Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031119\
Data File : BE098857.D
Acq On : 11 Mar 2019 11:08
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Mar 12 16:30:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 15:33:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	841	0.40	ng		0.00
7) Naphthalene-d8	10.59	136	3667	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	2399	0.40	ng		0.00
19) Phenanthrene-d10	17.22	188	6098	0.40	ng		0.00
27) Chrysene-d12	21.40	240	7187	0.40	ng		0.00
34) Perylene-d12	23.90	264	6907	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	787	0.31	ng		0.01
5) Phenol-d6	6.99	99	1317	0.37	ng		0.00
8) Nitrobenzene-d5	8.96	82	1337	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	2658	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	386	0.32	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	4084	0.41	ng		0.00
25) Fluoranthene-d10	19.25	212	34481	0.35	ng		0.00
29) Terphenyl-d14	19.84	244	6686	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	655	0.402	ng		100
3) n-Nitrosodimethylamine	3.65	42	471	0.223	ng	#	87
6) bis(2-Chloroethyl)ether	7.23	93	935	0.341	ng	#	87
9) Naphthalene	10.64	128	16930	0.403	ng		100
10) Hexachlorobutadiene	10.91	225	1068	0.384	ng		98
12) 2-Methylnaphthalene	12.27	142	2607	0.383	ng		96
16) Acenaphthylene	14.18	152	4734	0.384	ng		99
17) Acenaphthene	14.53	154	2808	0.384	ng		99
18) Fluorene	15.50	166	3989	0.378	ng		96
20) 4-Bromophenyl-phenylether	16.40	248	1189	0.360	ng		94
21) Hexachlorobenzene	16.52	284	1531	0.390	ng		97
22) Pentachlorophenol	16.91	266	157	0.382	ng		96
23) Phenanthrene	17.26	178	6586	0.380	ng		99
24) Anthracene	17.35	178	5263	0.355	ng		100
26) Fluoranthene	19.28	202	8762	0.358	ng		99
28) Pyrene	19.64	202	8943	0.407	ng		99
30) Benzo(a)anthracene	21.38	228	8572	0.382	ng		98
31) Chrysene	21.44	228	9247	0.385	ng		100
32) Bis(2-ethylhexyl)phthalate	21.31	149	14740	0.309	ng		100
33) Indeno(1,2,3-cd)pyrene	26.54	276	10059	0.397	ng	#	88
35) Benzo(b)fluoranthene	23.13	252	8704	0.383	ng		96
36) Benzo(k)fluoranthene	23.18	252	9721	0.409	ng		99
37) Benzo(a)pyrene	23.79	252	8468	0.389	ng		98
38) Dibenzo(a,h)anthracene	26.56	278	7754	0.376	ng		99
39) Benzo(g,h,i)perylene	27.34	276	8497	0.394	ng		98

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

Quantitation Report (QT Reviewed)

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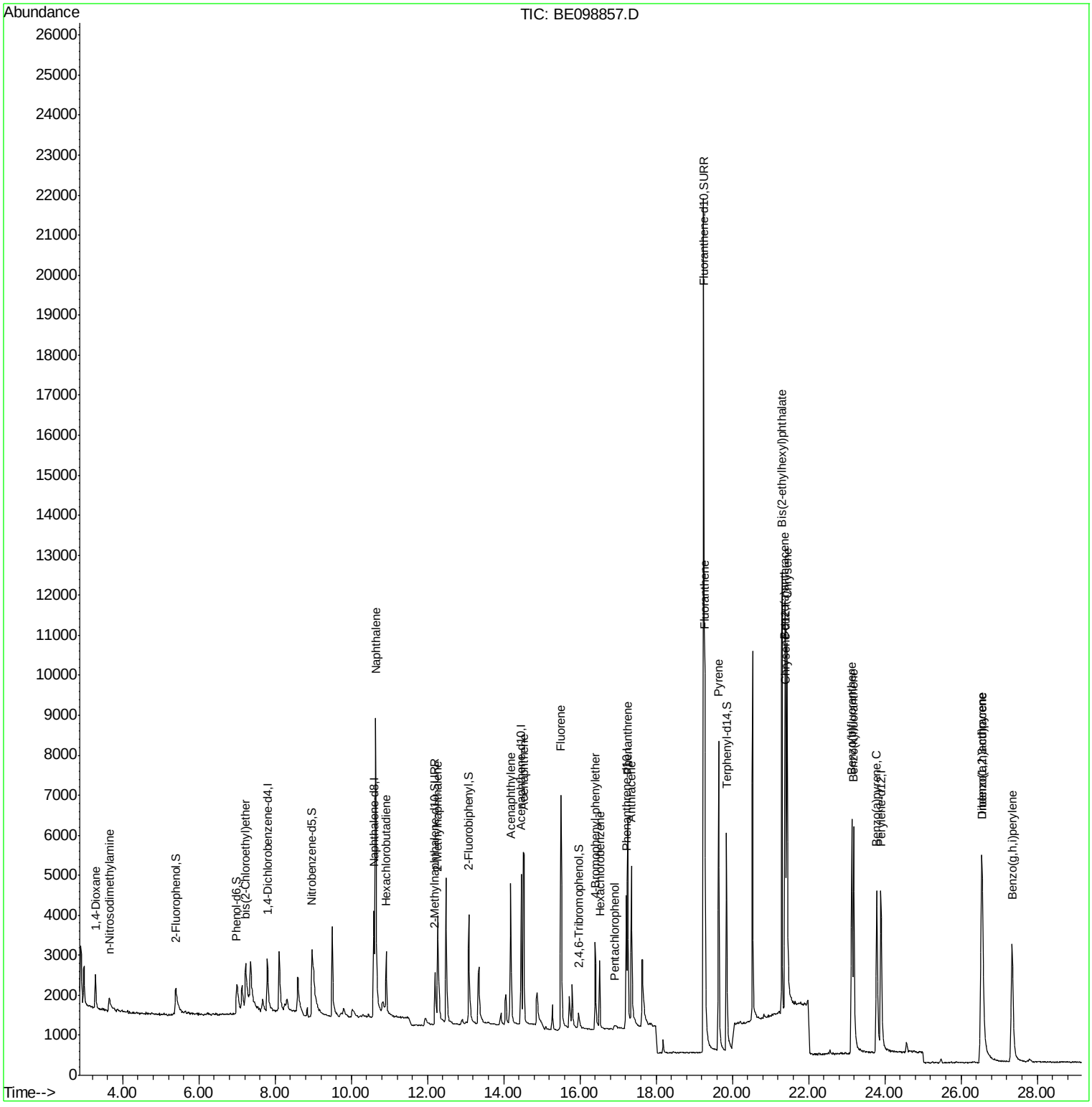
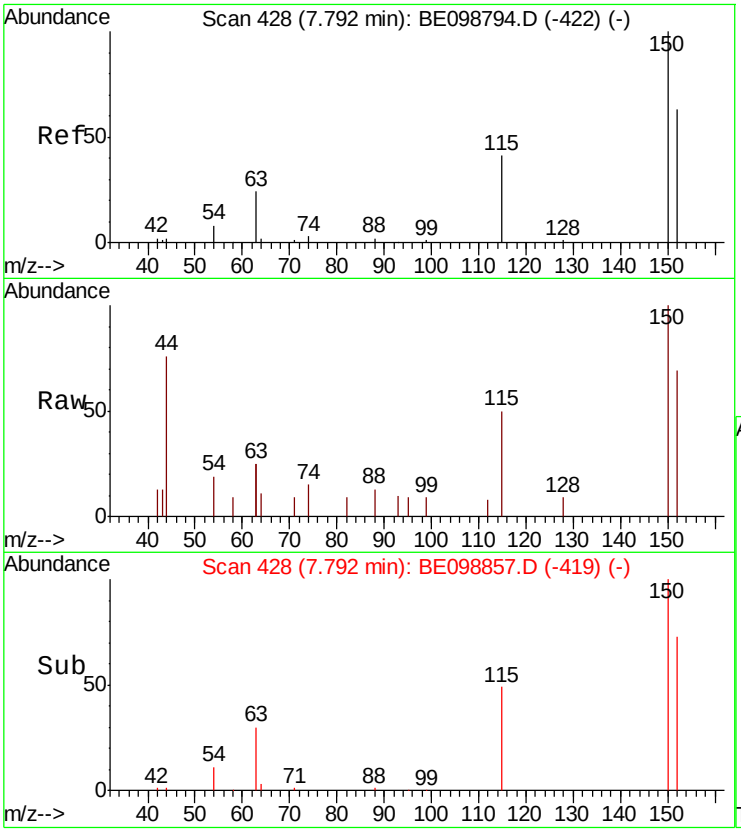
Data File : BE098857.D
Acq On : 11 Mar 2019 11:08
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 12 16:30:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 15:33:24 2019
Response via : Initial Calibration



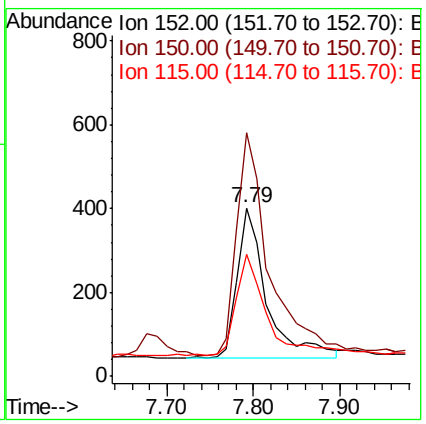


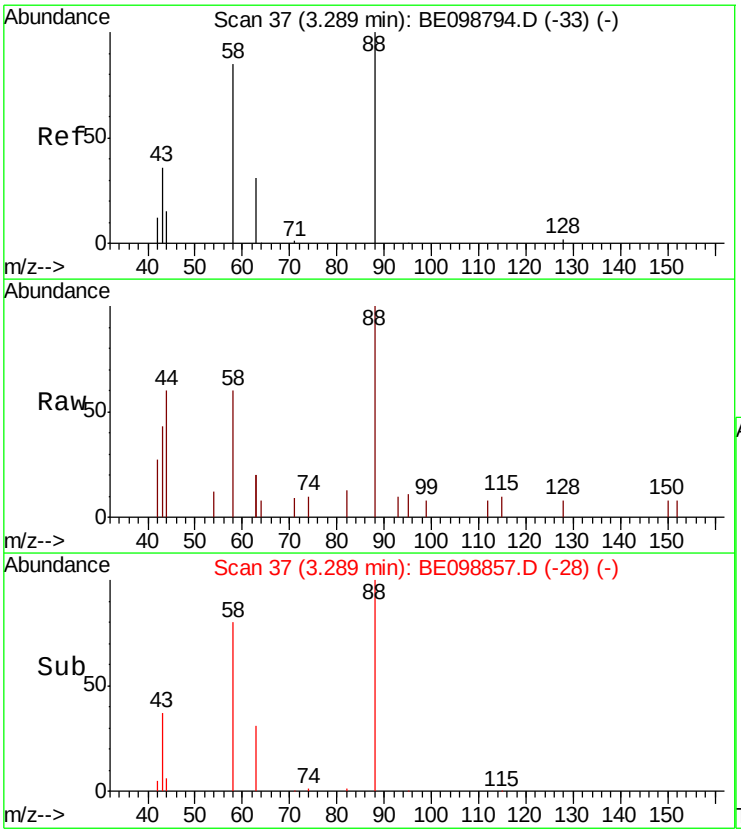
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 841

Ion	Ratio	Lower	Upper
152	100		
150	144.5	122.5	183.7
115	72.1	57.4	86.2

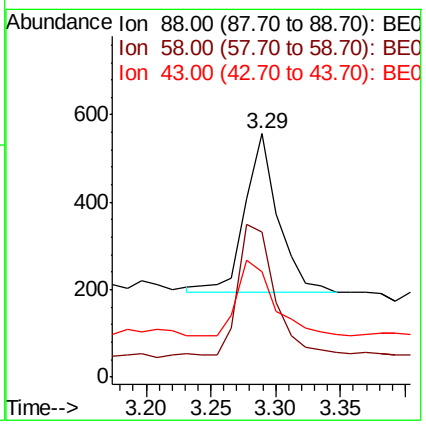


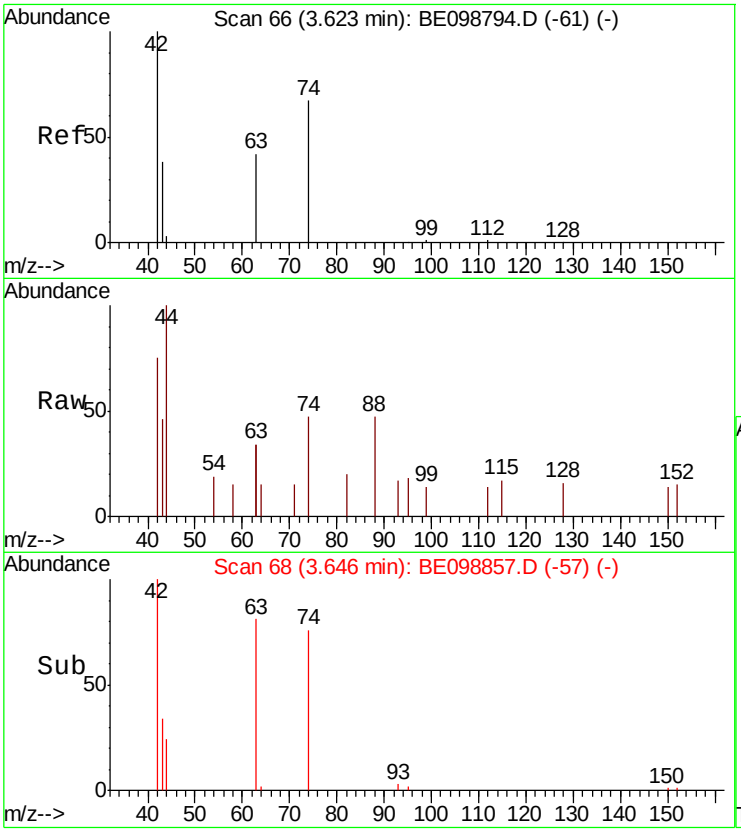


#2
1,4-Dioxane
Concen: 0.402 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion: 88 Resp: 655

Ion	Ratio	Lower	Upper
88	100		
58	94.8	75.8	113.6
43	51.8	41.8	62.8



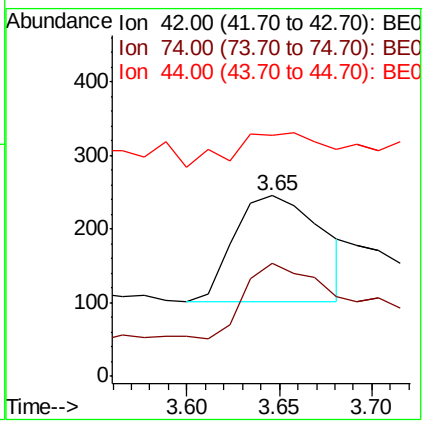


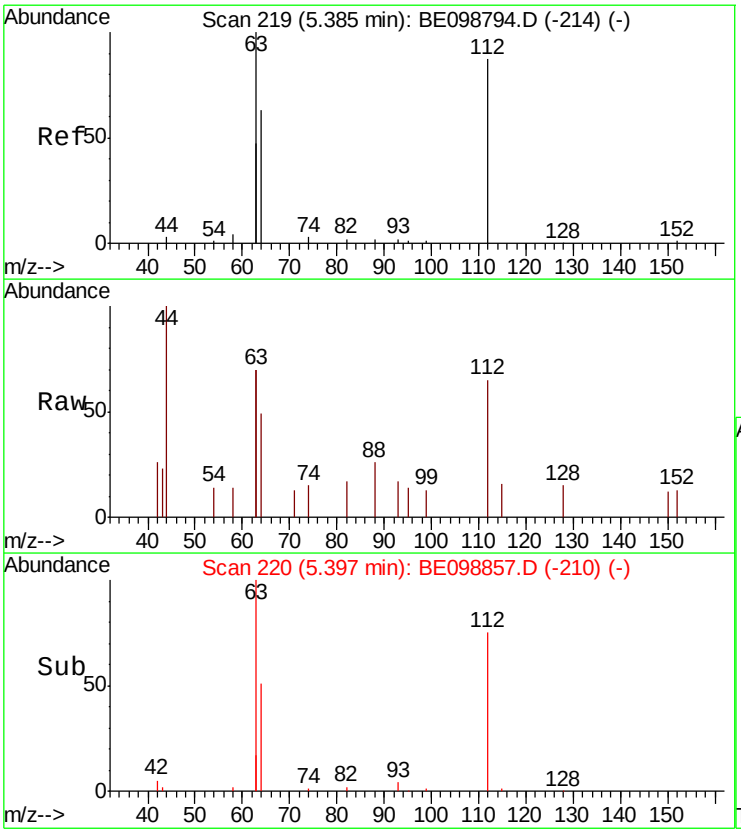
#3
n-Nitrosodimethylamine
Concen: 0.223 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.02 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 471

Ion	Ratio	Lower	Upper
42	100		
74	60.5	57.0	85.4
44	33.5	0.0	0.0#

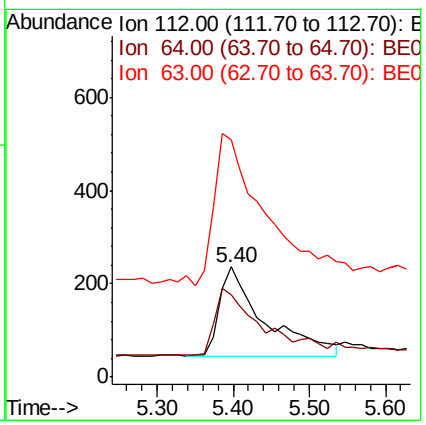


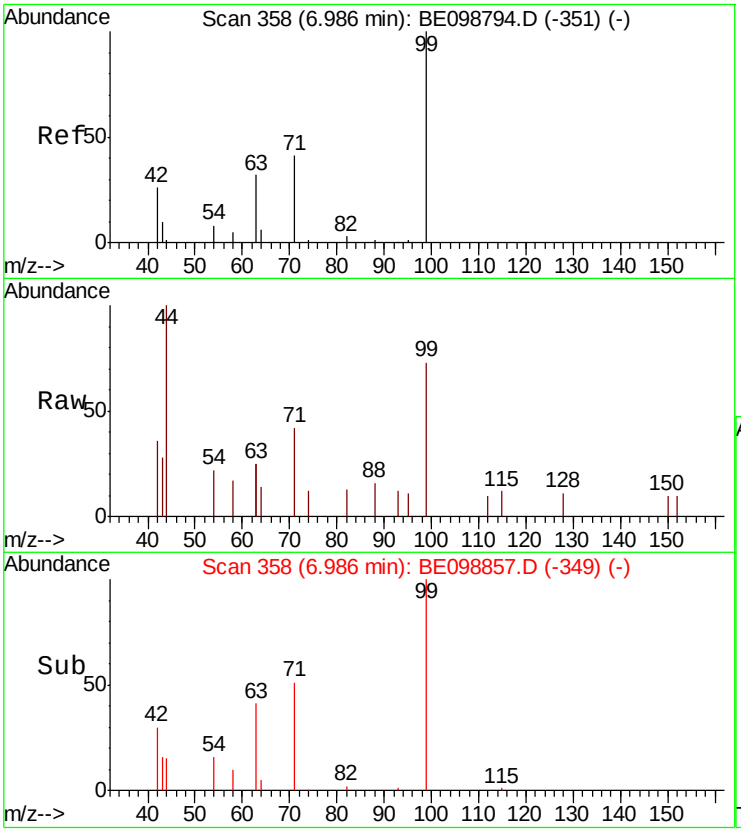


#4
2-Fluorophenol
Concen: 0.313 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:112 Resp: 787

Ion	Ratio	Lower	Upper
112	100		
64	78.0	57.9	86.9
63	197.3	158.3	237.5



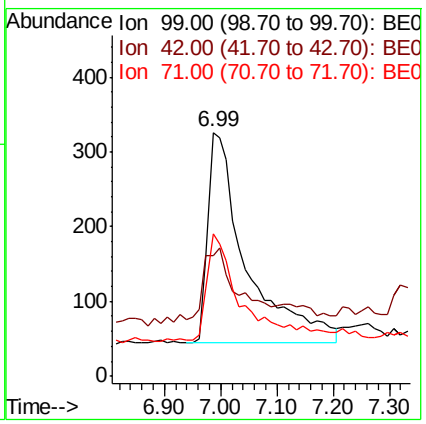


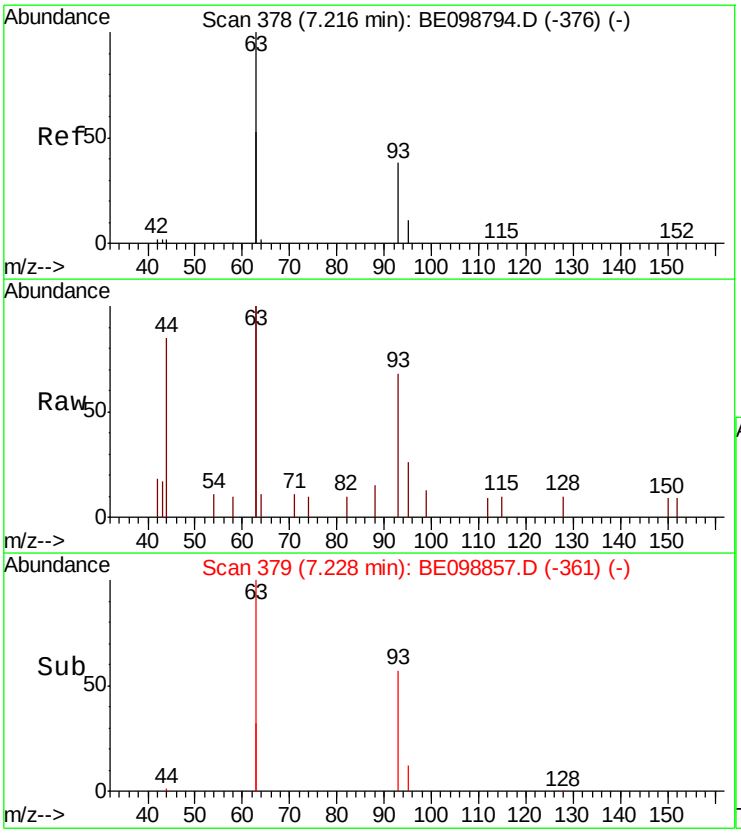
#5
Phenol-d6
Concen: 0.371 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1317

Ion	Ratio	Lower	Upper
99	100		
42	30.8	24.2	36.2
71	44.8	35.7	53.5

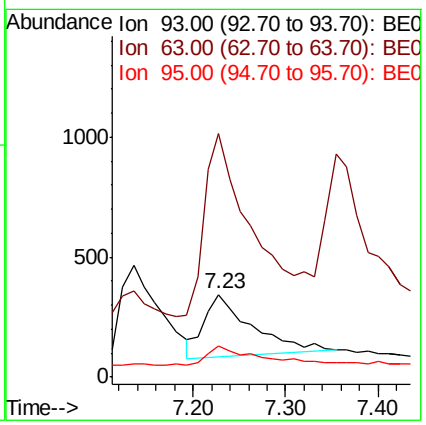


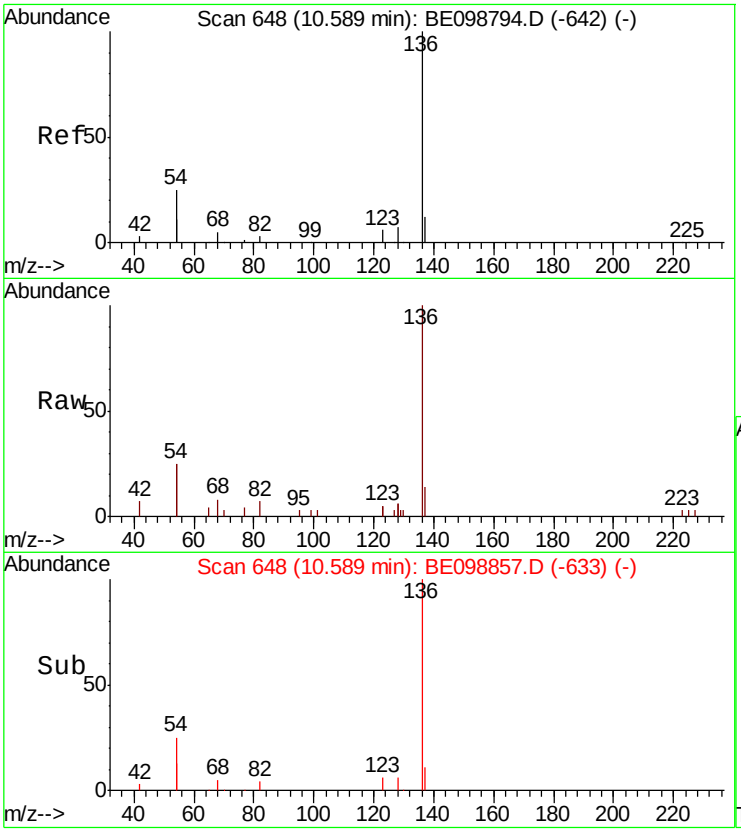


#6
bis(2-Chloroethyl)ether
Concen: 0.341 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.01 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion: 93 Resp: 935

Ion	Ratio	Lower	Upper
93	100		
63	283.1	247.5	371.3
95	33.2	21.8	32.8#



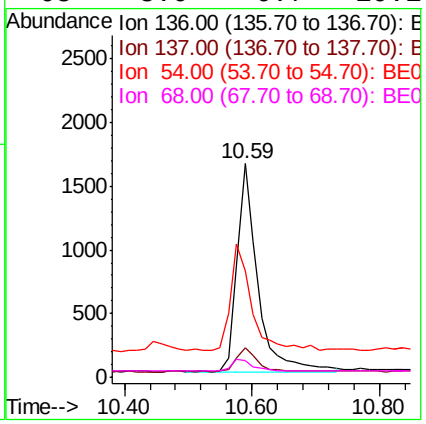


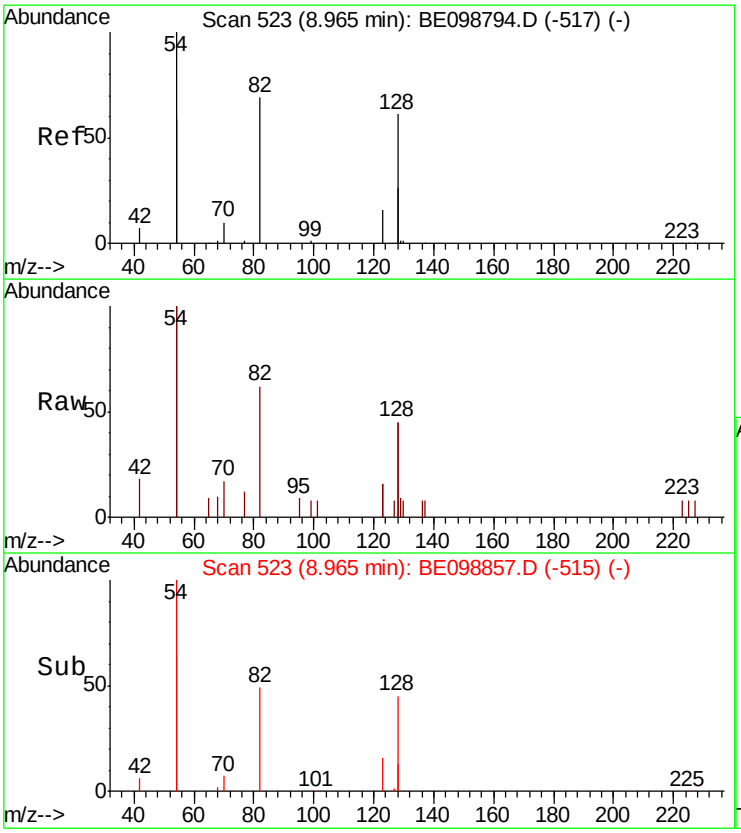
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 3667

Ion	Ratio	Lower	Upper
136	100		
137	13.7	11.4	17.0
54	49.6	39.3	58.9
68	8.0	6.7	10.1

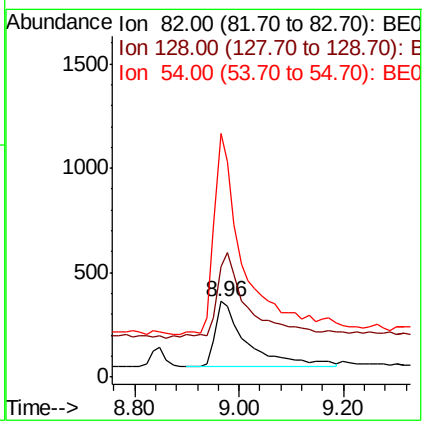


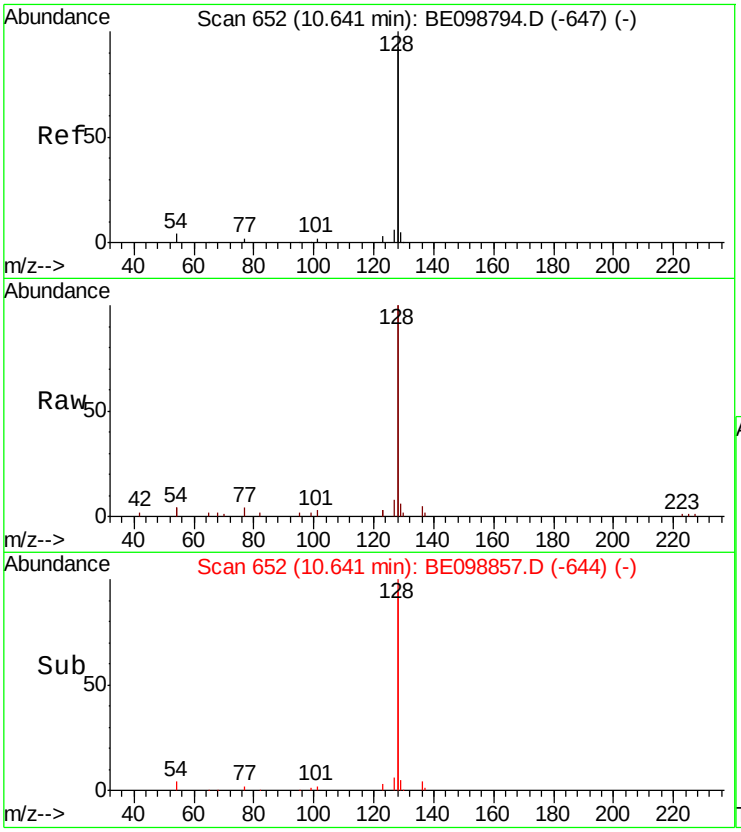


#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion: 82 Resp: 1337

Ion	Ratio	Lower	Upper
82	100		
128	145.3	123.8	185.8
54	322.1	203.4	305.2#



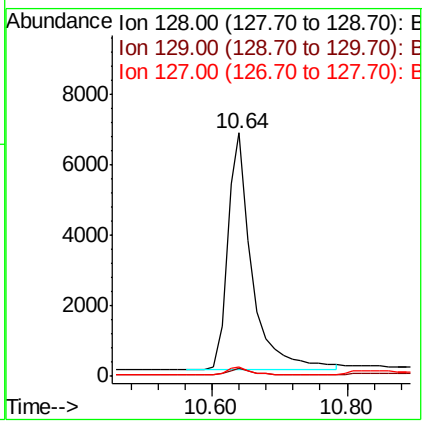


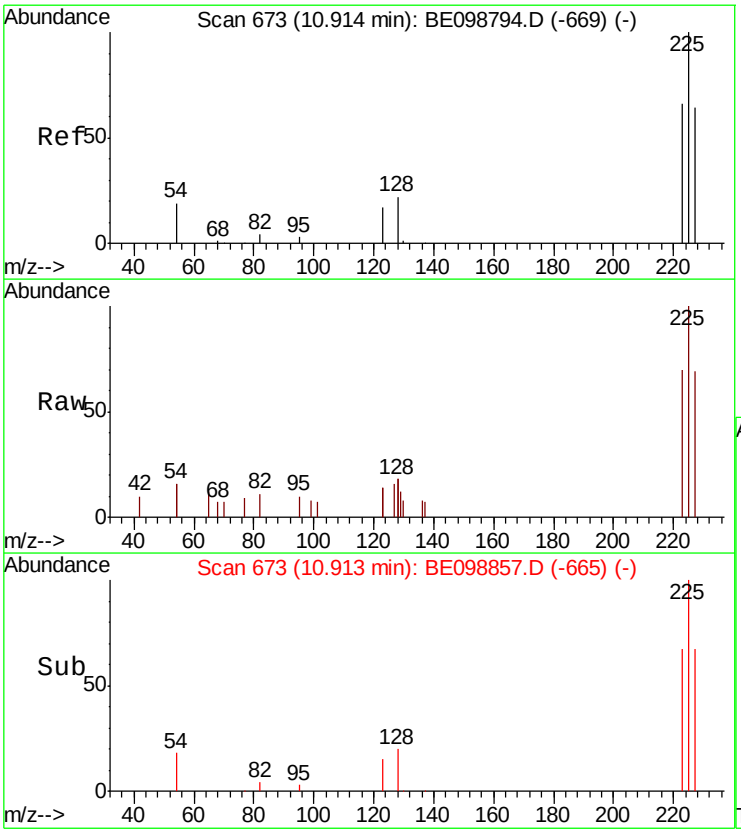
#9
Naphthalene
Concen: 0.403 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 16930

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	4.0
127	3.9	3.1	4.7

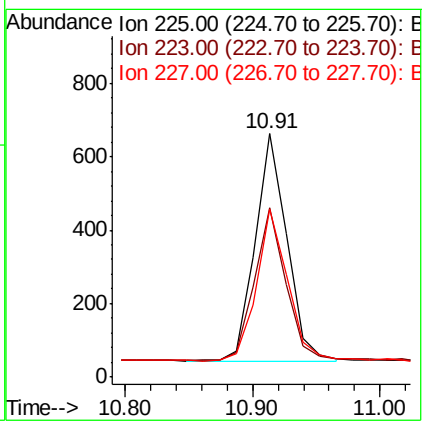


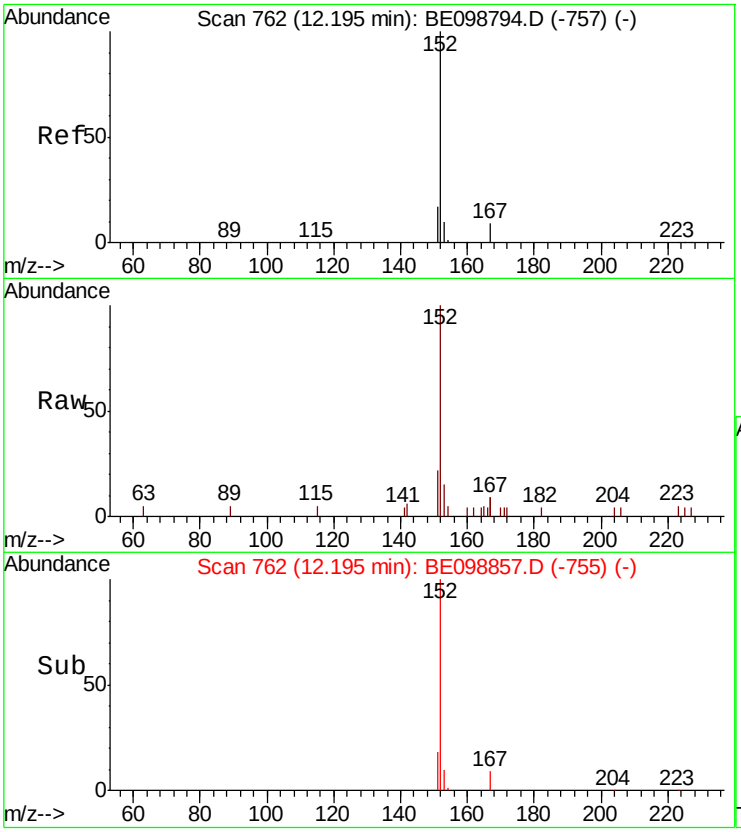


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:225 Resp: 1068

Ion	Ratio	Lower	Upper
225	100		
223	66.4	51.1	76.7
227	65.5	51.6	77.4



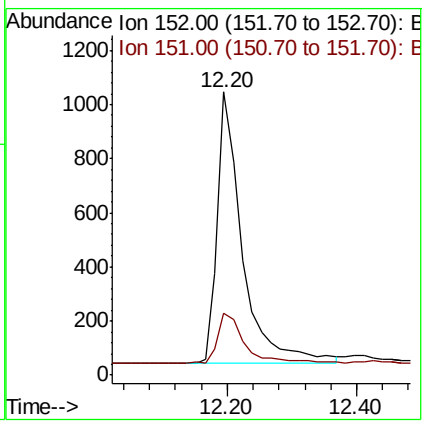


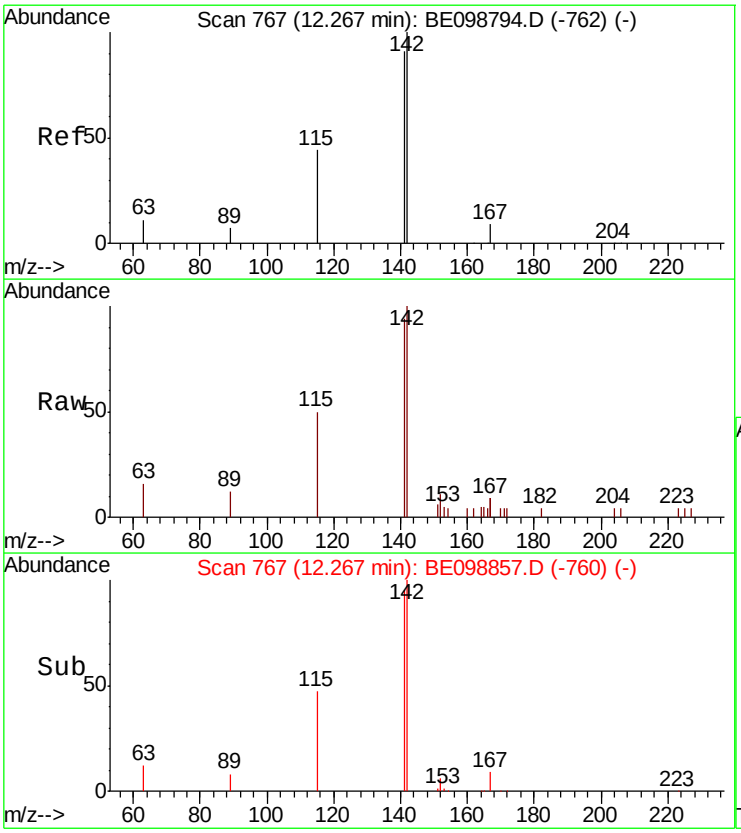
#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2658

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.5	24.7

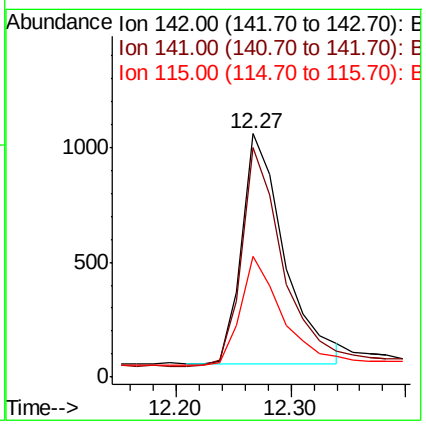


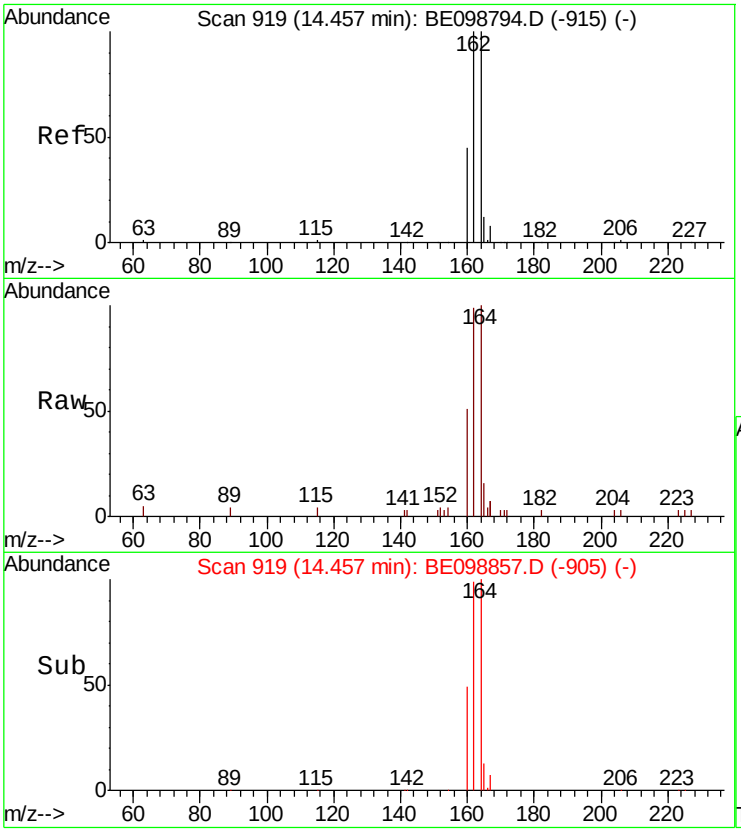


#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:142 Resp: 2607

Ion	Ratio	Lower	Upper
142	100		
141	94.2	72.6	108.8
115	49.8	37.4	56.2



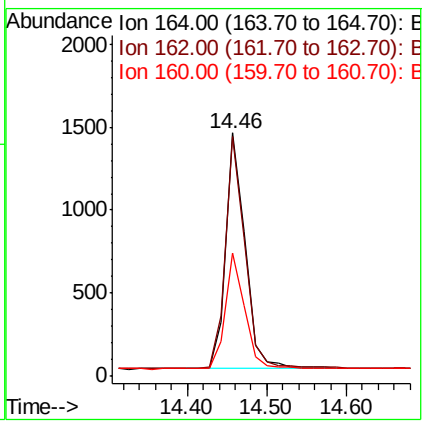


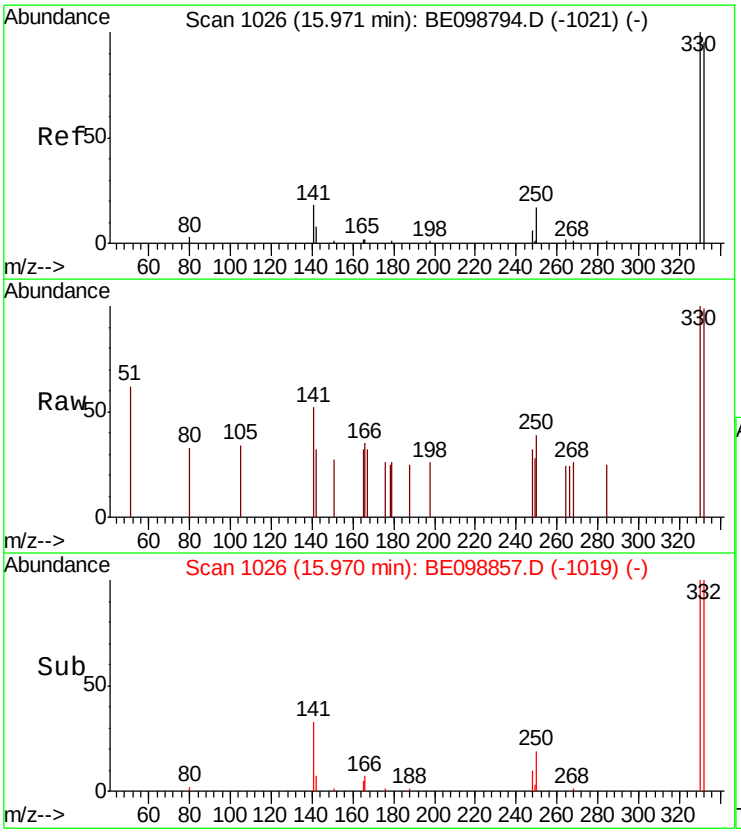
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 2399

Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.2	120.2
160	50.6	37.8	56.8

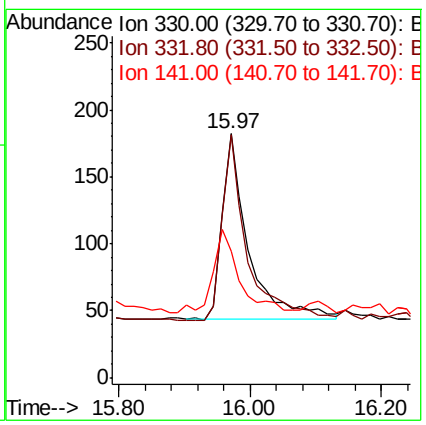


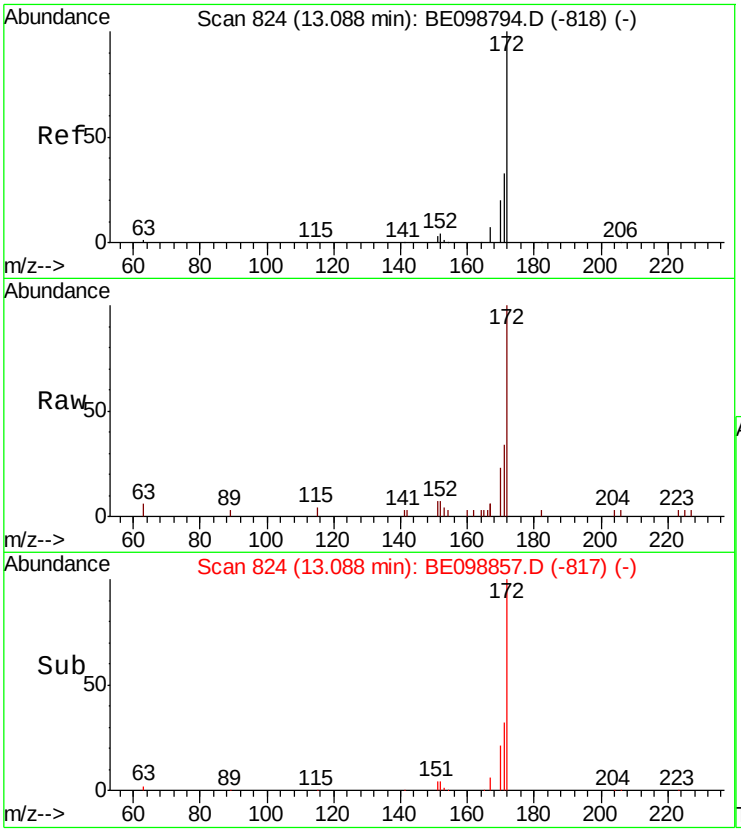


#14
2,4,6-Tribromophenol
Concen: 0.319 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:330 Resp: 386

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	40.7	31.0	46.4



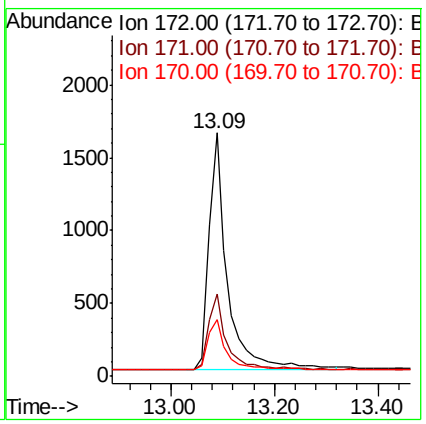


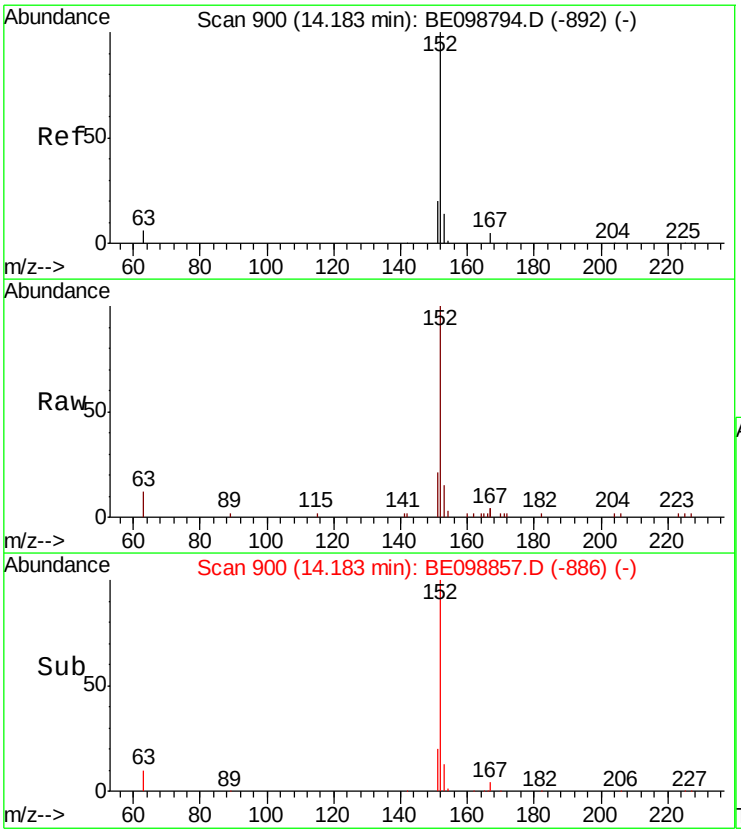
#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 4084

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.0	42.0
170	23.2	17.7	26.5

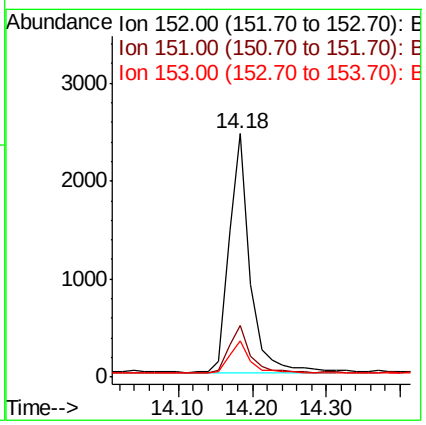


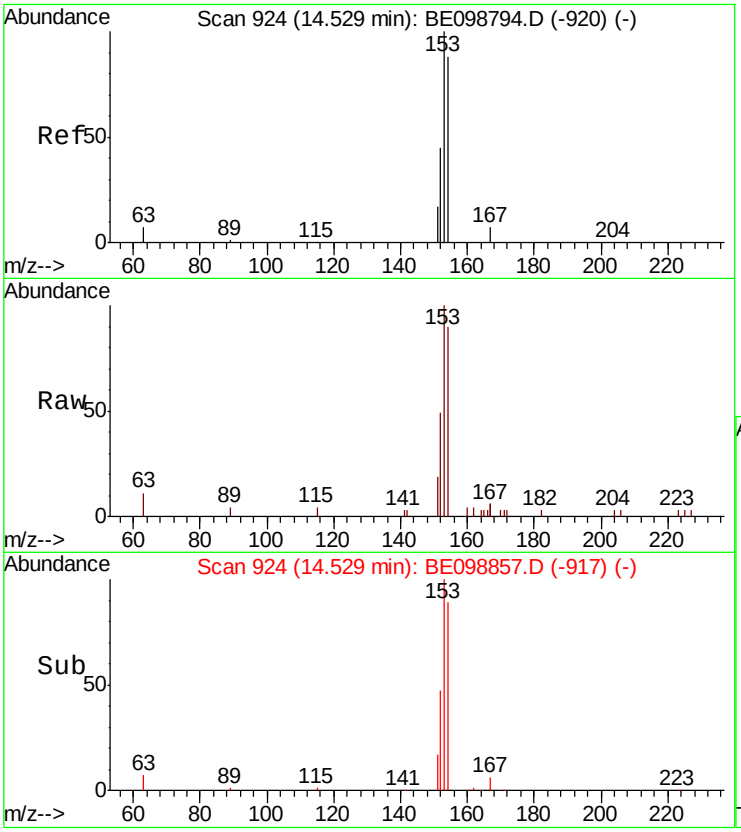


#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:152 Resp: 4734

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.0	25.6
153	13.2	11.2	16.8



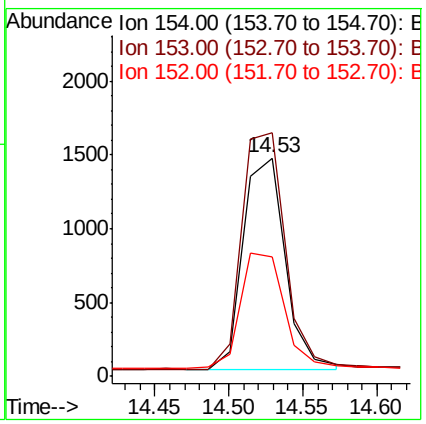


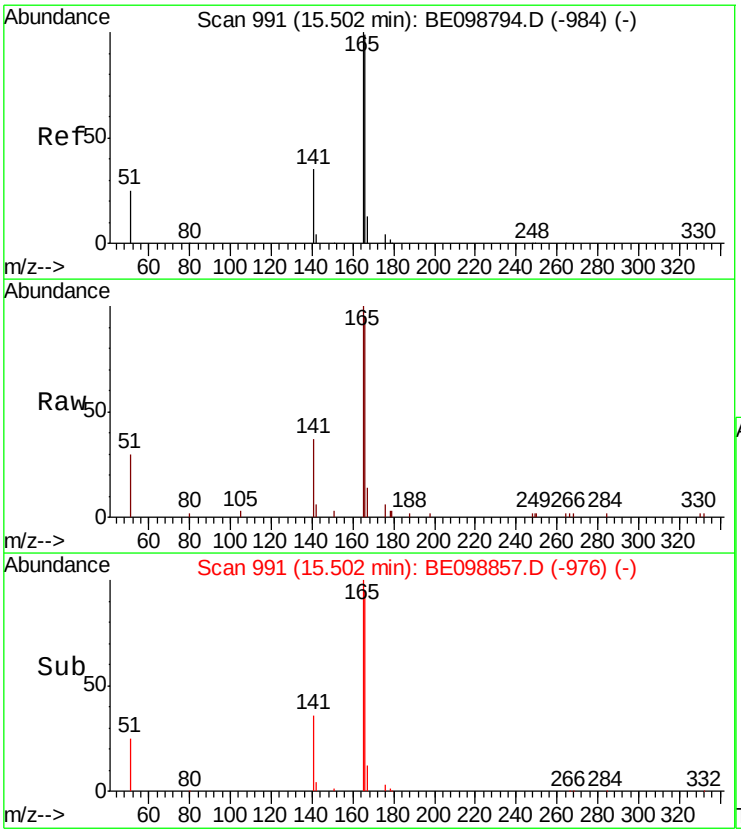
#17
Acenaphthene
Concen: 0.384 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2808

Ion	Ratio	Lower	Upper
154	100		
153	117.4	94.2	141.4
152	58.0	45.0	67.4

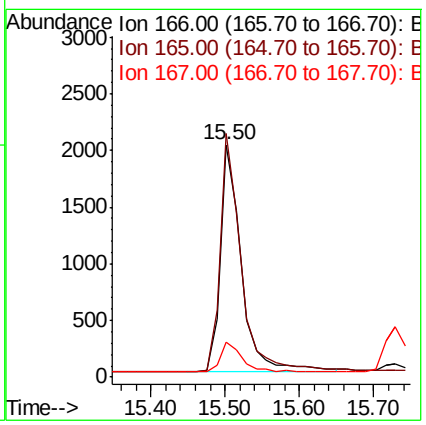


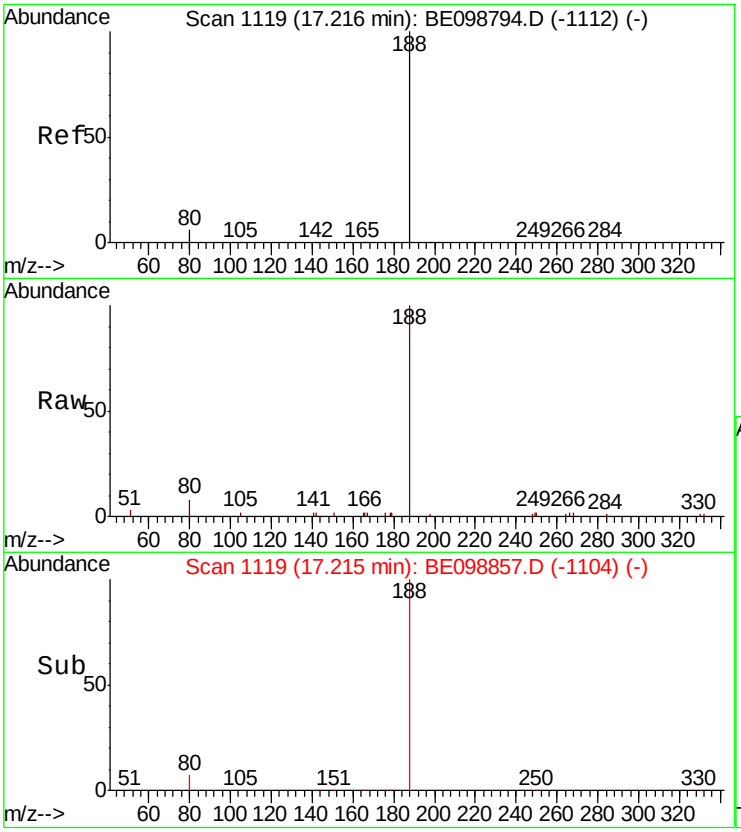


#18
Fluorene
Concen: 0.378 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:166 Resp: 3989

Ion	Ratio	Lower	Upper
166	100		
165	103.8	79.3	118.9
167	13.6	10.5	15.7



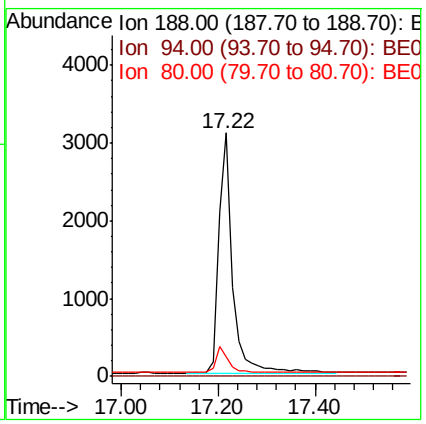


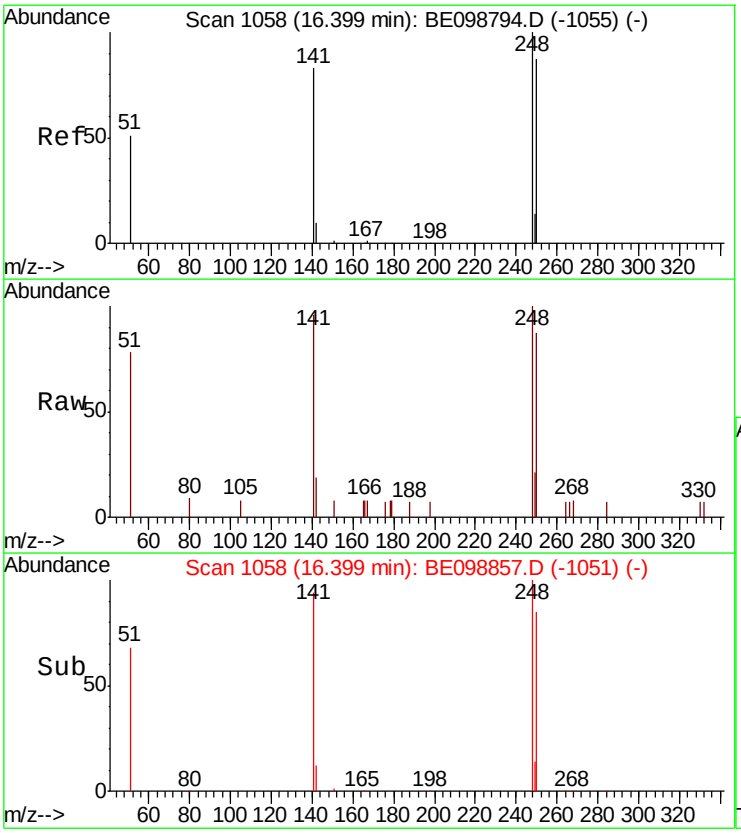
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6098

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	6.3	9.5

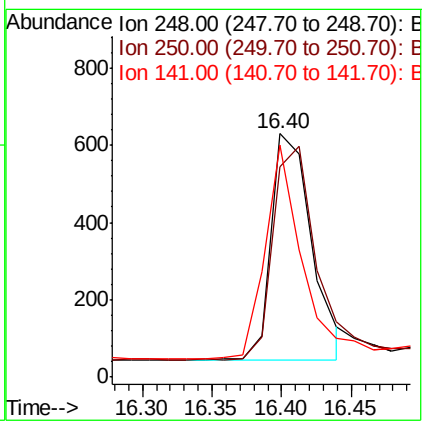


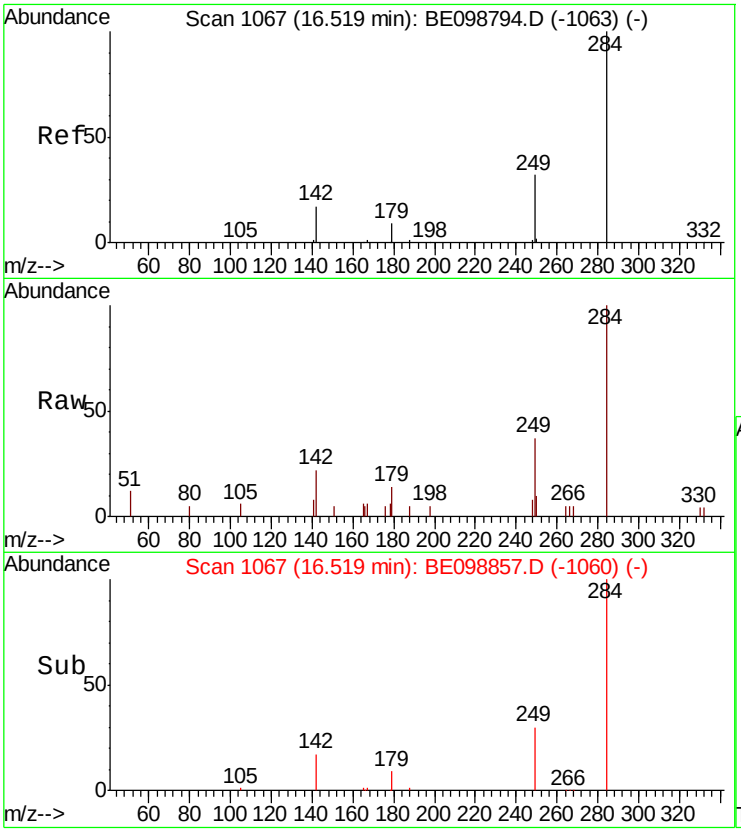


#20
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:248 Resp: 1189

Ion	Ratio	Lower	Upper
248	100		
250	86.5	70.6	105.8
141	95.6	68.6	102.8



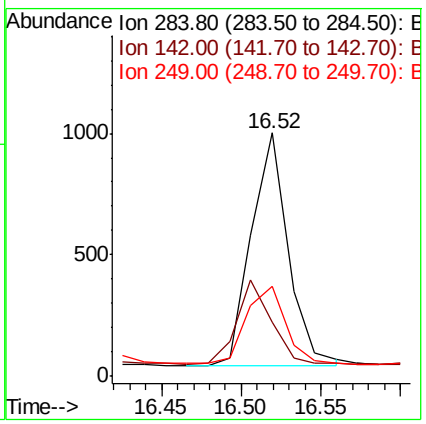


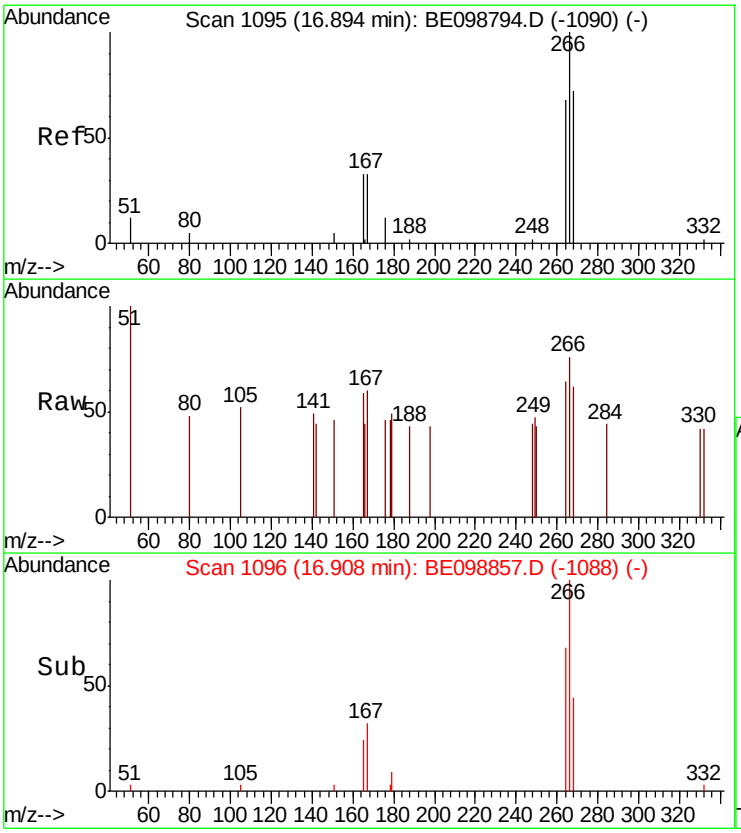
#21
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1531

Ion	Ratio	Lower	Upper
284	100		
142	33.8	28.7	43.1
249	35.2	29.6	44.4

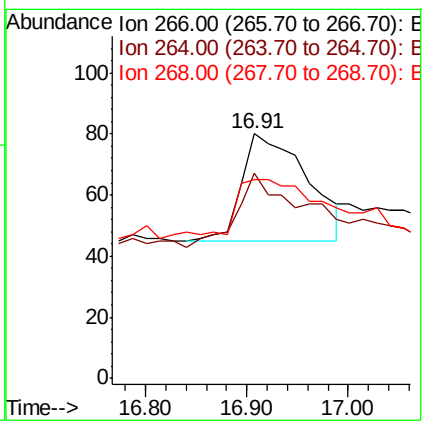


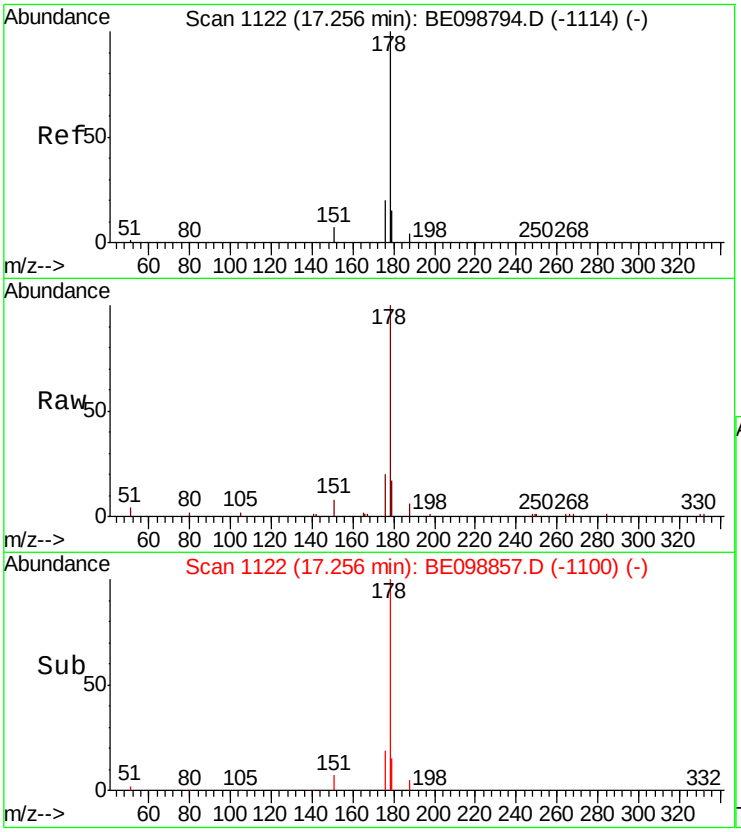


#22
Pentachlorophenol
Concen: 0.382 ng
RT: 16.91 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:266 Resp: 157

Ion	Ratio	Lower	Upper
266	100		
264	83.7	66.6	100.0
268	81.3	69.8	104.8



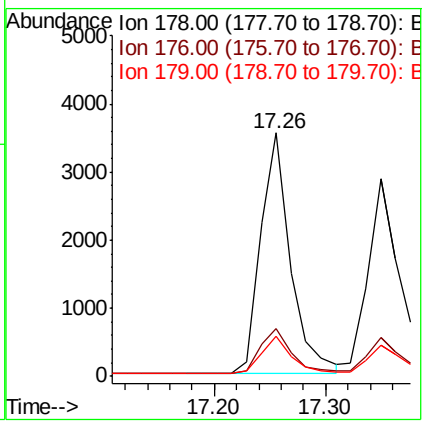


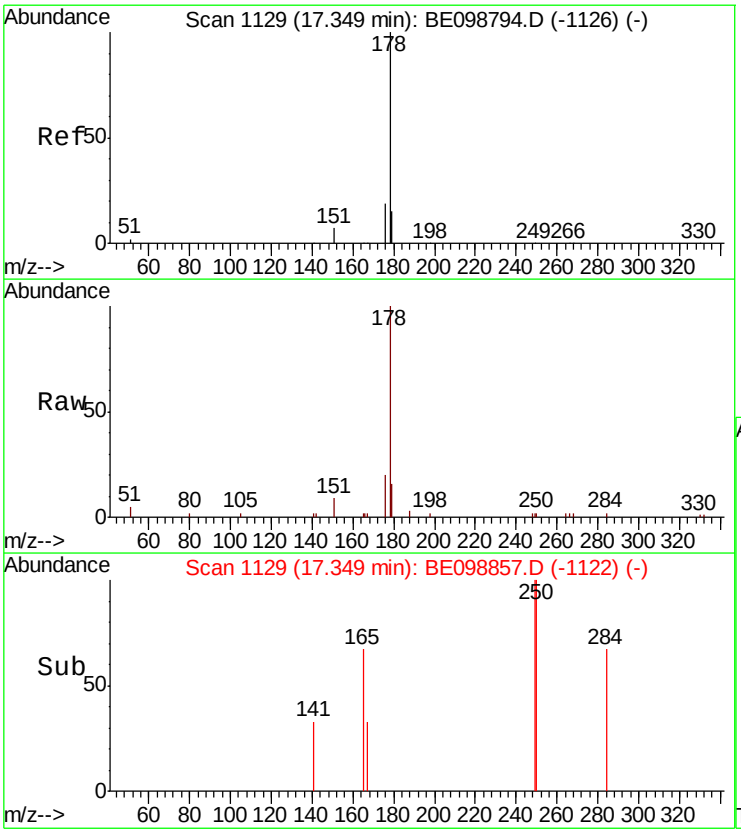
#23
Phenanthrene
Concen: 0.380 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 6586

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.3	12.1	18.1

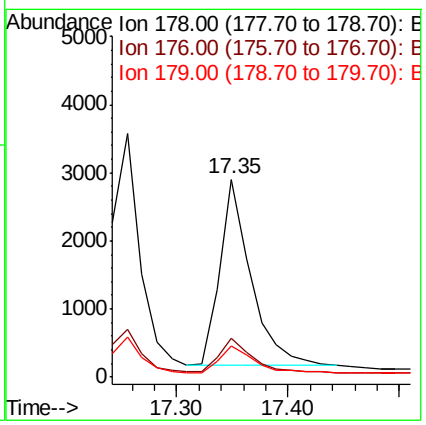


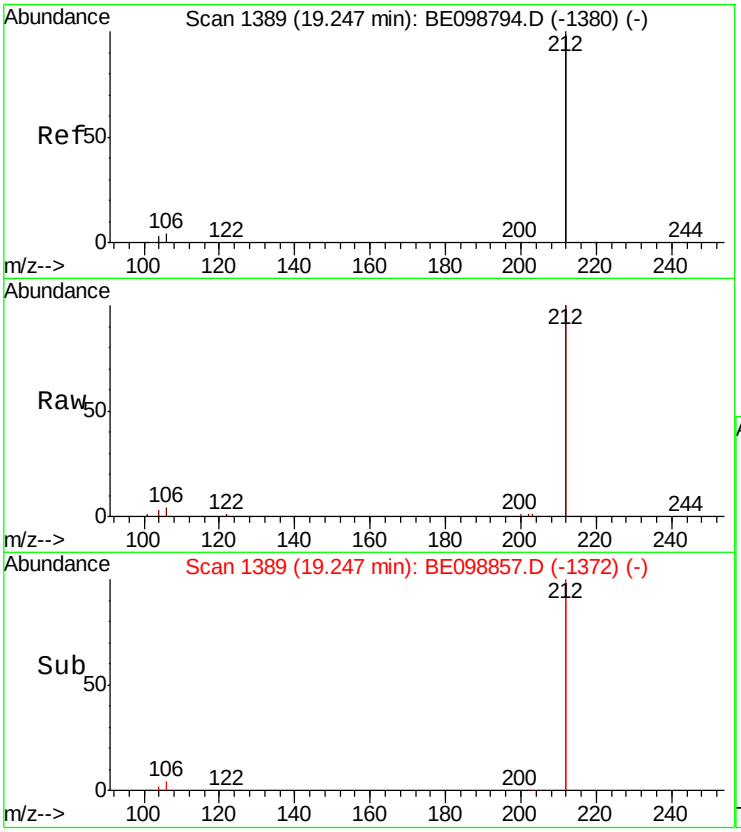


#24
Anthracene
Concen: 0.355 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:178 Resp: 5263

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.2	12.2	18.4



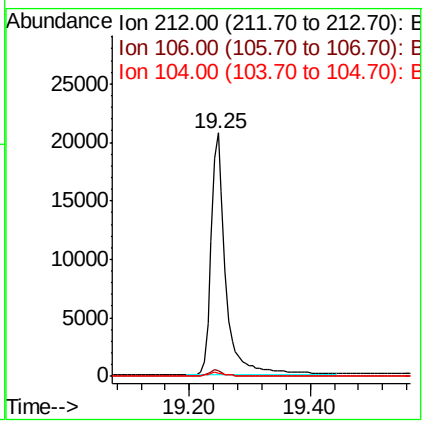


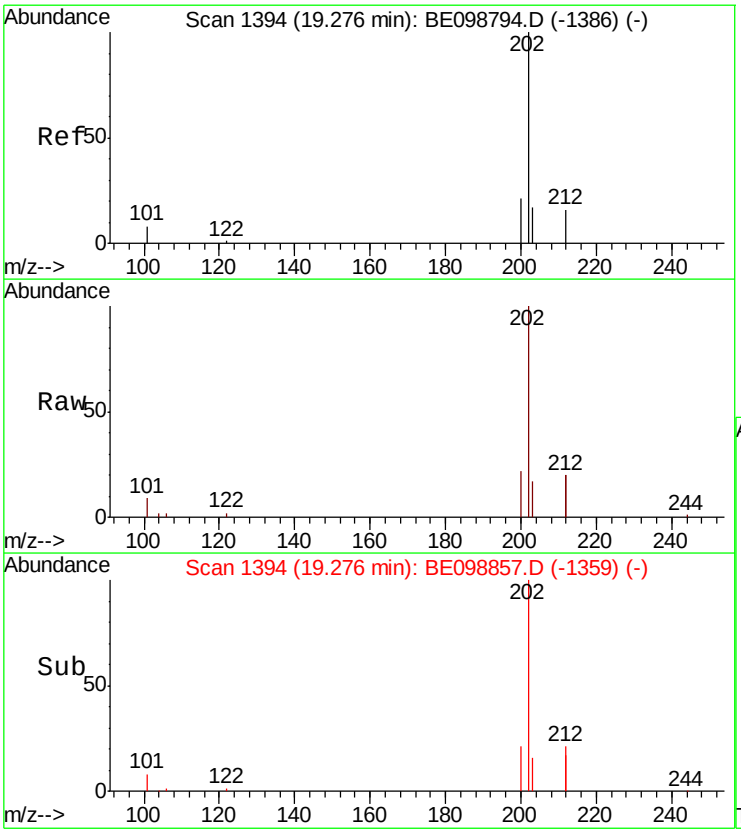
#25
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.25 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 34481

Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.4	1.0	1.6

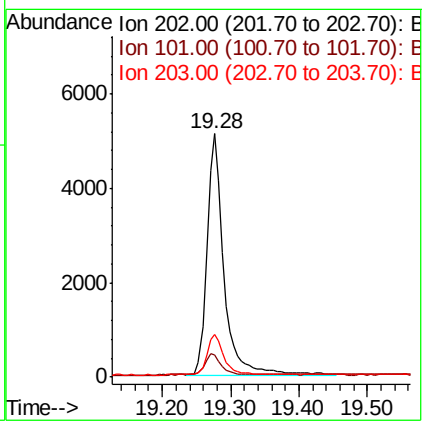


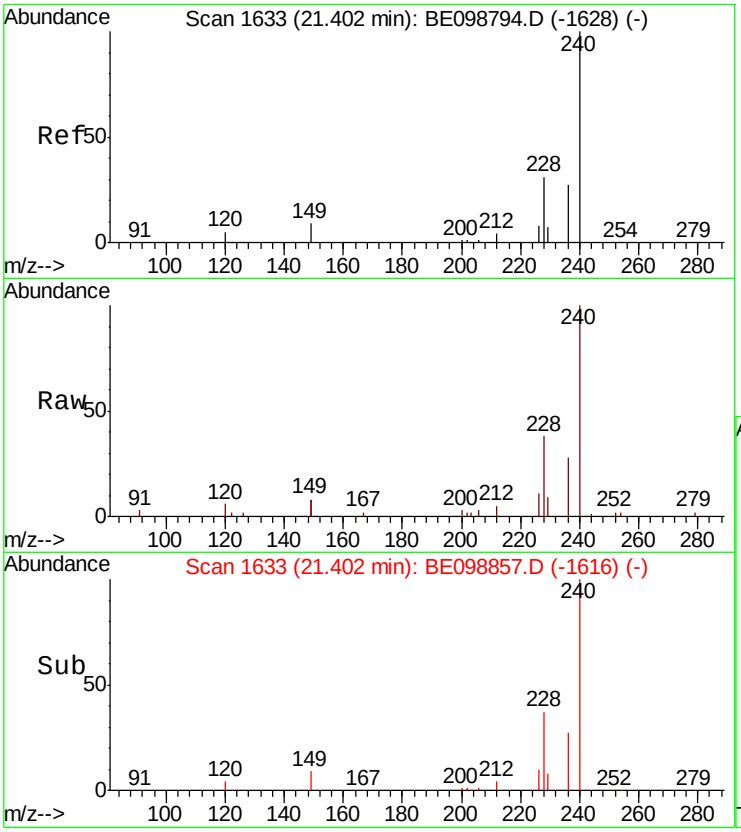


#26
Fluoranthene
Concen: 0.358 ng
RT: 19.28 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:202 Resp: 8762

Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.3	10.9
203	16.6	13.4	20.2



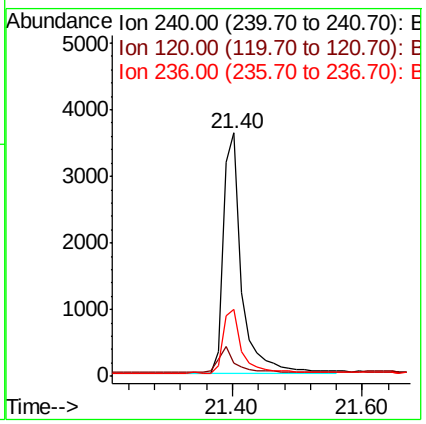


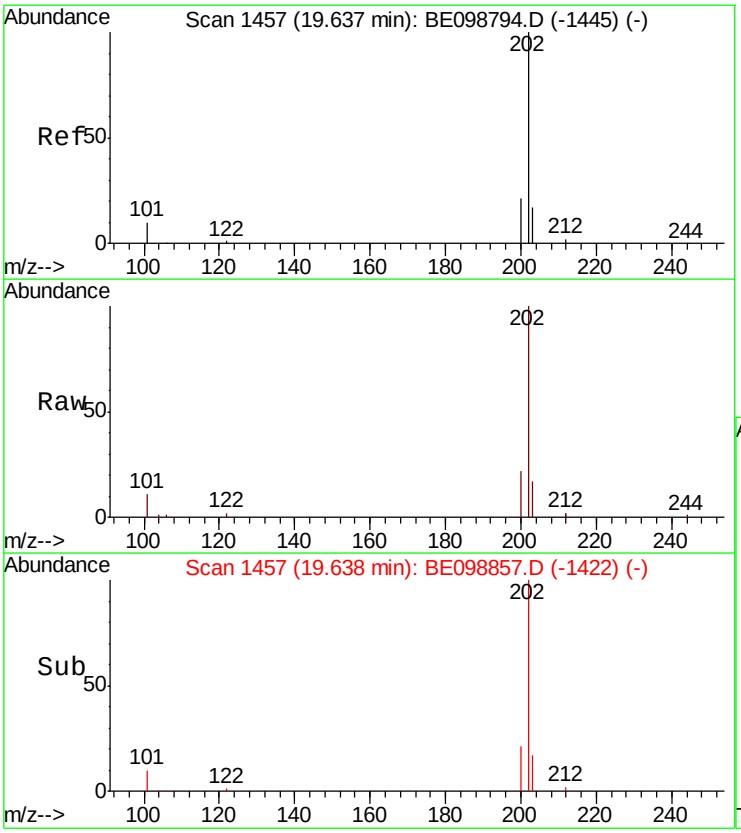
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 7187

Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.0	7.4
236	27.6	22.7	34.1

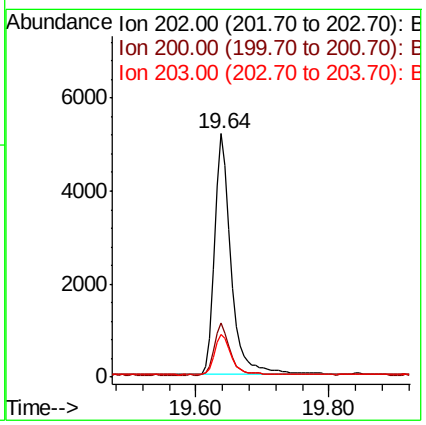


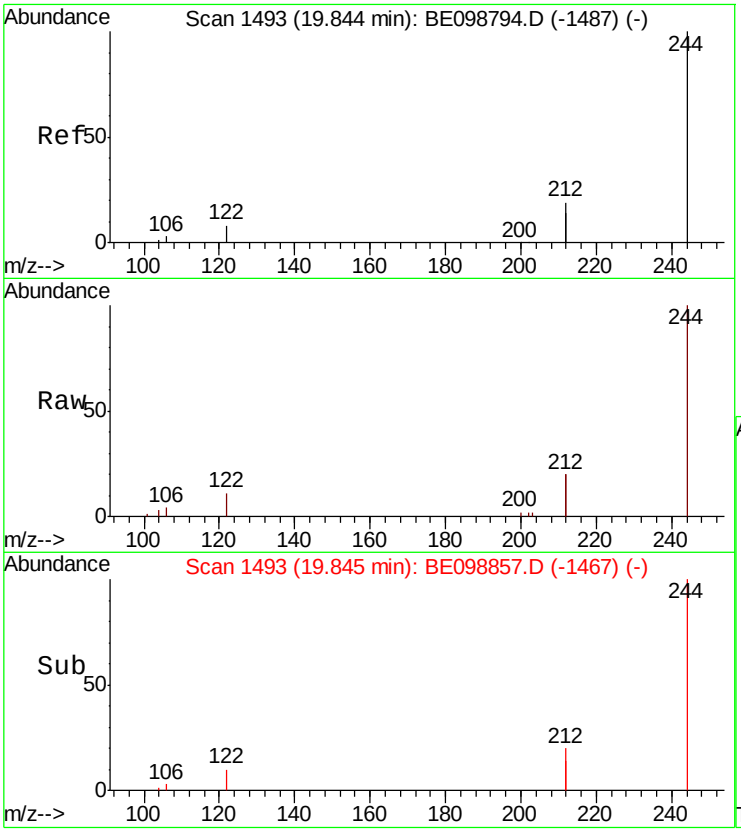


#28
Pyrene
Concen: 0.407 ng
RT: 19.64 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:202 Resp: 8943

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.2	14.2	21.2



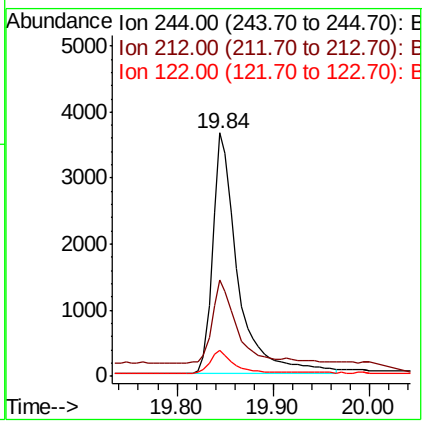


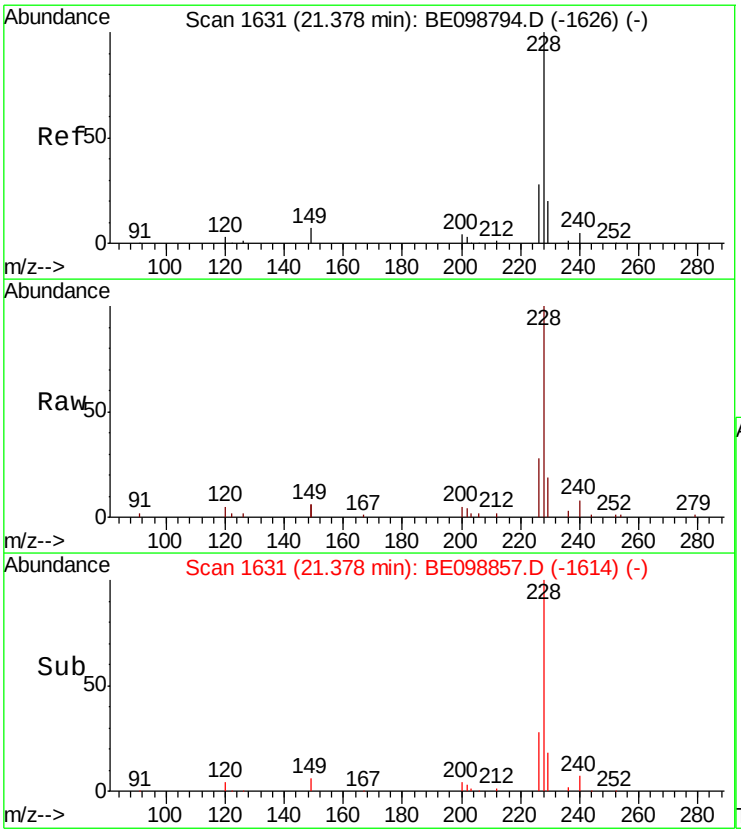
#29
Terphenyl-d14
Concen: 0.383 ng
RT: 19.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6686

Ion	Ratio	Lower	Upper
244	100		
212	39.8	29.4	44.2
122	10.9	7.1	10.7#

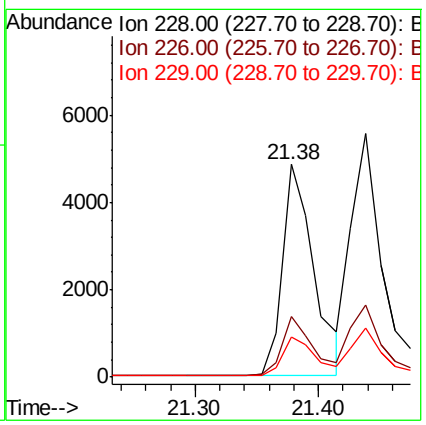


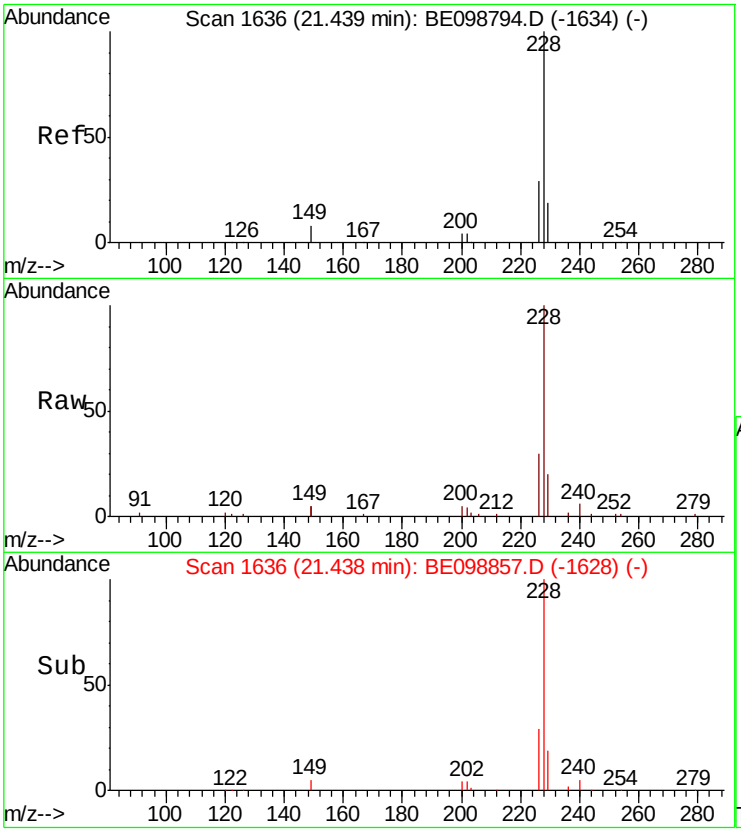


#30
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:228 Resp: 8572

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.4
229	18.9	16.5	24.7



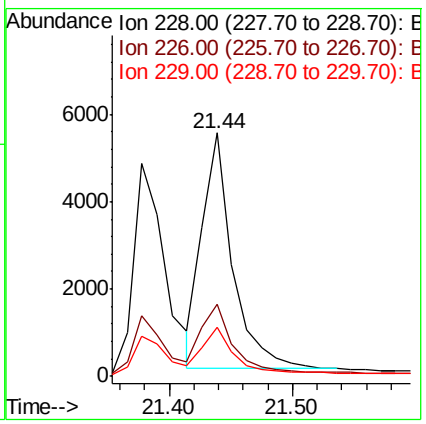


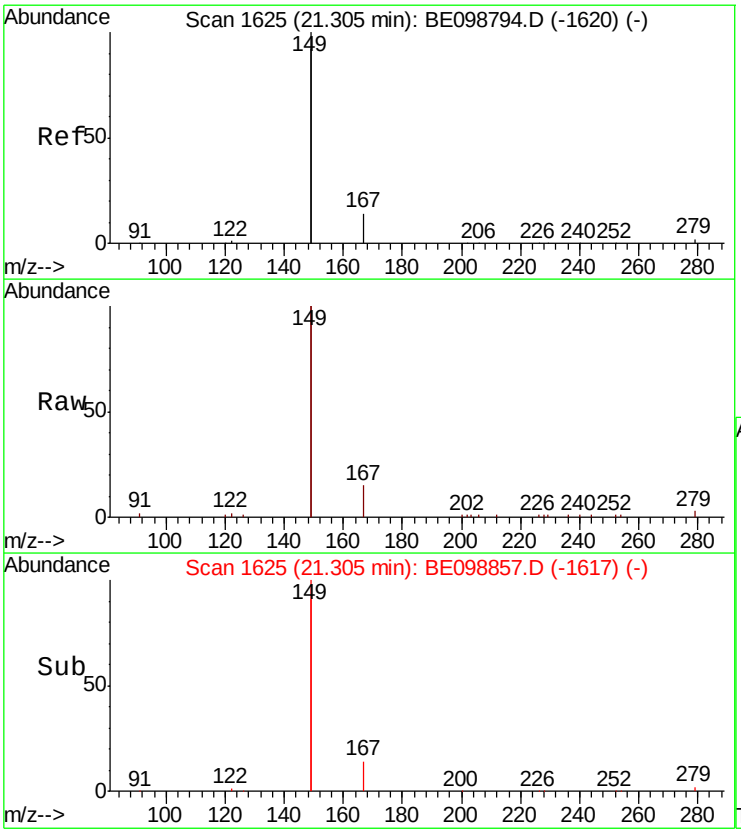
#31
Chrysene
Concen: 0.385 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 9247

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	20.0	16.1	24.1

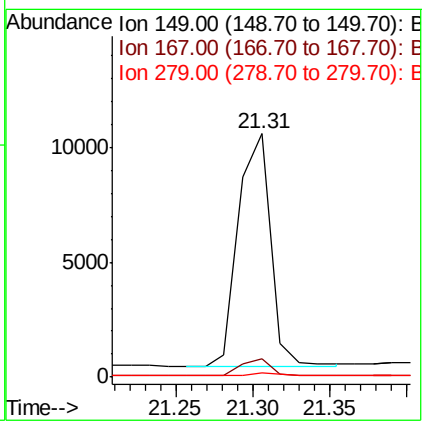


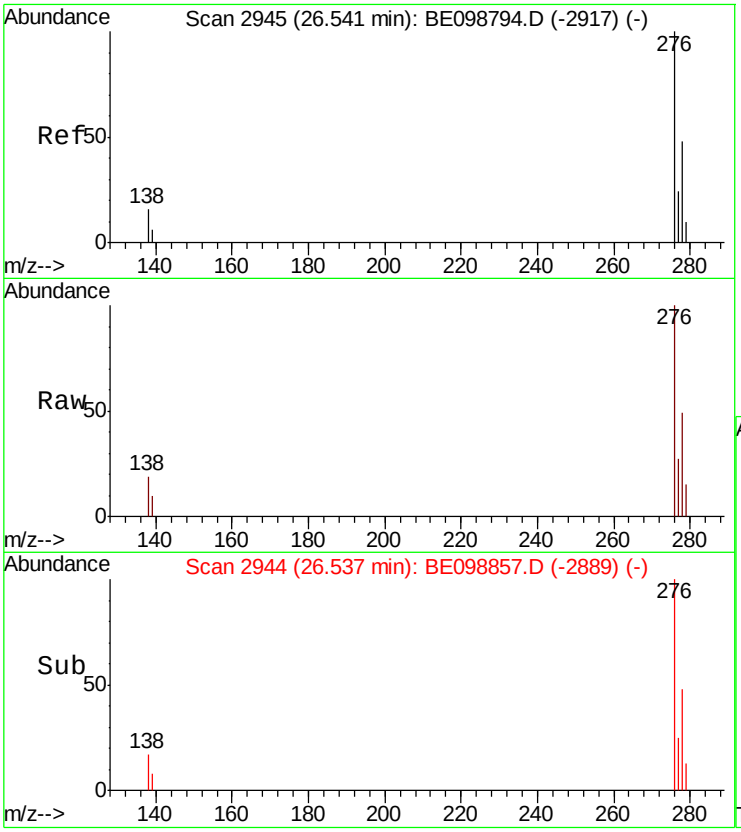


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.309 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:149 Resp: 14740

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.1	1.0	1.4



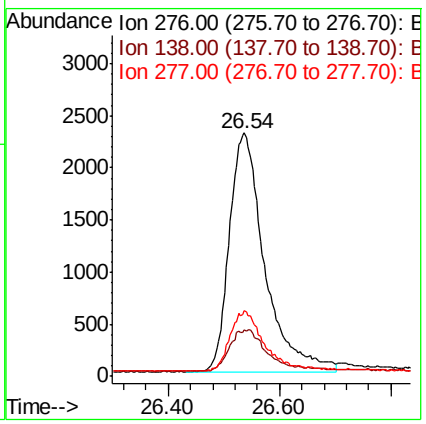


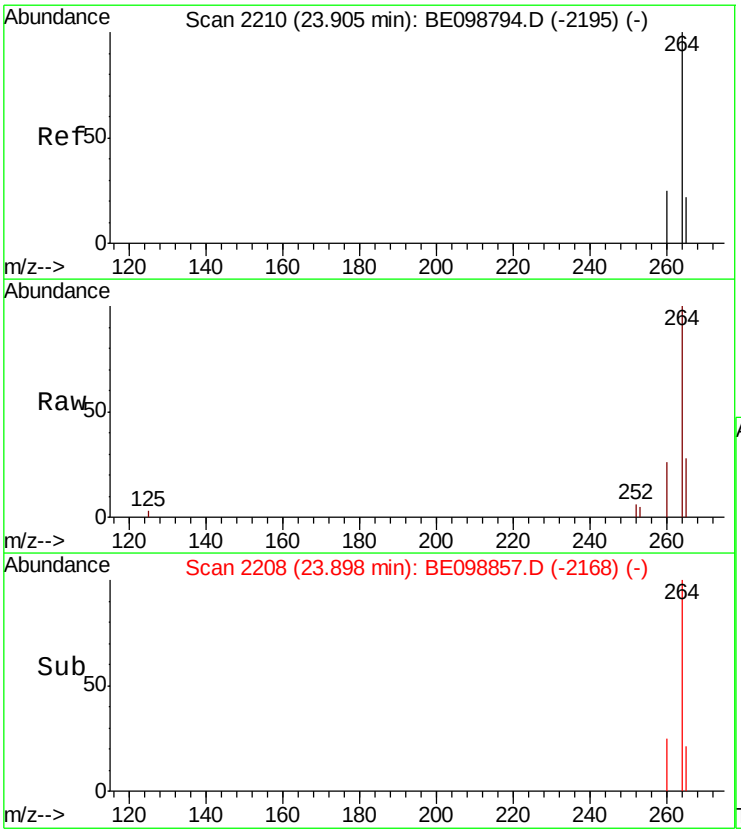
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.397 ng
RT: 26.54 min Scan# 2944
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10059

Ion	Ratio	Lower	Upper
276	100		
138	5.9	13.8	20.8#
277	23.6	19.5	29.3

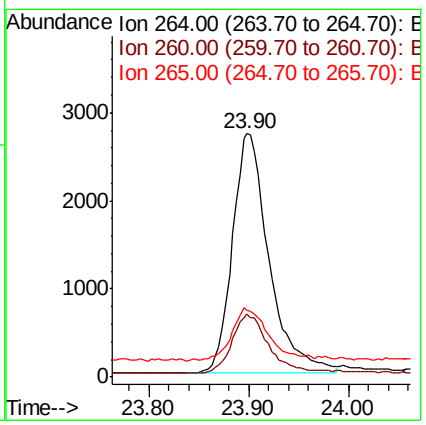


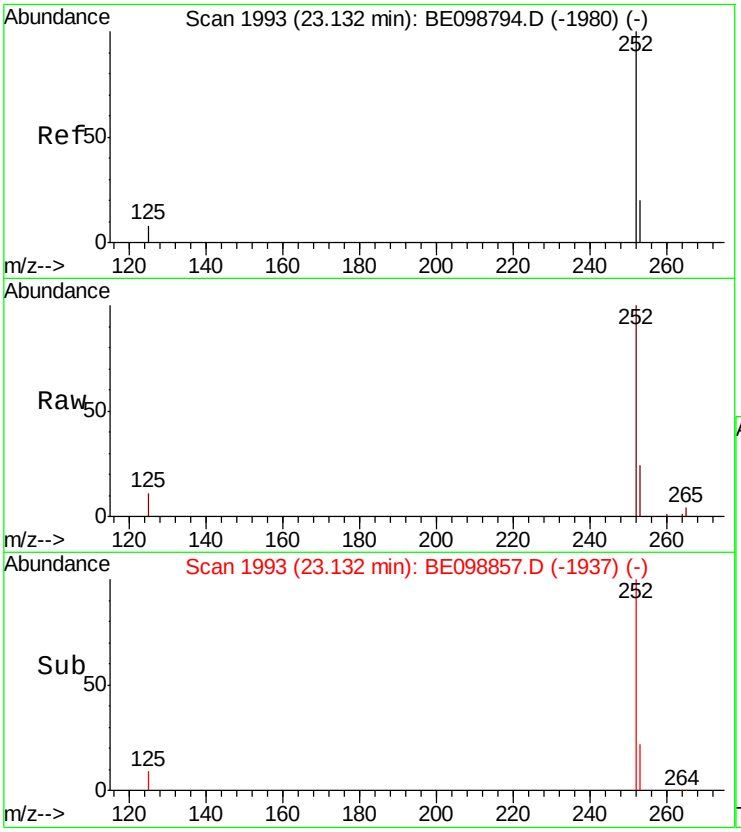


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:264 Resp: 6907

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.2	31.8
265	27.5	24.6	36.8



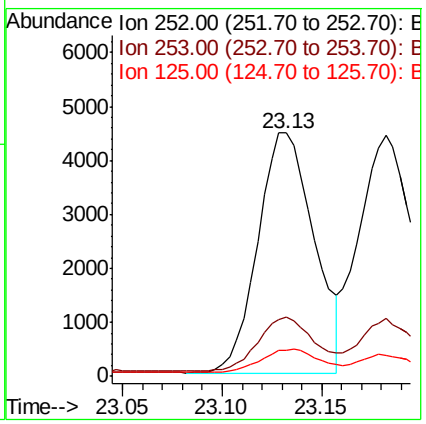


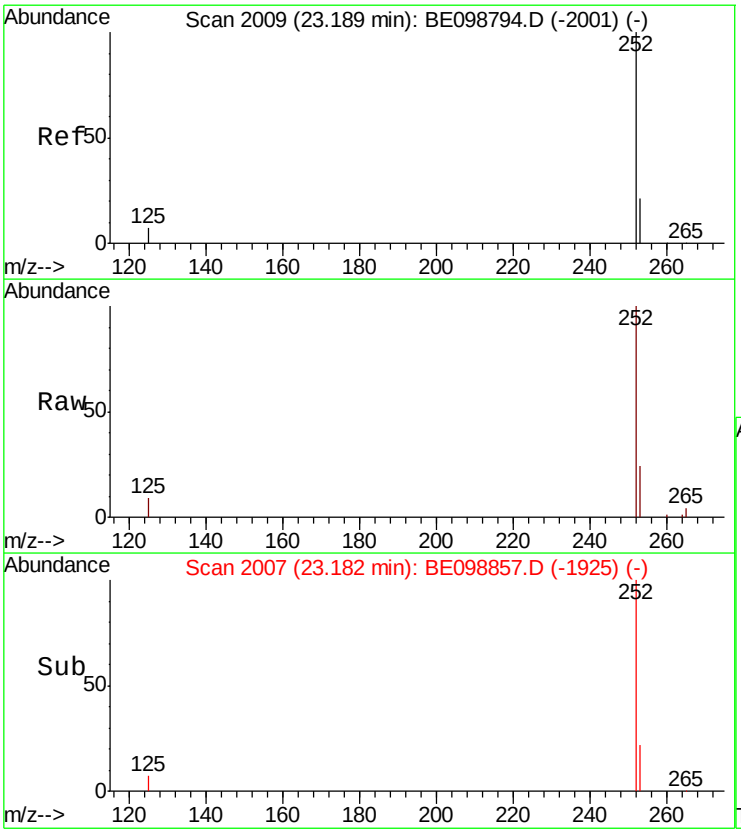
#35
Benzo(b)fluoranthene
Concen: 0.383 ng
RT: 23.13 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 8704

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	10.9	7.3	10.9

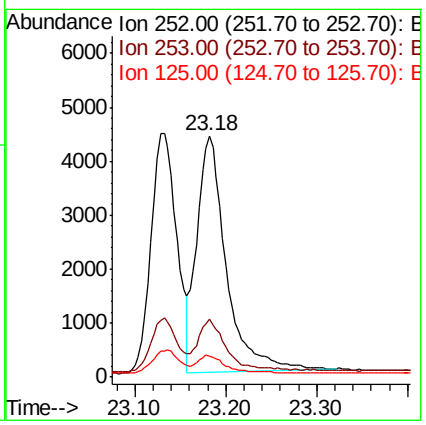


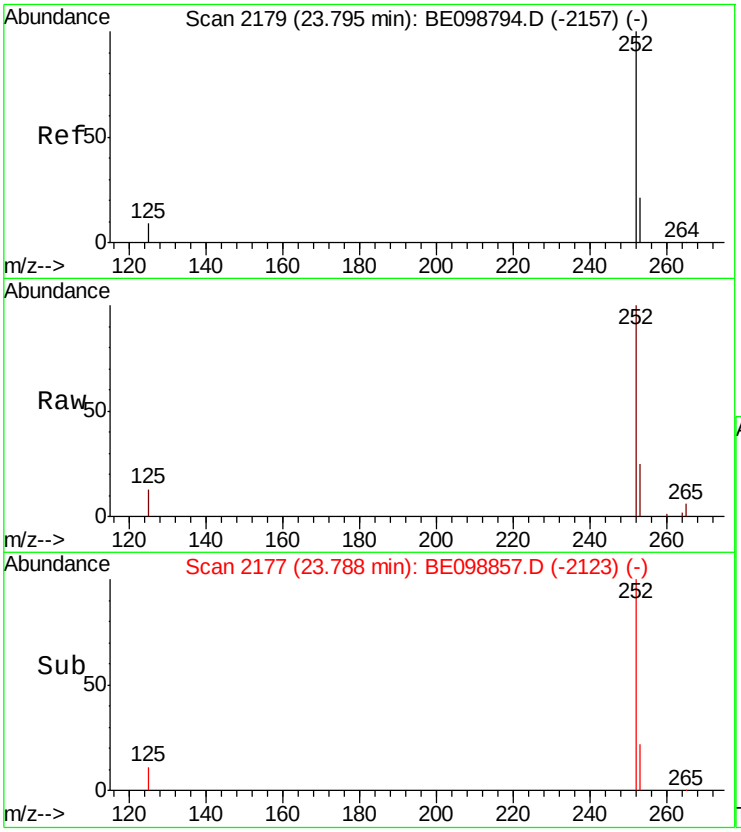


#36
Benzo(k)fluoranthene
Concen: 0.409 ng
RT: 23.18 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:252 Resp: 9721

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.3	28.9
125	8.6	7.5	11.3



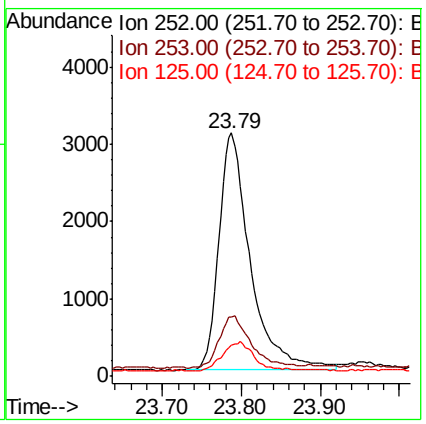


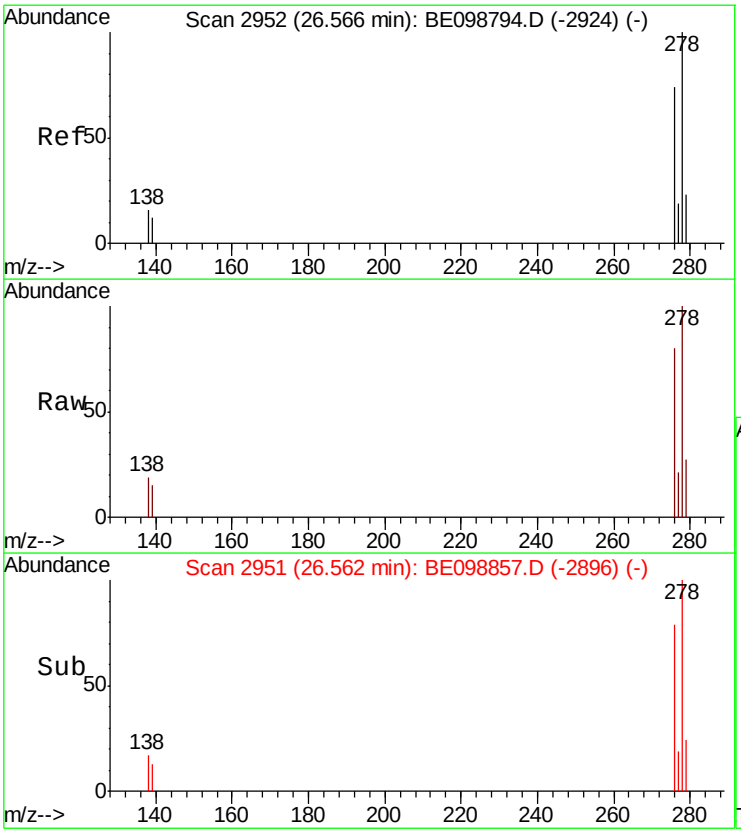
#37
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.79 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 8468

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.9	29.9
125	12.7	9.0	13.4

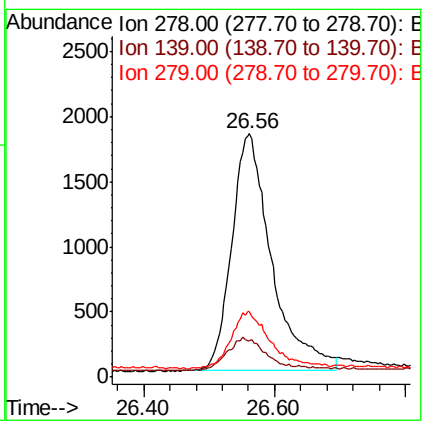


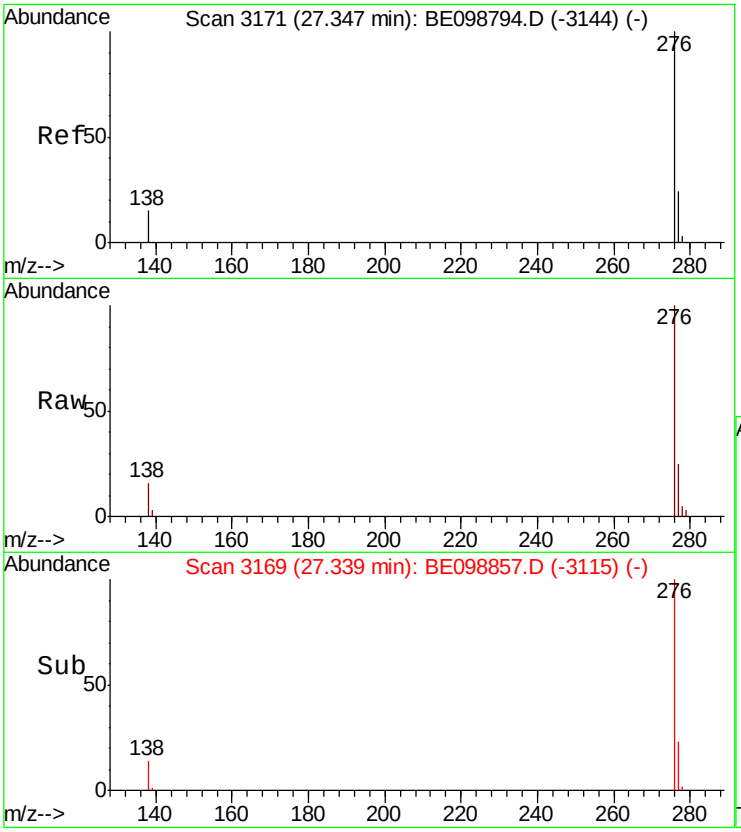


#38
Dibenzo(a,h)anthracene
Concen: 0.376 ng
RT: 26.56 min Scan# 2951
Delta R.T. -0.00 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Tgt Ion:278 Resp: 7754

Ion	Ratio	Lower	Upper
278	100		
139	15.1	11.8	17.6
279	27.1	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 27.34 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BE098857.D
Acq: 11 Mar 2019 11:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 8497

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.4	30.6
138	16.2	13.6	20.4