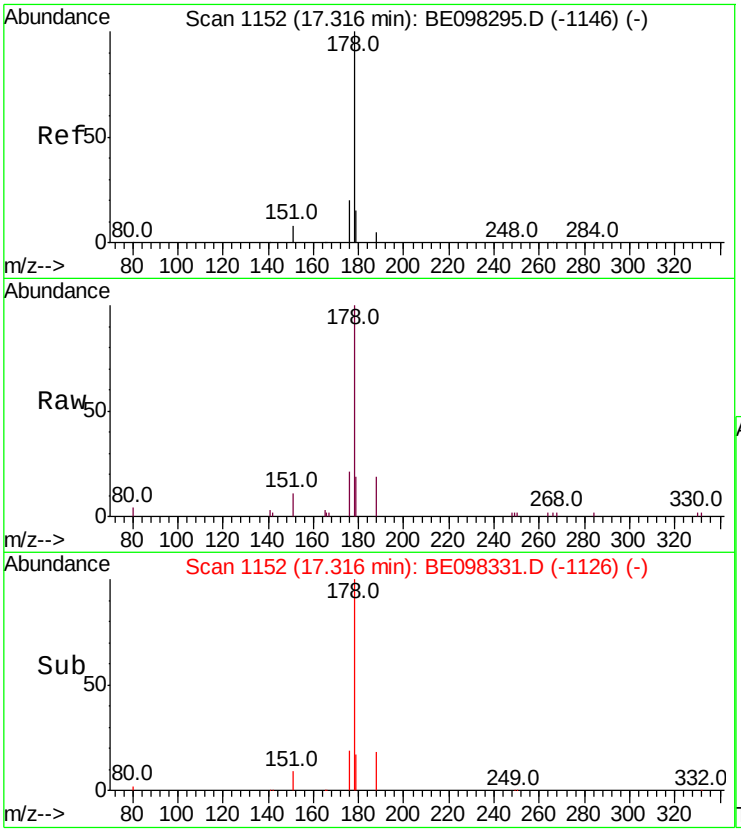


#22
Pentachlorophenol
Concen: 0.304 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:266 Resp: 210

Ion	Ratio	Lower	Upper
266	100		
264	70.0	59.0	88.4
268	67.5	55.1	82.7



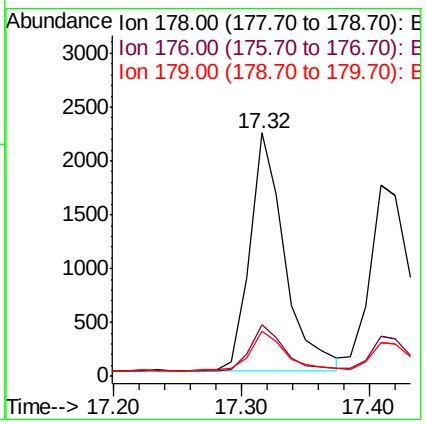


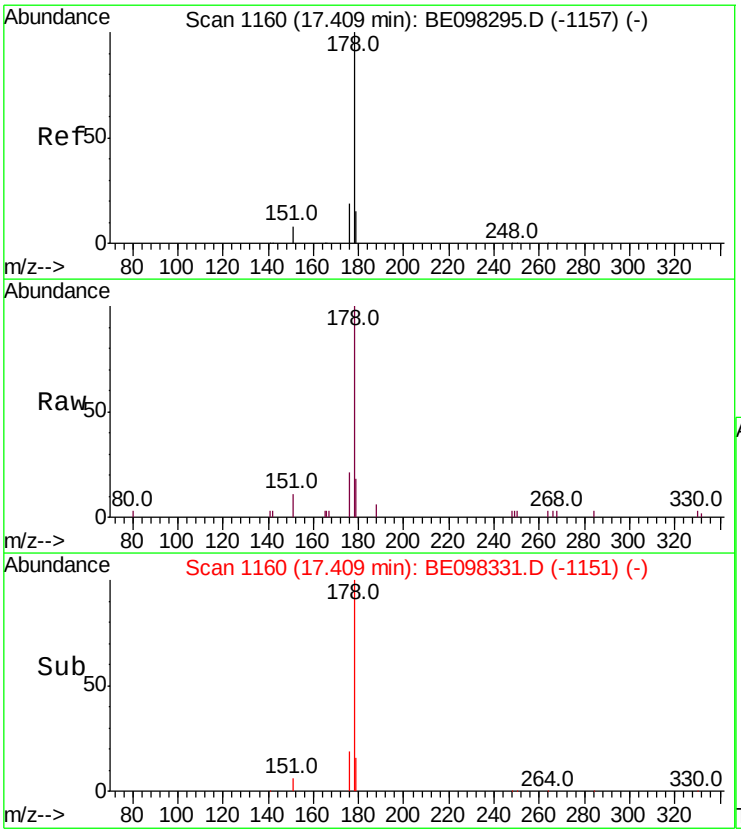
#23
Phenanthrene
Concen: 0.223 ng
RT: 17.32 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:178 Resp: 4204

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	17.2	12.3	18.5

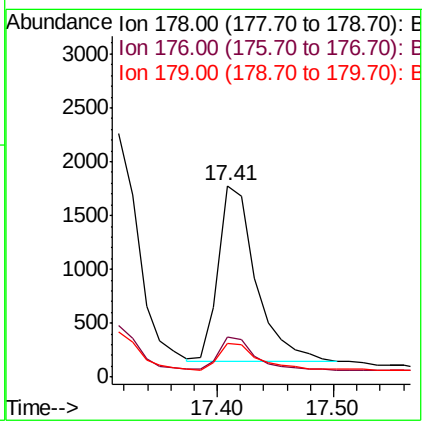


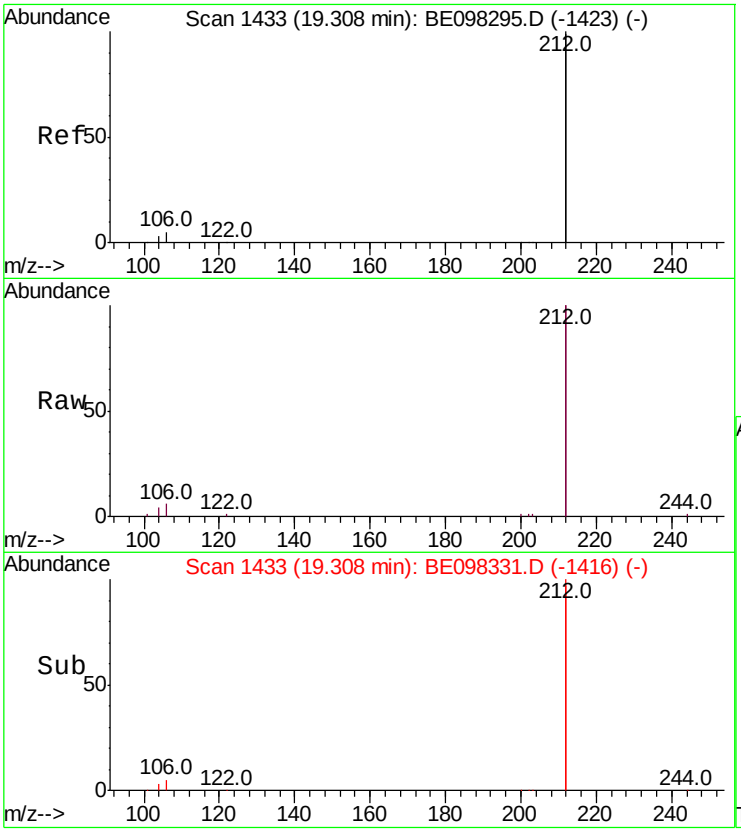


#24
Anthracene
Concen: 0.219 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:178 Resp: 3674

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	16.0	12.3	18.5



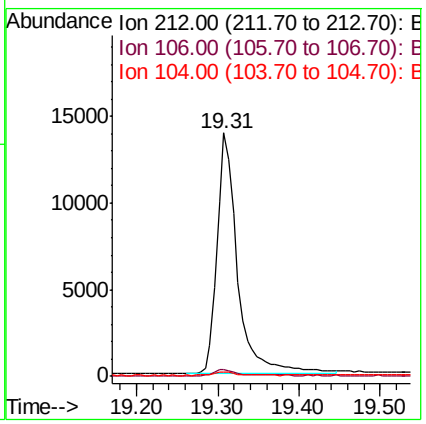


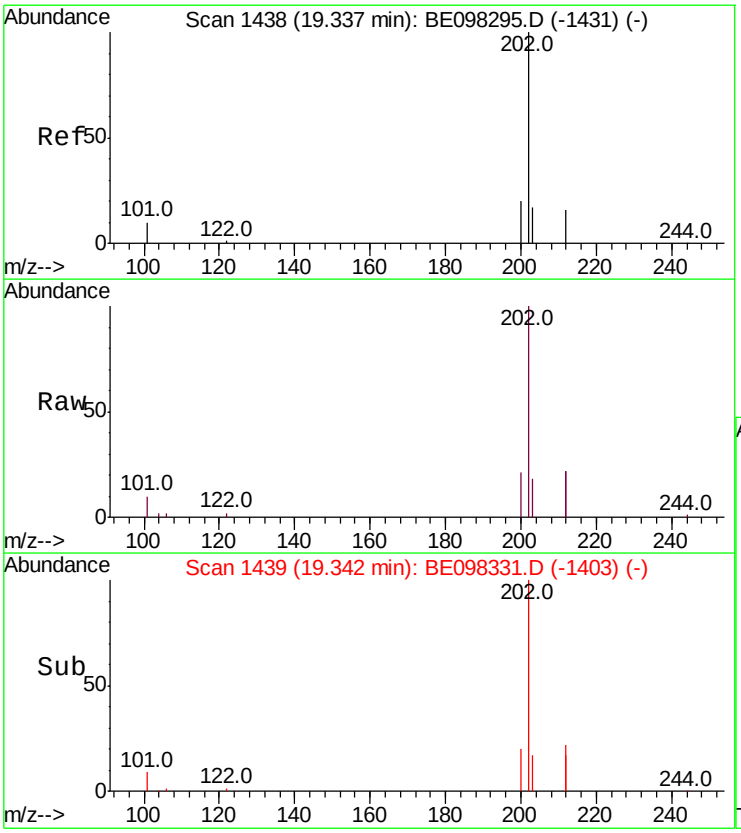
#25
Fluoranthene-d10
Concen: 0.243 ng
RT: 19.31 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:212 Resp: 24143

Ion	Ratio	Lower	Upper
212	100		
106	2.5	2.2	3.2
104	1.6	1.3	1.9

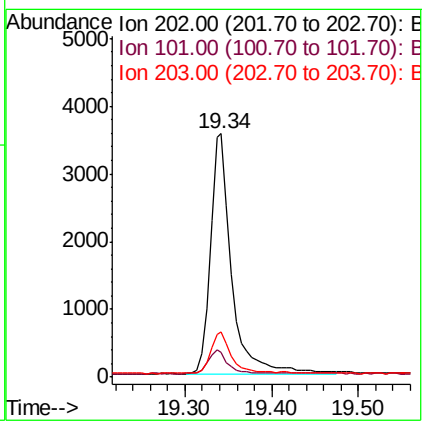


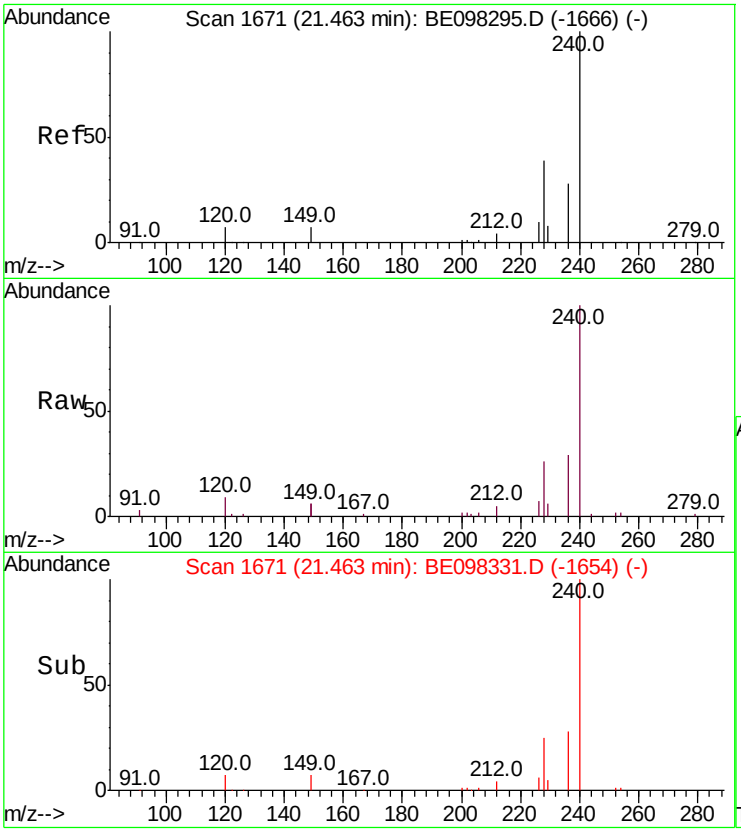


#26
Fluoranthene
Concen: 0.244 ng
RT: 19.34 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:202 Resp: 6085

Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.0	12.0
203	16.7	13.8	20.6



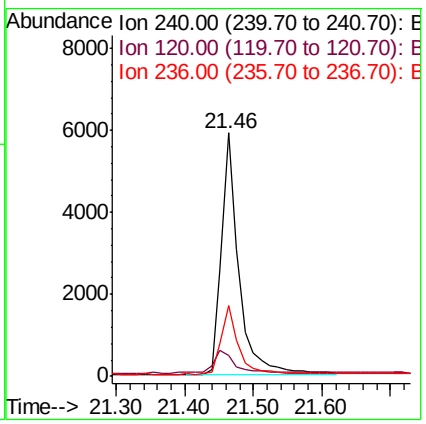


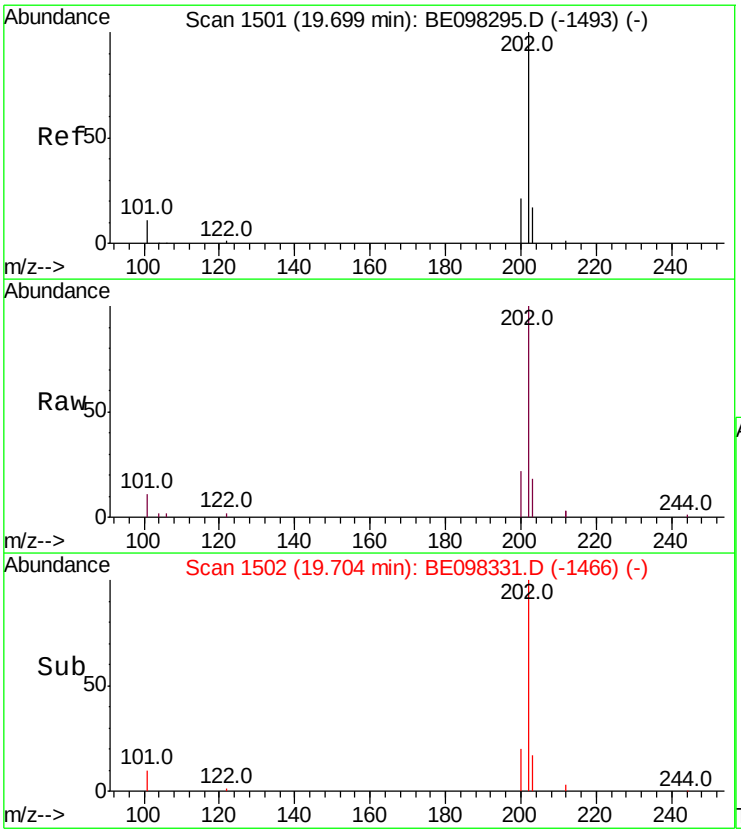
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:240 Resp: 10436

Ion	Ratio	Lower	Upper
240	100		
120	8.5	9.5	14.3#
236	28.9	22.7	34.1

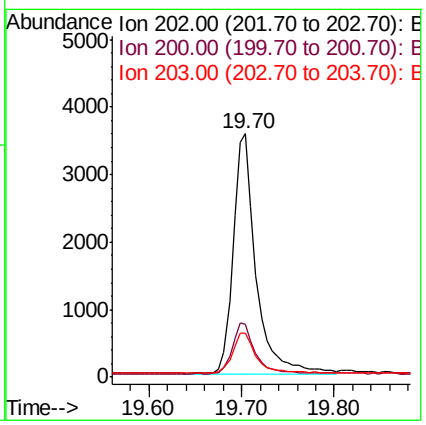


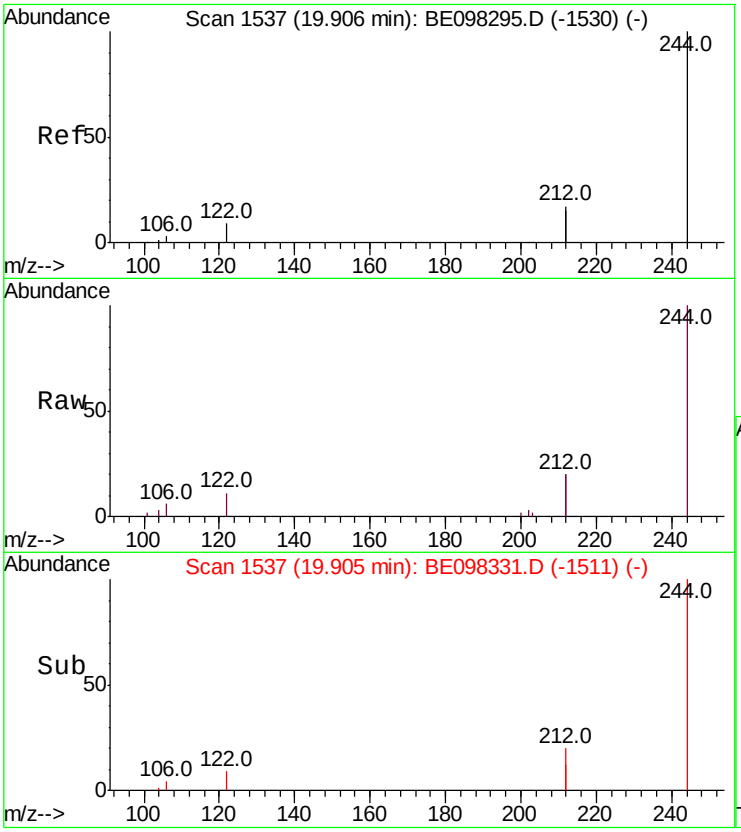


#28
Pyrene
Concen: 0.185 ng
RT: 19.70 min Scan# 1502
Delta R.T. 0.01 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:202 Resp: 6062

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	18.3	14.1	21.1



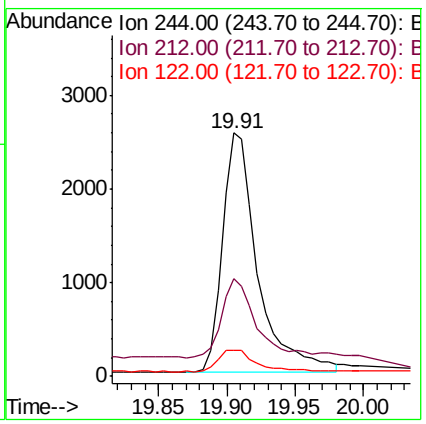


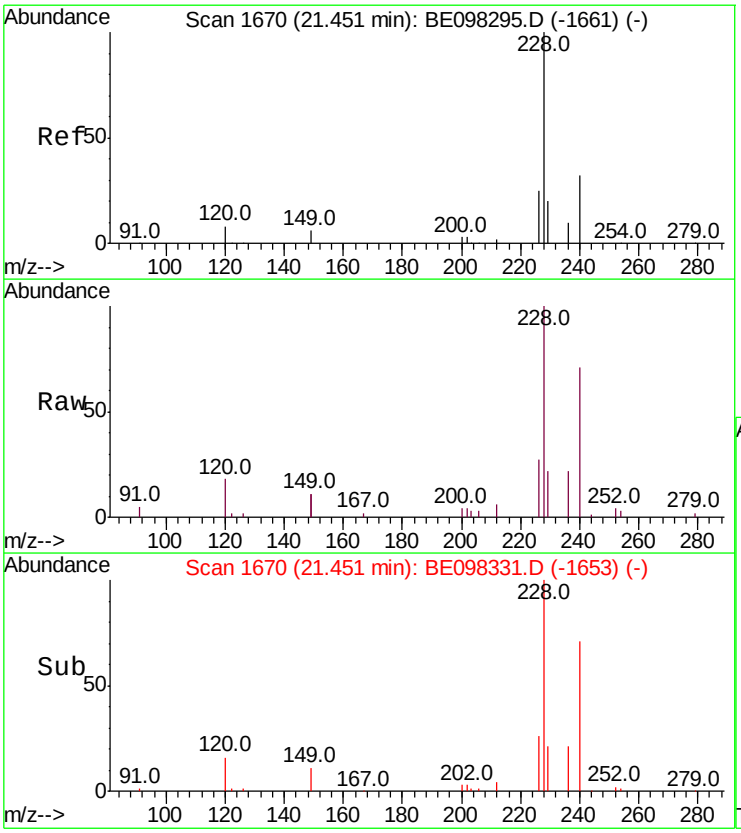
#29
Terphenyl-d14
Concen: 0.182 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:244 Resp: 4605

Ion	Ratio	Lower	Upper
244	100		
212	40.1	27.4	41.0
122	10.8	8.3	12.5

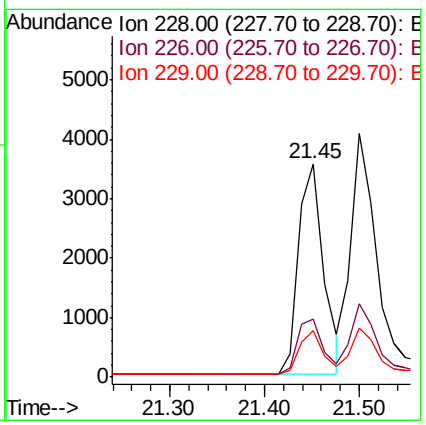


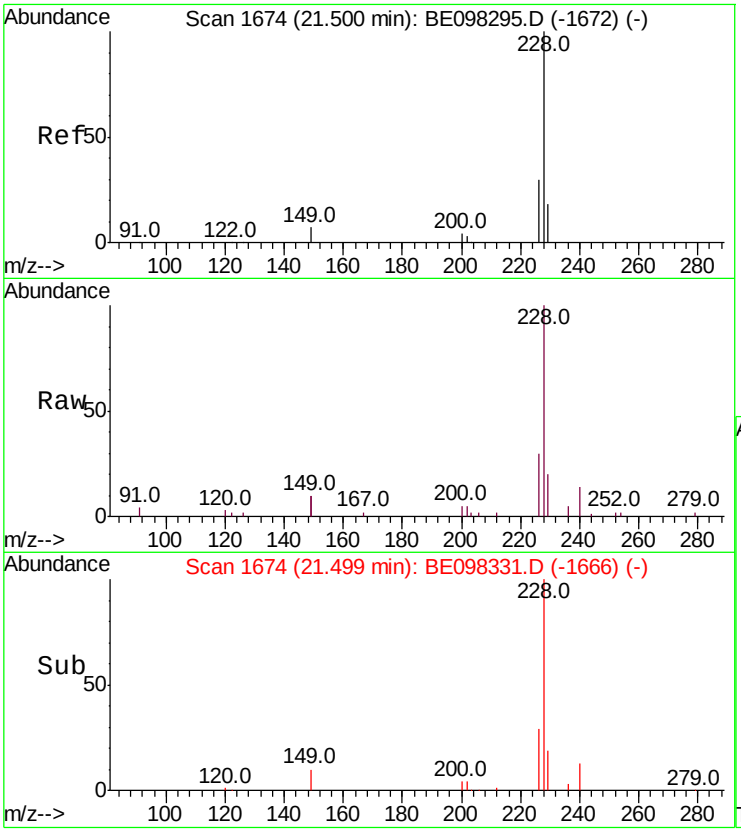


#30
Benzo(a)anthracene
Concen: 0.219 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:228 Resp: 6494

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	21.9	16.3	24.5



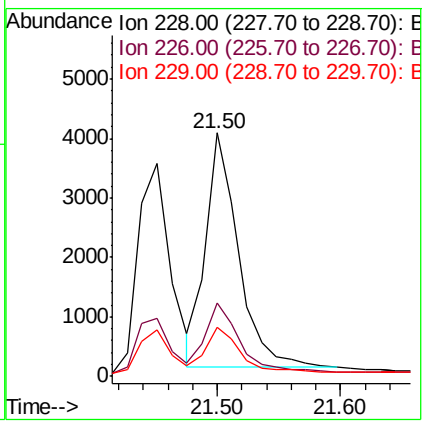


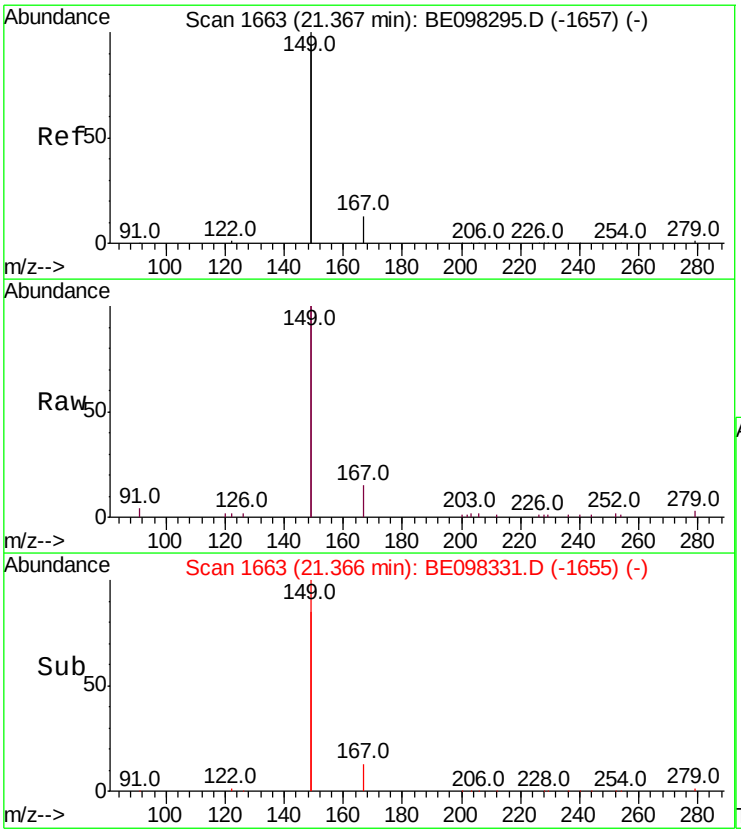
#31
Chrysene
Concen: 0.234 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument : BNA_E
ClientSampleId : PB115391BSD

Tgt Ion:228 Resp: 7294

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	20.1	16.2	24.4

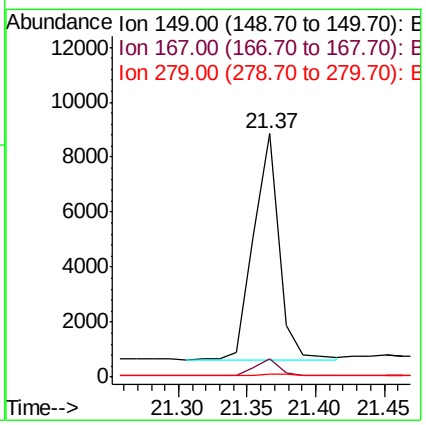


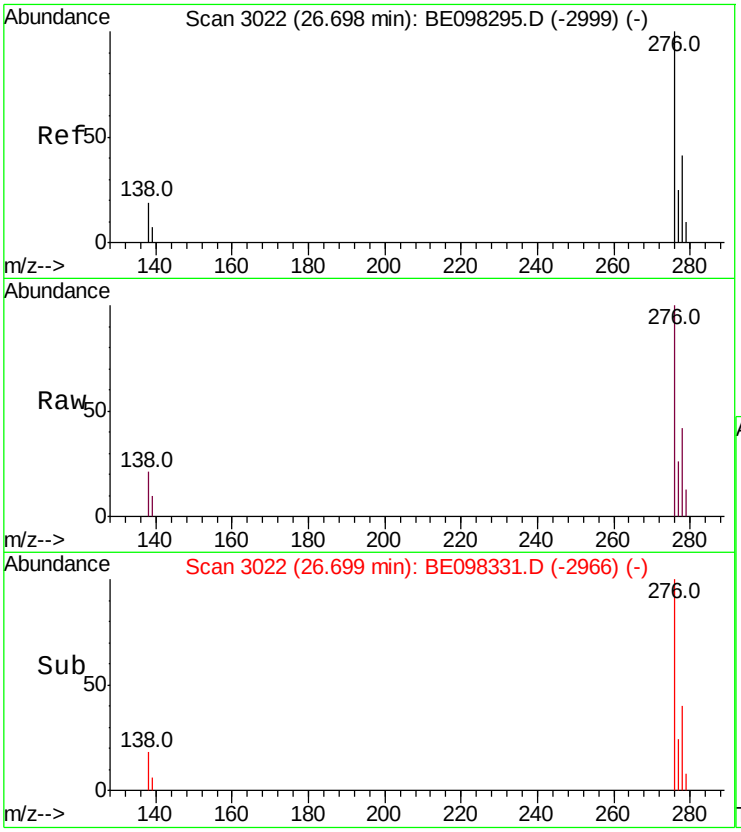


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.175 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:149 Resp: 10585

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.7	8.5
279	1.1	1.0	1.4



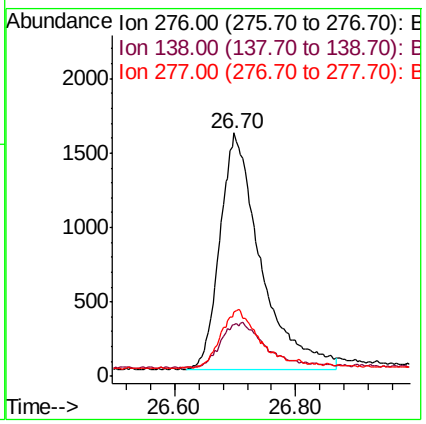


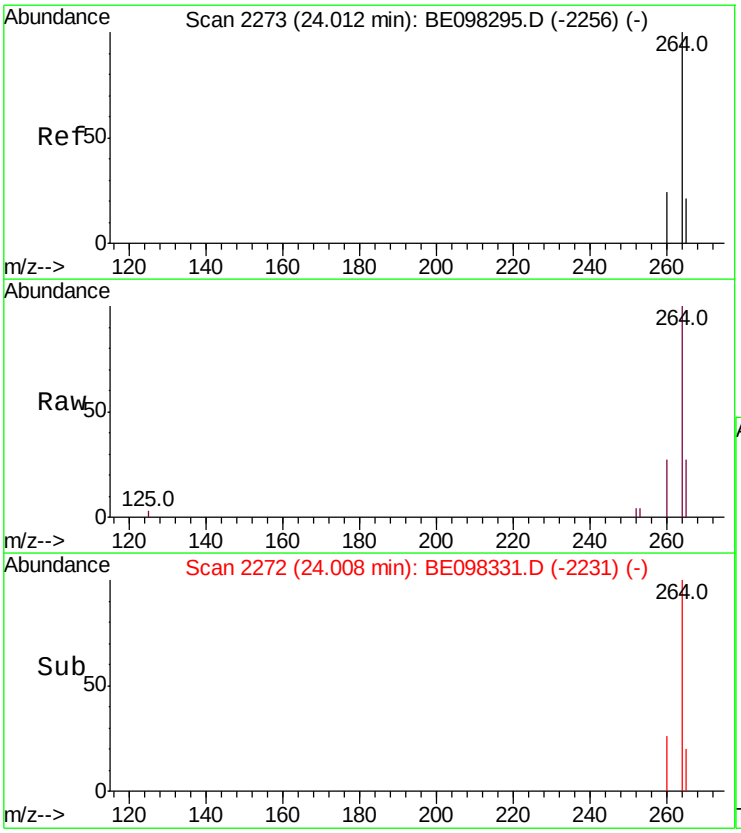
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.239 ng
RT: 26.70 min Scan# 3022
Delta R.T. 0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:276 Resp: 7396

Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.3	24.5
277	22.8	20.2	30.4

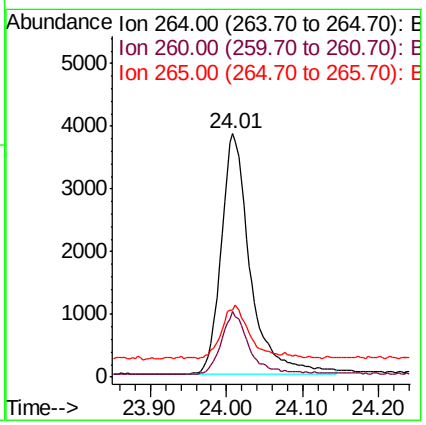


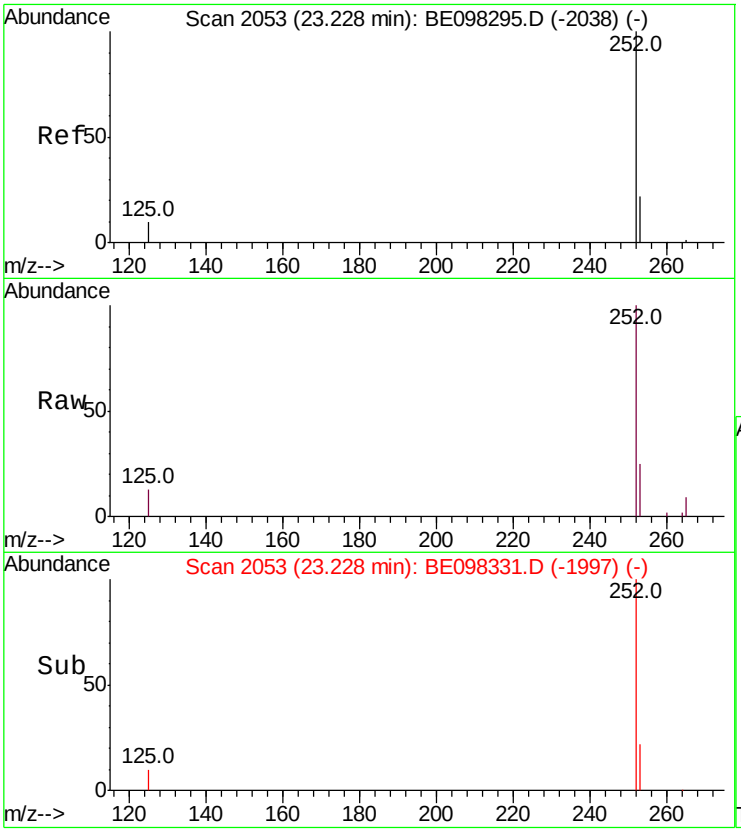


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:264 Resp: 10041

Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.2	30.2
265	27.3	25.2	37.8



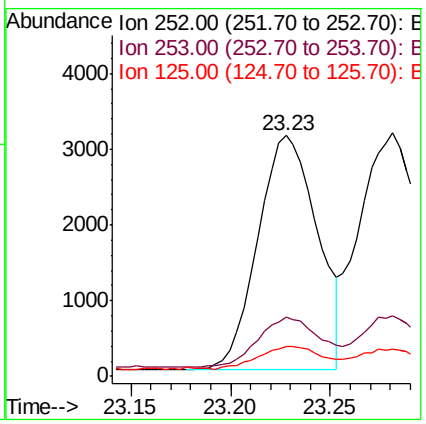


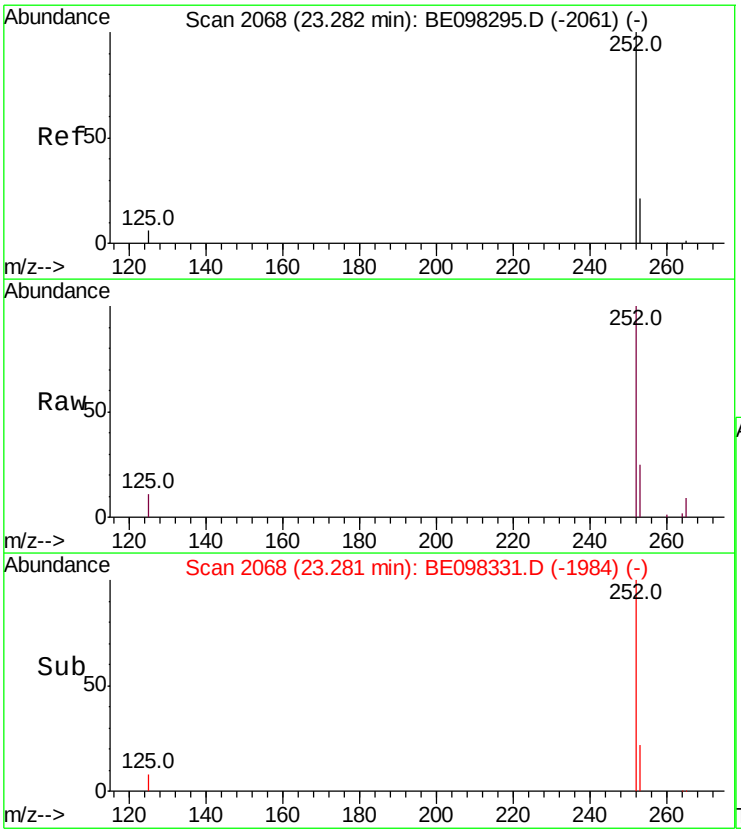
#35
Benzo(b)fluoranthene
Concen: 0.234 ng
RT: 23.23 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:252 Resp: 6415

Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.0	30.0
125	12.6	9.6	14.4

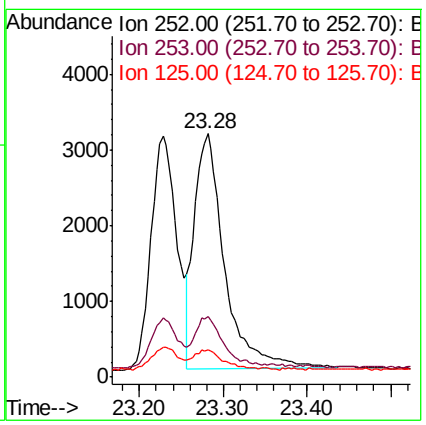


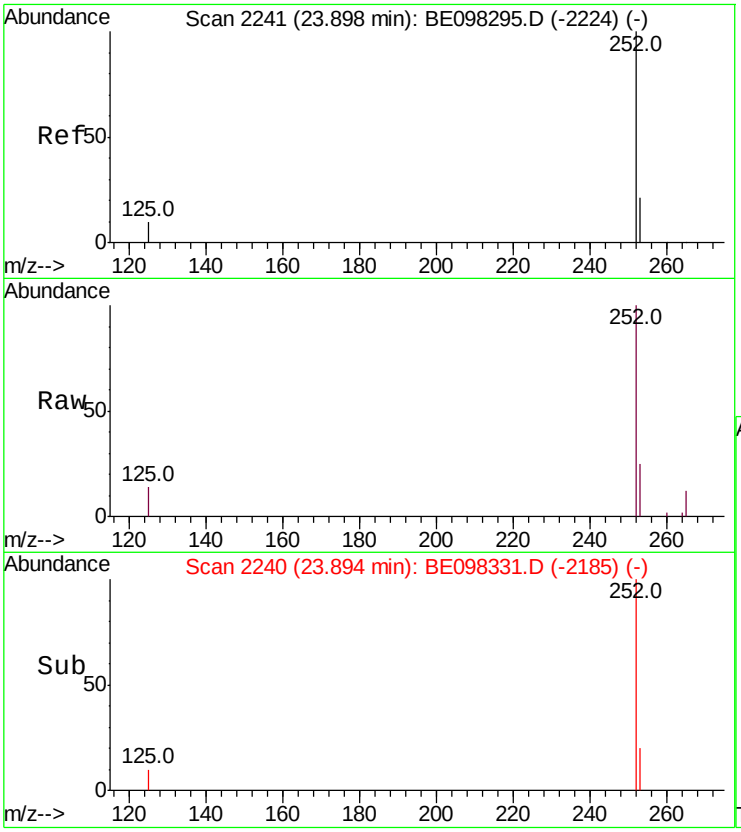


#36
Benzo(k)fluoranthene
Concen: 0.243 ng
RT: 23.28 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:252 Resp: 7788

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	11.3	9.1	13.7



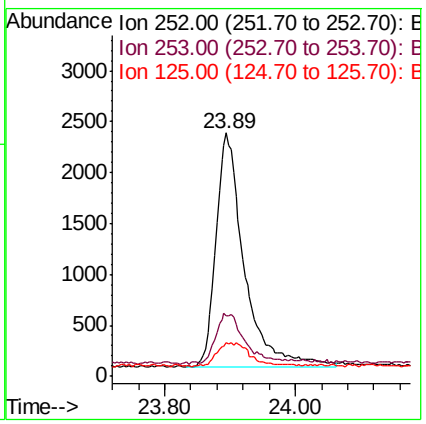


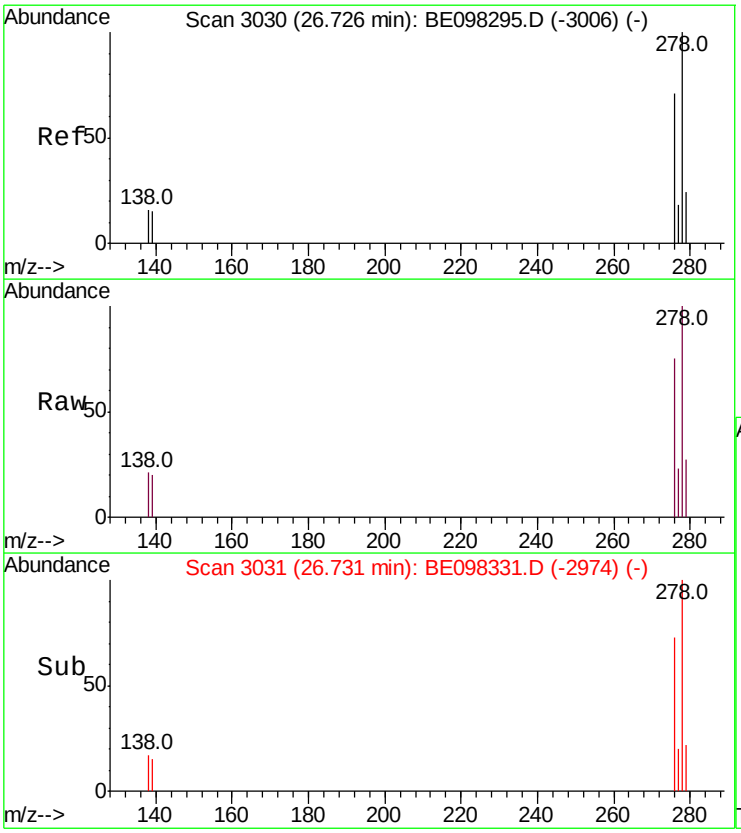
#37
Benzo(a)pyrene
Concen: 0.245 ng
RT: 23.89 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:252 Resp: 6940

Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.6	30.8
125	13.8	10.5	15.7

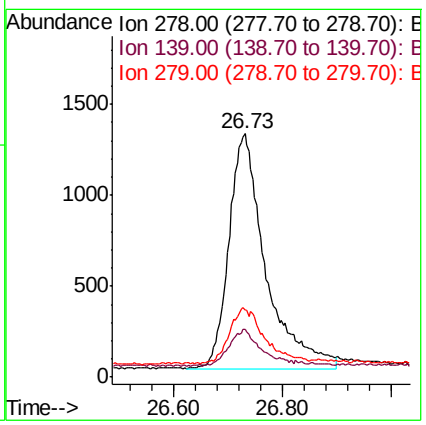


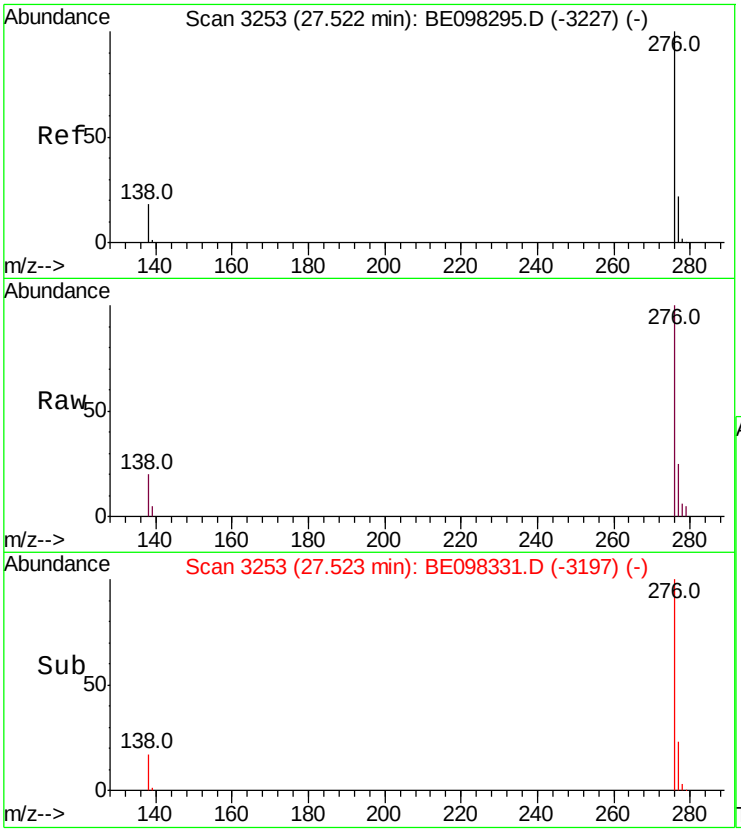


#38
Dibenzo(a,h)anthracene
Concen: 0.229 ng
RT: 26.73 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Tgt Ion:278 Resp: 6110

Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.5	21.7
279	27.4	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.246 ng
RT: 27.52 min Scan# 3253
Delta R.T. 0.00 min
Lab File: BE098331.D
Acq: 11 Dec 2018 13:52

Instrument :
BNA_E
ClientSampleId :
PB115391BSD

Tgt Ion:276 Resp: 6628

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.8	31.2
138	20.2	15.8	23.6