Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE060719\
Data File : BE099862.D
Acq On : 7 Jun 2019 20:52
Operator : JU/SJ
Sample : K3221-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : BP-DUP02-20190605

Quant Time: Jun 08 04:33:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE060719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 15:25:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	840	0.40	ng		-0.01
7) Naphthalene-d8	10.61	136	2854	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	2195	0.40	ng		0.00
19) Phenanthrene-d10	17.21	188	6606	0.40	ng		-0.01
27) Chrysene-d12	21.40	240	10255	0.40	ng		-0.01
34) Perylene-d12	23.93	264	12060	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	395	0.14	ng		0.00
5) Phenol-d6	6.97	99	303	0.09	ng		0.01
8) Nitrobenzene-d5	8.98	82	1078	0.37	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	1765	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	637	0.29	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	2919	0.37	ng		0.00
25) Fluoranthene-d10	19.25	212	36659	0.36	ng		0.00
29) Terphenyl-d14	19.84	244	8194	0.43	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	75	0.044	ng	#	1
3) n-Nitrosodimethylamine	3.63	42	5	0.006	ng	#	1
6) bis(2-Chloroethyl)ether	7.19	93	7	0.003	ng	#	42
9) Naphthalene	10.65	128	206	0.007	ng	#	49
10) Hexachlorobutadiene	10.94	225	8	0.004	ng	#	60
12) 2-Methylnaphthalene	12.28	142	18	0.003	ng	#	55
16) Acenaphthylene	14.18	152	9	0.001	ng	#	61
17) Acenaphthene	14.53	154	202	0.034	ng		95
18) Fluorene	15.51	166	10	0.001	ng	#	8
20) 4-Bromophenyl-phenylether	16.42	248	6	0.002	ng	#	65
21) Hexachlorobenzene	16.52	284	7	0.002	ng	#	1
22) Pentachlorophenol	16.88	266	414	0.535	ng		89
23) Phenanthrene	17.27	178	85	0.005	ng	#	35
24) Anthracene	17.35	178	16	0.001	ng	#	12
26) Fluoranthene	19.28	202	164	0.006	ng		96
28) Pyrene	19.64	202	5708	0.210	ng		99
30) Benzo(a)anthracene	21.39	228	184	0.006	ng	#	5
31) Chrysene	21.44	228	155	0.005	ng	#	11
32) Bis(2-ethylhexyl)phthalate	21.29	149	1231	0.023	ng	#	91
33) Indeno(1,2,3-cd)pyrene	26.63	276	7	0.000	ng	#	8
35) Benzo(b)fluoranthene	23.16	252	269	0.008	ng	#	1
36) Benzo(k)fluoranthene	23.16	252	269	0.008	ng	#	1
37) Benzo(a)pyrene	23.82	252	116	0.004	ng	#	1
38) Dibenzo(a,h)anthracene	26.65	278	2	0.000	ng	#	1
39) Benzo(g,h,i)perylene	27.45	276	30	0.001	ng	#	1

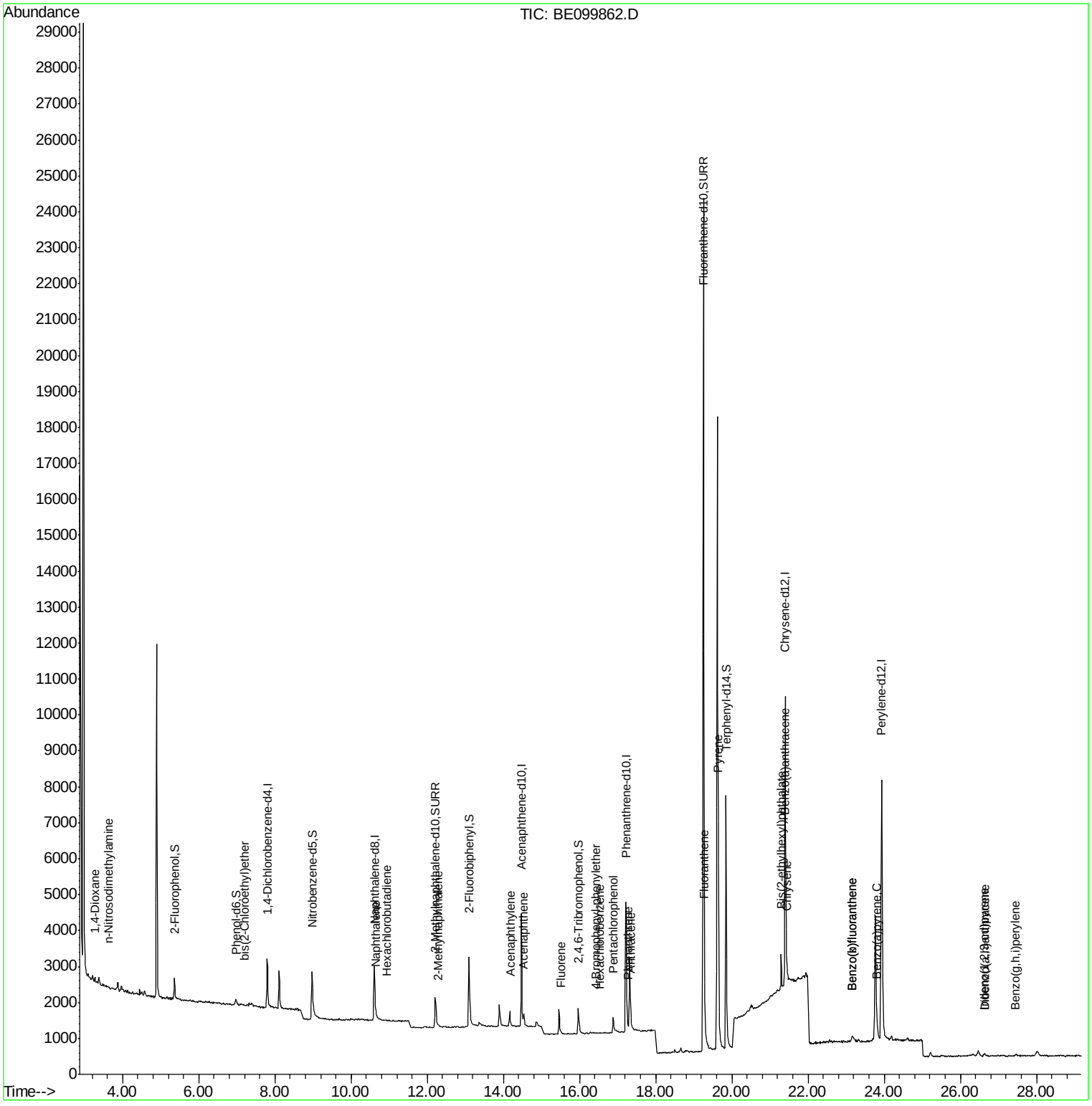
(#) = qualifier out of range (m) = manual integration (+) = signals summed

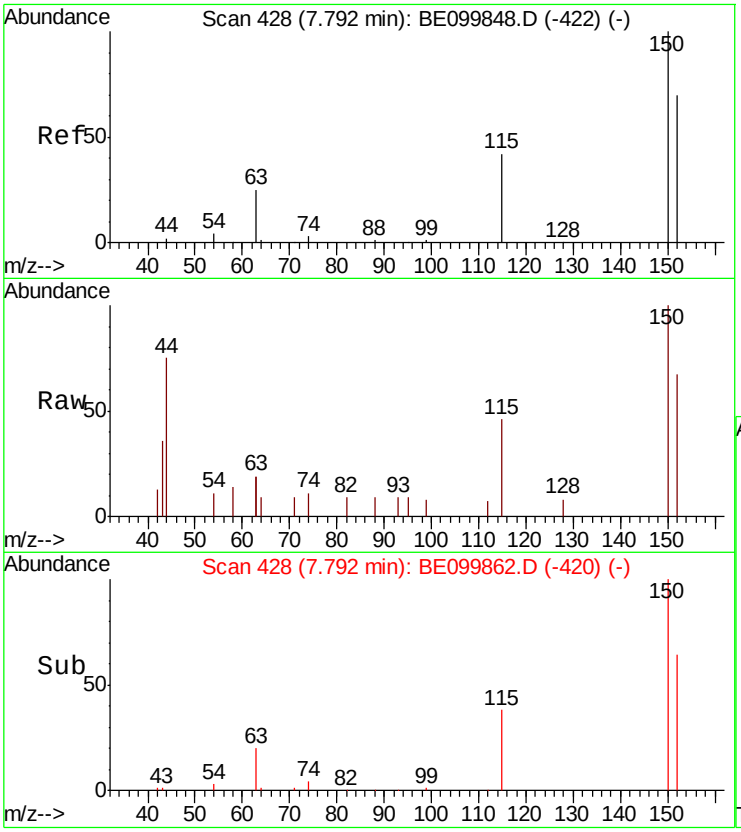
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE060719\
Data File : BE099862.D
Acq On : 7 Jun 2019 20:52
Operator : JU/SJ
Sample : K3221-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Quant Time: Jun 08 04:33:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE060719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 15:25:21 2019
Response via : Initial Calibration



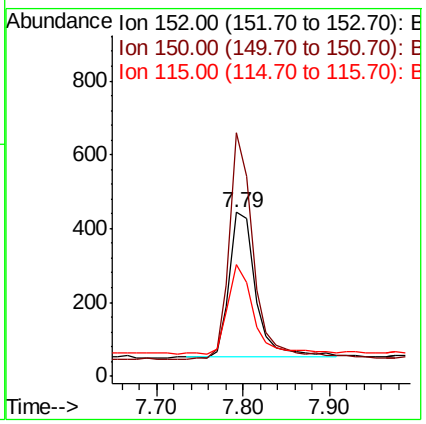


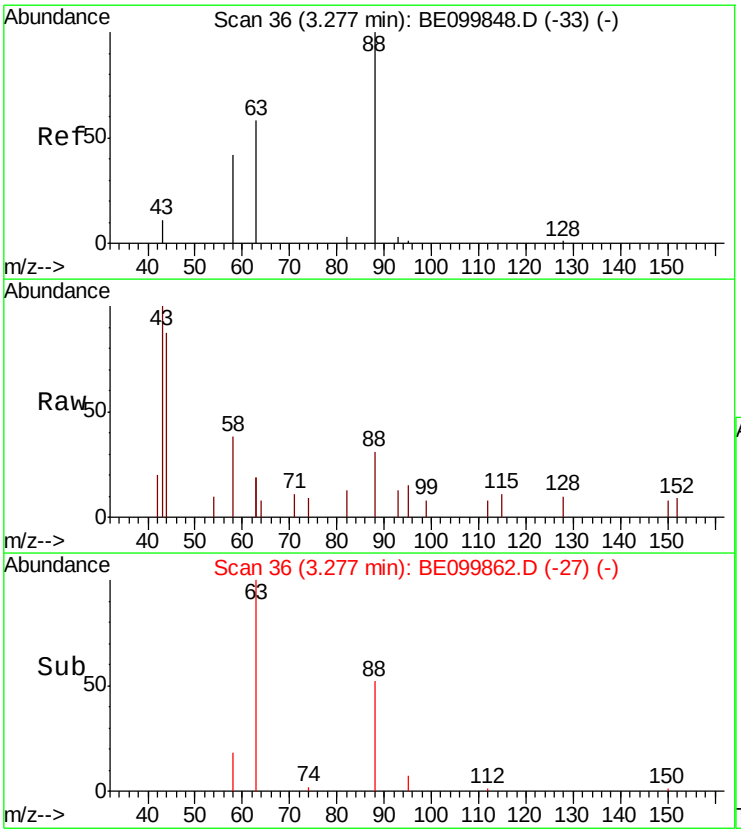
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:152 Resp: 840

Ion	Ratio	Lower	Upper
152	100		
150	148.4	112.8	169.2
115	67.8	47.6	71.4

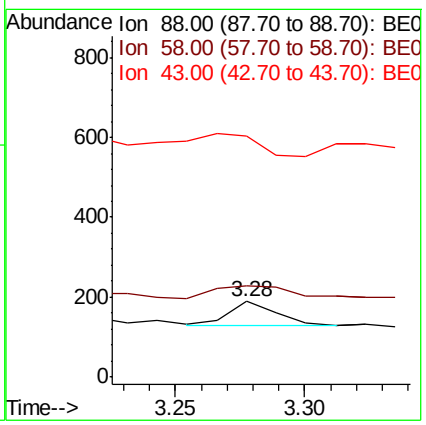


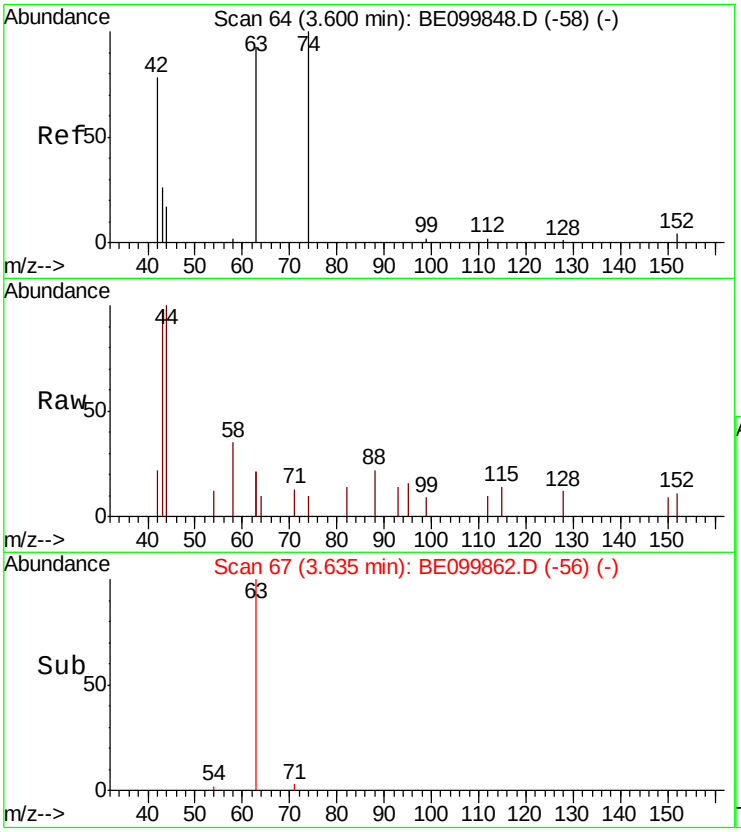


#2
1,4-Dioxane
Concen: 0.044 ng
RT: 3.28 min Scan# 36
Delta R.T. 0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion: 88 Resp: 75

Ion	Ratio	Lower	Upper
88	100		
58	92.0	47.3	70.9#
43	141.3	18.2	27.4#



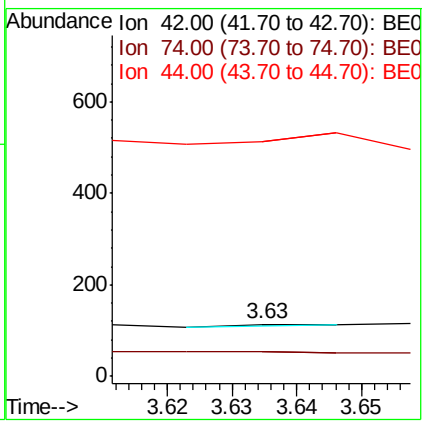


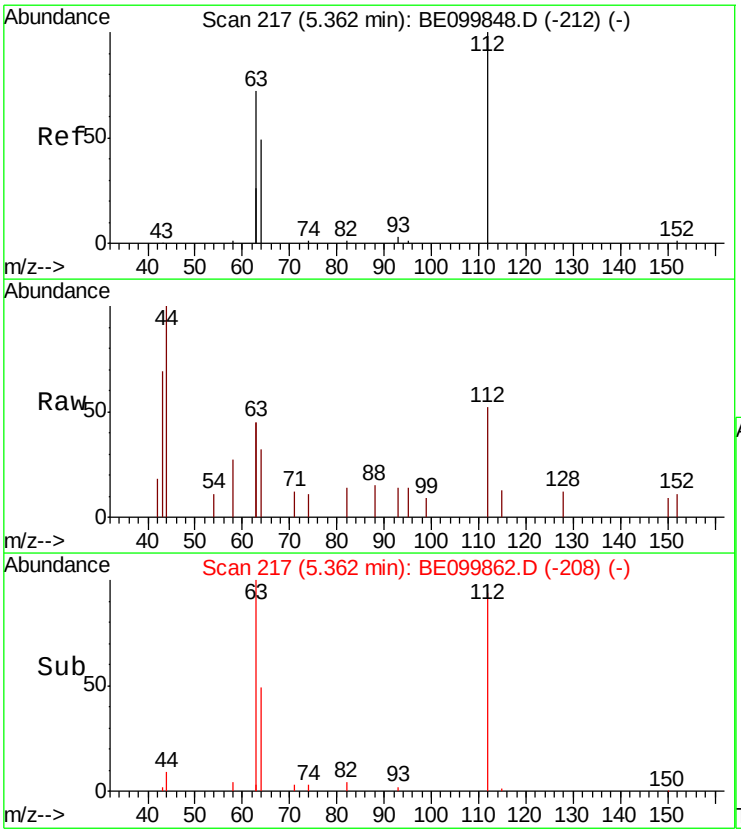
#3
n-Nitrosodimethylamine
Concen: 0.006 ng
RT: 3.63 min Scan# 67
Delta R.T. 0.02 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion: 42 Resp: 5

Ion	Ratio	Lower	Upper
42	100		
74	0.0	132.6	198.8#
44	700.0	13.4	20.0#

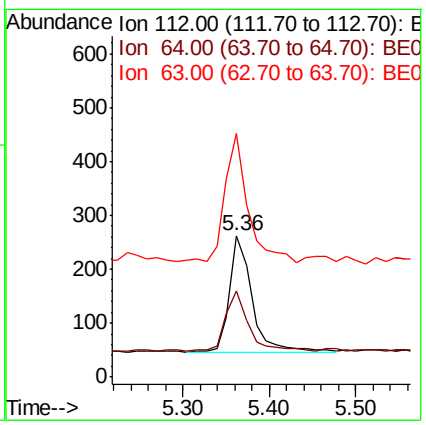


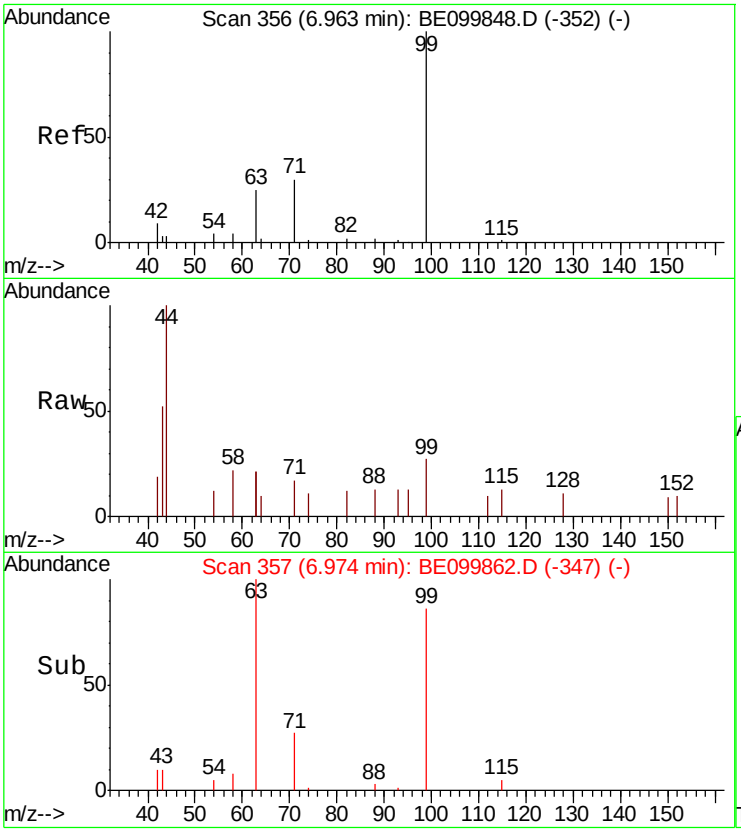


#4
2-Fluorophenol
Concen: 0.140 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:112 Resp: 395

Ion	Ratio	Lower	Upper
112	100		
64	50.1	47.2	70.8
63	112.9	90.7	136.1



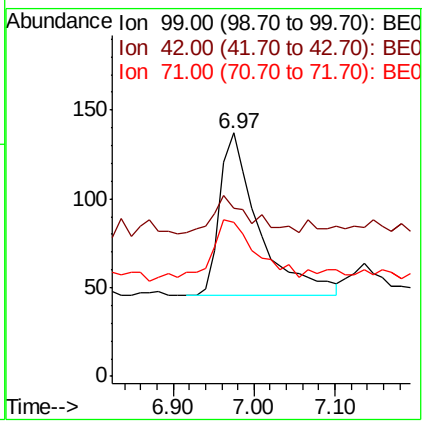


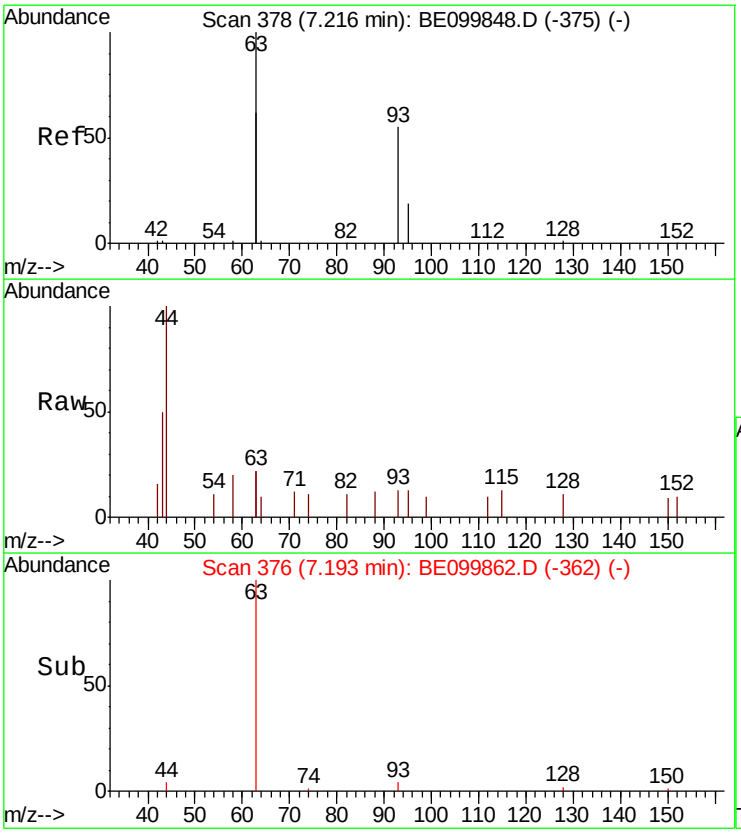
#5
Phenol-d6
Concen: 0.087 ng
RT: 6.97 min Scan# 357
Delta R.T. 0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion: 99 Resp: 303

Ion	Ratio	Lower	Upper
99	100		
42	22.1	11.0	16.4#
71	44.6	26.1	39.1#

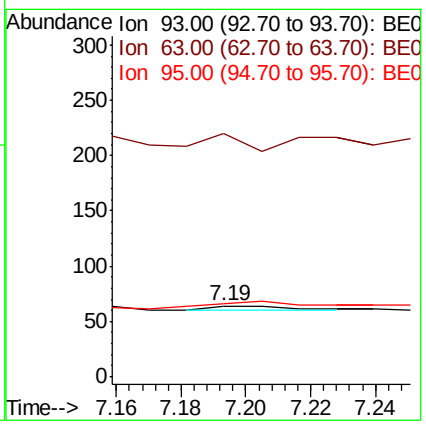


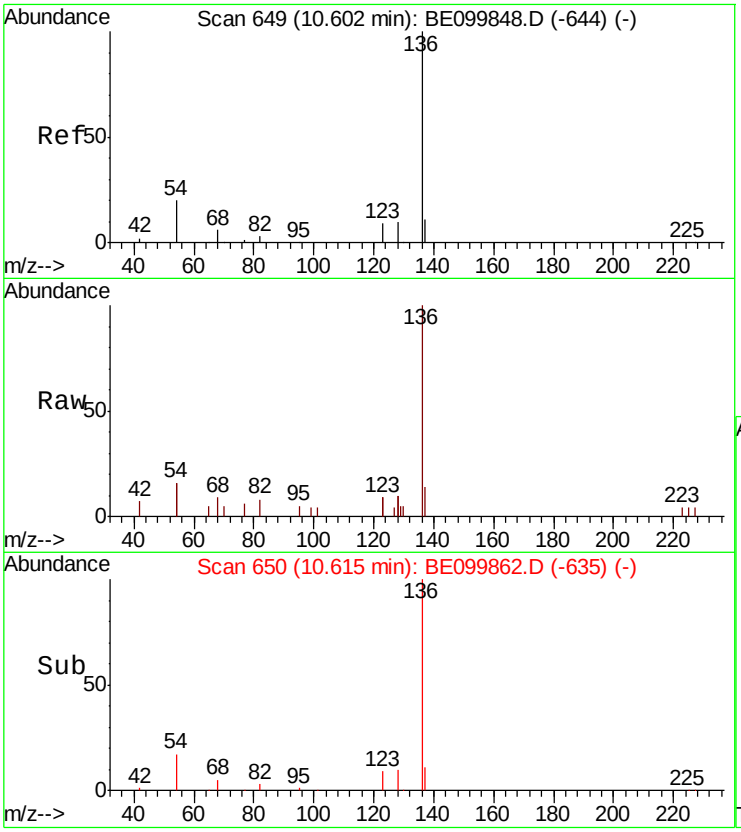


#6
bis(2-Chloroethyl)ether
Concen: 0.003 ng
RT: 7.19 min Scan# 376
Delta R.T. -0.03 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion: 93 Resp: 7

Ion	Ratio	Lower	Upper
93	100		
63	157.1	208.8	313.2#
95	0.0	27.6	41.4#



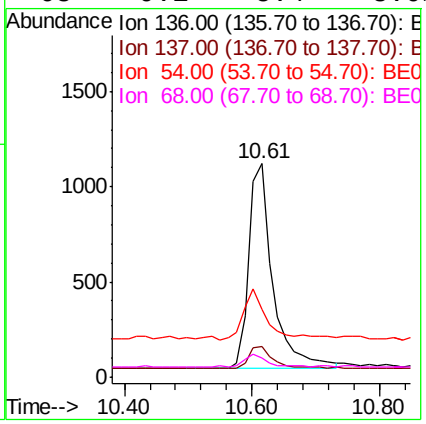


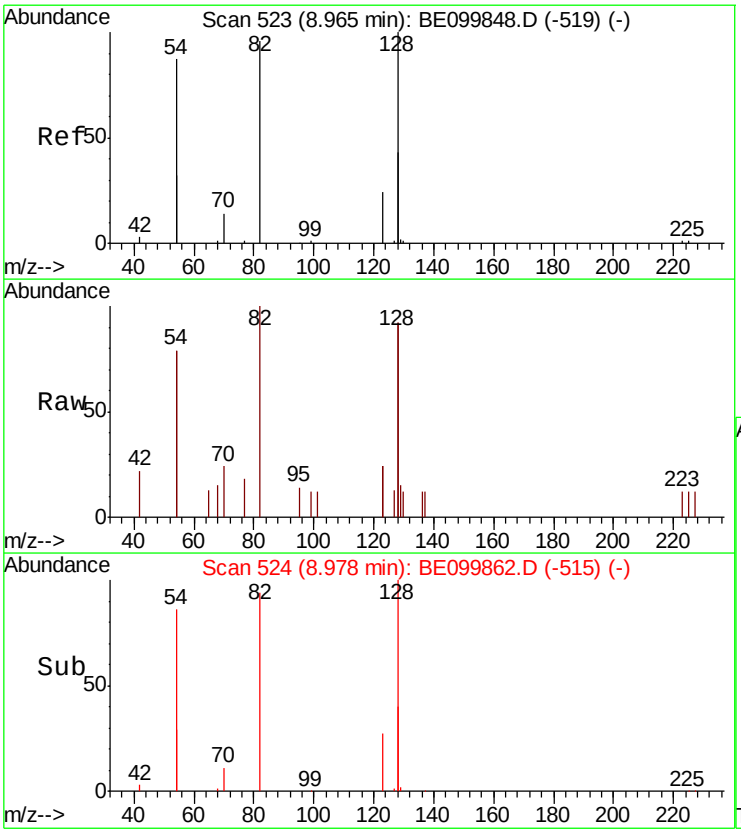
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:136 Resp: 2854

Ion	Ratio	Lower	Upper
136	100		
137	14.3	11.1	16.7
54	31.9	17.9	26.9#
68	9.1	5.4	8.0#

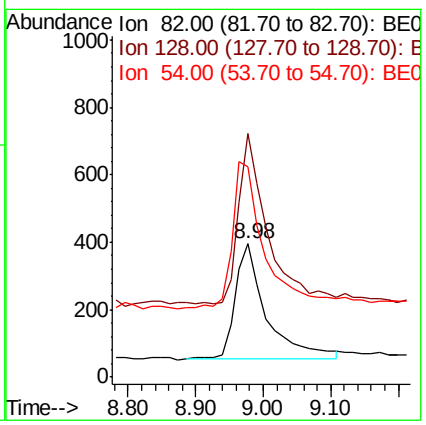


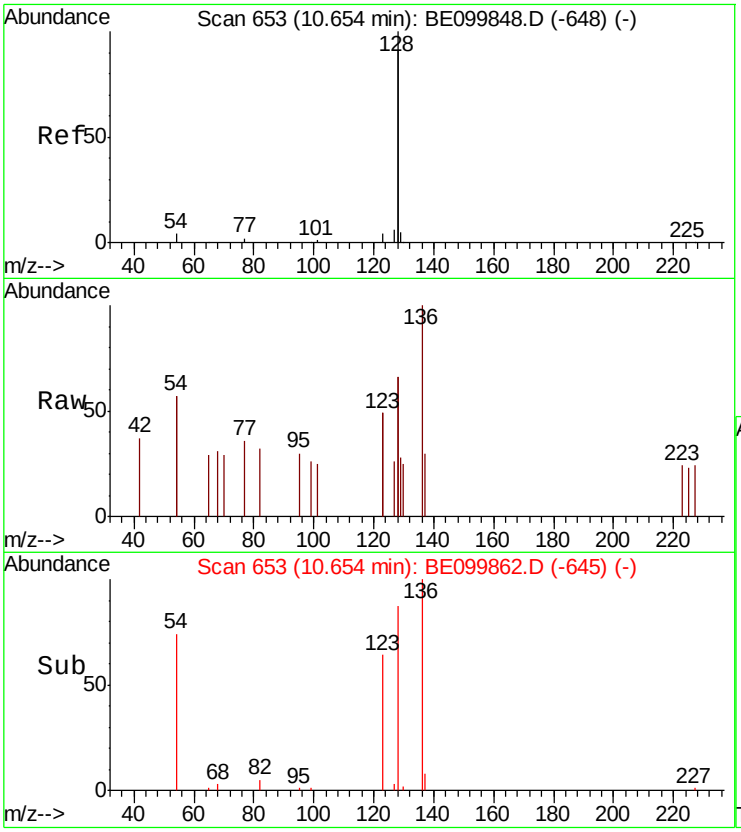


#8
Nitrobenzene-d5
Concen: 0.374 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion: 82 Resp: 1078

Ion	Ratio	Lower	Upper
82	100		
128	183.2	116.6	175.0#
54	157.9	136.2	204.4



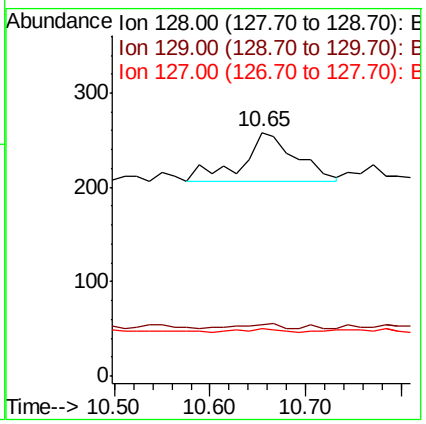


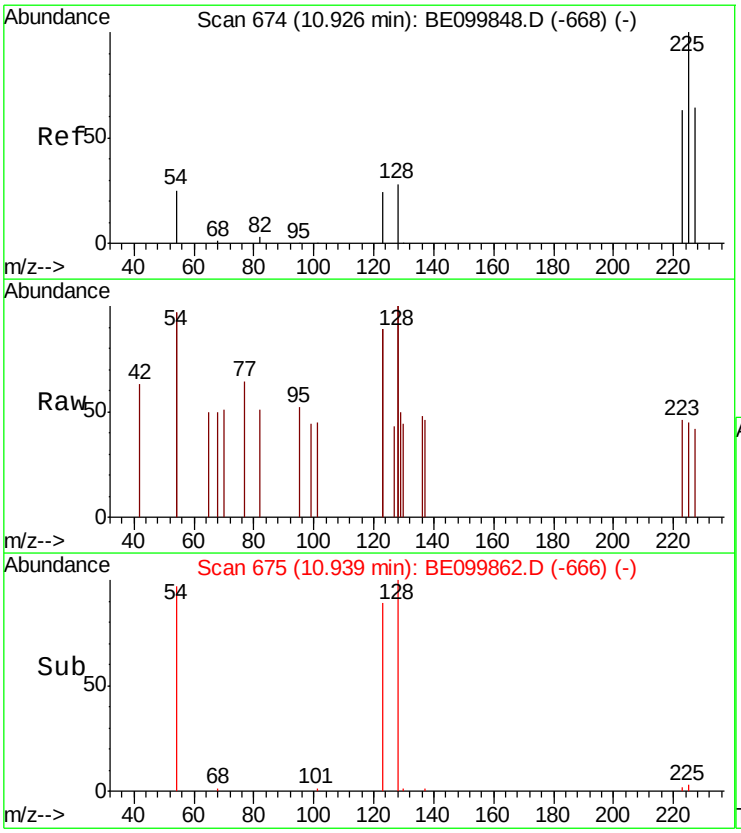
#9
Naphthalene
Concen: 0.007 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:128 Resp: 206

Ion	Ratio	Lower	Upper
128	100		
129	20.9	2.6	4.0#
127	19.8	3.0	4.6#

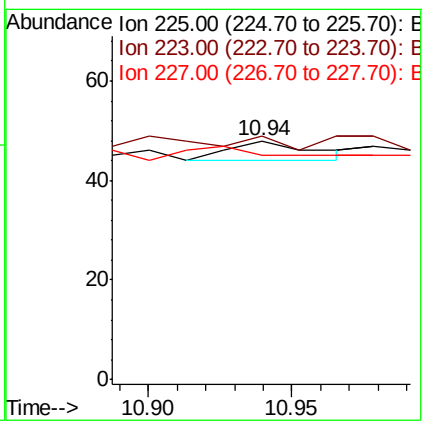


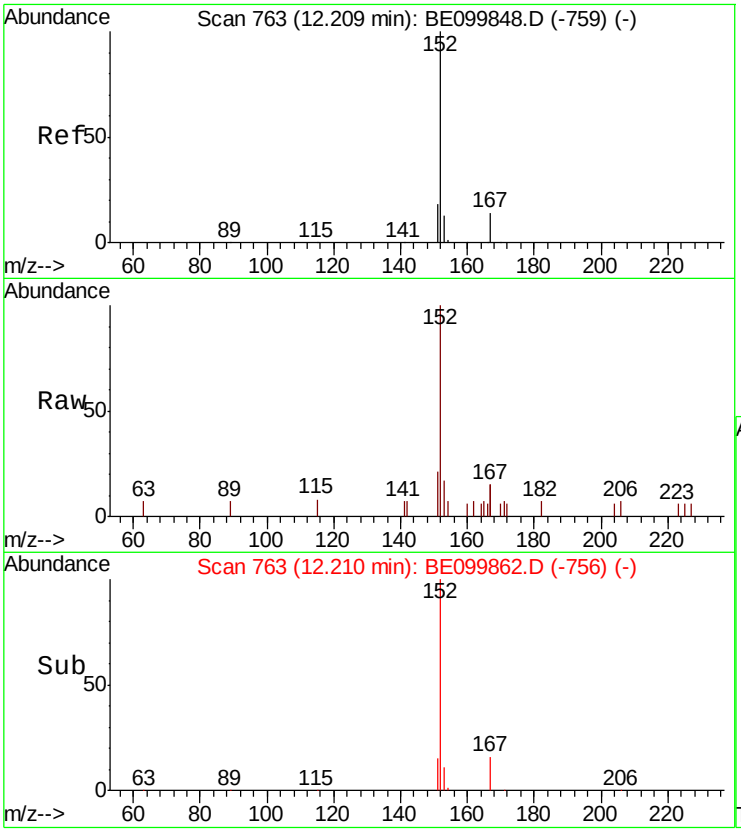


#10
Hexachlorobutadiene
Concen: 0.004 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:225 Resp: 8

Ion	Ratio	Lower	Upper
225	100		
223	0.0	48.6	72.8#
227	62.5	51.6	77.4



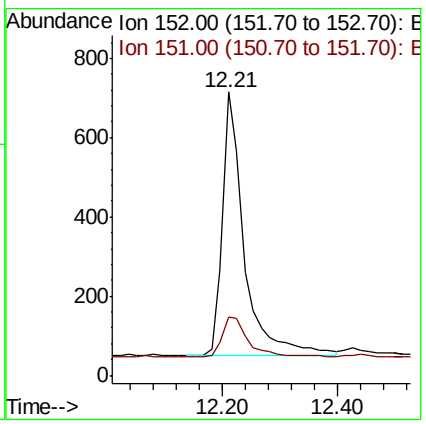


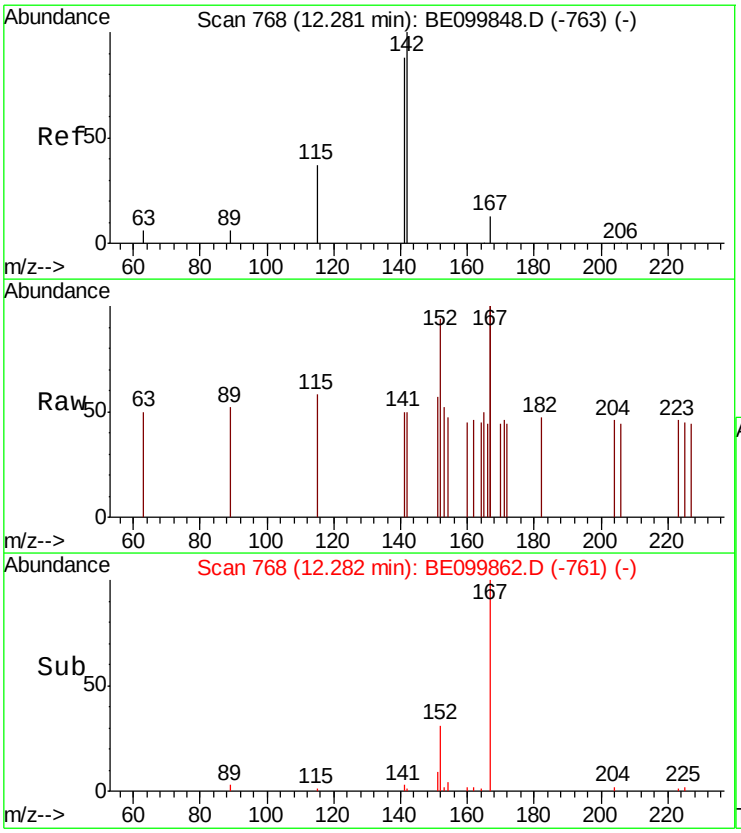
#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:152 Resp: 1765

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.8	23.8

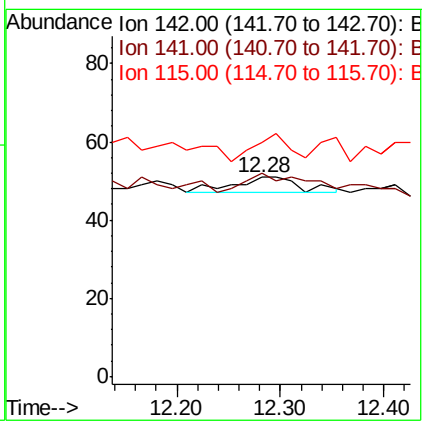


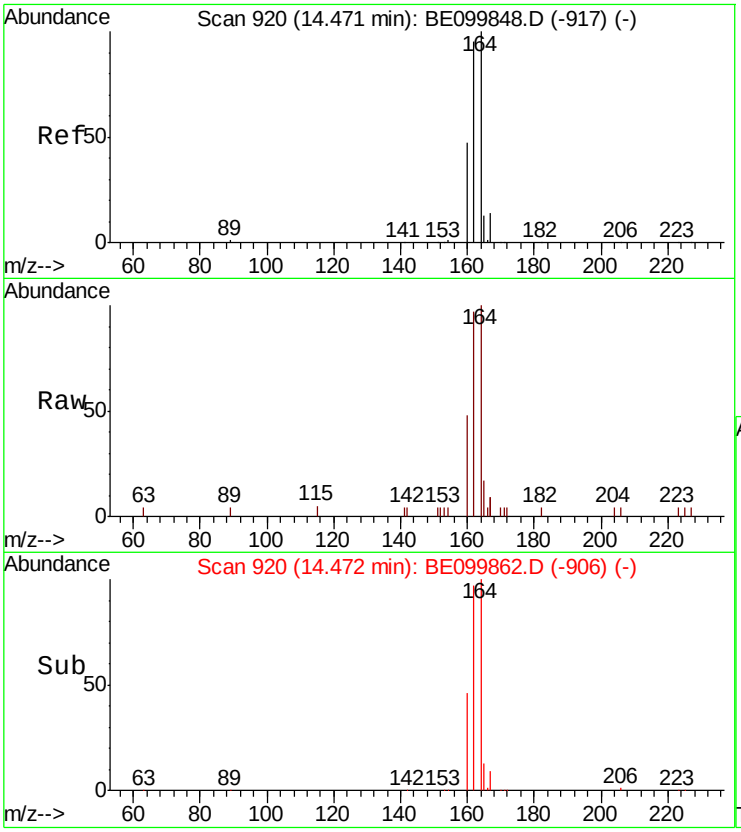


#12
2-Methylnaphthalene
Concen: 0.003 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:142 Resp: 18

Ion	Ratio	Lower	Upper
142	100		
141	102.0	73.3	109.9
115	117.6	33.4	50.2#



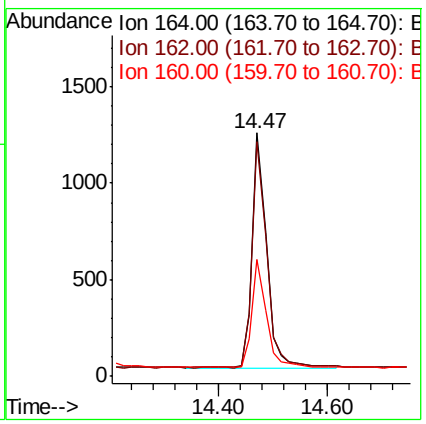


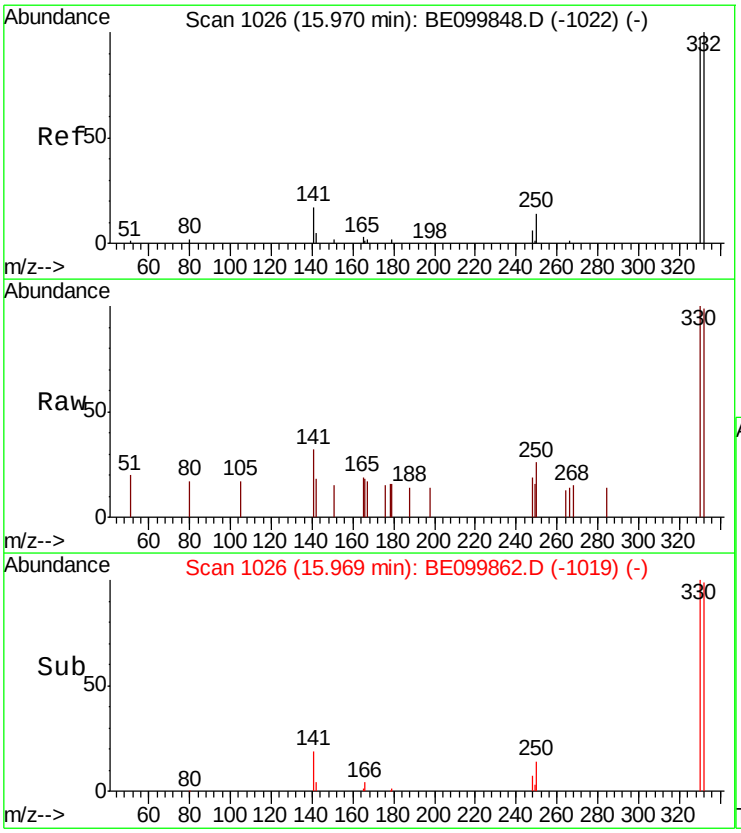
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:164 Resp: 2195

Ion	Ratio	Lower	Upper
164	100		
162	96.6	77.2	115.8
160	47.9	39.4	59.2

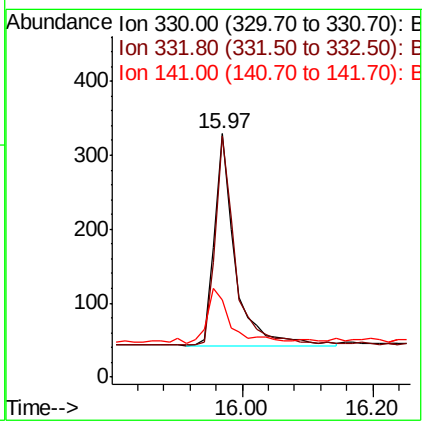


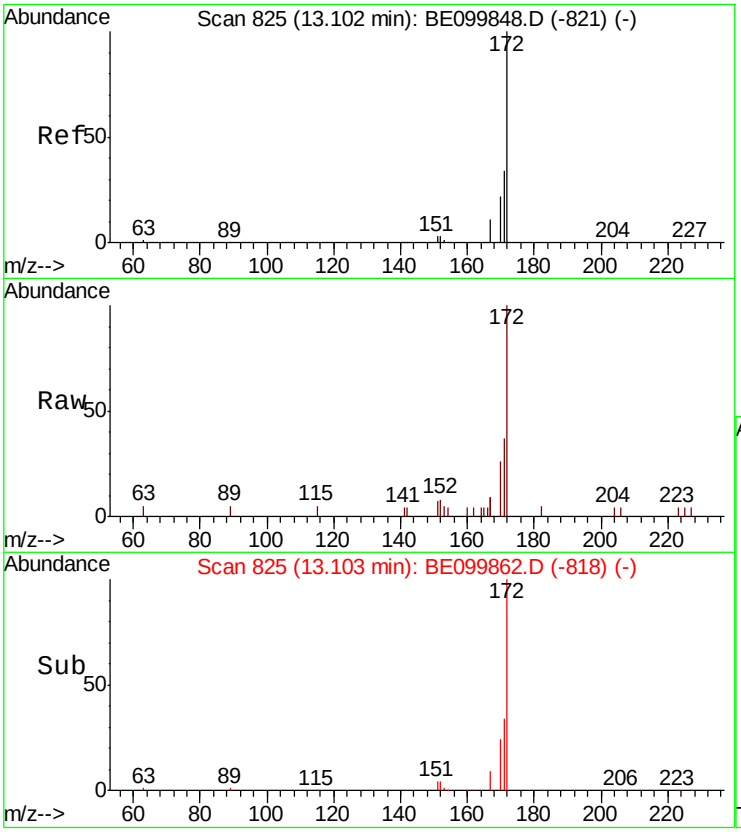


#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:330 Resp: 637

Ion	Ratio	Lower	Upper
330	100		
332	95.0	74.9	112.3
141	27.9	16.0	24.0#



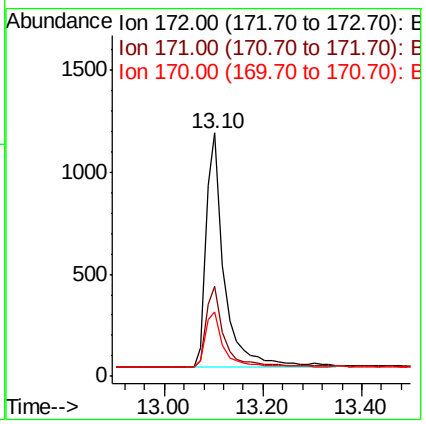


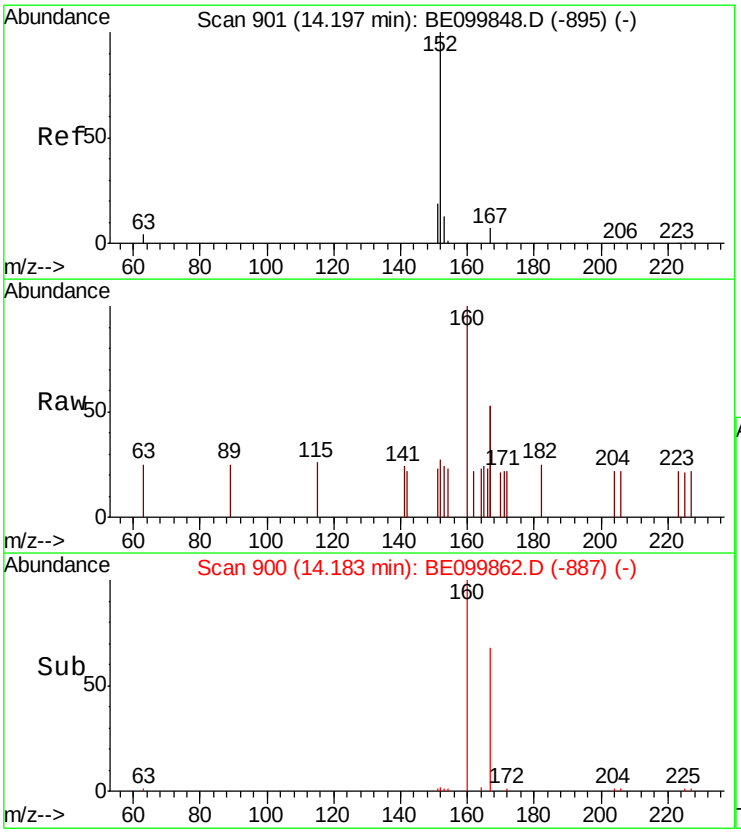
#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:172 Resp: 2919

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.2	45.4
170	26.5	20.1	30.1

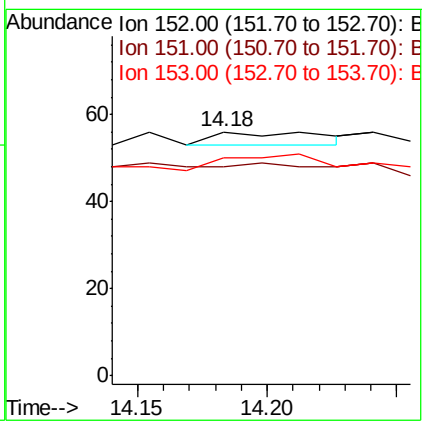


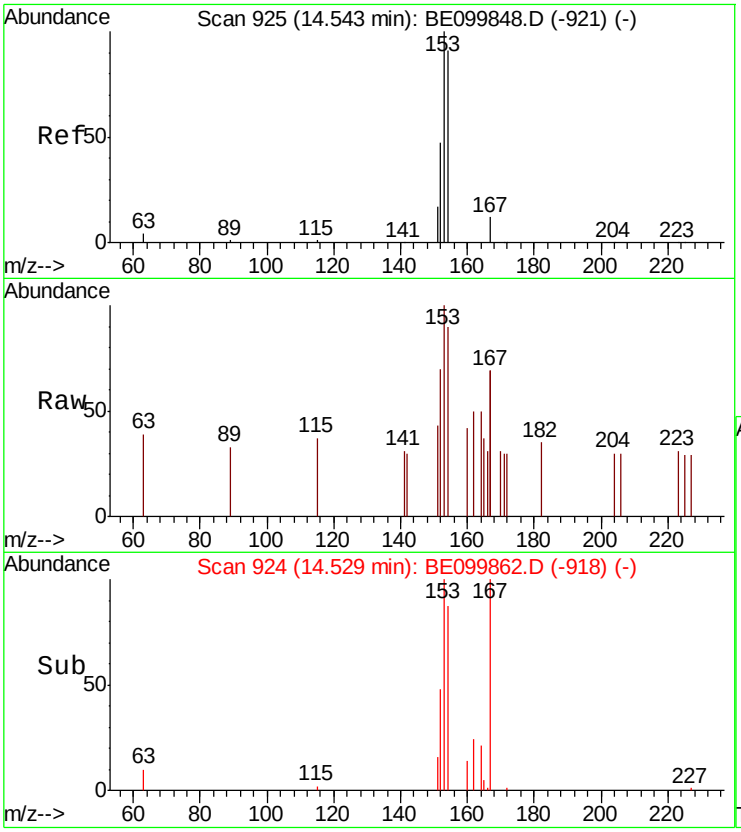


#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:152 Resp: 9

Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.9	23.9#
153	0.0	10.8	16.2#



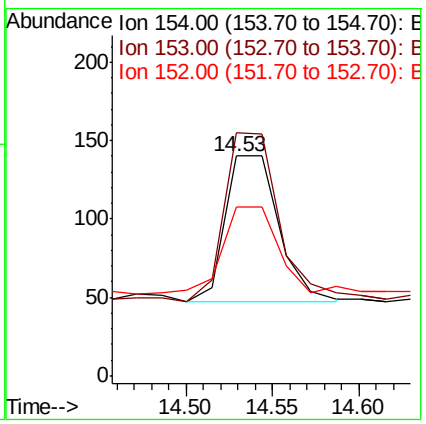


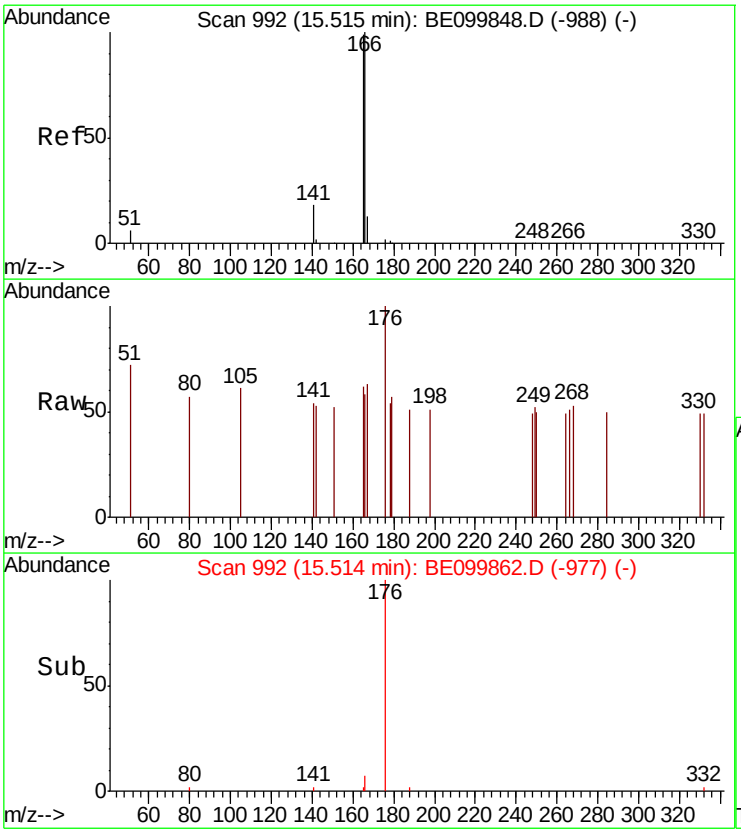
#17
Acenaphthene
Concen: 0.034 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:154 Resp: 202

Ion	Ratio	Lower	Upper
154	100		
153	109.4	93.8	140.6
152	61.9	48.3	72.5

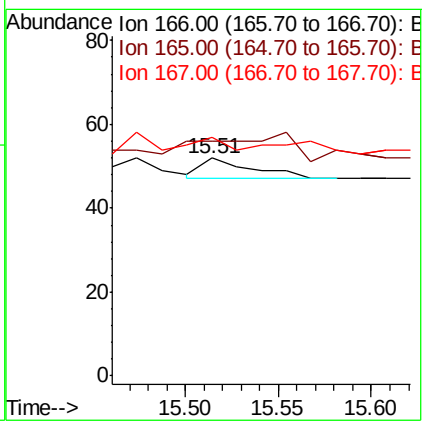


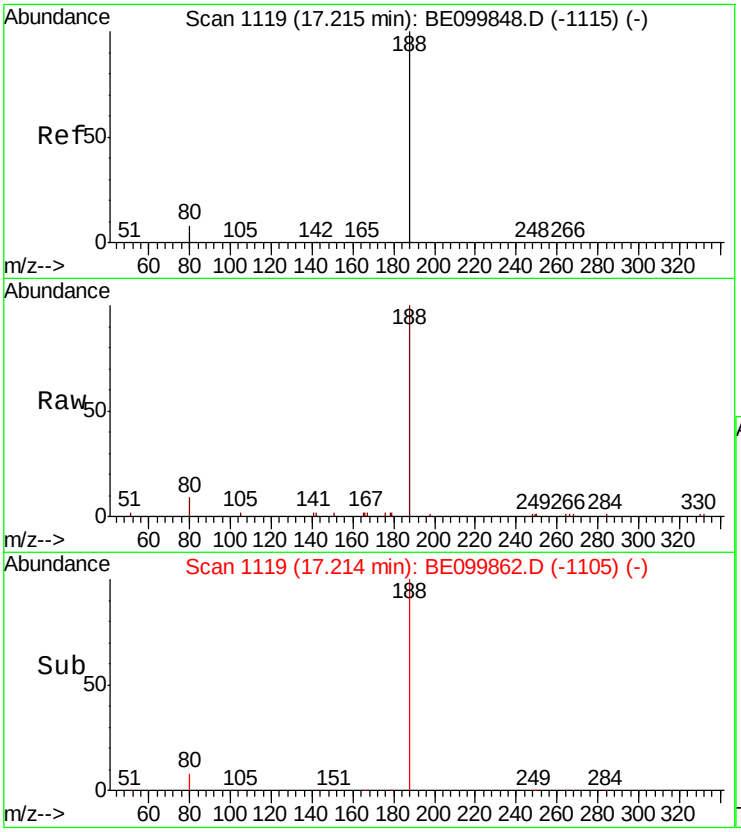


#18
Fluorene
Concen: 0.001 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:166 Resp: 10

Ion	Ratio	Lower	Upper
166	100		
165	0.0	80.4	120.6#
167	0.0	10.7	16.1#



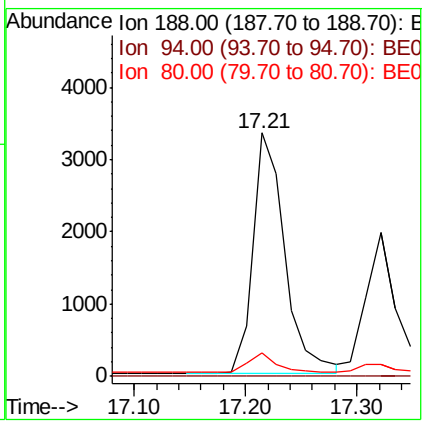


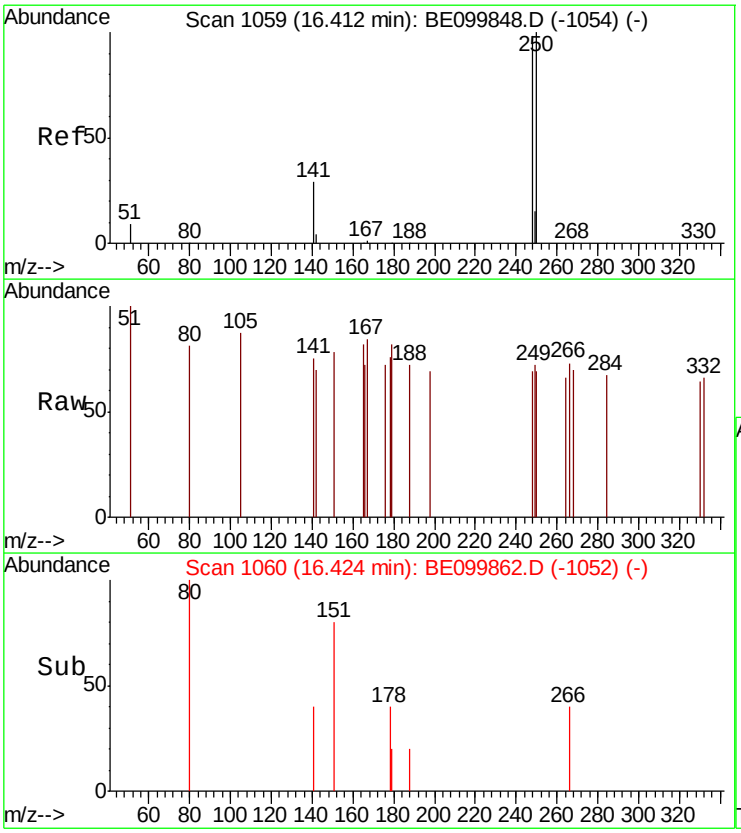
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:188 Resp: 6606

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	5.2	7.8#

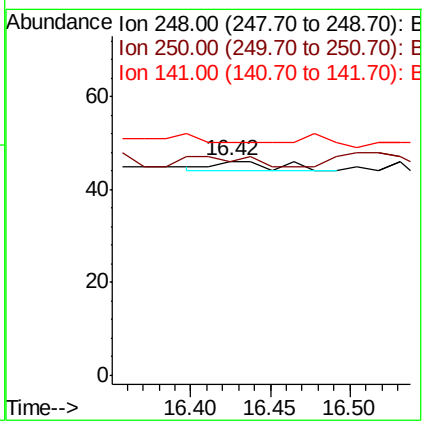


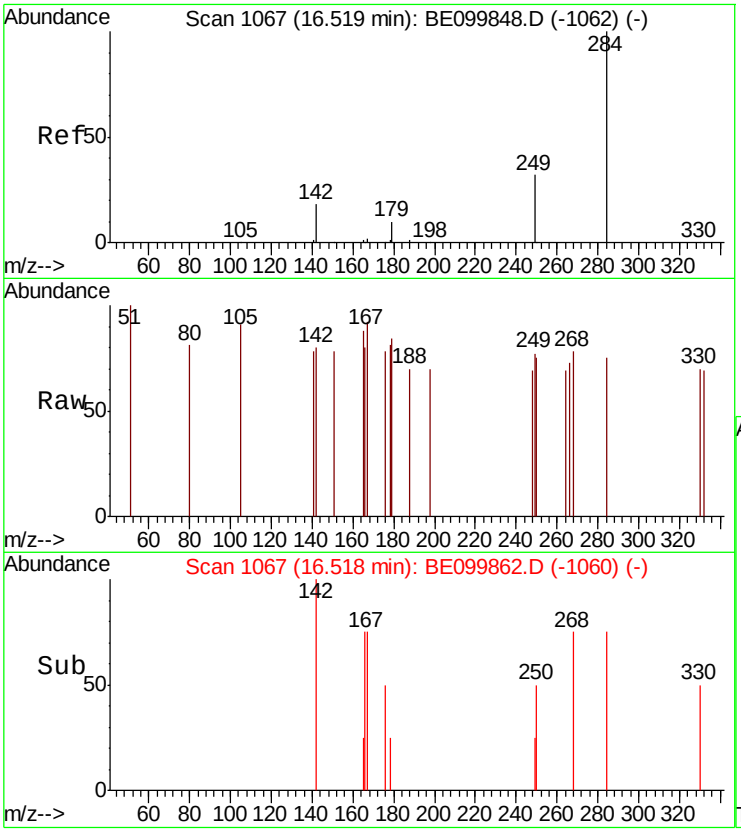


#20
4-Bromophenyl-phenylether
Concen: 0.002 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:248 Resp: 6

Ion	Ratio	Lower	Upper
248	100		
250	100.0	73.7	110.5
141	108.7	40.9	61.3#



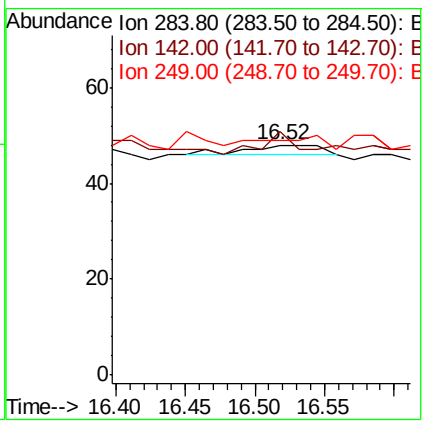


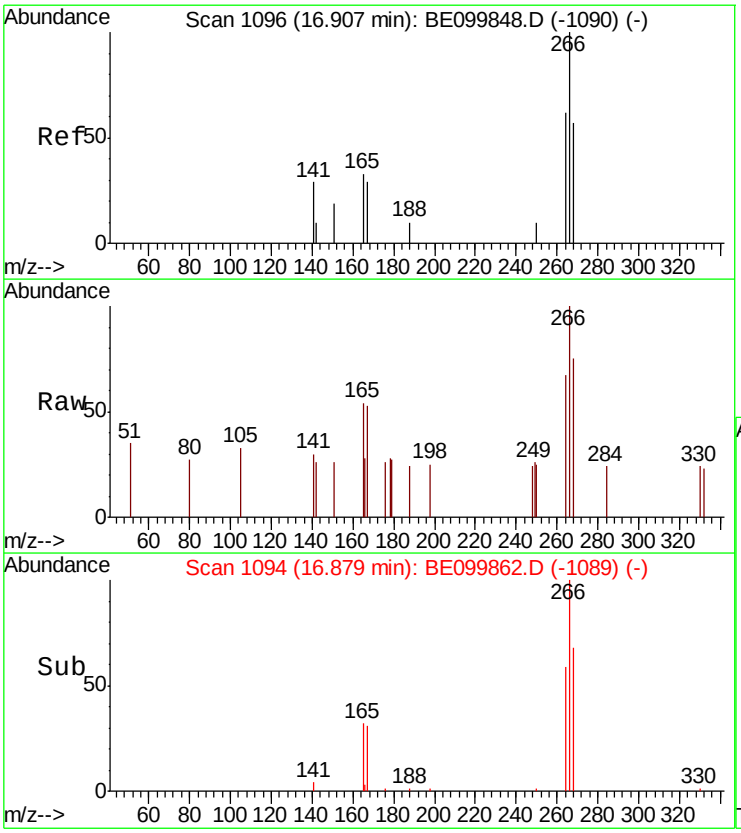
#21
Hexachlorobenzene
Concen: 0.002 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:284 Resp: 7

Ion	Ratio	Lower	Upper
284	100		
142	114.3	16.2	24.4#
249	0.0	23.1	34.7#

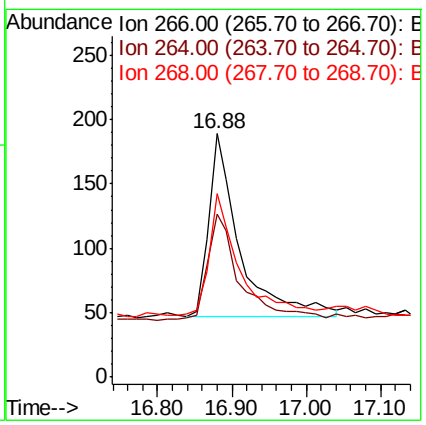


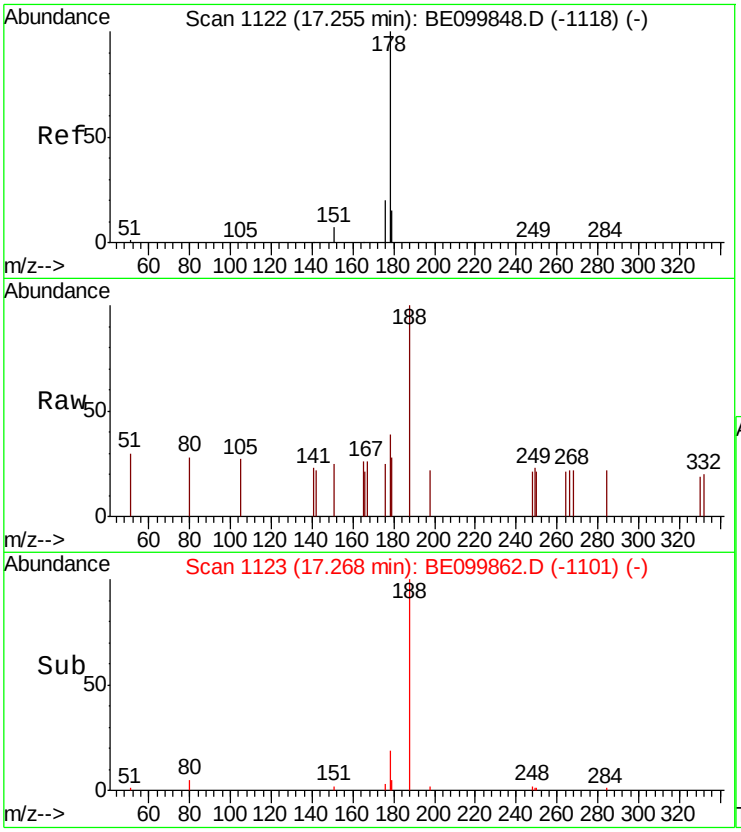


#22
Pentachlorophenol
Concen: 0.535 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.04 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:266 Resp: 414

Ion	Ratio	Lower	Upper
266	100		
264	67.2	64.9	97.3
268	75.1	64.0	96.0



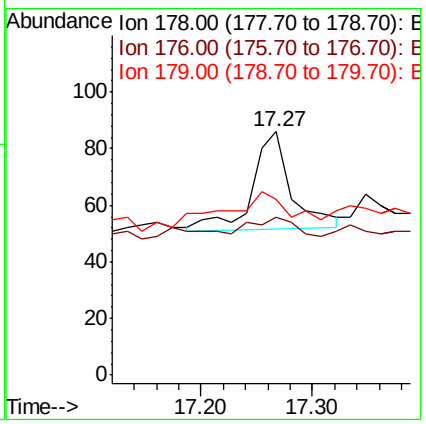


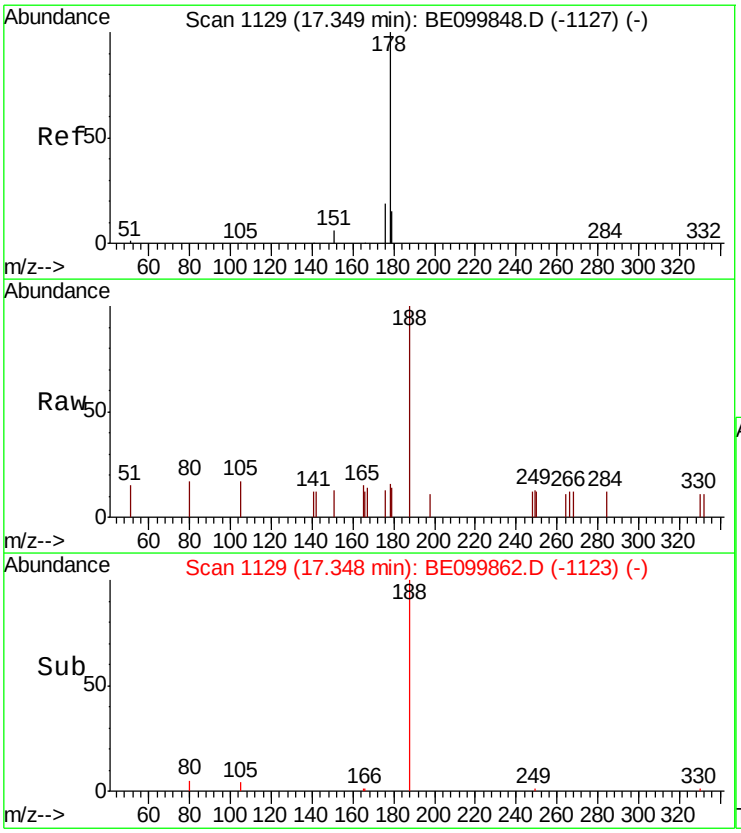
#23
Phenanthrene
Concen: 0.005 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:178 Resp: 85

Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.4	23.0
179	74.1	12.5	18.7#

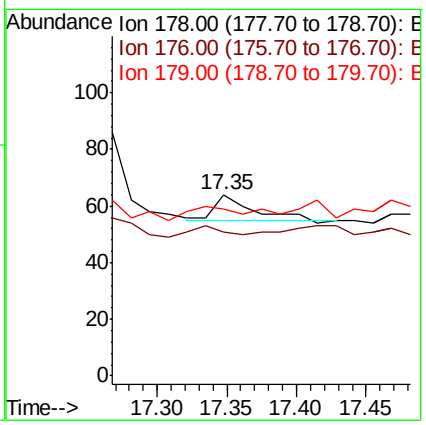


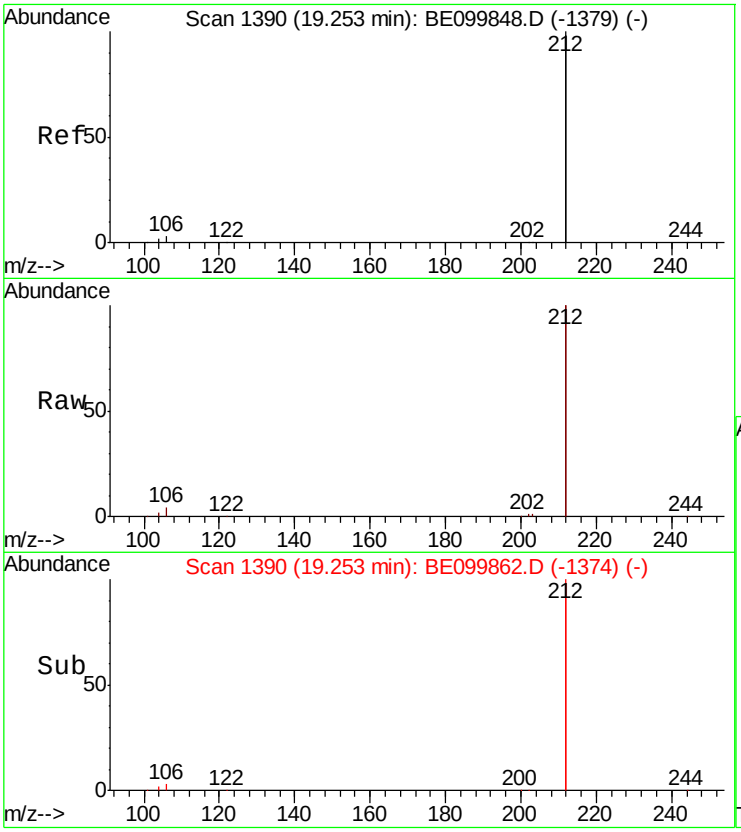


#24
Anthracene
Concen: 0.001 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:178 Resp: 16

Ion	Ratio	Lower	Upper
178	100		
176	43.8	15.1	22.7#
179	68.8	12.1	18.1#



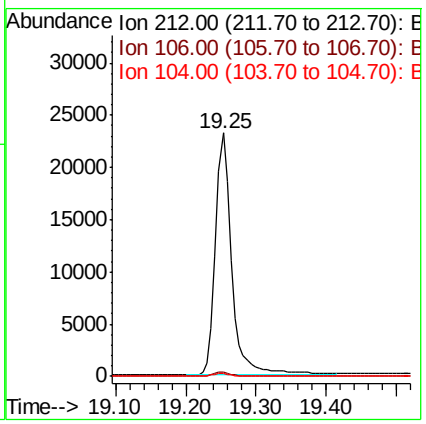


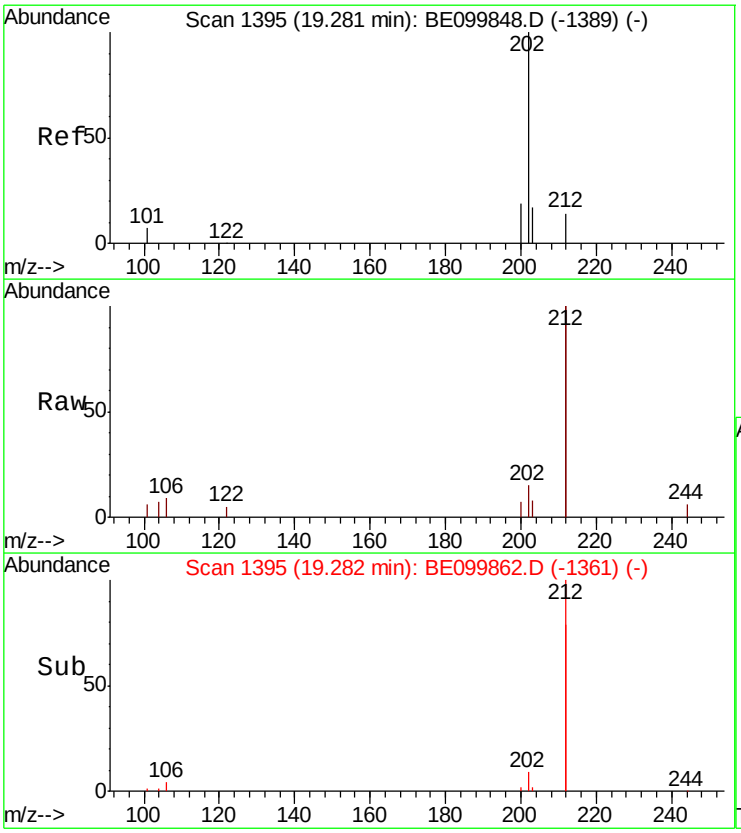
#25
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:212 Resp: 36659

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.0
104	1.0	0.8	1.2

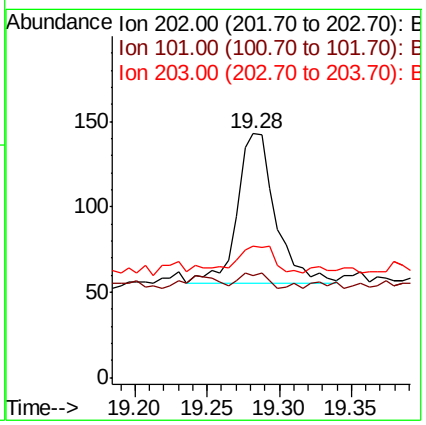


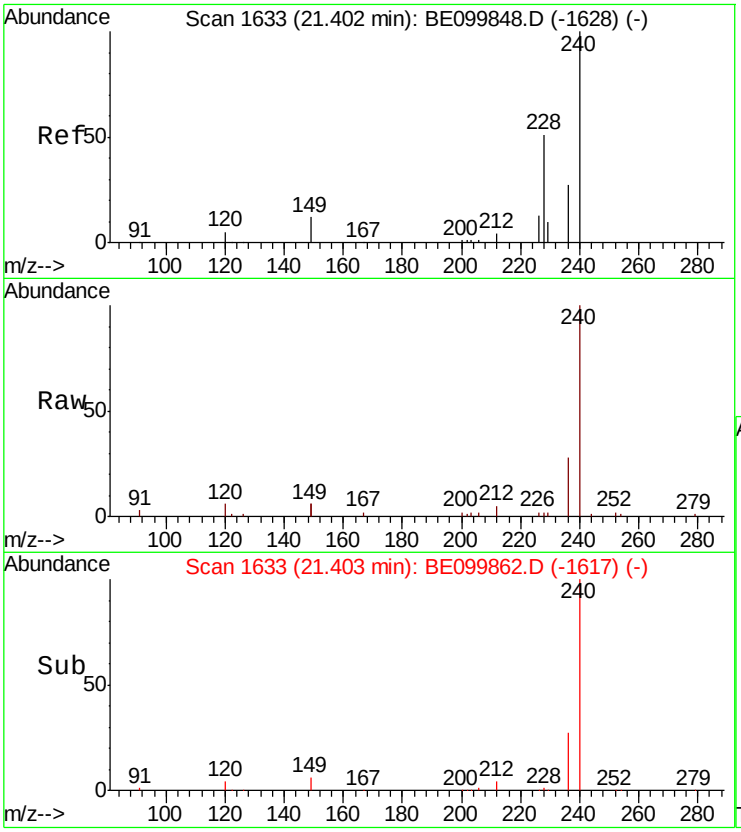


#26
Fluoranthene
Concen: 0.006 ng
RT: 19.28 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:202 Resp: 164

Ion	Ratio	Lower	Upper
202	100		
101	7.3	5.2	7.8
203	18.9	13.6	20.4



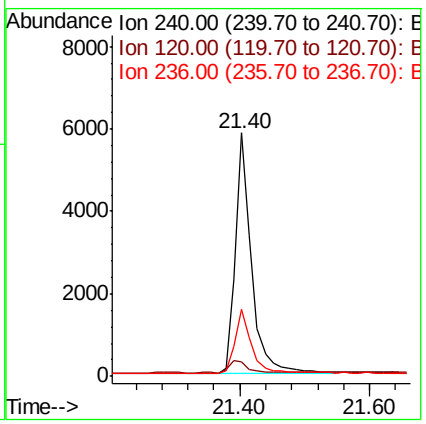


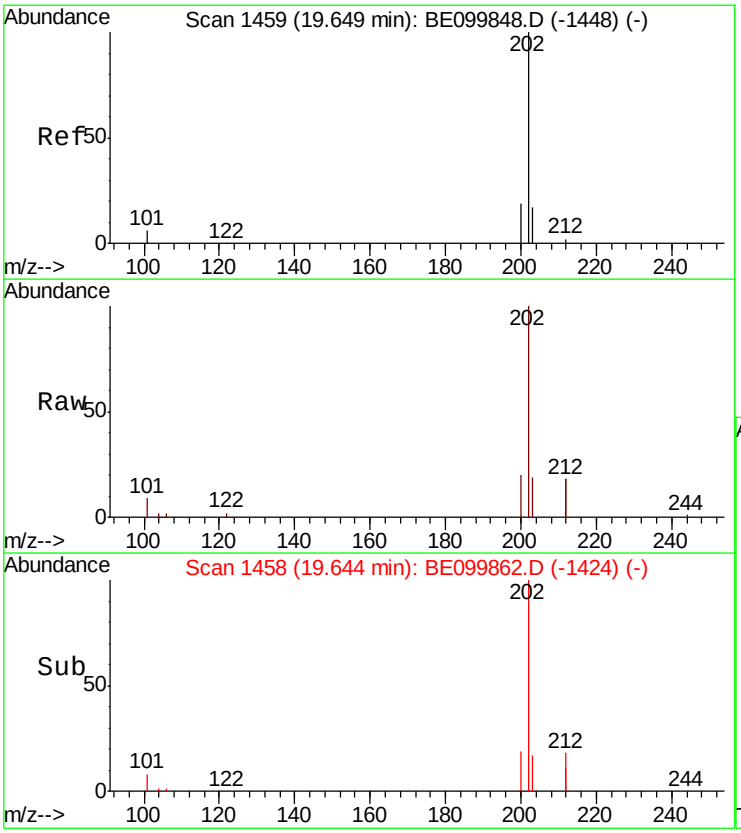
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:240 Resp: 10255

Ion	Ratio	Lower	Upper
240	100		
120	5.8	2.8	4.2#
236	27.8	20.9	31.3

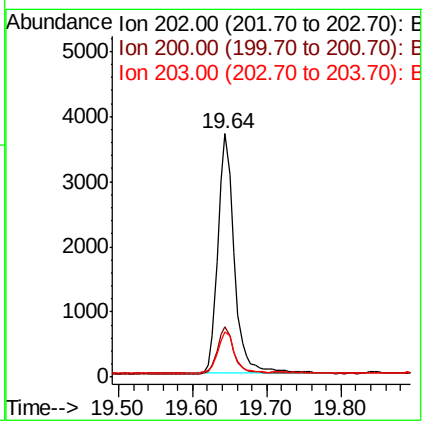


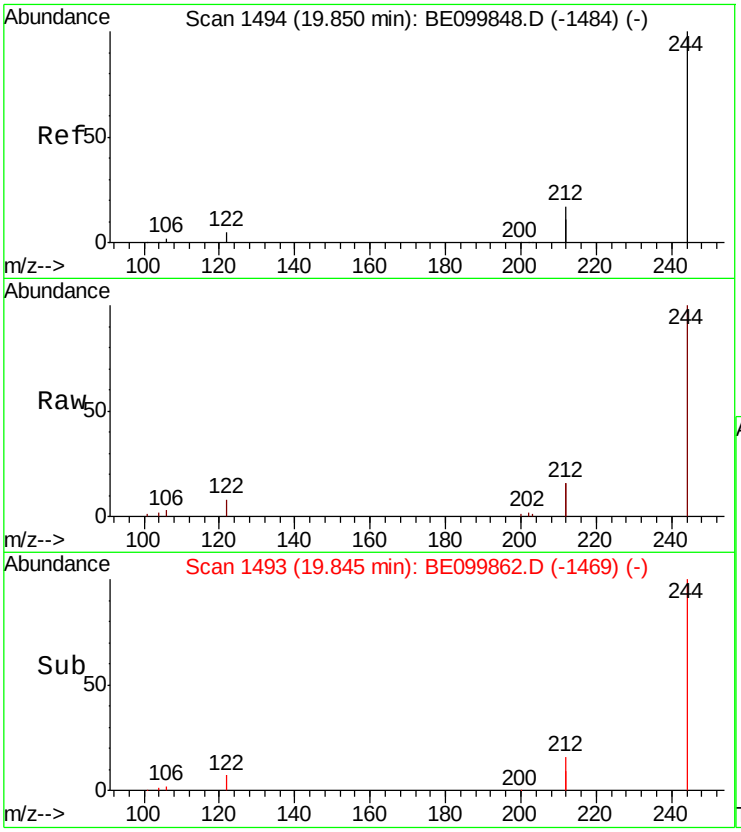


#28
Pyrene
Concen: 0.210 ng
RT: 19.64 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:202 Resp: 5708

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.6	23.4
203	17.6	14.1	21.1



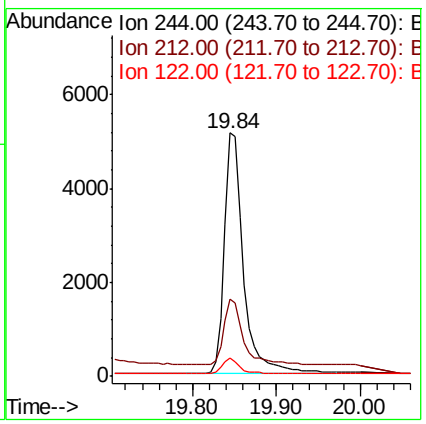


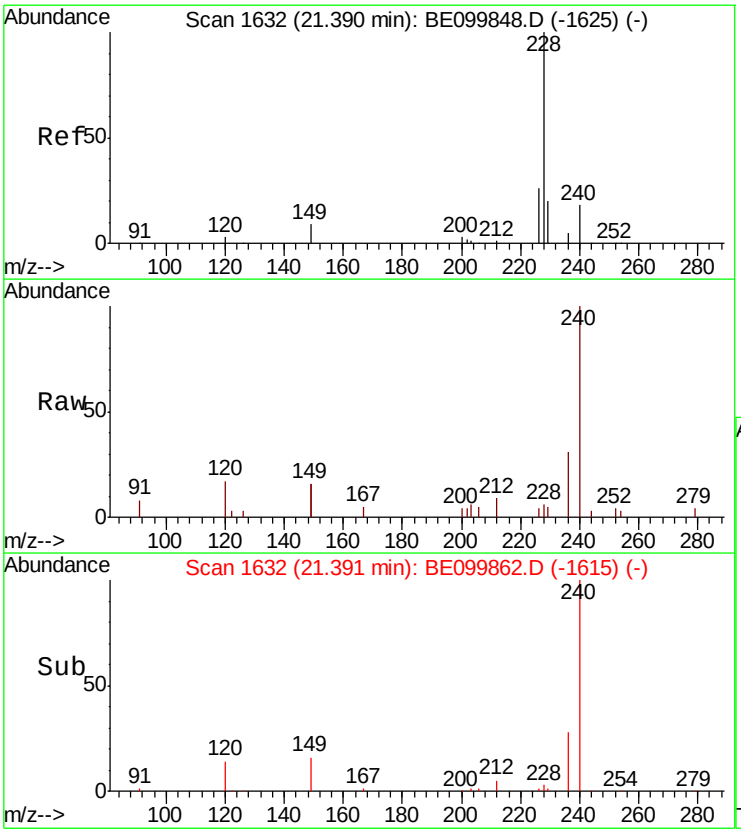
#29
Terphenyl-d14
Concen: 0.429 ng
RT: 19.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:244 Resp: 8194

Ion	Ratio	Lower	Upper
244	100		
212	31.7	23.7	35.5
122	7.7	4.8	7.2#

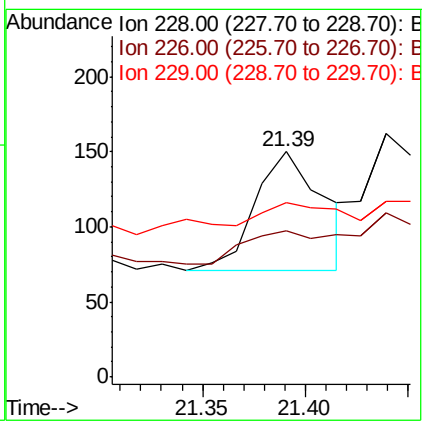


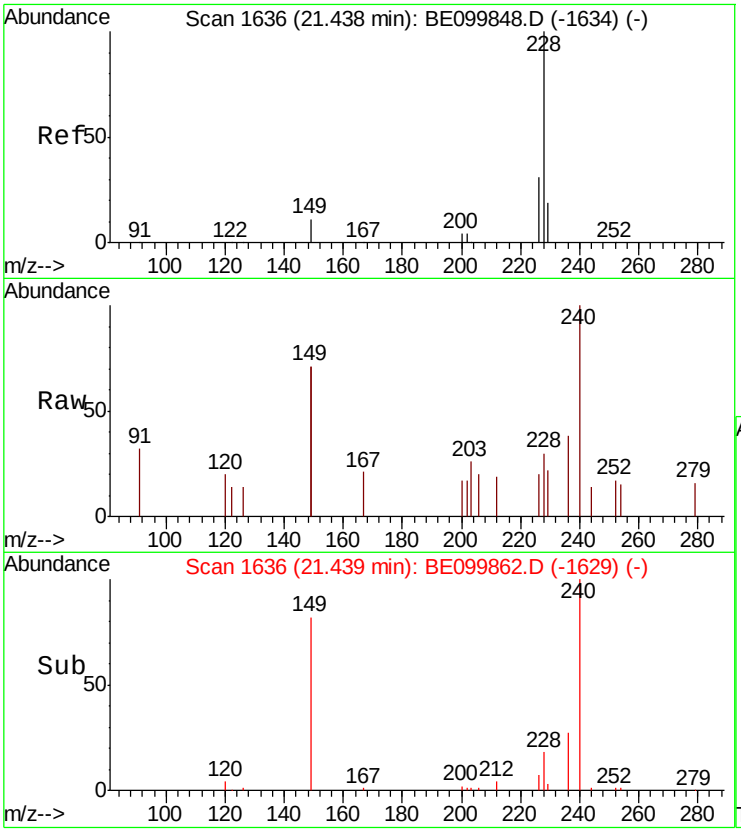


#30
Benzo(a)anthracene
Concen: 0.006 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:228 Resp: 184

Ion	Ratio	Lower	Upper
228	100		
226	64.7	21.6	32.4#
229	77.3	15.8	23.6#



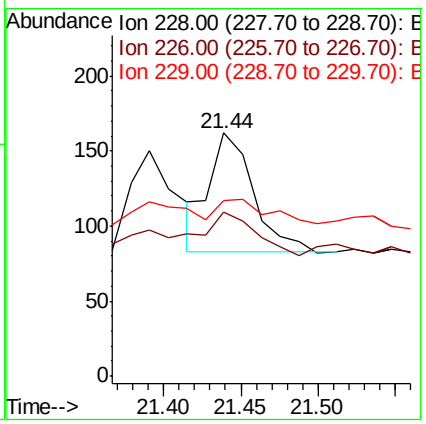


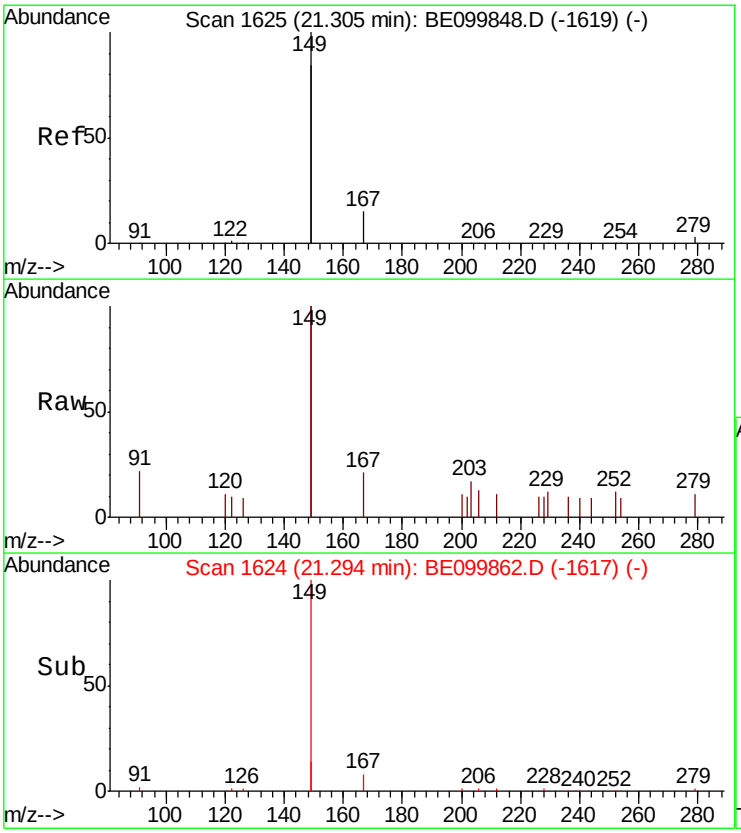
#31
Chrysene
Concen: 0.005 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:228 Resp: 155

Ion	Ratio	Lower	Upper
228	100		
226	67.3	22.9	34.3#
229	72.2	16.4	24.6#

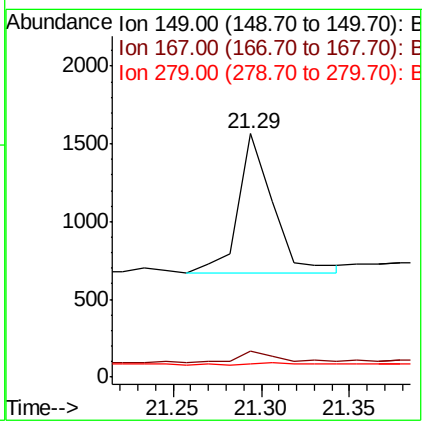


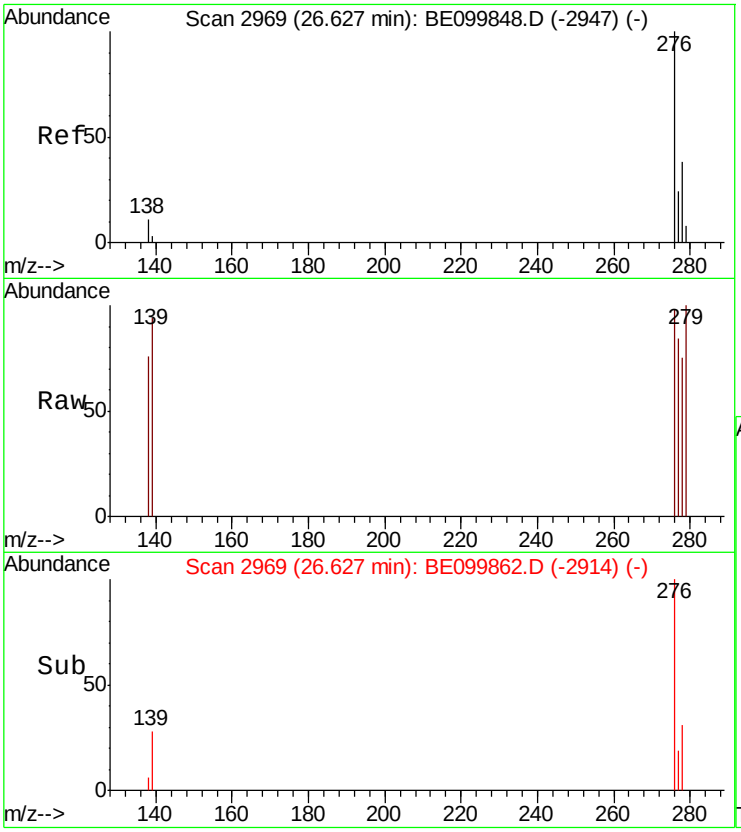


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.023 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:149 Resp: 1231

Ion	Ratio	Lower	Upper
149	100		
167	11.3	6.0	9.0#
279	2.3	1.2	1.8#



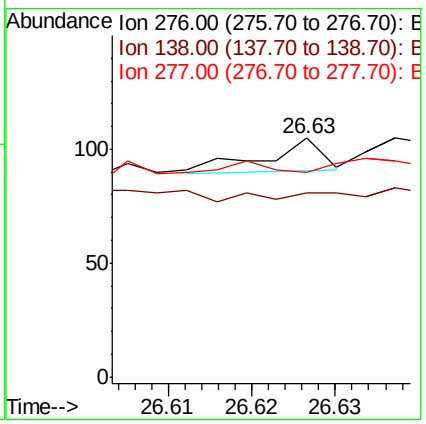


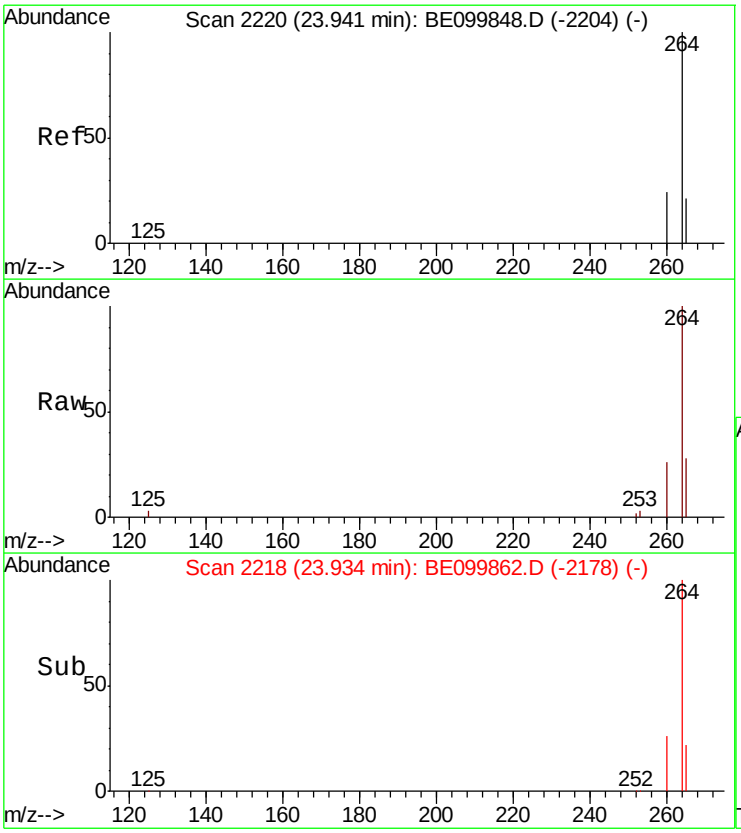
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.000 ng
RT: 26.63 min Scan# 2969
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:276 Resp: 7

Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.3	15.5#
277	85.7	19.4	29.2#

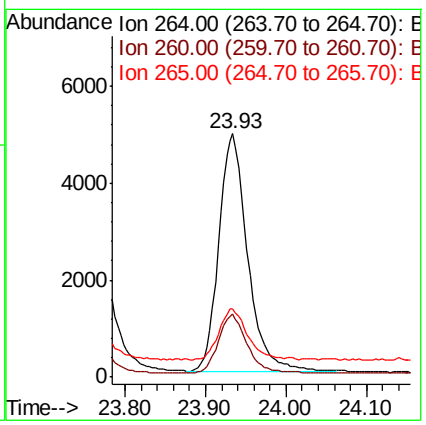


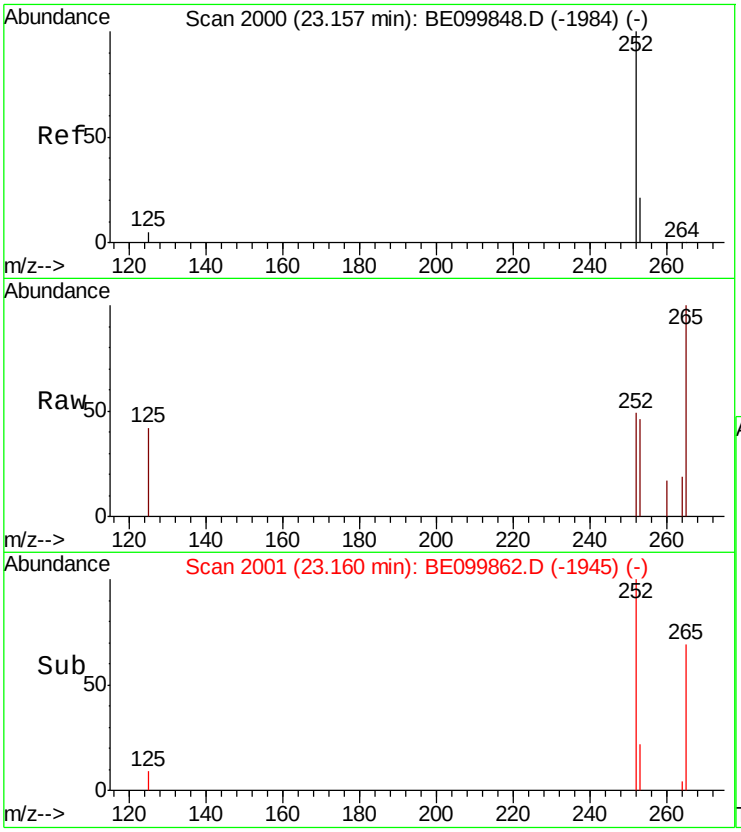


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:264 Resp: 12060

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.0	30.0
265	28.2	20.7	31.1



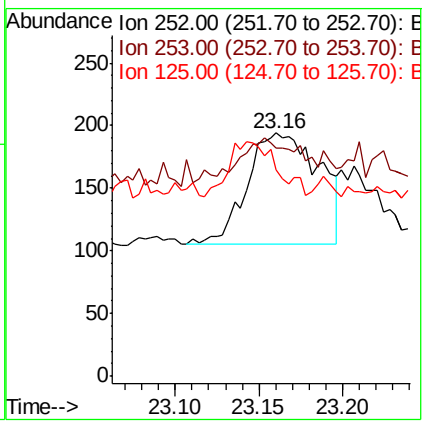


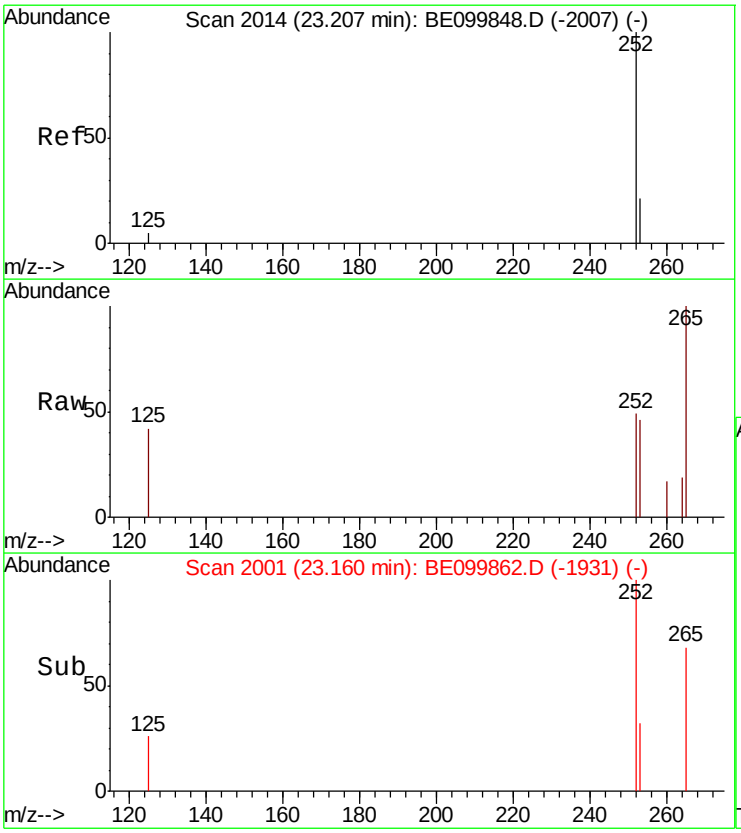
#35
Benzo(b)fluoranthene
Concen: 0.008 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:252 Resp: 269

Ion	Ratio	Lower	Upper
252	100		
253	93.8	18.9	28.3#
125	85.1	7.6	11.4#

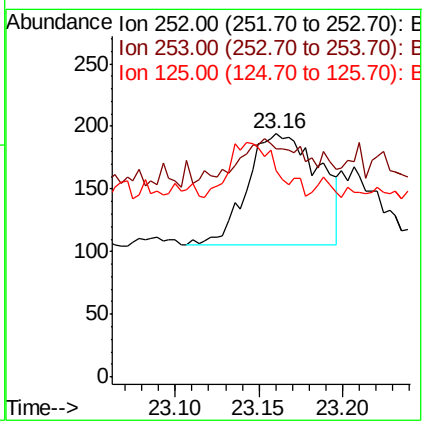


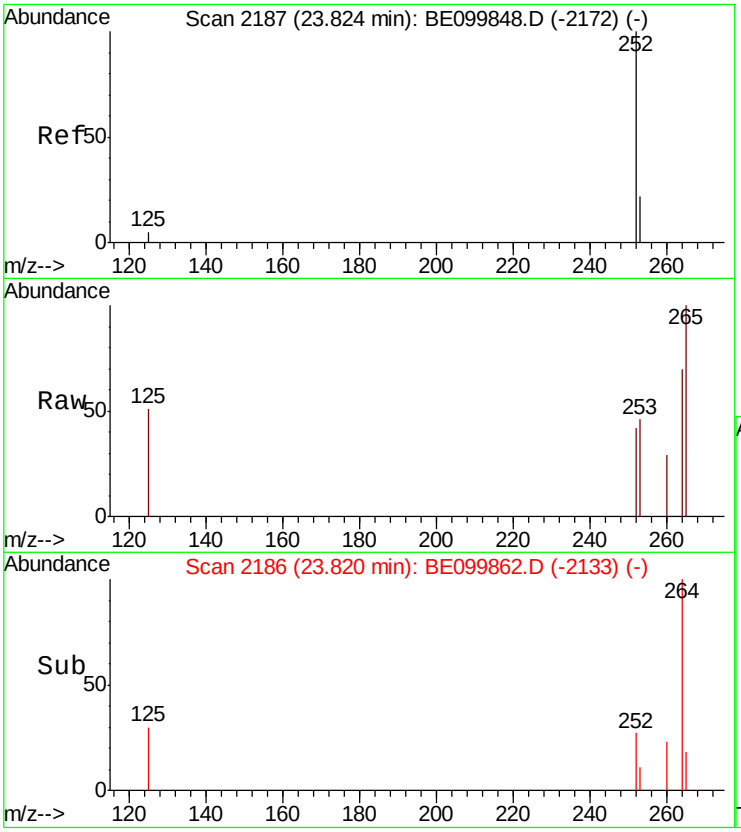


#36
Benzo(k)fluoranthene
Concen: 0.008 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.05 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:252 Resp: 269

Ion	Ratio	Lower	Upper
252	100		
253	93.8	18.4	27.6#
125	85.1	4.6	7.0#



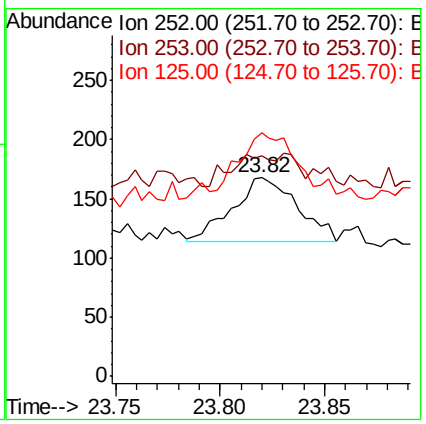


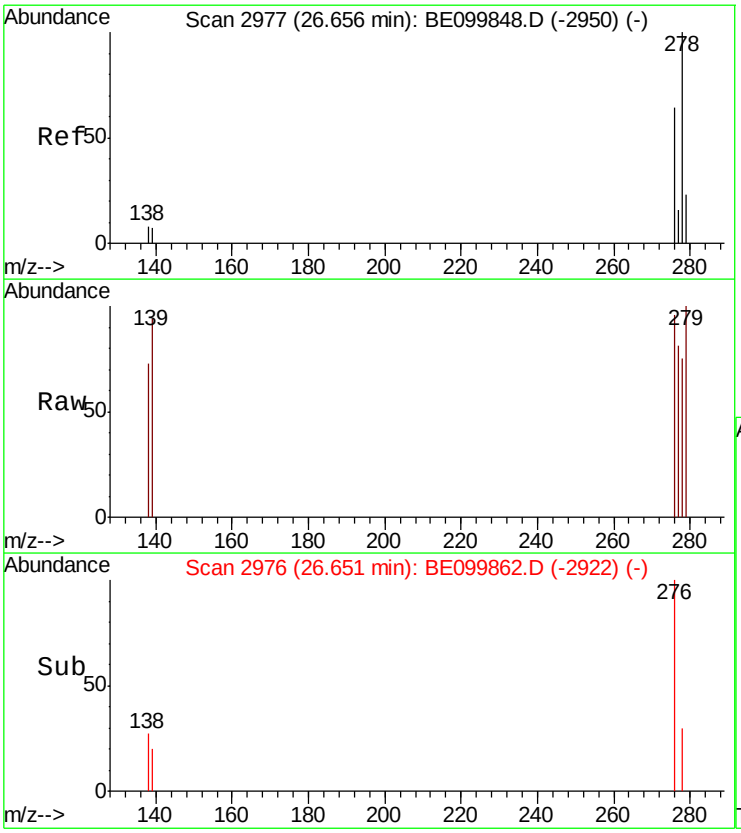
#37
Benzo(a)pyrene
Concen: 0.004 ng
RT: 23.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:252 Resp: 116

Ion	Ratio	Lower	Upper
252	100		
253	110.7	19.3	28.9#
125	122.6	10.2	15.4#

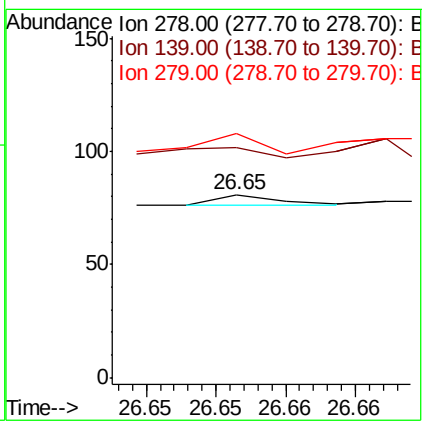


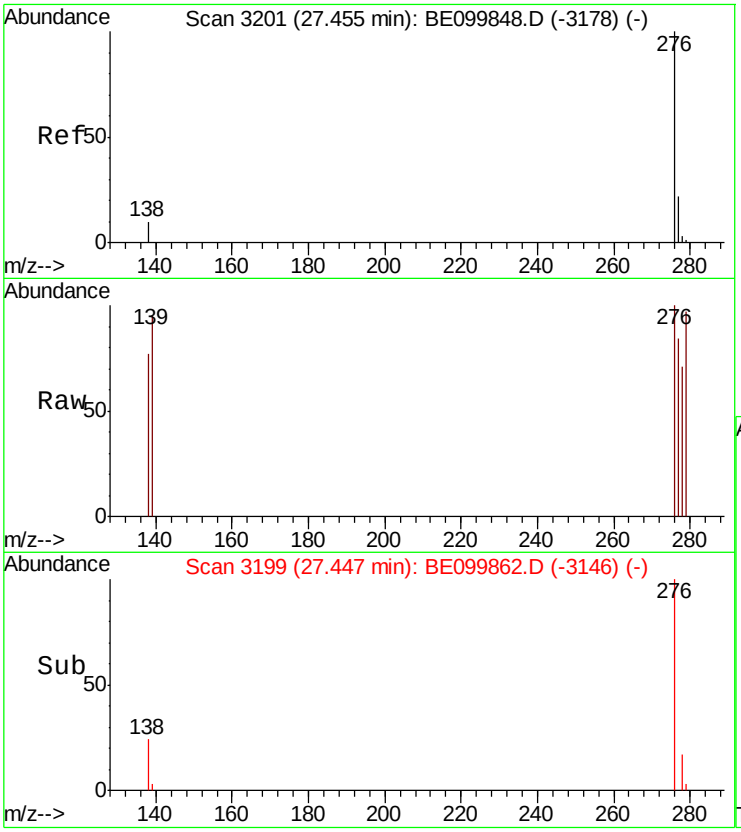


#38
Dibenzo(a,h)anthracene
Concen: 0.000 ng
RT: 26.65 min Scan# 2976
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Tgt Ion:278 Resp: 2

Ion	Ratio	Lower	Upper
278	100		
139	125.9	7.9	11.9#
279	133.3	18.5	27.7#





#39
Benzo(g,h,i)perylene
Concen: 0.001 ng
RT: 27.45 min Scan# 3199
Delta R.T. -0.01 min
Lab File: BE099862.D
Acq: 7 Jun 2019 20:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20190605

Tgt Ion:276 Resp: 30

Ion	Ratio	Lower	Upper
276	100		
277	83.7	19.6	29.4#
138	76.9	9.0	13.4#