Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE110818\
Data File : BE098179.D
Acq On : 8 Nov 2018 9:28
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Nov 09 09:48:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1092	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	5440	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	3547	0.40	ng		-0.01
19) Phenanthrene-d10	17.28	188	8080	0.40	ng		0.00
27) Chrysene-d12	21.46	240	9294	0.40	ng		0.00
34) Perylene-d12	24.01	264	8868	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	1292	0.40	ng		0.00
5) Phenol-d6	7.04	99	2083	0.39	ng		0.00
8) Nitrobenzene-d5	9.02	82	2292	0.39	ng		-0.01
11) 2-Methylnaphthalene-d10	12.27	152	3836	0.40	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	554	0.33	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	5830	0.40	ng		-0.01
25) Fluoranthene-d10	19.31	212	41970	0.40	ng		0.00
29) Terphenyl-d14	19.91	244	8955	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	666	0.409	ng		96
3) n-Nitrosodimethylamine	3.69	42	859	0.395	ng	#	79
6) bis(2-Chloroethyl)ether	7.29	93	1566	0.401	ng		88
9) Naphthalene	10.72	128	22015	0.405	ng		100
10) Hexachlorobutadiene	11.00	225	1397	0.392	ng		98
12) 2-Methylnaphthalene	12.34	142	3968	0.409	ng		96
16) Acenaphthylene	14.26	152	6574	0.406	ng		99
17) Acenaphthene	14.60	154	3968	0.408	ng		99
18) Fluorene	15.58	166	5233	0.406	ng		98
20) 4-Bromophenyl-phenylether	16.47	248	2021	0.410	ng	#	81
21) Hexachlorobenzene	16.59	284	2172	0.422	ng		98
22) Pentachlorophenol	16.94	266	433	0.418	ng	#	85
23) Phenanthrene	17.33	178	8360	0.418	ng		99
24) Anthracene	17.41	178	7711	0.405	ng		99
26) Fluoranthene	19.34	202	10330	0.412	ng		96
28) Pyrene	19.70	202	10858	0.428	ng		99
30) Benzo(a)anthracene	21.45	228	11215	0.413	ng		98
31) Chrysene	21.50	228	11174	0.416	ng		98
32) Bis(2-ethylhexyl)phthalate	21.37	149	24653	0.260	ng		100
33) Indeno(1,2,3-cd)pyrene	26.70	276	10803	0.387	ng		96
35) Benzo(b)fluoranthene	23.23	252	10511	0.421	ng	#	91
36) Benzo(k)fluoranthene	23.28	252	10852	0.420	ng	#	89
37) Benzo(a)pyrene	23.90	252	10006	0.410	ng	#	89
38) Dibenzo(a,h)anthracene	26.73	278	9041	0.397	ng	#	94
39) Benzo(g,h,i)perylene	27.53	276	9036	0.399	ng	#	92

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

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Misc :
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Instrument :
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ClientSampleId :
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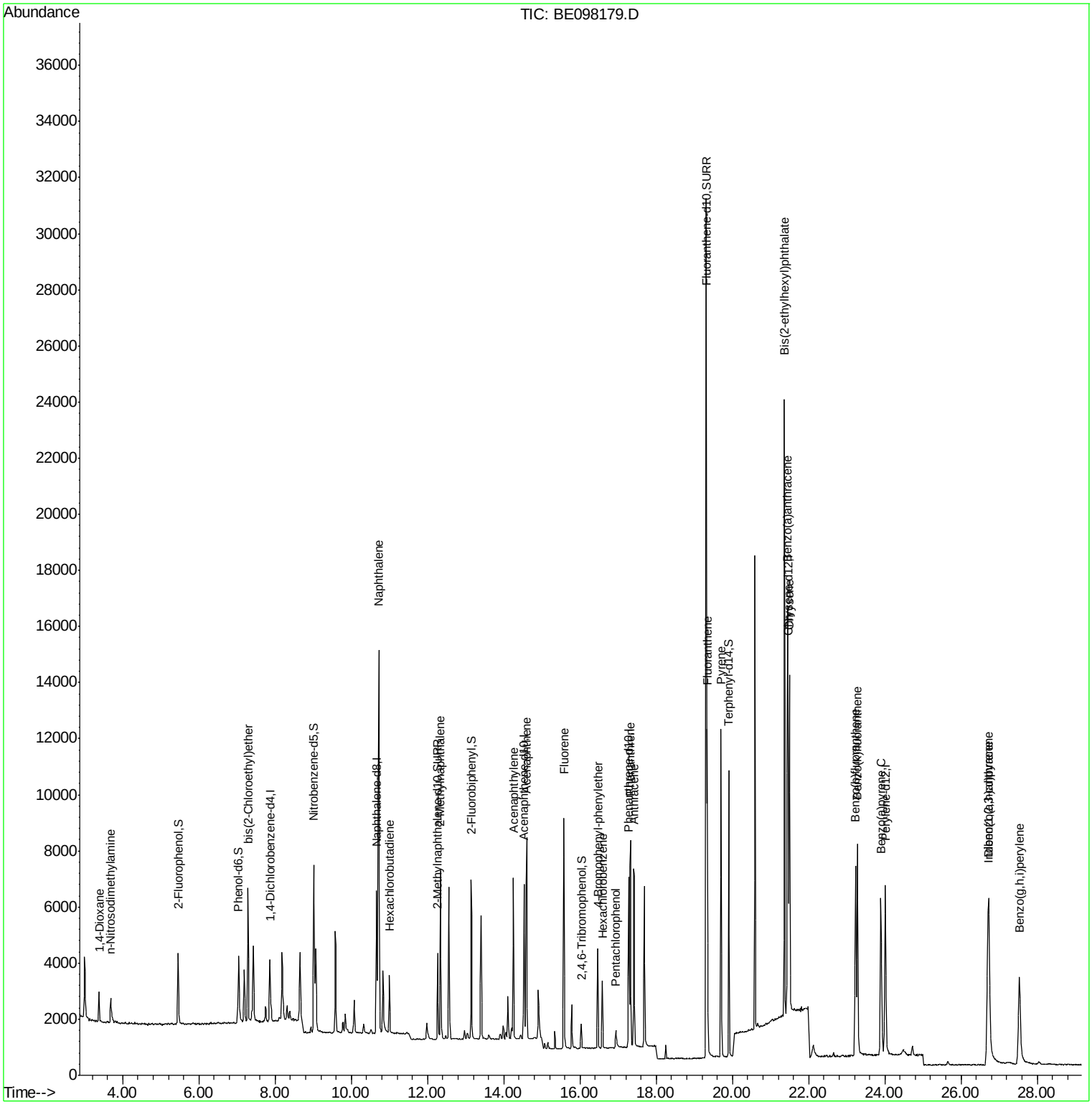
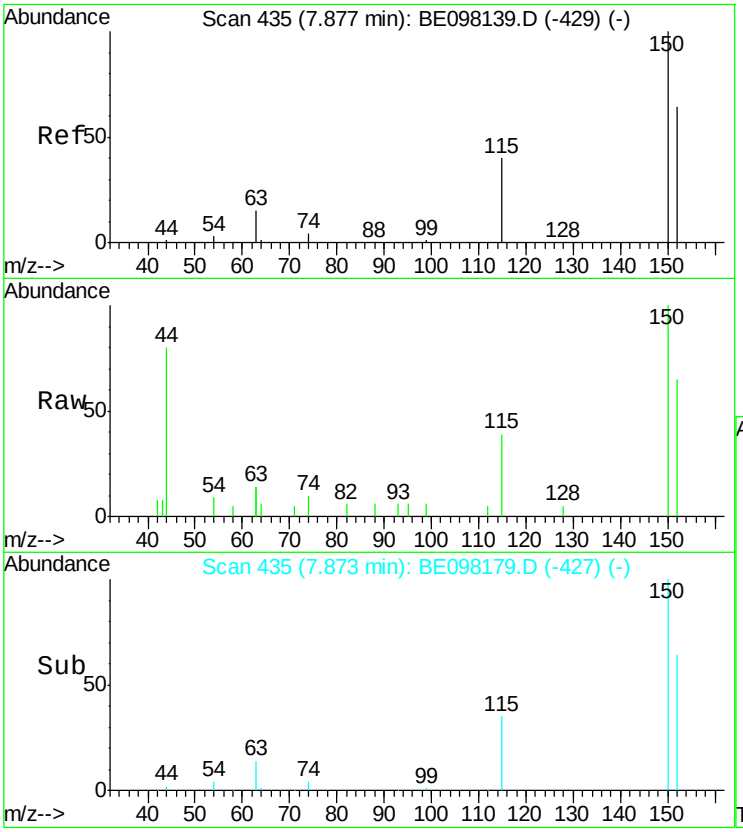
Quant Time: Nov 09 09:48:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration



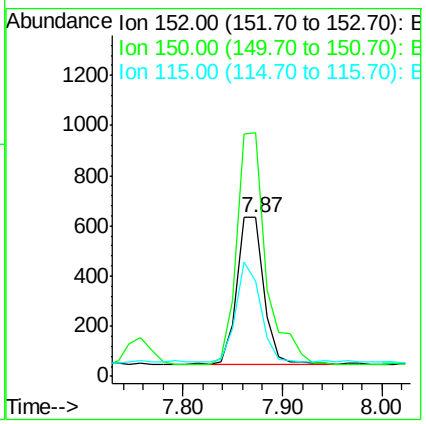


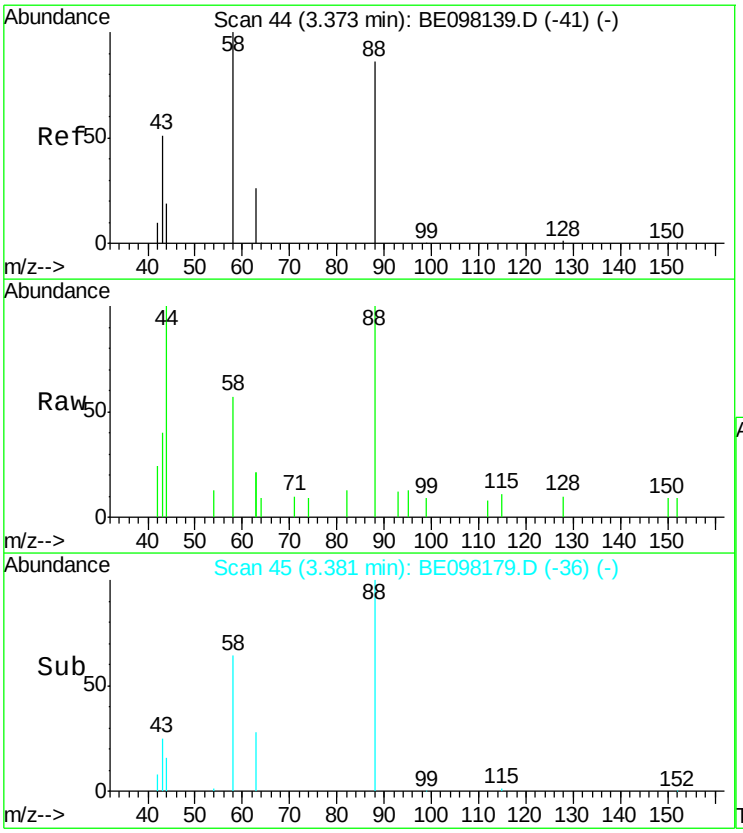
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1092

Ion	Ratio	Lower	Upper
152	100		
150	153.2	118.2	177.4
115	60.1	50.9	76.3

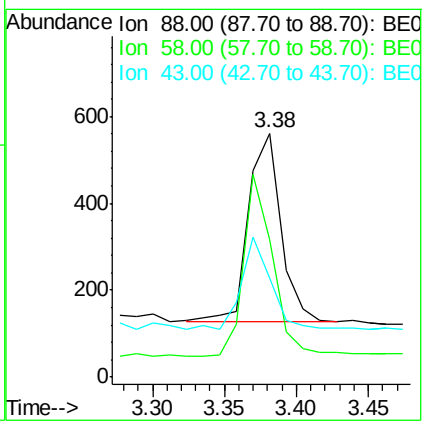


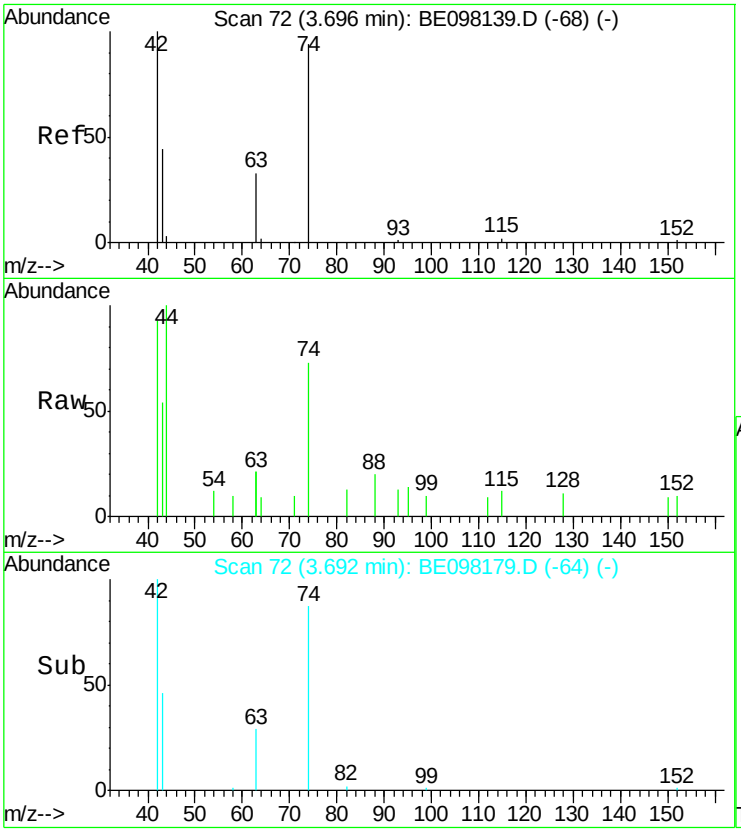


#2
1,4-Dioxane
Concen: 0.409 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion: 88 Resp: 666

Ion	Ratio	Lower	Upper
88	100		
58	87.2	73.2	109.8
43	44.9	36.9	55.3



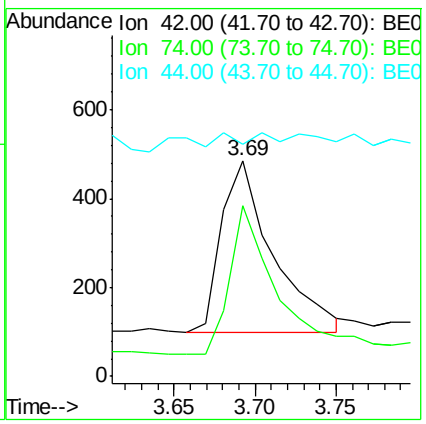


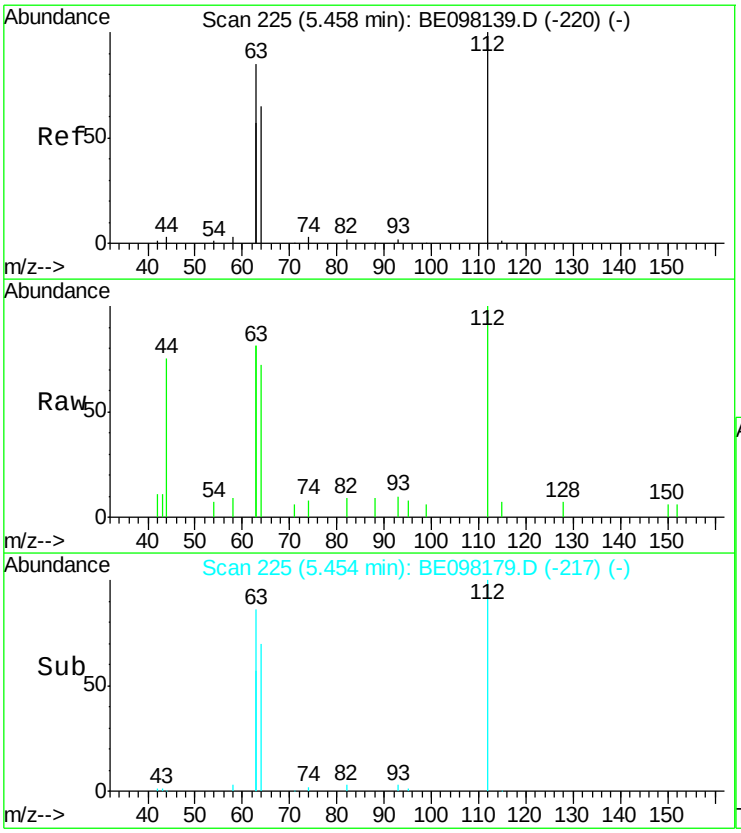
#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 859

Ion	Ratio	Lower	Upper
42	100		
74	76.1	77.6	116.4#
44	3.3	7.6	11.4#

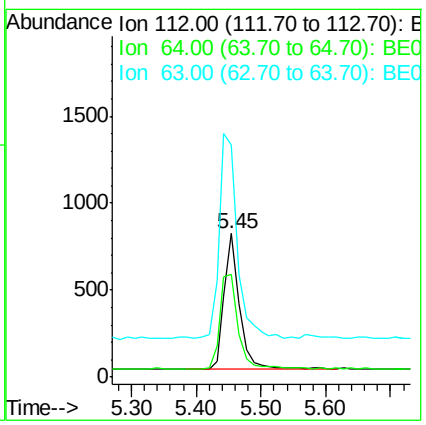


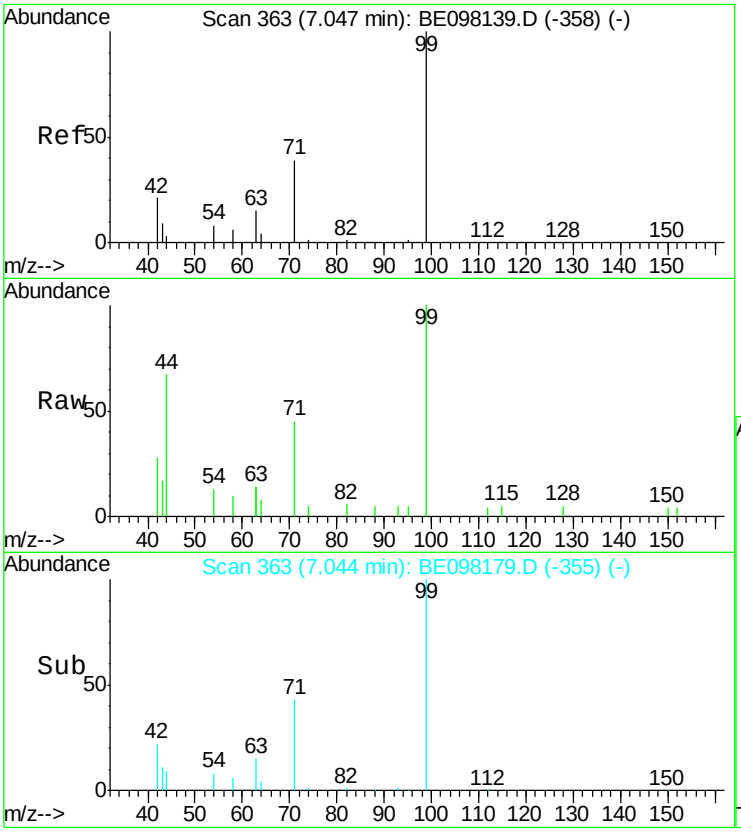


#4
2-Fluorophenol
Concen: 0.399 ng
RT: 5.45 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:112 Resp: 1292

Ion	Ratio	Lower	Upper
112	100		
64	84.1	58.9	88.3
63	178.1	120.3	180.5



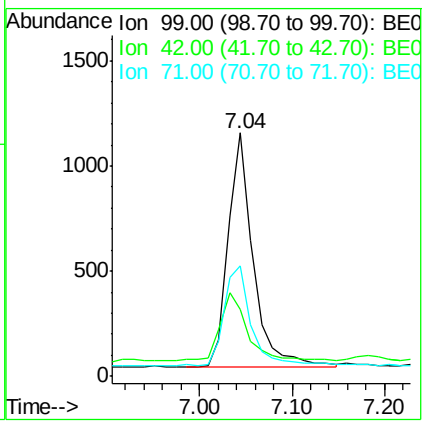


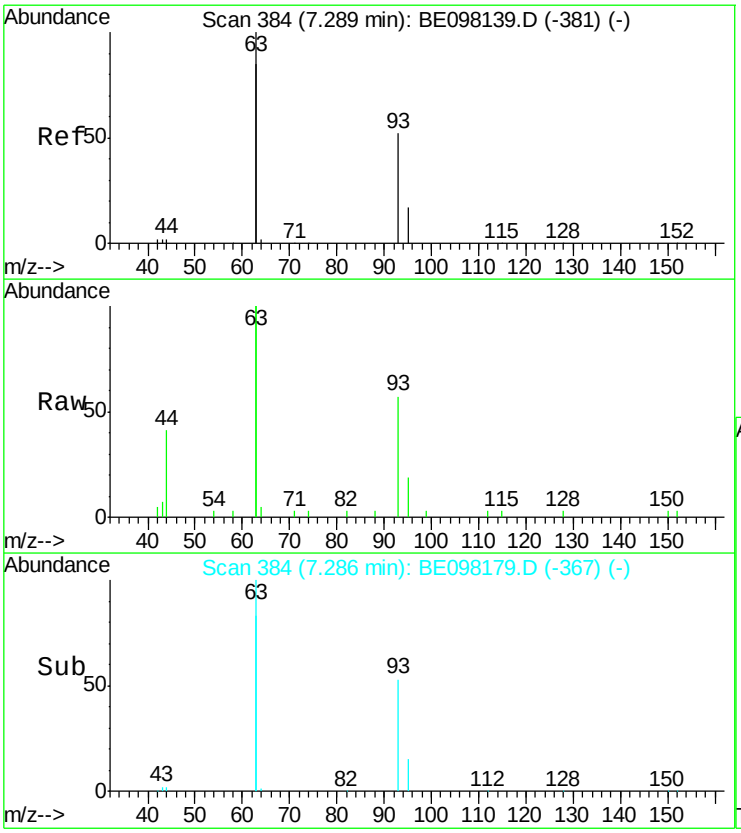
#5
Phenol-d6
Concen: 0.390 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2083

Ion	Ratio	Lower	Upper
99	100		
42	32.7	19.9	29.9#
71	49.0	27.8	41.8#

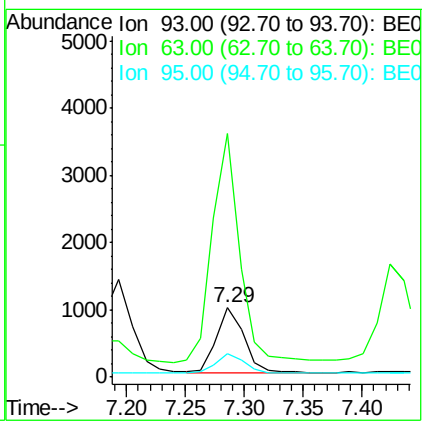


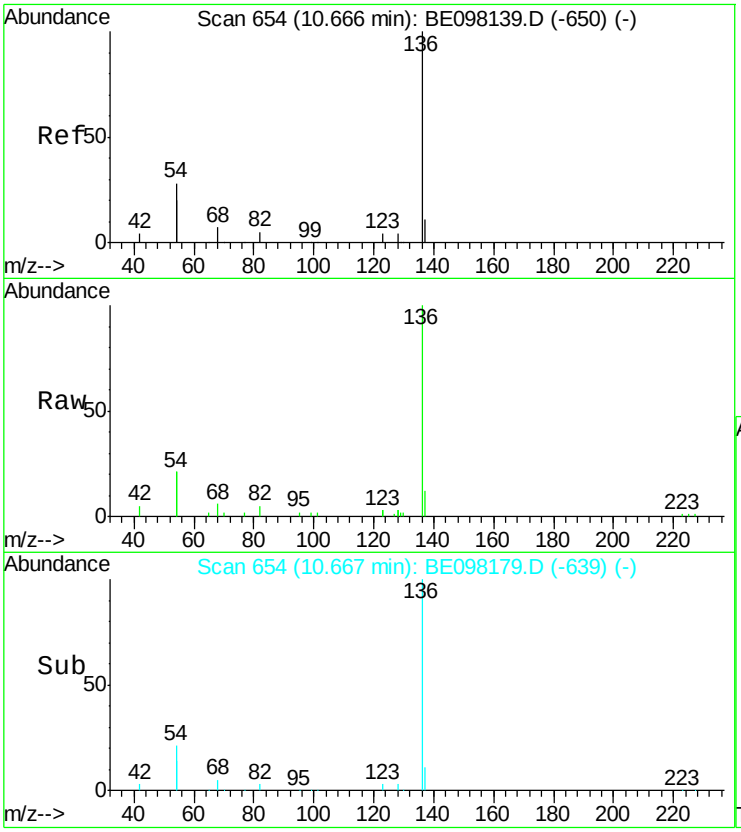


#6
bis(2-Chloroethyl)ether
Concen: 0.401 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion: 93 Resp: 1566

Ion	Ratio	Lower	Upper
93	100		
63	350.5	259.0	388.4
95	33.8	27.8	41.8



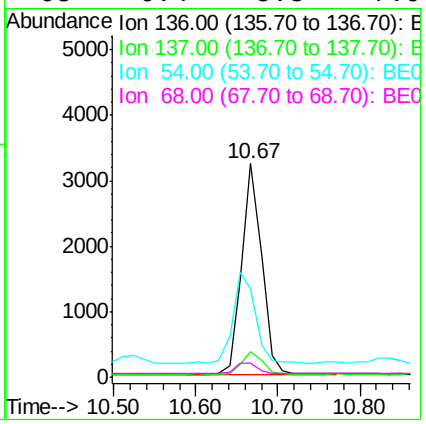


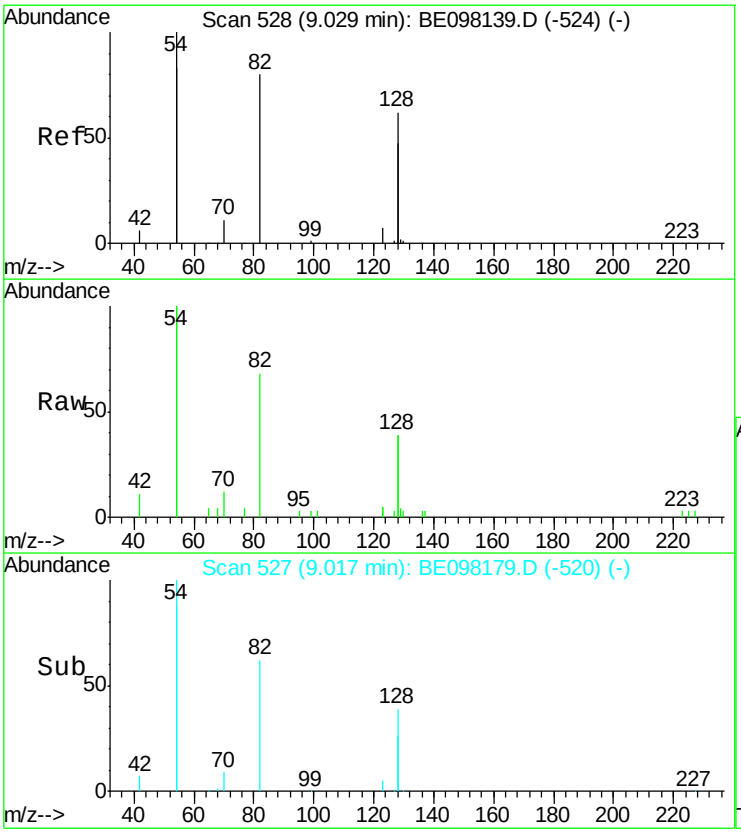
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5440

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	41.5	27.7	41.5
68	6.4	5.3	7.9

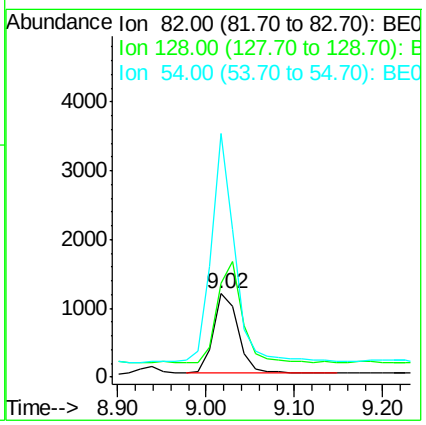


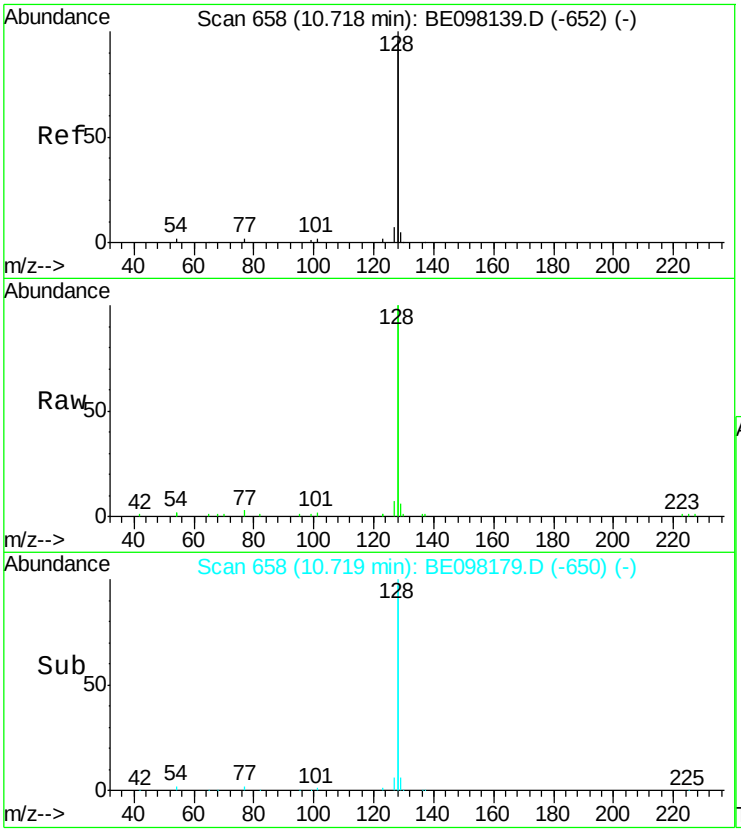


#8
Nitrobenzene-d5
Concen: 0.393 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.01 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion: 82 Resp: 2292

Ion	Ratio	Lower	Upper
82	100		
128	113.2	129.9	194.9#
54	292.1	174.0	261.0#



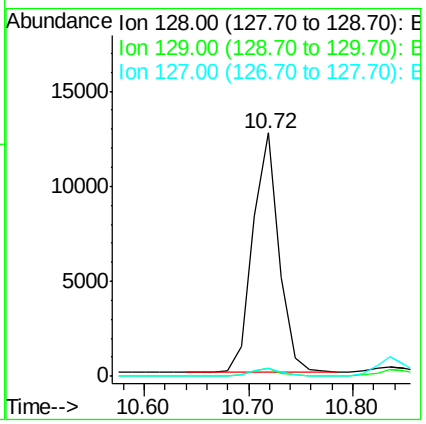


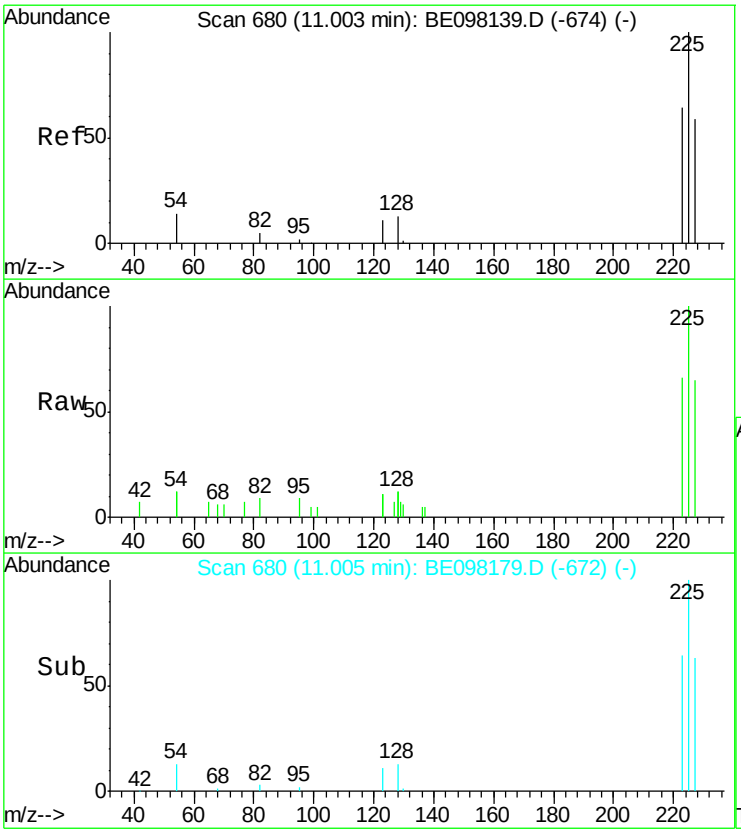
#9
Naphthalene
Concen: 0.405 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 22015

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.5	3.7
127	3.6	2.8	4.2

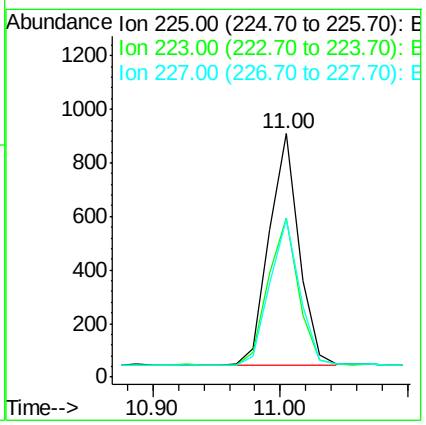


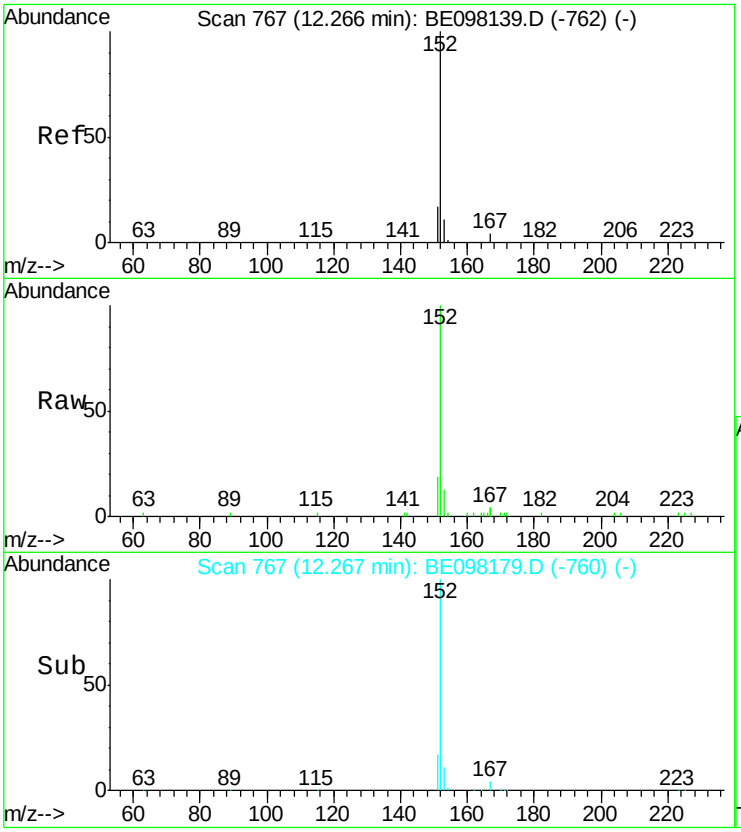


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 11.00 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:225 Resp: 1397

Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.8	77.8
227	63.4	53.0	79.6



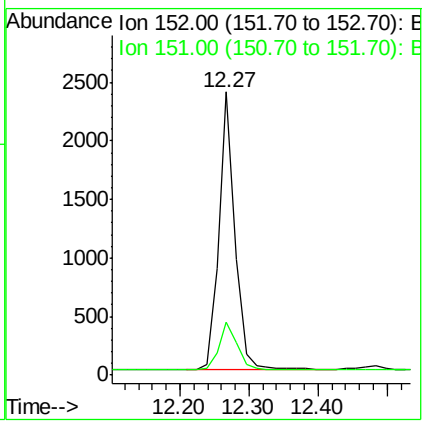


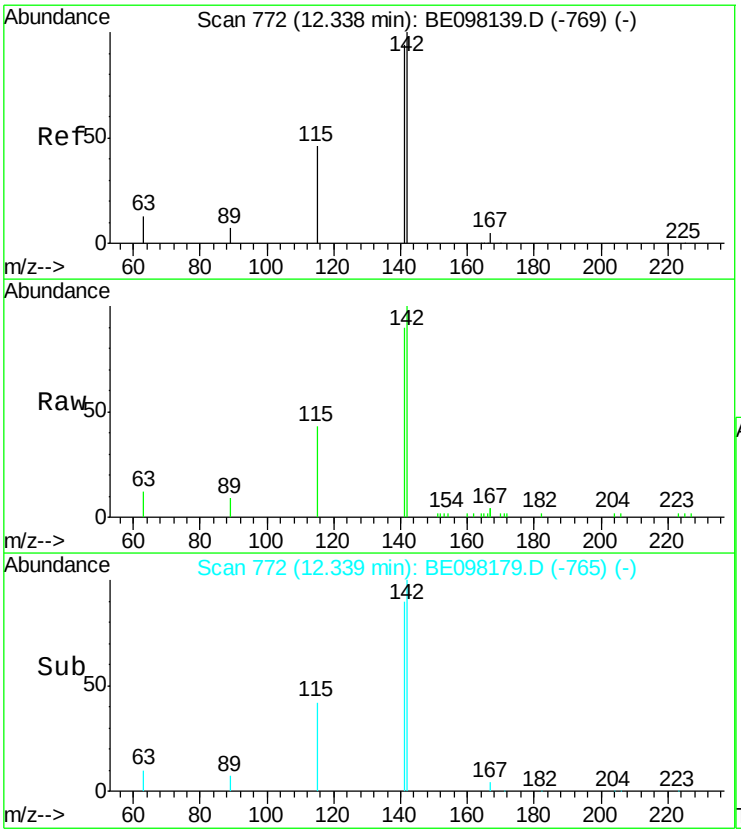
#11
2-Methylnaphthalene-d10
Concen: 0.400 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3836

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4

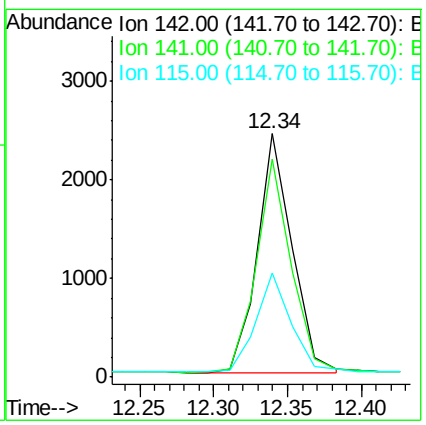


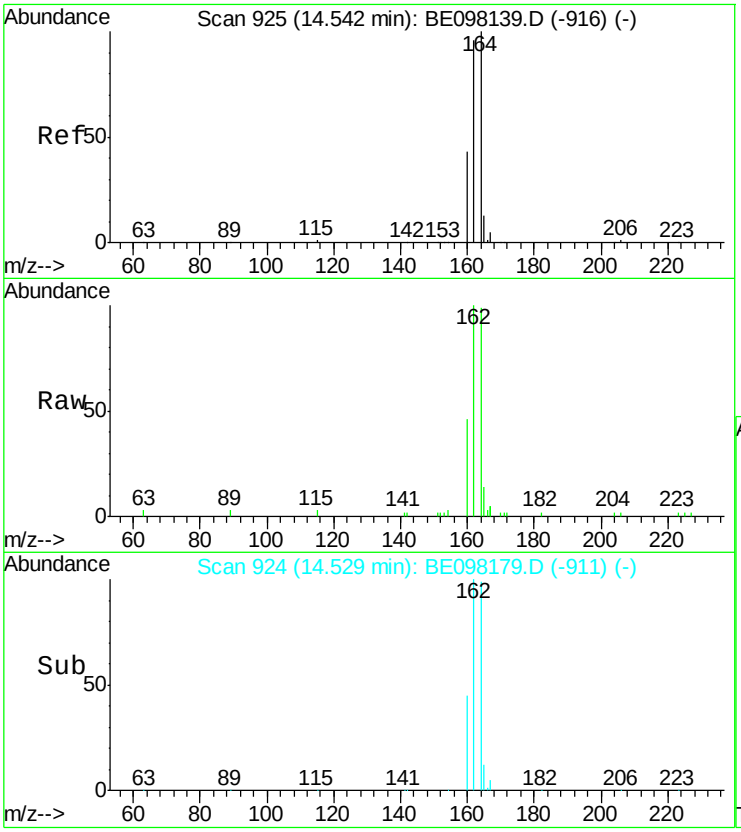


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:142 Resp: 3968

Ion	Ratio	Lower	Upper
142	100		
141	89.7	69.8	104.6
115	42.9	30.5	45.7



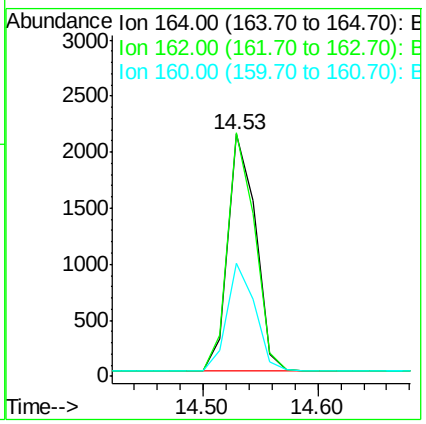


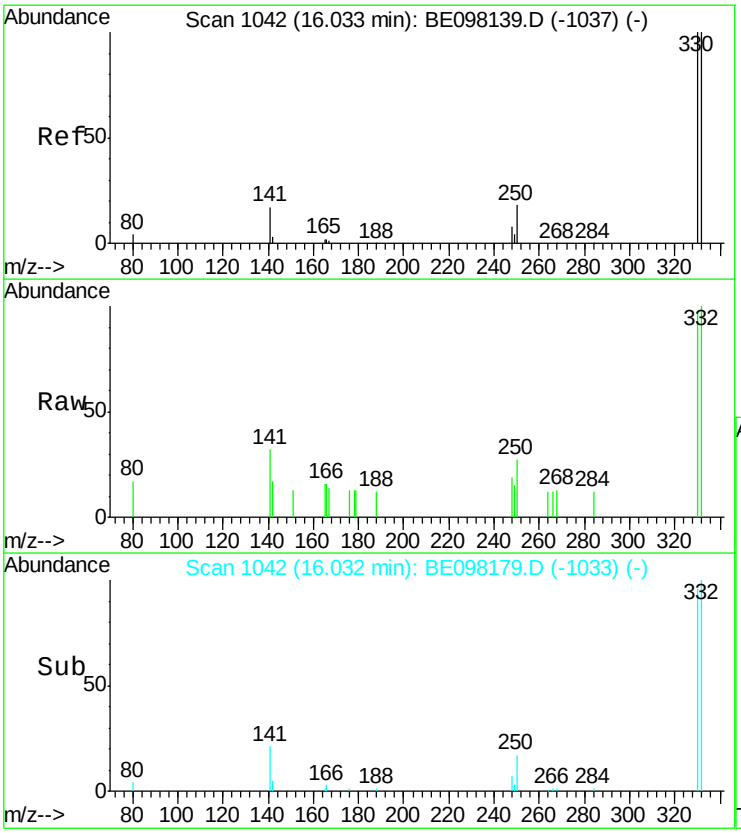
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3547

Ion	Ratio	Lower	Upper
164	100		
162	100.6	77.4	116.2
160	46.5	36.5	54.7

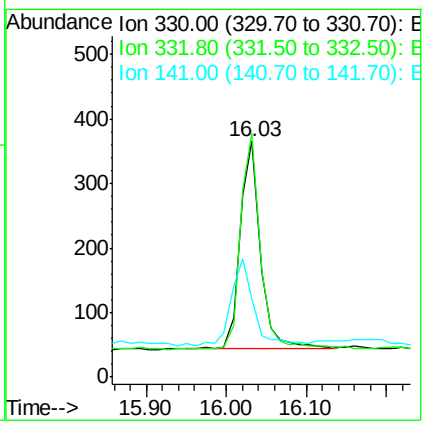


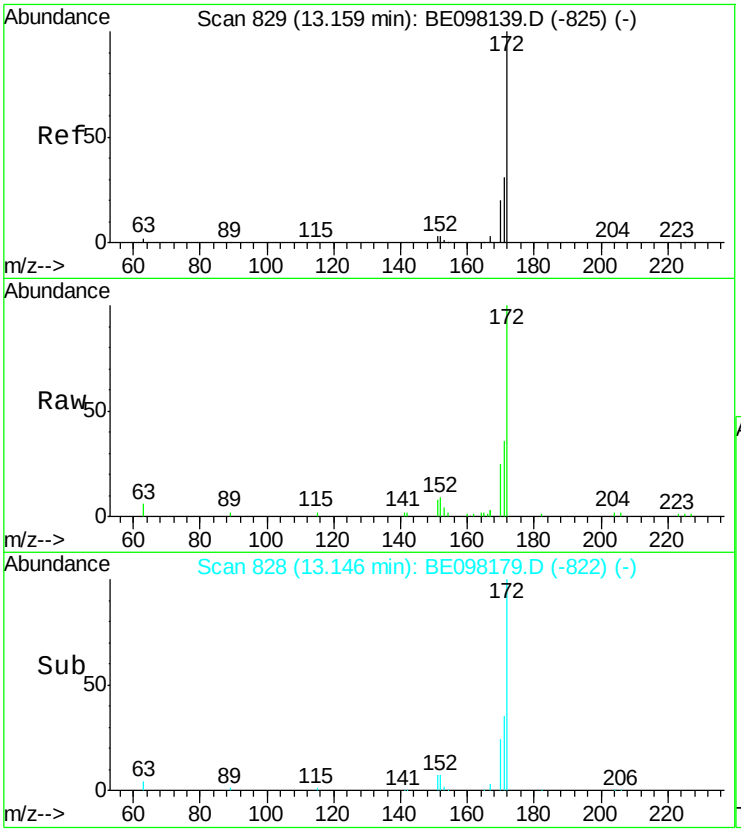


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:330 Resp: 554

Ion	Ratio	Lower	Upper
330	100		
332	103.1	76.5	114.7
141	49.6	31.8	47.6#



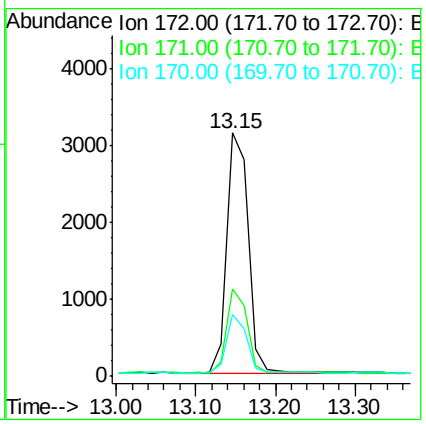


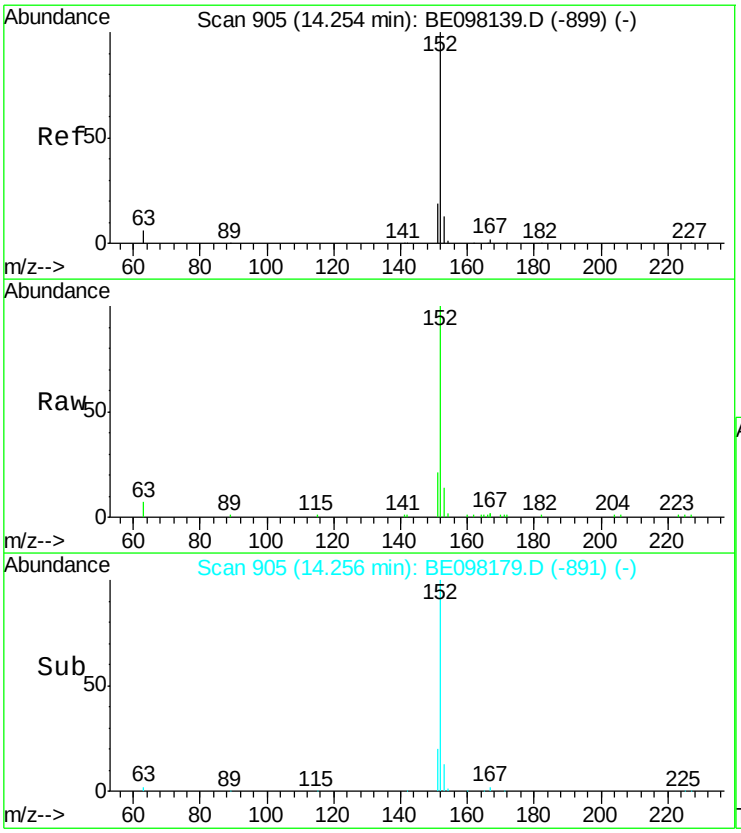
#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.01 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5830

Ion	Ratio	Lower	Upper
172	100		
171	35.9	26.0	39.0
170	25.4	18.0	27.0

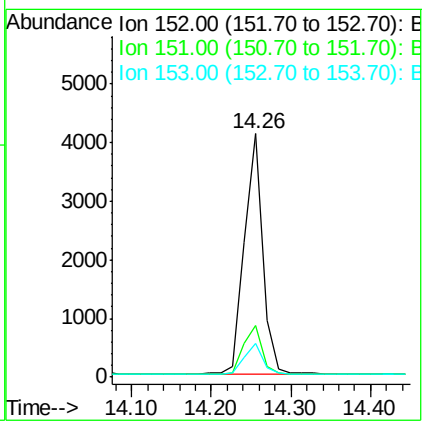


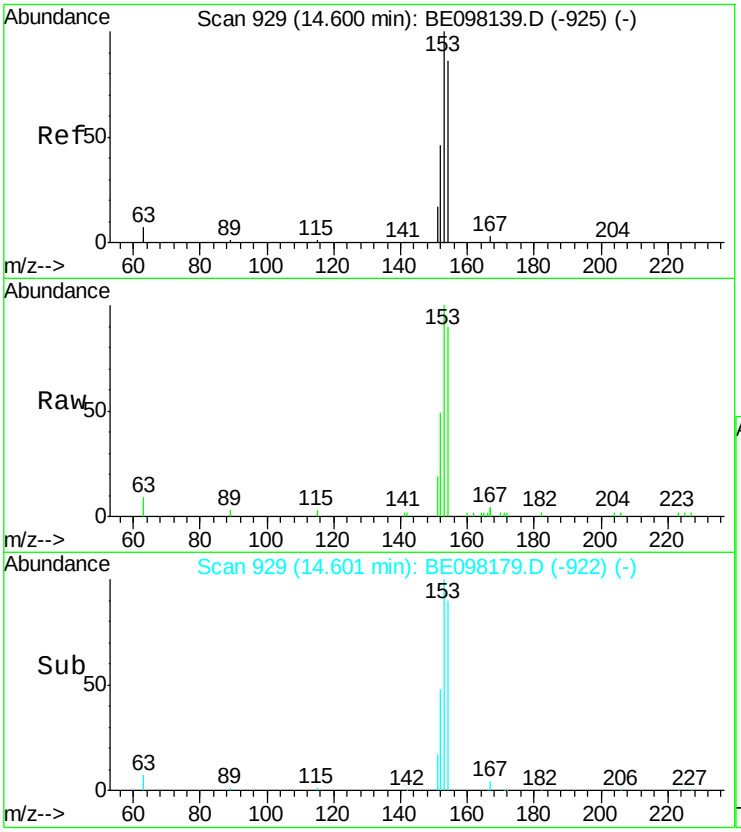


#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.26 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:152 Resp: 6574

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1
153	13.1	10.9	16.3



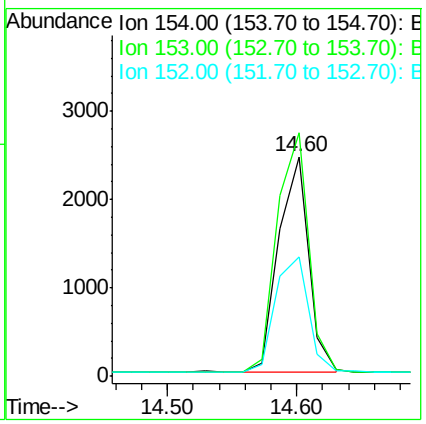


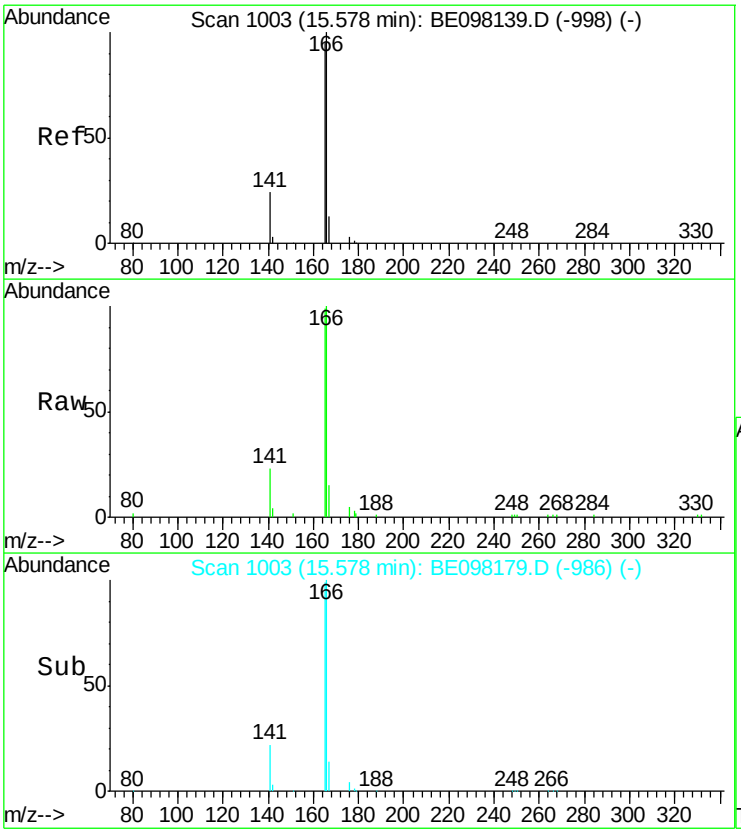
#17
Acenaphthene
Concen: 0.408 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3968

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.6	139.0
152	58.6	45.5	68.3

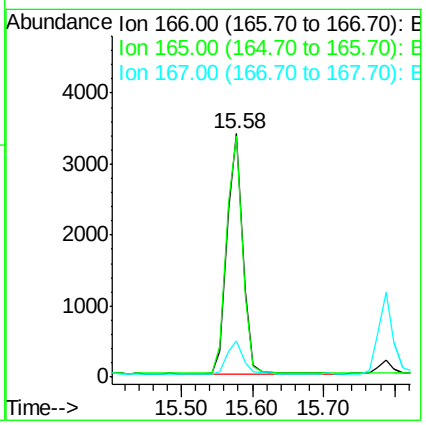


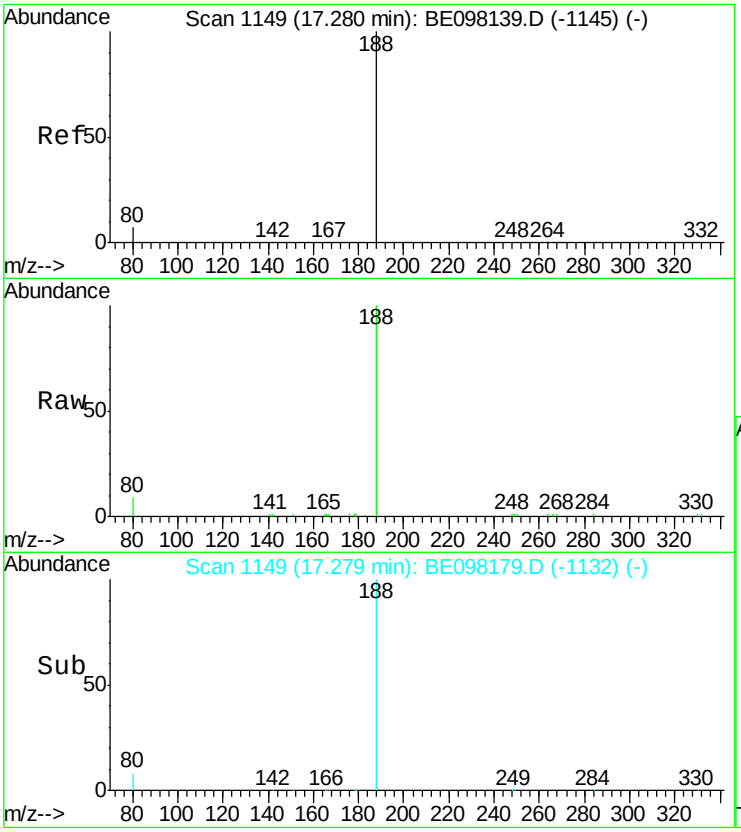


#18
Fluorene
Concen: 0.406 ng
RT: 15.58 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:166 Resp: 5233

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.2	117.4
167	13.7	11.0	16.6



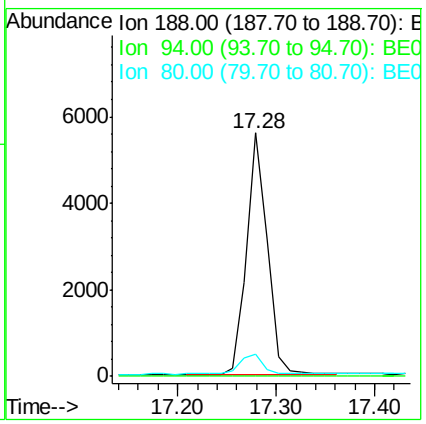


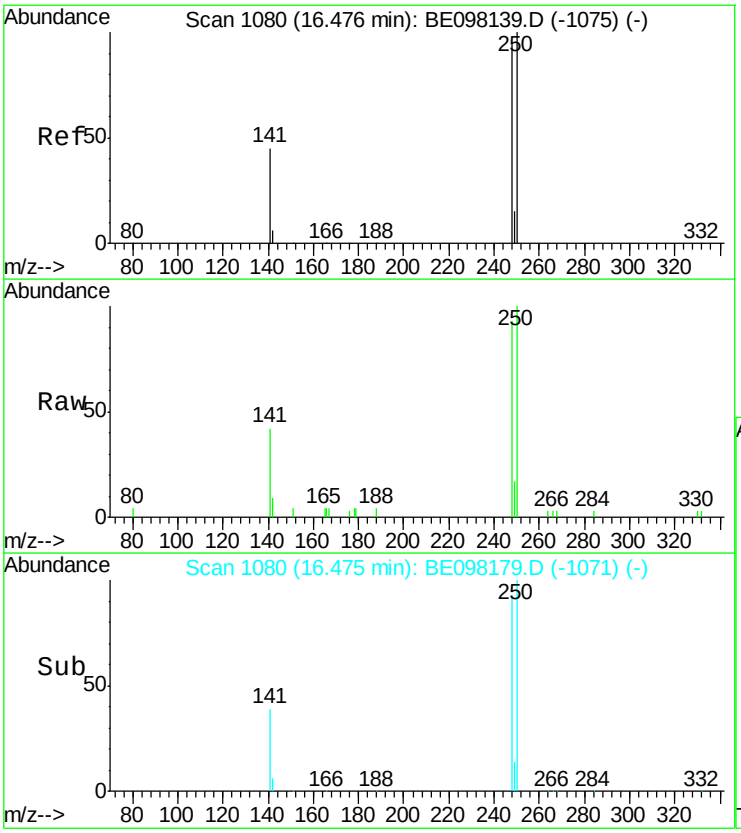
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 8080

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	6.3	9.5

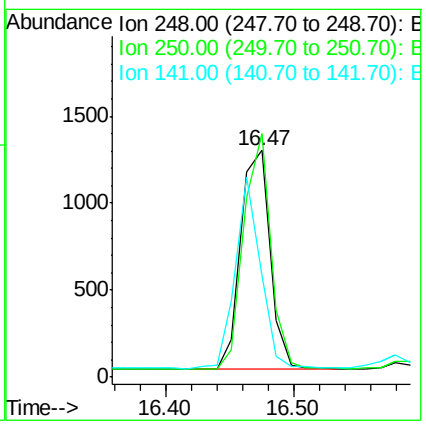


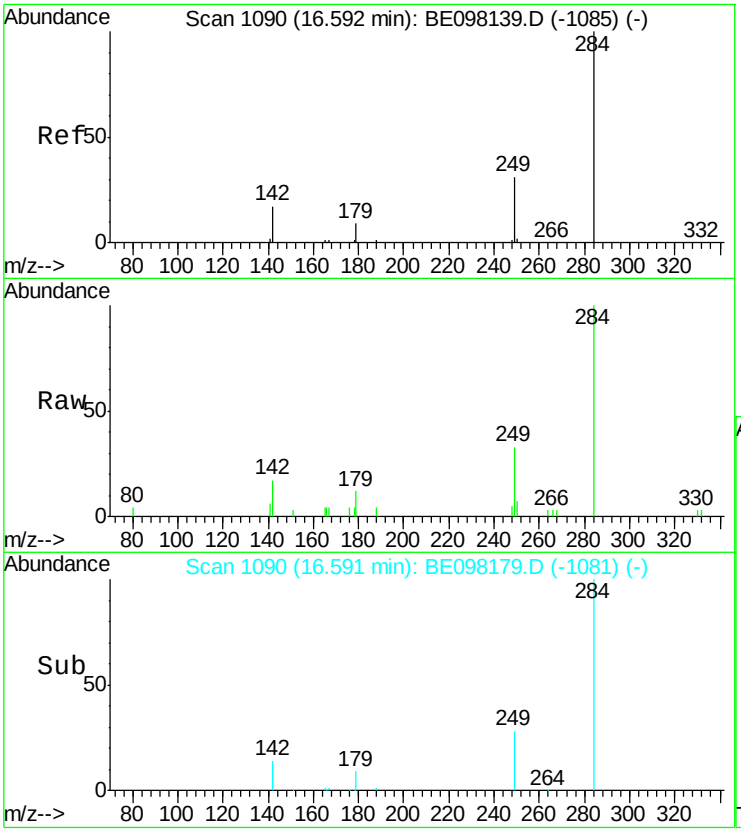


#20
4-Bromophenyl-phenylether
Concen: 0.410 ng
RT: 16.47 min Scan# 1080
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:248 Resp: 2021

Ion	Ratio	Lower	Upper
248	100		
250	107.4	75.1	112.7
141	44.8	51.8	77.8#



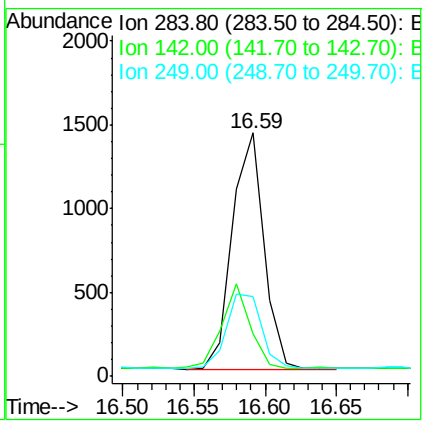


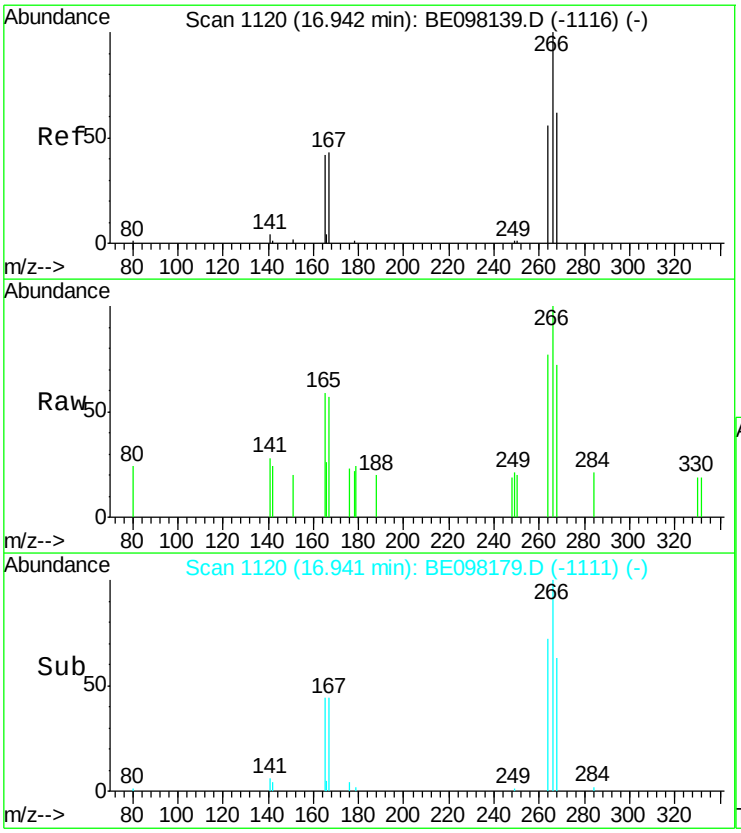
#21
Hexachlorobenzene
Concen: 0.422 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2172

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.9	38.9
249	35.2	26.6	40.0

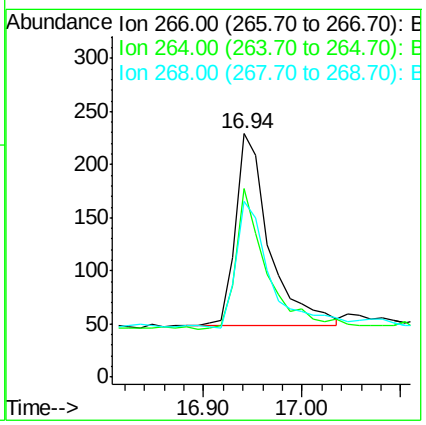


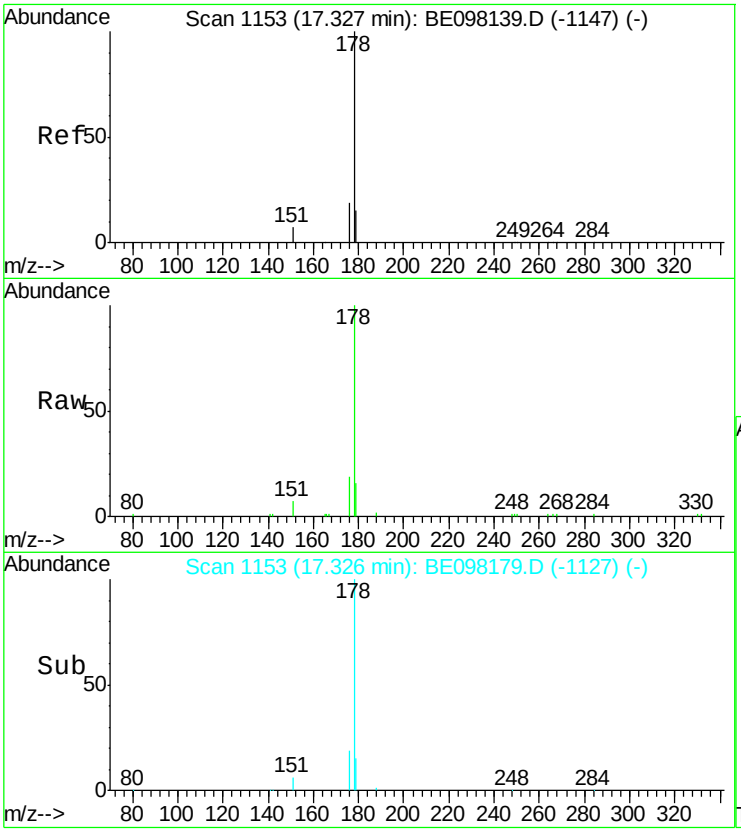


#22
Pentachlorophenol
Concen: 0.418 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:266 Resp: 433

Ion	Ratio	Lower	Upper
266	100		
264	77.3	51.3	76.9#
268	72.1	50.1	75.1



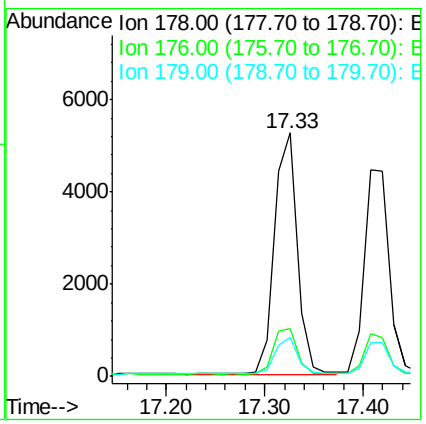


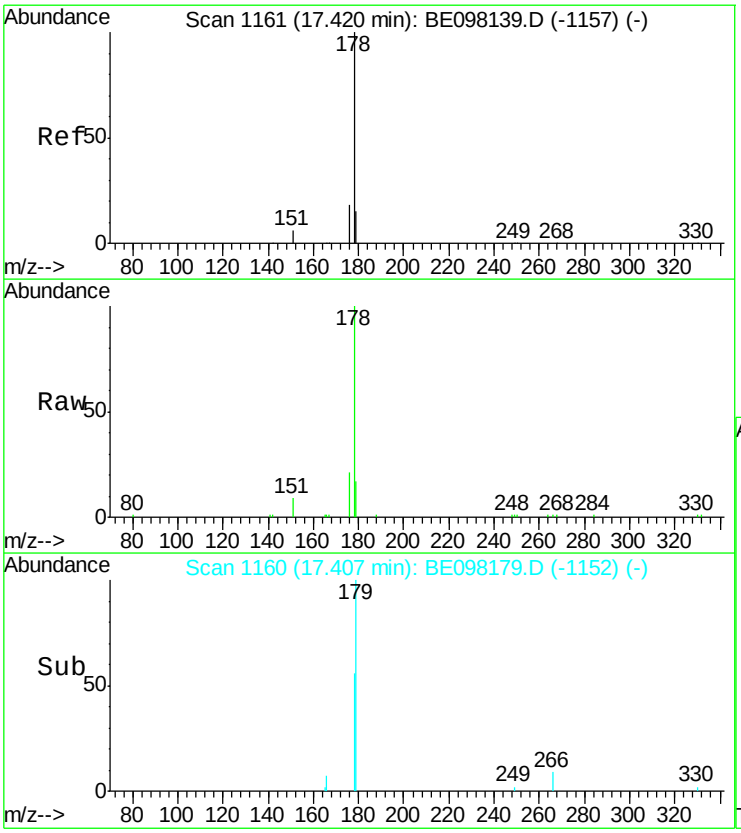
#23
Phenanthrene
Concen: 0.418 ng
RT: 17.33 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8360

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.0	12.2	18.4

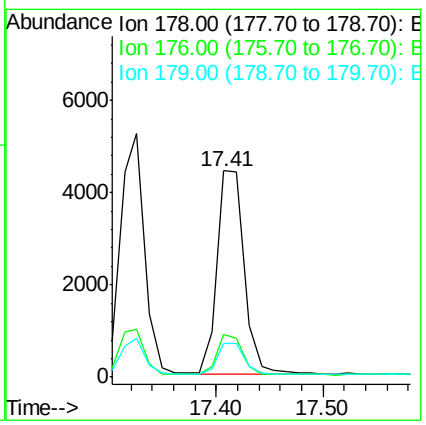


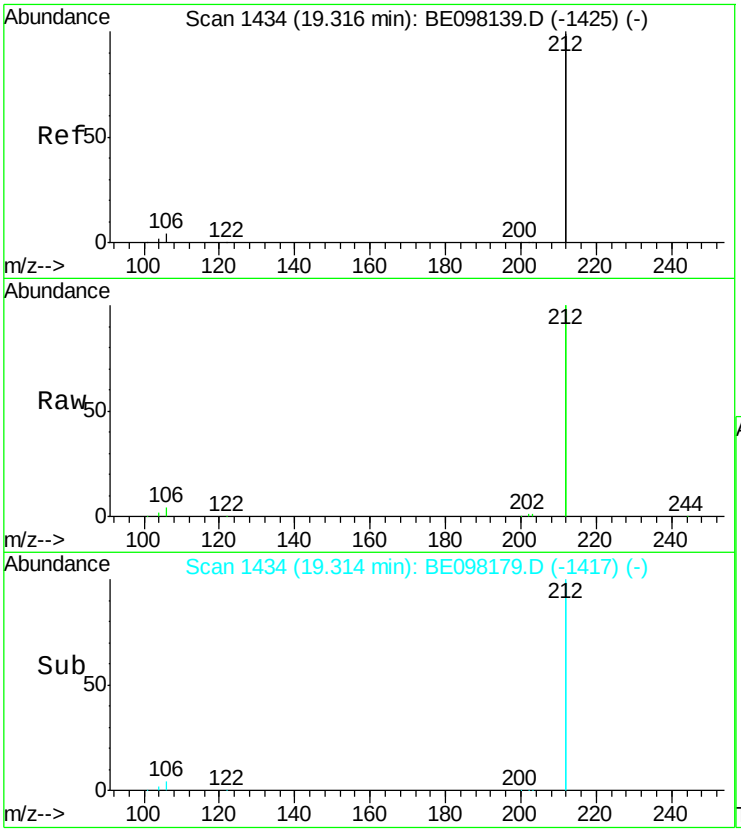


#24
Anthracene
Concen: 0.405 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:178 Resp: 7711

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.7	11.9	17.9



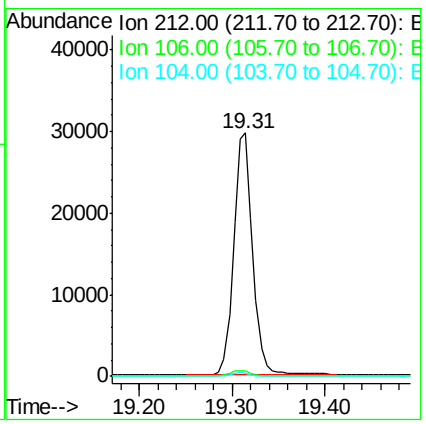


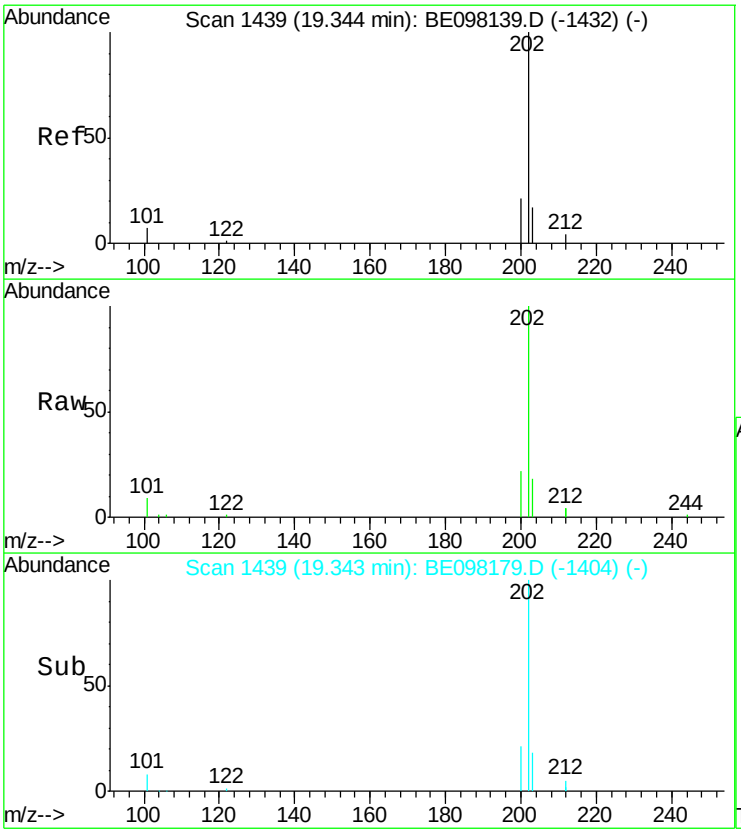
#25
Fluoranthene-d10
Concen: 0.403 ng
RT: 19.31 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 41970

Ion	Ratio	Lower	Upper
212	100		
106	2.4	2.3	3.5
104	1.3	1.3	1.9

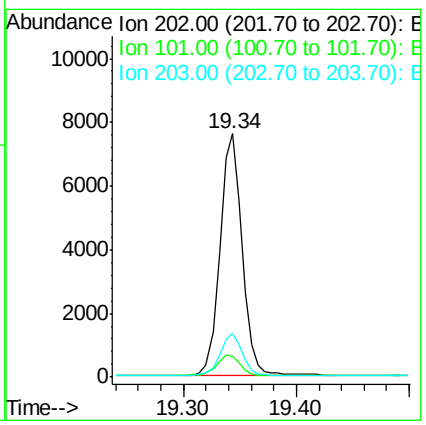


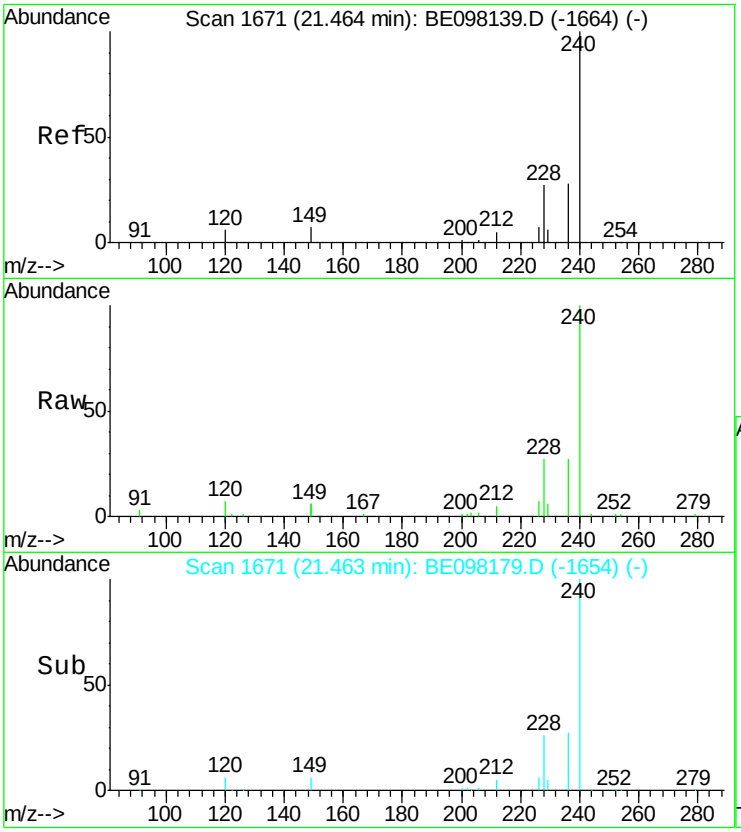


#26
Fluoranthene
Concen: 0.412 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:202 Resp: 10330

Ion	Ratio	Lower	Upper
202	100		
101	8.8	8.2	12.2
203	17.1	15.0	22.4



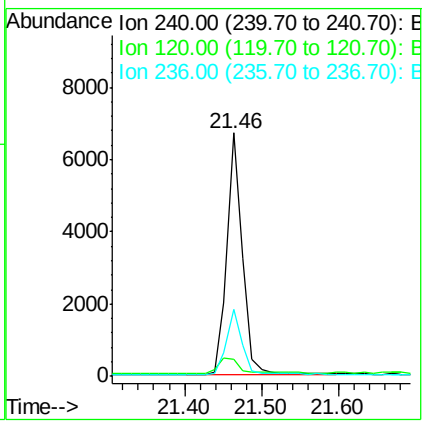


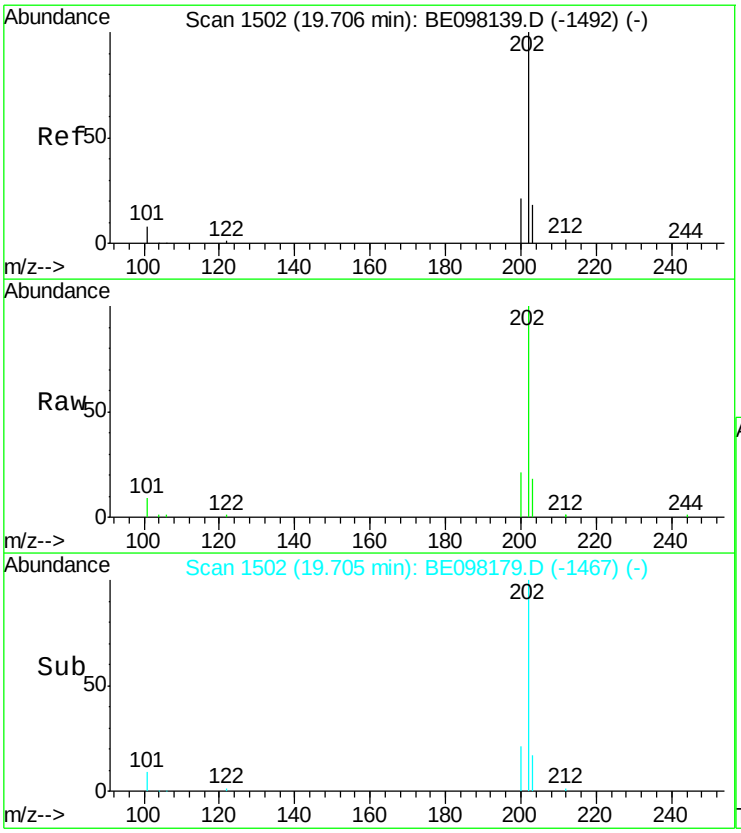
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 9294

Ion	Ratio	Lower	Upper
240	100		
120	7.1	7.1	10.7#
236	27.4	21.3	31.9

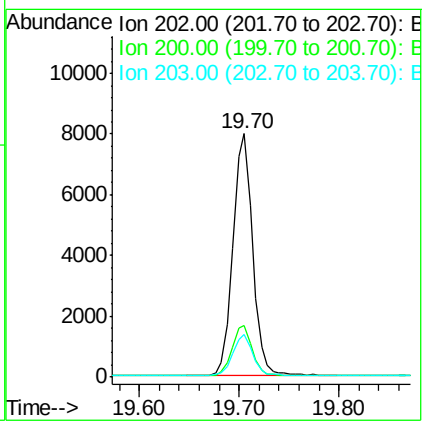


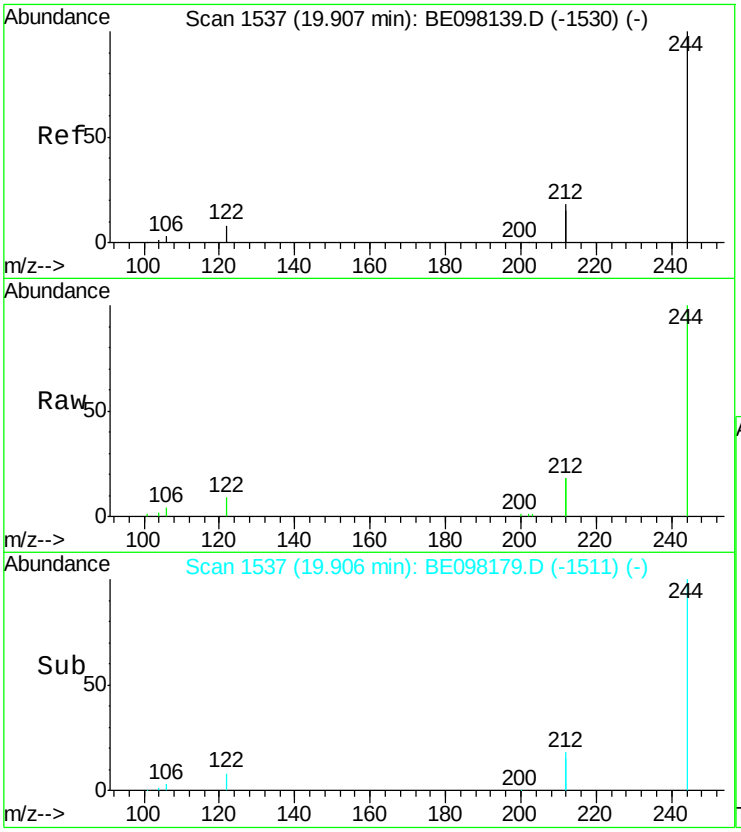


#28
Pyrene
Concen: 0.428 ng
RT: 19.70 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:202 Resp: 10858

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.1	14.2	21.4



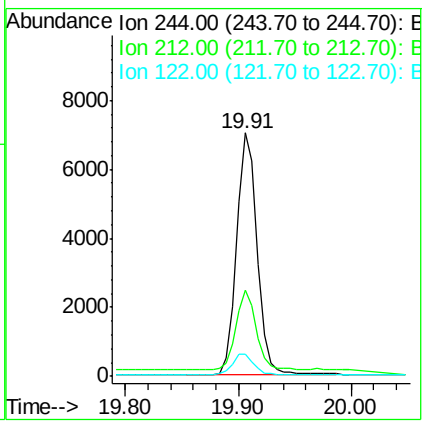


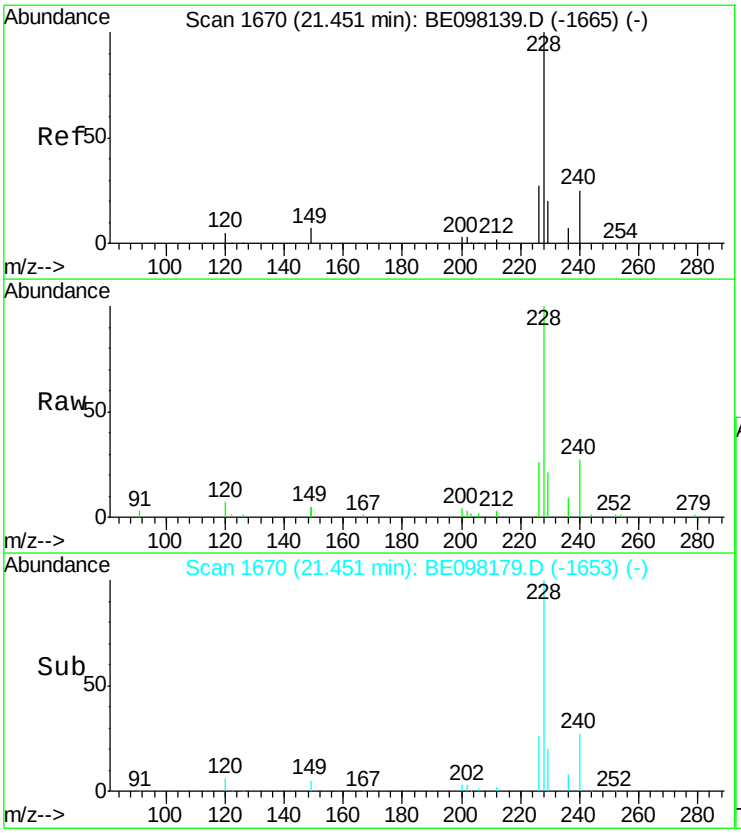
#29
Terphenyl-d14
Concen: 0.414 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8955

Ion	Ratio	Lower	Upper
244	100		
212	35.2	26.2	39.2
122	9.1	7.7	11.5

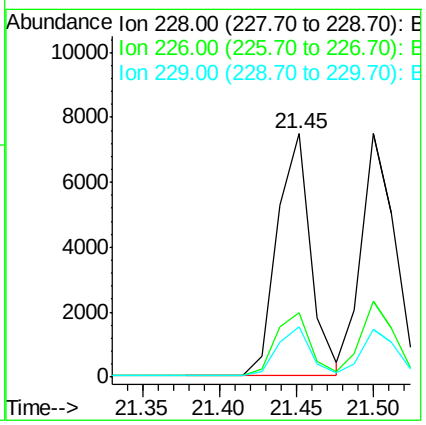


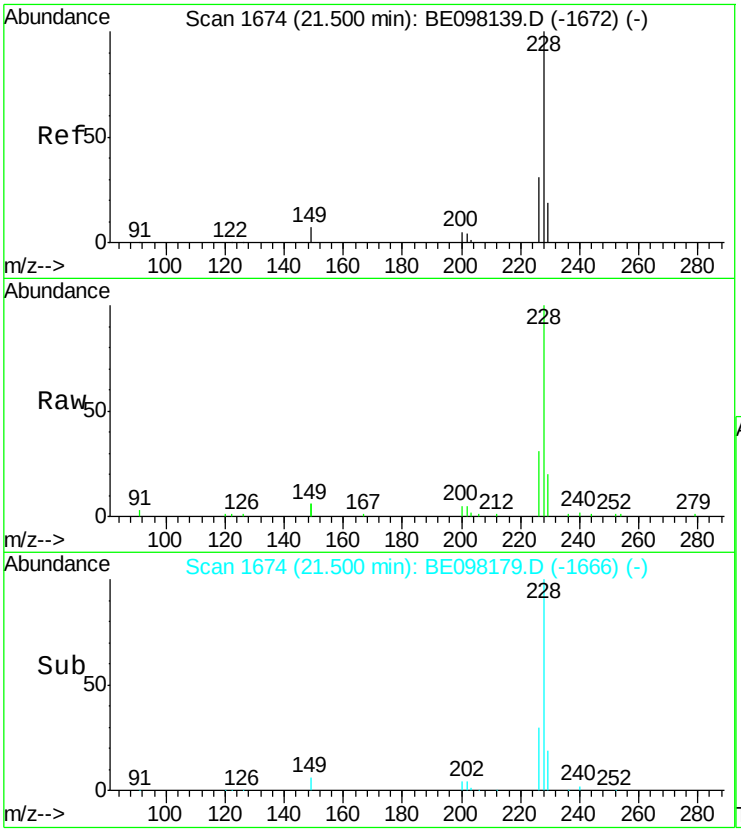


#30
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:228 Resp: 11215

Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.6	33.8
229	20.7	16.9	25.3



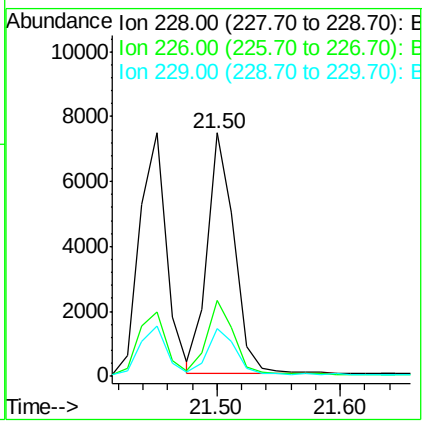


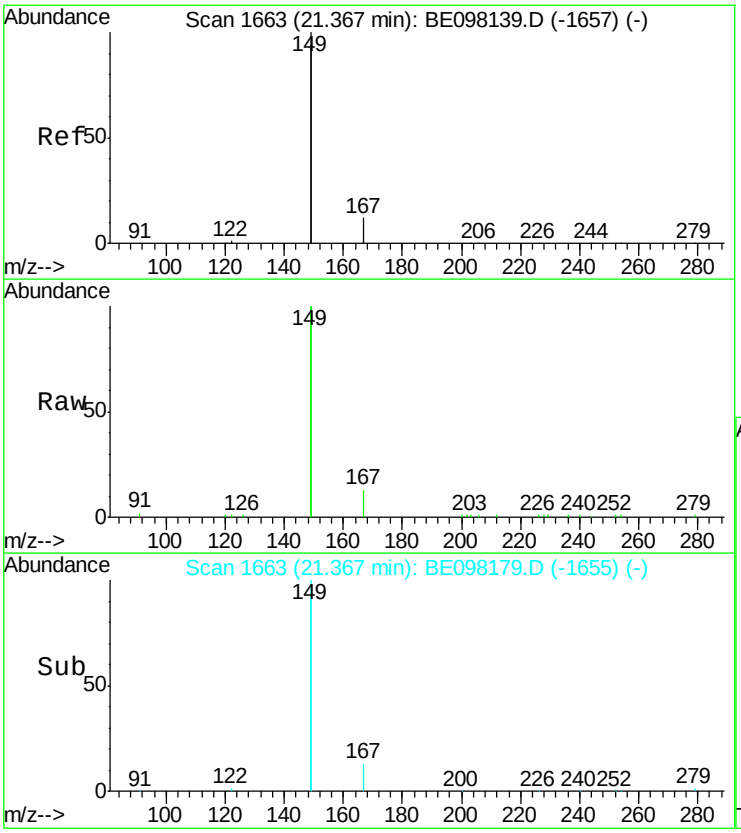
#31
Chrysene
Concen: 0.416 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11174

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.3	36.5
229	19.6	17.3	25.9

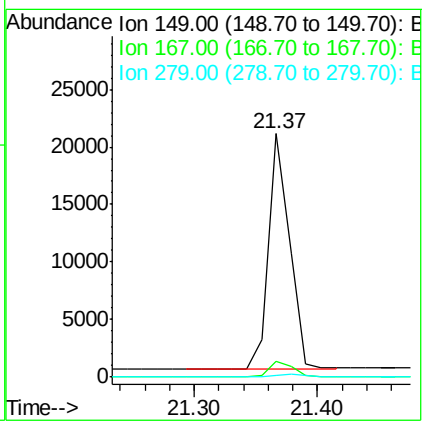


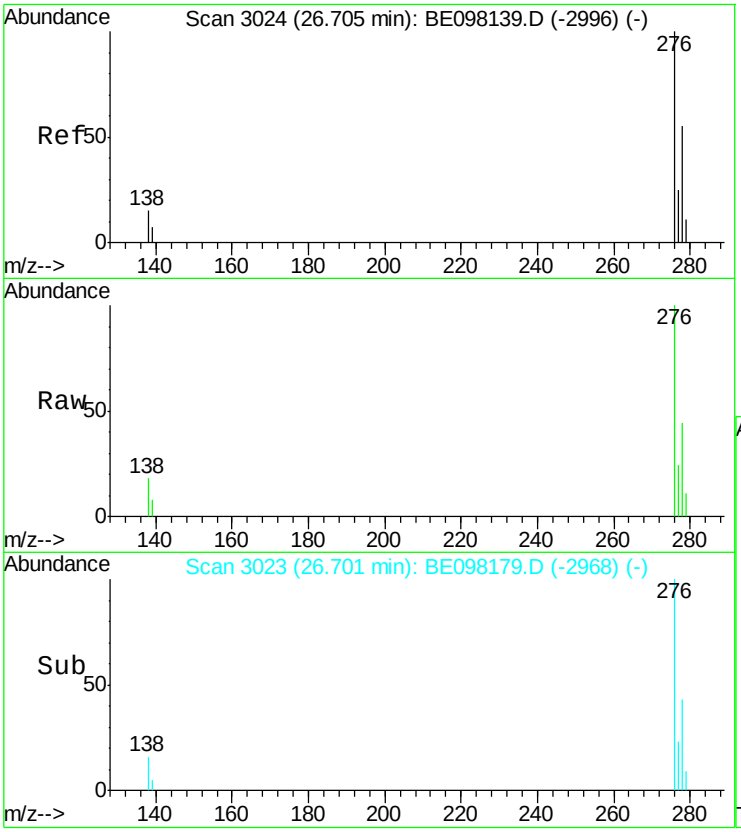


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.260 ng
RT: 21.37 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:149 Resp: 24653

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



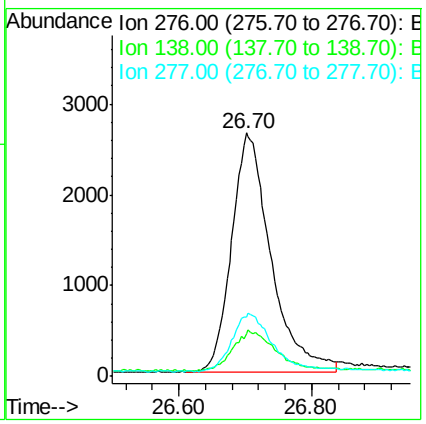


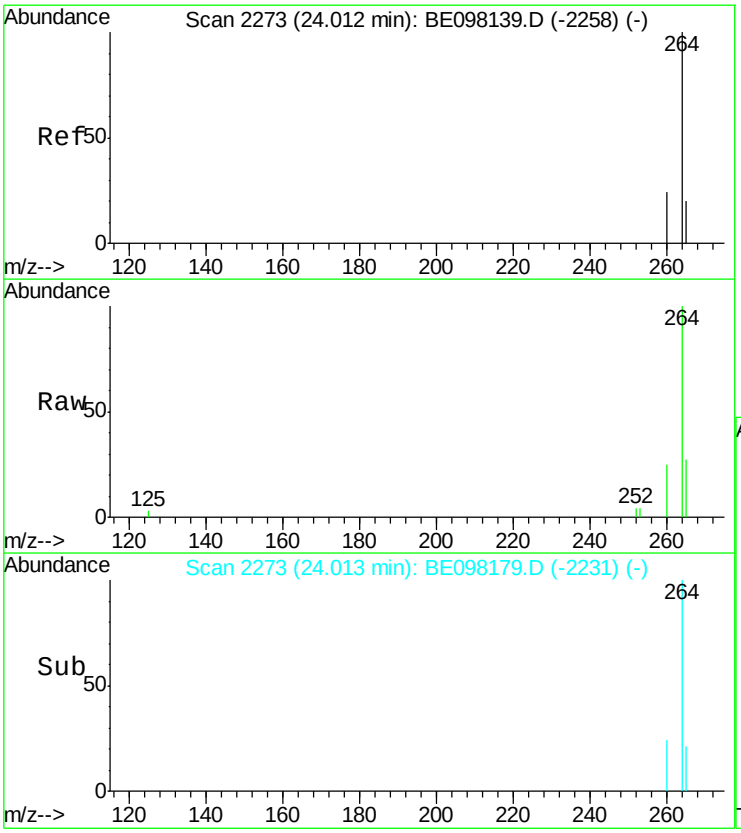
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 26.70 min Scan# 3023
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10803

Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.0	25.6
277	24.7	20.5	30.7

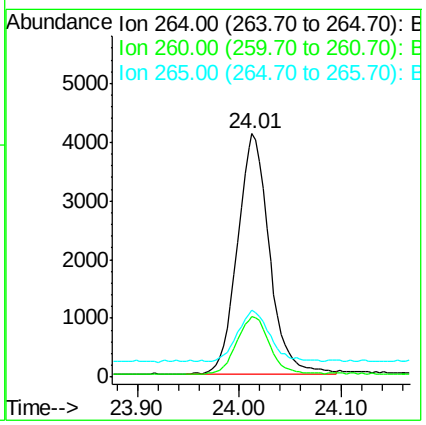


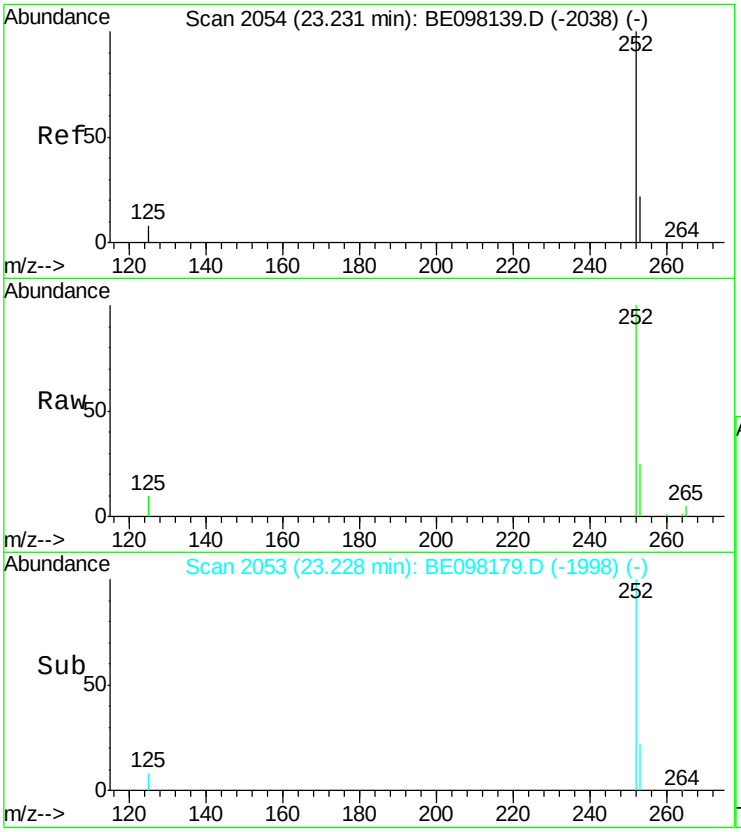


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:264 Resp: 8868

Ion	Ratio	Lower	Upper
264	100		
260	25.1	21.1	31.7
265	27.4	29.2	43.8#



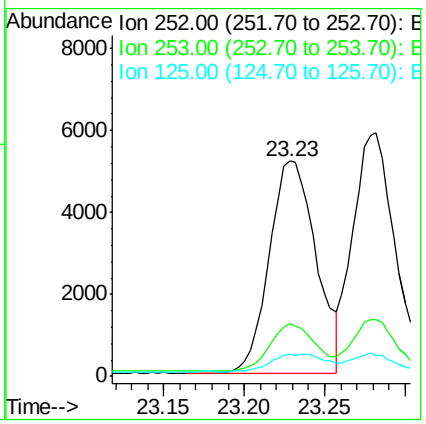


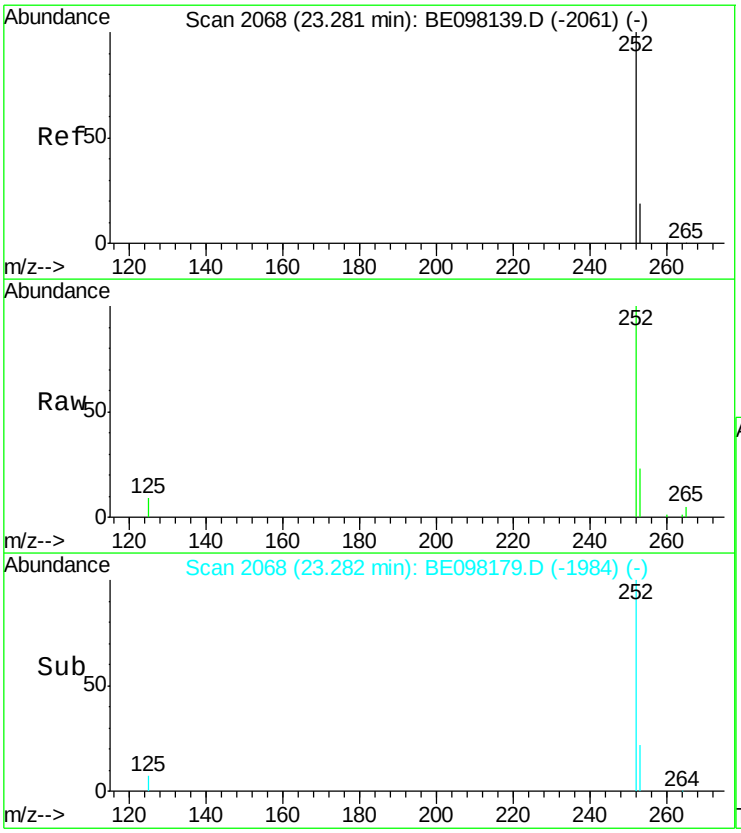
#35
Benzo(b)fluoranthene
Concen: 0.421 ng
RT: 23.23 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10511

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.6	31.0
125	10.3	14.3	21.5#

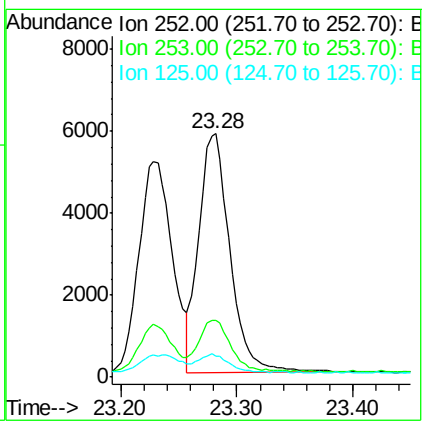


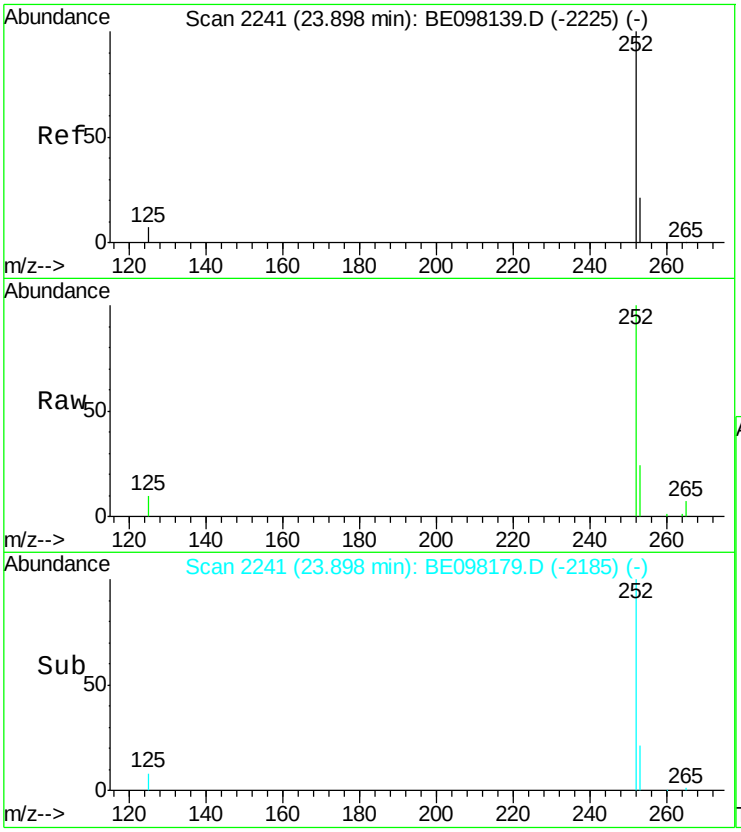


#36
Benzo(k)fluoranthene
Concen: 0.420 ng
RT: 23.28 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:252 Resp: 10852

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.4	30.6
125	8.7	14.6	21.8#



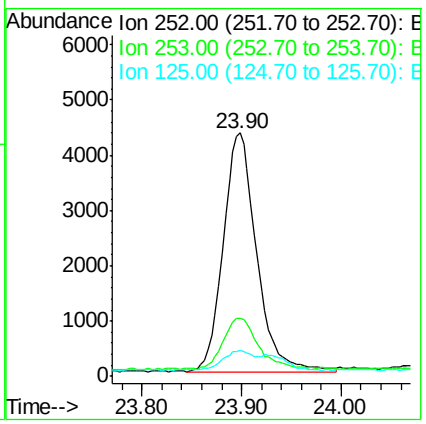


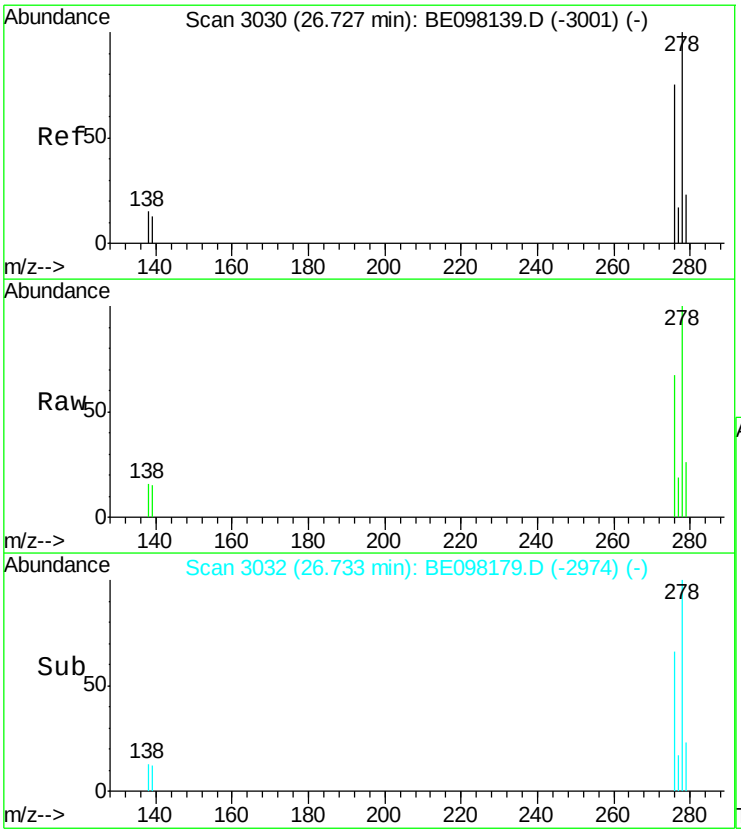
#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.90 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10006

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.6	31.0
125	10.5	15.6	23.4#

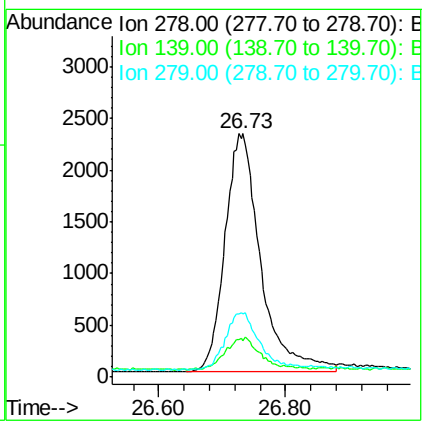


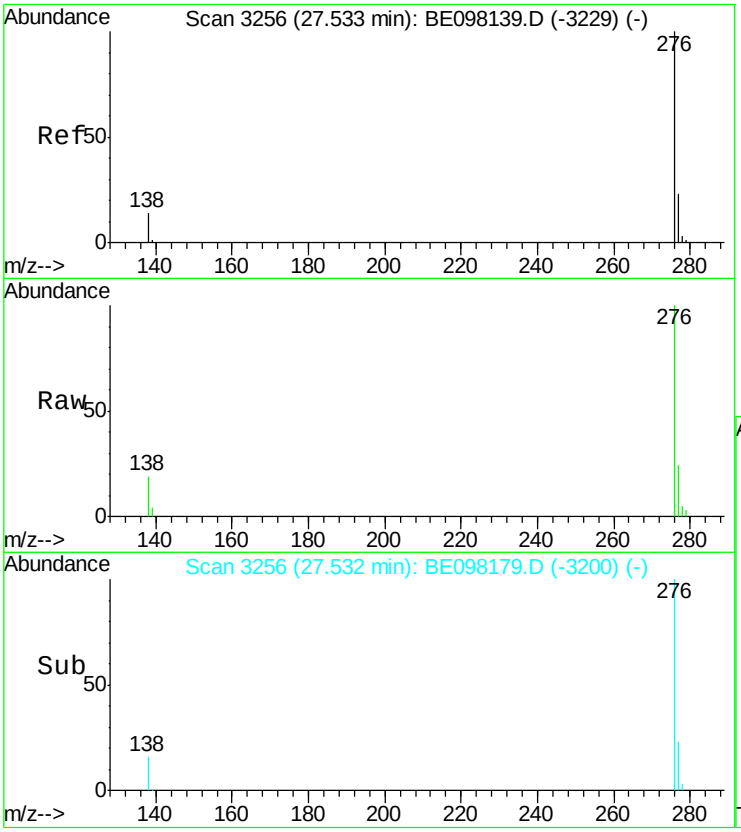


#38
Dibenzo(a,h)anthracene
Concen: 0.397 ng
RT: 26.73 min Scan# 3032
Delta R.T. 0.01 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Tgt Ion:278 Resp: 9041

Ion	Ratio	Lower	Upper
278	100		
139	15.1	16.3	24.5#
279	26.0	21.4	32.2





#39
Benzo(g,h,i)perylene
Concen: 0.399 ng
RT: 27.53 min Scan# 3256
Delta R.T. -0.00 min
Lab File: BE098179.D
Acq: 8 Nov 2018 9:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9036

Ion	Ratio	Lower	Upper
276	100		
277	24.4	22.1	33.1
138	18.6	19.3	28.9#