Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122618\
Data File : BE098562.D
Acq On : 26 Dec 2018 11:58
Operator : SJ/JU
Sample : PB115910BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB115910BSD

Quant Time: Dec 26 12:36:14 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	319	0.40	ng		-0.01
7) Naphthalene-d8	10.65	136	1268	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	913	0.40	ng		-0.01
19) Phenanthrene-d10	17.26	188	3416	0.40	ng		-0.02
27) Chrysene-d12	21.45	240	7563	0.40	ng		-0.01
34) Perylene-d12	23.98	264	7753	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	234	0.31	ng		0.00
5) Phenol-d6	7.04	99	321	0.30	ng		0.00
8) Nitrobenzene-d5	9.04	82	251	0.22	ng		0.03
11) 2-Methylnaphthalene-d10	12.25	152	791	0.38	ng		-0.01
14) 2,4,6-Tribromophenol	16.01	330	200	0.60	ng		-0.01
15) 2-Fluorobiphenyl	13.13	172	1157	0.30	ng		-0.01
25) Fluoranthene-d10	19.29	212	22380	0.51	ng		-0.02
29) Terphenyl-d14	19.89	244	5434	0.30	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.36	88	215	0.390	ng	#	18
3) n-Nitrosodimethylamine	3.70	42	154	0.310	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	234	0.233	ng		97
9) Naphthalene	10.69	128	4655	0.365	ng	#	93
10) Hexachlorobutadiene	10.98	225	320	0.394	ng		95
12) 2-Methylnaphthalene	12.32	142	715	0.345	ng	#	85
16) Acenaphthylene	14.23	152	1362	0.318	ng		95
17) Acenaphthene	14.57	154	884	0.344	ng		96
18) Fluorene	15.55	166	1360	0.396	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	447	0.243	ng		96
21) Hexachlorobenzene	16.57	284	585	0.296	ng		96
22) Pentachlorophenol	16.93	266	326	0.881	ng		94
23) Phenanthrene	17.30	178	3108	0.374	ng		99
24) Anthracene	17.40	178	2543	0.344	ng		98
26) Fluoranthene	19.32	202	5817	0.530	ng		97
28) Pyrene	19.68	202	6242	0.263	ng		100
30) Benzo(a)anthracene	21.43	228	7717	0.358	ng		99
31) Chrysene	21.49	228	8036	0.356	ng		99
32) Bis(2-ethylhexyl)phthalate	21.34	149	11453	0.262	ng		100
33) Indeno(1,2,3-cd)pyrene	26.66	276	8697	0.387	ng		96
35) Benzo(b)fluoranthene	23.20	252	8446	0.398	ng		96
36) Benzo(k)fluoranthene	23.25	252	9462	0.383	ng		98
37) Benzo(a)pyrene	23.87	252	8178	0.374	ng		96
38) Dibenzo(a,h)anthracene	26.68	278	7108	0.345	ng		96
39) Benzo(g,h,i)perylene	27.48	276	7536	0.363	ng		98

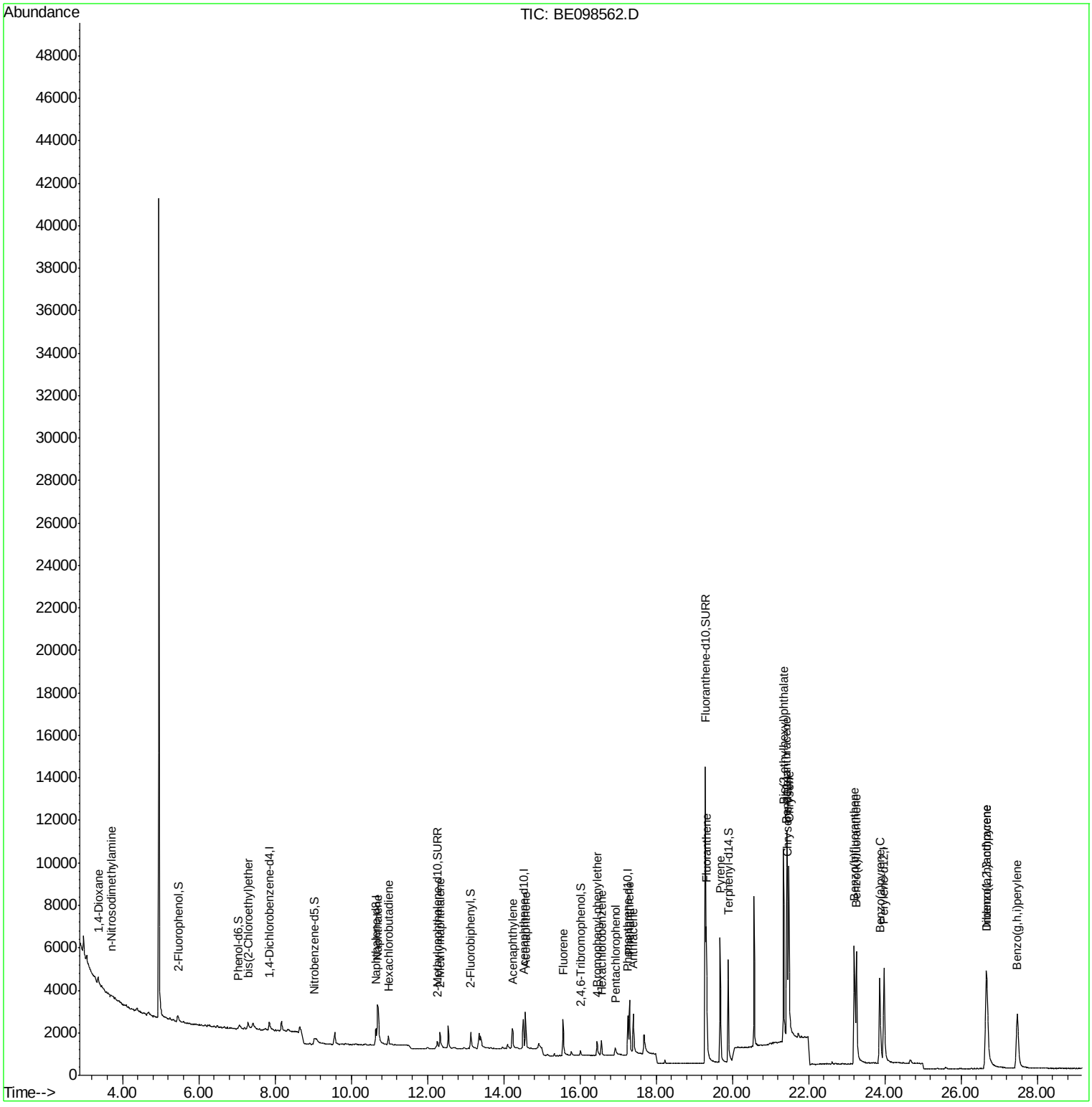
(#) = qualifier out of range (m) = manual integration (+) = signals summed

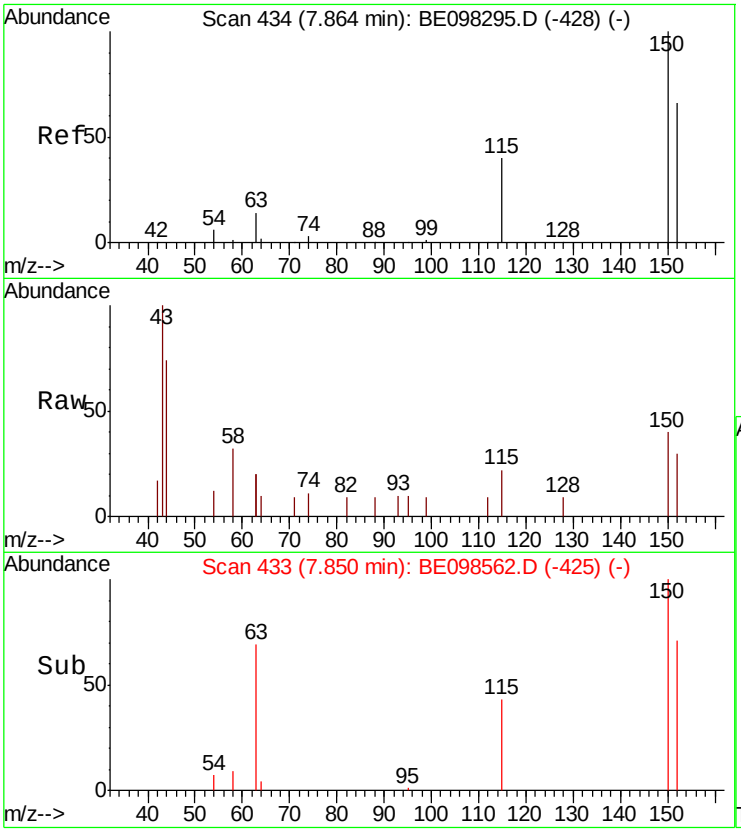
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122618\
Data File : BE098562.D
Acq On : 26 Dec 2018 11:58
Operator : SJ/JU
Sample : PB115910BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Quant Time: Dec 26 12:36:14 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



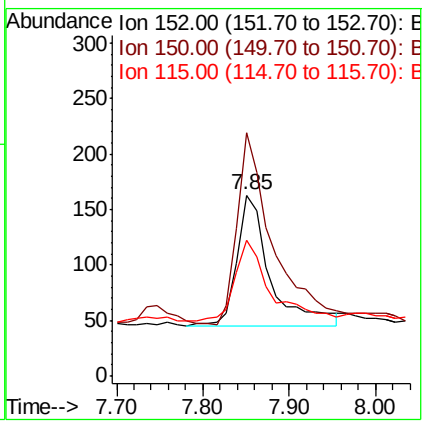


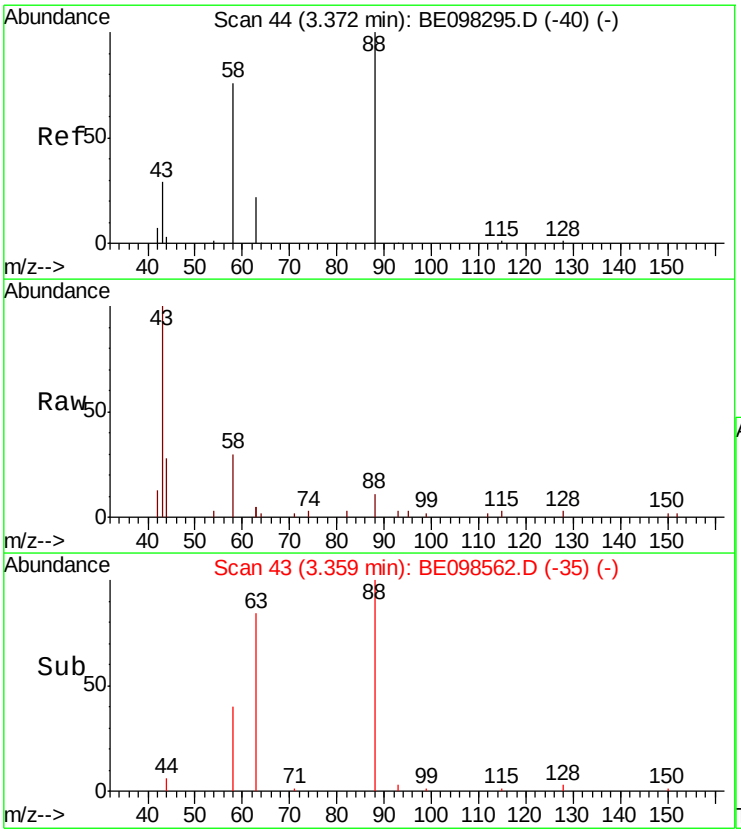
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:152 Resp: 319

Ion	Ratio	Lower	Upper
152	100		
150	134.4	124.2	186.4
115	74.8	53.9	80.9

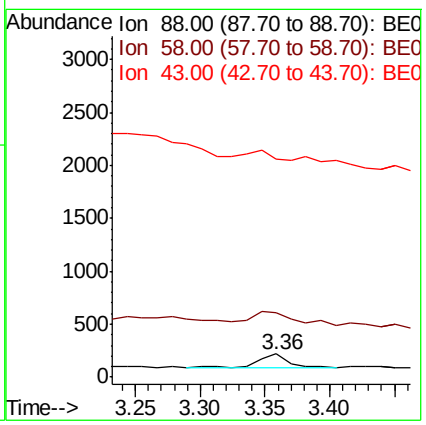


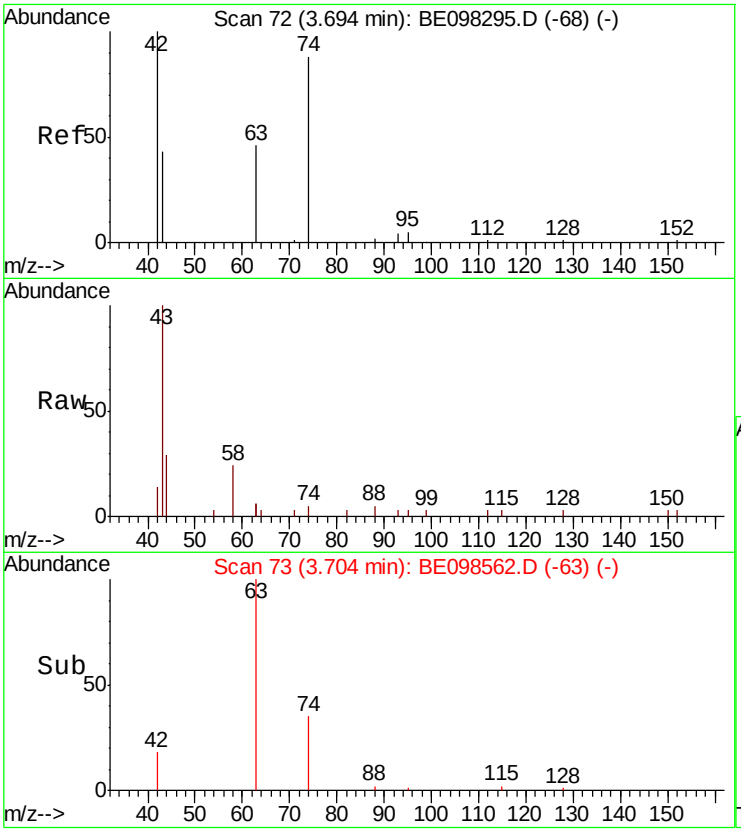


#2
1,4-Dioxane
Concen: 0.390 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion: 88 Resp: 215

Ion	Ratio	Lower	Upper
88	100		
58	142.3	75.0	112.6#
43	144.2	38.3	57.5#



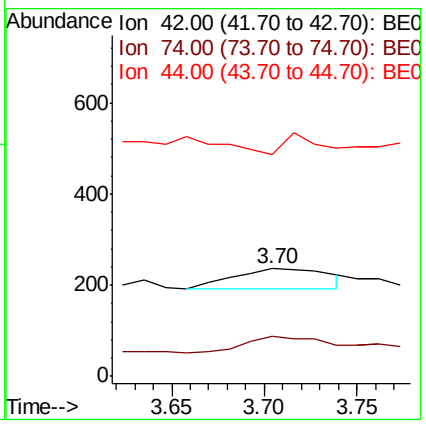


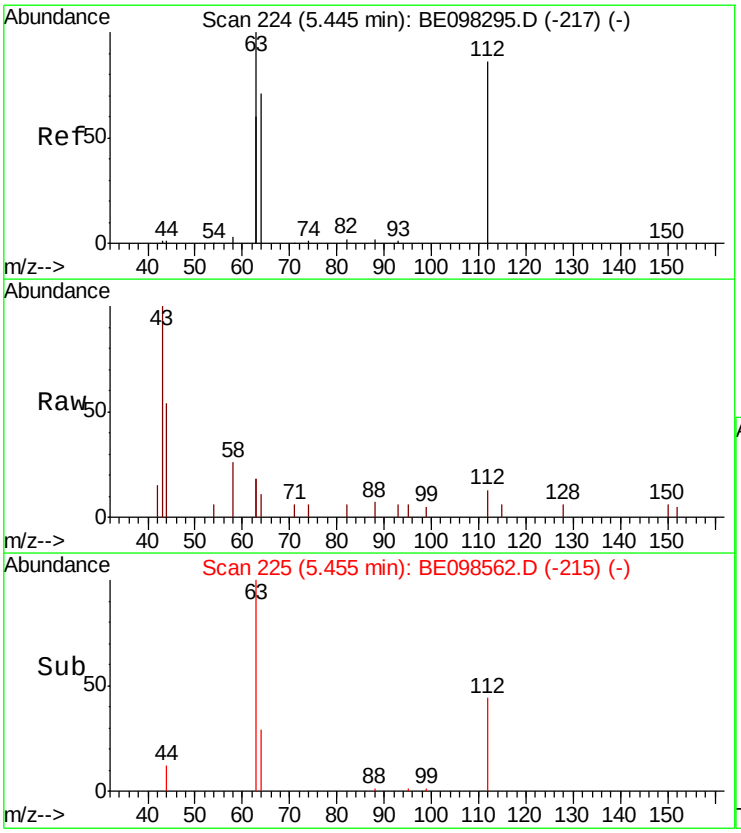
#3
n-Nitrosodimethylamine
Concen: 0.310 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion: 42 Resp: 154

Ion	Ratio	Lower	Upper
42	100		
74	67.5	0.0	0.0#
44	37.0	0.0	0.0#

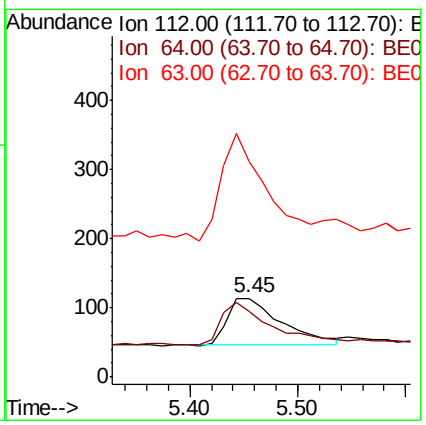


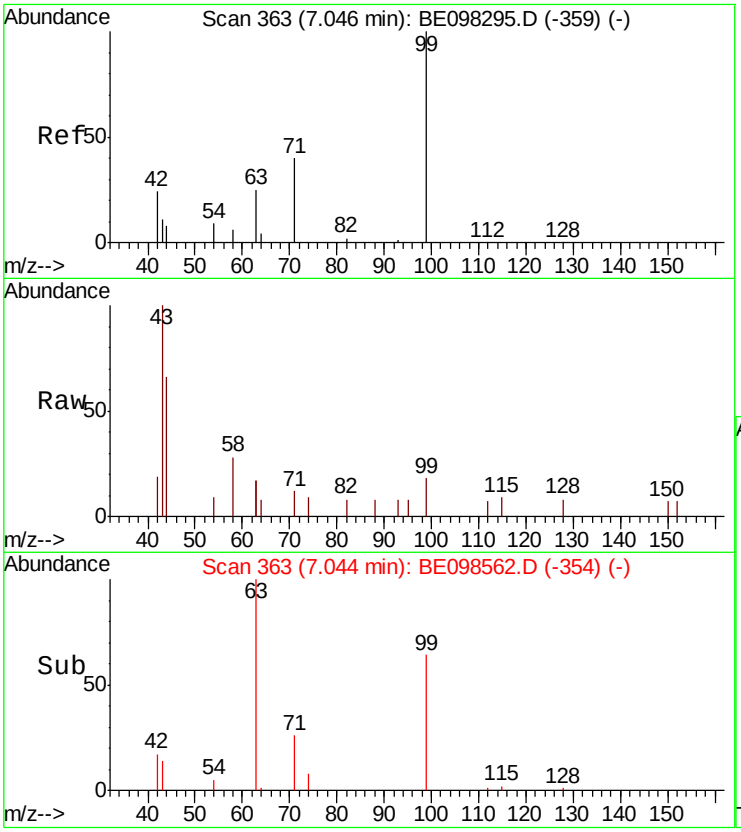


#4
2-Fluorophenol
Concen: 0.313 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:112 Resp: 234

Ion	Ratio	Lower	Upper
112	100		
64	91.9	59.8	89.8#
63	177.4	133.7	200.5



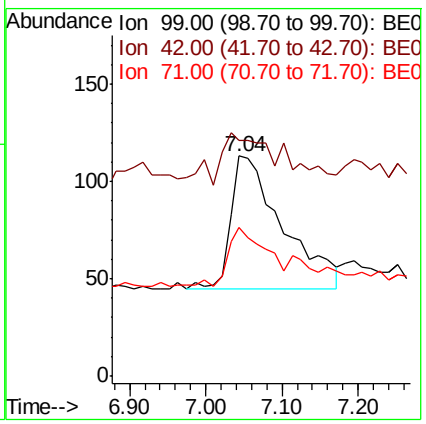


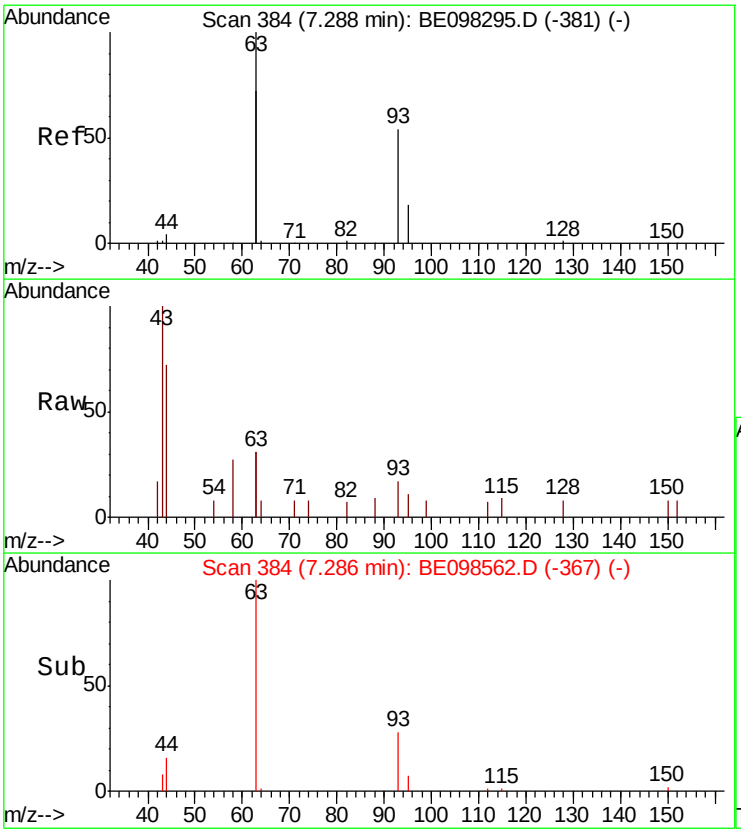
#5
Phenol-d6
Concen: 0.304 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion: 99 Resp: 321

Ion	Ratio	Lower	Upper
99	100		
42	39.3	26.3	39.5
71	30.5	33.6	50.4#

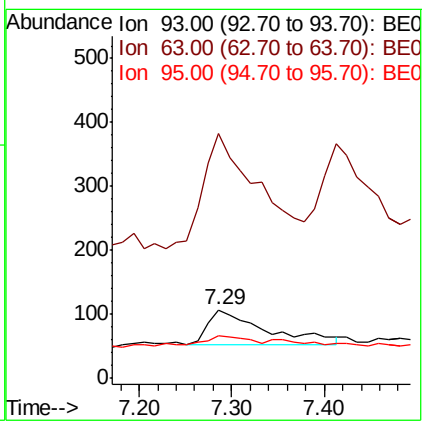


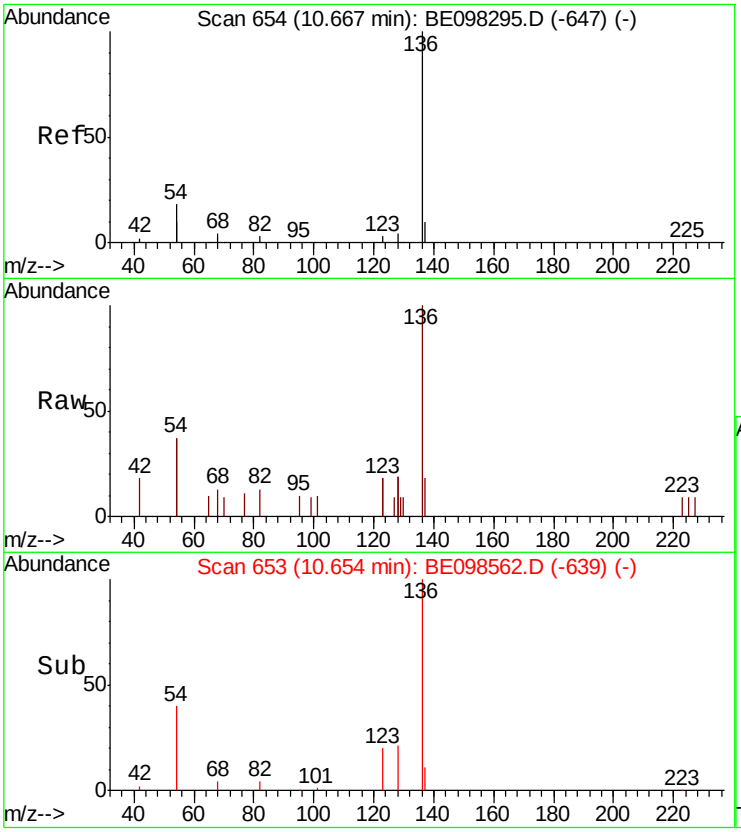


#6
bis(2-Chloroethyl)ether
Concen: 0.233 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion: 93 Resp: 234

Ion	Ratio	Lower	Upper
93	100		
63	322.6	264.4	396.6
95	32.9	26.6	40.0



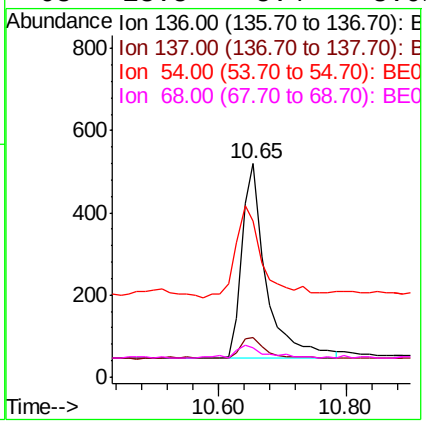


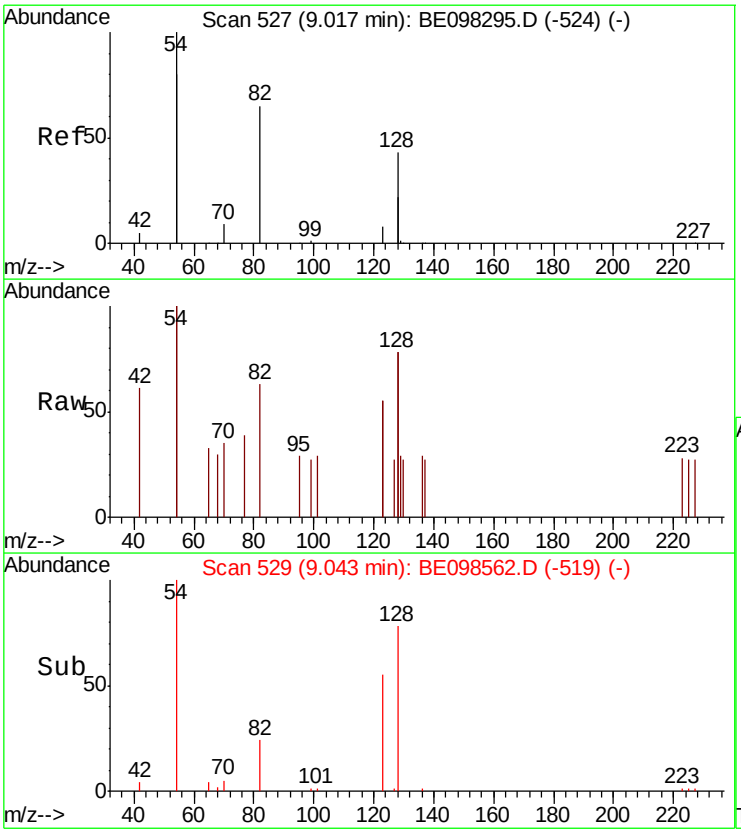
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:136 Resp: 1268

Ion	Ratio	Lower	Upper
136	100		
137	18.5	9.2	13.8#
54	73.1	28.4	42.6#
68	13.5	5.4	8.0#

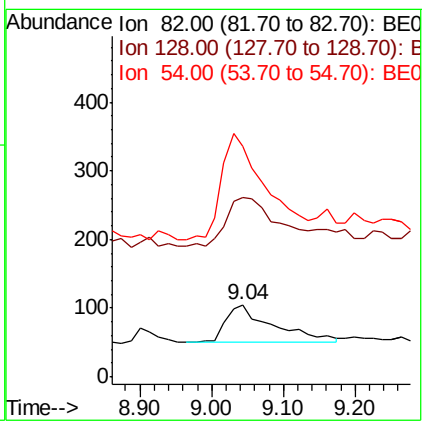


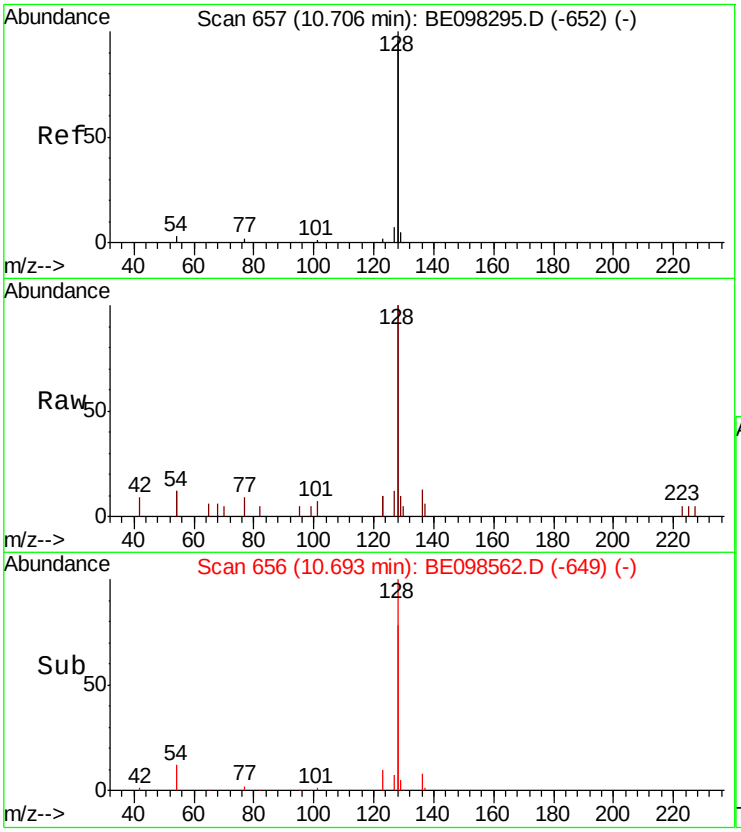


#8
Nitrobenzene-d5
Concen: 0.217 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion: 82 Resp: 251

Ion	Ratio	Lower	Upper
82	100		
128	249.5	102.4	153.6#
54	320.0	221.8	332.8



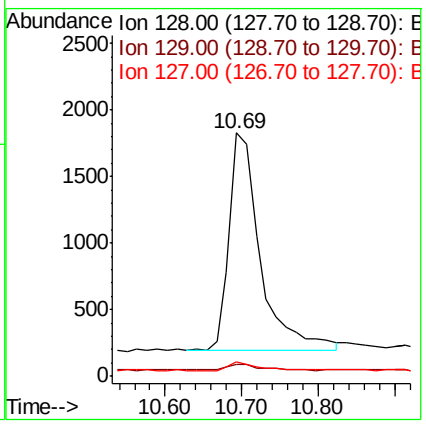


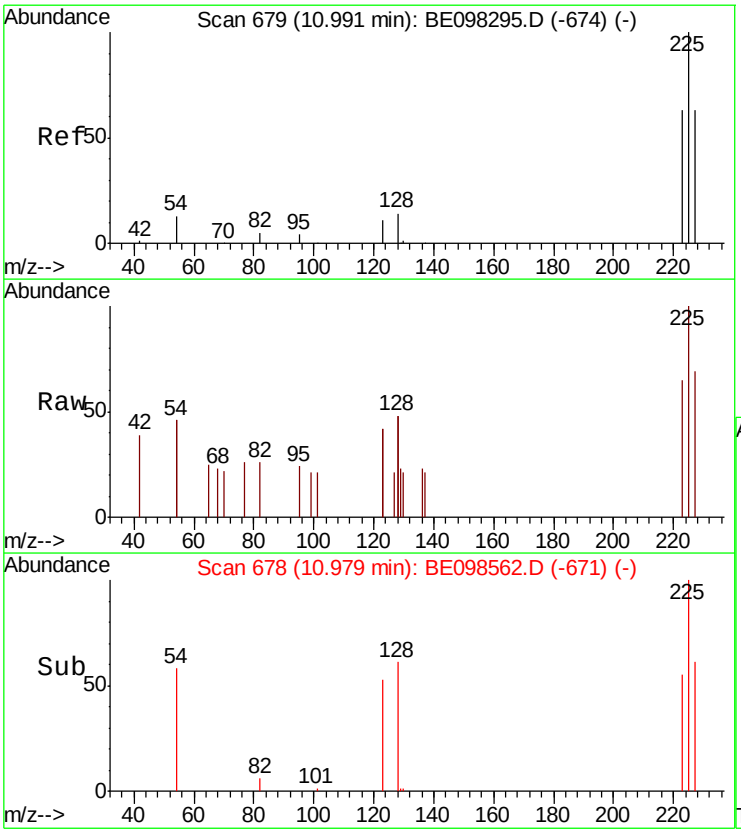
#9
Naphthalene
Concen: 0.365 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:128 Resp: 4655

Ion	Ratio	Lower	Upper
128	100		
129	4.9	2.5	3.7#
127	5.9	2.7	4.1#

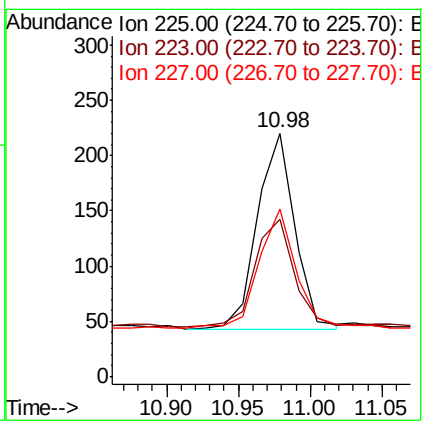


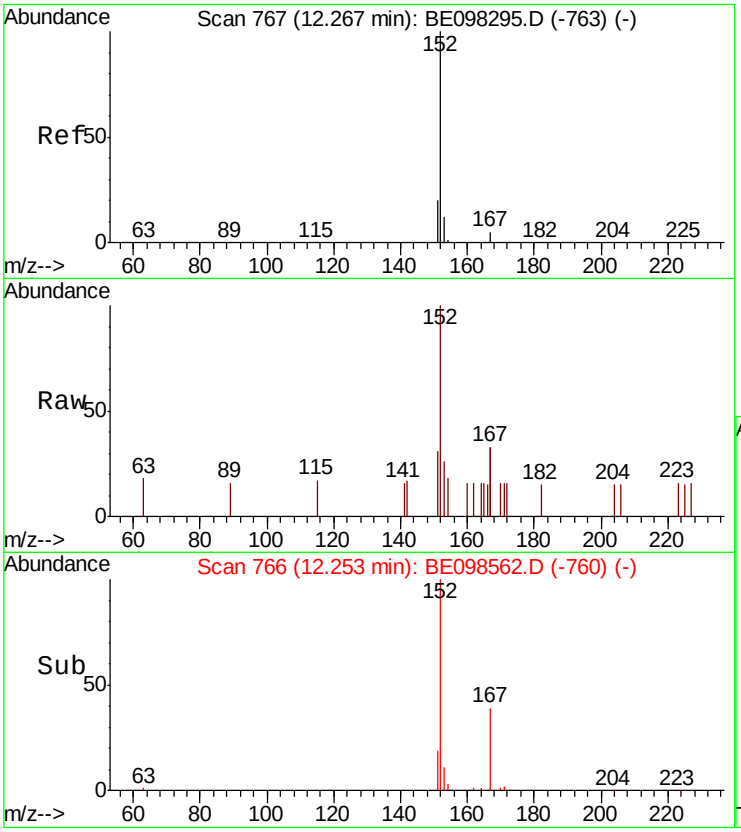


#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:225 Resp: 320

Ion	Ratio	Lower	Upper
225	100		
223	58.1	49.4	74.0
227	60.9	52.0	78.0



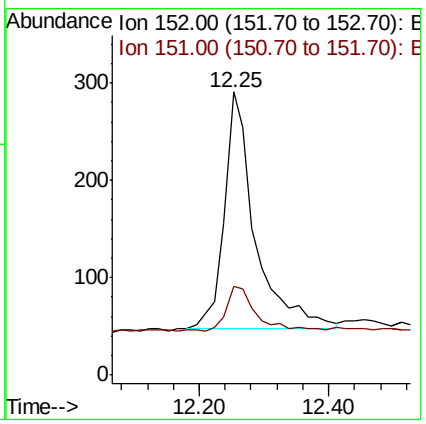


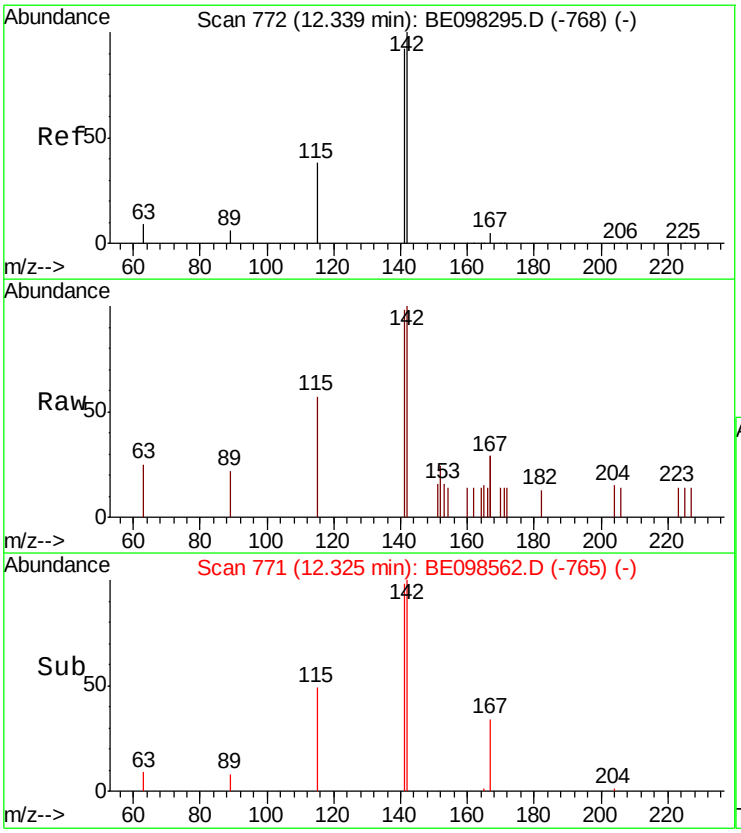
#11
2-Methylnaphthalene-d10
Concen: 0.384 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:152 Resp: 791

Ion	Ratio	Lower	Upper
152	100		
151	16.9	16.2	24.4

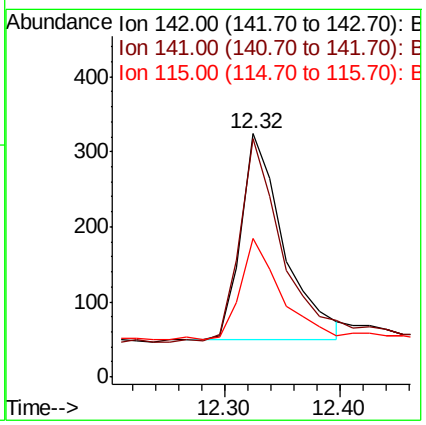


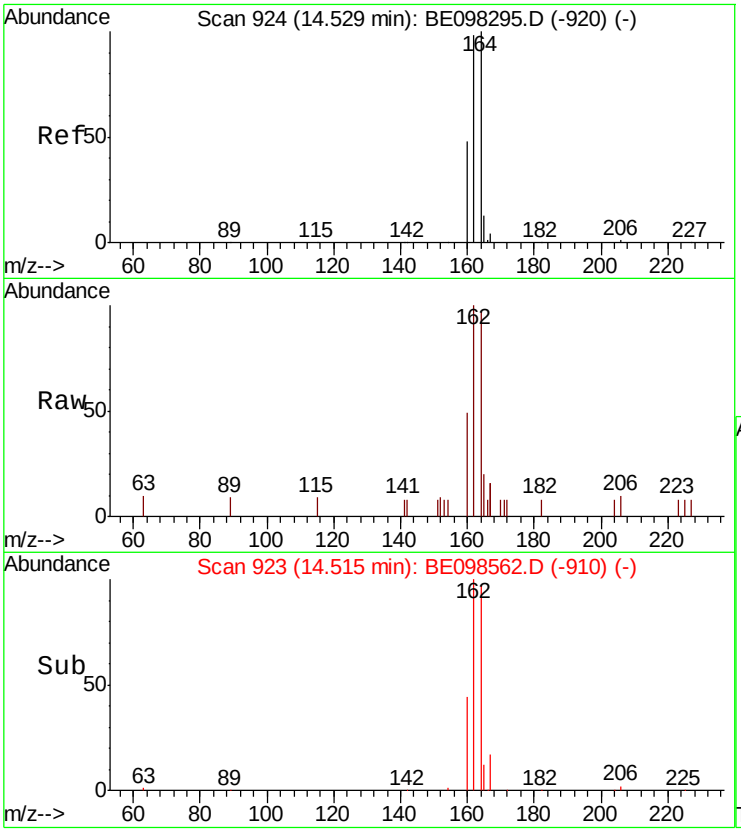


#12
2-Methylnaphthalene
Concen: 0.345 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:142 Resp: 715

Ion	Ratio	Lower	Upper
142	100		
141	98.1	71.0	106.6
115	57.1	32.2	48.2#



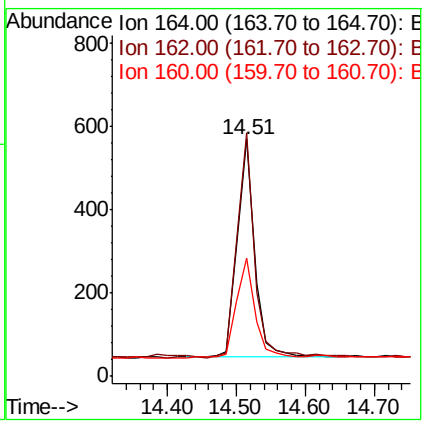


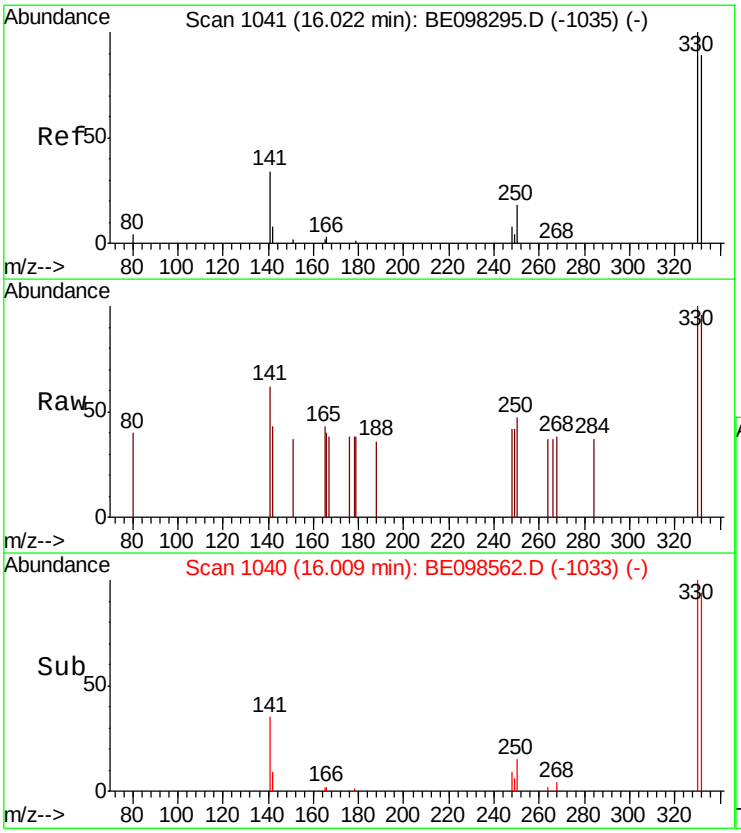
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:164 Resp: 913

Ion	Ratio	Lower	Upper
164	100		
162	102.8	77.6	116.4
160	50.0	36.0	54.0

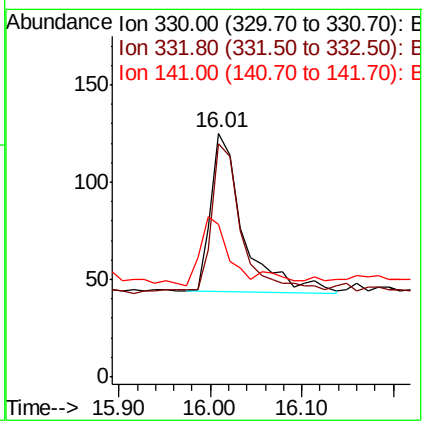


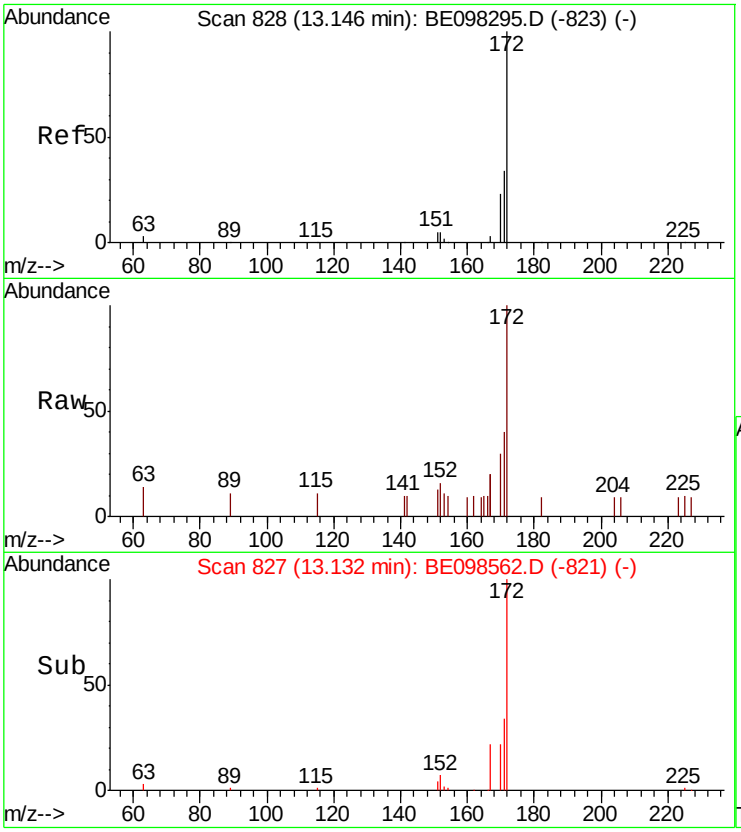


#14
2,4,6-Tribromophenol
Concen: 0.597 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:330 Resp: 200

Ion	Ratio	Lower	Upper
330	100		
332	85.5	76.2	114.4
141	34.0	39.0	58.4#

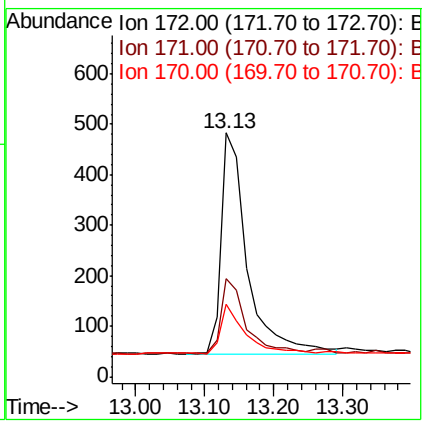




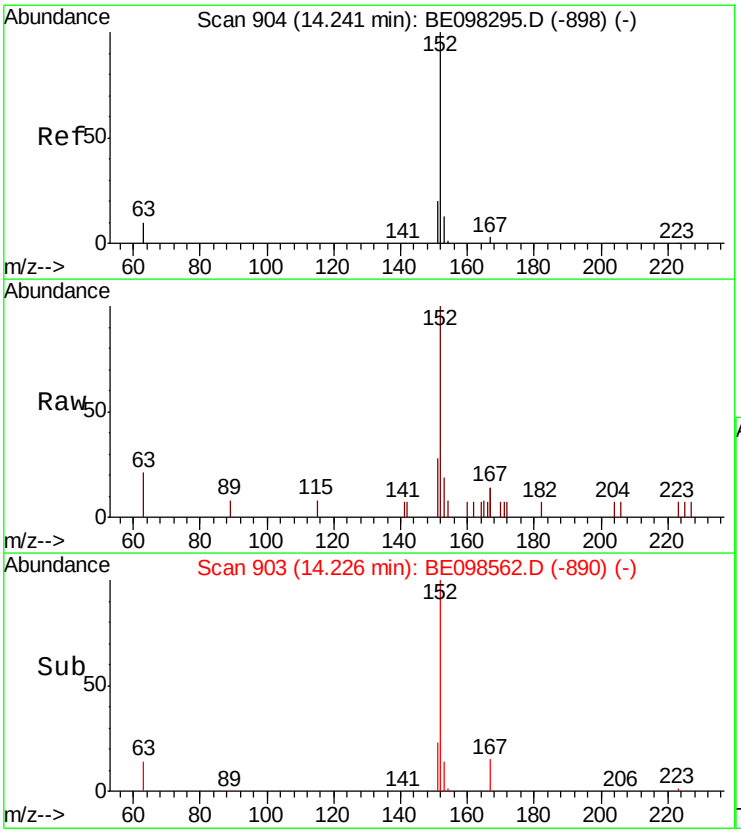
#15
2-Fluorobiphenyl
Concen: 0.300 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:172 Resp: 1157

Ion	Ratio	Lower	Upper
172	100		
171	40.2	27.5	41.3
170	29.6	19.6	29.4#



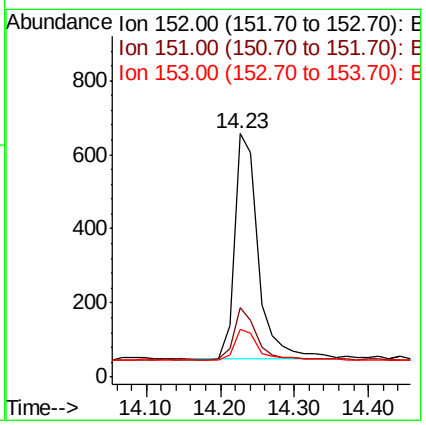
Instrument :
BNA_E
ClientSampleId :
PB115910BSD

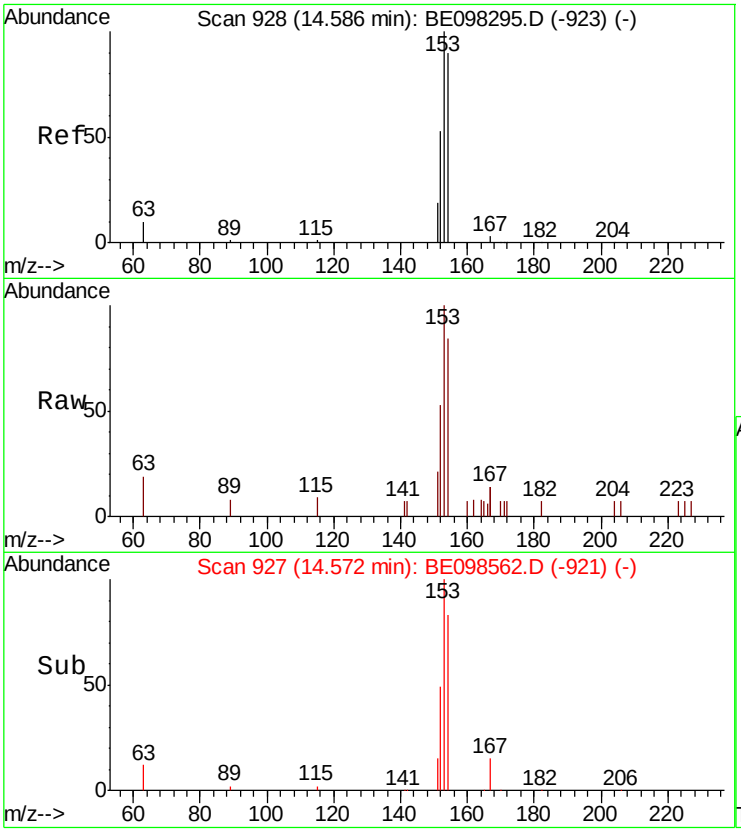


#16
Acenaphthylene
Concen: 0.318 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:152 Resp: 1362

Ion	Ratio	Lower	Upper
152	100		
151	22.0	15.5	23.3
153	14.6	10.6	16.0



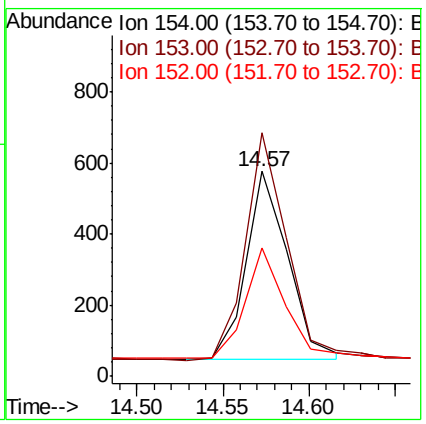


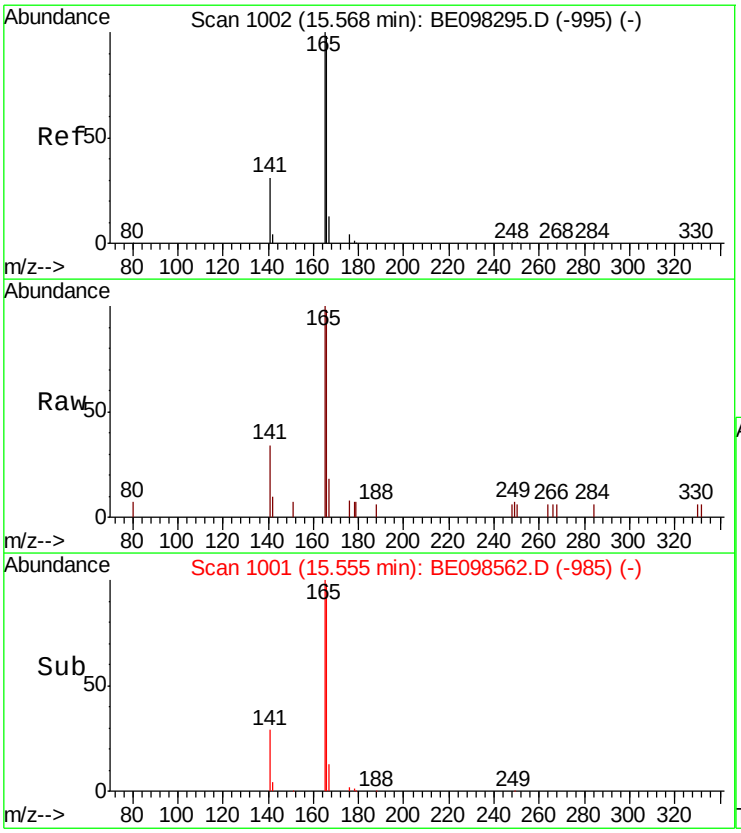
#17
Acenaphthene
Concen: 0.344 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:154 Resp: 884

Ion	Ratio	Lower	Upper
154	100		
153	120.9	91.8	137.6
152	56.7	45.5	68.3

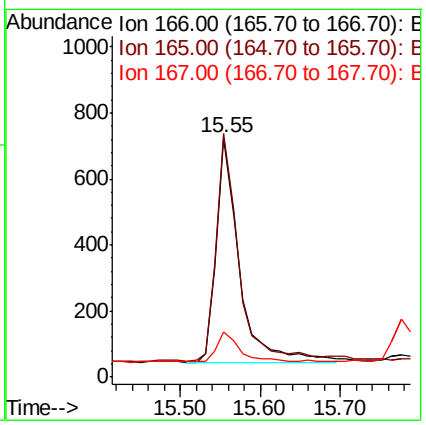


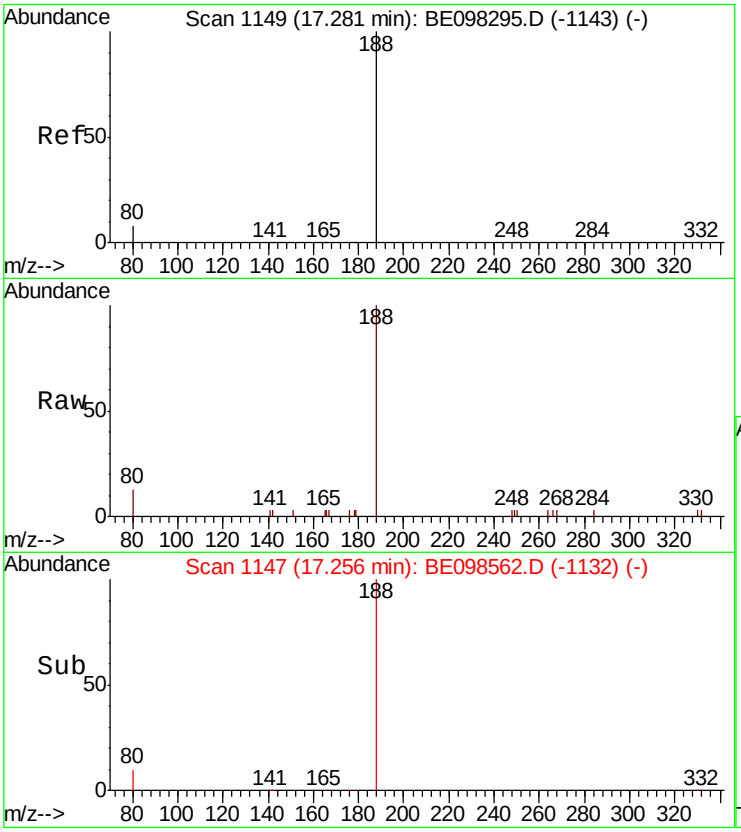


#18
Fluorene
Concen: 0.396 ng
RT: 15.55 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:166 Resp: 1360

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.3	118.9
167	14.1	11.3	16.9



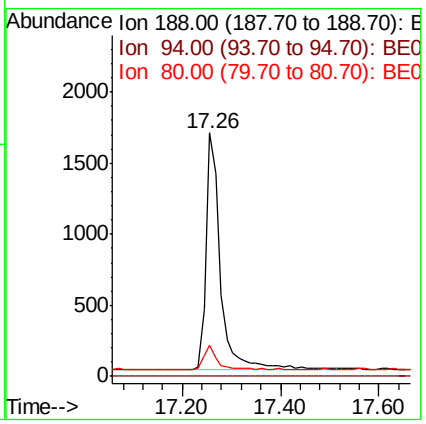


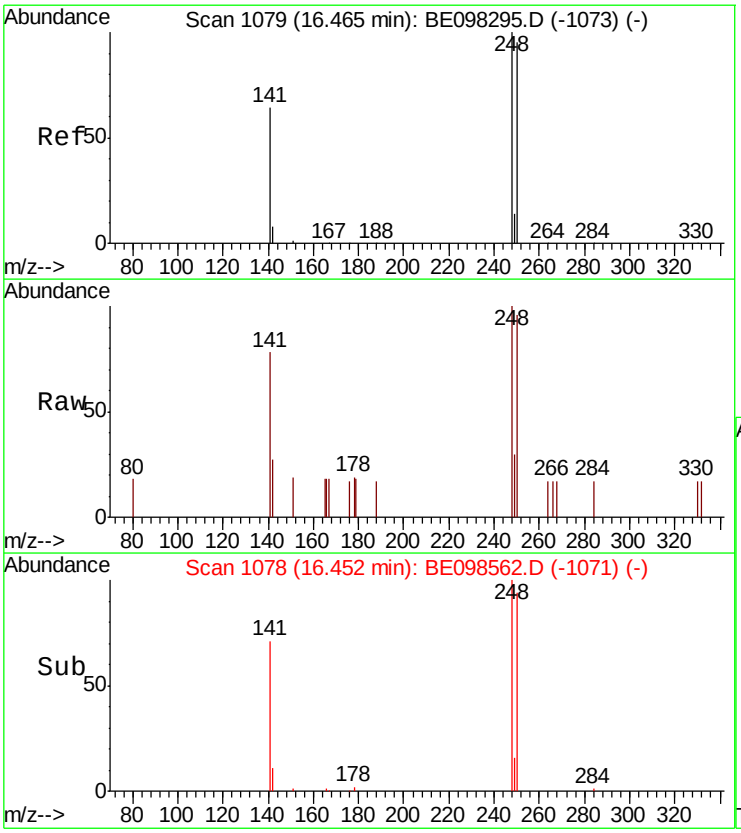
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.26 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:188 Resp: 3416

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	7.2	10.8#

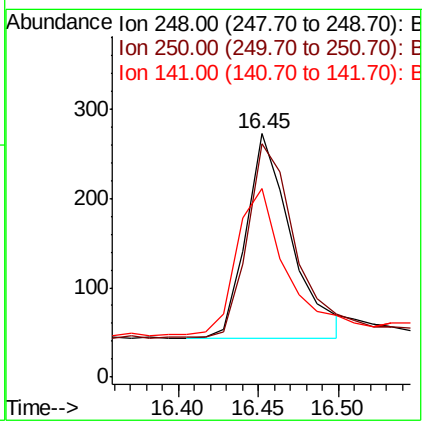


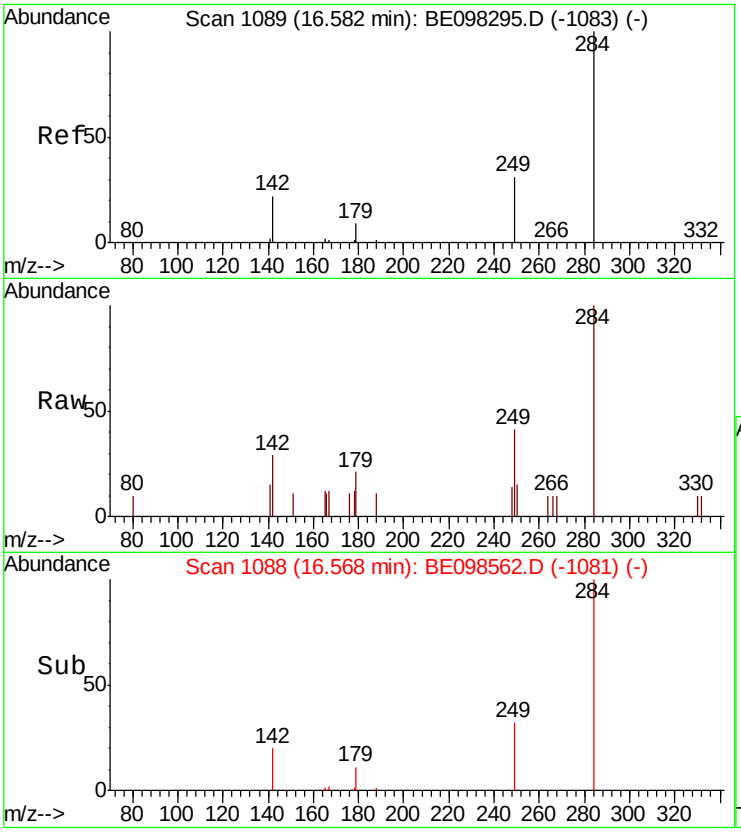


#20
4-Bromophenyl-phenylether
Concen: 0.243 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:248 Resp: 447

Ion	Ratio	Lower	Upper
248	100		
250	96.0	71.0	106.6
141	77.6	62.1	93.1



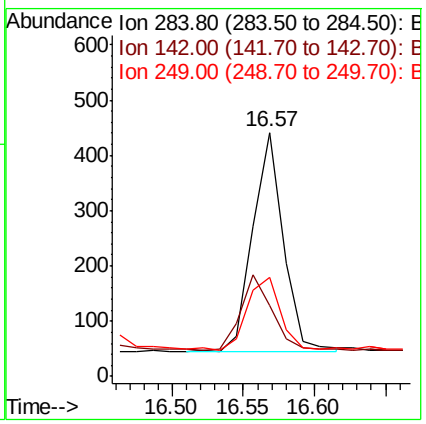


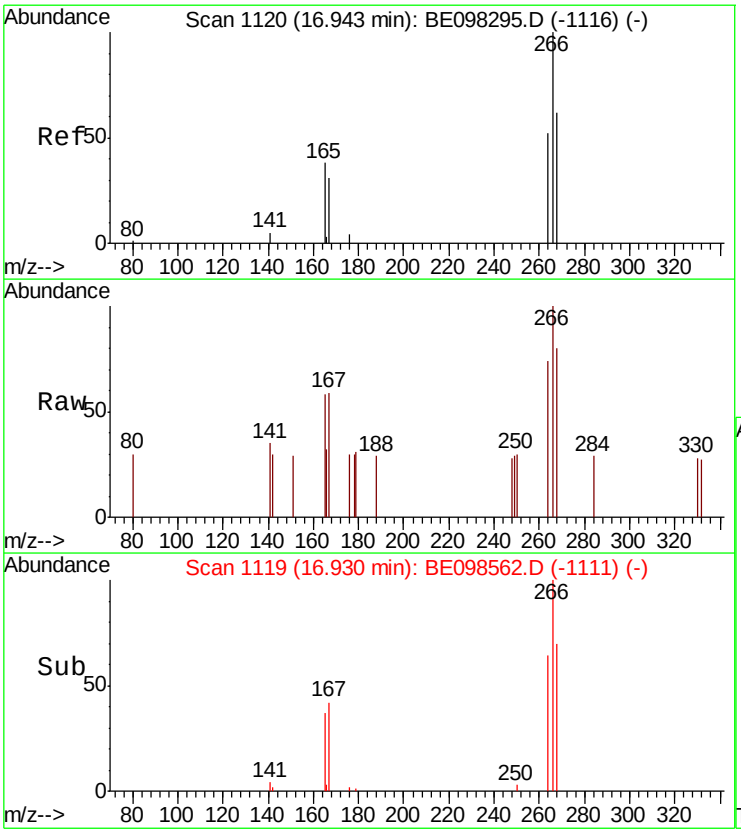
#21
Hexachlorobenzene
Concen: 0.296 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:284 Resp: 585

Ion	Ratio	Lower	Upper
284	100		
142	35.0	26.3	39.5
249	34.7	26.0	39.0

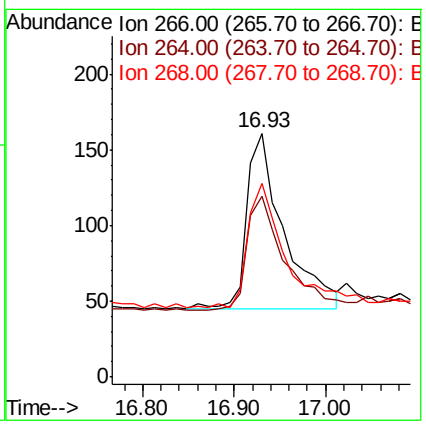


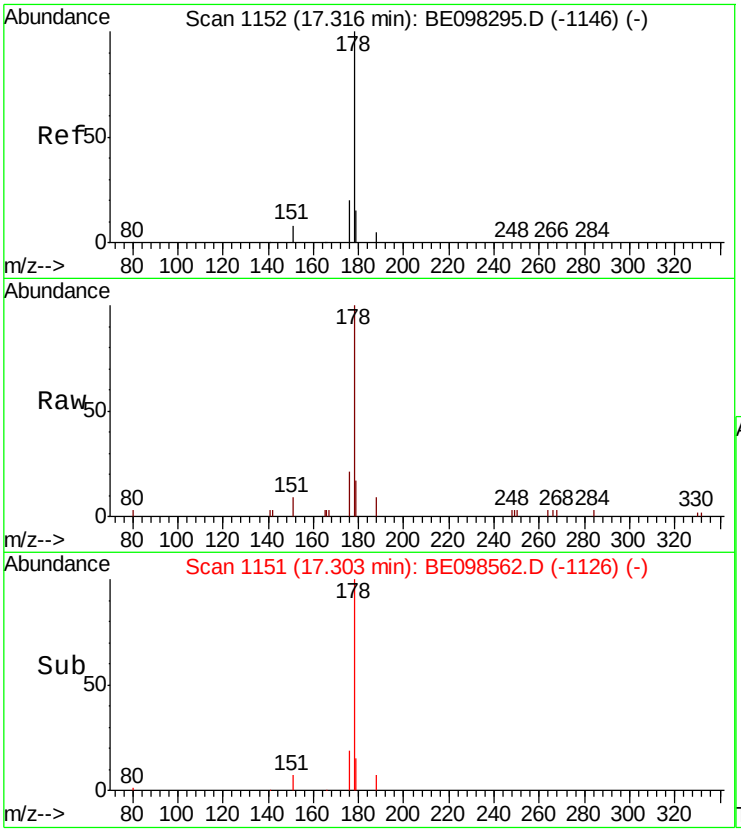


#22
Pentachlorophenol
Concen: 0.881 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:266 Resp: 326

Ion	Ratio	Lower	Upper
266	100		
264	73.9	59.0	88.4
268	79.5	55.1	82.7



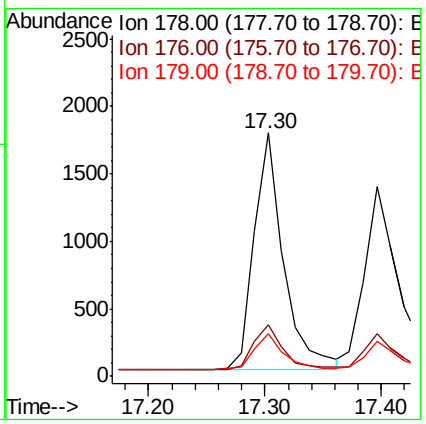


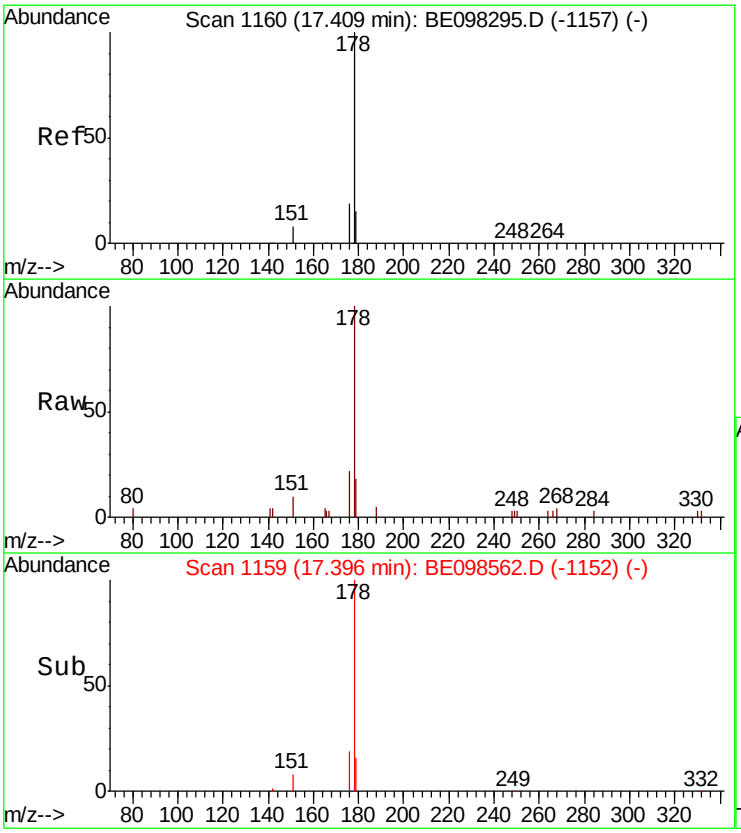
#23
Phenanthrene
Concen: 0.374 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:178 Resp: 3108

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.7	12.3	18.5

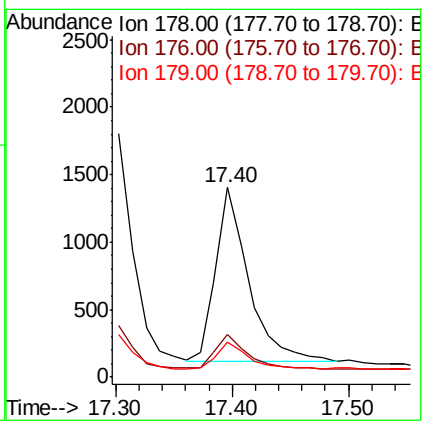


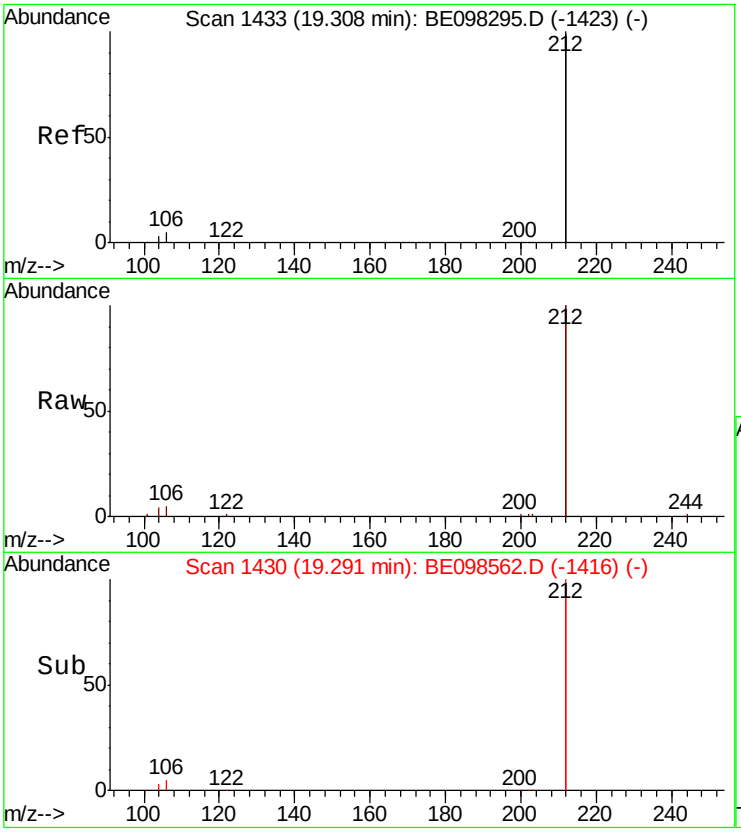


#24
Anthracene
Concen: 0.344 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:178 Resp: 2543

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.0	12.3	18.5



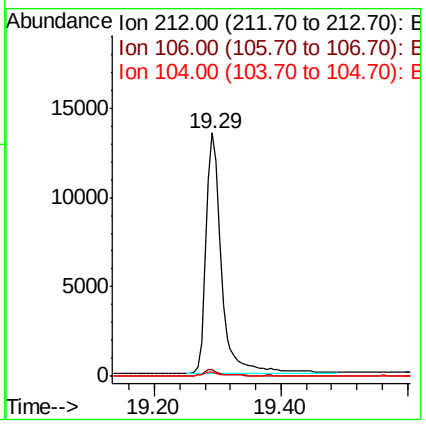


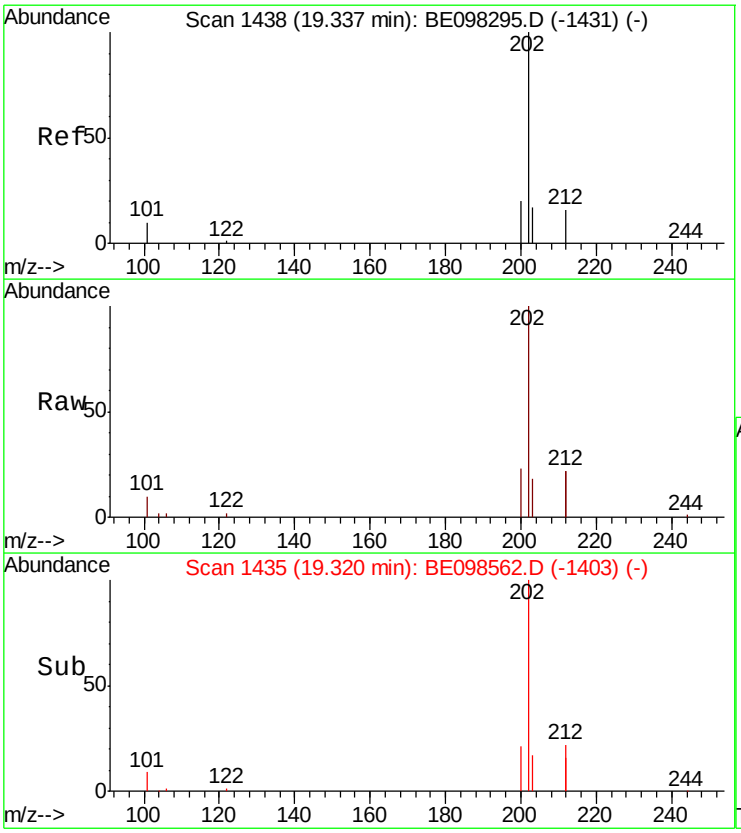
#25
Fluoranthene-d10
Concen: 0.511 ng
RT: 19.29 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:212 Resp: 22380

Ion	Ratio	Lower	Upper
212	100		
106	2.3	2.2	3.2
104	1.4	1.3	1.9

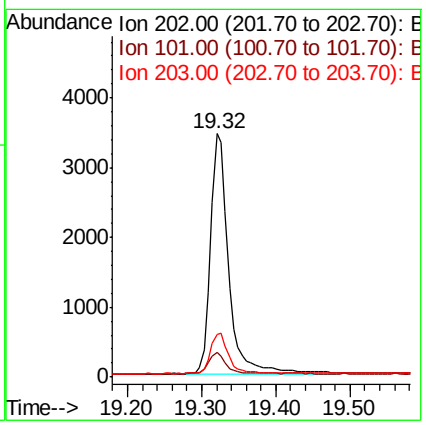


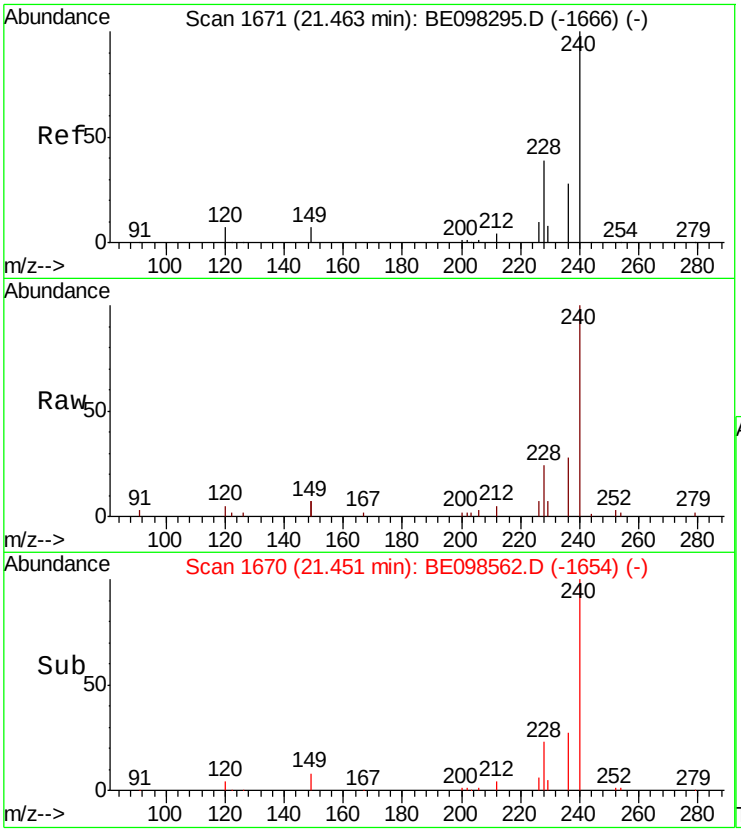


#26
Fluoranthene
Concen: 0.530 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:202 Resp: 5817

Ion	Ratio	Lower	Upper
202	100		
101	8.6	8.0	12.0
203	16.3	13.8	20.6



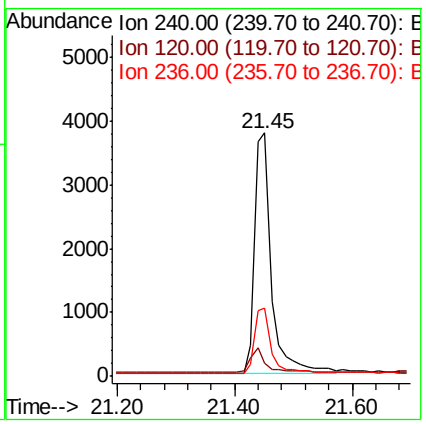


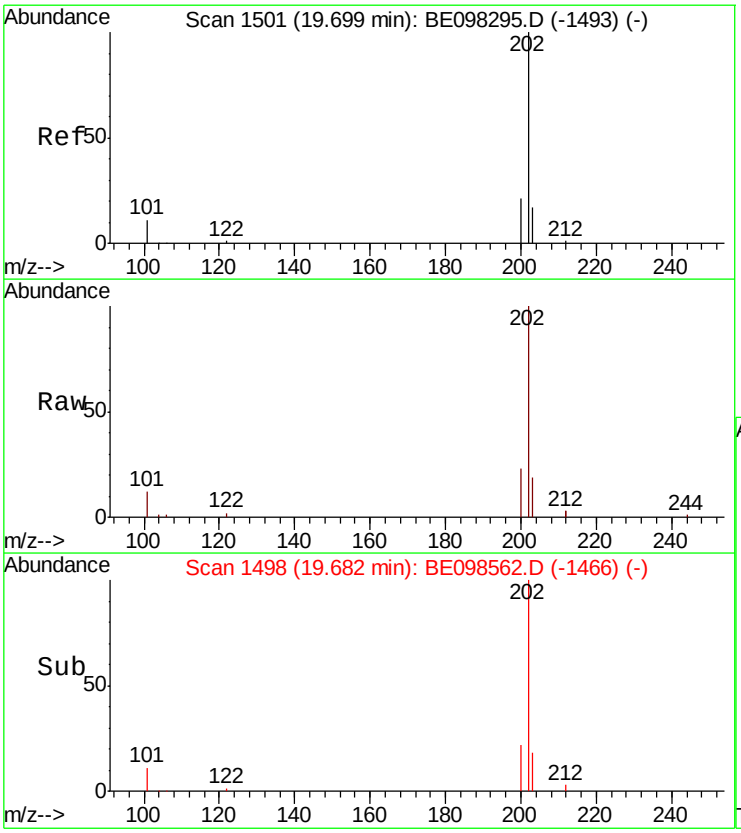
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:240 Resp: 7563

Ion	Ratio	Lower	Upper
240	100		
120	5.3	9.5	14.3#
236	28.2	22.7	34.1

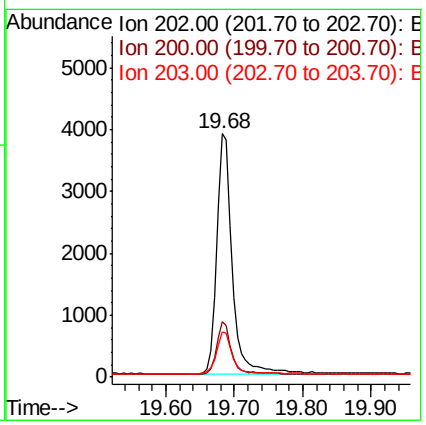


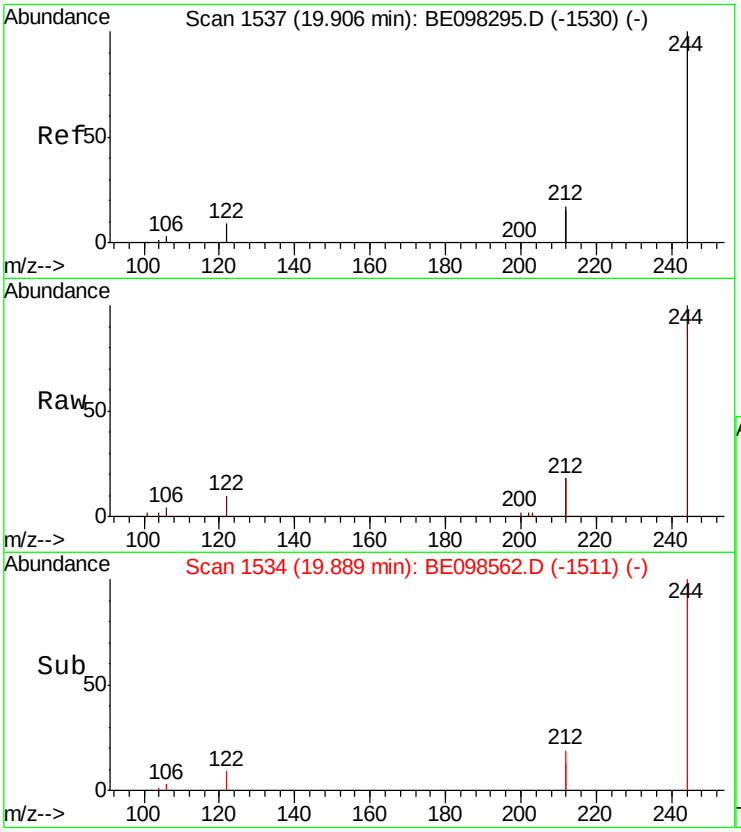


#28
Pyrene
Concen: 0.263 ng
RT: 19.68 min Scan# 1498
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:202 Resp: 6242

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.6	14.1	21.1



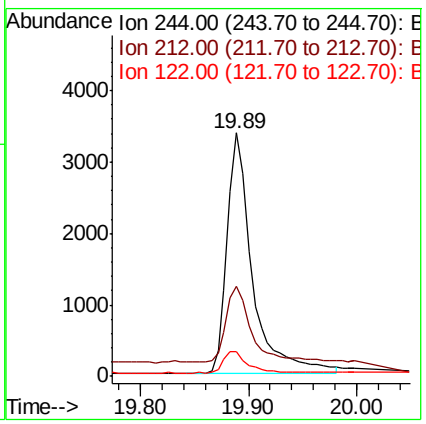


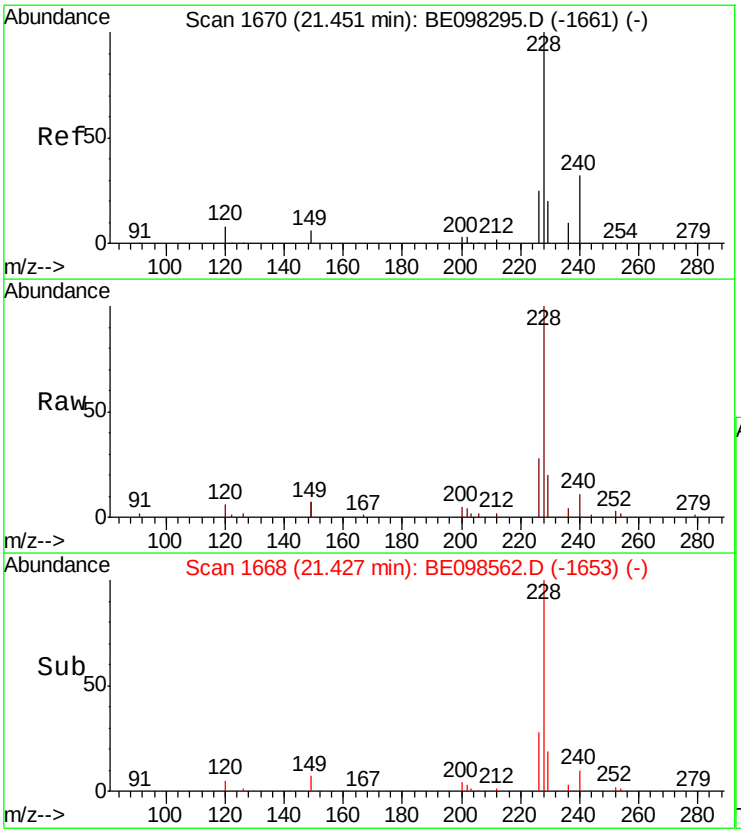
#29
Terphenyl-d14
Concen: 0.296 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:244 Resp: 5434

Ion	Ratio	Lower	Upper
244	100		
212	37.0	27.4	41.0
122	9.9	8.3	12.5

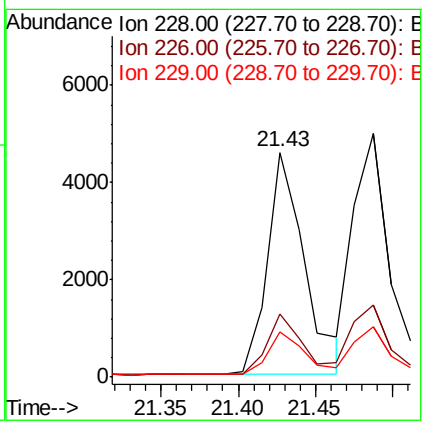


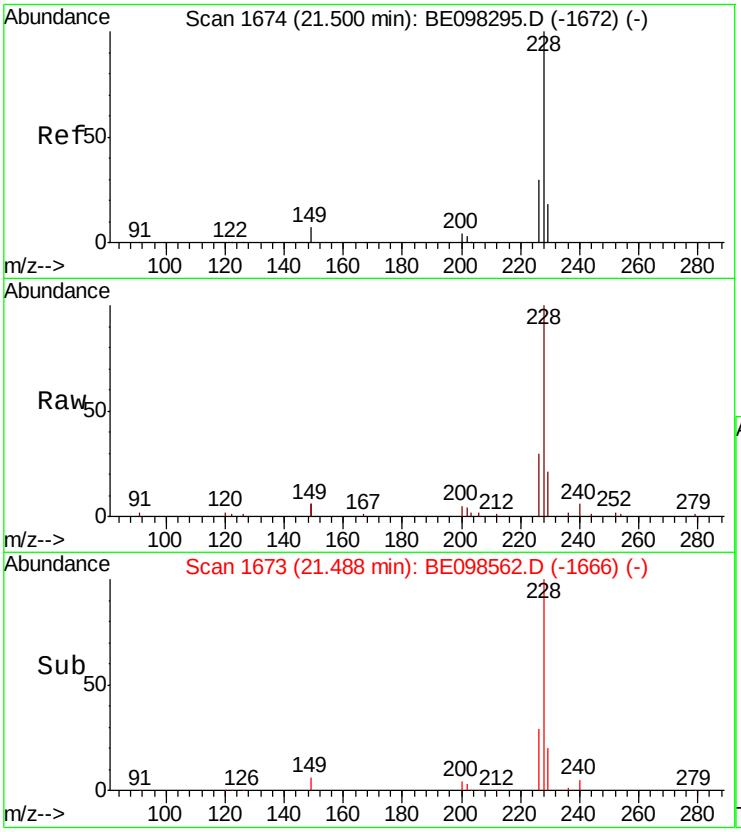


#30
Benzo(a)anthracene
Concen: 0.358 ng
RT: 21.43 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:228 Resp: 7717

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	20.0	16.3	24.5



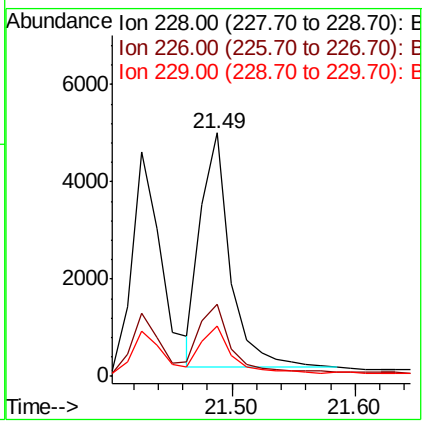


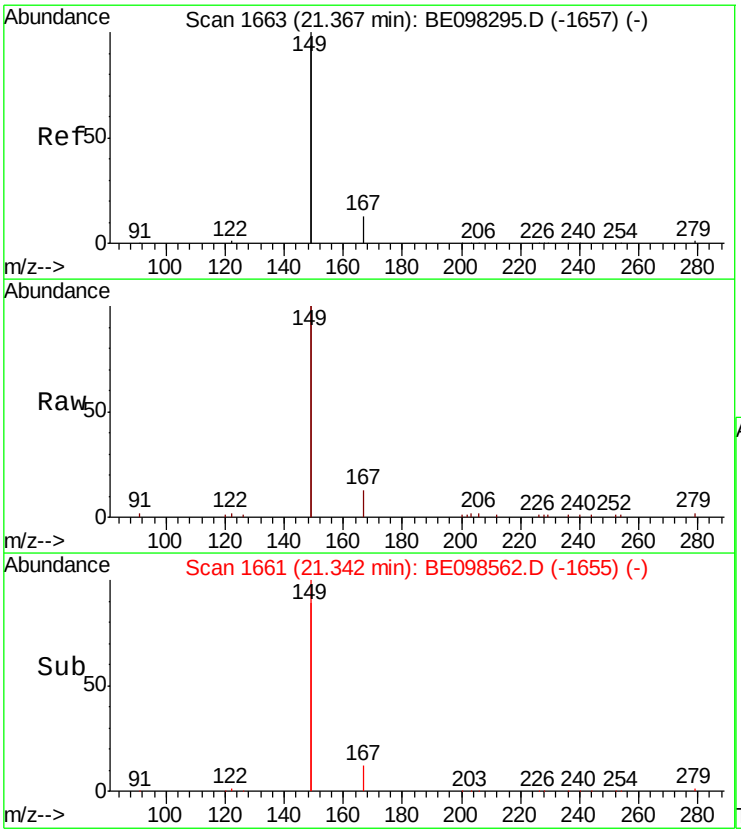
#31
Chrysene
Concen: 0.356 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:228 Resp: 8036

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.0
229	20.8	16.2	24.4

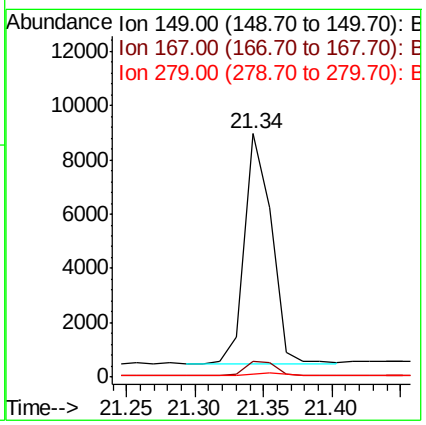


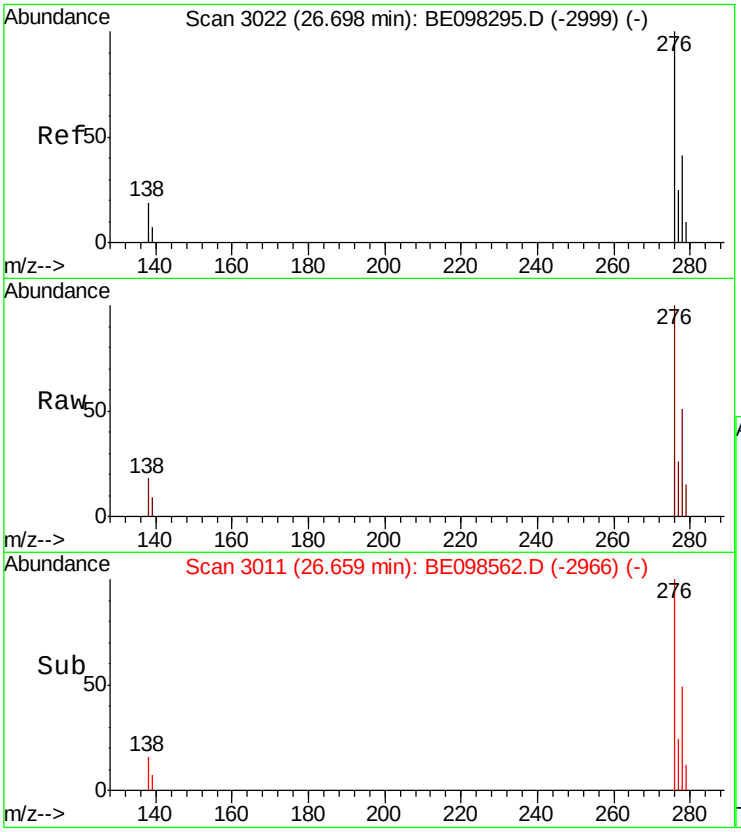


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.262 ng
RT: 21.34 min Scan# 1661
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:149 Resp: 11453

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.7	8.5
279	1.3	1.0	1.4



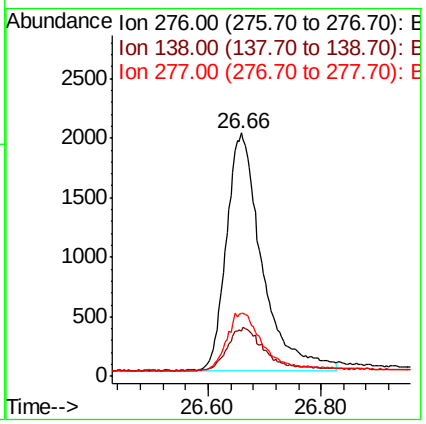


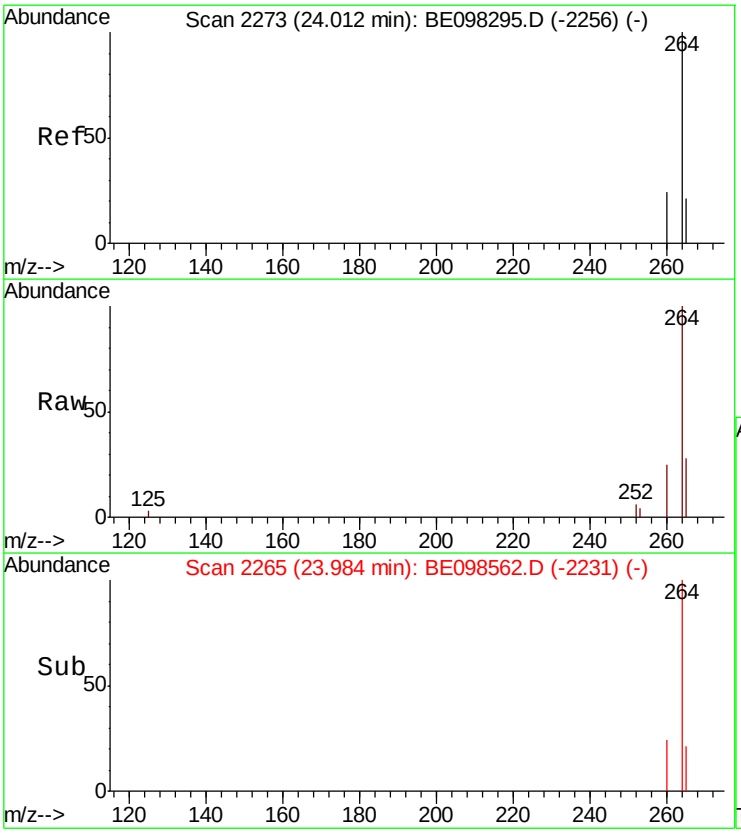
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 26.66 min Scan# 3011
Delta R.T. -0.04 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:276 Resp: 8697

Ion	Ratio	Lower	Upper
276	100		
138	17.9	16.3	24.5
277	24.0	20.2	30.4

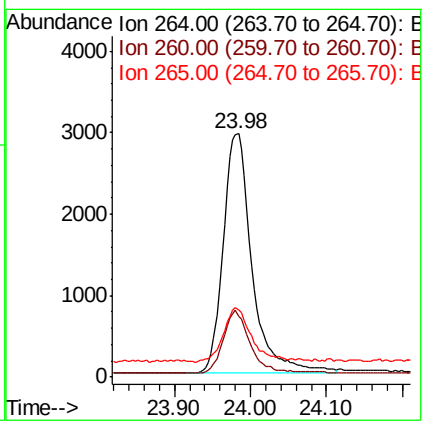


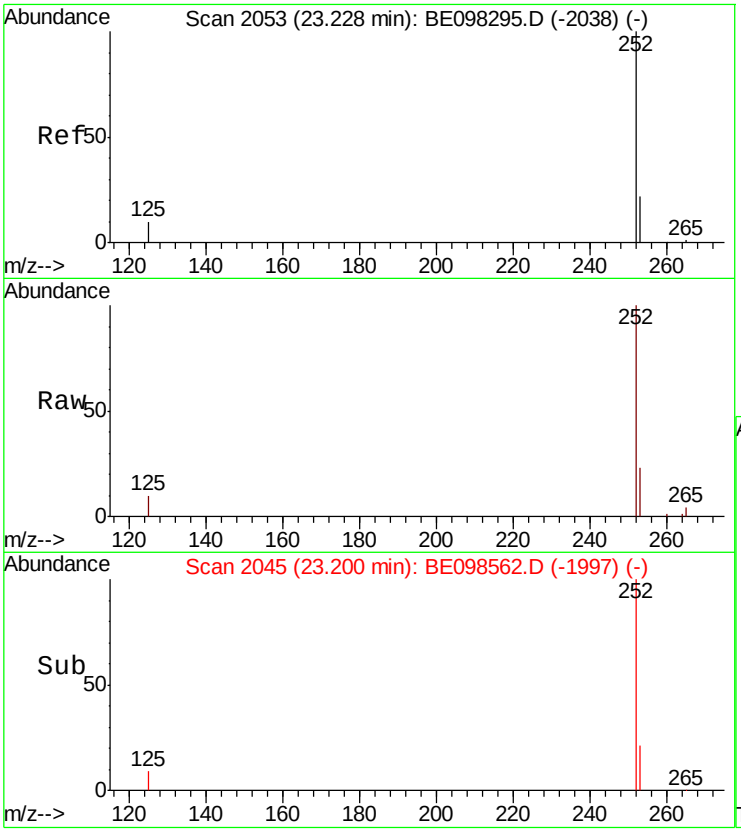


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2265
Delta R.T. -0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:264 Resp: 7753

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.2	30.2
265	27.6	25.2	37.8



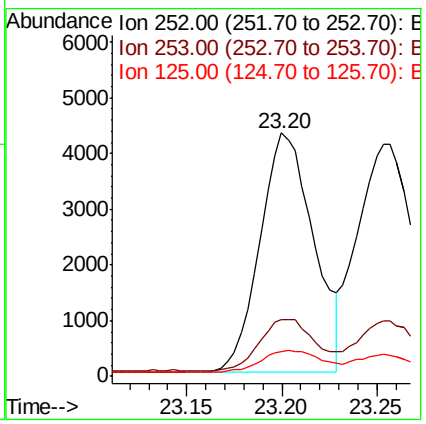


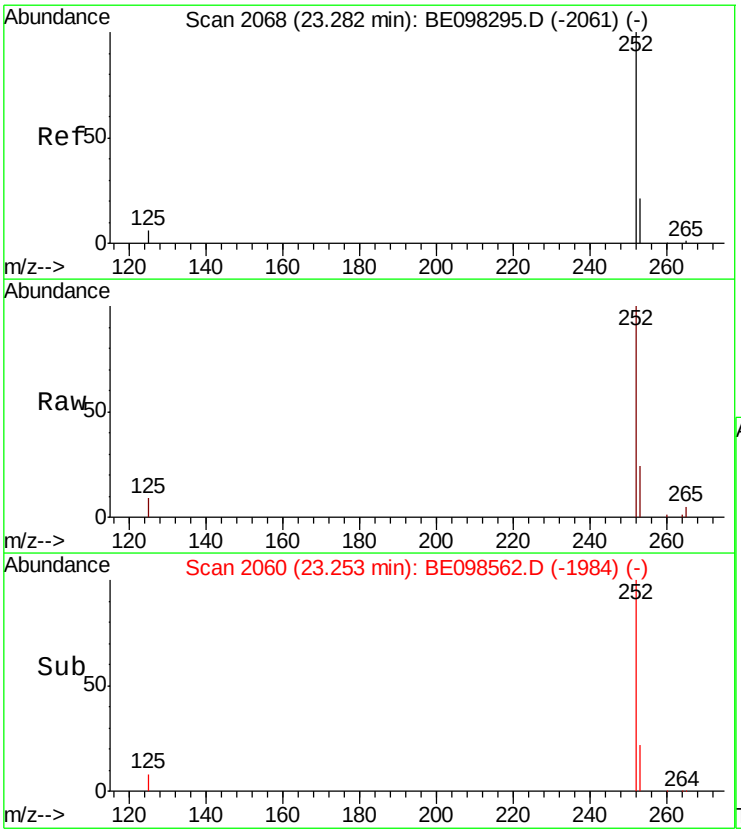
#35
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 23.20 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:252 Resp: 8446

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.0	30.0
125	10.2	9.6	14.4

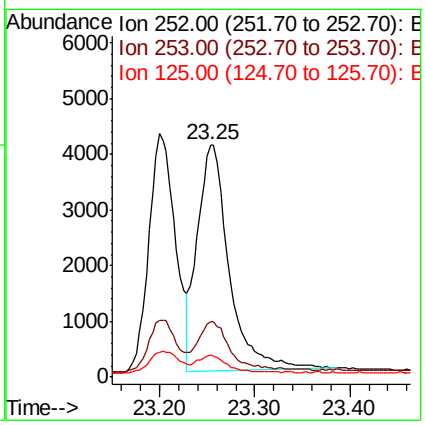


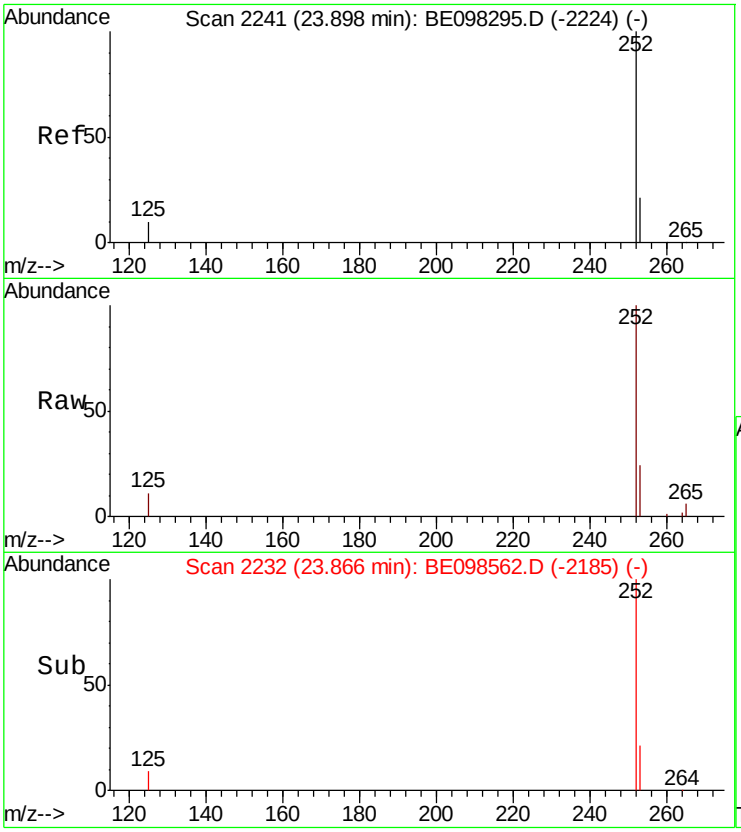


#36
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 23.25 min Scan# 2060
Delta R.T. -0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:252 Resp: 9462

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.6
125	9.4	9.1	13.7



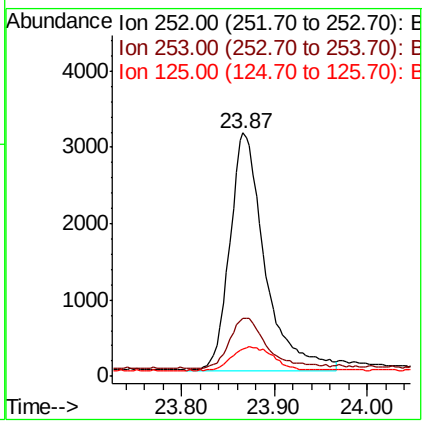


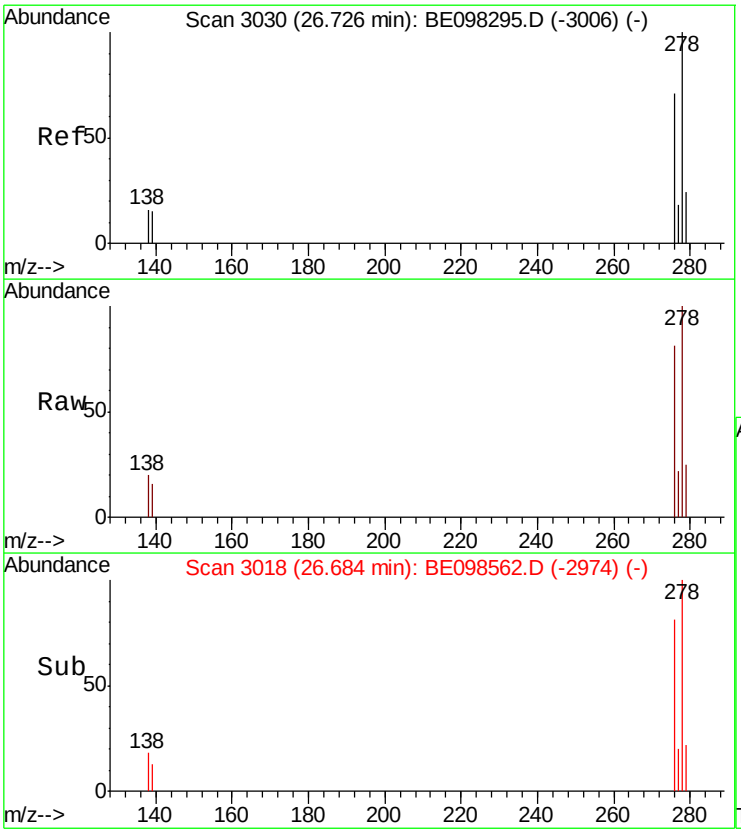
#37
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.87 min Scan# 2232
Delta R.T. -0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:252 Resp: 8178

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.6	30.8
125	11.4	10.5	15.7

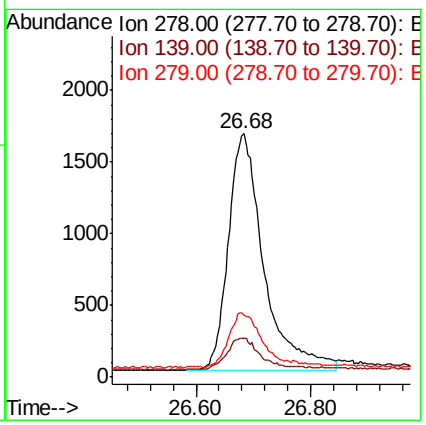


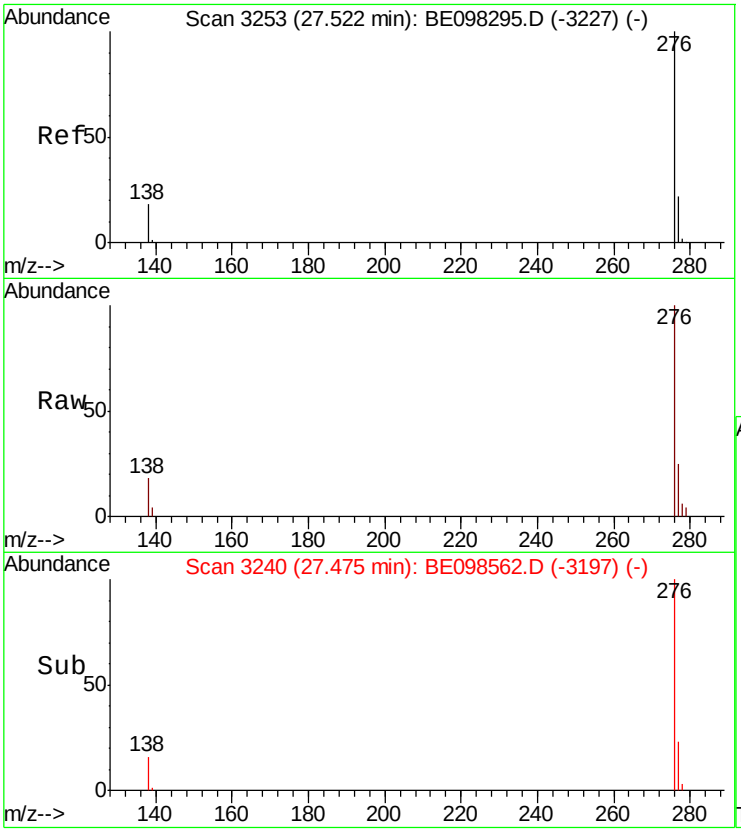


#38
Dibenzo(a,h)anthracene
Concen: 0.345 ng
RT: 26.68 min Scan# 3018
Delta R.T. -0.04 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:278 Resp: 7108

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.5	21.7
279	25.4	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.363 ng
RT: 27.48 min Scan# 3240
Delta R.T. -0.05 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:276 Resp: 7536

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.8	31.2
138	18.4	15.8	23.6