Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
Data File : BE099643.D
Acq On : 17 May 2019 9:37
Operator : JU/SJ
Sample : K2845-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FEBH-01MS

Quant Time: May 17 11:51:16 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	7.82	152	2250	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	7512	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	5044	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	13599	0.40	ng		0.00
27) Chrysene-d12	21.41	240	20400	0.40	ng		0.00
34) Perylene-d12	23.96	264	25099	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2139	0.33	ng		0.01
5) Phenol-d6	6.97	99	2891	0.36	ng		0.00
8) Nitrobenzene-d5	8.98	82	2528	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	5880	0.47	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	1050	0.30	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	6859	0.35	ng		0.00
25) Fluoranthene-d10	19.26	212	64639	0.36	ng		0.00
29) Terphenyl-d14	19.86	244	13667	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	892	0.269	ng	#	46
3) n-Nitrosodimethylamine	3.62	42	552	0.261	ng	#	61
6) bis(2-Chloroethyl)ether	7.24	93	2537	0.373	ng		100
9) Naphthalene	10.67	128	30386	0.380	ng		99
10) Hexachlorobutadiene	10.94	225	2084	0.356	ng		97
12) 2-Methylnaphthalene	12.30	142	4932	0.374	ng		99
16) Acenaphthylene	14.21	152	8389	0.352	ng		99
17) Acenaphthene	14.54	154	4919	0.366	ng		99
18) Fluorene	15.53	166	6783	0.352	ng		100
20) 4-Bromophenyl-phenylether	16.42	248	2808	0.358	ng		96
21) Hexachlorobenzene	16.53	284	2736	0.355	ng		99
22) Pentachlorophenol	16.88	266	1932	0.706	ng		93
23) Phenanthrene	17.27	178	13561	0.402	ng		99
24) Anthracene	17.36	178	11617	0.373	ng		99
26) Fluoranthene	19.29	202	21161	0.414	ng		99
28) Pyrene	19.66	202	22095	0.425	ng		99
30) Benzo(a)anthracene	21.40	228	25264	0.410	ng		98
31) Chrysene	21.45	228	24771	0.390	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	56106	0.590	ng		100
33) Indeno(1,2,3-cd)pyrene	26.66	276	29395	0.372	ng		99
35) Benzo(b)fluoranthene	23.17	252	25423	0.362	ng	#	91
36) Benzo(k)fluoranthene	23.23	252	25666	0.370	ng		99
37) Benzo(a)pyrene	23.84	252	25359	0.373	ng	#	96
38) Dibenzo(a,h)anthracene	26.68	278	24642	0.350	ng		99
39) Benzo(g,h,i)perylene	27.49	276	25108	0.354	ng		99

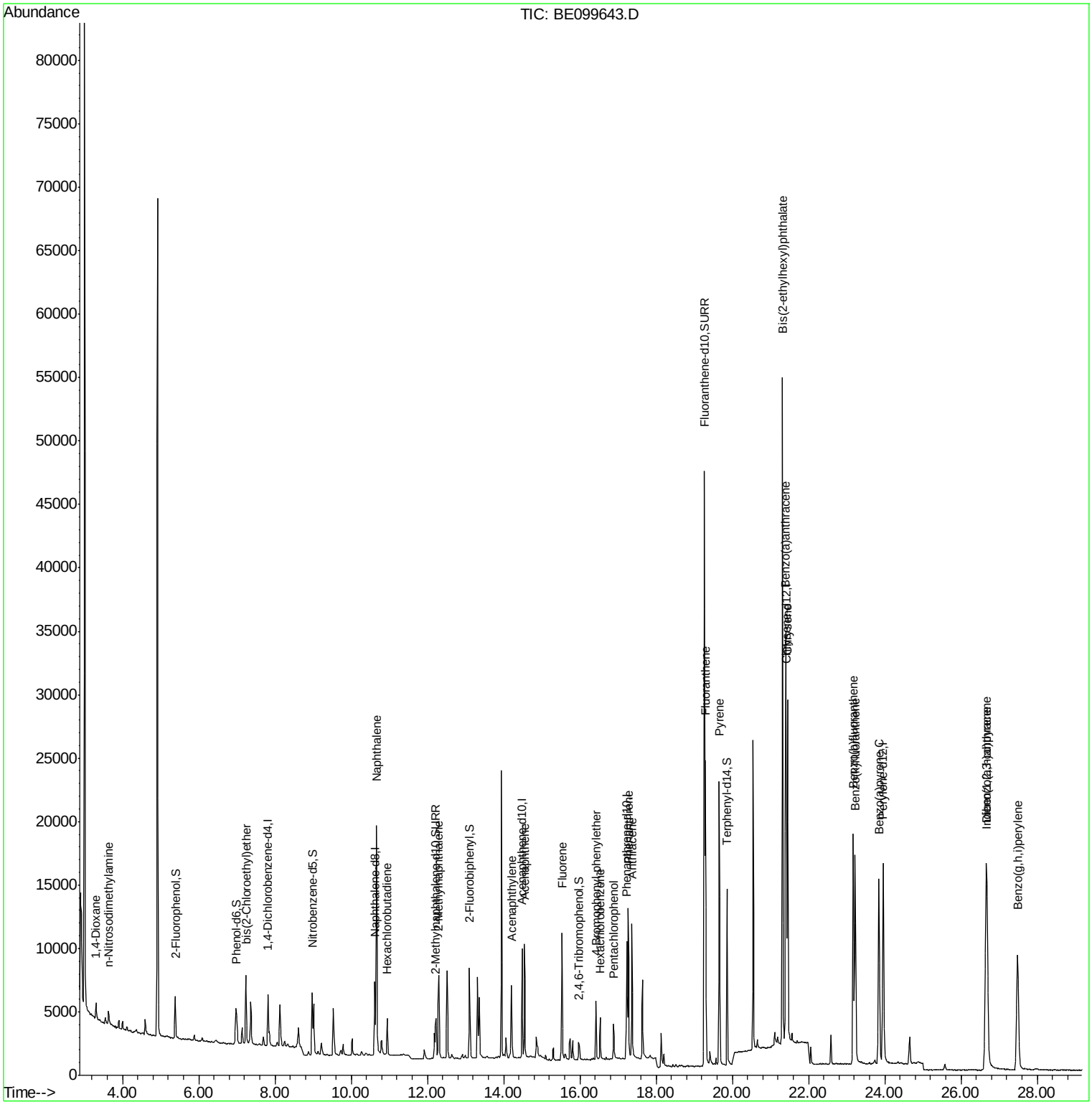
(#) = qualifier out of range (m) = manual integration (+) = signals summed

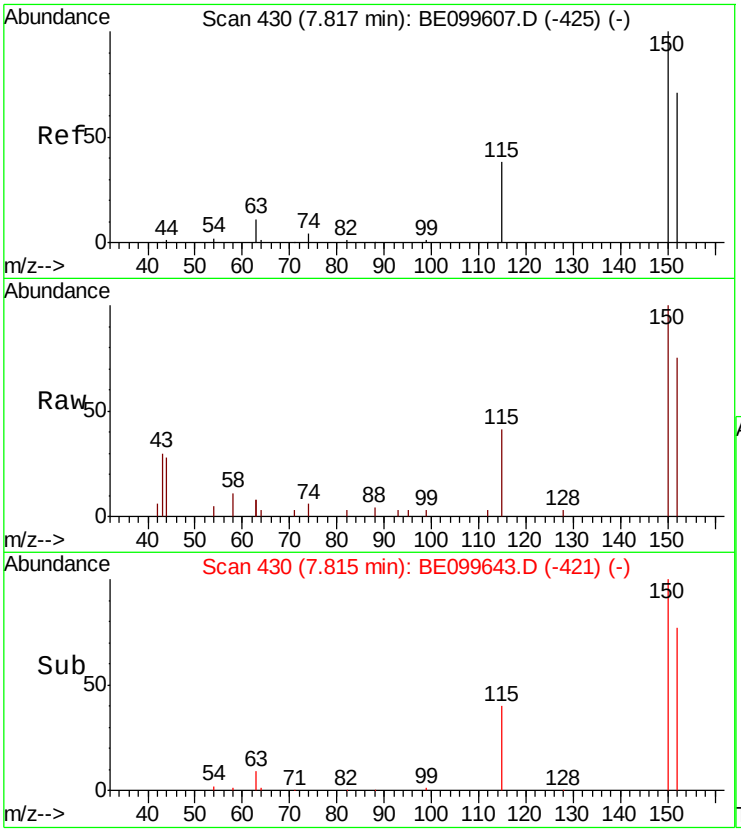
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
Data File : BE099643.D
Acq On : 17 May 2019 9:37
Operator : JU/SJ
Sample : K2845-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Quant Time: May 17 11:51:16 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



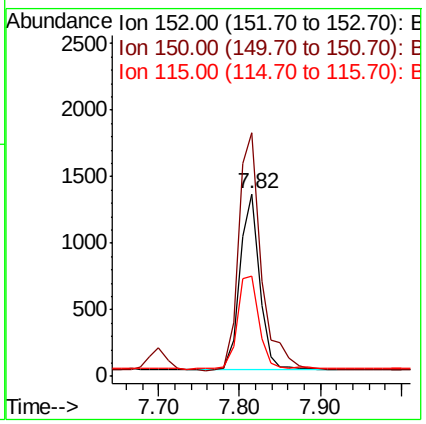


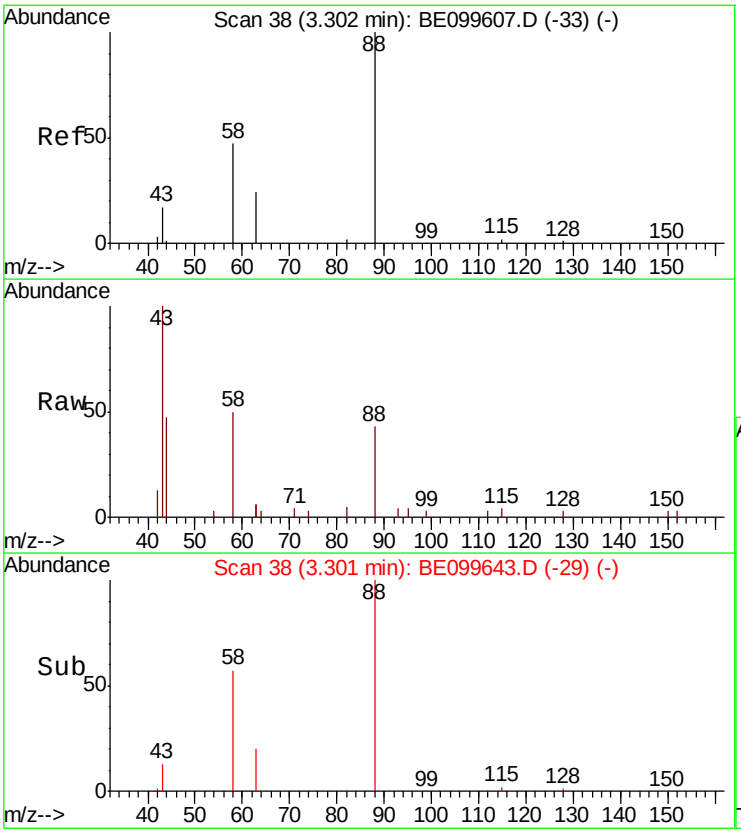
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:152 Resp: 2250

Ion	Ratio	Lower	Upper
152	100		
150	133.2	110.1	165.1
115	54.7	46.2	69.4

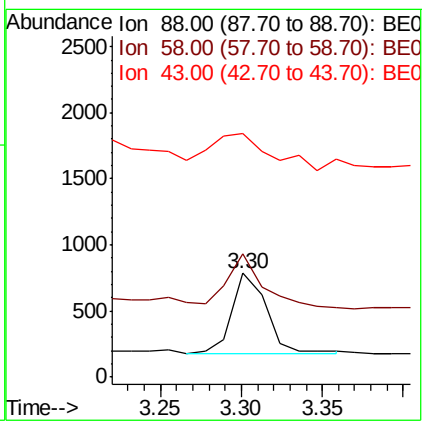


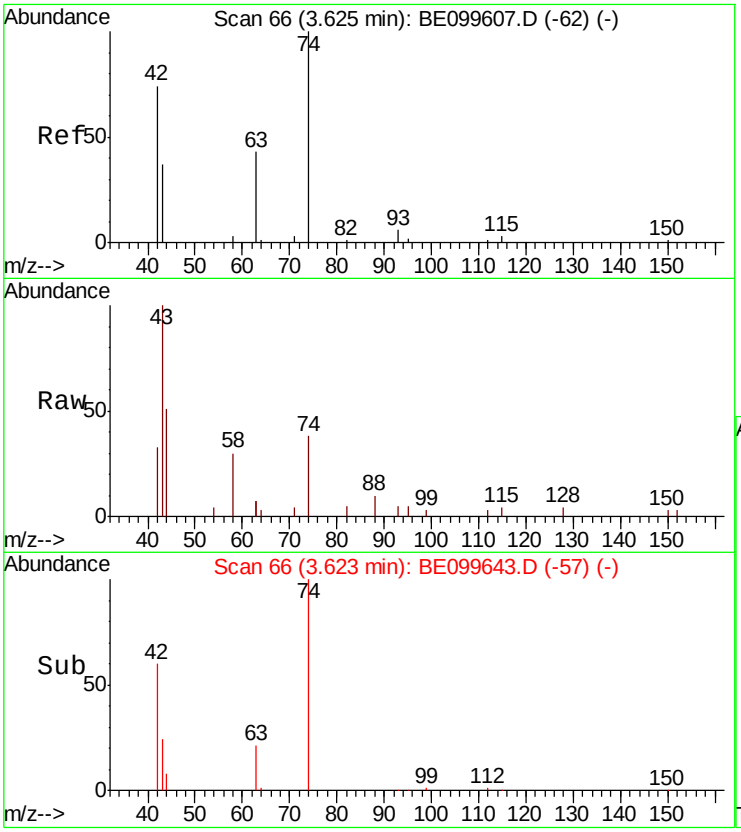


#2
1,4-Dioxane
Concen: 0.269 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion: 88 Resp: 892

Ion	Ratio	Lower	Upper
88	100		
58	67.0	39.8	59.6#
43	81.4	21.0	31.6#



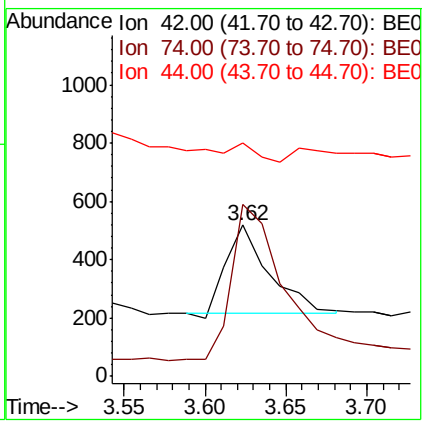


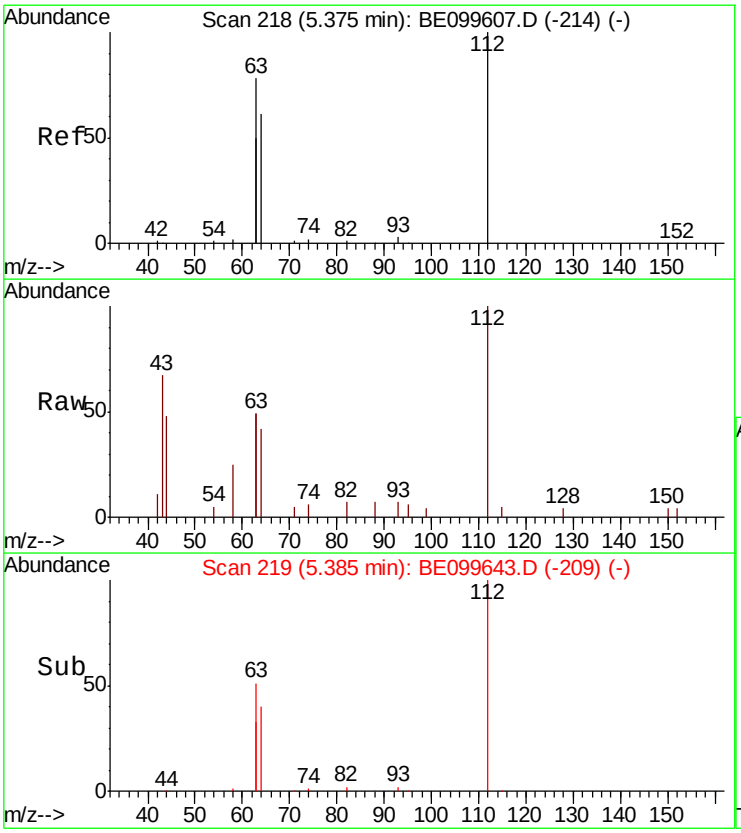
#3
n-Nitrosodimethylamine
Concen: 0.261 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion: 42 Resp: 552

Ion	Ratio	Lower	Upper
42	100		
74	222.1	134.7	202.1#
44	0.0	12.5	18.7#

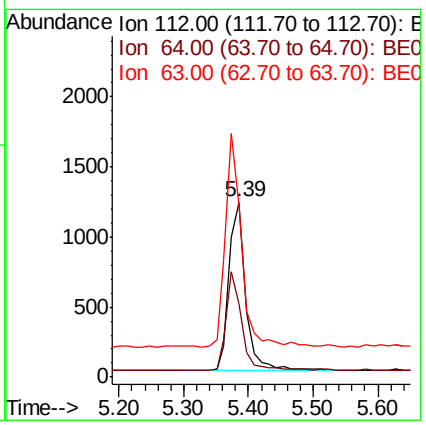


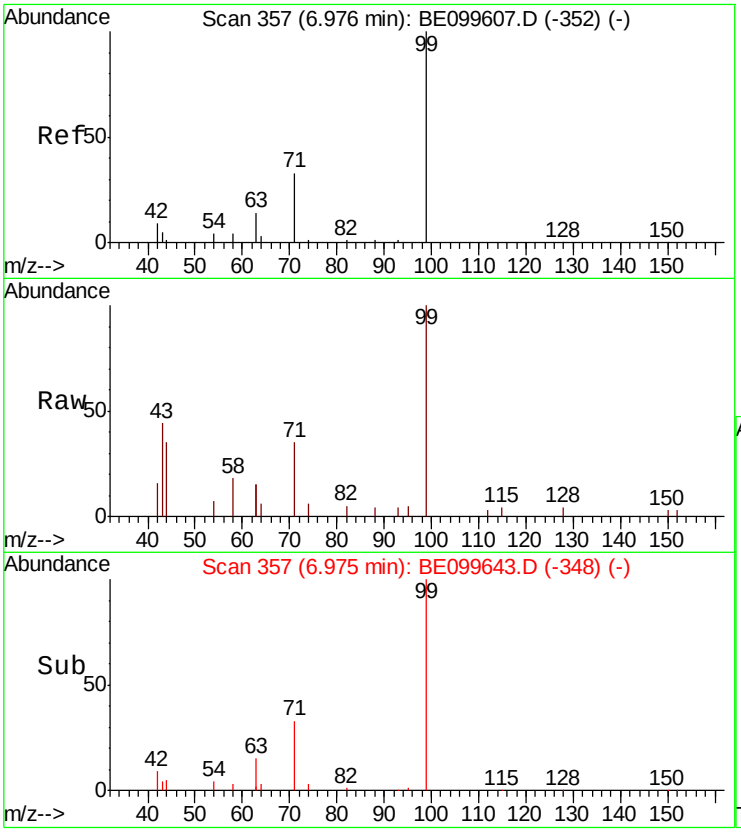


#4
2-Fluorophenol
Concen: 0.335 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.01 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:112 Resp: 2139

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.7	65.5
63	124.1	94.0	141.0



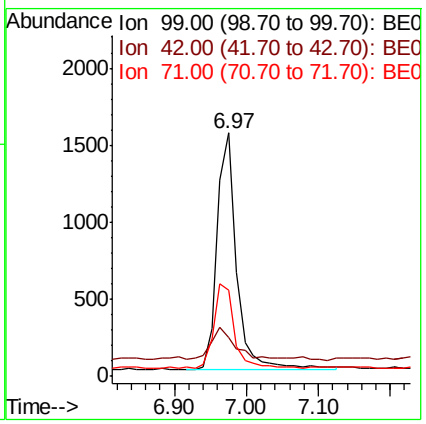


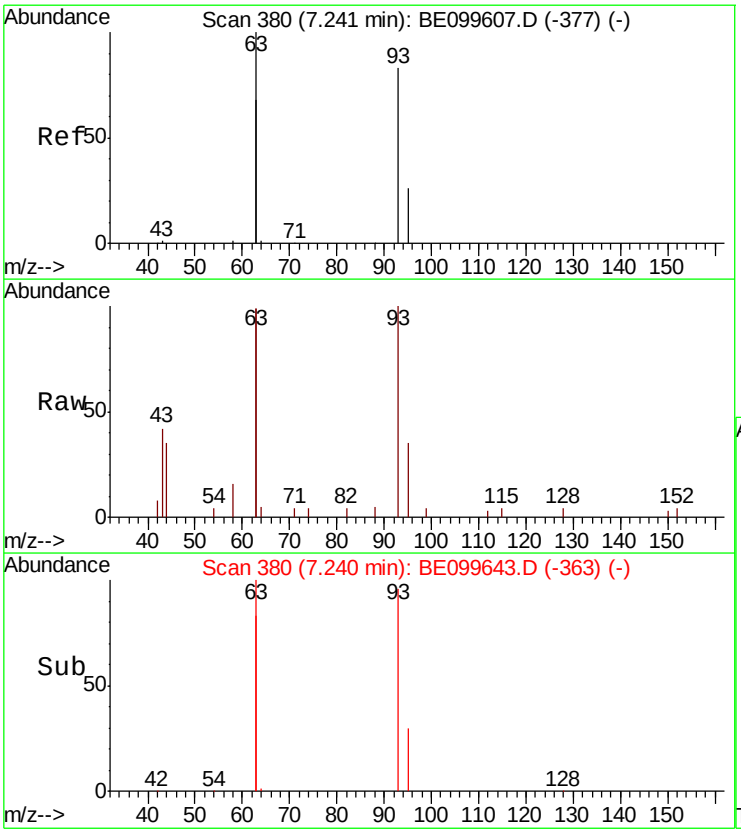
#5
Phenol-d6
Concen: 0.357 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion: 99 Resp: 2891

Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.3	21.5
71	36.6	33.1	49.7

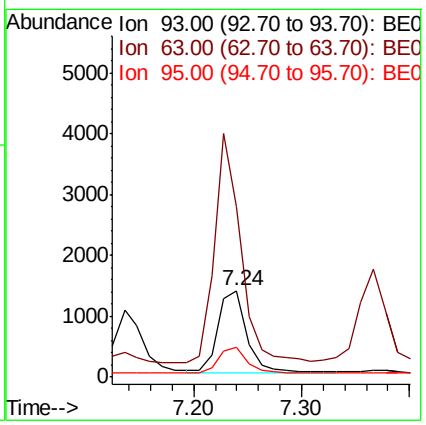


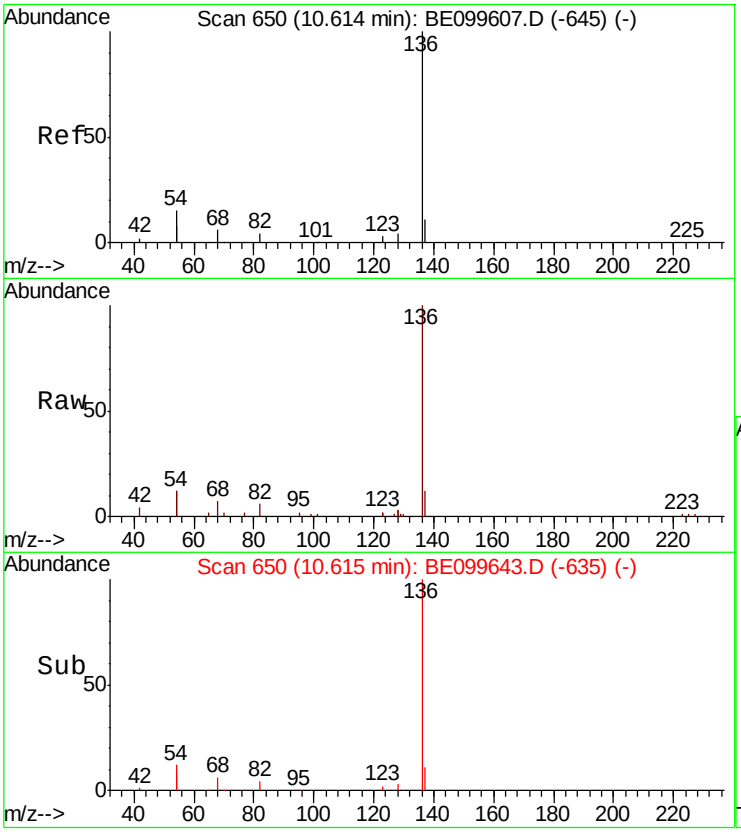


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion: 93 Resp: 2537

Ion	Ratio	Lower	Upper
93	100		
63	250.5	201.0	301.4
95	31.8	25.0	37.4



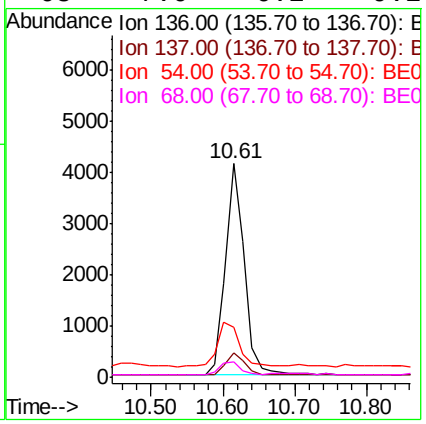


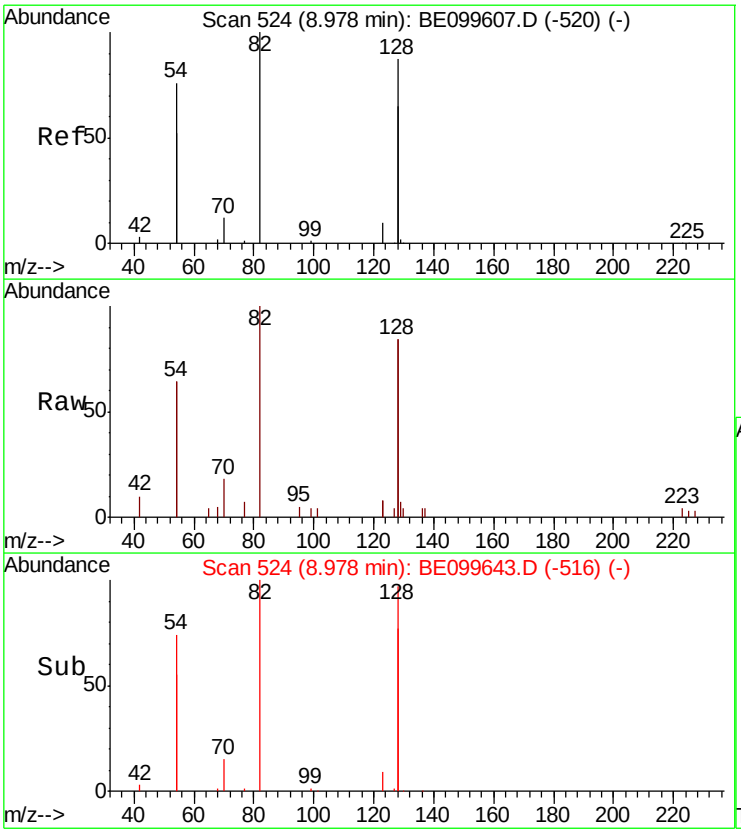
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:136 Resp: 7512

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	23.3	23.8	35.8#
68	7.0	6.2	9.2

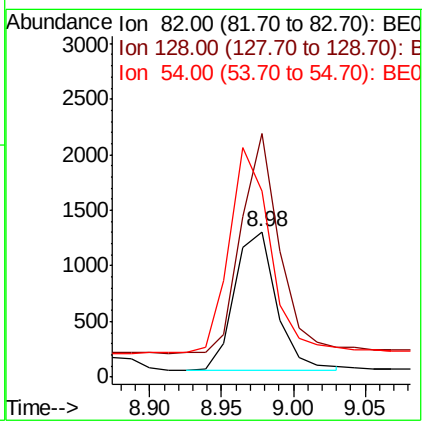


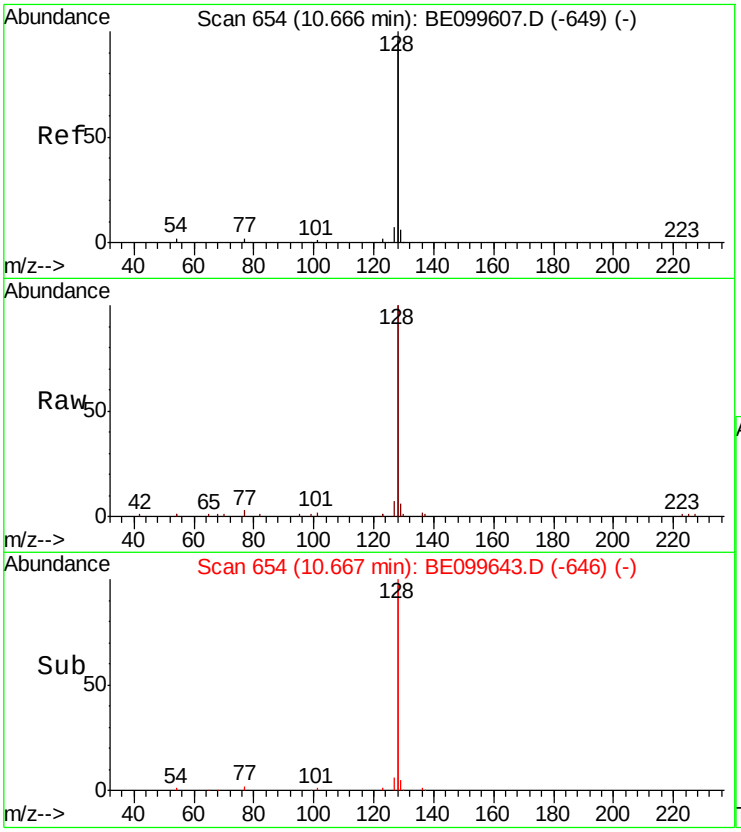


#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion: 82 Resp: 2528

Ion	Ratio	Lower	Upper
82	100		
128	167.3	131.4	197.2
54	127.9	113.9	170.9



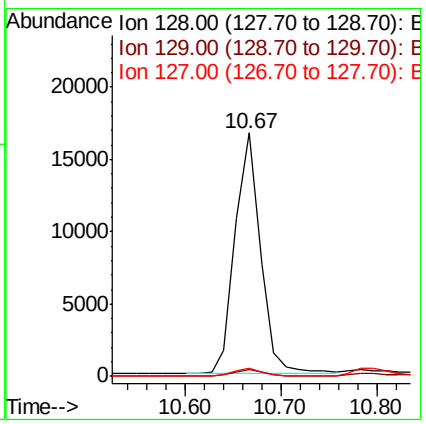


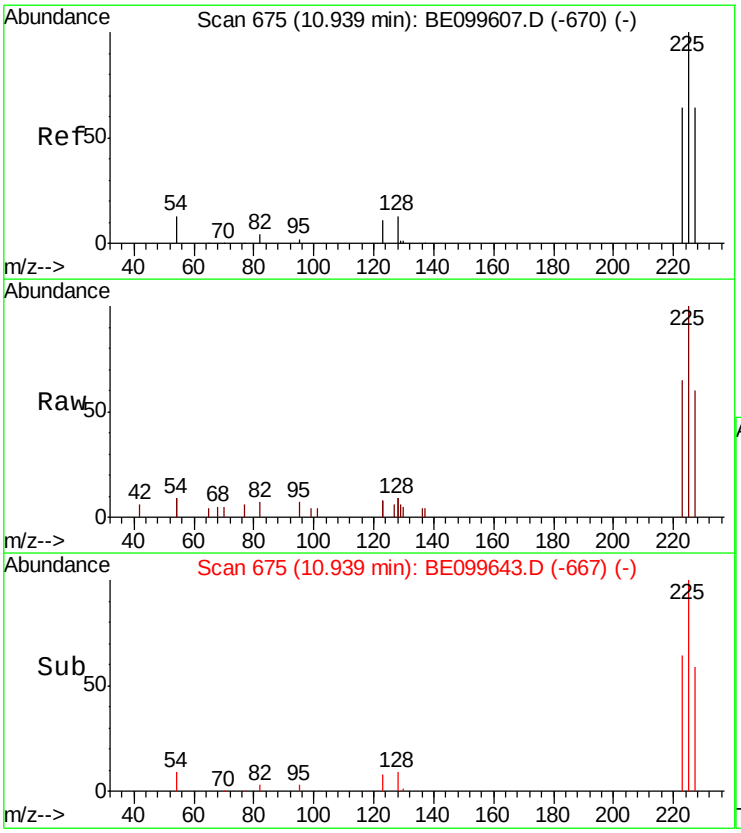
#9
Naphthalene
Concen: 0.380 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:128 Resp: 30386

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	4.0
127	3.4	3.0	4.6

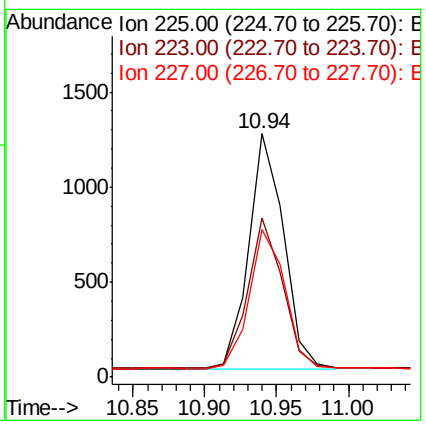


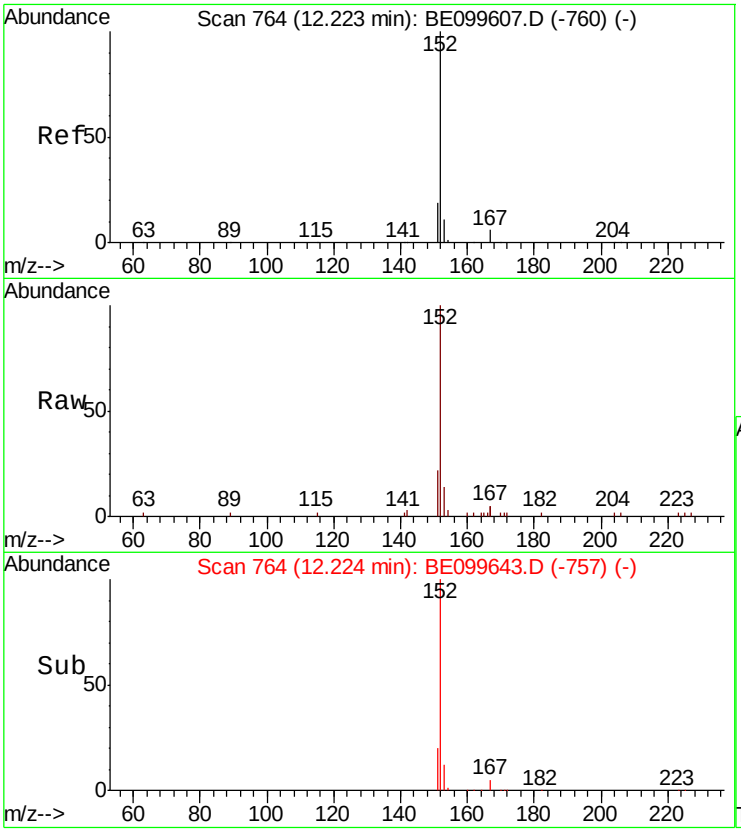


#10
Hexachlorobutadiene
Concen: 0.356 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:225 Resp: 2084

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.8	74.8
227	60.7	51.2	76.8



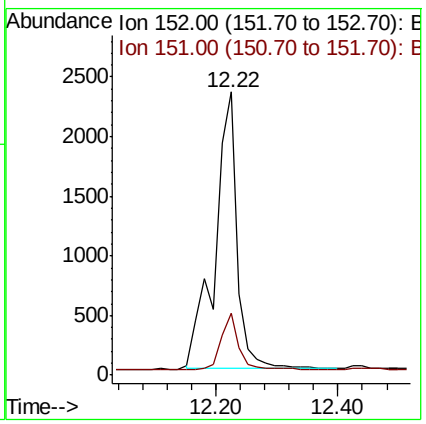


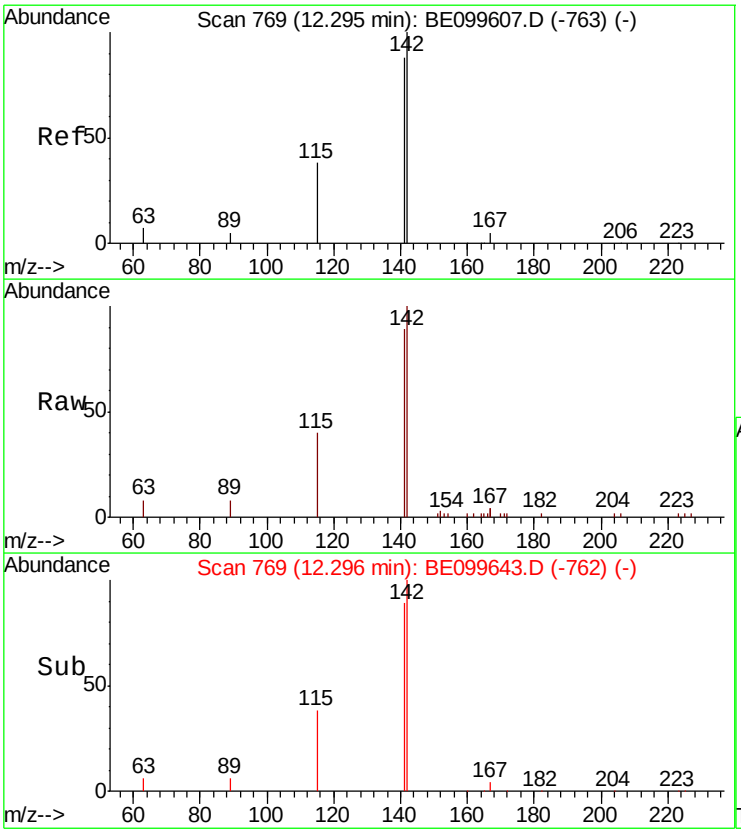
#11
2-Methylnaphthalene-d10
Concen: 0.465 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:152 Resp: 5880

Ion	Ratio	Lower	Upper
152	100		
151	16.0	15.3	22.9

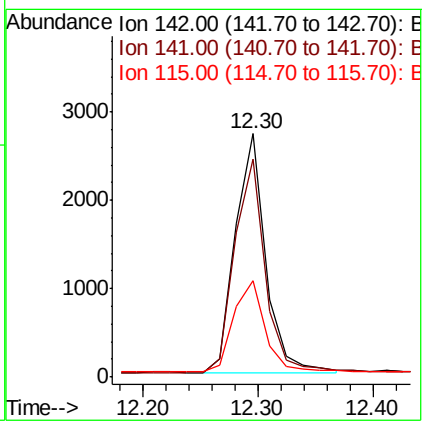


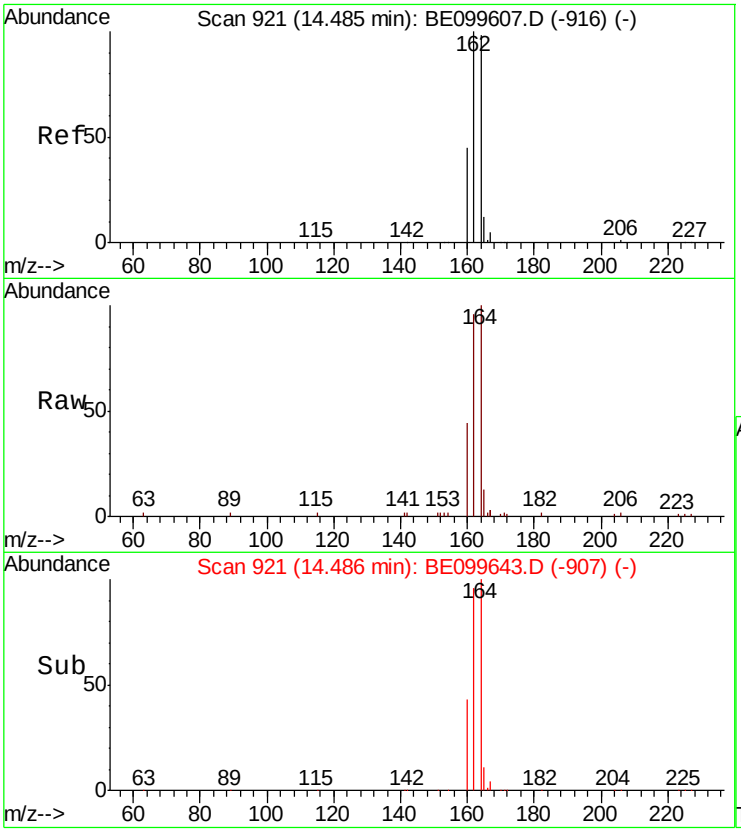


#12
2-Methylnaphthalene
Concen: 0.374 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:142 Resp: 4932

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.4	105.6
115	39.7	32.2	48.4



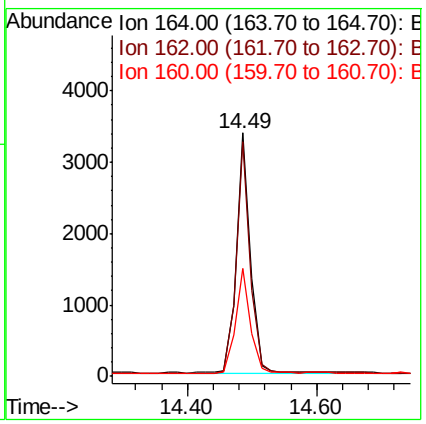


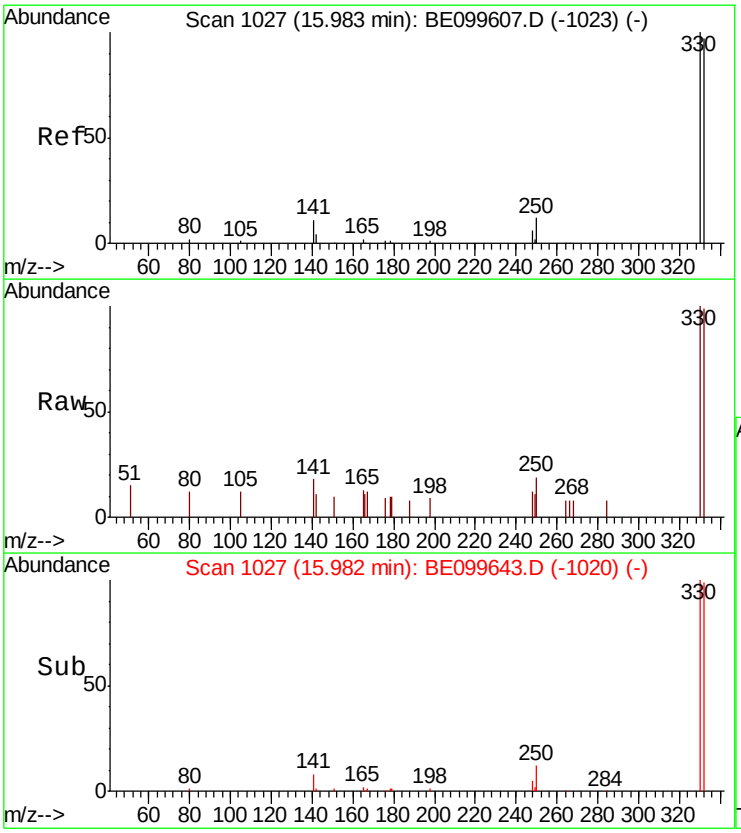
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:164 Resp: 5044

Ion	Ratio	Lower	Upper
164	100		
162	96.2	81.4	122.0
160	44.2	37.4	56.2

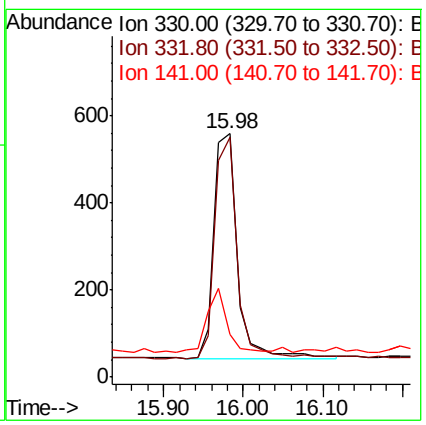


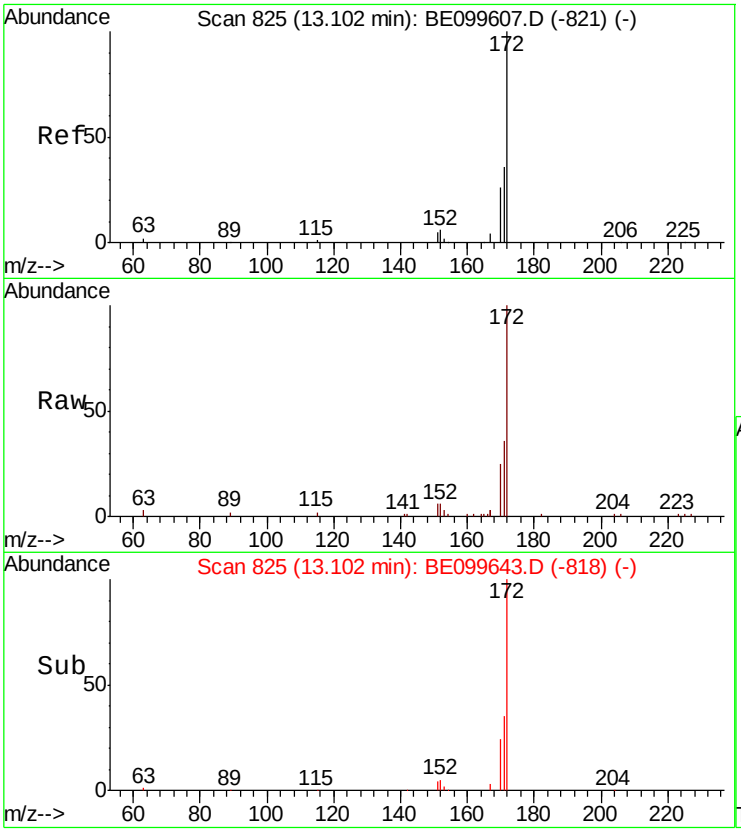


#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:330 Resp: 1050

Ion	Ratio	Lower	Upper
330	100		
332	94.3	73.8	110.8
141	24.1	21.0	31.6



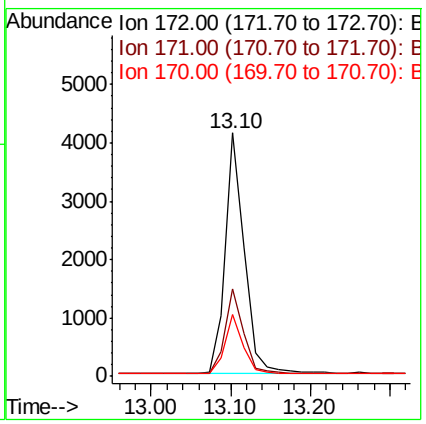


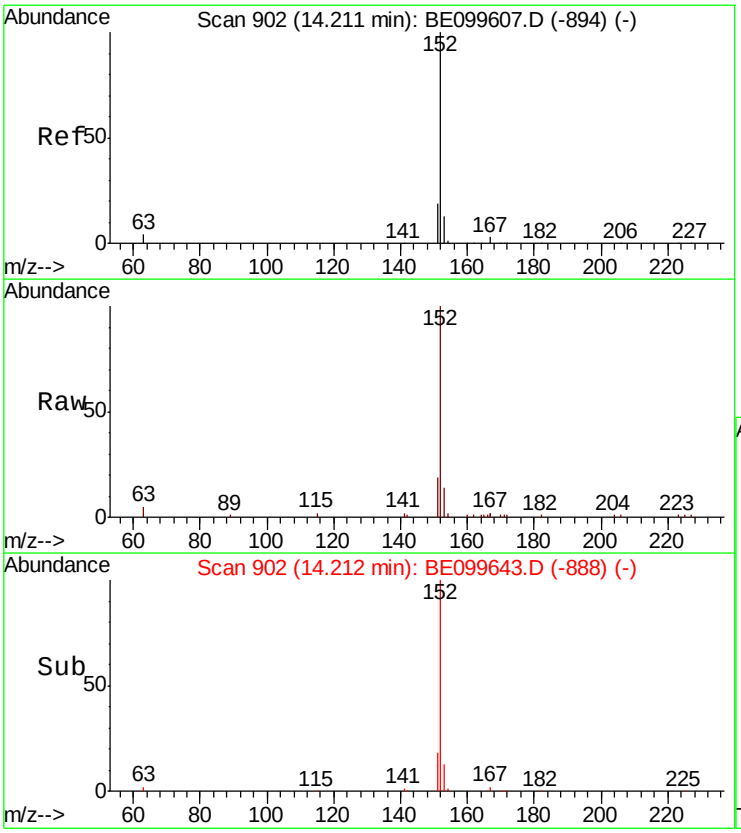
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:172 Resp: 6859

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	25.2	21.5	32.3

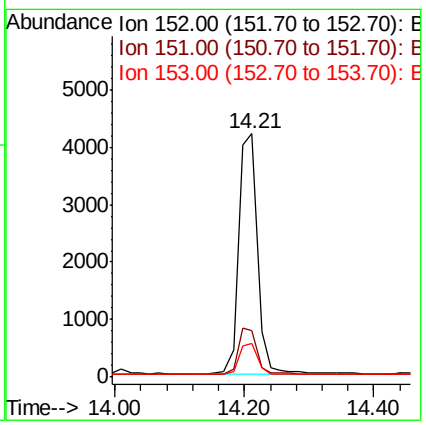


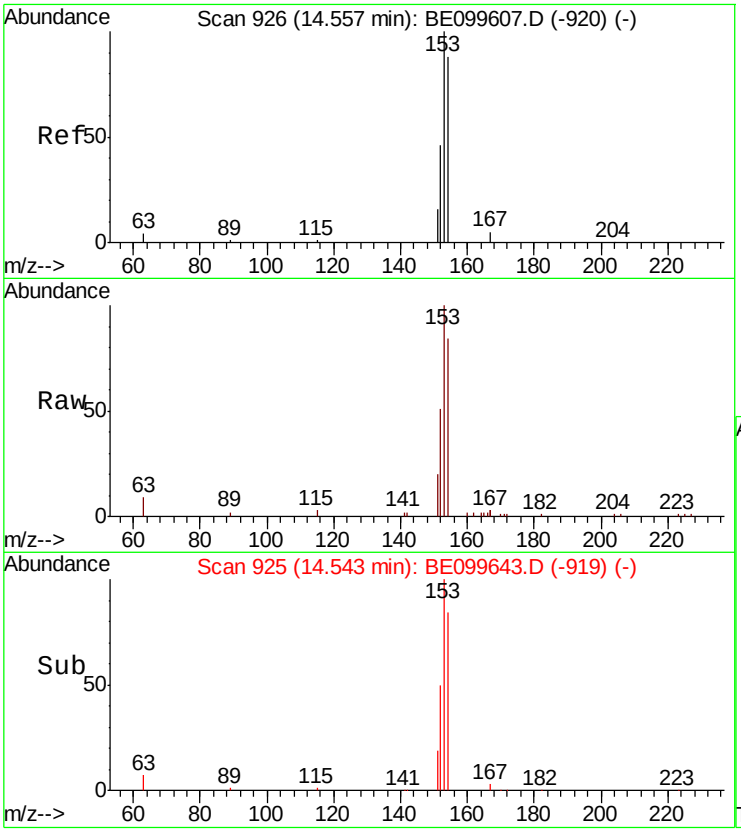


#16
Acenaphthylene
Concen: 0.352 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:152 Resp: 8389

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.6	23.4
153	13.1	10.4	15.6



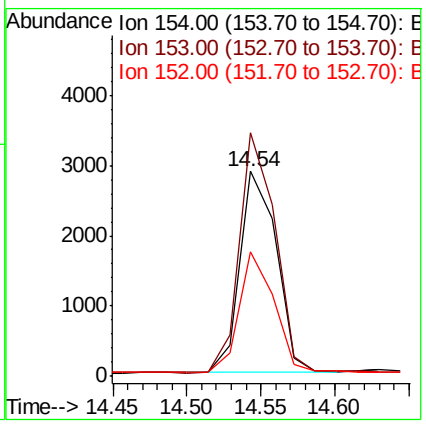


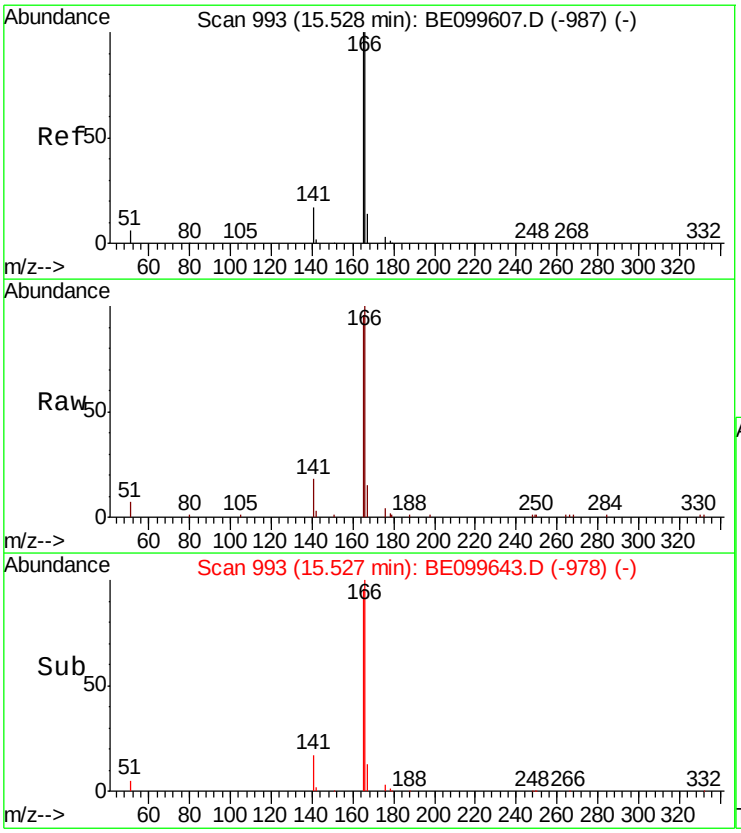
#17
Acenaphthene
Concen: 0.366 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:154 Resp: 4919

Ion	Ratio	Lower	Upper
154	100		
153	116.7	94.1	141.1
152	57.0	46.5	69.7

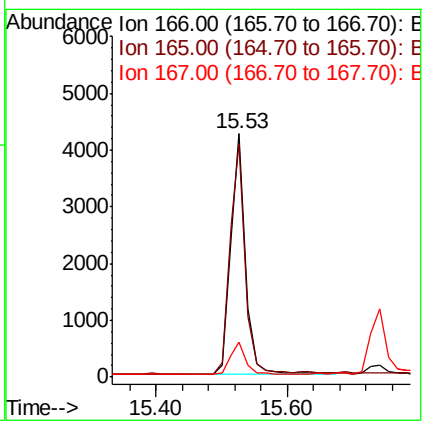


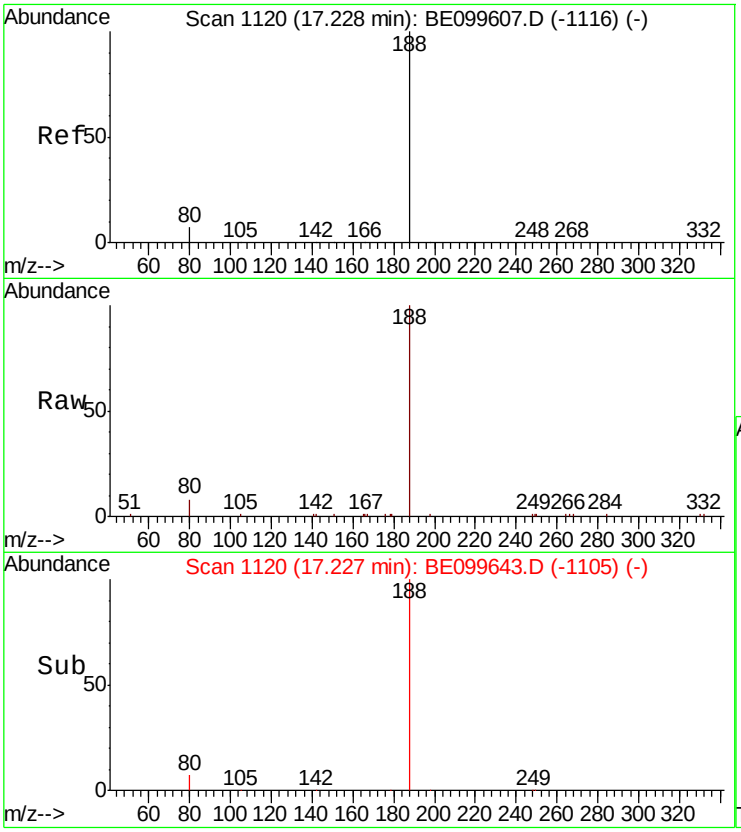


#18
Fluorene
Concen: 0.352 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:166 Resp: 6783

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	13.7	11.2	16.8



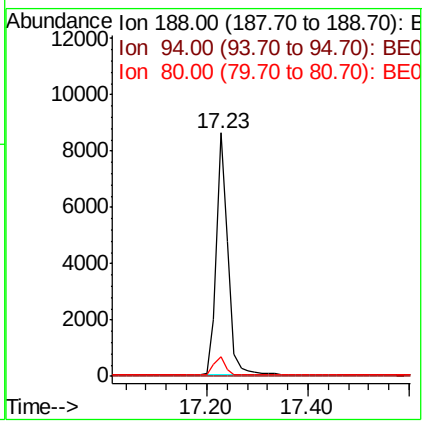


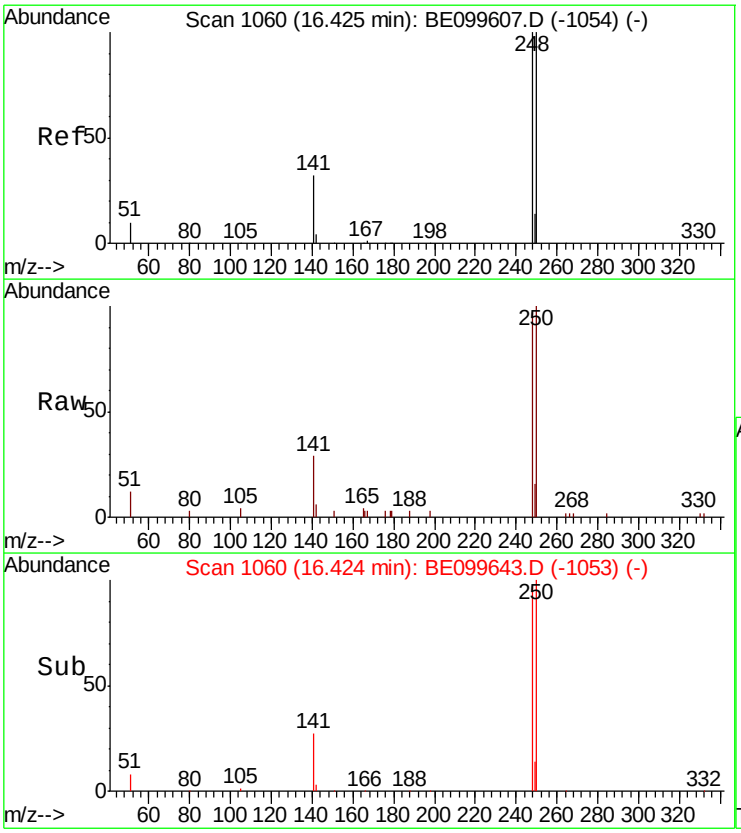
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:188 Resp: 13599

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	6.4	9.6

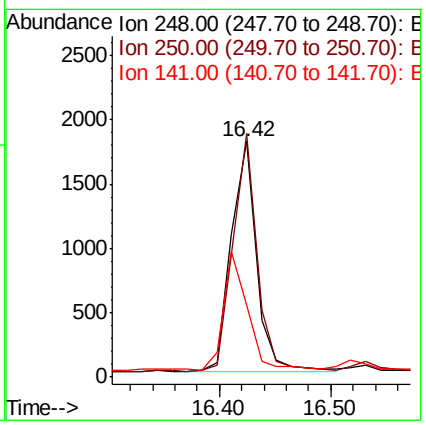


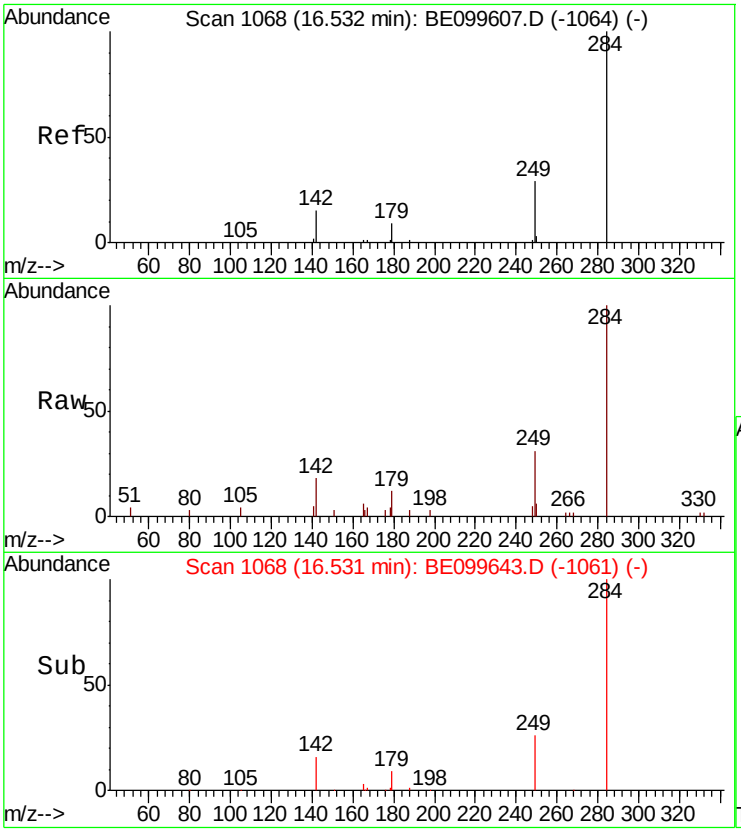


#20
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.42 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:248 Resp: 2808

Ion	Ratio	Lower	Upper
248	100		
250	103.4	80.4	120.6
141	30.4	27.8	41.8



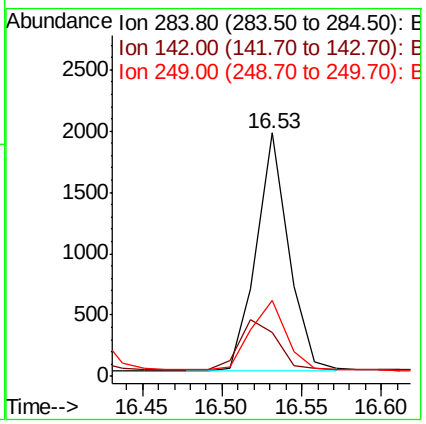


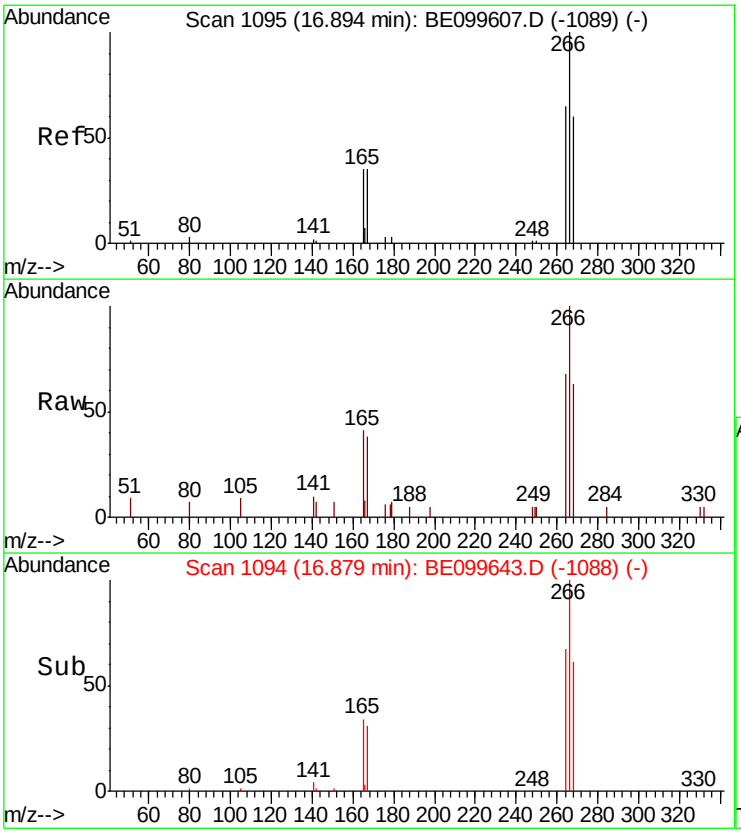
#21
Hexachlorobenzene
Concen: 0.355 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:284 Resp: 2736

Ion	Ratio	Lower	Upper
284	100		
142	24.6	19.4	29.2
249	31.9	24.6	37.0

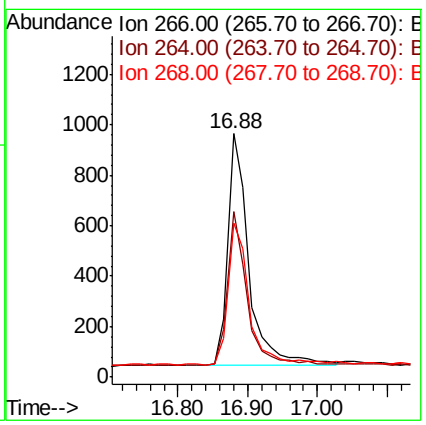


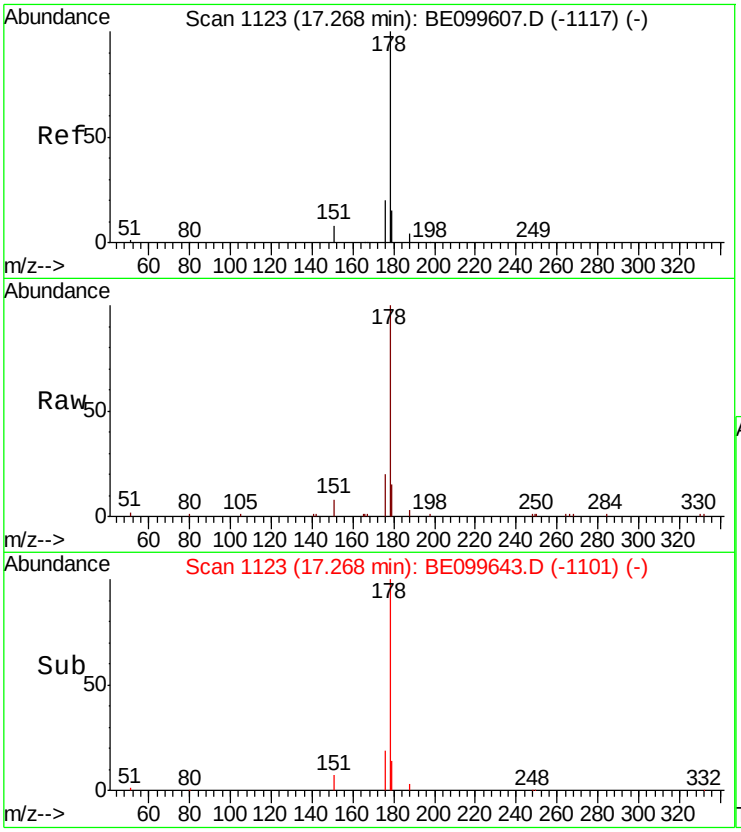


#22
Pentachlorophenol
Concen: 0.706 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:266 Resp: 1932

Ion	Ratio	Lower	Upper
266	100		
264	68.0	57.7	86.5
268	63.0	55.8	83.8



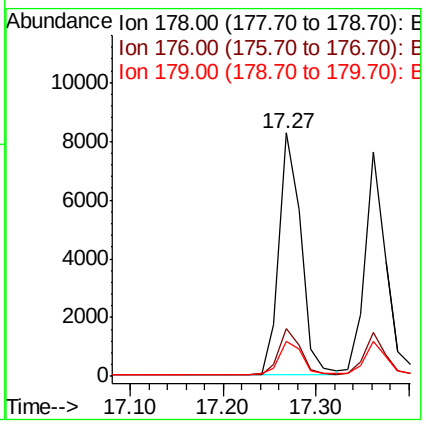


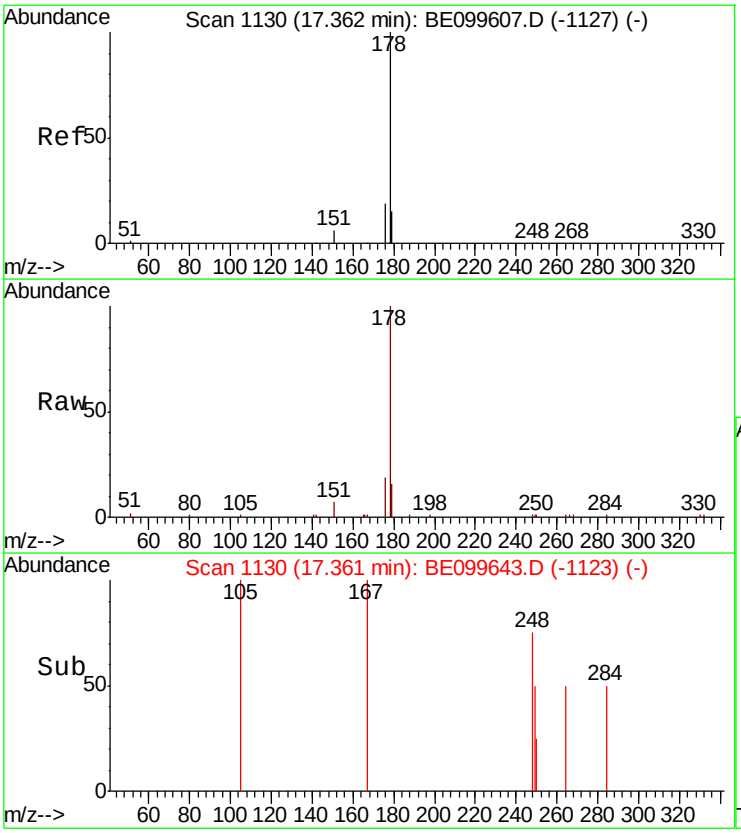
#23
Phenanthrene
Concen: 0.402 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:178 Resp: 13561

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.2	12.2	18.2

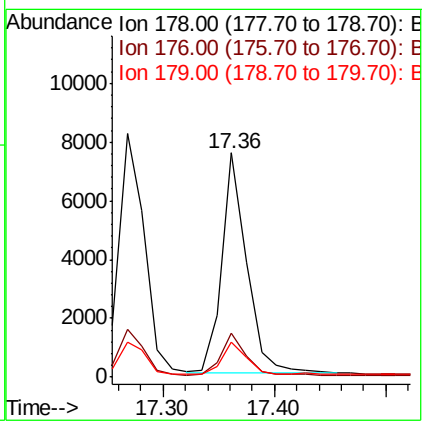


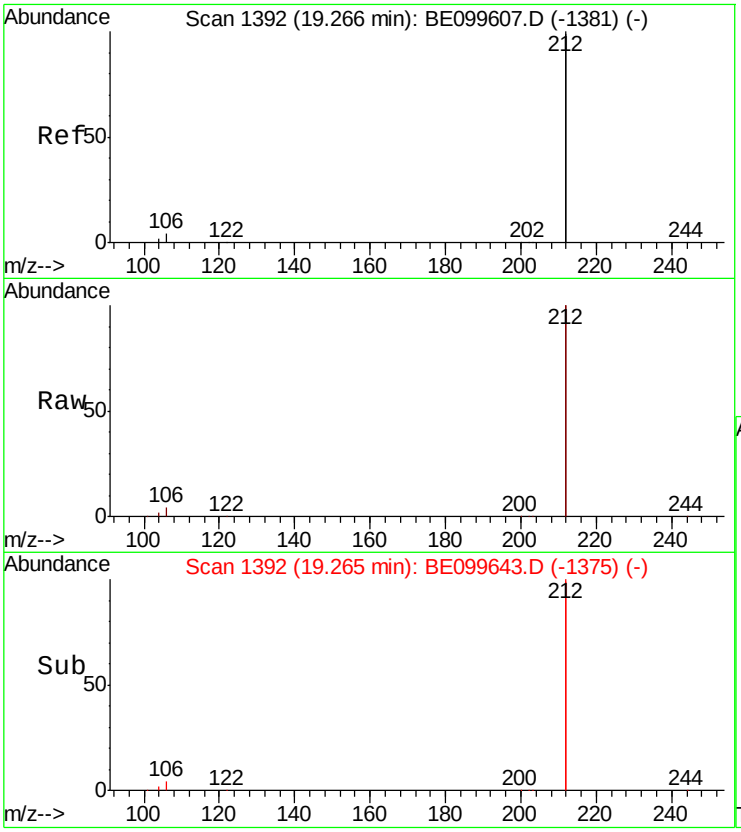


#24
Anthracene
Concen: 0.373 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:178 Resp: 11617

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	14.8	12.1	18.1



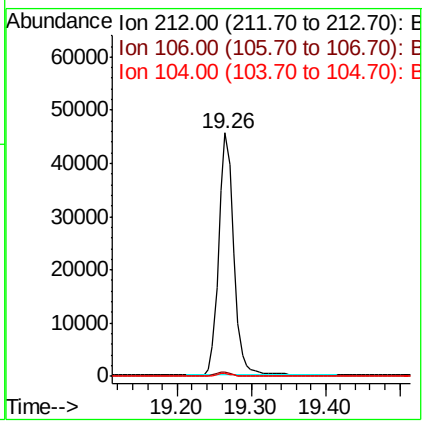


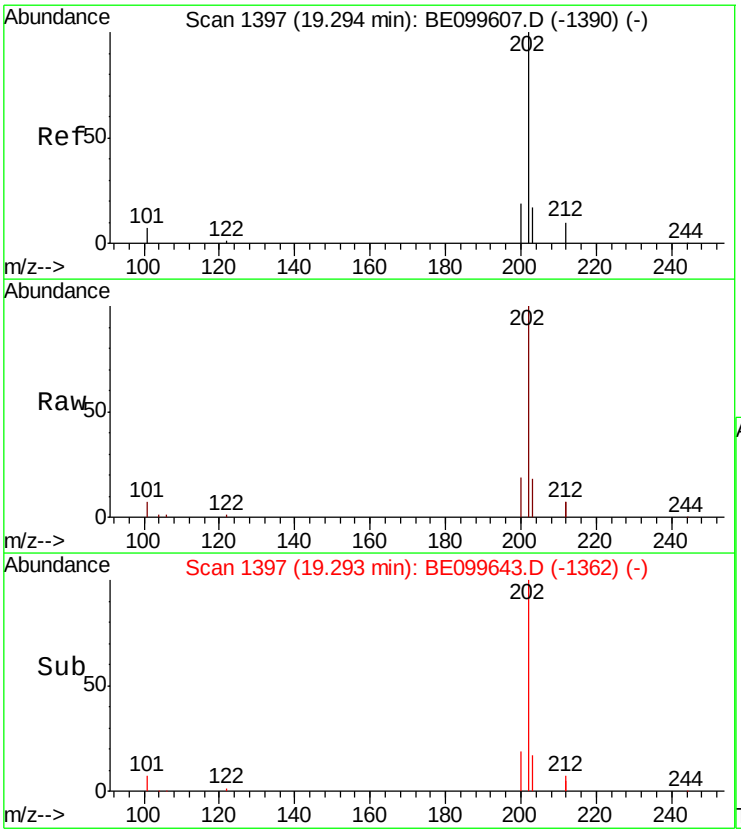
#25
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:212 Resp: 64639

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

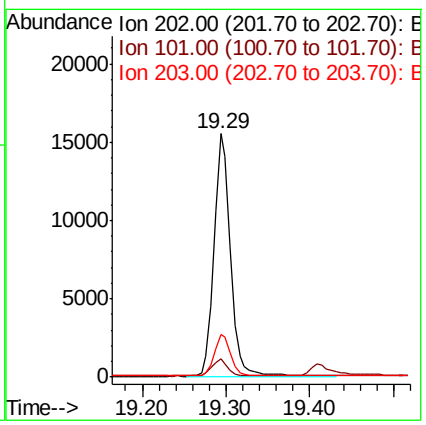


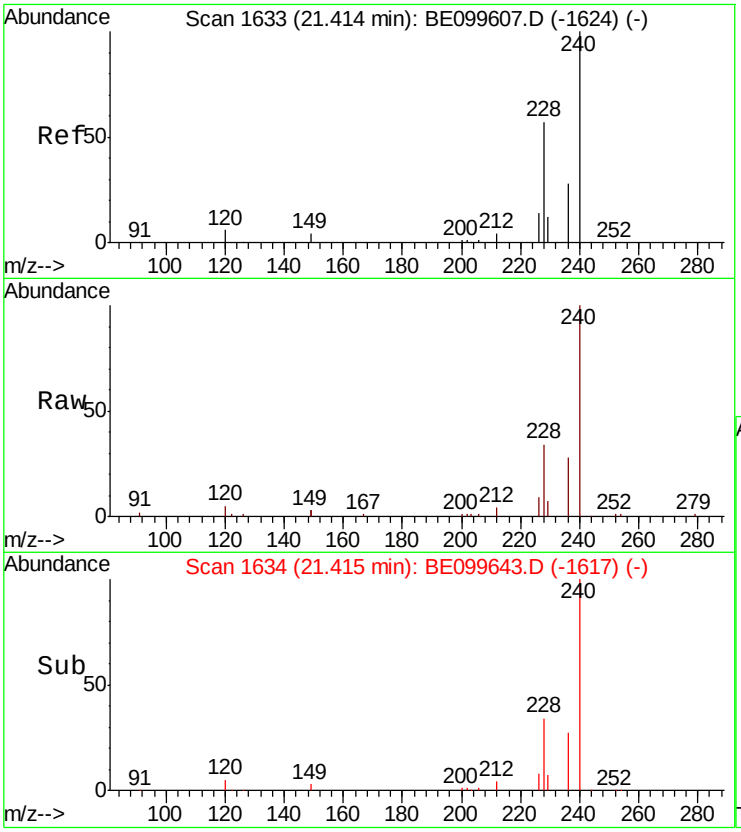


#26
Fluoranthene
Concen: 0.414 ng
RT: 19.29 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:202 Resp: 21161

Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.0	7.6
203	17.1	13.7	20.5



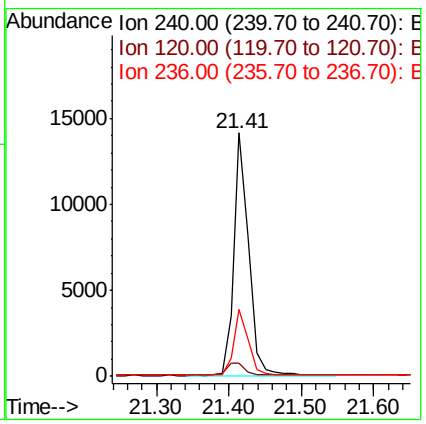


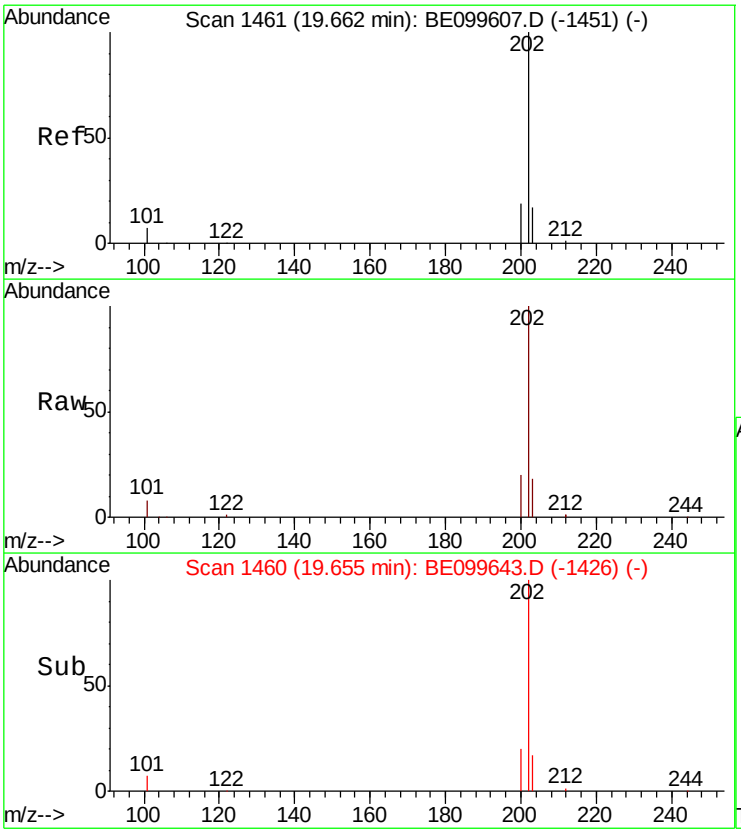
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:240 Resp: 20400

Ion	Ratio	Lower	Upper
240	100		
120	5.4	5.7	8.5#
236	27.6	22.8	34.2

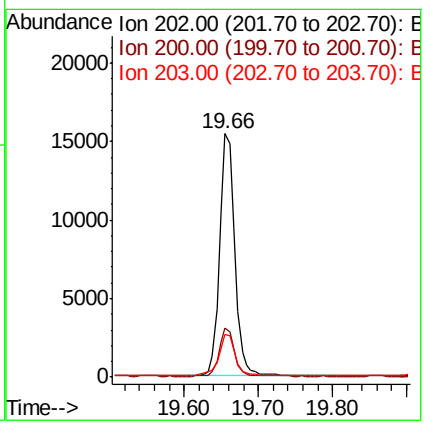


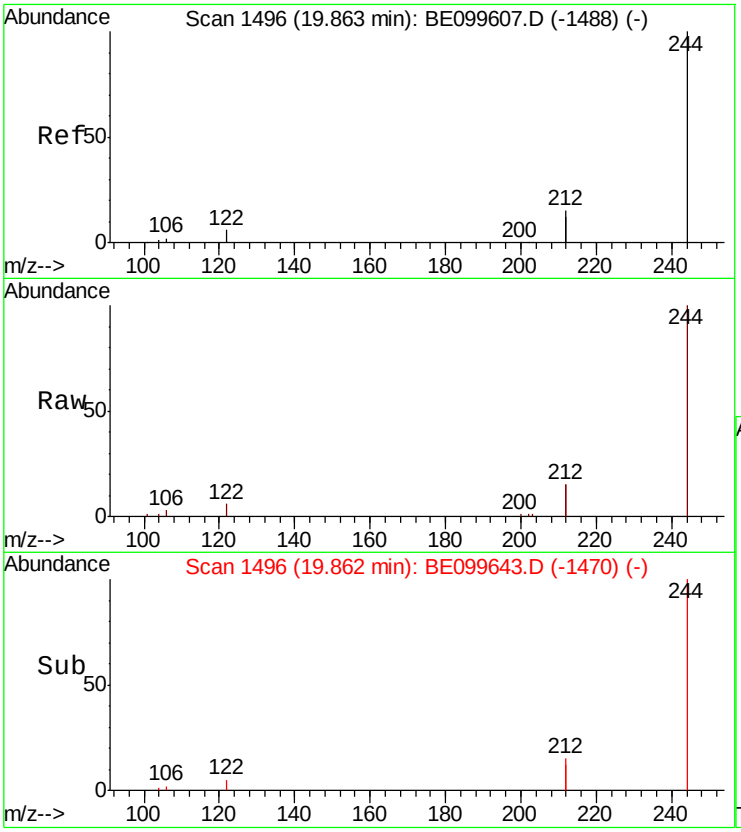


#28
Pyrene
Concen: 0.425 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:202 Resp: 22095

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.8	23.6
203	18.4	14.1	21.1



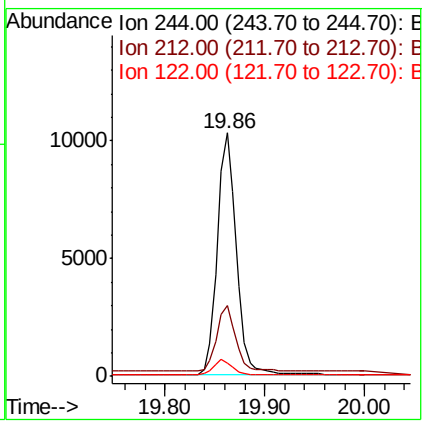


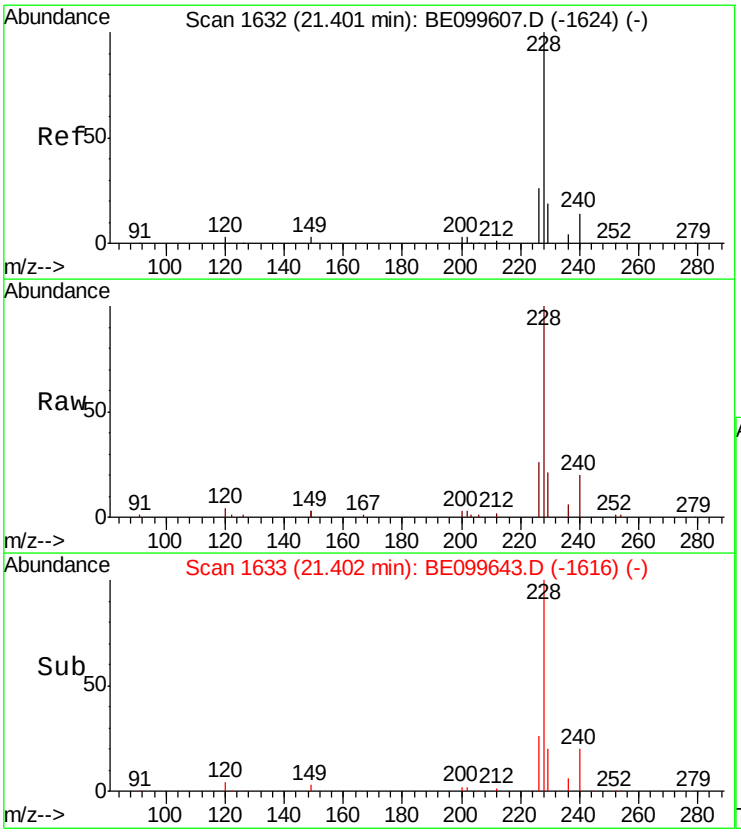
#29
Terphenyl-d14
Concen: 0.372 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:244 Resp: 13667

Ion	Ratio	Lower	Upper
244	100		
212	29.0	23.8	35.6
122	5.7	5.0	7.6

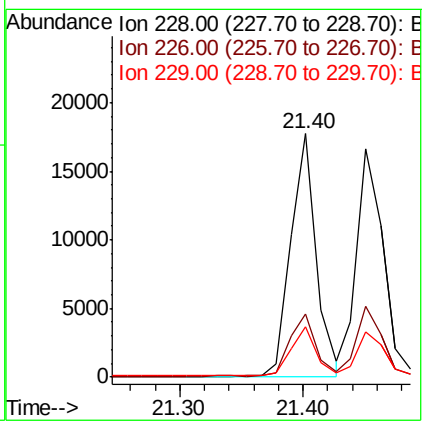


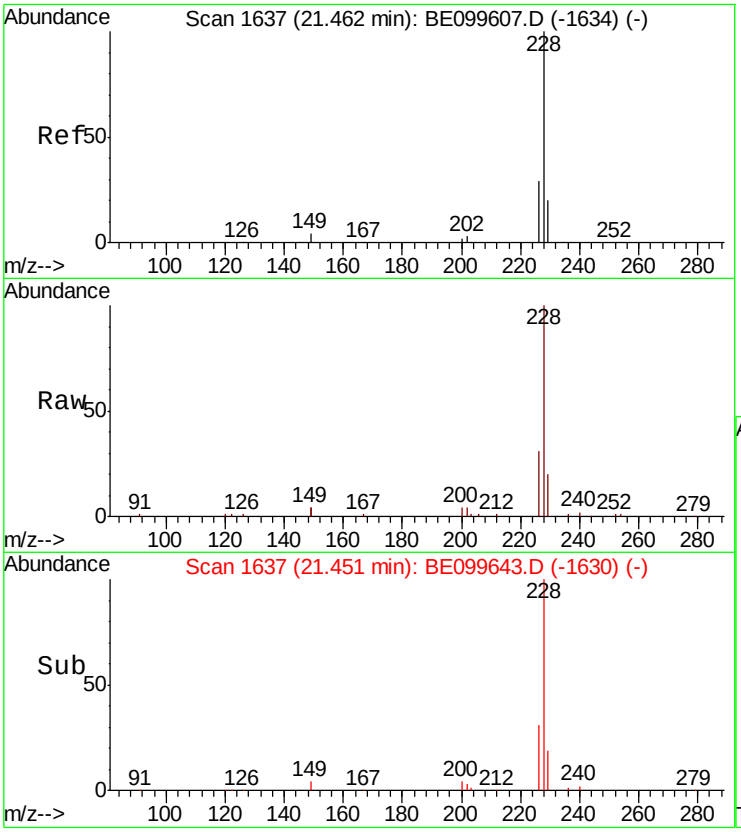


#30
Benzo(a)anthracene
Concen: 0.410 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:228 Resp: 25264

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.4	32.2
229	20.7	15.8	23.8



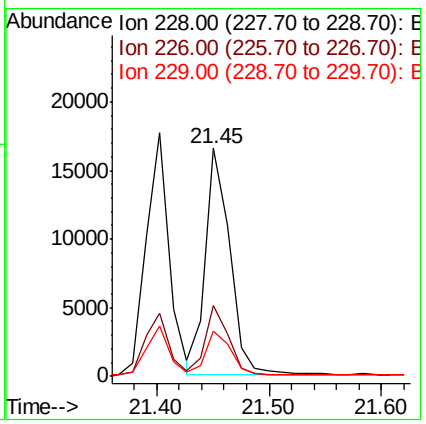


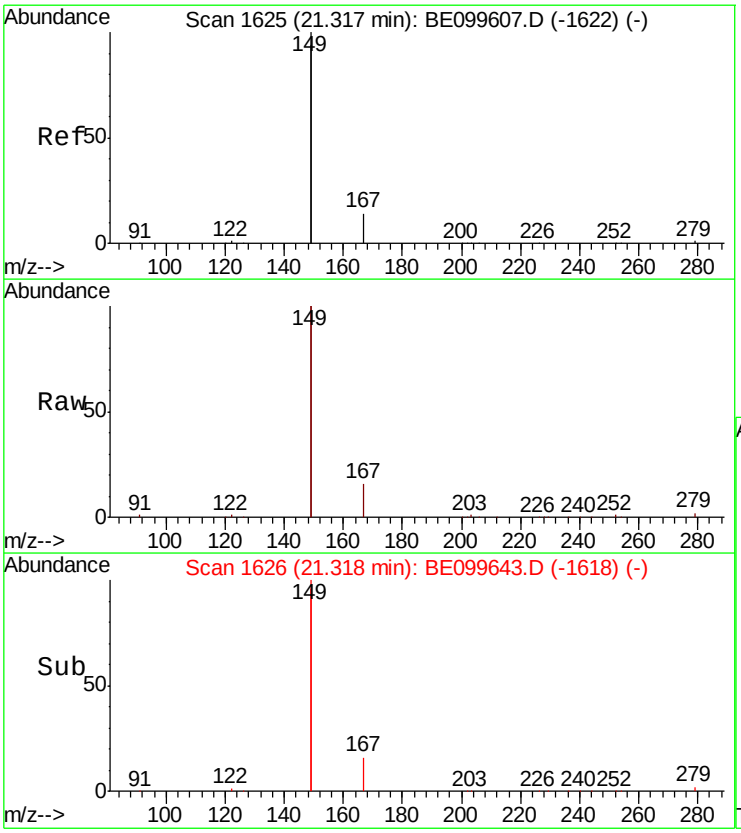
#31
Chrysene
Concen: 0.390 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:228 Resp: 24771

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.4
229	20.0	16.4	24.6

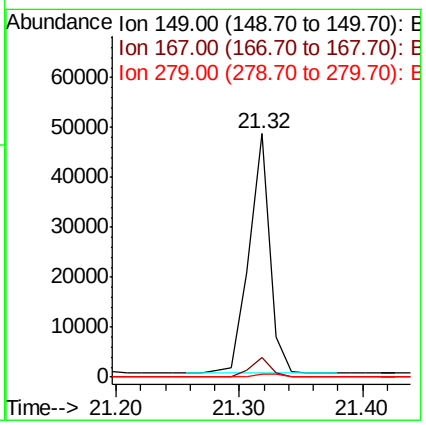


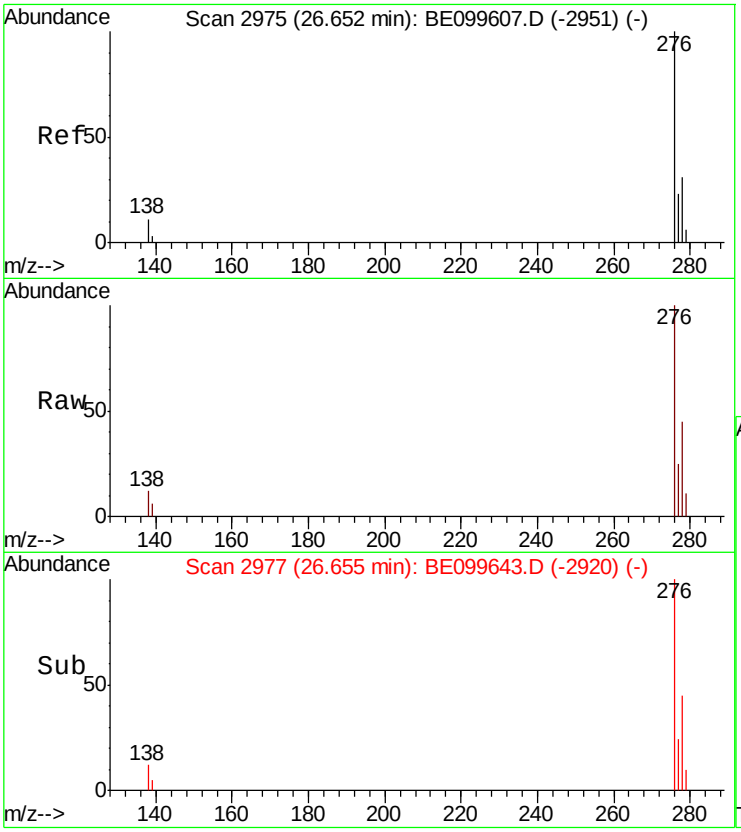


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.590 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:149 Resp: 56106

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.0	9.0
279	1.3	1.1	1.7



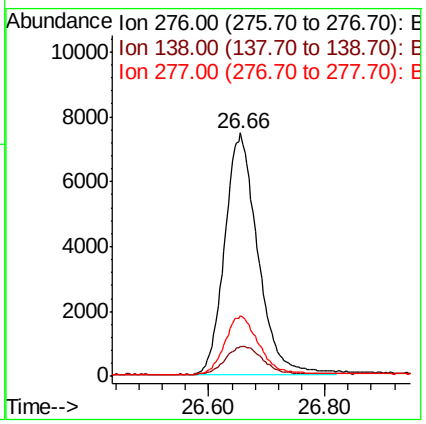


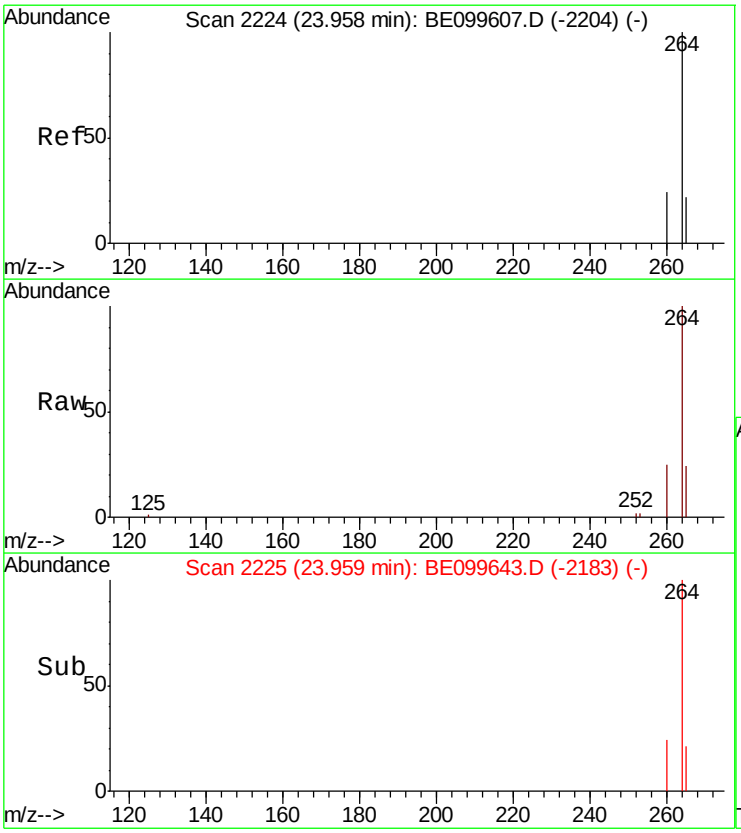
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 26.66 min Scan# 2977
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:276 Resp: 29395

Ion	Ratio	Lower	Upper
276	100		
138	13.2	10.0	15.0
277	24.3	19.1	28.7

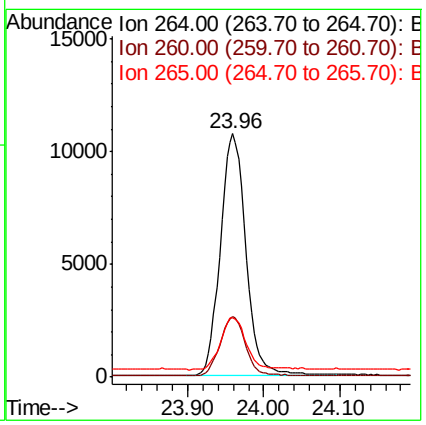


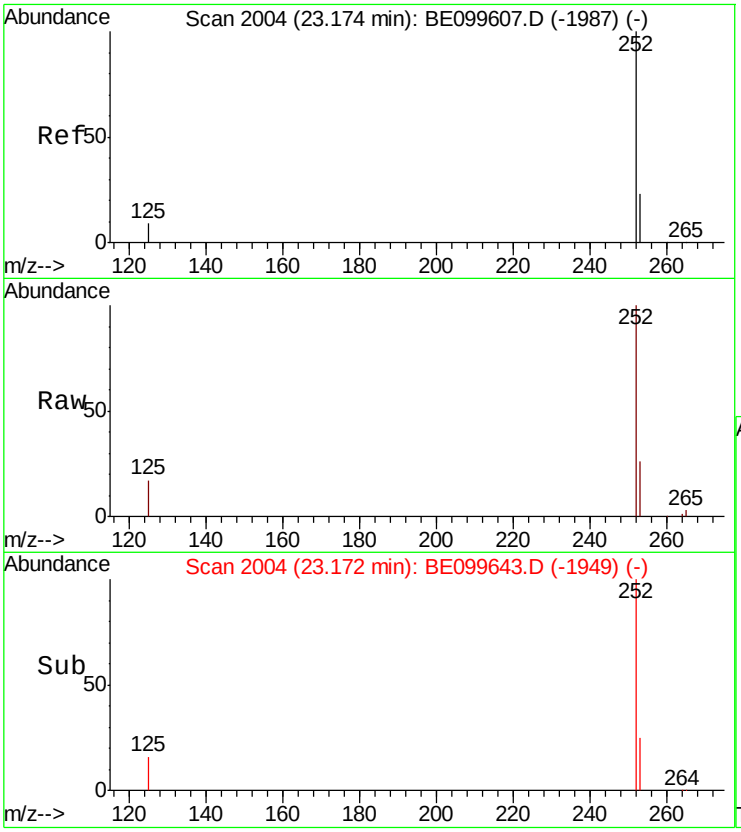


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:264 Resp: 25099

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	24.4	21.2	31.8



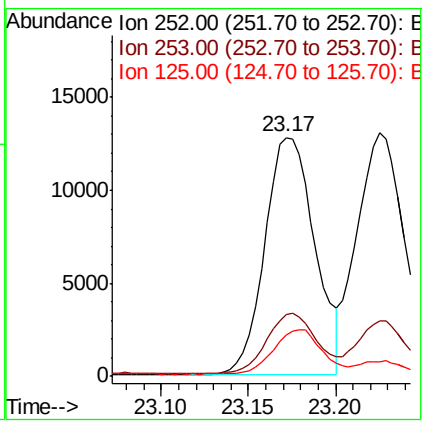


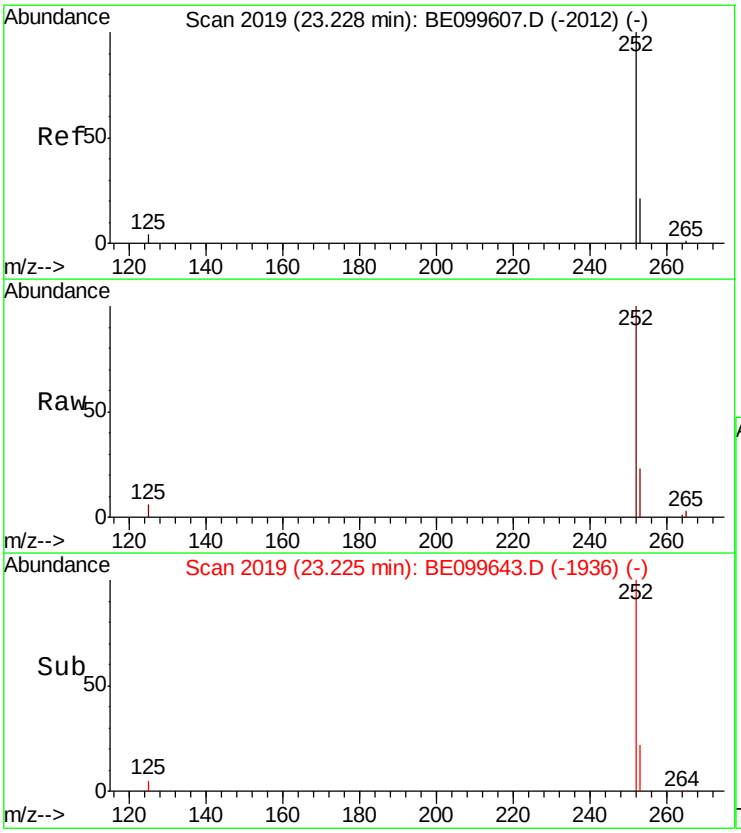
#35
Benzo(b)fluoranthene
Concen: 0.362 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:252 Resp: 25423

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.1	28.7
125	17.1	7.8	11.8#

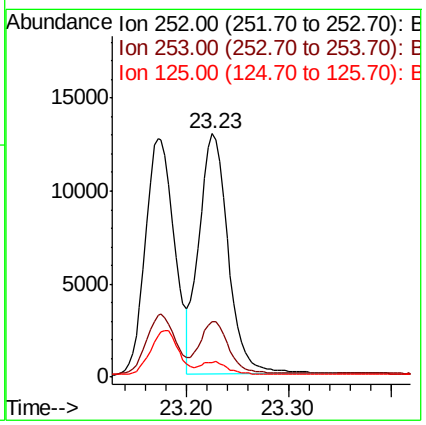


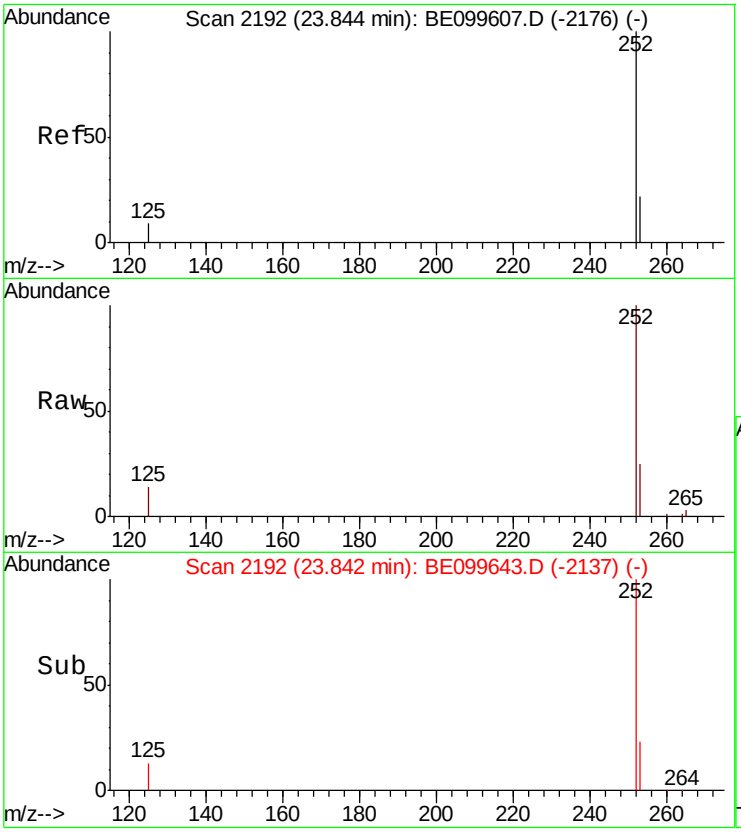


#36
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 23.23 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:252 Resp: 25666

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	28.0
125	6.2	5.2	7.8



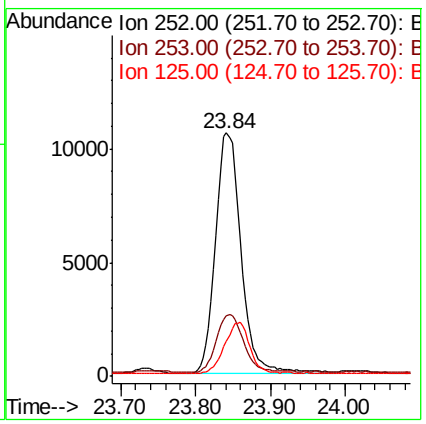


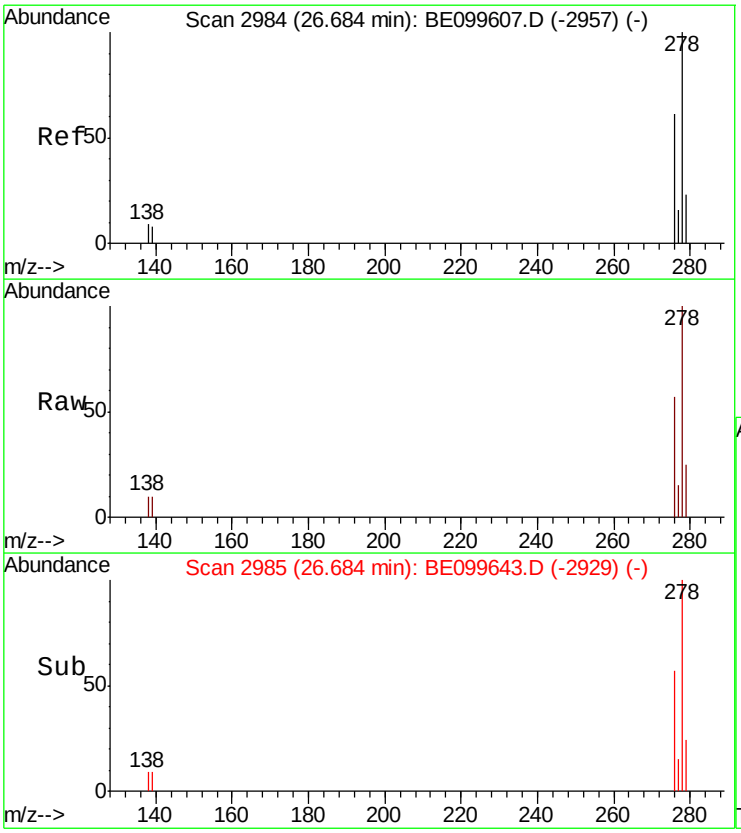
#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 23.84 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:252 Resp: 25359

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.0	28.6
125	14.3	8.8	13.2#

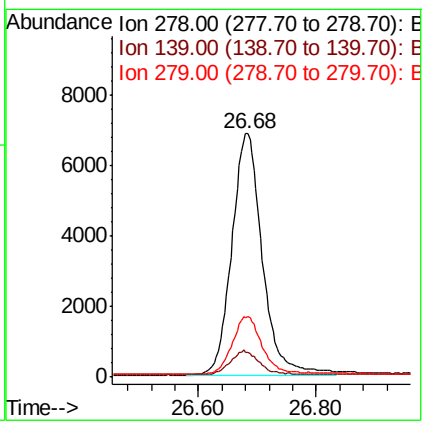


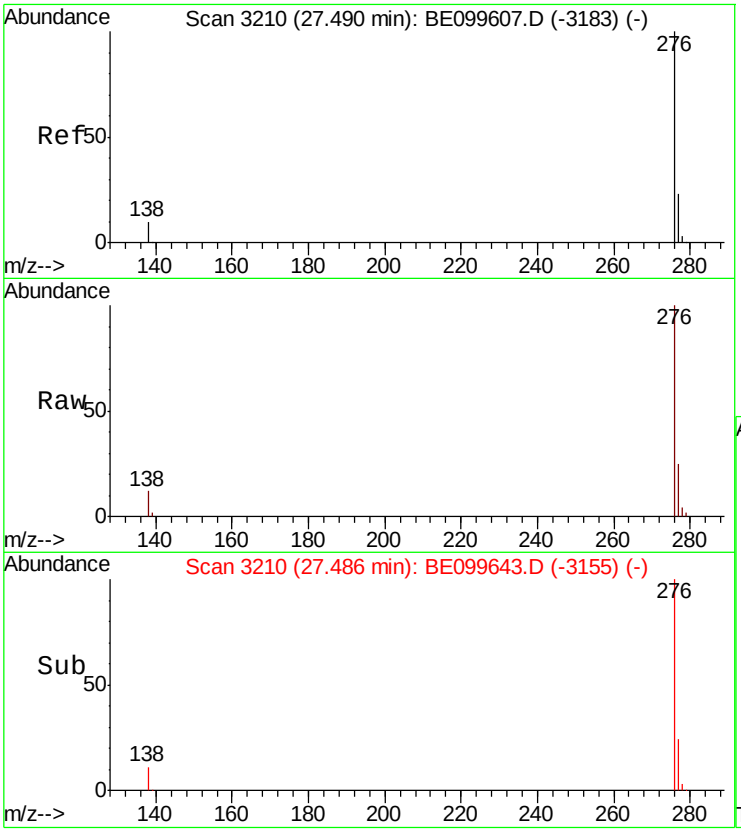


#38
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 26.68 min Scan# 2985
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:278 Resp: 24642

Ion	Ratio	Lower	Upper
278	100		
139	10.0	7.9	11.9
279	25.0	19.5	29.3





#39
Benzo(g,h,i)perylene
Concen: 0.354 ng
RT: 27.49 min Scan# 3210
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tgt Ion:276 Resp: 25108

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