Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
Data File : BE099666.D
Acq On : 20 May 2019 18:37
Operator : JU/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE052019

Quant Time: May 20 19:36:09 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	7.82	152	1868	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	6576	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	4778	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	14826	0.40	ng		0.00
27) Chrysene-d12	21.41	240	20915	0.40	ng		0.00
34) Perylene-d12	23.96	264	24574	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1617	0.34	ng		0.00
5) Phenol-d6	6.98	99	2173	0.35	ng		0.00
8) Nitrobenzene-d5	8.98	82	1935	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	4038	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	846	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	6241	0.34	ng		0.00
25) Fluoranthene-d10	19.27	212	69982	0.35	ng		0.00
29) Terphenyl-d14	19.86	244	14016	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	990	0.358	ng		95
3) n-Nitrosodimethylamine	3.64	42	411	0.269	ng	#	88
6) bis(2-Chloroethyl)ether	7.24	93	1933	0.348	ng		94
9) Naphthalene	10.67	128	25188	0.358	ng		100
10) Hexachlorobutadiene	10.94	225	1905	0.368	ng		96
12) 2-Methylnaphthalene	12.30	142	4101	0.358	ng		99
16) Acenaphthylene	14.21	152	7654	0.344	ng		100
17) Acenaphthene	14.56	154	4338	0.347	ng		98
18) Fluorene	15.53	166	6467	0.351	ng		99
20) 4-Bromophenyl-phenylether	16.43	248	2911	0.341	ng		99
21) Hexachlorobenzene	16.53	284	3070	0.351	ng		99
22) Pentachlorophenol	16.92	266	410	0.335	ng		98
23) Phenanthrene	17.27	178	12460	0.344	ng		100
24) Anthracene	17.36	178	10558	0.321	ng		99
26) Fluoranthene	19.29	202	20059	0.350	ng		99
28) Pyrene	19.66	202	20204	0.384	ng		100
30) Benzo(a)anthracene	21.40	228	21842	0.368	ng		99
31) Chrysene	21.46	228	24830	0.391	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	24159	0.353	ng		100
33) Indeno(1,2,3-cd)pyrene	26.65	276	29243	0.381	ng		99
35) Benzo(b)fluoranthene	23.17	252	24040	0.357	ng		99
36) Benzo(k)fluoranthene	23.23	252	24738	0.352	ng		99
37) Benzo(a)pyrene	23.84	252	23385	0.361	ng		99
38) Dibenzo(a,h)anthracene	26.69	278	23704	0.348	ng		99
39) Benzo(g,h,i)perylene	27.48	276	24436	0.356	ng		99

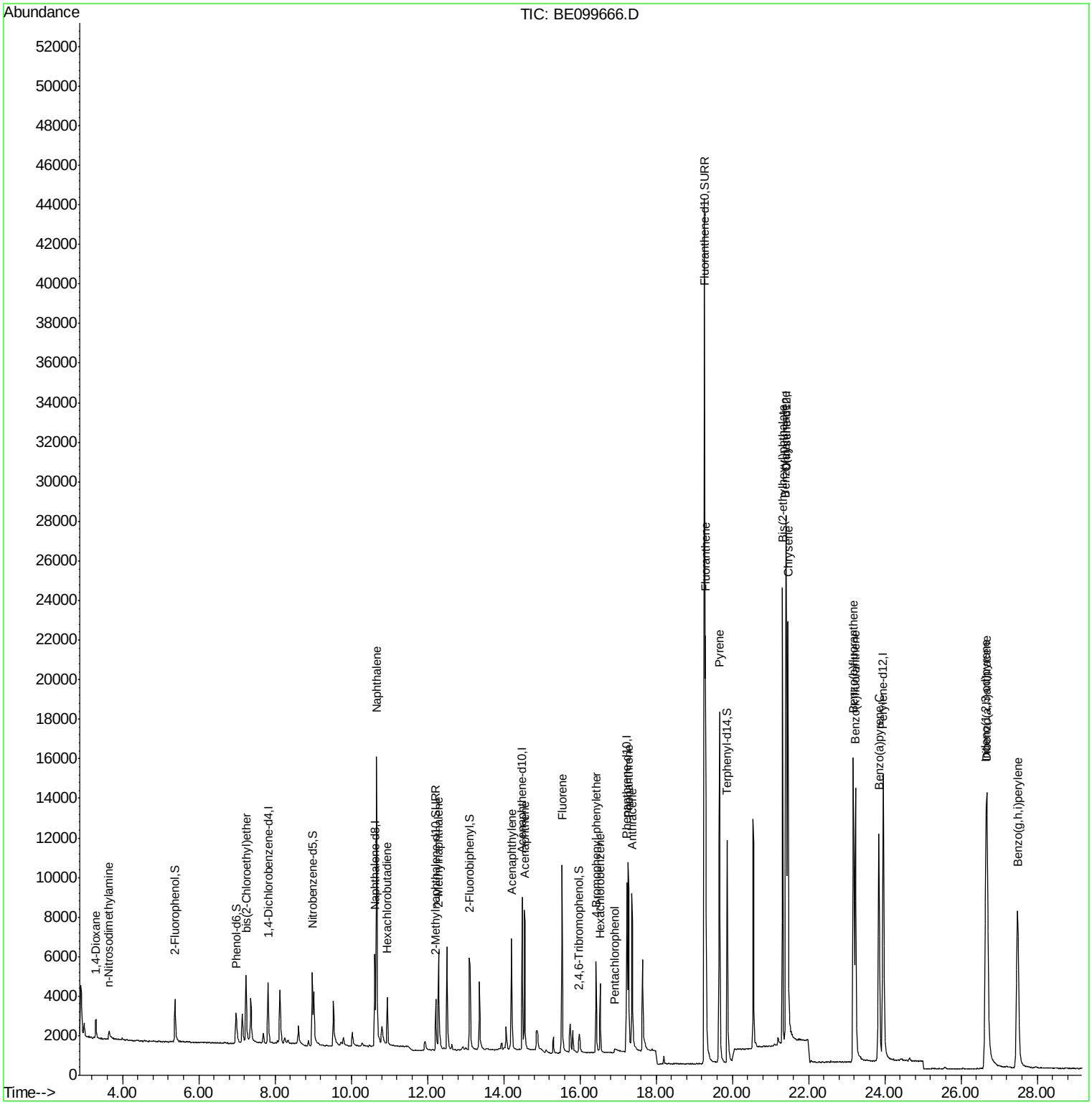
(#) = qualifier out of range (m) = manual integration (+) = signals summed

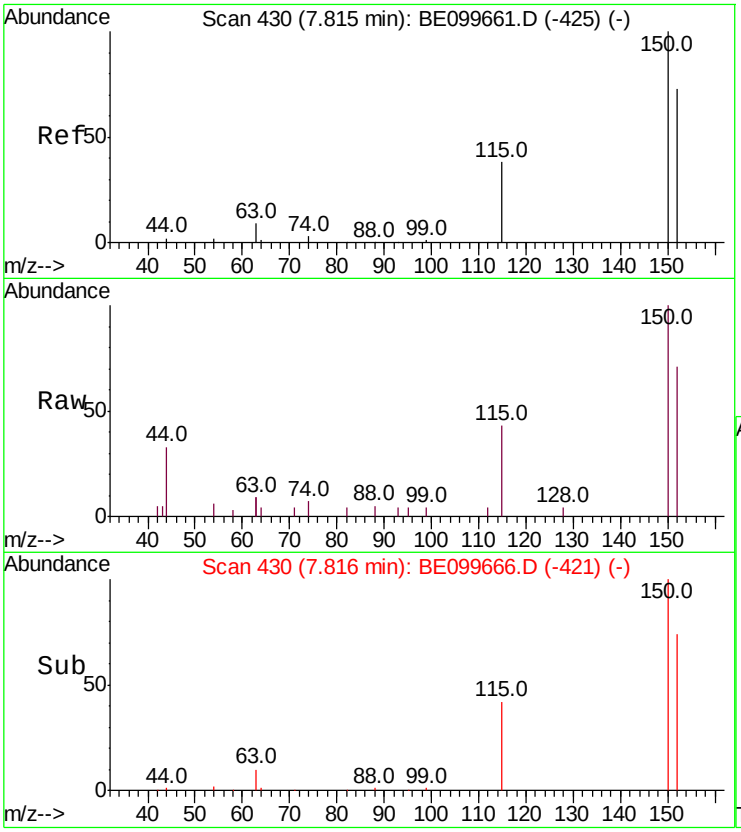
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
Data File : BE099666.D
Acq On : 20 May 2019 18:37
Operator : JU/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Quant Time: May 20 19:36:09 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



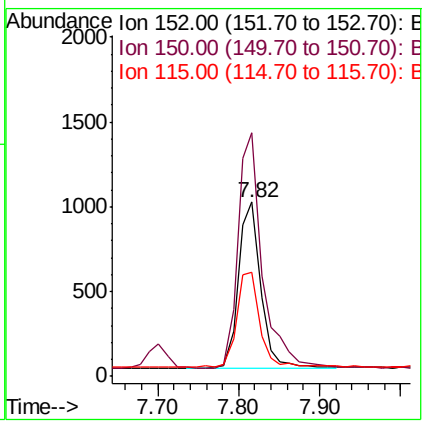


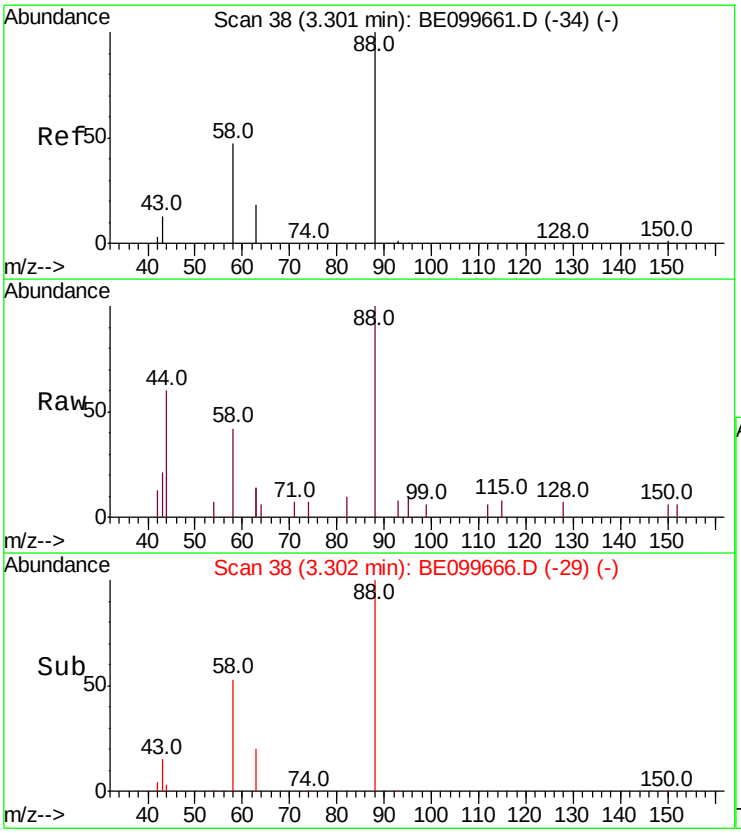
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:152 Resp: 1868

Ion	Ratio	Lower	Upper
152	100		
150	140.0	109.2	163.8
115	59.7	43.7	65.5

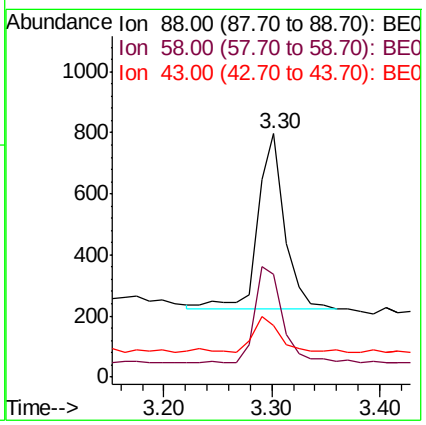


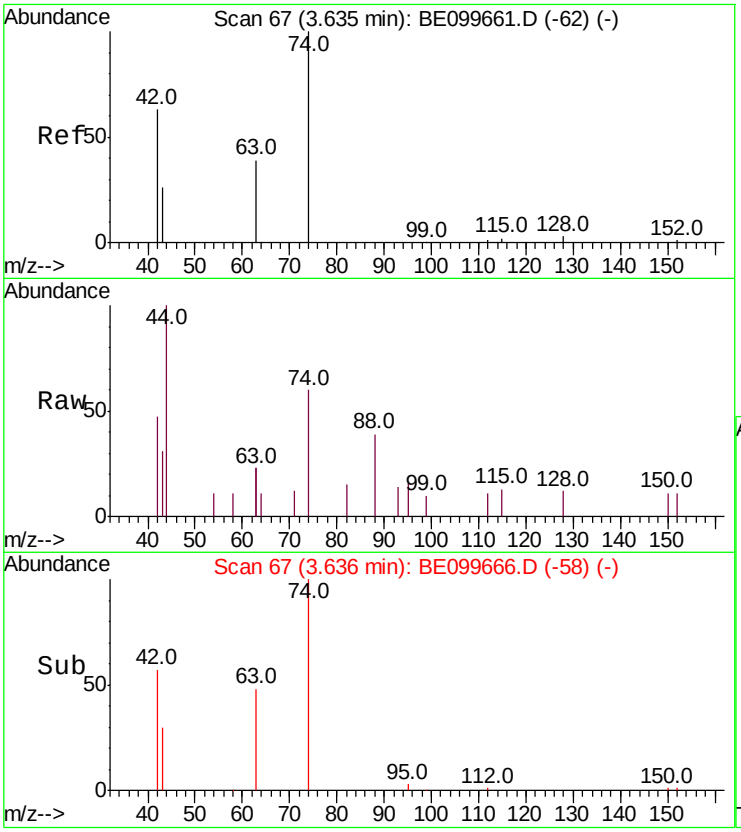


#2
1,4-Dioxane
Concen: 0.358 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion: 88 Resp: 990

Ion	Ratio	Lower	Upper
88	100		
58	56.8	41.8	62.8
43	18.9	15.0	22.4



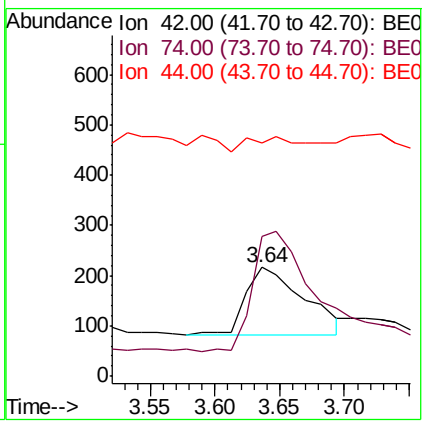


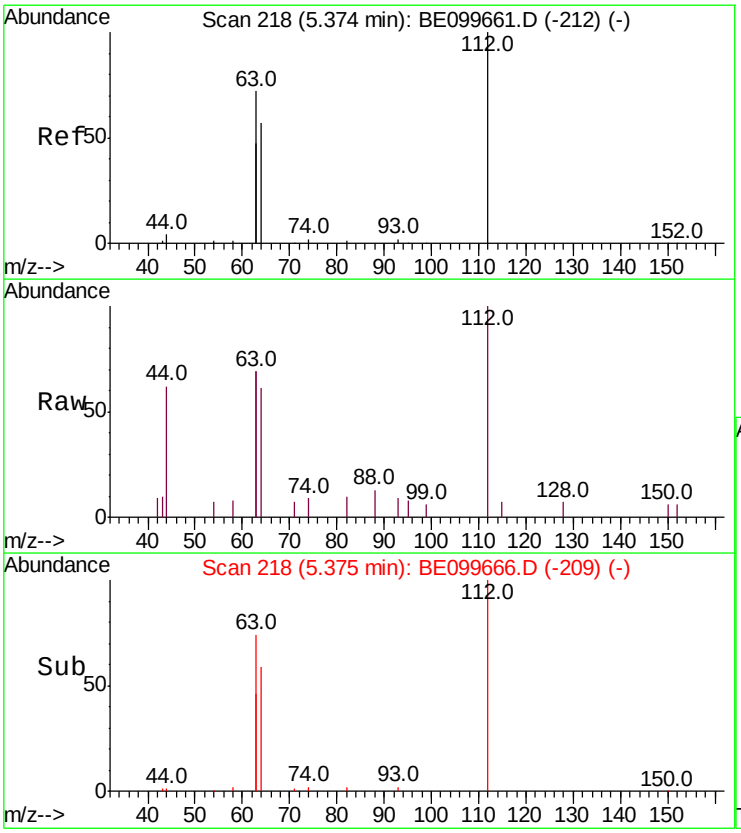
#3
n-Nitrosodimethylamine
Concen: 0.269 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion: 42 Resp: 411

Ion	Ratio	Lower	Upper
42	100		
74	177.6	129.2	193.8
44	18.5	0.0	0.0#

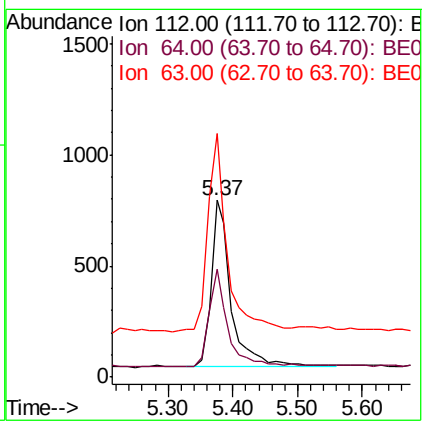


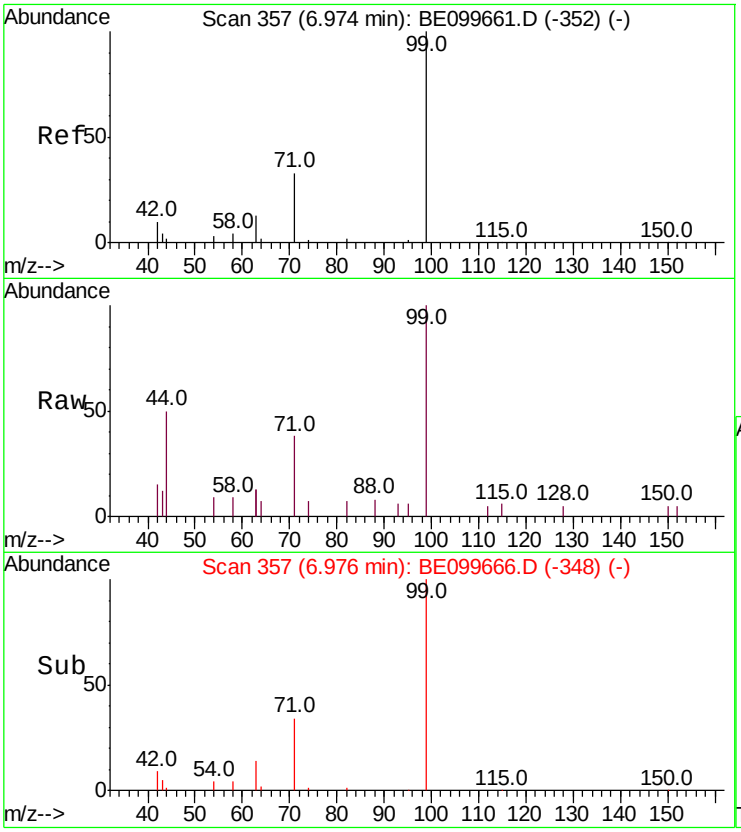


#4
2-Fluorophenol
Concen: 0.343 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:112 Resp: 1617

Ion	Ratio	Lower	Upper
112	100		
64	57.0	43.4	65.2
63	116.0	96.9	145.3



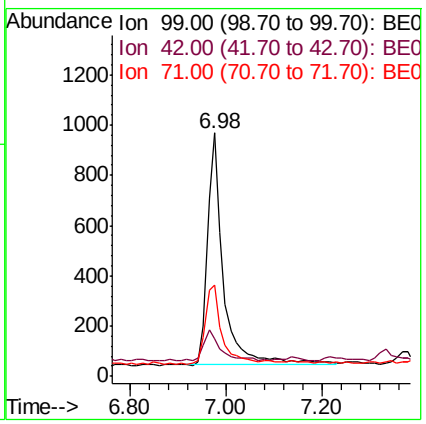


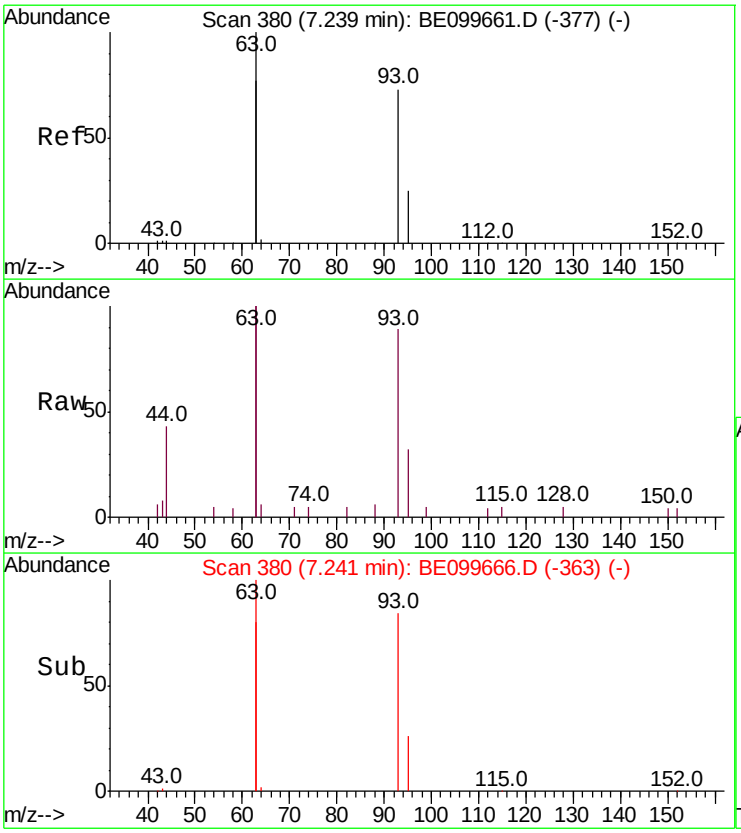
#5
Phenol-d6
Concen: 0.348 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion: 99 Resp: 2173

Ion	Ratio	Lower	Upper
99	100		
42	13.6	12.2	18.2
71	34.4	28.9	43.3

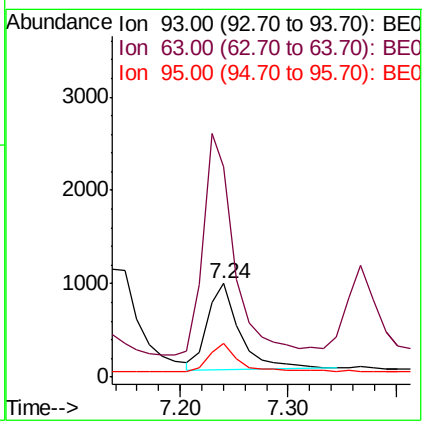


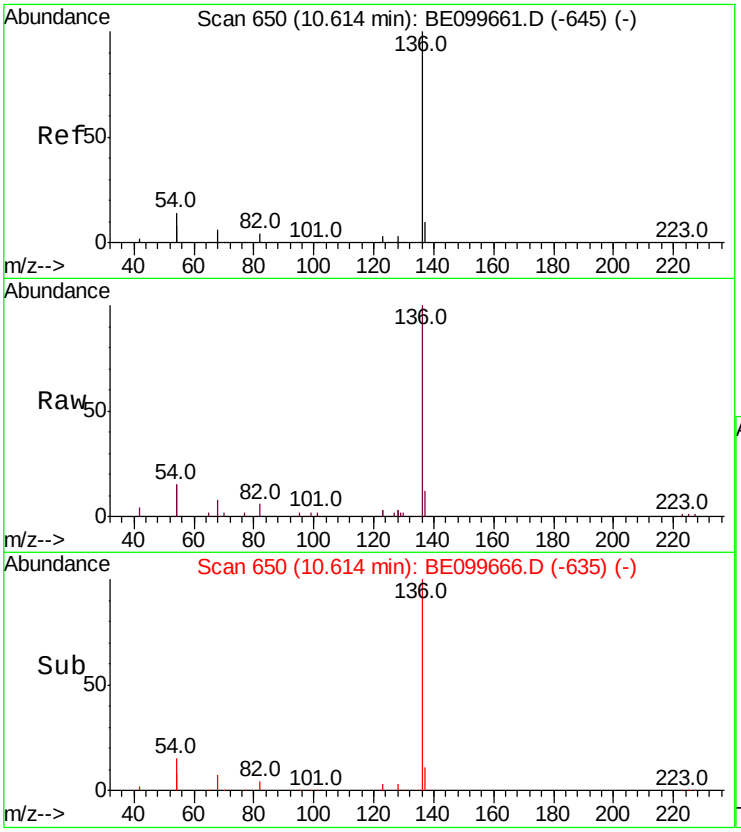


#6
bis(2-Chloroethyl)ether
Concen: 0.348 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion: 93 Resp: 1933

Ion	Ratio	Lower	Upper
93	100		
63	247.2	207.8	311.6
95	31.3	25.9	38.9



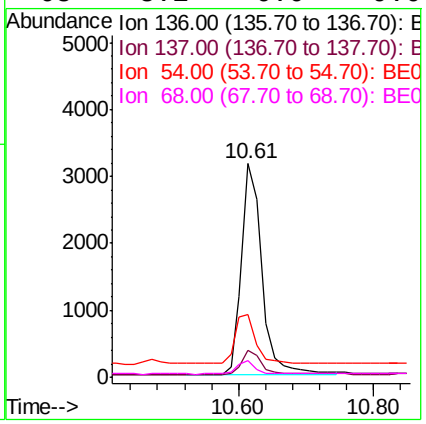


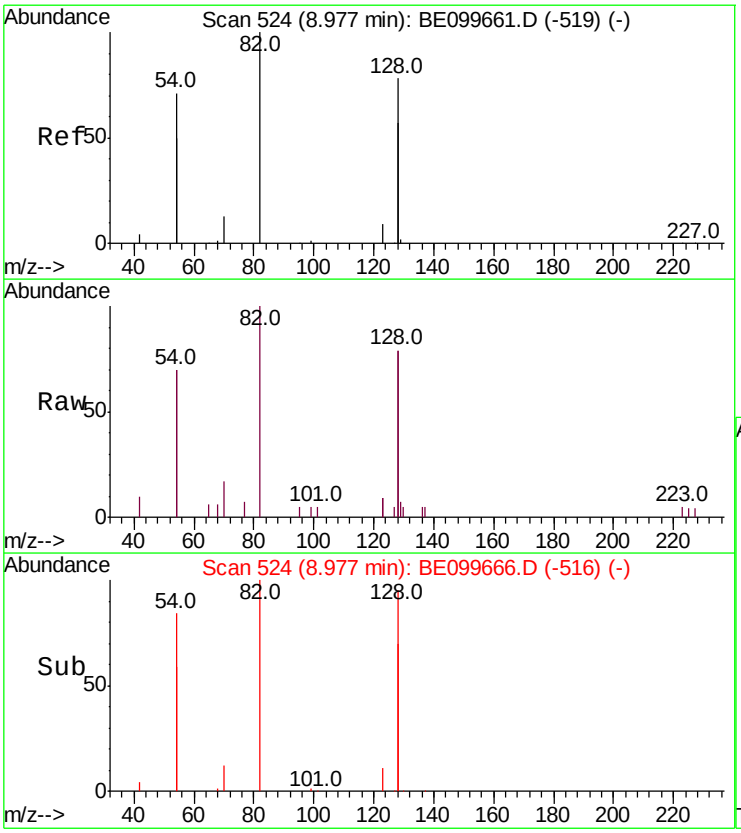
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:136 Resp: 6576

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.0	13.6
54	29.3	22.3	33.5
68	8.1	6.0	9.0

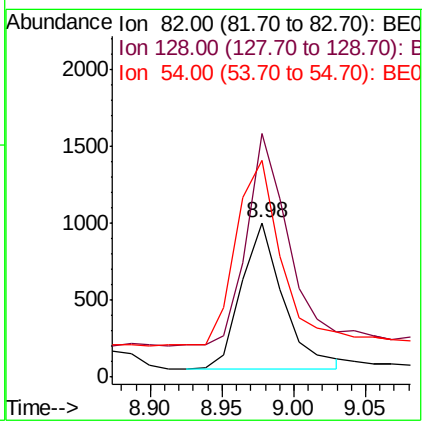


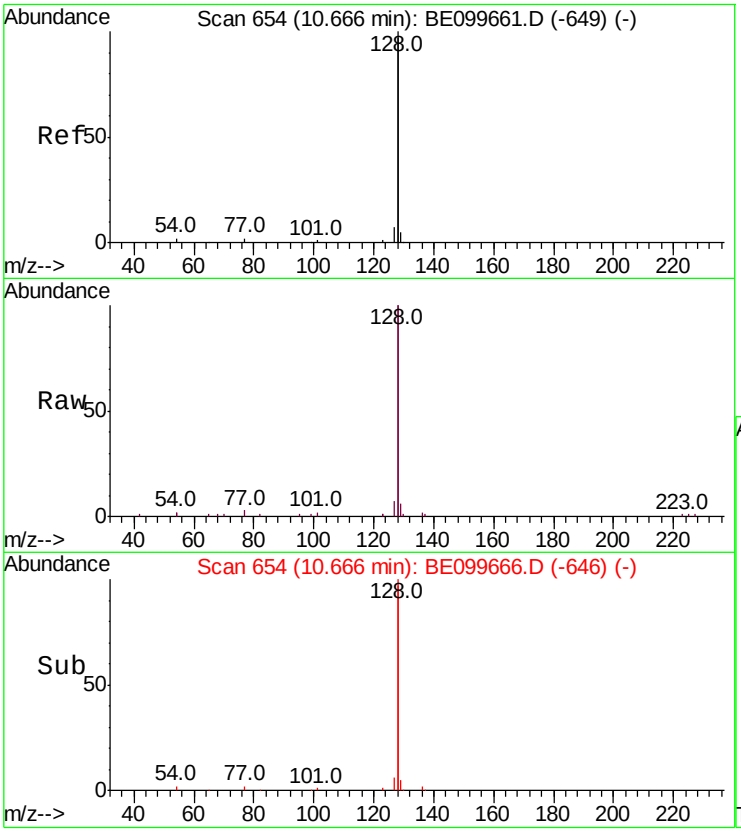


#8
Nitrobenzene-d5
Concen: 0.340 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion: 82 Resp: 1935

Ion	Ratio	Lower	Upper
82	100		
128	157.8	117.7	176.5
54	140.7	106.6	160.0



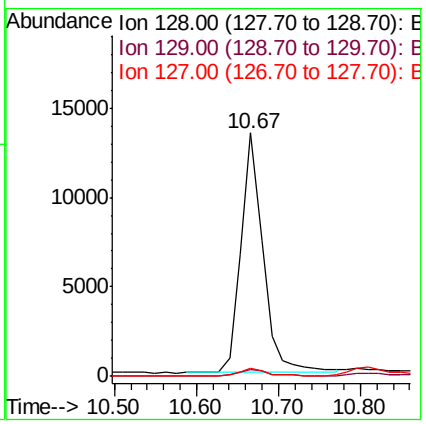


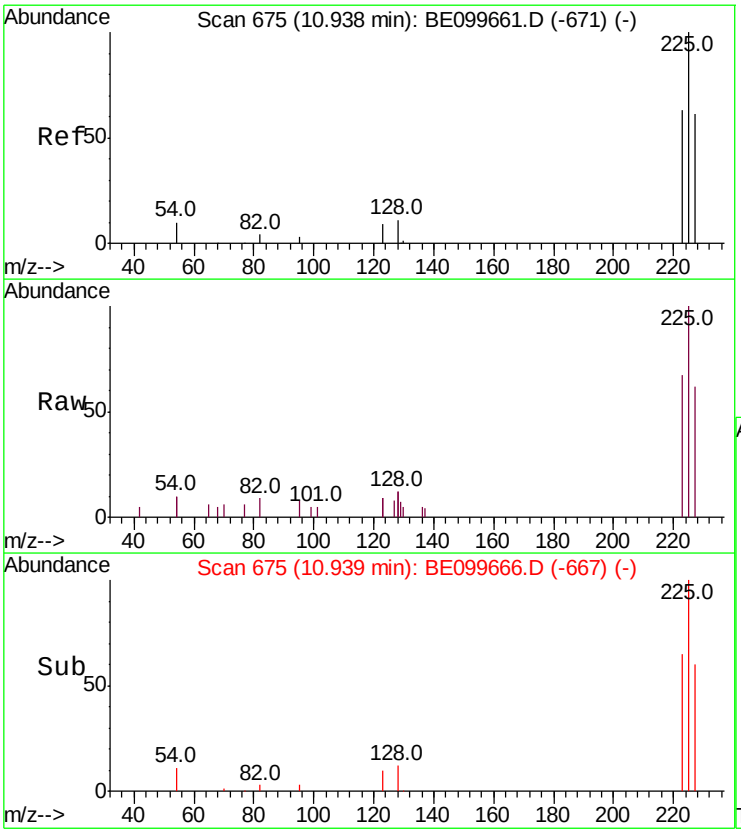
#9
Naphthalene
Concen: 0.358 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:128 Resp: 25188

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.5	2.9	4.3

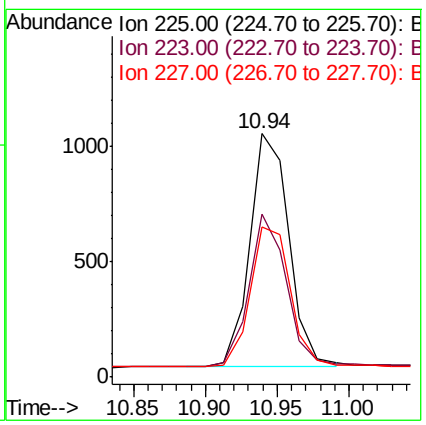


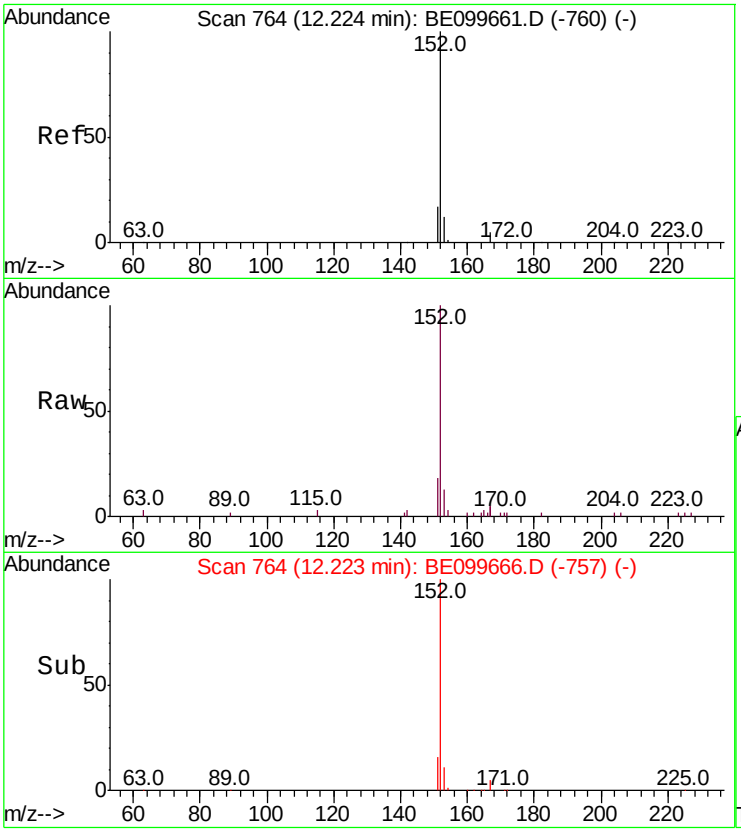


#10
Hexachlorobutadiene
Concen: 0.368 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:225 Resp: 1905

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.8	77.6
227	61.9	52.6	79.0



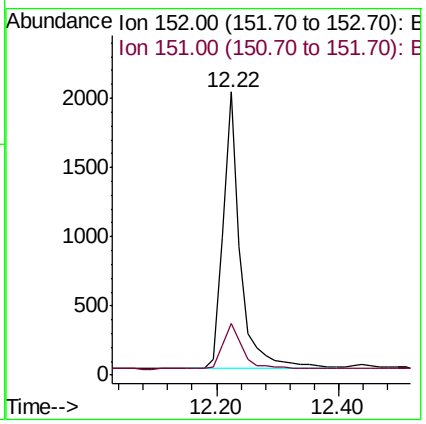


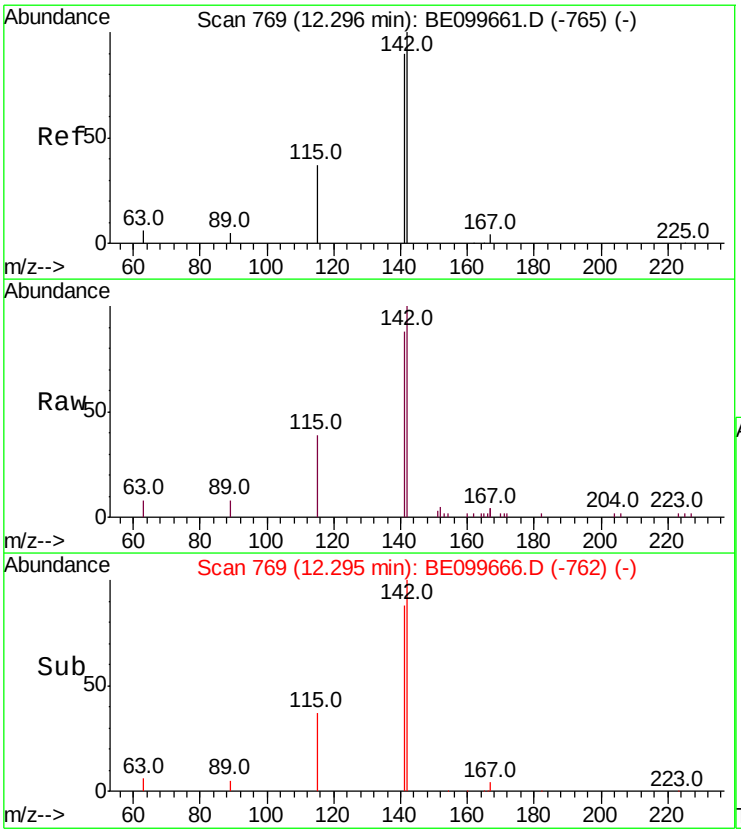
#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:152 Resp: 4038

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.0	22.4

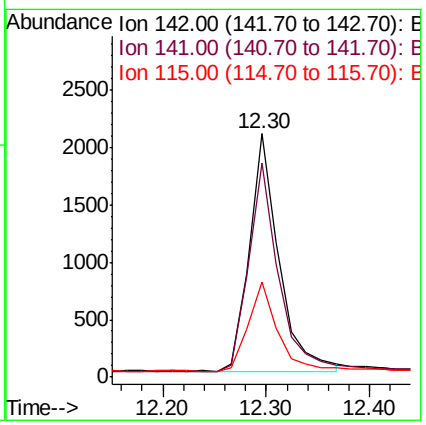


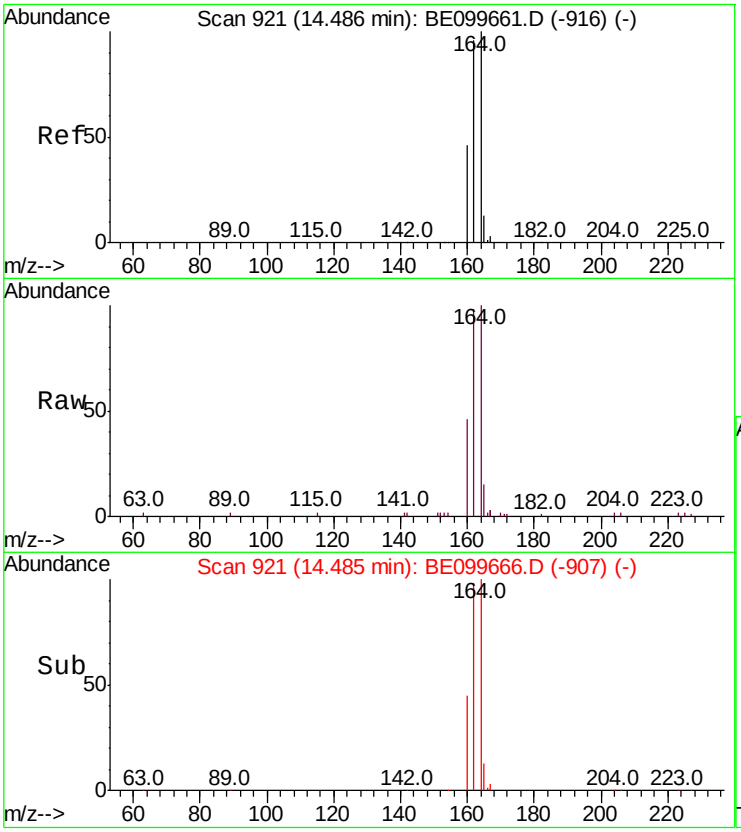


#12
2-Methylnaphthalene
Concen: 0.358 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:142 Resp: 4101

Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.0	108.0
115	38.9	31.0	46.4



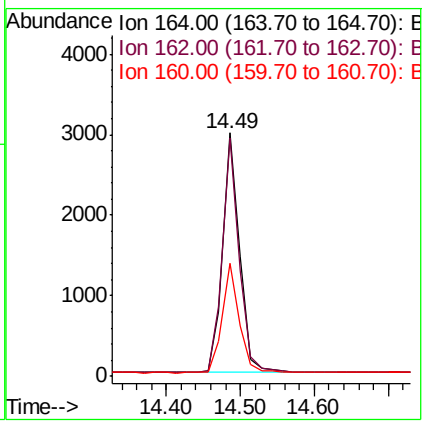


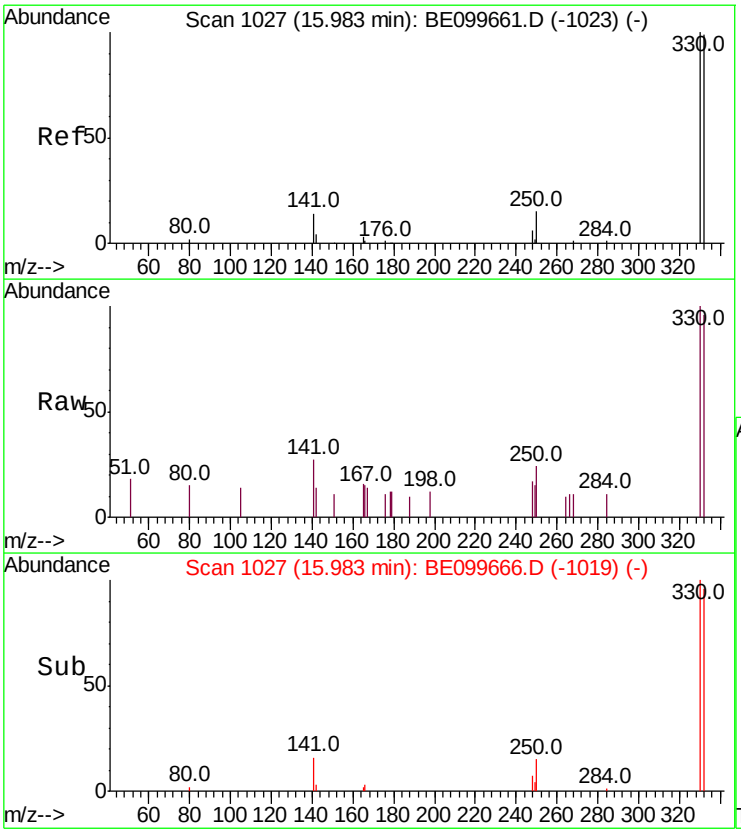
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:164 Resp: 4778

Ion	Ratio	Lower	Upper
164	100		
162	98.0	76.5	114.7
160	46.3	37.4	56.2

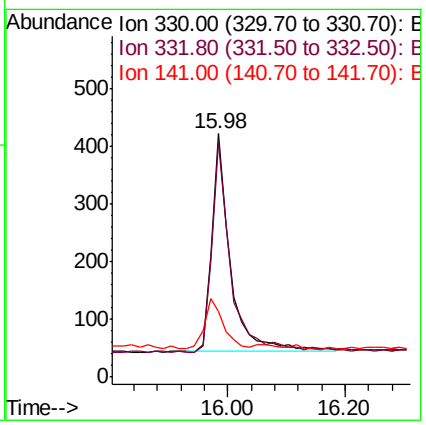


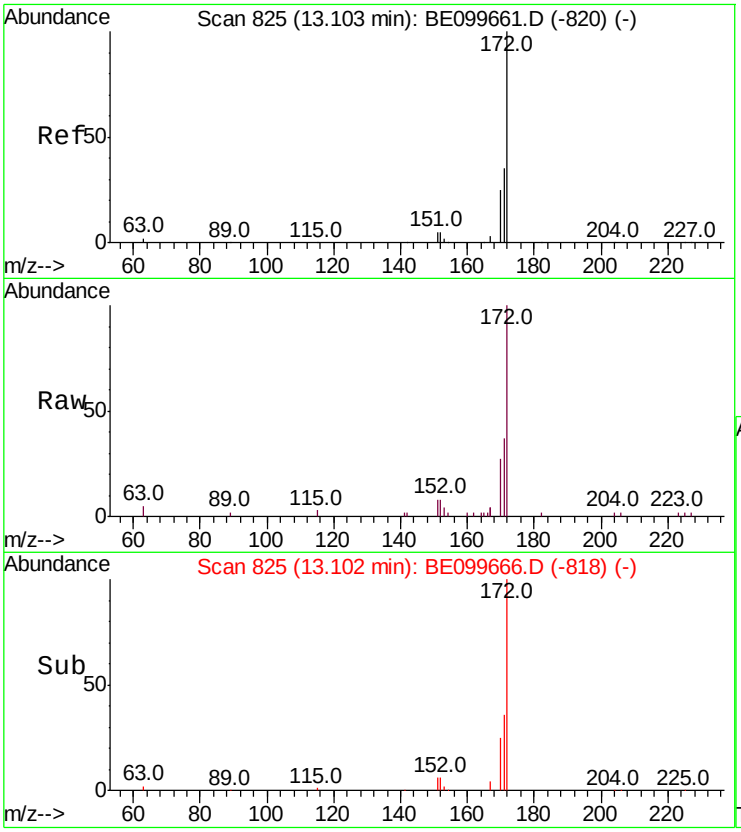


#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:330 Resp: 846

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	22.9	18.9	28.3



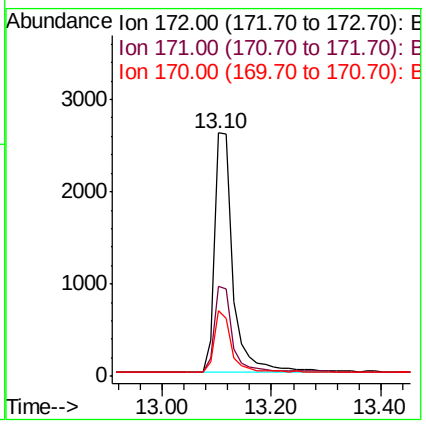


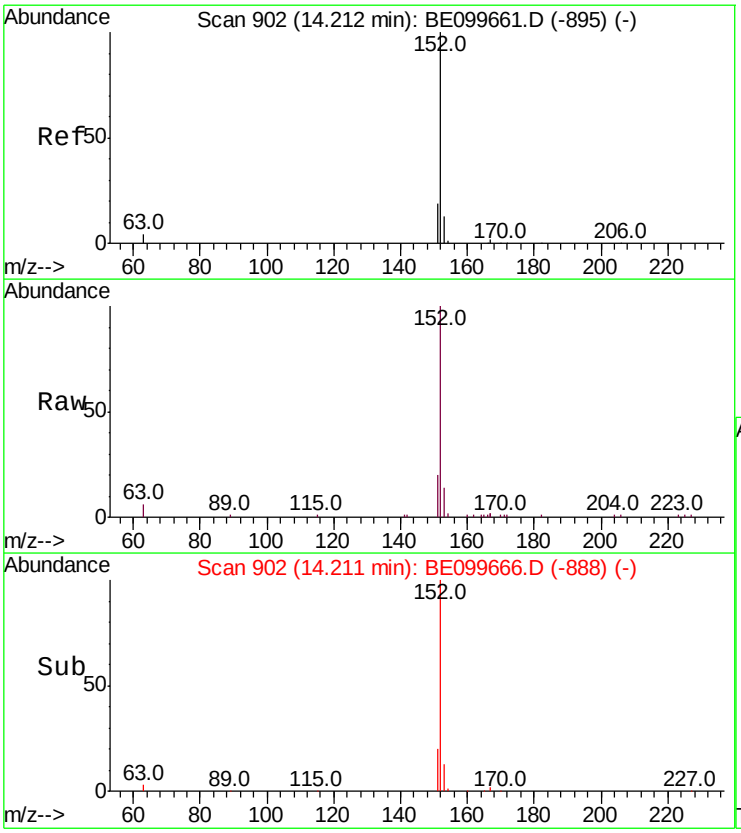
#15
2-Fluorobiphenyl
Concen: 0.344 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:172 Resp: 6241

Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.7	43.1
170	26.8	20.9	31.3

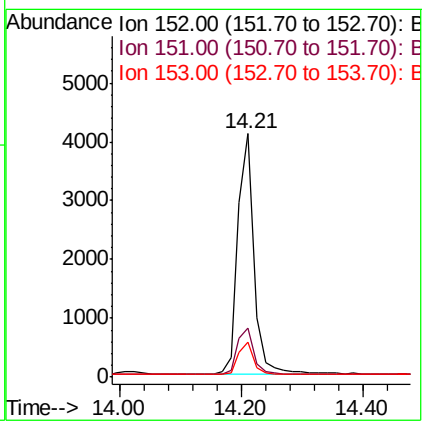


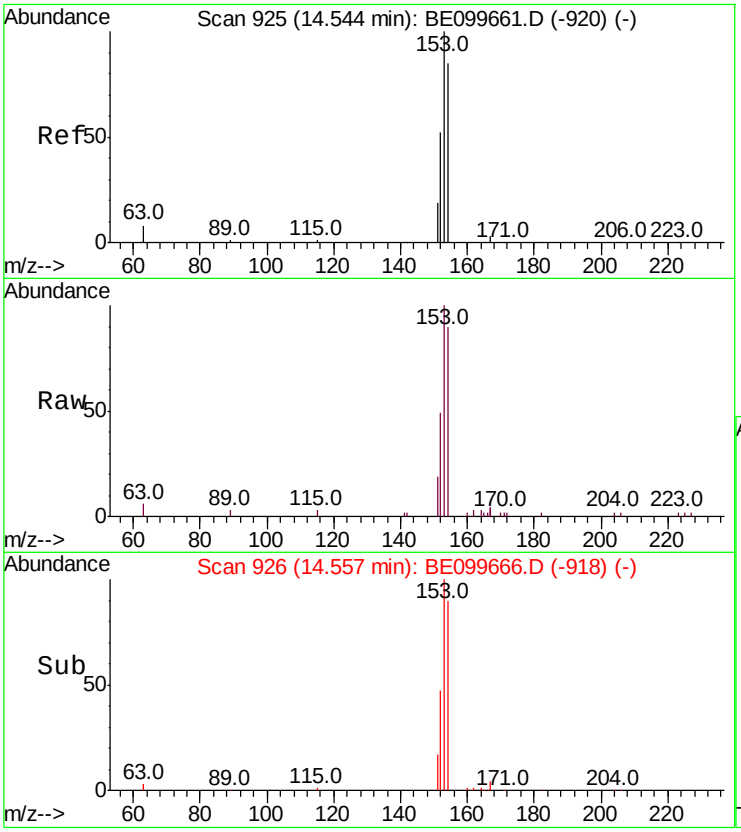


#16
Acenaphthylene
Concen: 0.344 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:152 Resp: 7654

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	16.0



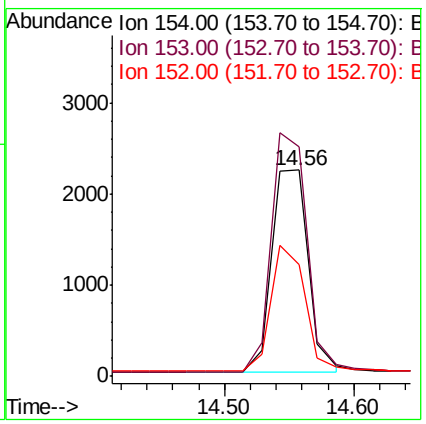


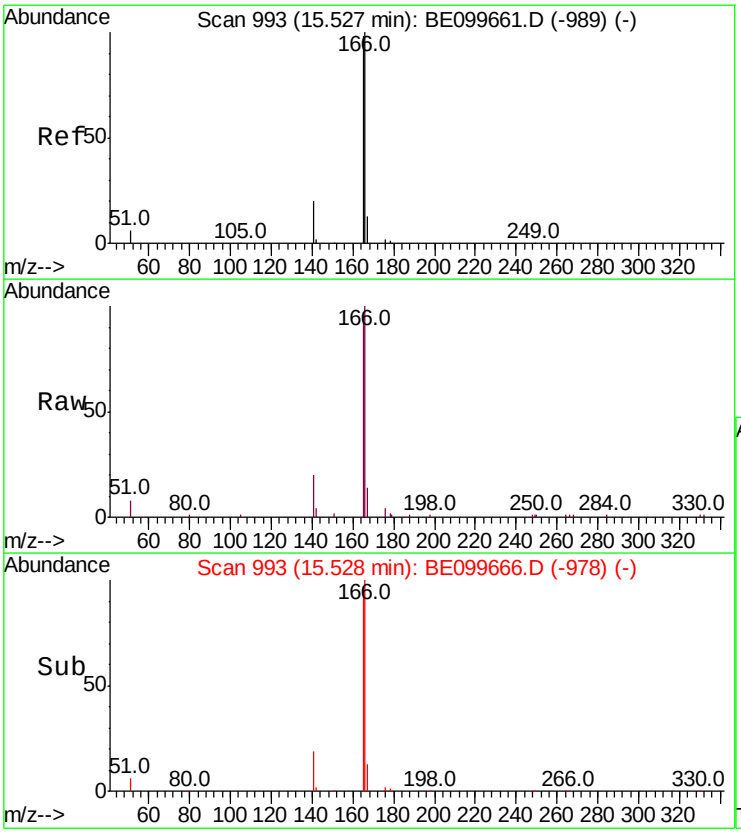
#17
Acenaphthene
Concen: 0.347 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:154 Resp: 4338

Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.8	137.6
152	58.5	46.0	69.0

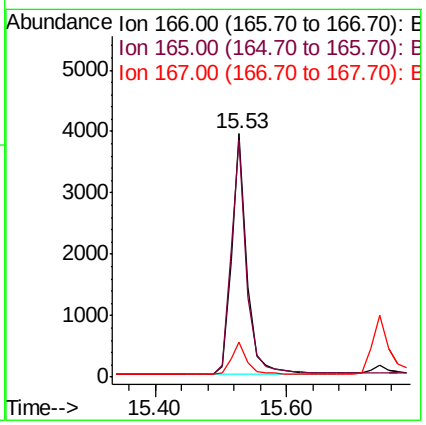


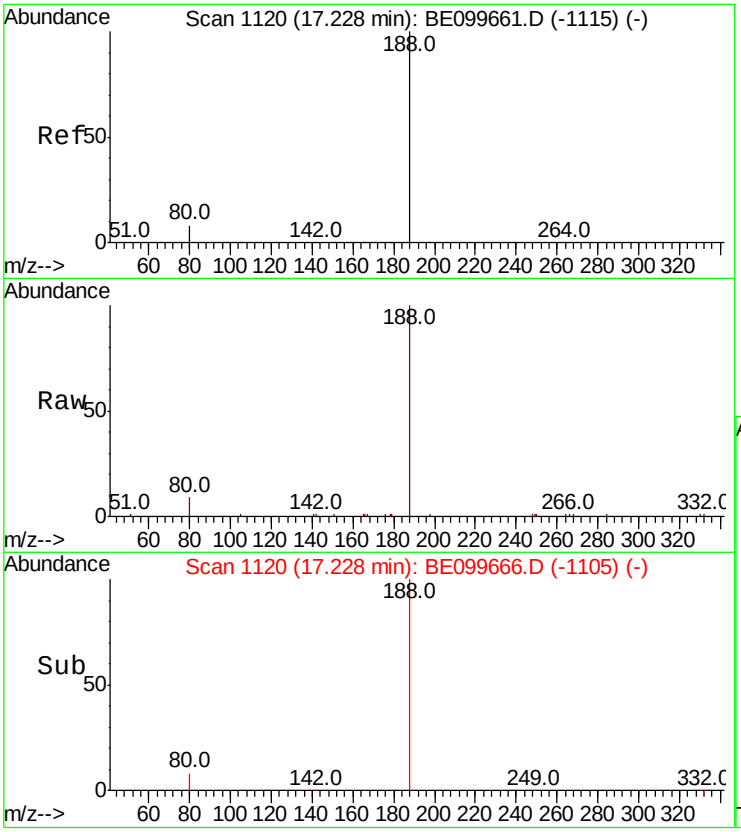


#18
Fluorene
Concen: 0.351 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:166 Resp: 6467

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.3	120.5
167	13.9	10.6	16.0



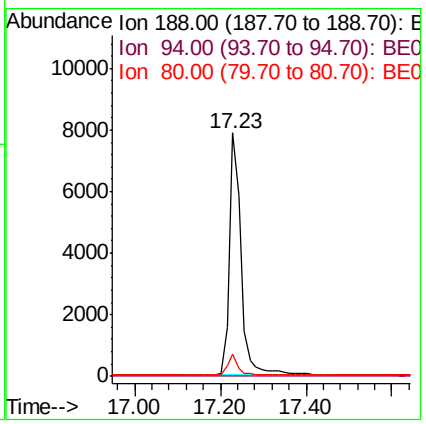


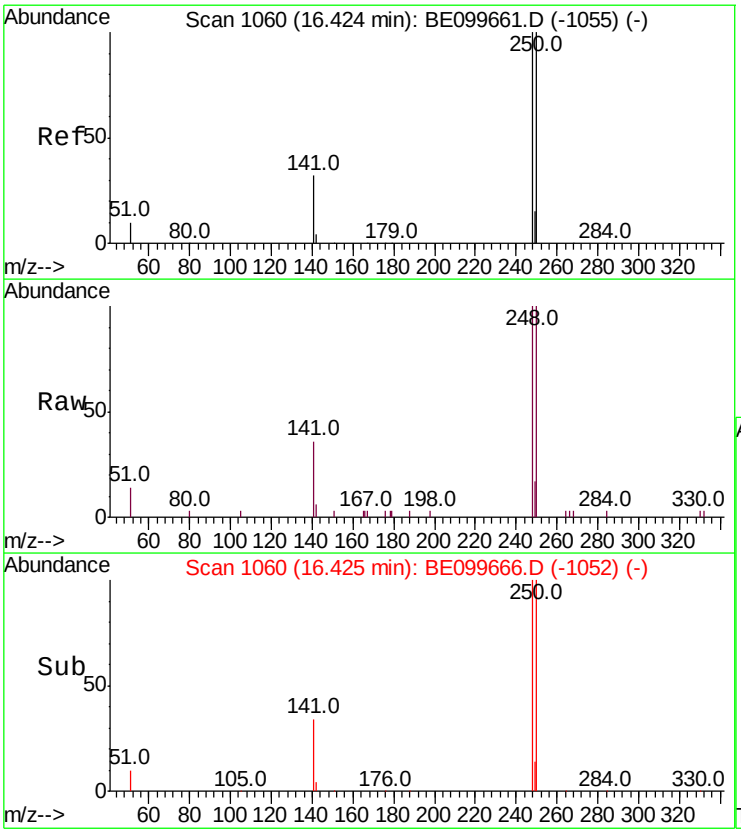
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:188 Resp: 14826

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	6.7	10.1

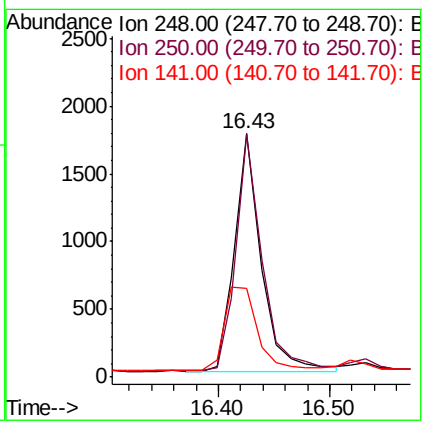


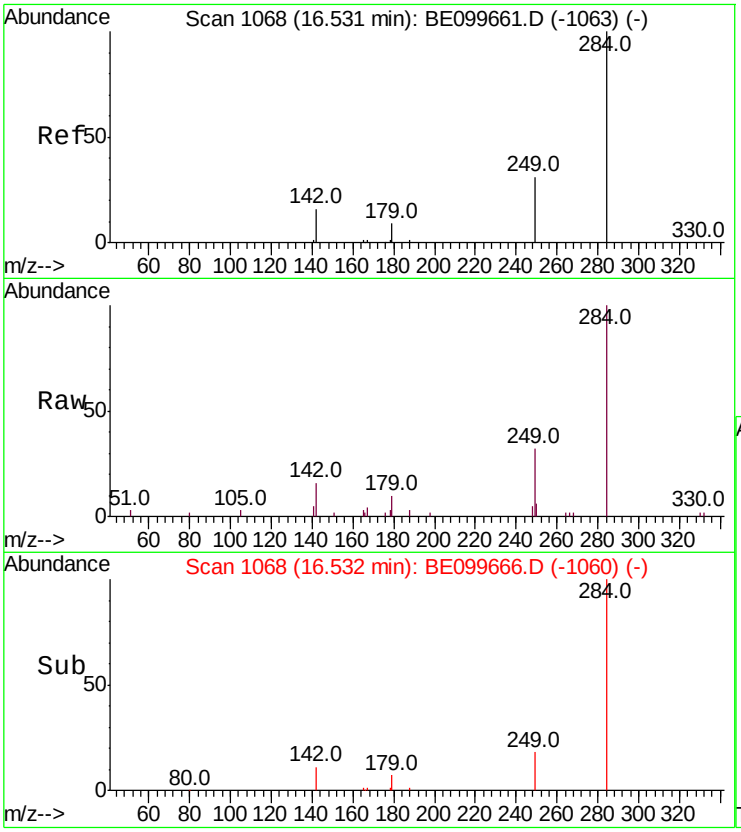


#20
4-Bromophenyl-phenylether
Concen: 0.341 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:248 Resp: 2911

Ion	Ratio	Lower	Upper
248	100		
250	99.7	79.8	119.8
141	36.3	27.0	40.6



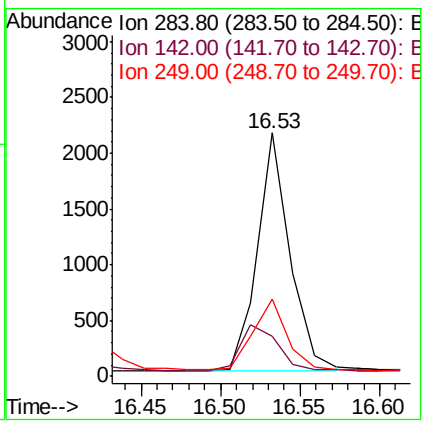


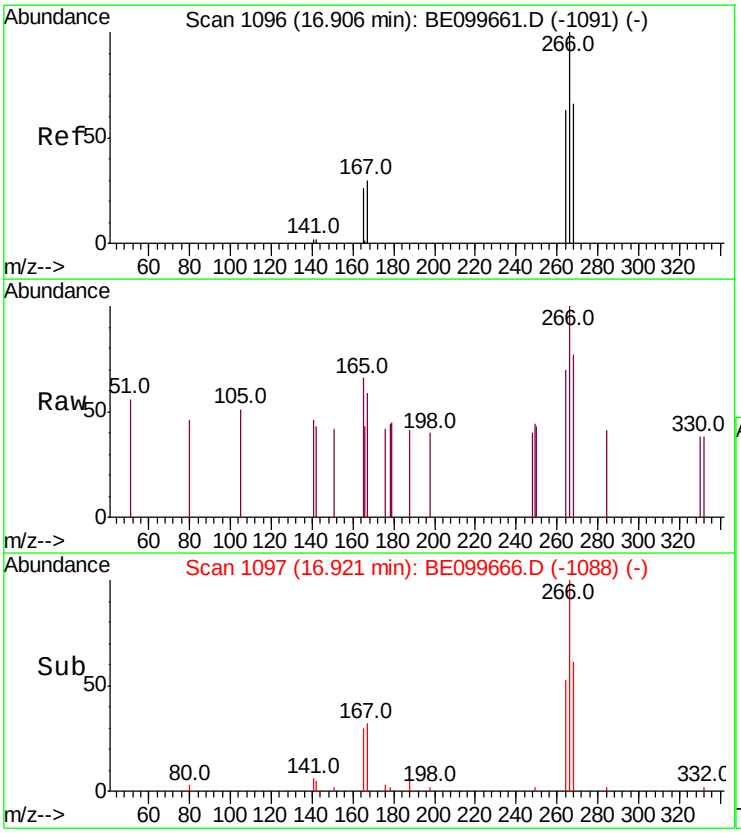
#21
Hexachlorobenzene
Concen: 0.351 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:284 Resp: 3070

Ion	Ratio	Lower	Upper
284	100		
142	21.9	17.8	26.6
249	30.7	24.8	37.2

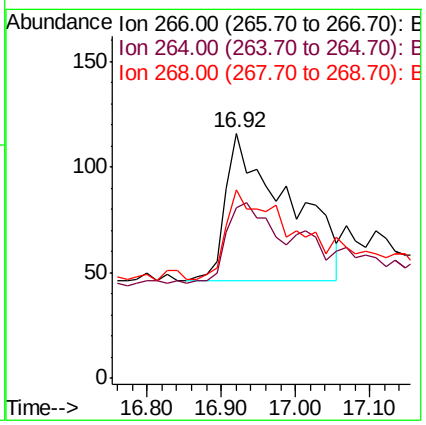


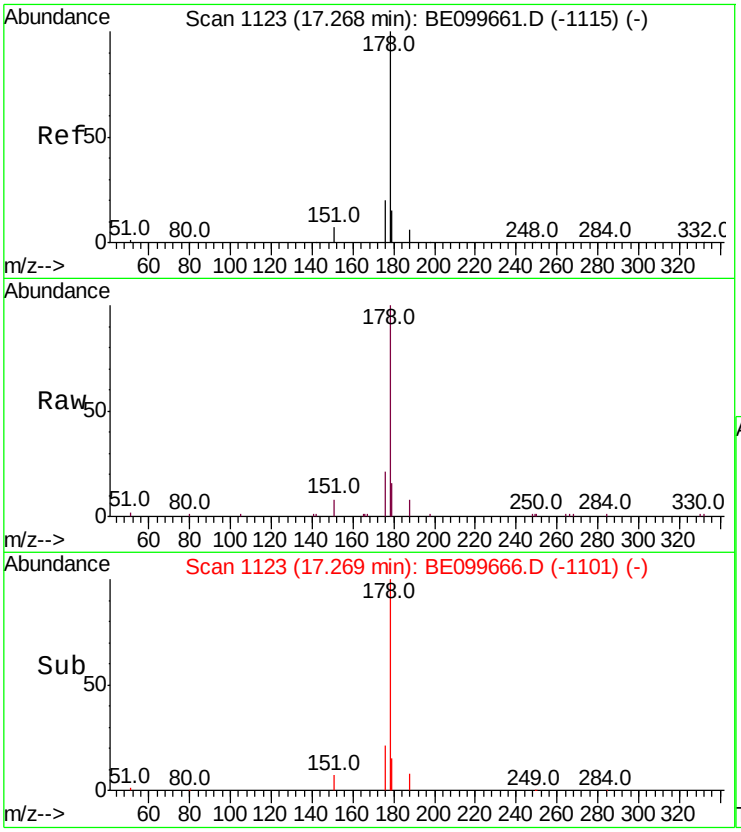


#22
Pentachlorophenol
Concen: 0.335 ng
RT: 16.92 min Scan# 1097
Delta R.T. 0.01 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:266 Resp: 410

Ion	Ratio	Lower	Upper
266	100		
264	69.8	57.2	85.8
268	76.7	60.5	90.7



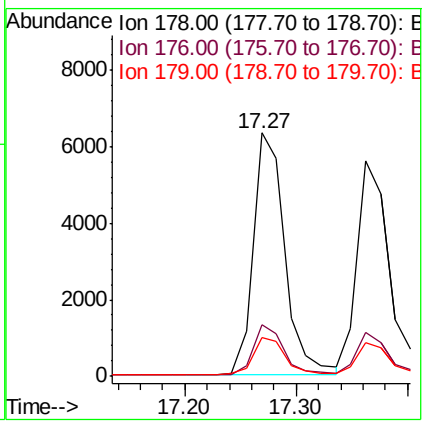


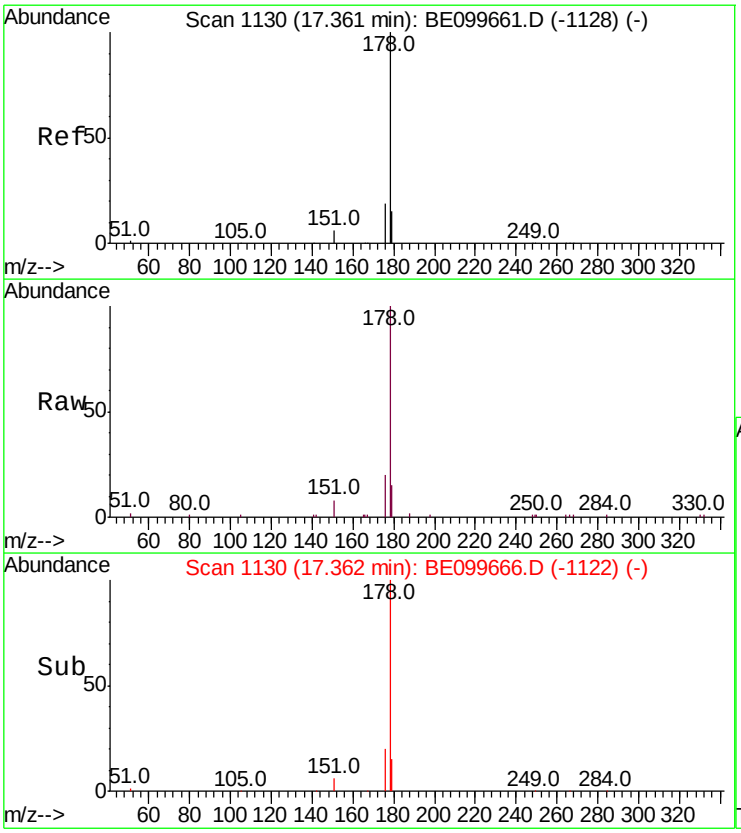
#23
Phenanthrene
Concen: 0.344 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:178 Resp: 12460

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.2	12.2	18.4

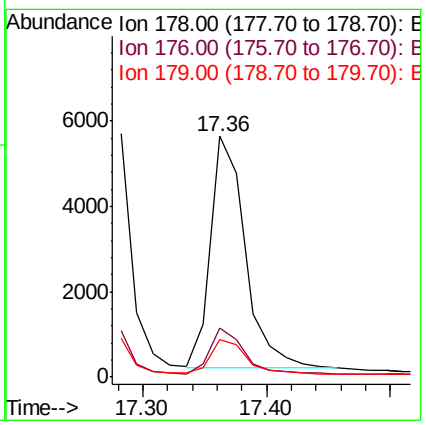


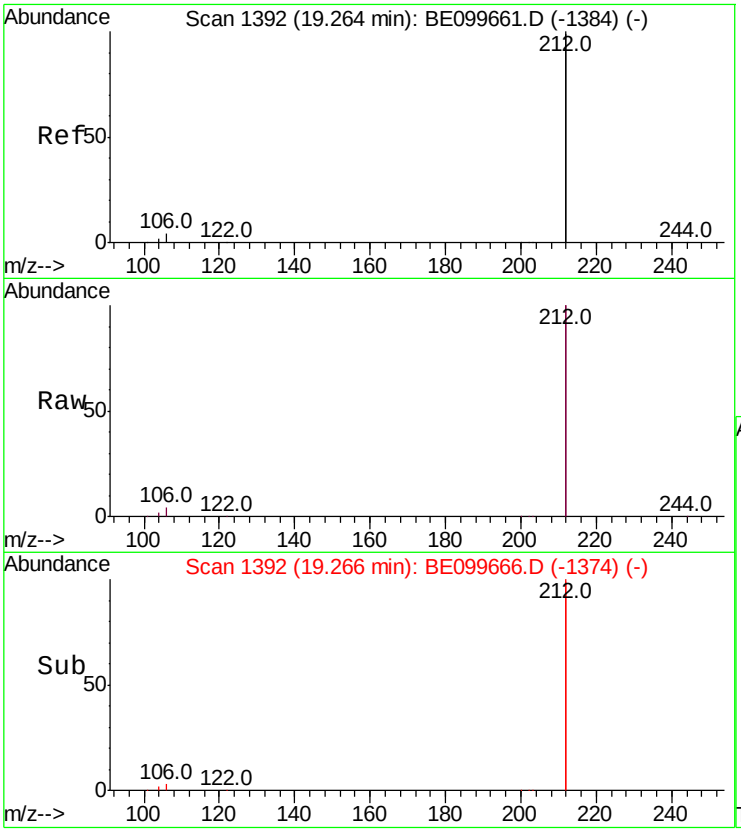


#24
Anthracene
Concen: 0.321 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:178 Resp: 10558

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.1	12.0	18.0



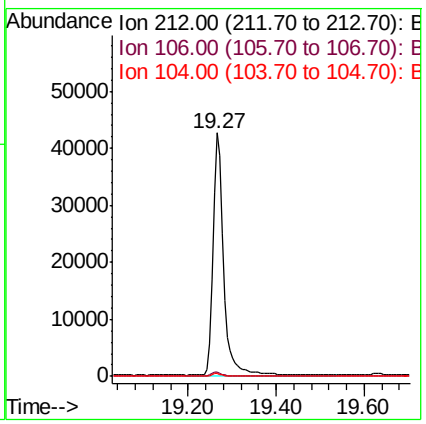


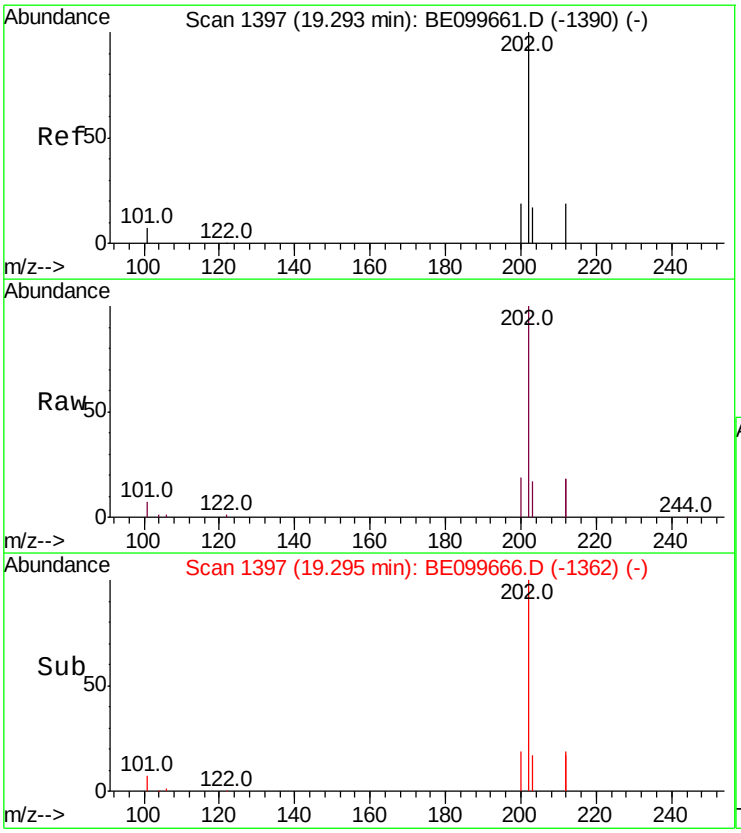
#25
Fluoranthene-d10
Concen: 0.345 ng
RT: 19.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:212 Resp: 69982

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

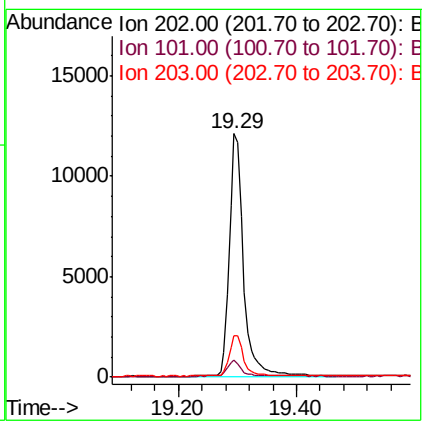


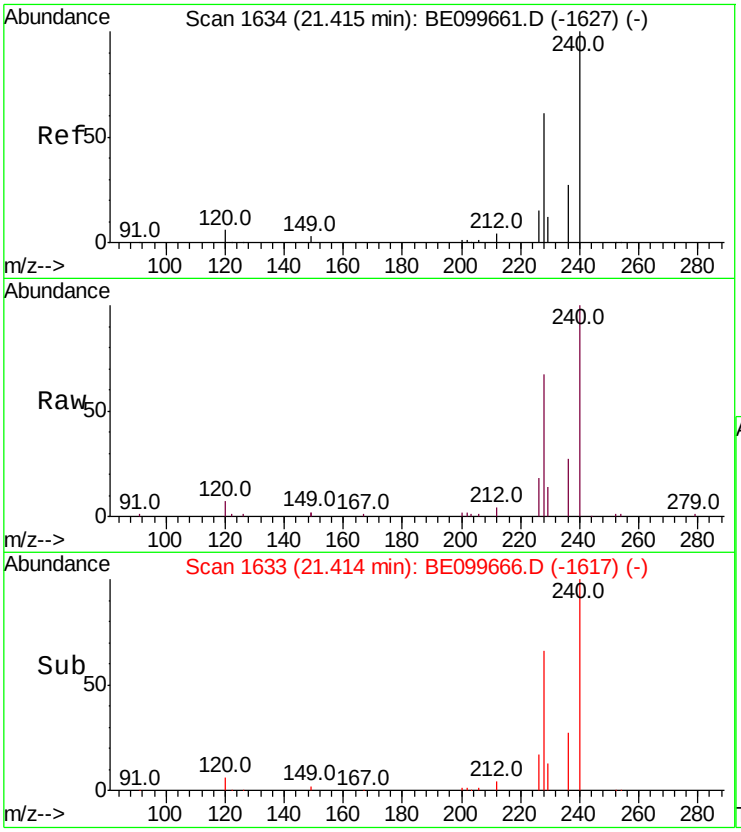


#26
Fluoranthene
Concen: 0.350 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:202 Resp: 20059

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	16.8	13.8	20.6



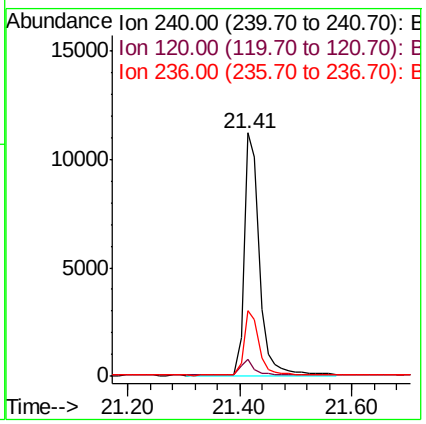


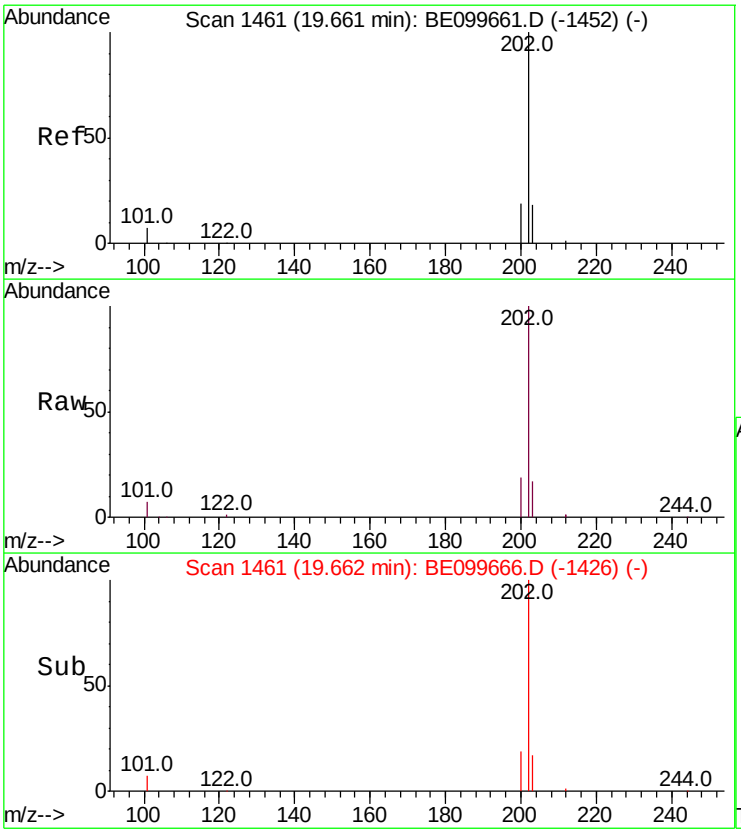
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:240 Resp: 20915

Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.4	8.0
236	27.0	21.7	32.5

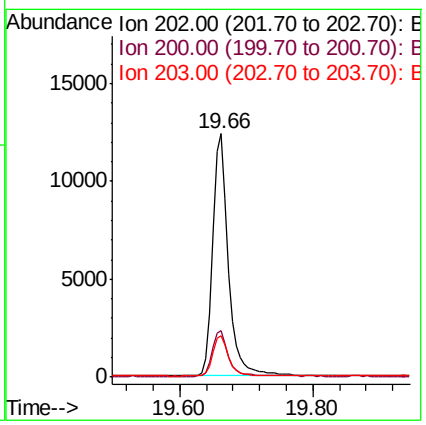


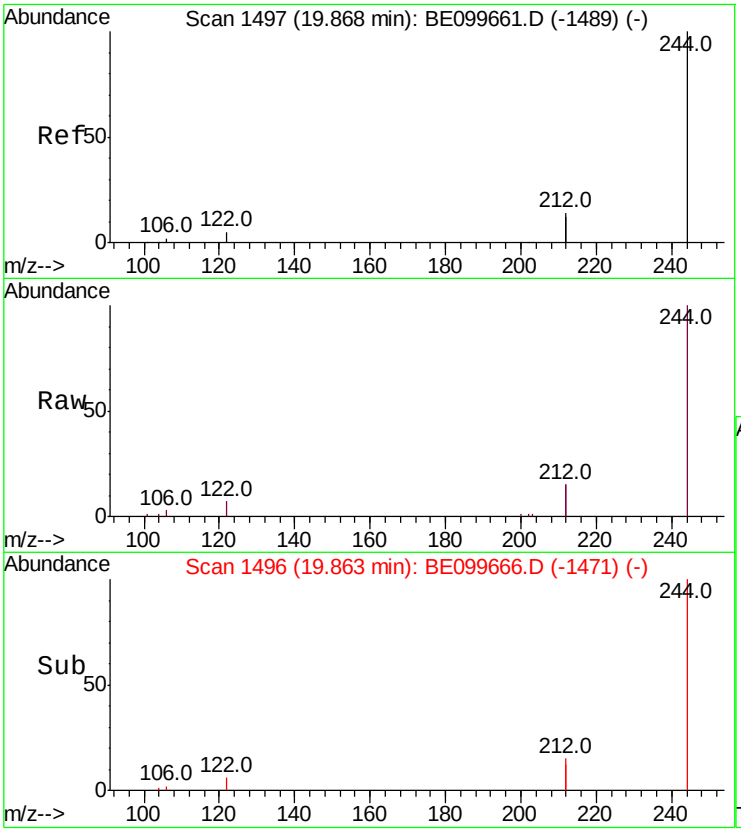


#28
Pyrene
Concen: 0.384 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:202 Resp: 20204

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.4	23.2
203	17.2	13.8	20.8



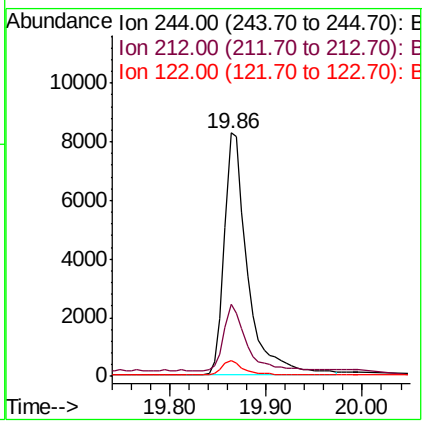


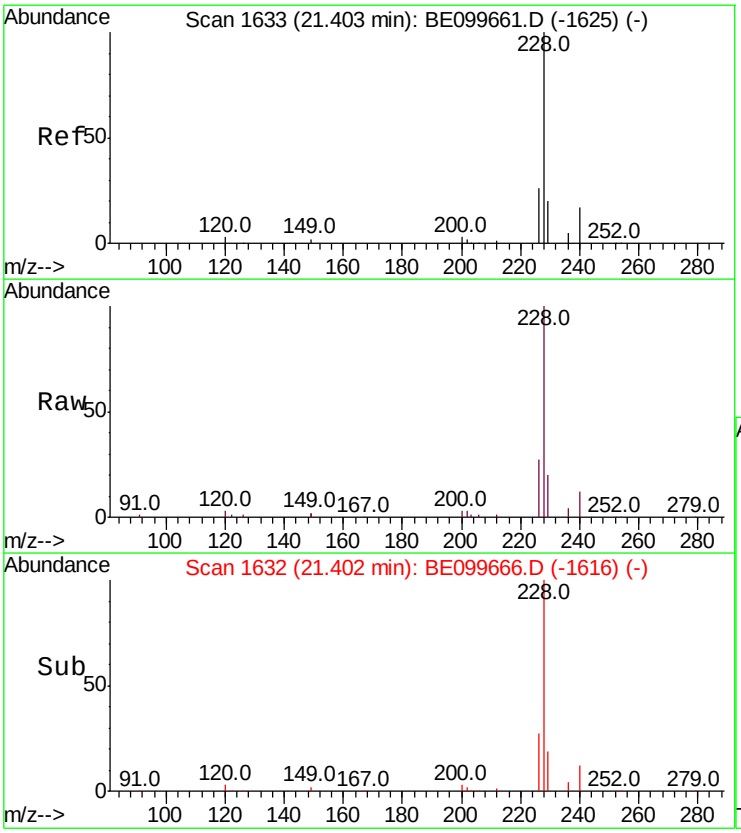
#29
Terphenyl-d14
Concen: 0.375 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:244 Resp: 14016

Ion	Ratio	Lower	Upper
244	100		
212	29.4	22.5	33.7
122	6.6	4.3	6.5#

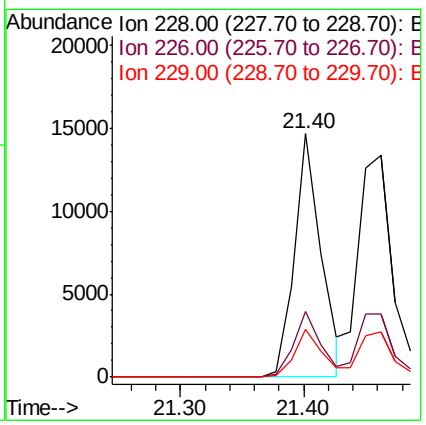


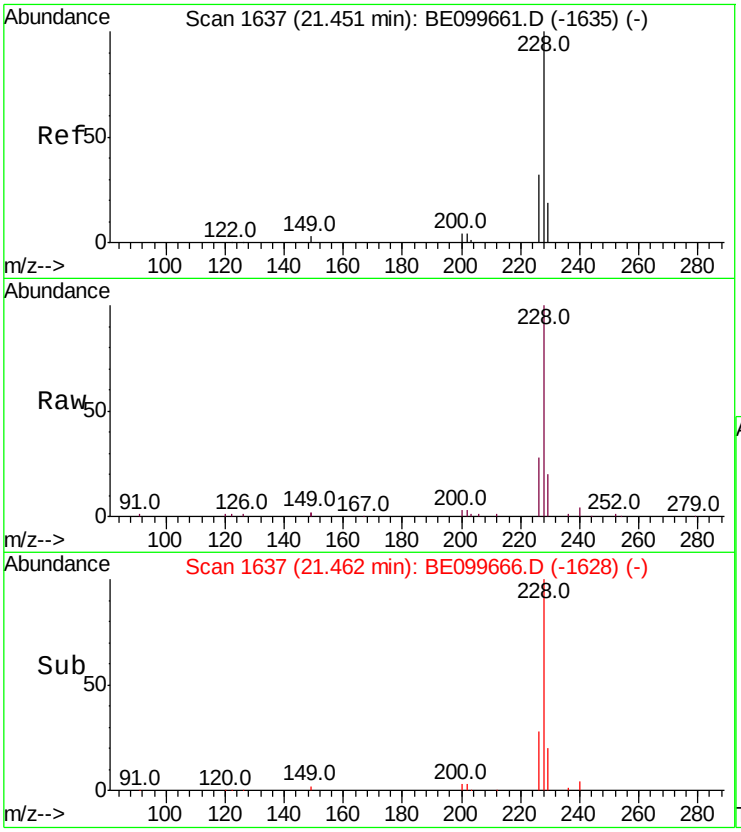


#30
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:228 Resp: 21842

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	19.8	16.1	24.1



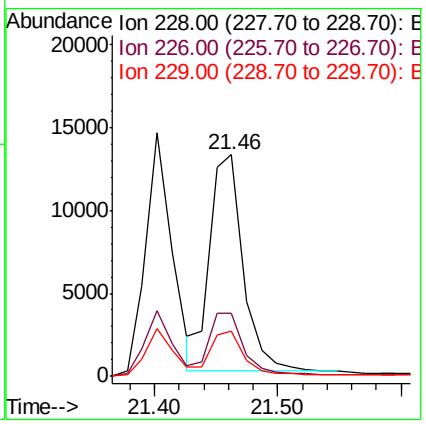


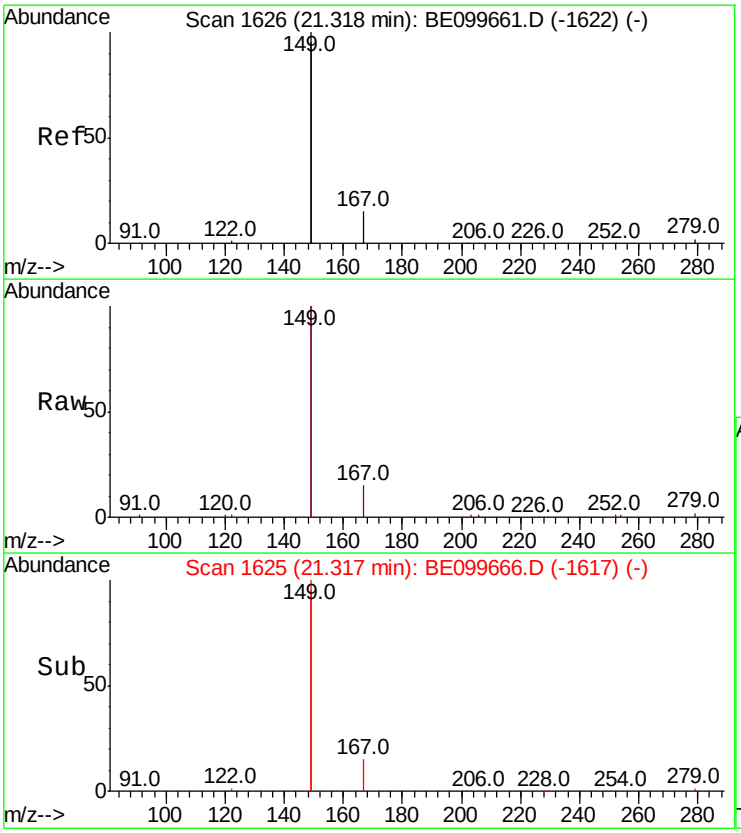
#31
Chrysene
Concen: 0.391 ng
RT: 21.46 min Scan# 1637
Delta R.T. 0.01 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:228 Resp: 24830

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.7	37.1
229	20.3	15.8	23.6

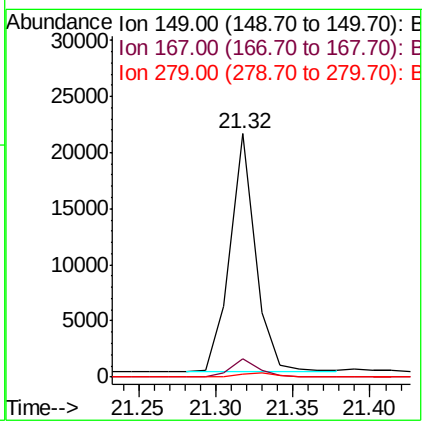


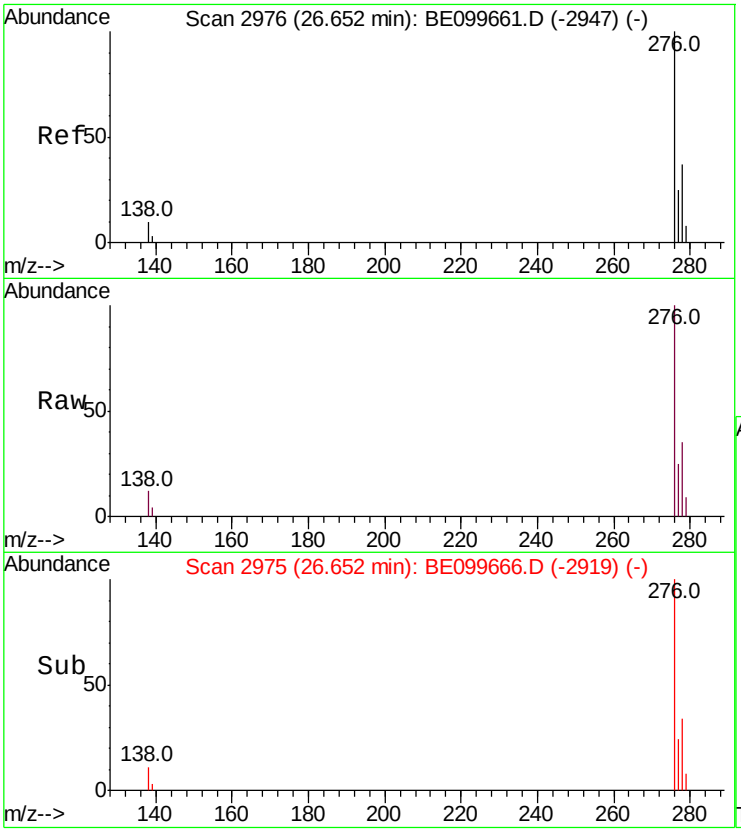


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.353 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:149 Resp: 24159

Ion	Ratio	Lower	Upper
149	100		
167	7.7	6.2	9.4
279	1.5	1.2	1.8



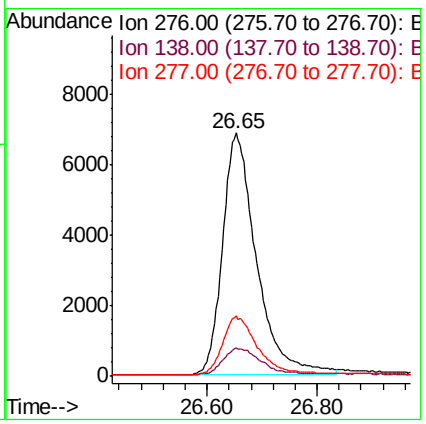


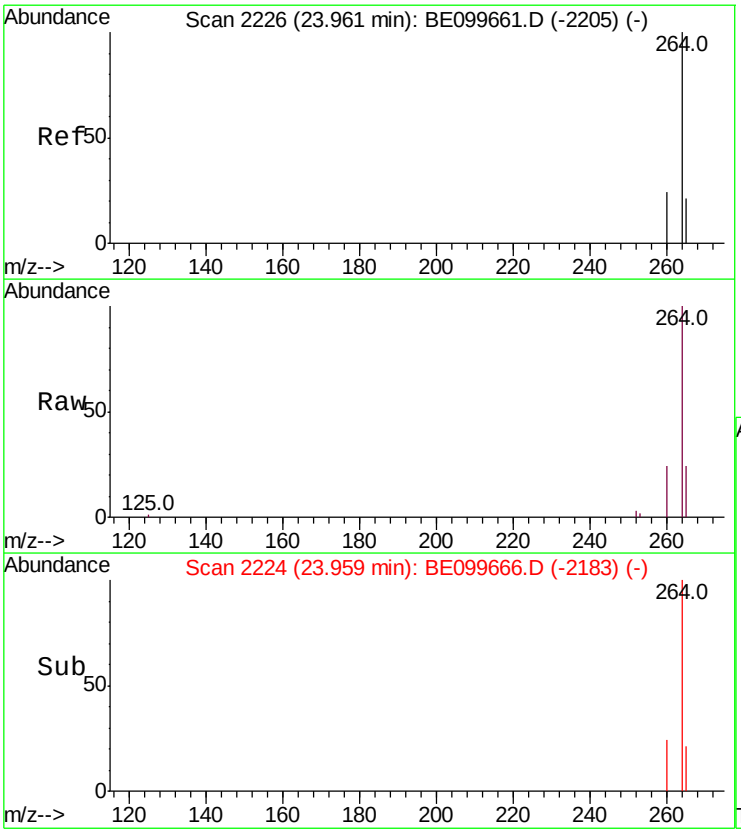
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 26.65 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:276 Resp: 29243

Ion	Ratio	Lower	Upper
276	100		
138	12.0	9.6	14.4
277	24.7	19.2	28.8

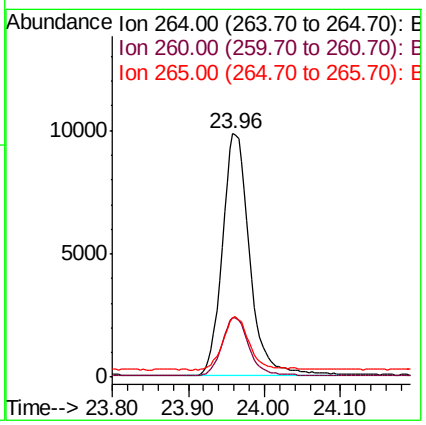


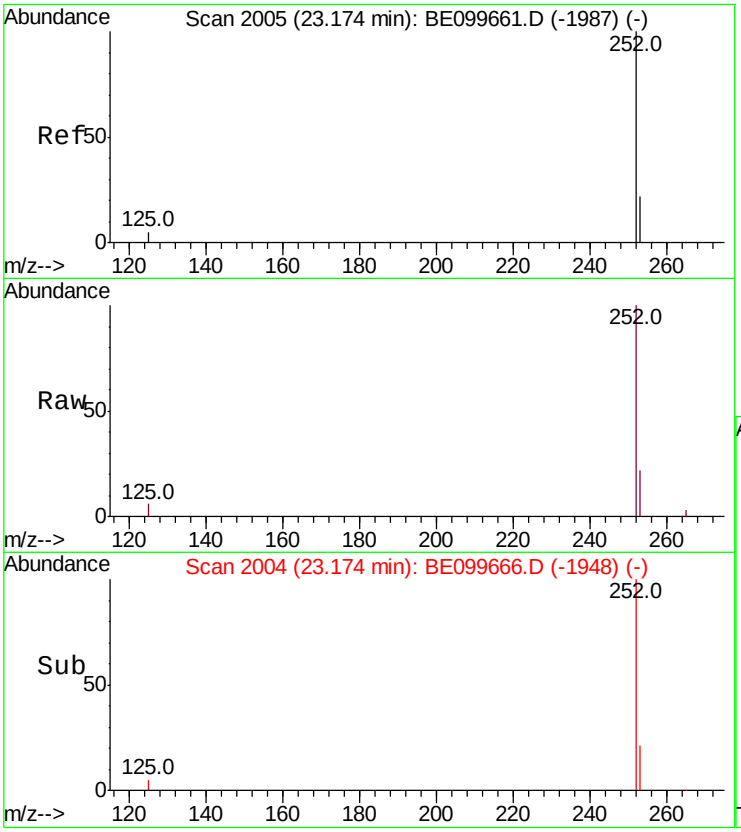


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:264 Resp: 24574

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	24.2	19.1	28.7



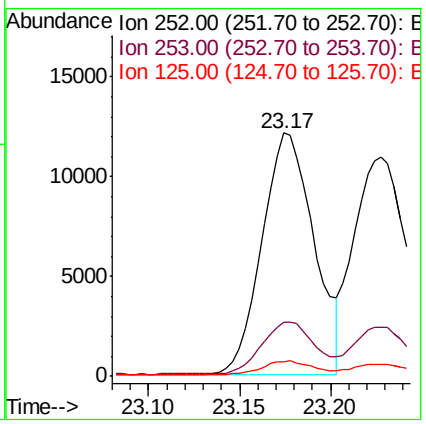


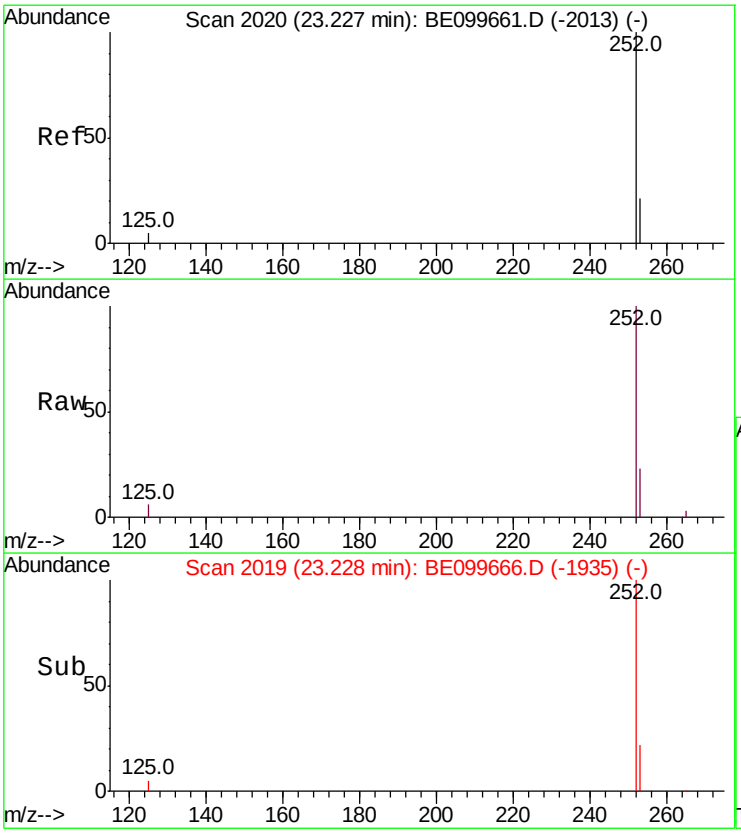
#35
Benzo(b)fluoranthene
Concen: 0.357 ng
RT: 23.17 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:252 Resp: 24040

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	5.9	4.5	6.7

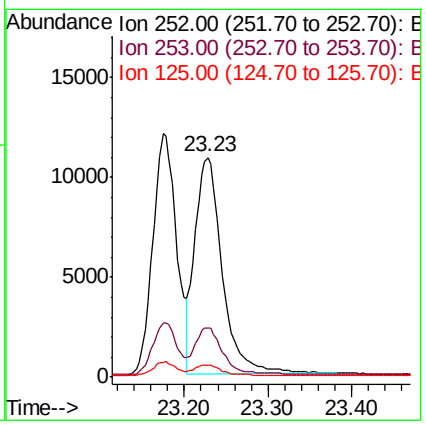


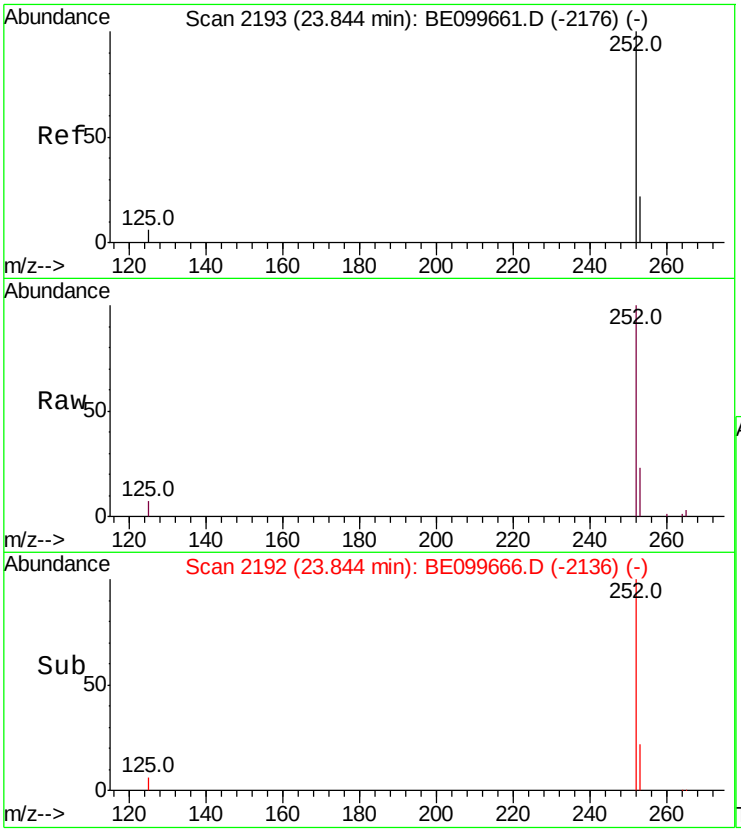


#36
Benzo(k)fluoranthene
Concen: 0.352 ng
RT: 23.23 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:252 Resp: 24738

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	5.7	4.6	6.8



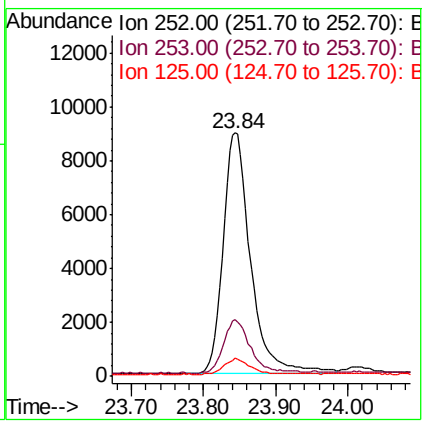


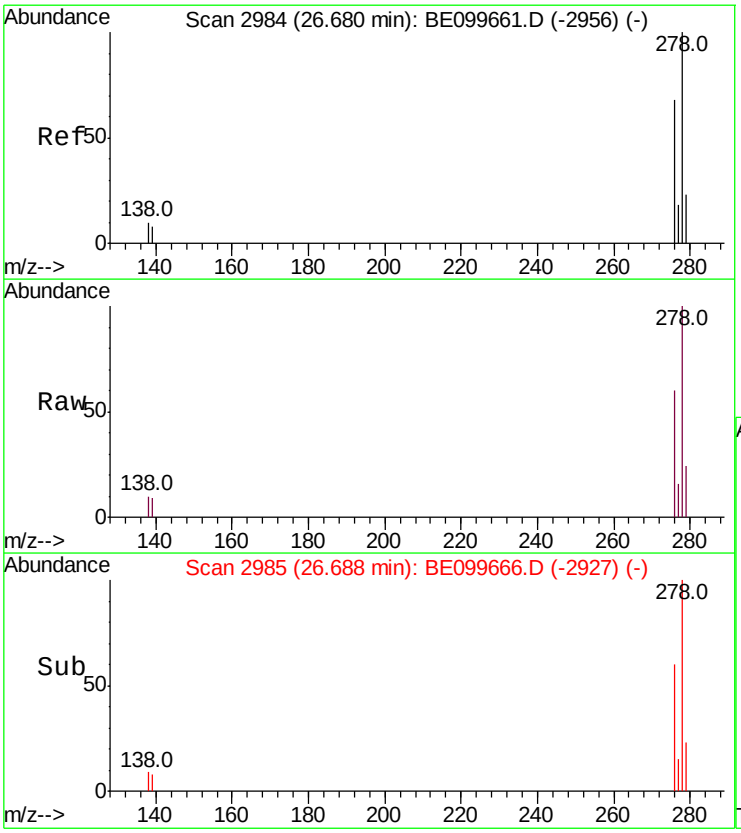
#37
Benzo(a)pyrene
Concen: 0.361 ng
RT: 23.84 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:252 Resp: 23385

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.9	28.3
125	7.3	5.4	8.0

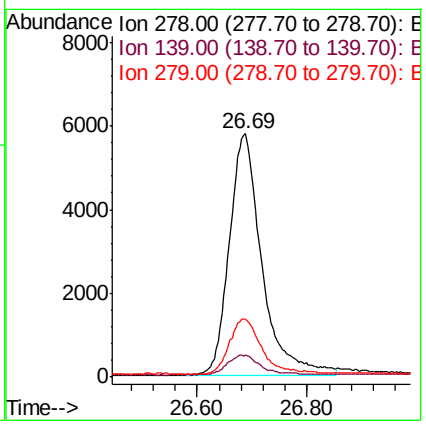


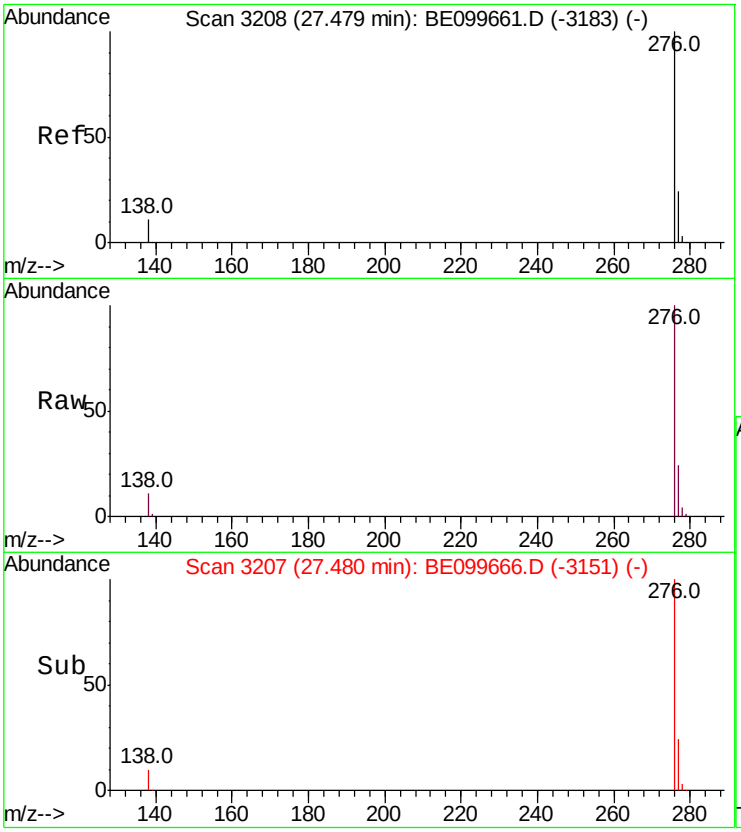


#38
Dibenzo(a,h)anthracene
Concen: 0.348 ng
RT: 26.69 min Scan# 2985
Delta R.T. 0.01 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Tgt Ion:278 Resp: 23704

Ion	Ratio	Lower	Upper
278	100		
139	8.9	6.9	10.3
279	23.8	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.356 ng
RT: 27.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: BE099666.D
Acq: 20 May 2019 18:37

Instrument :
BNA_E
ClientSampleId :
ICVBE052019

Tgt Ion:276 Resp: 24436

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.6
138	11.2	9.2	13.8