Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
Data File : BE099649.D
Acq On : 17 May 2019 13:15
Operator : JU/SJ
Sample : K2838-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FEBH-05(33-33.5)MS

Quant Time: May 17 15:37:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1816	0.40	ng	-0.01
7) Naphthalene-d8	10.62	136	6187	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4250	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11707	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17774	0.40	ng	0.00
34) Perylene-d12	23.96	264	21362	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1513	0.29	ng	0.00
5) Phenol-d6	6.97	99	2023	0.31	ng	-0.01
8) Nitrobenzene-d5	8.98	82	1773	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3793	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	663	0.23	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4634	0.28	ng	0.00
25) Fluoranthene-d10	19.26	212	42715	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	8715	0.27	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	594	0.222	ng	# 45
3) n-Nitrosodimethylamine	3.63	42	397	0.232	ng	# 81
6) bis(2-Chloroethyl)ether	7.23	93	1619	0.295	ng	95
9) Naphthalene	10.67	128	19851	0.302	ng	100
10) Hexachlorobutadiene	10.94	225	1345	0.279	ng	99
12) 2-Methylnaphthalene	12.30	142	3200	0.294	ng	99
16) Acenaphthylene	14.20	152	5452	0.272	ng	99
17) Acenaphthene	14.54	154	3149	0.278	ng	99
18) Fluorene	15.53	166	4464	0.275	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	1907	0.283	ng	98
21) Hexachlorobenzene	16.53	284	1895	0.286	ng	100
22) Pentachlorophenol	16.88	266	1296	0.611	ng	96
23) Phenanthrene	17.27	178	8434	0.290	ng	99
24) Anthracene	17.36	178	7415	0.277	ng	100
26) Fluoranthene	19.29	202	13074	0.297	ng	100
28) Pyrene	19.65	202	13753	0.304	ng	100
30) Benzo(a)anthracene	21.40	228	16390	0.305	ng	98
31) Chrysene	21.45	228	16007	0.289	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	31757	0.383	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	18841	0.274	ng	100
35) Benzo(b)fluoranthene	23.18	252	15736	0.263	ng	99
36) Benzo(k)fluoranthene	23.23	252	16725	0.284	ng	99
37) Benzo(a)pyrene	23.84	252	15805	0.273	ng	99
38) Dibenzo(a,h)anthracene	26.68	278	15438	0.257	ng	99
39) Benzo(g,h,i)perylene	27.48	276	16032	0.266	ng	99

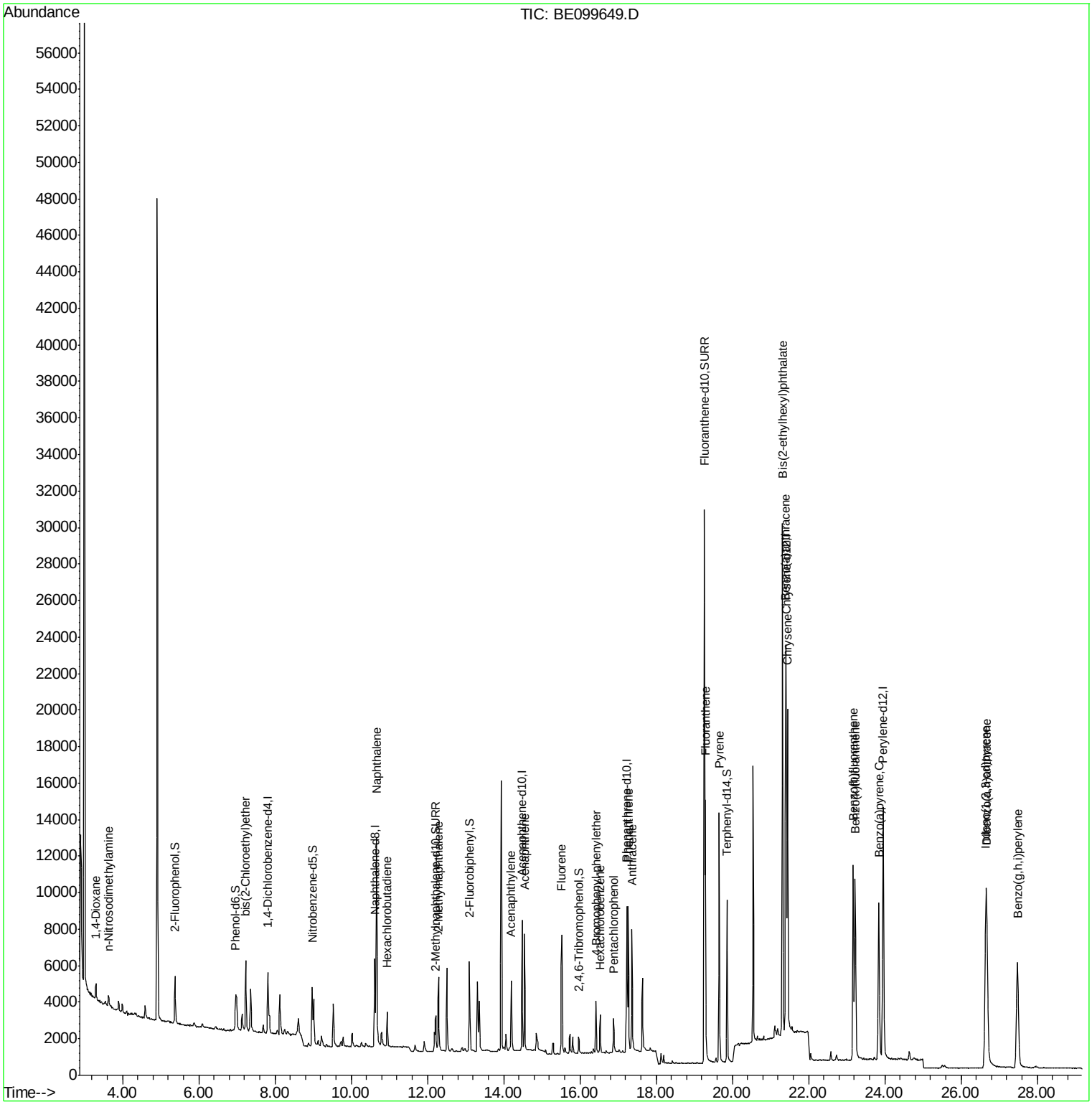
(#) = qualifier out of range (m) = manual integration (+) = signals summed

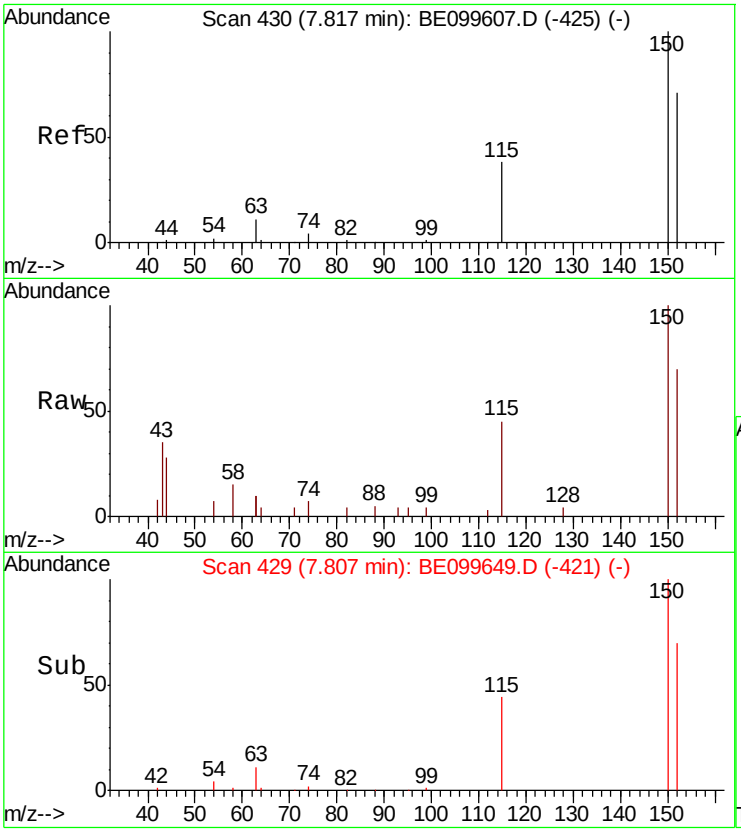
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
Data File : BE099649.D
Acq On : 17 May 2019 13:15
Operator : JU/SJ
Sample : K2838-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Quant Time: May 17 15:37:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration



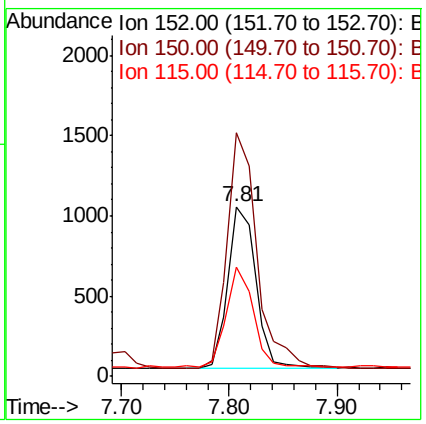


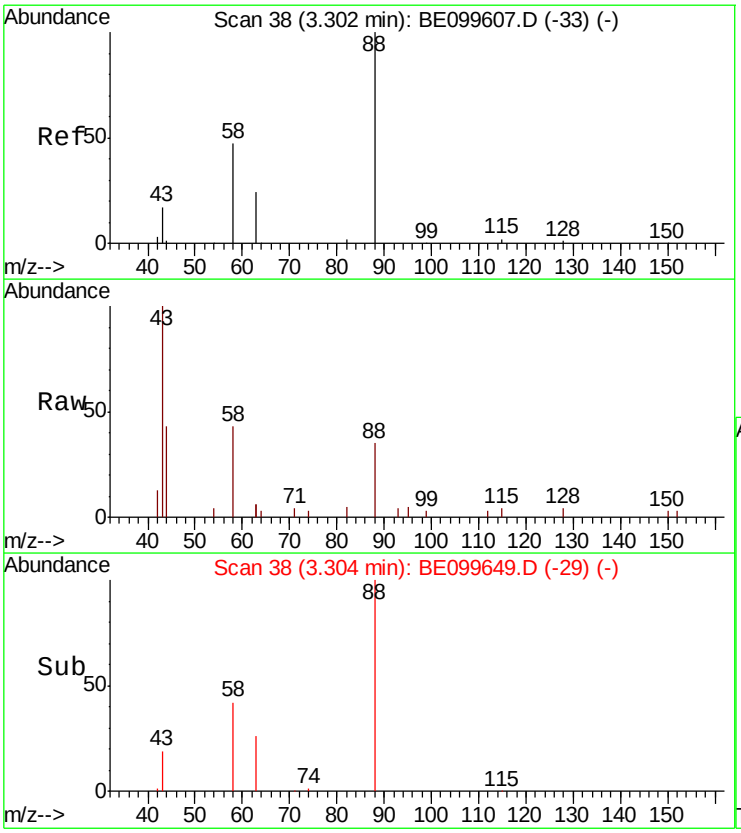
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:152 Resp: 1816

Ion	Ratio	Lower	Upper
152	100		
150	143.8	110.1	165.1
115	64.7	46.2	69.4

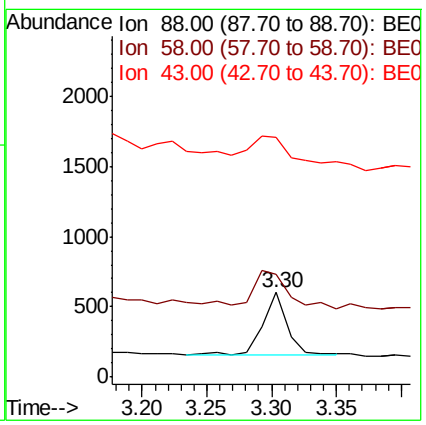


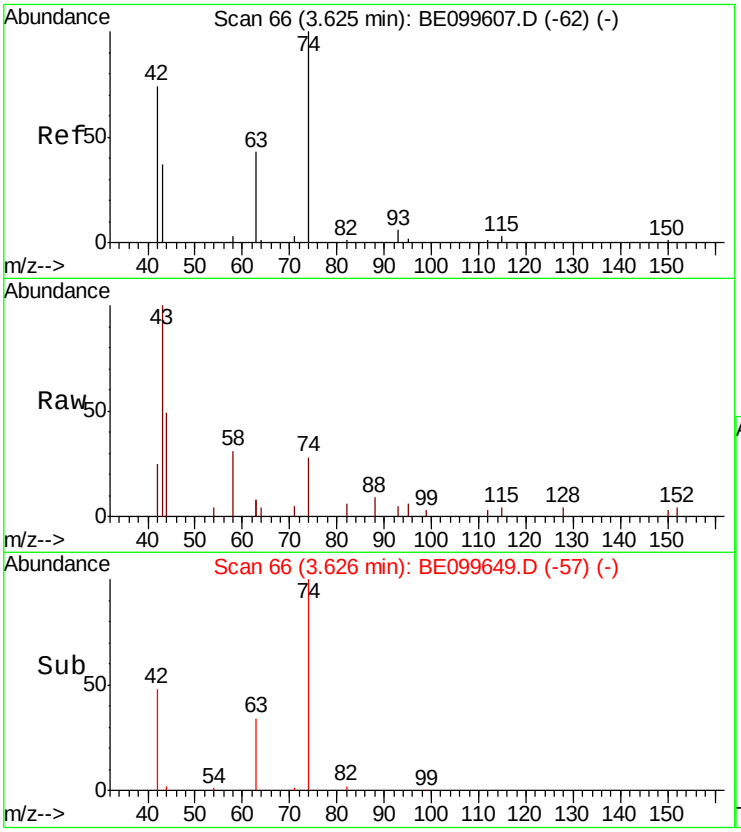


#2
1,4-Dioxane
Concen: 0.222 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion: 88 Resp: 594

Ion	Ratio	Lower	Upper
88	100		
58	81.8	39.8	59.6#
43	62.0	21.0	31.6#



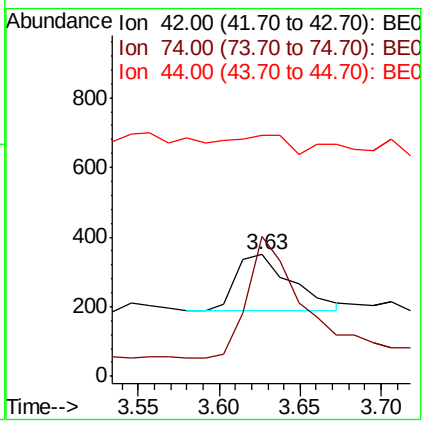


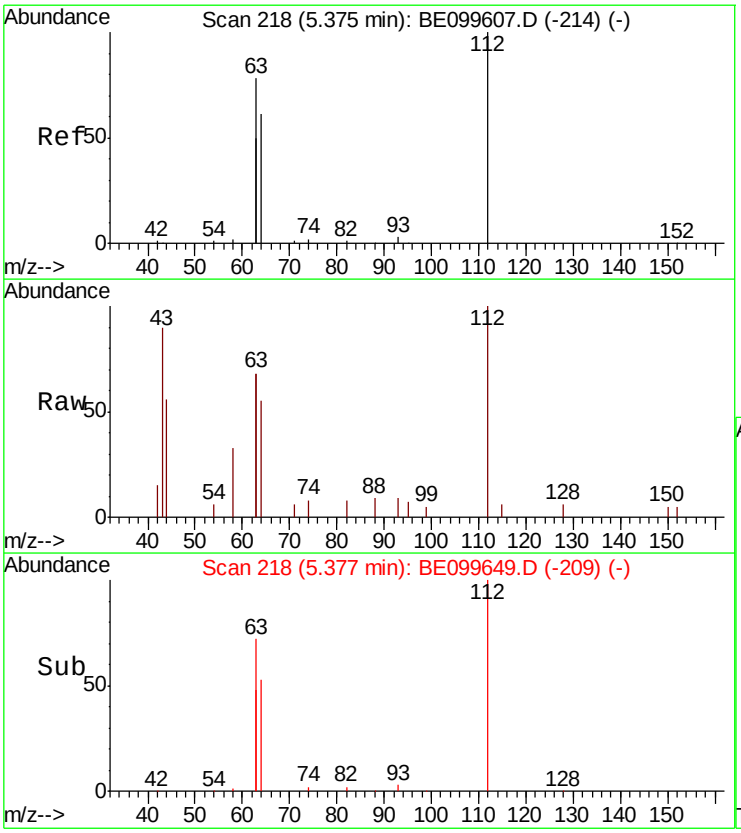
#3
n-Nitrosodimethylamine
Concen: 0.232 ng
RT: 3.63 min Scan# 66
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion: 42 Resp: 397

Ion	Ratio	Lower	Upper
42	100		
74	193.7	134.7	202.1
44	26.2	12.5	18.7#

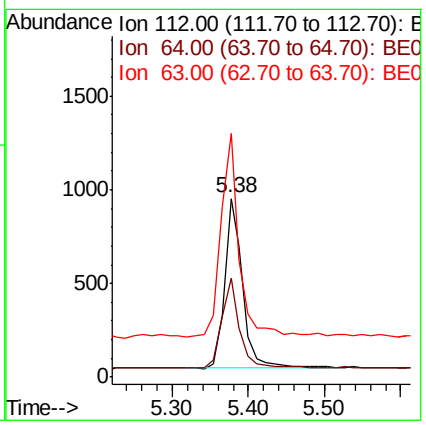


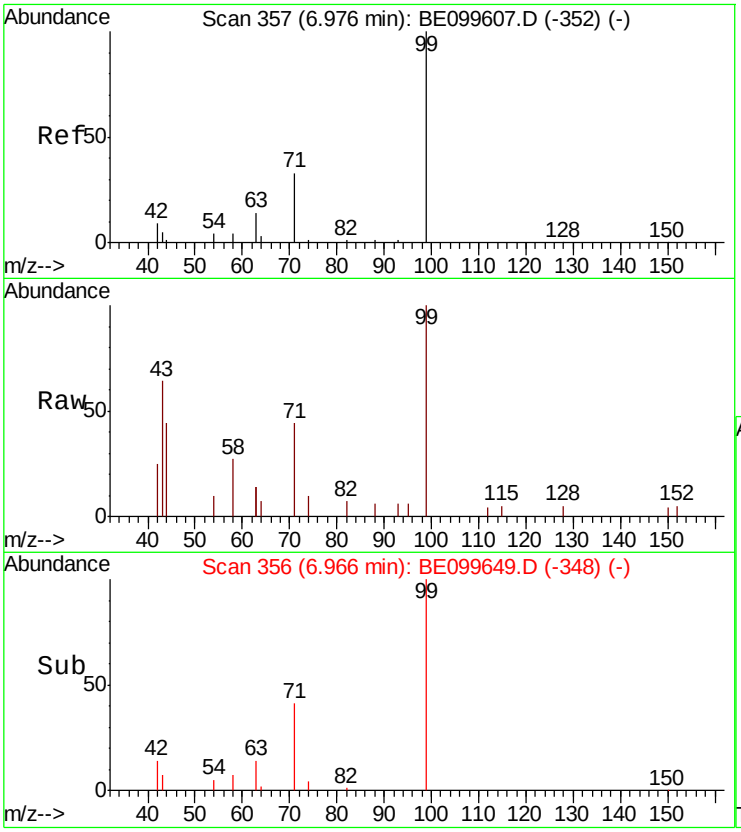


#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:112 Resp: 1513

Ion	Ratio	Lower	Upper
112	100		
64	52.6	43.7	65.5
63	128.1	94.0	141.0



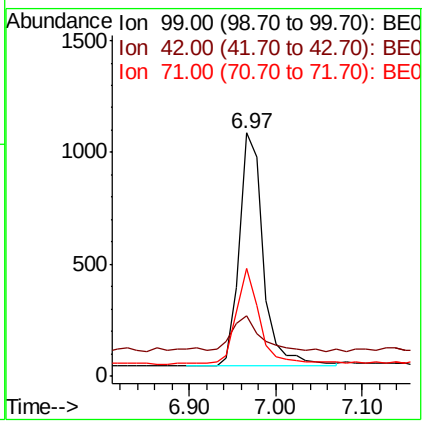


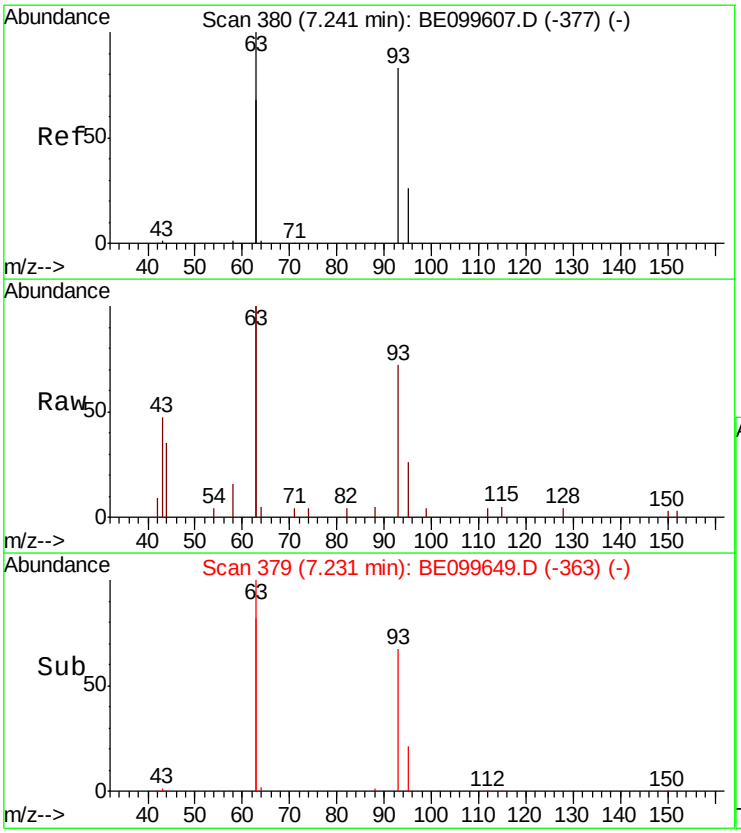
#5
Phenol-d6
Concen: 0.310 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion: 99 Resp: 2023

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.3	21.5
71	38.7	33.1	49.7

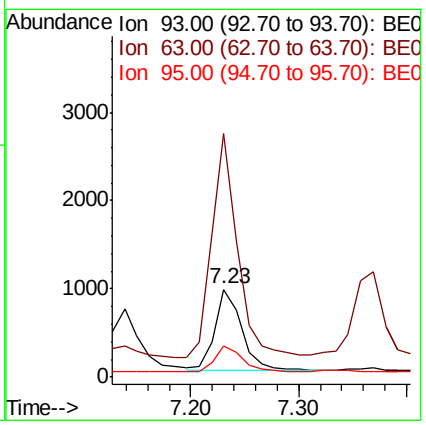


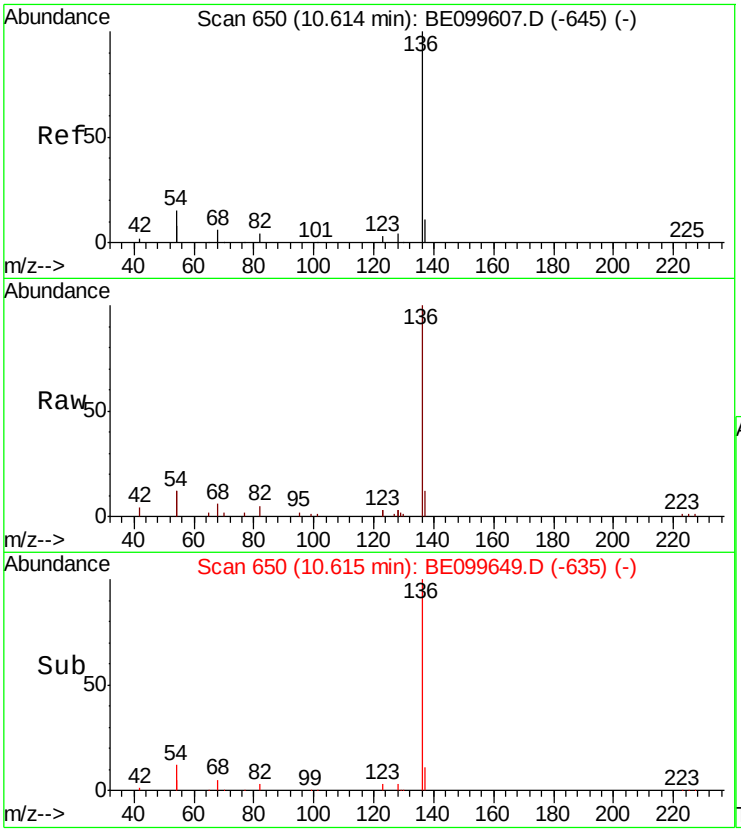


#6
bis(2-Chloroethyl)ether
Concen: 0.295 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion: 93 Resp: 1619

Ion	Ratio	Lower	Upper
93	100		
63	260.1	201.0	301.4
95	31.5	25.0	37.4



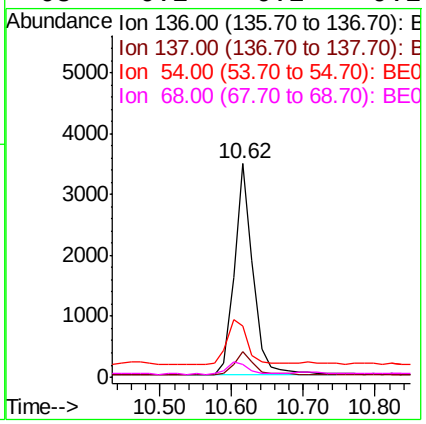


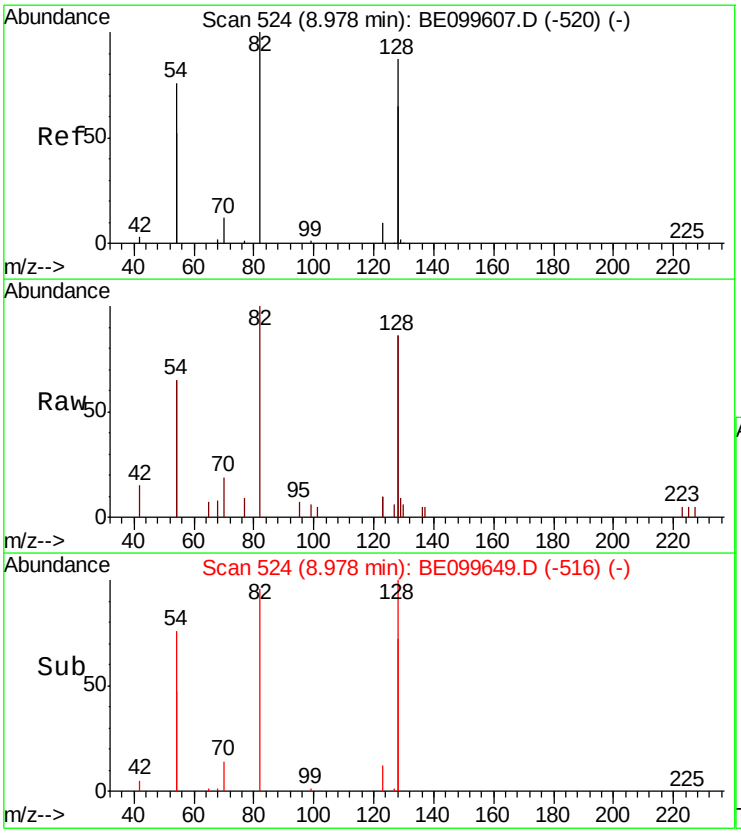
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.62 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:136 Resp: 6187

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	23.7	23.8	35.8#
68	6.2	6.2	9.2

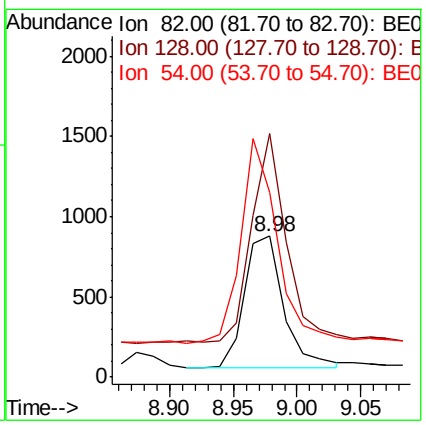


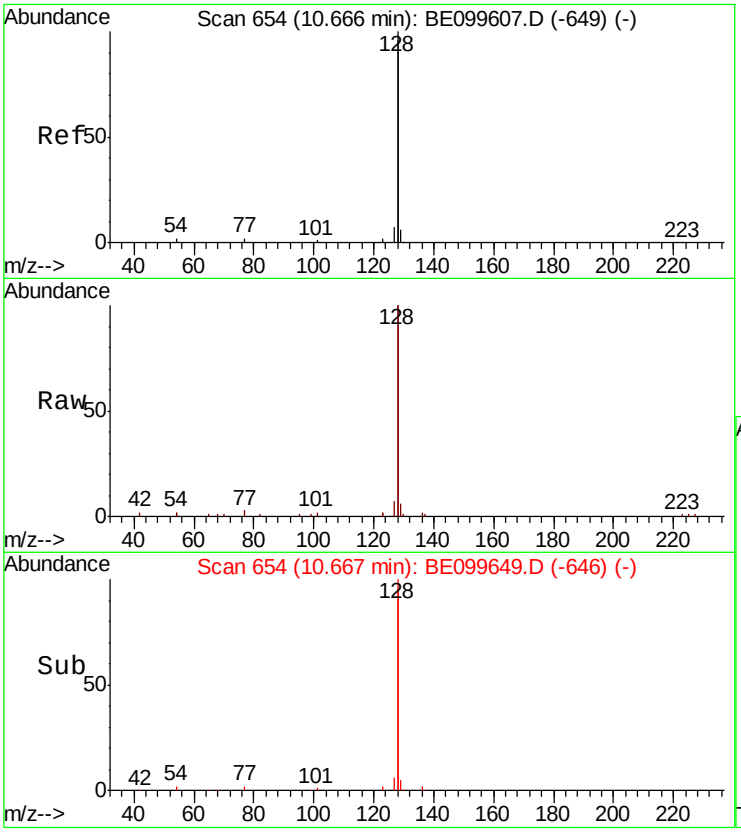


#8
Nitrobenzene-d5
Concen: 0.296 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion: 82 Resp: 1773

Ion	Ratio	Lower	Upper
82	100		
128	172.7	131.4	197.2
54	130.8	113.9	170.9



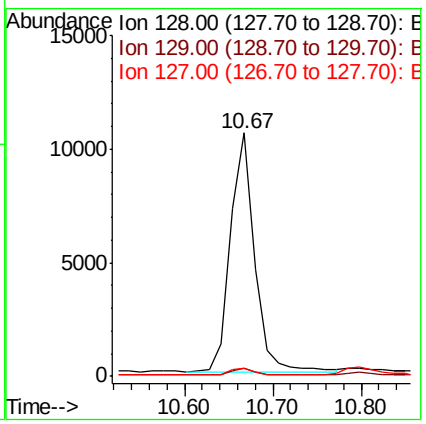


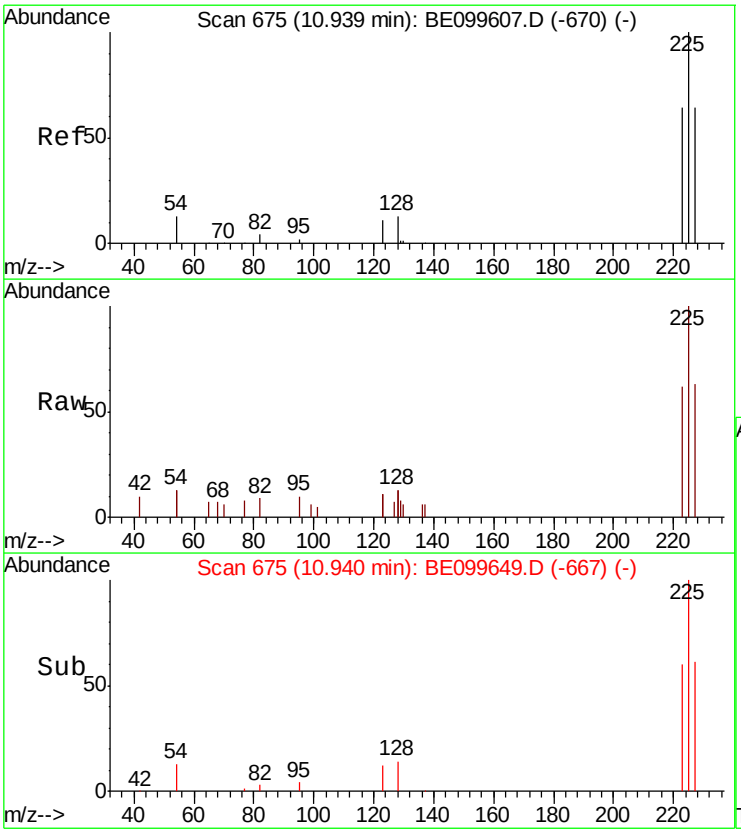
#9
Naphthalene
Concen: 0.302 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:128 Resp: 19851

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	4.0
127	3.6	3.0	4.6

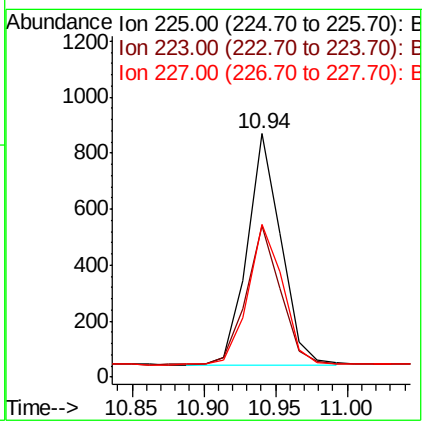


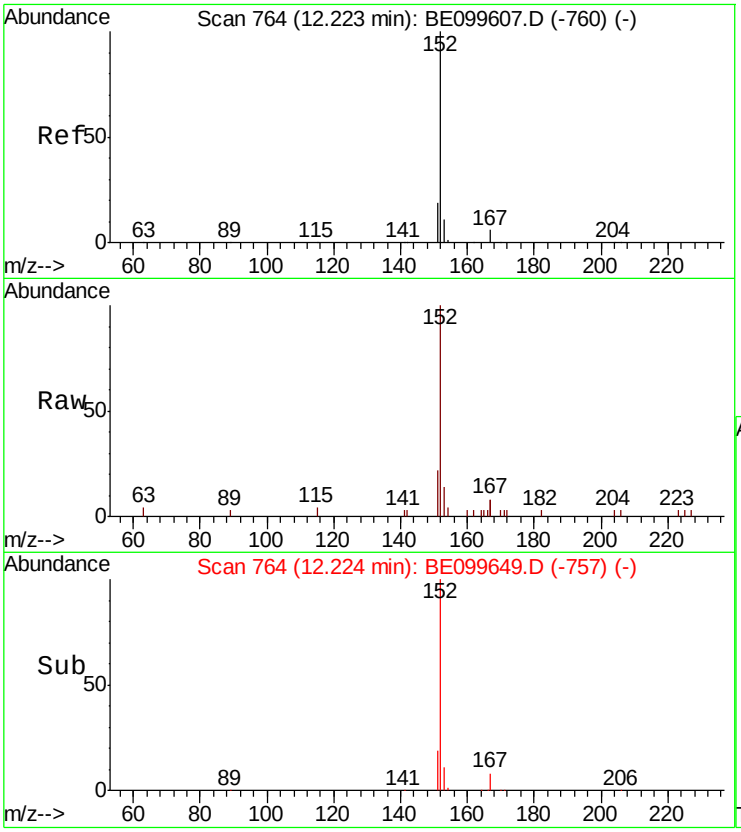


#10
Hexachlorobutadiene
Concen: 0.279 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:225 Resp: 1345

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.8	74.8
227	63.0	51.2	76.8



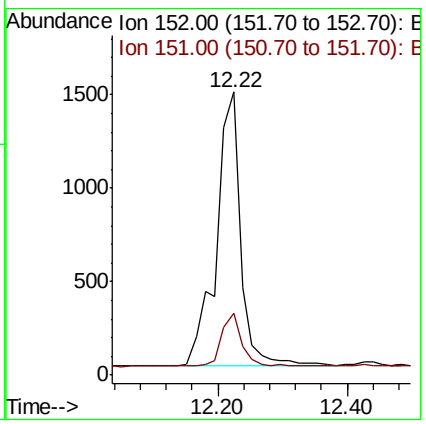


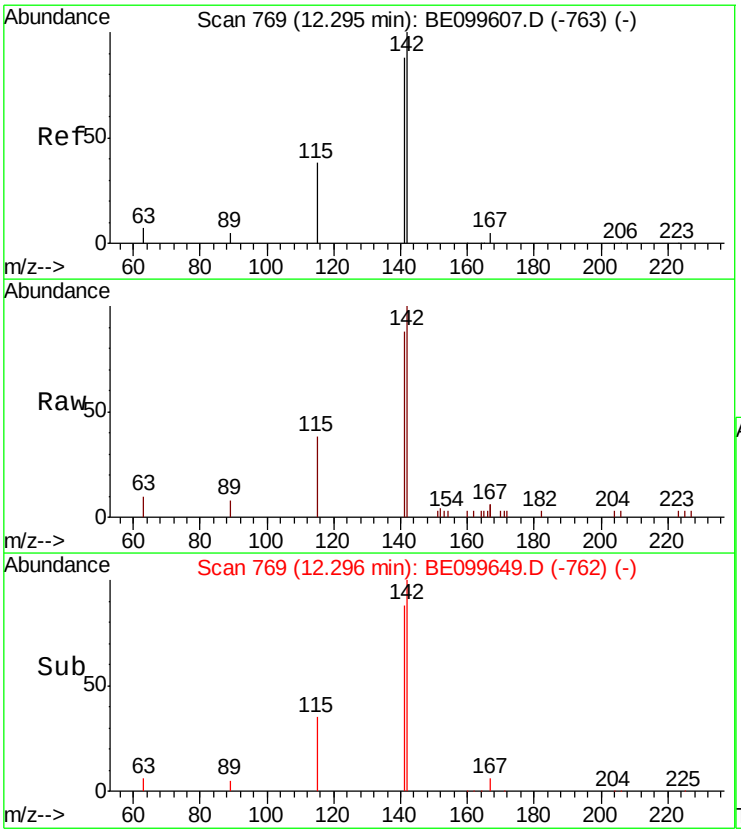
#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:152 Resp: 3793

Ion	Ratio	Lower	Upper
152	100		
151	16.1	15.3	22.9

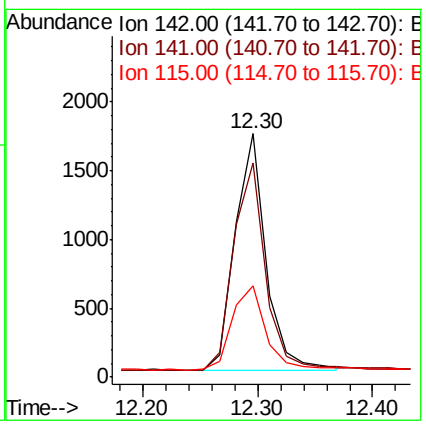


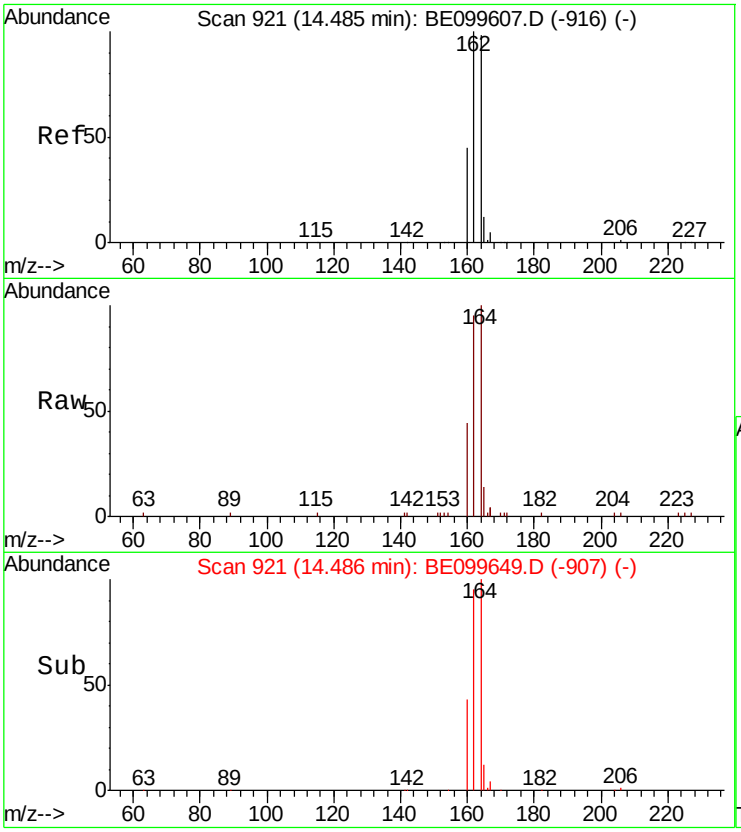


#12
2-Methylnaphthalene
Concen: 0.294 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:142 Resp: 3200

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	37.7	32.2	48.4



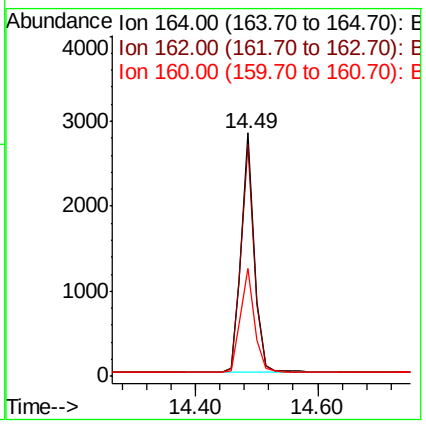


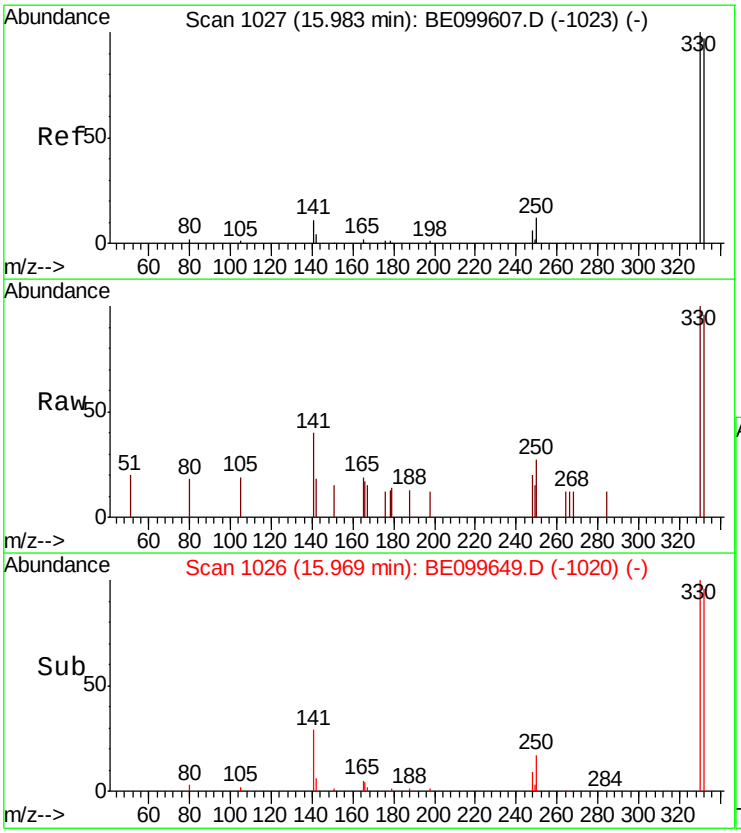
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:164 Resp: 4250

Ion	Ratio	Lower	Upper
164	100		
162	95.4	81.4	122.0
160	44.1	37.4	56.2

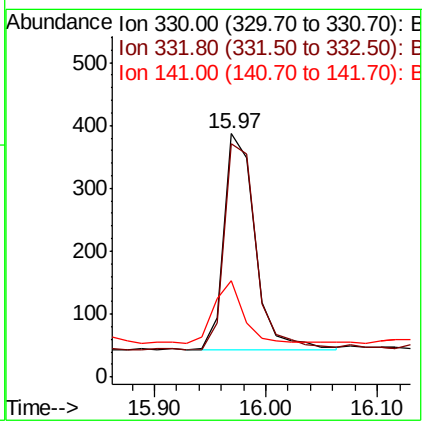


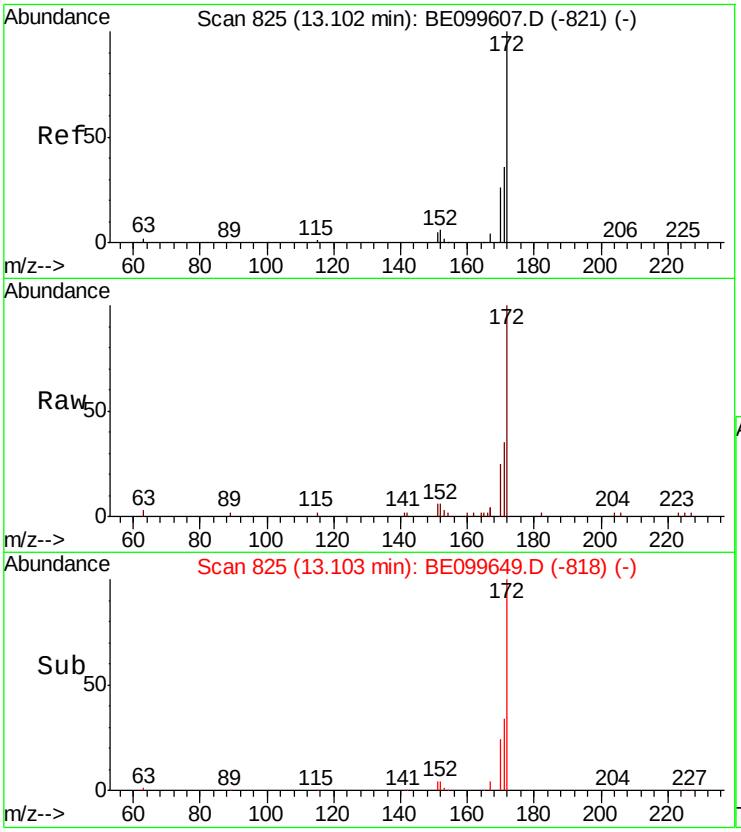


#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:330 Resp: 663

Ion	Ratio	Lower	Upper
330	100		
332	98.8	73.8	110.8
141	27.3	21.0	31.6



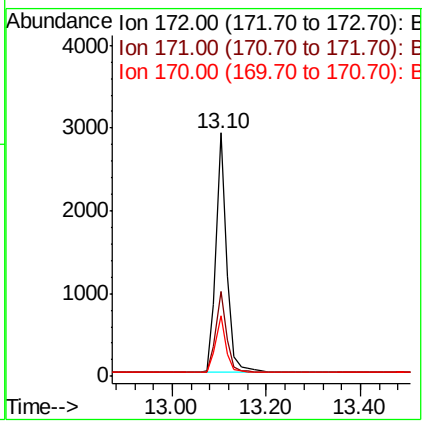


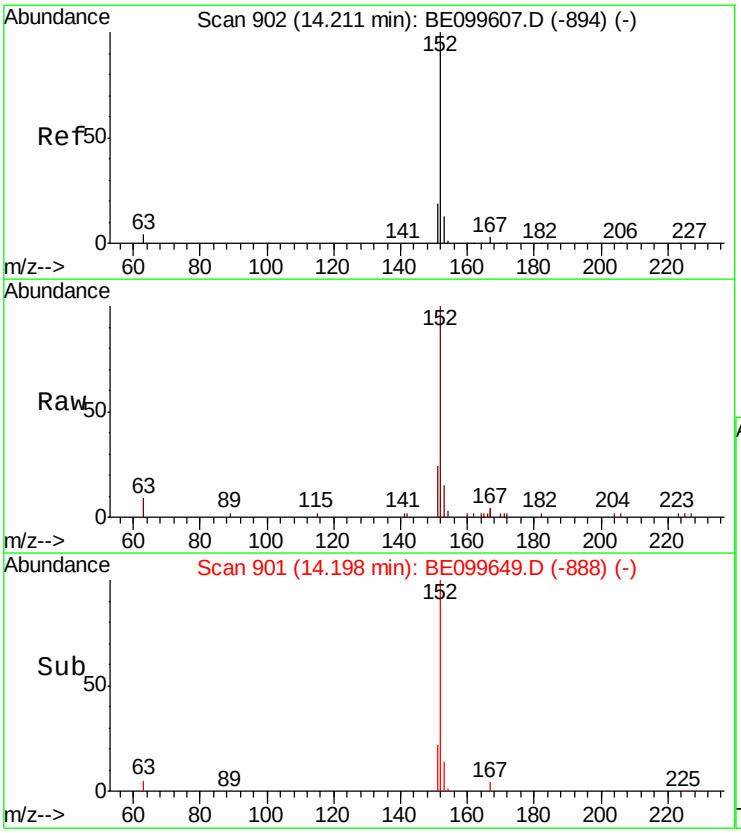
#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:172 Resp: 4634

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.4	44.2
170	25.0	21.5	32.3

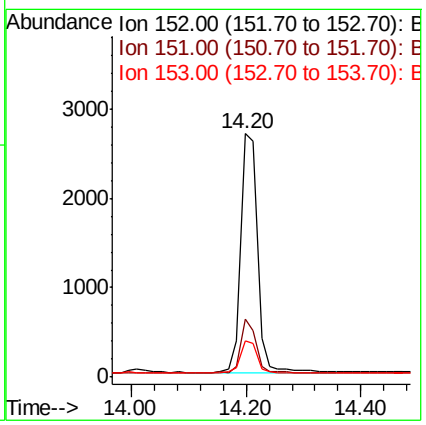


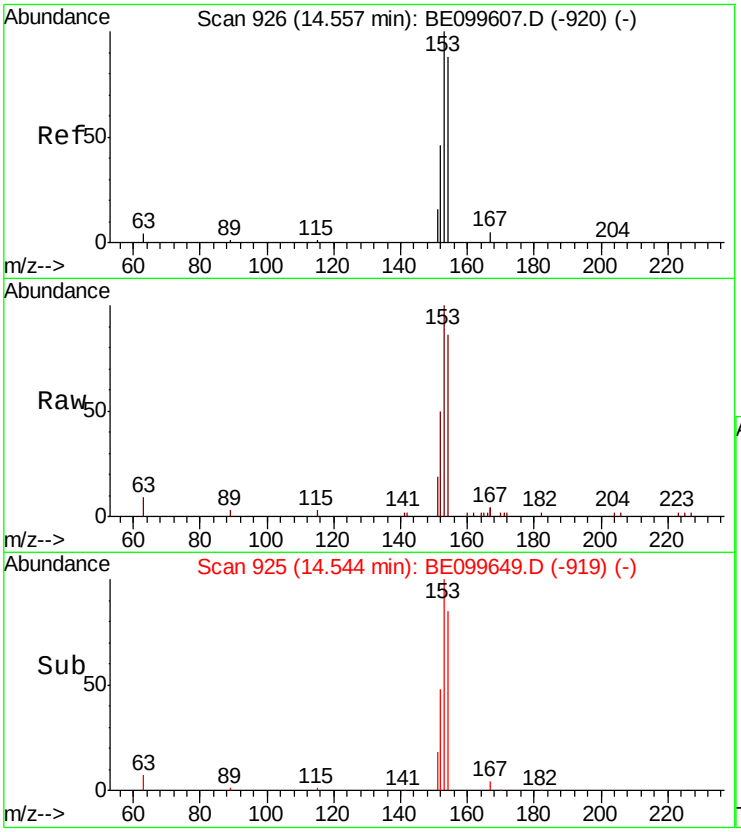


#16
Acenaphthylene
Concen: 0.272 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:152 Resp: 5452

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.6	23.4
153	12.9	10.4	15.6



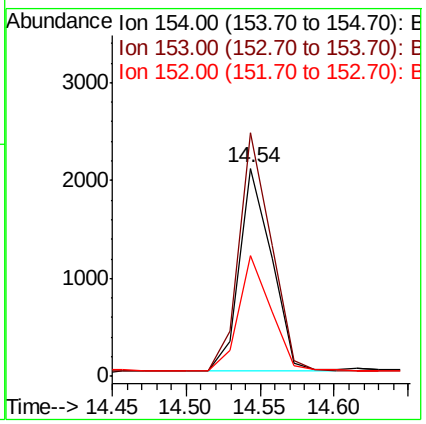


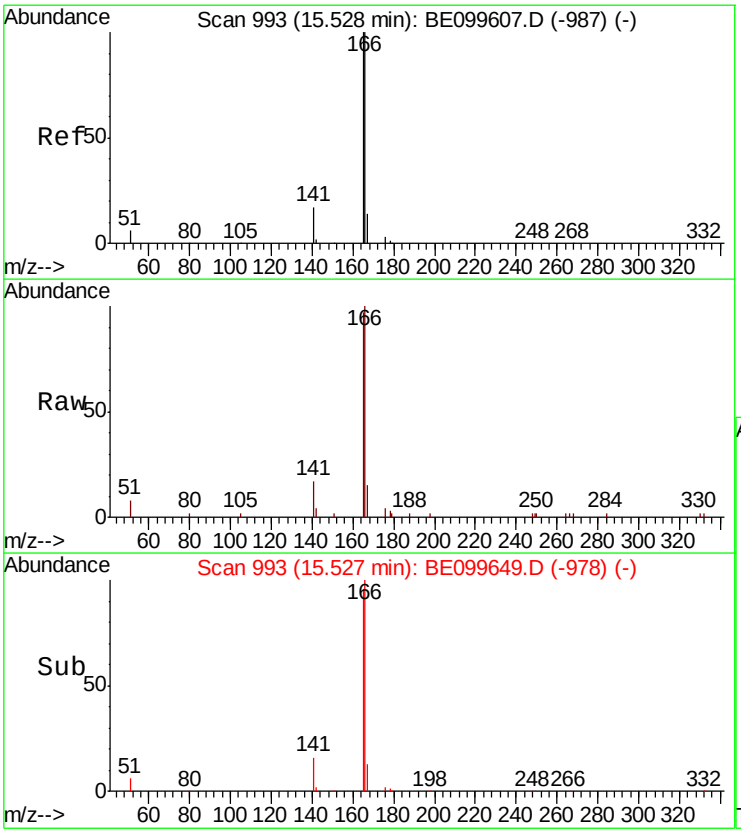
#17
Acenaphthene
Concen: 0.278 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:154 Resp: 3149

Ion	Ratio	Lower	Upper
154	100		
153	117.5	94.1	141.1
152	56.8	46.5	69.7

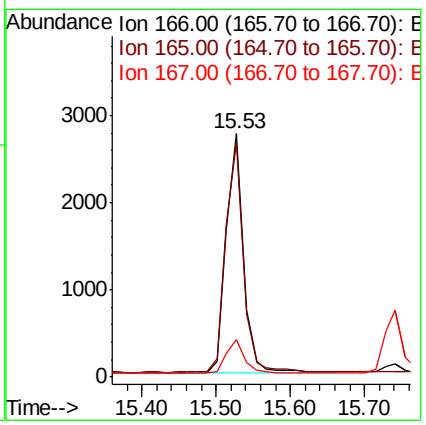


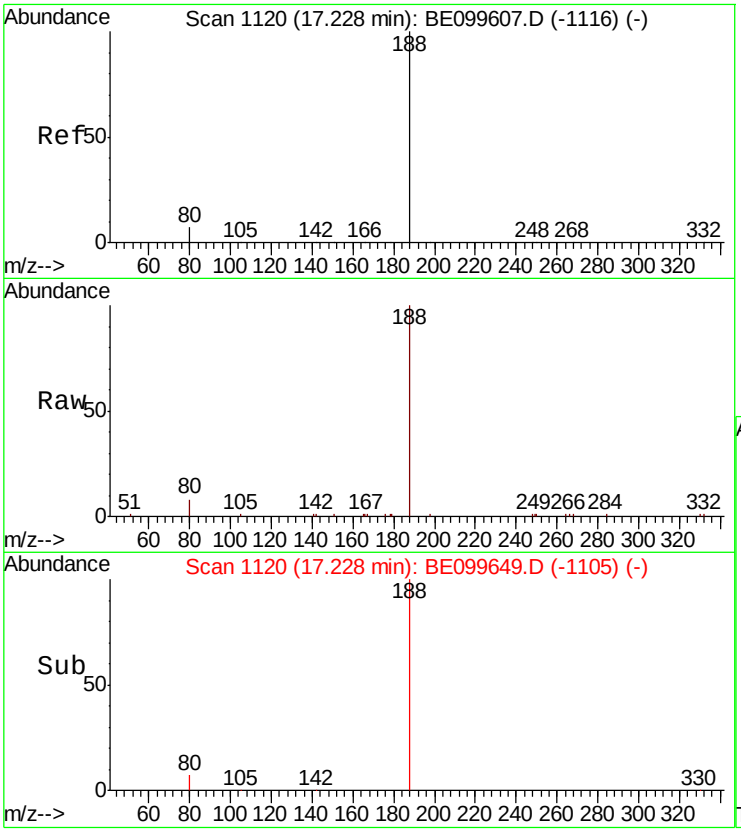


#18
Fluorene
Concen: 0.275 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:166 Resp: 4464

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.8	119.8
167	13.6	11.2	16.8



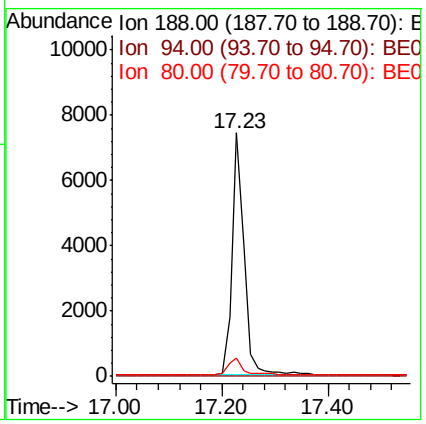


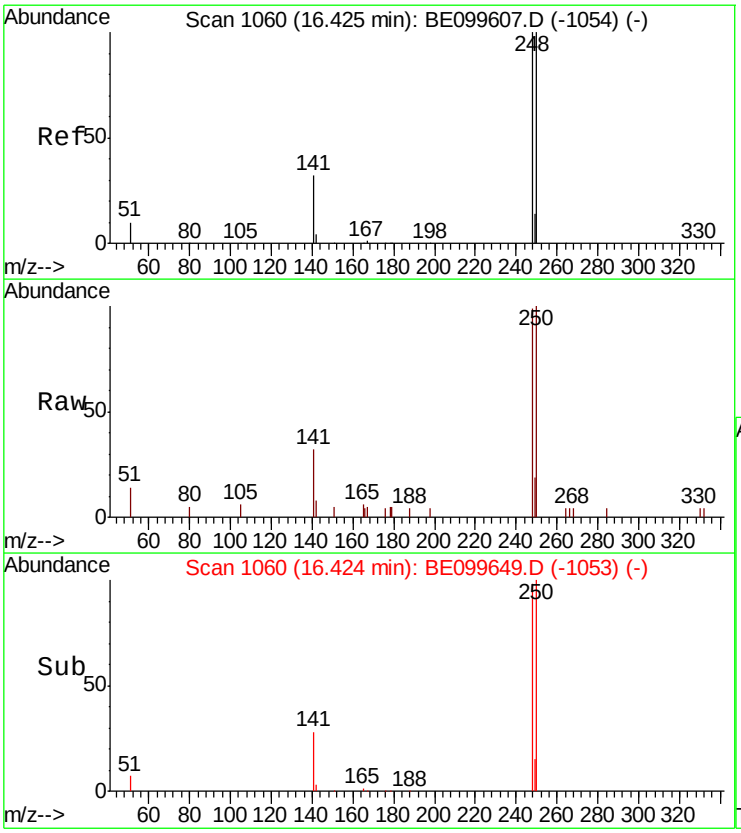
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:188 Resp: 11707

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	6.4	9.6

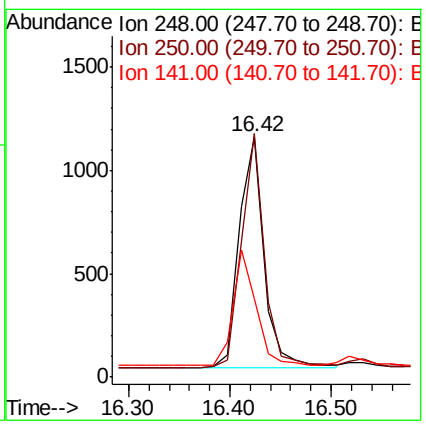


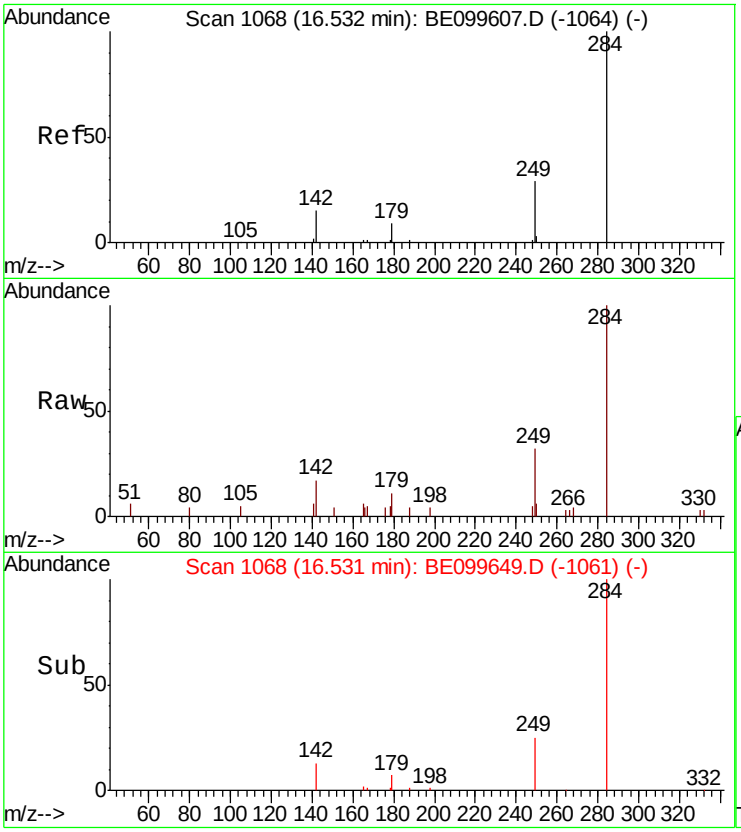


#20
4-Bromophenyl-phenylether
Concen: 0.283 ng
RT: 16.42 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:248 Resp: 1907

Ion	Ratio	Lower	Upper
248	100		
250	101.5	80.4	120.6
141	32.5	27.8	41.8



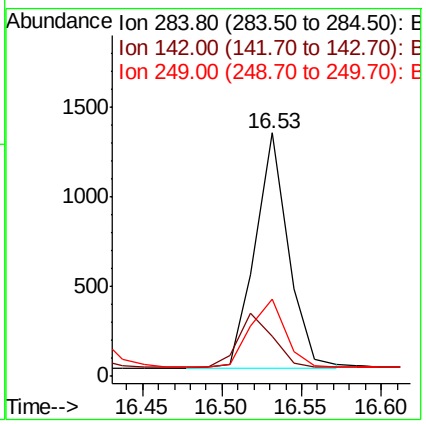


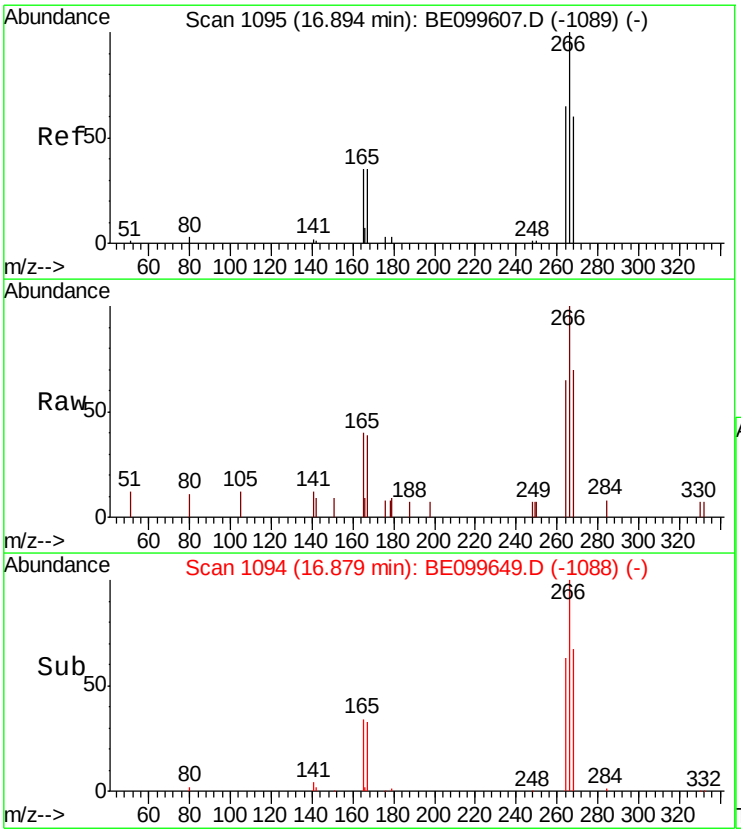
#21
Hexachlorobenzene
Concen: 0.286 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:284 Resp: 1895

Ion	Ratio	Lower	Upper
284	100		
142	24.4	19.4	29.2
249	30.4	24.6	37.0

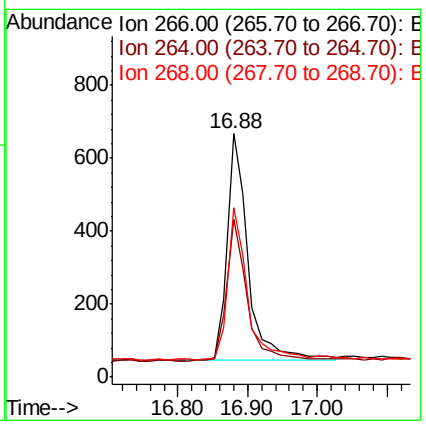


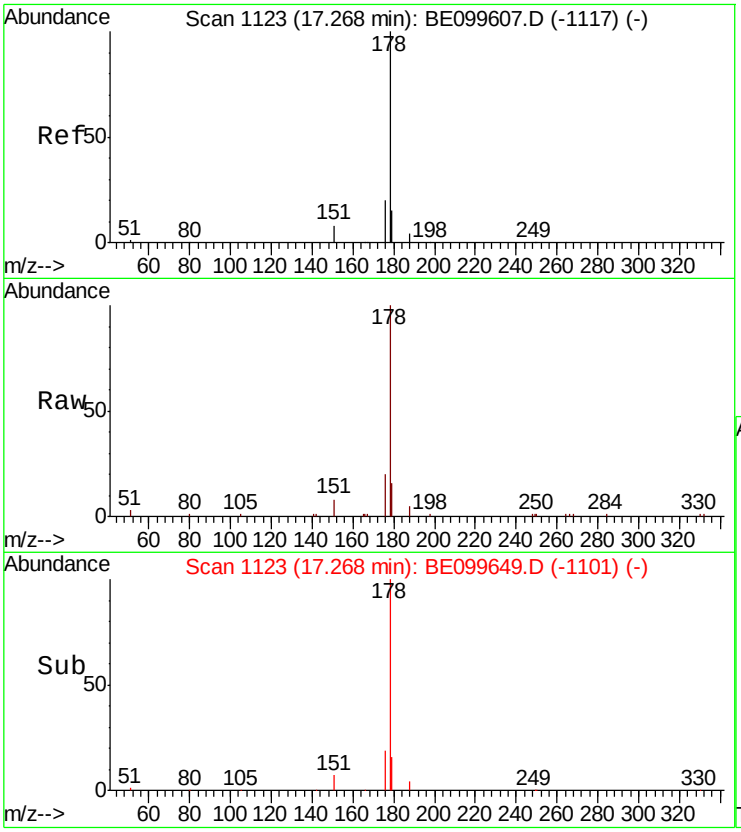


#22
Pentachlorophenol
Concen: 0.611 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:266 Resp: 1296

Ion	Ratio	Lower	Upper
266	100		
264	65.0	57.7	86.5
268	69.6	55.8	83.8



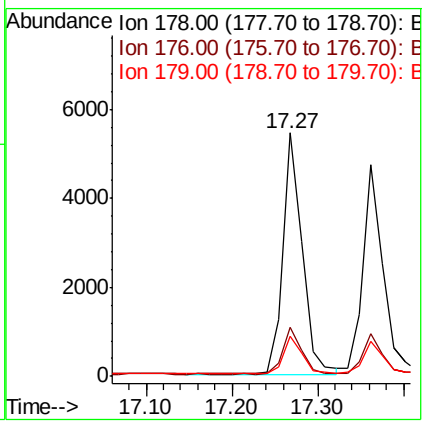


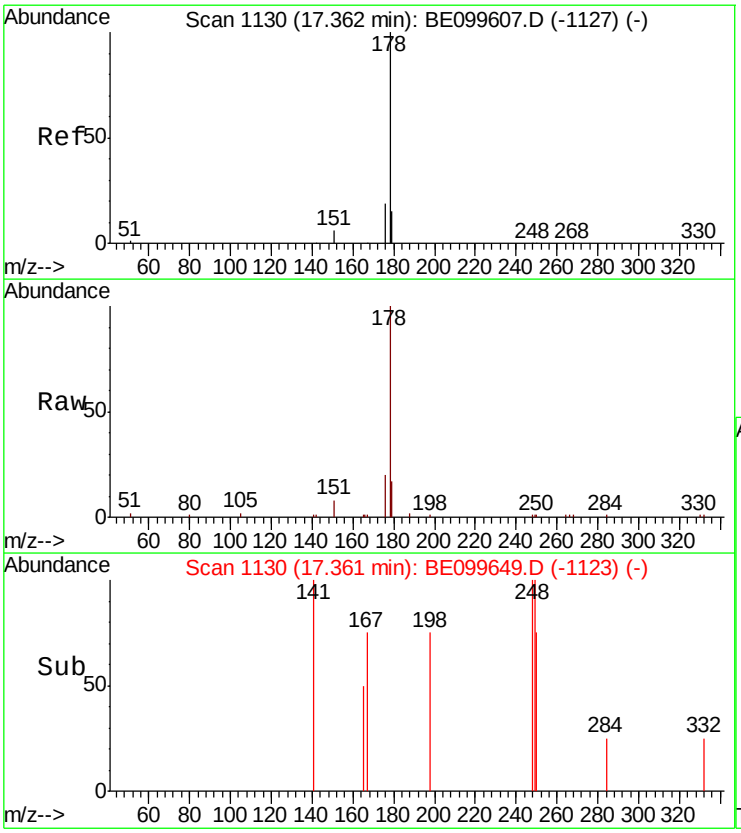
#23
Phenanthrene
Concen: 0.290 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:178 Resp: 8434

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.8	12.2	18.2

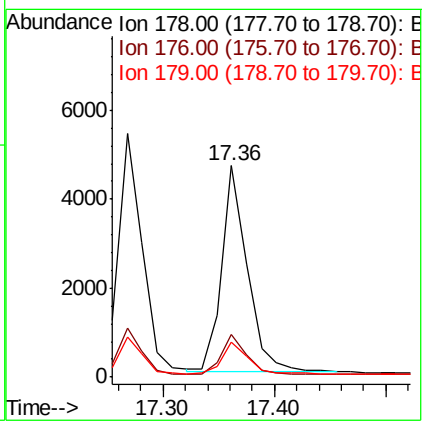


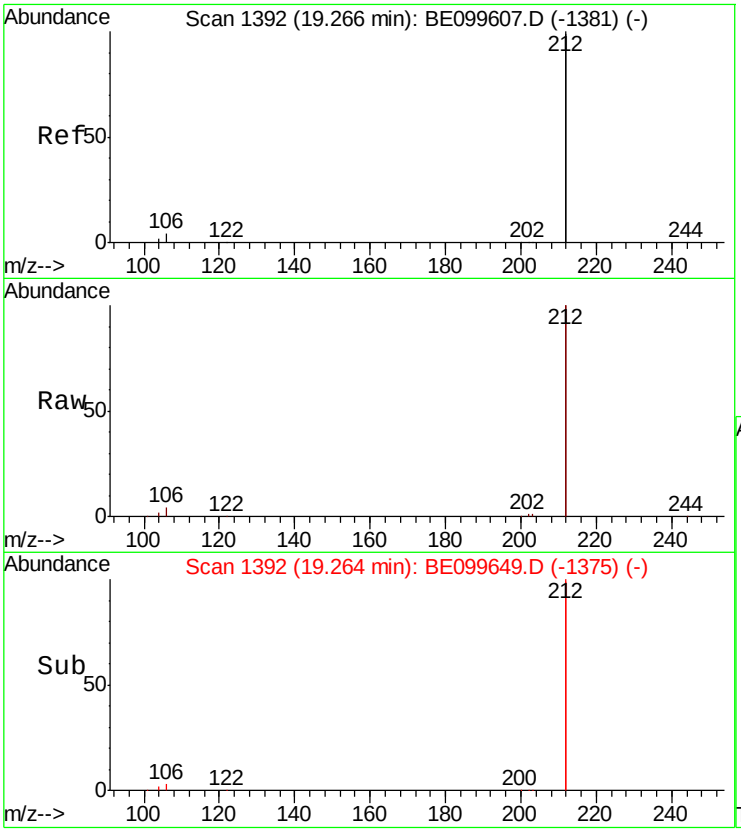


#24
Anthracene
Concen: 0.277 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:178 Resp: 7415

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.1	12.1	18.1



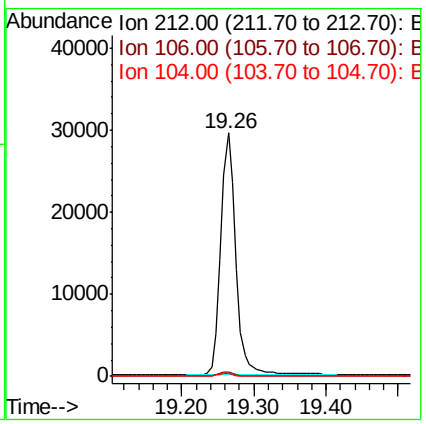


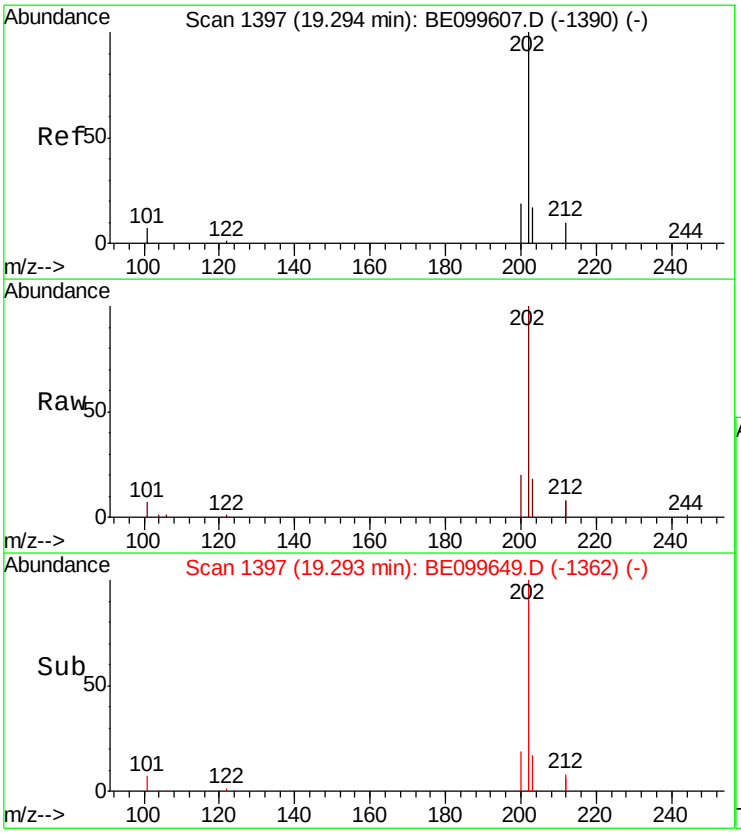
#25
Fluoranthene-d10
Concen: 0.274 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:212 Resp: 42715

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.1	0.9	1.3

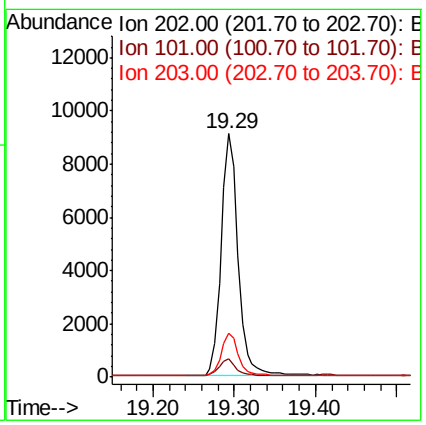


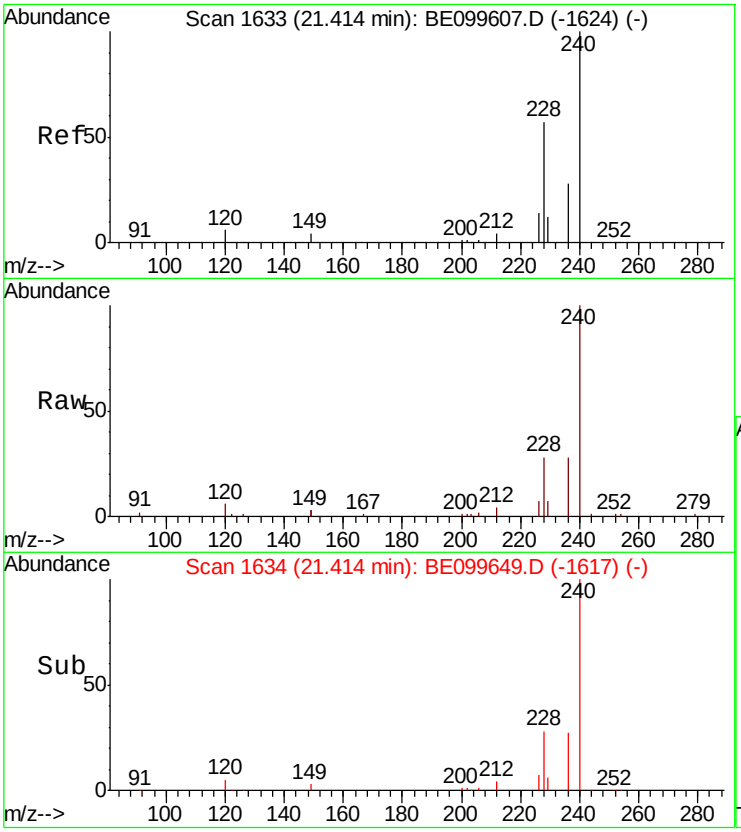


#26
Fluoranthene
Concen: 0.297 ng
RT: 19.29 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:202 Resp: 13074

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.0	7.6
203	17.1	13.7	20.5



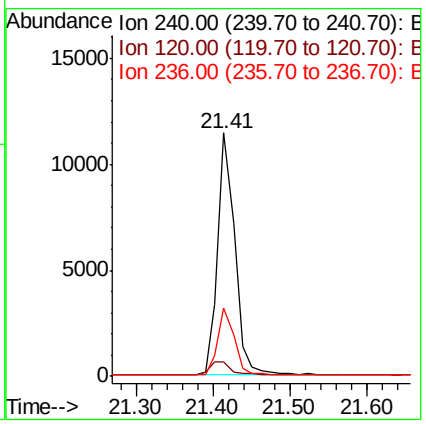


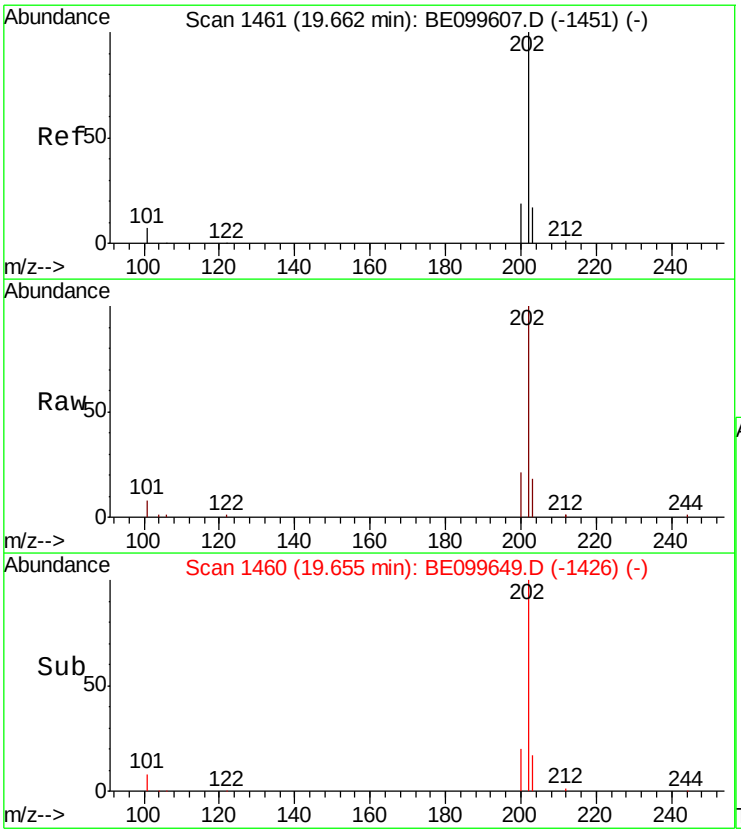
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:240 Resp: 17774

Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.7	8.5
236	27.8	22.8	34.2

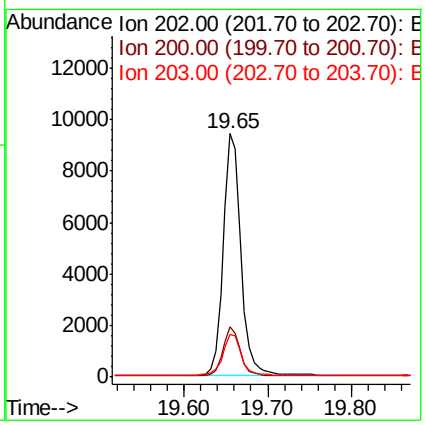


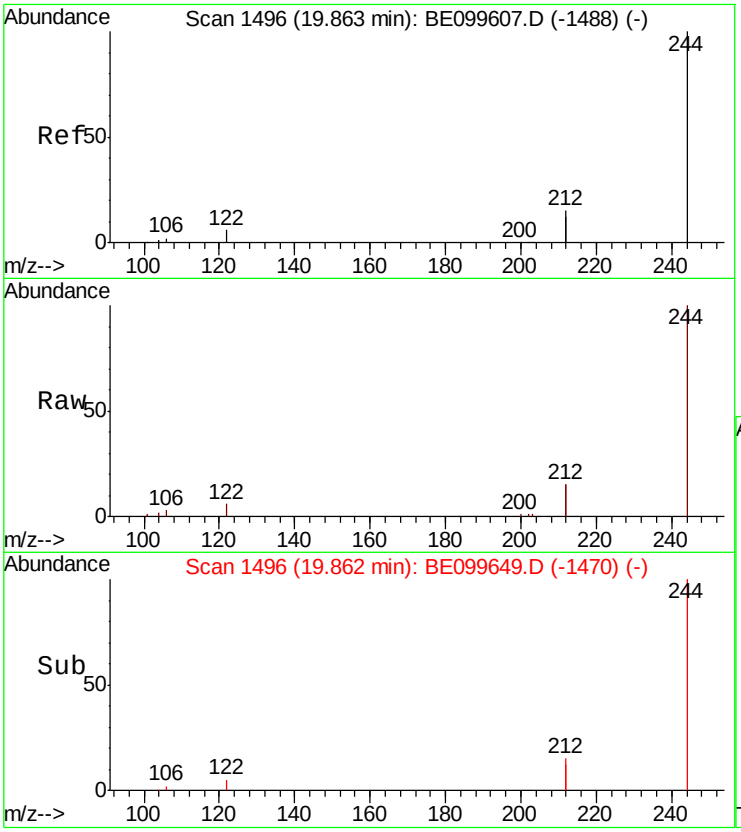


#28
Pyrene
Concen: 0.304 ng
RT: 19.65 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:202 Resp: 13753

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.8	23.6
203	17.9	14.1	21.1



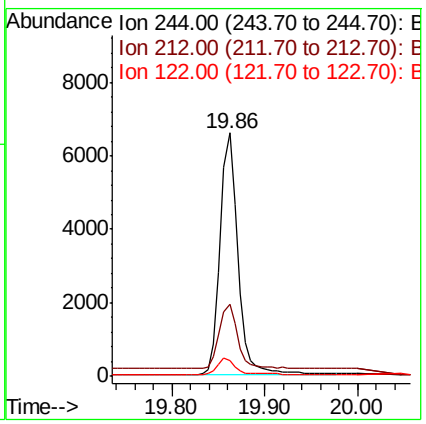


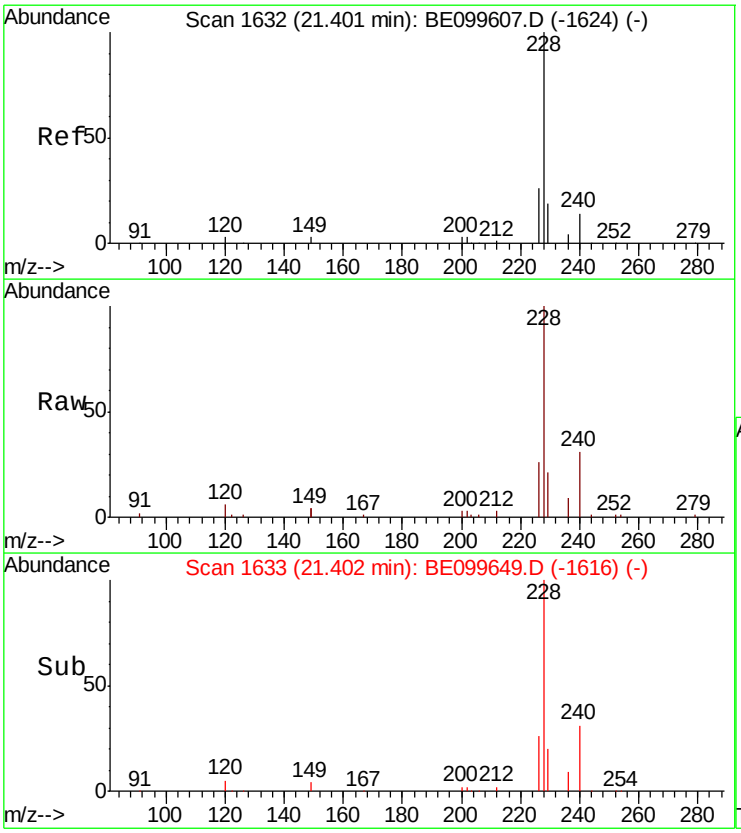
#29
Terphenyl-d14
Concen: 0.272 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:244 Resp: 8715

Ion	Ratio	Lower	Upper
244	100		
212	29.8	23.8	35.6
122	6.2	5.0	7.6

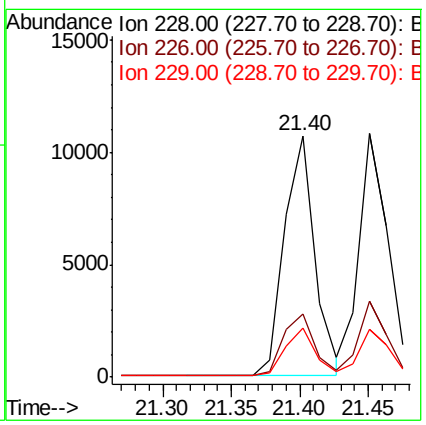


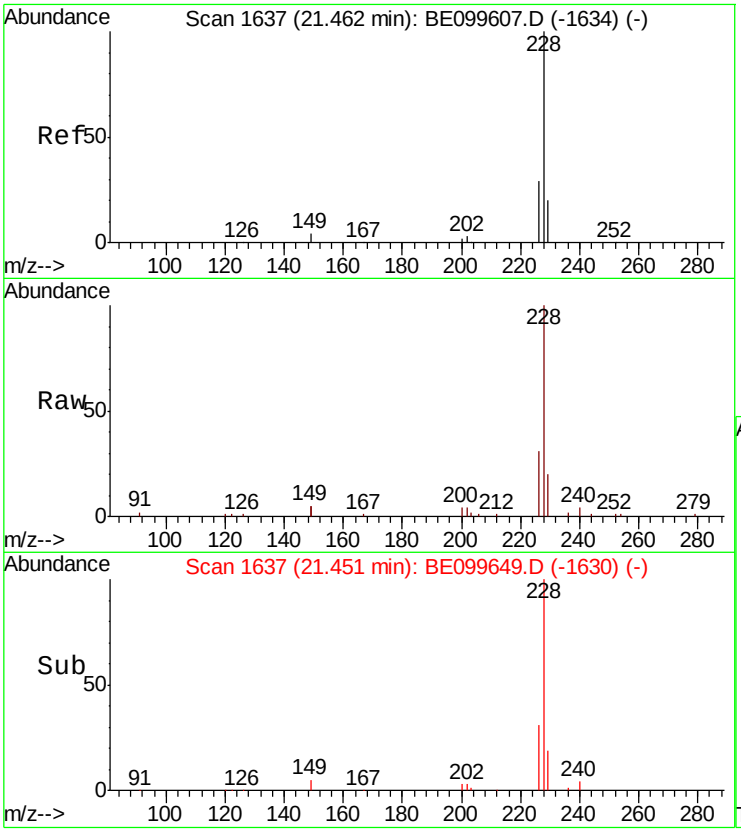


#30
Benzo(a)anthracene
Concen: 0.305 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:228 Resp: 16390

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.4	32.2
229	20.6	15.8	23.8



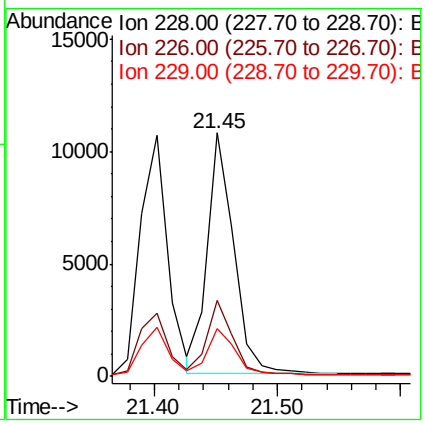


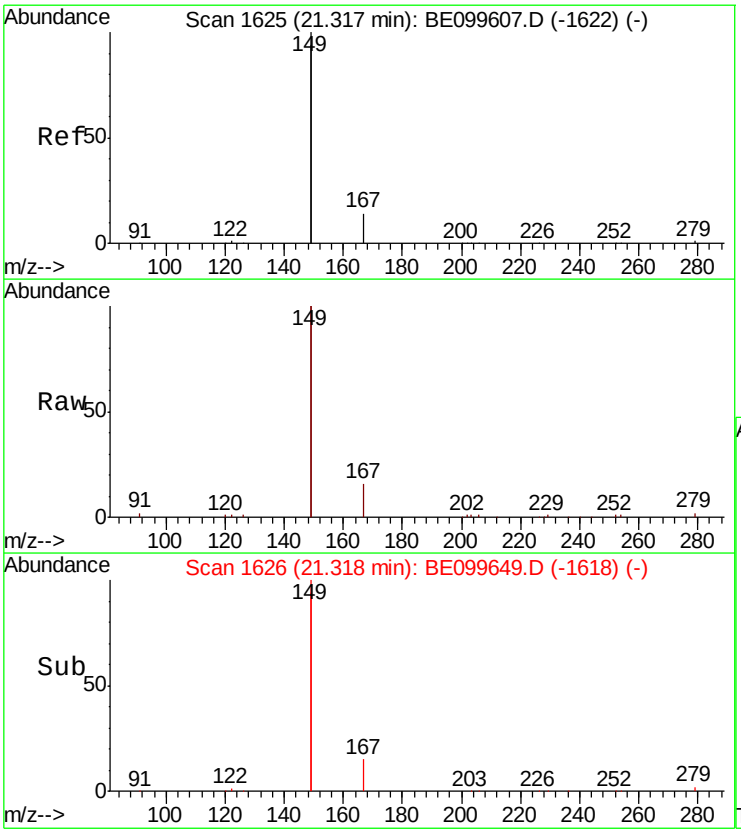
#31
Chrysene
Concen: 0.289 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:228 Resp: 16007

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.4
229	19.8	16.4	24.6

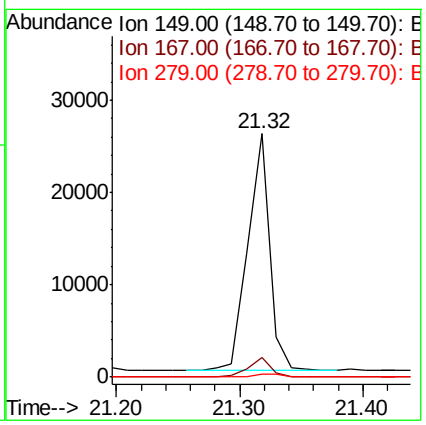


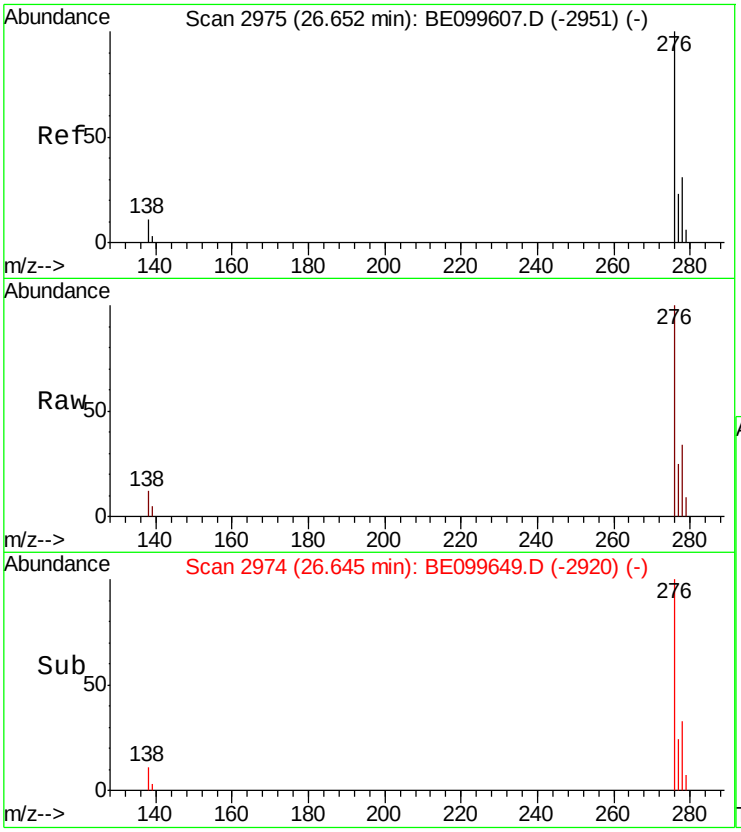


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.383 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:149 Resp: 31757

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.3	1.1	1.7



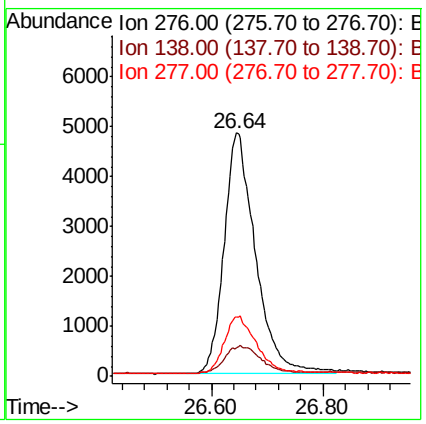


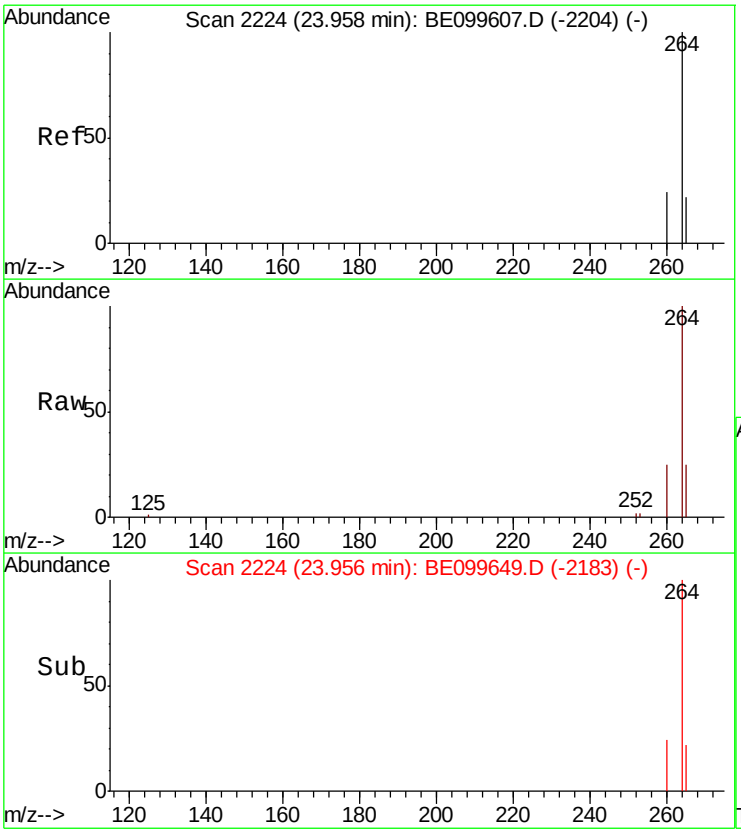
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.274 ng
RT: 26.64 min Scan# 2974
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:276 Resp: 18841

Ion	Ratio	Lower	Upper
276	100		
138	12.5	10.0	15.0
277	23.6	19.1	28.7

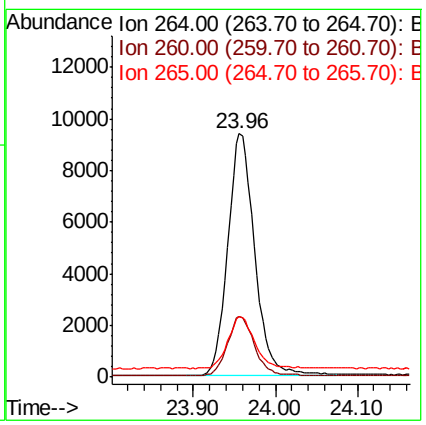


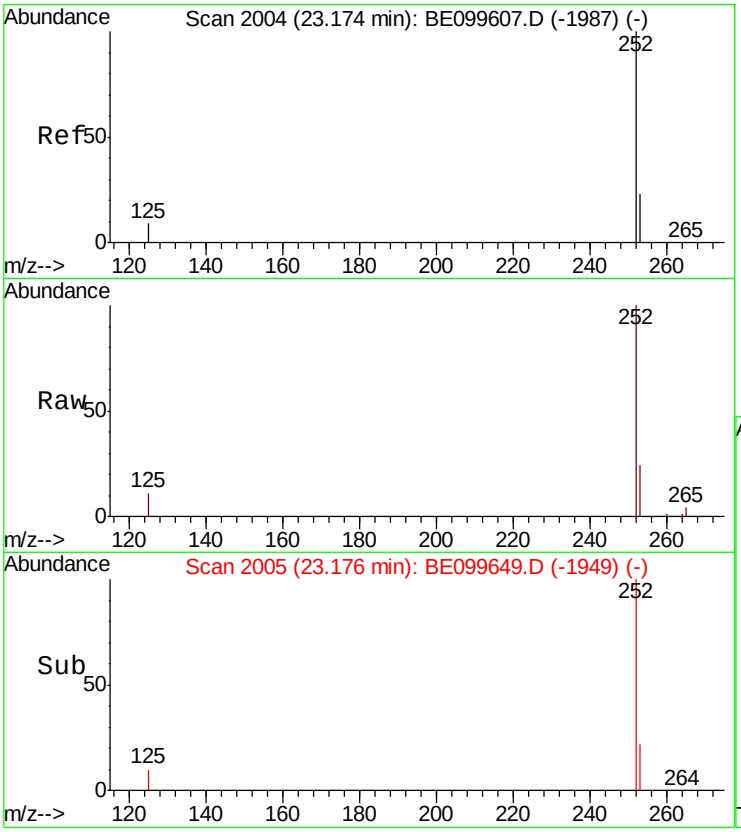


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:264 Resp: 21362

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	25.1	21.2	31.8



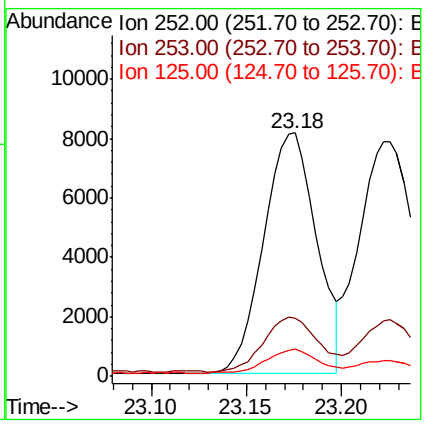


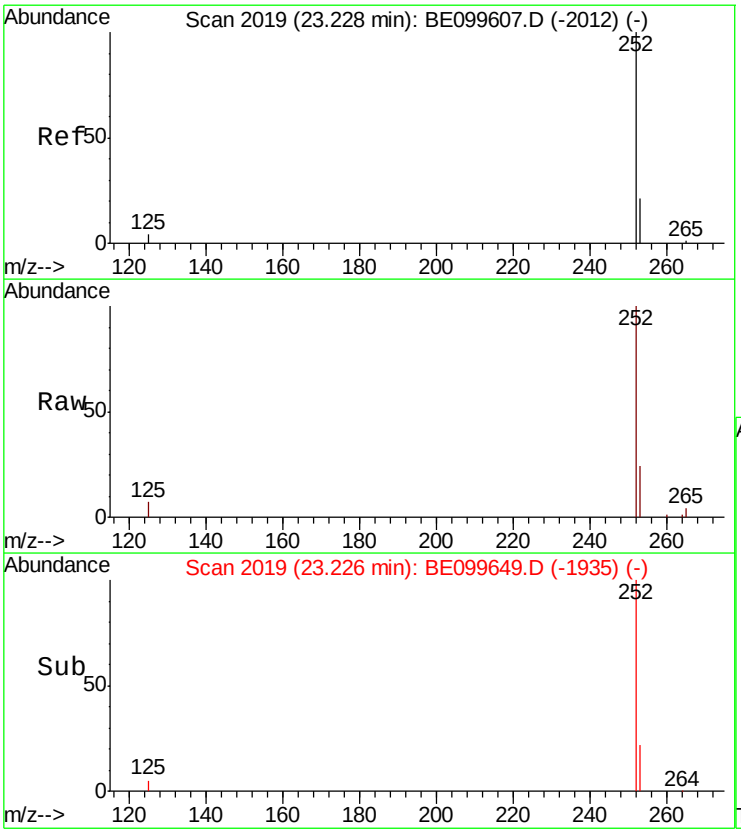
#35
Benzo(b)fluoranthene
Concen: 0.263 ng
RT: 23.18 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:252 Resp: 15736

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.1	28.7
125	11.0	7.8	11.8

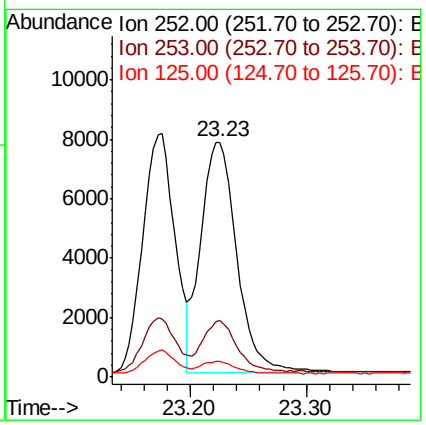


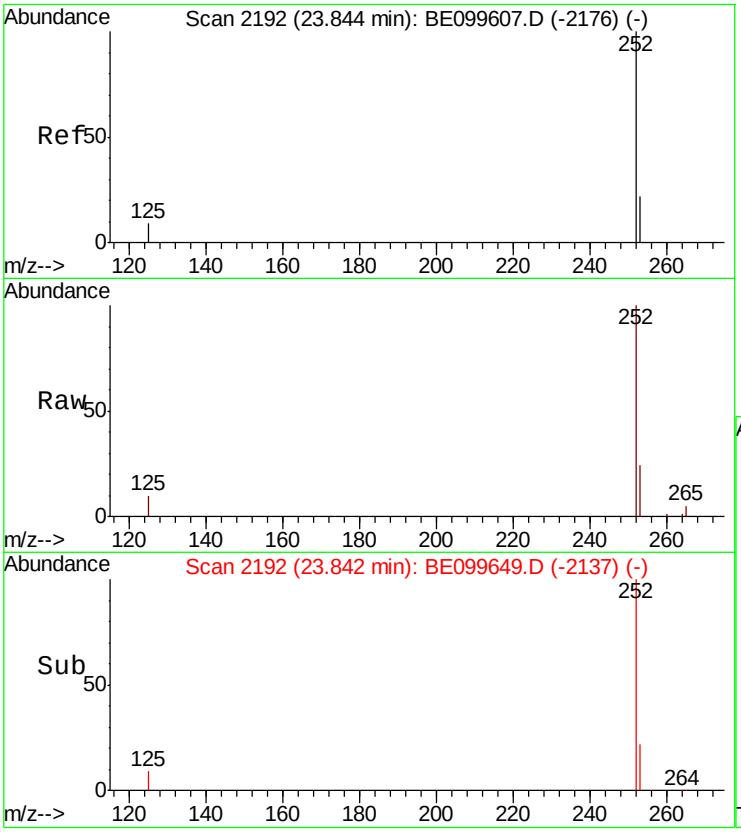


#36
Benzo(k)fluoranthene
Concen: 0.284 ng
RT: 23.23 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:252 Resp: 16725

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.6	28.0
125	6.7	5.2	7.8



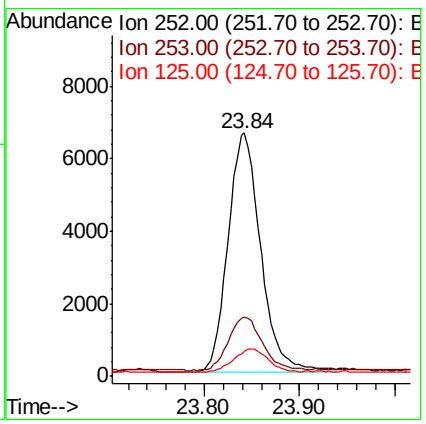


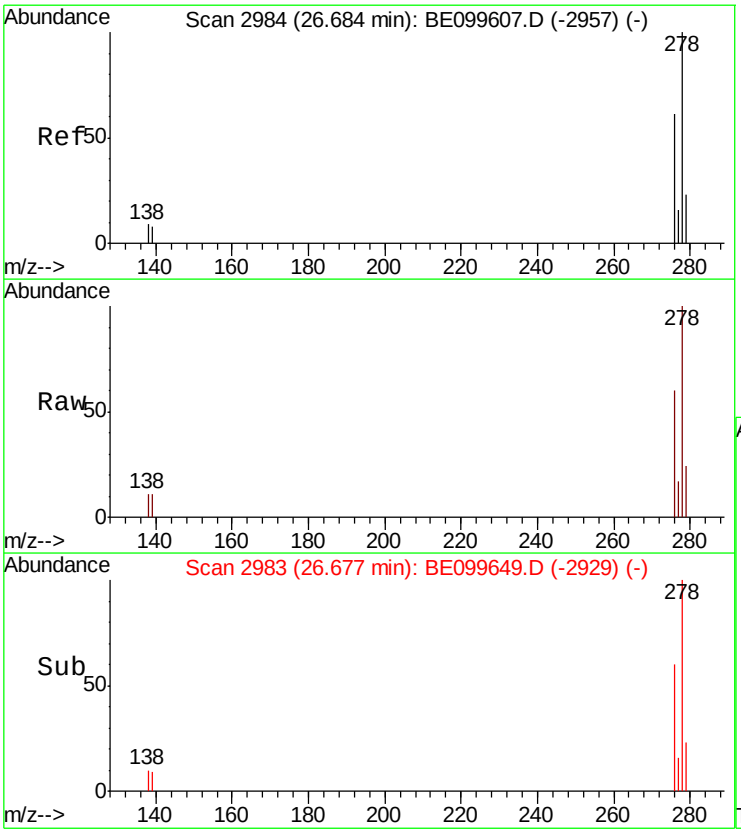
#37
Benzo(a)pyrene
Concen: 0.273 ng
RT: 23.84 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:252 Resp: 15805

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.6
125	10.2	8.8	13.2

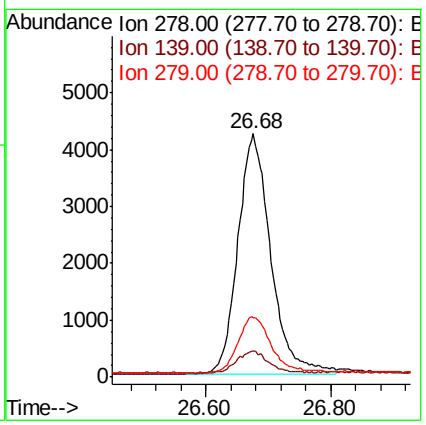


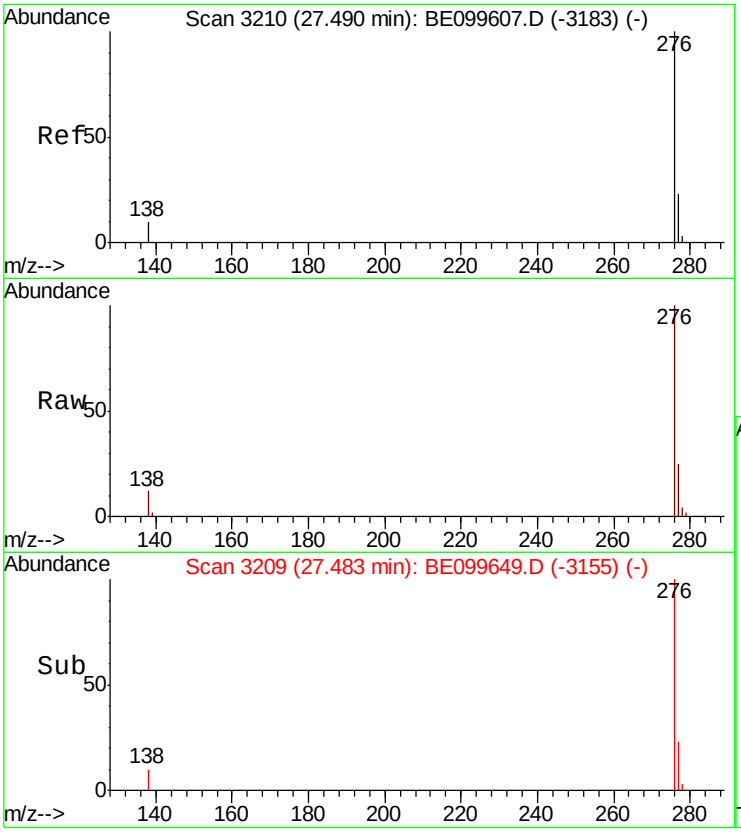


#38
Dibenzo(a,h)anthracene
Concen: 0.257 ng
RT: 26.68 min Scan# 2983
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:278 Resp: 15438

Ion	Ratio	Lower	Upper
278	100		
139	10.9	7.9	11.9
279	24.4	19.5	29.3





#39
Benzo(g,h,i)perylene
Concen: 0.266 ng
RT: 27.48 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :
FEBH-05(33-33.5)MS

Tgt Ion:276 Resp: 16032

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.3	28.9
138	11.8	9.1	13.7