Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
Data File : BE098324.D
Acq On : 11 Dec 2018 8:04
Operator : SJ/JU
Sample : J6259-08MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Dec 11 10:38:58 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	1155	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	5000	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	3138	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	8577	0.40	ng		-0.01
27) Chrysene-d12	21.46	240	11110	0.40	ng		0.00
34) Perylene-d12	24.01	264	10488	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	480	0.18	ng		0.01
5) Phenol-d6	7.05	99	419	0.11	ng		0.00
8) Nitrobenzene-d5	9.03	82	1930	0.42	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	4424	0.54	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	574	0.50	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	6506	0.49	ng		0.00
25) Fluoranthene-d10	19.31	212	51812	0.47	ng		0.00
29) Terphenyl-d14	19.90	244	12956	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	1371	0.686	ng		95
3) n-Nitrosodimethylamine	3.68	42	348	0.194	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	1292	0.355	ng		91
9) Naphthalene	10.70	128	21679	0.431	ng		99
10) Hexachlorobutadiene	10.99	225	1207	0.377	ng		95
12) 2-Methylnaphthalene	12.34	142	3667	0.449	ng		98
16) Acenaphthylene	14.24	152	6503	0.442	ng		99
17) Acenaphthene	14.59	154	3675	0.416	ng		99
18) Fluorene	15.57	166	5119	0.433	ng		98
20) 4-Bromophenyl-phenylether	16.46	248	1838	0.398	ng		87
21) Hexachlorobenzene	16.58	284	1952	0.393	ng		100
22) Pentachlorophenol	16.94	266	740	0.812	ng		92
23) Phenanthrene	17.31	178	9495	0.456	ng		98
24) Anthracene	17.41	178	8355	0.450	ng		99
26) Fluoranthene	19.34	202	13360	0.484	ng		100
28) Pyrene	19.70	202	13883	0.398	ng		99
30) Benzo(a)anthracene	21.44	228	14637	0.463	ng		98
31) Chrysene	21.50	228	14284	0.431	ng		99
32) Bis(2-ethylhexyl)phthalate	21.37	149	46457	0.723	ng		99
33) Indeno(1,2,3-cd)pyrene	26.70	276	15074	0.457	ng		99
35) Benzo(b)fluoranthene	23.22	252	13086	0.456	ng		97
36) Benzo(k)fluoranthene	23.28	252	14964	0.448	ng		99
37) Benzo(a)pyrene	23.89	252	13578	0.459	ng		99
38) Dibenzo(a,h)anthracene	26.72	278	12532	0.450	ng		98
39) Benzo(g,h,i)perylene	27.52	276	12658	0.451	ng		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
Data File : BE098324.D
Acq On : 11 Dec 2018 8:04
Operator : SJ/JU
Sample : J6259-08MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 11 10:38:58 2018
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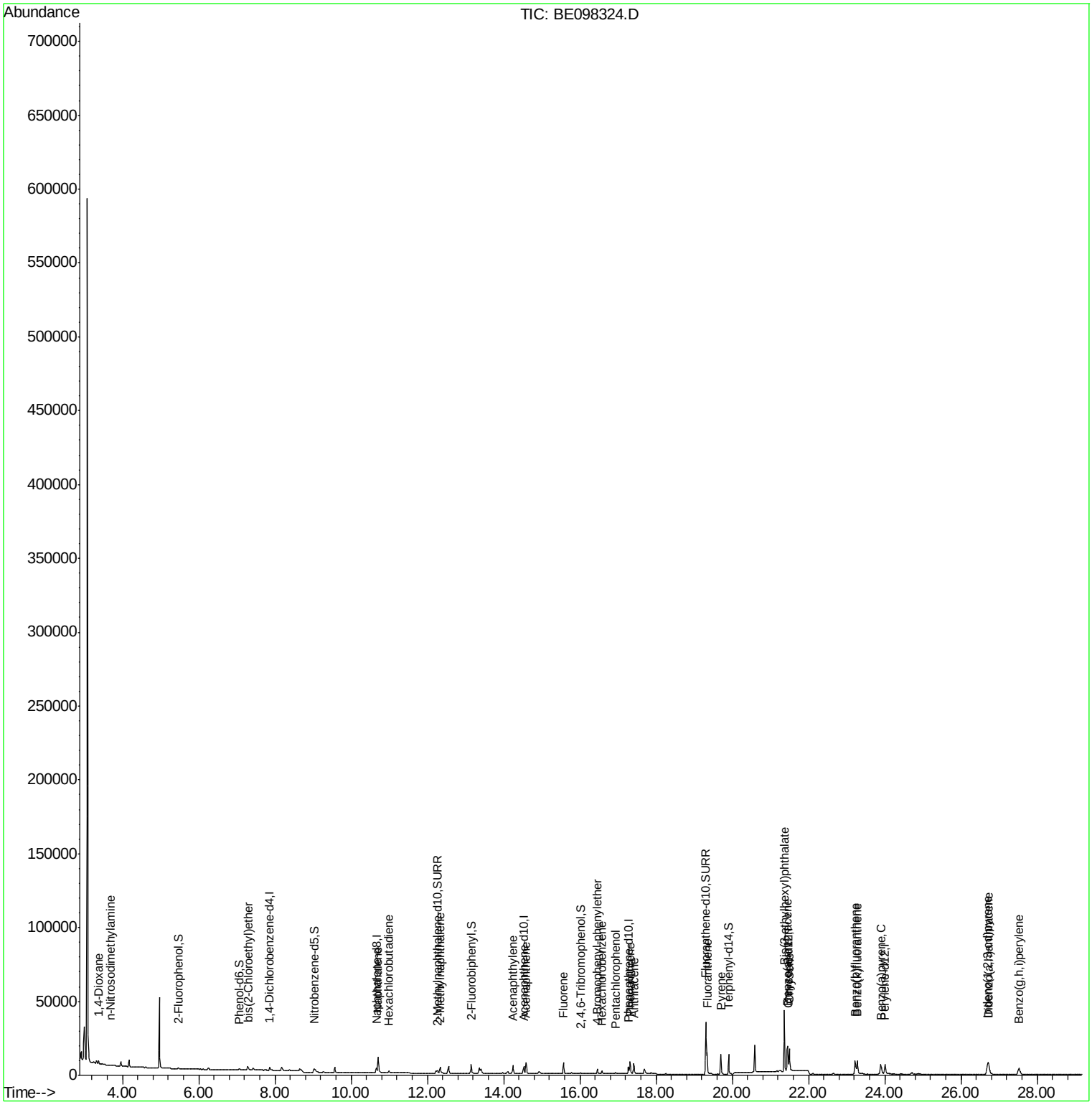
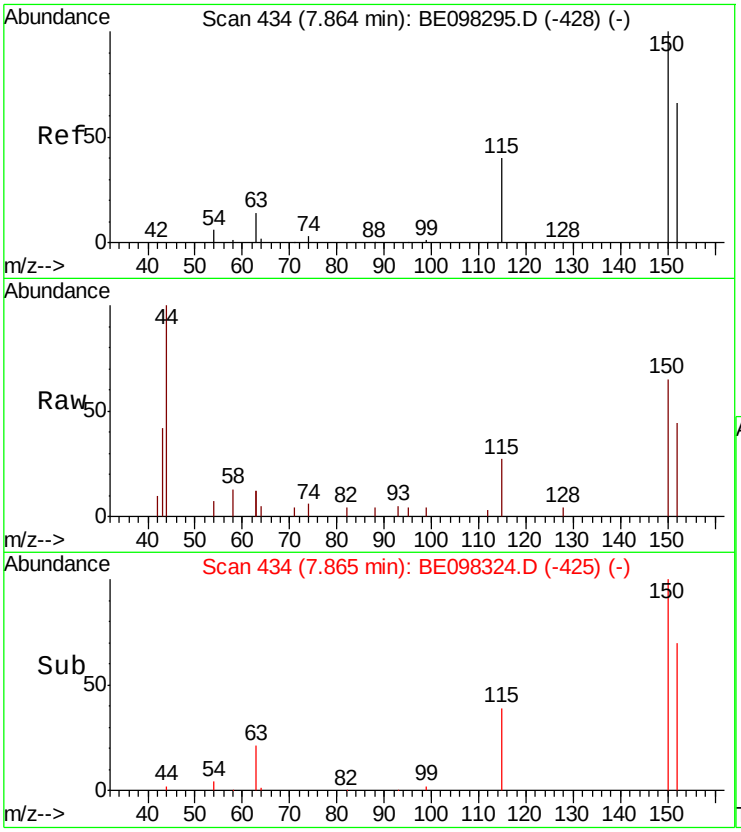
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



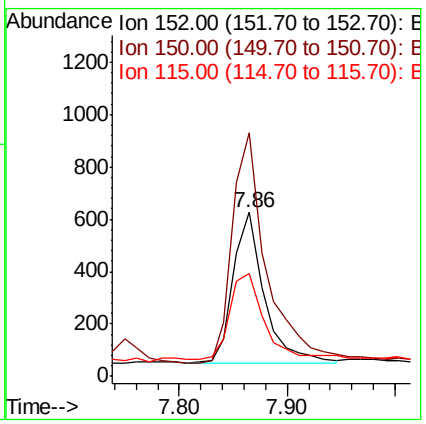


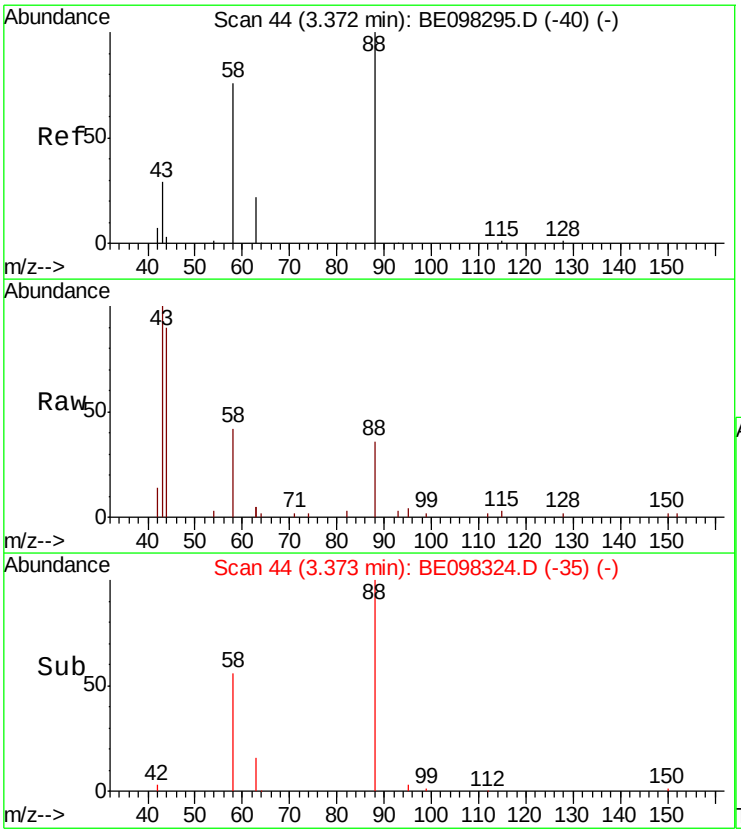
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1155

Ion	Ratio	Lower	Upper
152	100		
150	148.3	124.2	186.4
115	62.4	53.9	80.9

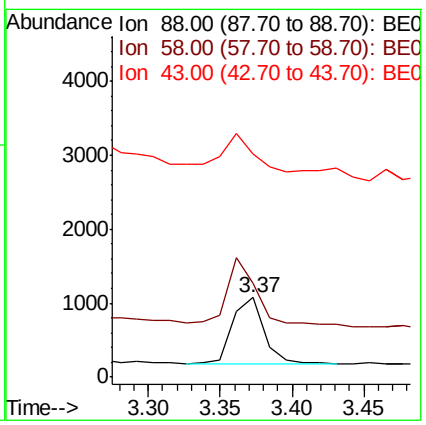


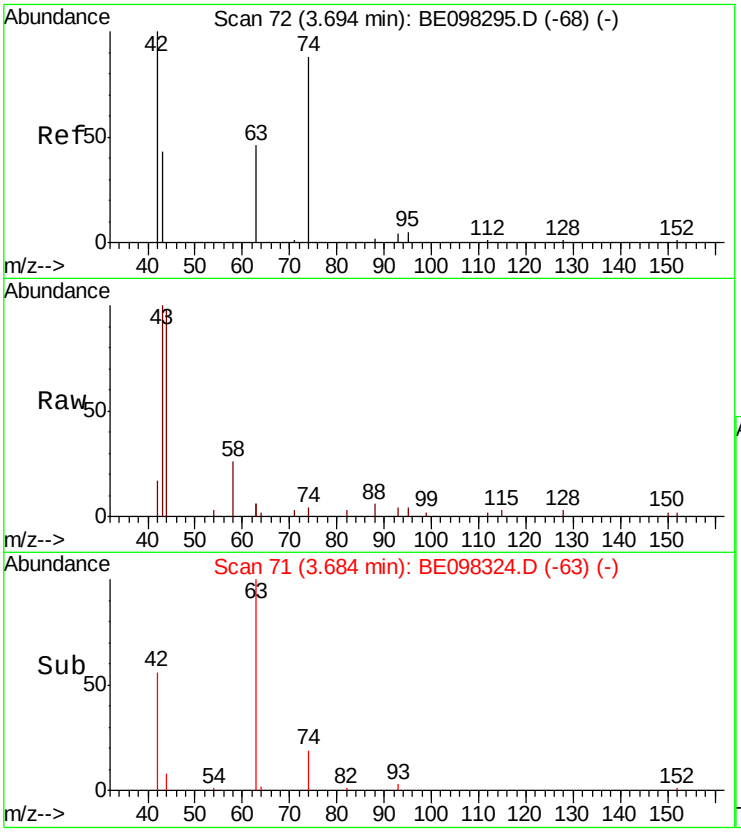


#2
1,4-Dioxane
Concen: 0.686 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 88 Resp: 1371

Ion	Ratio	Lower	Upper
88	100		
58	88.0	75.0	112.6
43	50.5	38.3	57.5



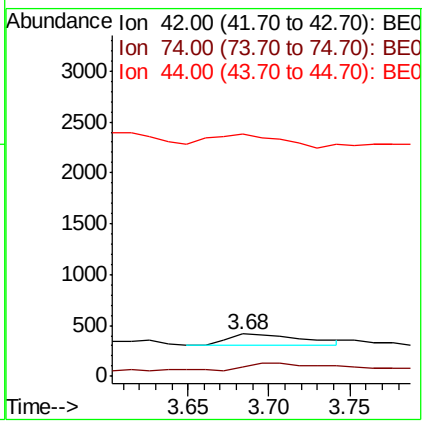


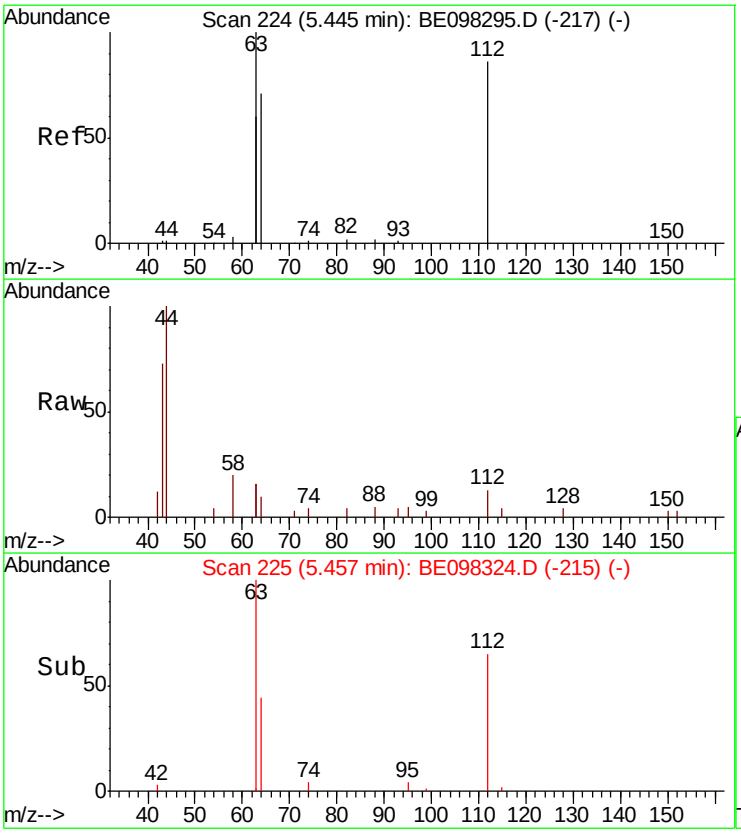
#3
n-Nitrosodimethylamine
Concen: 0.194 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 348

Ion	Ratio	Lower	Upper
42	100		
74	71.6	0.0	0.0#
44	111.5	0.0	0.0#

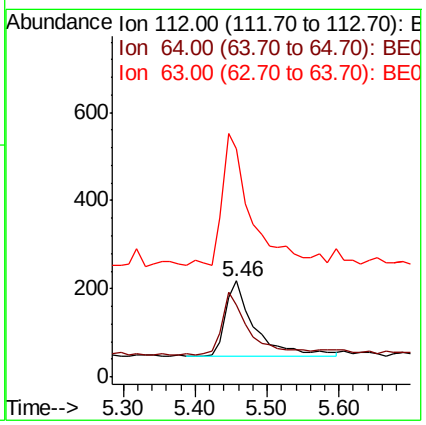


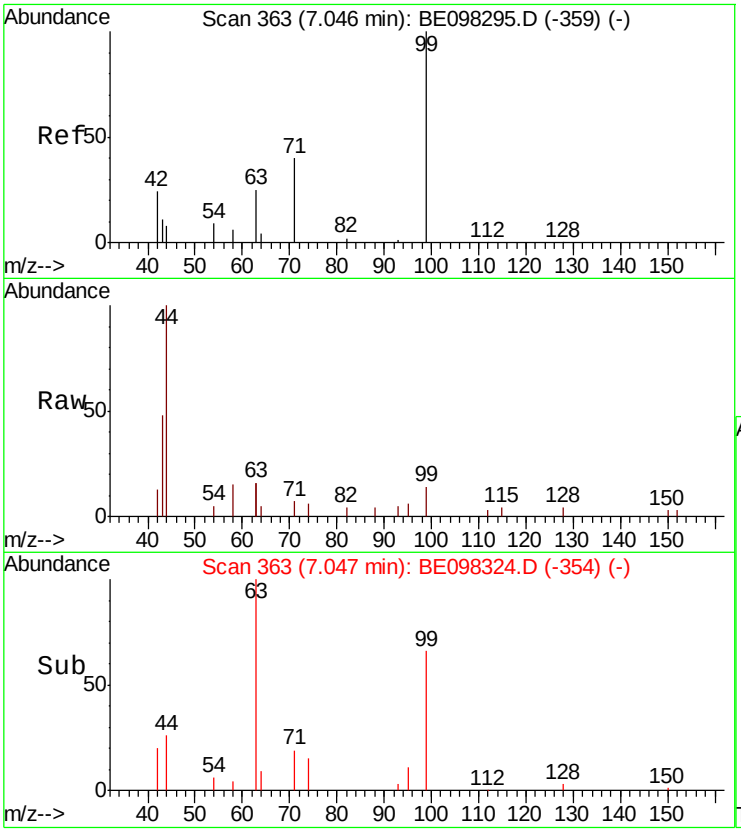


#4
2-Fluorophenol
Concen: 0.178 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:112 Resp: 480

Ion	Ratio	Lower	Upper
112	100		
64	79.0	59.8	89.8
63	172.5	133.7	200.5



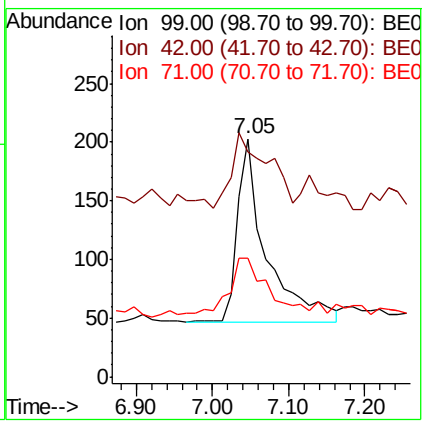


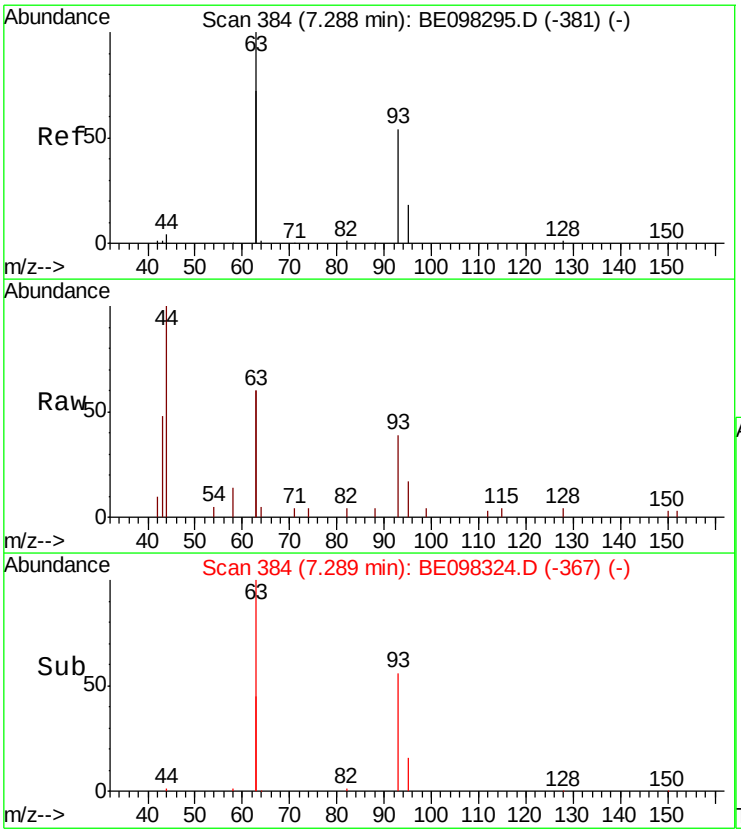
#5
Phenol-d6
Concen: 0.109 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 419

Ion	Ratio	Lower	Upper
99	100		
42	49.9	26.3	39.5#
71	37.9	33.6	50.4

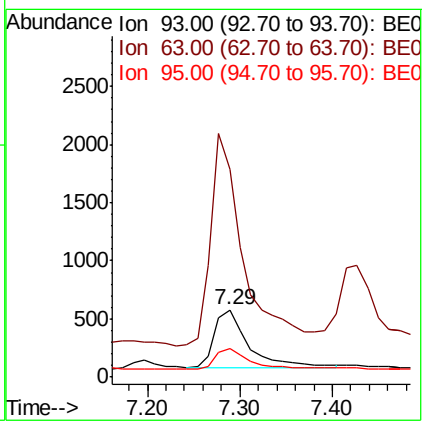


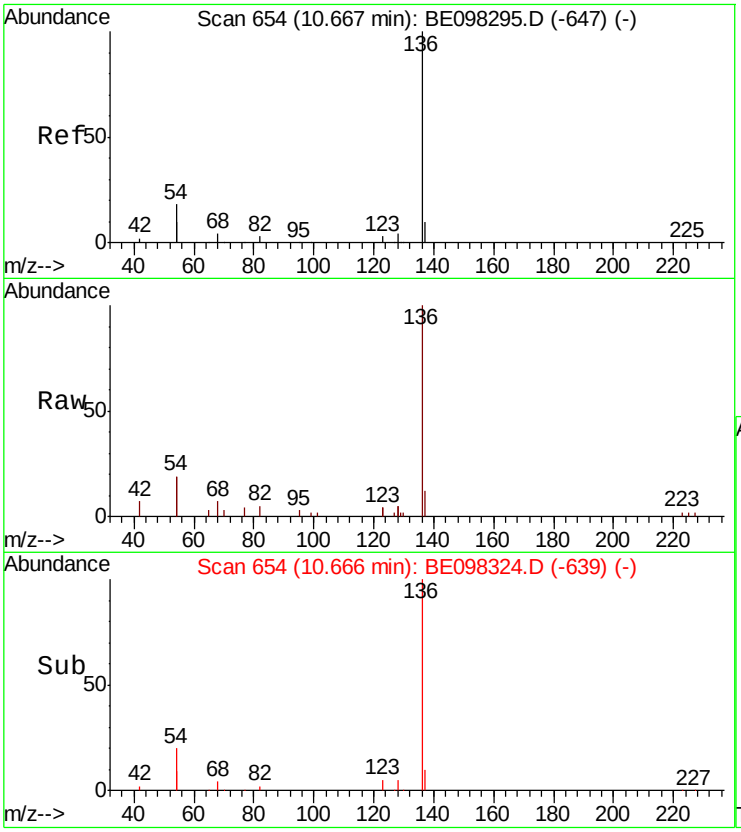


#6
bis(2-Chloroethyl)ether
Concen: 0.355 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 93 Resp: 1292

Ion	Ratio	Lower	Upper
93	100		
63	351.0	264.4	396.6
95	35.9	26.6	40.0



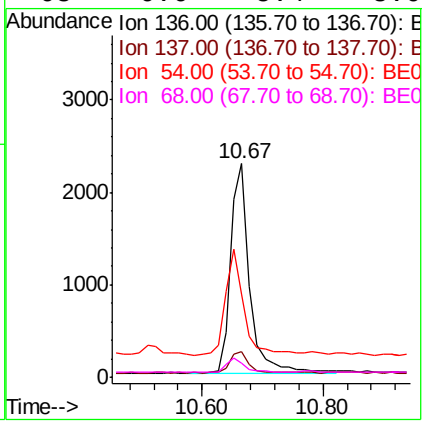


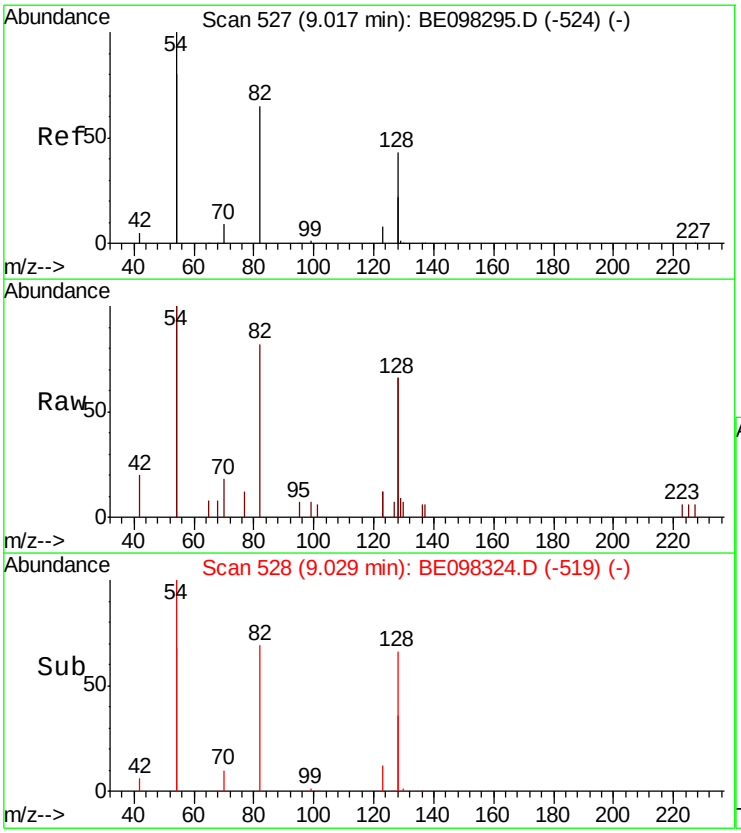
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 5000

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	38.8	28.4	42.6
68	6.6	5.4	8.0

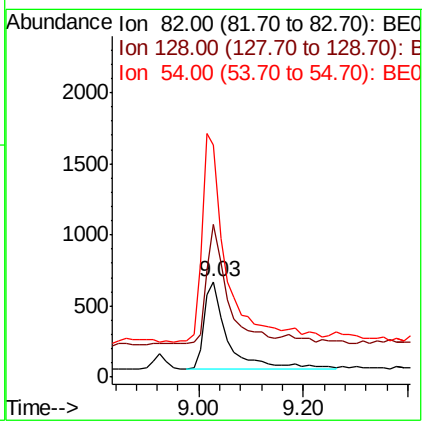


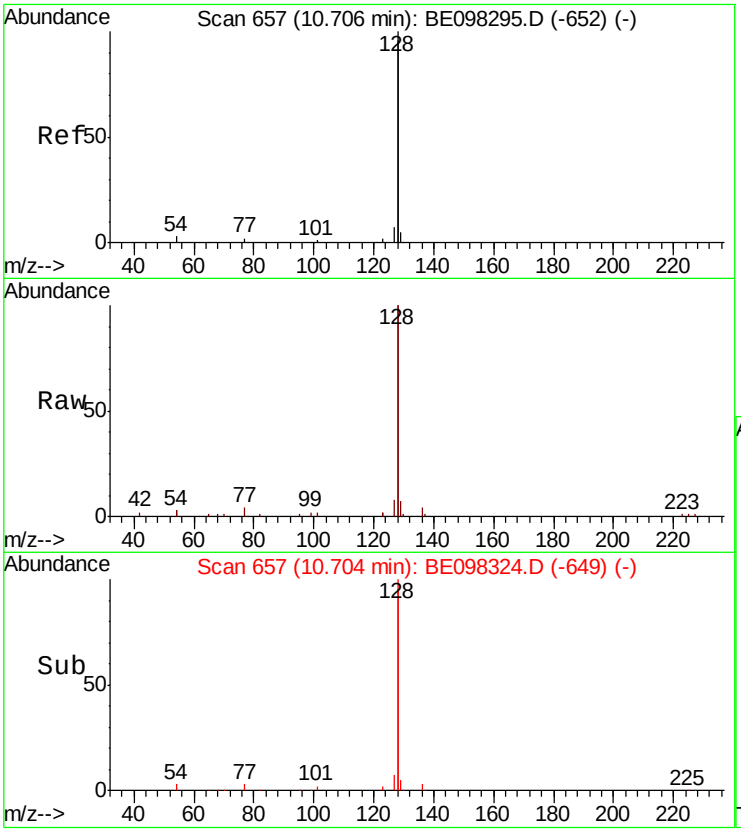


#8
Nitrobenzene-d5
Concen: 0.424 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 82 Resp: 1930

Ion	Ratio	Lower	Upper
82	100		
128	159.7	102.4	153.6#
54	243.3	221.8	332.8



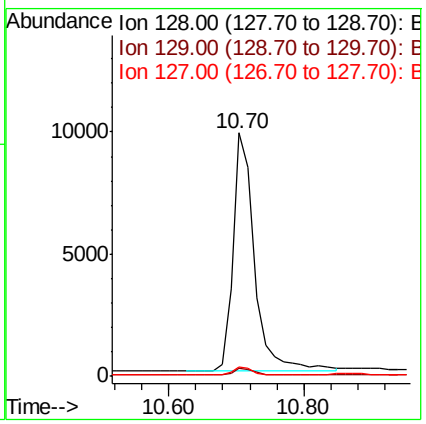


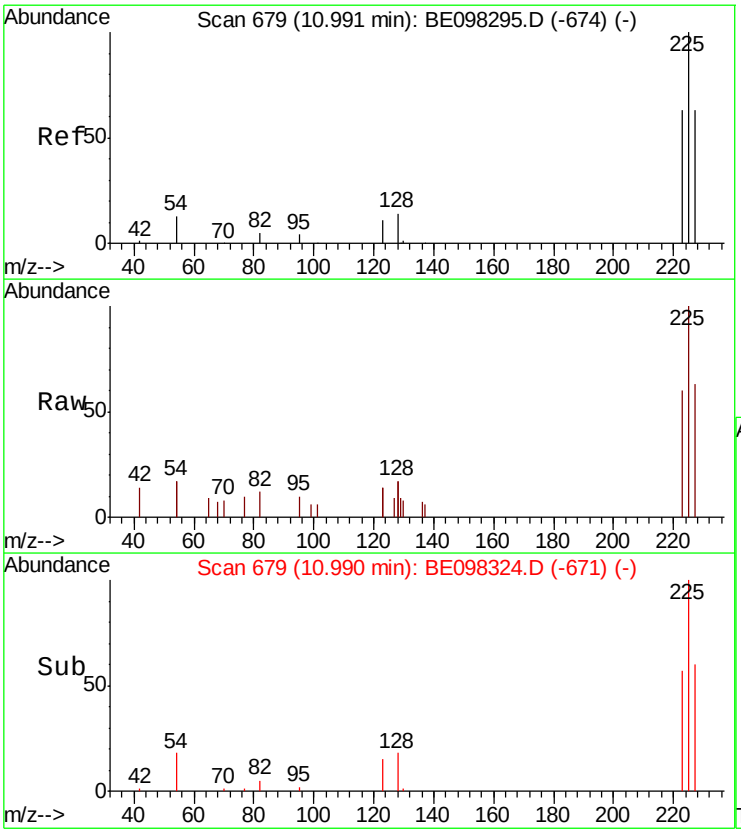
#9
Naphthalene
Concen: 0.431 ng
RT: 10.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 21679

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.5	3.7
127	3.8	2.7	4.1

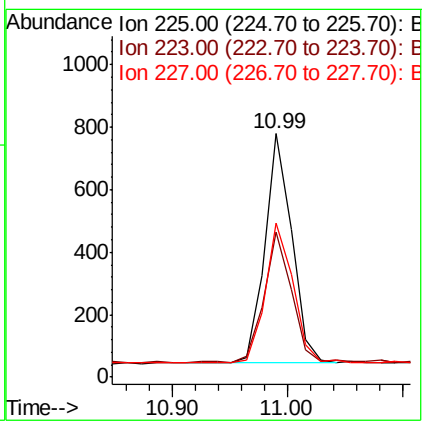


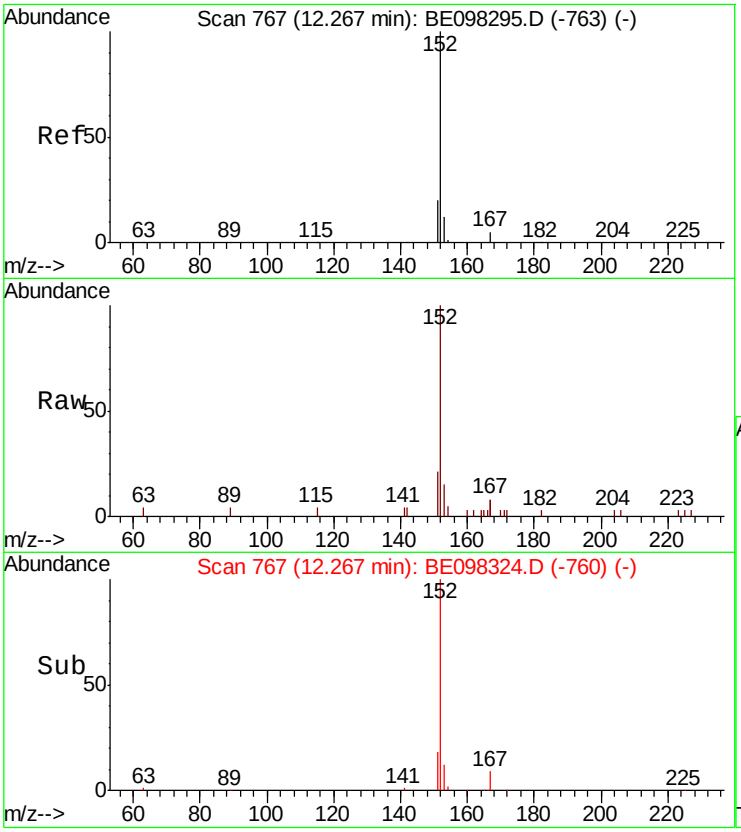


#10
Hexachlorobutadiene
Concen: 0.377 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:225 Resp: 1207

Ion	Ratio	Lower	Upper
225	100		
223	57.5	49.4	74.0
227	61.6	52.0	78.0



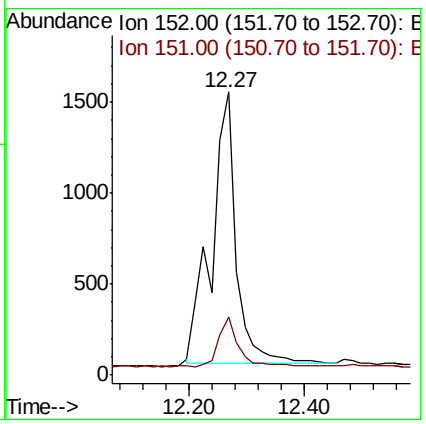


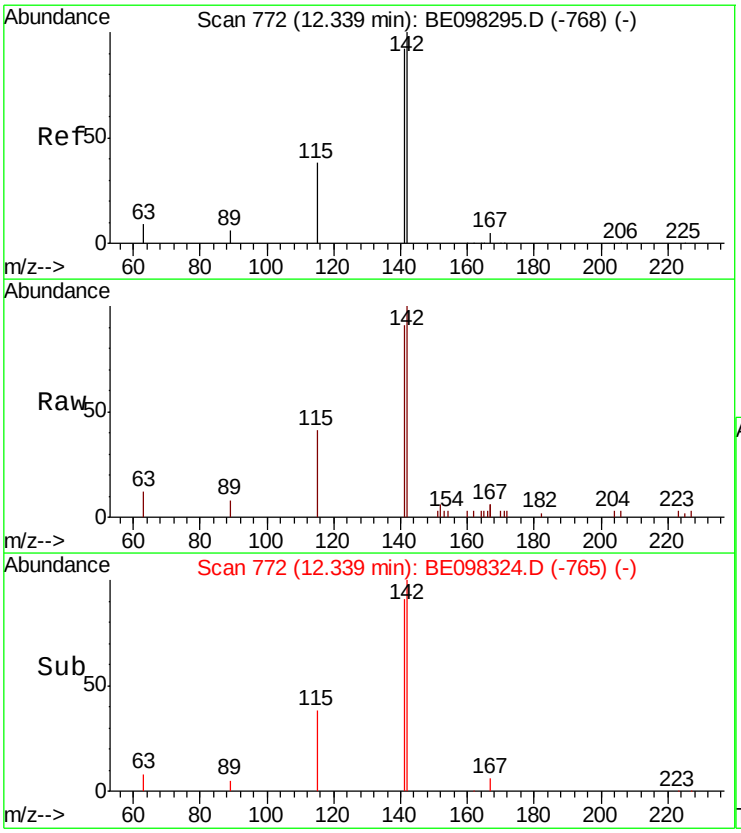
#11
2-Methylnaphthalene-d10
Concen: 0.544 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 4424

Ion	Ratio	Lower	Upper
152	100		
151	14.4	16.2	24.4#

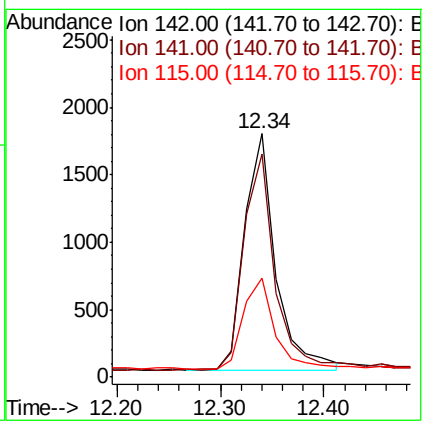


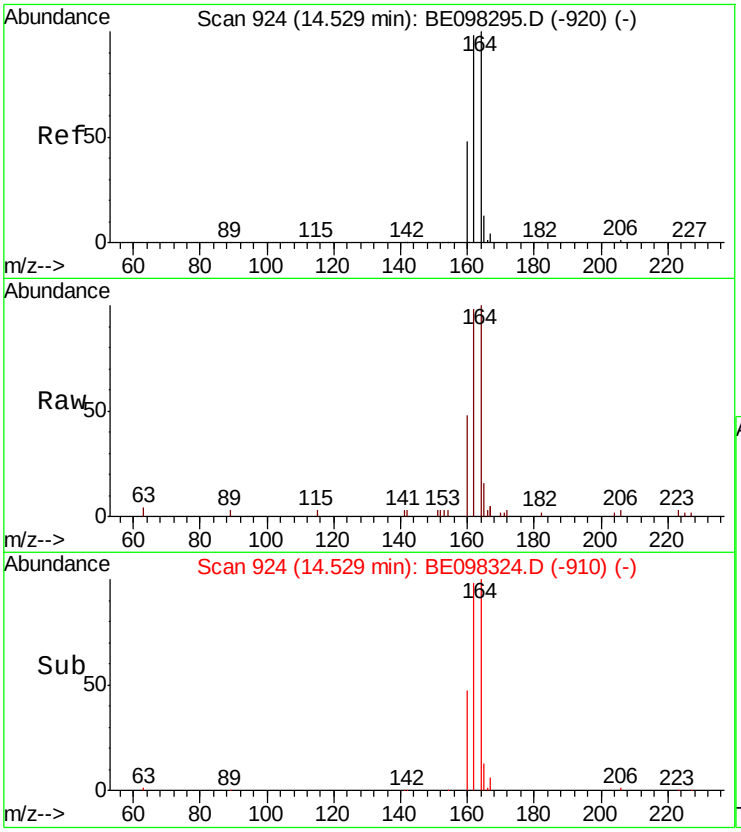


#12
2-Methylnaphthalene
Concen: 0.449 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:142 Resp: 3667

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.0	106.6
115	40.7	32.2	48.2



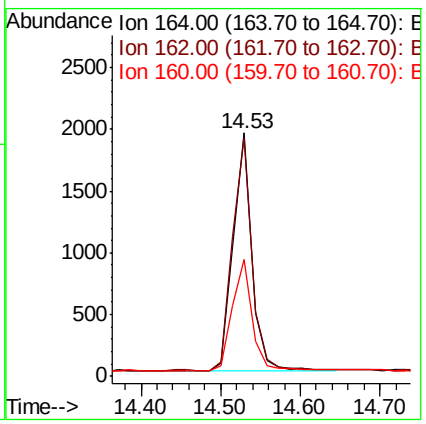


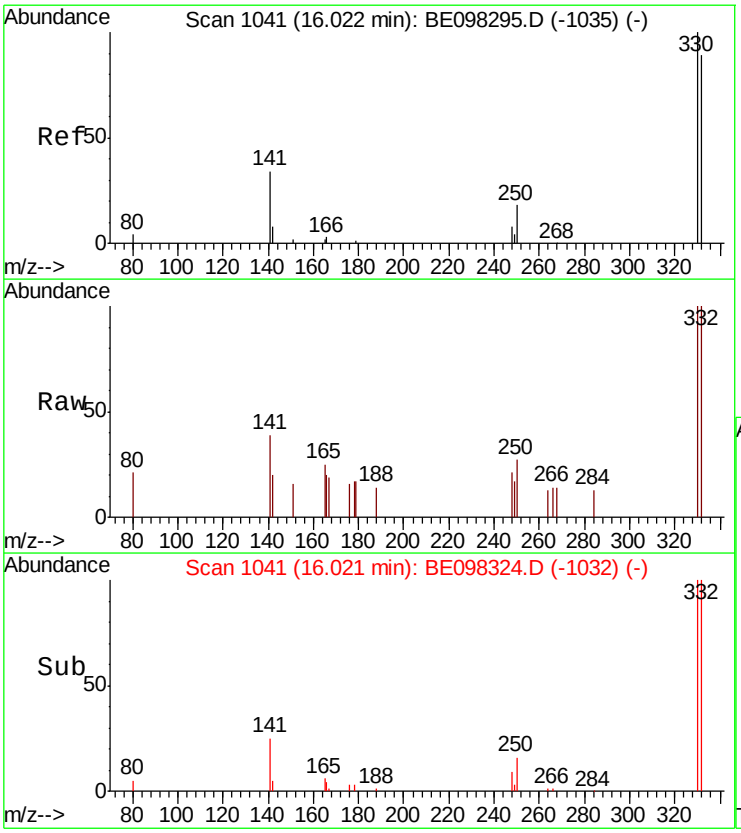
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 3138

Ion	Ratio	Lower	Upper
164	100		
162	97.9	77.6	116.4
160	47.8	36.0	54.0

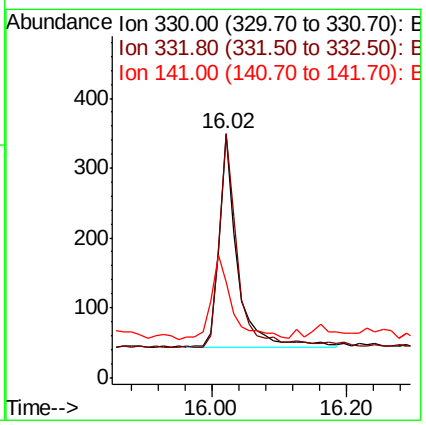


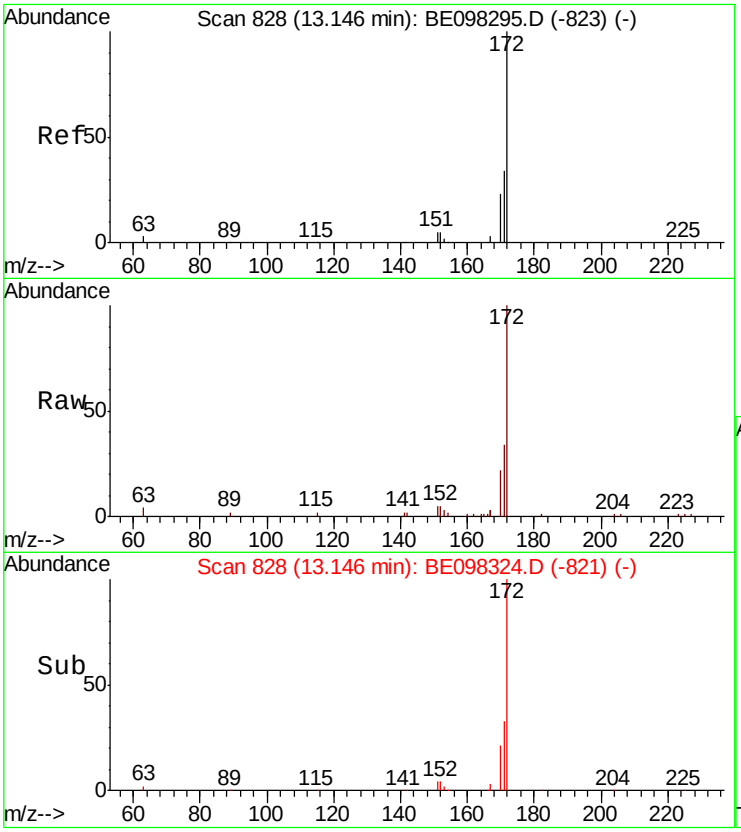


#14
2,4,6-Tribromophenol
Concen: 0.498 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:330 Resp: 574

Ion	Ratio	Lower	Upper
330	100		
332	101.7	76.2	114.4
141	45.6	39.0	58.4



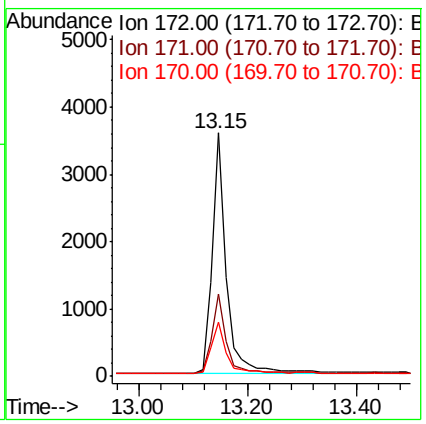


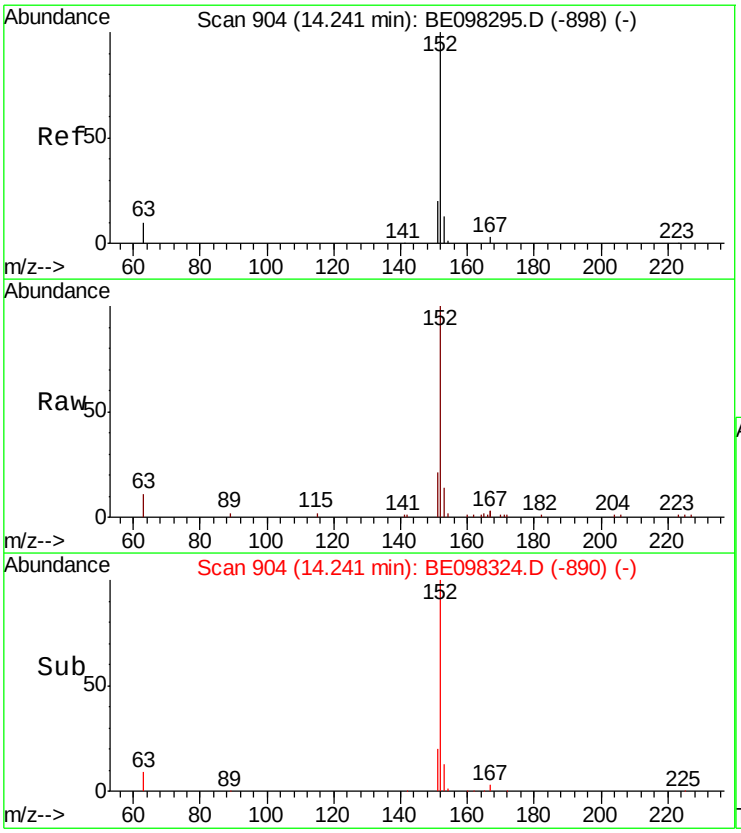
#15
2-Fluorobiphenyl
Concen: 0.492 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 6506

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.5	41.3
170	22.2	19.6	29.4

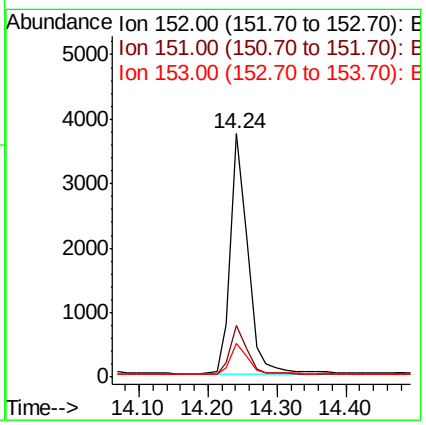


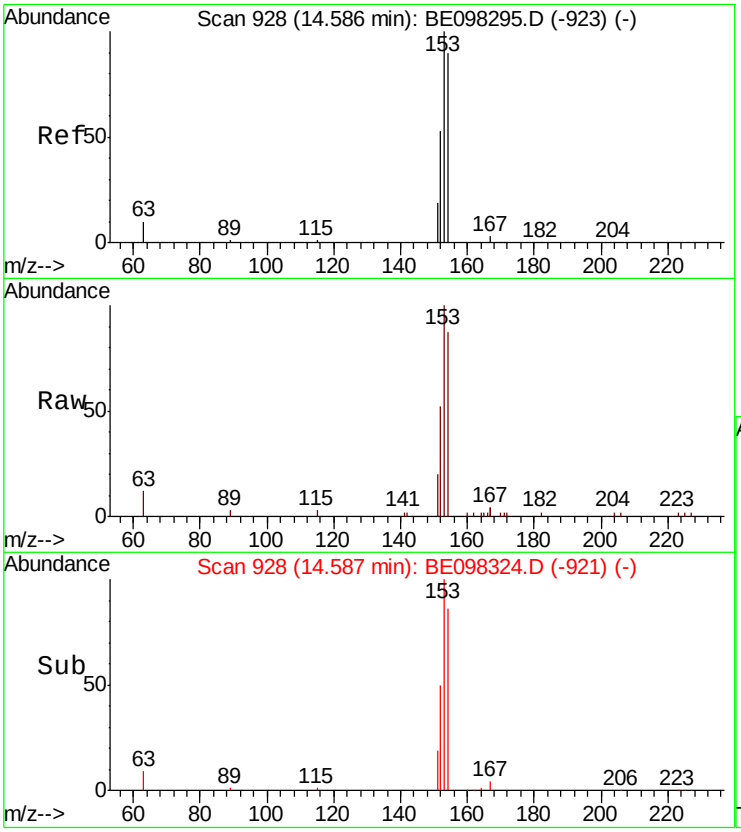


#16
Acenaphthylene
Concen: 0.442 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:152 Resp: 6503

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	12.7	10.6	16.0



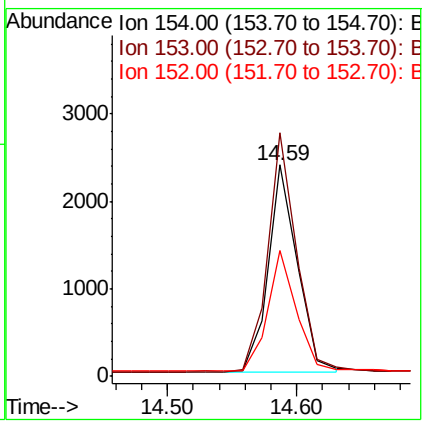


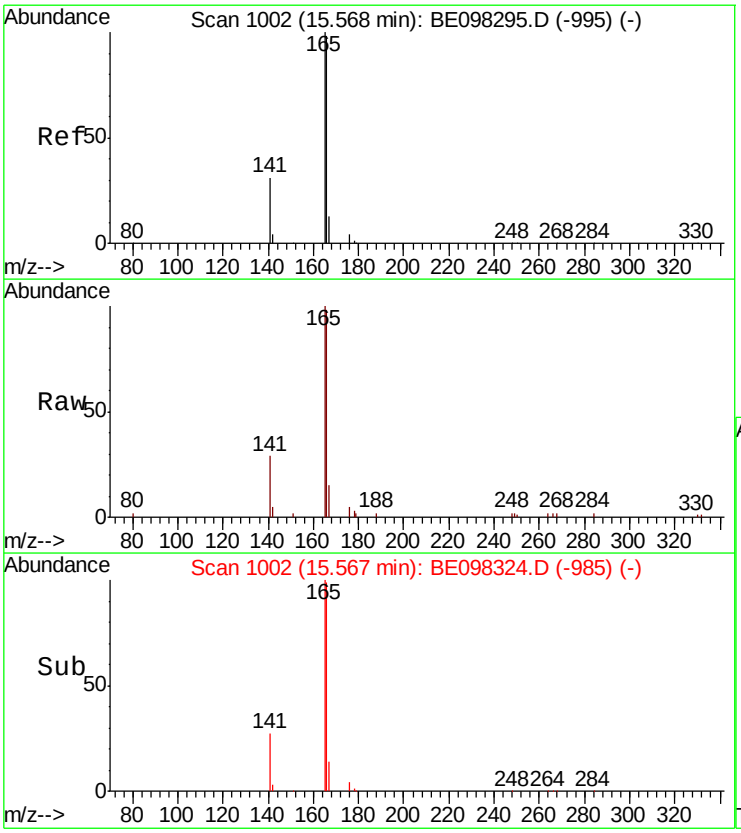
#17
Acenaphthene
Concen: 0.416 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 3675

Ion	Ratio	Lower	Upper
154	100		
153	114.8	91.8	137.6
152	58.3	45.5	68.3

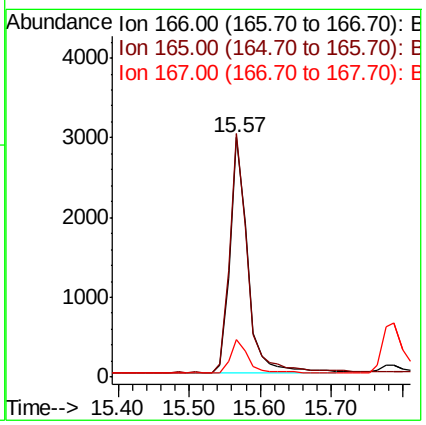


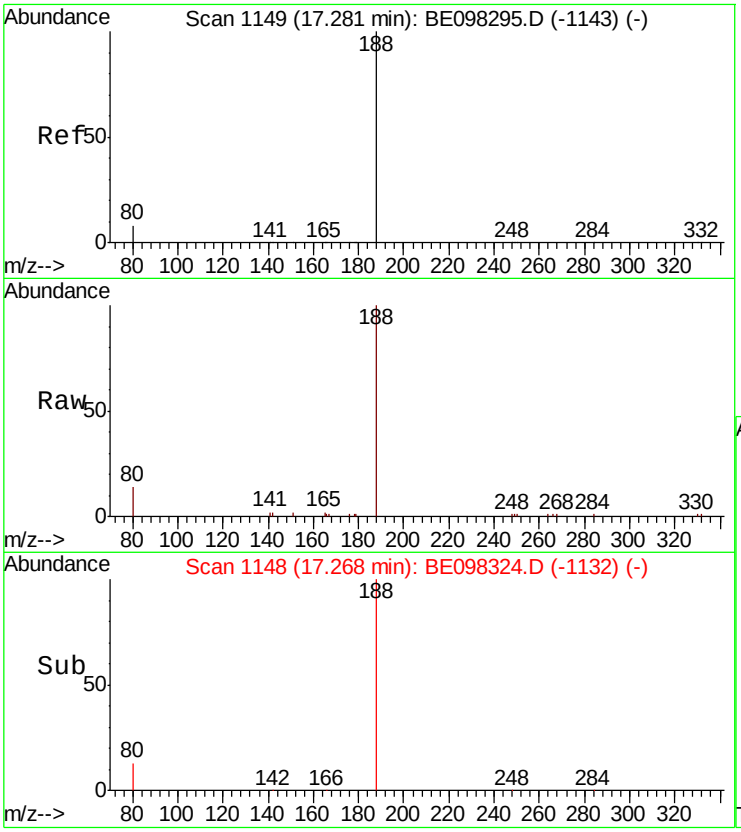


#18
Fluorene
Concen: 0.433 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:166 Resp: 5119

Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.3	118.9
167	13.8	11.3	16.9



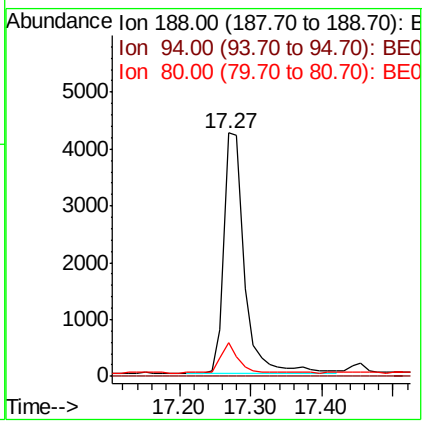


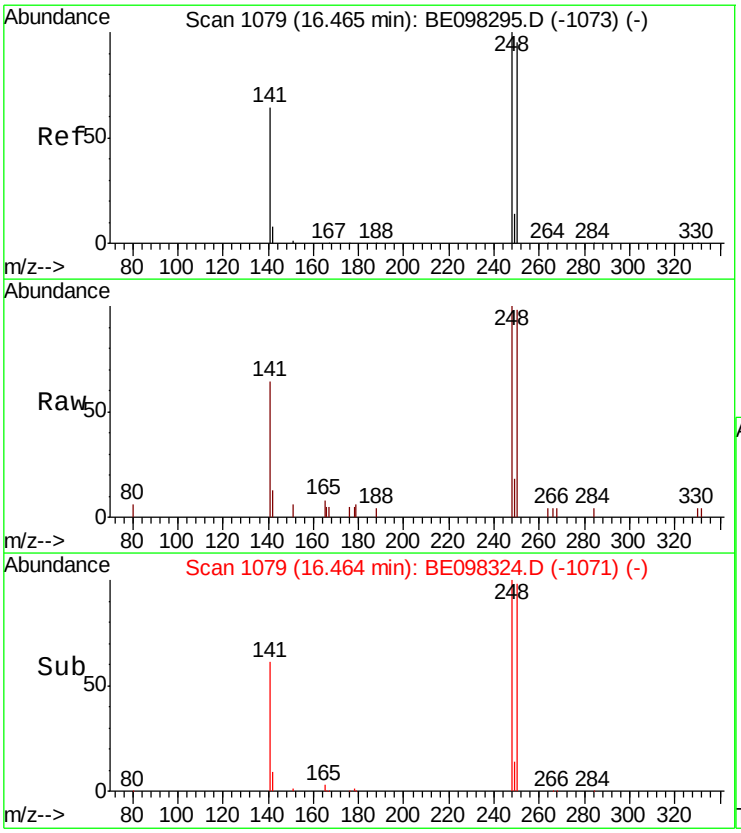
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 8577

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	7.2	10.8#

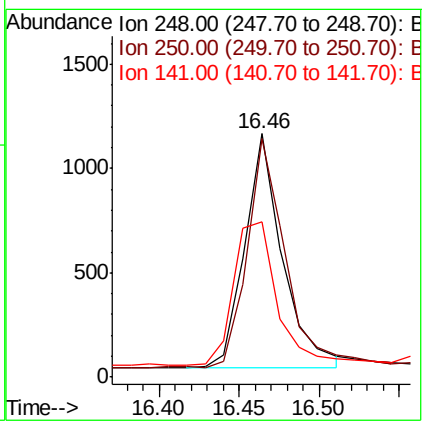


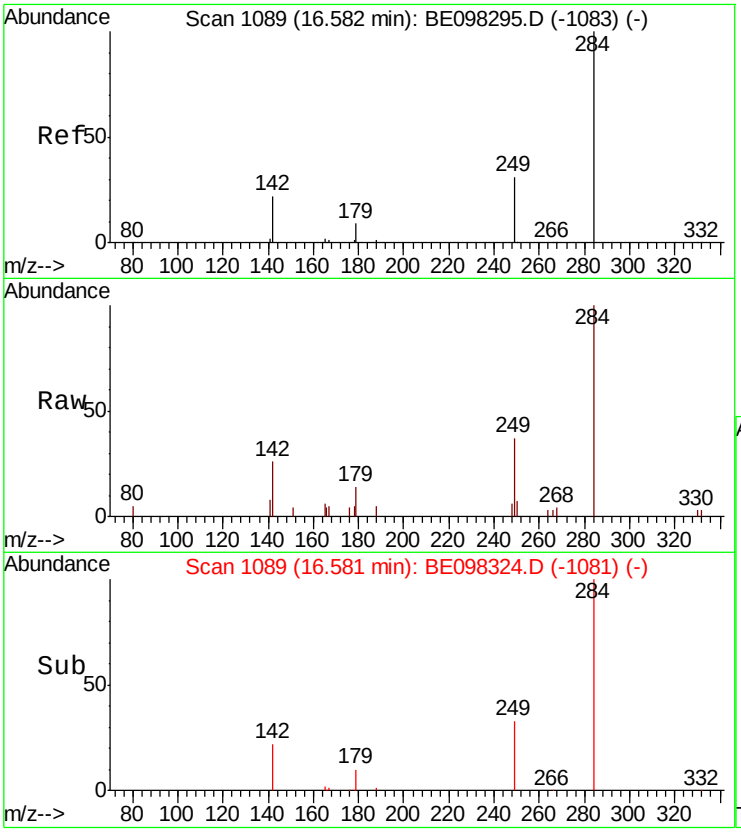


#20
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:248 Resp: 1838

Ion	Ratio	Lower	Upper
248	100		
250	98.1	71.0	106.6
141	64.0	62.1	93.1



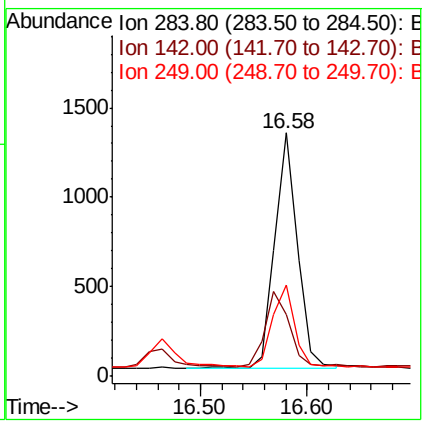


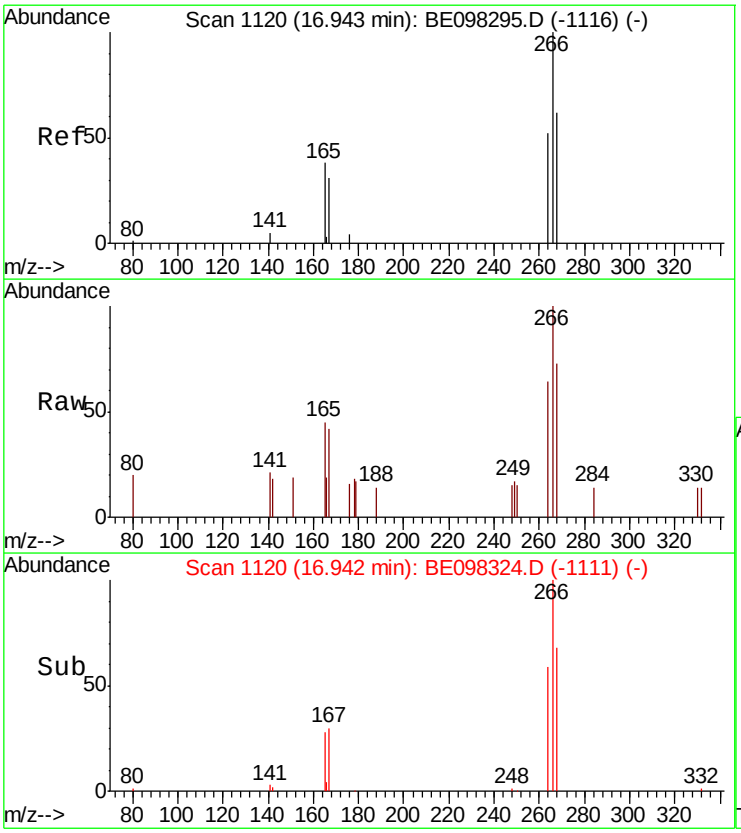
#21
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1952

Ion	Ratio	Lower	Upper
284	100		
142	33.3	26.3	39.5
249	32.5	26.0	39.0

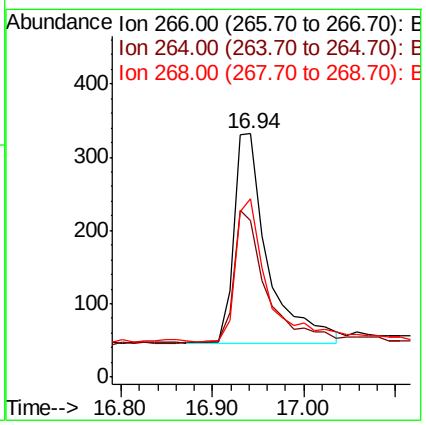


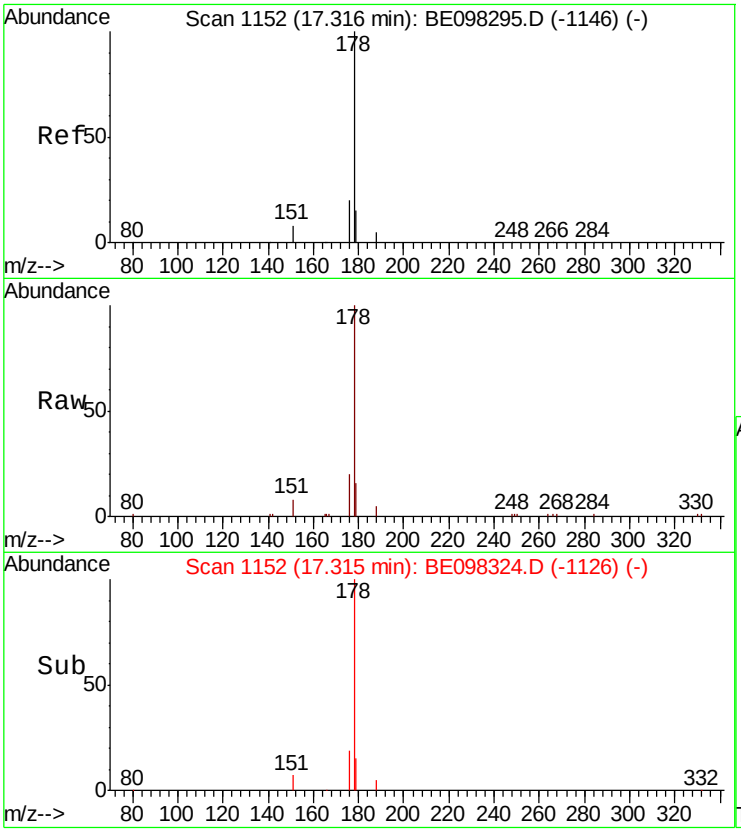


#22
Pentachlorophenol
Concen: 0.812 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:266 Resp: 740

Ion	Ratio	Lower	Upper
266	100		
264	64.5	59.0	88.4
268	73.5	55.1	82.7



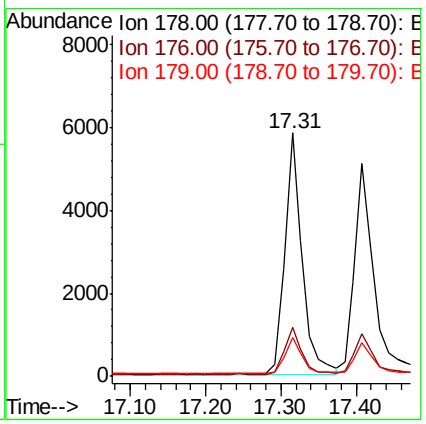


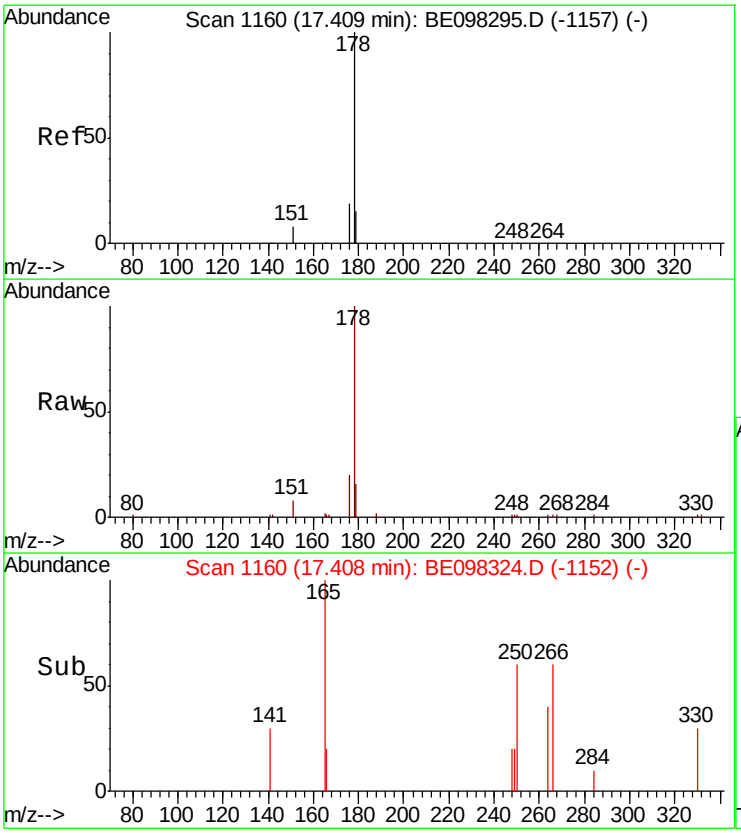
#23
Phenanthrene
Concen: 0.456 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 9495

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	14.9	12.3	18.5

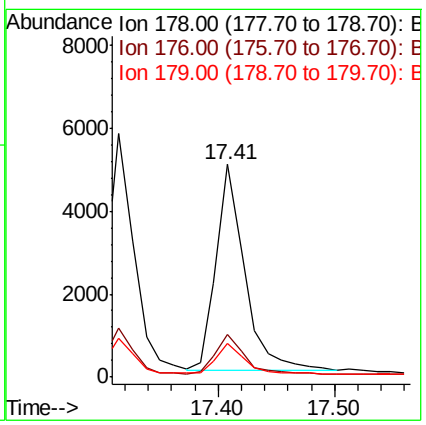


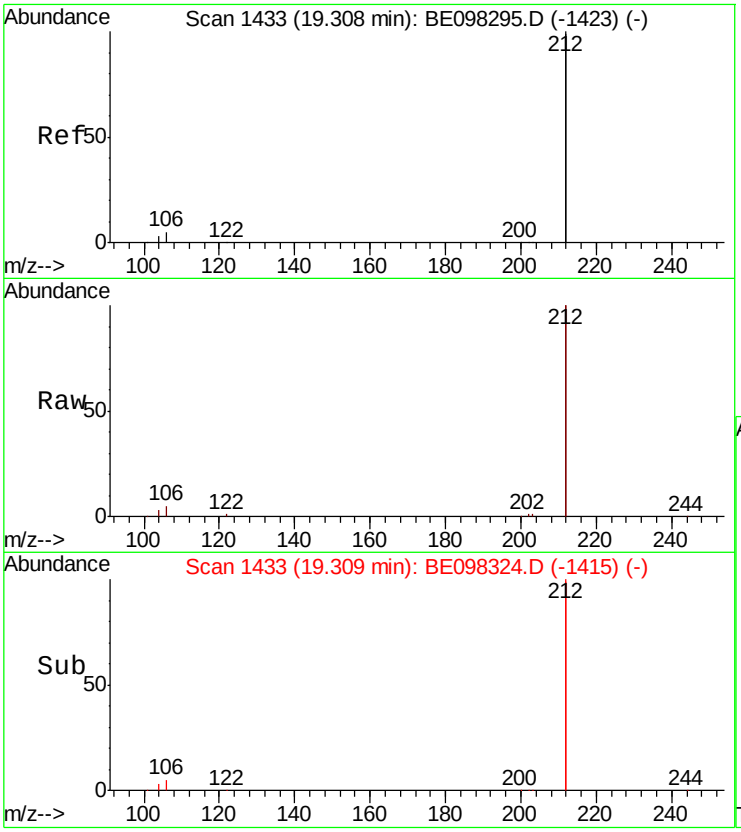


#24
Anthracene
Concen: 0.450 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:178 Resp: 8355

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	14.4	12.3	18.5



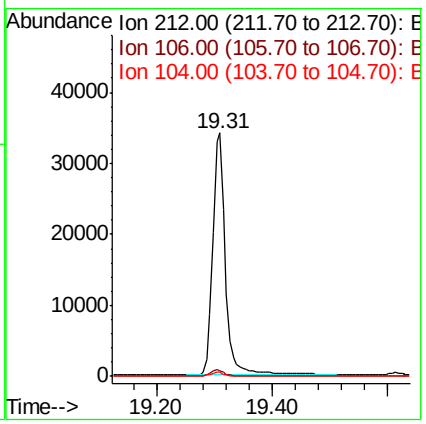


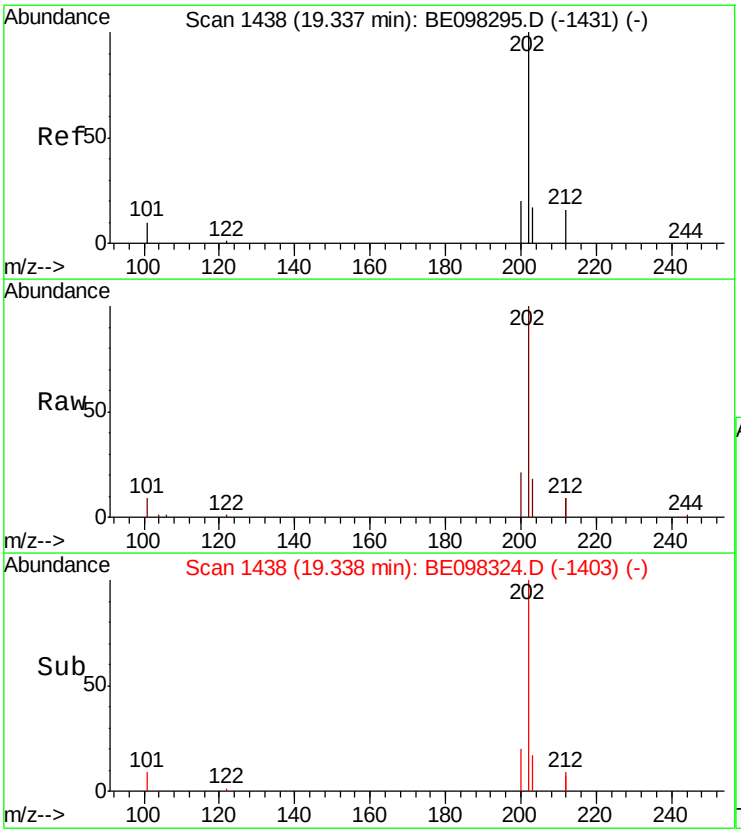
#25
Fluoranthene-d10
Concen: 0.471 ng
RT: 19.31 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 51812

Ion	Ratio	Lower	Upper
212	100		
106	2.6	2.2	3.2
104	1.5	1.3	1.9

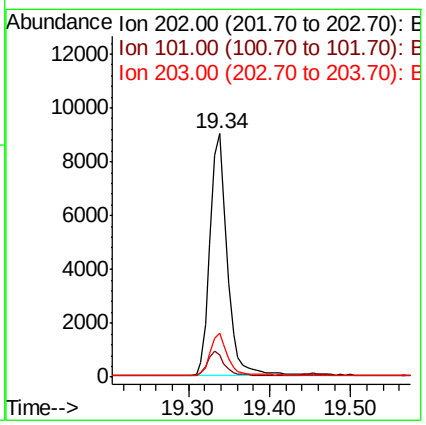


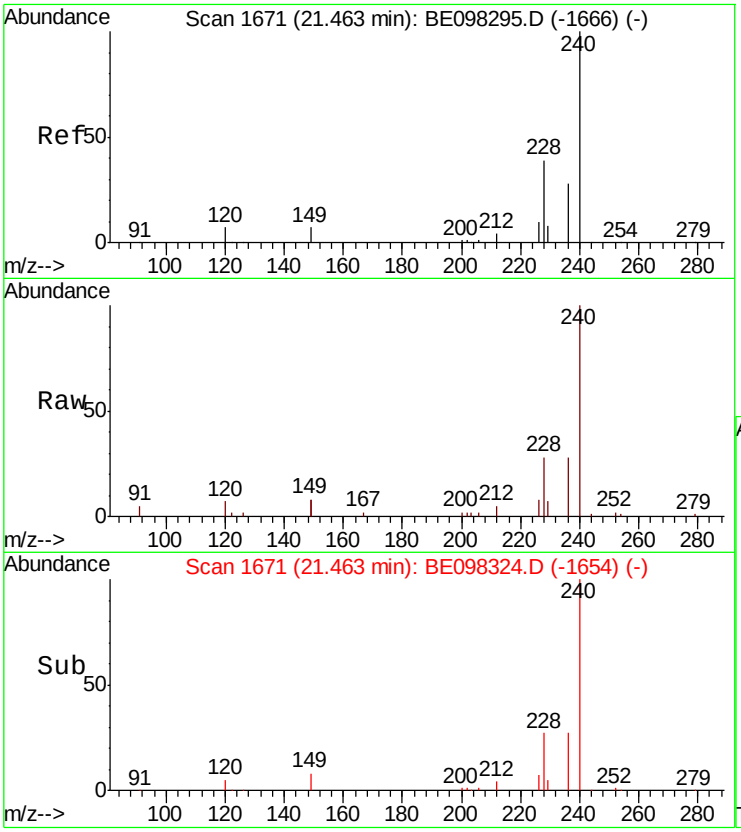


#26
Fluoranthene
Concen: 0.484 ng
RT: 19.34 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:202 Resp: 13360

Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.0	12.0
203	17.0	13.8	20.6



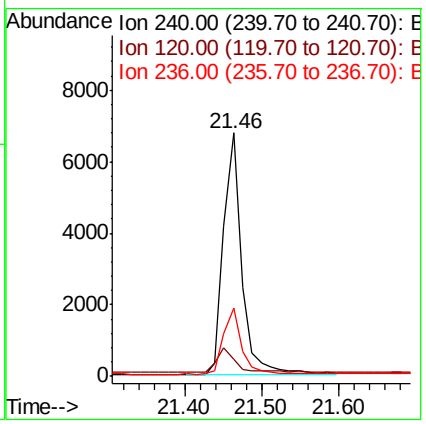


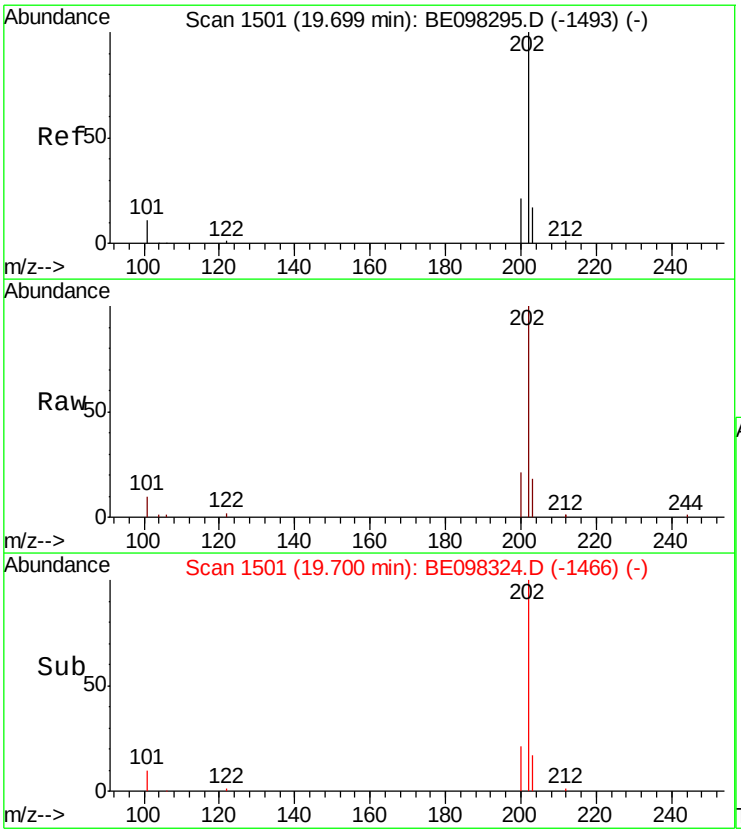
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 11110

Ion	Ratio	Lower	Upper
240	100		
120	7.1	9.5	14.3#
236	28.1	22.7	34.1

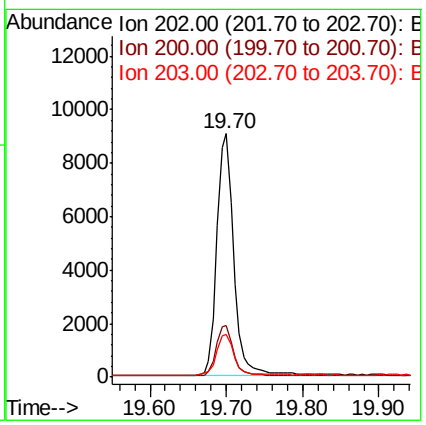


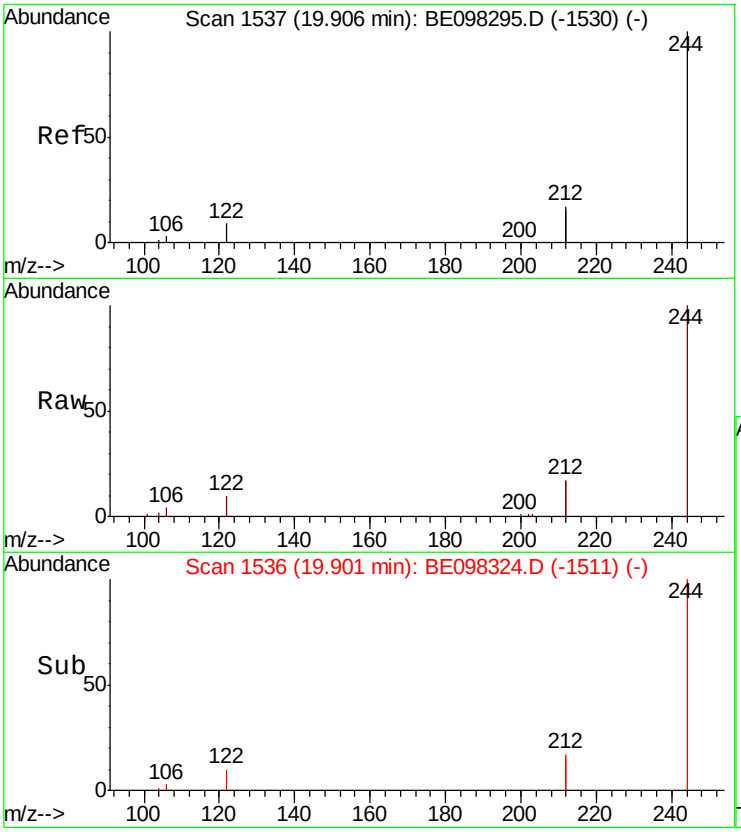


#28
Pyrene
Concen: 0.398 ng
RT: 19.70 min Scan# 1501
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:202 Resp: 13883

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.5	14.1	21.1



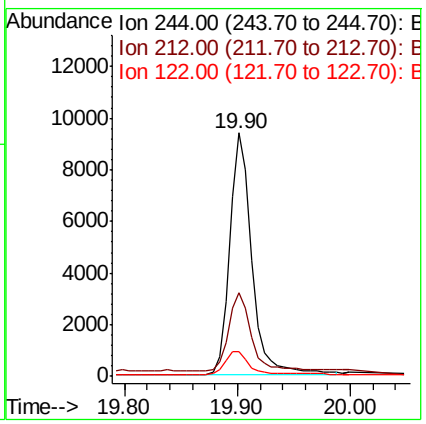


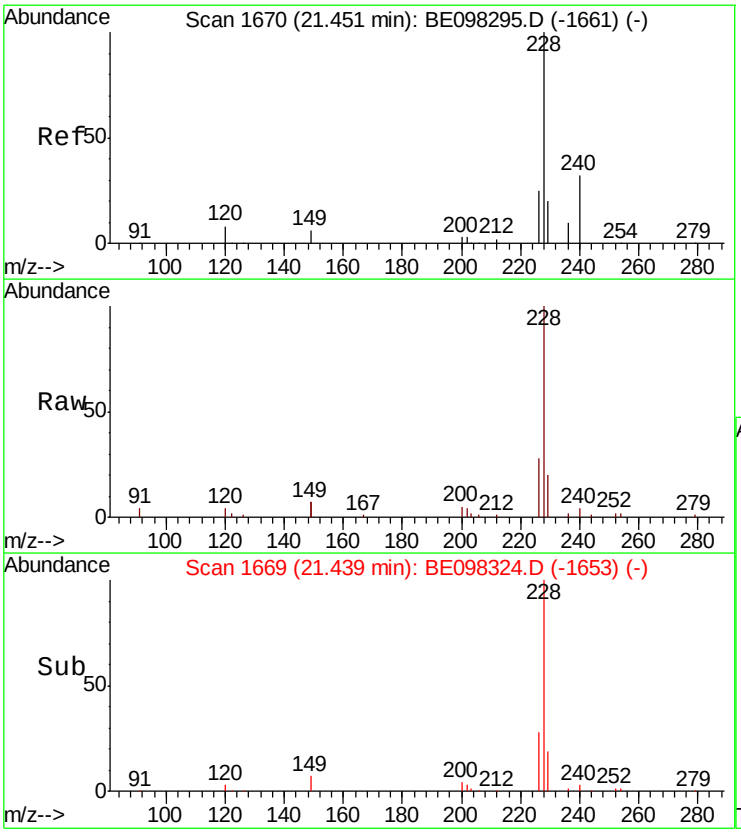
#29
Terphenyl-d14
Concen: 0.480 ng
RT: 19.90 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 12956

Ion	Ratio	Lower	Upper
244	100		
212	34.2	27.4	41.0
122	10.3	8.3	12.5

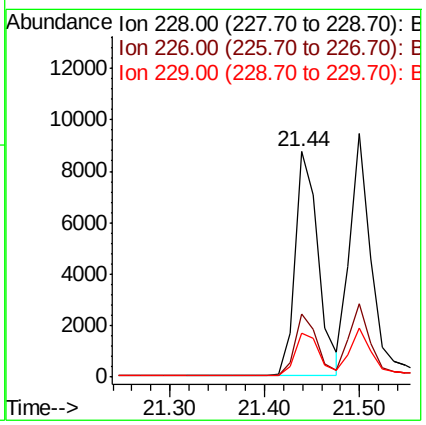


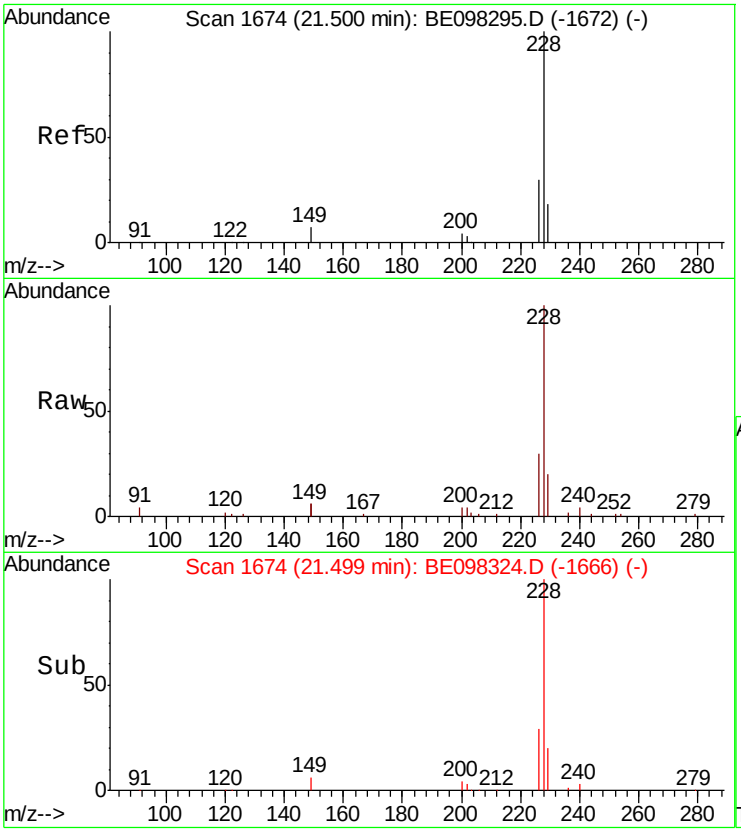


#30
Benzo(a)anthracene
Concen: 0.463 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:228 Resp: 14637

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	19.6	16.3	24.5



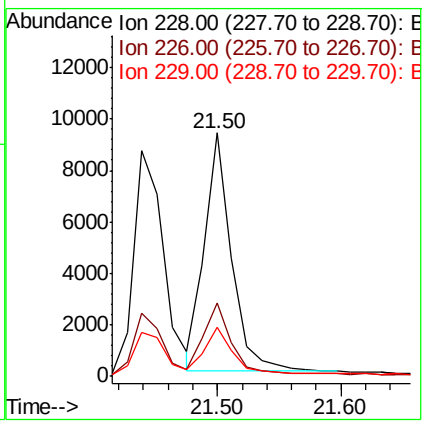


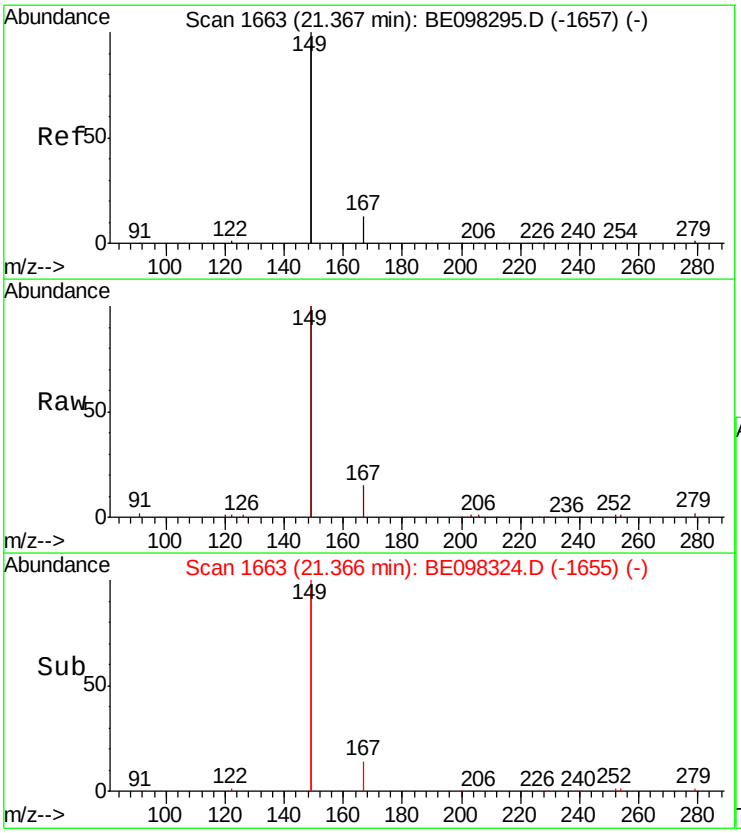
#31
Chrysene
Concen: 0.431 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 14284

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	20.3	16.2	24.4

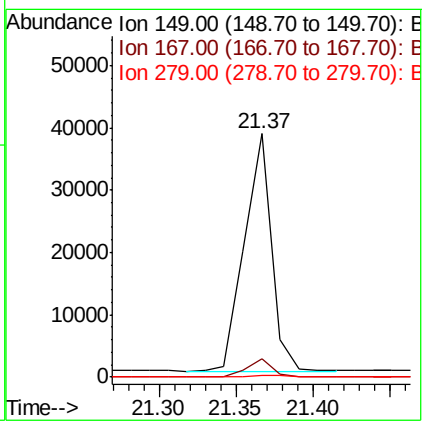


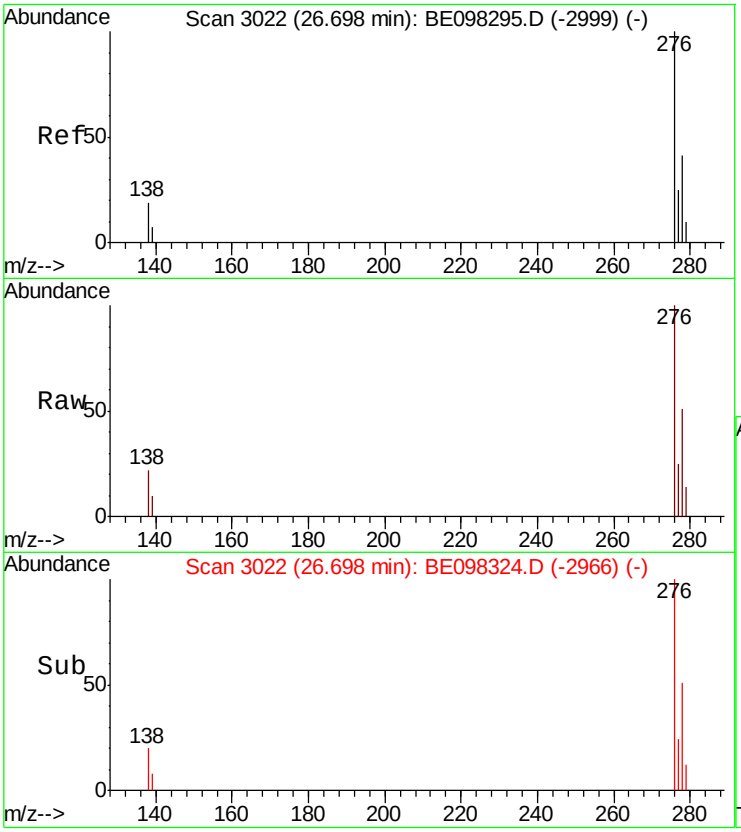


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.723 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:149 Resp: 46457

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



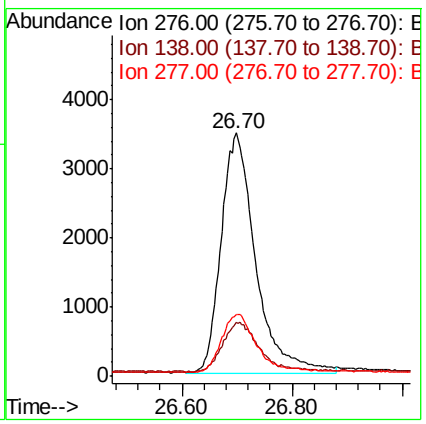


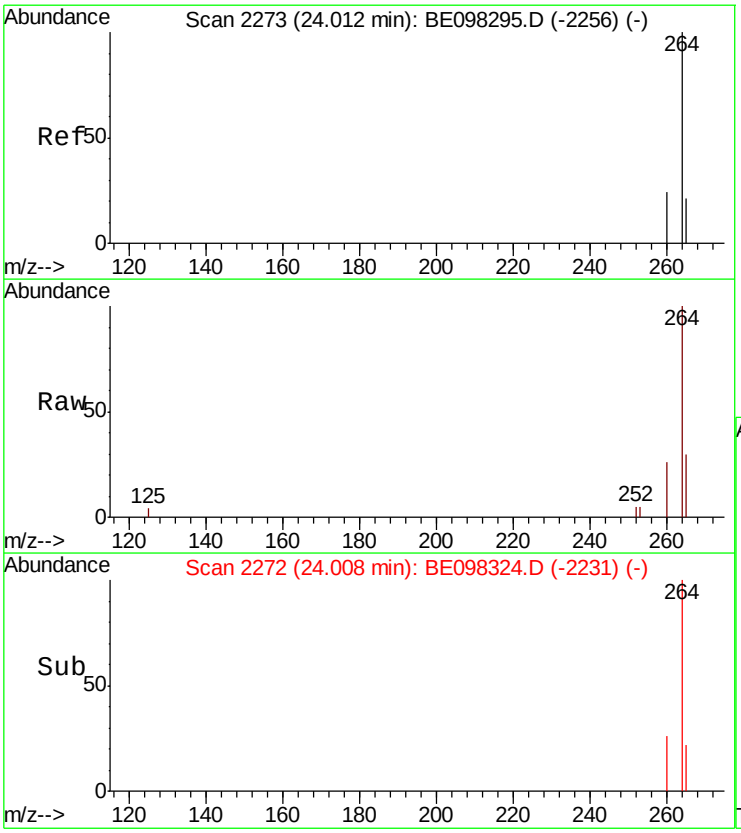
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.457 ng
RT: 26.70 min Scan# 3022
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 15074

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.3	24.5
277	24.4	20.2	30.4

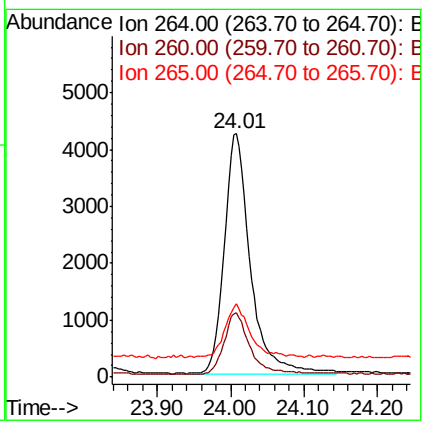


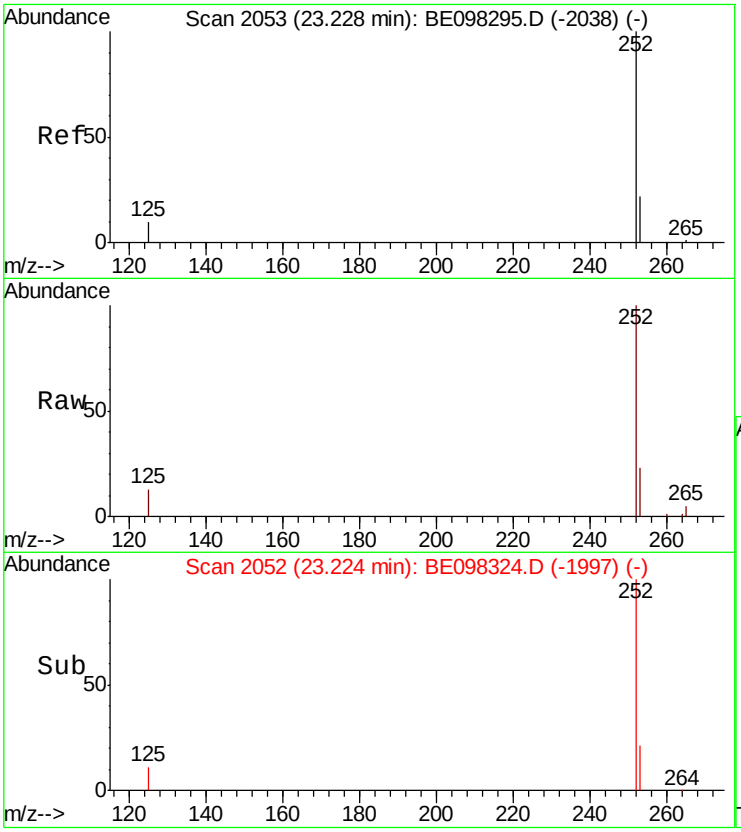


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:264 Resp: 10488

Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.2	30.2
265	30.0	25.2	37.8



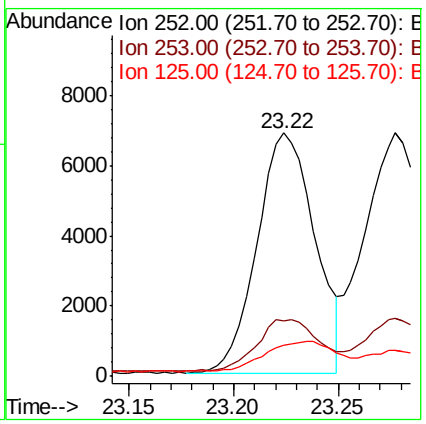


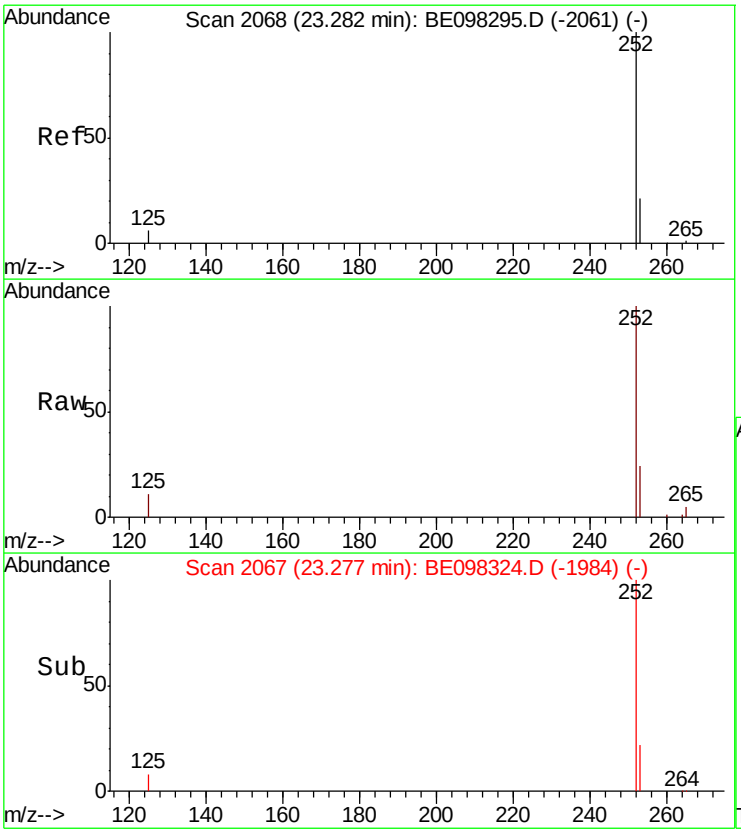
#35
Benzo(b)fluoranthene
Concen: 0.456 ng
RT: 23.22 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 13086

Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.0	30.0
125	12.5	9.6	14.4

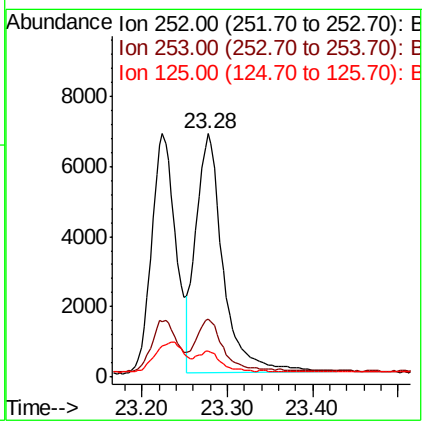


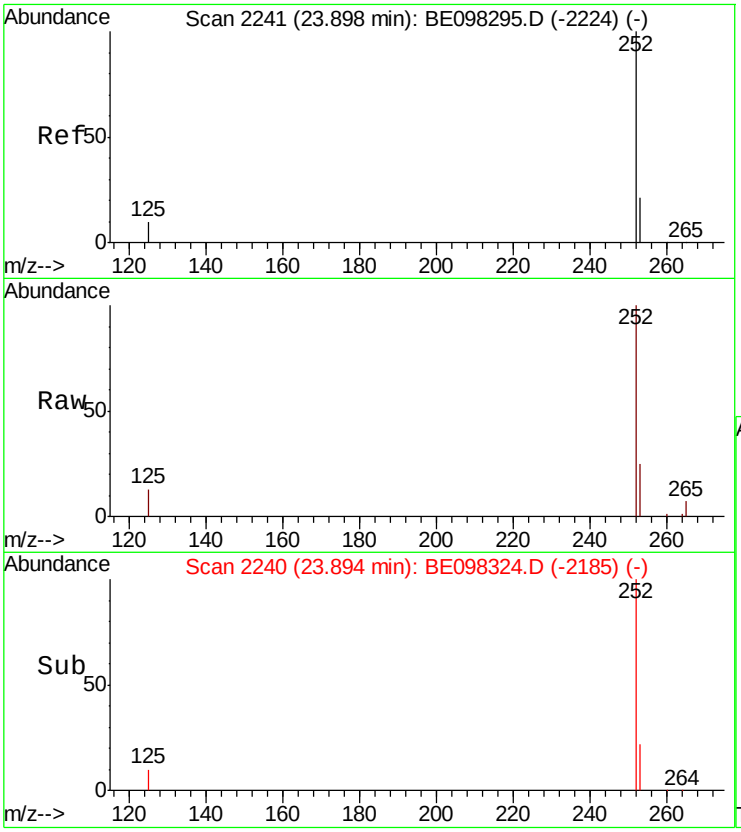


#36
Benzo(k)fluoranthene
Concen: 0.448 ng
RT: 23.28 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:252 Resp: 14964

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	10.5	9.1	13.7



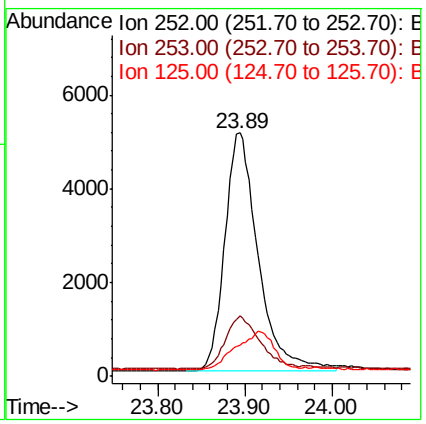


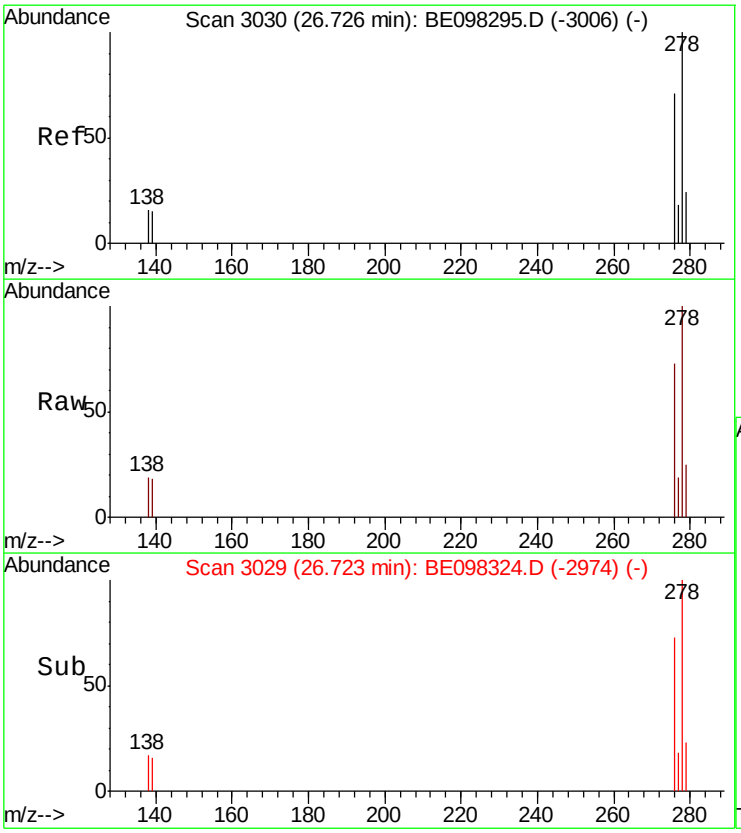
#37
Benzo(a)pyrene
Concen: 0.459 ng
RT: 23.89 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 13578

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.6	30.8
125	12.8	10.5	15.7

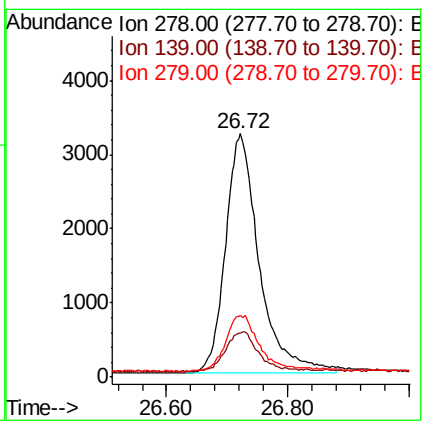


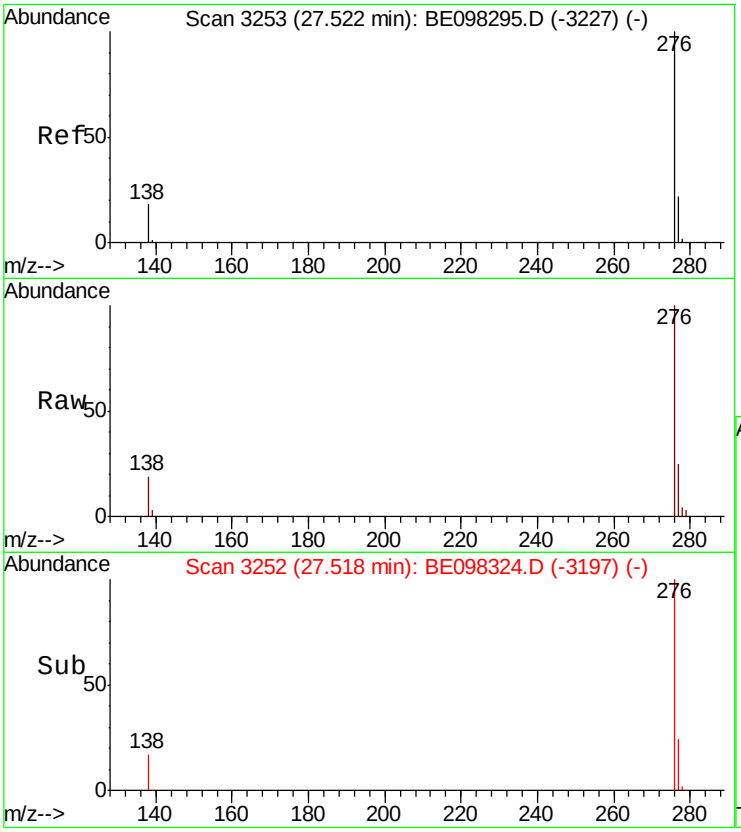


#38
Dibenzo(a,h)anthracene
Concen: 0.450 ng
RT: 26.72 min Scan# 3029
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:278 Resp: 12532

Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.5	21.7
279	25.4	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.451 ng
RT: 27.52 min Scan# 3252
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 12658

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.8	31.2
138	19.2	15.8	23.6