Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122618\
Data File : BE098561.D
Acq On : 26 Dec 2018 11:22
Operator : SJ/JU
Sample : PB115910BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Dec 26 12:36:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	617	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	2589	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1738	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	5698	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8588	0.40	ng	-0.01
34) Perylene-d12	23.98	264	7650	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	726	0.50	ng	0.00
5) Phenol-d6	7.04	99	958	0.47	ng	0.00
8) Nitrobenzene-d5	9.02	82	828	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2103	0.50	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	352	0.55	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	2788	0.38	ng	-0.01
25) Fluoranthene-d10	19.29	212	35300	0.48	ng	-0.02
29) Terphenyl-d14	19.89	244	7819	0.37	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.36	88	313	0.293	ng	# 47
3) n-Nitrosodimethylamine	3.69	42	404	0.421	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	537	0.276	ng	98
9) Naphthalene	10.69	128	9852	0.378	ng	99
10) Hexachlorobutadiene	10.98	225	609	0.367	ng	99
12) 2-Methylnaphthalene	12.32	142	1612	0.381	ng	95
16) Acenaphthylene	14.23	152	2959	0.363	ng	99
17) Acenaphthene	14.57	154	1749	0.358	ng	98
18) Fluorene	15.56	166	2733	0.418	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	928	0.303	ng	91
21) Hexachlorobenzene	16.57	284	1136	0.345	ng	94
22) Pentachlorophenol	16.93	266	492	0.812	ng	93
23) Phenanthrene	17.30	178	5467	0.395	ng	98
24) Anthracene	17.40	178	4398	0.356	ng	98
26) Fluoranthene	19.32	202	8258	0.451	ng	98
28) Pyrene	19.69	202	8465	0.314	ng	99
30) Benzo(a)anthracene	21.43	228	9507	0.389	ng	100
31) Chrysene	21.49	228	9509	0.371	ng	99
32) Bis(2-ethylhexyl)phthalate	21.34	149	14966	0.301	ng	99
33) Indeno(1,2,3-cd)pyrene	26.66	276	9582	0.376	ng	96
35) Benzo(b)fluoranthene	23.20	252	9015	0.431	ng	96
36) Benzo(k)fluoranthene	23.20	252	9015	0.370	ng	98
37) Benzo(a)pyrene	23.87	252	8513	0.394	ng	97
38) Dibenzo(a,h)anthracene	26.68	278	7405	0.364	ng	97
39) Benzo(g,h,i)perylene	27.48	276	8265	0.403	ng	98

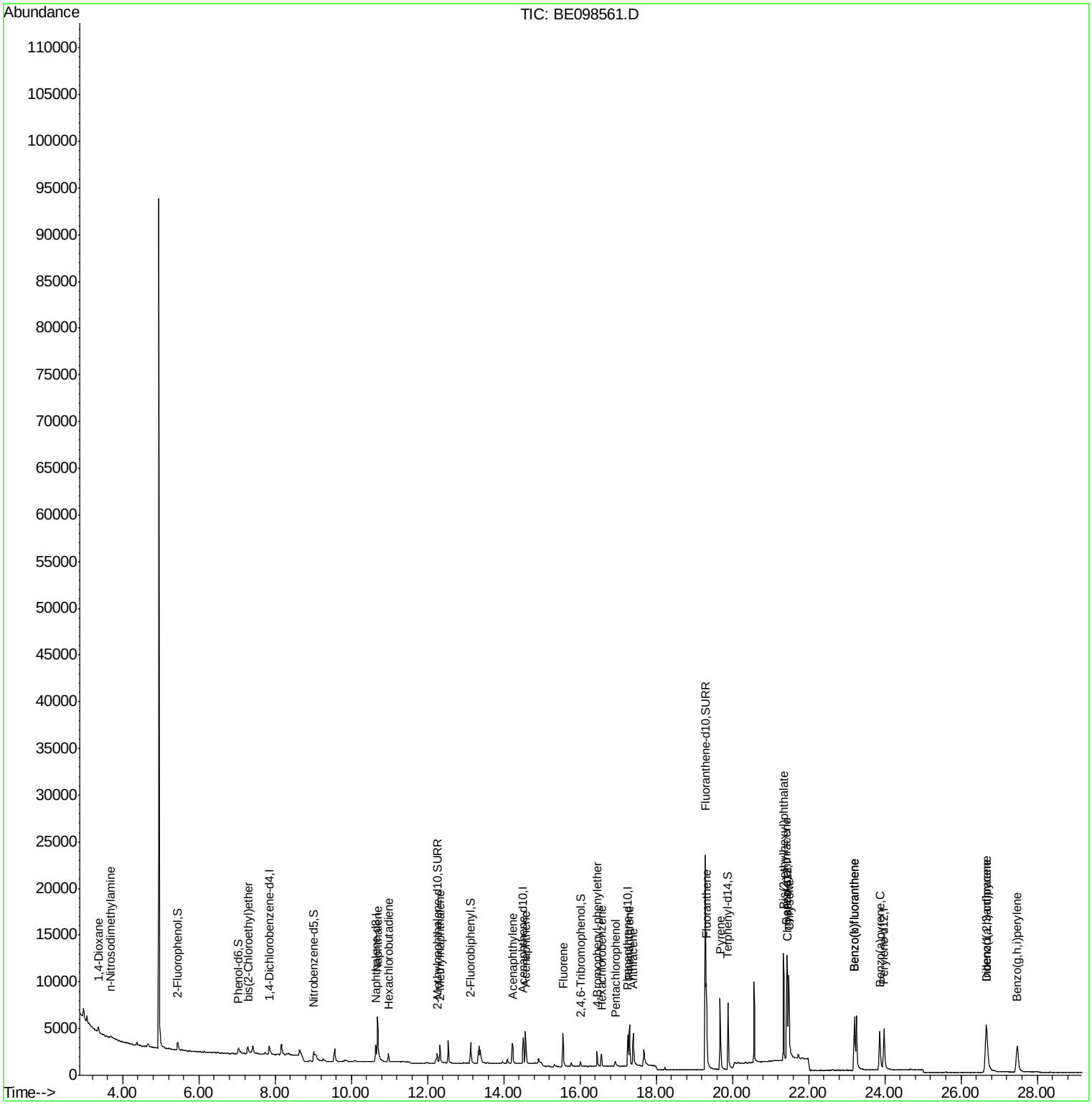
(#) = qualifier out of range (m) = manual integration (+) = signals summed

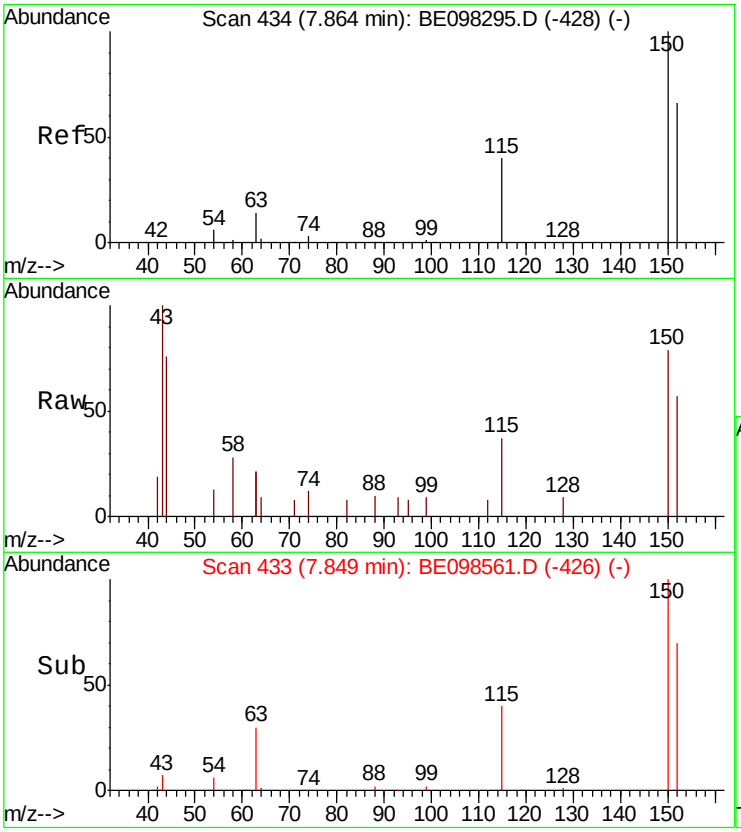
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122618\
Data File : BE098561.D
Acq On : 26 Dec 2018 11:22
Operator : SJ/JU
Sample : PB115910BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 26 12:36:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



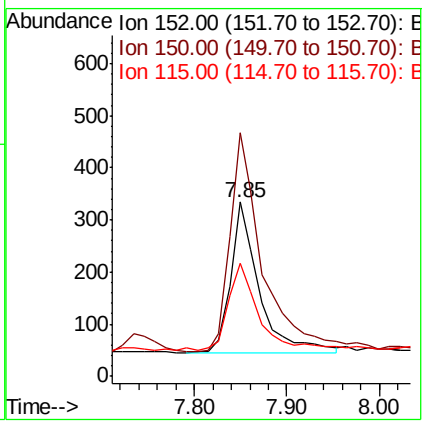


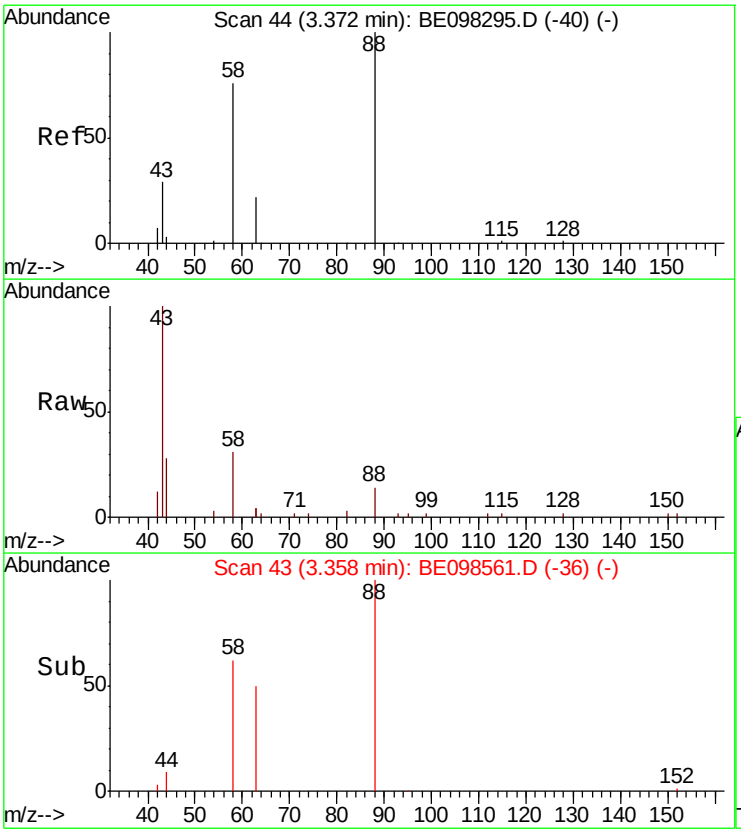
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 617

Ion	Ratio	Lower	Upper
152	100		
150	139.8	124.2	186.4
115	65.0	53.9	80.9

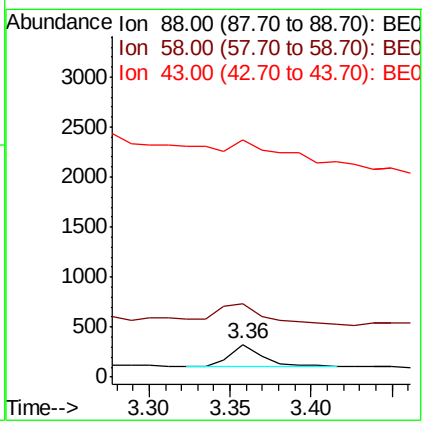


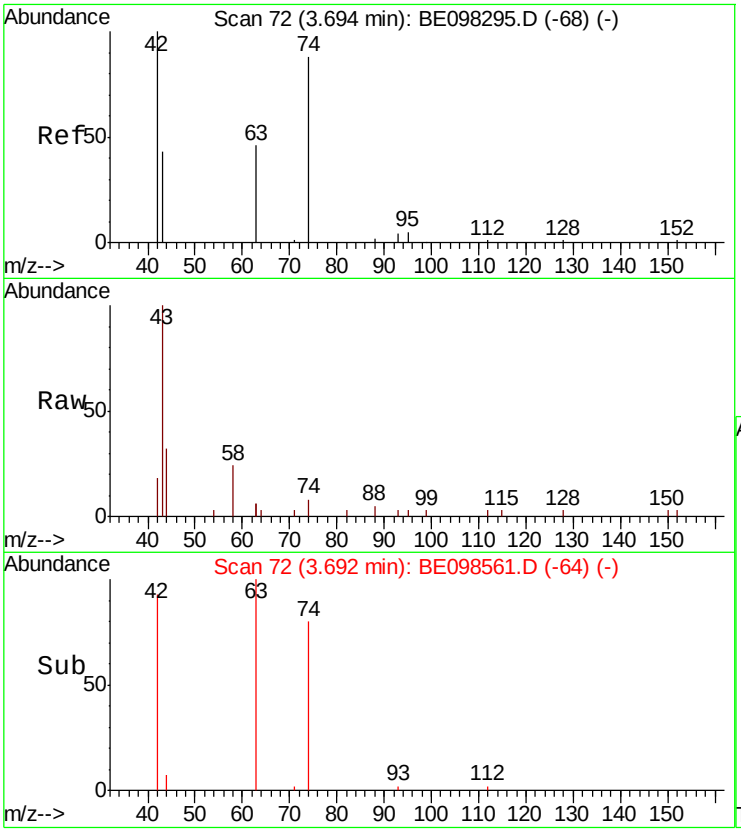


#2
1,4-Dioxane
Concen: 0.293 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion: 88 Resp: 313

Ion	Ratio	Lower	Upper
88	100		
58	135.5	75.0	112.6#
43	0.0	38.3	57.5#



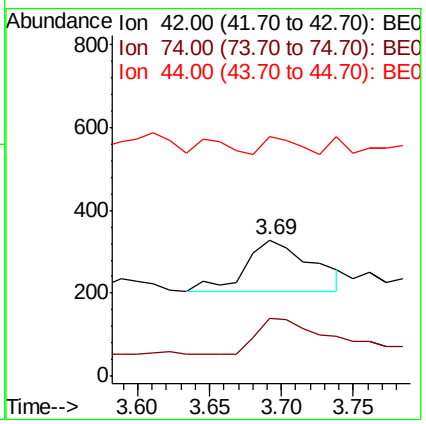


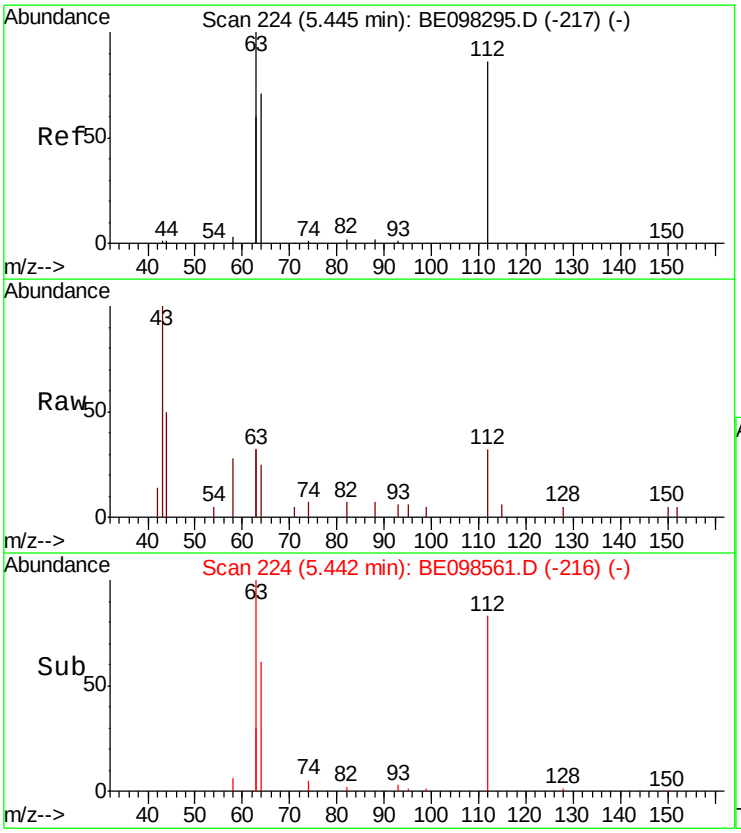
#3
n-Nitrosodimethylamine
Concen: 0.421 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 404

Ion	Ratio	Lower	Upper
42	100		
74	61.9	0.0	0.0#
44	16.8	0.0	0.0#

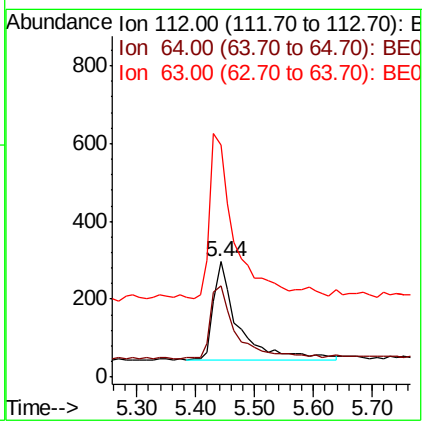


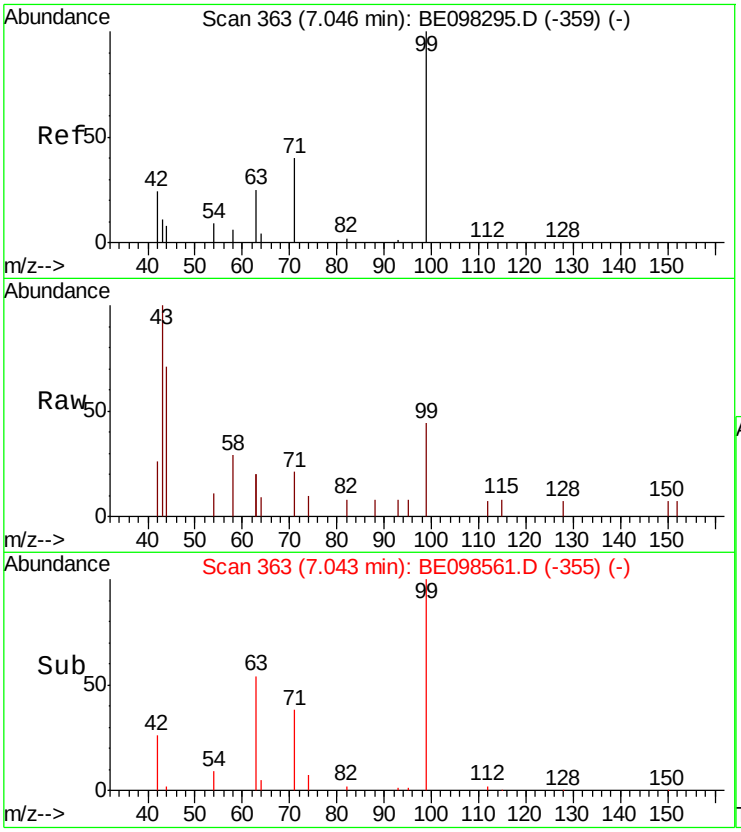


#4
2-Fluorophenol
Concen: 0.503 ng
RT: 5.44 min Scan# 224
Delta R.T. -0.00 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:112 Resp: 726

Ion	Ratio	Lower	Upper
112	100		
64	81.5	59.8	89.8
63	168.3	133.7	200.5



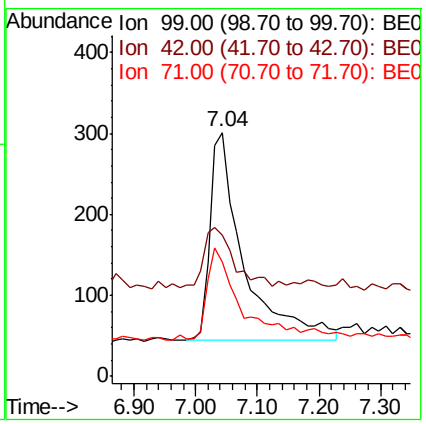


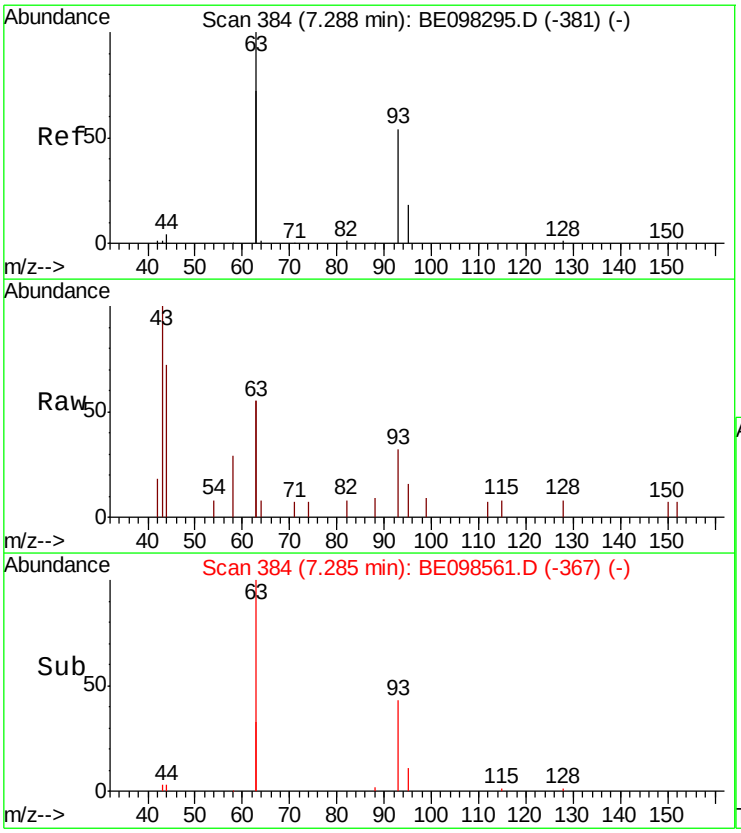
#5
Phenol-d6
Concen: 0.468 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 958

Ion	Ratio	Lower	Upper
99	100		
42	27.0	26.3	39.5
71	43.5	33.6	50.4

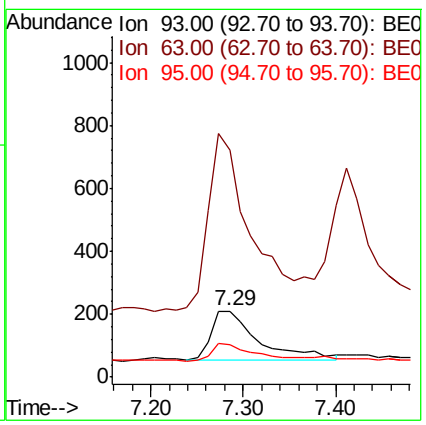


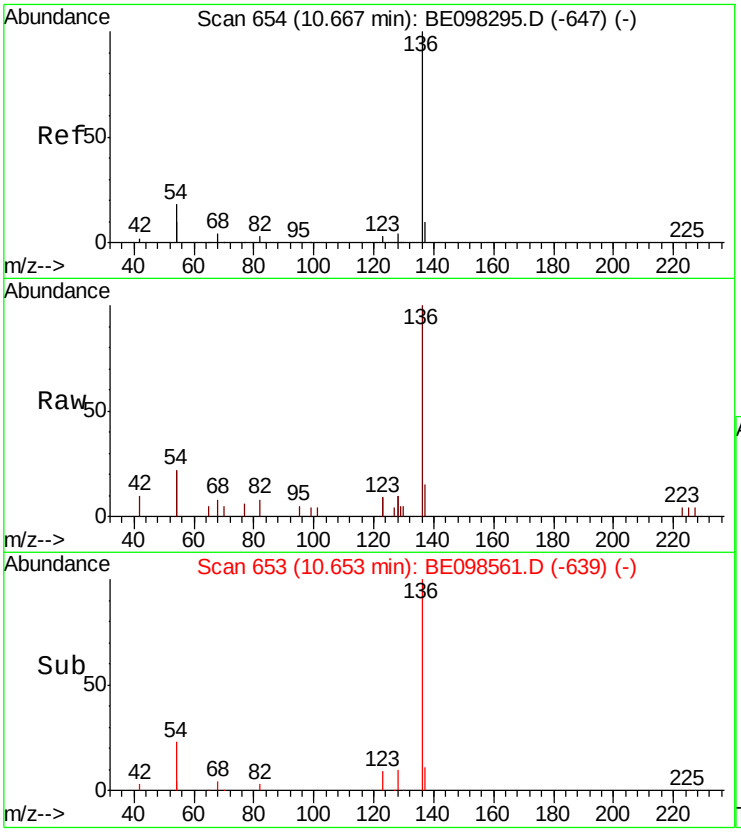


#6
bis(2-Chloroethyl)ether
Concen: 0.276 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion: 93 Resp: 537

Ion	Ratio	Lower	Upper
93	100		
63	334.3	264.4	396.6
95	33.1	26.6	40.0



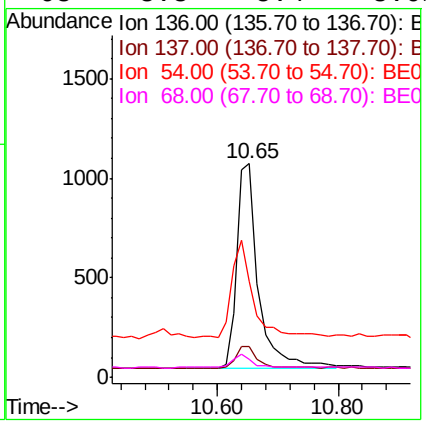


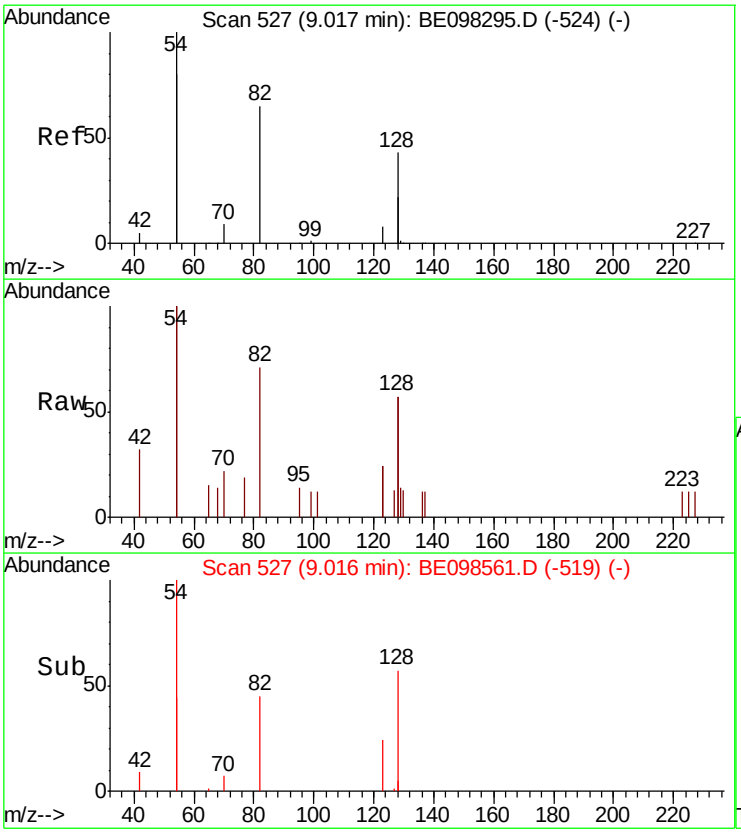
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 2589

Ion	Ratio	Lower	Upper
136	100		
137	14.5	9.2	13.8#
54	44.7	28.4	42.6#
68	8.3	5.4	8.0#

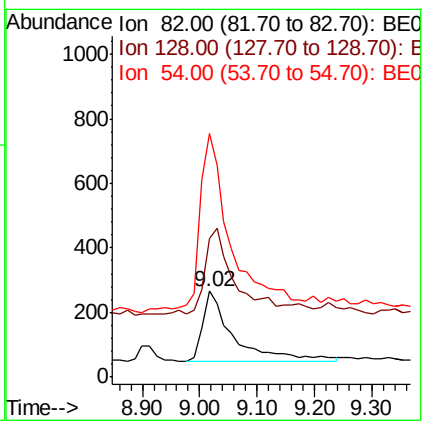


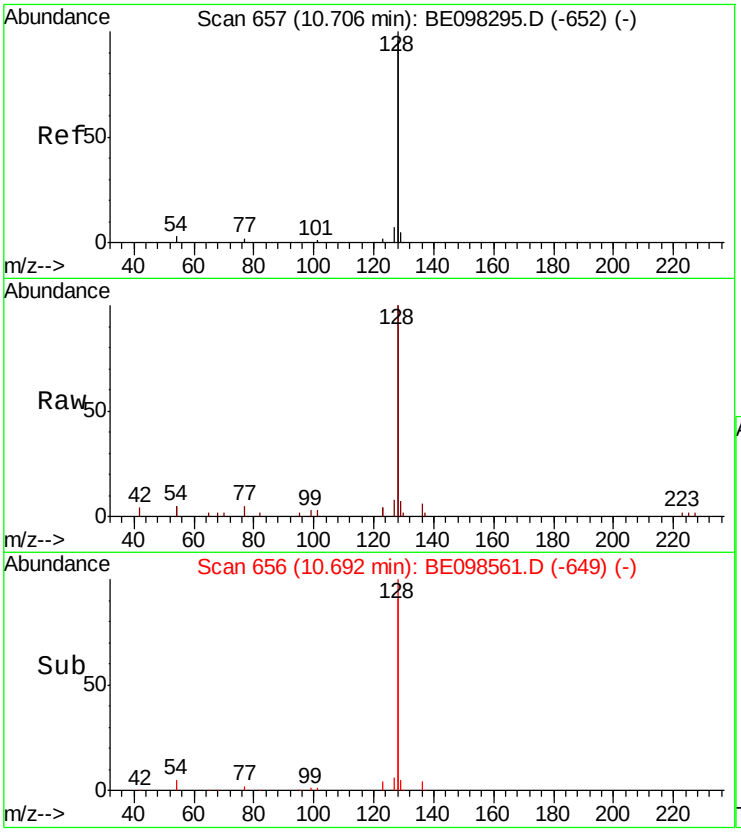


#8
Nitrobenzene-d5
Concen: 0.351 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion: 82 Resp: 828

Ion	Ratio	Lower	Upper
82	100		
128	161.7	102.4	153.6#
54	283.5	221.8	332.8



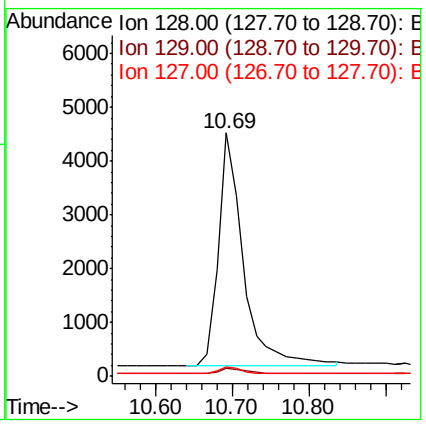


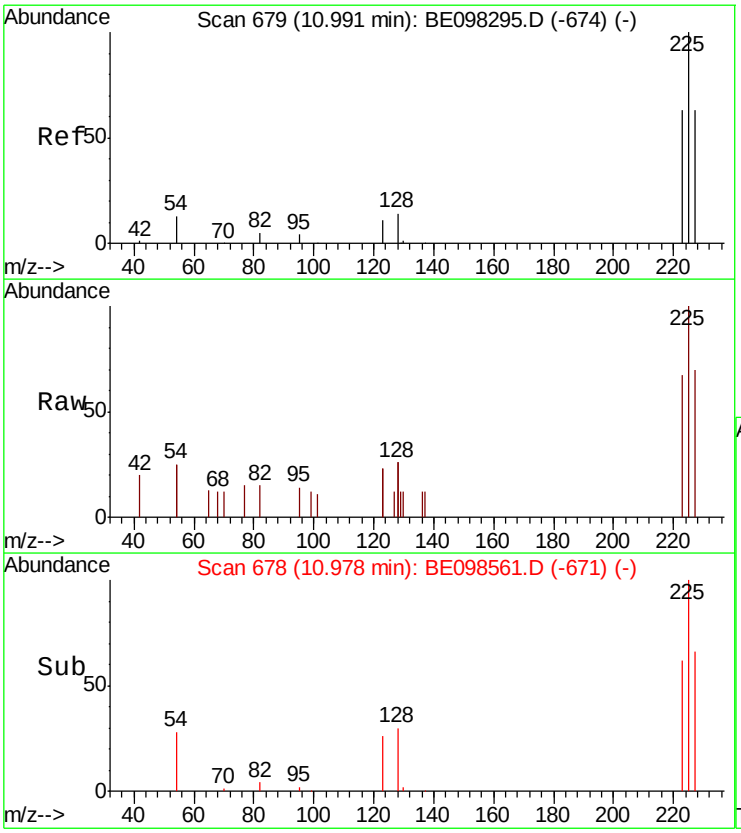
#9
Naphthalene
Concen: 0.378 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 9852

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.5	3.7
127	4.0	2.7	4.1

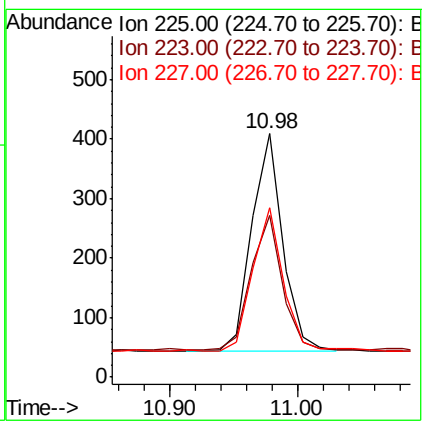


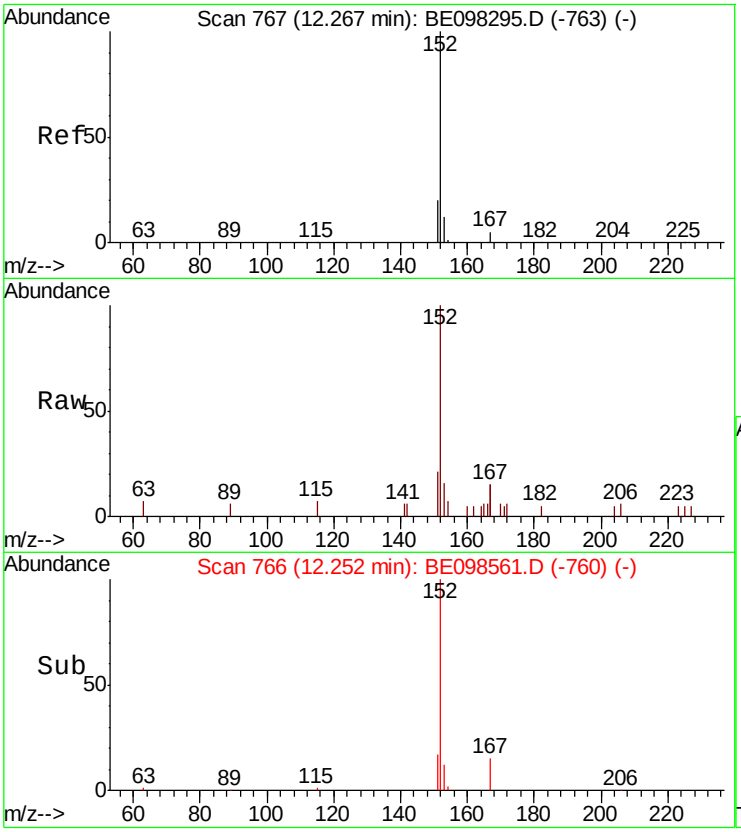


#10
Hexachlorobutadiene
Concen: 0.367 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:225 Resp: 609

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.4	74.0
227	65.5	52.0	78.0



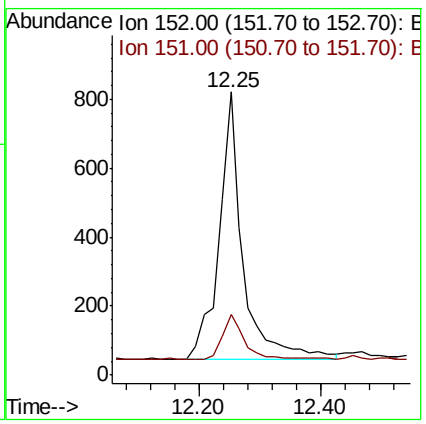


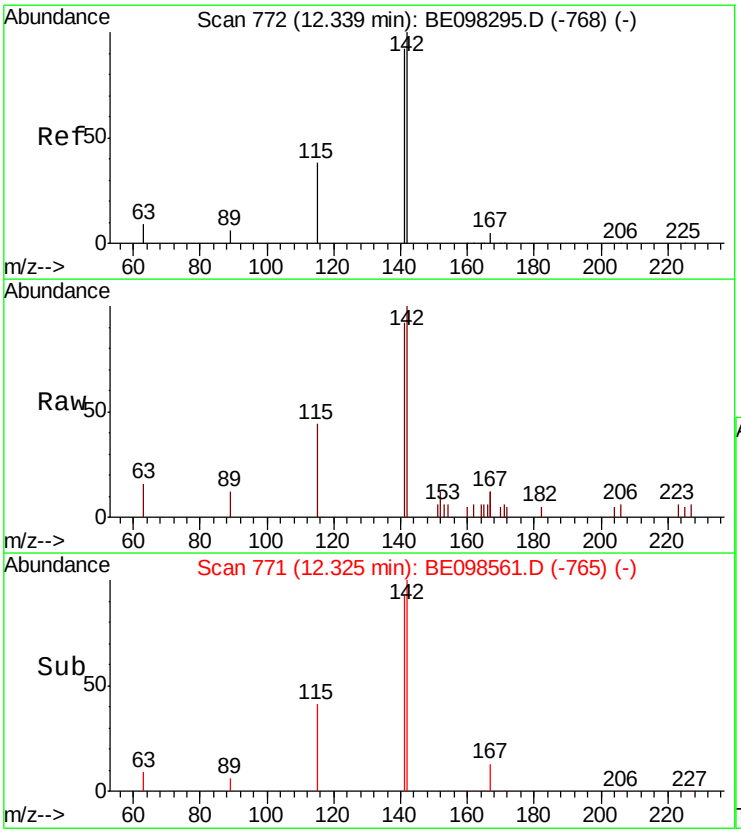
#11
2-Methylnaphthalene-d10
Concen: 0.500 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 2103

Ion	Ratio	Lower	Upper
152	100		
151	15.6	16.2	24.4#

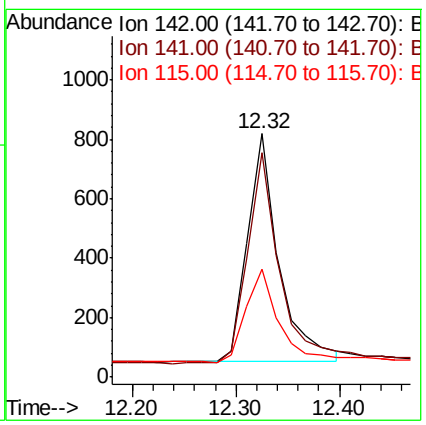


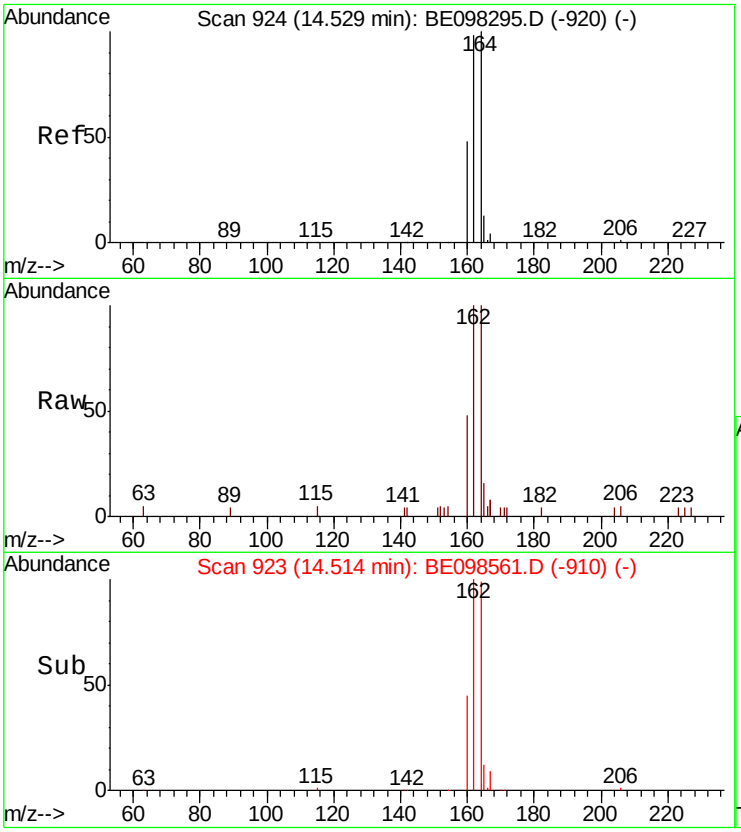


#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:142 Resp: 1612

Ion	Ratio	Lower	Upper
142	100		
141	92.1	71.0	106.6
115	44.4	32.2	48.2



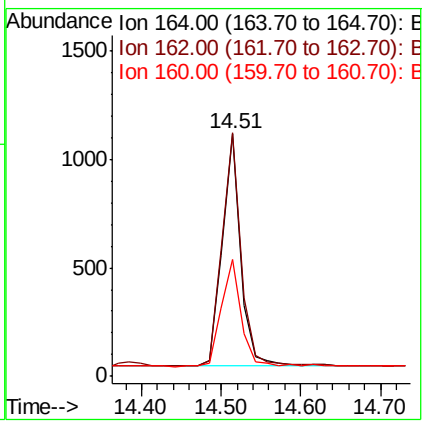


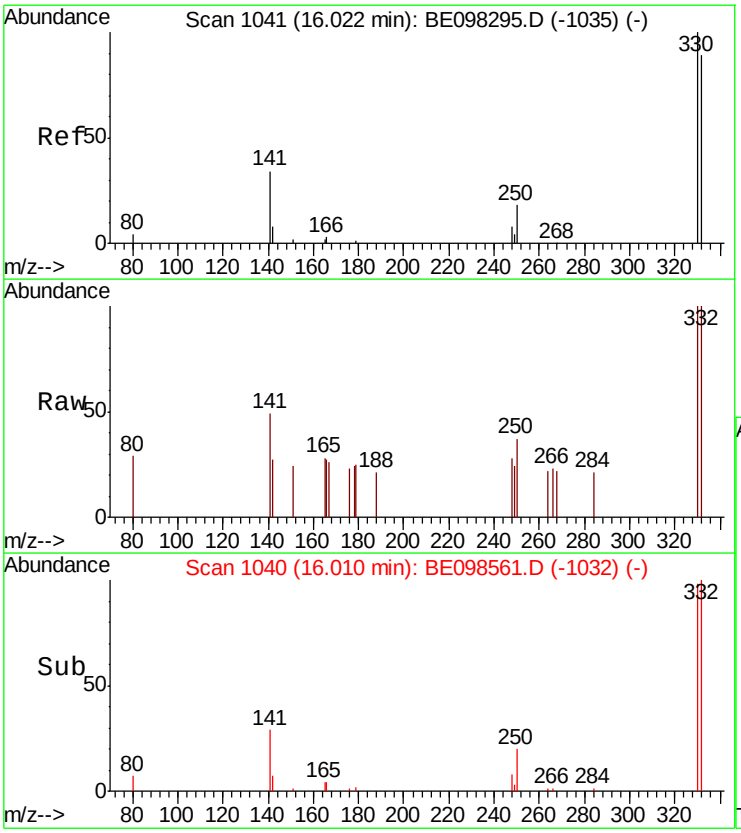
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1738

Ion	Ratio	Lower	Upper
164	100		
162	100.3	77.6	116.4
160	47.9	36.0	54.0

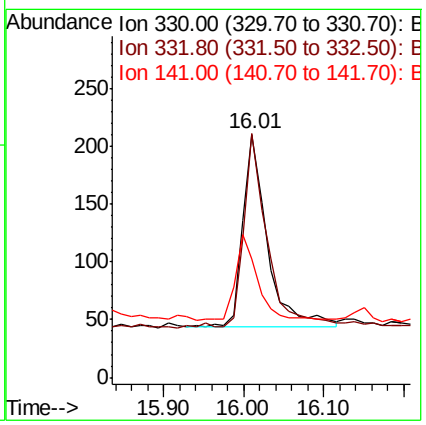


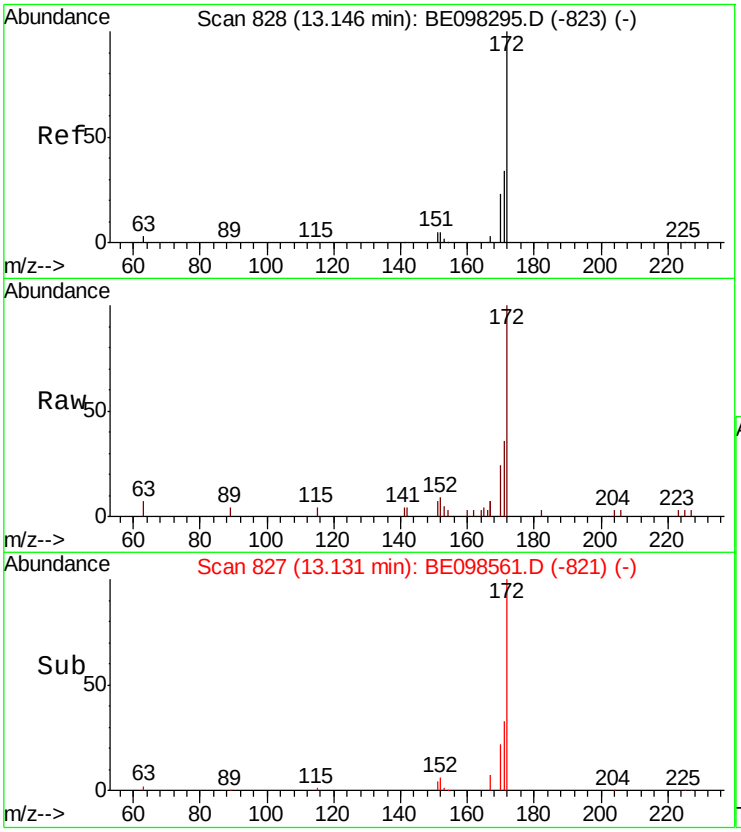


#14
2,4,6-Tribromophenol
Concen: 0.552 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:330 Resp: 352

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.2	114.4
141	39.5	39.0	58.4



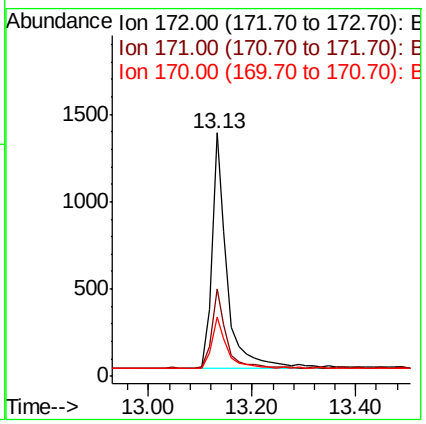


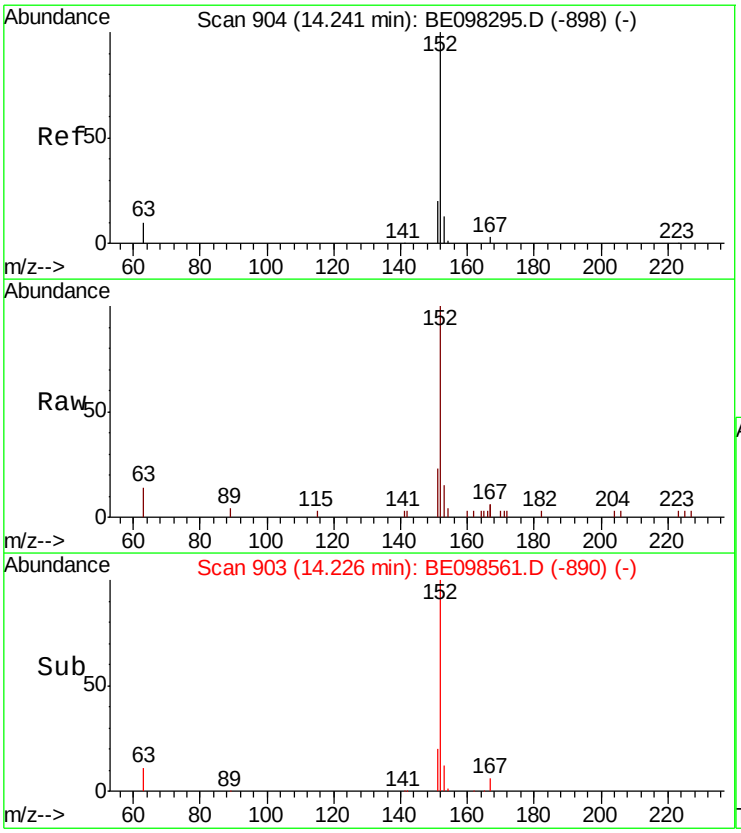
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2788

Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.5	41.3
170	24.3	19.6	29.4

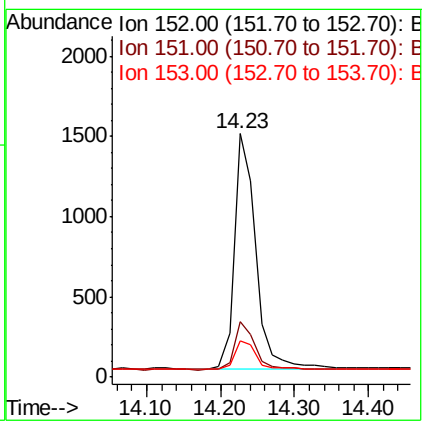


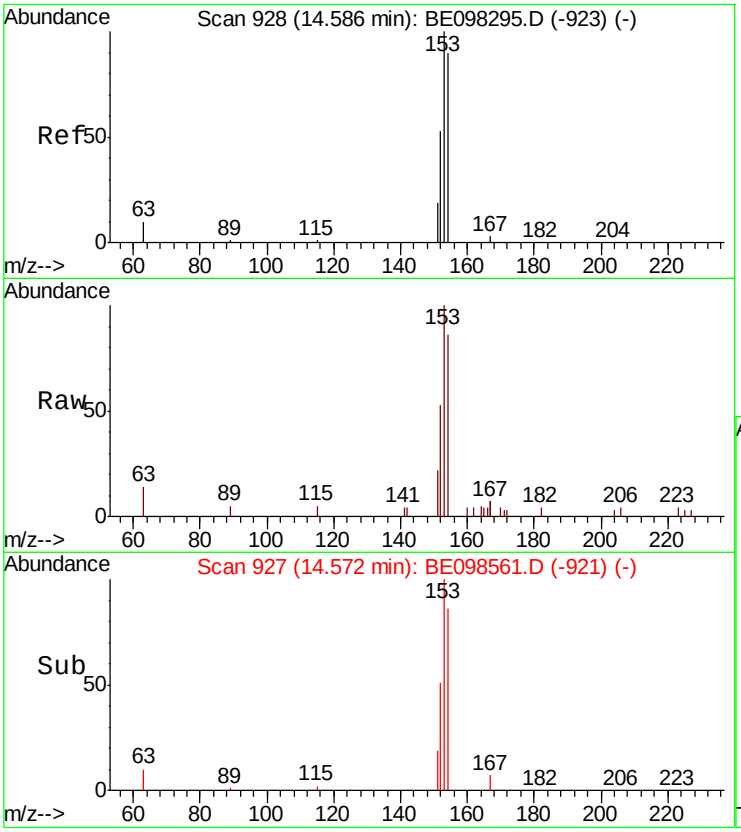


#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:152 Resp: 2959

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3
153	12.9	10.6	16.0



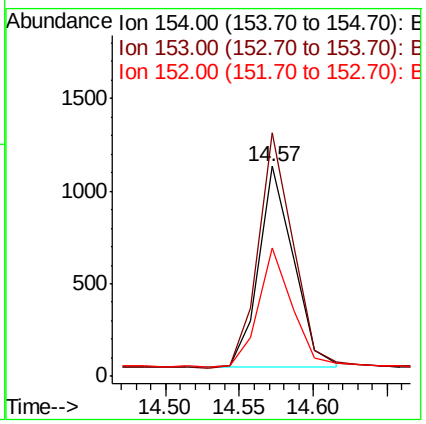


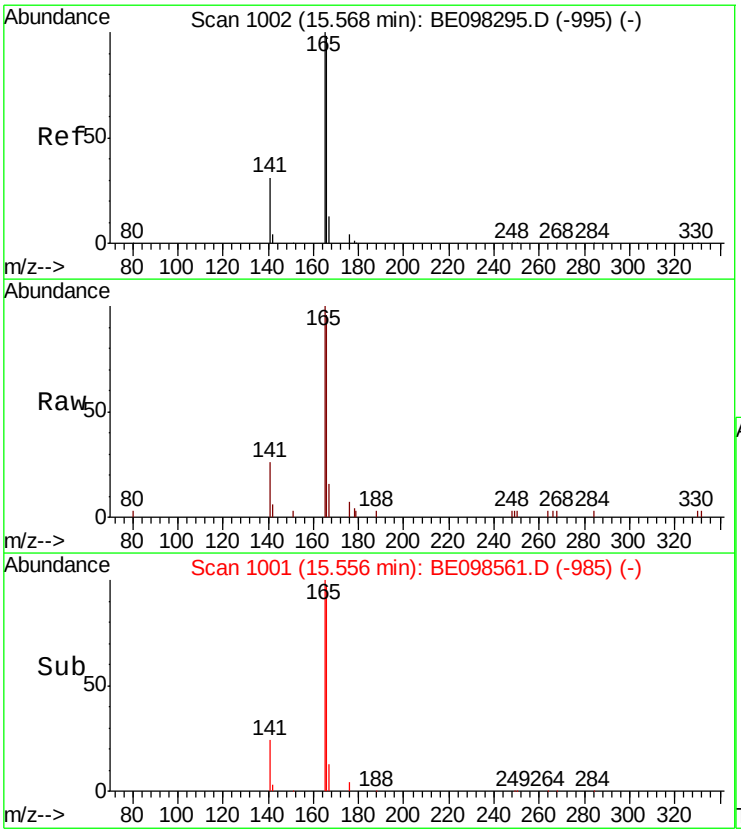
#17
Acenaphthene
Concen: 0.358 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1749

Ion	Ratio	Lower	Upper
154	100		
153	117.2	91.8	137.6
152	57.7	45.5	68.3

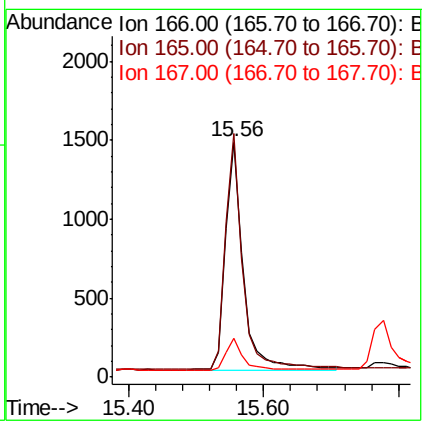


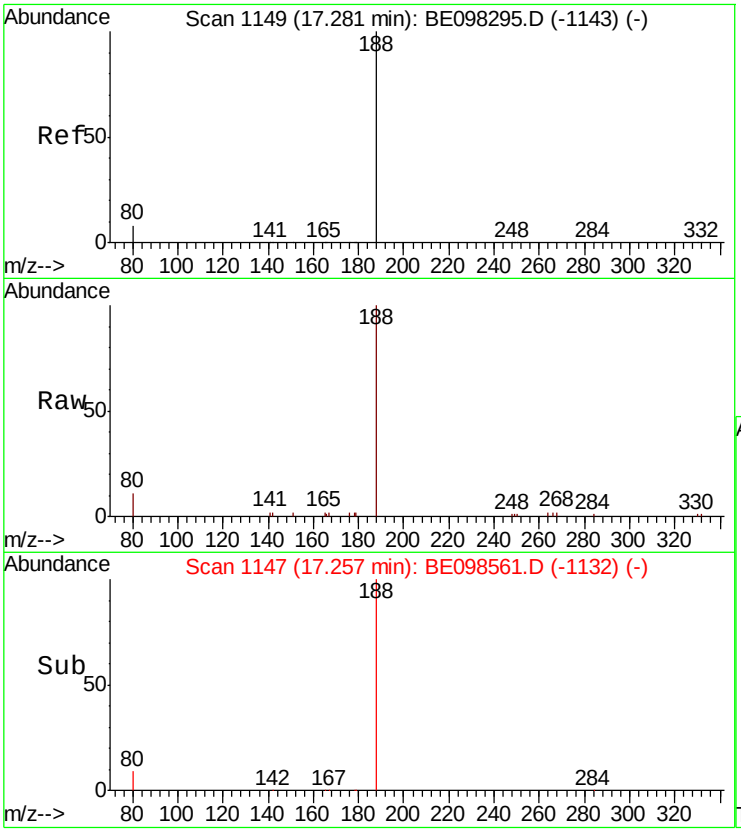


#18
Fluorene
Concen: 0.418 ng
RT: 15.56 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:166 Resp: 2733

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.3	118.9
167	12.7	11.3	16.9



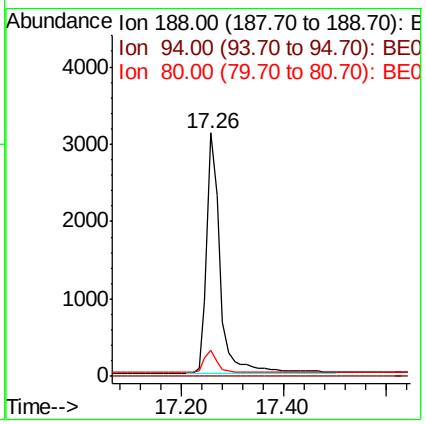


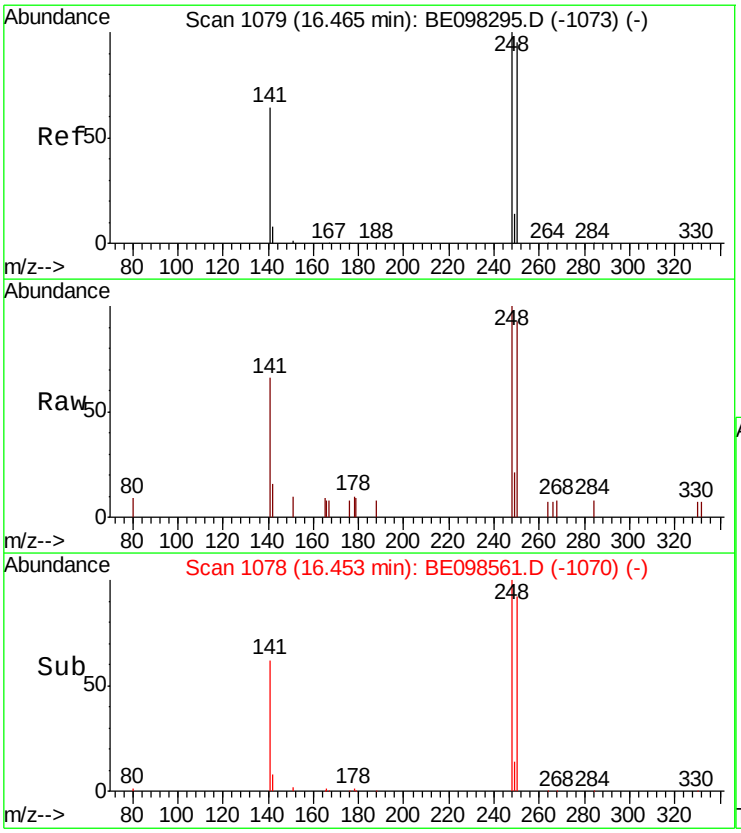
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.26 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 5698

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	7.2	10.8#

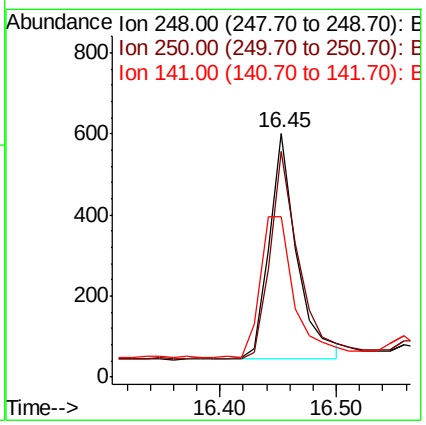


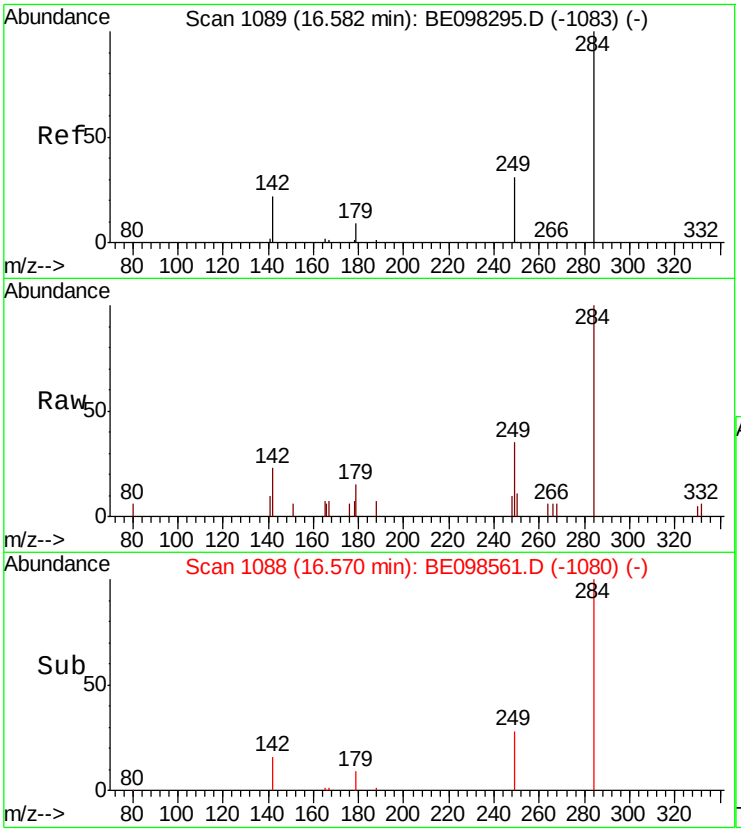


#20
4-Bromophenyl-phenylether
Concen: 0.303 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:248 Resp: 928

Ion	Ratio	Lower	Upper
248	100		
250	92.7	71.0	106.6
141	65.9	62.1	93.1



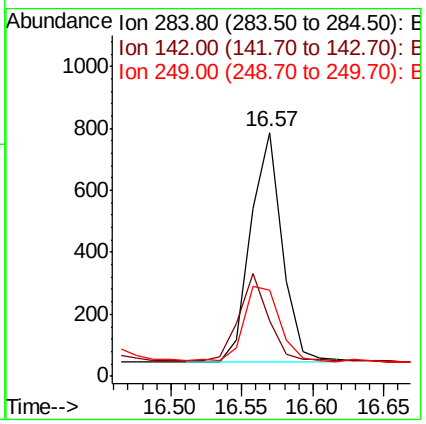


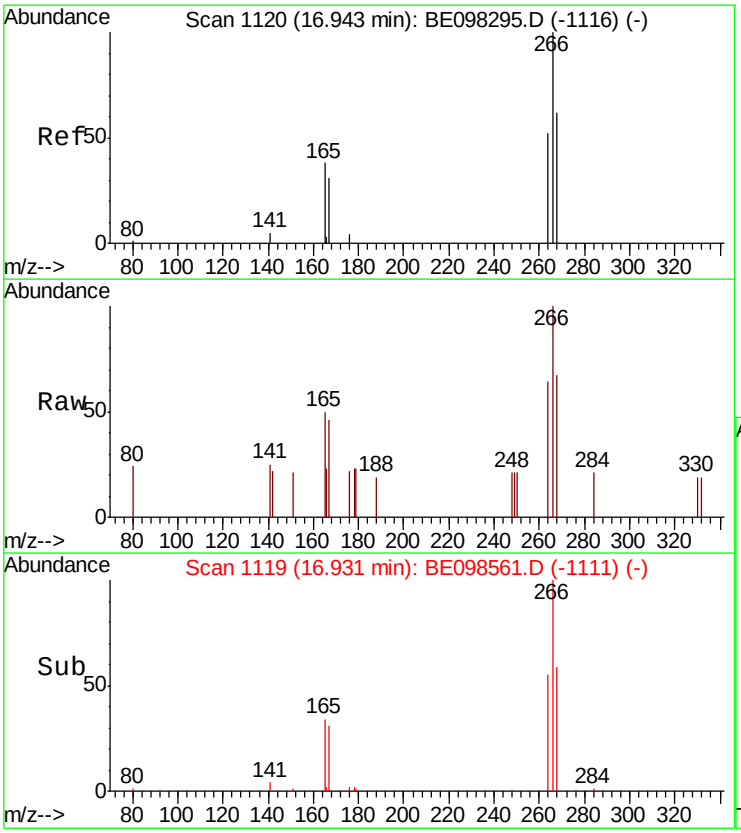
#21
Hexachlorobenzene
Concen: 0.345 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1136

Ion	Ratio	Lower	Upper
284	100		
142	35.1	26.3	39.5
249	37.5	26.0	39.0

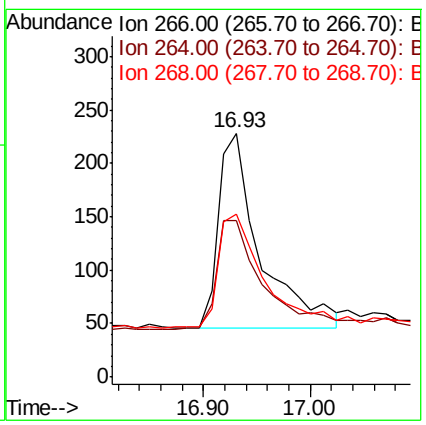


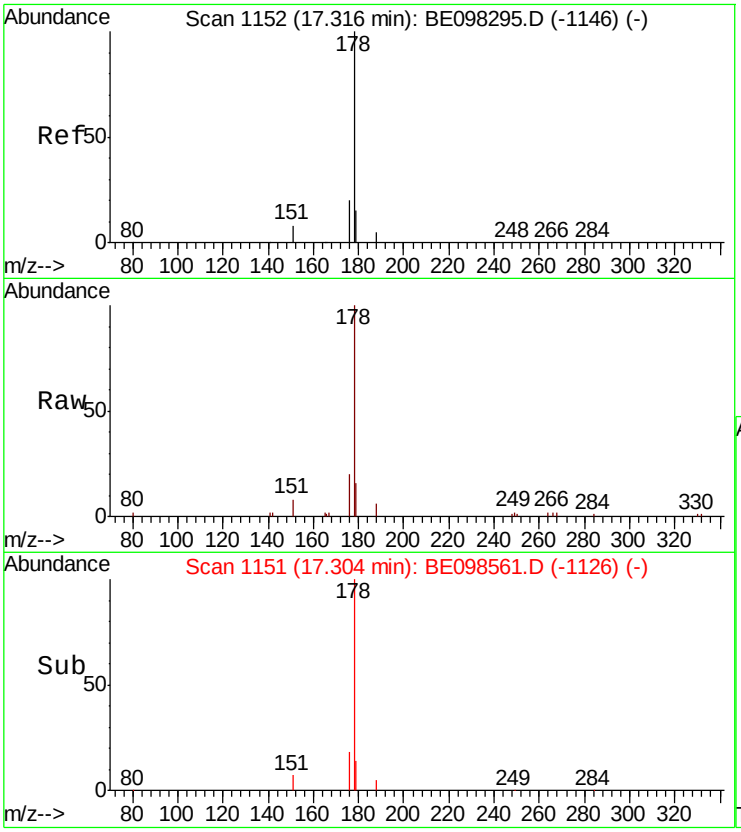


#22
Pentachlorophenol
Concen: 0.812 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:266 Resp: 492

Ion	Ratio	Lower	Upper
266	100		
264	64.0	59.0	88.4
268	67.1	55.1	82.7



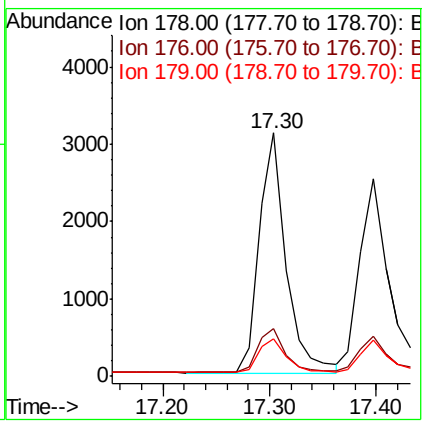


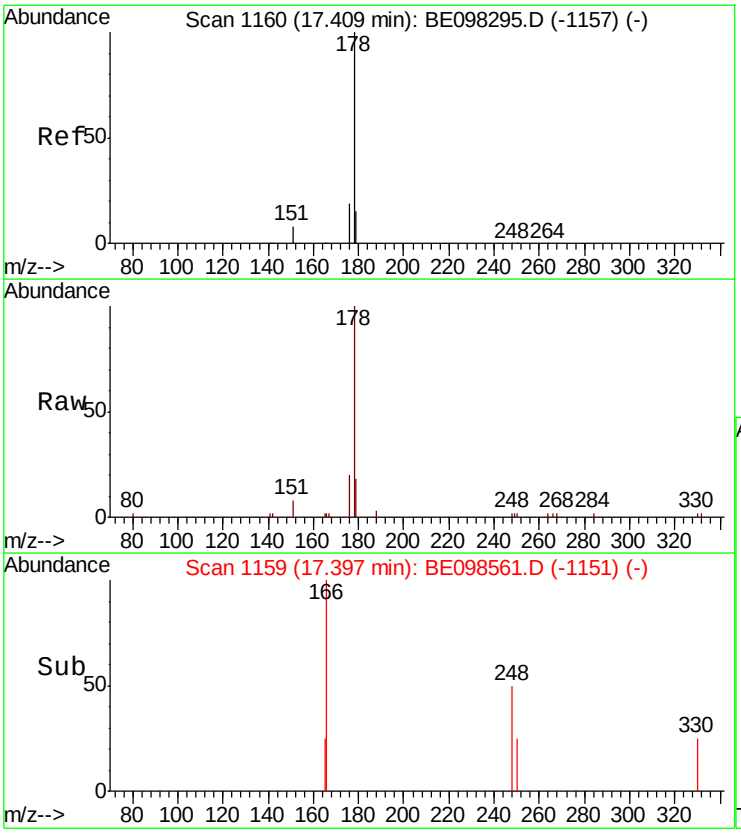
#23
Phenanthrene
Concen: 0.395 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 5467

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.3	12.3	18.5

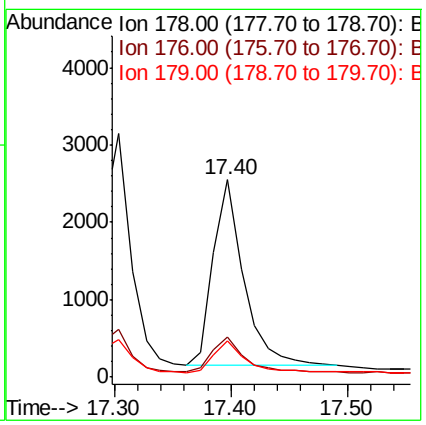


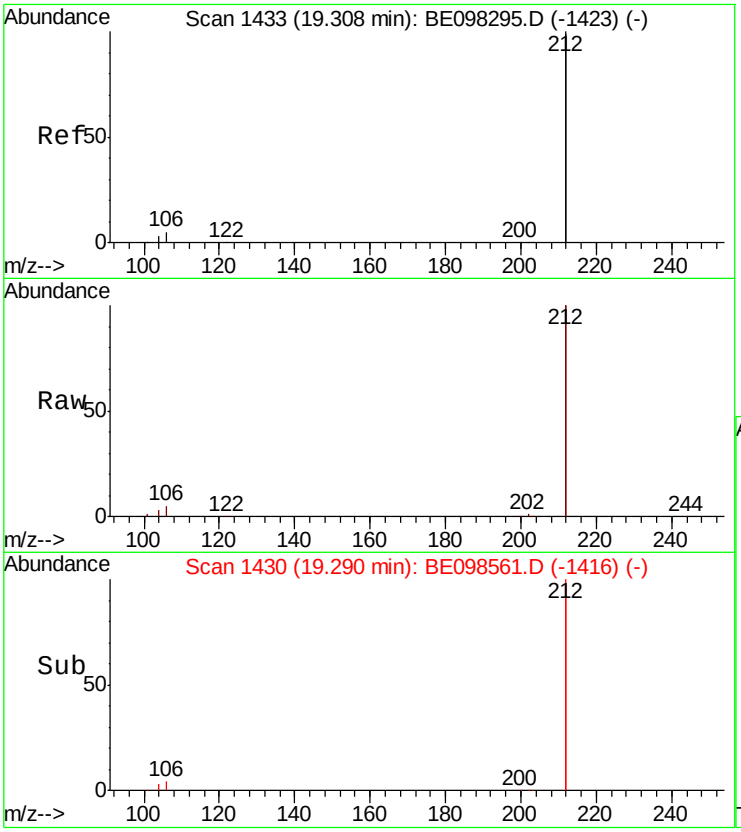


#24
Anthracene
Concen: 0.356 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:178 Resp: 4398

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	16.8	12.3	18.5



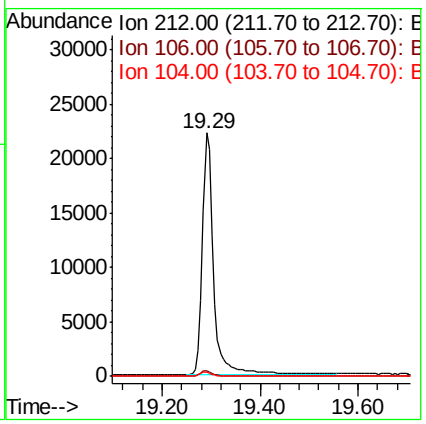


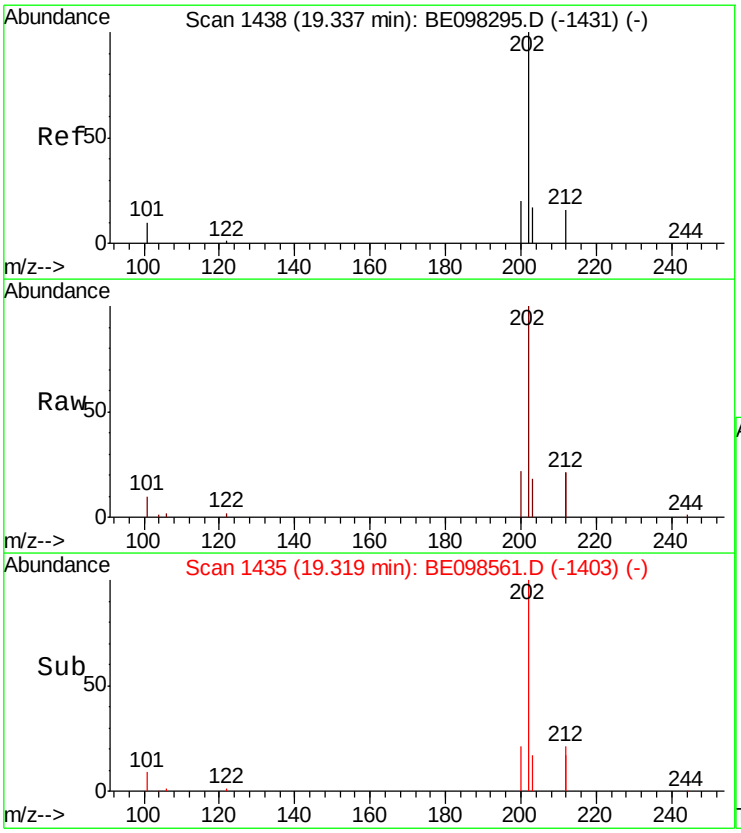
#25
Fluoranthene-d10
Concen: 0.483 ng
RT: 19.29 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 35300

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

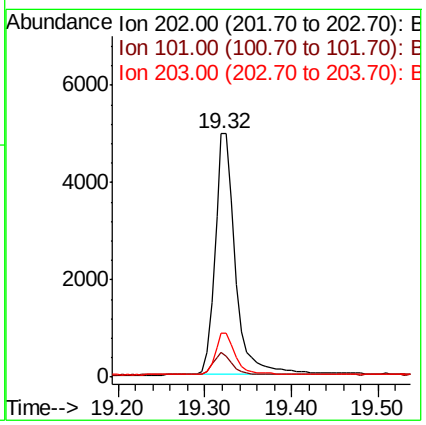


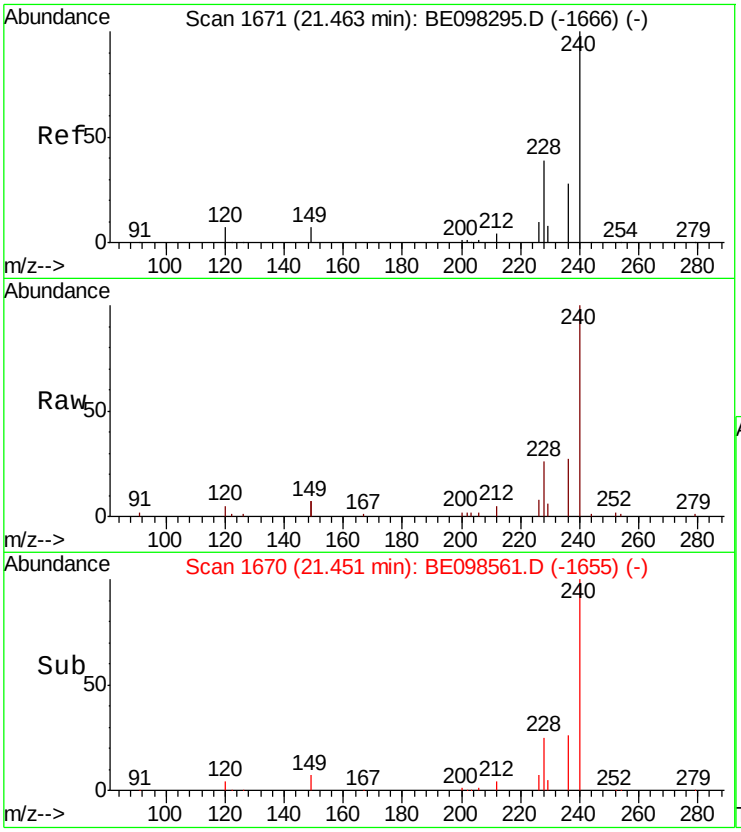


#26
Fluoranthene
Concen: 0.451 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:202 Resp: 8258

Ion	Ratio	Lower	Upper
202	100		
101	8.6	8.0	12.0
203	17.1	13.8	20.6



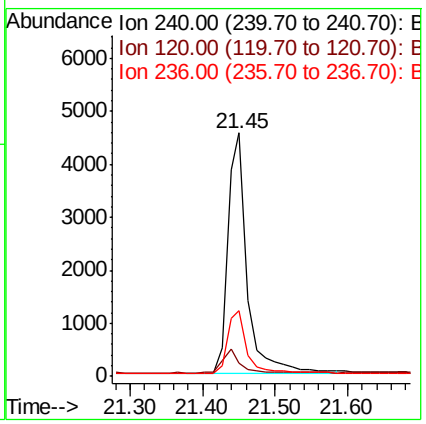


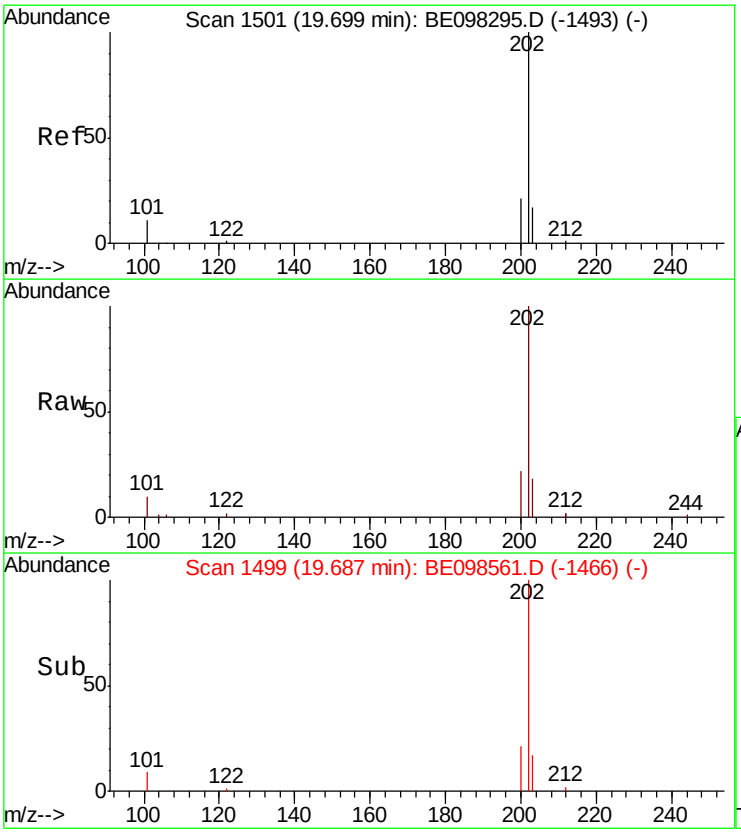
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 8588

Ion	Ratio	Lower	Upper
240	100		
120	5.5	9.5	14.3#
236	27.0	22.7	34.1

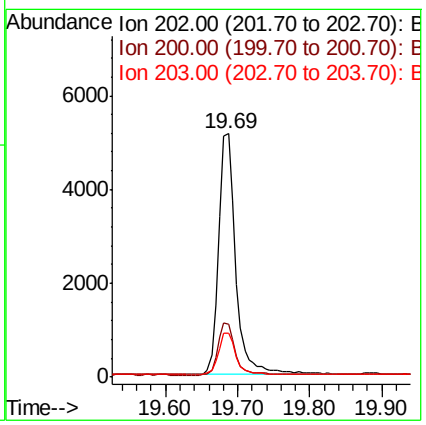


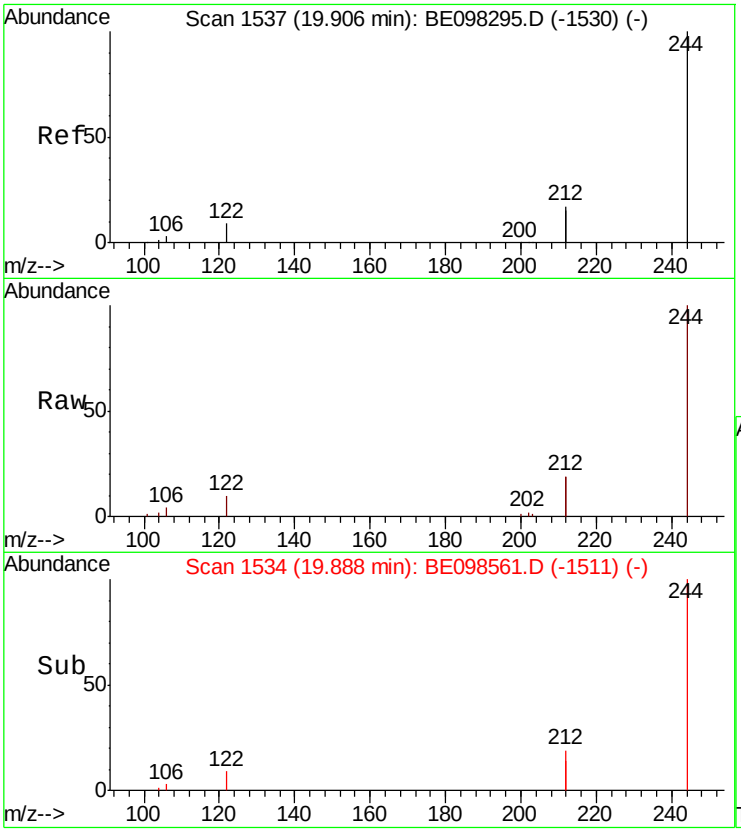


#28
Pyrene
Concen: 0.314 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:202 Resp: 8465

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.8	14.1	21.1



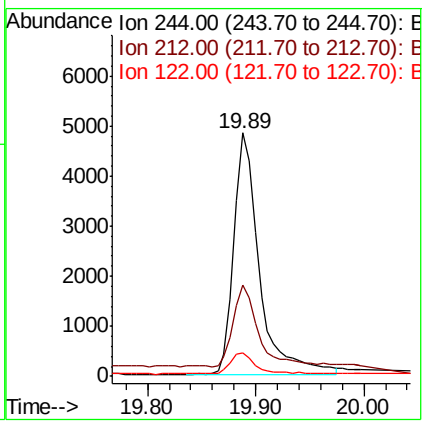


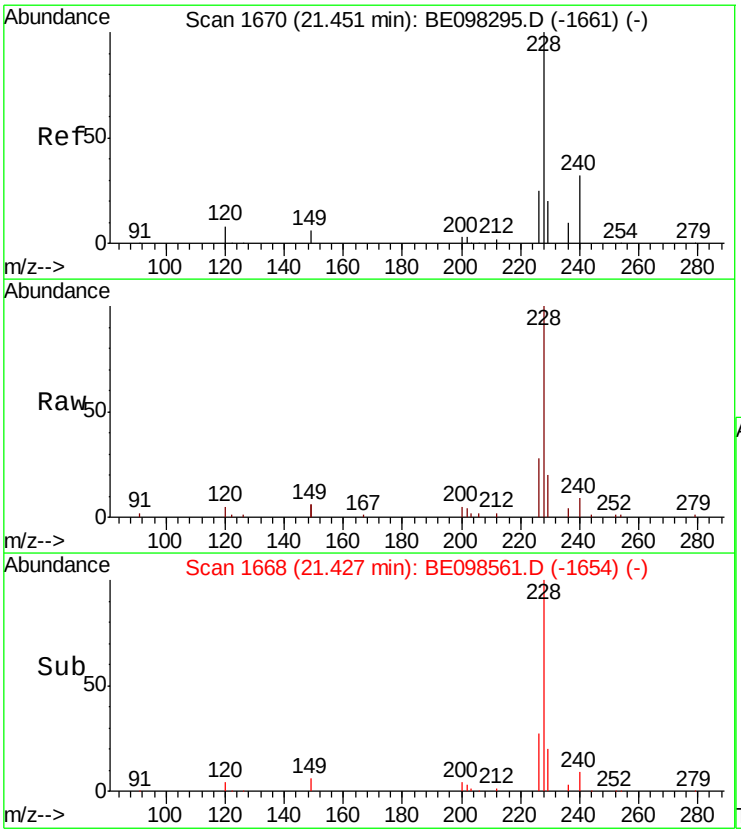
#29
Terphenyl-d14
Concen: 0.375 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 7819

Ion	Ratio	Lower	Upper
244	100		
212	37.4	27.4	41.0
122	9.8	8.3	12.5

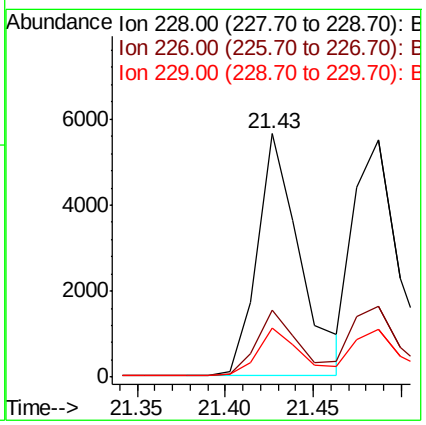


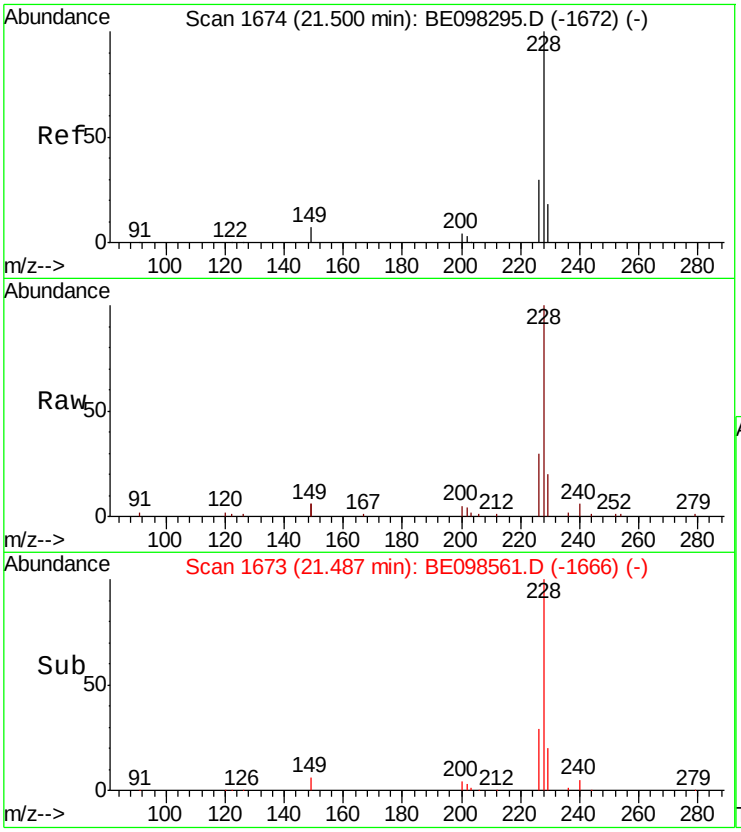


#30
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.43 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:228 Resp: 9507

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.3	16.3	24.5



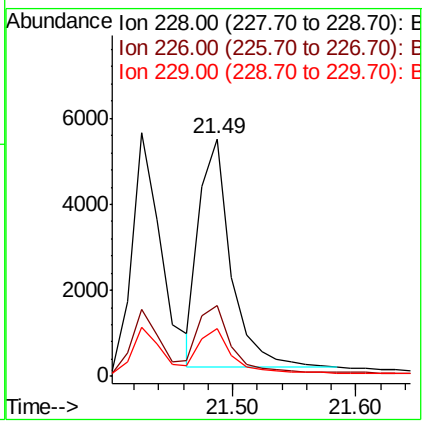


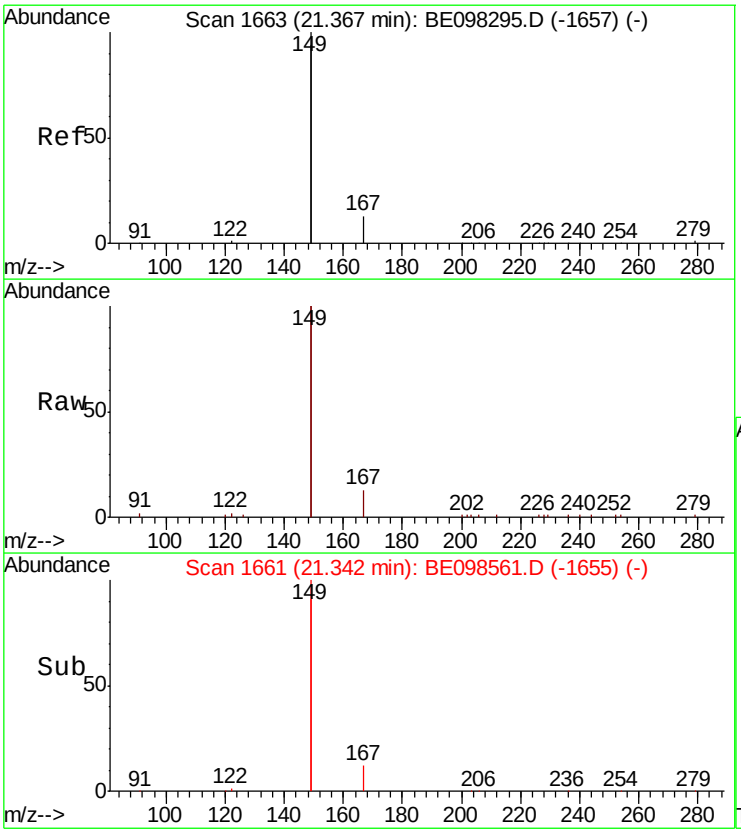
#31
Chrysene
Concen: 0.371 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 9509

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.0
229	20.3	16.2	24.4

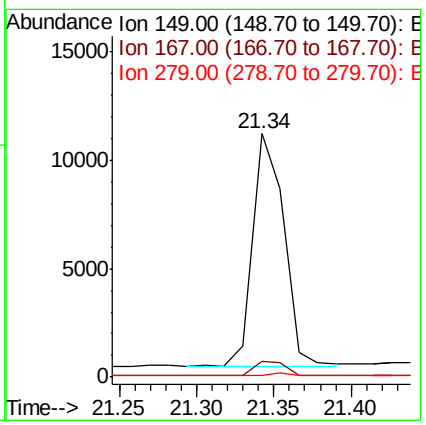


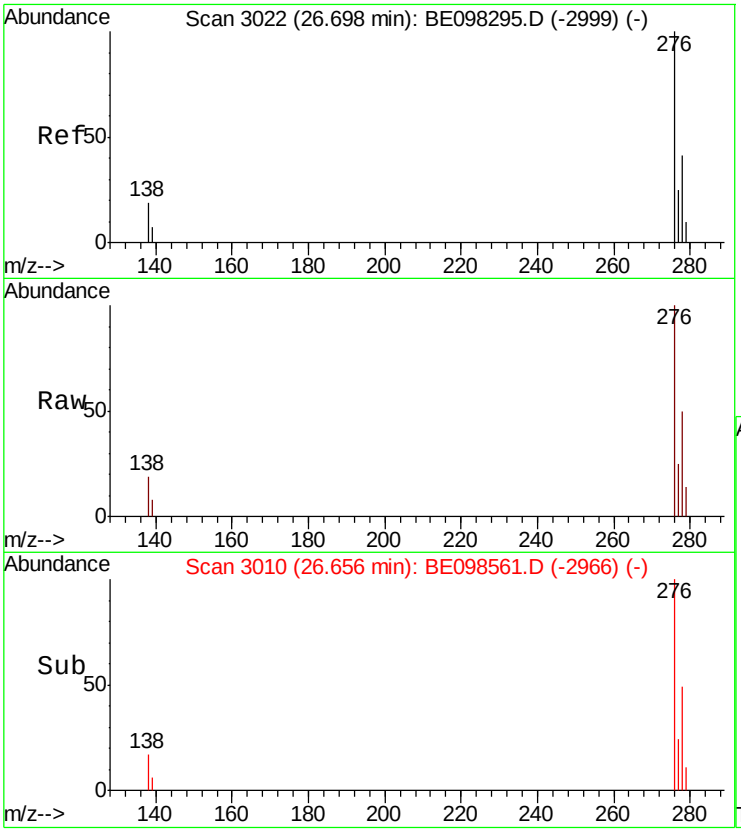


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.301 ng
RT: 21.34 min Scan# 1661
Delta R.T. -0.02 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:149 Resp: 14966

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.3	1.0	1.4



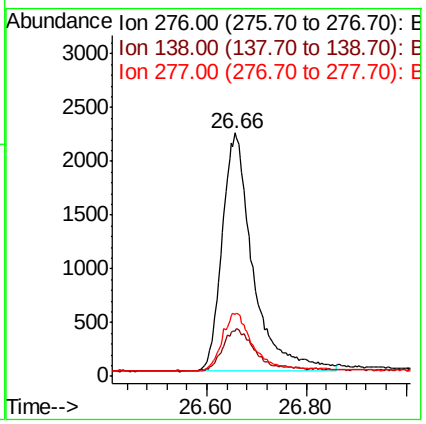


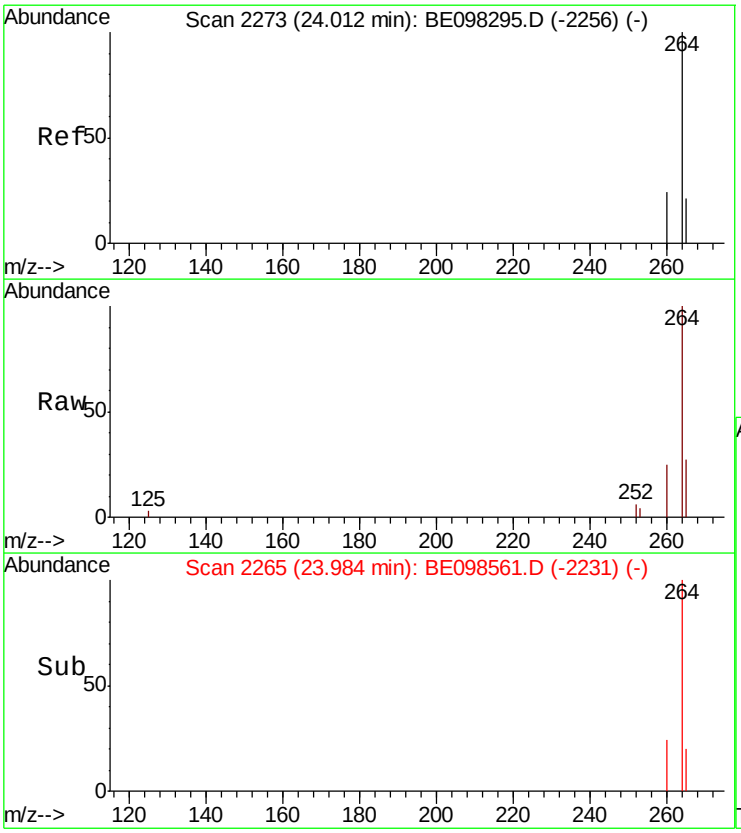
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 26.66 min Scan# 3010
Delta R.T. -0.04 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 9582

Ion	Ratio	Lower	Upper
276	100		
138	17.8	16.3	24.5
277	23.9	20.2	30.4

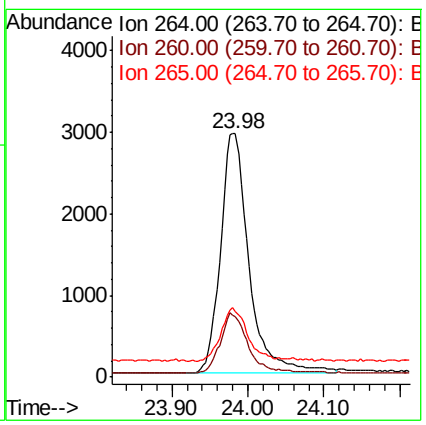


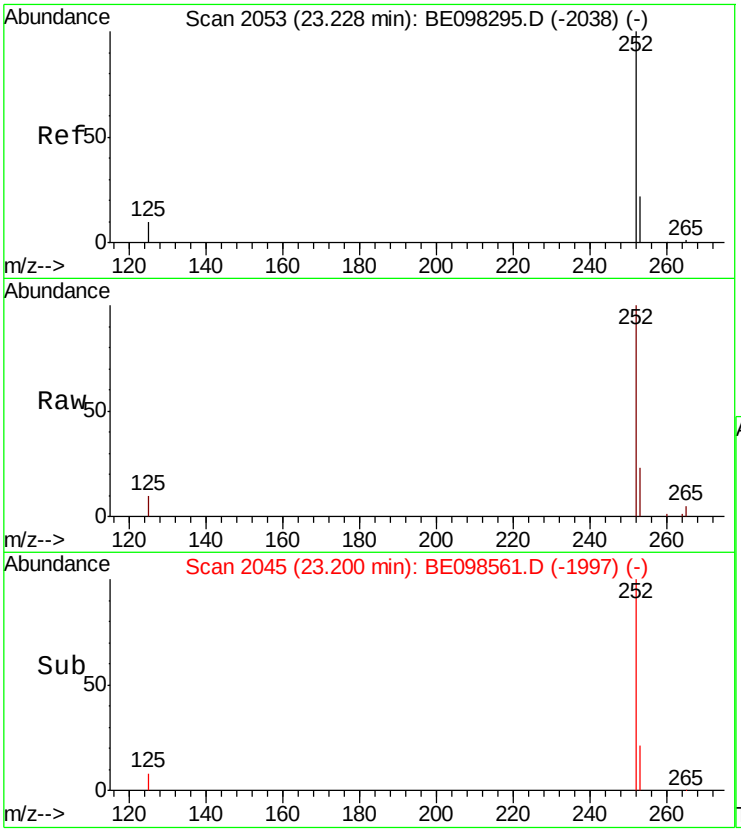


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2265
Delta R.T. -0.03 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:264 Resp: 7650

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.2
265	26.9	25.2	37.8



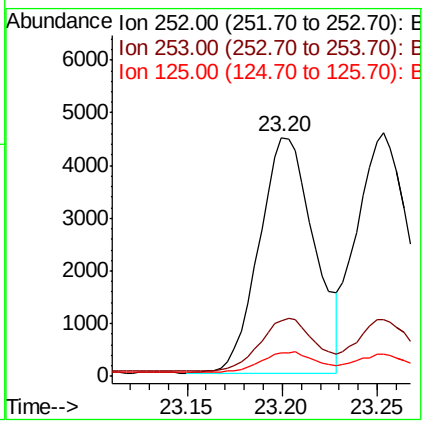


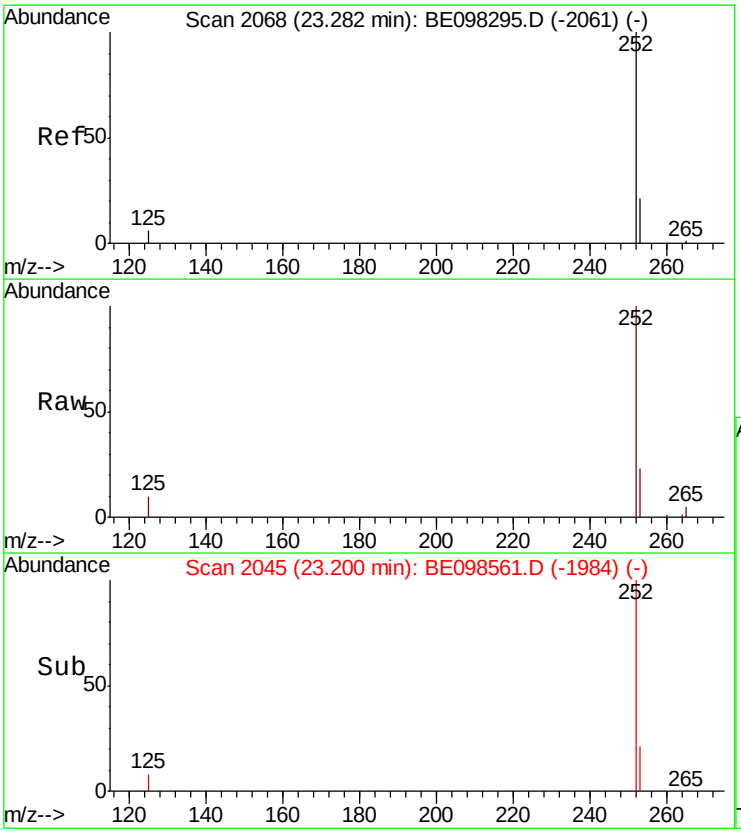
#35
Benzo(b)fluoranthene
Concen: 0.431 ng
RT: 23.20 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 9015

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.0	30.0
125	9.7	9.6	14.4

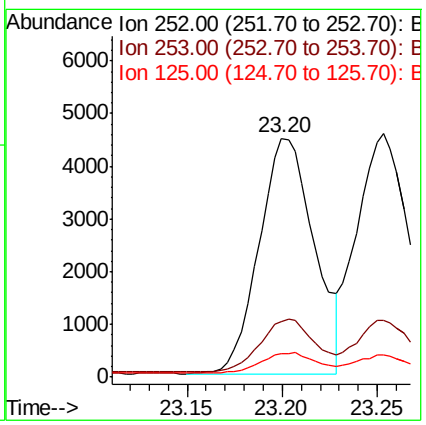


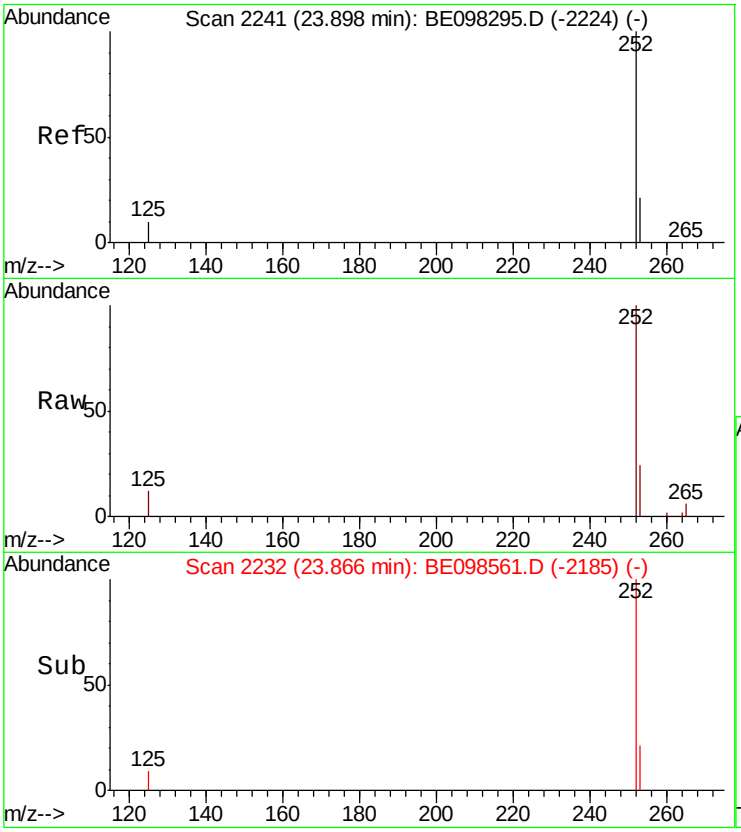


#36
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 23.20 min Scan# 2045
Delta R.T. -0.08 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:252 Resp: 9015

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.6
125	9.7	9.1	13.7



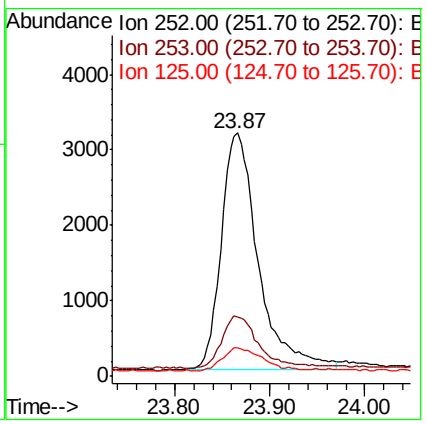


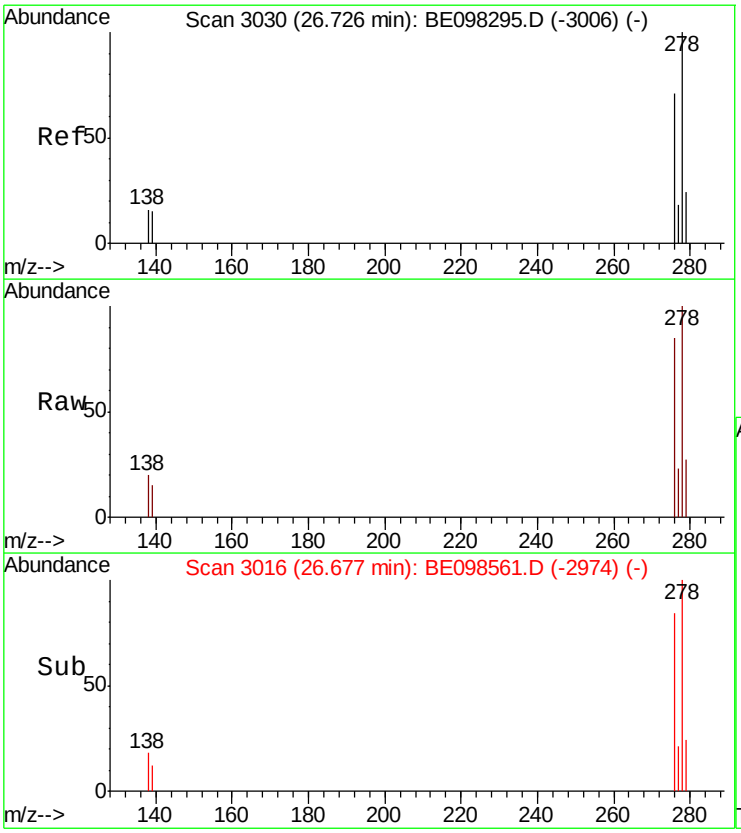
#37
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.87 min Scan# 2232
Delta R.T. -0.03 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8513

Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.6	30.8
125	11.5	10.5	15.7

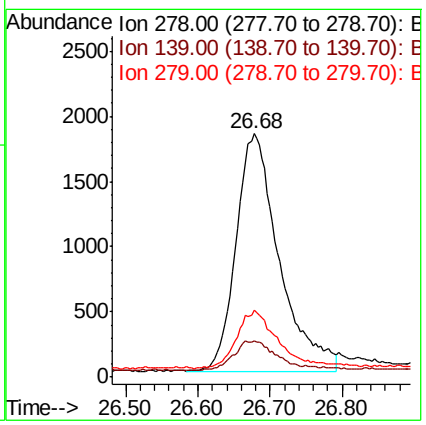


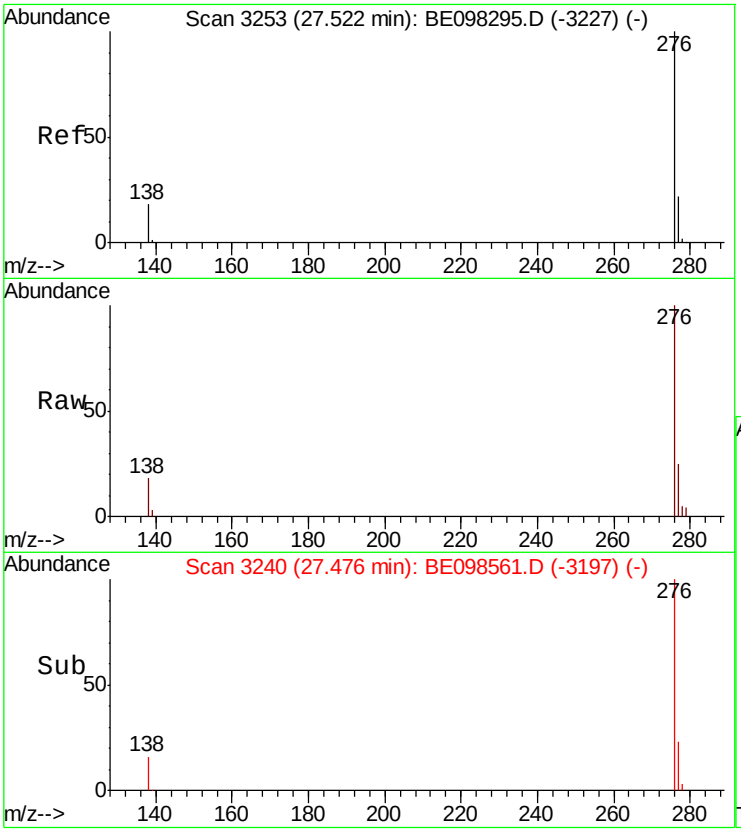


#38
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 26.68 min Scan# 3016
Delta R.T. -0.05 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Tgt Ion:278 Resp: 7405

Ion	Ratio	Lower	Upper
278	100		
139	14.7	14.5	21.7
279	27.2	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.403 ng
RT: 27.48 min Scan# 3240
Delta R.T. -0.05 min
Lab File: BE098561.D
Acq: 26 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8265

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.8	31.2
138	18.5	15.8	23.6