Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
Data File : BE098209.D
Acq On : 13 Nov 2018 11:11
Operator : SJ/JU
Sample : PB114586BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB114586BS

Quant Time: Nov 13 11:59:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 13:32:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1369	0.40	ng		0.01
7) Naphthalene-d8	10.67	136	6776	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4454	0.40	ng		0.00
19) Phenanthrene-d10	17.28	188	10387	0.40	ng		0.00
27) Chrysene-d12	21.46	240	12256	0.40	ng		0.00
34) Perylene-d12	24.02	264	11598	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	1524	0.39	ng		0.00
5) Phenol-d6	7.04	99	2540	0.41	ng		0.00
8) Nitrobenzene-d5	9.03	82	2563	0.38	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	4549	0.38	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	652	0.34	ng		0.01
15) 2-Fluorobiphenyl	13.16	172	7073	0.38	ng		0.01
25) Fluoranthene-d10	19.31	212	50666	0.39	ng		0.00
29) Terphenyl-d14	19.91	244	10301	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	788	0.382	ng		94
3) n-Nitrosodimethylamine	3.69	42	974	0.363	ng	#	89
6) bis(2-Chloroethyl)ether	7.29	93	1945	0.388	ng		97
9) Naphthalene	10.72	128	26235	0.381	ng		99
10) Hexachlorobutadiene	11.00	225	1619	0.378	ng		99
12) 2-Methylnaphthalene	12.34	142	4655	0.389	ng		98
16) Acenaphthylene	14.26	152	8007	0.392	ng		98
17) Acenaphthene	14.60	154	4824	0.387	ng		99
18) Fluorene	15.58	166	6197	0.388	ng		98
20) 4-Bromophenyl-phenylether	16.48	248	2467	0.390	ng	#	78
21) Hexachlorobenzene	16.59	284	2524	0.383	ng		99
22) Pentachlorophenol	16.94	266	486	0.411	ng		97
23) Phenanthrene	17.33	178	10150	0.392	ng		100
24) Anthracene	17.42	178	9288	0.385	ng		99
26) Fluoranthene	19.34	202	12549	0.392	ng		99
28) Pyrene	19.71	202	13109	0.389	ng		99
30) Benzo(a)anthracene	21.45	228	13156	0.378	ng		98
31) Chrysene	21.50	228	13235	0.374	ng		100
32) Bis(2-ethylhexyl)phthalate	21.37	149	28651	0.396	ng		100
33) Indeno(1,2,3-cd)pyrene	26.72	276	12413	0.383	ng	#	88
35) Benzo(b)fluoranthene	23.23	252	12250	0.372	ng		98
36) Benzo(k)fluoranthene	23.28	252	13577	0.391	ng		98
37) Benzo(a)pyrene	23.90	252	12040	0.381	ng		98
38) Dibenzo(a,h)anthracene	26.73	278	10328	0.384	ng		98
39) Benzo(g,h,i)perylene	27.54	276	10668	0.380	ng		98

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

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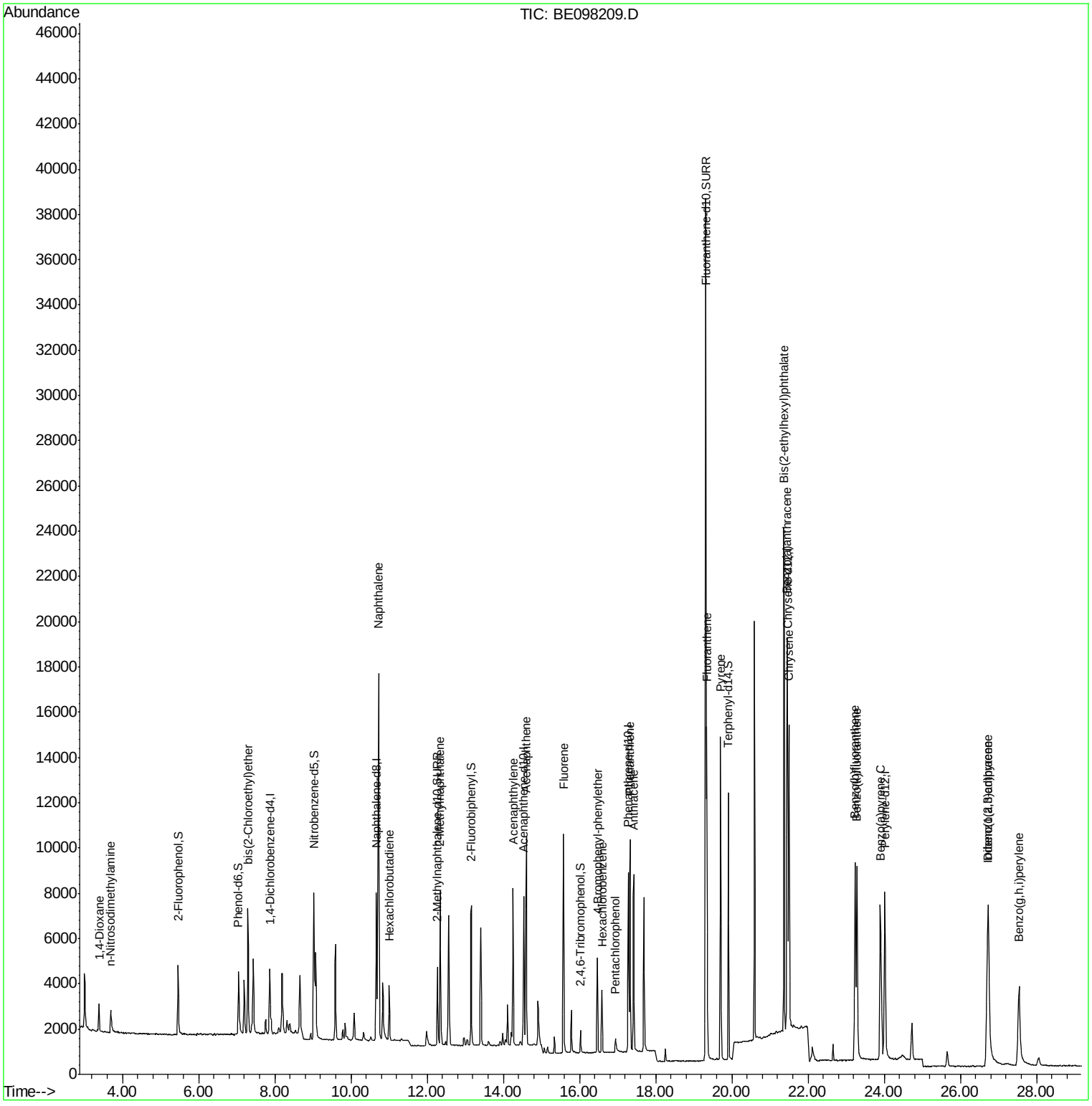
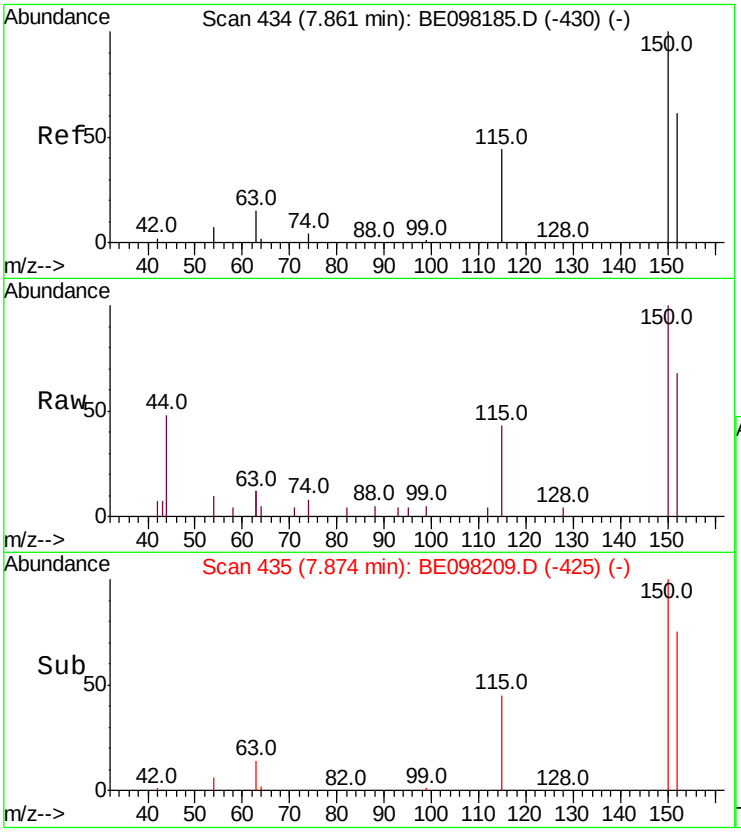
Data File : BE098209.D
Acq On : 13 Nov 2018 11:11
Operator : SJ/JU
Sample : PB114586BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Quant Time: Nov 13 11:59:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 13:32:15 2018
Response via : Initial Calibration



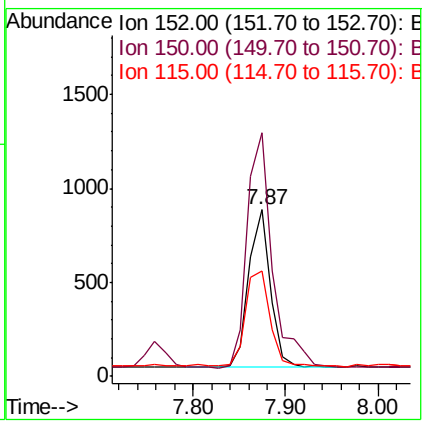


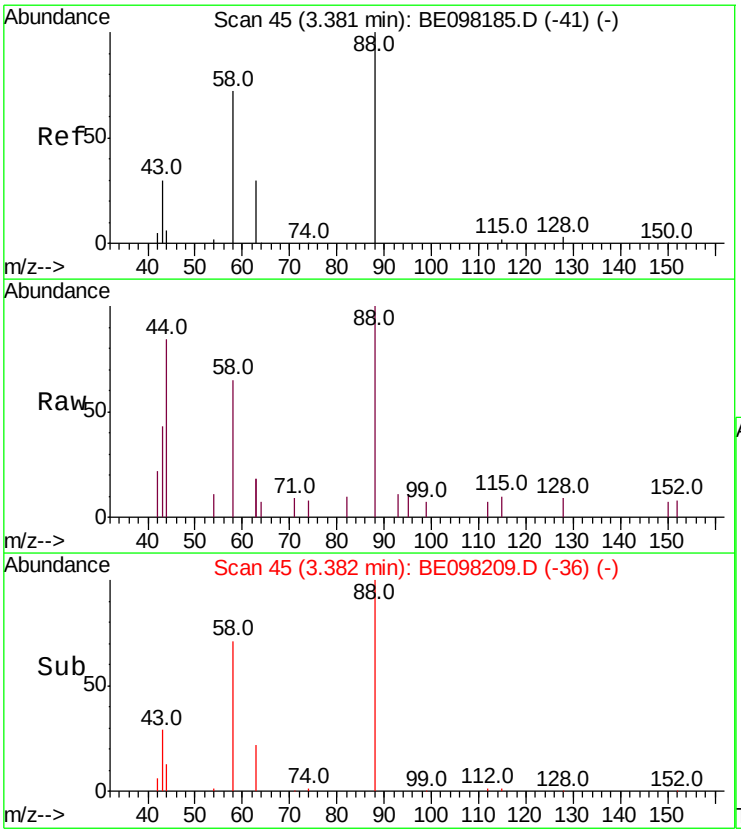
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:152 Resp: 1369

Ion	Ratio	Lower	Upper
152	100		
150	146.3	127.5	191.3
115	63.3	60.3	90.5

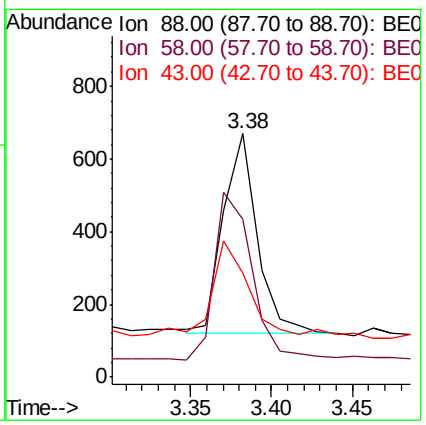


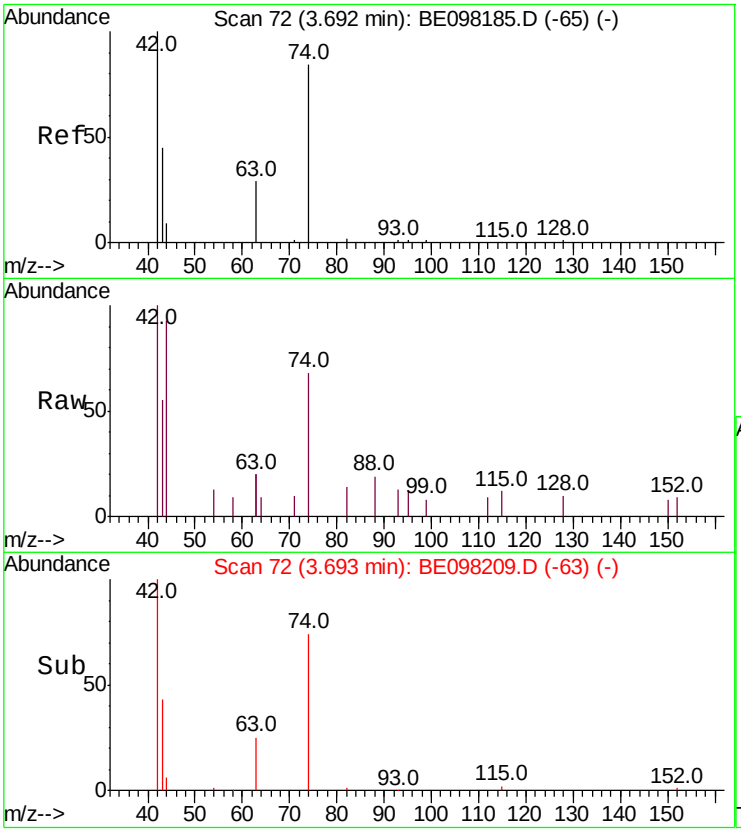


#2
1,4-Dioxane
Concen: 0.382 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion: 88 Resp: 788

Ion	Ratio	Lower	Upper
88	100		
58	93.3	79.0	118.4
43	51.8	38.1	57.1



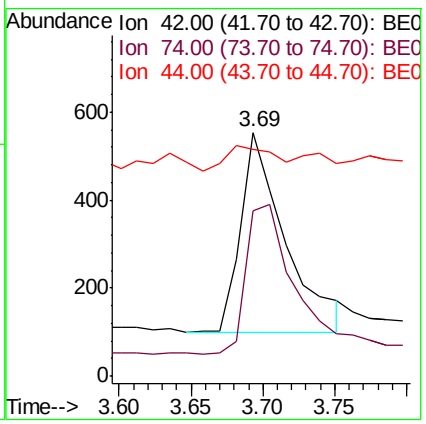


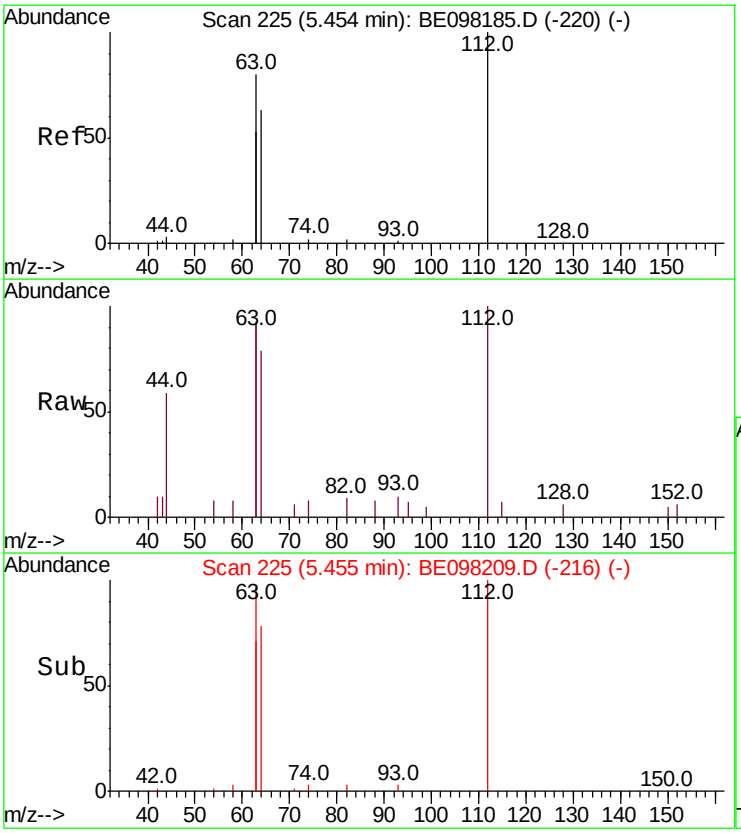
#3
n-Nitrosodimethylamine
Concen: 0.363 ng
RT: 3.69 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion: 42 Resp: 974

Ion	Ratio	Lower	Upper
42	100		
74	80.5	61.7	92.5
44	0.0	14.0	21.0#

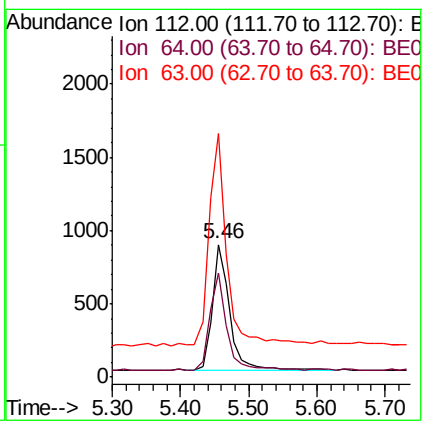


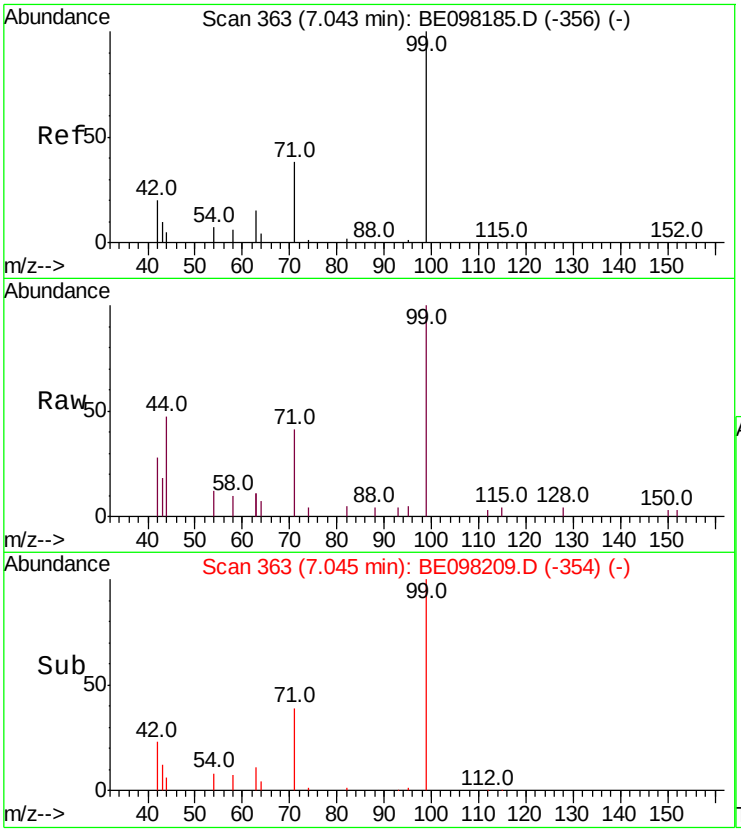


#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:112 Resp: 1524

Ion	Ratio	Lower	Upper
112	100		
64	76.0	61.7	92.5
63	178.7	136.2	204.2



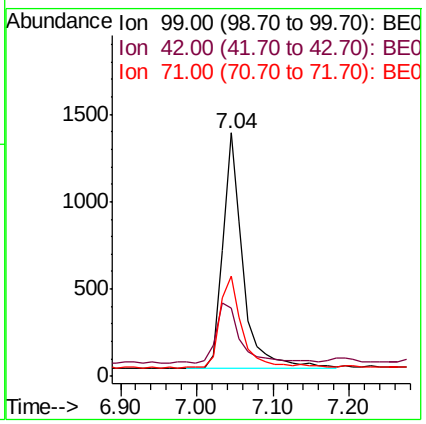


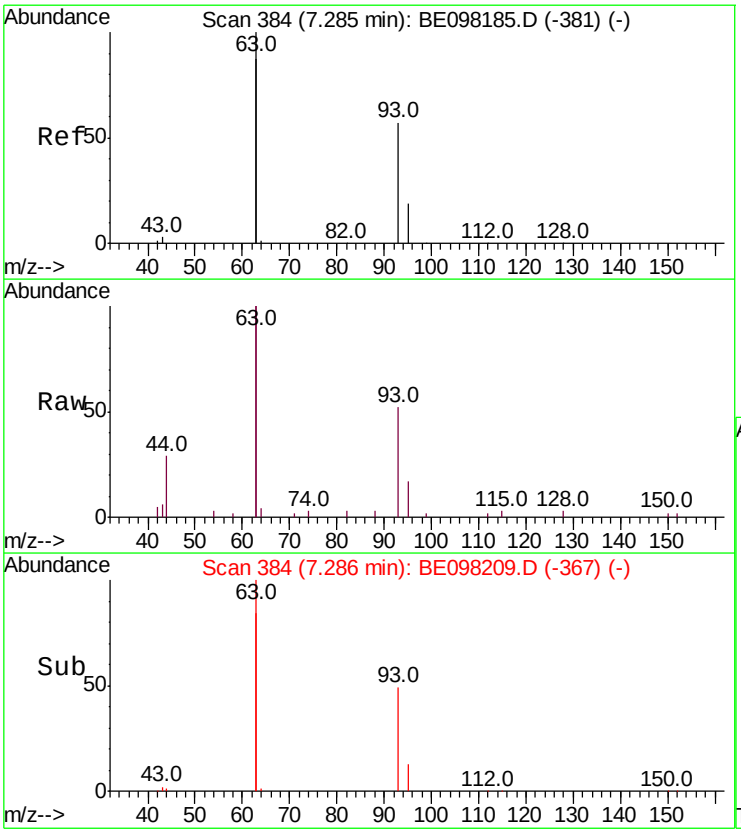
#5
Phenol-d6
Concen: 0.409 ng
RT: 7.04 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion: 99 Resp: 2540

Ion	Ratio	Lower	Upper
99	100		
42	30.4	27.1	40.7
71	43.0	37.0	55.6

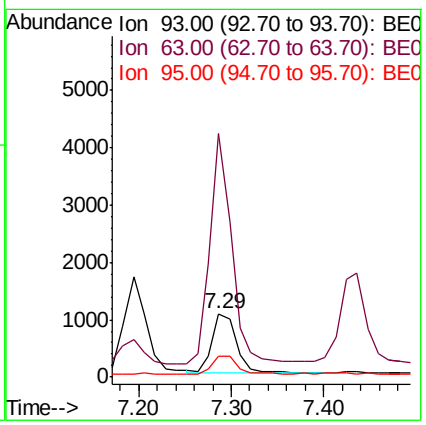


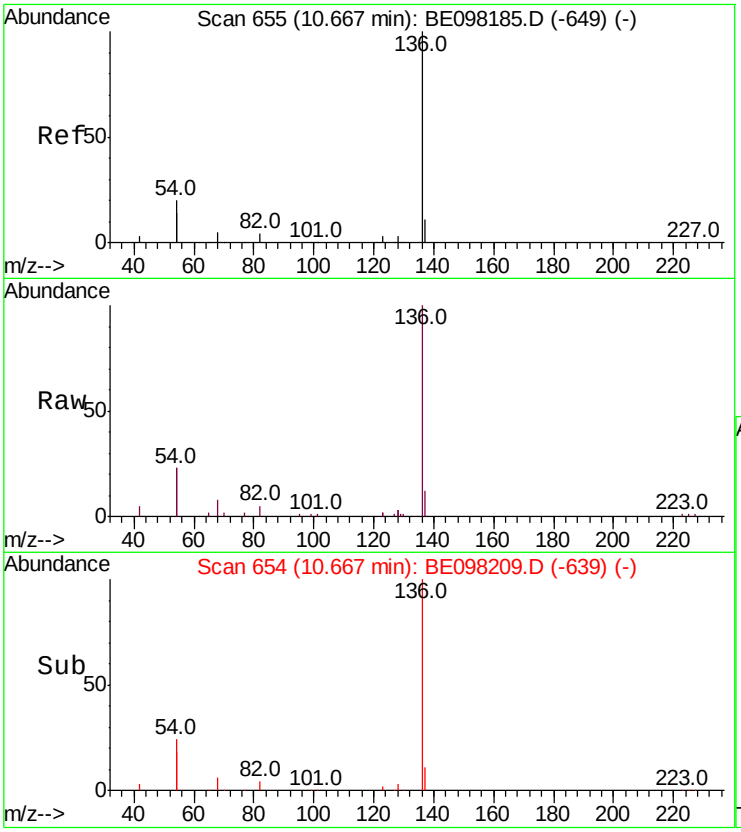


#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion: 93 Resp: 1945

Ion	Ratio	Lower	Upper
93	100		
63	335.7	272.6	409.0
95	31.0	27.1	40.7



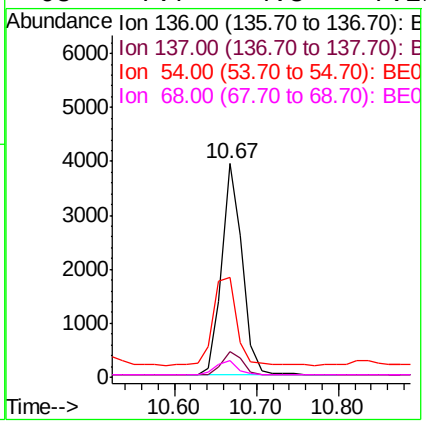


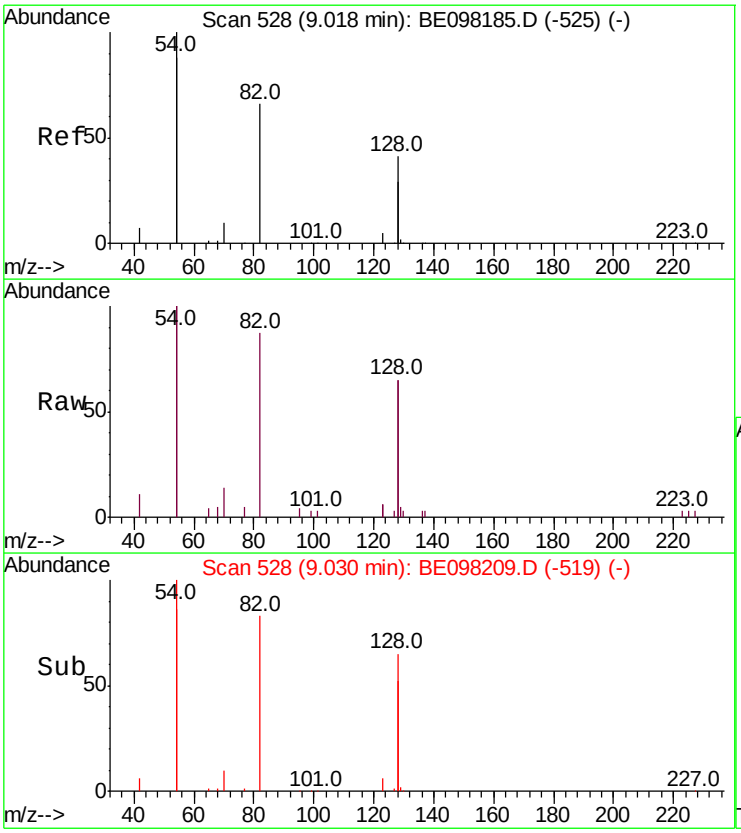
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:136 Resp: 6776

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	46.5	31.3	46.9
68	7.7	4.8	7.2#

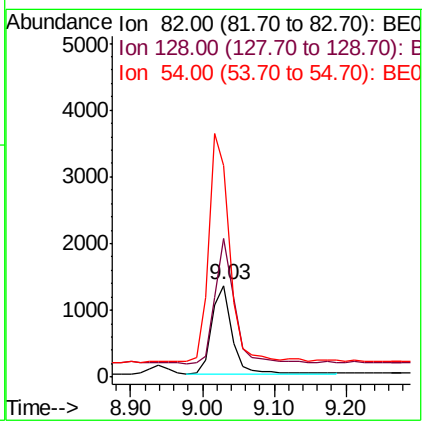


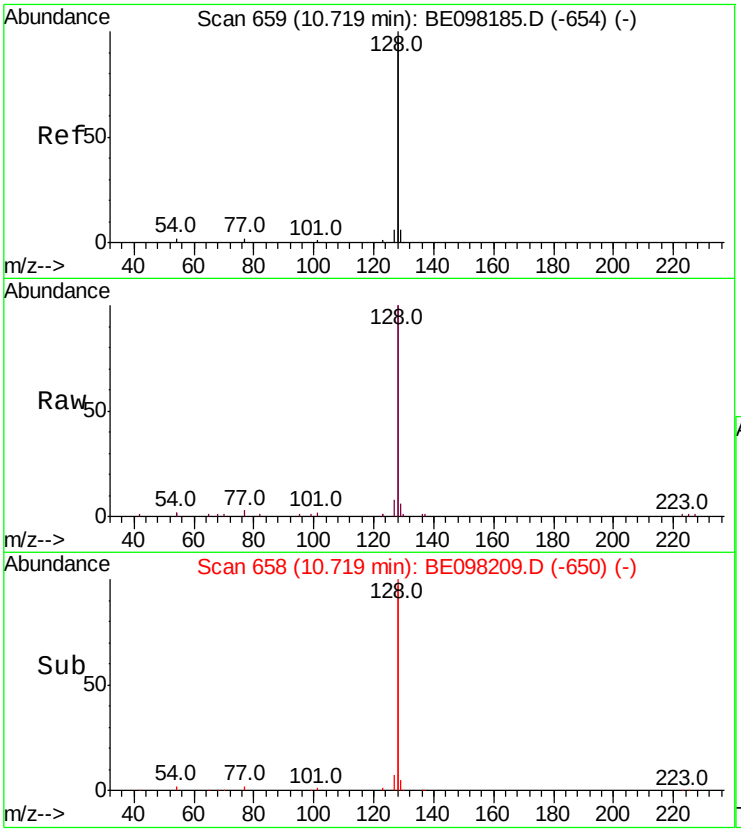


#8
Nitrobenzene-d5
Concen: 0.379 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion: 82 Resp: 2563

Ion	Ratio	Lower	Upper
82	100		
128	151.3	96.1	144.1#
54	231.2	232.0	348.0#



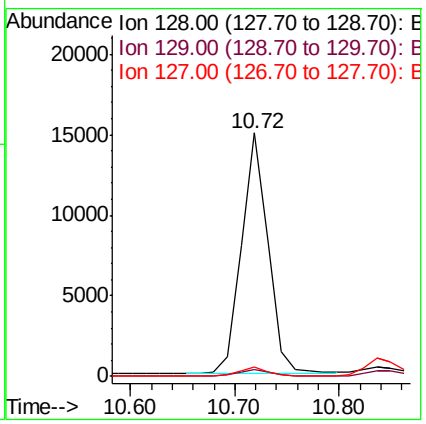


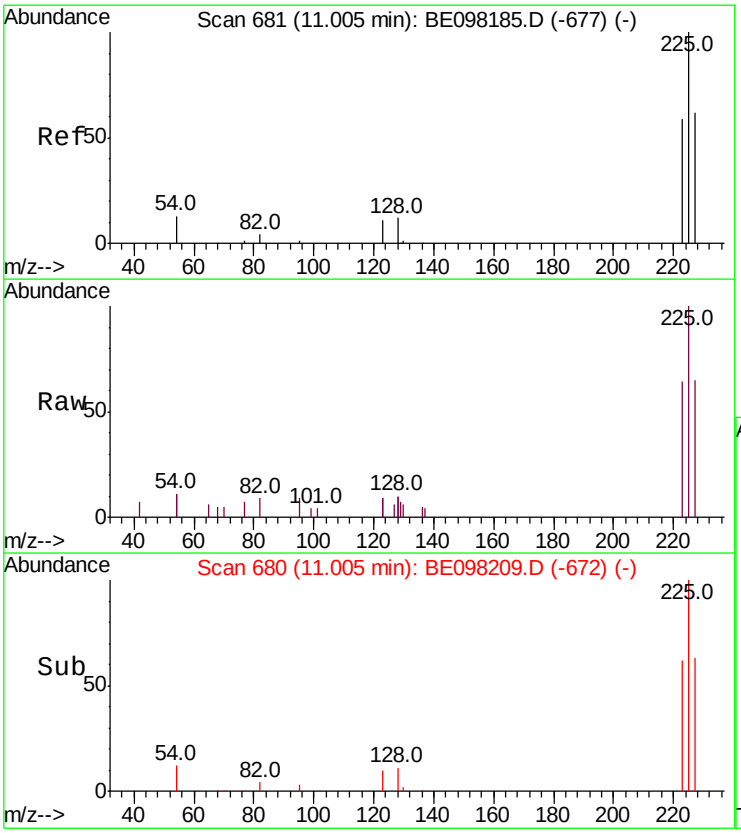
#9
Naphthalene
Concen: 0.381 ng
RT: 10.72 min Scan# 658
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:128 Resp: 26235

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	4.0
127	3.8	2.8	4.2

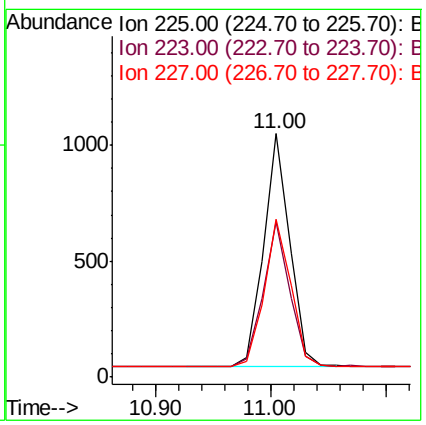


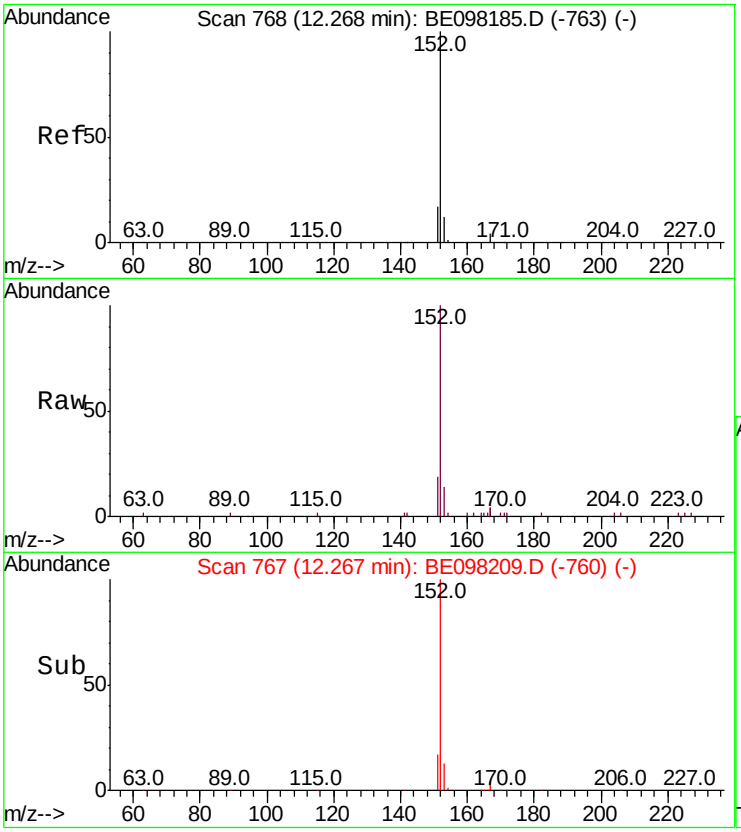


#10
Hexachlorobutadiene
Concen: 0.378 ng
RT: 11.00 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:225 Resp: 1619

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7
227	64.2	50.3	75.5



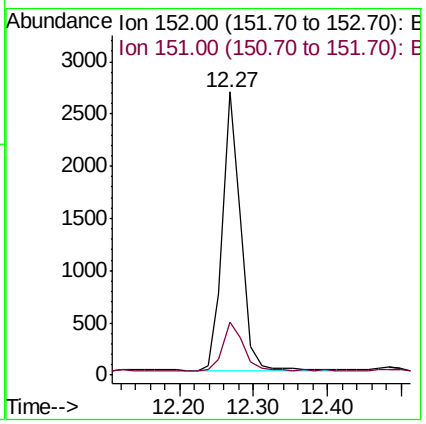


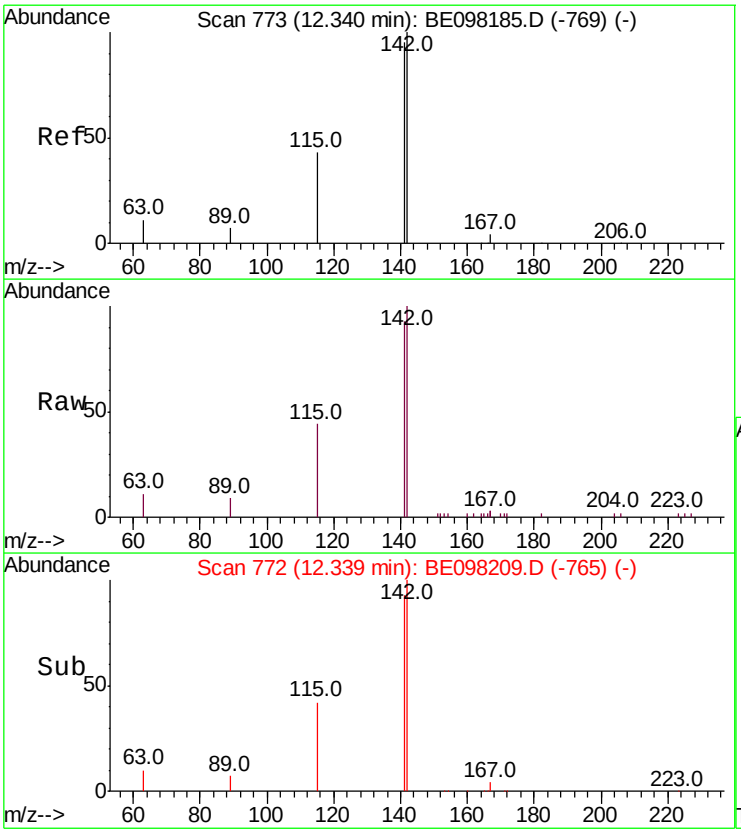
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:152 Resp: 4549

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.2

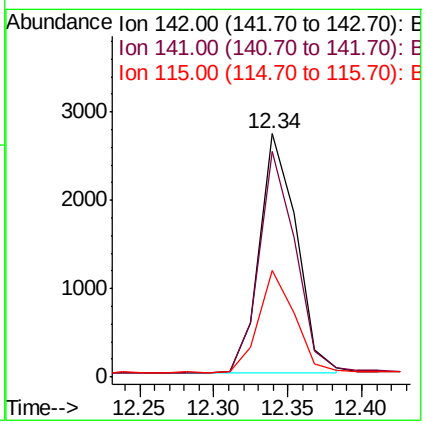


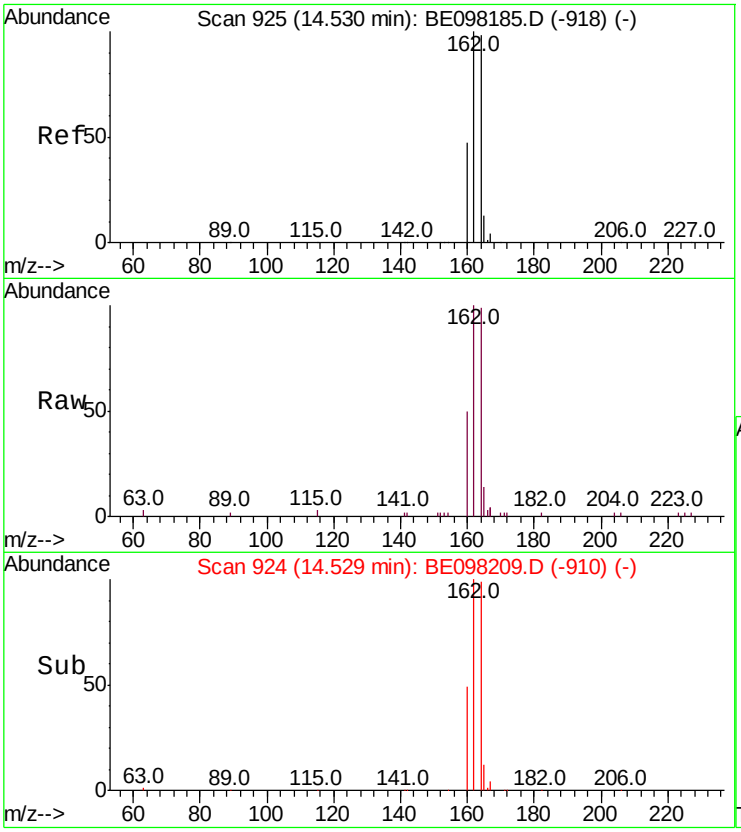


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:142 Resp: 4655

Ion	Ratio	Lower	Upper
142	100		
141	92.7	76.3	114.5
115	43.7	35.8	53.8



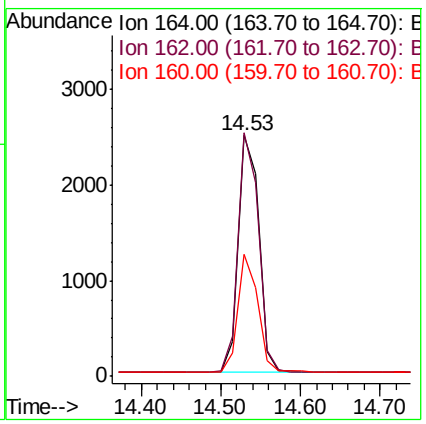


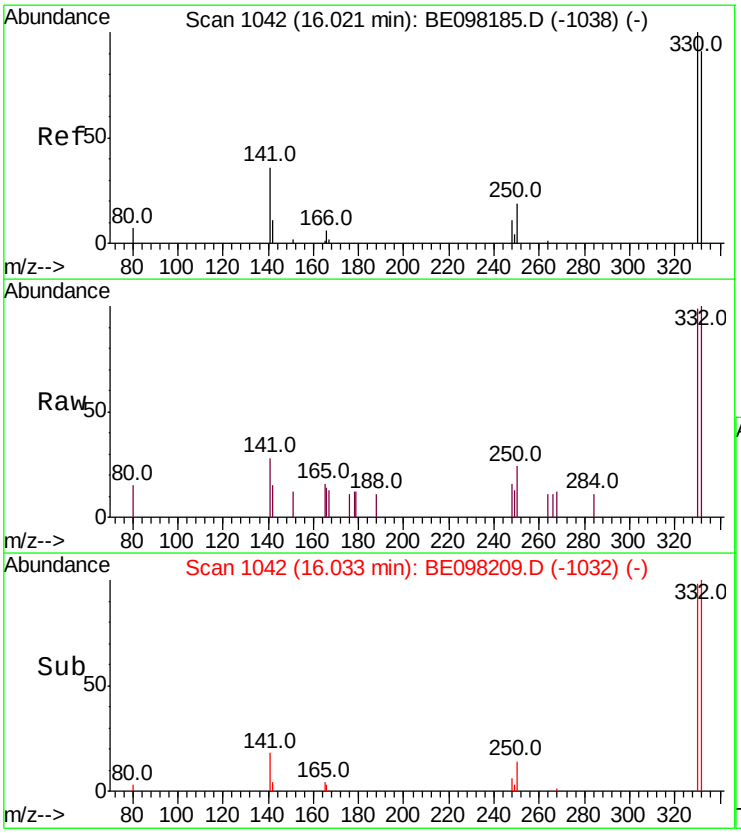
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:164 Resp: 4454

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.8	122.6
160	50.5	39.4	59.0

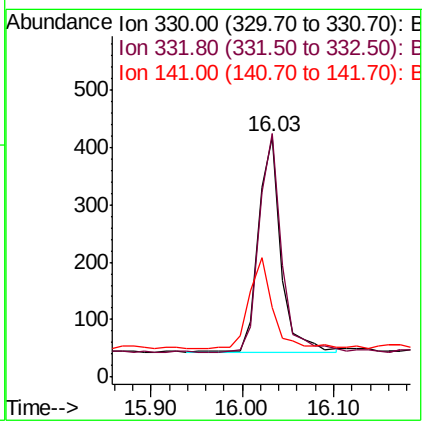


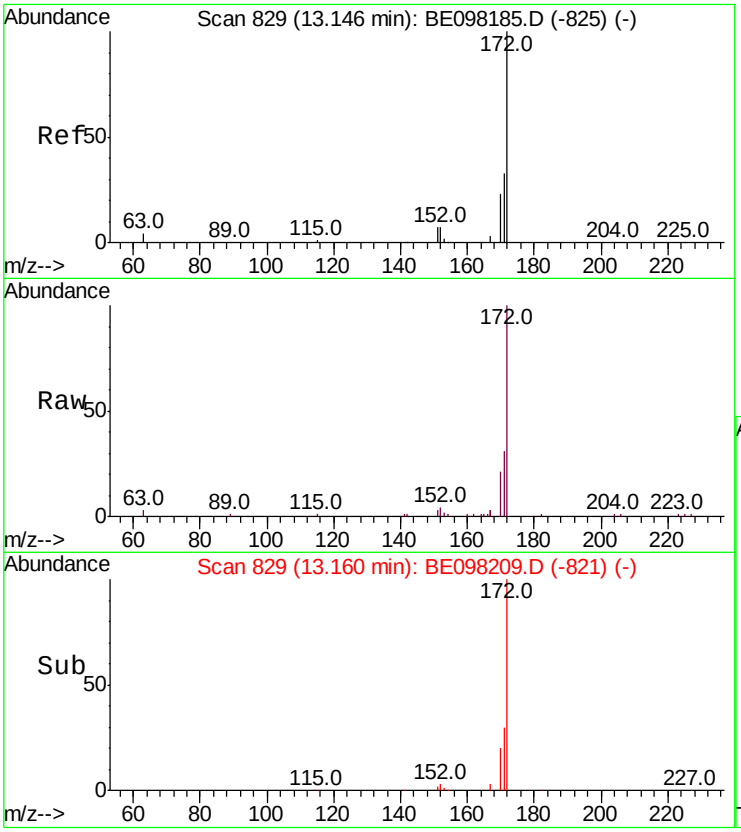


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:330 Resp: 652

Ion	Ratio	Lower	Upper
330	100		
332	102.5	77.7	116.5
141	45.1	33.6	50.4



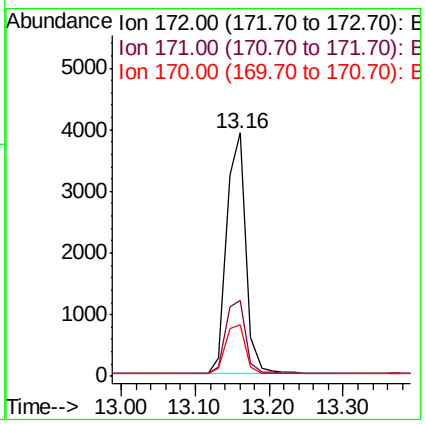


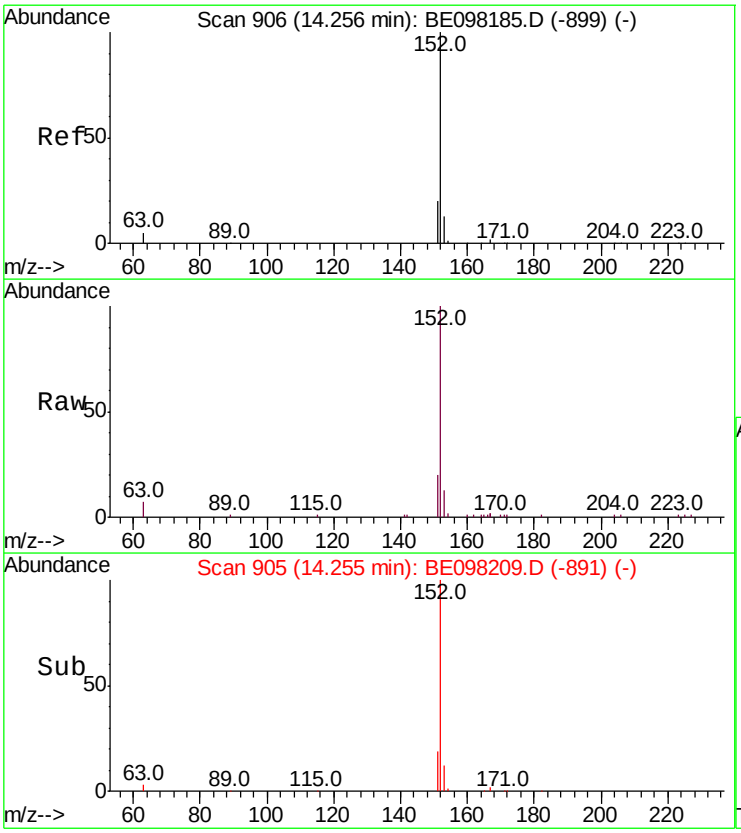
#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:172 Resp: 7073

Ion	Ratio	Lower	Upper
172	100		
171	31.0	27.3	40.9
170	21.2	19.4	29.0

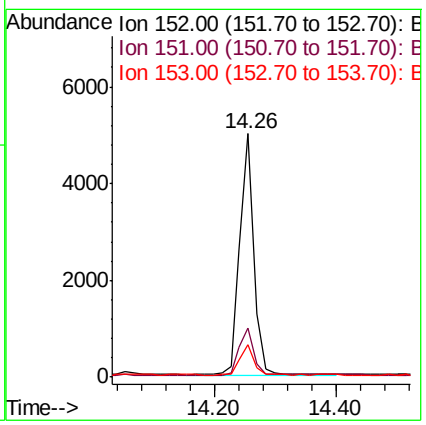


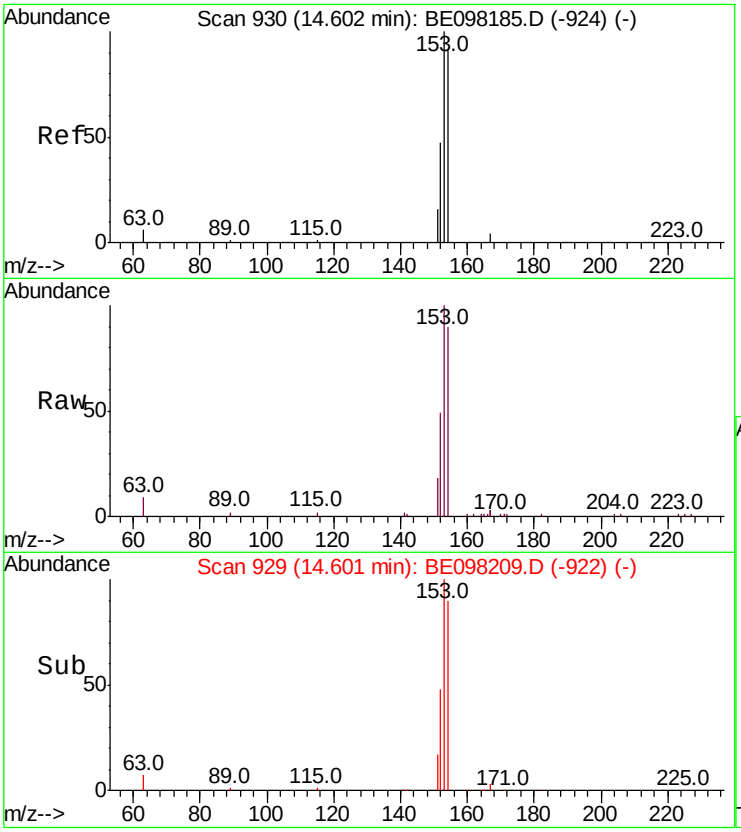


#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:152 Resp: 8007

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	12.4	10.6	15.8



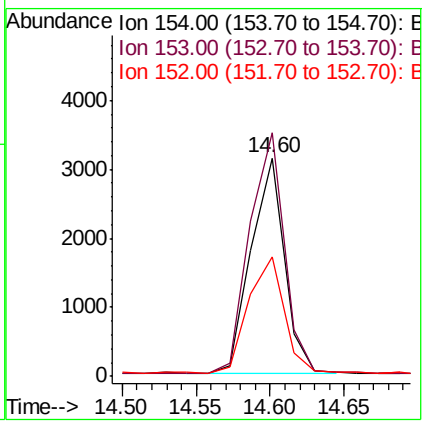


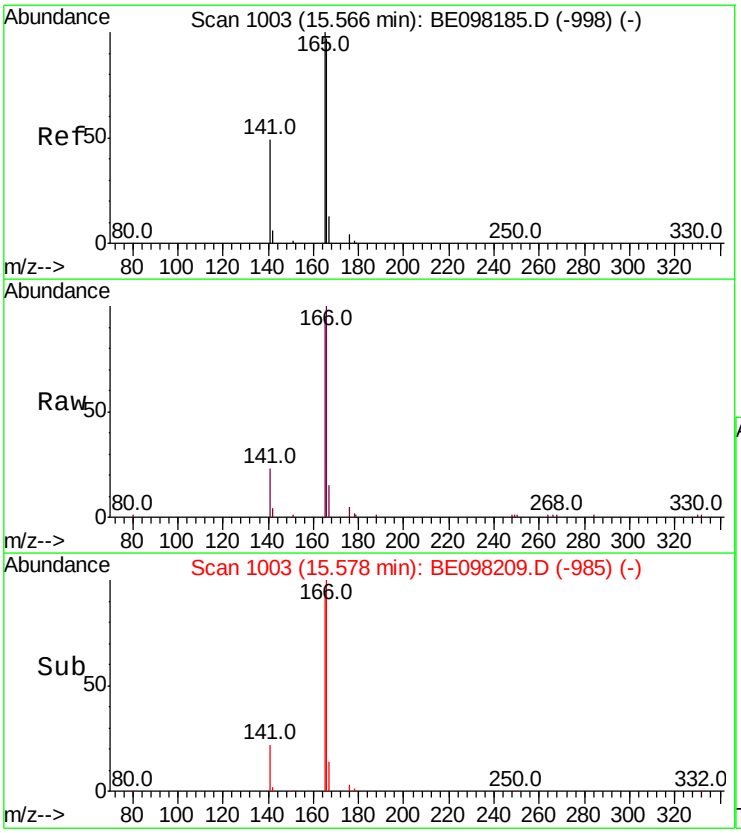
#17
Acenaphthene
Concen: 0.387 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:154 Resp: 4824

Ion	Ratio	Lower	Upper
154	100		
153	116.4	92.1	138.1
152	57.7	46.2	69.2

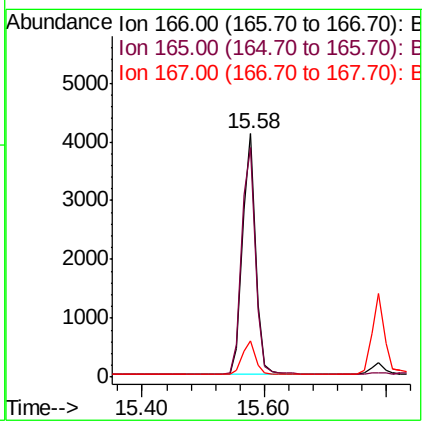


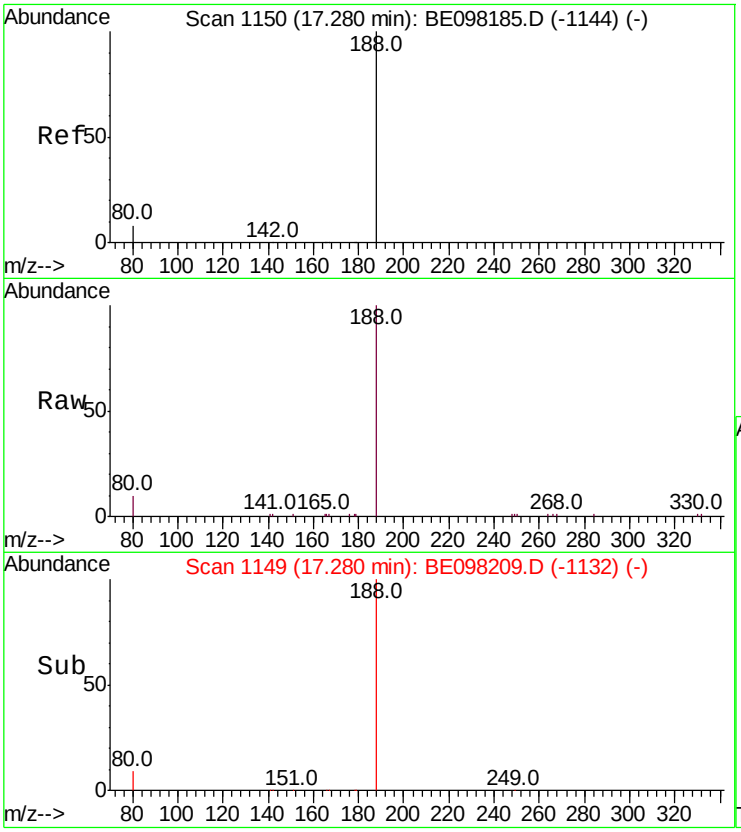


#18
Fluorene
Concen: 0.388 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:166 Resp: 6197

Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.1	120.1
167	13.5	10.8	16.2



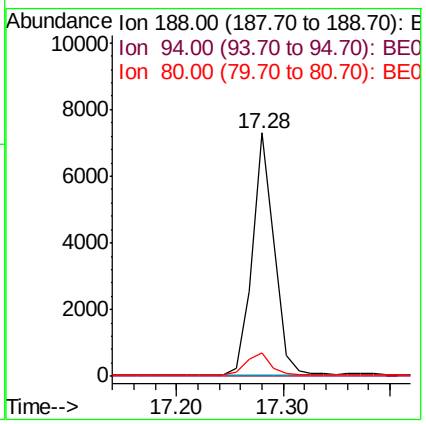


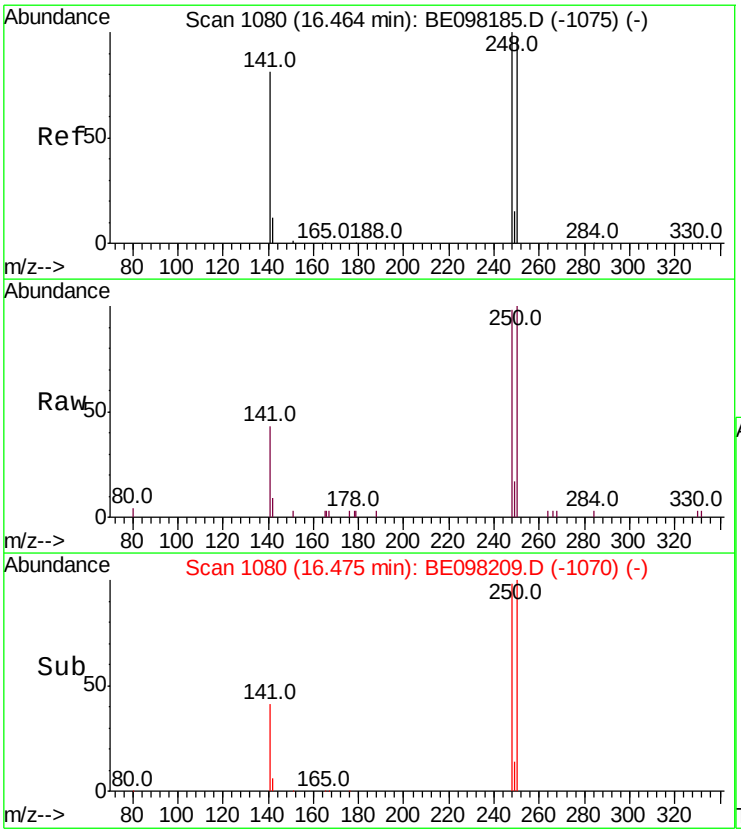
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:188 Resp: 10387

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	6.7	10.1

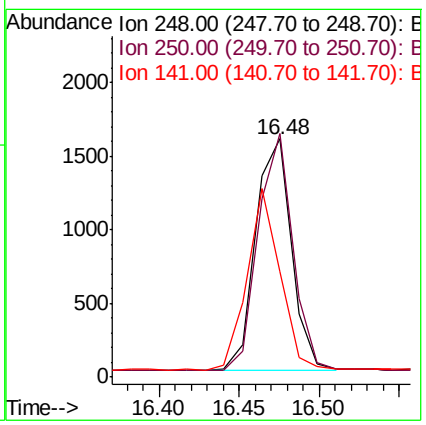


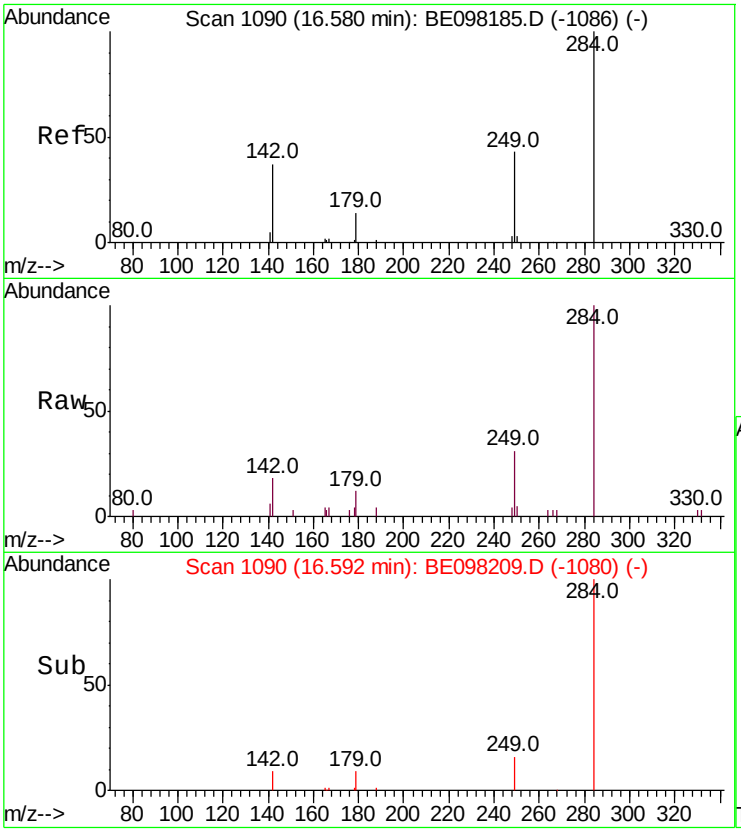


#20
4-Bromophenyl-phenylether
Concen: 0.390 ng
RT: 16.48 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:248 Resp: 2467

Ion	Ratio	Lower	Upper
248	100		
250	102.3	77.6	116.4
141	44.2	65.8	98.8#



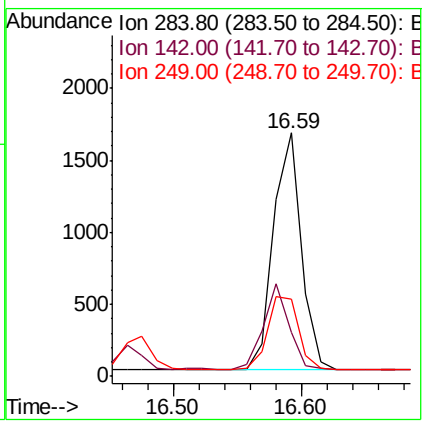


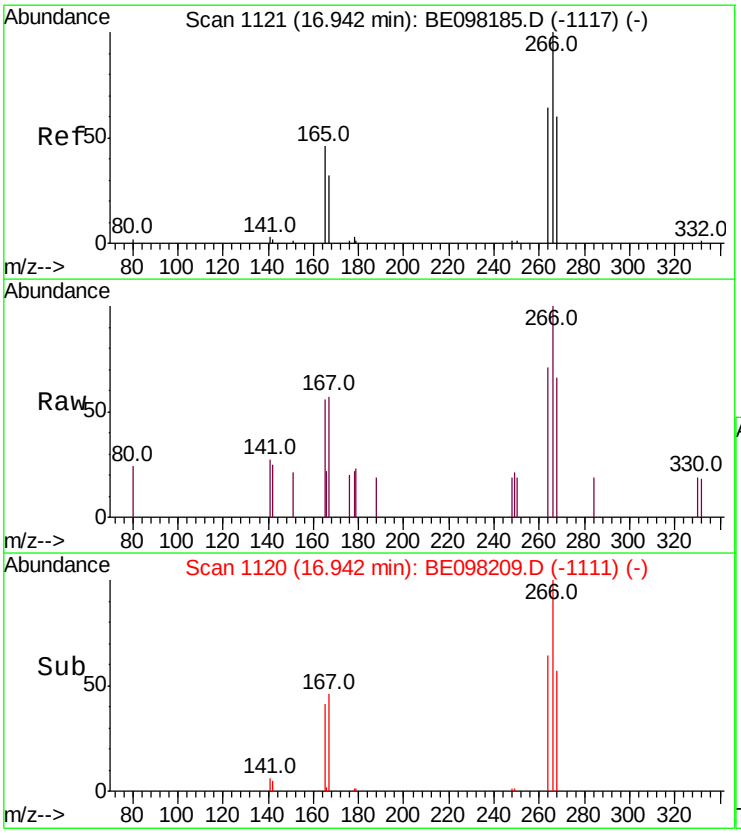
#21
Hexachlorobenzene
Concen: 0.383 ng
RT: 16.59 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:284 Resp: 2524

Ion	Ratio	Lower	Upper
284	100		
142	33.1	26.5	39.7
249	34.4	28.4	42.6

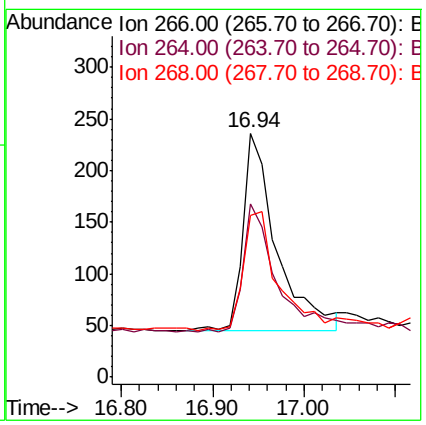


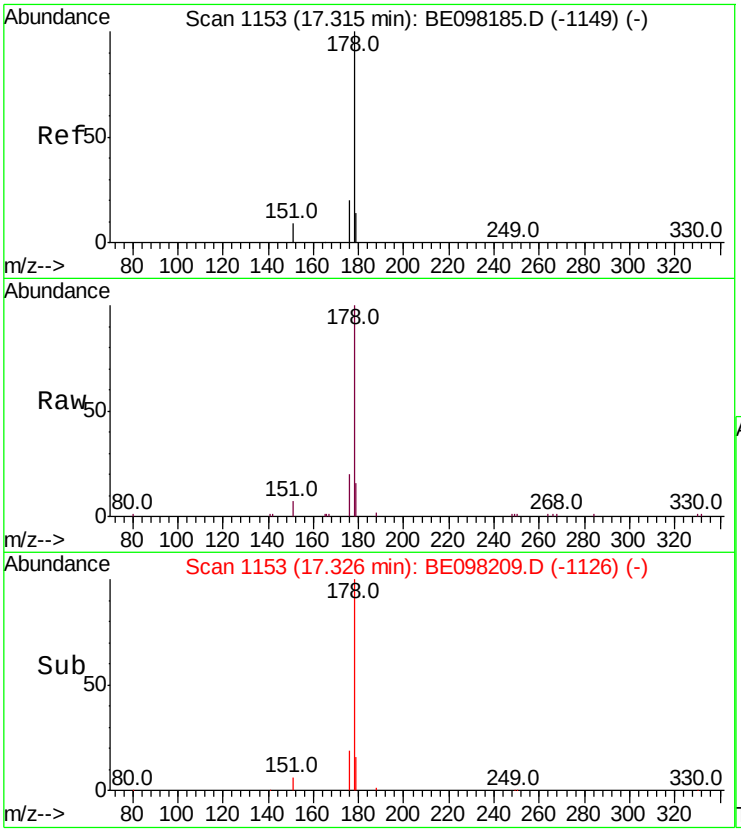


#22
Pentachlorophenol
Concen: 0.411 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:266 Resp: 486

Ion	Ratio	Lower	Upper
266	100		
264	71.2	57.6	86.4
268	66.1	56.8	85.2



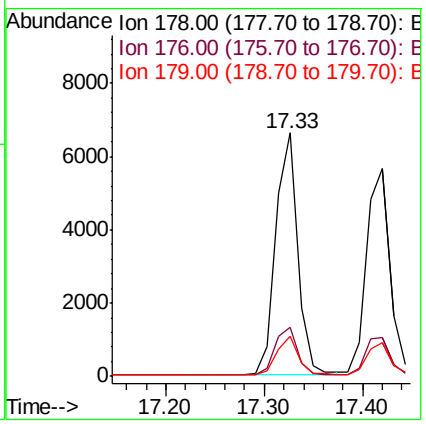


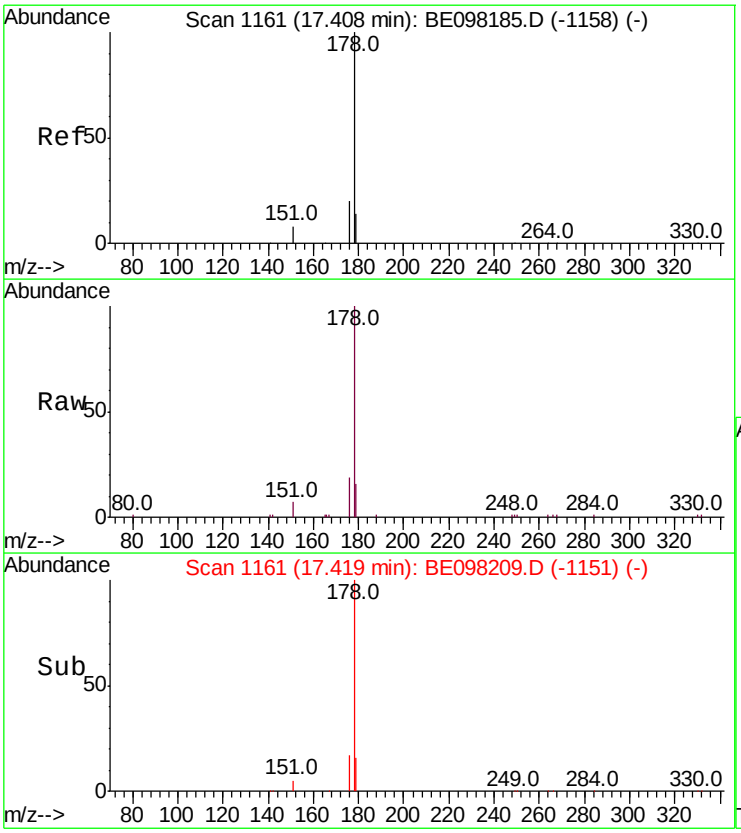
#23
Phenanthrene
Concen: 0.392 ng
RT: 17.33 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:178 Resp: 10150

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.4	12.3	18.5

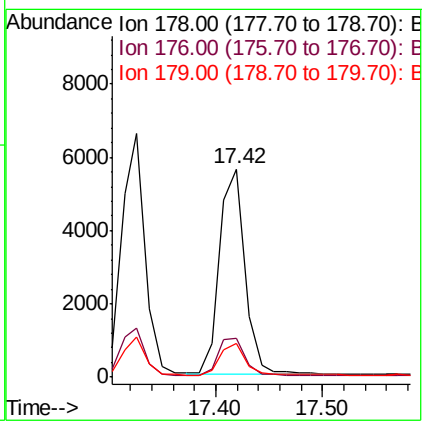


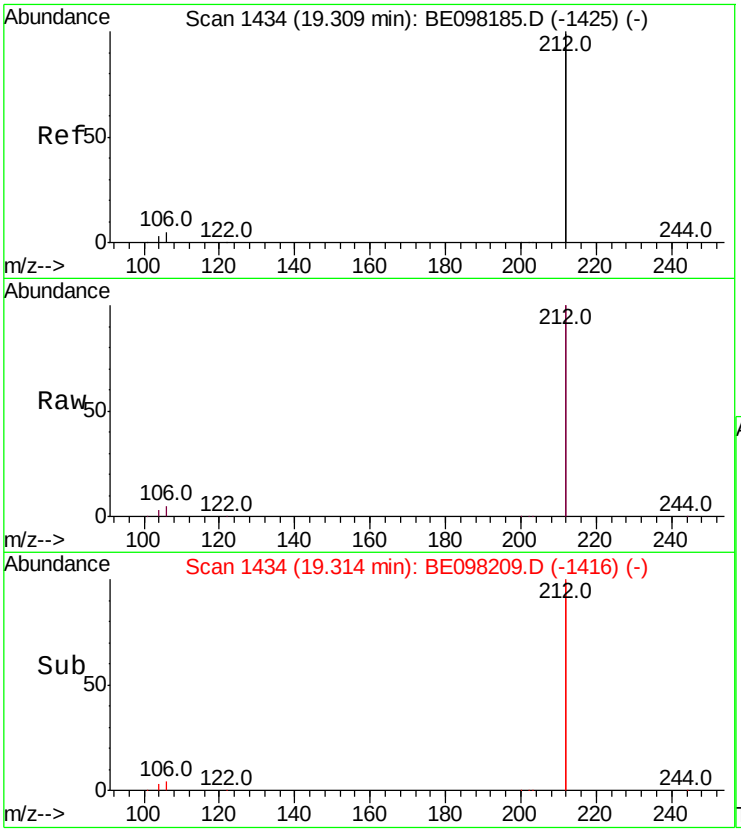


#24
Anthracene
Concen: 0.385 ng
RT: 17.42 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:178 Resp: 9288

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	14.9	12.1	18.1



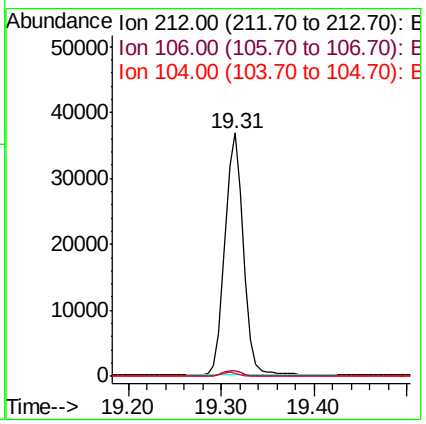


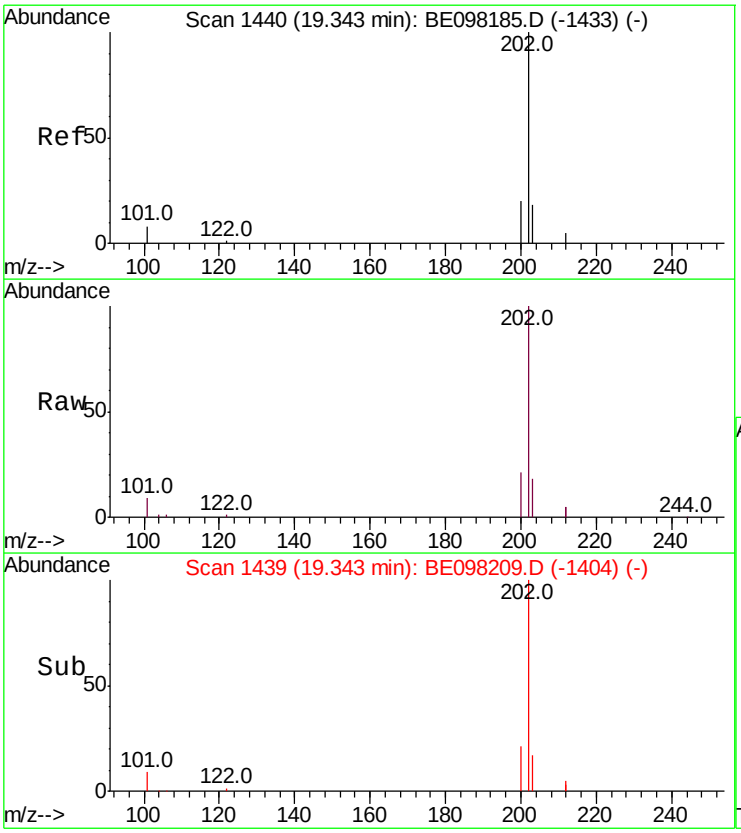
#25
Fluoranthene-d10
Concen: 0.391 ng
RT: 19.31 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:212 Resp: 50666

Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.8	2.8
104	1.4	1.1	1.7

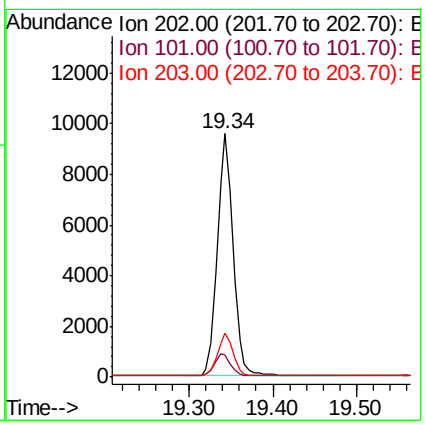


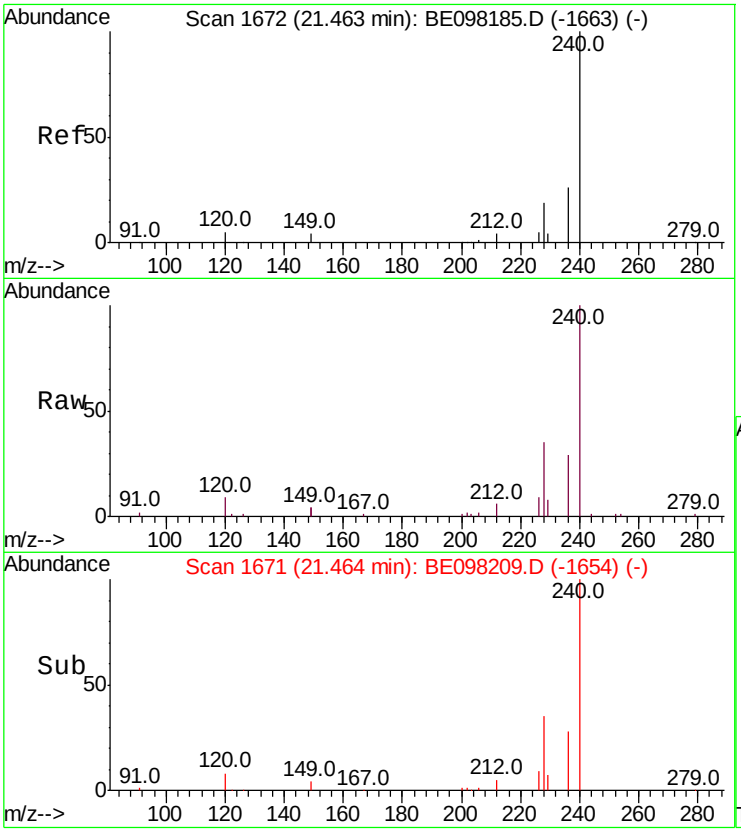


#26
Fluoranthene
Concen: 0.392 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:202 Resp: 12549

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.0	10.6
203	17.1	13.7	20.5



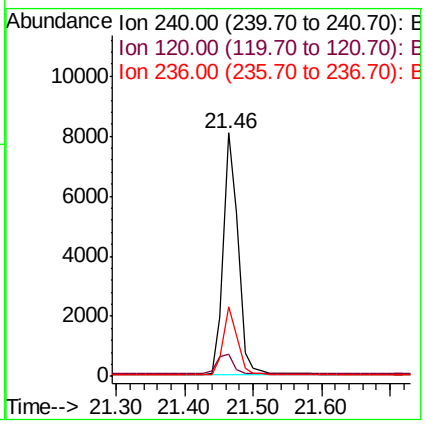


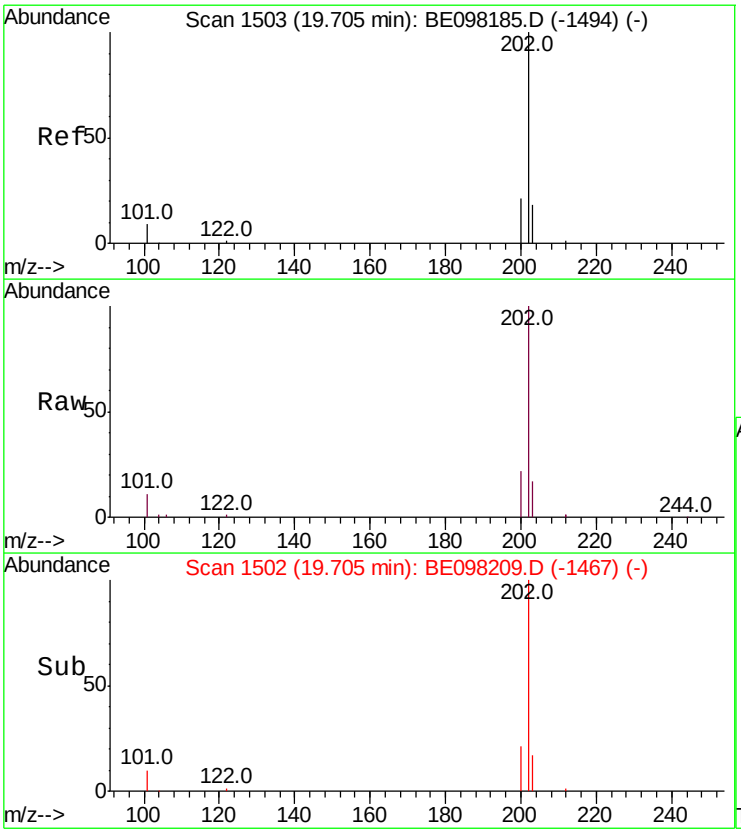
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:240 Resp: 12256

Ion	Ratio	Lower	Upper
240	100		
120	9.3	4.8	7.2#
236	28.5	21.4	32.0

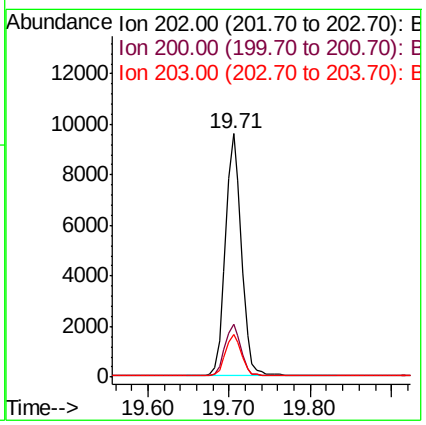


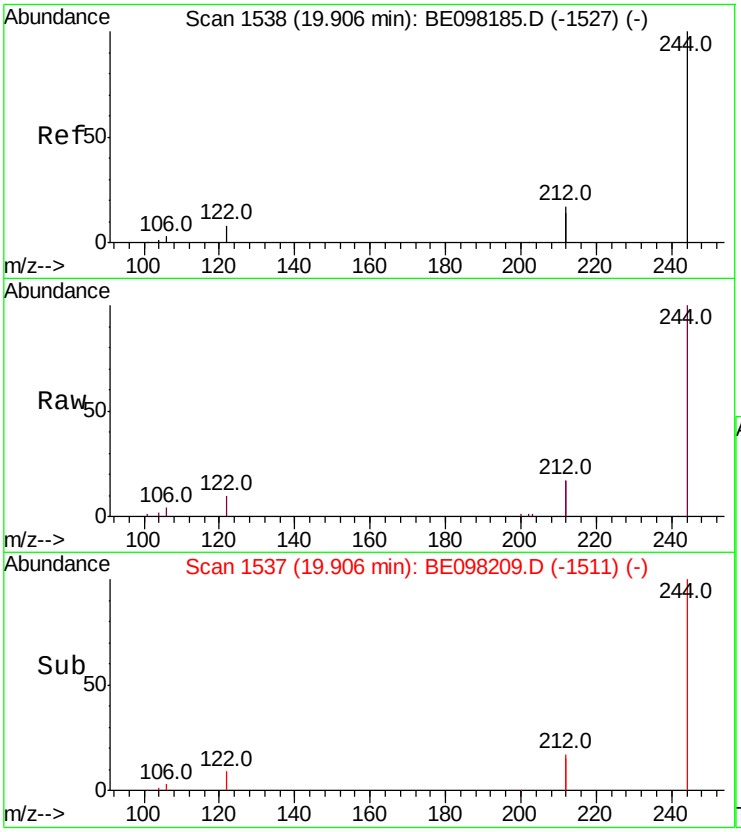


#28
Pyrene
Concen: 0.389 ng
RT: 19.71 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:202 Resp: 13109

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.3	14.2	21.4



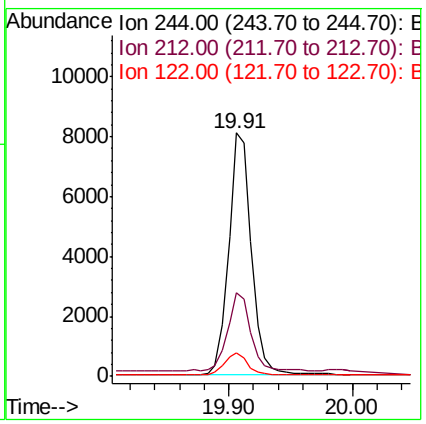


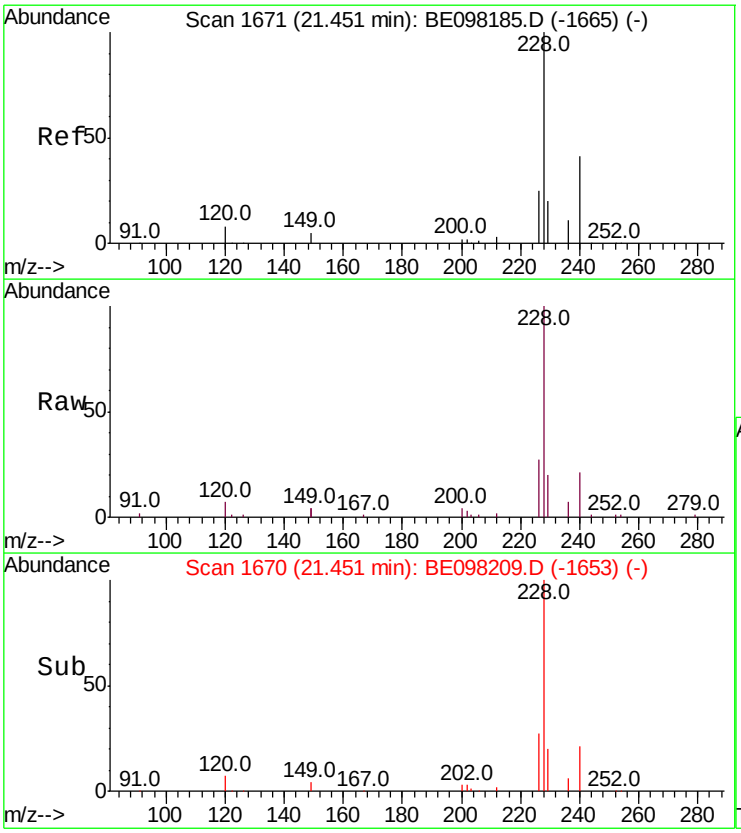
#29
Terphenyl-d14
Concen: 0.370 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:244 Resp: 10301

Ion	Ratio	Lower	Upper
244	100		
212	34.5	26.8	40.2
122	9.8	7.0	10.6

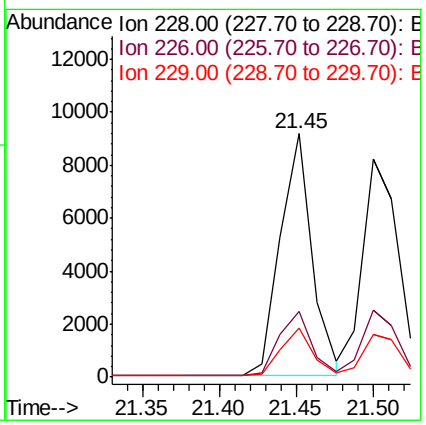


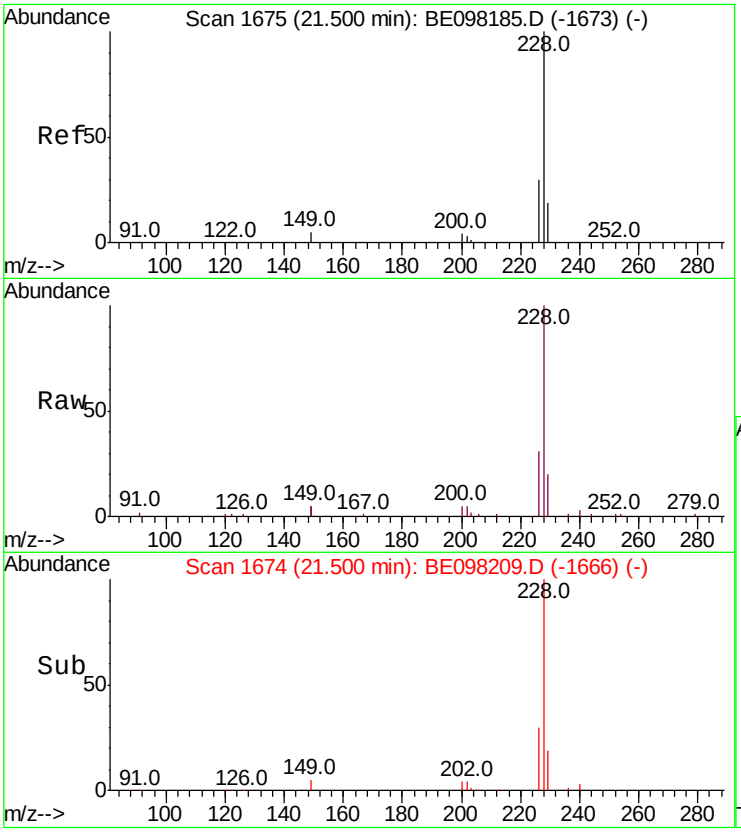


#30
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:228 Resp: 13156

Ion	Ratio	Lower	Upper
228	100		
226	27.2	20.7	31.1
229	20.4	16.2	24.4



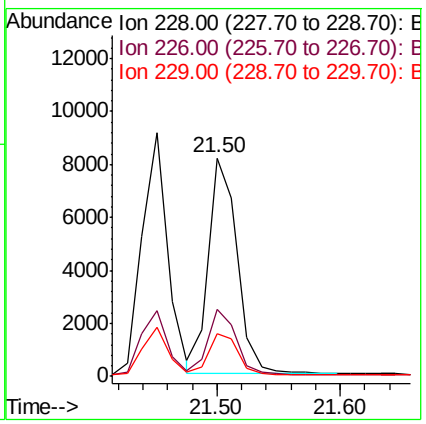


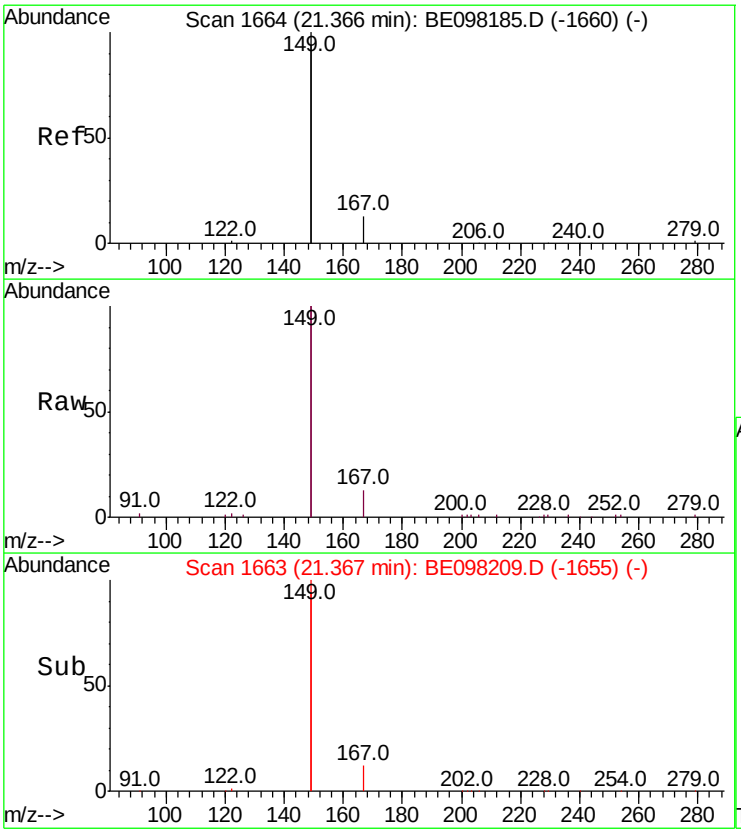
#31
Chrysene
Concen: 0.374 ng
RT: 21.50 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:228 Resp: 13235

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	36.8
229	19.7	16.0	24.0

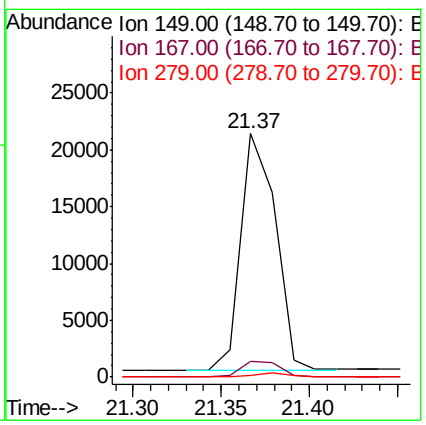


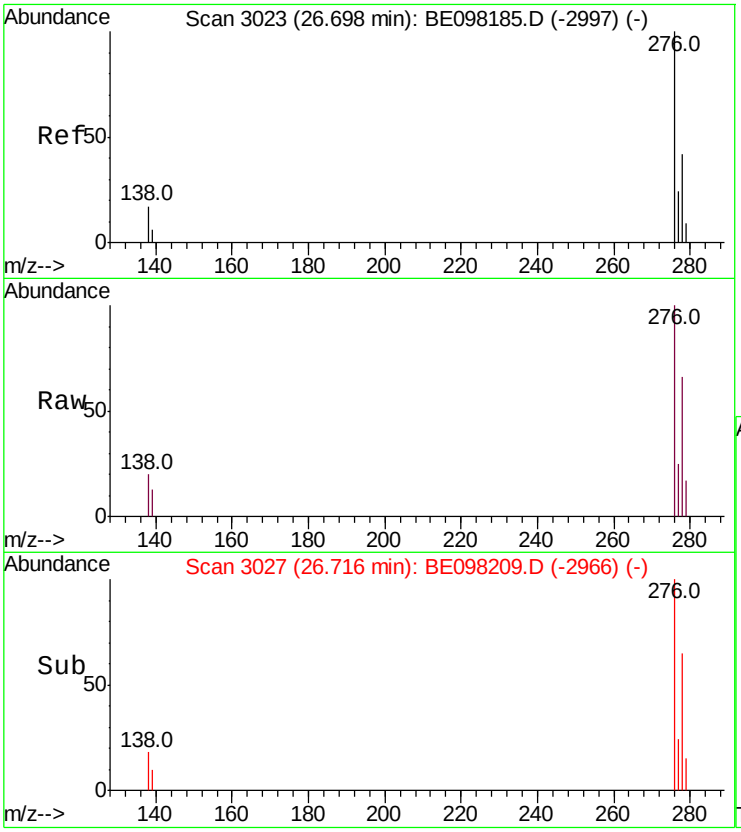


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.396 ng
RT: 21.37 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:149 Resp: 28651

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.6	8.4
279	1.1	0.9	1.3



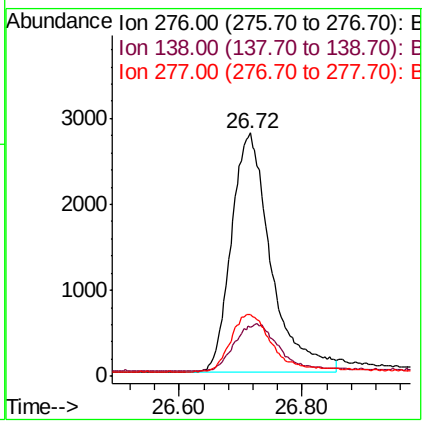


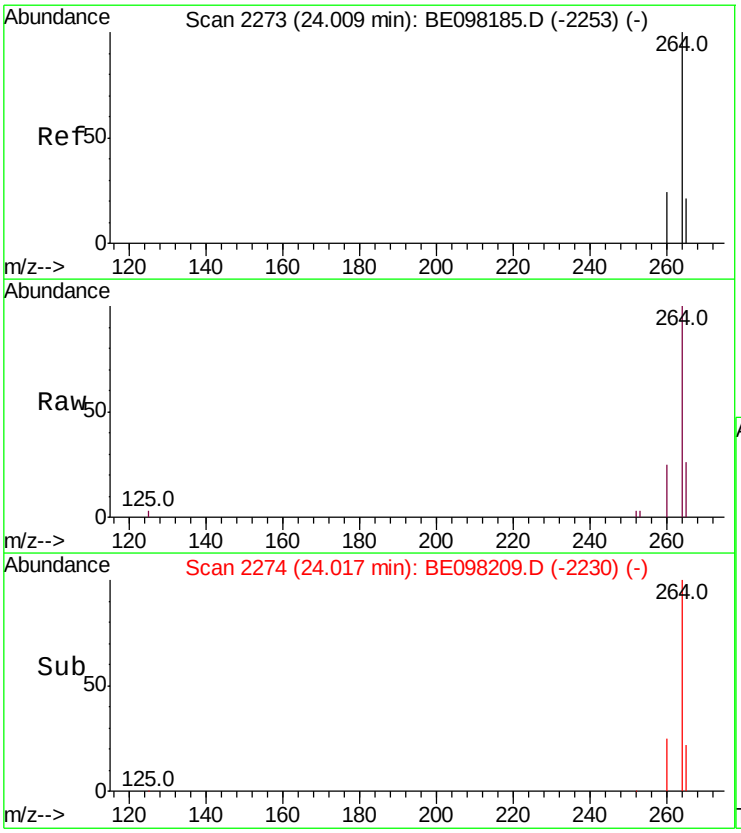
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.383 ng
RT: 26.72 min Scan# 3027
Delta R.T. 0.02 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:276 Resp: 12413

Ion	Ratio	Lower	Upper
276	100		
138	22.0	6.4	9.6#
277	25.0	18.9	28.3

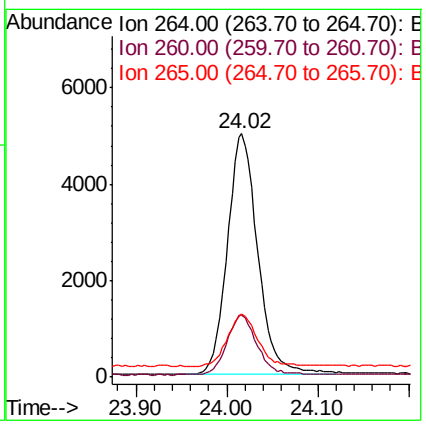


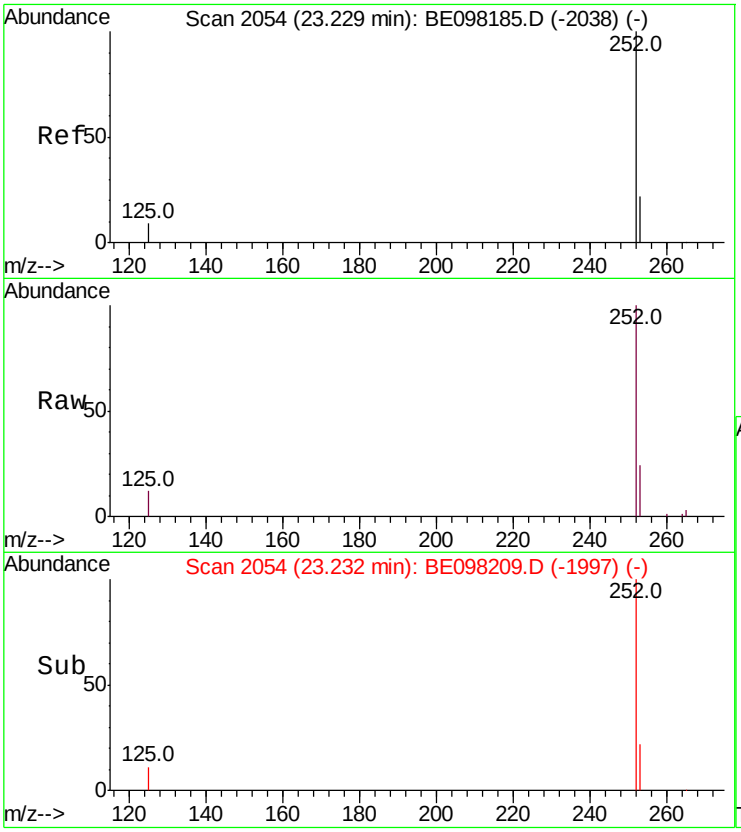


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:264 Resp: 11598

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.9	29.9
265	25.7	21.3	31.9



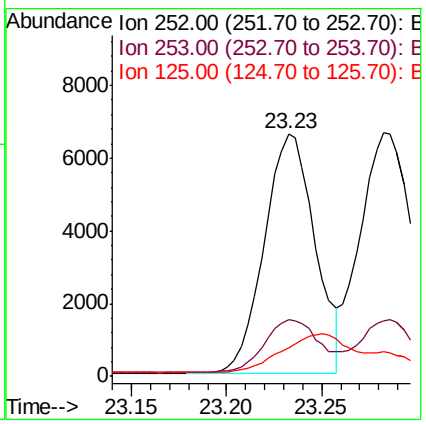


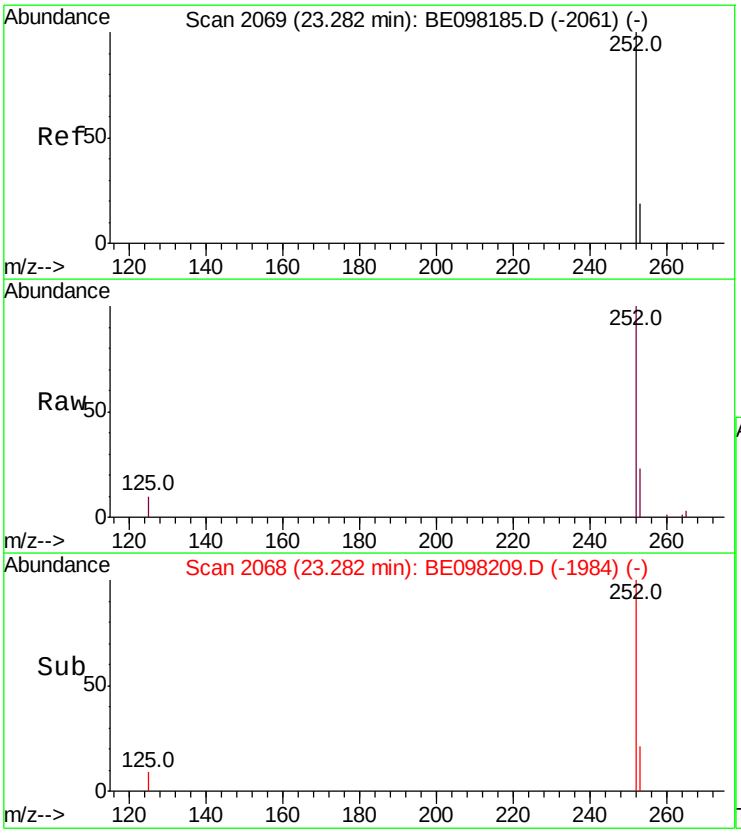
#35
Benzo(b)fluoranthene
Concen: 0.372 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:252 Resp: 12250

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.4	29.0
125	12.0	8.6	12.8

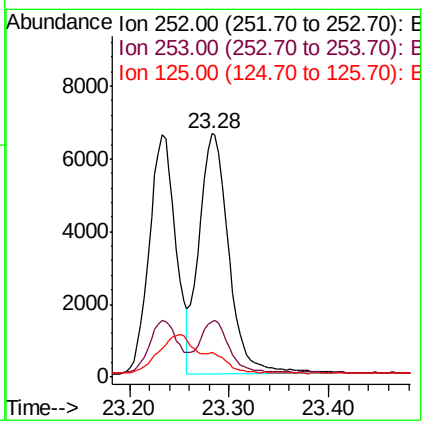


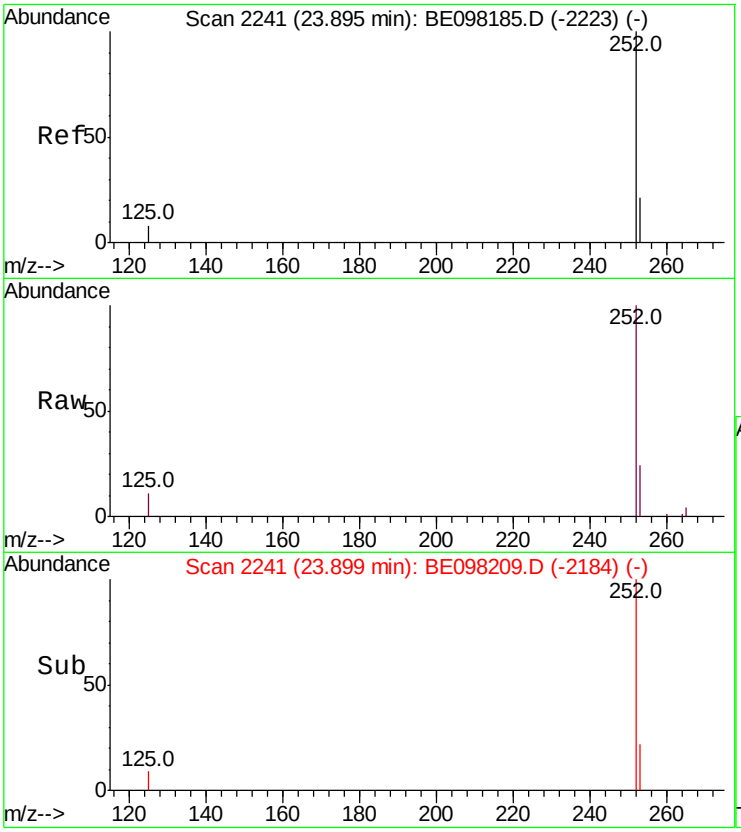


#36
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 23.28 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:252 Resp: 13577

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	28.0
125	10.3	7.4	11.0



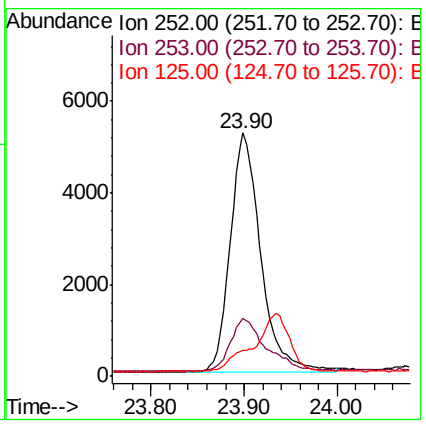


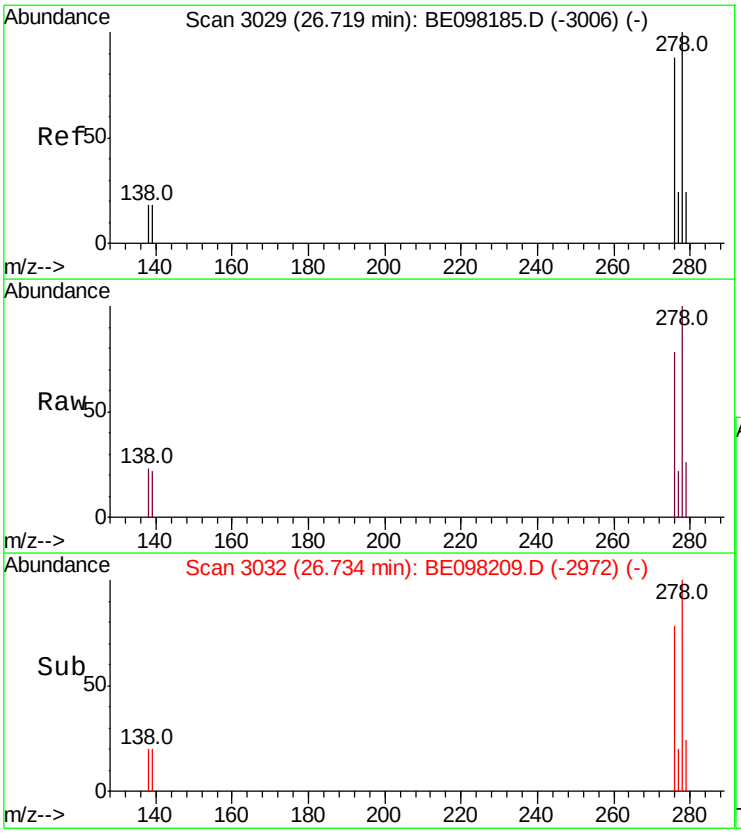
#37
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.90 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:252 Resp: 12040

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.6	27.8
125	10.8	8.0	12.0

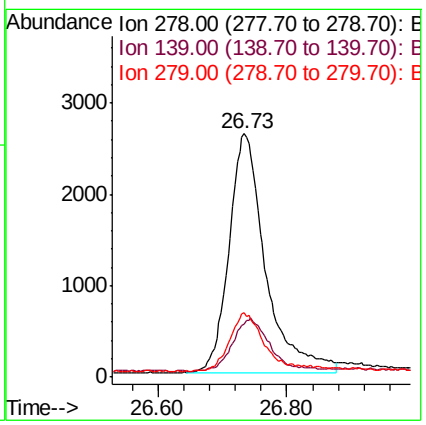


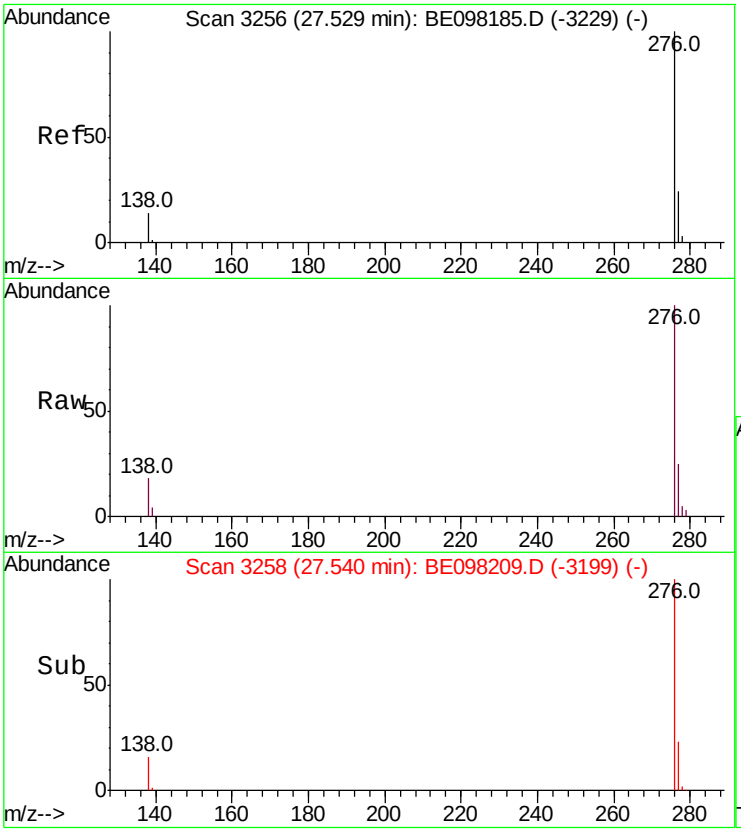


#38
Dibenzo(a,h)anthracene
Concen: 0.384 ng
RT: 26.73 min Scan# 3032
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Tgt Ion:278 Resp: 10328

Ion	Ratio	Lower	Upper
278	100		
139	22.0	16.4	24.6
279	26.4	21.3	31.9





#39
Benzo(g,h,i)perylene
Concen: 0.380 ng
RT: 27.54 min Scan# 3258
Delta R.T. 0.01 min
Lab File: BE098209.D
Acq: 13 Nov 2018 11:11

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tgt Ion:276 Resp: 10668

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.4	30.6
138	18.3	13.2	19.8