Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111418\
Data File : BE098227.D
Acq On : 14 Nov 2018 17:50
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Nov 15 03:36:51 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	7.86	152	1381	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	6399	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4123	0.40	ng		0.00
19) Phenanthrene-d10	17.28	188	9570	0.40	ng		0.00
27) Chrysene-d12	21.46	240	10667	0.40	ng		0.00
34) Perylene-d12	24.01	264	10032	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	1563	0.40	ng		0.00
5) Phenol-d6	7.03	99	2439	0.39	ng		0.00
8) Nitrobenzene-d5	9.02	82	2618	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	4567	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	587	0.33	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	7039	0.41	ng		0.00
25) Fluoranthene-d10	19.31	212	47059	0.39	ng		0.00
29) Terphenyl-d14	19.91	244	9559	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	867	0.417	ng		89
3) n-Nitrosodimethylamine	3.69	42	1012	0.373	ng	#	90
6) bis(2-Chloroethyl)ether	7.29	93	1875	0.371	ng		98
9) Naphthalene	10.72	128	26897	0.413	ng		99
10) Hexachlorobutadiene	11.00	225	1553	0.384	ng		98
12) 2-Methylnaphthalene	12.34	142	4695	0.416	ng		93
16) Acenaphthylene	14.26	152	7964	0.421	ng		98
17) Acenaphthene	14.59	154	4779	0.414	ng		99
18) Fluorene	15.57	166	6090	0.412	ng		100
20) 4-Bromophenyl-phenylether	16.46	248	2389	0.410	ng		92
21) Hexachlorobenzene	16.58	284	2511	0.414	ng		97
22) Pentachlorophenol	16.94	266	364	0.349	ng		98
23) Phenanthrene	17.32	178	9966	0.418	ng		99
24) Anthracene	17.41	178	8959	0.403	ng		99
26) Fluoranthene	19.34	202	11834	0.401	ng		98
28) Pyrene	19.70	202	12183	0.415	ng		99
30) Benzo(a)anthracene	21.44	228	12300	0.406	ng		96
31) Chrysene	21.50	228	12786	0.415	ng		99
32) Bis(2-ethylhexyl)phthalate	21.37	149	23763	0.378	ng		100
33) Indeno(1,2,3-cd)pyrene	26.71	276	11930	0.423	ng	#	91
35) Benzo(b)fluoranthene	23.23	252	11831	0.416	ng		98
36) Benzo(k)fluoranthene	23.28	252	12797	0.426	ng		100
37) Benzo(a)pyrene	23.89	252	11229	0.411	ng		98
38) Dibenzo(a,h)anthracene	26.73	278	9382	0.404	ng		99
39) Benzo(g,h,i)perylene	27.53	276	9935	0.409	ng		97

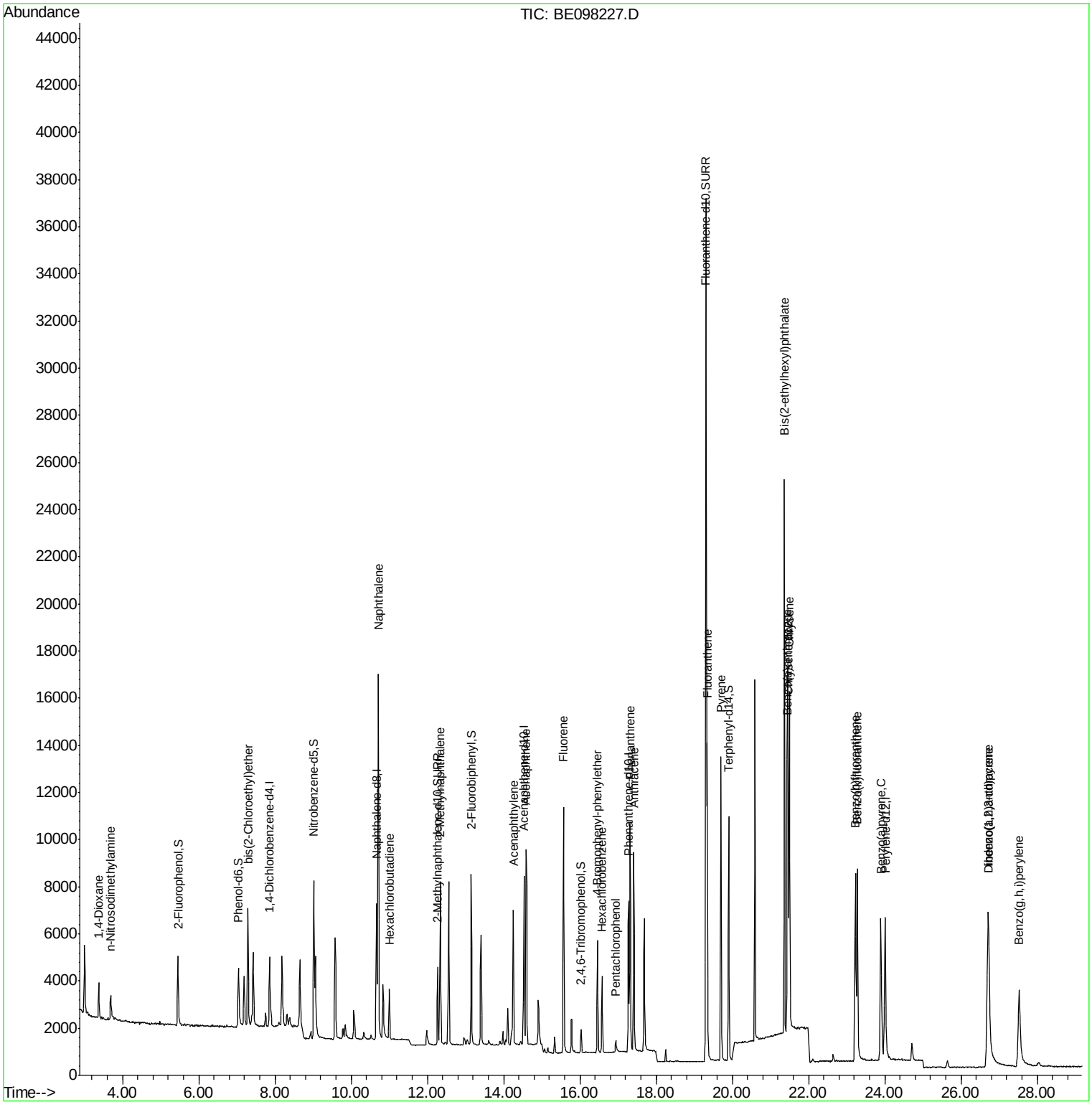
(#) = qualifier out of range (m) = manual integration (+) = signals summed

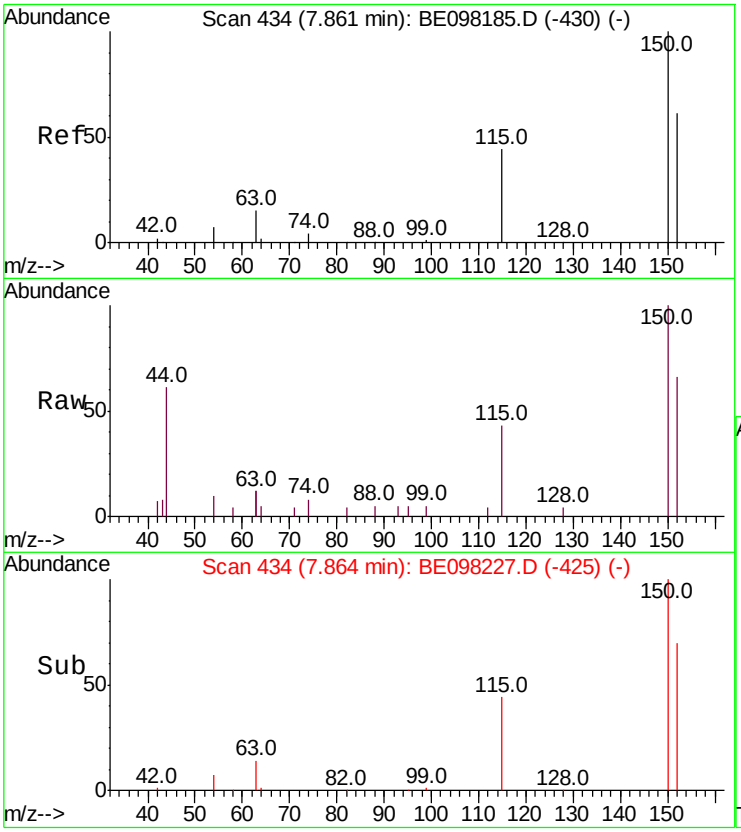
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111418\
Data File : BE098227.D
Acq On : 14 Nov 2018 17:50
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 15 03:36:51 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



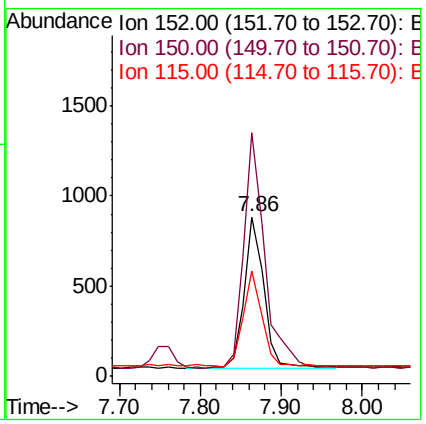


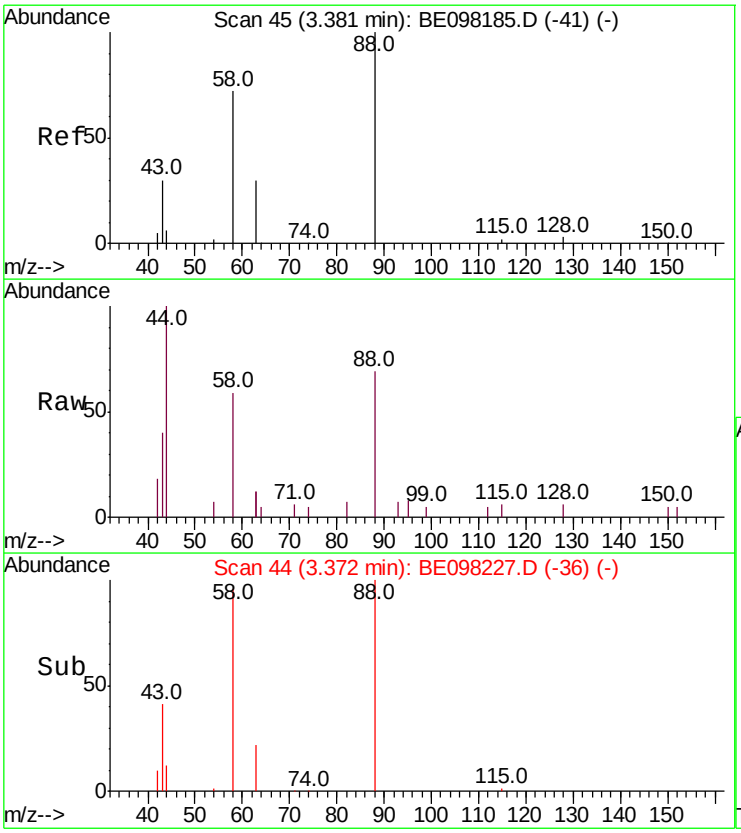
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1381

Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.5	191.3
115	66.3	60.3	90.5

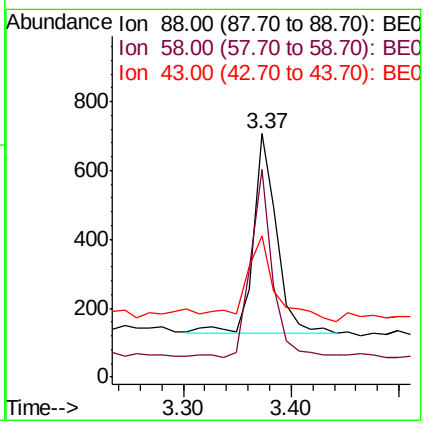


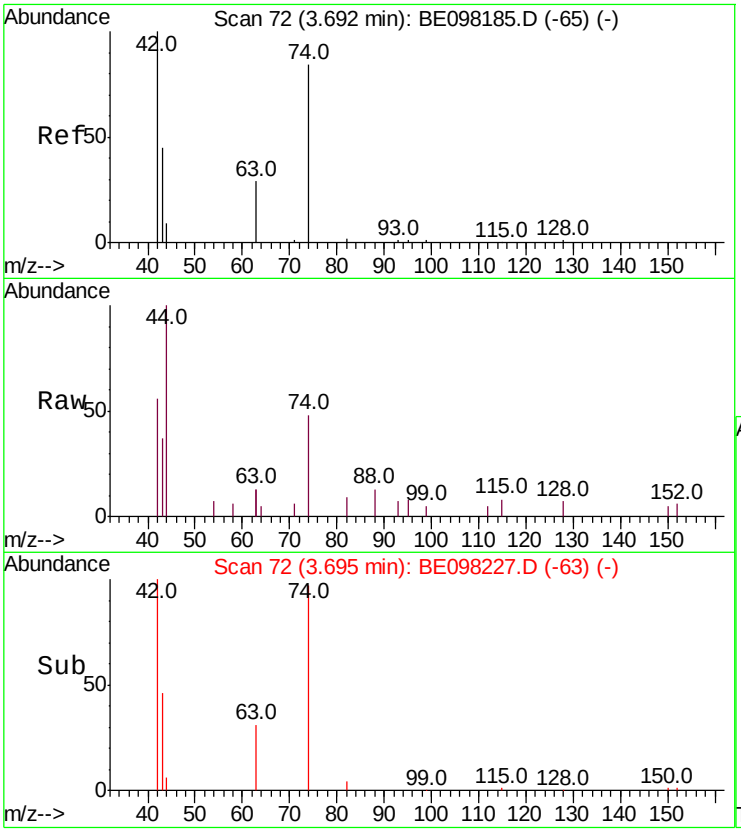


#2
1,4-Dioxane
Concen: 0.417 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion: 88 Resp: 867

Ion	Ratio	Lower	Upper
88	100		
58	87.4	79.0	118.4
43	53.7	38.1	57.1



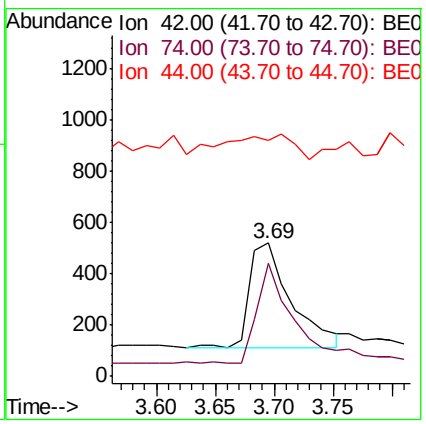


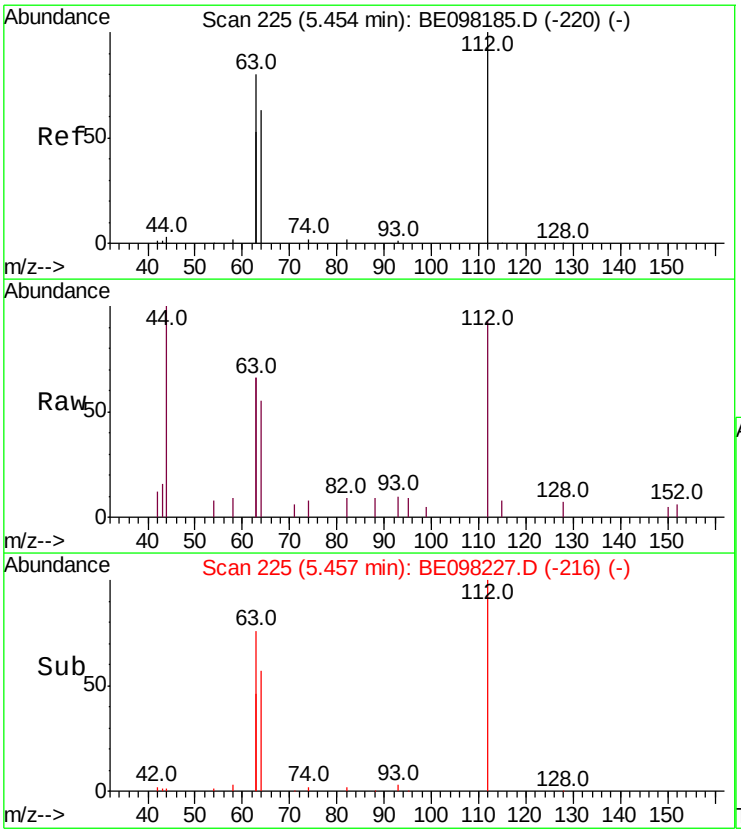
#3
n-Nitrosodimethylamine
Concen: 0.373 ng
RT: 3.69 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1012

Ion	Ratio	Lower	Upper
42	100		
74	81.4	61.7	92.5
44	32.0	14.0	21.0#

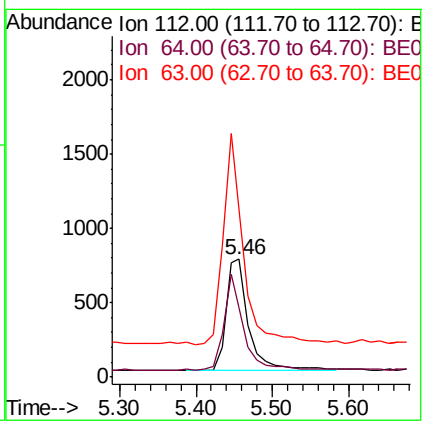


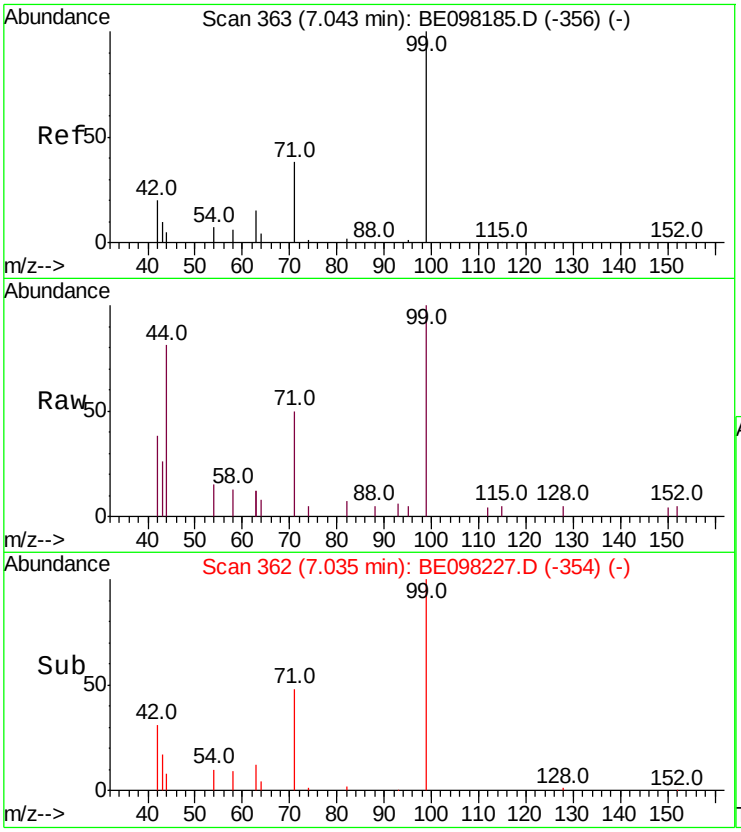


#4
2-Fluorophenol
Concen: 0.401 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:112 Resp: 1563

Ion	Ratio	Lower	Upper
112	100		
64	75.2	61.7	92.5
63	169.4	136.2	204.2



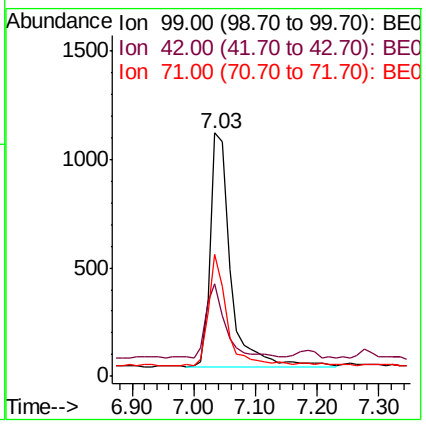


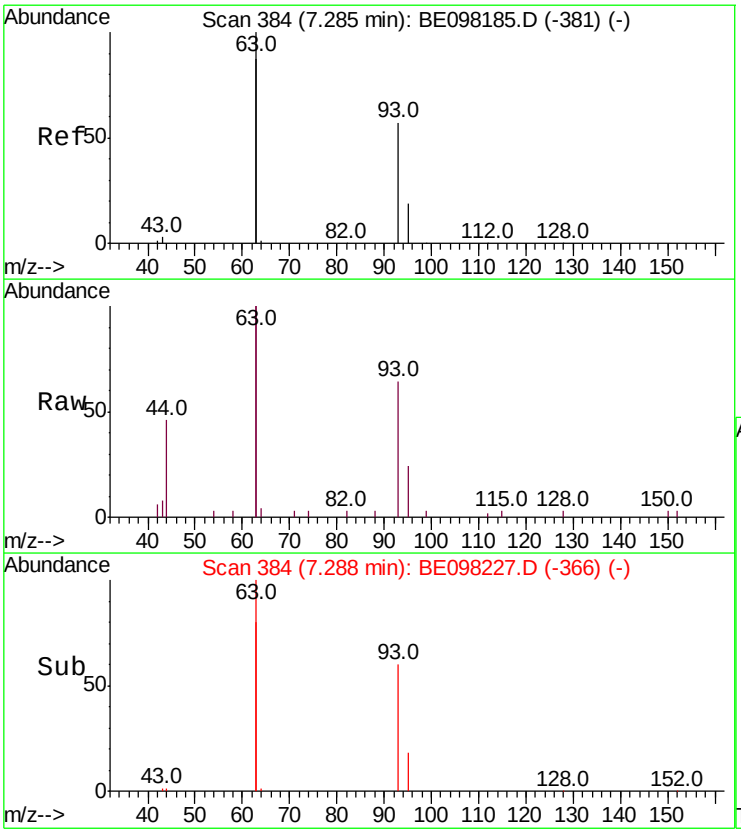
#5
Phenol-d6
Concen: 0.389 ng
RT: 7.03 min Scan# 362
Delta R.T. -0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2439

Ion	Ratio	Lower	Upper
99	100		
42	29.6	27.1	40.7
71	42.7	37.0	55.6

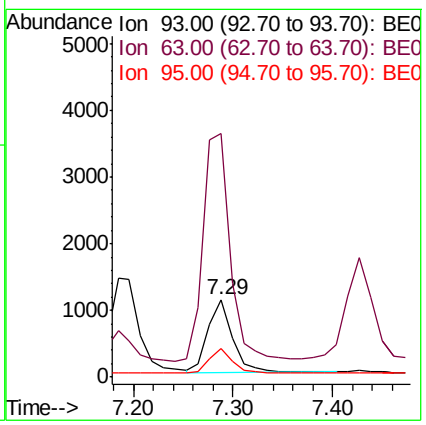


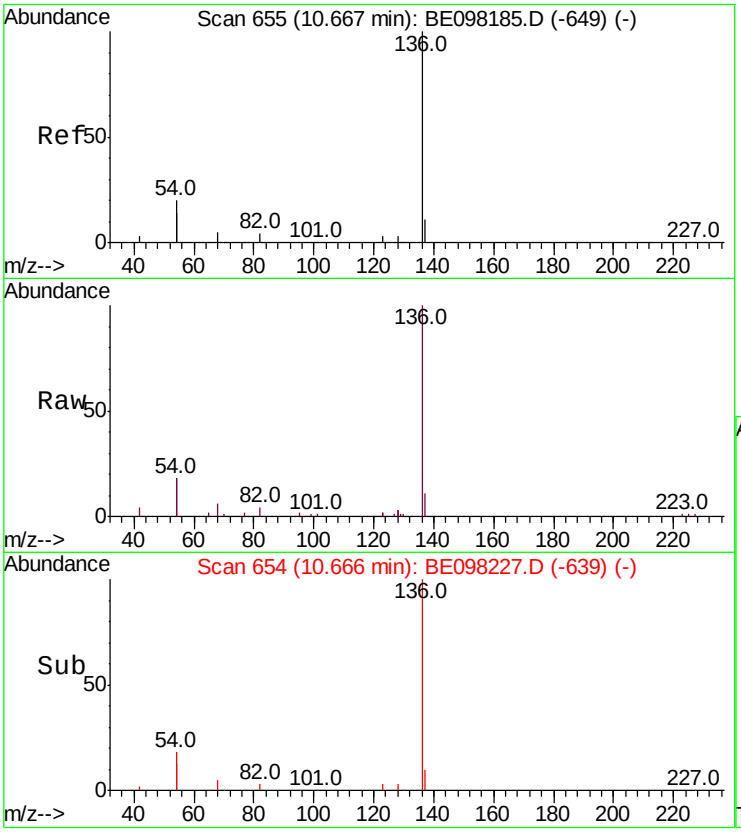


#6
bis(2-Chloroethyl)ether
Concen: 0.371 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion: 93 Resp: 1875

Ion	Ratio	Lower	Upper
93	100		
63	343.6	272.6	409.0
95	31.1	27.1	40.7



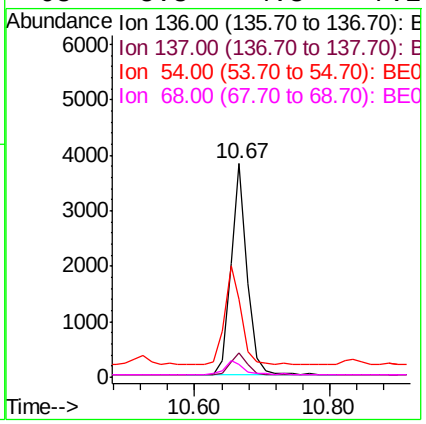


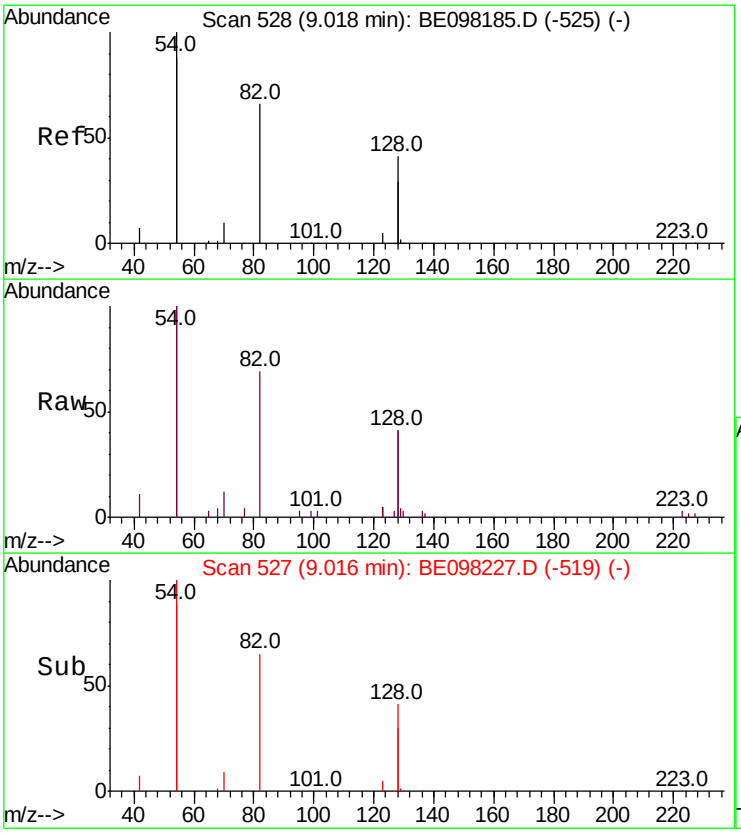
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 6399

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.5	14.3
54	36.4	31.3	46.9
68	5.8	4.8	7.2

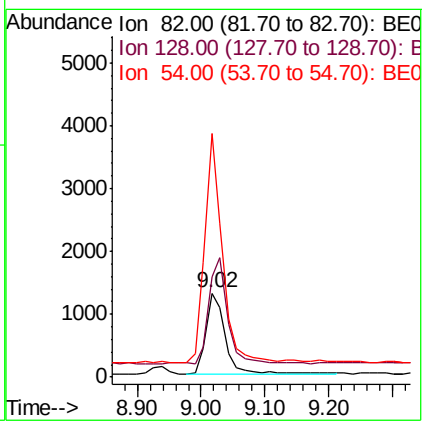


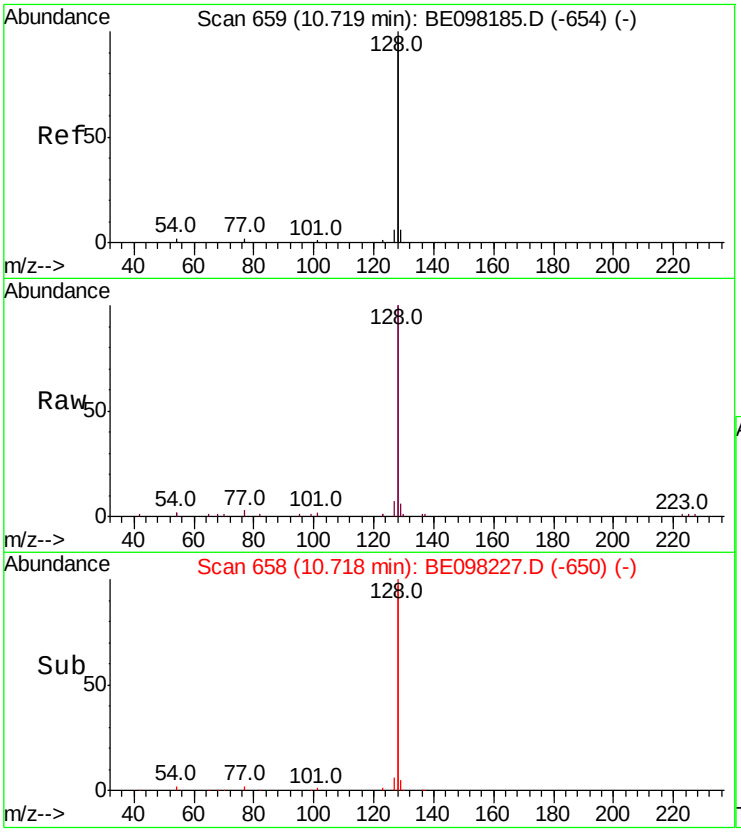


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion: 82 Resp: 2618

Ion	Ratio	Lower	Upper
82	100		
128	119.3	96.1	144.1
54	290.6	232.0	348.0



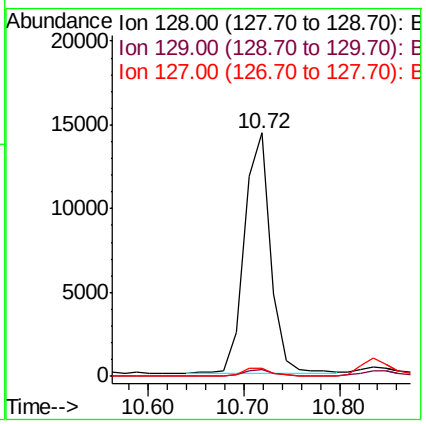


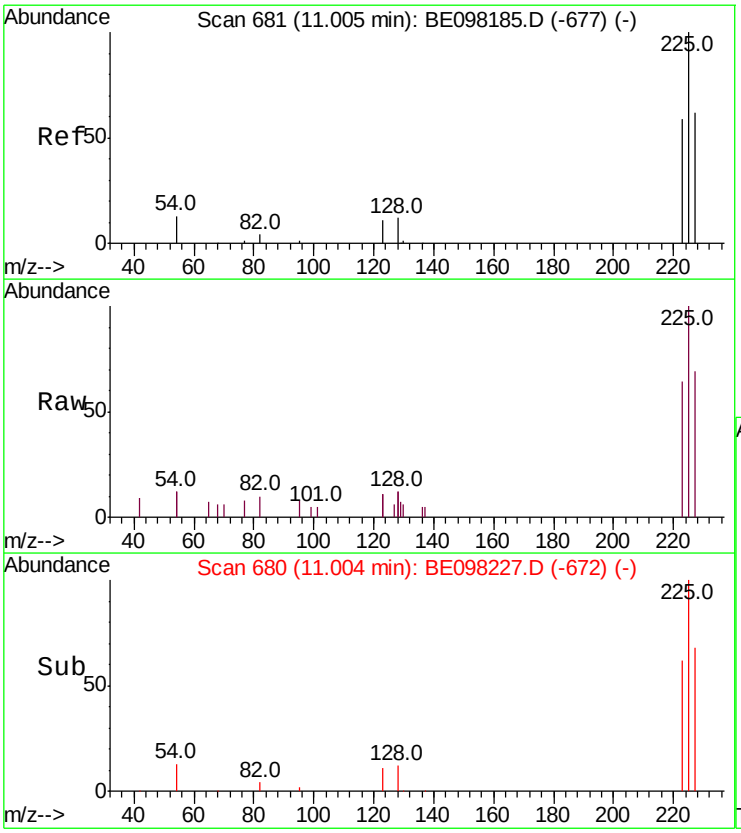
#9
Naphthalene
Concen: 0.413 ng
RT: 10.72 min Scan# 658
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 26897

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	4.0
127	3.6	2.8	4.2

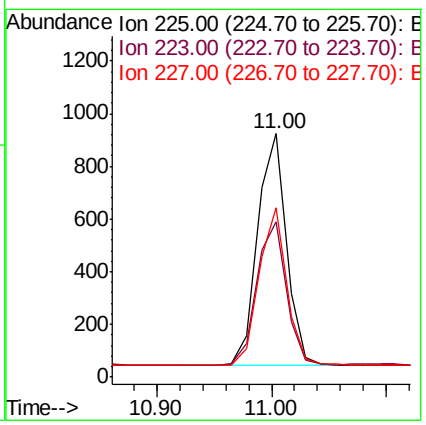


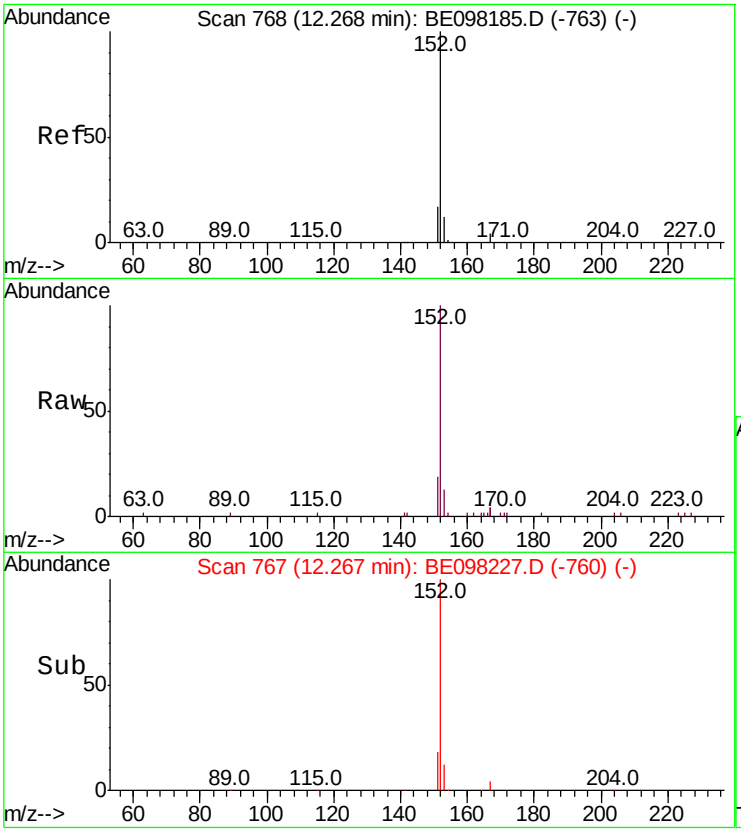


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 11.00 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:225 Resp: 1553

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7
227	65.4	50.3	75.5



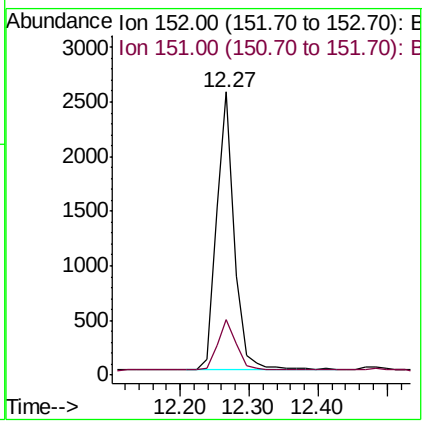


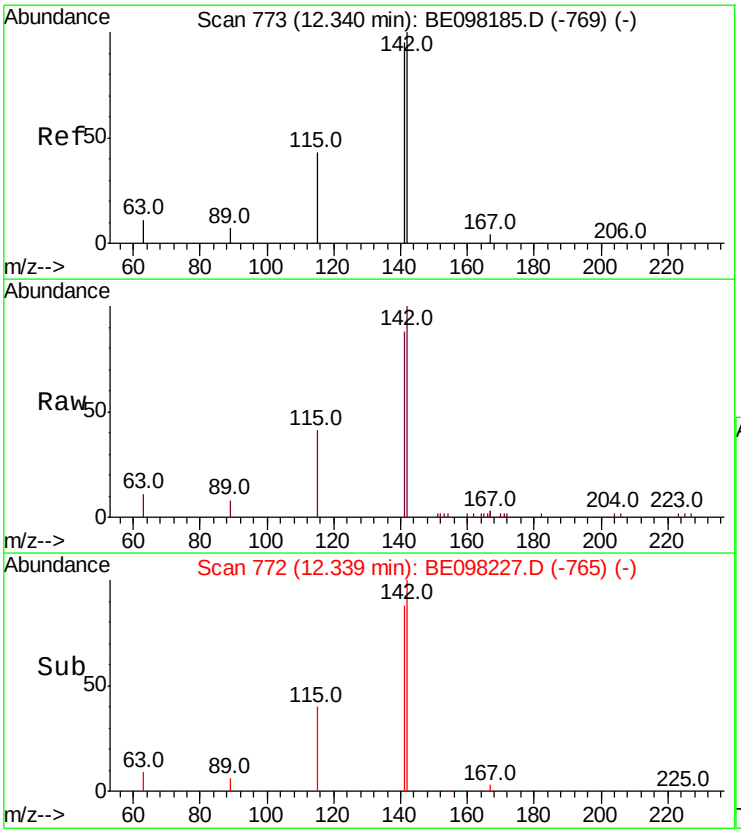
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4567

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2

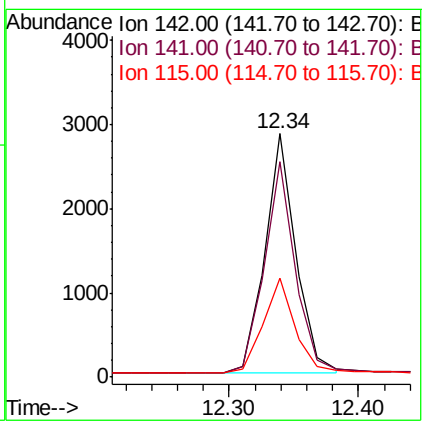


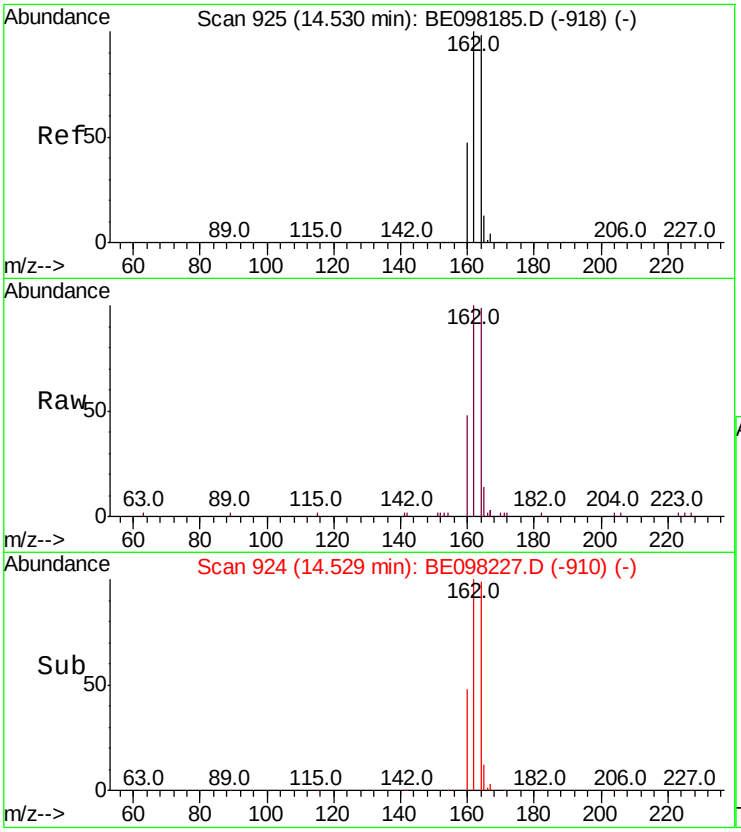


#12
2-Methylnaphthalene
Concen: 0.416 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:142 Resp: 4695

Ion	Ratio	Lower	Upper
142	100		
141	88.3	76.3	114.5
115	40.8	35.8	53.8



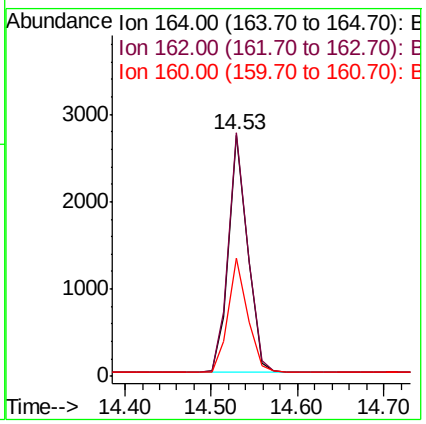


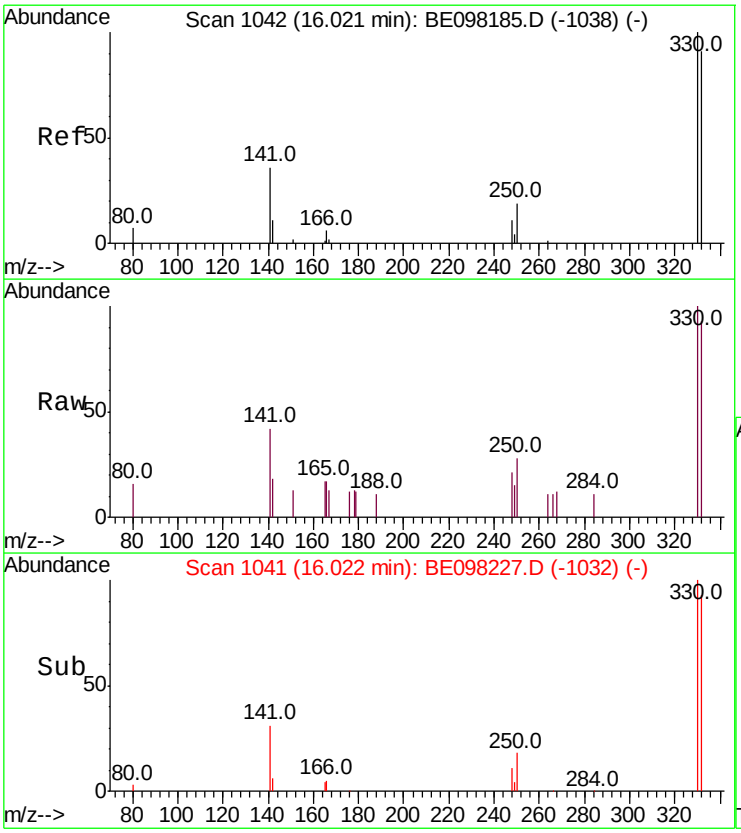
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4123

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.6
160	48.8	39.4	59.0

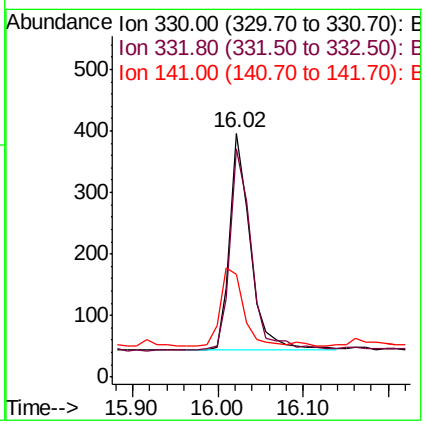


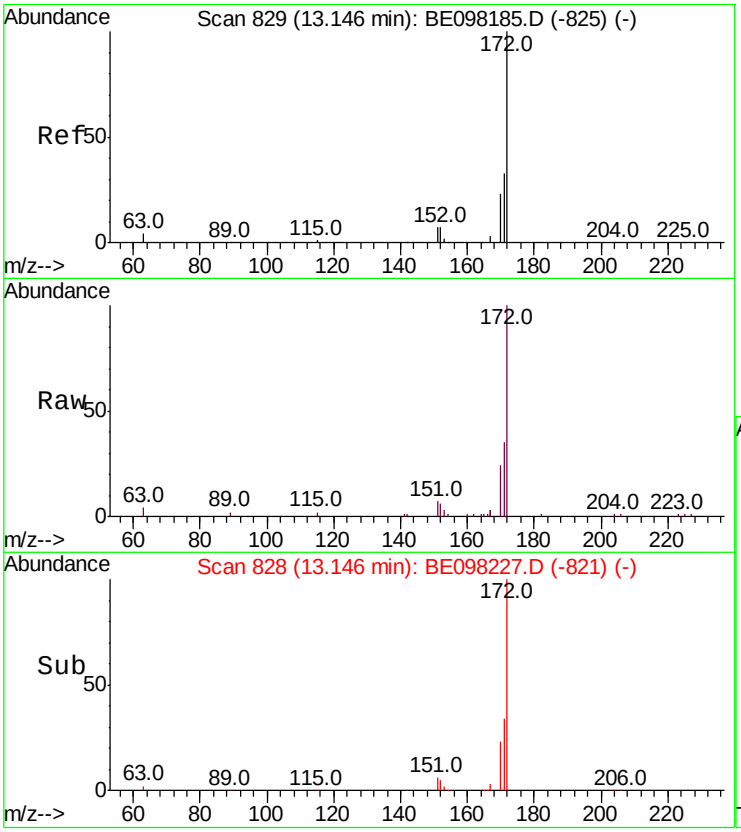


#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:330 Resp: 587

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.7	116.5
141	39.7	33.6	50.4



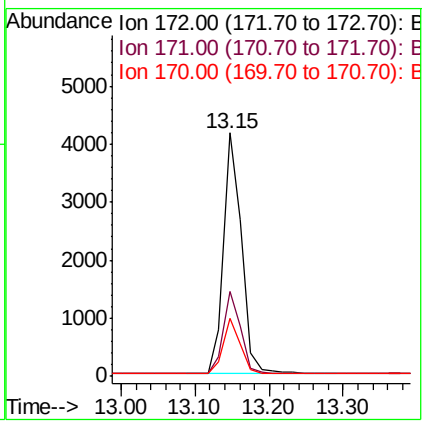


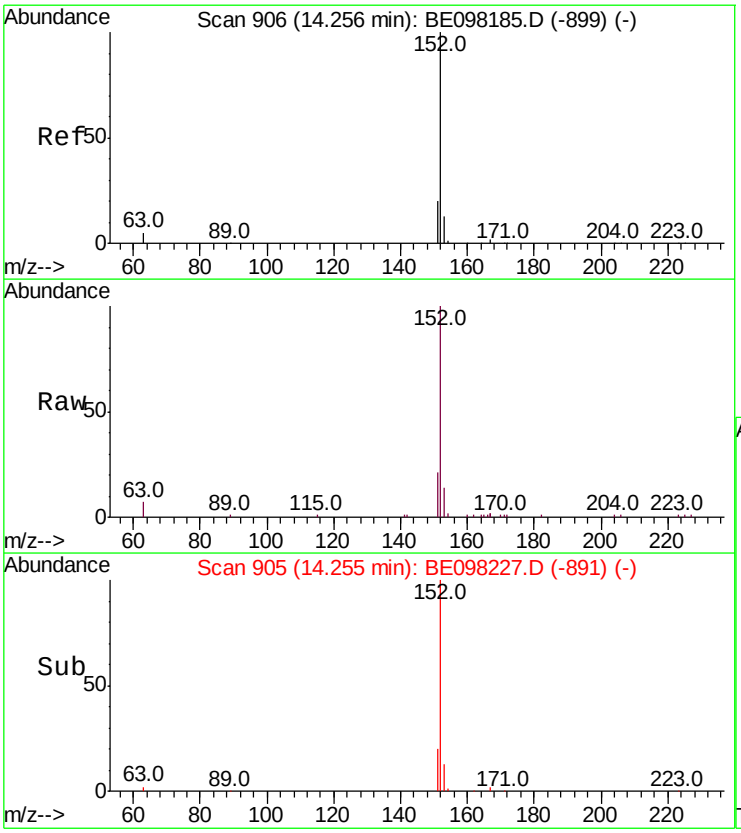
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 7039

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.3	40.9
170	23.6	19.4	29.0

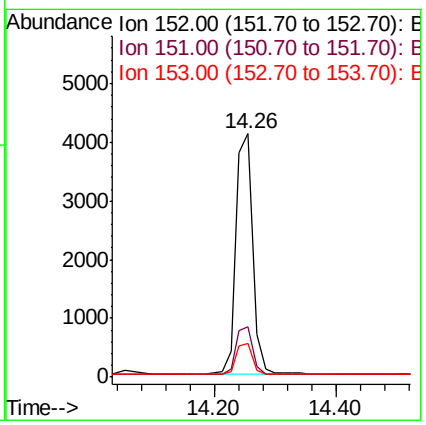


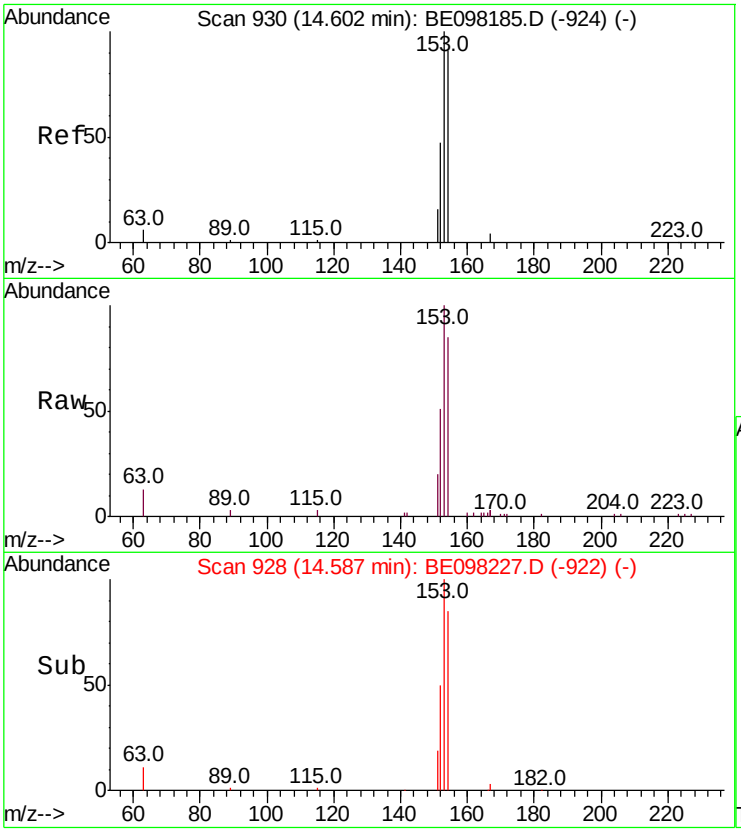


#16
Acenaphthylene
Concen: 0.421 ng
RT: 14.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:152 Resp: 7964

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.4	24.6
153	12.8	10.6	15.8



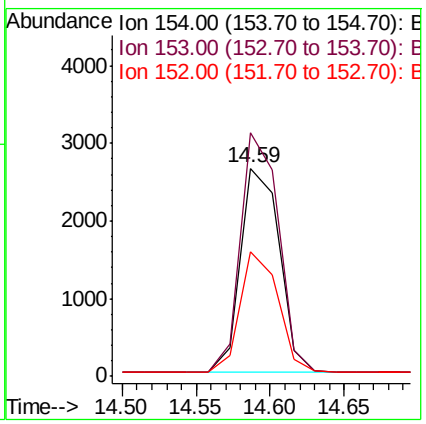


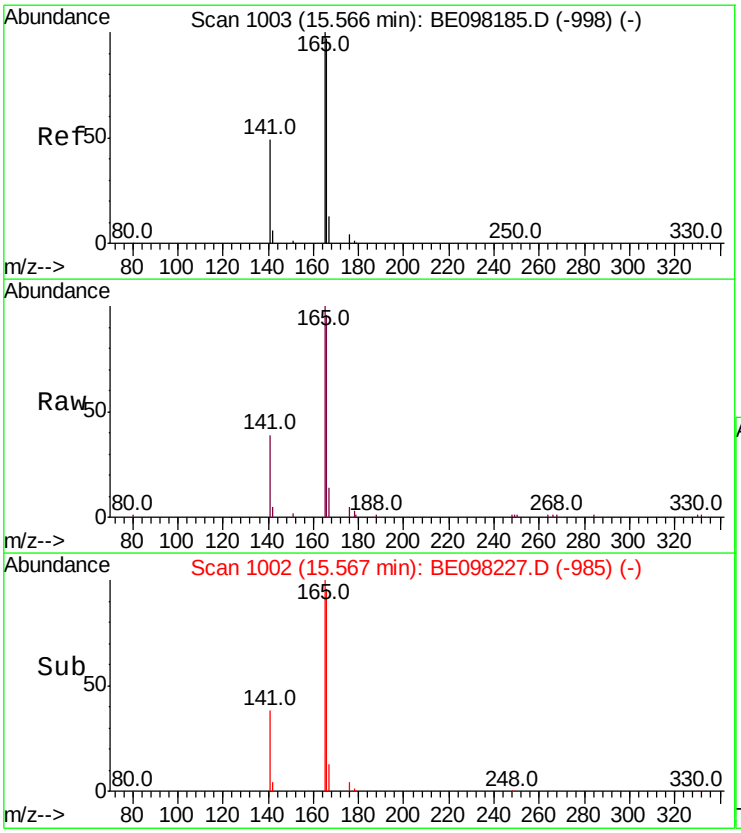
#17
Acenaphthene
Concen: 0.414 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 4779

Ion	Ratio	Lower	Upper
154	100		
153	115.6	92.1	138.1
152	58.6	46.2	69.2

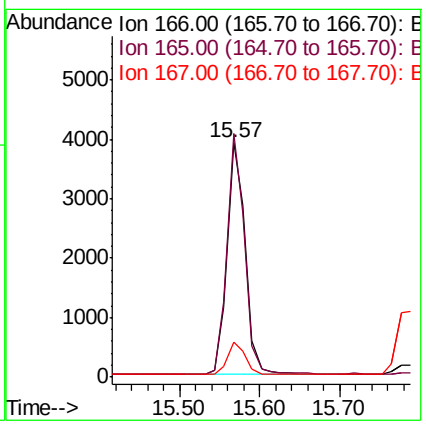


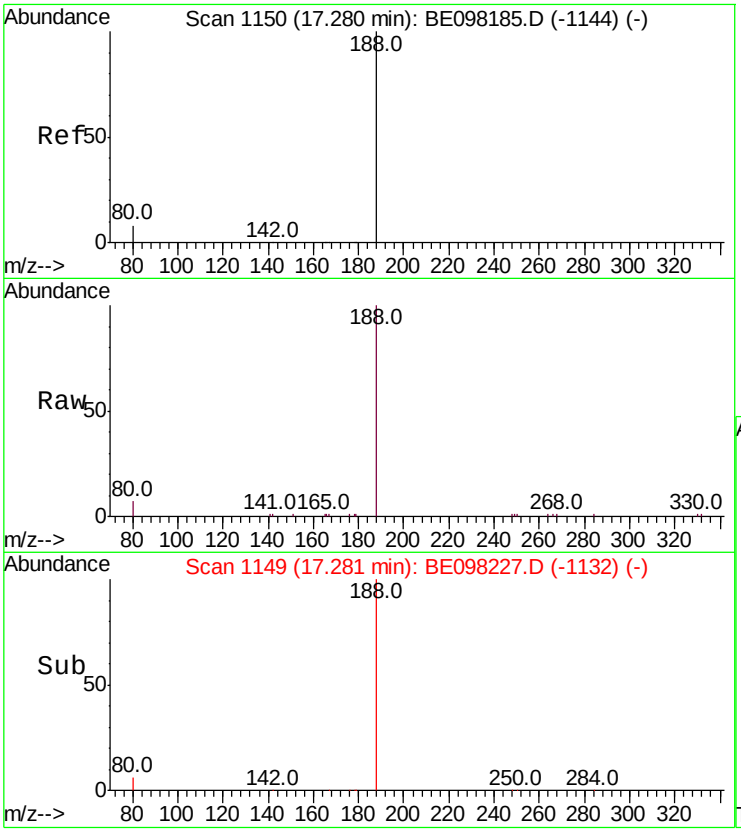


#18
Fluorene
Concen: 0.412 ng
RT: 15.57 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:166 Resp: 6090

Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.1	120.1
167	13.9	10.8	16.2



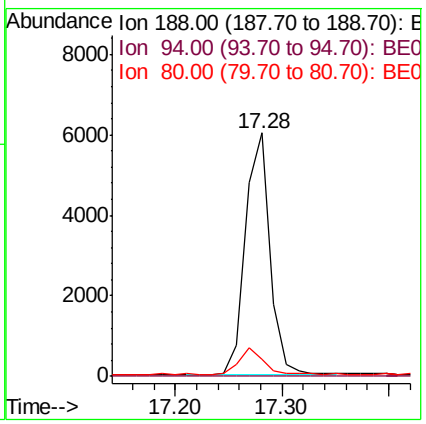


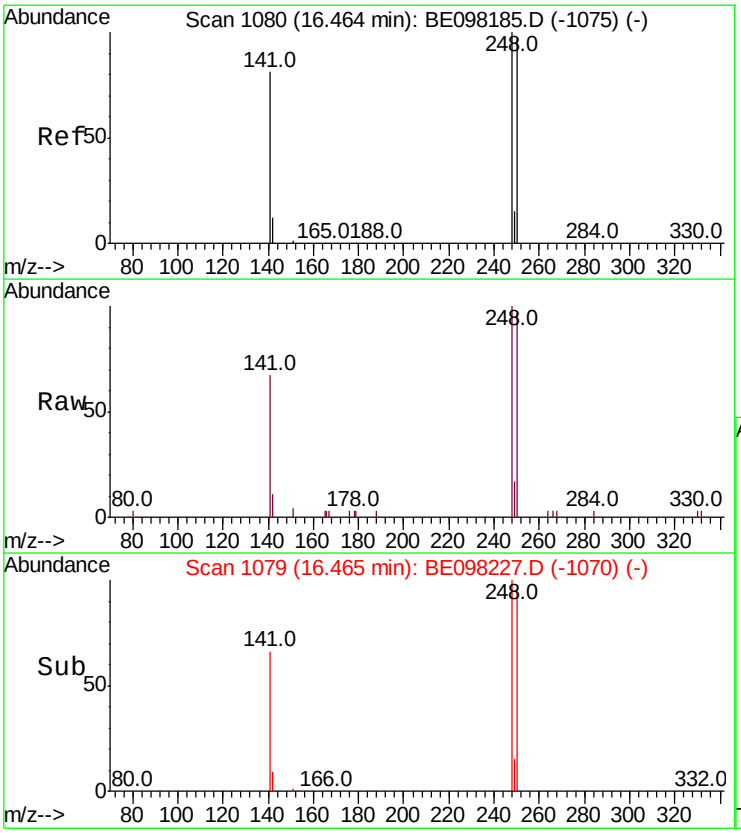
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 9570

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.1	6.7	10.1

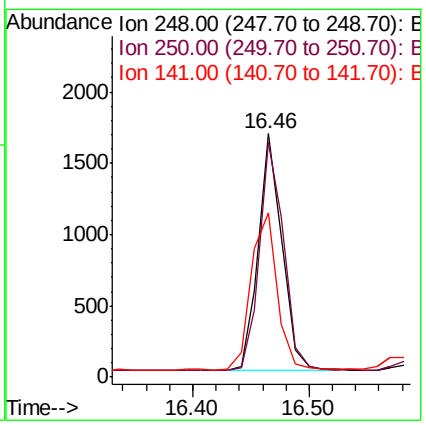


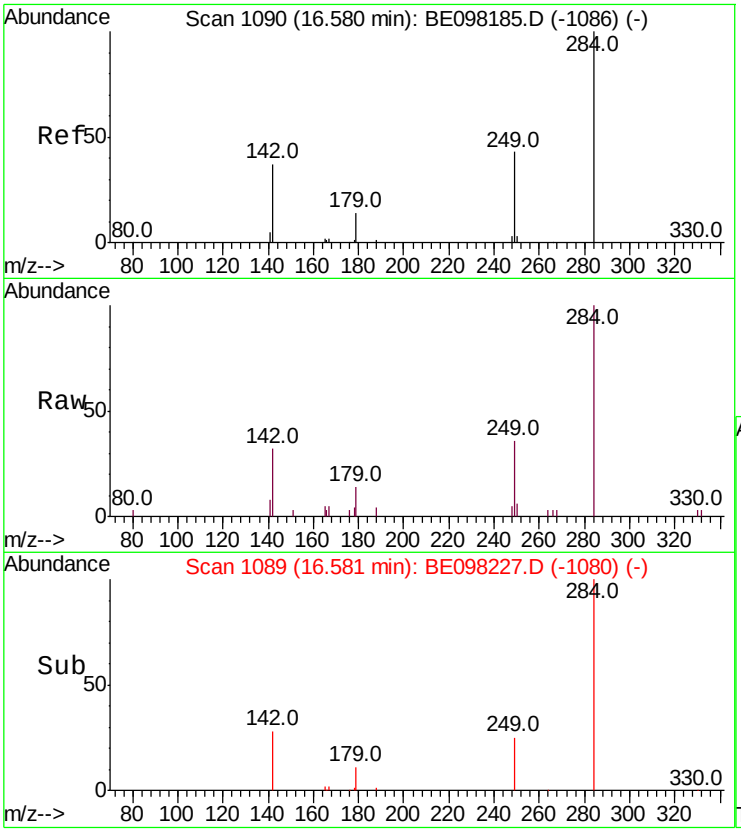


#20
4-Bromophenyl-phenylether
Concen: 0.410 ng
RT: 16.46 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:248 Resp: 2389

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.6	116.4
141	67.3	65.8	98.8



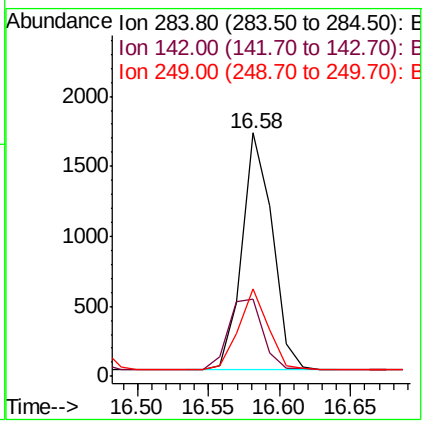


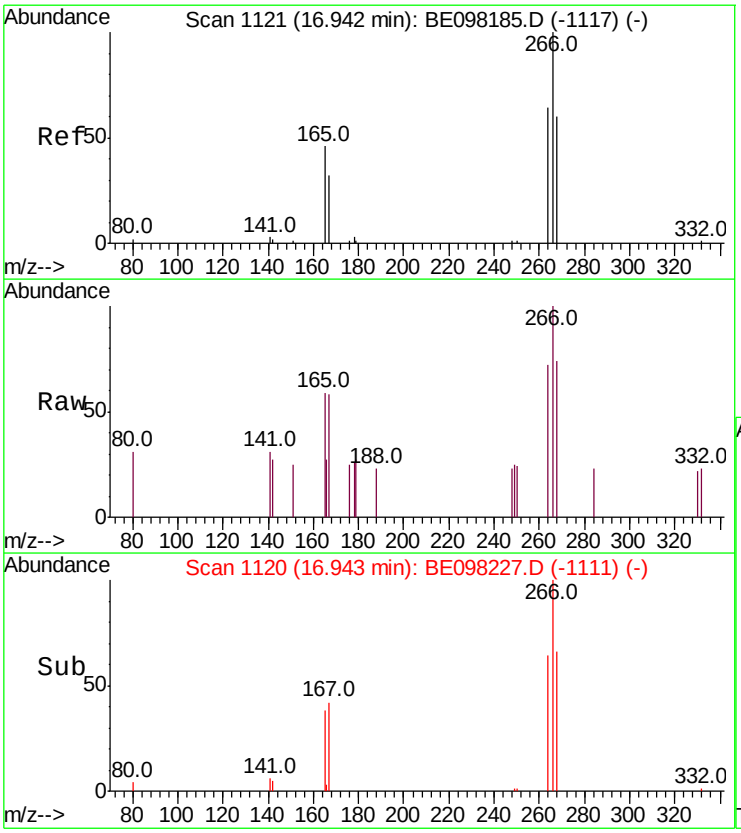
#21
Hexachlorobenzene
Concen: 0.414 ng
RT: 16.58 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 2511

Ion	Ratio	Lower	Upper
284	100		
142	33.7	26.5	39.7
249	33.0	28.4	42.6

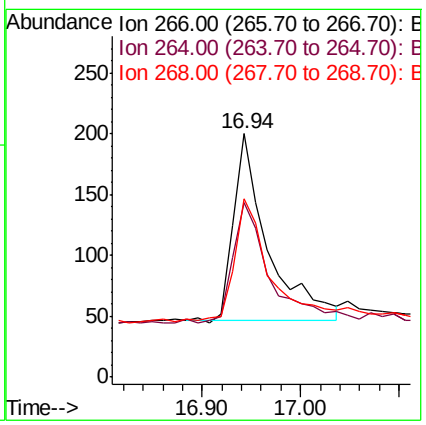


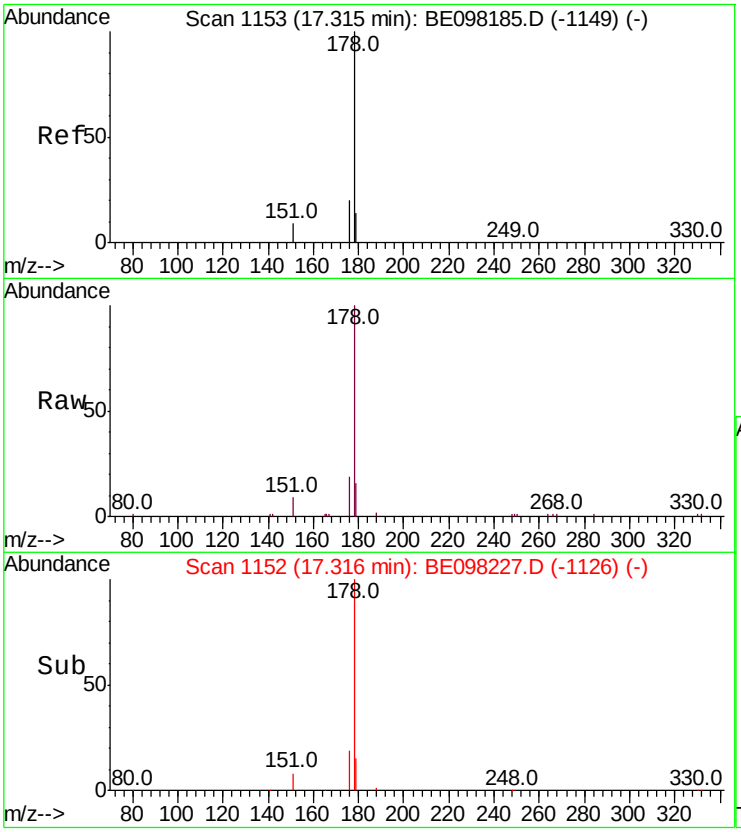


#22
Pentachlorophenol
Concen: 0.349 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:266 Resp: 364

Ion	Ratio	Lower	Upper
266	100		
264	71.5	57.6	86.4
268	73.5	56.8	85.2



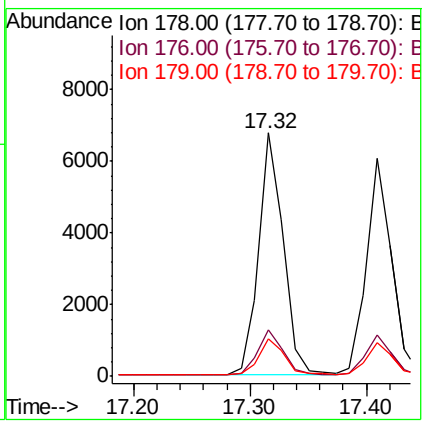


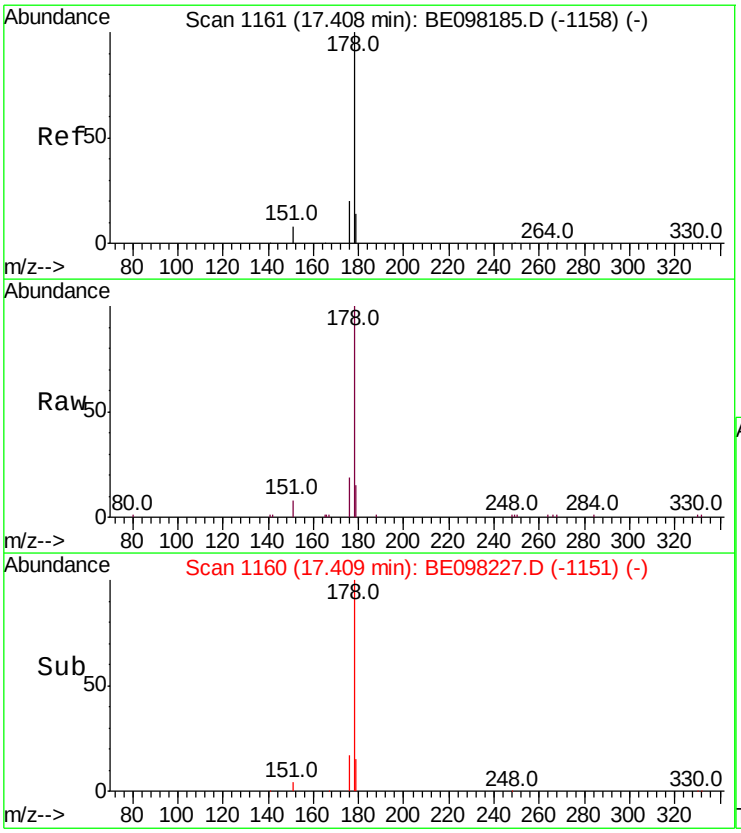
#23
Phenanthrene
Concen: 0.418 ng
RT: 17.32 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 9966

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.3	12.3	18.5

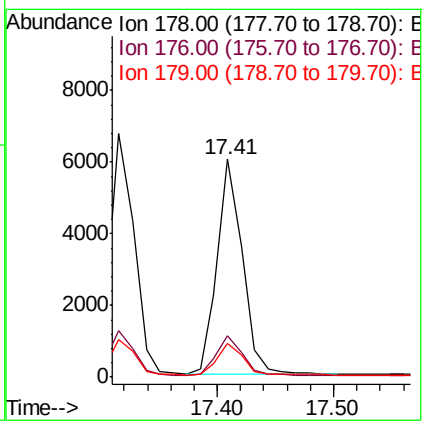


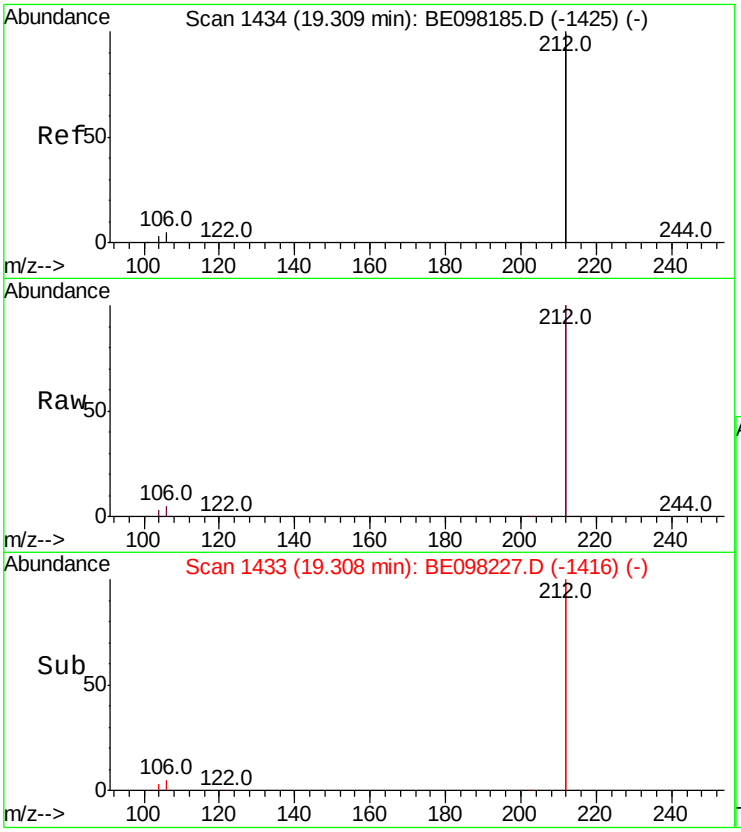


#24
Anthracene
Concen: 0.403 ng
RT: 17.41 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:178 Resp: 8959

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	14.9	12.1	18.1



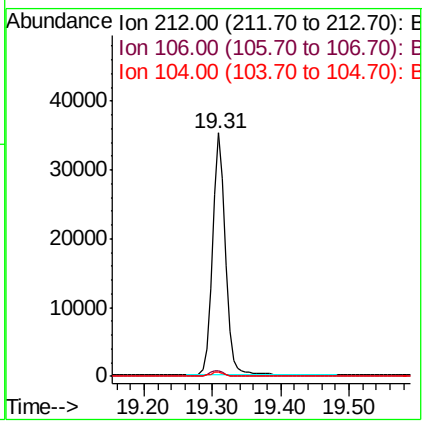


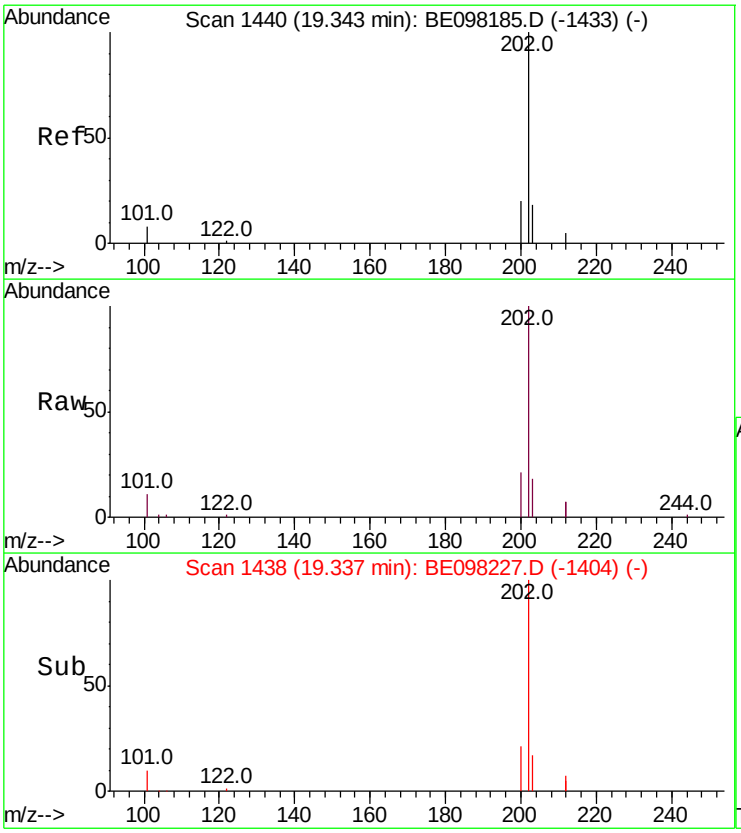
#25
Fluoranthene-d10
Concen: 0.394 ng
RT: 19.31 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 47059

Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.8	2.8
104	1.5	1.1	1.7

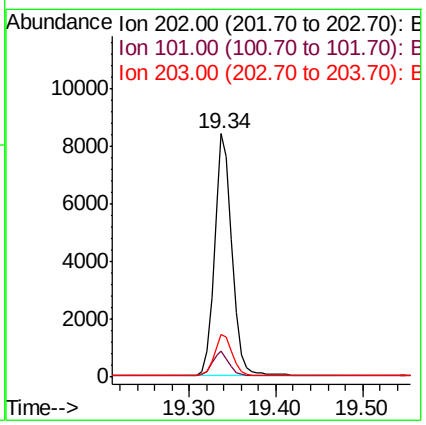


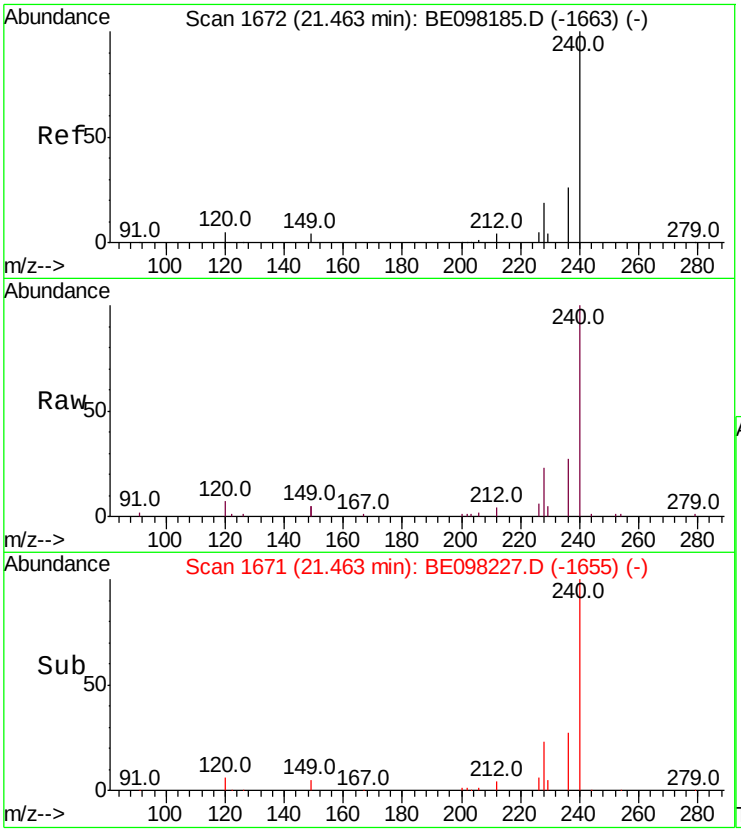


#26
Fluoranthene
Concen: 0.401 ng
RT: 19.34 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:202 Resp: 11834

Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.0	10.6
203	17.3	13.7	20.5



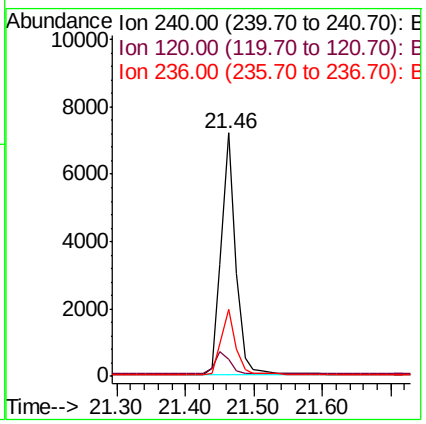


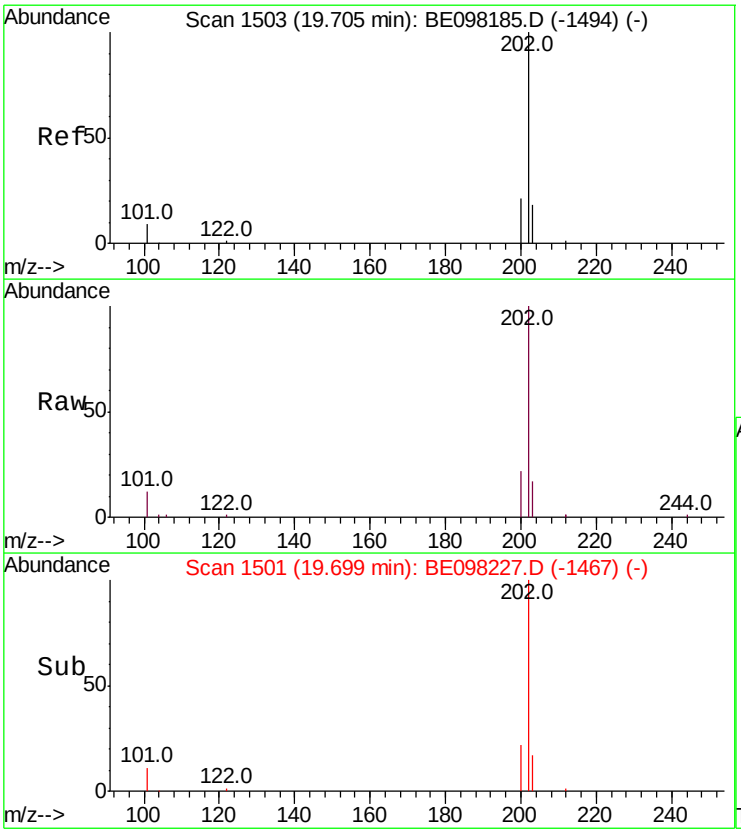
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 10667

Ion	Ratio	Lower	Upper
240	100		
120	7.0	4.8	7.2
236	27.4	21.4	32.0

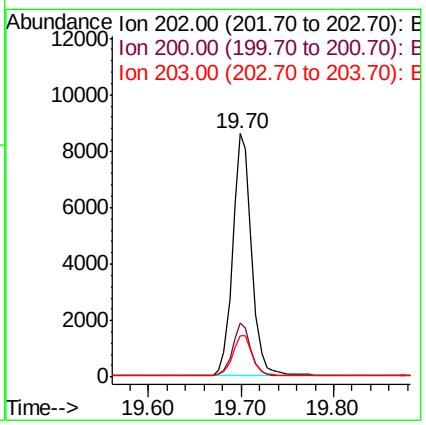


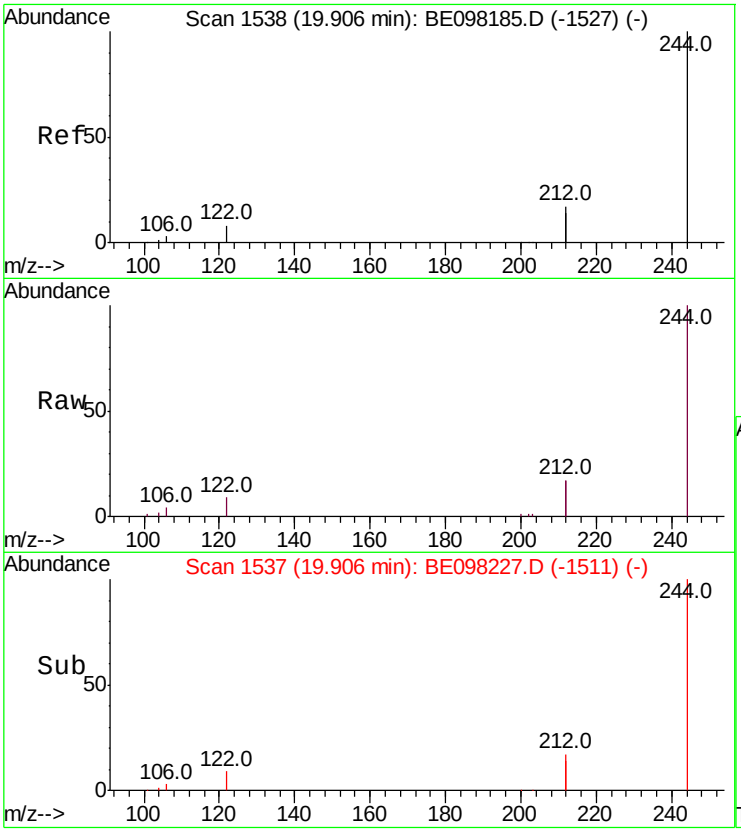


#28
Pyrene
Concen: 0.415 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:202 Resp: 12183

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.3	14.2	21.4



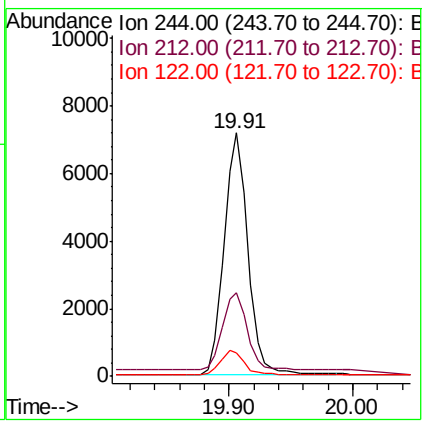


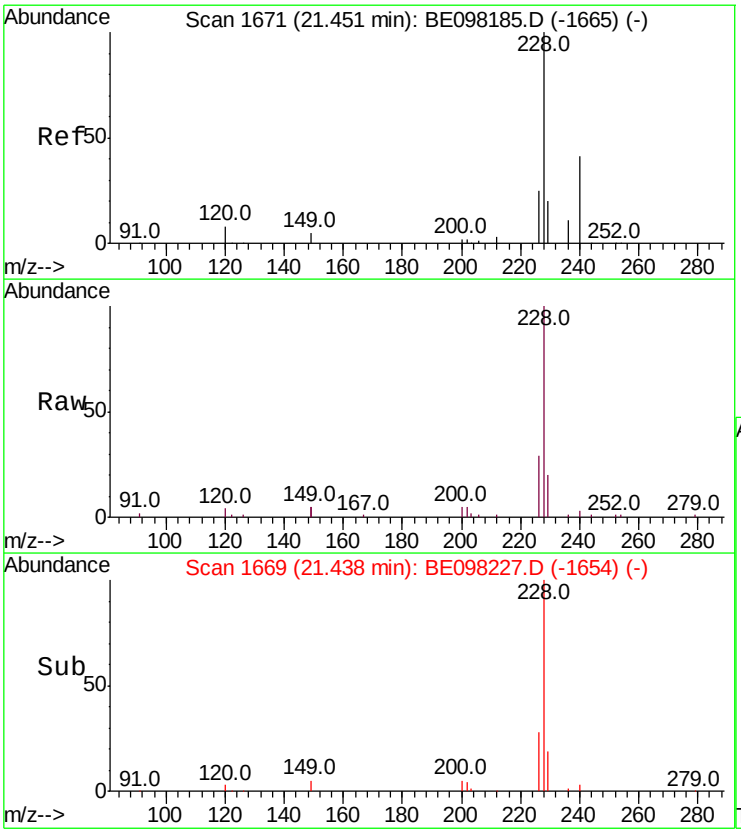
#29
Terphenyl-d14
Concen: 0.395 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 9559

Ion	Ratio	Lower	Upper
244	100		
212	34.4	26.8	40.2
122	9.4	7.0	10.6

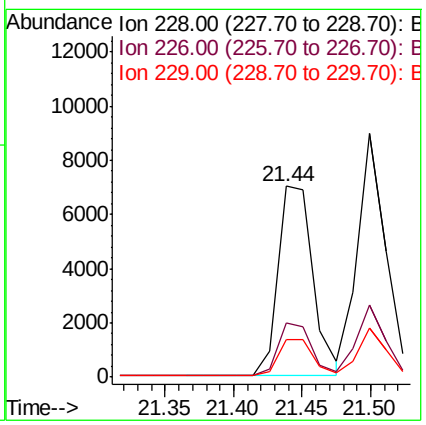


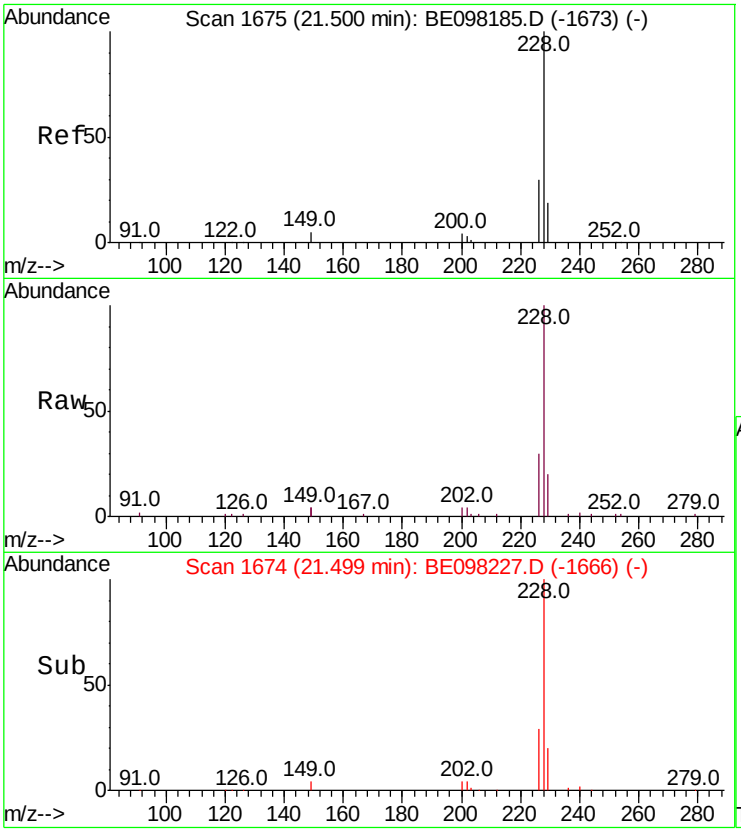


#30
Benzo(a)anthracene
Concen: 0.406 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:228 Resp: 12300

Ion	Ratio	Lower	Upper
228	100		
226	28.7	20.7	31.1
229	19.5	16.2	24.4



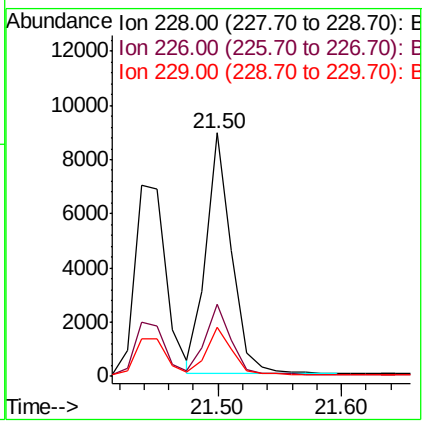


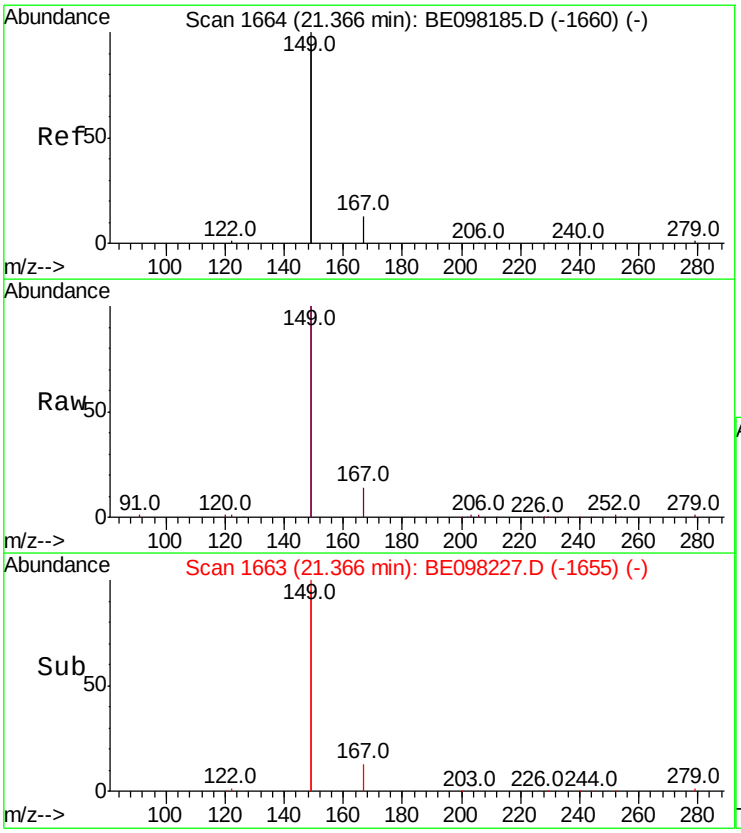
#31
Chrysene
Concen: 0.415 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 12786

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	36.8
229	20.0	16.0	24.0

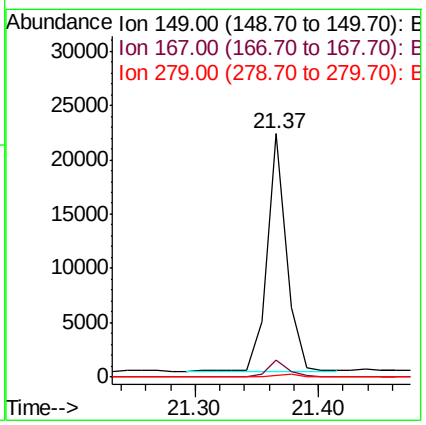


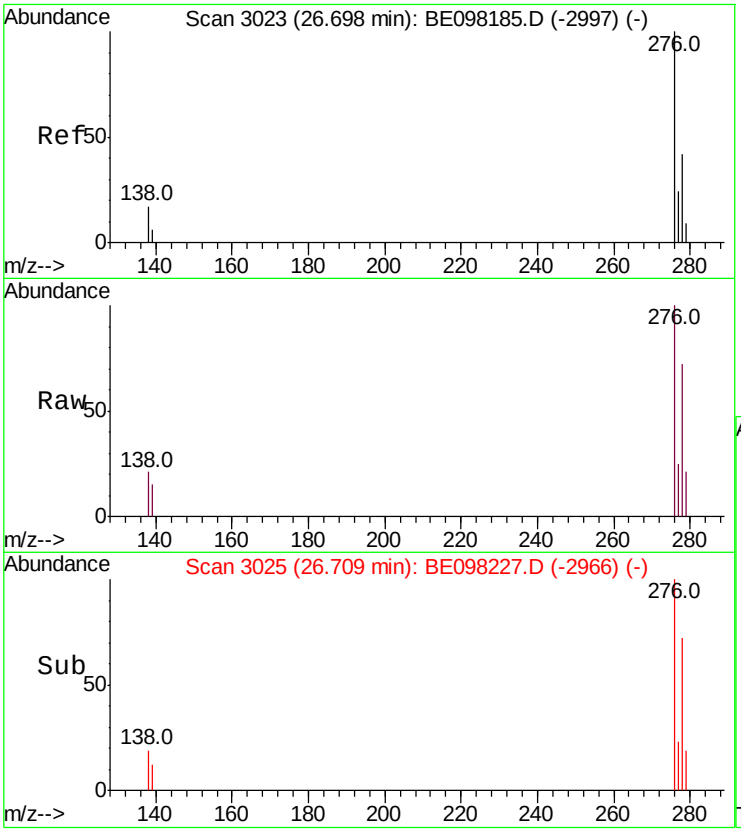


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.378 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:149 Resp: 23763

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



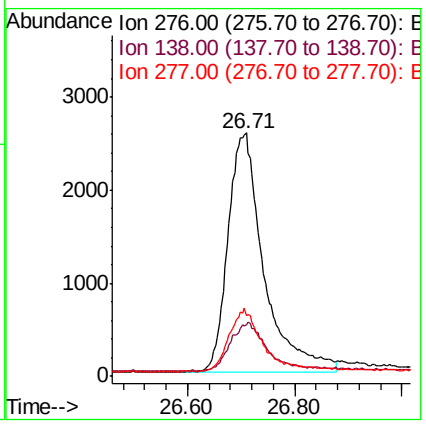


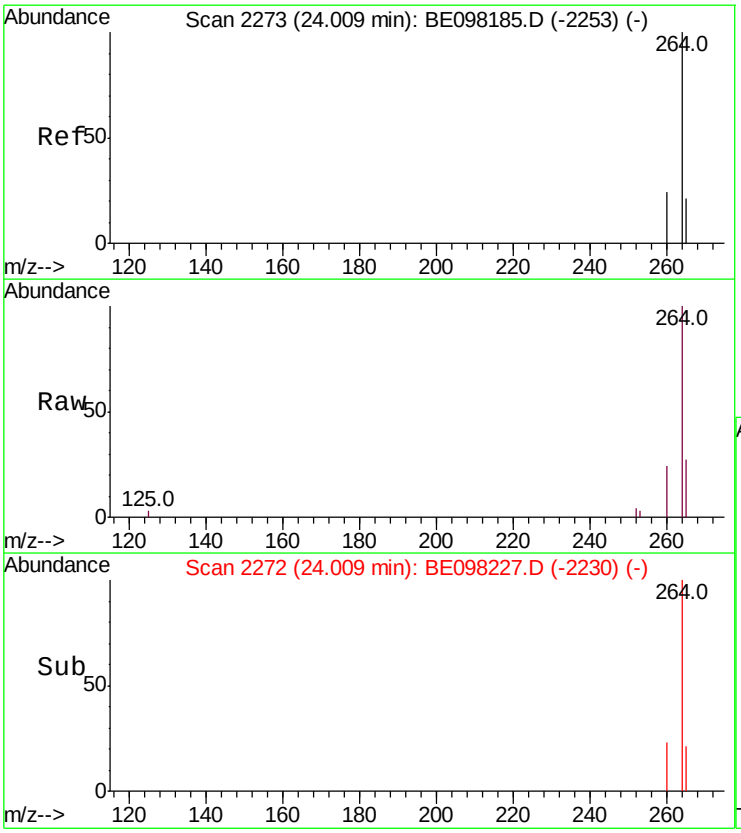
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.423 ng
RT: 26.71 min Scan# 3025
Delta R.T. 0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11930

Ion	Ratio	Lower	Upper
276	100		
138	19.2	6.4	9.6#
277	24.4	18.9	28.3

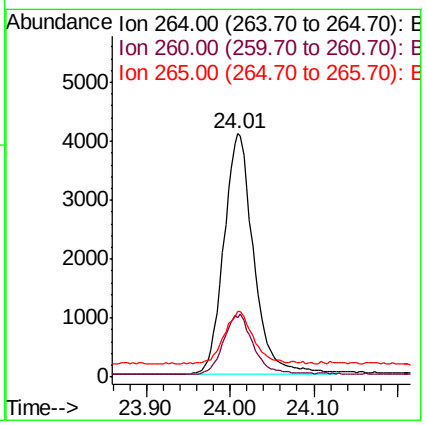


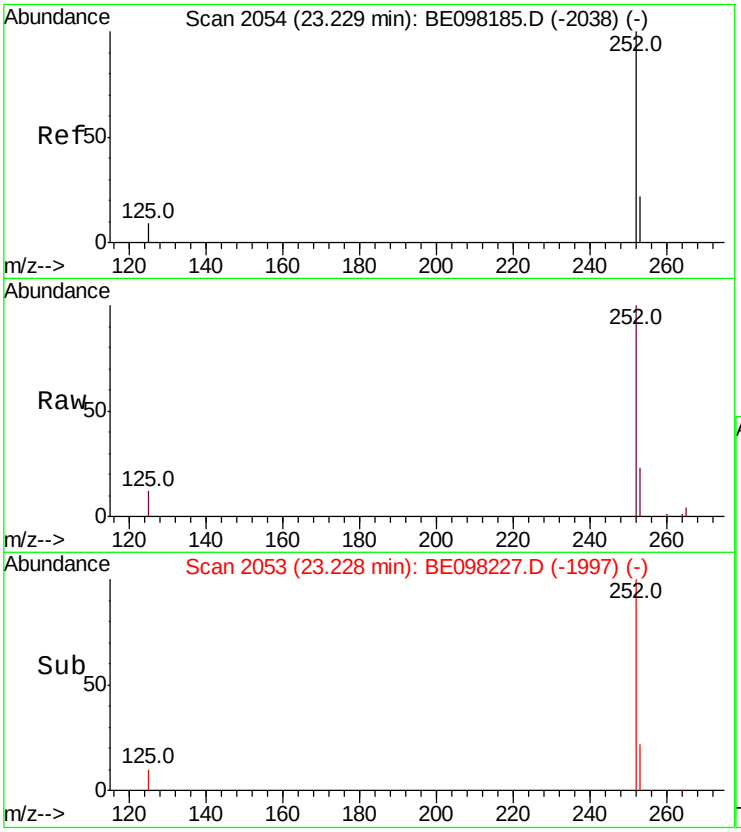


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:264 Resp: 10032

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.9	29.9
265	26.8	21.3	31.9



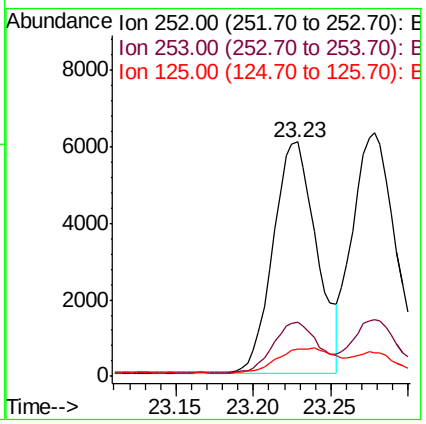


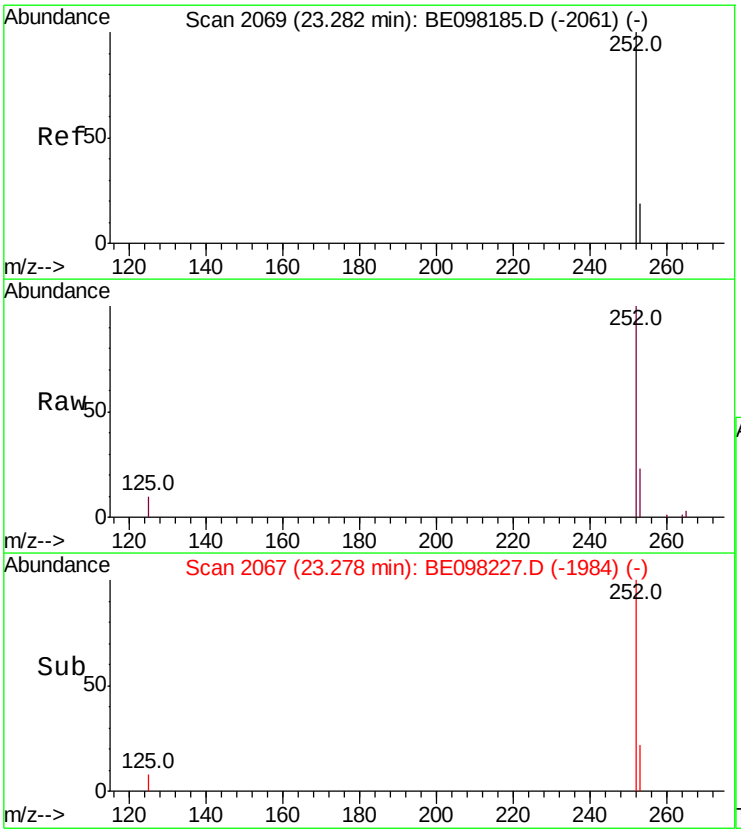
#35
Benzo(b)fluoranthene
Concen: 0.416 ng
RT: 23.23 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11831

Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.4	29.0
125	11.8	8.6	12.8

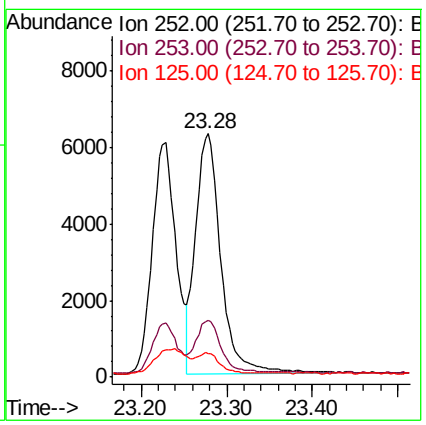


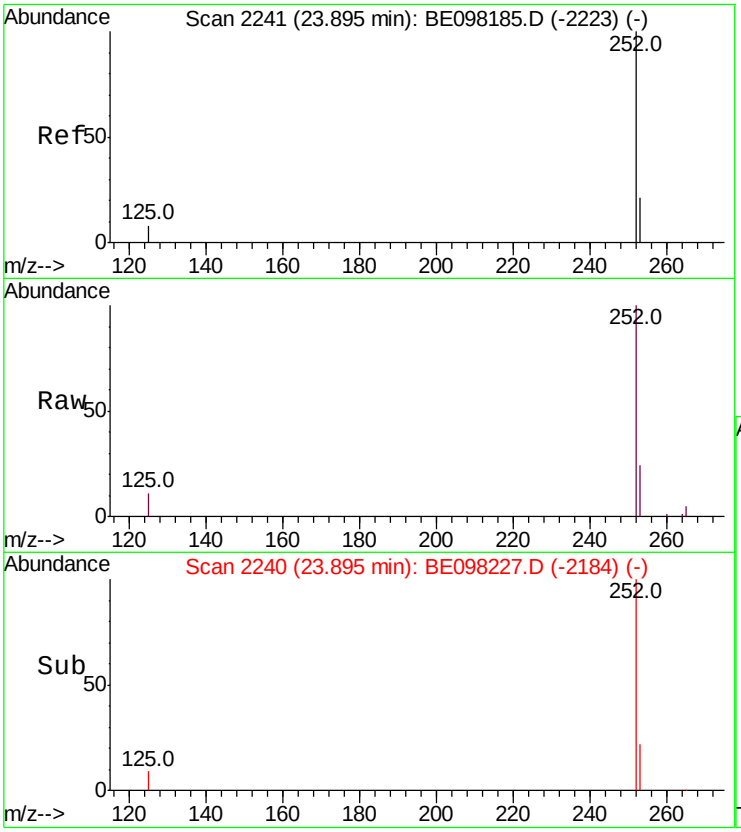


#36
Benzo(k)fluoranthene
Concen: 0.426 ng
RT: 23.28 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:252 Resp: 12797

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	9.6	7.4	11.0



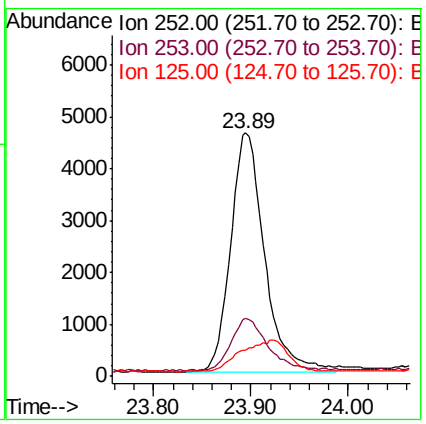


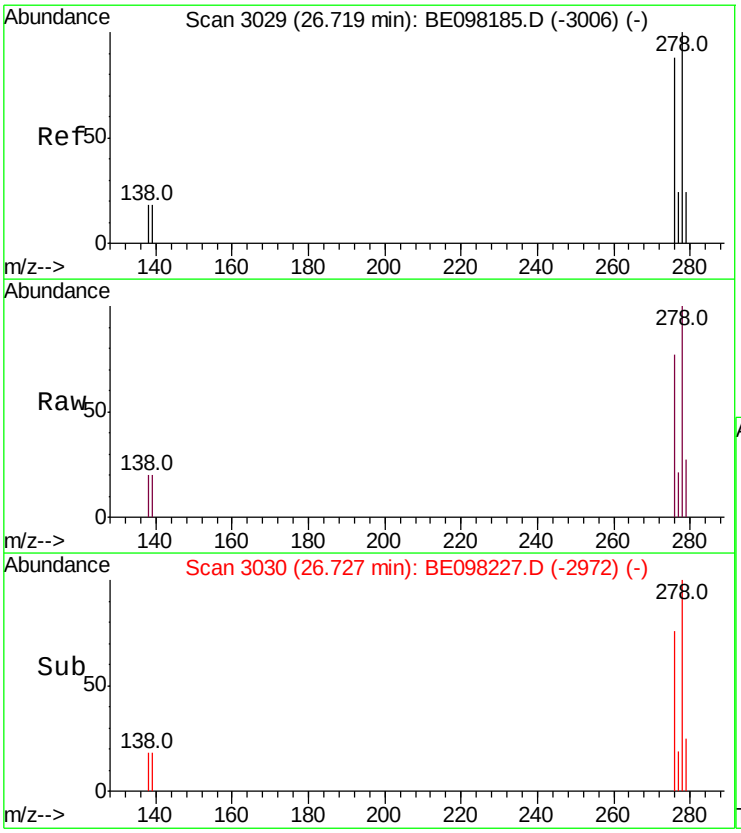
#37
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.89 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11229

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	10.7	8.0	12.0

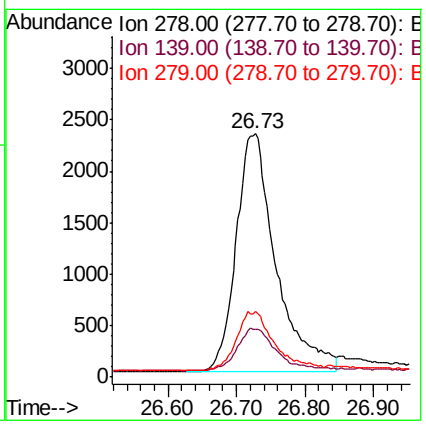


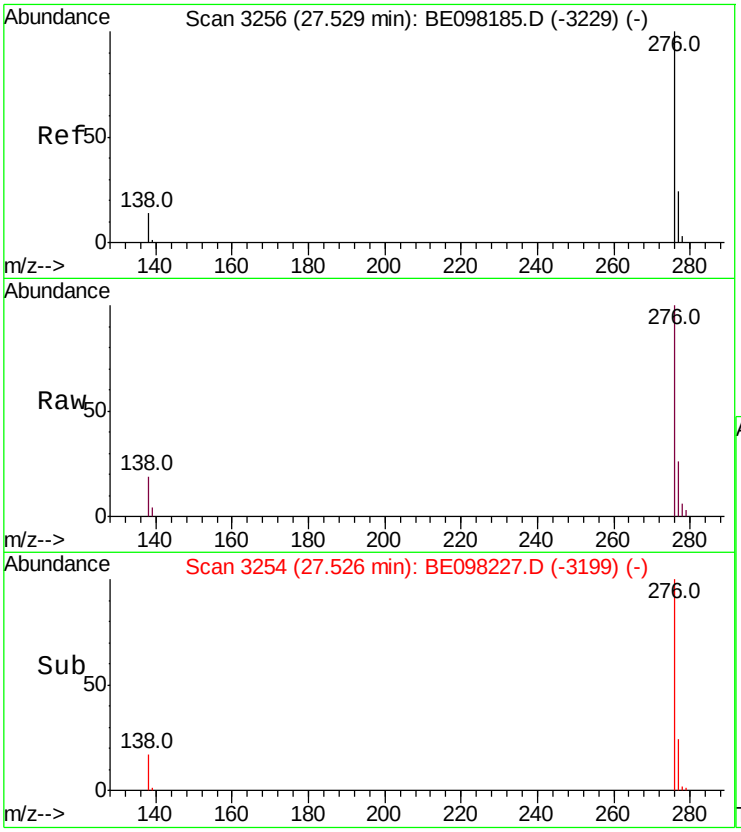


#38
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 26.73 min Scan# 3030
Delta R.T. 0.01 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Tgt Ion:278 Resp: 9382

Ion	Ratio	Lower	Upper
278	100		
139	19.8	16.4	24.6
279	27.0	21.3	31.9





#39
Benzo(g,h,i)perylene
Concen: 0.409 ng
RT: 27.53 min Scan# 3254
Delta R.T. -0.00 min
Lab File: BE098227.D
Acq: 14 Nov 2018 17:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 9935

Ion	Ratio	Lower	Upper
276	100		
277	26.2	20.4	30.6
138	19.3	13.2	19.8