Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE113018\
Data File : BE098290.D
Acq On : 30 Nov 2018 17:24
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Nov 30 17:57:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 29 13:50:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1989	0.40	ng		0.01
7) Naphthalene-d8	10.68	136	8639	0.40	ng		0.01
13) Acenaphthene-d10	14.54	164	5668	0.40	ng		0.01
19) Phenanthrene-d10	17.28	188	15604	0.40	ng		0.00
27) Chrysene-d12	21.46	240	15992	0.40	ng		0.00
34) Perylene-d12	24.02	264	14746	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	2014	0.38	ng		0.01
5) Phenol-d6	7.06	99	2893	0.39	ng		0.01
8) Nitrobenzene-d5	9.03	82	3275	0.37	ng		0.01
11) 2-Methylnaphthalene-d10	12.28	152	5615	0.40	ng		0.01
14) 2,4,6-Tribromophenol	16.03	330	906	0.34	ng		0.01
15) 2-Fluorobiphenyl	13.16	172	8966	0.38	ng		0.01
25) Fluoranthene-d10	19.32	212	78466	0.37	ng		0.00
29) Terphenyl-d14	19.91	244	15501	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	1333	0.377	ng		96
3) n-Nitrosodimethylamine	3.68	42	1208	0.316	ng	#	100
6) bis(2-Chloroethyl)ether	7.30	93	2614	0.380	ng		91
9) Naphthalene	10.72	128	34156	0.394	ng		99
10) Hexachlorobutadiene	11.00	225	2171	0.390	ng		98
12) 2-Methylnaphthalene	12.35	142	5670	0.393	ng		95
16) Acenaphthylene	14.25	152	10394	0.393	ng		99
17) Acenaphthene	14.60	154	6040	0.383	ng		97
18) Fluorene	15.58	166	8377	0.401	ng		100
20) 4-Bromophenyl-phenylether	16.48	248	3179	0.360	ng	#	79
21) Hexachlorobenzene	16.59	284	3427	0.375	ng		98
22) Pentachlorophenol	16.94	266	752	0.298	ng		98
23) Phenanthrene	17.33	178	14925	0.385	ng		99
24) Anthracene	17.42	178	13409	0.371	ng		99
26) Fluoranthene	19.34	202	19868	0.376	ng		100
28) Pyrene	19.71	202	20610	0.465	ng		99
30) Benzo(a)anthracene	21.45	228	17815	0.378	ng		99
31) Chrysene	21.50	228	19117	0.400	ng		97
32) Bis(2-ethylhexyl)phthalate	21.37	149	39619	0.351	ng		100
33) Indeno(1,2,3-cd)pyrene	26.71	276	18671	0.386	ng		98
35) Benzo(b)fluoranthene	23.23	252	16485	0.381	ng		99
36) Benzo(k)fluoranthene	23.28	252	18372	0.405	ng		98
37) Benzo(a)pyrene	23.90	252	16425	0.394	ng		97
38) Dibenzo(a,h)anthracene	26.73	278	15648	0.396	ng		98
39) Benzo(g,h,i)perylene	27.53	276	15457	0.391	ng		98

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

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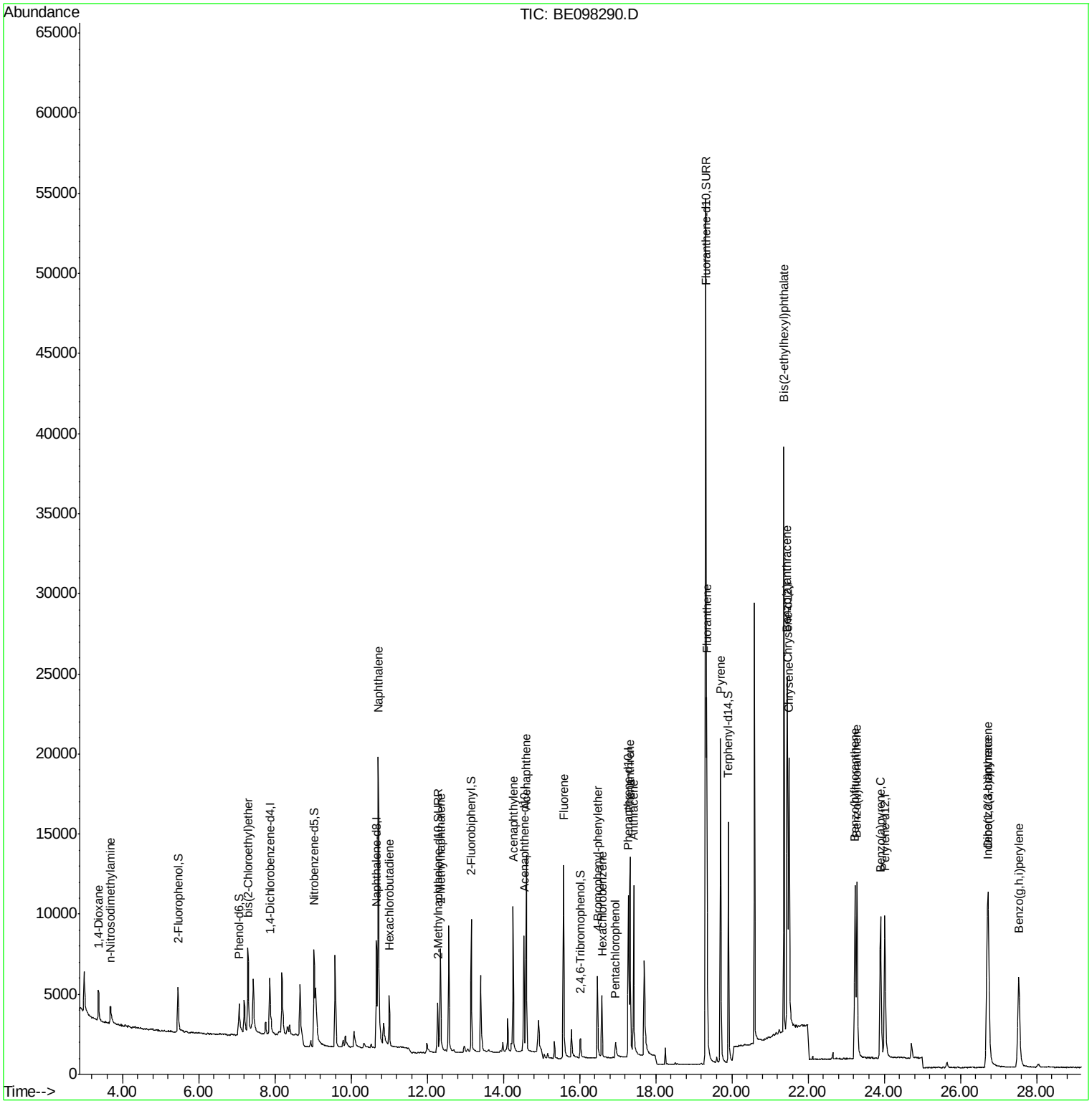
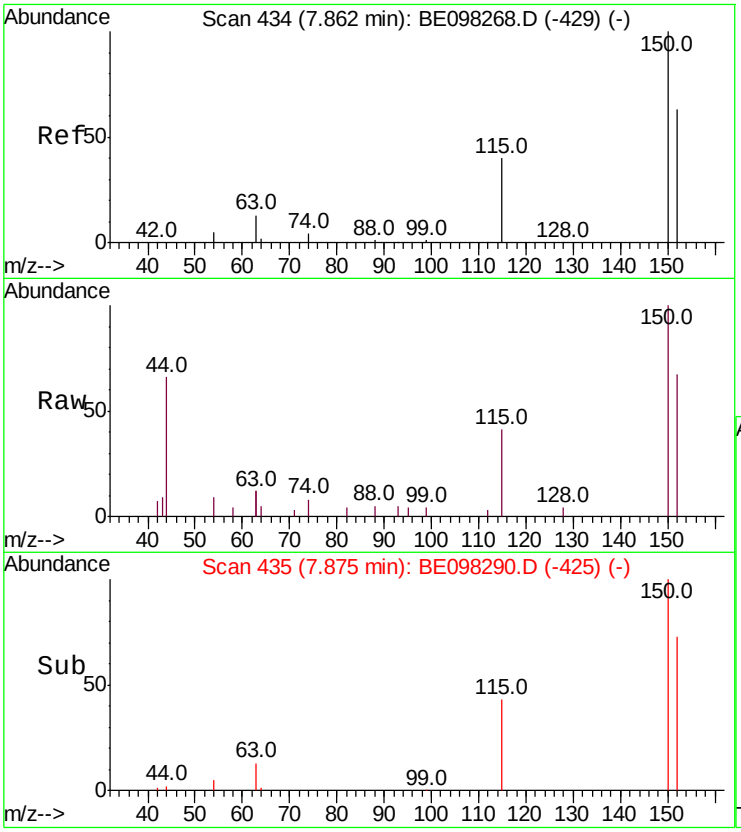
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE113018\
Data File : BE098290.D
Acq On : 30 Nov 2018 17:24
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 30 17:57:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 29 13:50:43 2018
Response via : Initial Calibration



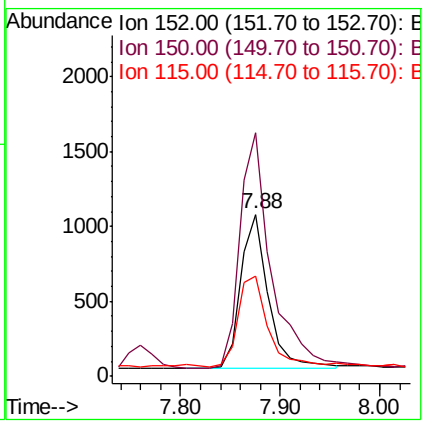


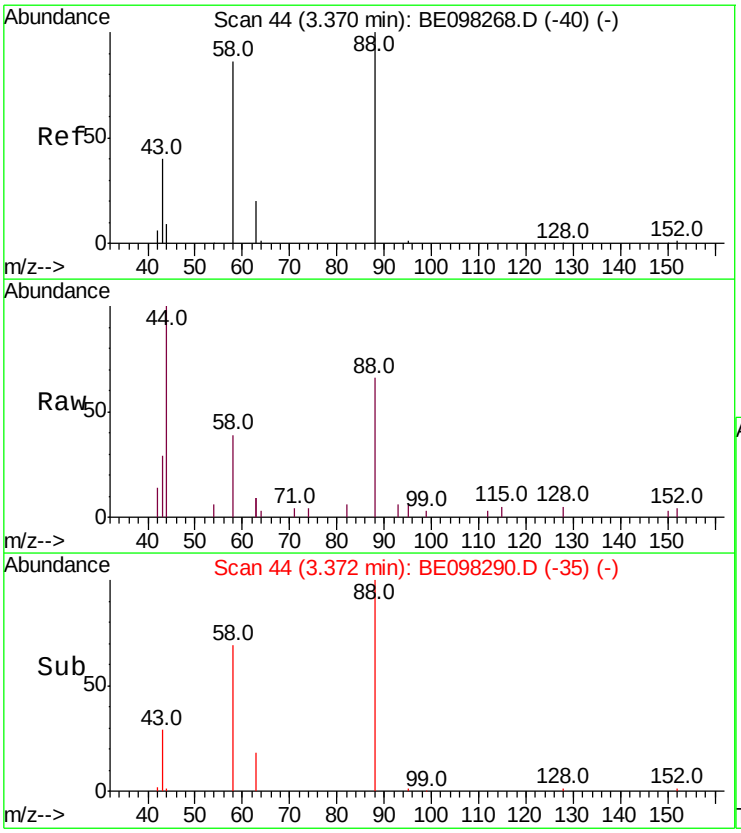
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1989

Ion	Ratio	Lower	Upper
152	100		
150	150.2	124.2	186.4
115	62.0	53.9	80.9

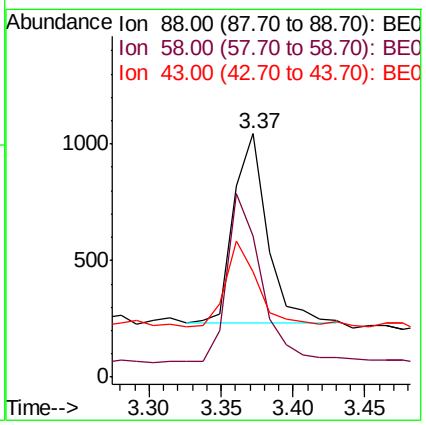


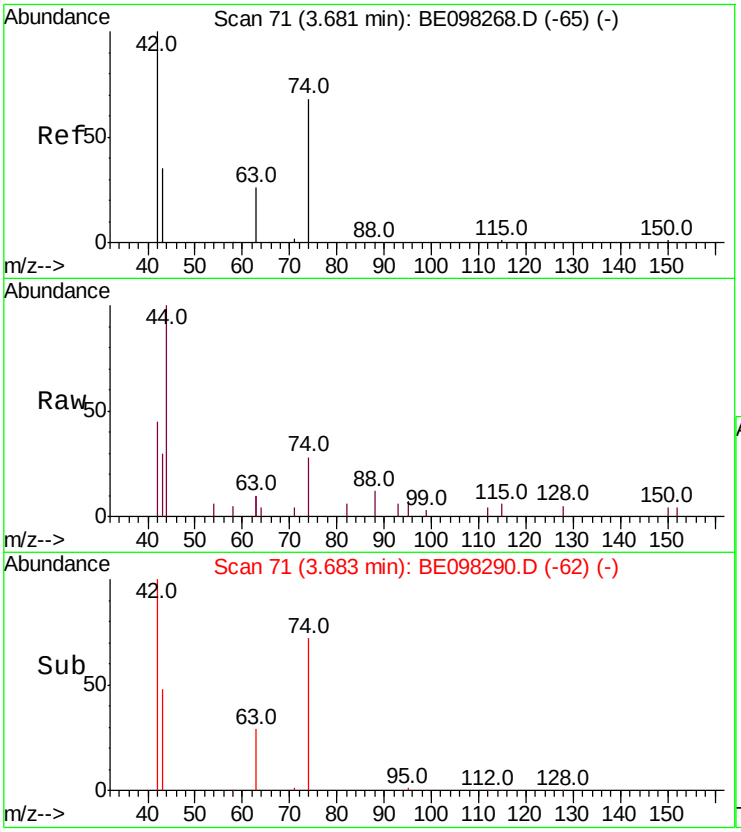


#2
1,4-Dioxane
Concen: 0.377 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion: 88 Resp: 1333

Ion	Ratio	Lower	Upper
88	100		
58	91.3	75.0	112.6
43	43.0	38.3	57.5



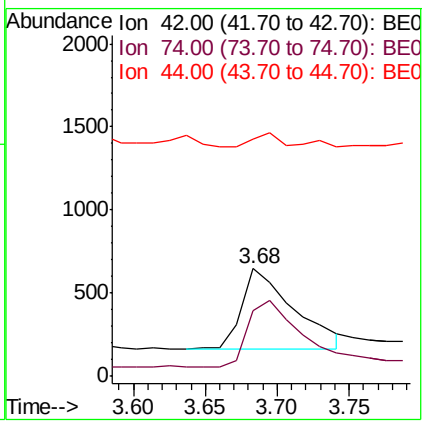


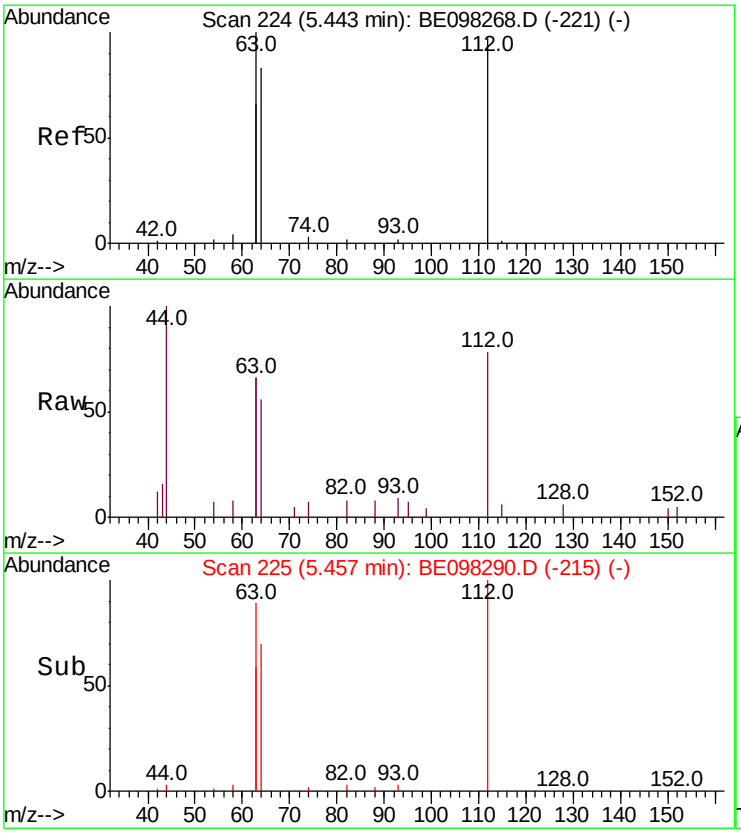
#3
n-Nitrosodimethylamine
Concen: 0.316 ng
RT: 3.68 min Scan# 71
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1208

Ion	Ratio	Lower	Upper
42	100		
74	84.1	0.0	0.0#
44	9.4	0.0	0.0#

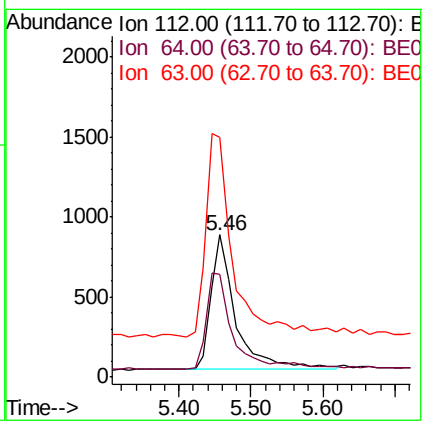


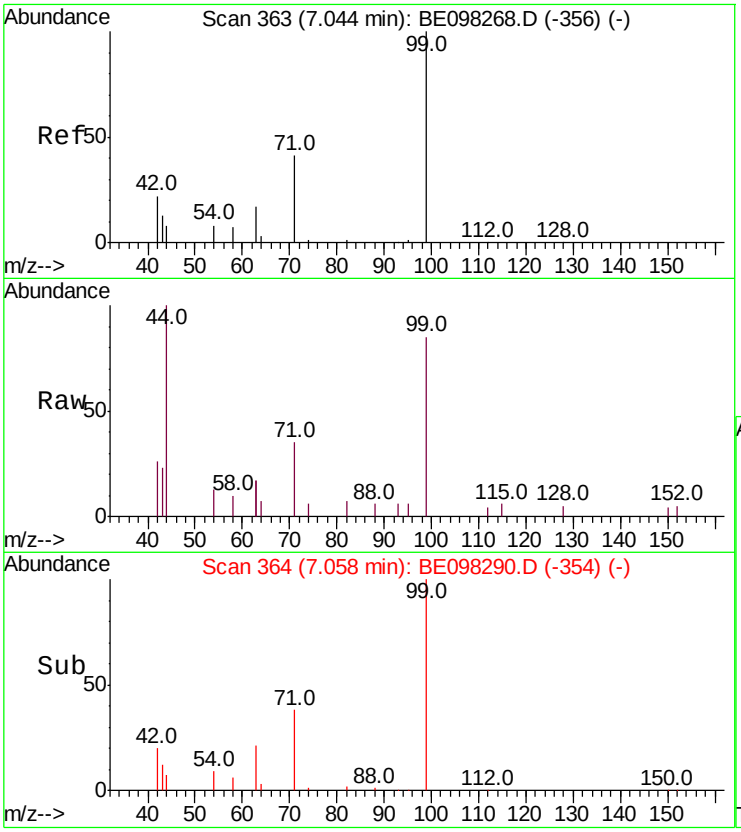


#4
2-Fluorophenol
Concen: 0.379 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:112 Resp: 2014

Ion	Ratio	Lower	Upper
112	100		
64	75.5	59.8	89.8
63	165.6	133.7	200.5



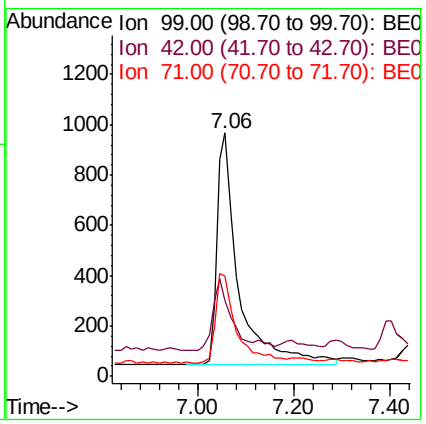


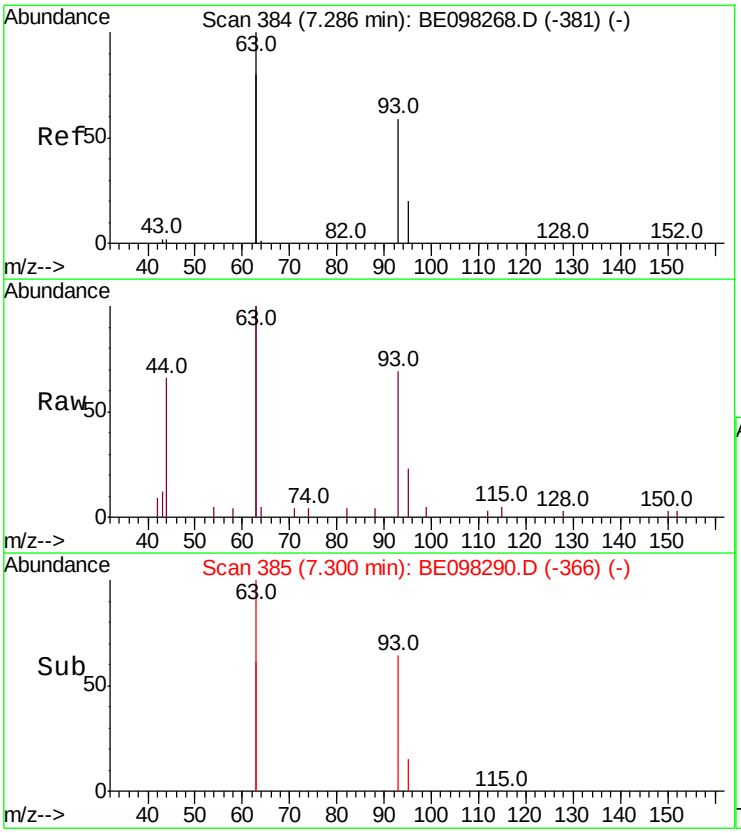
#5
Phenol-d6
Concen: 0.387 ng
RT: 7.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2893

Ion	Ratio	Lower	Upper
99	100		
42	26.1	26.3	39.5#
71	37.2	33.6	50.4

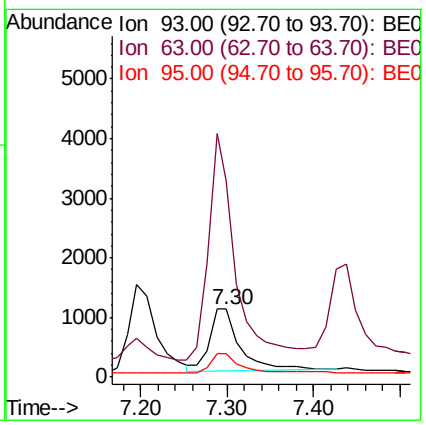


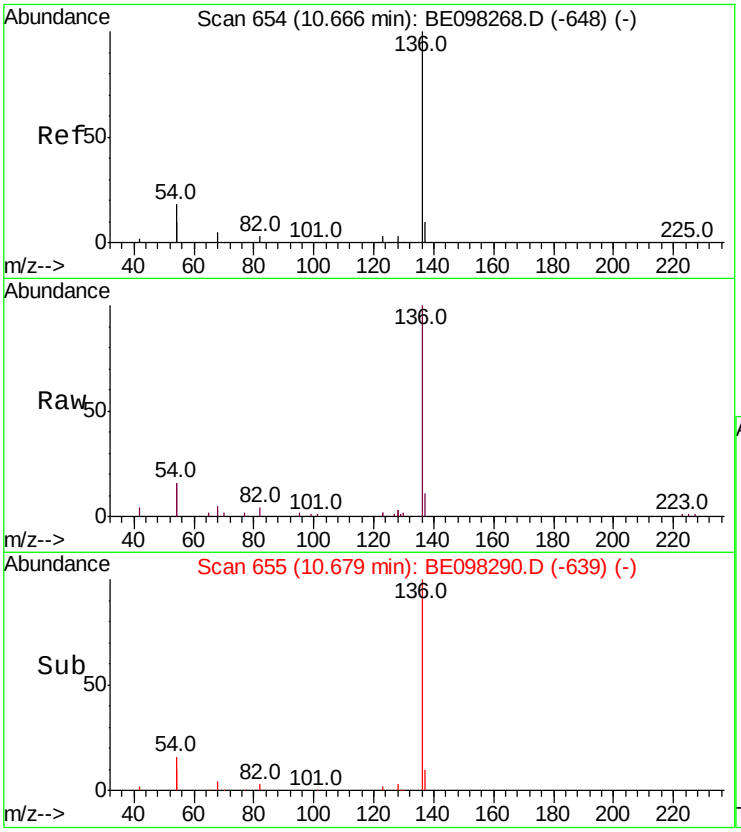


#6
bis(2-Chloroethyl)ether
Concen: 0.380 ng
RT: 7.30 min Scan# 385
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion: 93 Resp: 2614

Ion	Ratio	Lower	Upper
93	100		
63	312.2	264.4	396.6
95	29.9	26.6	40.0



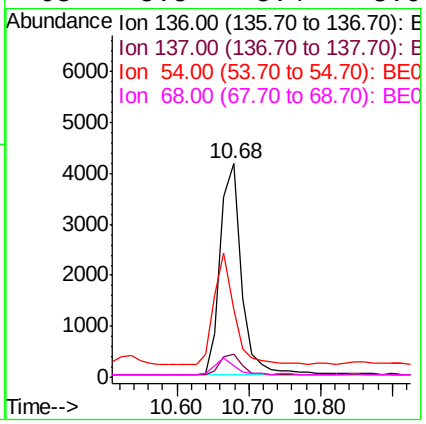


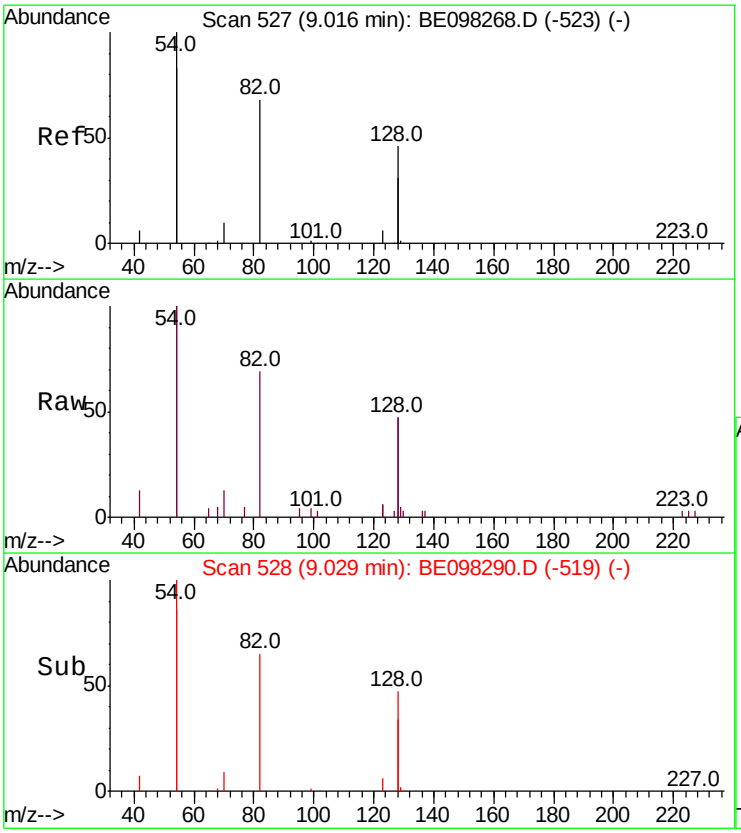
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 8639

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	31.9	28.4	42.6
68	5.5	5.4	8.0

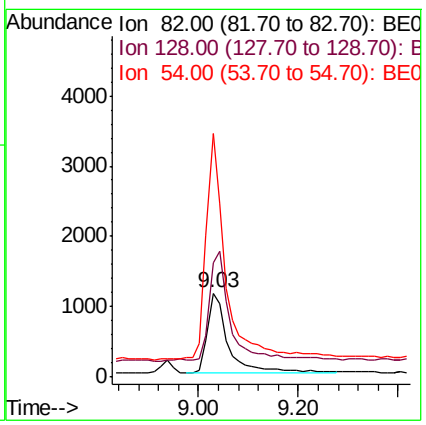


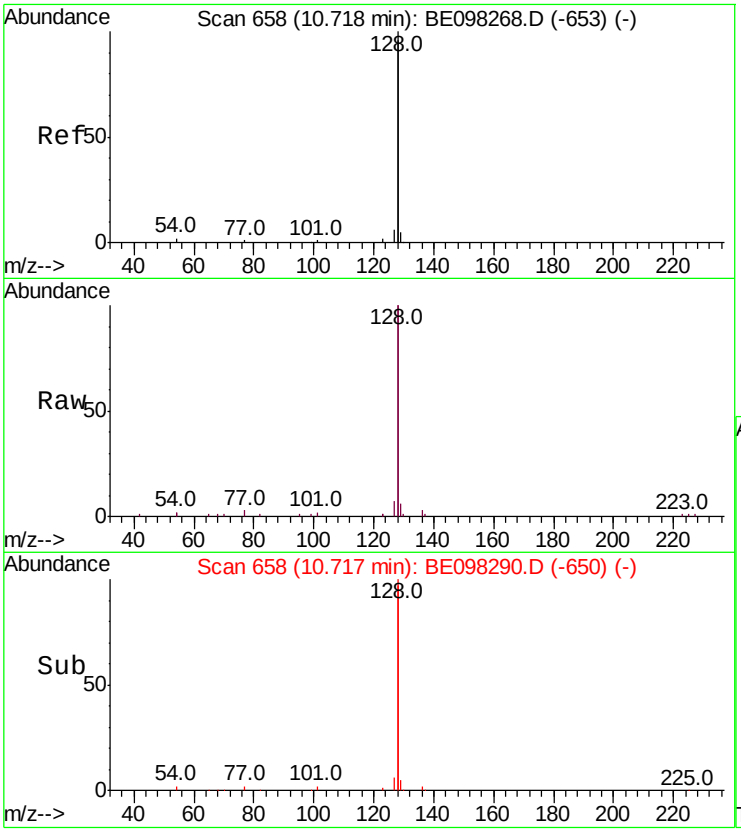


#8
Nitrobenzene-d5
Concen: 0.374 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion: 82 Resp: 3275

Ion	Ratio	Lower	Upper
82	100		
128	135.1	102.4	153.6
54	289.0	221.8	332.8



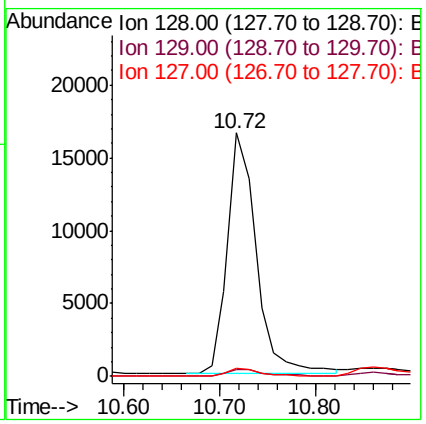


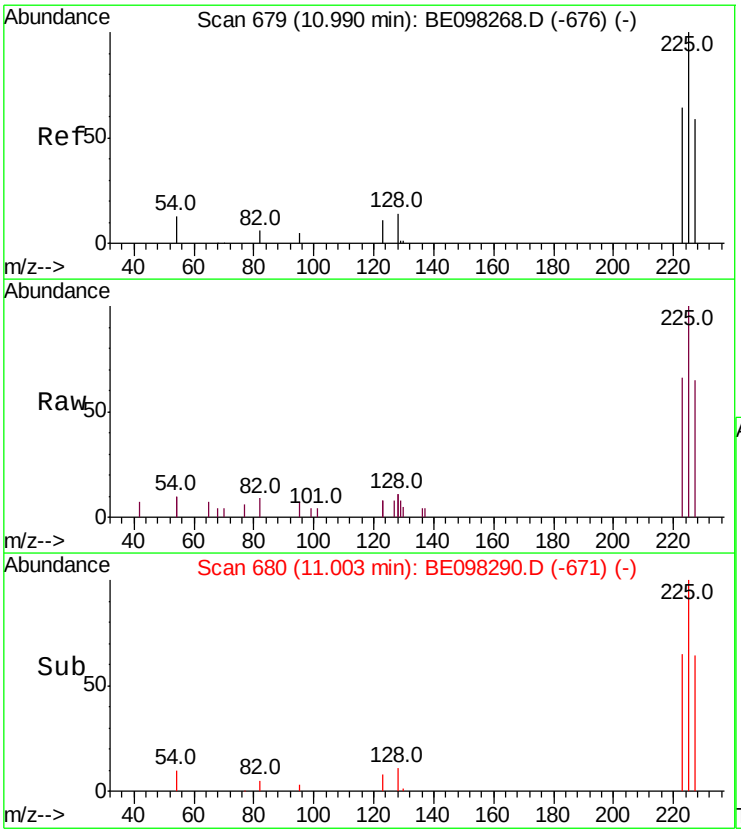
#9
Naphthalene
Concen: 0.394 ng
RT: 10.72 min Scan# 658
Delta R.T. -0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 34156

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.5	3.7
127	3.5	2.7	4.1

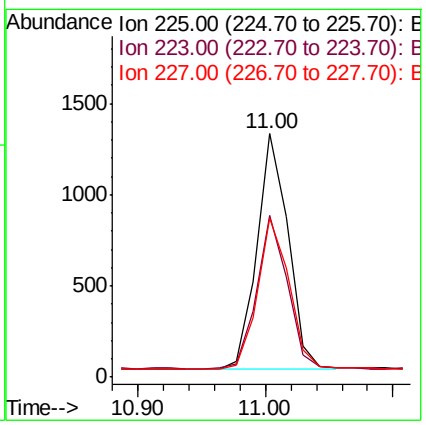


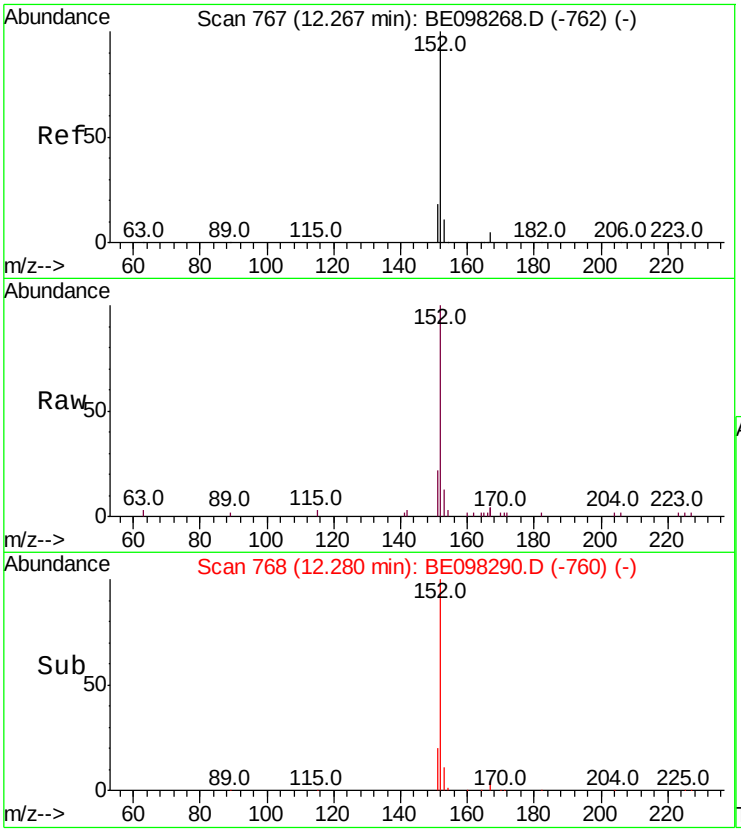


#10
Hexachlorobutadiene
Concen: 0.390 ng
RT: 11.00 min Scan# 680
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:225 Resp: 2171

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.4	74.0
227	65.0	52.0	78.0



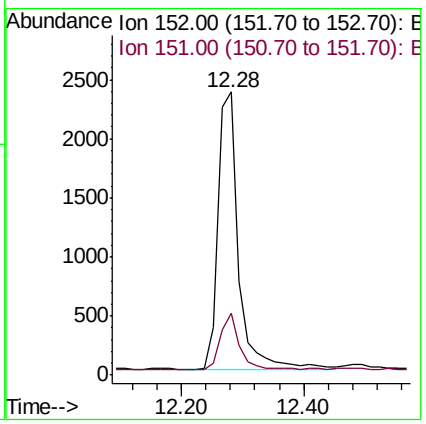


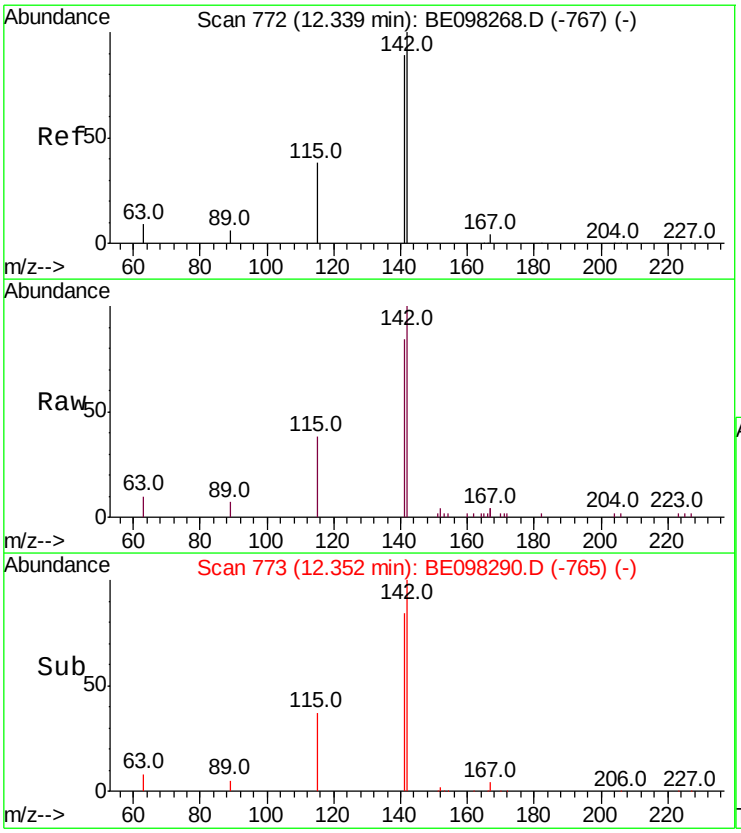
#11
2-Methylnaphthalene-d10
Concen: 0.400 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5615

Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.2	24.4

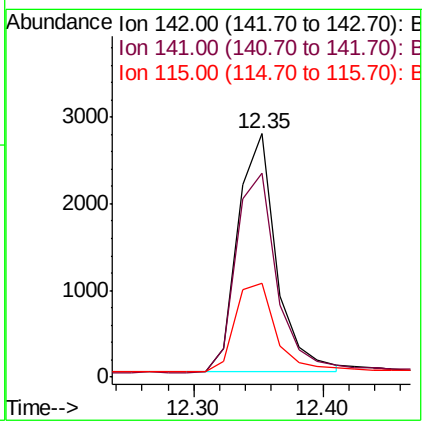


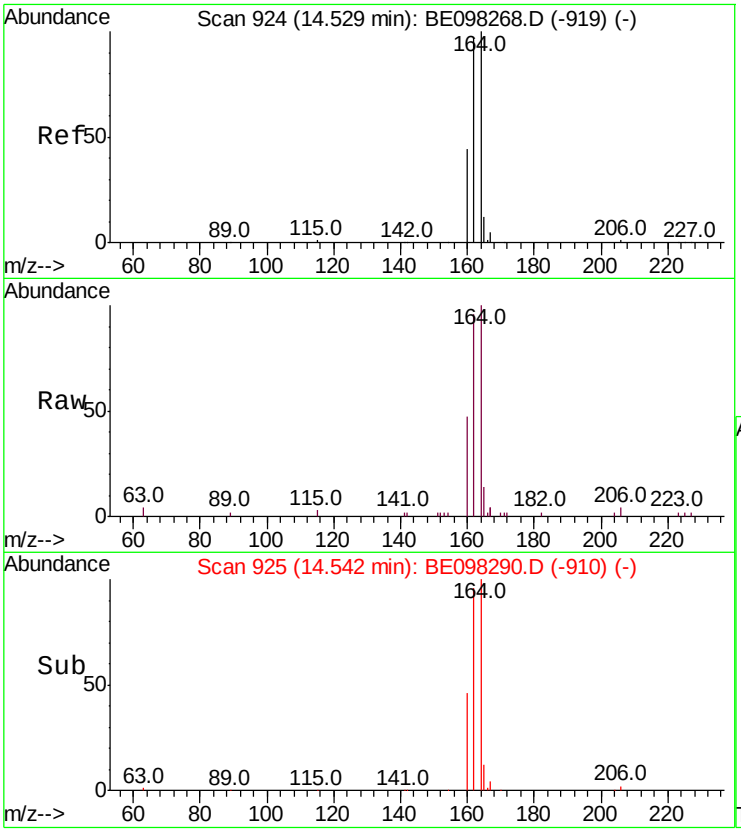


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.35 min Scan# 773
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:142 Resp: 5670

Ion	Ratio	Lower	Upper
142	100		
141	83.7	71.0	106.6
115	38.4	32.2	48.2



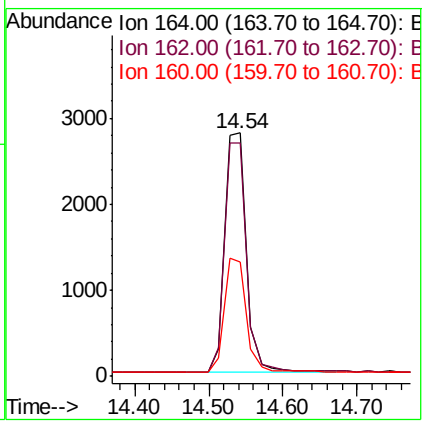


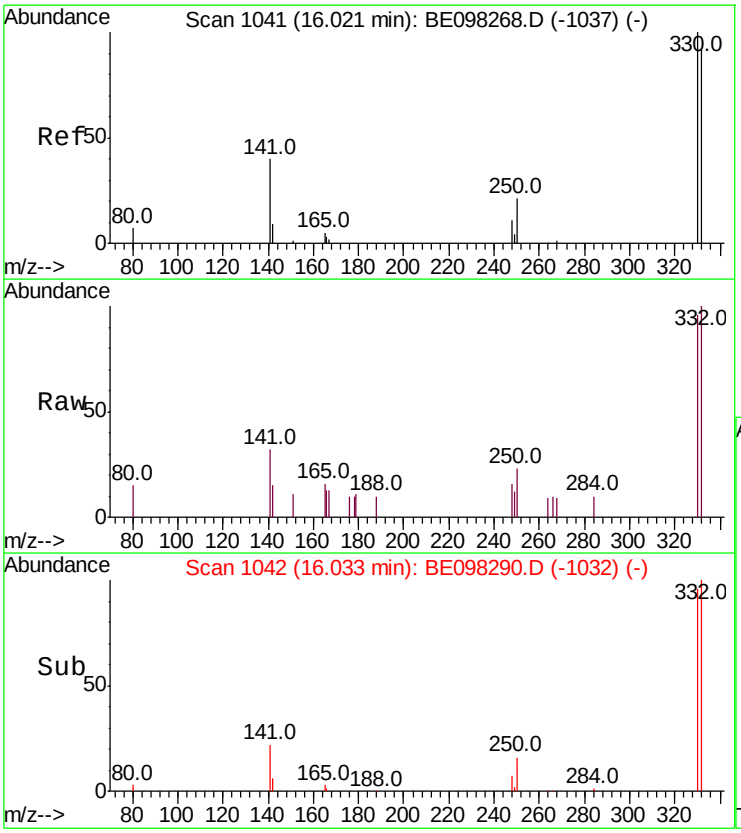
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 5668

Ion	Ratio	Lower	Upper
164	100		
162	96.1	77.6	116.4
160	46.9	36.0	54.0

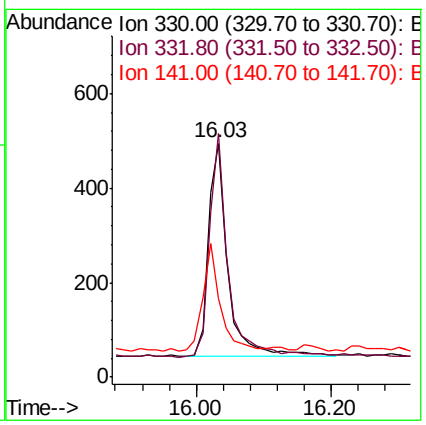


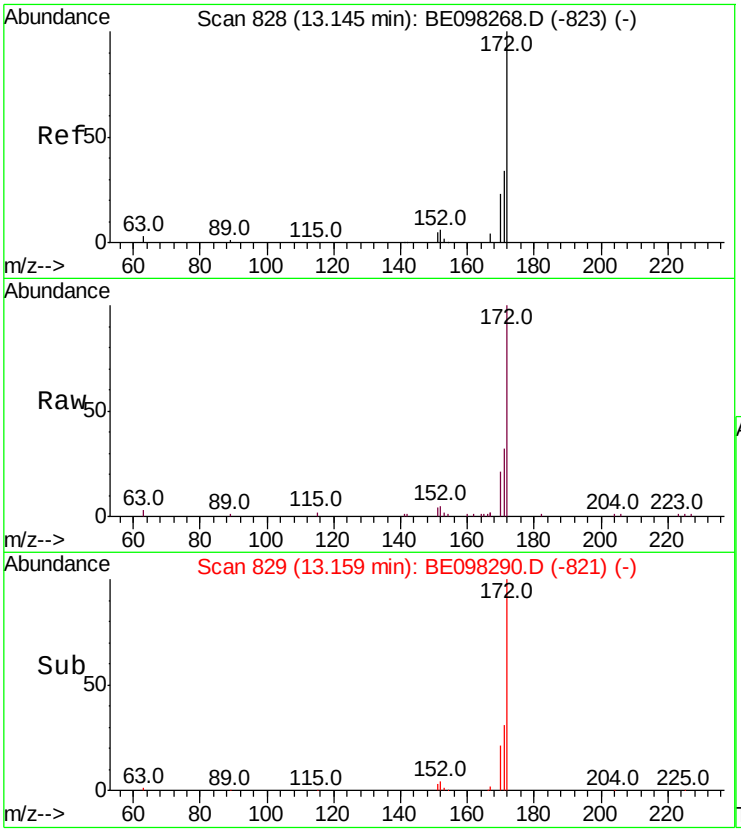


#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:330 Resp: 906

Ion	Ratio	Lower	Upper
330	100		
332	104.0	76.2	114.4
141	44.3	39.0	58.4



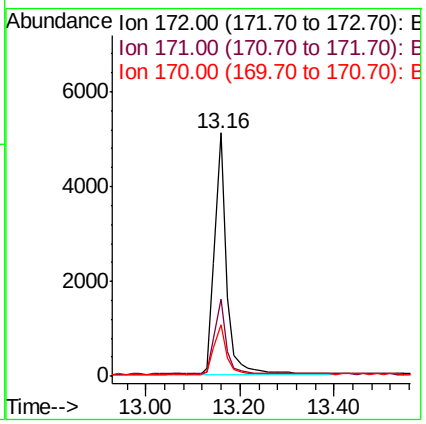


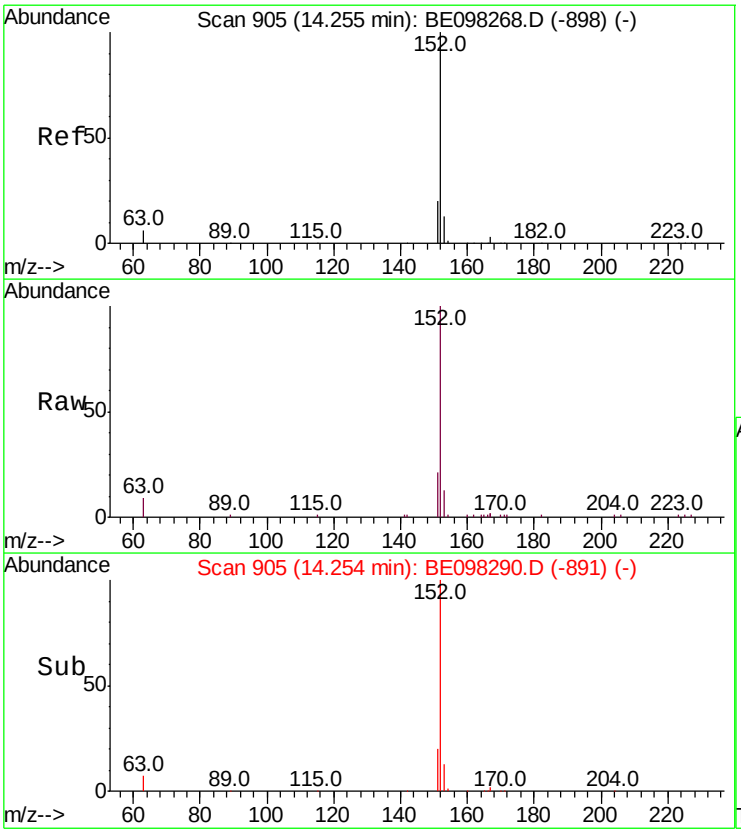
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 8966

Ion	Ratio	Lower	Upper
172	100		
171	31.9	27.5	41.3
170	21.3	19.6	29.4

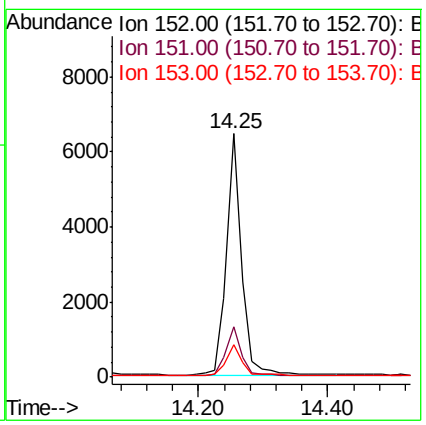


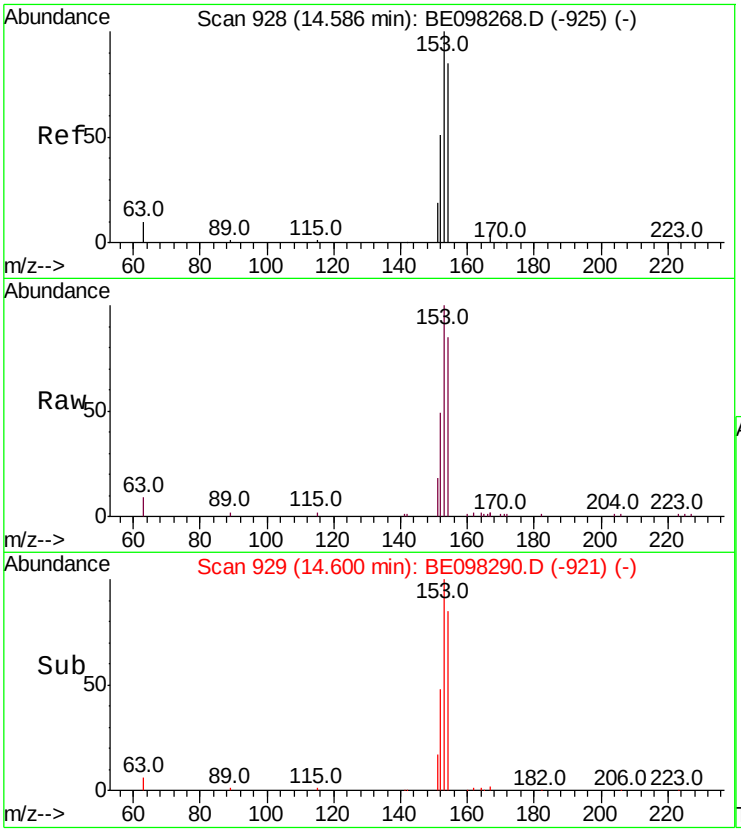


#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:152 Resp: 10394

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3
153	13.0	10.6	16.0



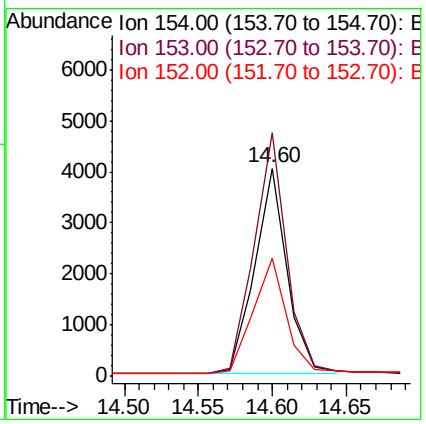


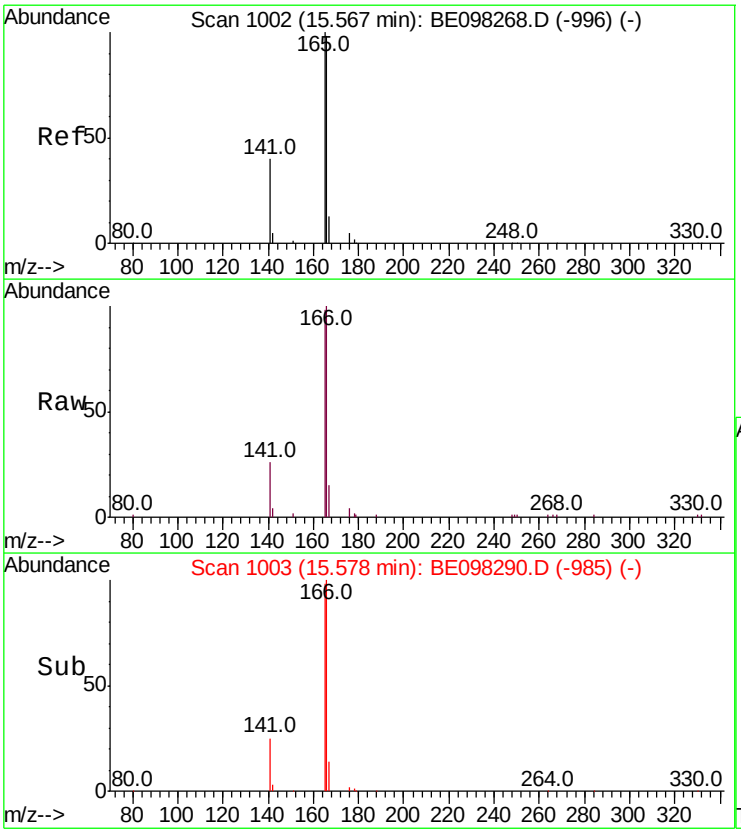
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 6040

Ion	Ratio	Lower	Upper
154	100		
153	118.6	91.8	137.6
152	58.3	45.5	68.3

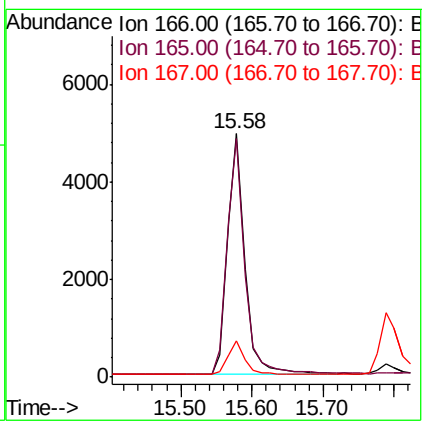


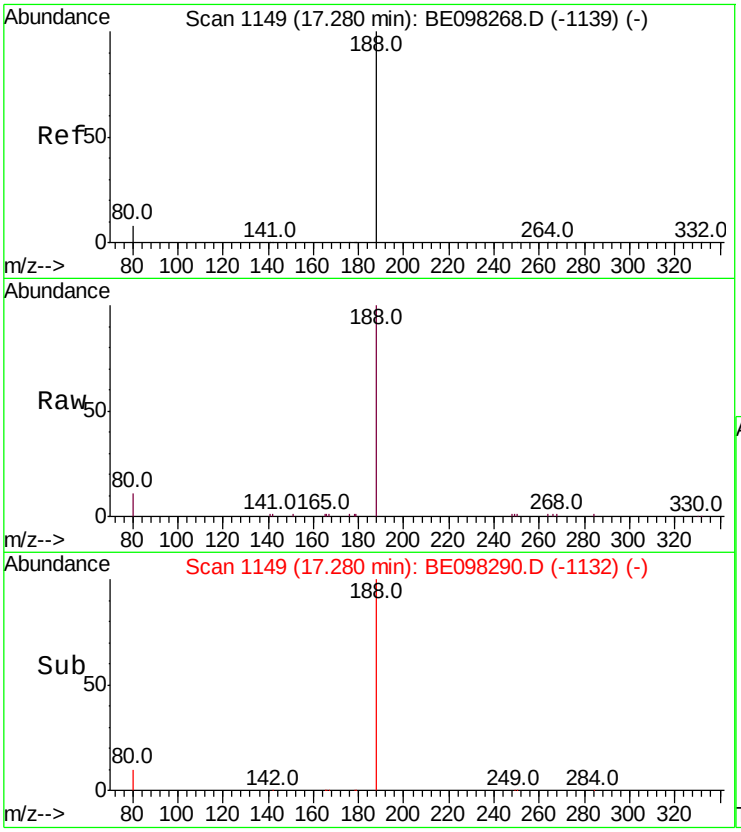


#18
Fluorene
Concen: 0.401 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:166 Resp: 8377

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.3	118.9
167	14.2	11.3	16.9



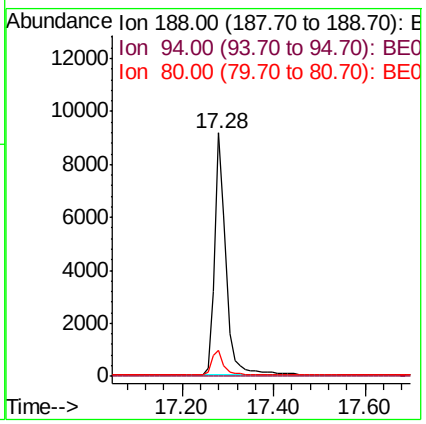


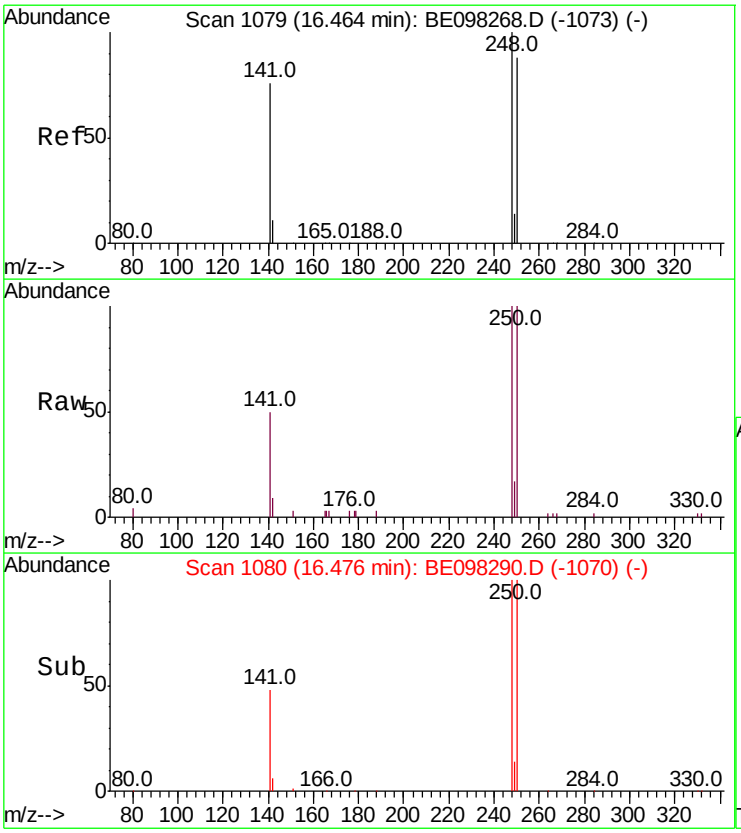
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 15604

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	7.2	10.8

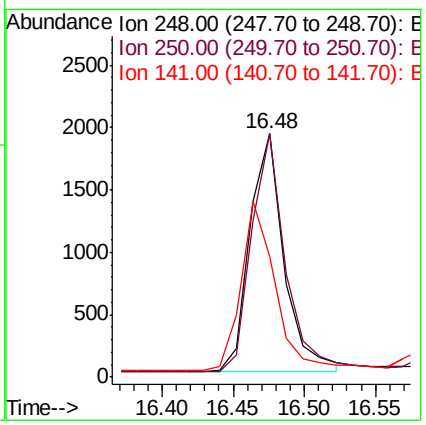


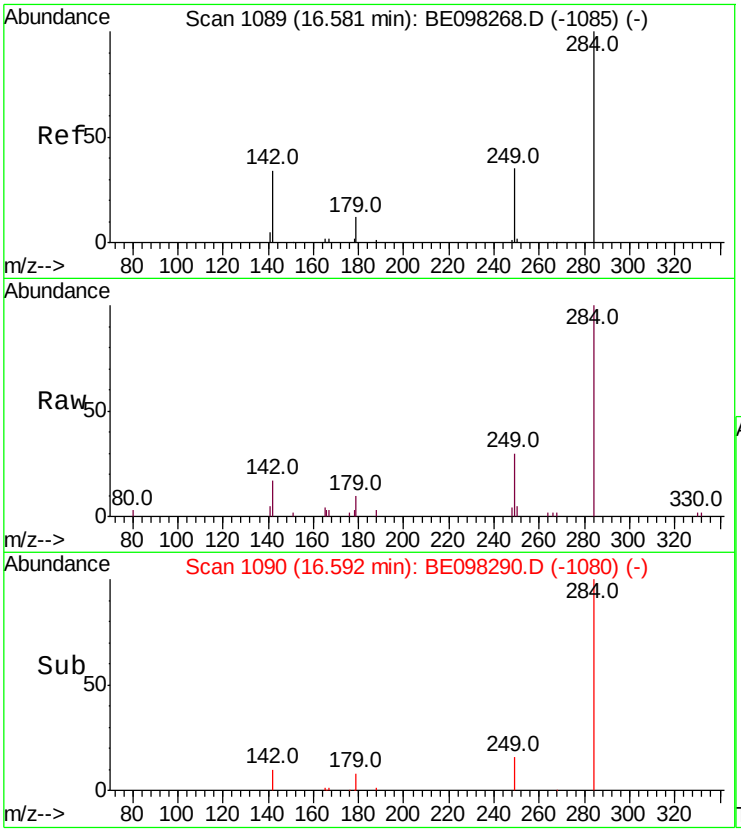


#20
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.48 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:248 Resp: 3179

Ion	Ratio	Lower	Upper
248	100		
250	100.2	71.0	106.6
141	49.7	62.1	93.1#



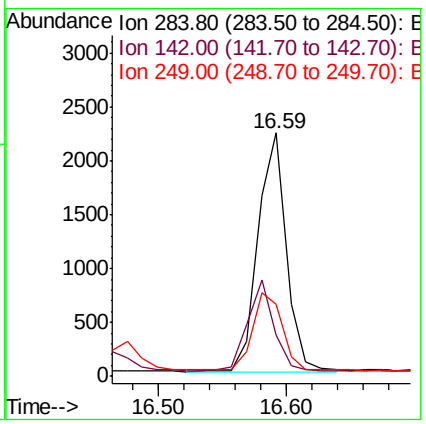


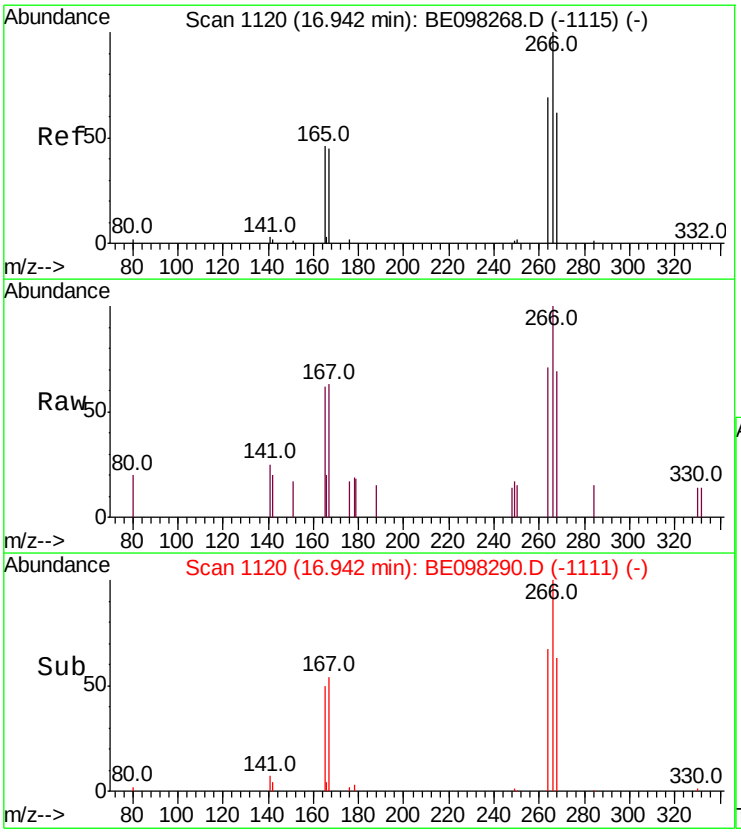
#21
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.59 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 3427

Ion	Ratio	Lower	Upper
284	100		
142	34.5	26.3	39.5
249	33.5	26.0	39.0

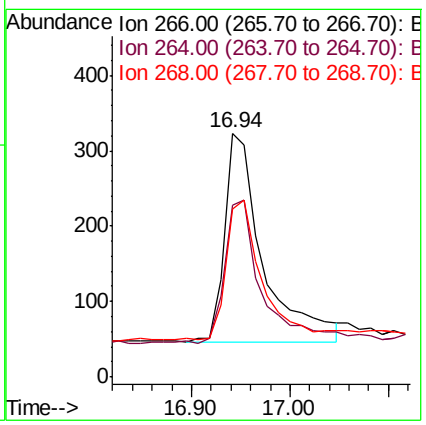


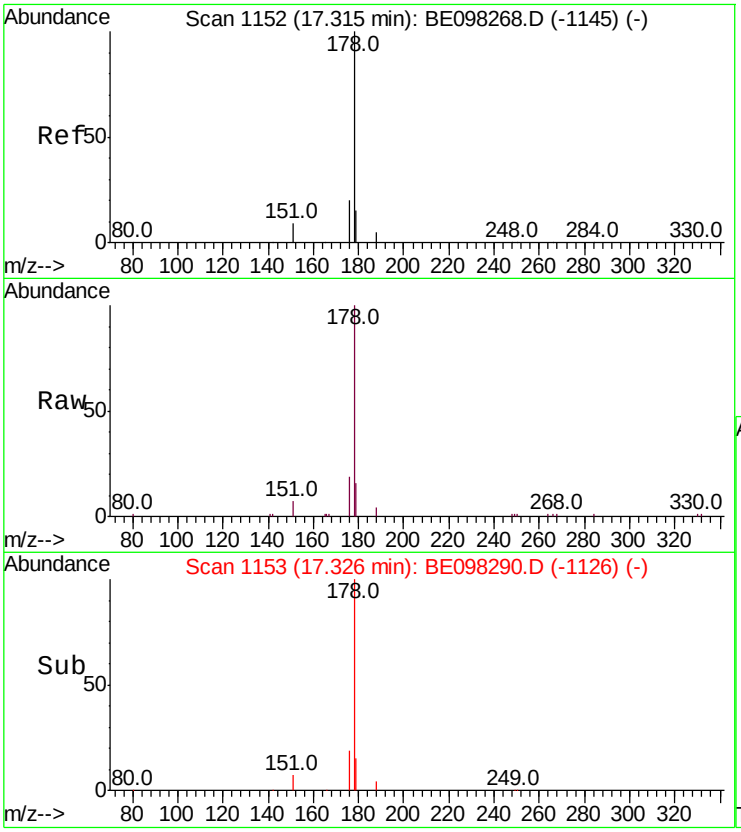


#22
Pentachlorophenol
Concen: 0.298 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:266 Resp: 752

Ion	Ratio	Lower	Upper
266	100		
264	70.6	59.0	88.4
268	69.0	55.1	82.7



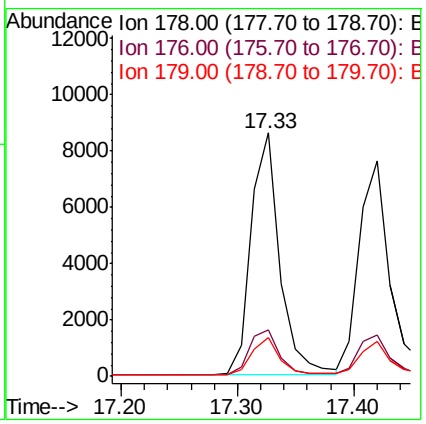


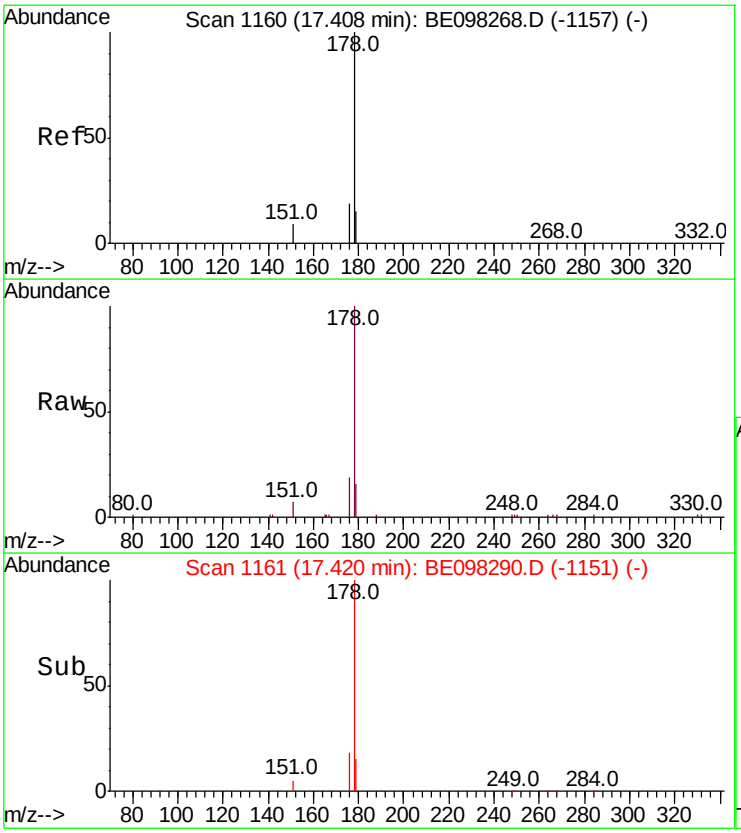
#23
Phenanthrene
Concen: 0.385 ng
RT: 17.33 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 14925

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.3	12.3	18.5

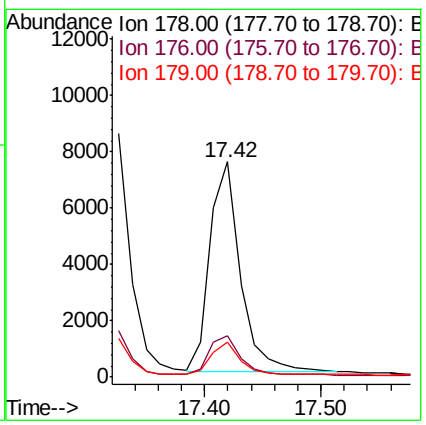


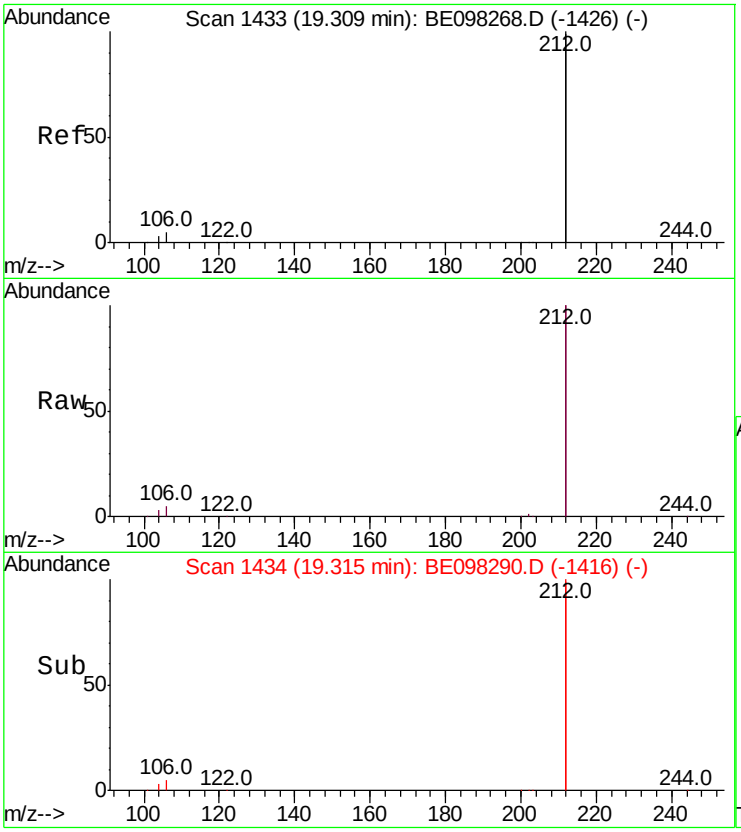


#24
Anthracene
Concen: 0.371 ng
RT: 17.42 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:178 Resp: 13409

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.0	12.3	18.5



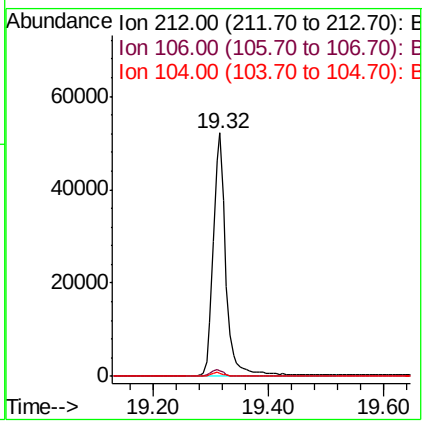


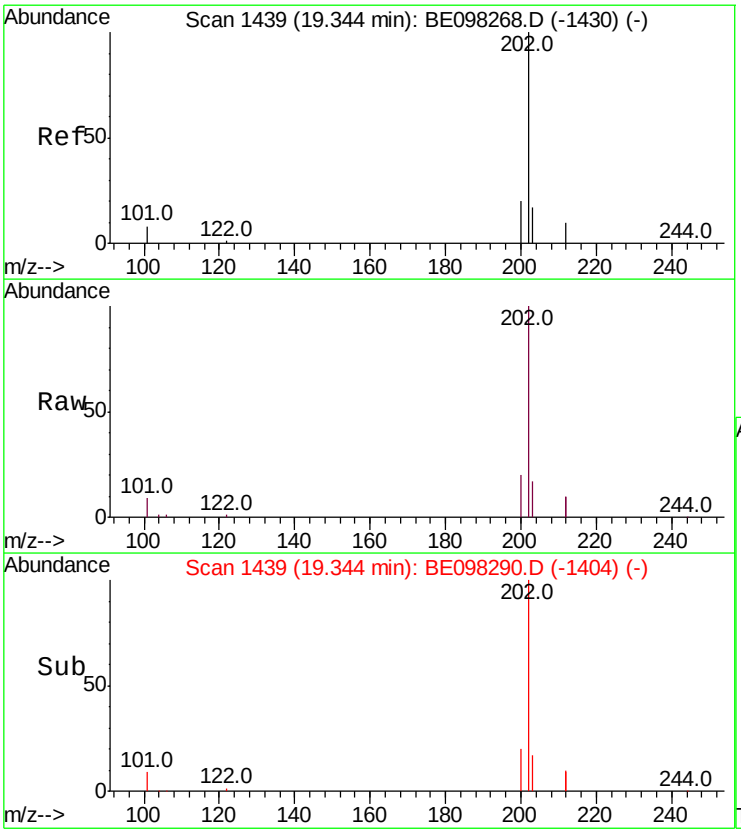
#25
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.32 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 78466

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.6	1.3	1.9

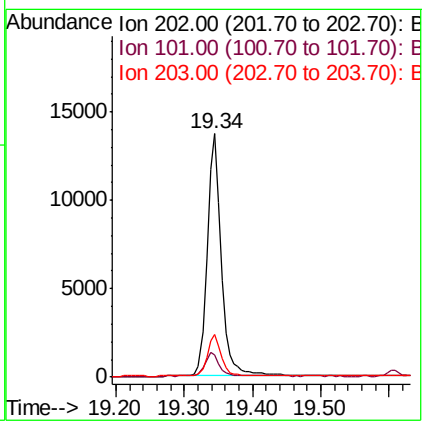


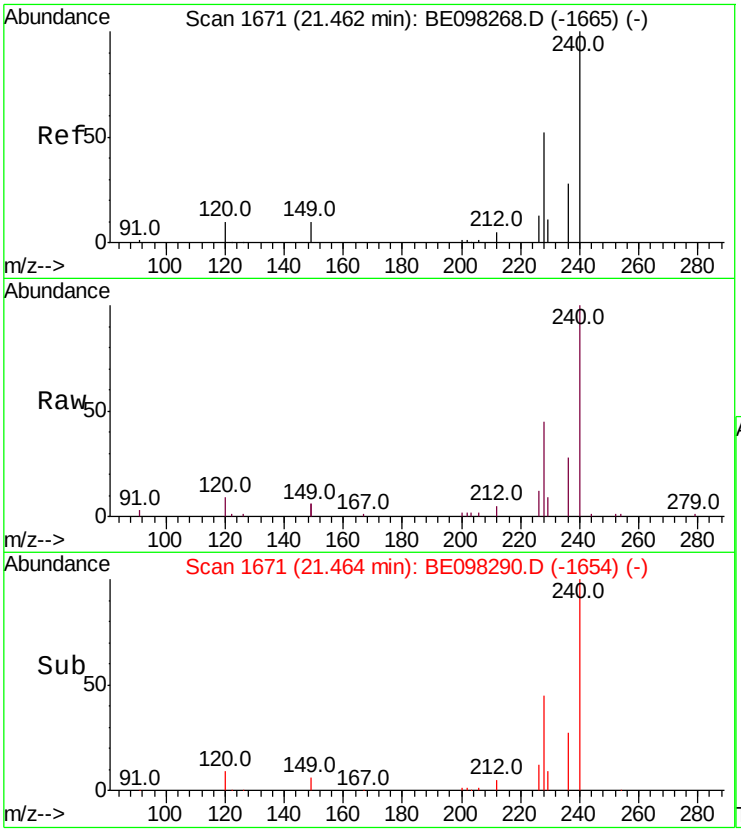


#26
Fluoranthene
Concen: 0.376 ng
RT: 19.34 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:202 Resp: 19868

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.0	12.0
203	17.0	13.8	20.6



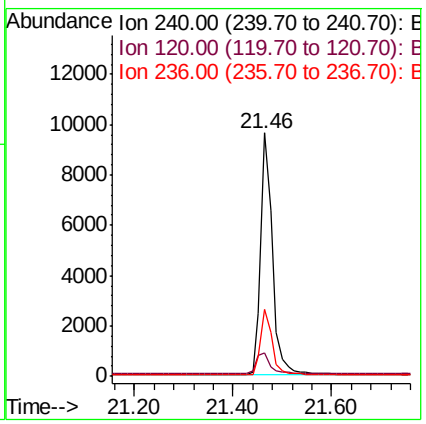


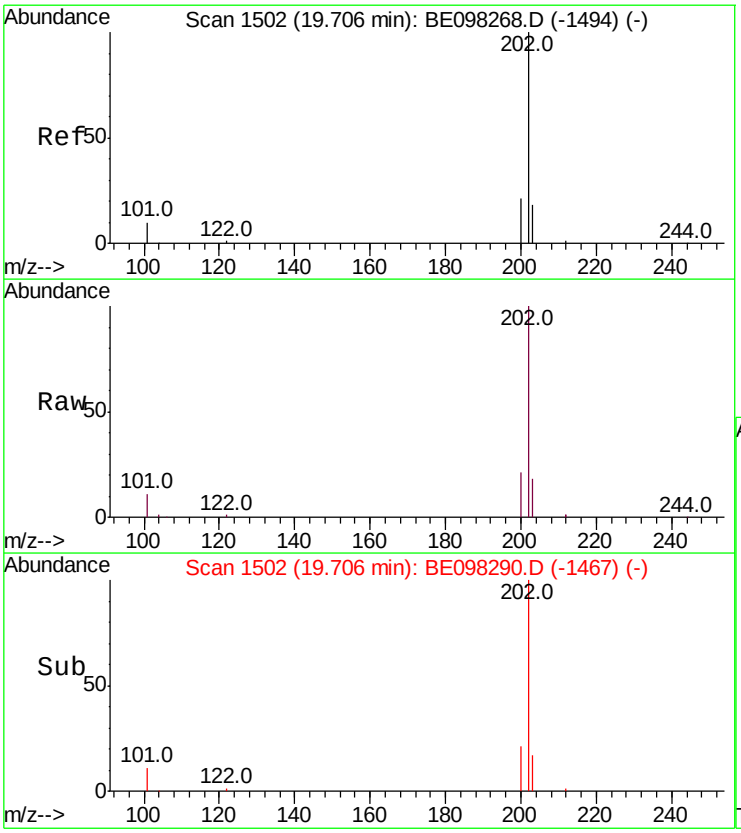
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 15992

Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	27.6	22.7	34.1

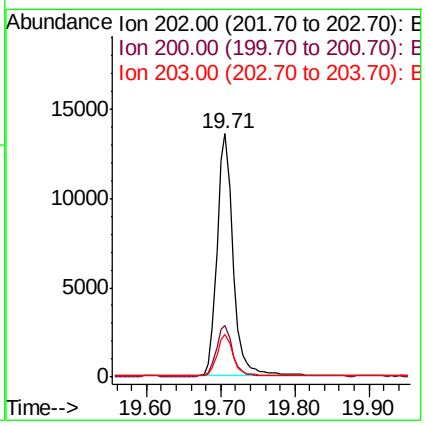


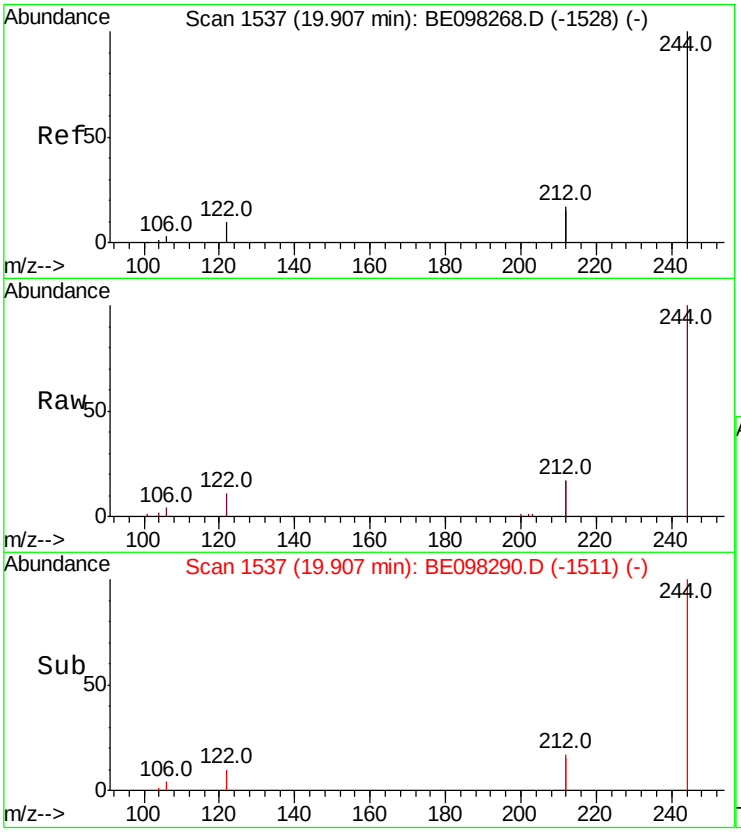


#28
Pyrene
Concen: 0.465 ng
RT: 19.71 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:202 Resp: 20610

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



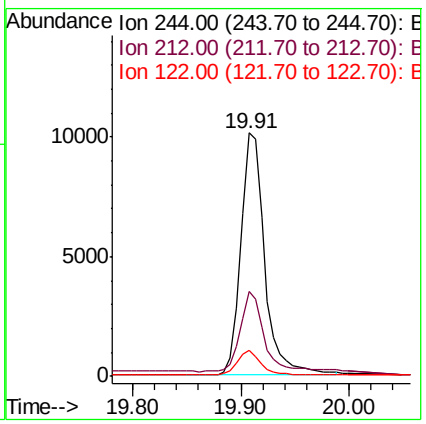


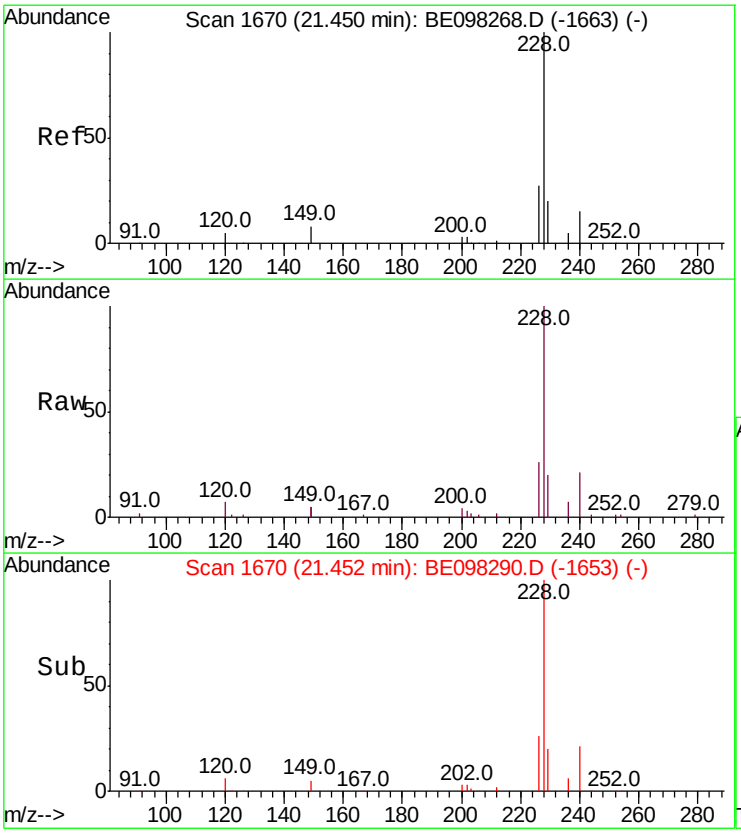
#29
Terphenyl-d14
Concen: 0.431 ng
RT: 19.91 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 15501

Ion	Ratio	Lower	Upper
244	100		
212	34.8	27.4	41.0
122	10.8	8.3	12.5

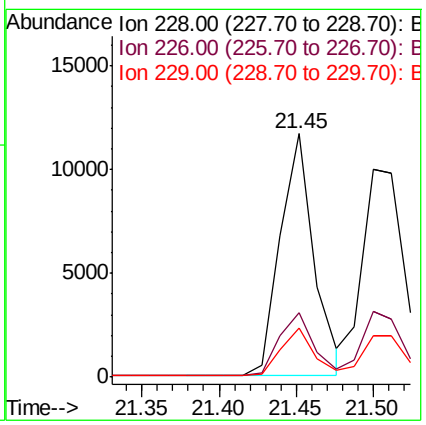


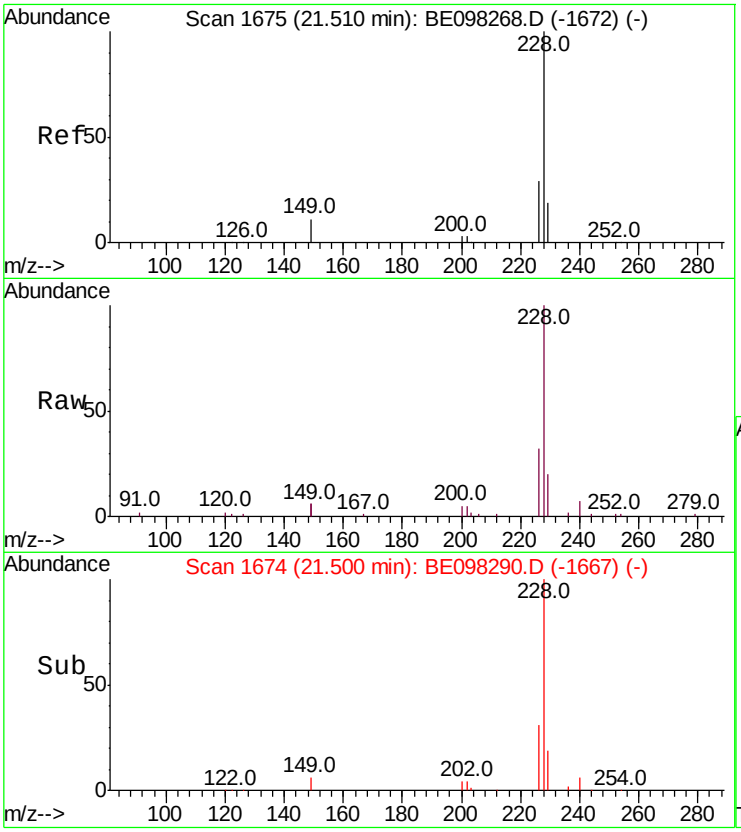


#30
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:228 Resp: 17815

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.8	32.8
229	20.1	16.3	24.5



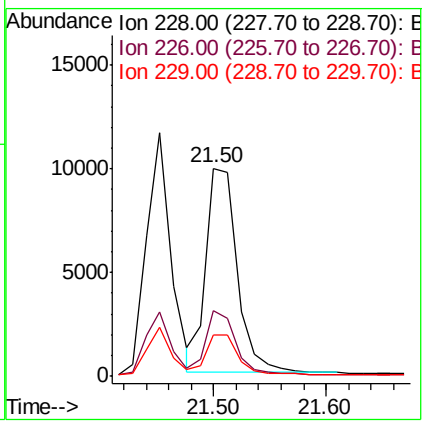


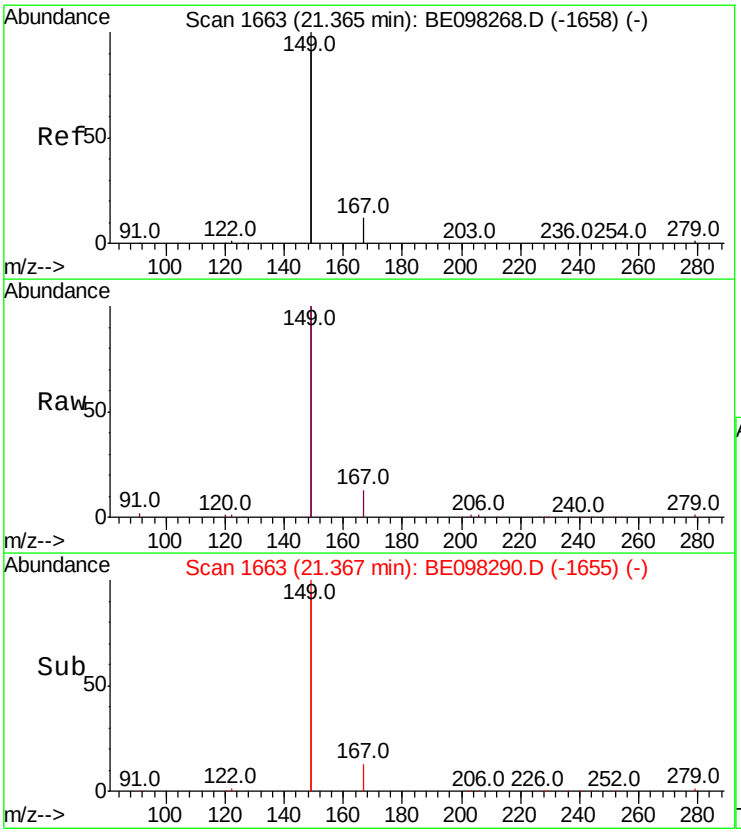
#31
Chrysene
Concen: 0.400 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.01 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 19117

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.4	35.0
229	19.7	16.2	24.4

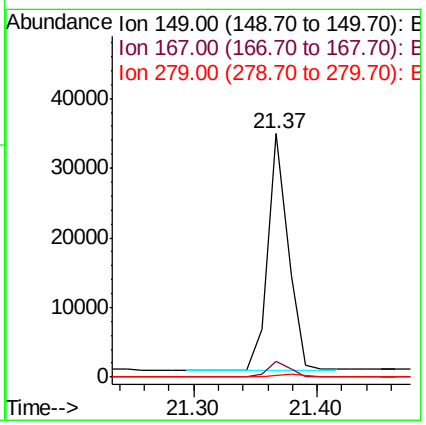


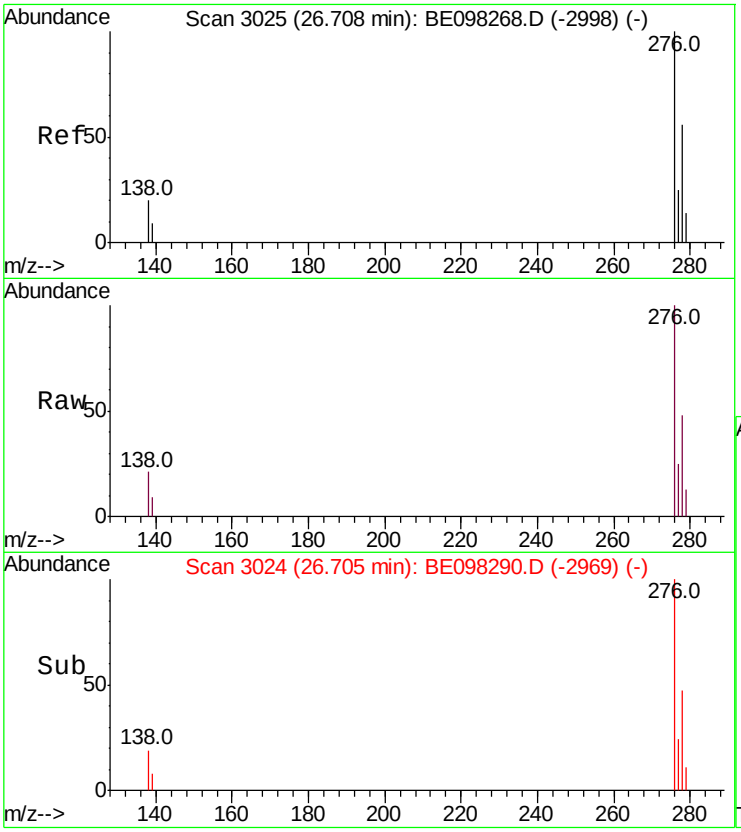


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.351 ng
RT: 21.37 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:149 Resp: 39619

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.7	8.5
279	1.1	1.0	1.4



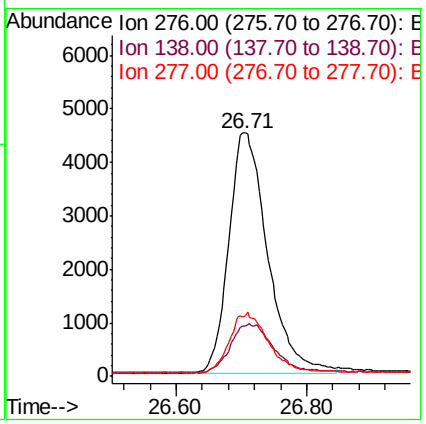


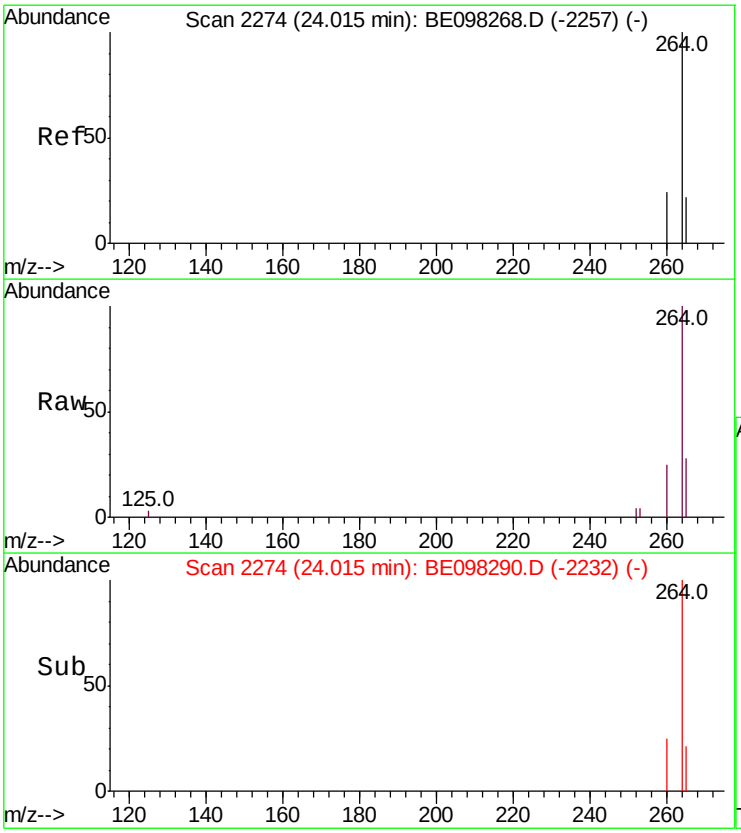
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 26.71 min Scan# 3024
Delta R.T. -0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 18671

Ion	Ratio	Lower	Upper
276	100		
138	21.7	16.3	24.5
277	24.8	20.2	30.4

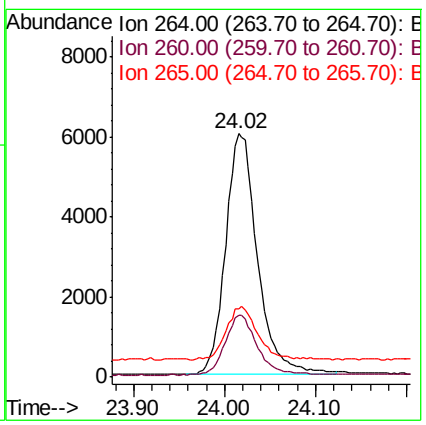


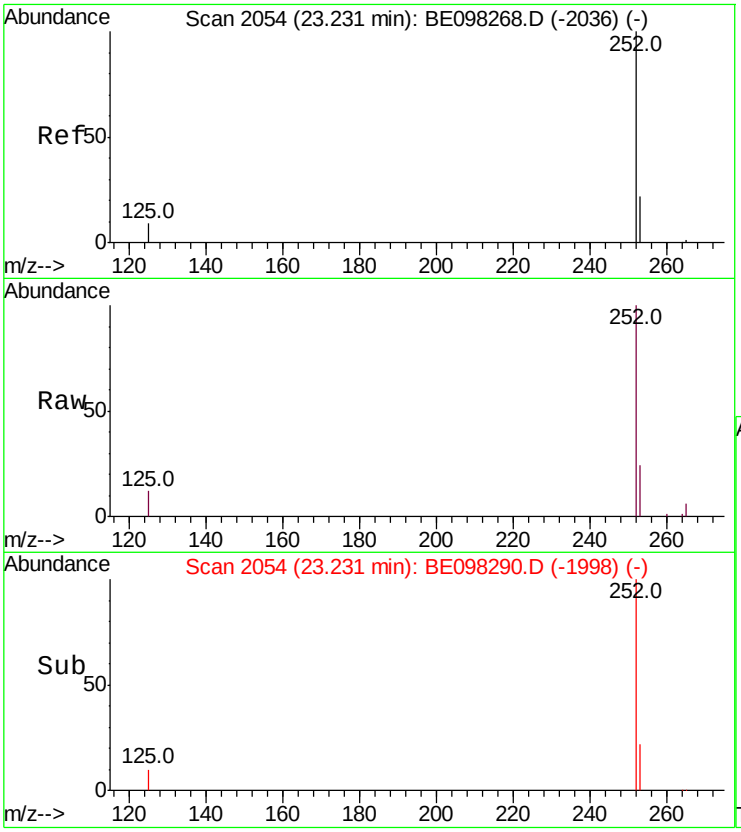


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:264 Resp: 14746

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.2	30.2
265	27.8	25.2	37.8



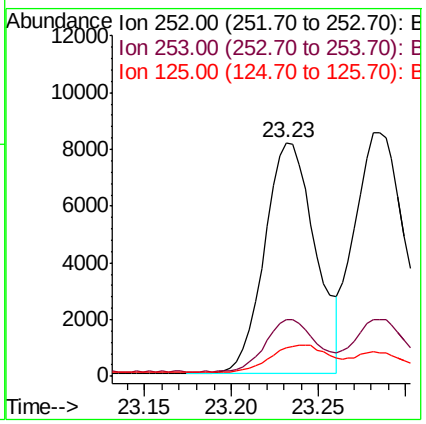


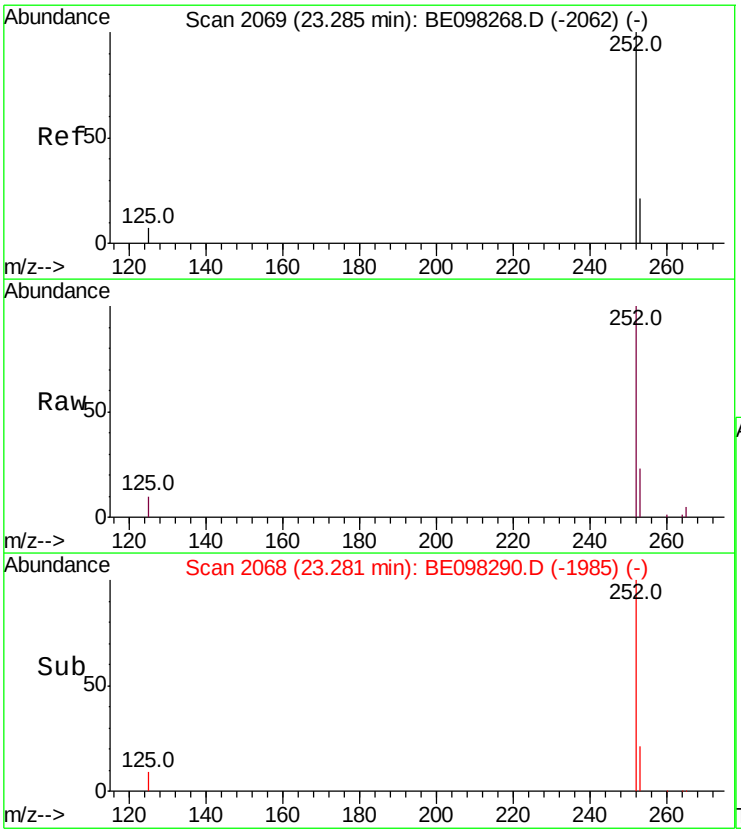
#35
Benzo(b)fluoranthene
Concen: 0.381 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 16485

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.0	30.0
125	12.0	9.6	14.4

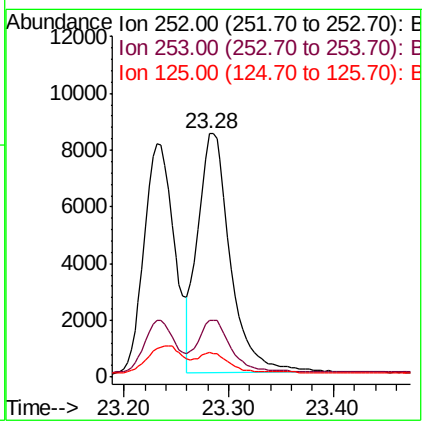


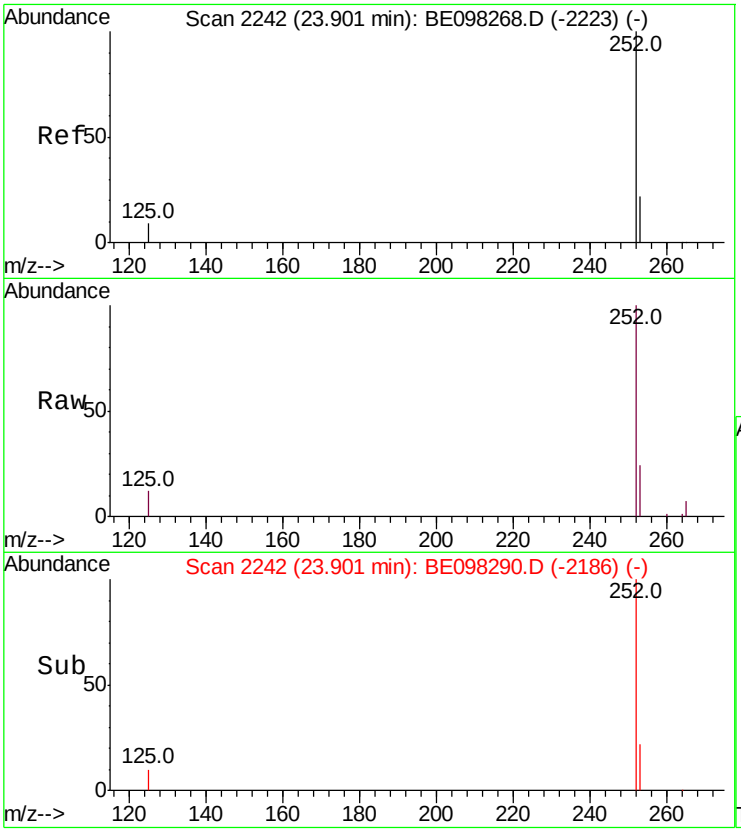


#36
Benzo(k)fluoranthene
Concen: 0.405 ng
RT: 23.28 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:252 Resp: 18372

Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.0	28.6
125	10.0	9.1	13.7



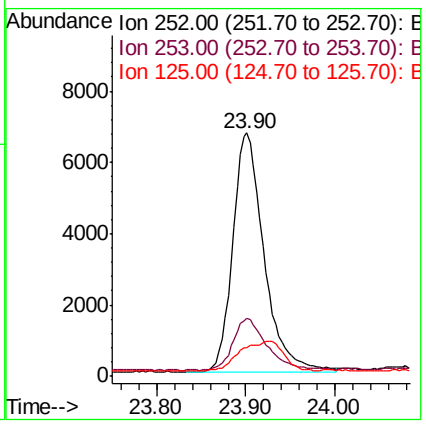


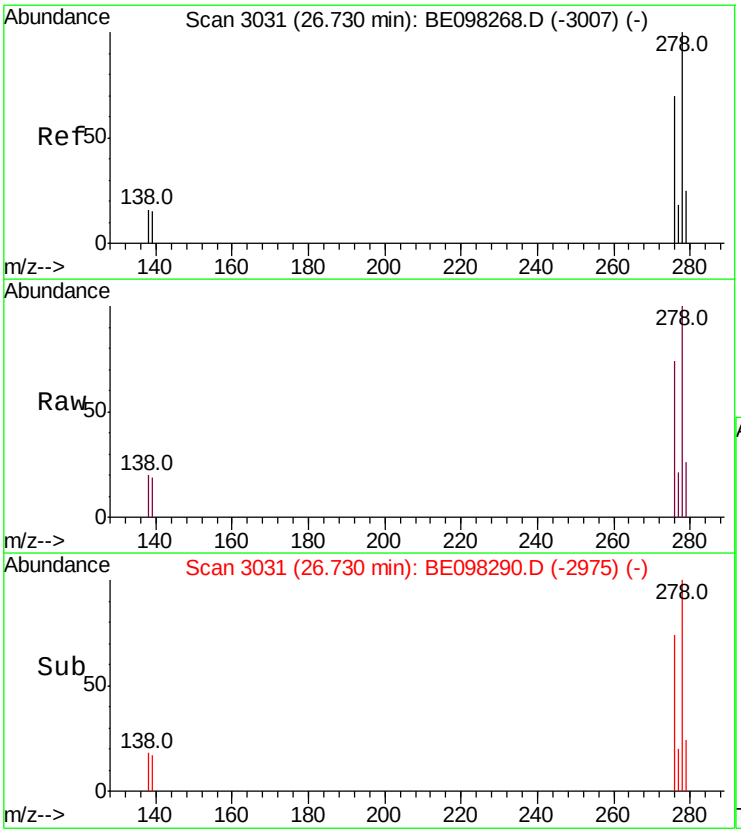
#37
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.90 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 16425

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.6	30.8
125	12.0	10.5	15.7

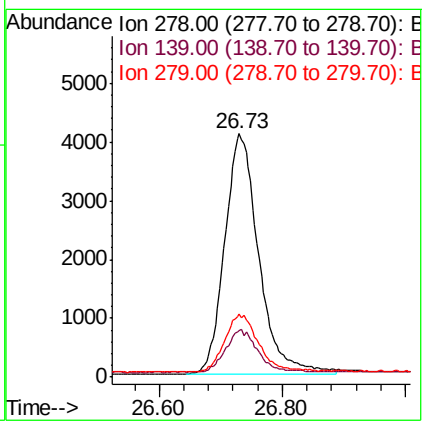


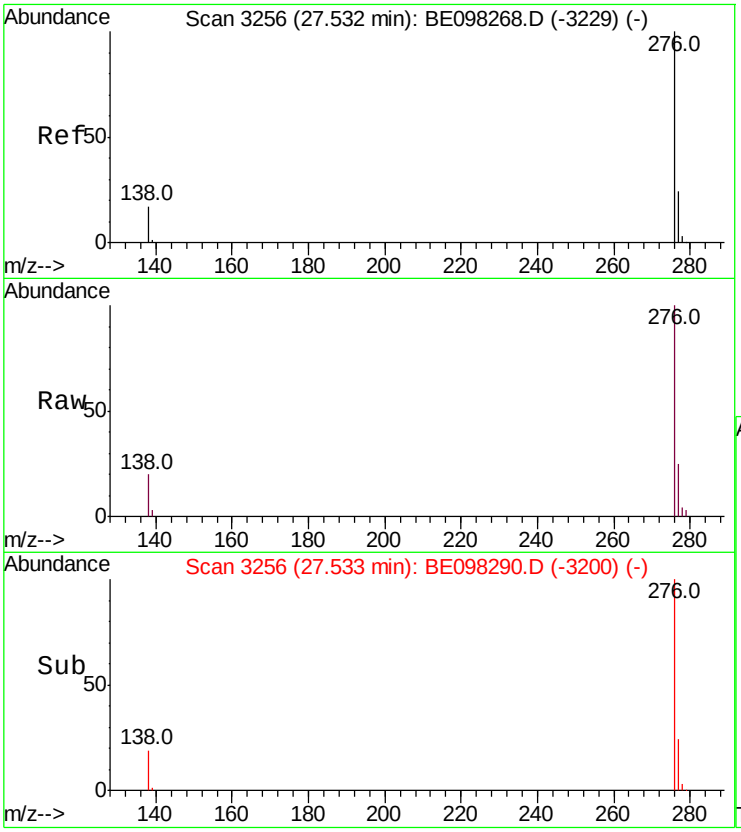


#38
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 26.73 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Tgt Ion:278 Resp: 15648

Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.5	21.7
279	25.9	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.391 ng
RT: 27.53 min Scan# 3256
Delta R.T. 0.00 min
Lab File: BE098290.D
Acq: 30 Nov 2018 17:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 15457

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.8	31.2
138	20.4	15.8	23.6