Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052019\
Data File : BE099669.D
Acq On : 20 May 2019 20:31
Operator : JU/SJ
Sample : PB119824BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB119824BS

Quant Time: May 21 06:41:42 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	2034	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	6497	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3877	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10185	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15336	0.40	ng	0.00
34) Perylene-d12	23.96	264	18708	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1819	0.35	ng	0.01
5) Phenol-d6	6.98	99	2447	0.36	ng	0.00
8) Nitrobenzene-d5	8.98	82	2161	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5584	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	496	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	6354	0.43	ng	0.00
25) Fluoranthene-d10	19.27	212	50053	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	11205	0.41	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	888	0.295	ng	# 31
3) n-Nitrosodimethylamine	3.64	42	589	0.354	ng	# 84
6) bis(2-Chloroethyl)ether	7.24	93	2142	0.354	ng	97
9) Naphthalene	10.67	128	27662	0.398	ng	100
10) Hexachlorobutadiene	10.94	225	2049	0.400	ng	98
12) 2-Methylnaphthalene	12.29	142	4354	0.384	ng	99
16) Acenaphthylene	14.21	152	7062	0.391	ng	99
17) Acenaphthene	14.54	154	4018	0.396	ng	99
18) Fluorene	15.53	166	5543	0.371	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2328	0.396	ng	97
21) Hexachlorobenzene	16.53	284	2546	0.424	ng	99
22) Pentachlorophenol	16.92	266	670	0.537	ng	98
23) Phenanthrene	17.27	178	9878	0.397	ng	99
24) Anthracene	17.36	178	8314	0.368	ng	100
26) Fluoranthene	19.30	202	14242	0.362	ng	99
28) Pyrene	19.66	202	14678	0.381	ng	100
30) Benzo(a)anthracene	21.40	228	18795	0.431	ng	100
31) Chrysene	21.45	228	20768	0.446	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	17292	0.344	ng	100
33) Indeno(1,2,3-cd)pyrene	26.66	276	25667	0.456	ng	100
35) Benzo(b)fluoranthene	23.17	252	20546	0.401	ng	99
36) Benzo(k)fluoranthene	23.22	252	23772	0.445	ng	99
37) Benzo(a)pyrene	23.84	252	20581	0.417	ng	99
38) Dibenzo(a,h)anthracene	26.68	278	21230	0.410	ng	99
39) Benzo(g,h,i)perylene	27.48	276	22228	0.425	ng	98

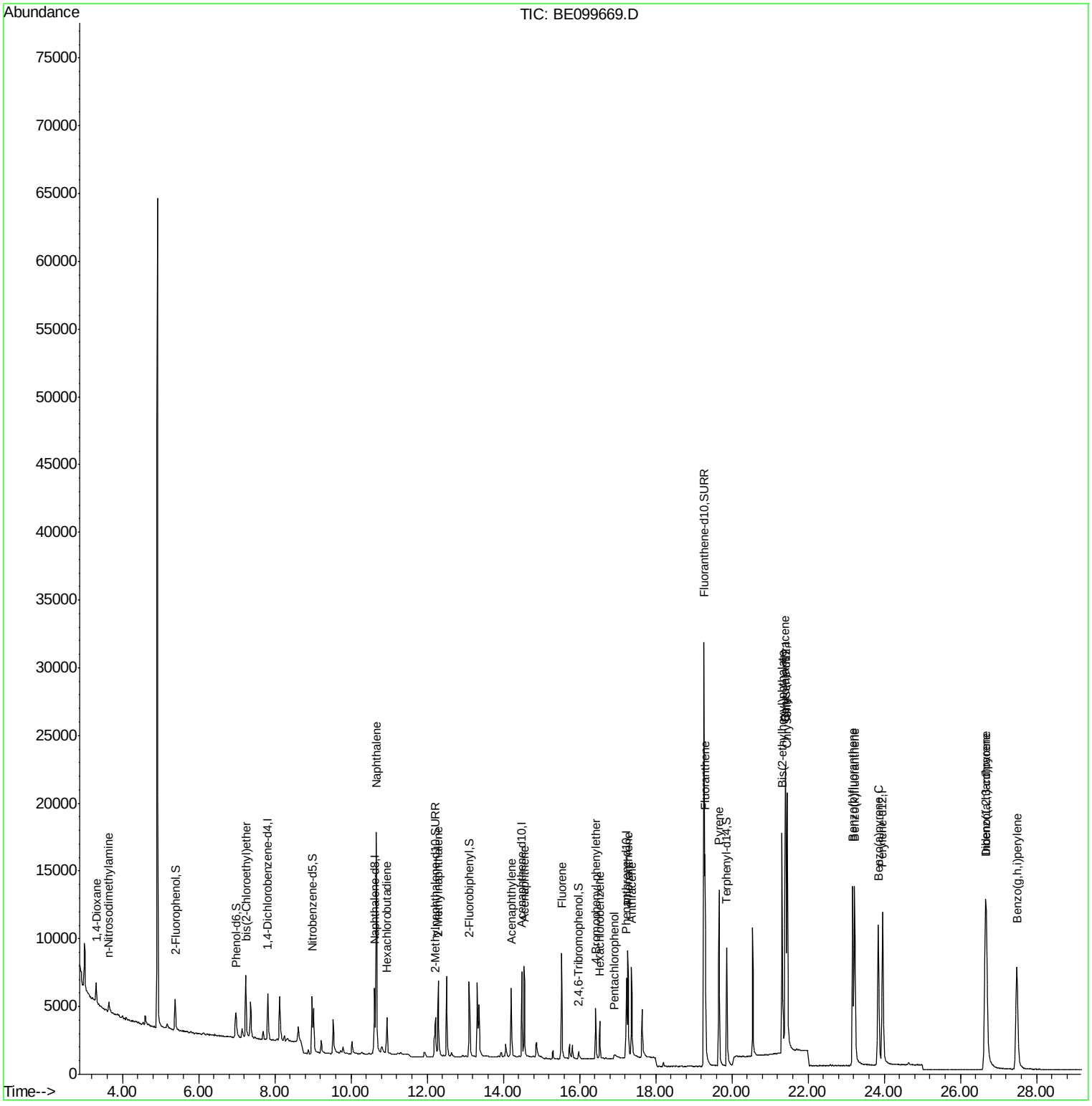
(#) = qualifier out of range (m) = manual integration (+) = signals summed

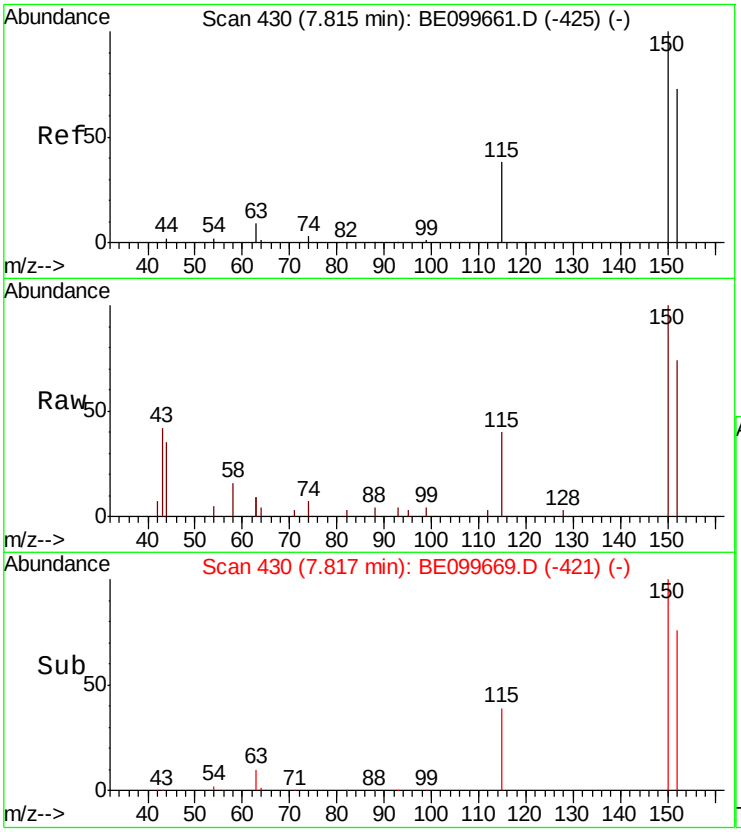
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052019\
Data File : BE099669.D
Acq On : 20 May 2019 20:31
Operator : JU/SJ
Sample : PB119824BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Quant Time: May 21 06:41:42 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



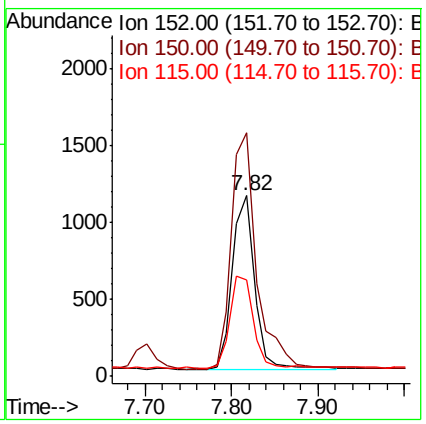


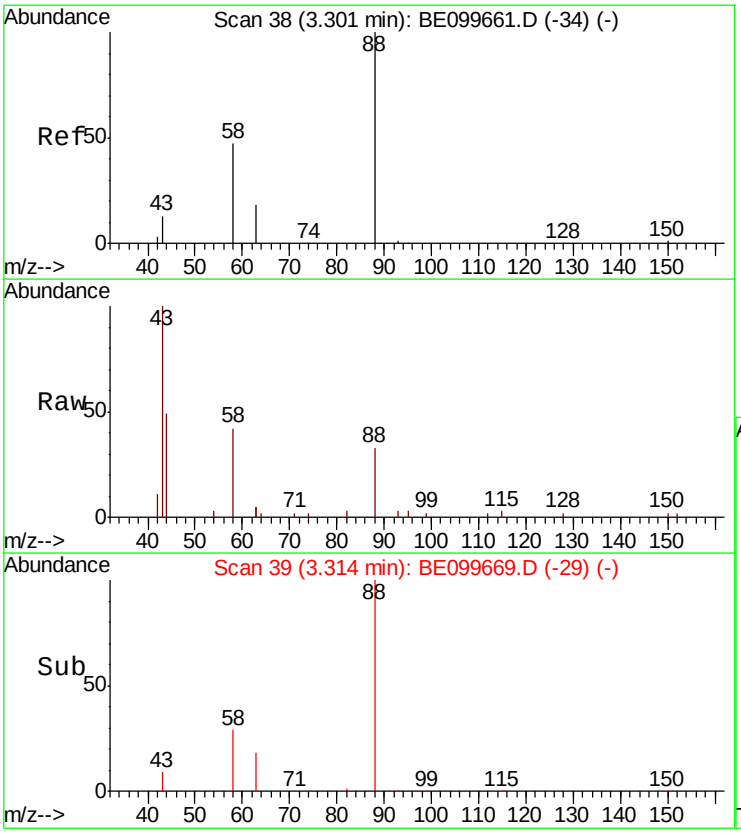
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:152 Resp: 2034

Ion	Ratio	Lower	Upper
152	100		
150	135.1	109.2	163.8
115	53.7	43.7	65.5

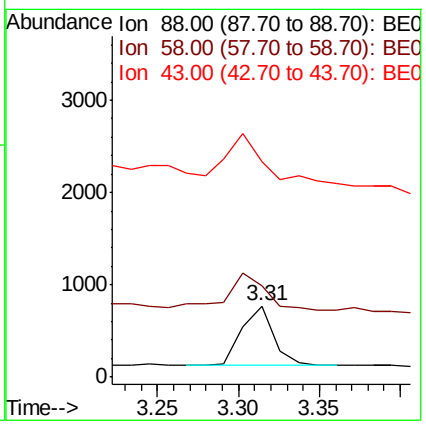


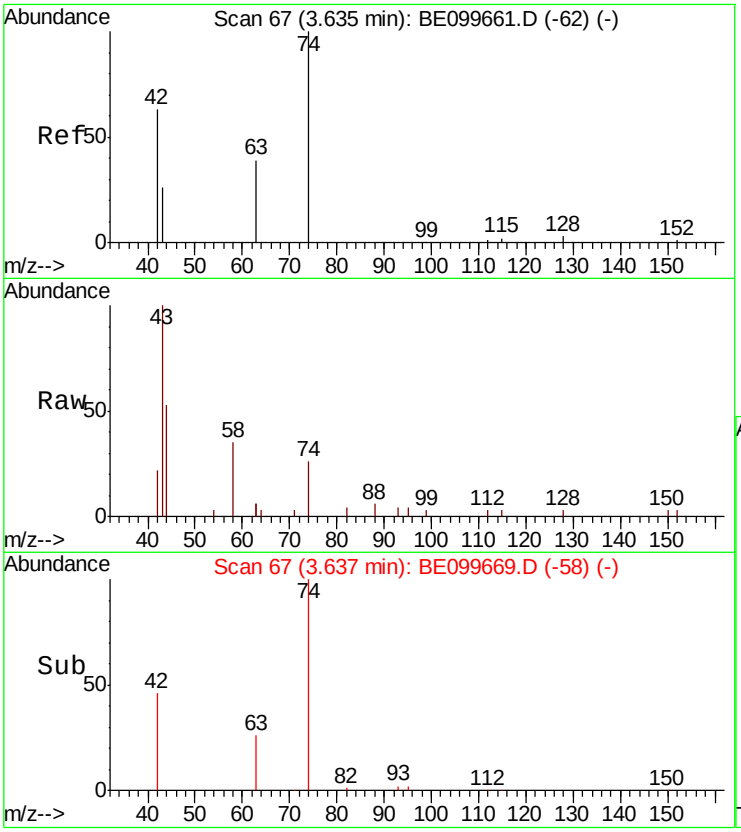


#2
1,4-Dioxane
Concen: 0.295 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.01 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion: 88 Resp: 888

Ion	Ratio	Lower	Upper
88	100		
58	76.5	41.8	62.8#
43	93.9	15.0	22.4#



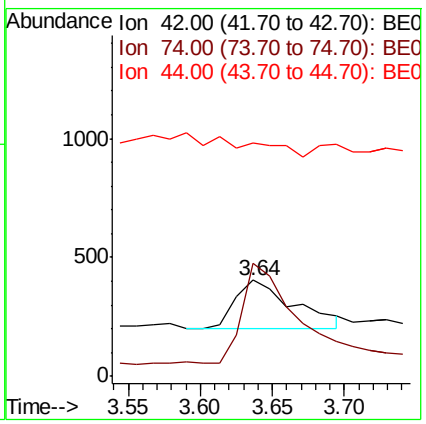


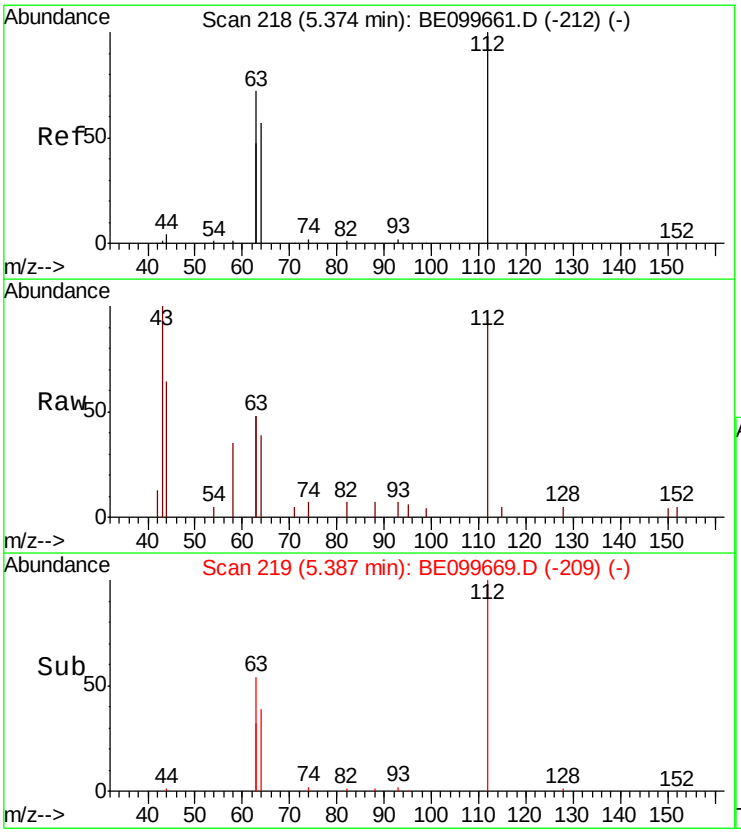
#3
n-Nitrosodimethylamine
Concen: 0.354 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion: 42 Resp: 589

Ion	Ratio	Lower	Upper
42	100		
74	183.4	129.2	193.8
44	0.0	0.0	0.0

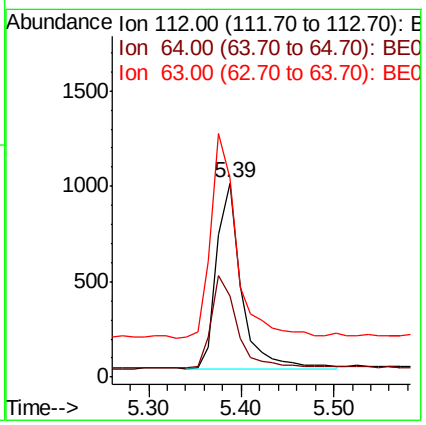


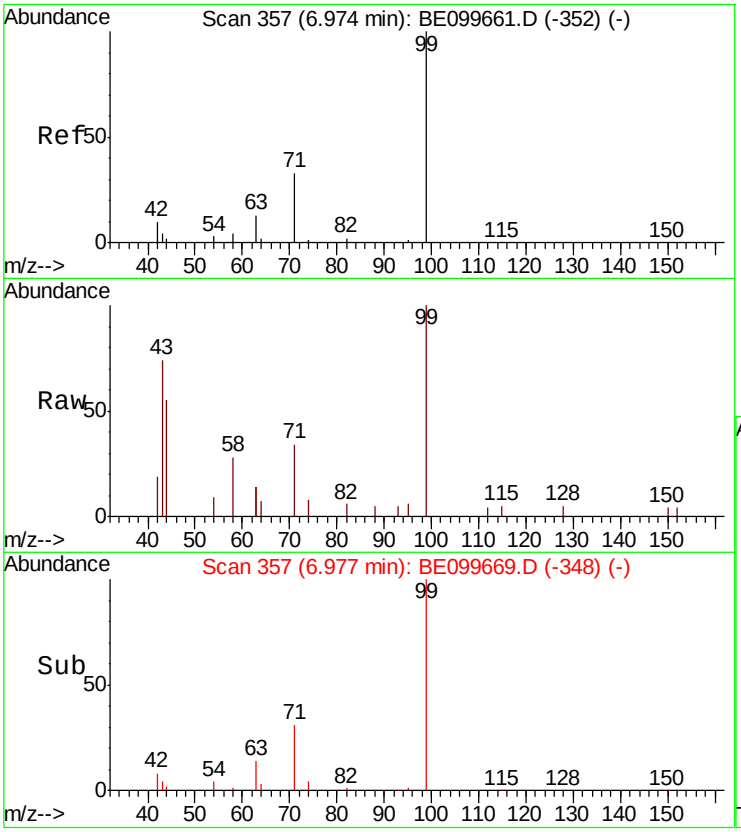


#4
2-Fluorophenol
Concen: 0.354 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.01 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:112 Resp: 1819

Ion	Ratio	Lower	Upper
112	100		
64	53.4	43.4	65.2
63	115.9	96.9	145.3



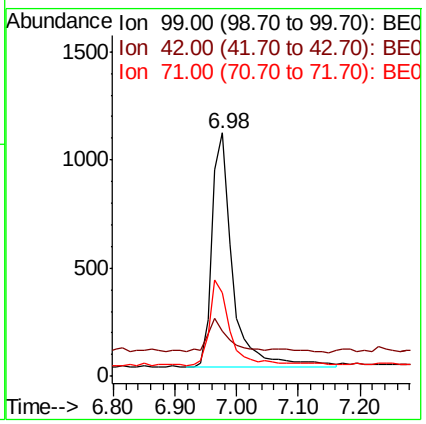


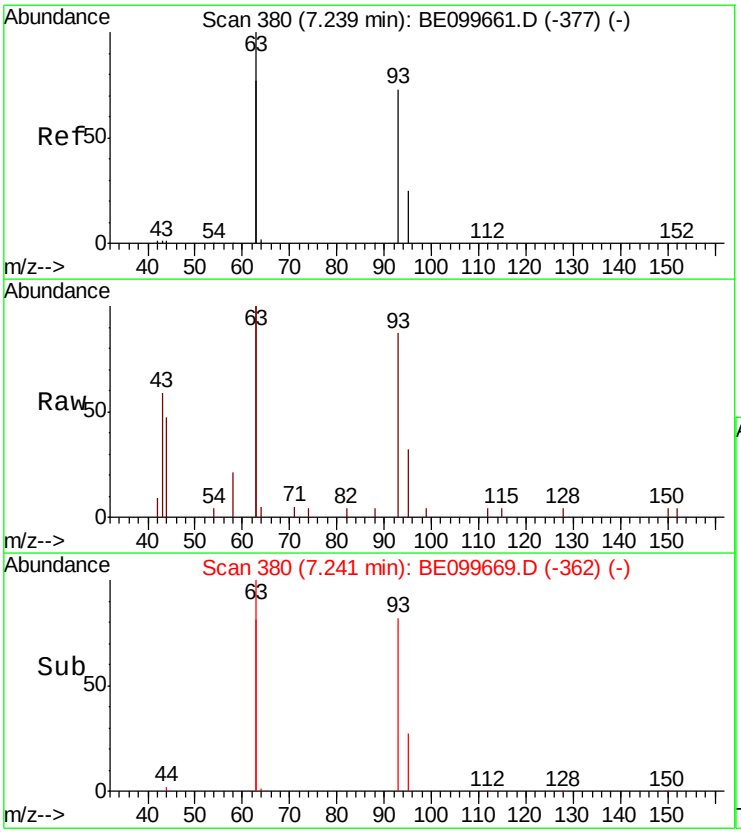
#5
Phenol-d6
Concen: 0.360 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion: 99 Resp: 2447

Ion	Ratio	Lower	Upper
99	100		
42	13.5	12.2	18.2
71	36.1	28.9	43.3

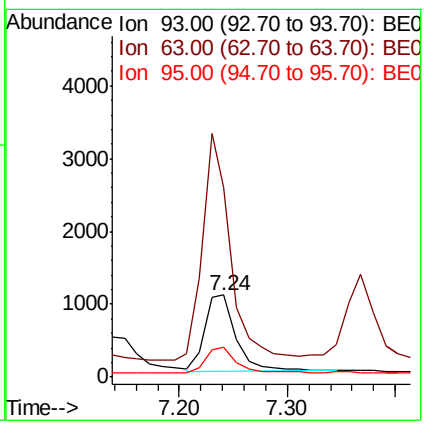


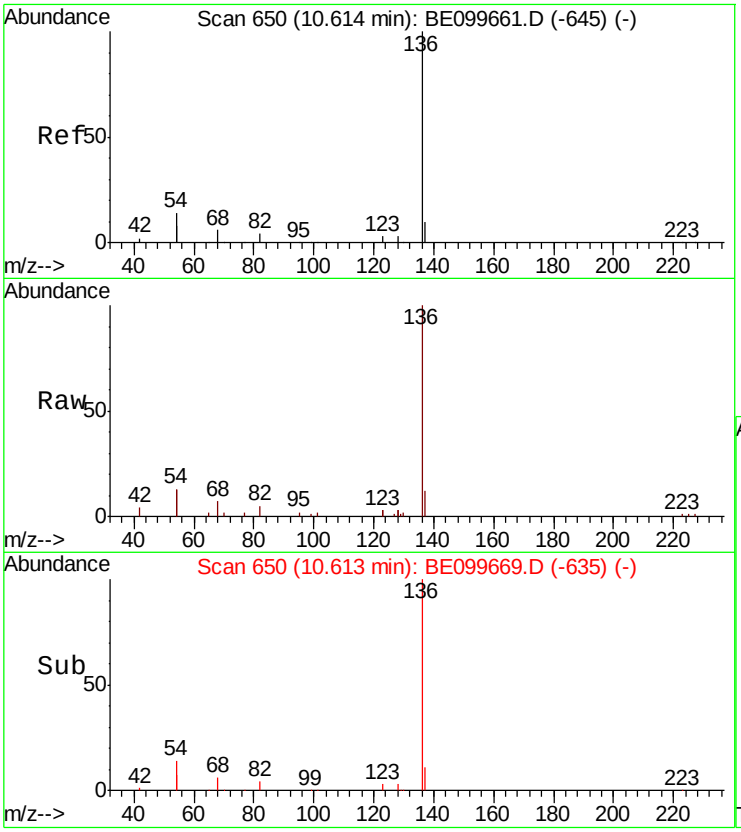


#6
bis(2-Chloroethyl)ether
Concen: 0.354 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion: 93 Resp: 2142

Ion	Ratio	Lower	Upper
93	100		
63	264.8	207.8	311.6
95	34.0	25.9	38.9



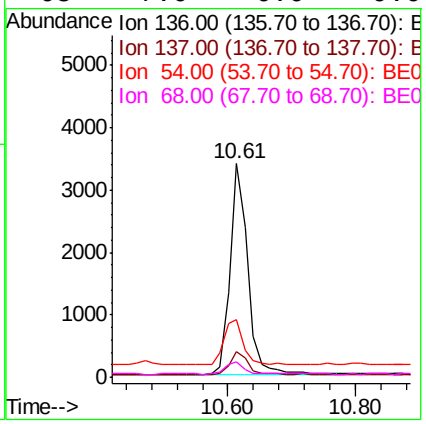


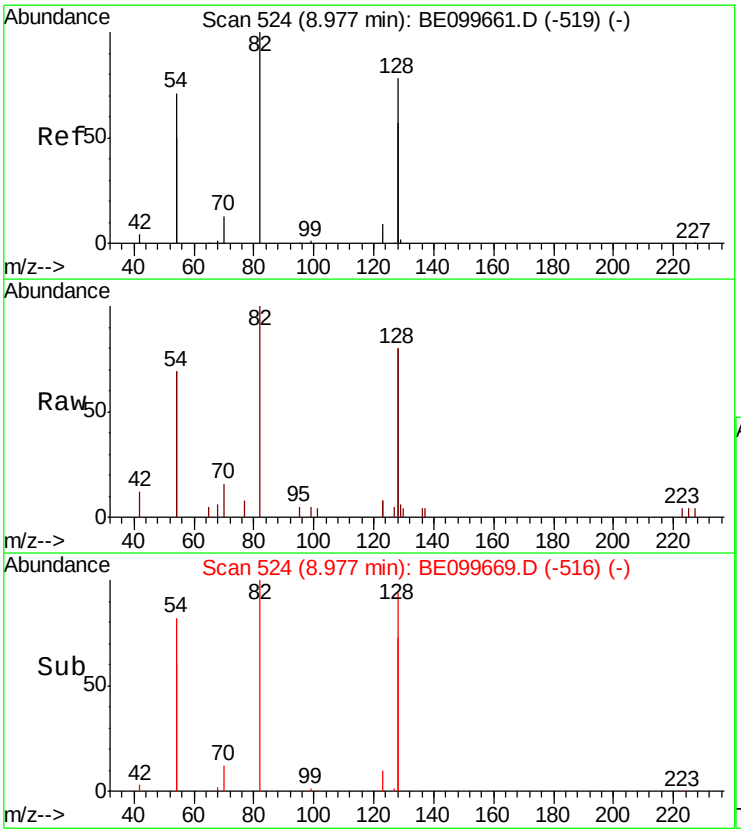
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:136 Resp: 6497

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.6
54	27.0	22.3	33.5
68	7.0	6.0	9.0

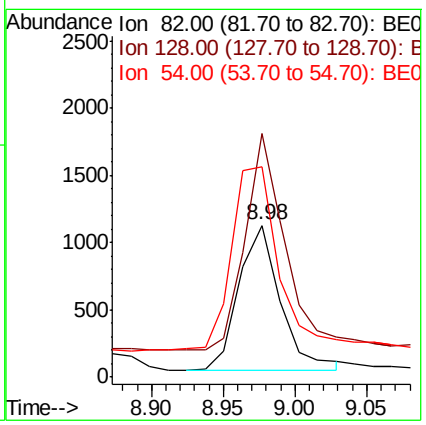


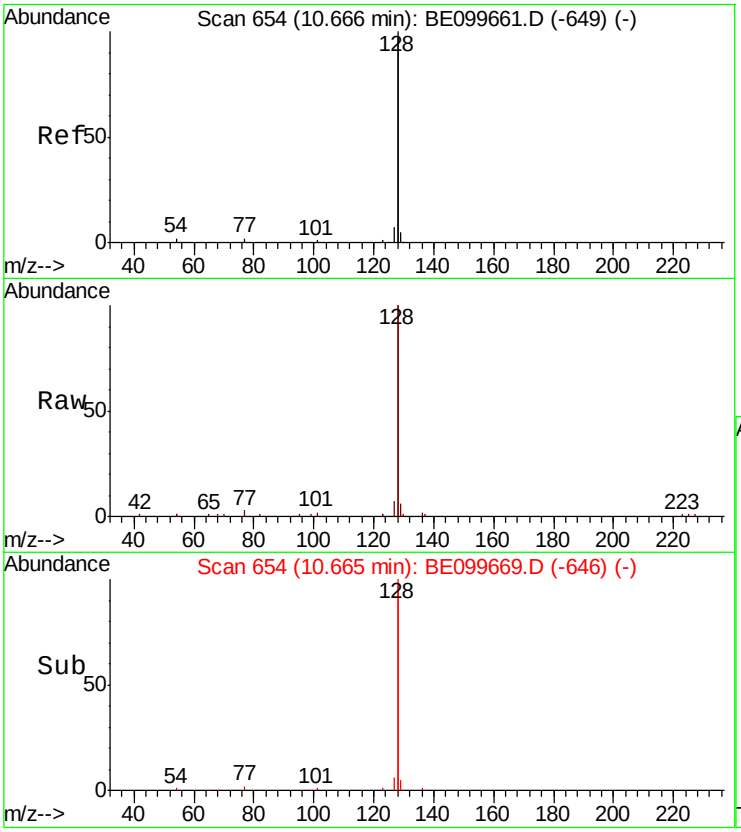


#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.98 min Scan# 524
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion: 82 Resp: 2161

Ion	Ratio	Lower	Upper
82	100		
128	160.2	117.7	176.5
54	138.8	106.6	160.0



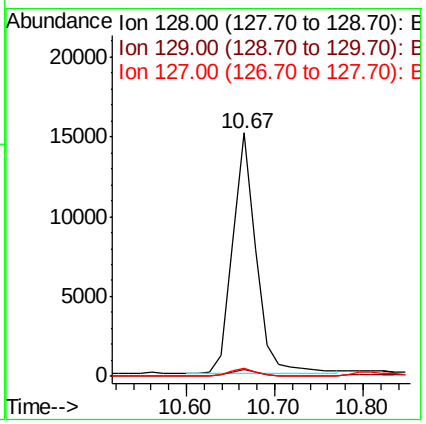


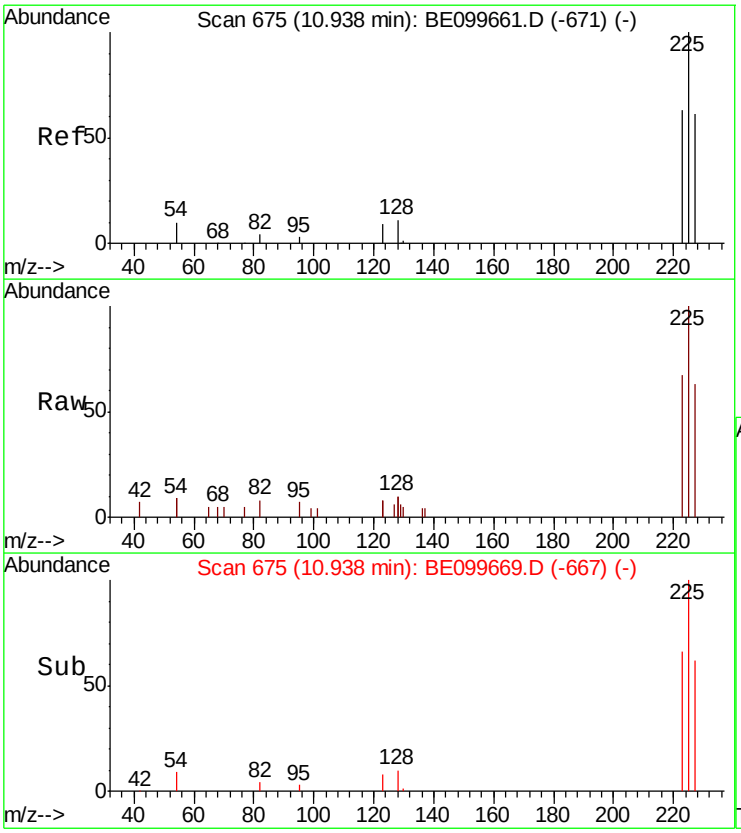
#9
Naphthalene
Concen: 0.398 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:128 Resp: 27662

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

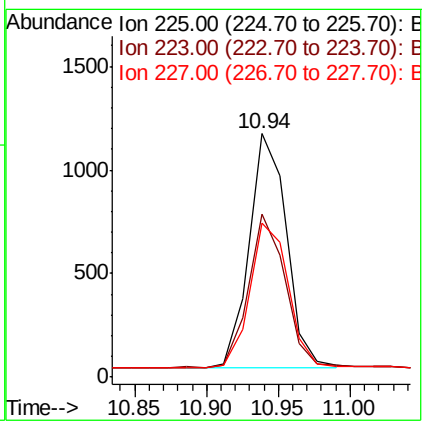


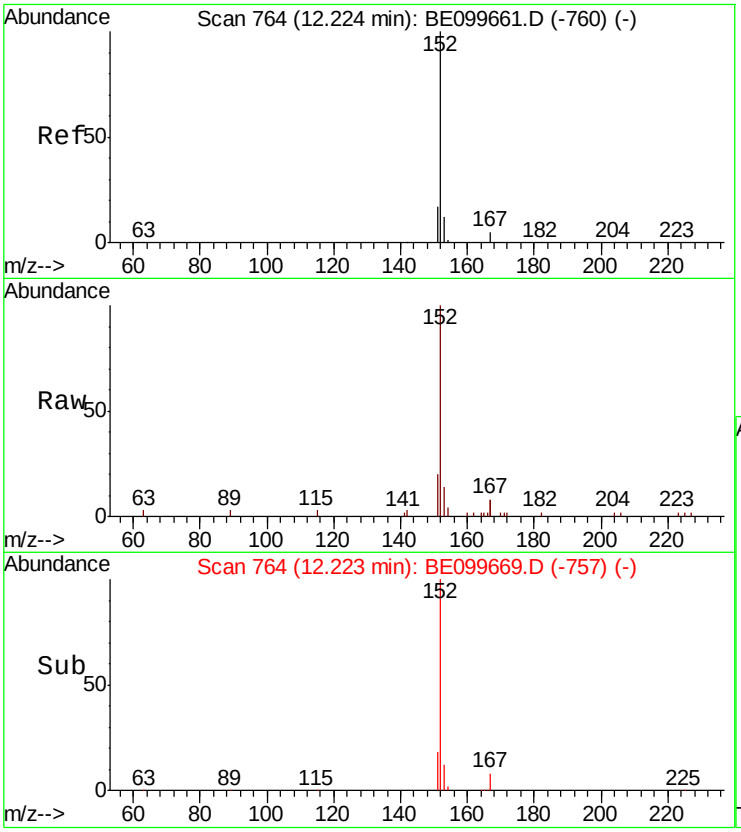


#10
Hexachlorobutadiene
Concen: 0.400 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:225 Resp: 2049

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.8	77.6
227	63.5	52.6	79.0



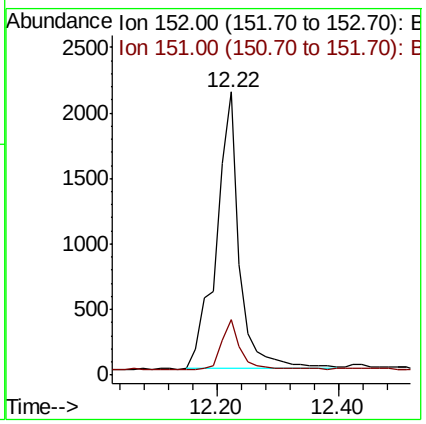


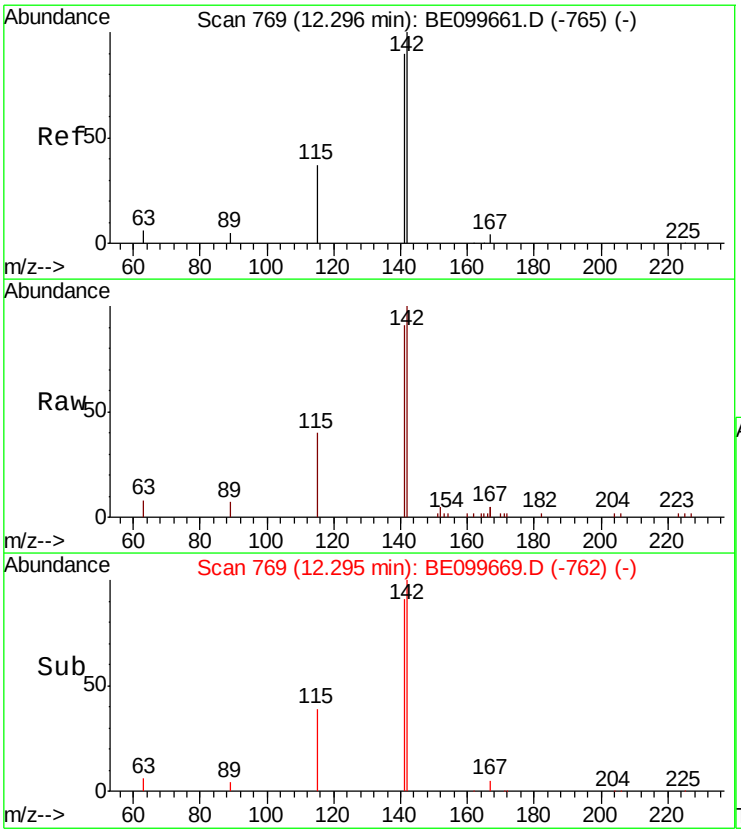
#11
2-Methylnaphthalene-d10
Concen: 0.498 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:152 Resp: 5584

Ion	Ratio	Lower	Upper
152	100		
151	14.1	15.0	22.4#

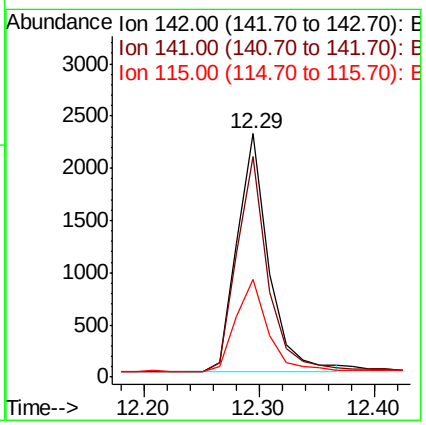


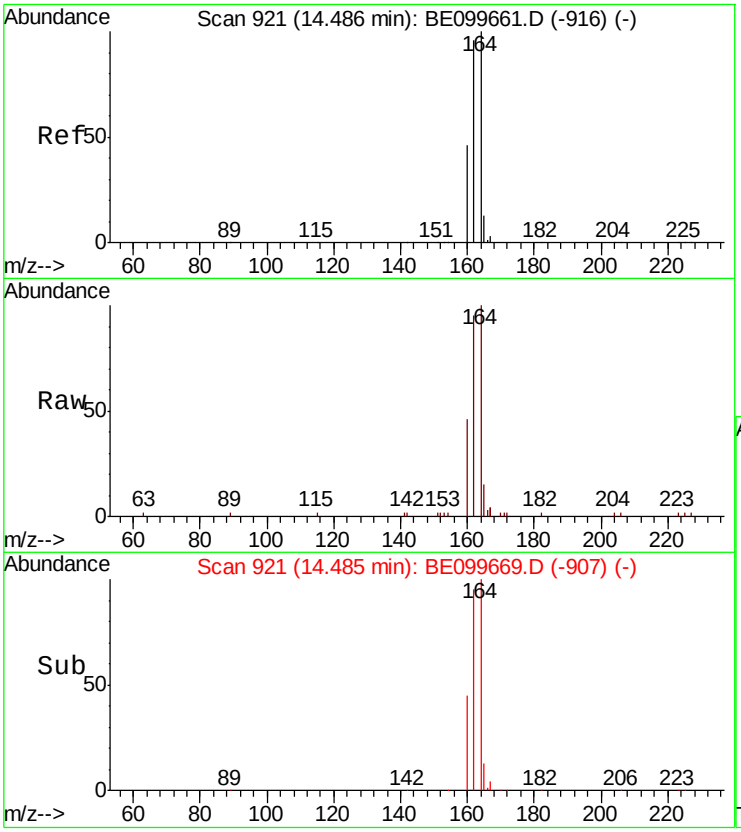


#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.29 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:142 Resp: 4354

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.0	108.0
115	40.1	31.0	46.4



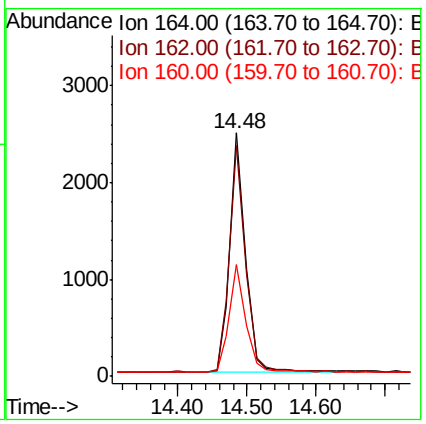


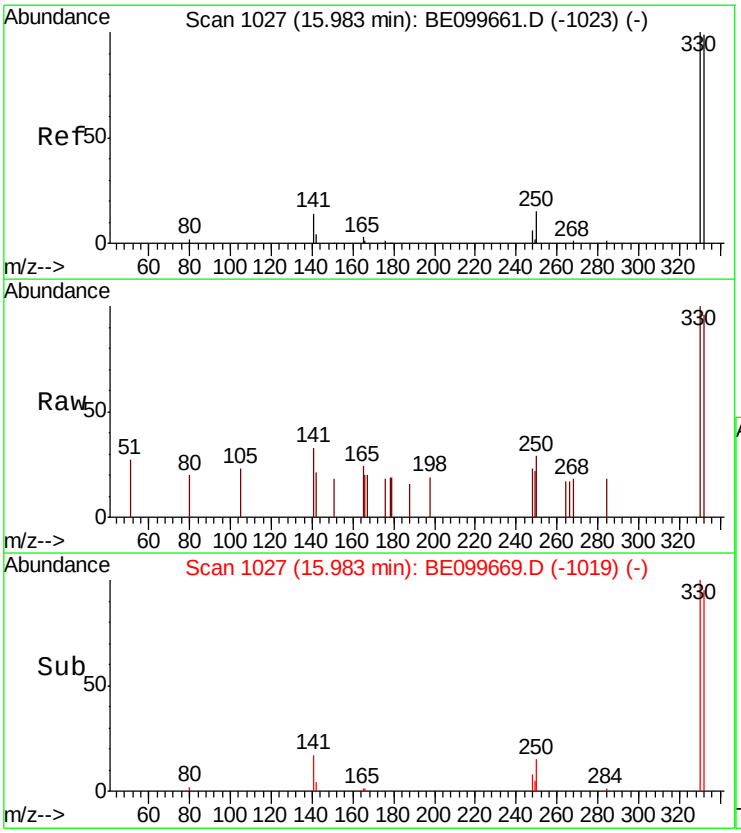
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:164 Resp: 3877

Ion	Ratio	Lower	Upper
164	100		
162	95.0	76.5	114.7
160	45.9	37.4	56.2

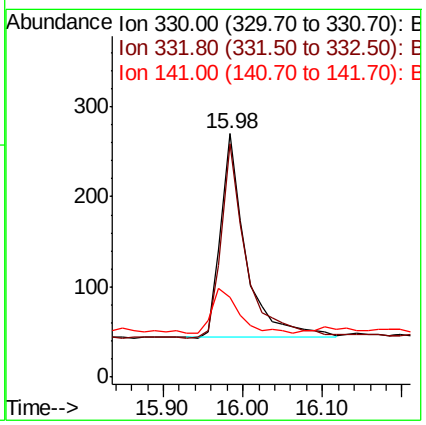


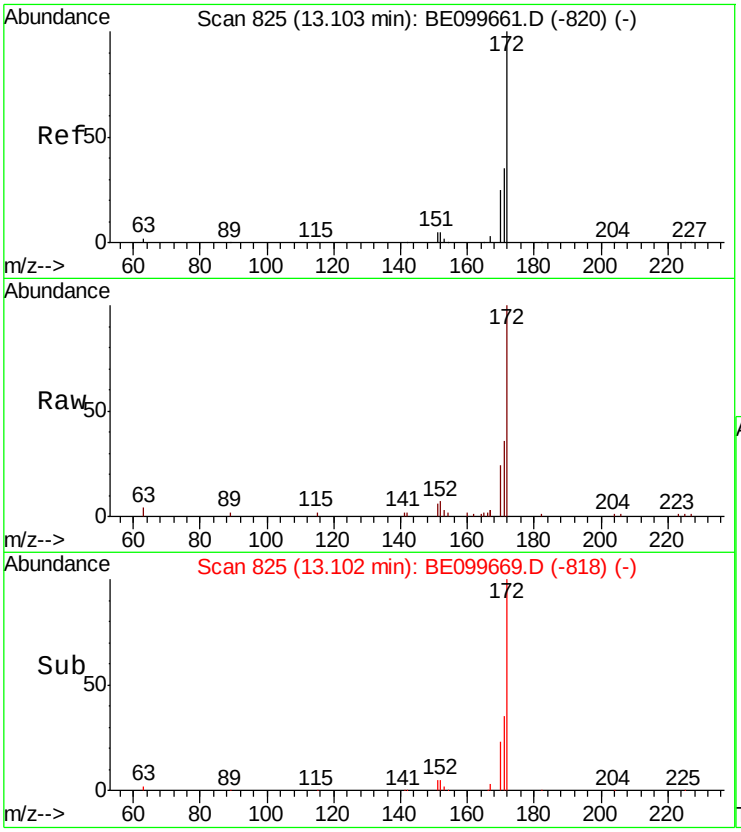


#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:330 Resp: 496

Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.3	115.9
141	22.6	18.9	28.3



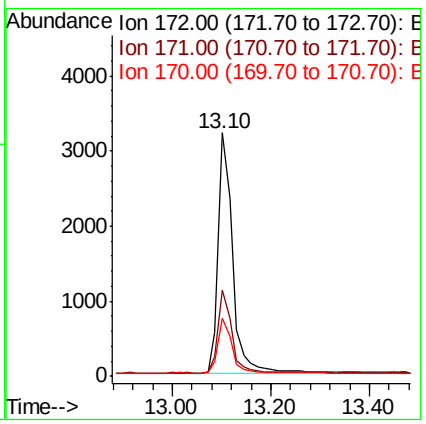


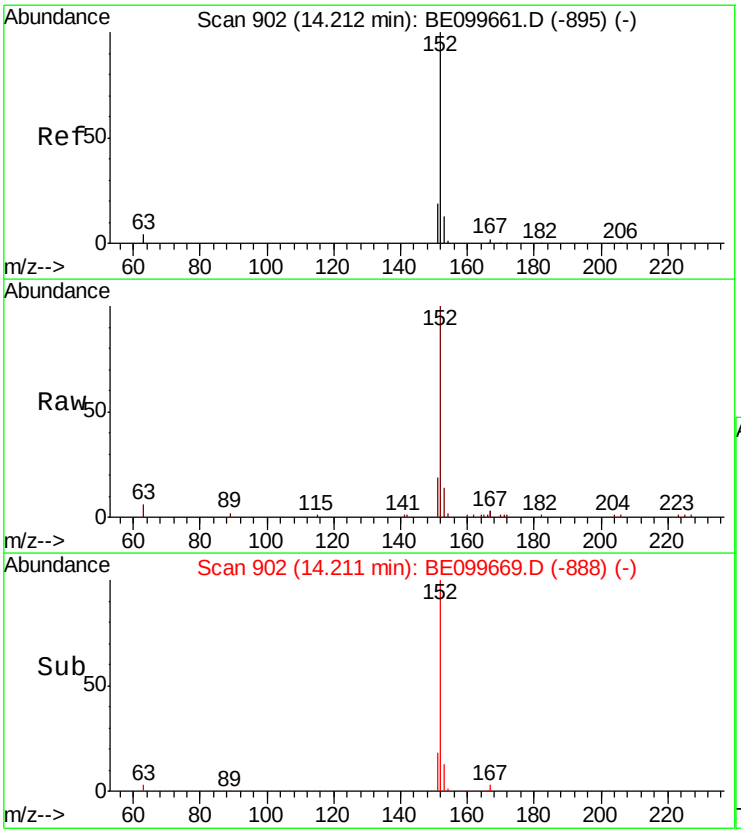
#15
2-Fluorobiphenyl
Concen: 0.432 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:172 Resp: 6354

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.9	20.9	31.3

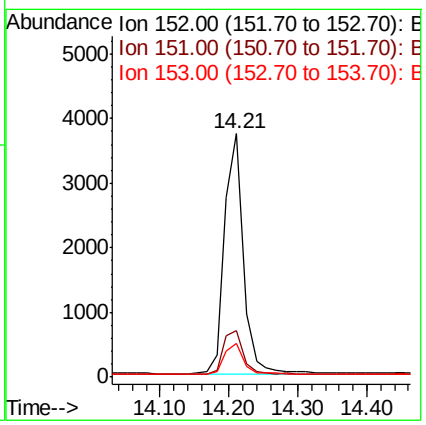


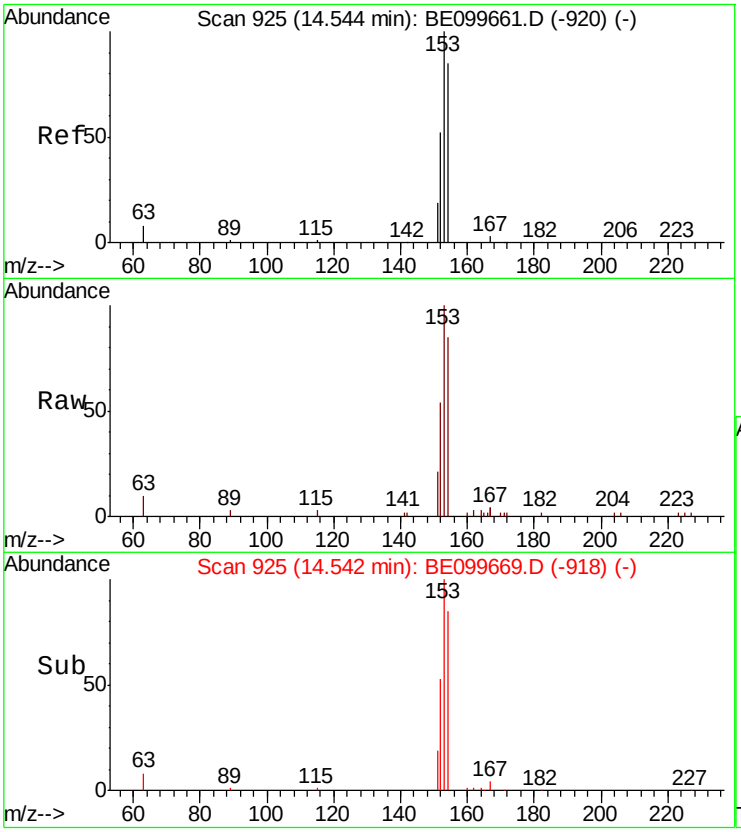


#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:152 Resp: 7062

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	13.5	10.6	16.0



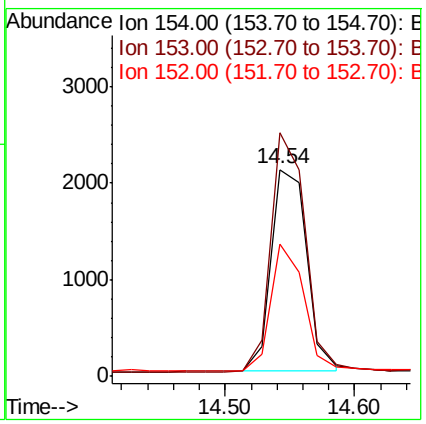


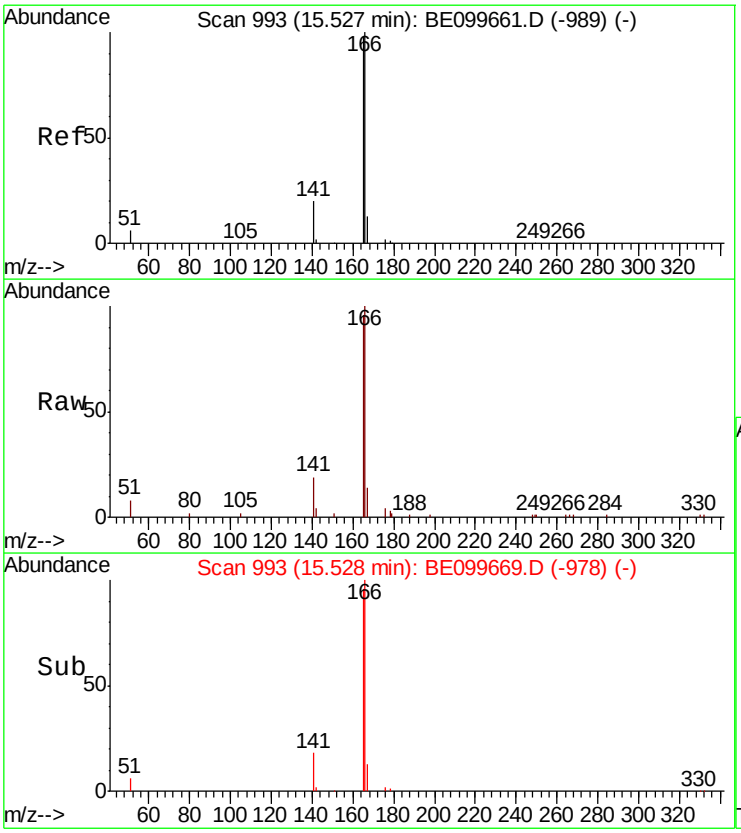
#17
Acenaphthene
Concen: 0.396 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:154 Resp: 4018

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.8	137.6
152	58.6	46.0	69.0

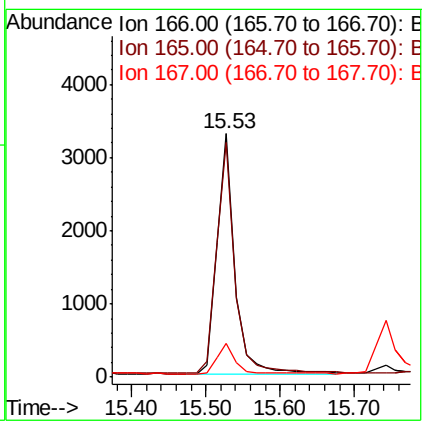


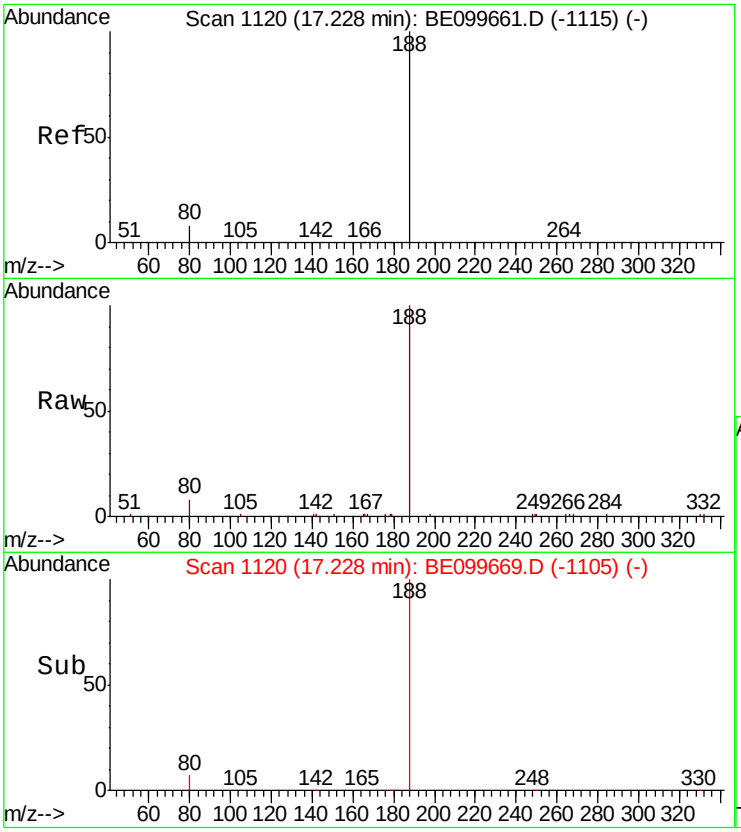


#18
Fluorene
Concen: 0.371 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:166 Resp: 5543

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.3	120.5
167	12.9	10.6	16.0



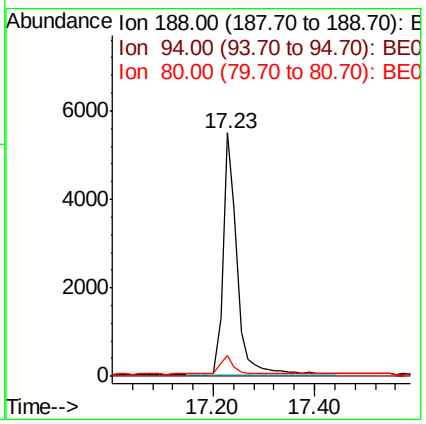


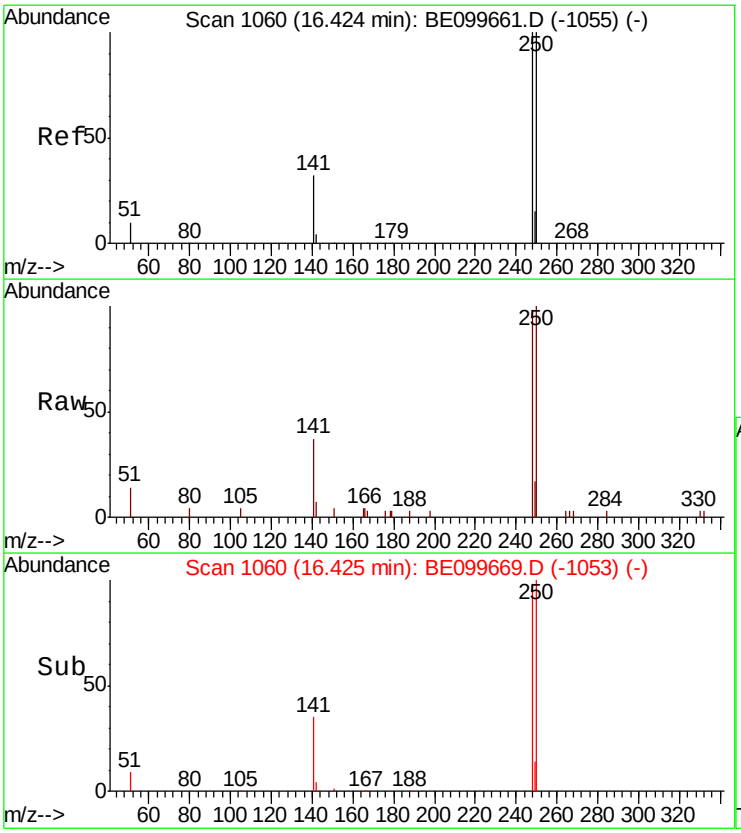
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:188 Resp: 10185

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	6.7	10.1

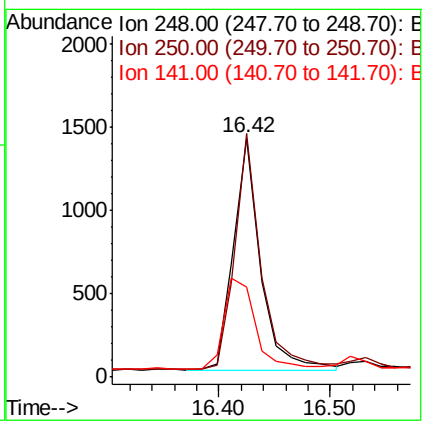


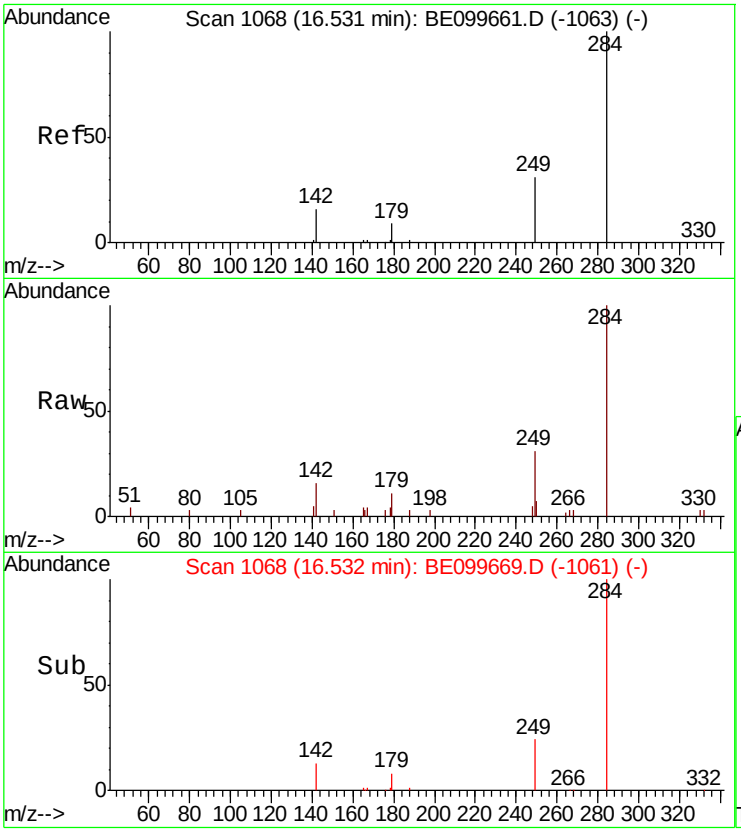


#20
4-Bromophenyl-phenylether
Concen: 0.396 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:248 Resp: 2328

Ion	Ratio	Lower	Upper
248	100		
250	101.8	79.8	119.8
141	37.7	27.0	40.6



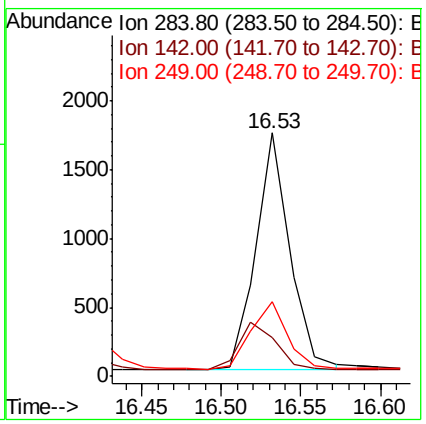


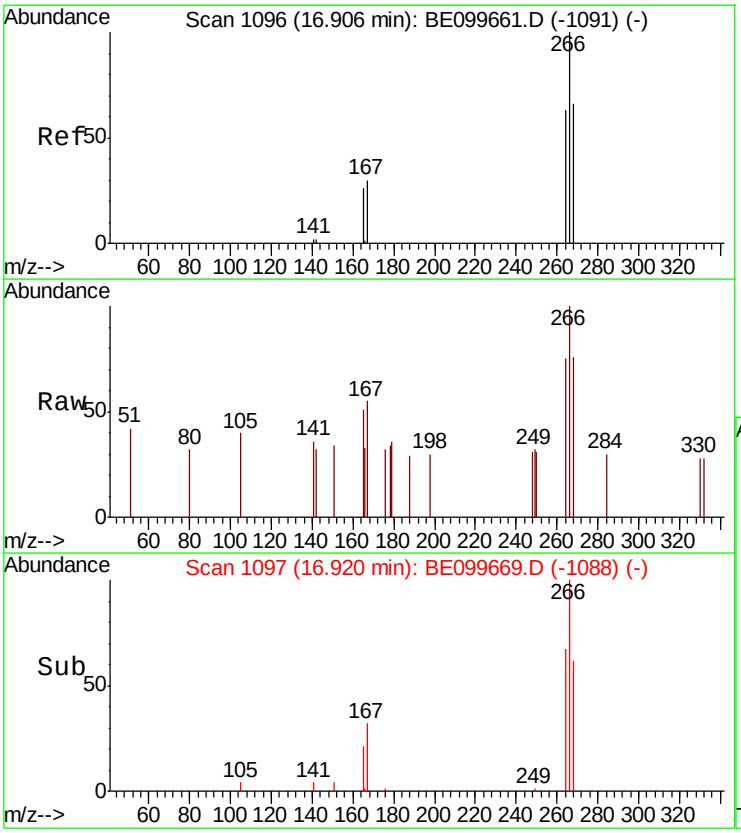
#21
Hexachlorobenzene
Concen: 0.424 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:284 Resp: 2546

Ion	Ratio	Lower	Upper
284	100		
142	21.6	17.8	26.6
249	30.7	24.8	37.2

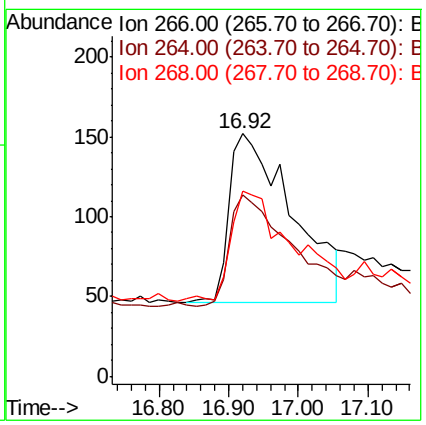


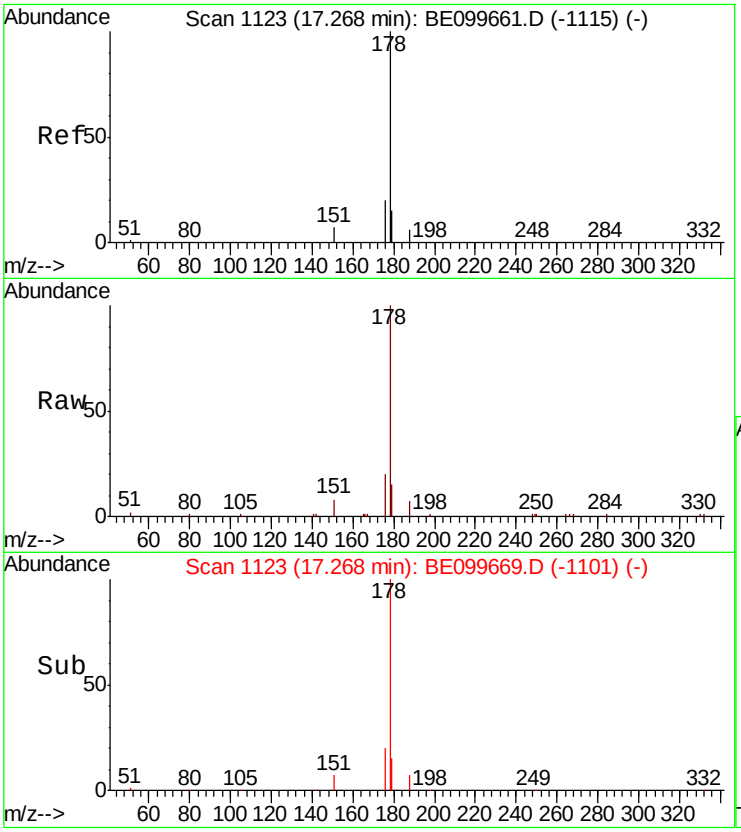


#22
Pentachlorophenol
Concen: 0.537 ng
RT: 16.92 min Scan# 1097
Delta R.T. 0.01 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:266 Resp: 670

Ion	Ratio	Lower	Upper
266	100		
264	75.0	57.2	85.8
268	76.3	60.5	90.7



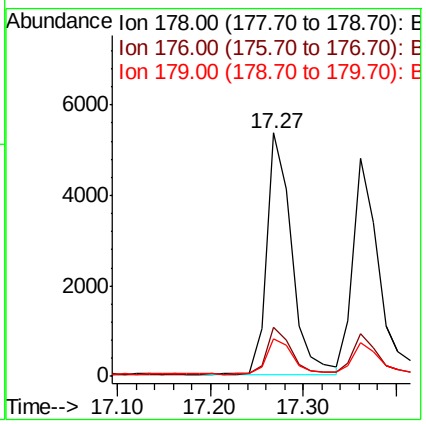


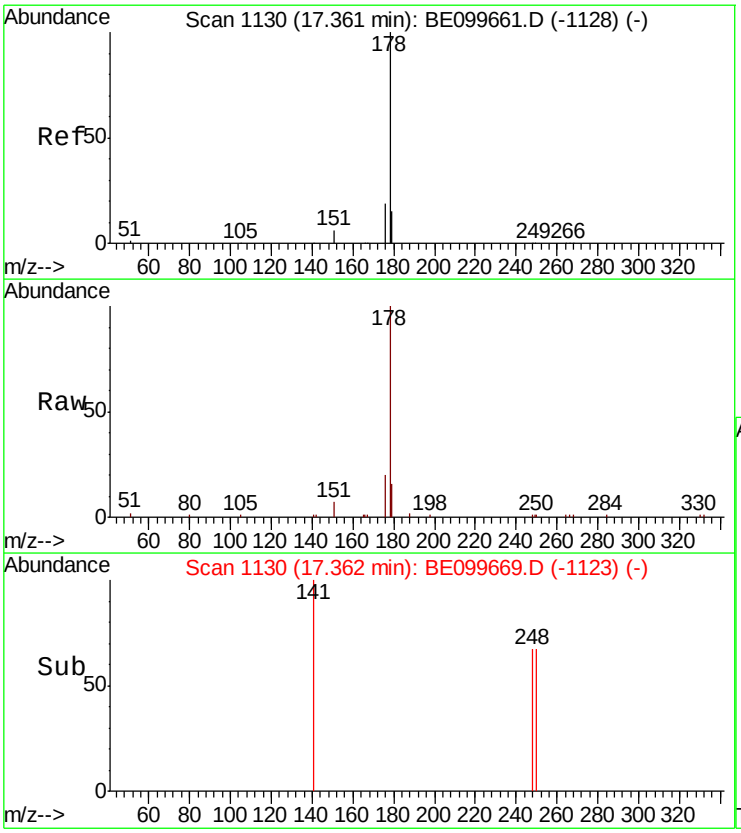
#23
Phenanthrene
Concen: 0.397 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:178 Resp: 9878

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.4	12.2	18.4

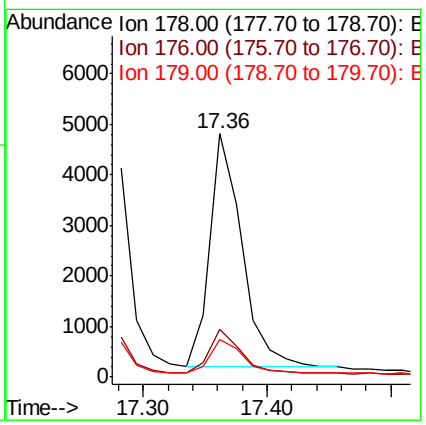


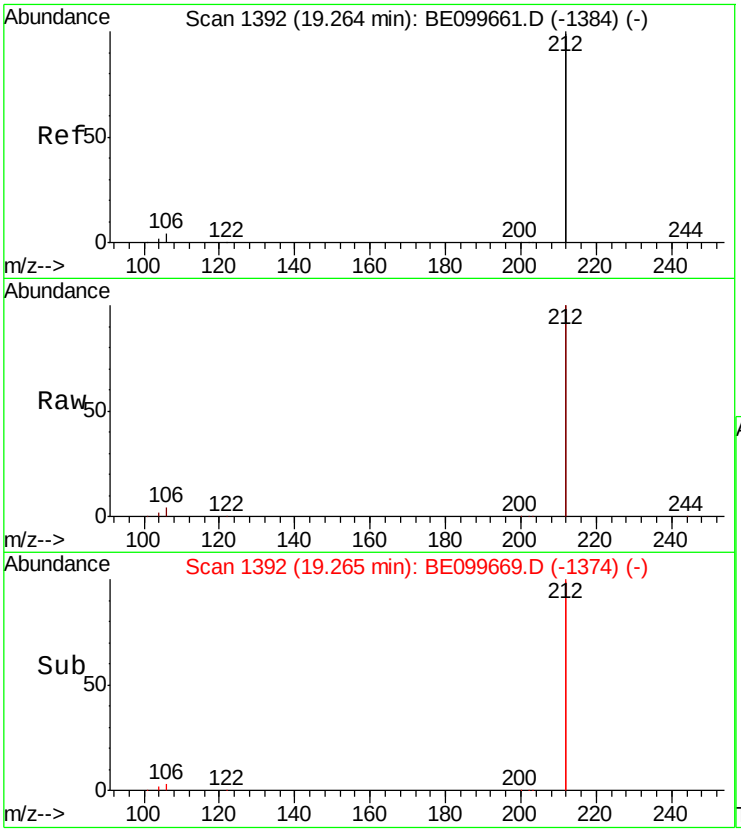


#24
Anthracene
Concen: 0.368 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:178 Resp: 8314

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.2	12.0	18.0



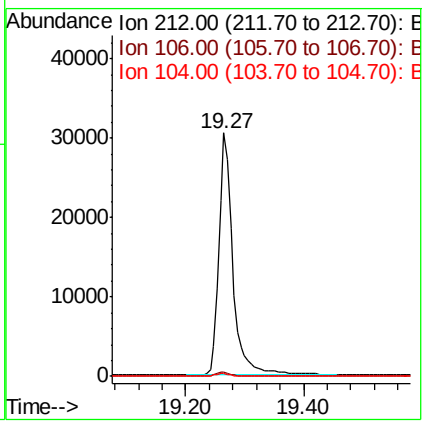


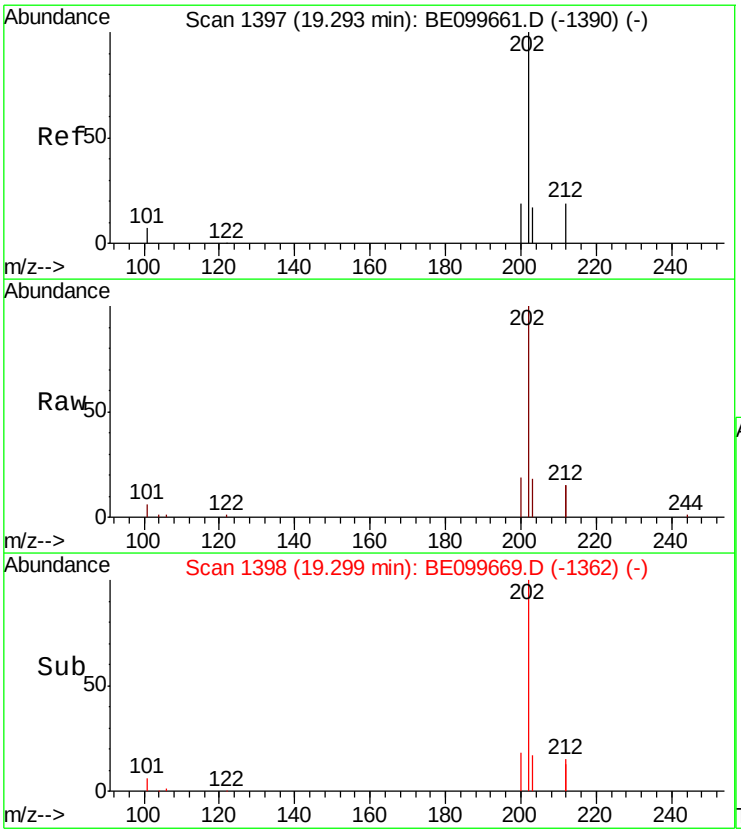
#25
Fluoranthene-d10
Concen: 0.360 ng
RT: 19.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:212 Resp: 50053

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.2
104	1.0	0.8	1.2

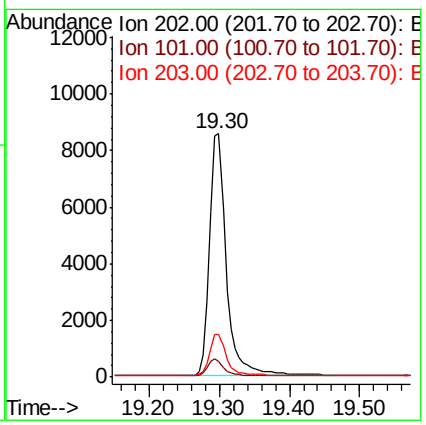


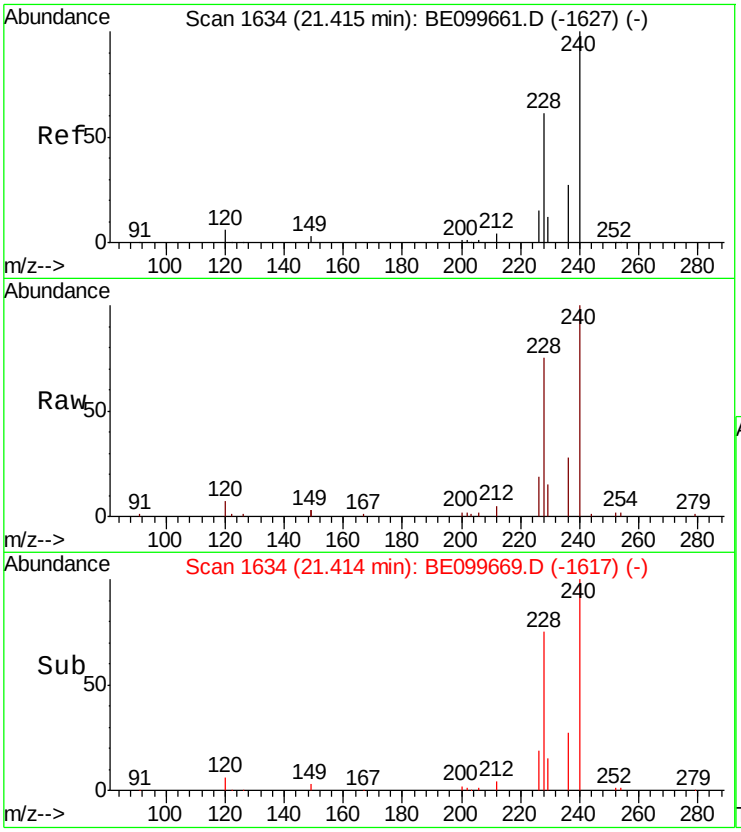


#26
Fluoranthene
Concen: 0.362 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:202 Resp: 14242

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.2	7.8
203	17.0	13.8	20.6



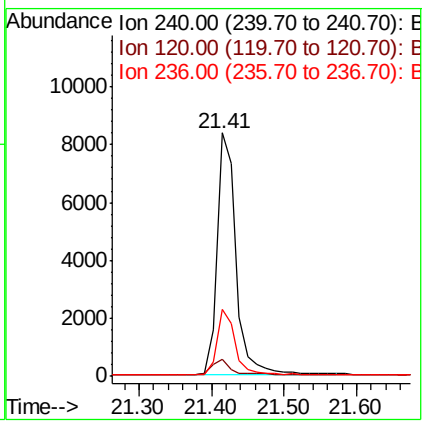


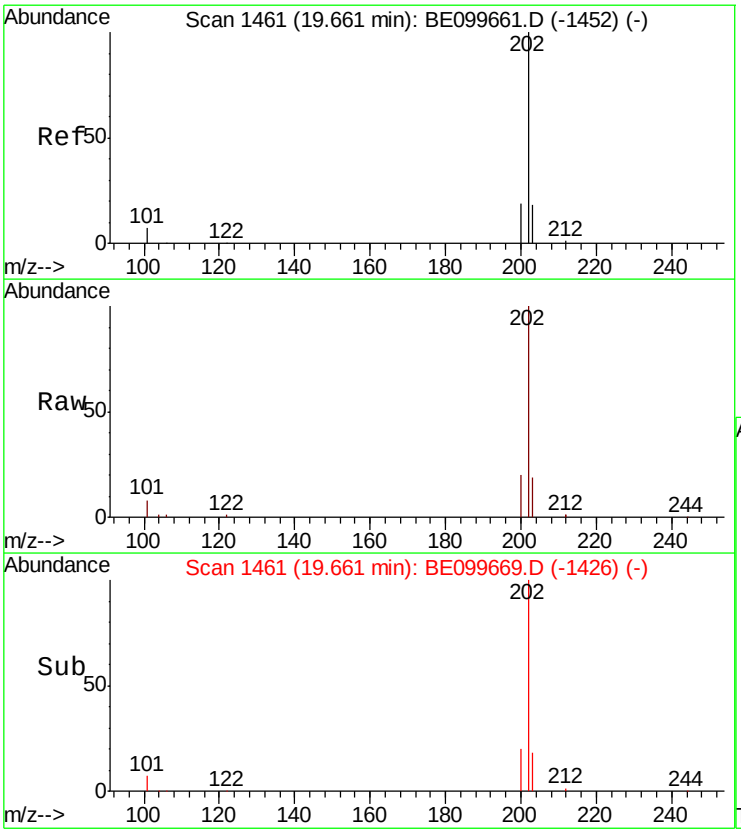
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:240 Resp: 15336

Ion	Ratio	Lower	Upper
240	100		
120	6.8	5.4	8.0
236	27.6	21.7	32.5

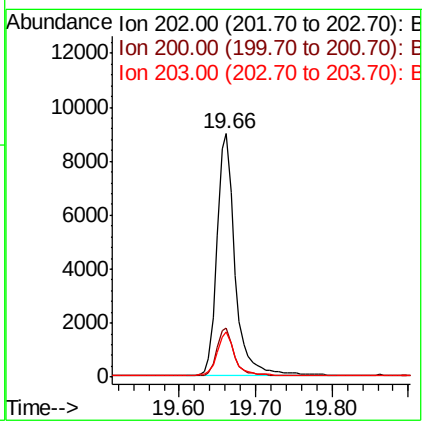


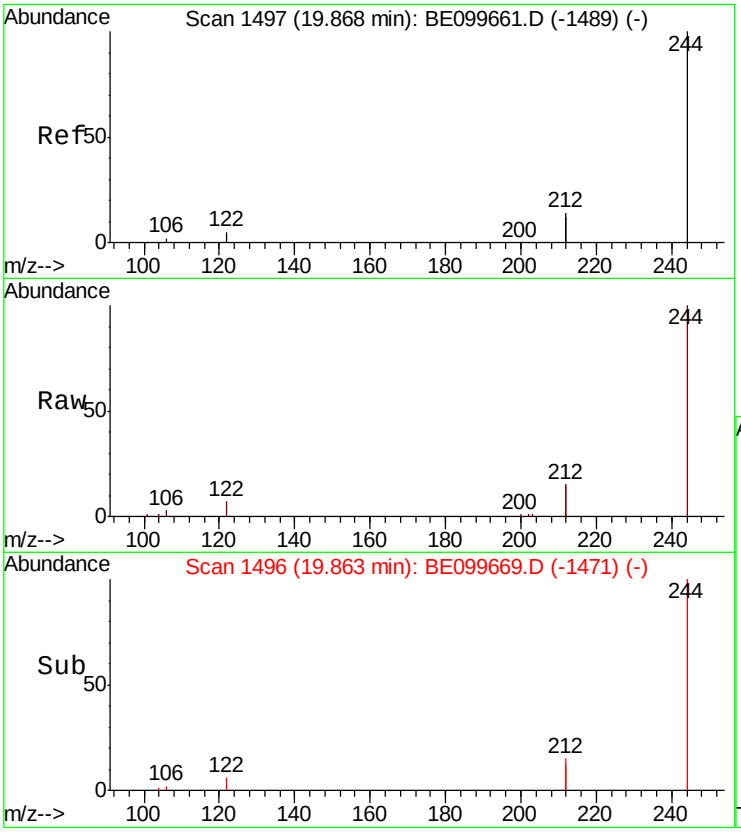


#28
Pyrene
Concen: 0.381 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:202 Resp: 14678

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.4	23.2
203	17.7	13.8	20.8



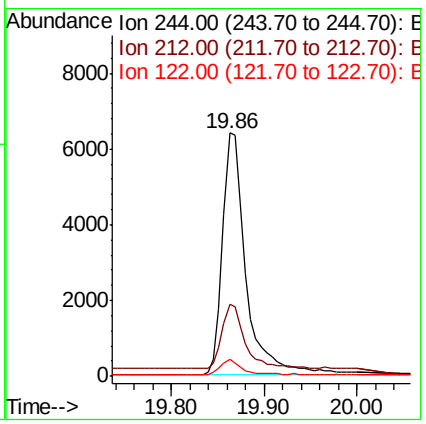


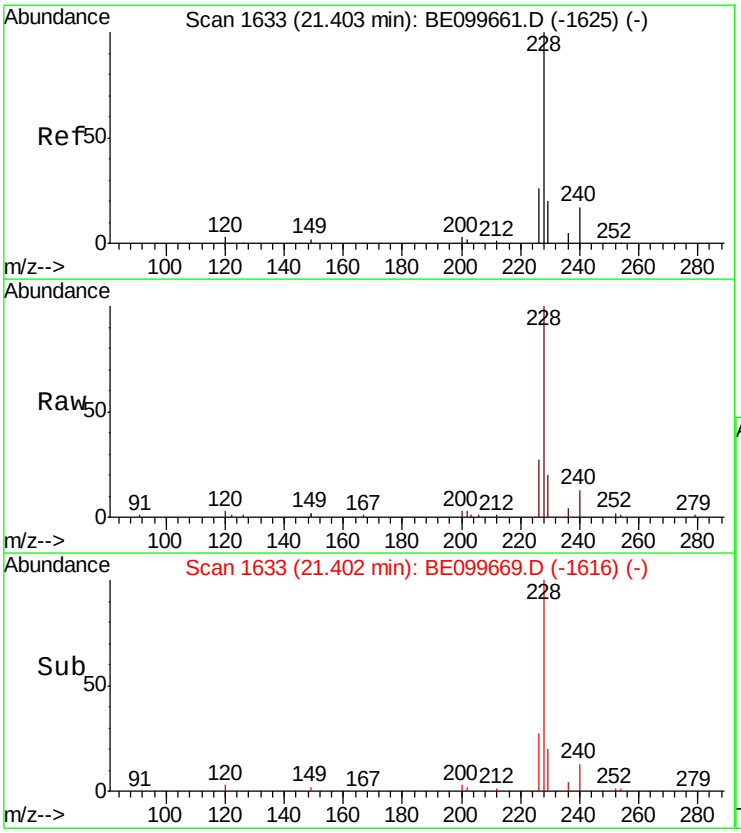
#29
Terphenyl-d14
Concen: 0.409 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:244 Resp: 11205

Ion	Ratio	Lower	Upper
244	100		
212	29.8	22.5	33.7
122	7.0	4.3	6.5#

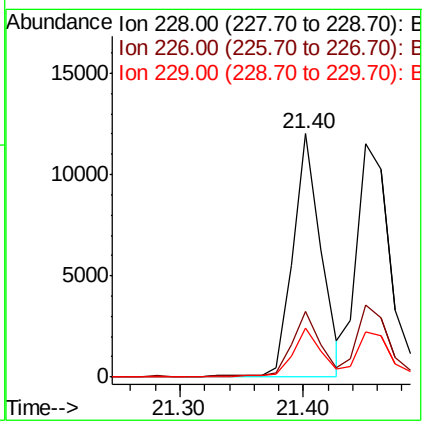


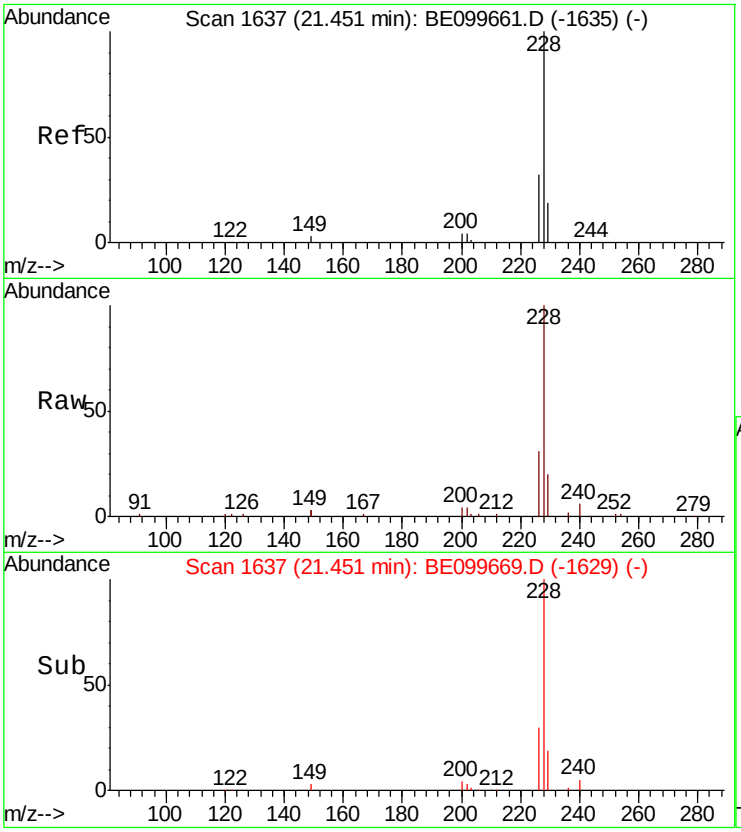


#30
Benzo(a)anthracene
Concen: 0.431 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:228 Resp: 18795

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	20.2	16.1	24.1



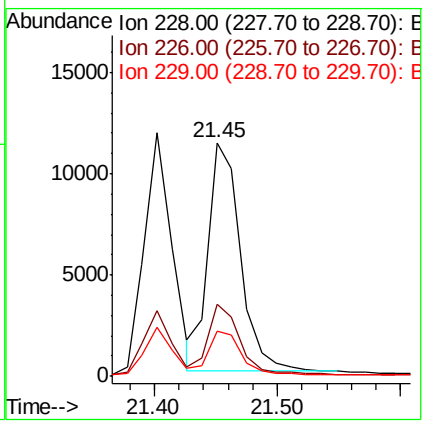


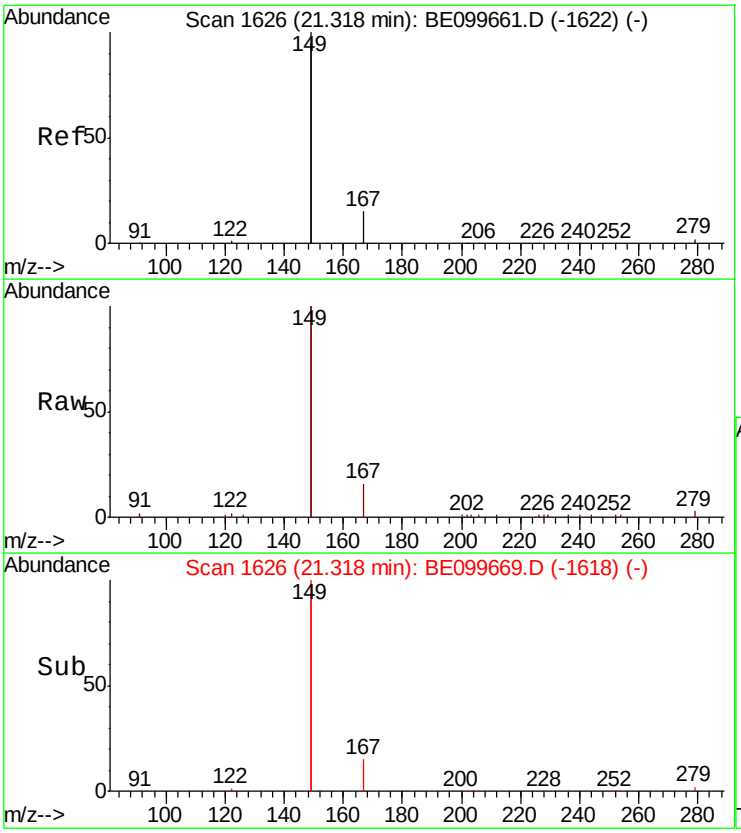
#31
Chrysene
Concen: 0.446 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:228 Resp: 20768

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	19.6	15.8	23.6

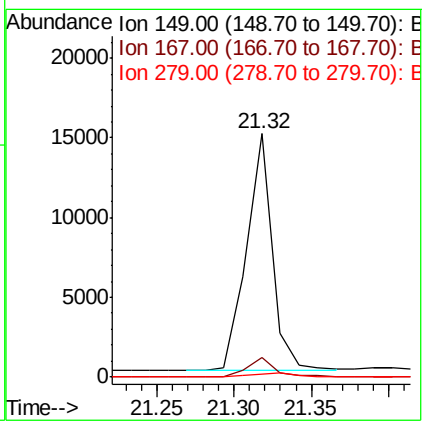


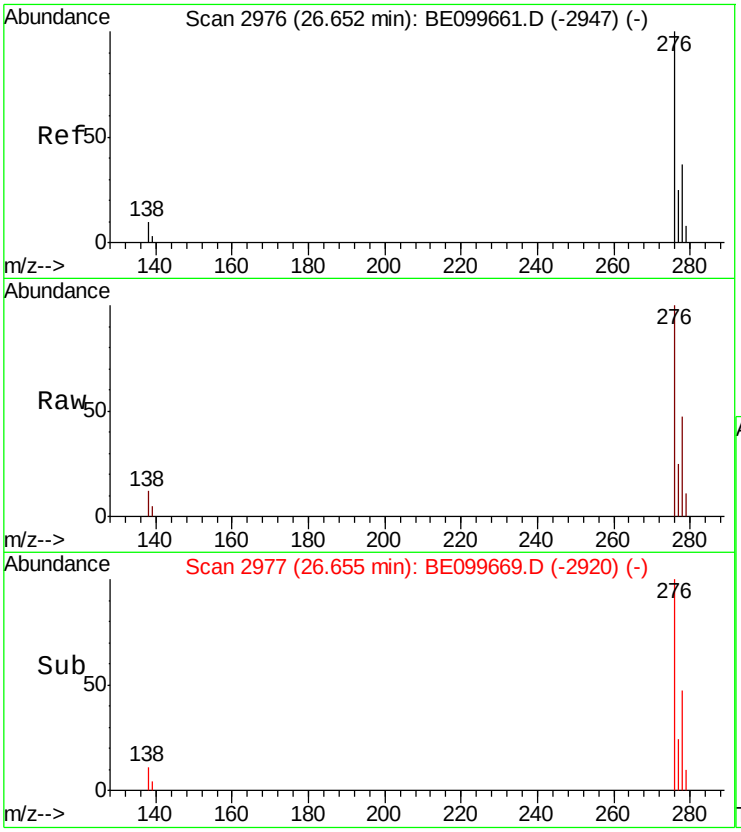


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.344 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:149 Resp: 17292

Ion	Ratio	Lower	Upper
149	100		
167	7.7	6.2	9.4
279	1.6	1.2	1.8



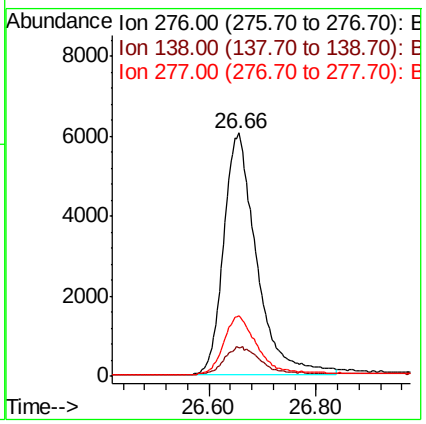


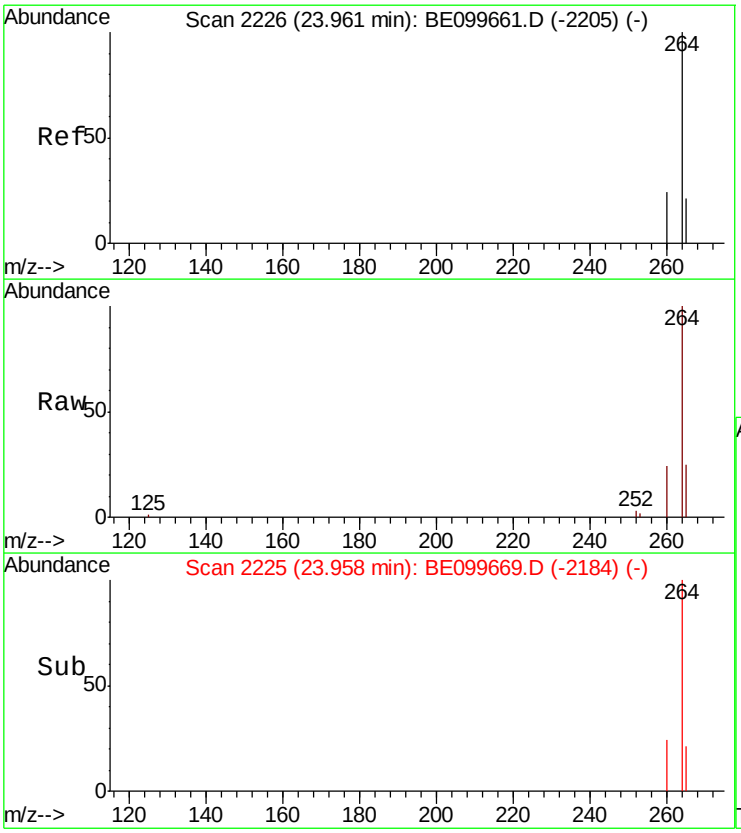
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.456 ng
RT: 26.66 min Scan# 2977
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:276 Resp: 25667

Ion	Ratio	Lower	Upper
276	100		
138	12.2	9.6	14.4
277	24.1	19.2	28.8

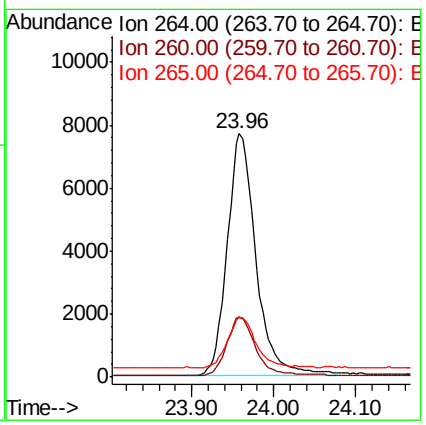


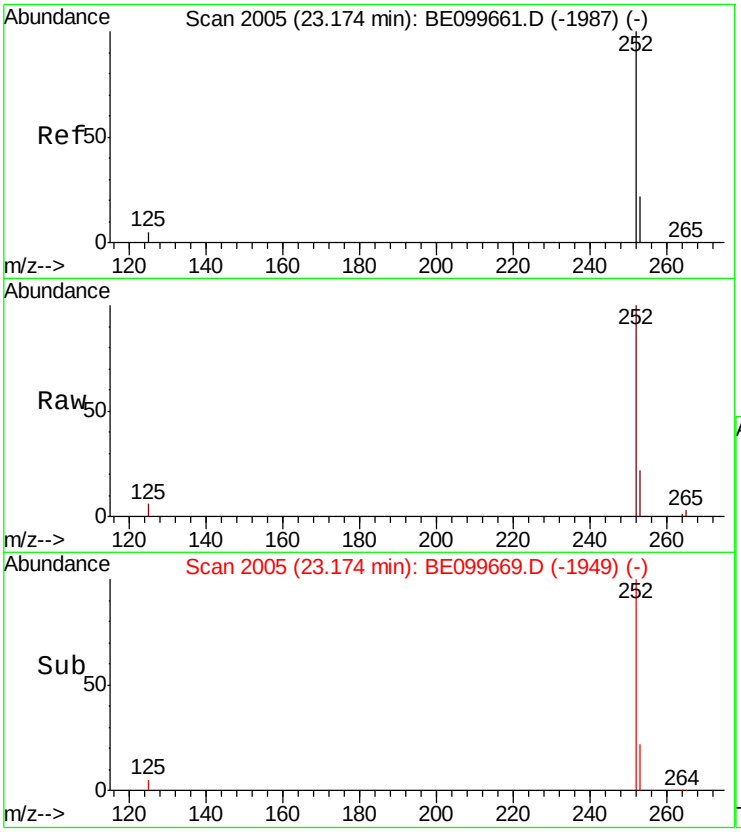


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:264 Resp: 18708

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	24.7	19.1	28.7



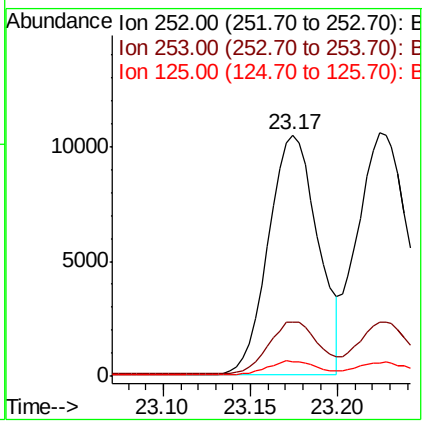


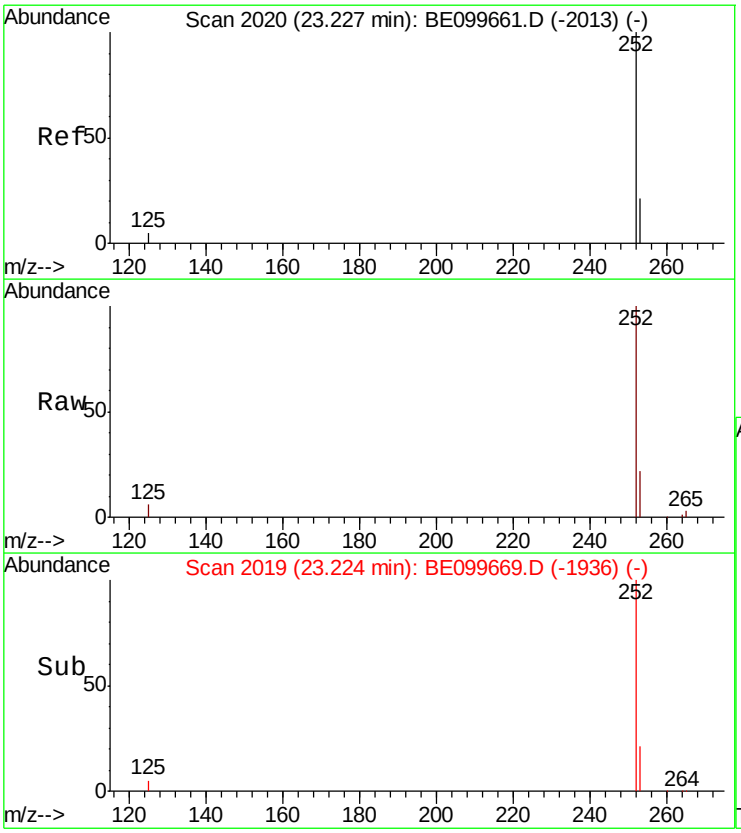
#35
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:252 Resp: 20546

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	6.2	4.5	6.7

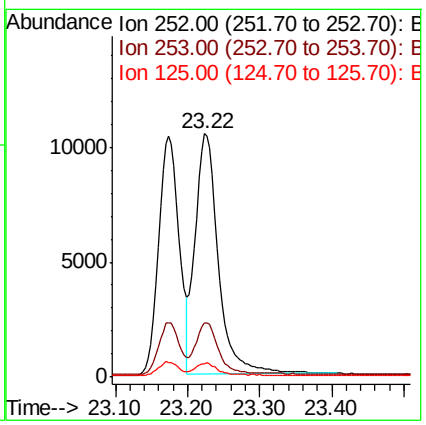


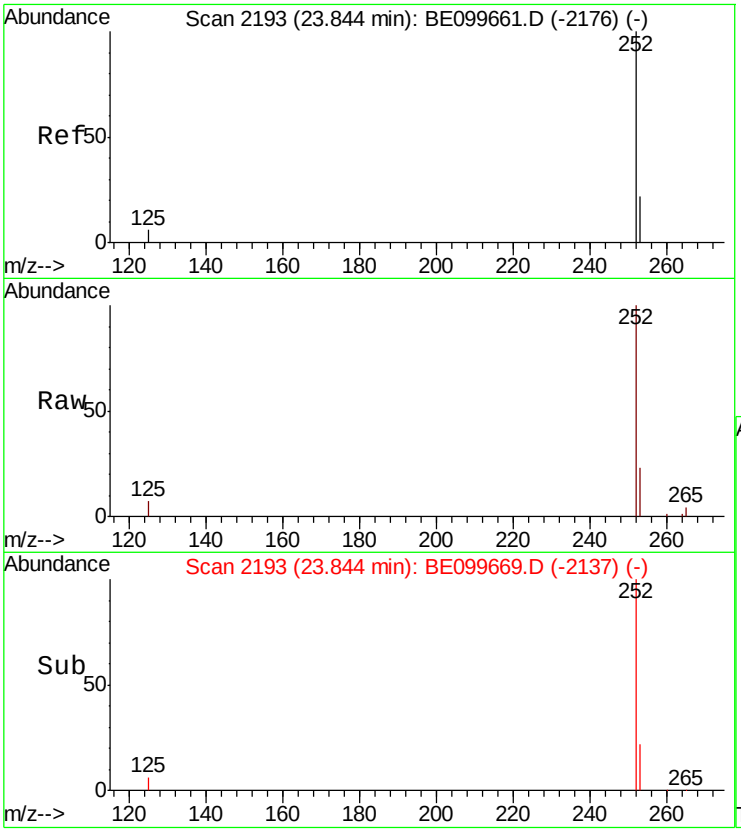


#36
Benzo(k)fluoranthene
Concen: 0.445 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:252 Resp: 23772

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	5.5	4.6	6.8



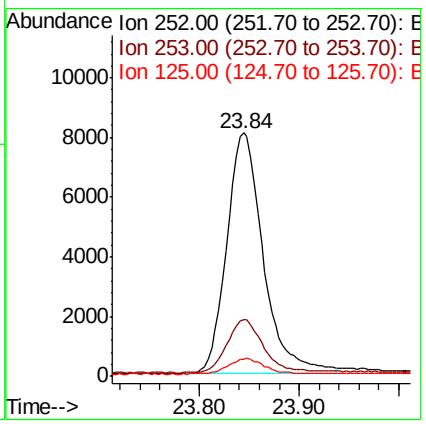


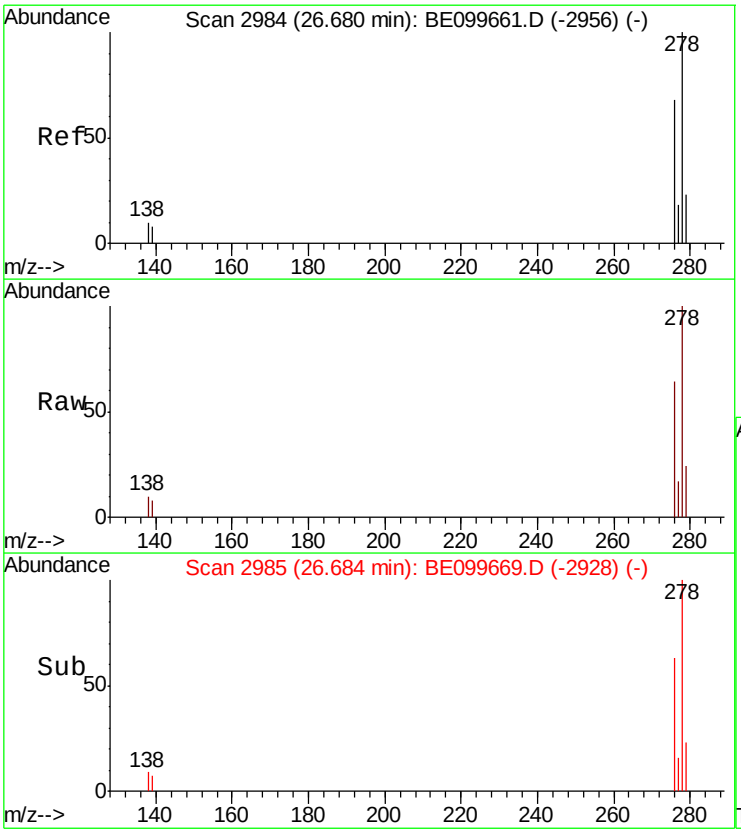
#37
Benzo(a)pyrene
Concen: 0.417 ng
RT: 23.84 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:252 Resp: 20581

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.9	28.3
125	7.0	5.4	8.0

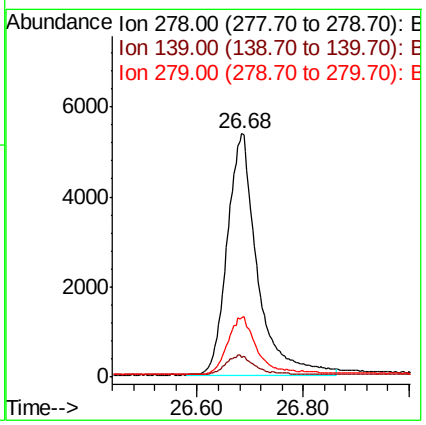


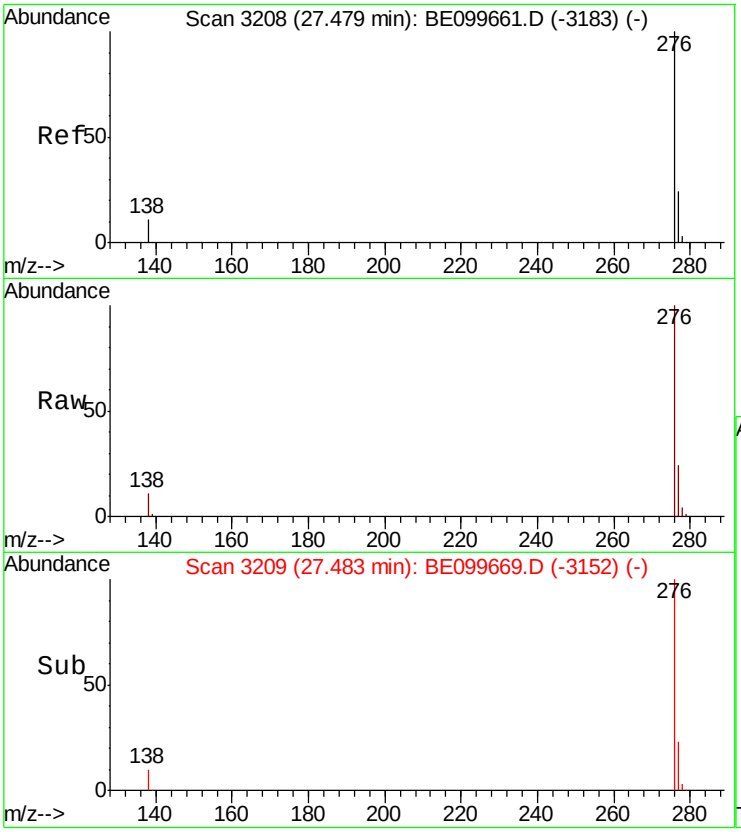


#38
Dibenzo(a,h)anthracene
Concen: 0.410 ng
RT: 26.68 min Scan# 2985
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:278 Resp: 21230

Ion	Ratio	Lower	Upper
278	100		
139	8.3	6.9	10.3
279	24.3	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.425 ng
RT: 27.48 min Scan# 3209
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:276 Resp: 22228

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.8	29.6
138	11.1	9.2	13.8