Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
Data File : BE099715.D
Acq On : 22 May 2019 12:08
Operator : JU/SJ
Sample : PB119960BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB119960BS

Quant Time: May 23 07:57:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1654	0.40	ng		0.01
7) Naphthalene-d8	10.63	136	5723	0.40	ng		0.01
13) Acenaphthene-d10	14.50	164	3850	0.40	ng		0.01
19) Phenanthrene-d10	17.24	188	11708	0.40	ng		0.01
27) Chrysene-d12	21.43	240	16176	0.40	ng		0.01
34) Perylene-d12	23.97	264	18109	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1809	0.43	ng		0.01
5) Phenol-d6	6.99	99	2295	0.41	ng		0.01
8) Nitrobenzene-d5	8.99	82	2077	0.42	ng		0.01
11) 2-Methylnaphthalene-d10	12.24	152	5288	0.54	ng		0.01
14) 2,4,6-Tribromophenol	15.98	330	857	0.42	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	5962	0.41	ng		0.01
25) Fluoranthene-d10	19.27	212	62946	0.39	ng		0.00
29) Terphenyl-d14	19.87	244	13399	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	741	0.303	ng	#	42
3) n-Nitrosodimethylamine	3.62	42	502	0.371	ng	#	84
6) bis(2-Chloroethyl)ether	7.25	93	1927	0.392	ng		95
9) Naphthalene	10.68	128	25176	0.411	ng		100
10) Hexachlorobutadiene	10.96	225	1833	0.407	ng		97
12) 2-Methylnaphthalene	12.31	142	4252	0.426	ng		97
16) Acenaphthylene	14.21	152	7279	0.406	ng		99
17) Acenaphthene	14.56	154	4167	0.414	ng		99
18) Fluorene	15.53	166	5925	0.399	ng		100
20) 4-Bromophenyl-phenylether	16.43	248	2632	0.390	ng	#	87
21) Hexachlorobenzene	16.55	284	2860	0.414	ng		98
22) Pentachlorophenol	16.91	266	1431	0.817	ng		91
23) Phenanthrene	17.28	178	11736	0.410	ng		100
24) Anthracene	17.38	178	11002	0.424	ng		100
26) Fluoranthene	19.30	202	18328	0.405	ng		100
28) Pyrene	19.66	202	18794	0.462	ng		99
30) Benzo(a)anthracene	21.40	228	23213	0.505	ng		99
31) Chrysene	21.46	228	21670	0.441	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	26889	0.508	ng		100
33) Indeno(1,2,3-cd)pyrene	26.66	276	26280	0.443	ng	#	93
35) Benzo(b)fluoranthene	23.18	252	21540	0.434	ng		99
36) Benzo(k)fluoranthene	23.23	252	23253	0.450	ng		99
37) Benzo(a)pyrene	23.85	252	21656	0.454	ng		97
38) Dibenzo(a,h)anthracene	26.69	278	21916	0.437	ng		99
39) Benzo(g,h,i)perylene	27.49	276	22443	0.443	ng		99

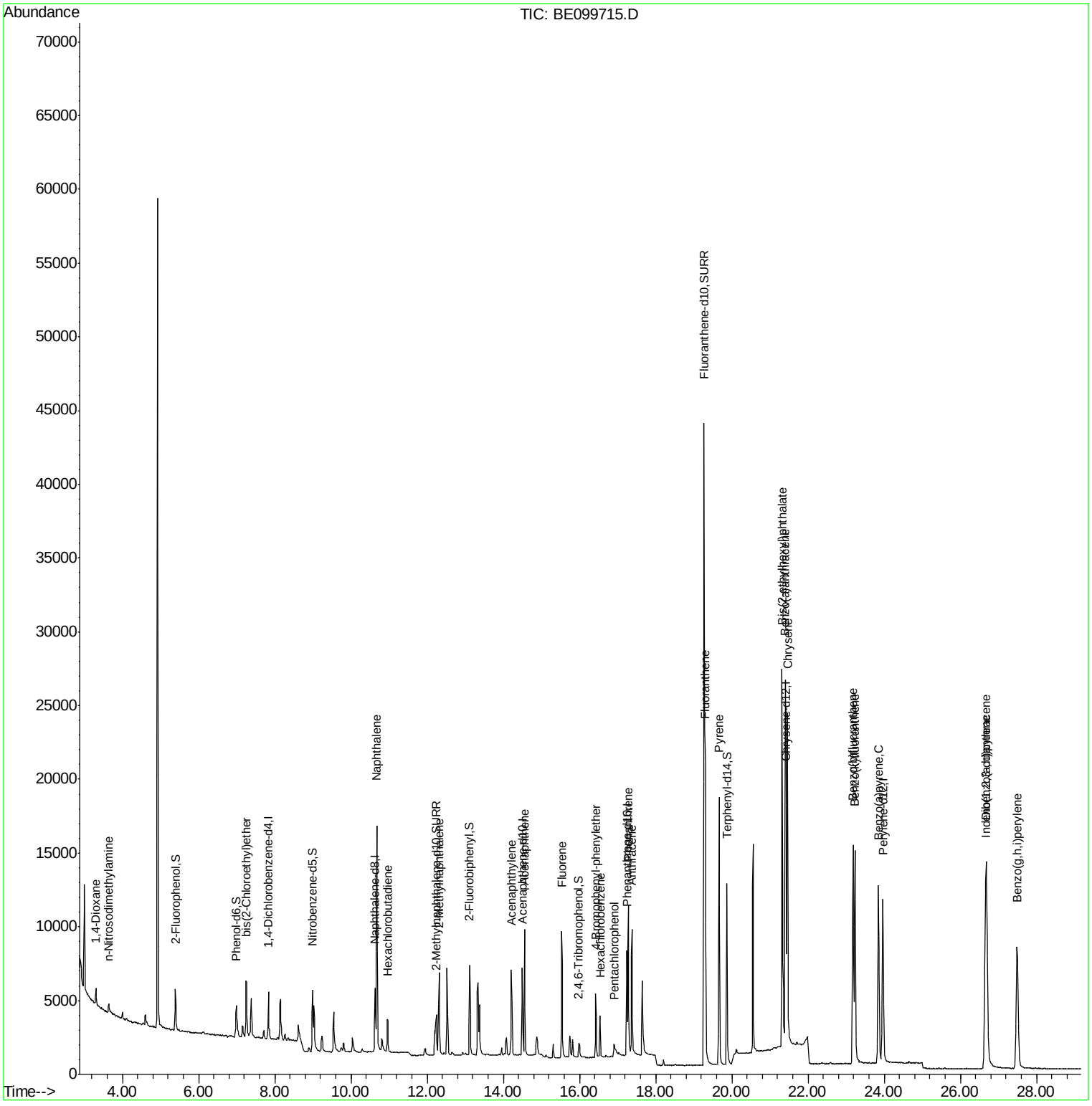
(#) = qualifier out of range (m) = manual integration (+) = signals summed

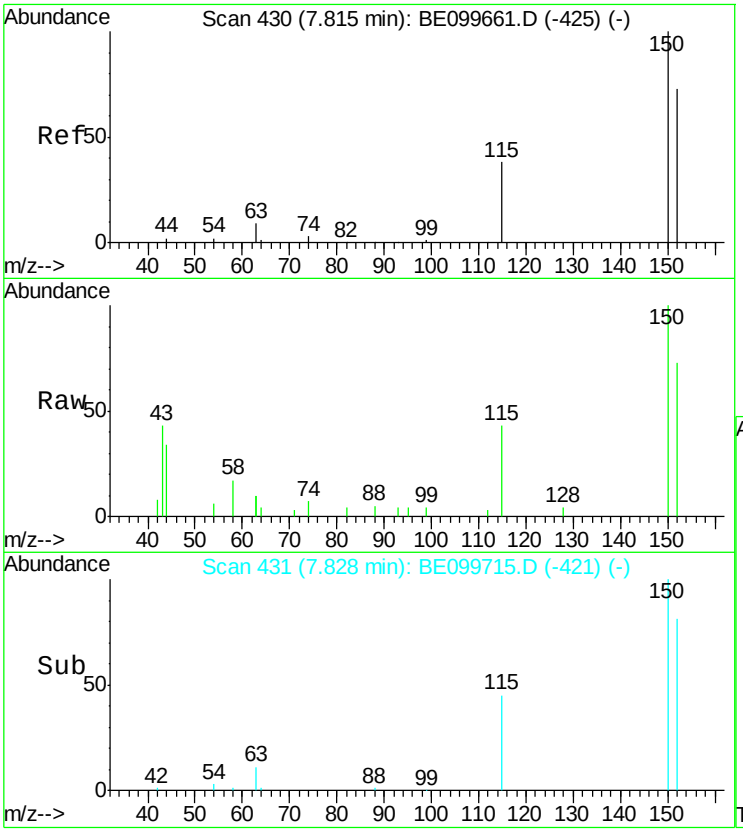
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
Data File : BE099715.D
Acq On : 22 May 2019 12:08
Operator : JU/SJ
Sample : PB119960BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Quant Time: May 23 07:57:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration



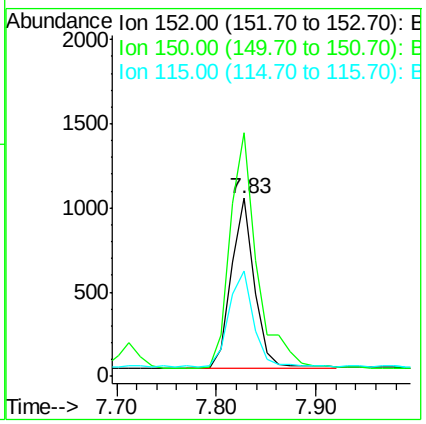


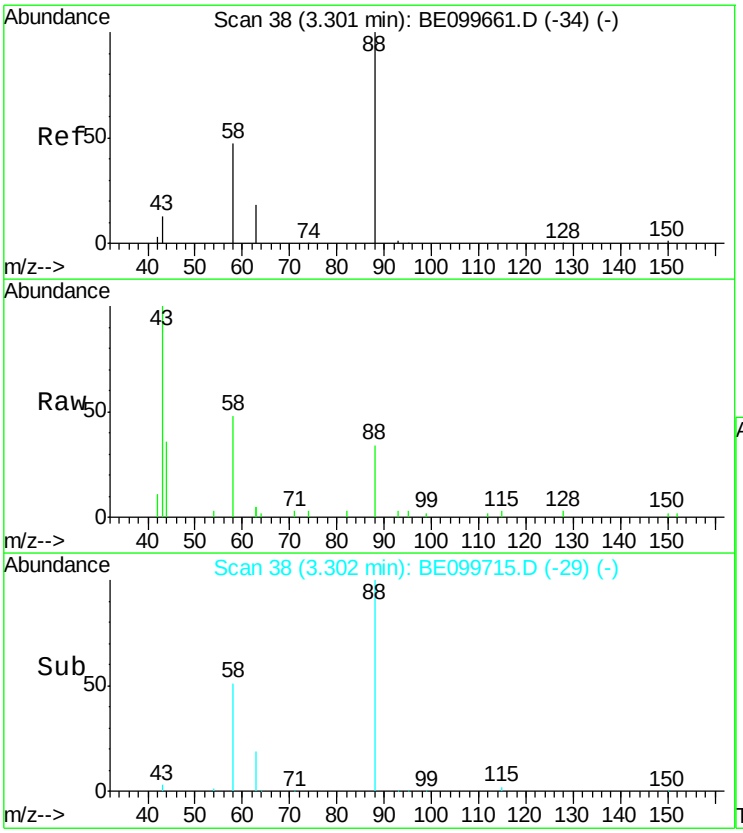
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:152 Resp: 1654

Ion	Ratio	Lower	Upper
152	100		
150	136.9	109.2	163.8
115	59.5	43.7	65.5

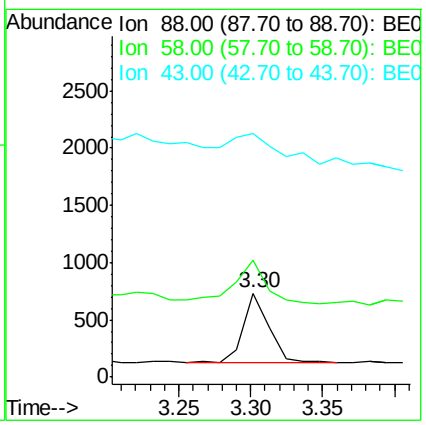


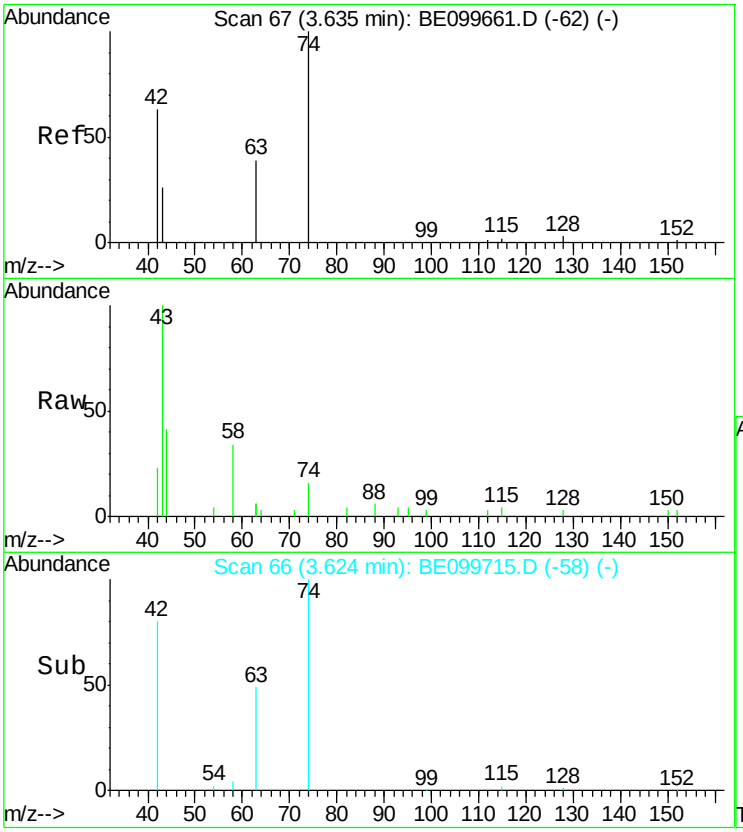


#2
1,4-Dioxane
Concen: 0.303 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion: 88 Resp: 741

Ion	Ratio	Lower	Upper
88	100		
58	77.1	41.8	62.8#
43	73.5	15.0	22.4#



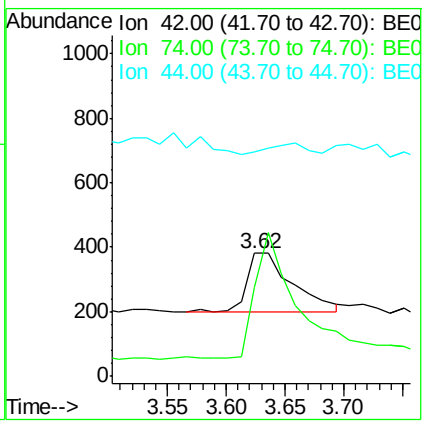


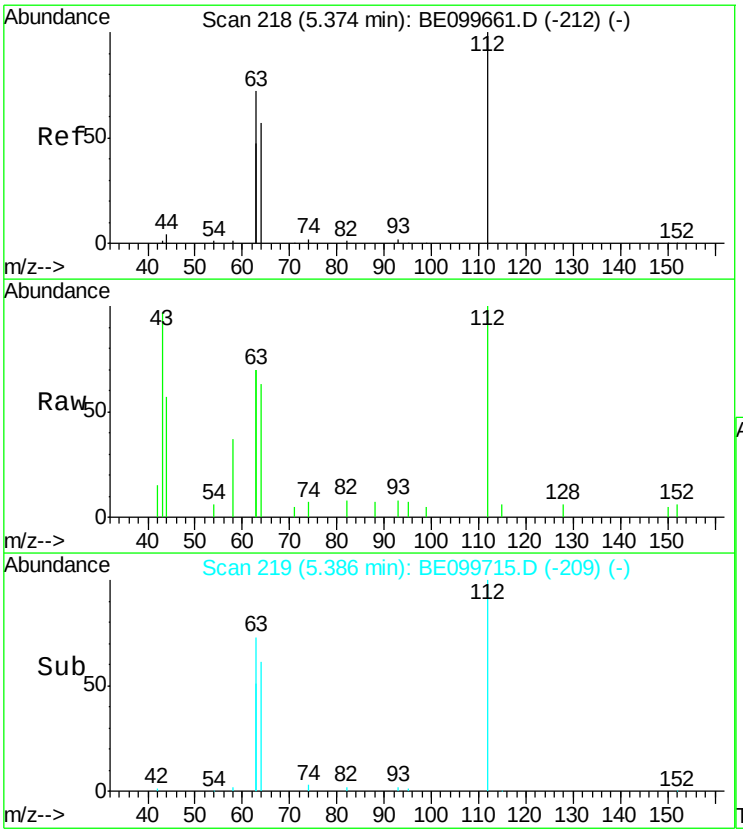
#3
n-Nitrosodimethylamine
Concen: 0.371 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion: 42 Resp: 502

Ion	Ratio	Lower	Upper
42	100		
74	182.9	129.2	193.8
44	0.0	0.0	0.0

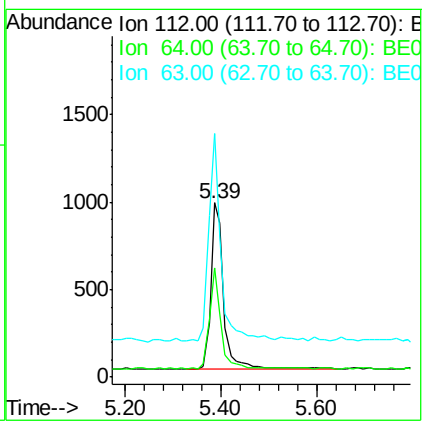


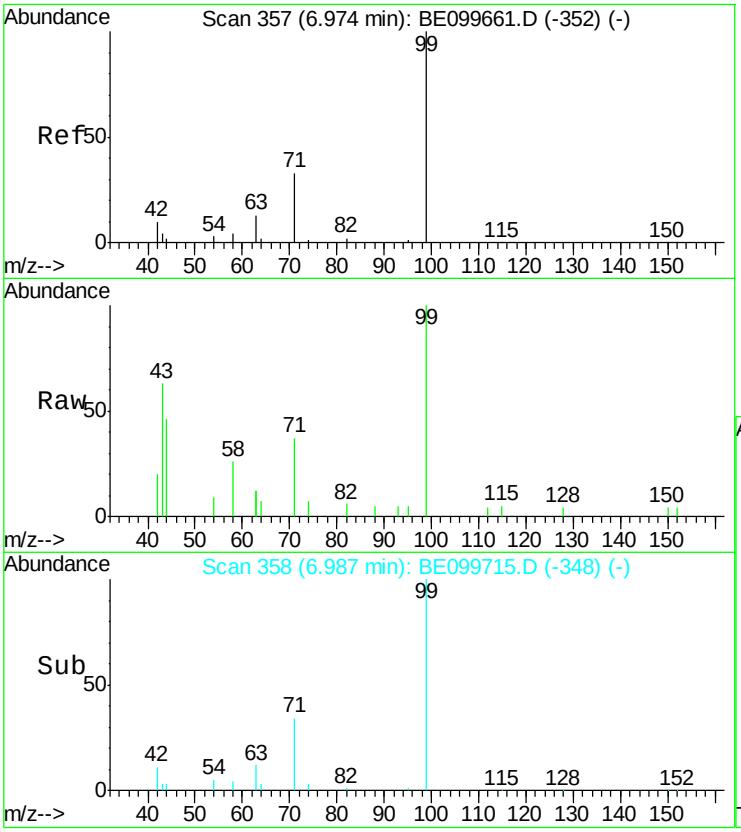


#4
2-Fluorophenol
Concen: 0.433 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:112 Resp: 1809

Ion	Ratio	Lower	Upper
112	100		
64	54.6	43.4	65.2
63	115.6	96.9	145.3



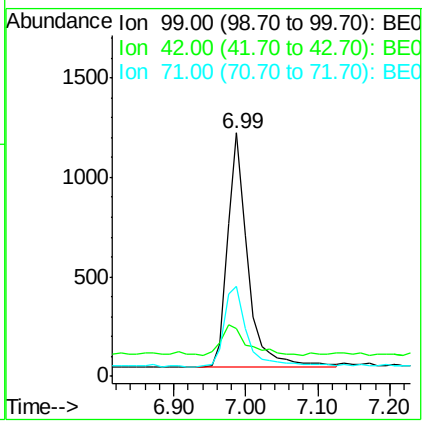


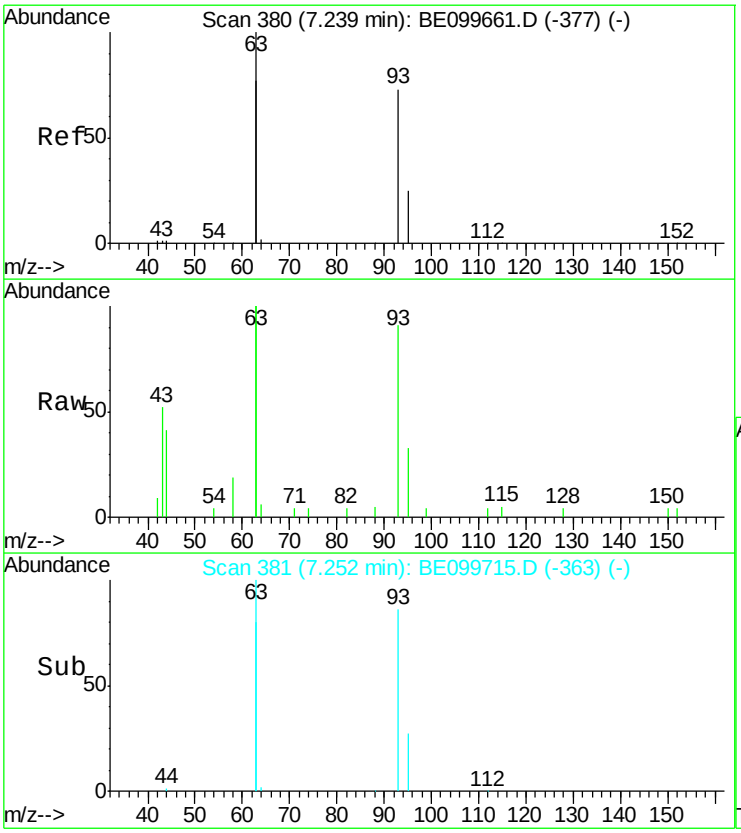
#5
Phenol-d6
Concen: 0.415 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion: 99 Resp: 2295

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.2	18.2
71	39.0	28.9	43.3

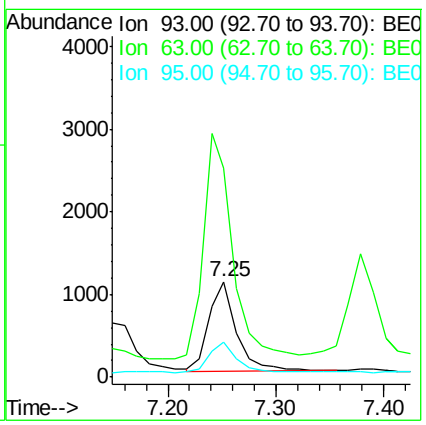


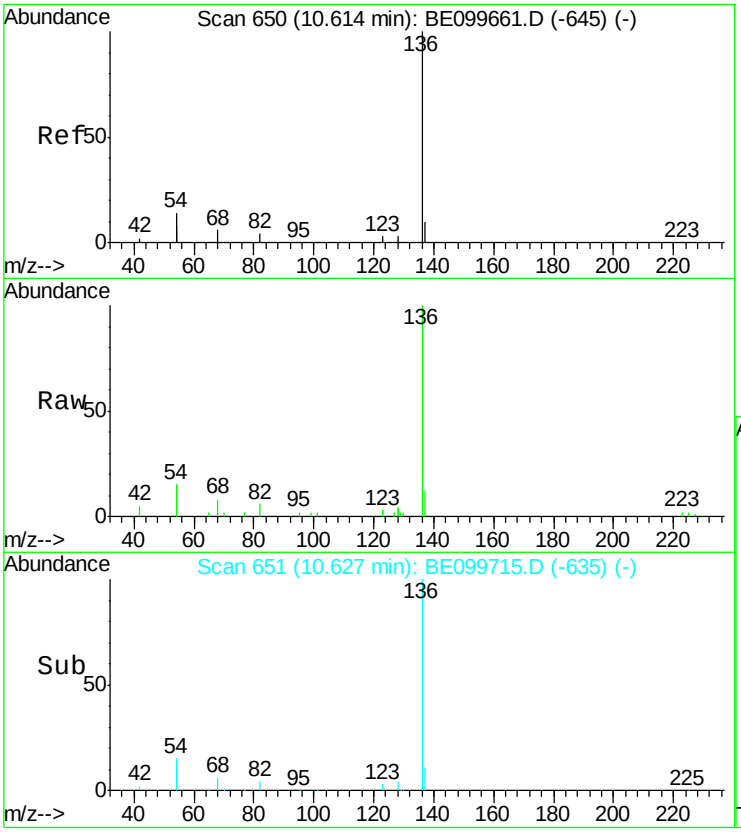


#6
bis(2-Chloroethyl)ether
Concen: 0.392 ng
RT: 7.25 min Scan# 381
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion: 93 Resp: 1927

Ion	Ratio	Lower	Upper
93	100		
63	268.7	207.8	311.6
95	33.9	25.9	38.9



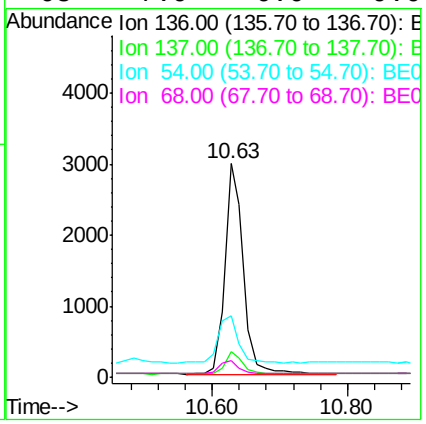


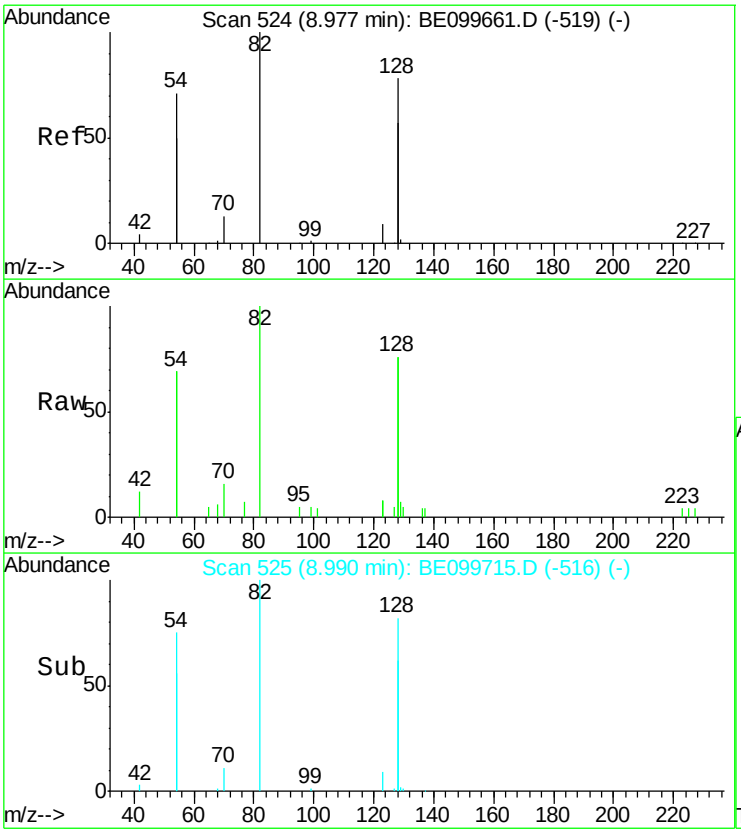
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:136 Resp: 5723

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.0	13.6
54	29.1	22.3	33.5
68	7.9	6.0	9.0

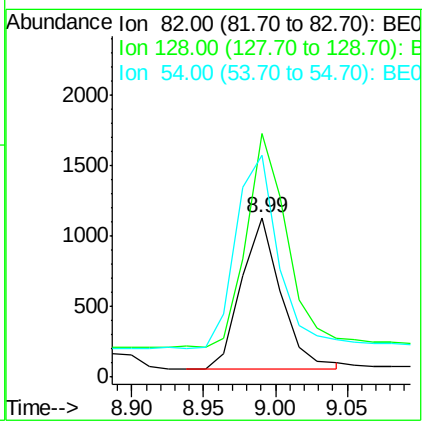


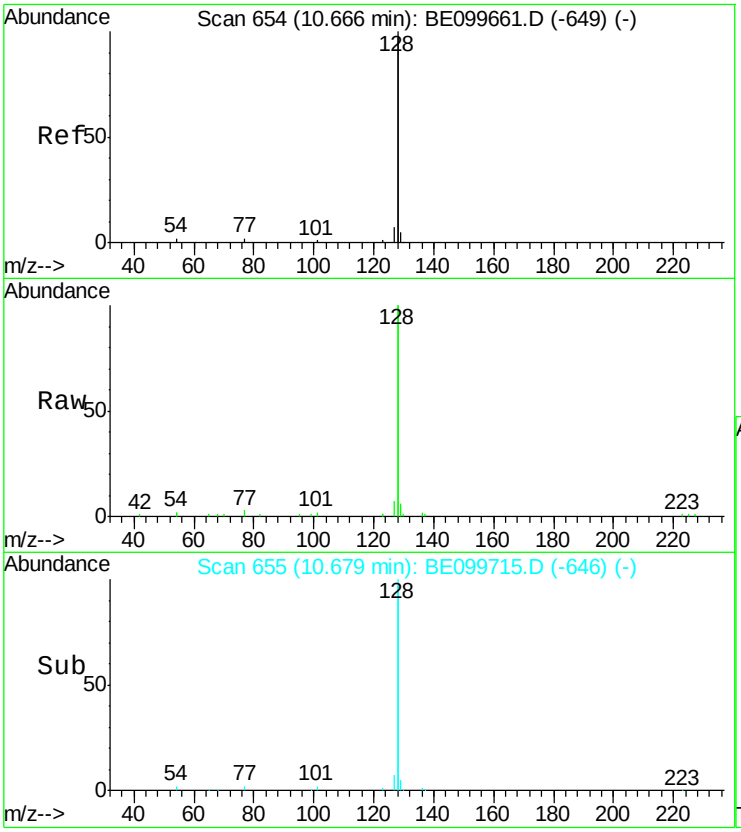


#8
Nitrobenzene-d5
Concen: 0.419 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion: 82 Resp: 2077

Ion	Ratio	Lower	Upper
82	100		
128	152.5	117.7	176.5
54	138.7	106.6	160.0



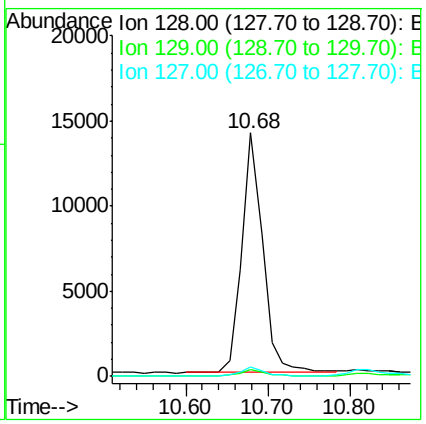


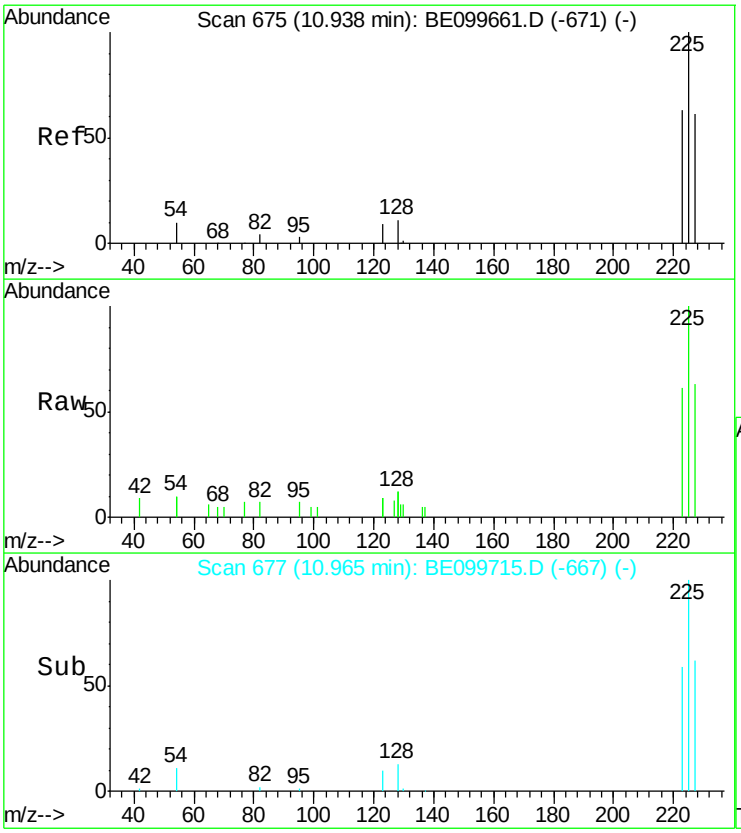
#9
Naphthalene
Concen: 0.411 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:128 Resp: 25176

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.4	3.6
127	3.6	2.9	4.3

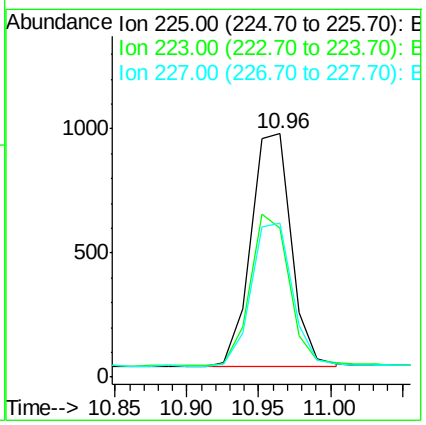


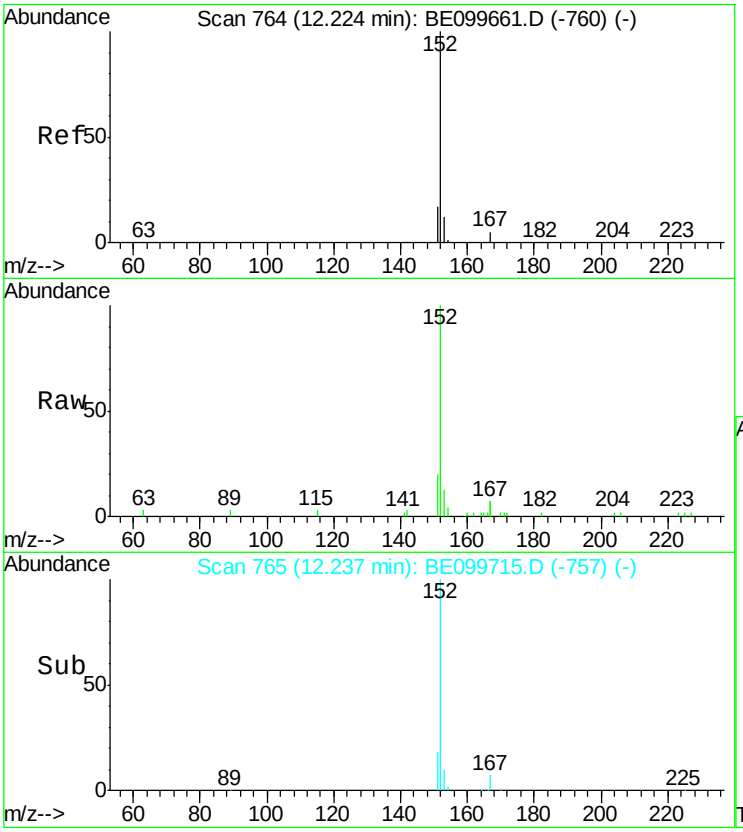


#10
Hexachlorobutadiene
Concen: 0.407 ng
RT: 10.96 min Scan# 677
Delta R.T. 0.03 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:225 Resp: 1833

Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.8	77.6
227	62.5	52.6	79.0



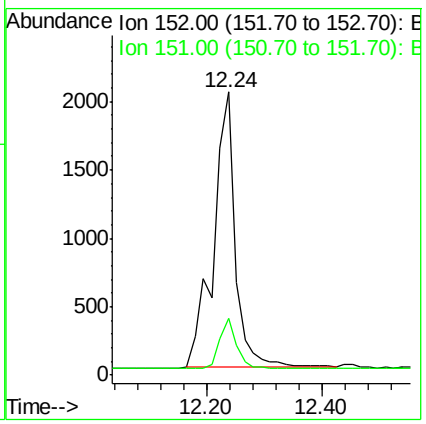


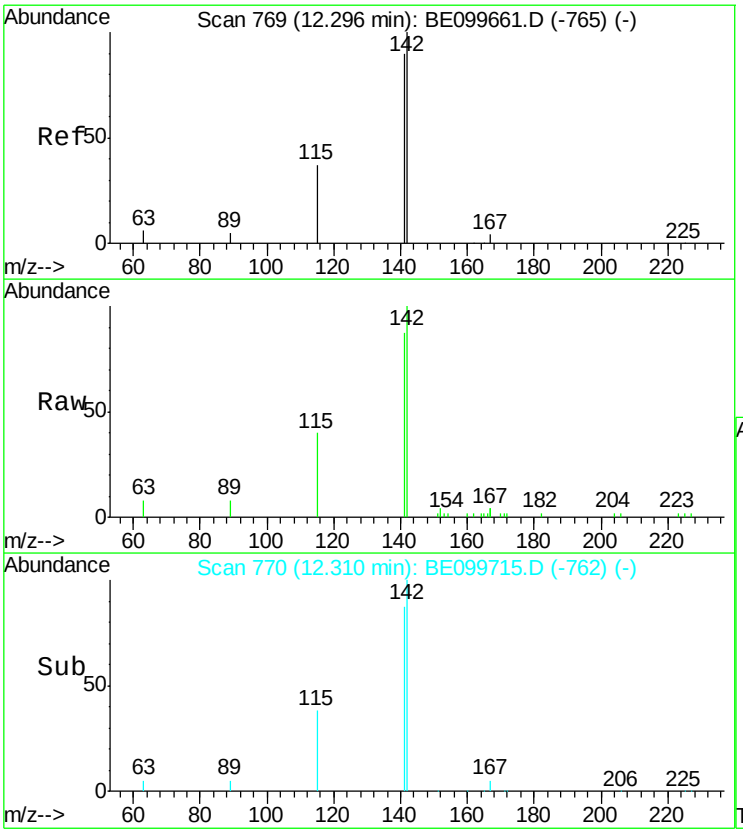
#11
2-Methylnaphthalene-d10
Concen: 0.535 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:152 Resp: 5288

Ion	Ratio	Lower	Upper
152	100		
151	14.8	15.0	22.4#

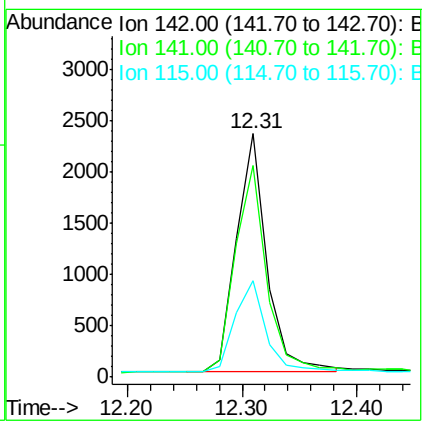


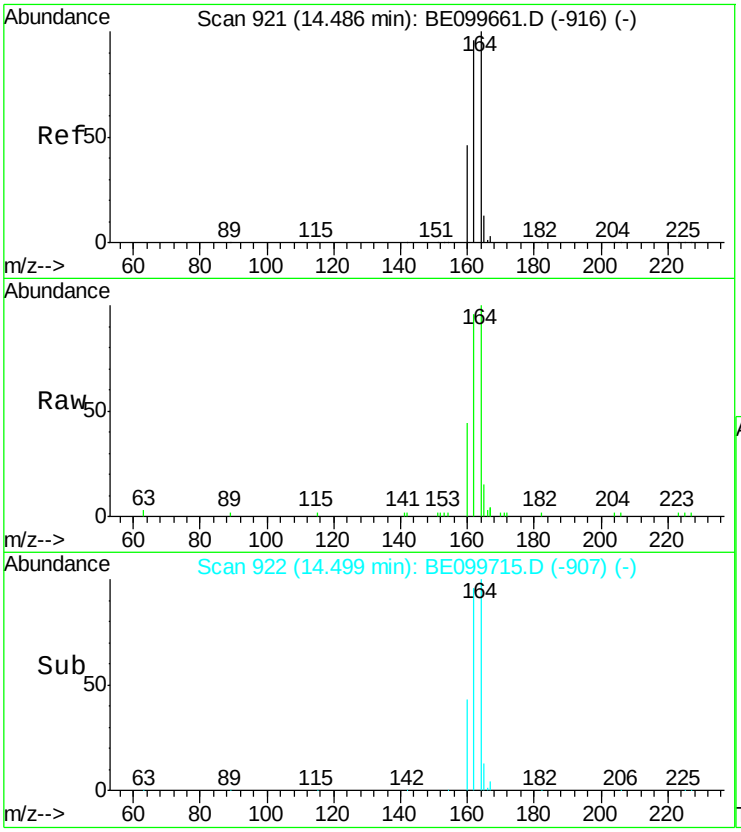


#12
2-Methylnaphthalene
Concen: 0.426 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:142 Resp: 4252

Ion	Ratio	Lower	Upper
142	100		
141	87.0	72.0	108.0
115	39.6	31.0	46.4



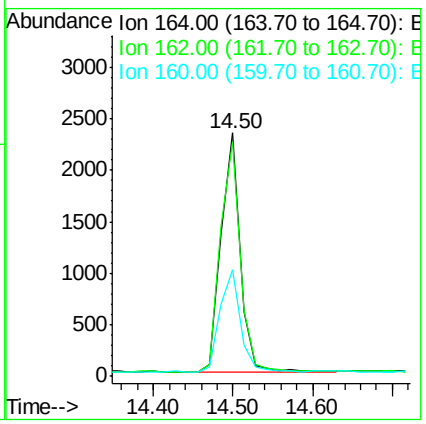


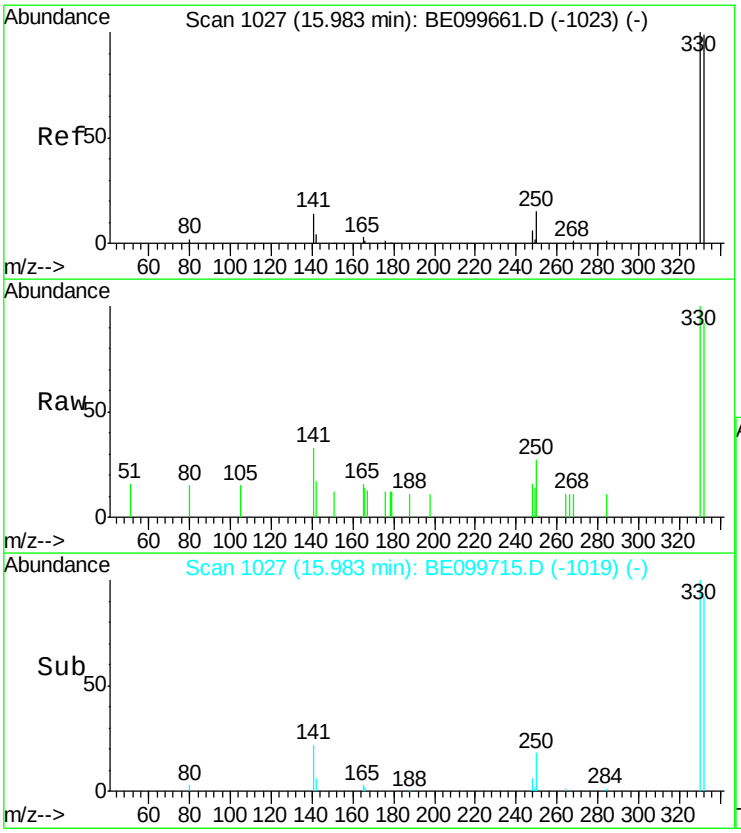
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:164 Resp: 3850

Ion	Ratio	Lower	Upper
164	100		
162	96.4	76.5	114.7
160	44.0	37.4	56.2

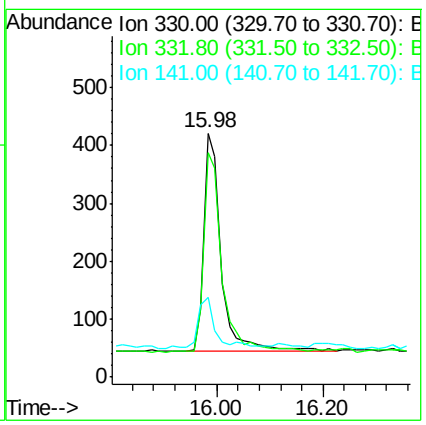


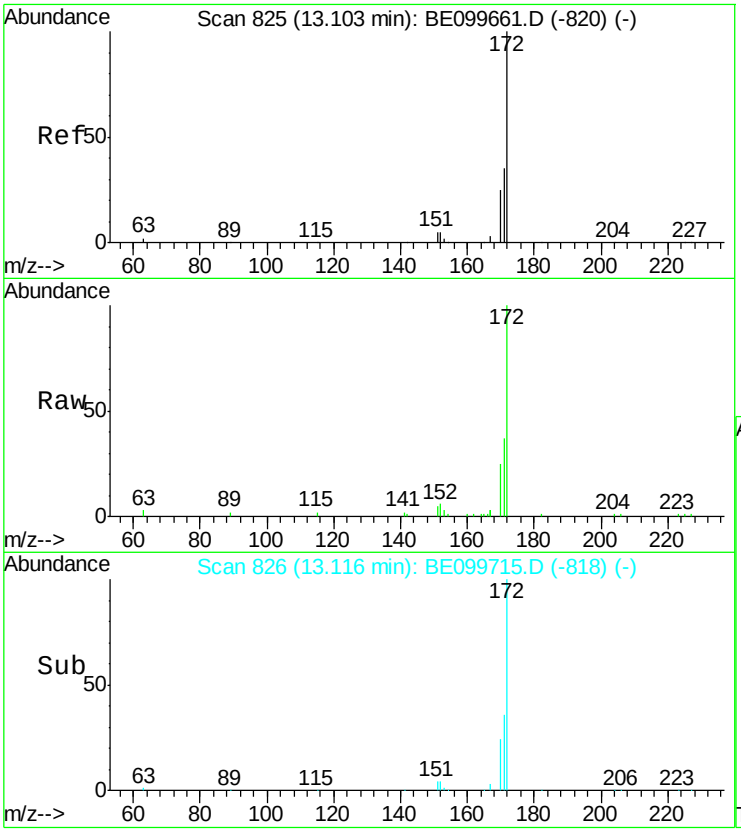


#14
2,4,6-Tribromophenol
Concen: 0.423 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:330 Resp: 857

Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.3	115.9
141	20.7	18.9	28.3



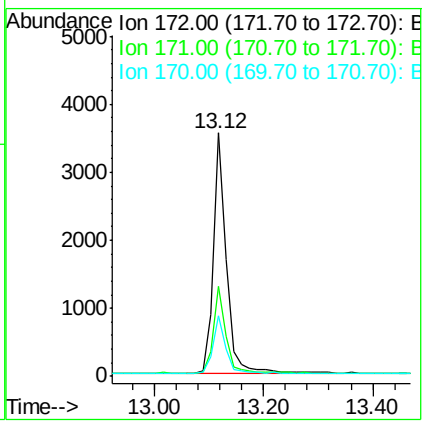


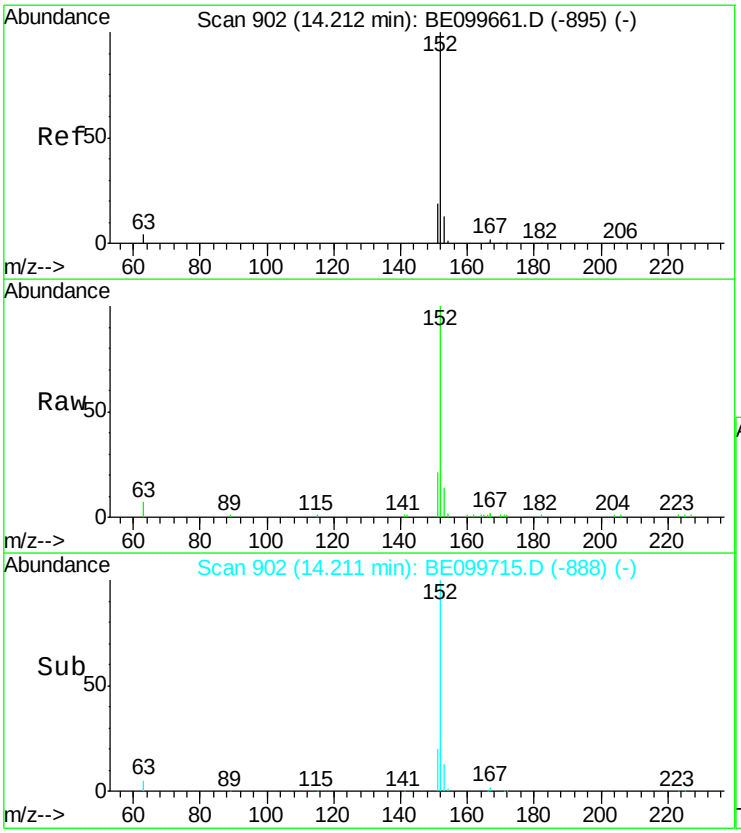
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:172 Resp: 5962

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.7	43.1
170	25.1	20.9	31.3

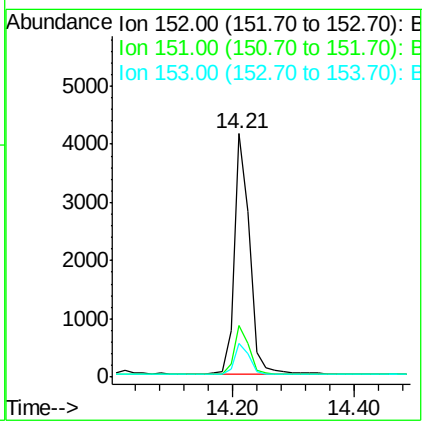


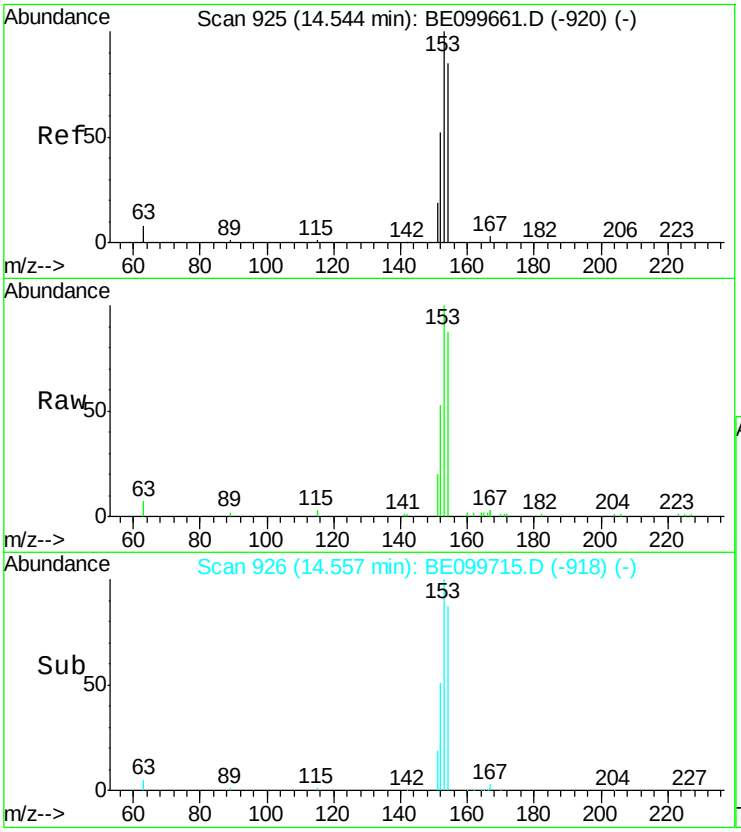


#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:152 Resp: 7279

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.6	10.6	16.0



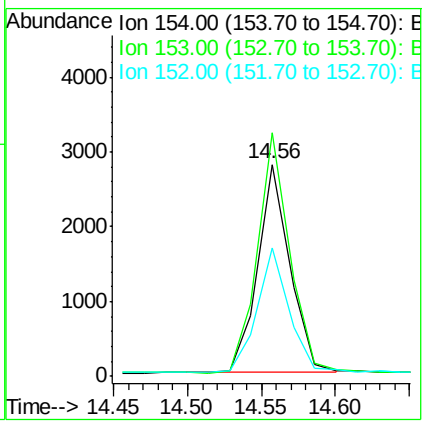


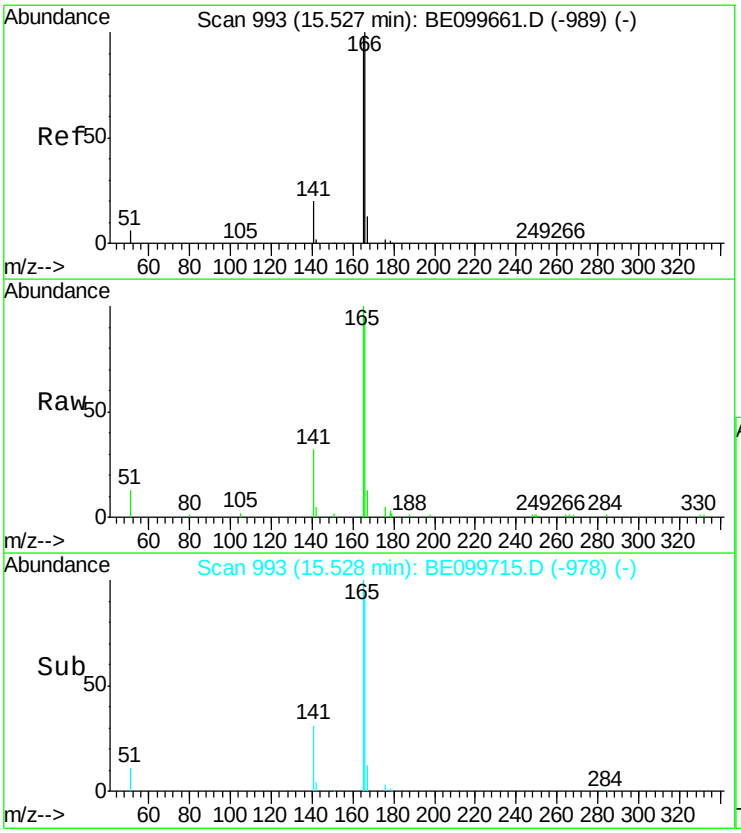
#17
Acenaphthene
Concen: 0.414 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:154 Resp: 4167

Ion	Ratio	Lower	Upper
154	100		
153	114.8	91.8	137.6
152	59.6	46.0	69.0

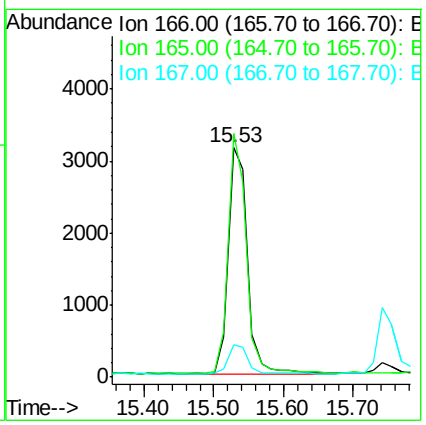


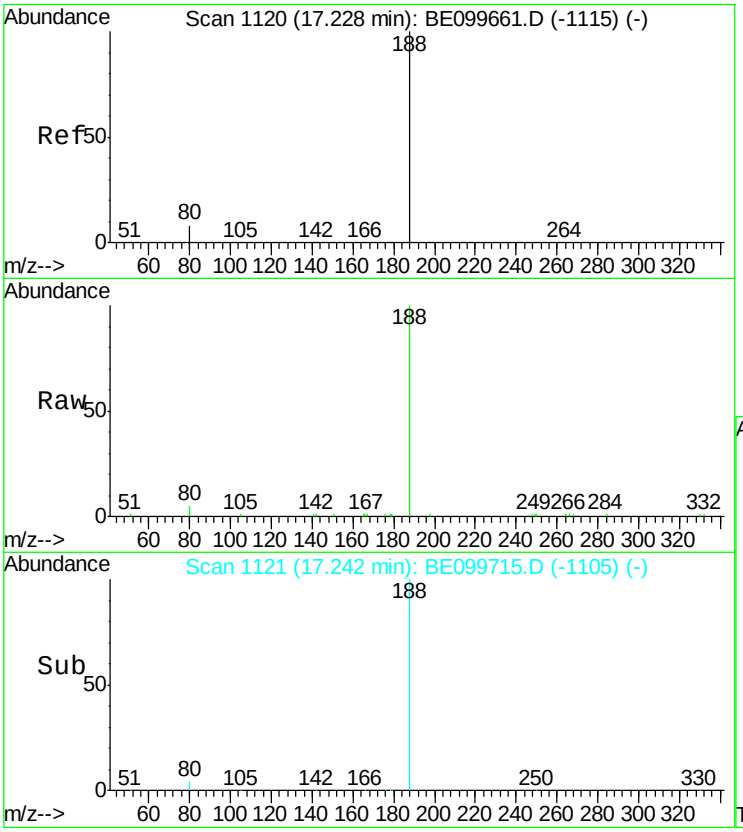


#18
Fluorene
Concen: 0.399 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:166 Resp: 5925

Ion	Ratio	Lower	Upper
166	100		
165	100.4	80.3	120.5
167	13.6	10.6	16.0



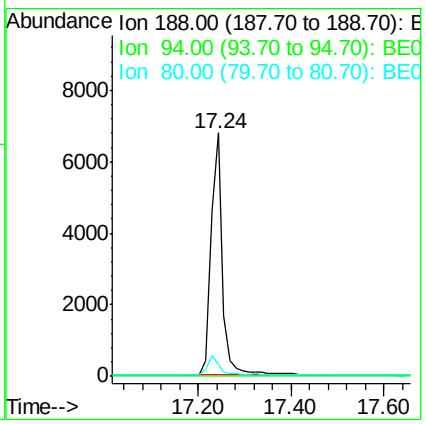


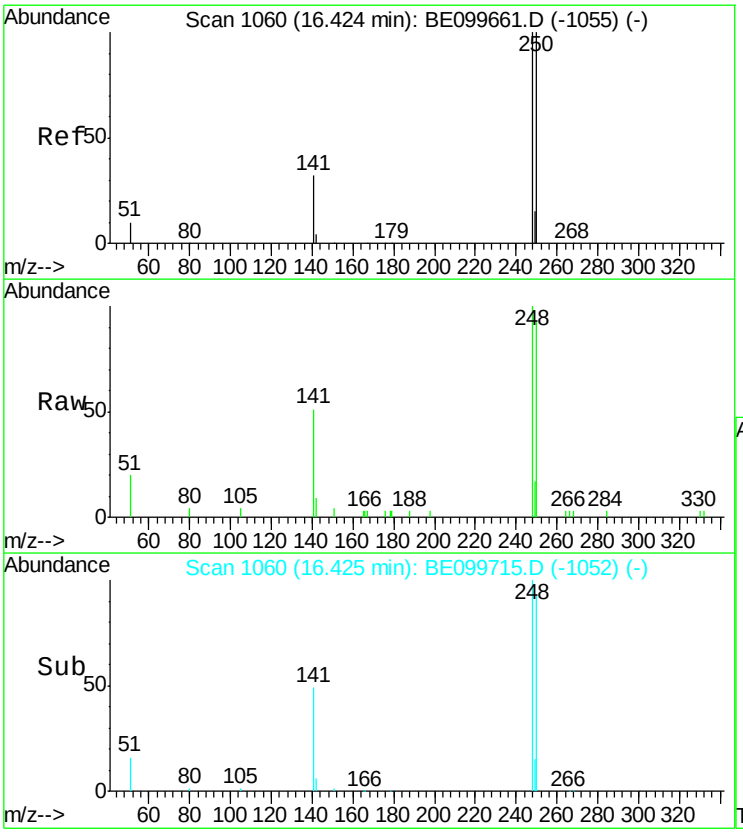
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:188 Resp: 11708

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.0	6.7	10.1#

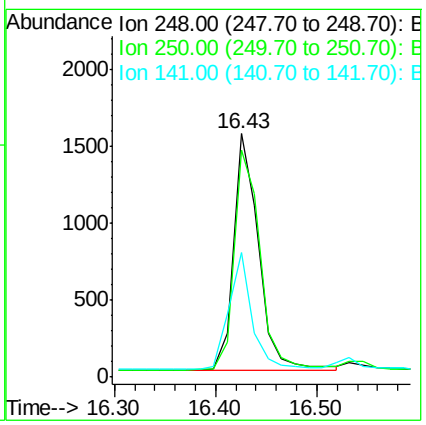


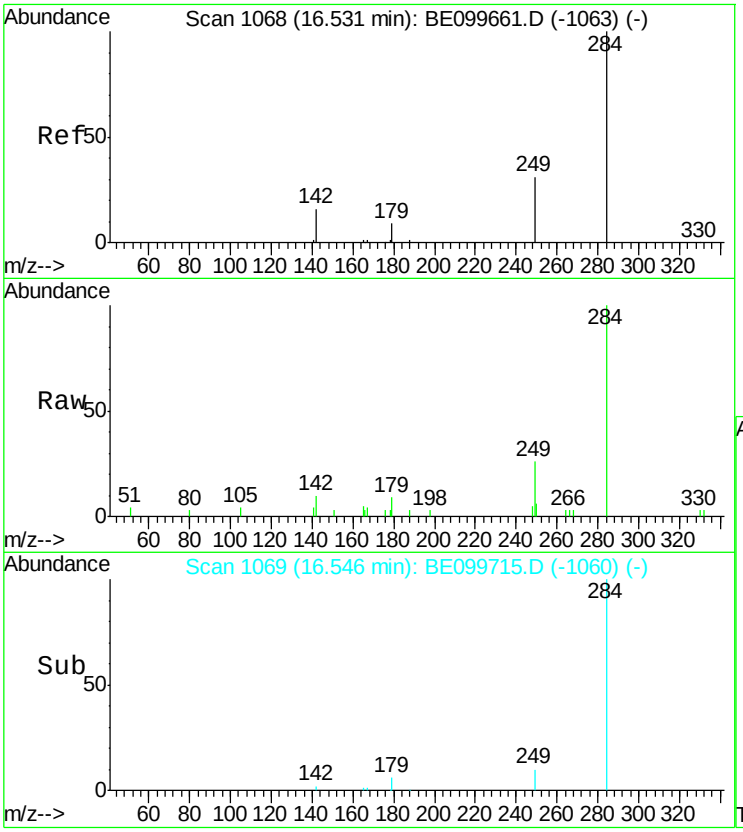


#20
4-Bromophenyl-phenylether
Concen: 0.390 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:248 Resp: 2632

Ion	Ratio	Lower	Upper
248	100		
250	93.0	79.8	119.8
141	50.9	27.0	40.6#



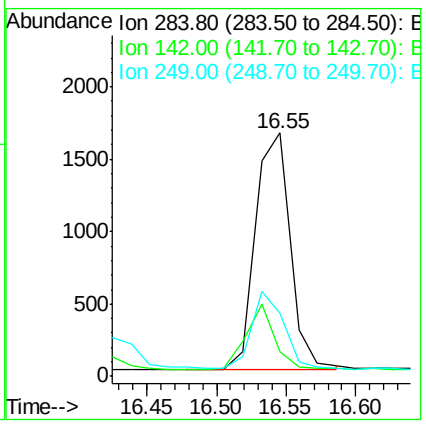


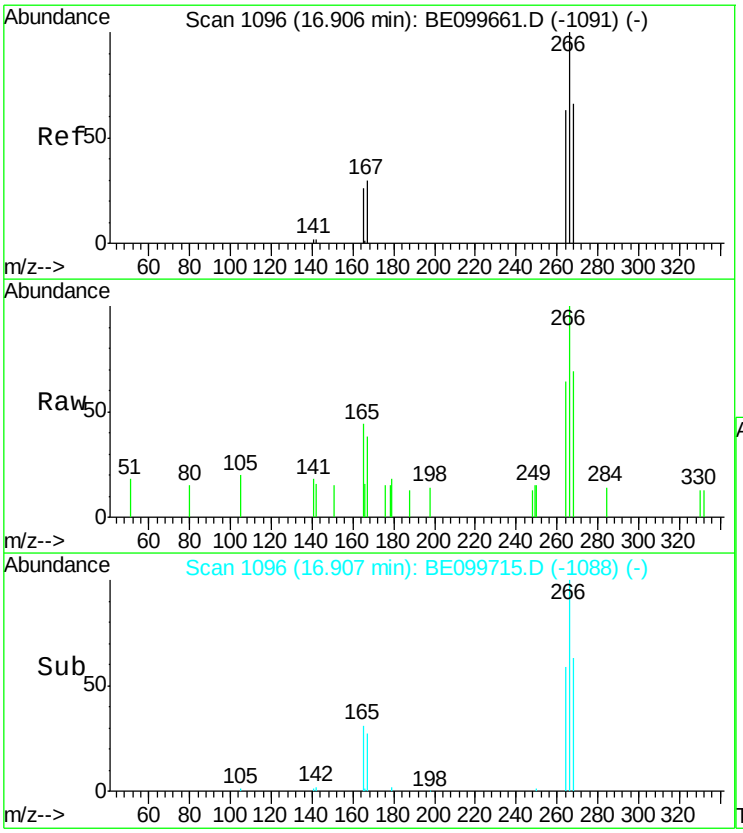
#21
Hexachlorobenzene
Concen: 0.414 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:284 Resp: 2860

Ion	Ratio	Lower	Upper
284	100		
142	22.5	17.8	26.6
249	29.6	24.8	37.2

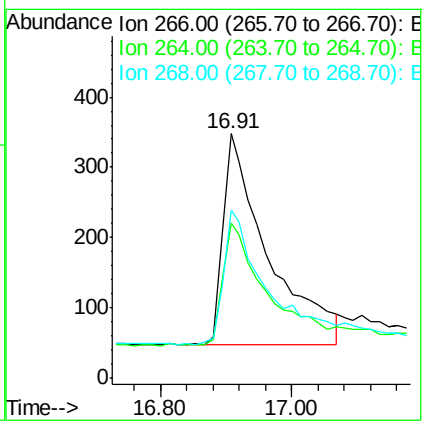


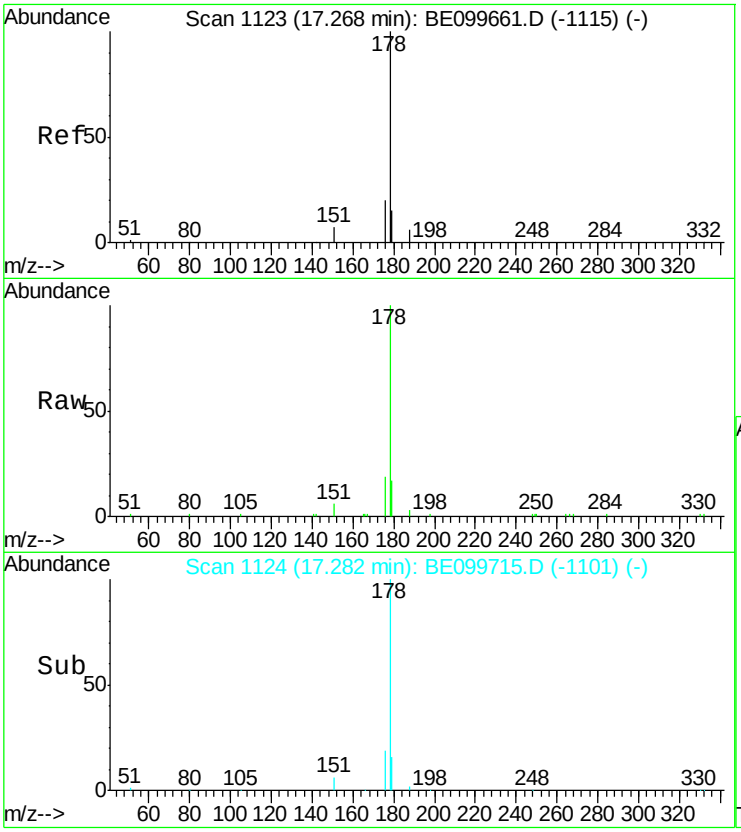


#22
Pentachlorophenol
Concen: 0.817 ng
RT: 16.91 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:266 Resp: 1431

Ion	Ratio	Lower	Upper
266	100		
264	63.5	57.2	85.8
268	68.7	60.5	90.7



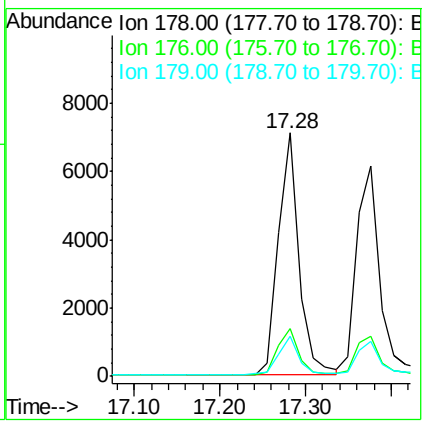


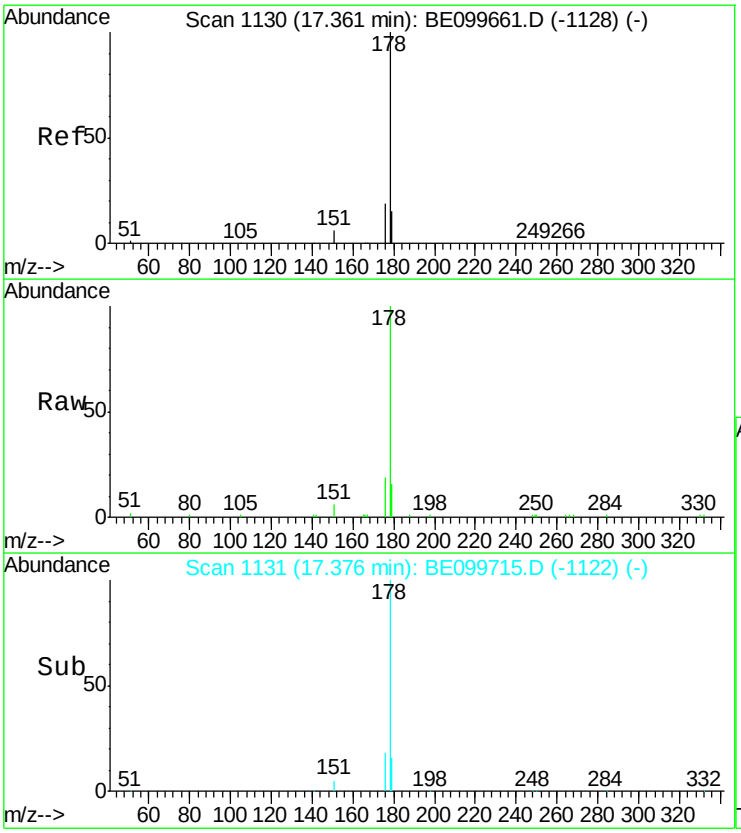
#23
Phenanthrene
Concen: 0.410 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:178 Resp: 11736

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.2	12.2	18.4

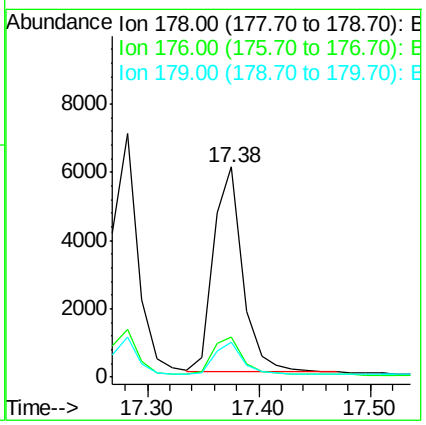


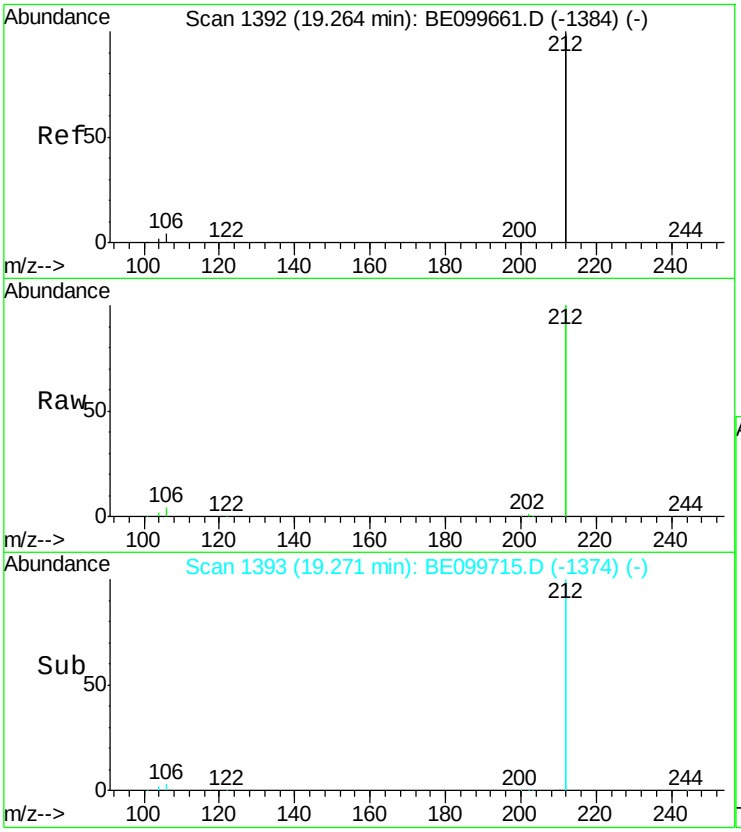


#24
Anthracene
Concen: 0.424 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:178 Resp: 11002

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.2	12.0	18.0



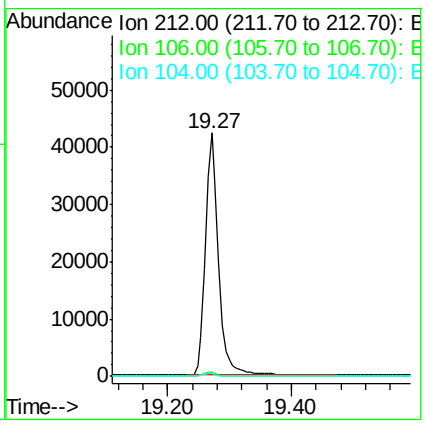


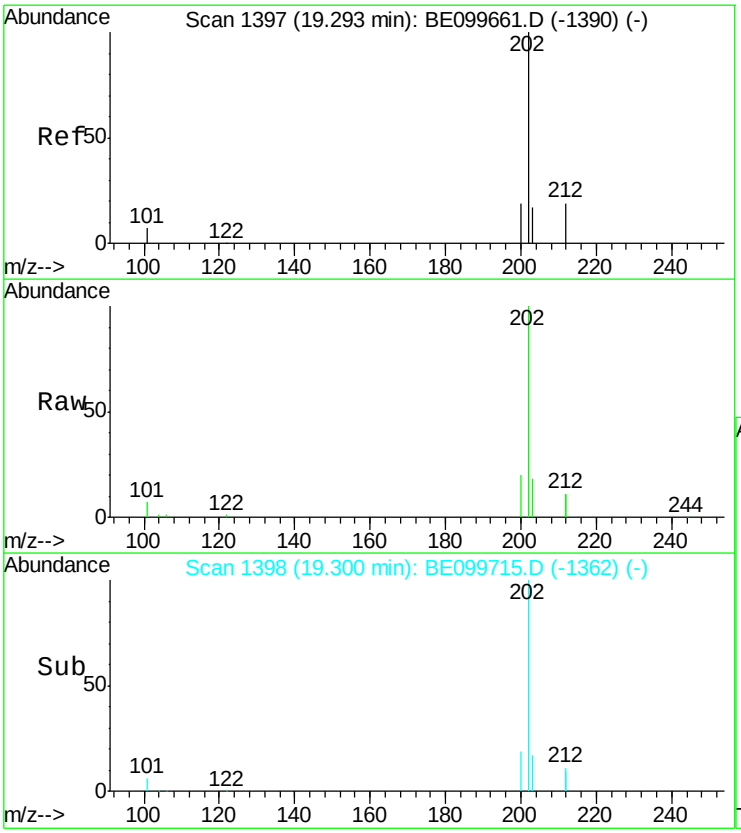
#25
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.27 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:212 Resp: 62946

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.0	0.8	1.2

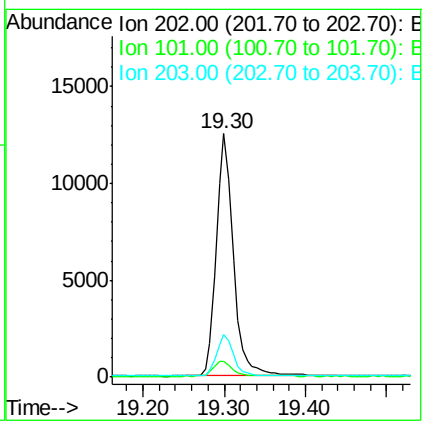


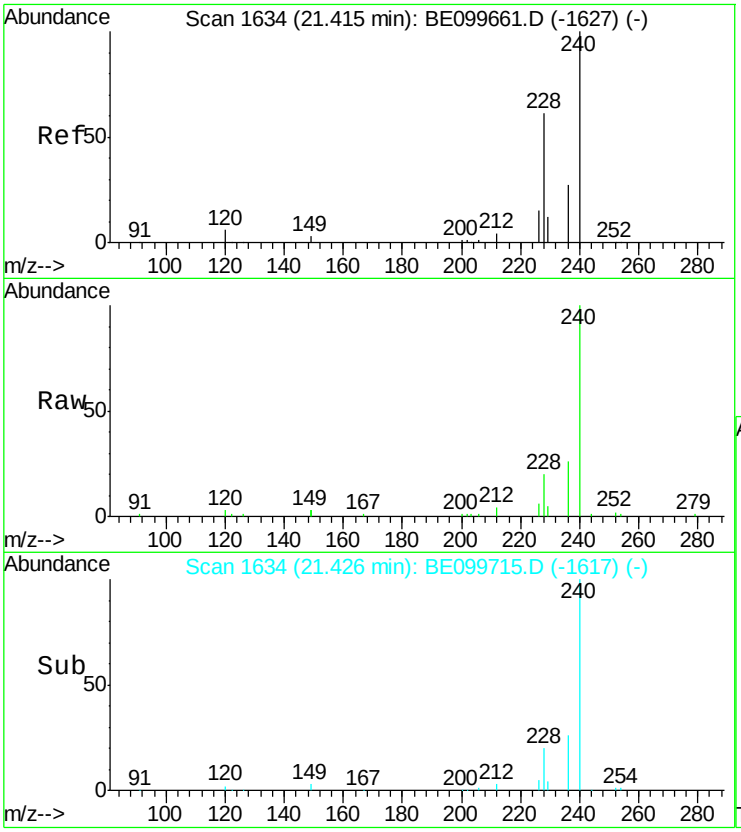


#26
Fluoranthene
Concen: 0.405 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:202 Resp: 18328

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	17.1	13.8	20.6



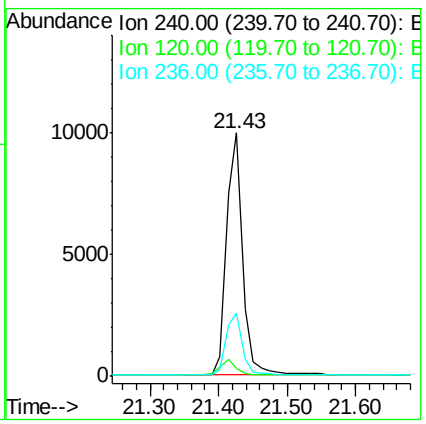


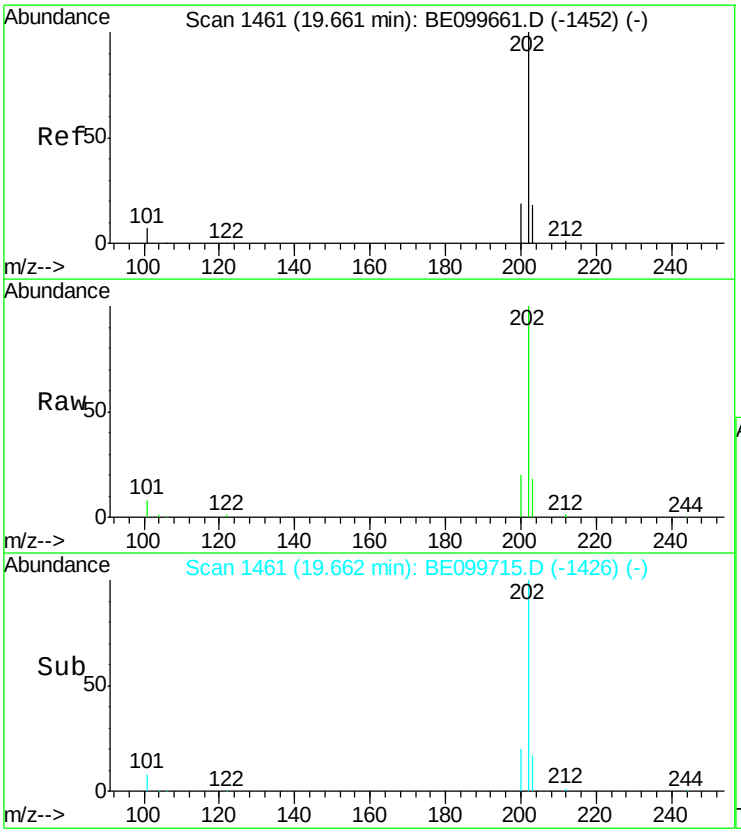
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:240 Resp: 16176

Ion	Ratio	Lower	Upper
240	100		
120	3.2	5.4	8.0#
236	26.1	21.7	32.5

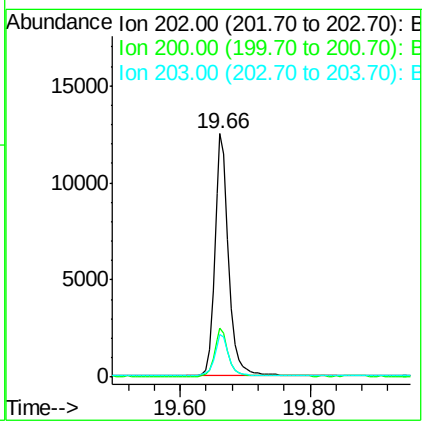


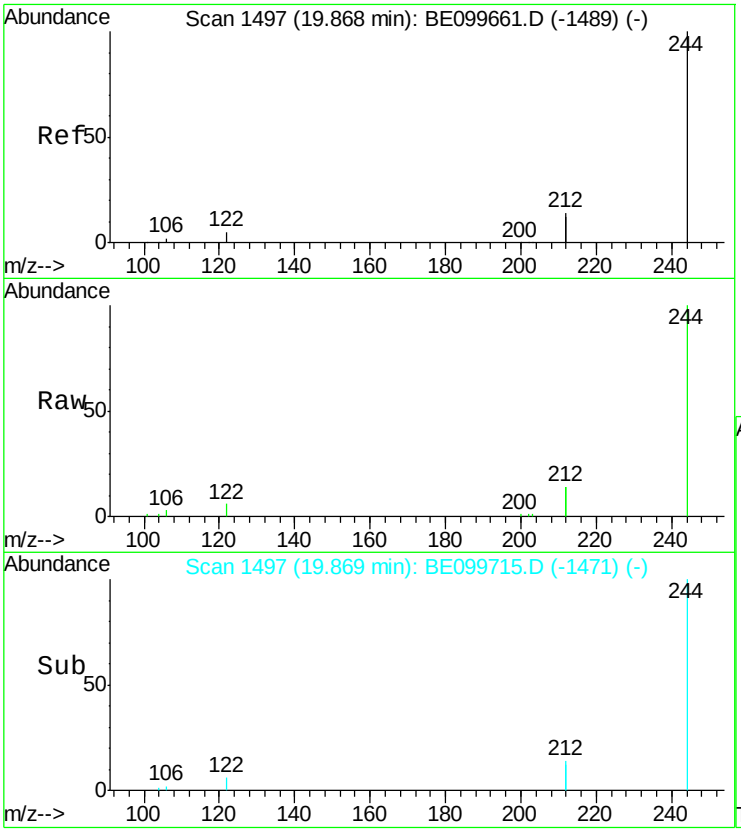


#28
Pyrene
Concen: 0.462 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:202 Resp: 18794

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.4	23.2
203	18.1	13.8	20.8



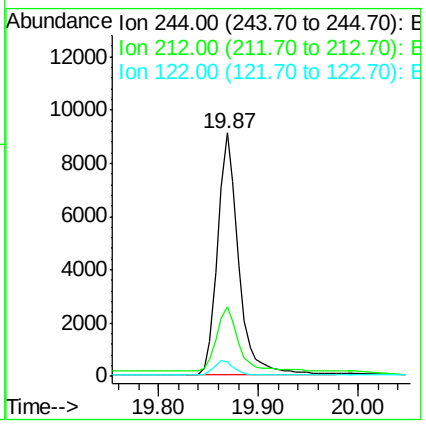


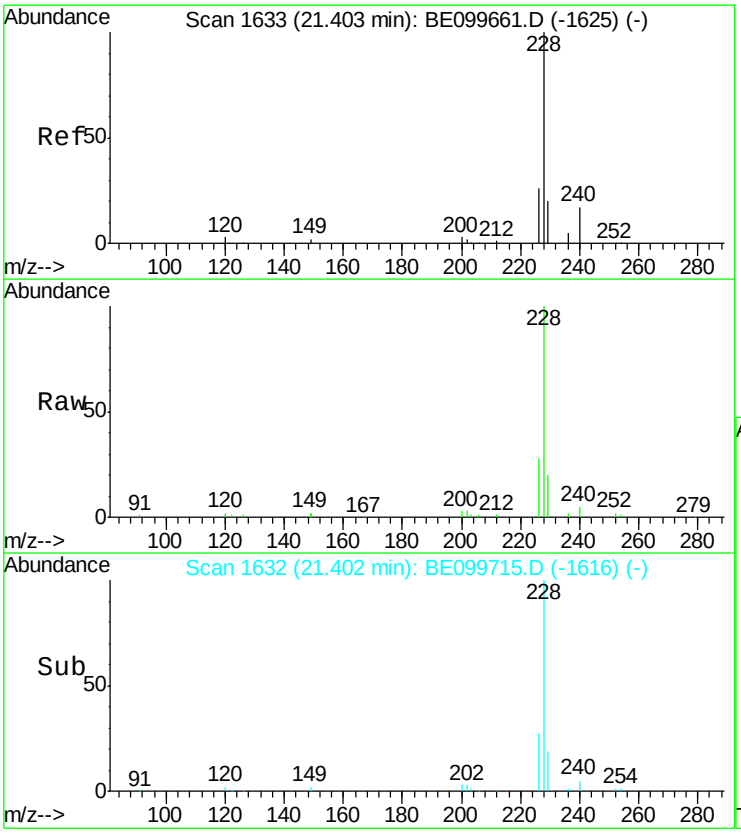
#29
Terphenyl-d14
Concen: 0.464 ng
RT: 19.87 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:244 Resp: 13399

Ion	Ratio	Lower	Upper
244	100		
212	28.8	22.5	33.7
122	6.2	4.3	6.5

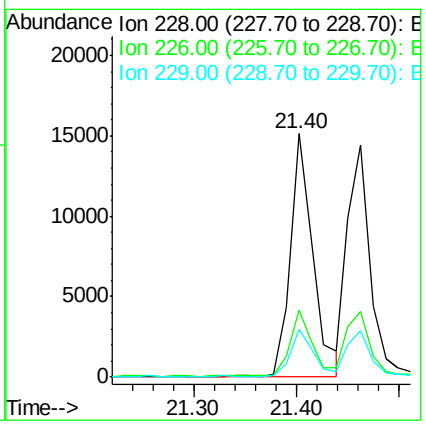


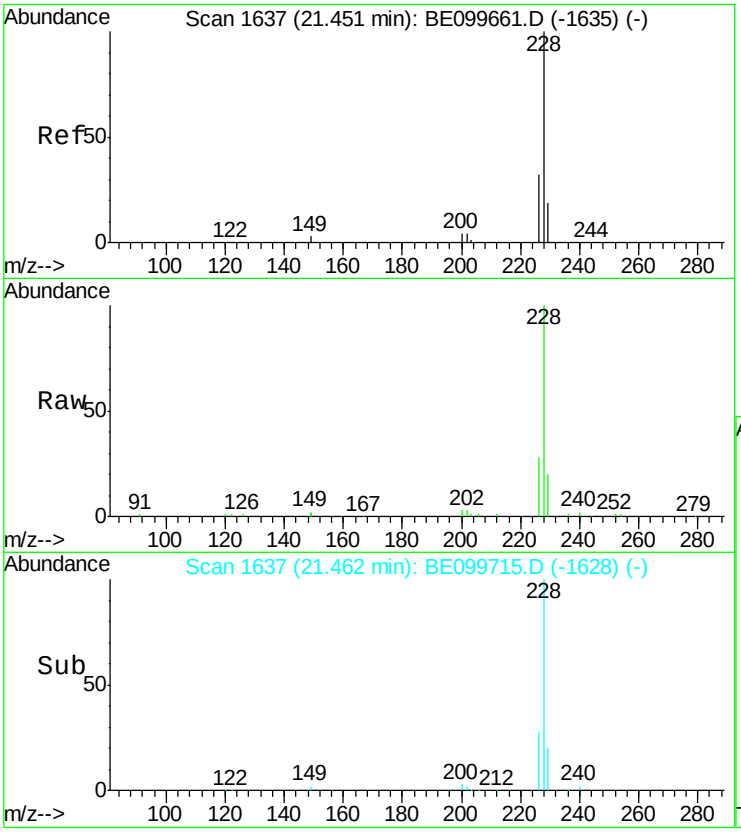


#30
Benzo(a)anthracene
Concen: 0.505 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:228 Resp: 23213

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.3	31.9
229	19.7	16.1	24.1



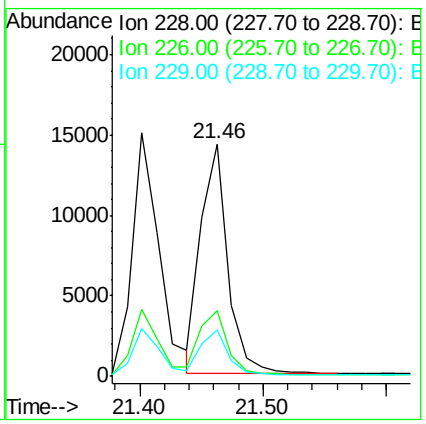


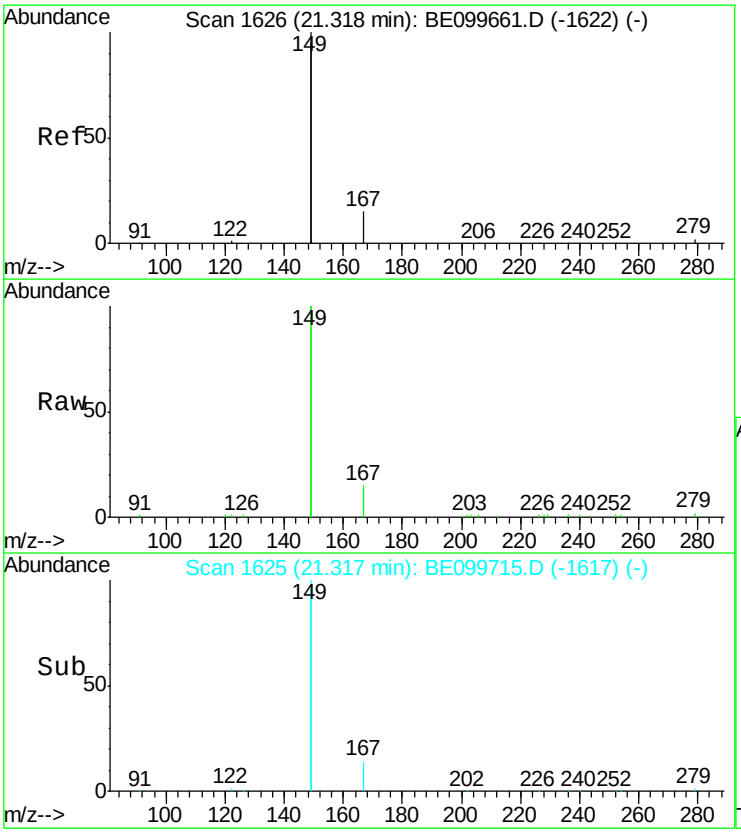
#31
Chrysene
Concen: 0.441 ng
RT: 21.46 min Scan# 1637
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:228 Resp: 21670

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.7	37.1
229	19.9	15.8	23.6

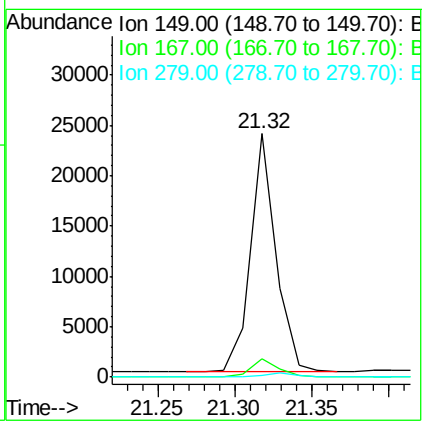


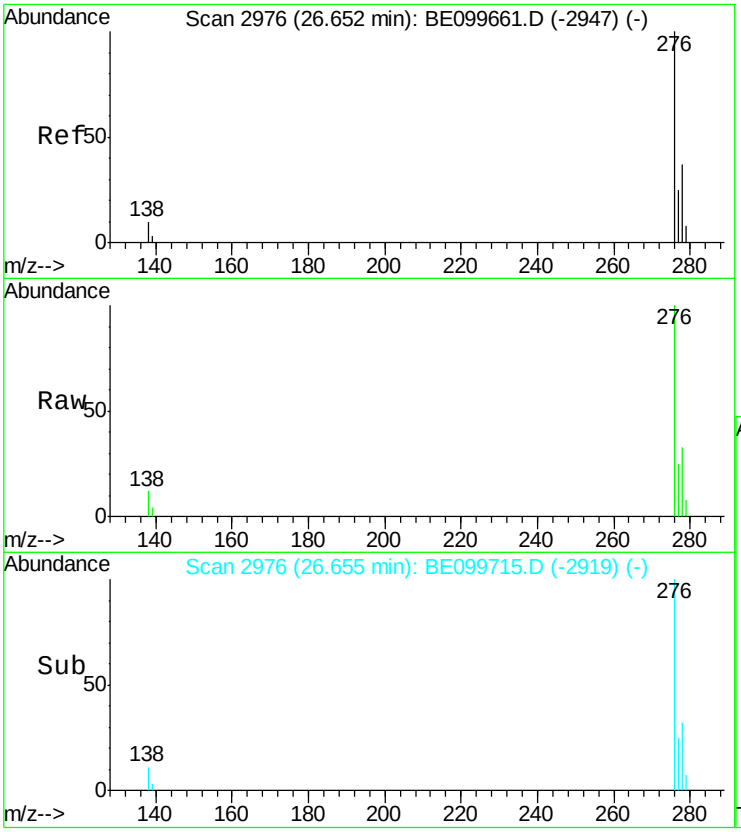


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.508 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:149 Resp: 26889

Ion	Ratio	Lower	Upper
149	100		
167	7.8	6.2	9.4
279	1.5	1.2	1.8



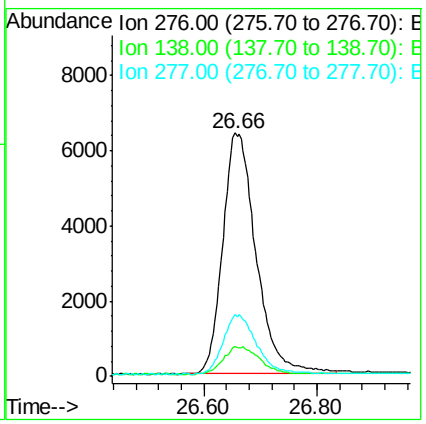


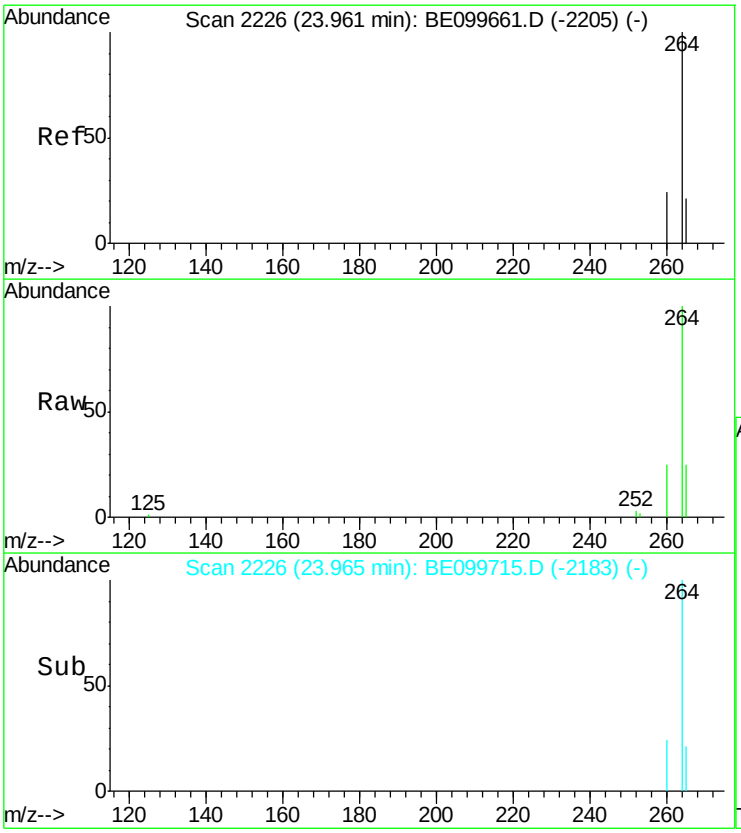
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.443 ng
RT: 26.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:276 Resp: 26280

Ion	Ratio	Lower	Upper
276	100		
138	4.9	9.6	14.4#
277	24.3	19.2	28.8

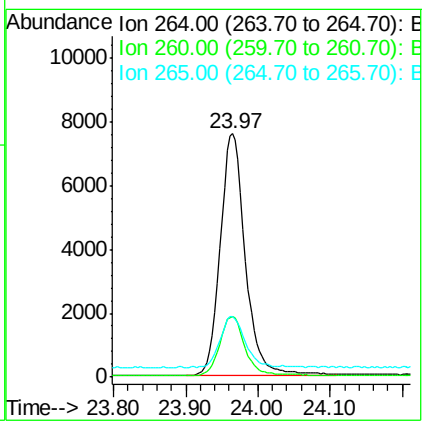


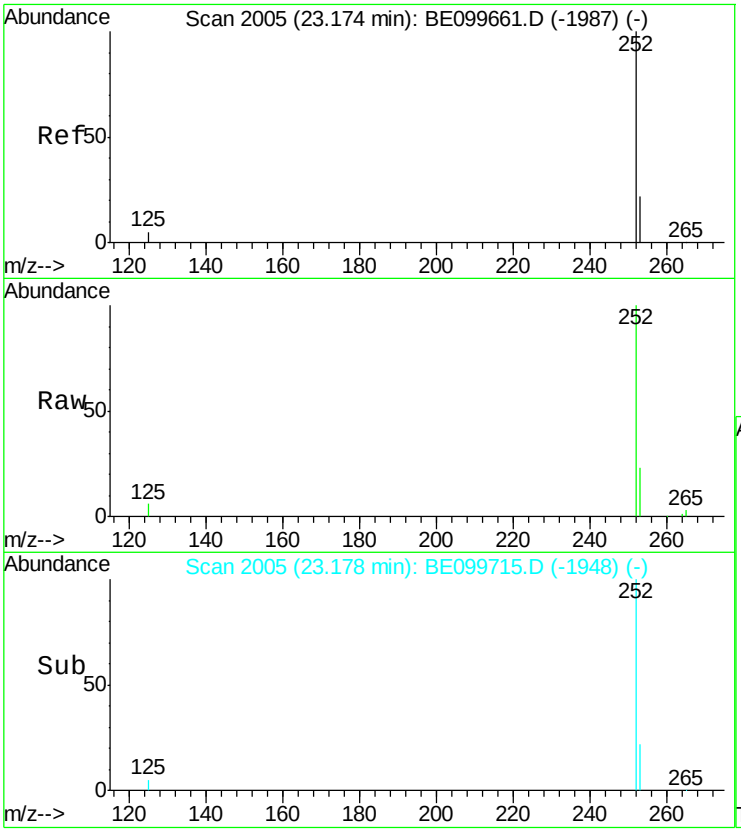


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.97 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:264 Resp: 18109

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	24.9	19.1	28.7



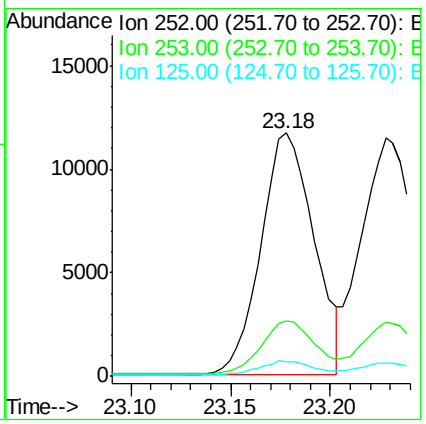


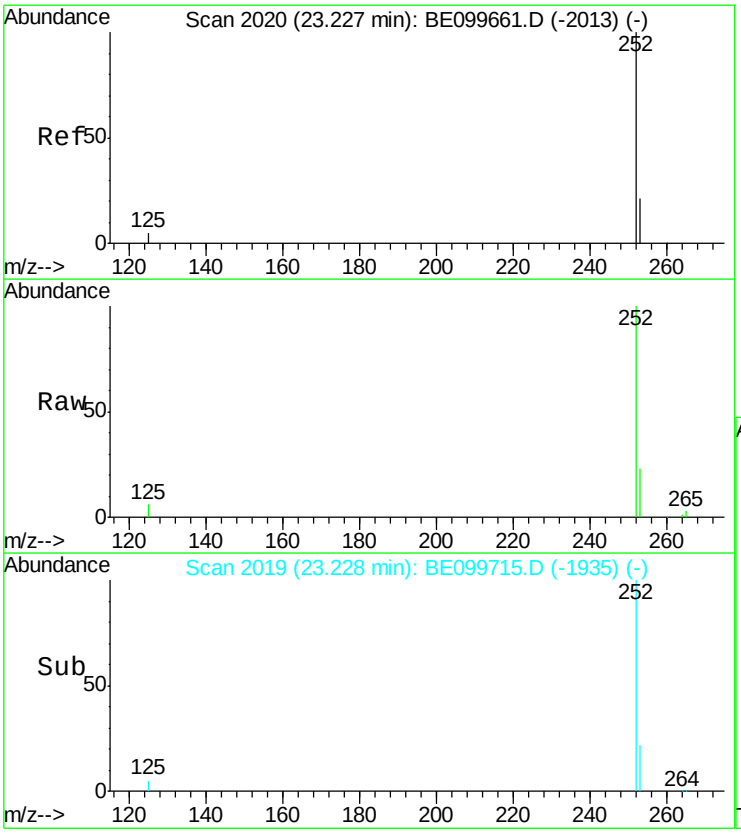
#35
Benzo(b)fluoranthene
Concen: 0.434 ng
RT: 23.18 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:252 Resp: 21540

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	6.1	4.5	6.7

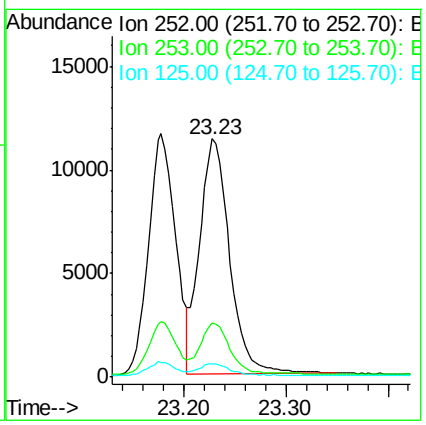


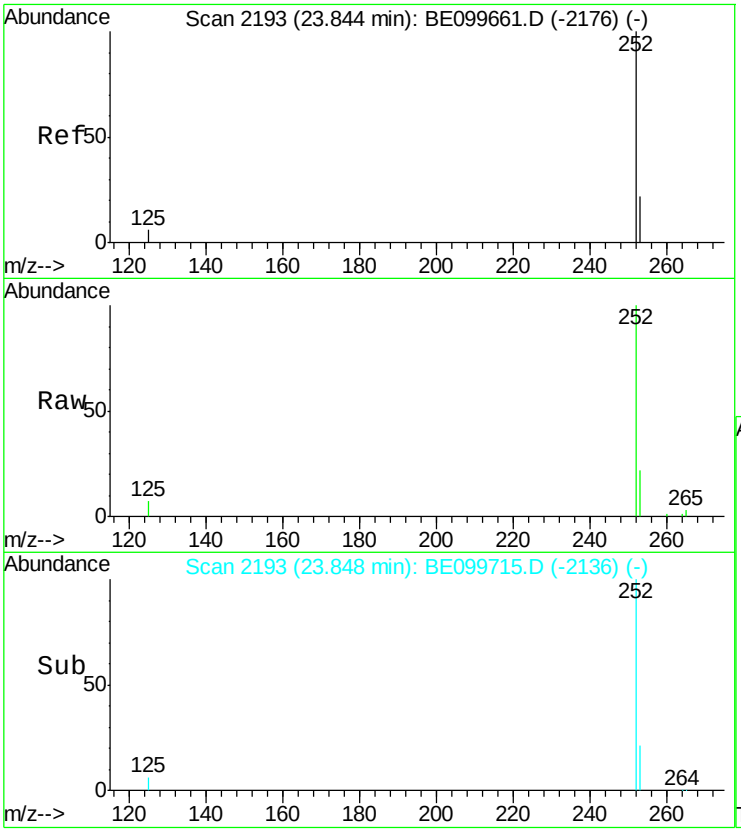


#36
Benzo(k)fluoranthene
Concen: 0.450 ng
RT: 23.23 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:252 Resp: 23253

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	5.7	4.6	6.8



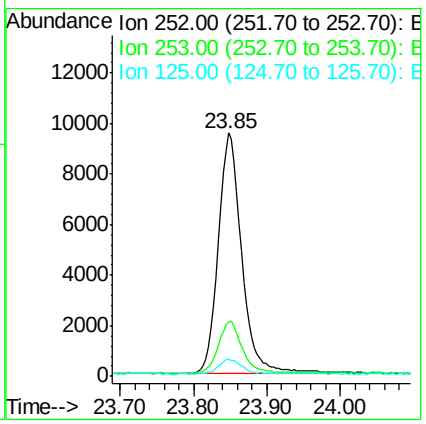


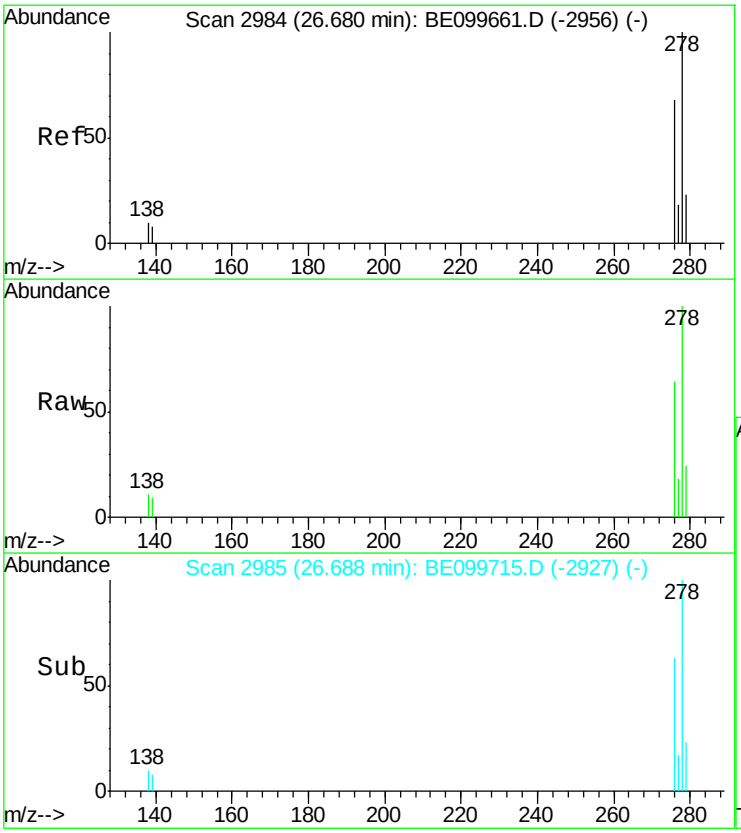
#37
Benzo(a)pyrene
Concen: 0.454 ng
RT: 23.85 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:252 Resp: 21656

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.9	28.3
125	6.9	5.4	8.0

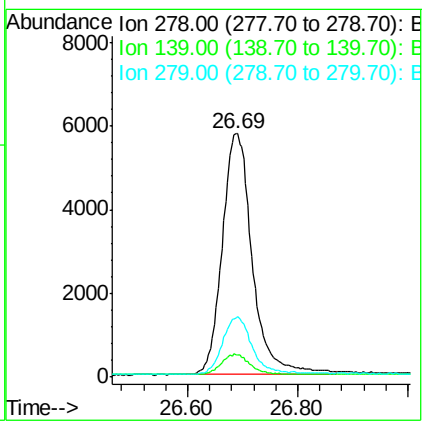


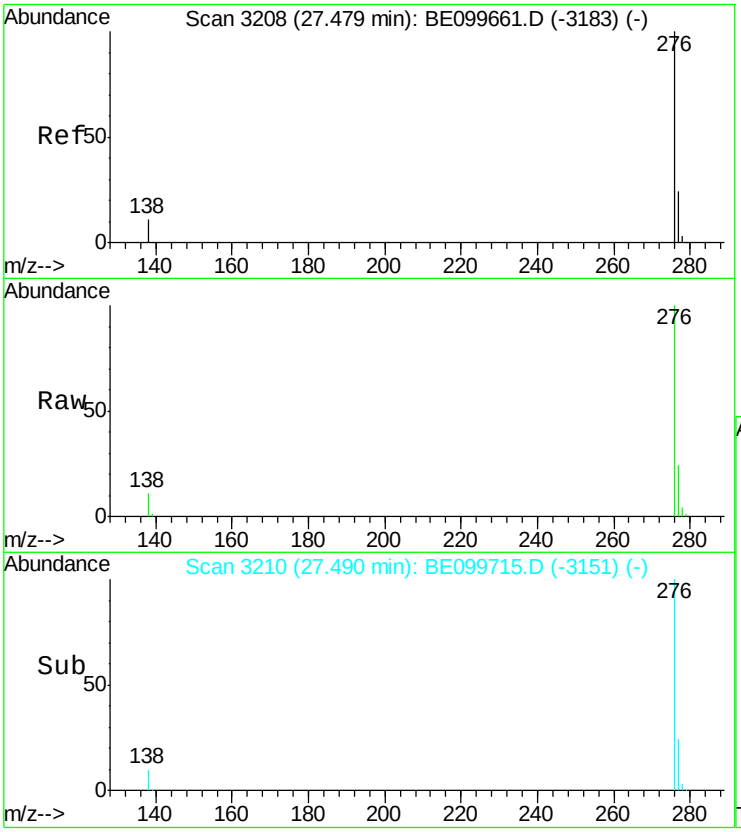


#38
Dibenzo(a,h)anthracene
Concen: 0.437 ng
RT: 26.69 min Scan# 2985
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:278 Resp: 21916

Ion	Ratio	Lower	Upper
278	100		
139	8.9	6.9	10.3
279	24.5	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.443 ng
RT: 27.49 min Scan# 3210
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:276 Resp: 22443

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.6
138	11.0	9.2	13.8