Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
Data File : BE098299.D
Acq On : 10 Dec 2018 15:32
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE121018

Quant Time: Dec 10 16:04:23 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	1402	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	6236	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4141	0.40	ng		0.00
19) Phenanthrene-d10	17.28	188	11893	0.40	ng		0.00
27) Chrysene-d12	21.46	240	12847	0.40	ng		0.00
34) Perylene-d12	24.01	264	11774	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	1274	0.39	ng		0.00
5) Phenol-d6	7.04	99	1766	0.38	ng		0.00
8) Nitrobenzene-d5	9.03	82	2150	0.38	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	4125	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	585	0.38	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	6405	0.37	ng		0.00
25) Fluoranthene-d10	19.31	212	64763	0.42	ng		0.00
29) Terphenyl-d14	19.91	244	12371	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	927	0.382	ng		98
3) n-Nitrosodimethylamine	3.69	42	708	0.324	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	1634	0.370	ng		90
9) Naphthalene	10.70	128	25163	0.401	ng		99
10) Hexachlorobutadiene	10.99	225	1651	0.413	ng		97
12) 2-Methylnaphthalene	12.34	142	4059	0.398	ng		98
16) Acenaphthylene	14.24	152	7482	0.386	ng		99
17) Acenaphthene	14.59	154	4560	0.391	ng		100
18) Fluorene	15.57	166	6215	0.399	ng		100
20) 4-Bromophenyl-phenylether	16.46	248	2424	0.379	ng		93
21) Hexachlorobenzene	16.58	284	2648	0.385	ng		98
22) Pentachlorophenol	16.94	266	382	0.352	ng		90
23) Phenanthrene	17.32	178	11503	0.398	ng		98
24) Anthracene	17.41	178	9824	0.381	ng		100
26) Fluoranthene	19.34	202	16123	0.422	ng		99
28) Pyrene	19.70	202	16410	0.407	ng		99
30) Benzo(a)anthracene	21.45	228	14077	0.385	ng		98
31) Chrysene	21.50	228	15266	0.398	ng		98
32) Bis(2-ethylhexyl)phthalate	21.37	149	29233	0.393	ng		99
33) Indeno(1,2,3-cd)pyrene	26.70	276	14660	0.384	ng		99
35) Benzo(b)fluoranthene	23.23	252	12417	0.386	ng		99
36) Benzo(k)fluoranthene	23.28	252	14462	0.386	ng		99
37) Benzo(a)pyrene	23.90	252	12809	0.386	ng		98
38) Dibenzo(a,h)anthracene	26.73	278	12007	0.384	ng		99
39) Benzo(g,h,i)perylene	27.52	276	12350	0.392	ng		97

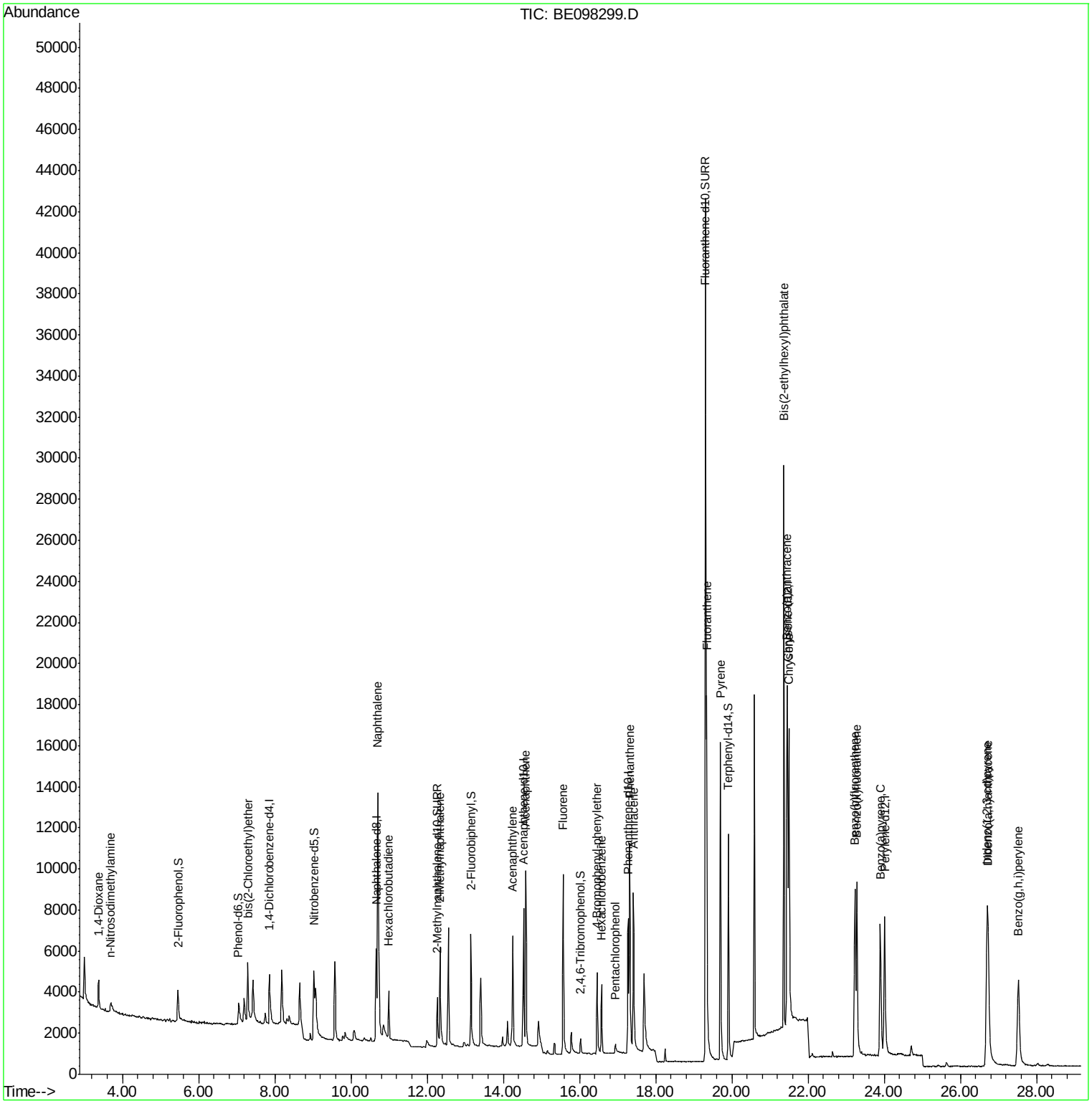
(#) = qualifier out of range (m) = manual integration (+) = signals summed

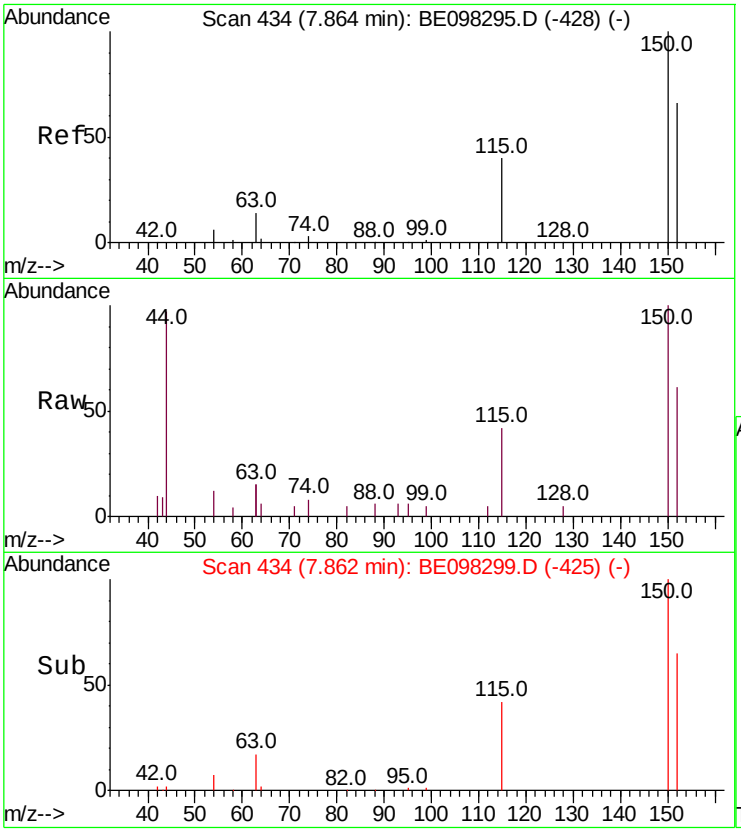
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
Data File : BE098299.D
Acq On : 10 Dec 2018 15:32
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Quant Time: Dec 10 16:04:23 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

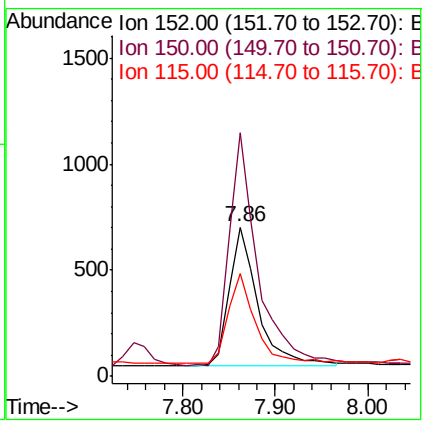




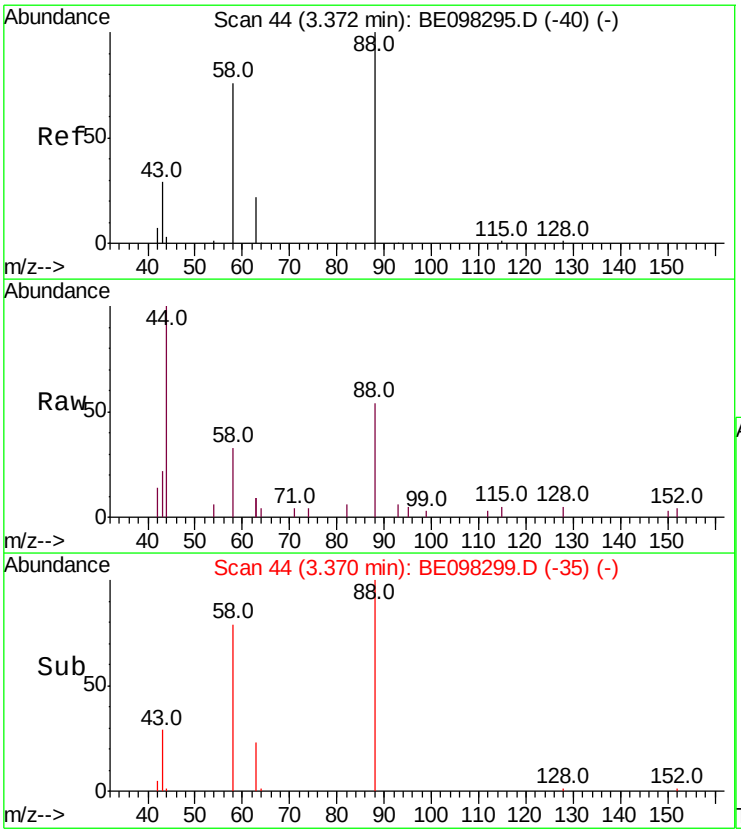
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:152 Resp: 1402

Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.2	186.4
115	68.8	53.9	80.9



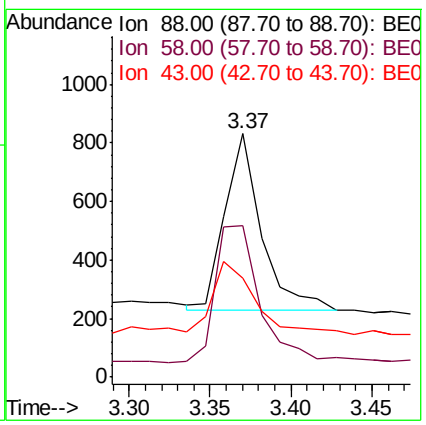
Instrument :
BNA_E
ClientSampleId :
ICVBE121018

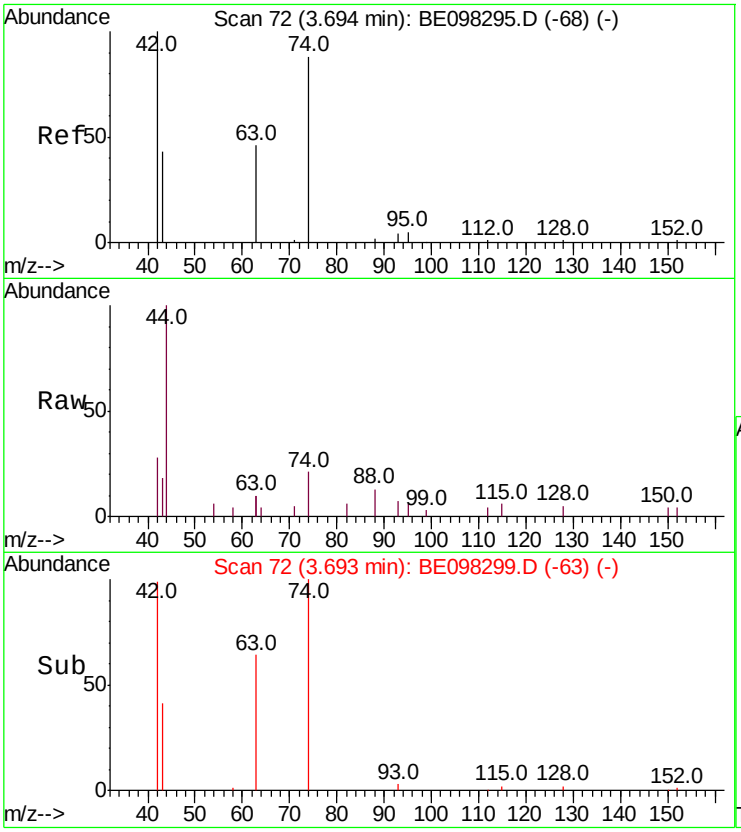


#2
1,4-Dioxane
Concen: 0.382 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion: 88 Resp: 927

Ion	Ratio	Lower	Upper
88	100		
58	94.9	75.0	112.6
43	50.8	38.3	57.5



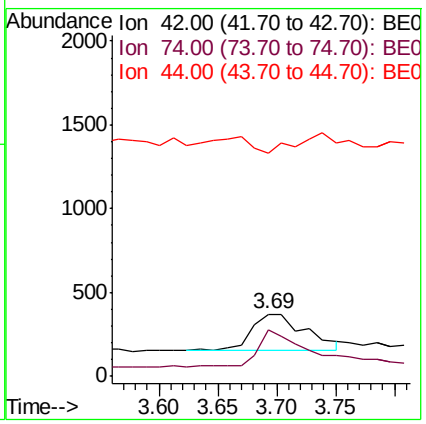


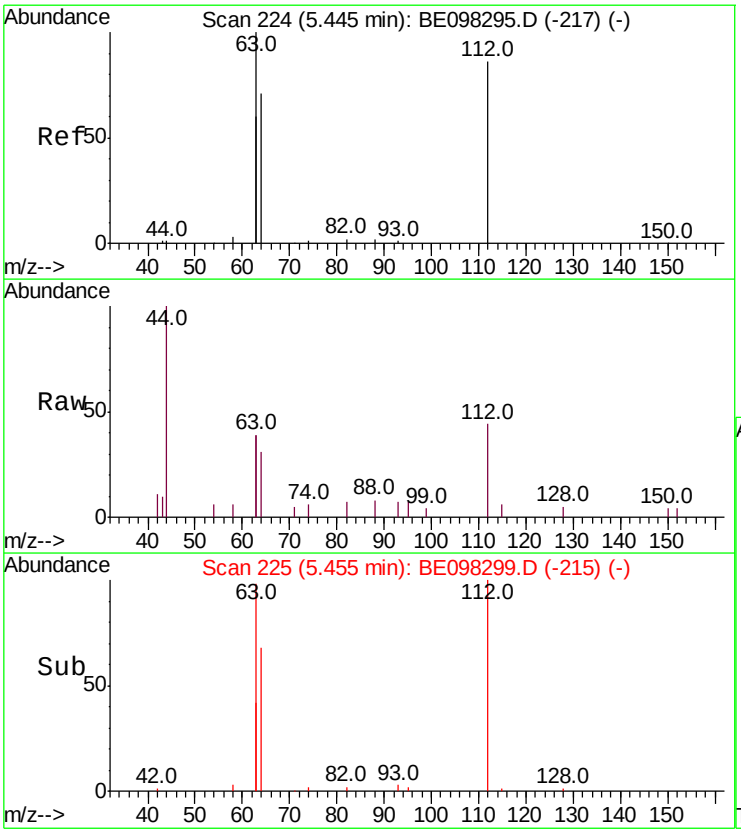
#3
n-Nitrosodimethylamine
Concen: 0.324 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion: 42 Resp: 708

Ion	Ratio	Lower	Upper
42	100		
74	76.0	0.0	0.0#
44	0.0	0.0	0.0

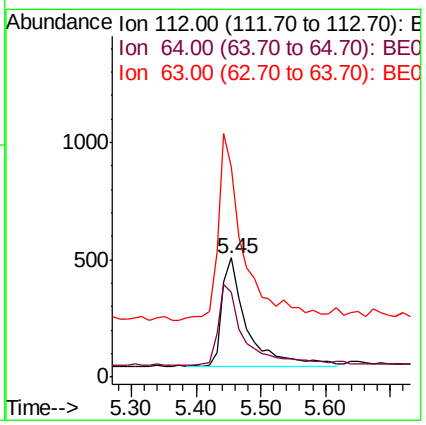


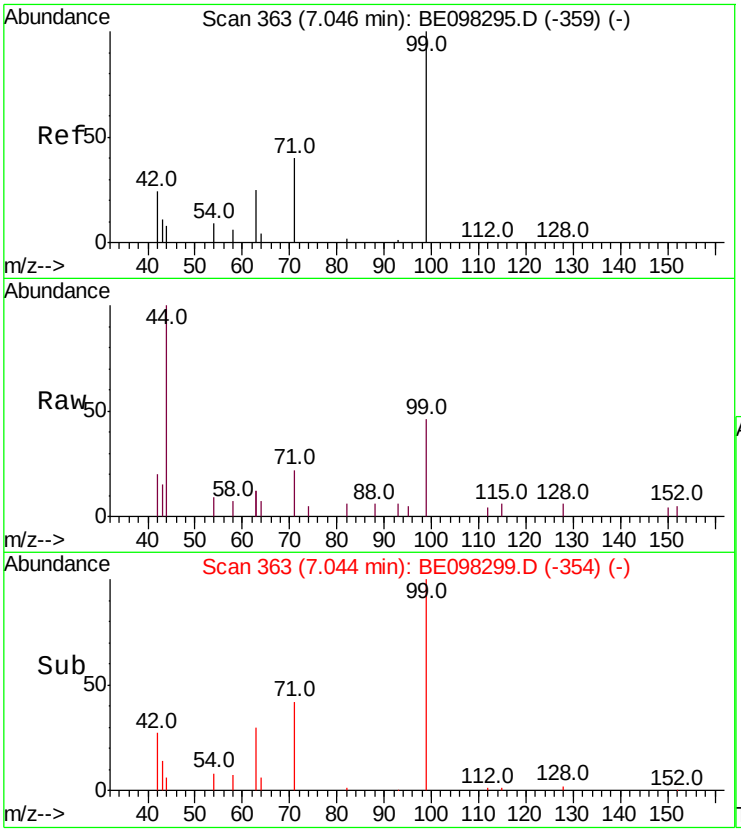


#4
2-Fluorophenol
Concen: 0.388 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:112 Resp: 1274

Ion	Ratio	Lower	Upper
112	100		
64	81.1	59.8	89.8
63	172.9	133.7	200.5



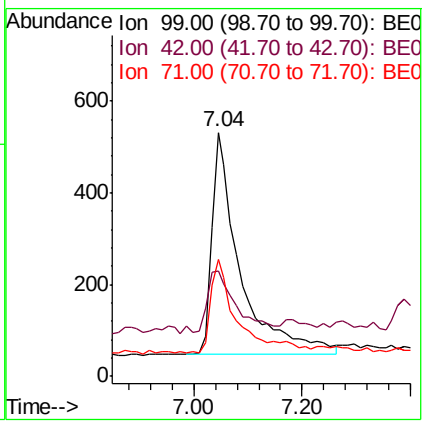


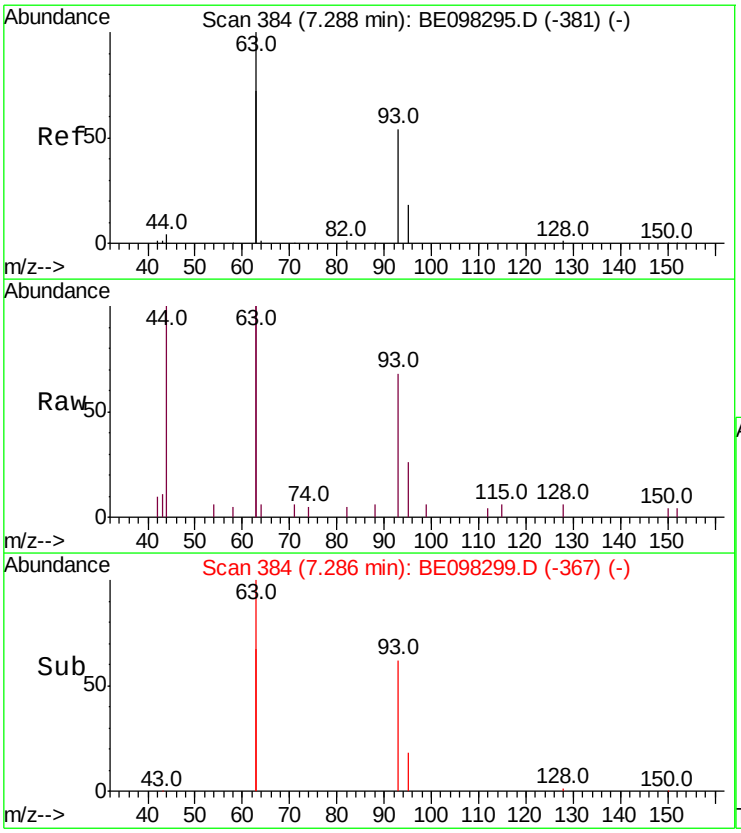
#5
Phenol-d6
Concen: 0.380 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion: 99 Resp: 1766

Ion	Ratio	Lower	Upper
99	100		
42	27.9	26.3	39.5
71	38.6	33.6	50.4

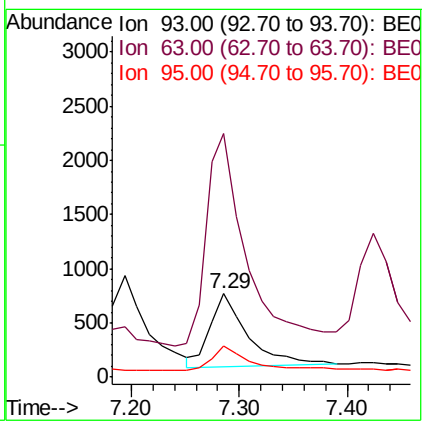


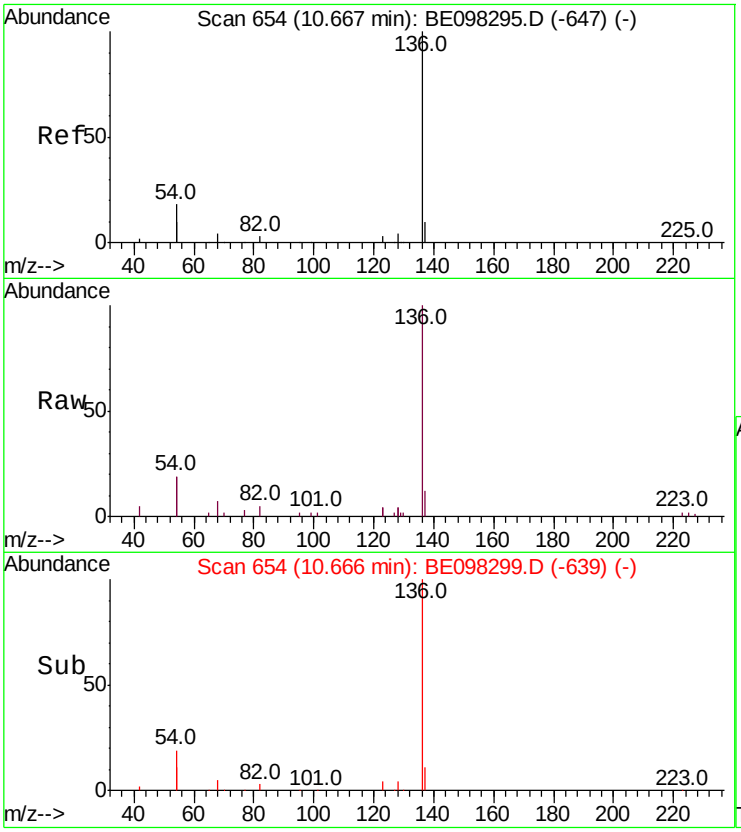


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion: 93 Resp: 1634

Ion	Ratio	Lower	Upper
93	100		
63	309.5	264.4	396.6
95	36.4	26.6	40.0



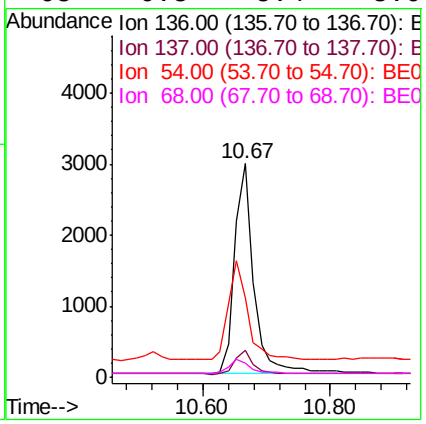


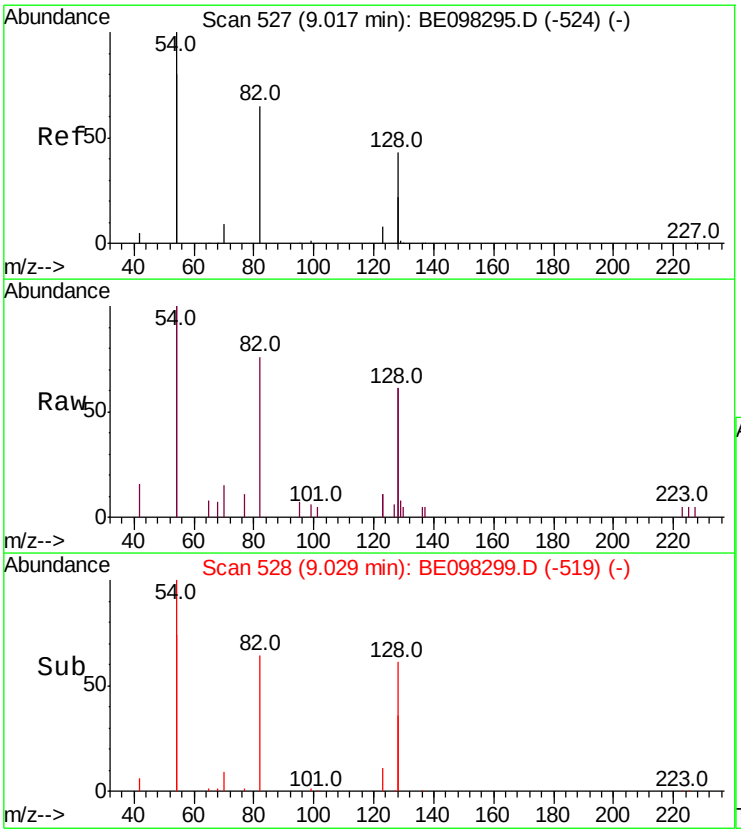
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:136 Resp: 6236

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	37.2	28.4	42.6
68	6.8	5.4	8.0

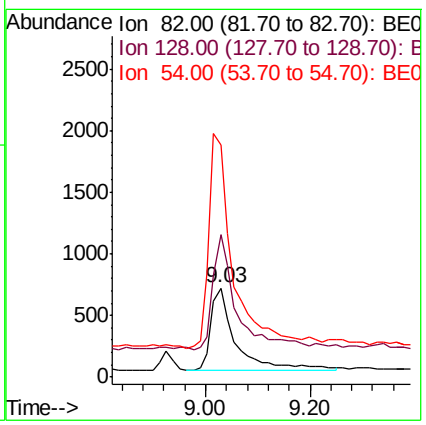


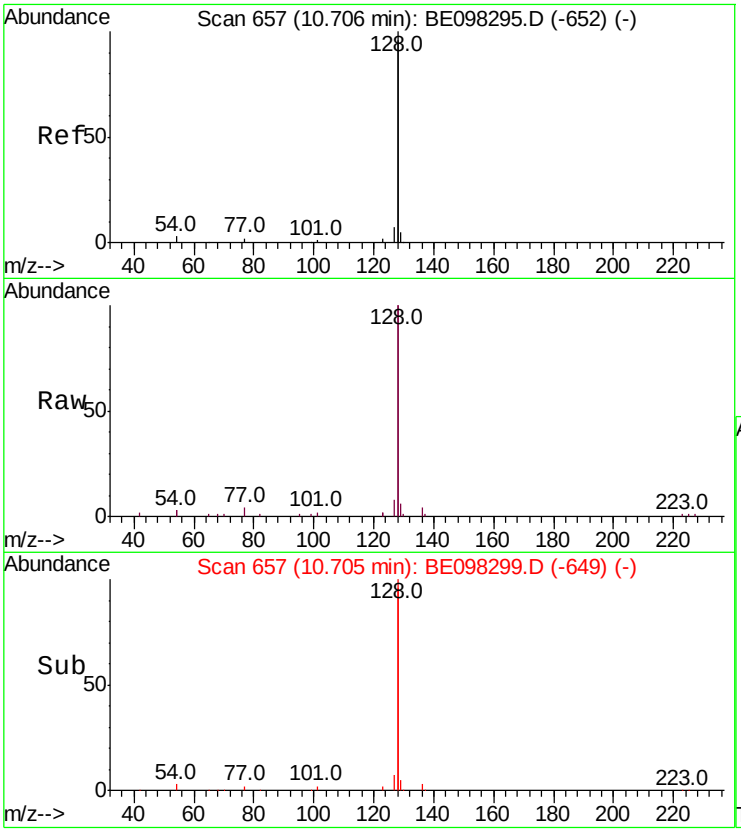


#8
Nitrobenzene-d5
Concen: 0.379 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion: 82 Resp: 2150

Ion	Ratio	Lower	Upper
82	100		
128	160.8	102.4	153.6#
54	261.7	221.8	332.8



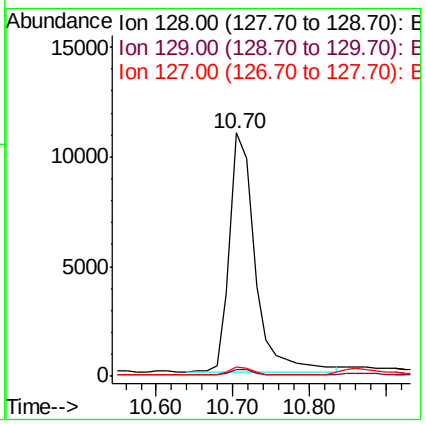


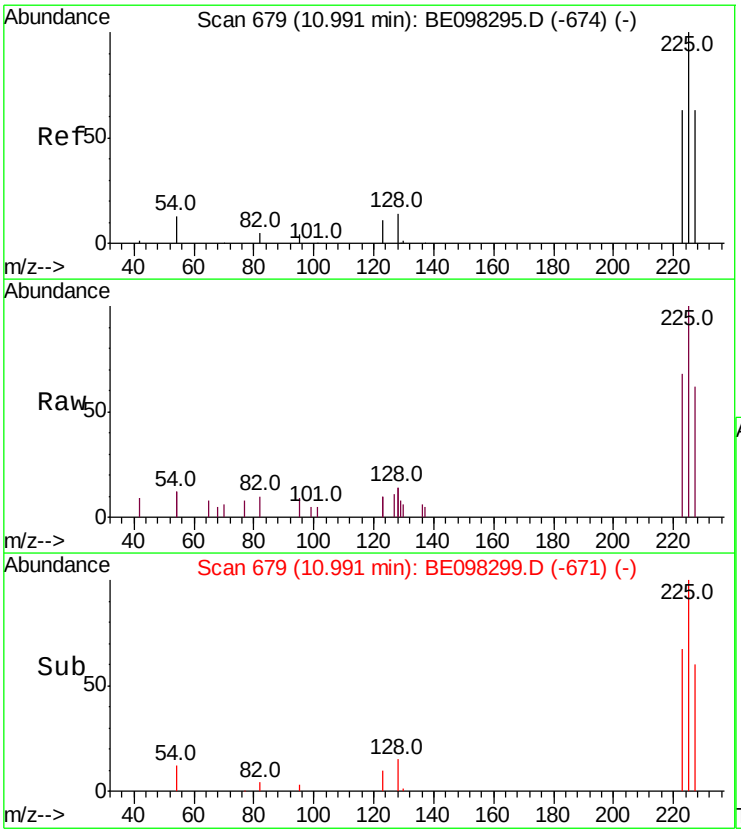
#9
Naphthalene
Concen: 0.401 ng
RT: 10.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:128 Resp: 25163

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.5	3.7
127	3.9	2.7	4.1

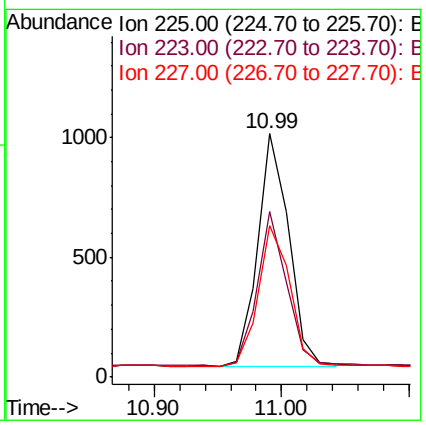


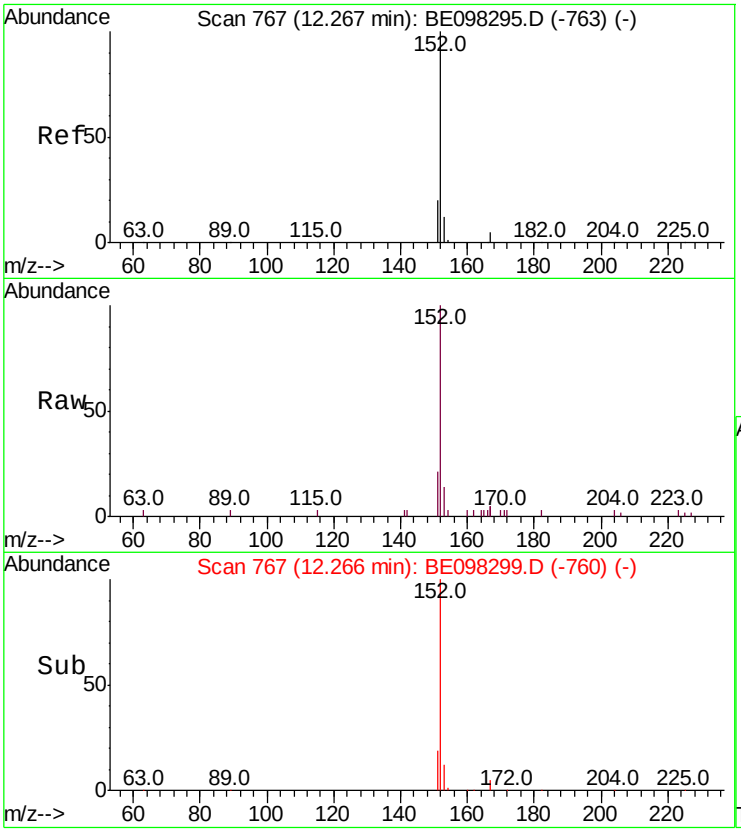


#10
Hexachlorobutadiene
Concen: 0.413 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:225 Resp: 1651

Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.4	74.0
227	61.4	52.0	78.0



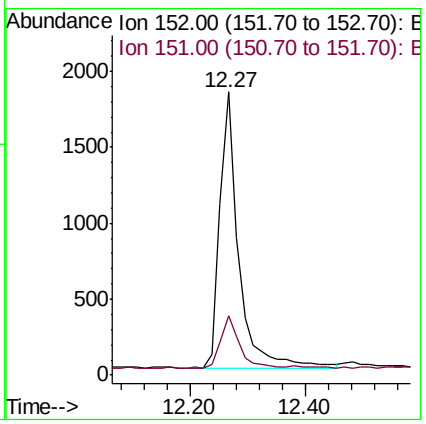


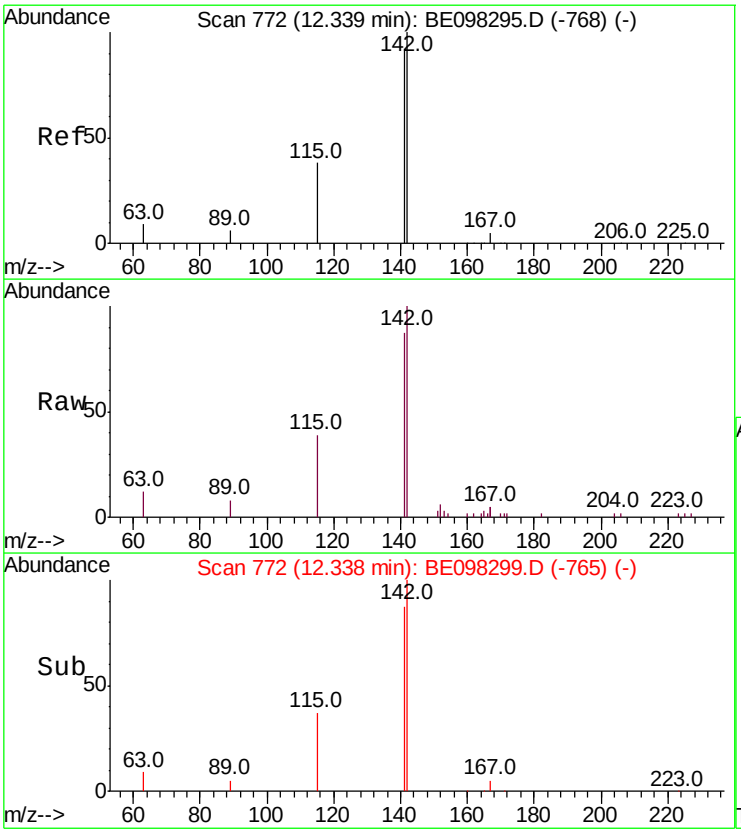
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:152 Resp: 4125

Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.2	24.4

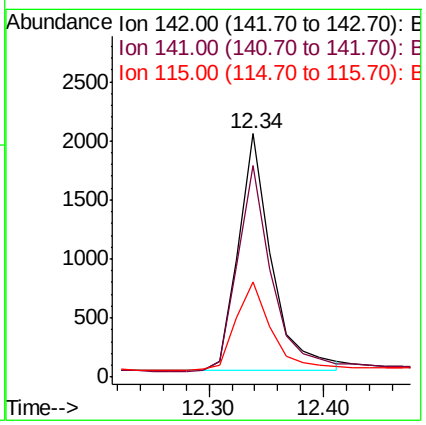


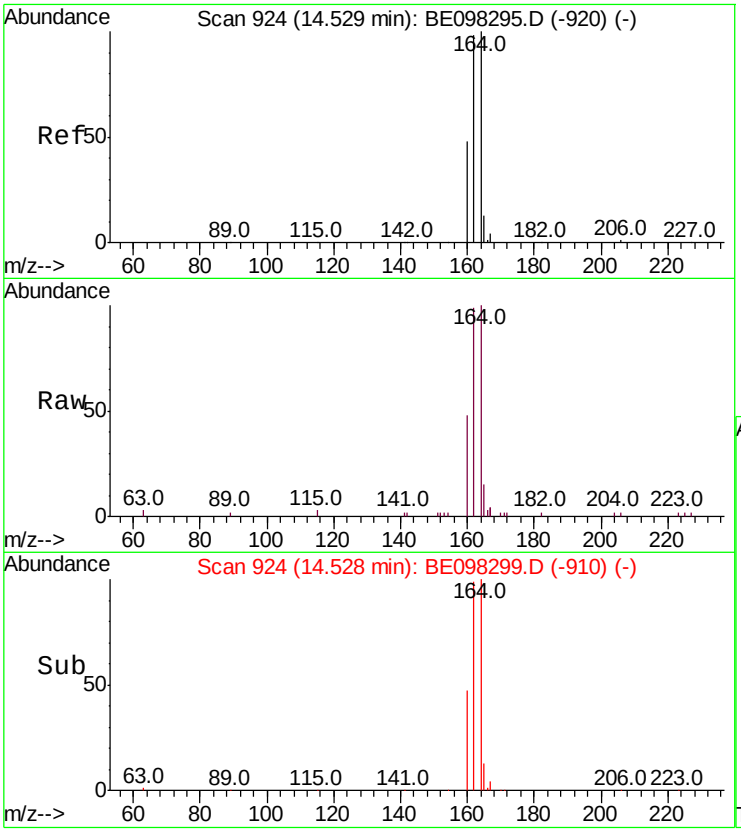


#12
2-Methylnaphthalene
Concen: 0.398 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:142 Resp: 4059

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.0	106.6
115	38.8	32.2	48.2



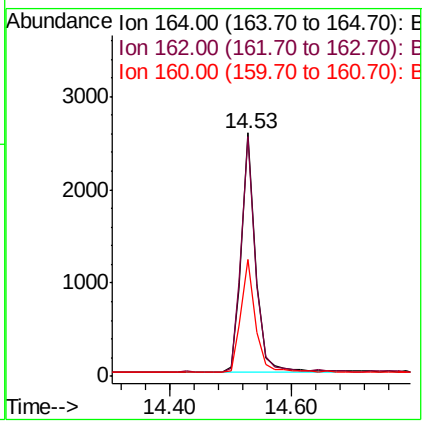


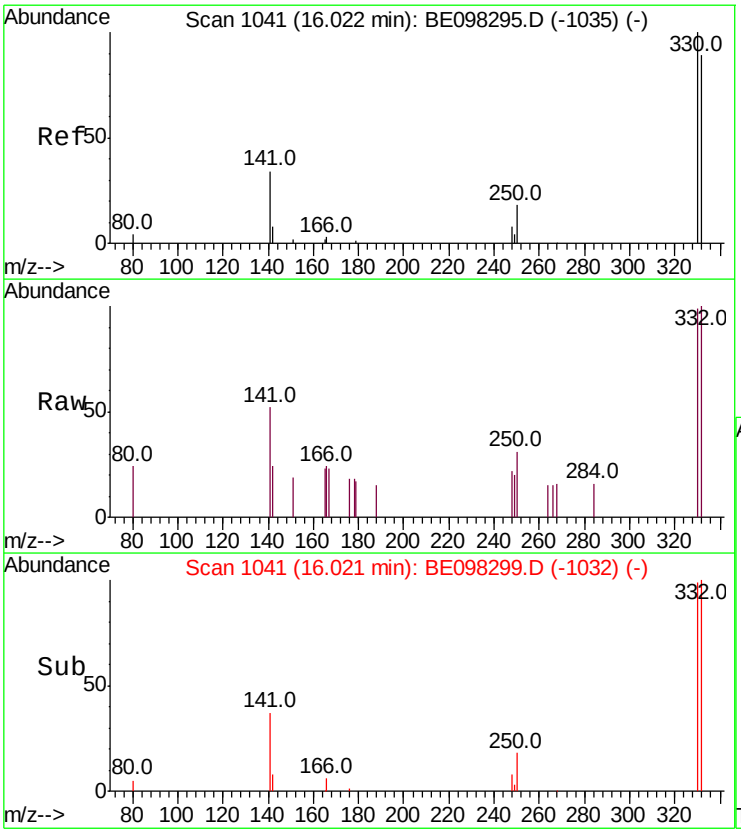
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:164 Resp: 4141

Ion	Ratio	Lower	Upper
164	100		
162	98.7	77.6	116.4
160	48.0	36.0	54.0

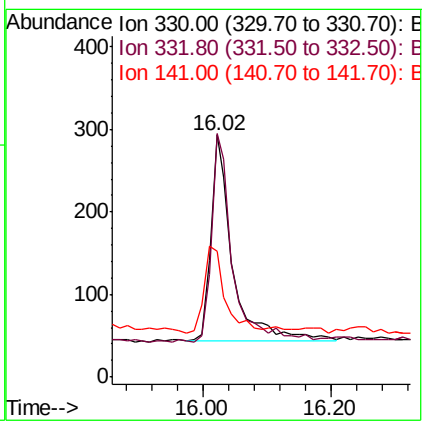


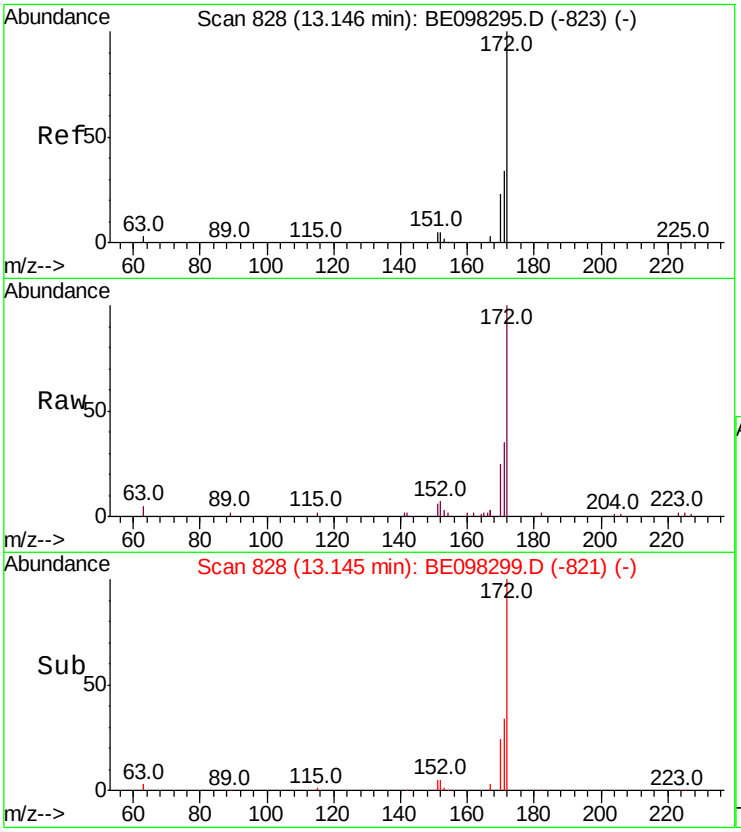


#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:330 Resp: 585

Ion	Ratio	Lower	Upper
330	100		
332	99.7	76.2	114.4
141	41.7	39.0	58.4



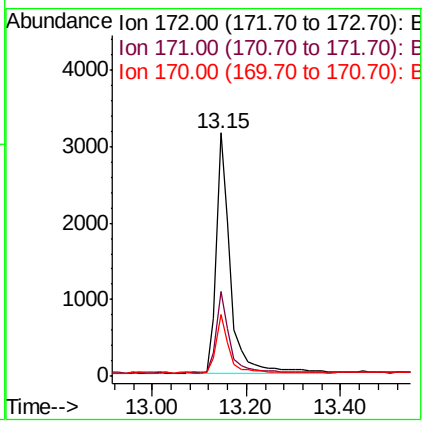


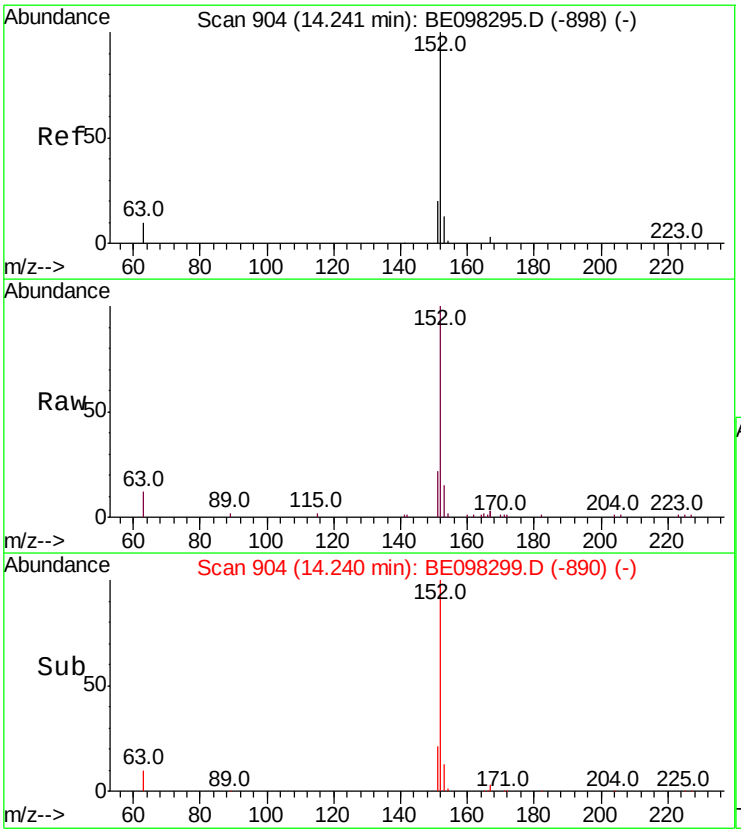
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:172 Resp: 6405

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.5	41.3
170	25.3	19.6	29.4

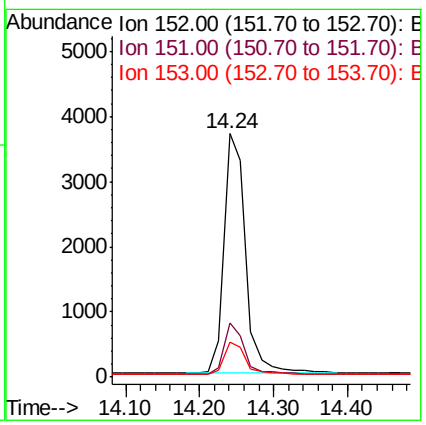


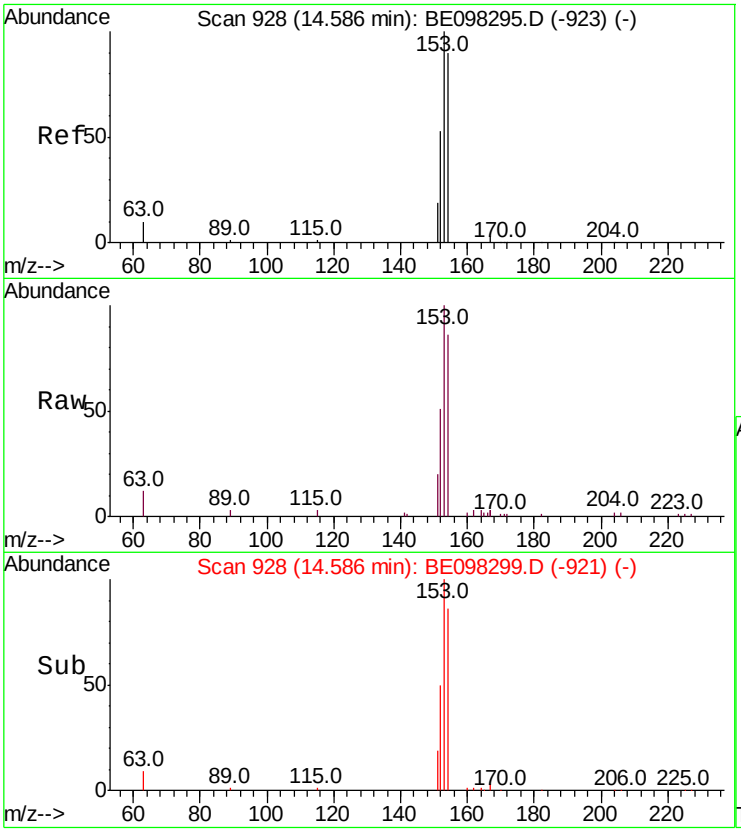


#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:152 Resp: 7482

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.2	10.6	16.0



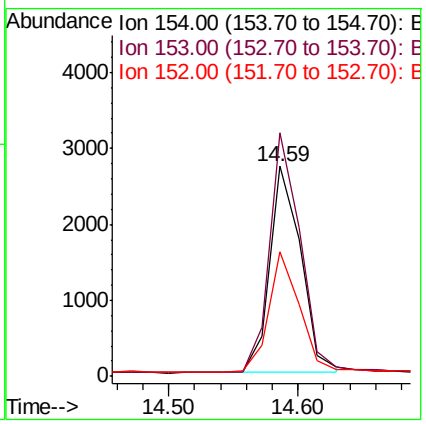


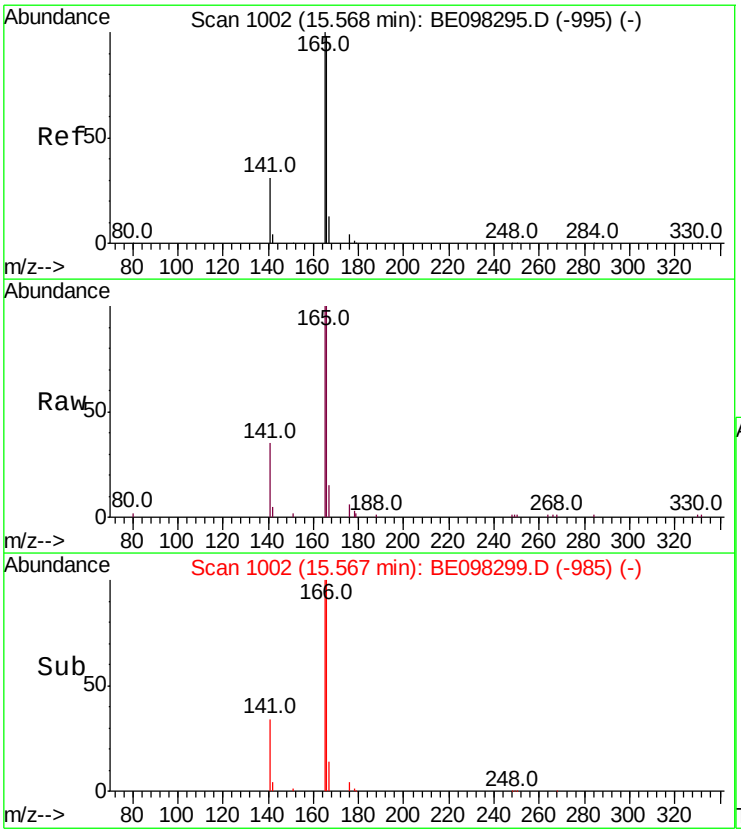
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:154 Resp: 4560

Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.8	137.6
152	57.5	45.5	68.3

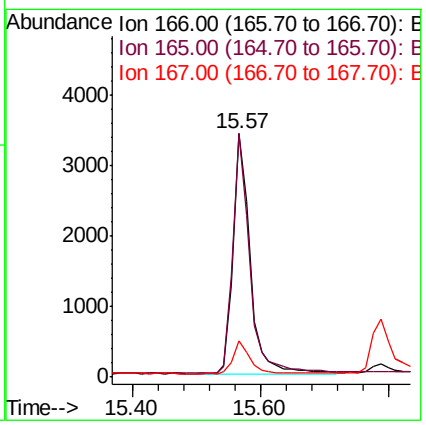


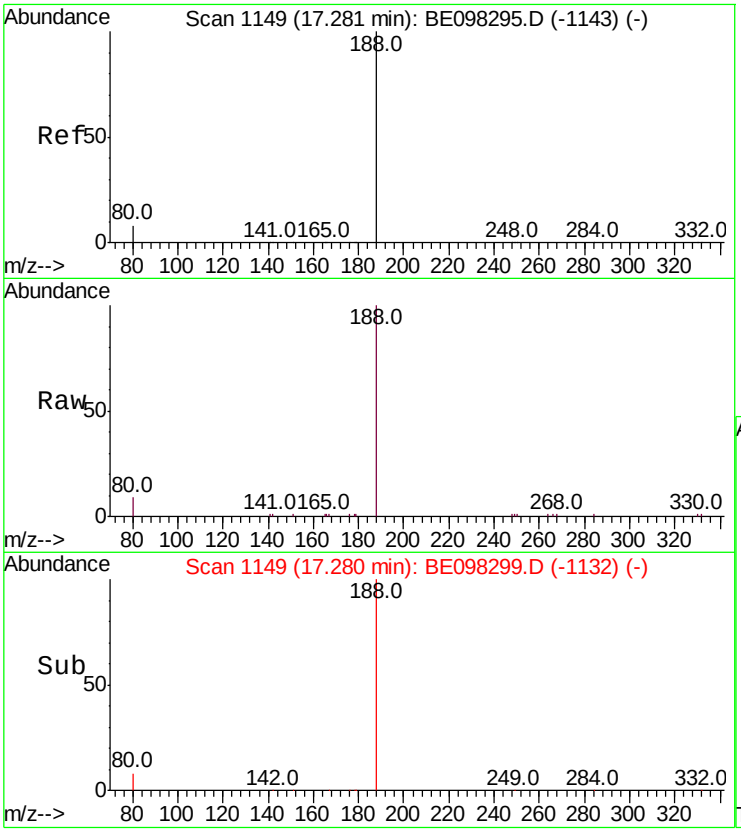


#18
Fluorene
Concen: 0.399 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:166 Resp: 6215

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.3	118.9
167	14.1	11.3	16.9



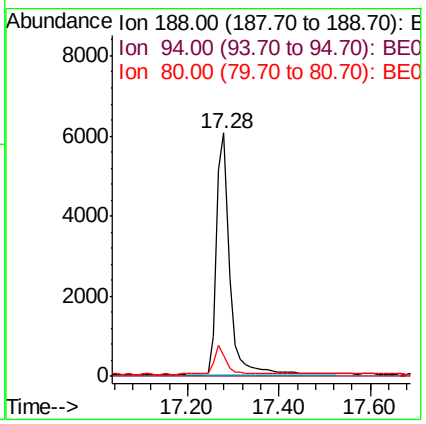


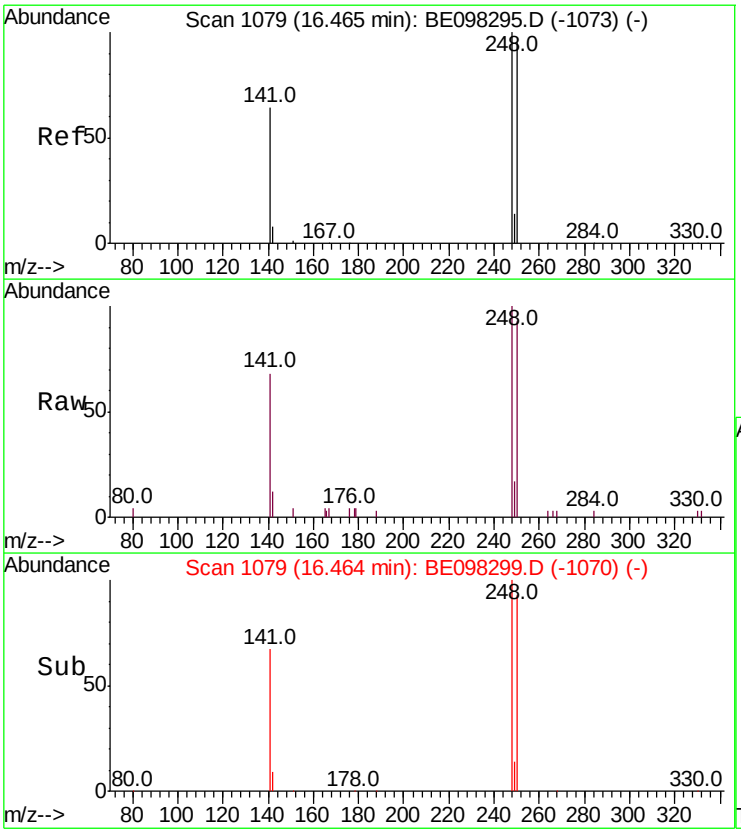
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:188 Resp: 11893

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.2	10.8

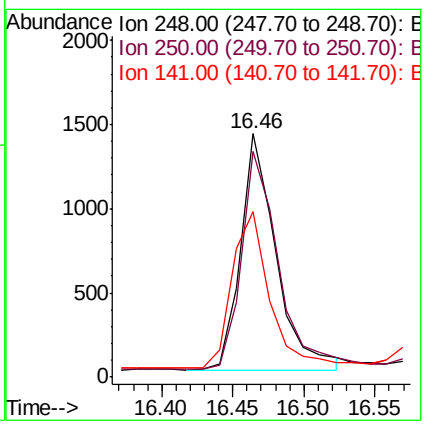


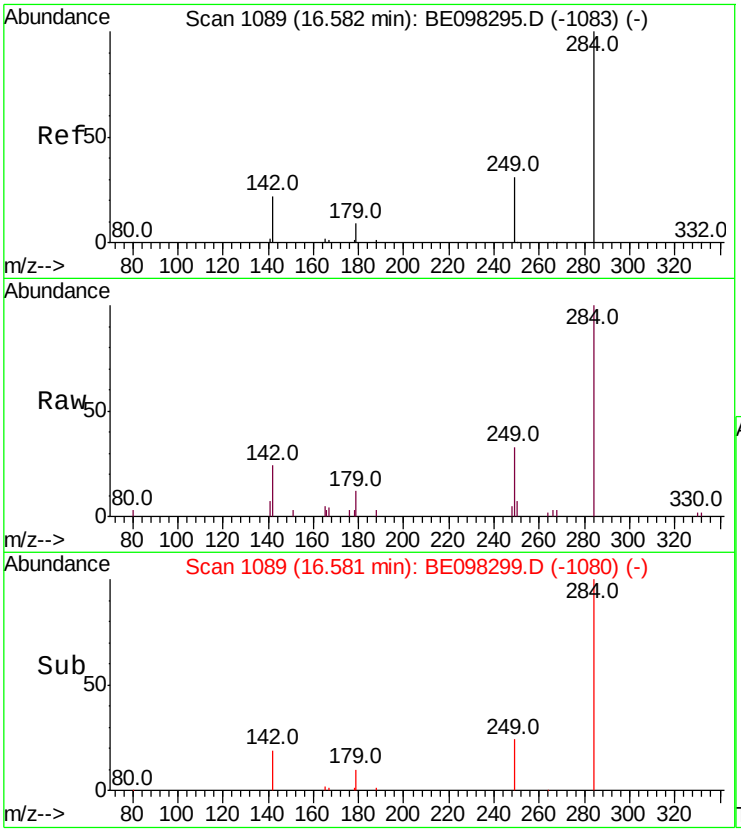


#20
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:248 Resp: 2424

Ion	Ratio	Lower	Upper
248	100		
250	92.7	71.0	106.6
141	68.2	62.1	93.1



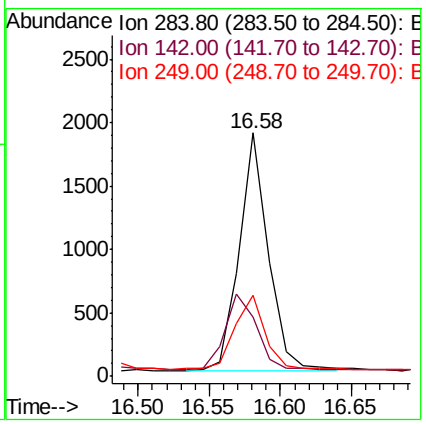


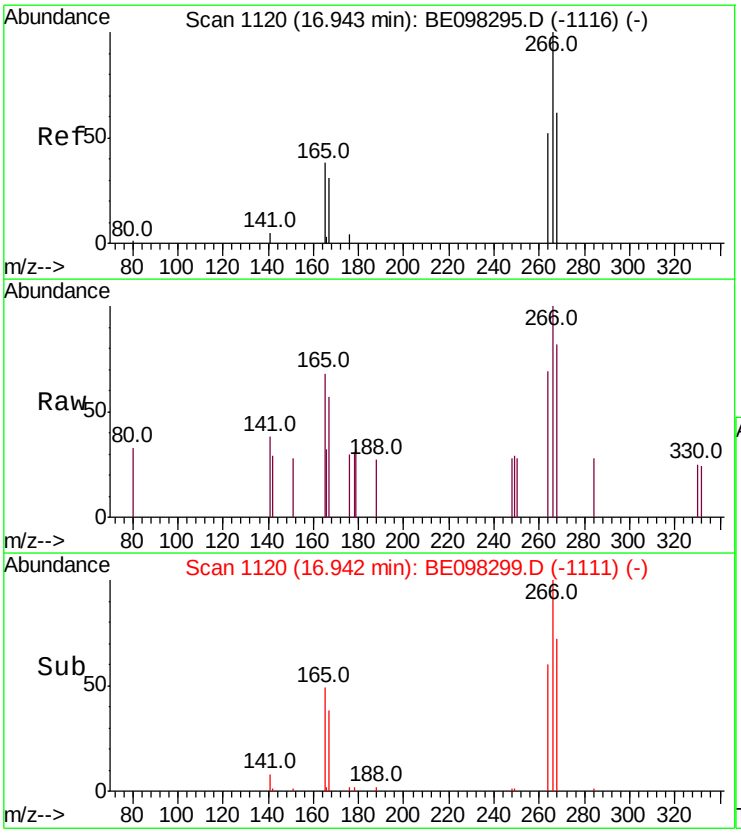
#21
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:284 Resp: 2648

Ion	Ratio	Lower	Upper
284	100		
142	34.5	26.3	39.5
249	33.0	26.0	39.0

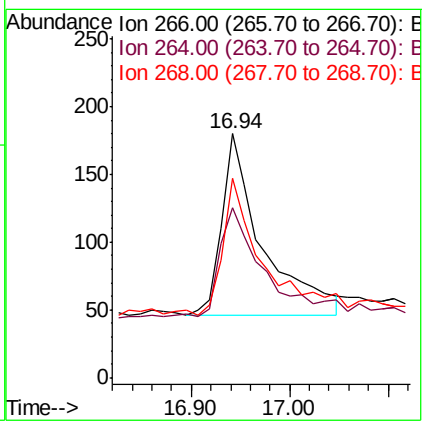


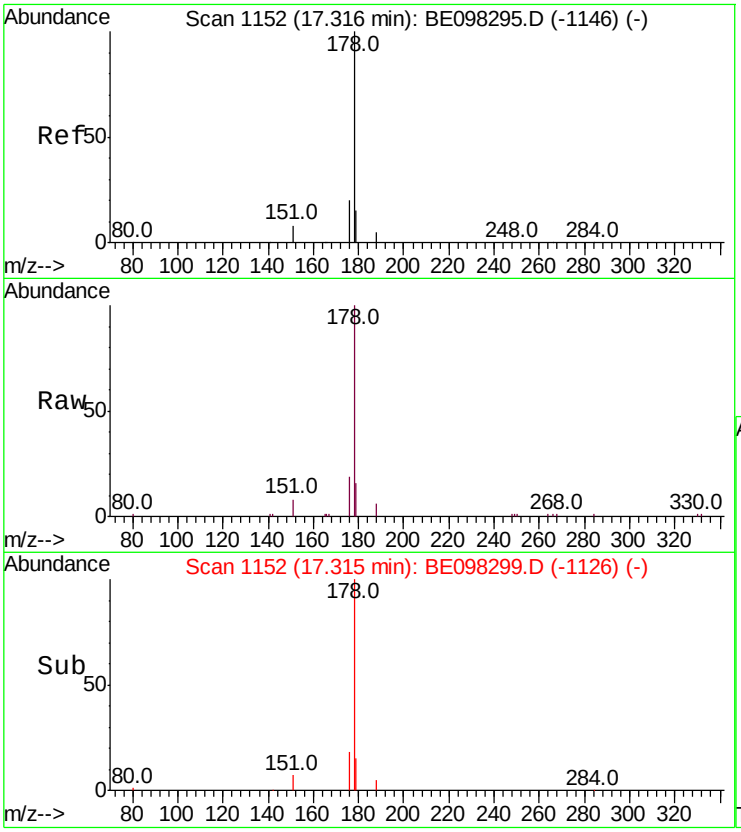


#22
Pentachlorophenol
Concen: 0.352 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:266 Resp: 382

Ion	Ratio	Lower	Upper
266	100		
264	69.4	59.0	88.4
268	81.7	55.1	82.7



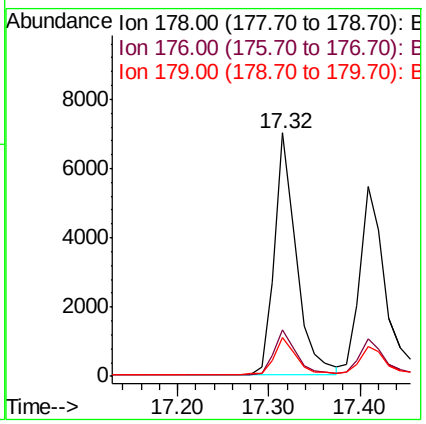


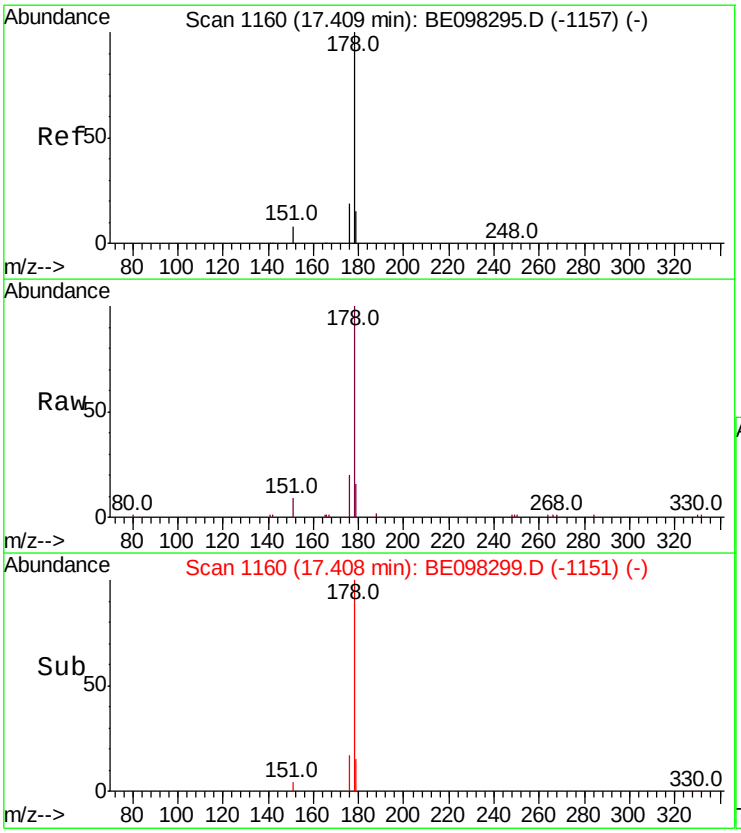
#23
Phenanthrene
Concen: 0.398 ng
RT: 17.32 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:178 Resp: 11503

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.8	12.3	18.5

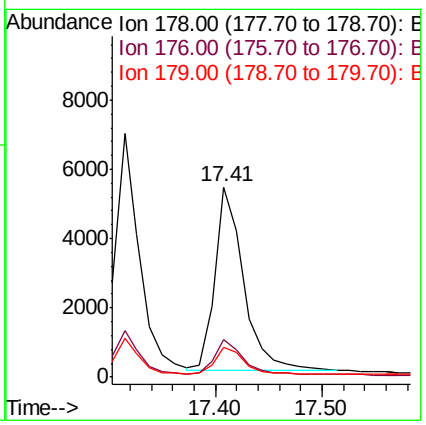


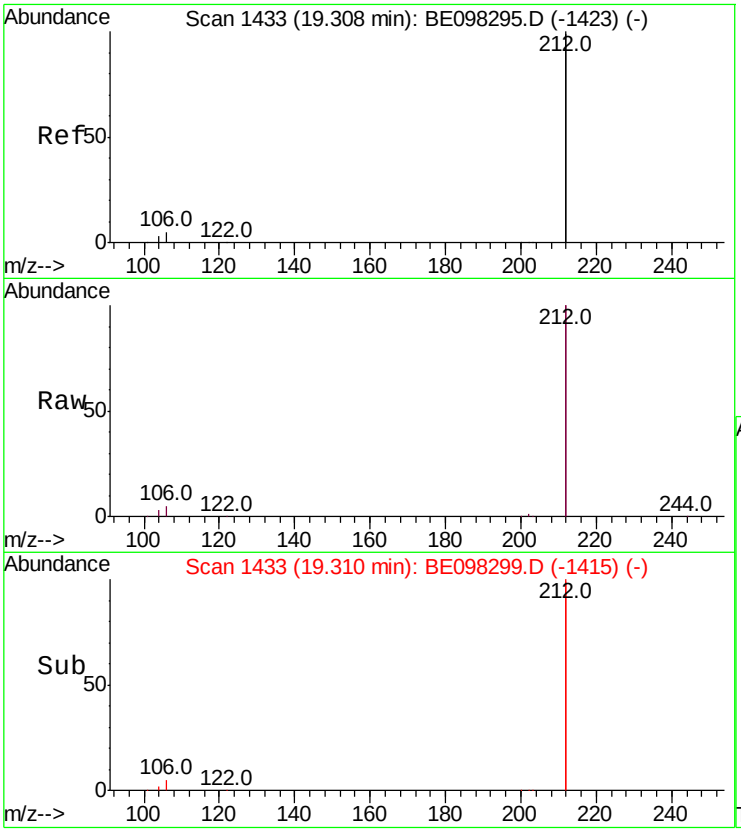


#24
Anthracene
Concen: 0.381 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:178 Resp: 9824

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.3	18.5



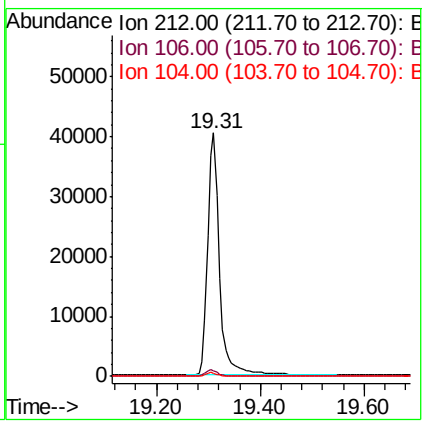


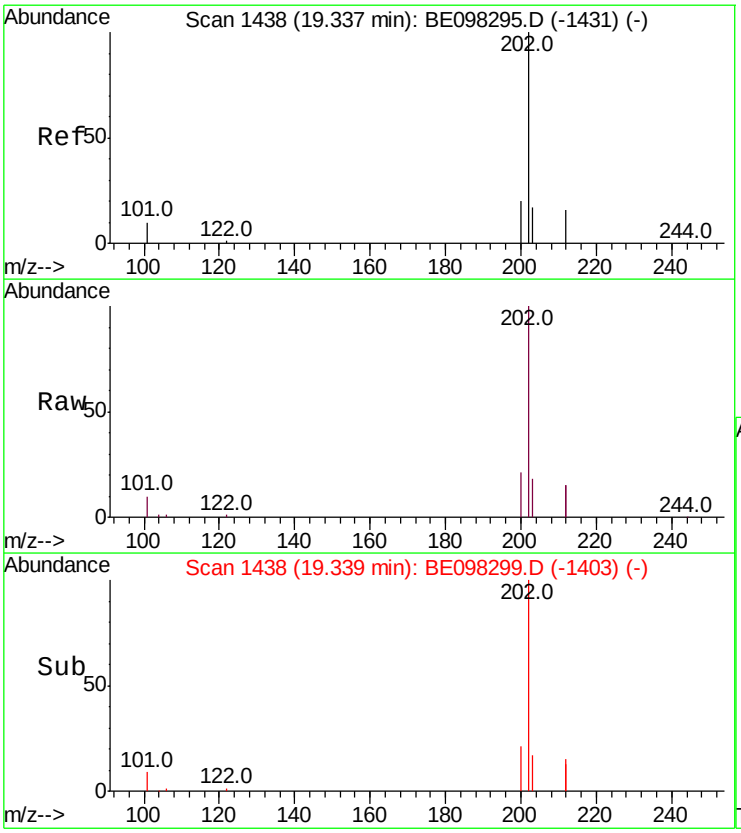
#25
Fluoranthene-d10
Concen: 0.424 ng
RT: 19.31 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument : BNA_E
ClientSampleId : ICVBE121018

Tgt Ion:212 Resp: 64763

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.5	1.3	1.9

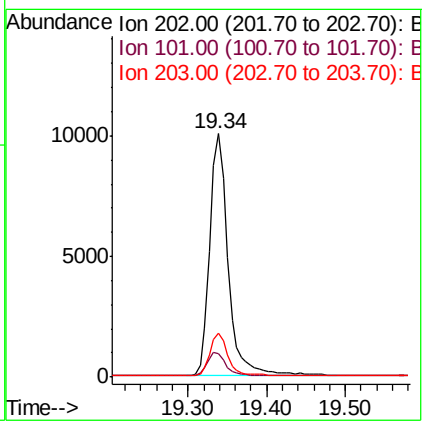


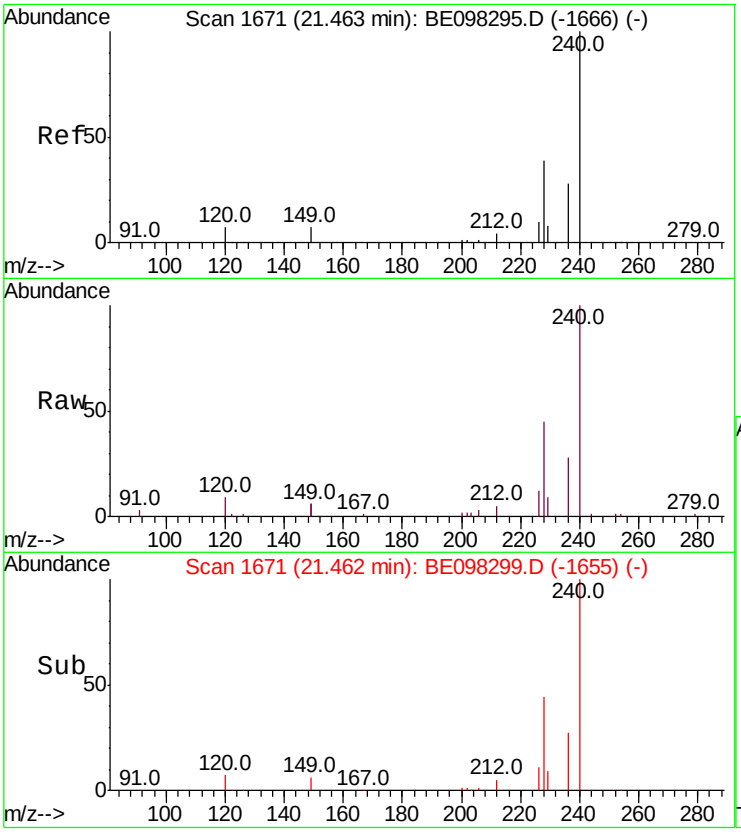


#26
Fluoranthene
Concen: 0.422 ng
RT: 19.34 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:202 Resp: 16123

Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.0	12.0
203	16.6	13.8	20.6



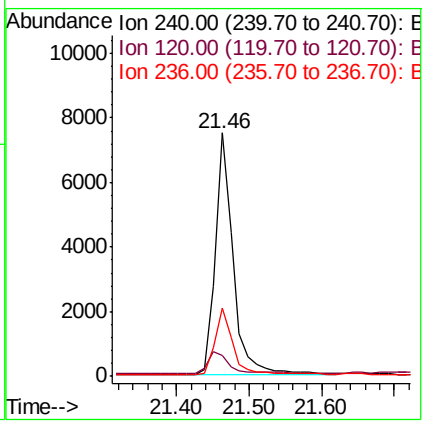


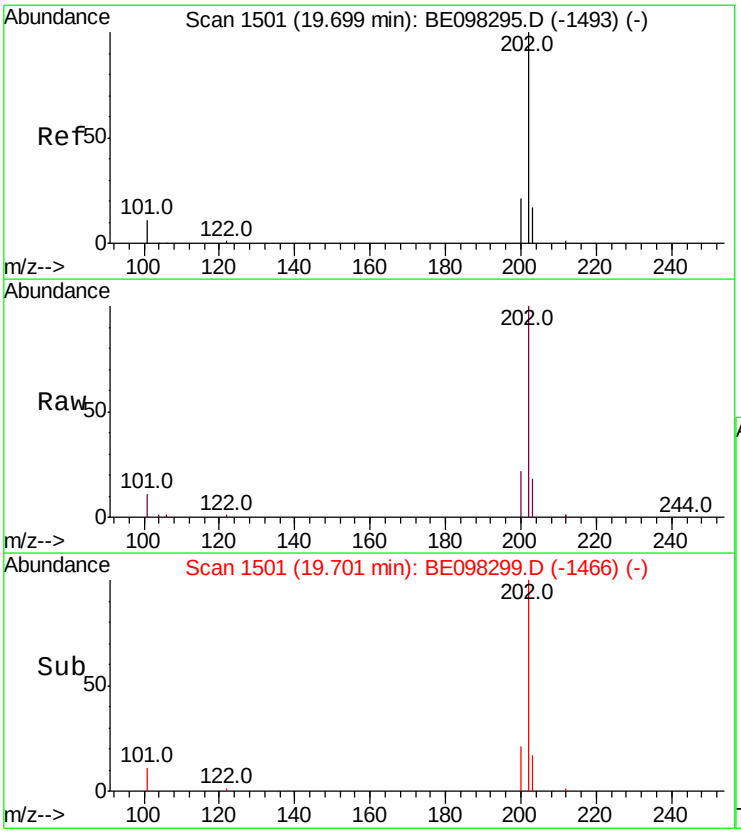
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:240 Resp: 12847

Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	28.1	22.7	34.1

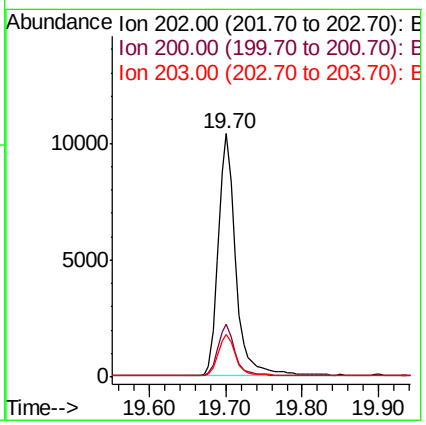


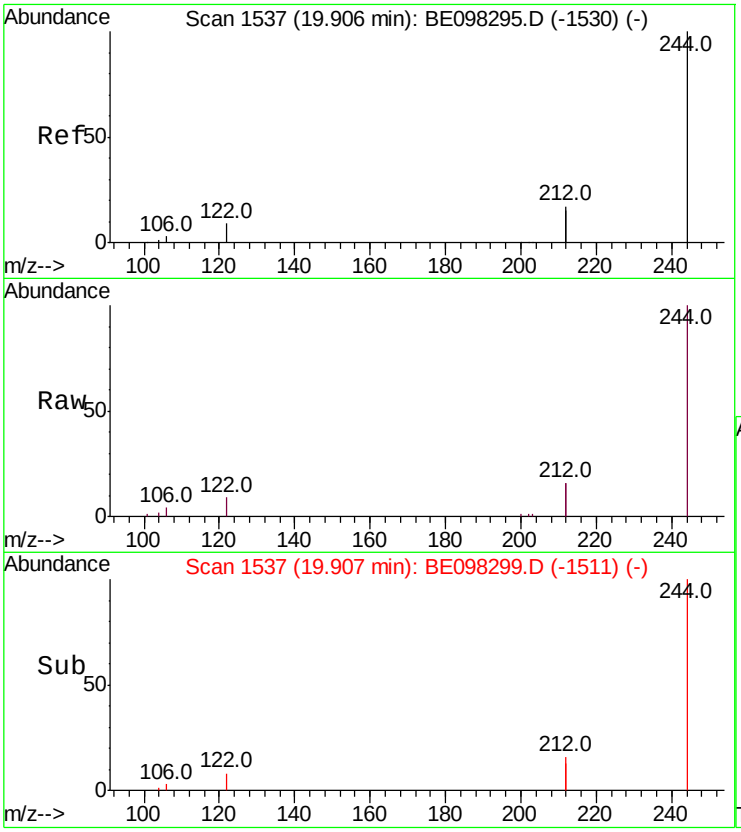


#28
Pyrene
Concen: 0.407 ng
RT: 19.70 min Scan# 1501
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:202 Resp: 16410

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.3	14.1	21.1



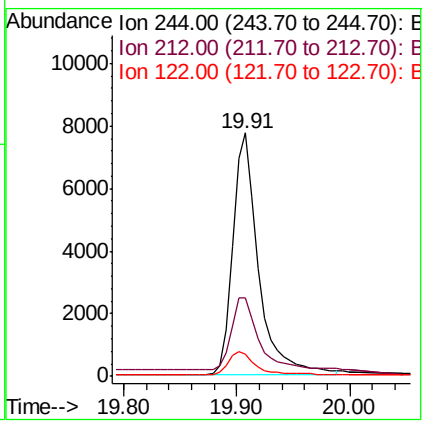


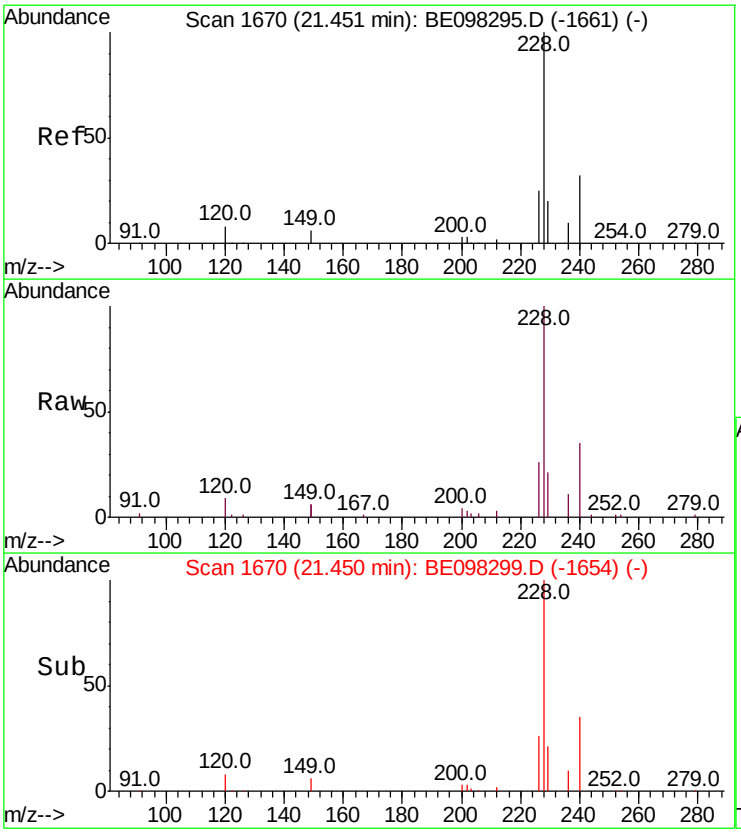
#29
Terphenyl-d14
Concen: 0.396 ng
RT: 19.91 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:244 Resp: 12371

Ion	Ratio	Lower	Upper
244	100		
212	32.2	27.4	41.0
122	9.1	8.3	12.5

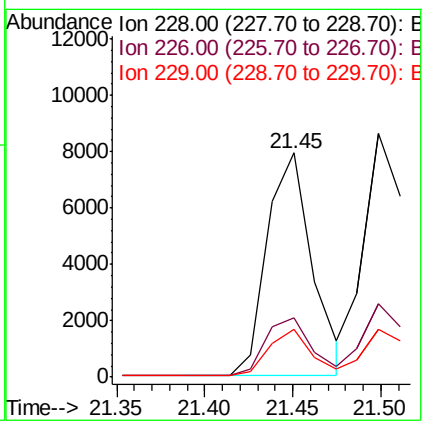


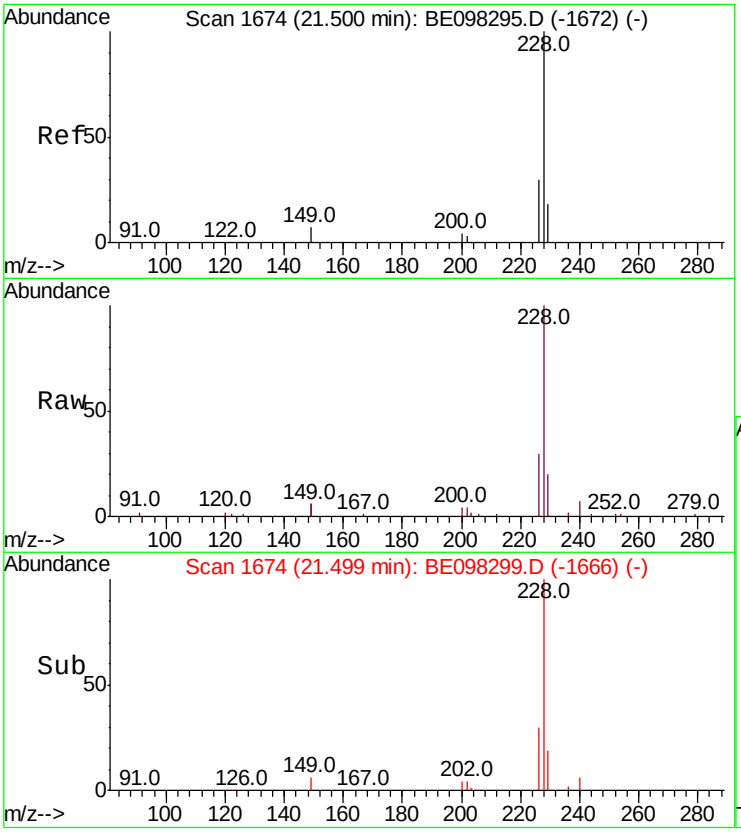


#30
Benzo(a)anthracene
Concen: 0.385 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:228 Resp: 14077

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.8	32.8
229	21.2	16.3	24.5



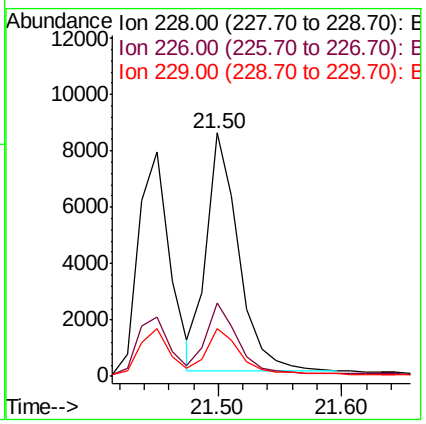


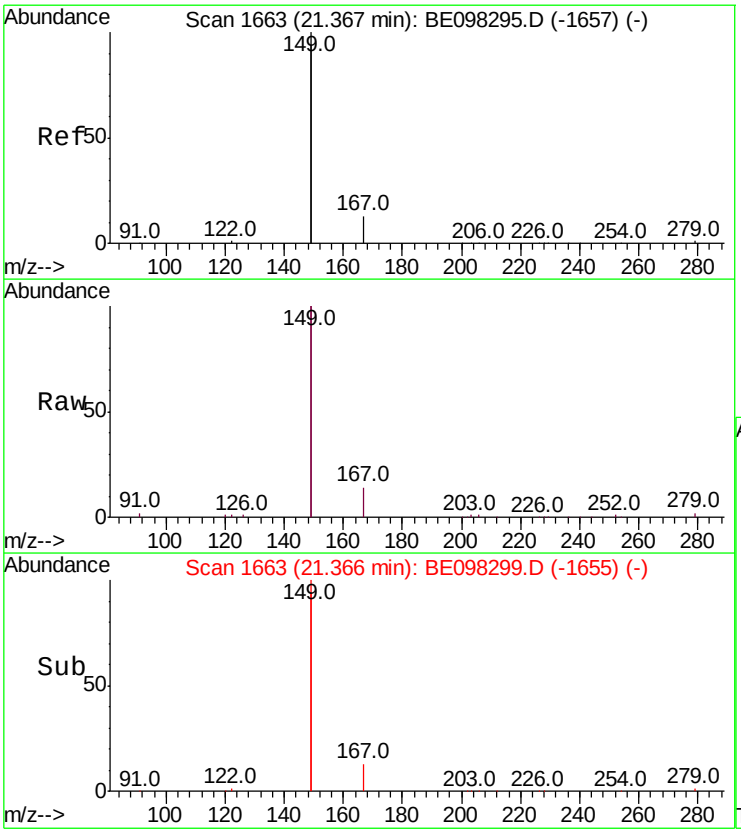
#31
Chrysene
Concen: 0.398 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:228 Resp: 15266

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.0
229	19.6	16.2	24.4

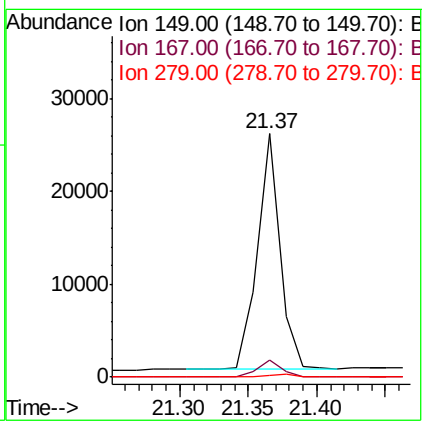


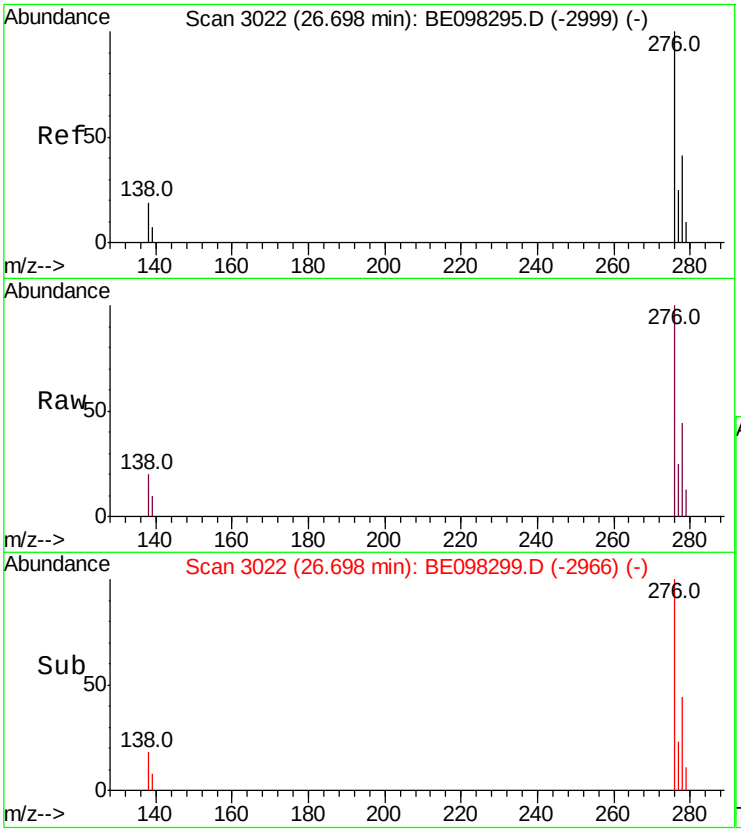


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.393 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:149 Resp: 29233

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



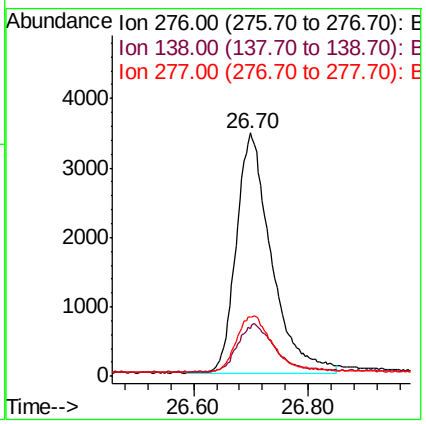


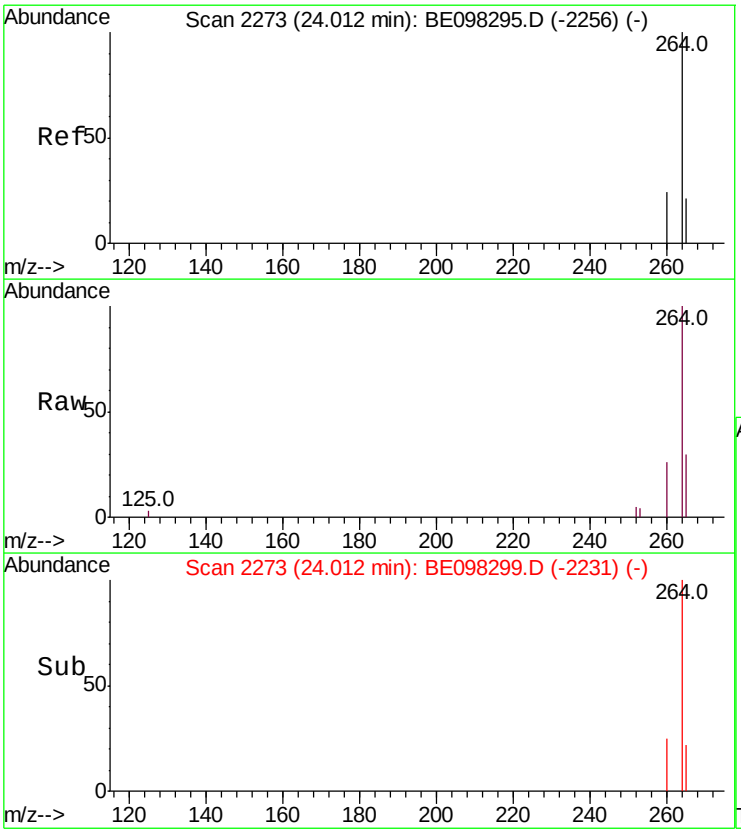
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 26.70 min Scan# 3022
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:276 Resp: 14660

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.3	24.5
277	24.4	20.2	30.4

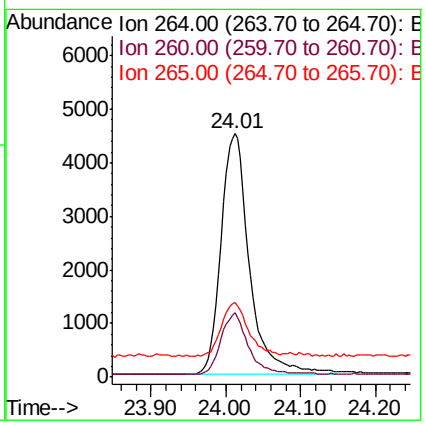


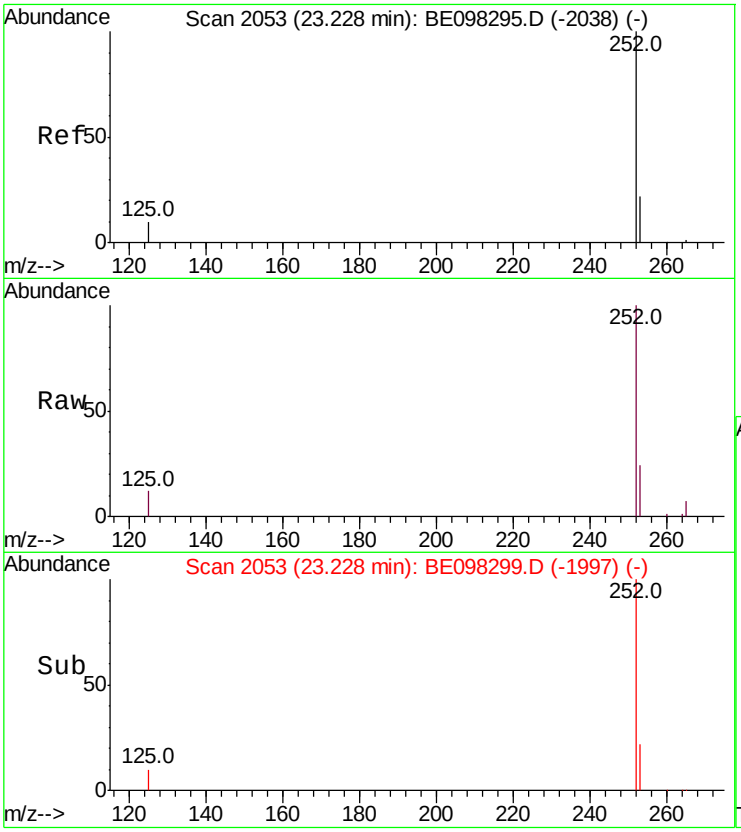


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:264 Resp: 11774

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.2	30.2
265	30.5	25.2	37.8



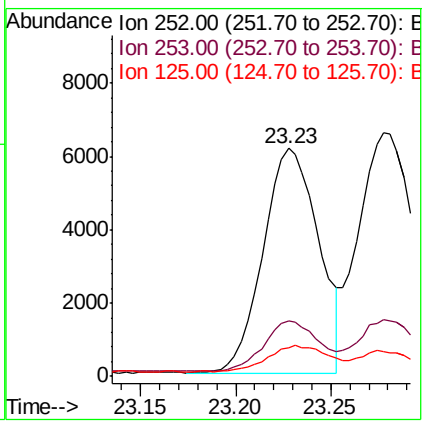


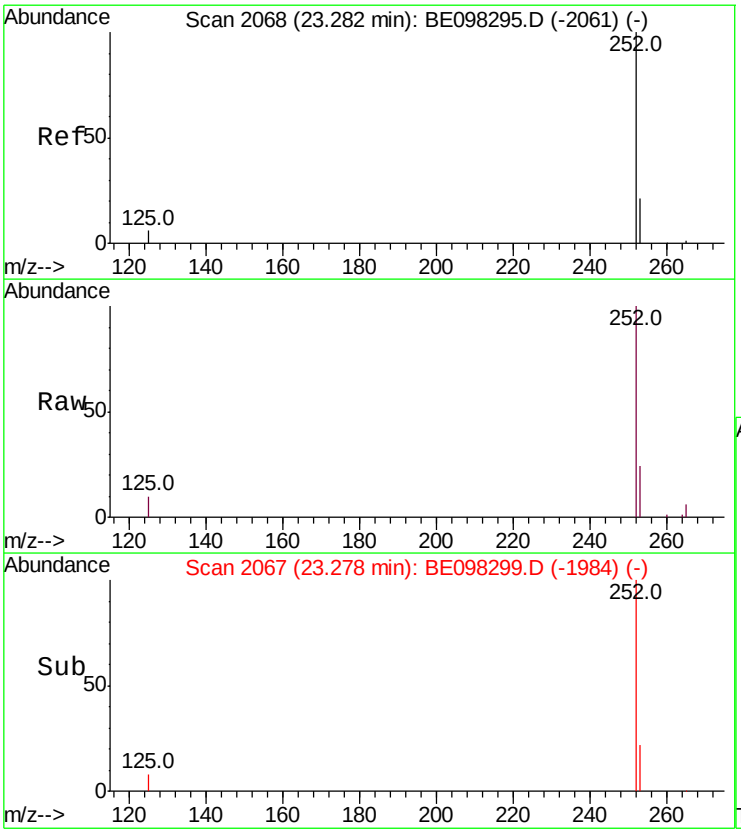
#35
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 23.23 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:252 Resp: 12417

Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.0	30.0
125	12.5	9.6	14.4

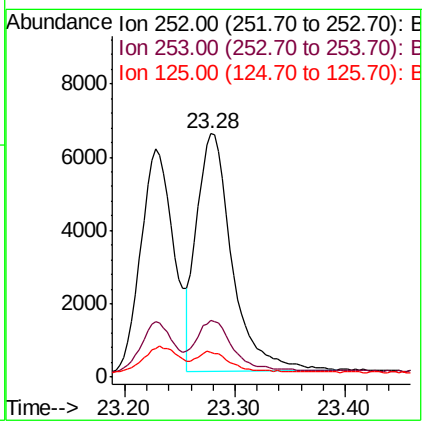


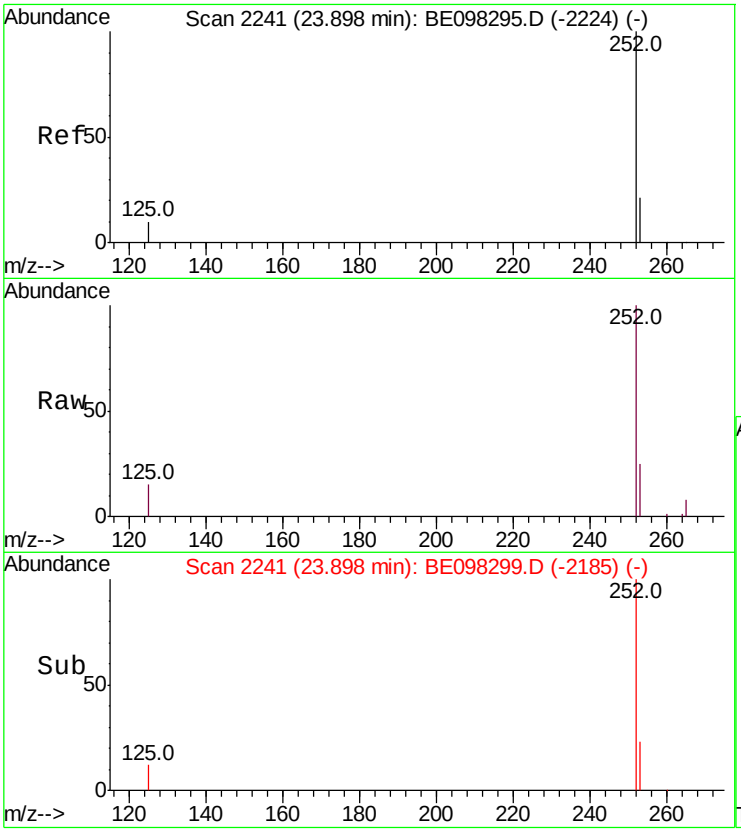


#36
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 23.28 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:252 Resp: 14462

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	10.2	9.1	13.7



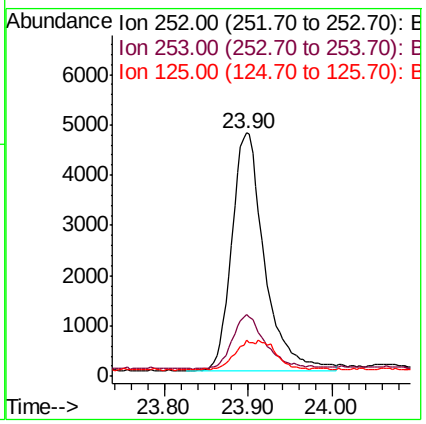


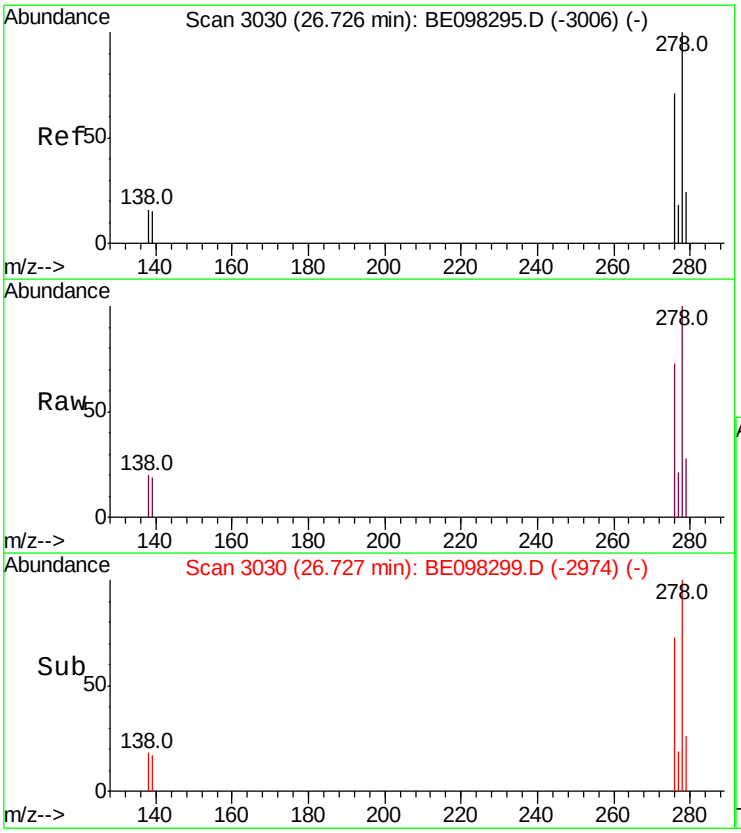
#37
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.90 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:252 Resp: 12809

Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.6	30.8
125	14.9	10.5	15.7

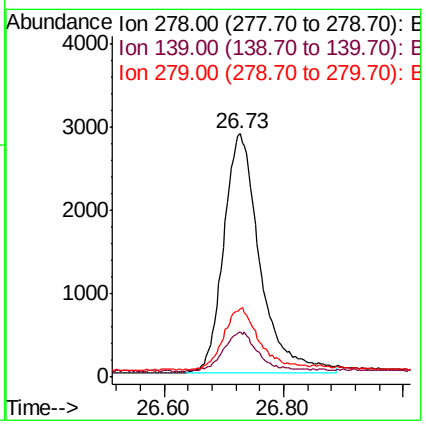


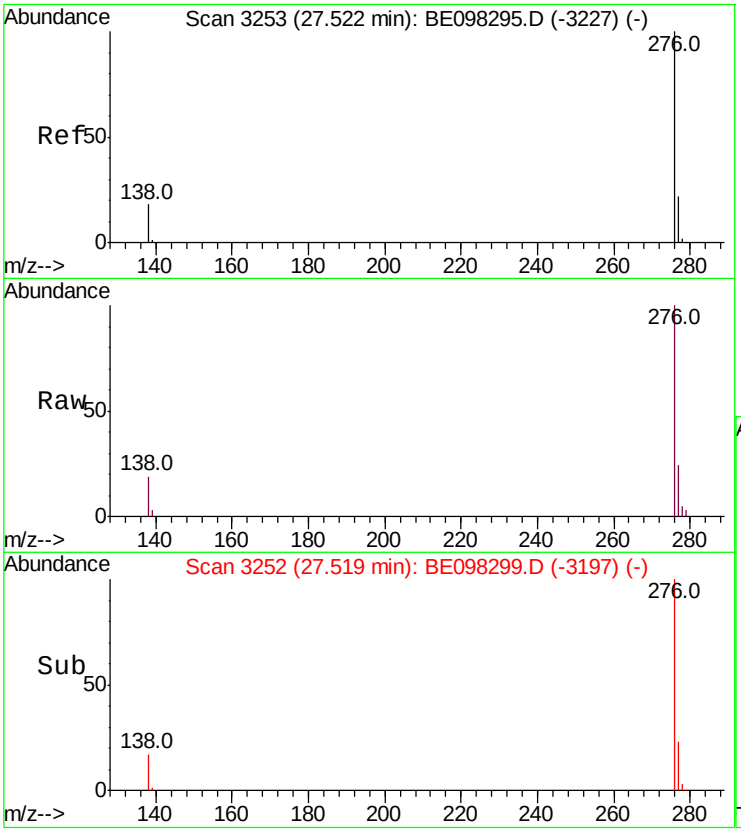


#38
Dibenzo(a,h)anthracene
Concen: 0.384 ng
RT: 26.73 min Scan# 3030
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:278 Resp: 12007

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.5	21.7
279	28.0	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 27.52 min Scan# 3252
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tgt Ion:276 Resp: 12350

Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.8	31.2
138	18.6	15.8	23.6