Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
Data File : BE099644.D
Acq On : 17 May 2019 10:13
Operator : JU/SJ
Sample : K2845-01MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FEBH-01MSD

Quant Time: May 17 11:51:28 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	2374	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	7967	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	5238	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	14334	0.40	ng		0.00
27) Chrysene-d12	21.41	240	20962	0.40	ng		0.00
34) Perylene-d12	23.96	264	26420	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	2244	0.33	ng		0.00
5) Phenol-d6	6.97	99	3170	0.37	ng		0.00
8) Nitrobenzene-d5	8.98	82	2682	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	6268	0.47	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	1050	0.29	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	7221	0.36	ng		0.00
25) Fluoranthene-d10	19.26	212	65177	0.34	ng		0.00
29) Terphenyl-d14	19.86	244	13713	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	898	0.256	ng	#	63
3) n-Nitrosodimethylamine	3.62	42	666	0.298	ng	#	84
6) bis(2-Chloroethyl)ether	7.24	93	2575	0.358	ng		91
9) Naphthalene	10.67	128	32096	0.379	ng		99
10) Hexachlorobutadiene	10.94	225	2273	0.366	ng		98
12) 2-Methylnaphthalene	12.30	142	5268	0.376	ng		97
16) Acenaphthylene	14.21	152	8908	0.360	ng		100
17) Acenaphthene	14.54	154	4970	0.356	ng		100
18) Fluorene	15.53	166	7205	0.360	ng		98
20) 4-Bromophenyl-phenylether	16.43	248	2953	0.357	ng		95
21) Hexachlorobenzene	16.53	284	2852	0.351	ng		98
22) Pentachlorophenol	16.88	266	2045	0.708	ng		91
23) Phenanthrene	17.27	178	14144	0.397	ng		99
24) Anthracene	17.36	178	11978	0.365	ng		100
26) Fluoranthene	19.29	202	21350	0.397	ng		99
28) Pyrene	19.65	202	21957	0.411	ng		98
30) Benzo(a)anthracene	21.40	228	26389	0.417	ng		100
31) Chrysene	21.45	228	25439	0.390	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	55900	0.572	ng		100
33) Indeno(1,2,3-cd)pyrene	26.65	276	31413	0.387	ng		99
35) Benzo(b)fluoranthene	23.17	252	26543	0.359	ng	#	90
36) Benzo(k)fluoranthene	23.22	252	27006	0.370	ng		99
37) Benzo(a)pyrene	23.84	252	26481	0.370	ng	#	95
38) Dibenzo(a,h)anthracene	26.68	278	26291	0.354	ng		99
39) Benzo(g,h,i)perylene	27.48	276	26495	0.355	ng		100

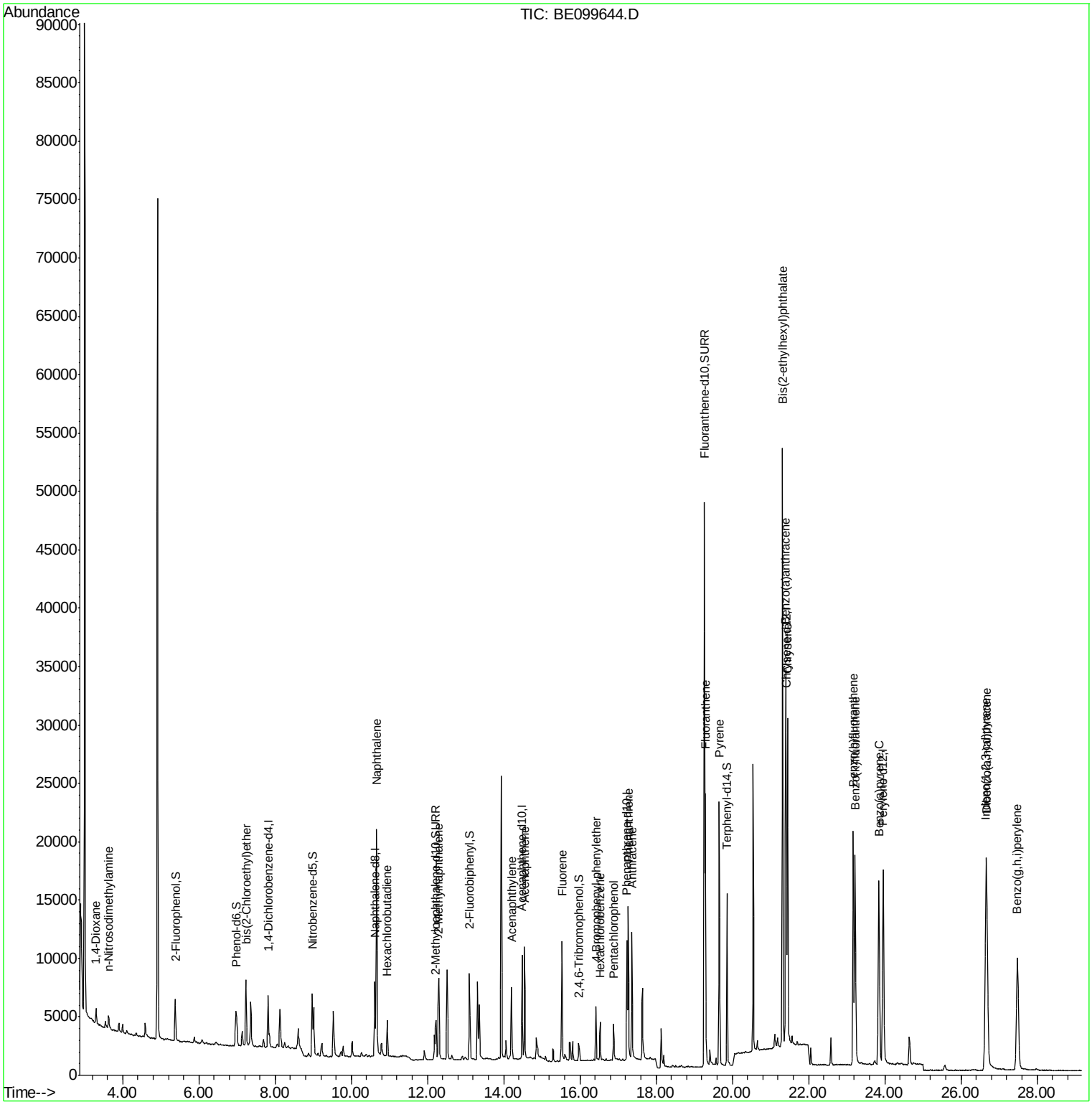
(#) = qualifier out of range (m) = manual integration (+) = signals summed

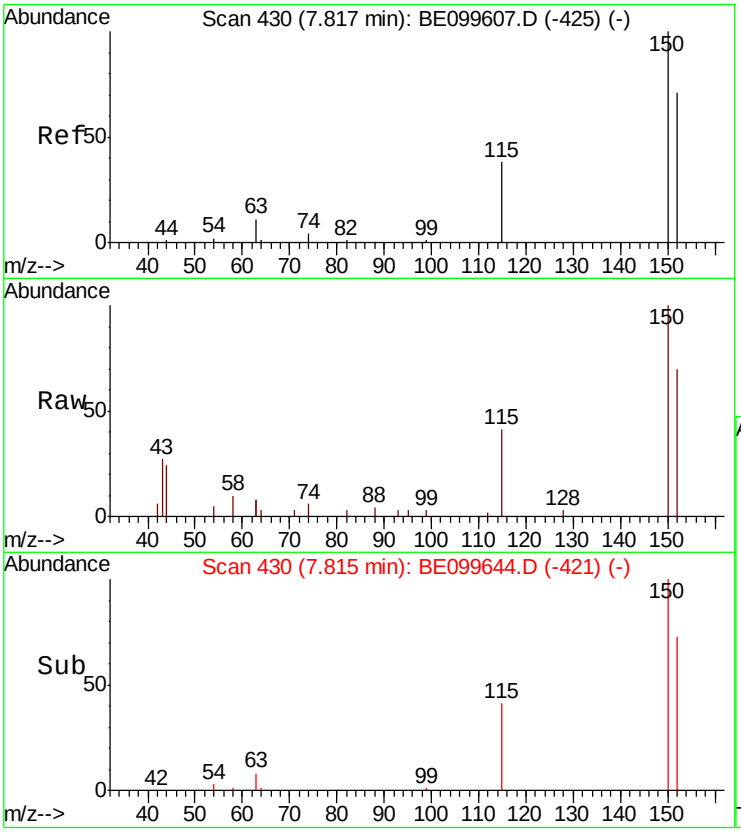
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
Data File : BE099644.D
Acq On : 17 May 2019 10:13
Operator : JU/SJ
Sample : K2845-01MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Quant Time: May 17 11:51:28 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



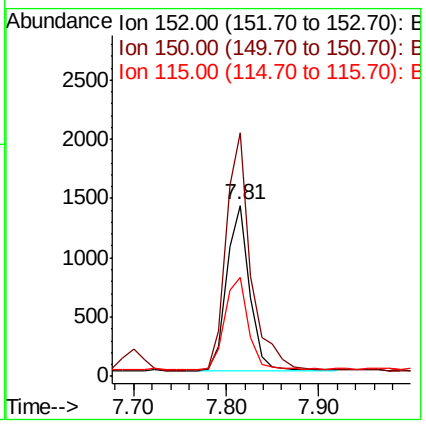


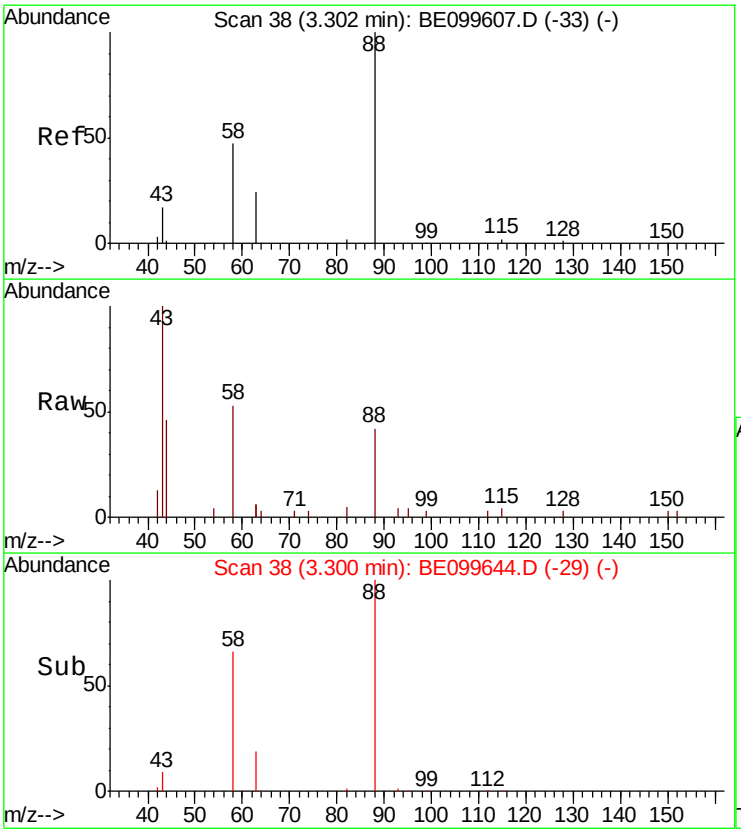
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:152 Resp: 2374

Ion	Ratio	Lower	Upper
152	100		
150	142.2	110.1	165.1
115	57.9	46.2	69.4

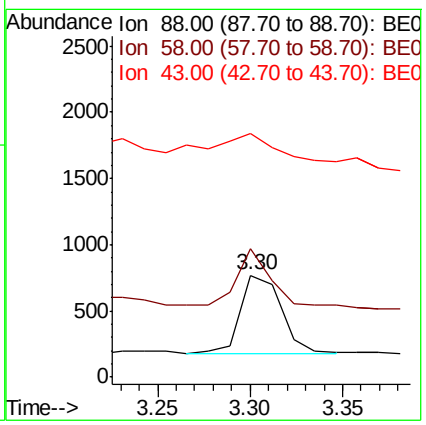


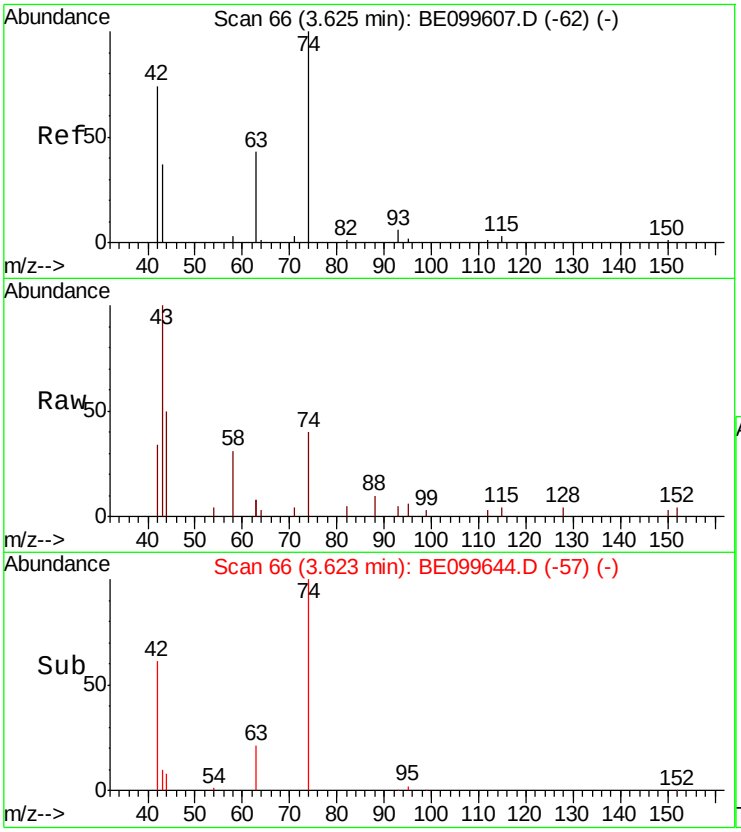


#2
1,4-Dioxane
Concen: 0.256 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion: 88 Resp: 898

Ion	Ratio	Lower	Upper
88	100		
58	66.6	39.8	59.6#
43	57.5	21.0	31.6#



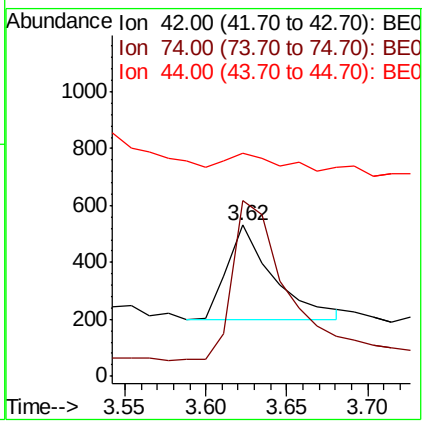


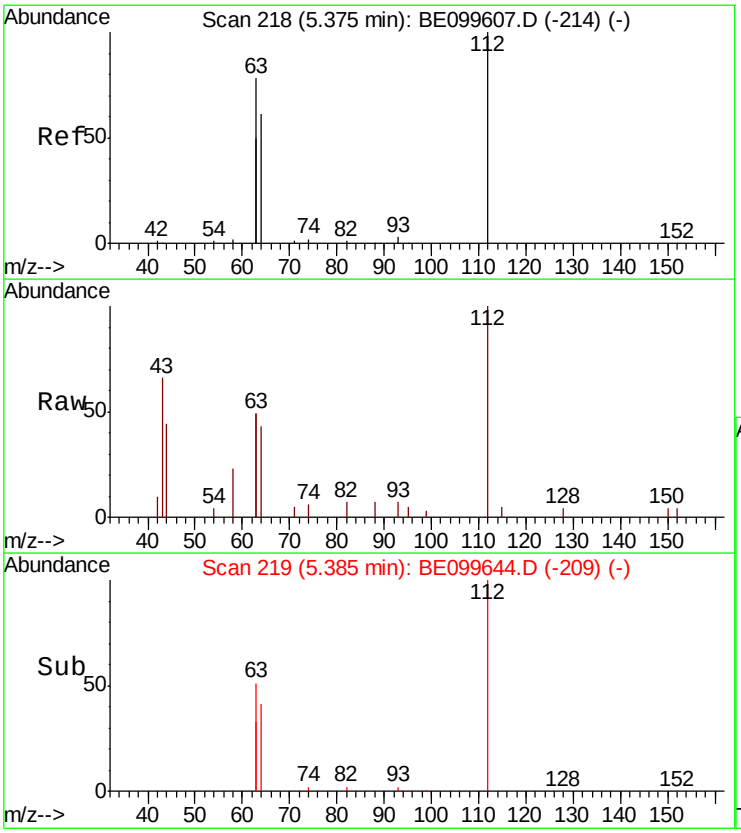
#3
n-Nitrosodimethylamine
Concen: 0.298 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion: 42 Resp: 666

Ion	Ratio	Lower	Upper
42	100		
74	191.7	134.7	202.1
44	19.4	12.5	18.7#

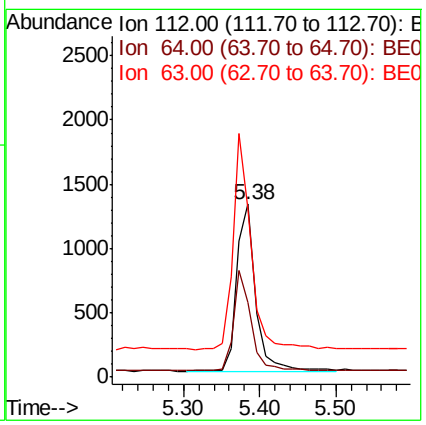


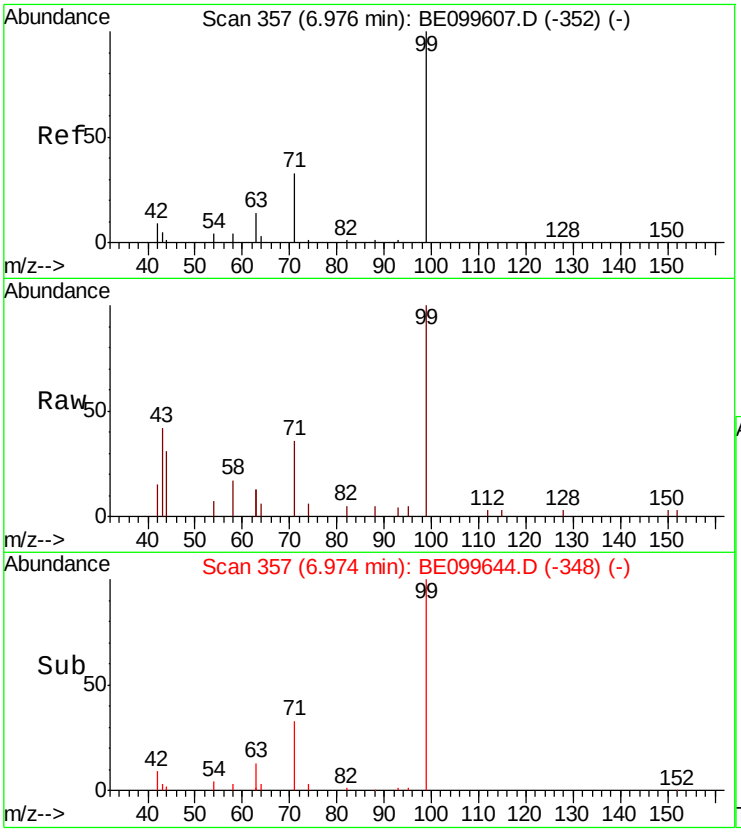


#4
2-Fluorophenol
Concen: 0.333 ng
RT: 5.38 min Scan# 219
Delta R.T. 0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:112 Resp: 2244

Ion	Ratio	Lower	Upper
112	100		
64	56.9	43.7	65.5
63	124.6	94.0	141.0



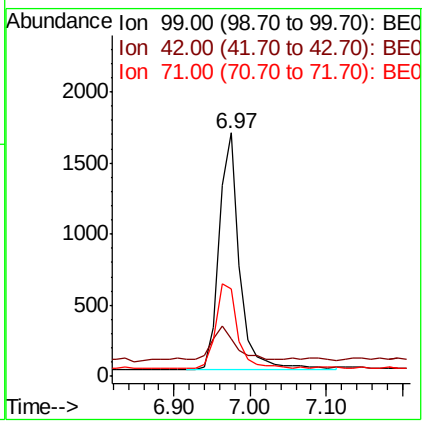


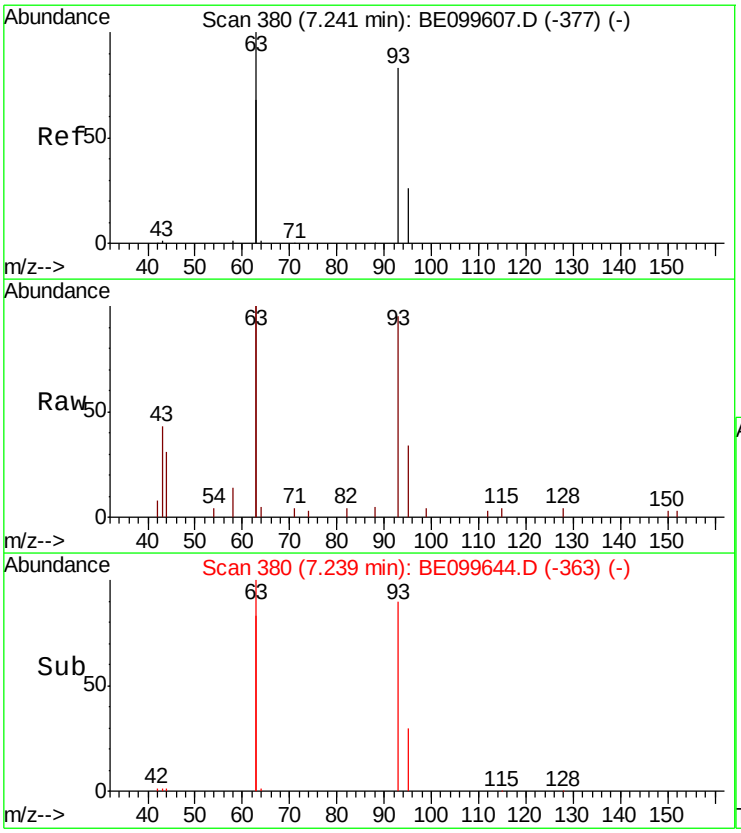
#5
Phenol-d6
Concen: 0.371 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion: 99 Resp: 3170

Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.3	21.5
71	37.3	33.1	49.7

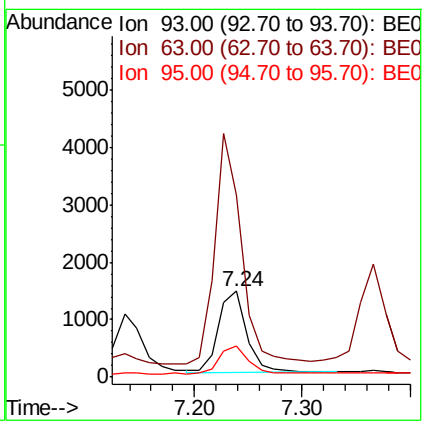


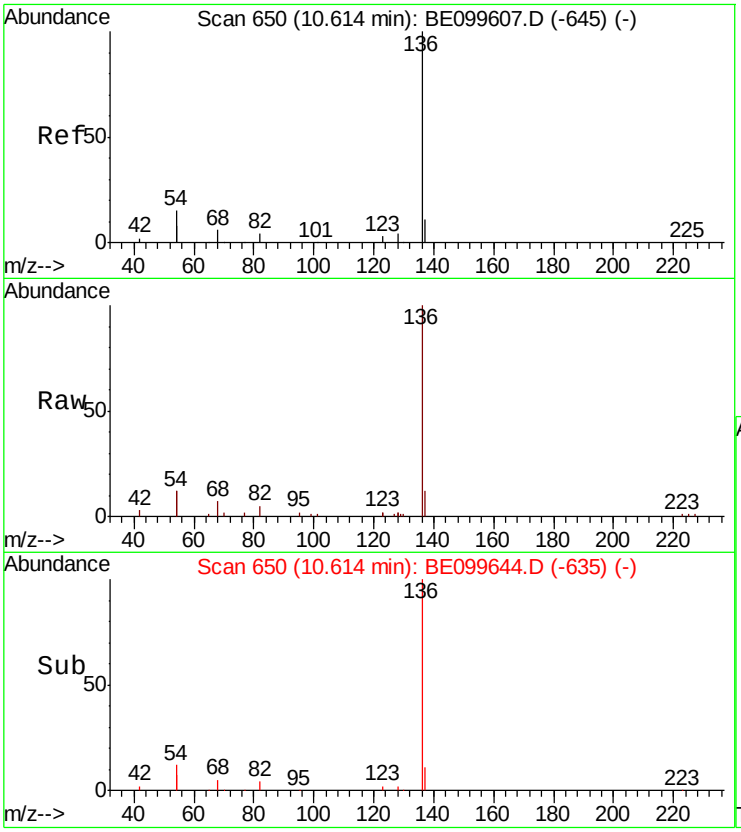


#6
bis(2-Chloroethyl)ether
Concen: 0.358 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion: 93 Resp: 2575

Ion	Ratio	Lower	Upper
93	100		
63	267.2	201.0	301.4
95	34.0	25.0	37.4



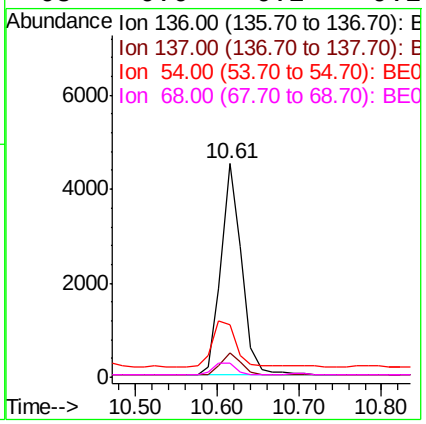


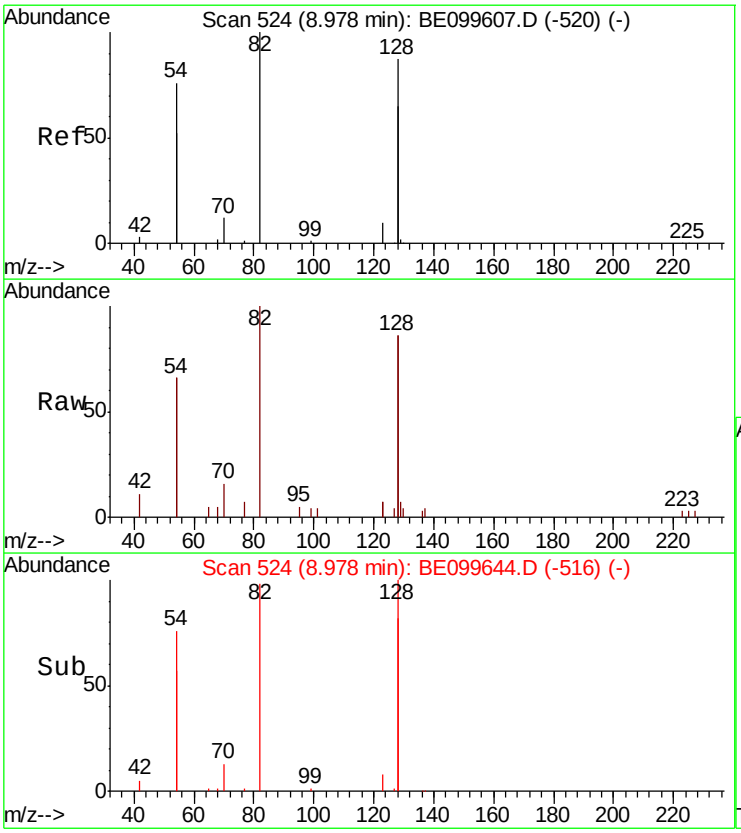
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:136 Resp: 7967

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	24.6	23.8	35.8
68	6.6	6.2	9.2

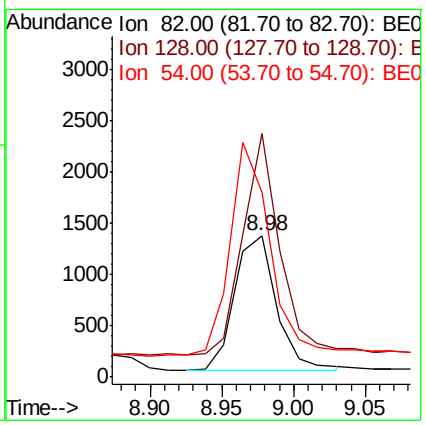


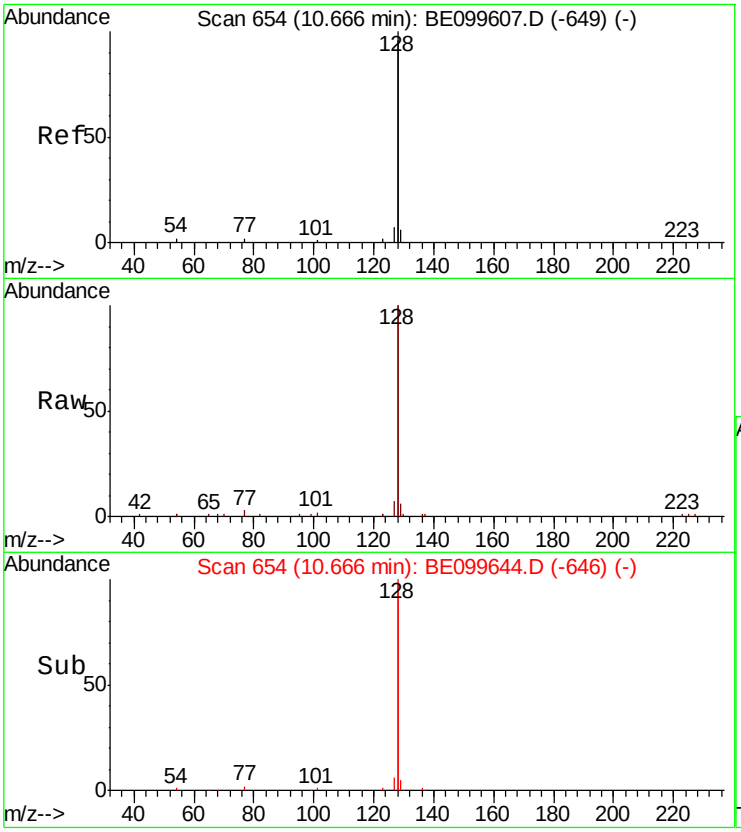


#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion: 82 Resp: 2682

Ion	Ratio	Lower	Upper
82	100		
128	172.3	131.4	197.2
54	131.2	113.9	170.9



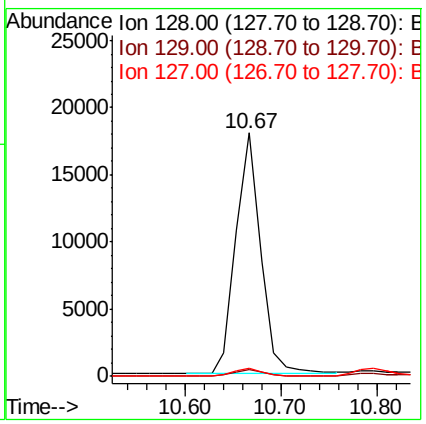


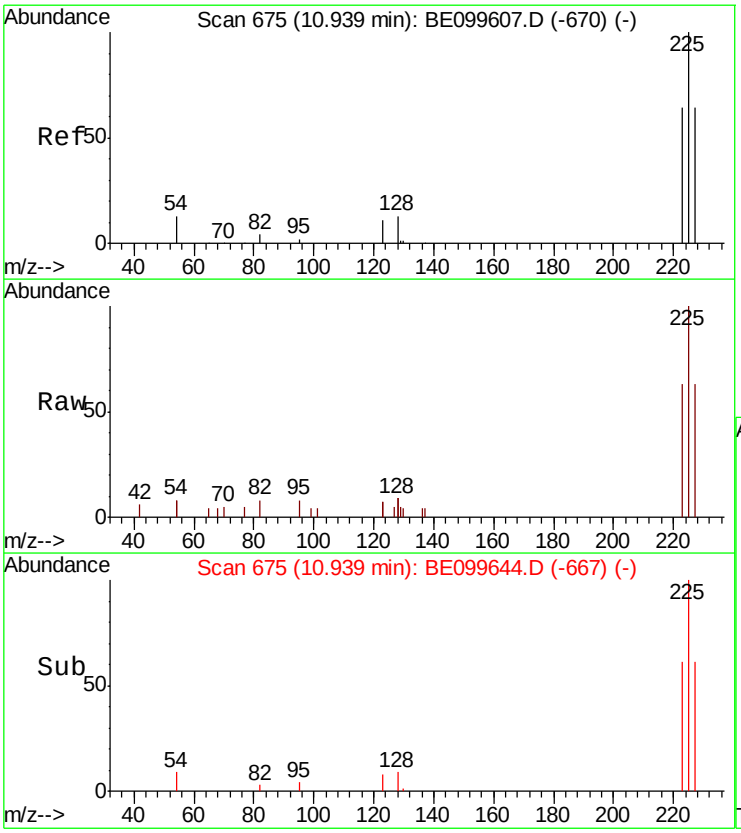
#9
Naphthalene
Concen: 0.379 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:128 Resp: 32096

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	4.0
127	3.5	3.0	4.6

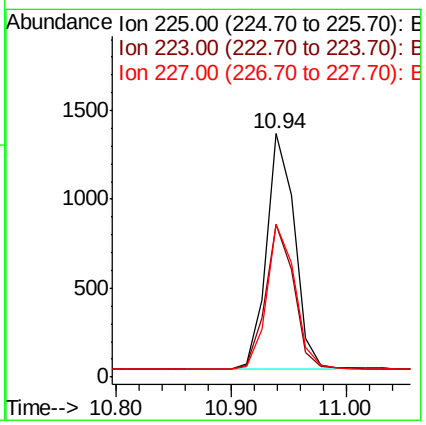


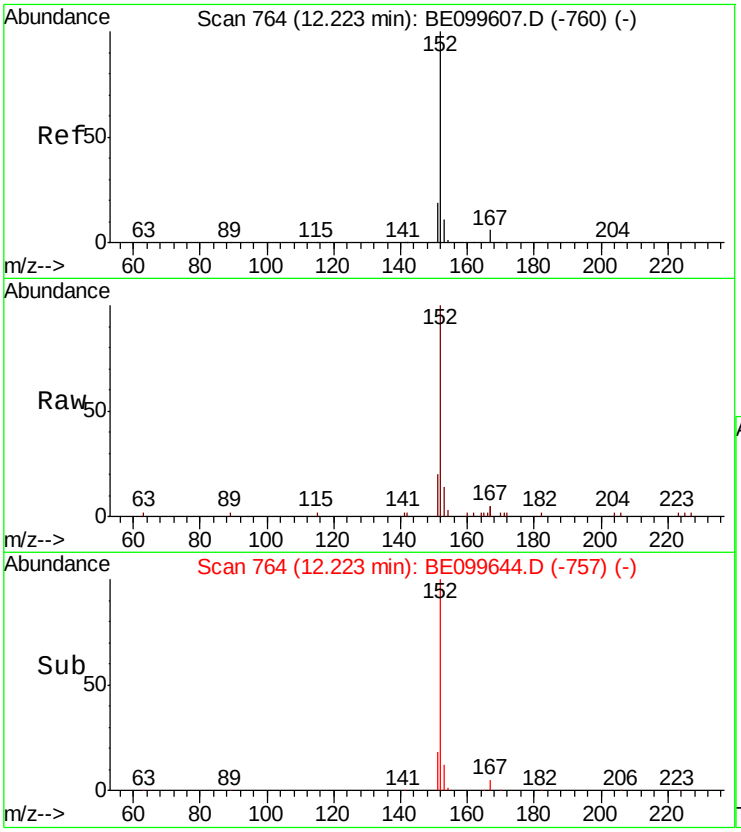


#10
Hexachlorobutadiene
Concen: 0.366 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:225 Resp: 2273

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.8	74.8
227	61.6	51.2	76.8



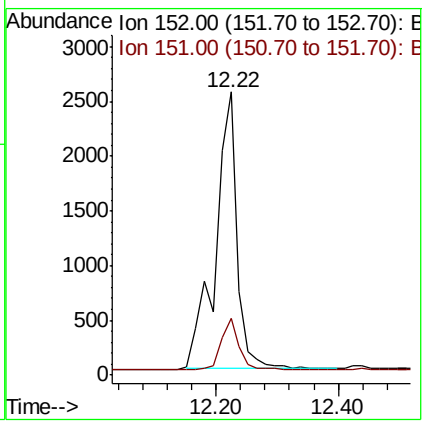


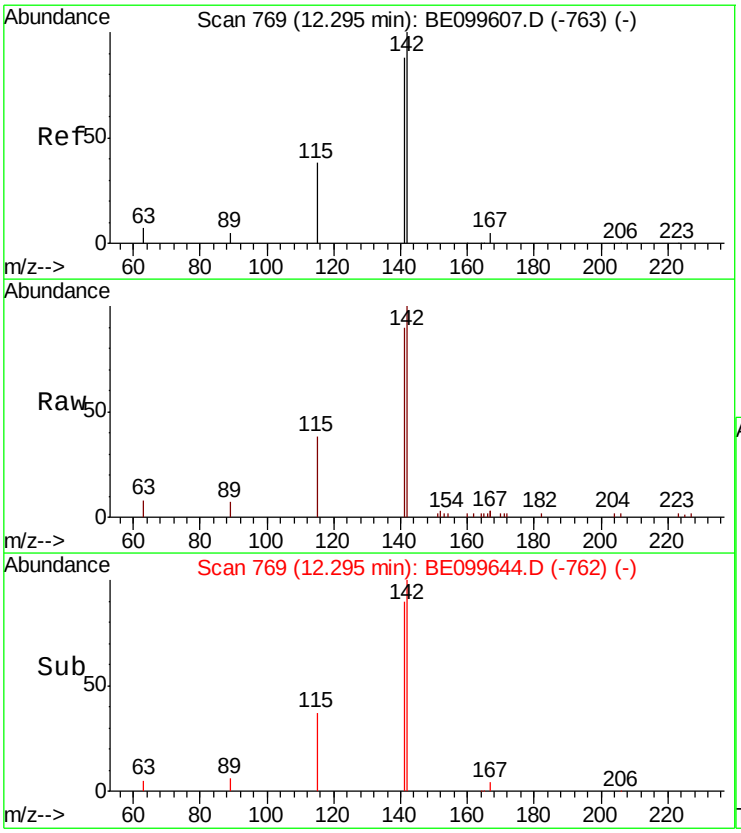
#11
2-Methylnaphthalene-d10
Concen: 0.468 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:152 Resp: 6268

Ion	Ratio	Lower	Upper
152	100		
151	15.3	15.3	22.9

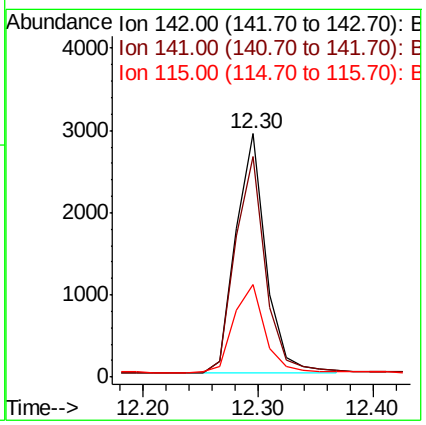


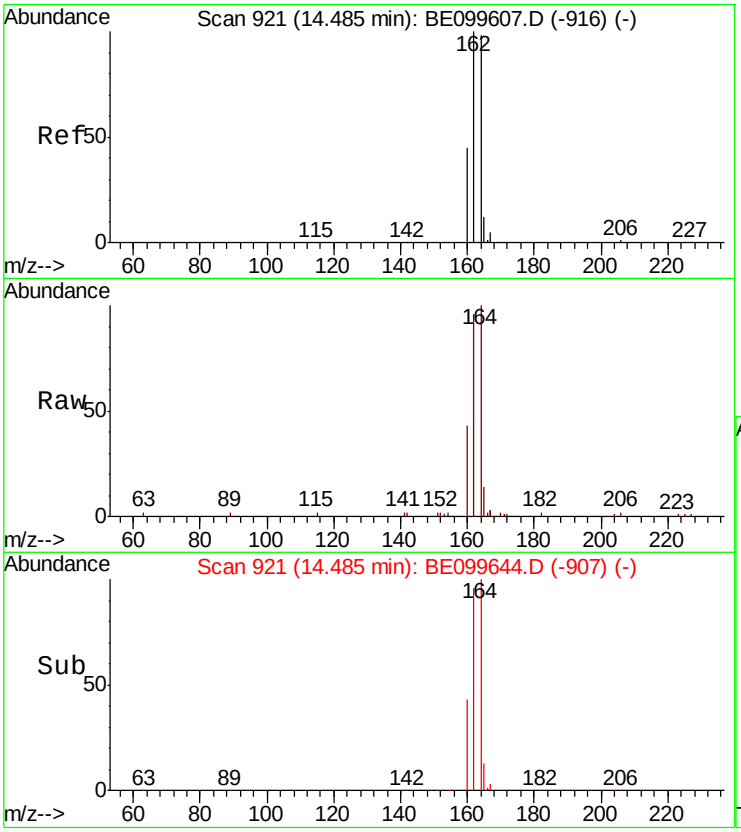


#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:142 Resp: 5268

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.4	105.6
115	38.1	32.2	48.4



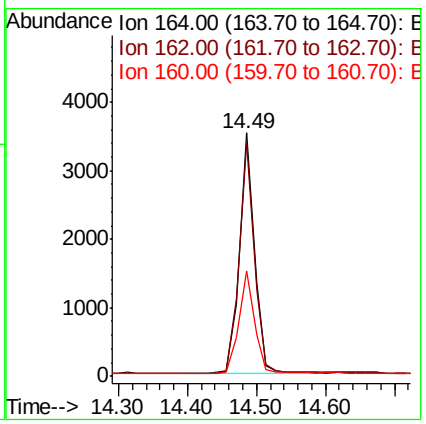


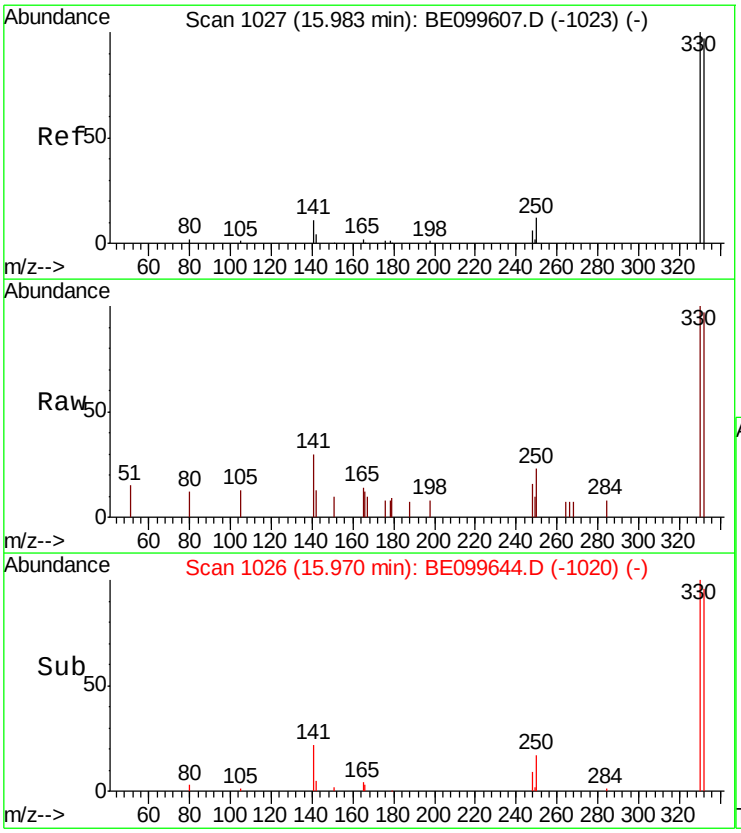
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:164 Resp: 5238

Ion	Ratio	Lower	Upper
164	100		
162	95.7	81.4	122.0
160	43.4	37.4	56.2

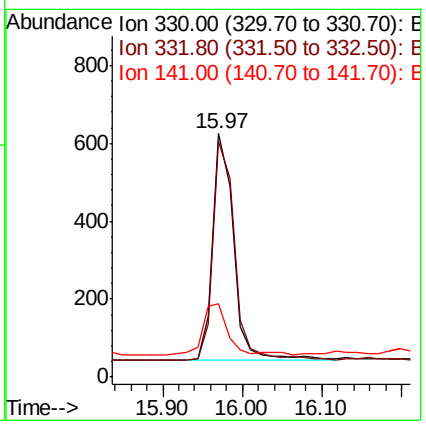


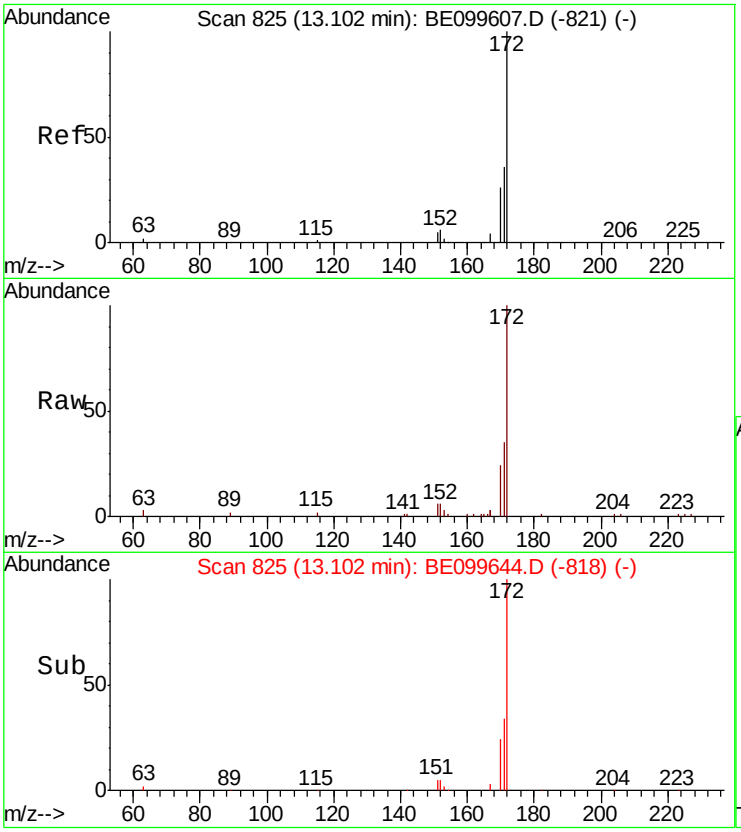


#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:330 Resp: 1050

Ion	Ratio	Lower	Upper
330	100		
332	100.9	73.8	110.8
141	27.0	21.0	31.6



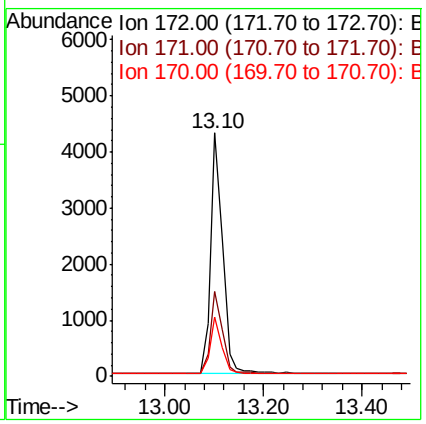


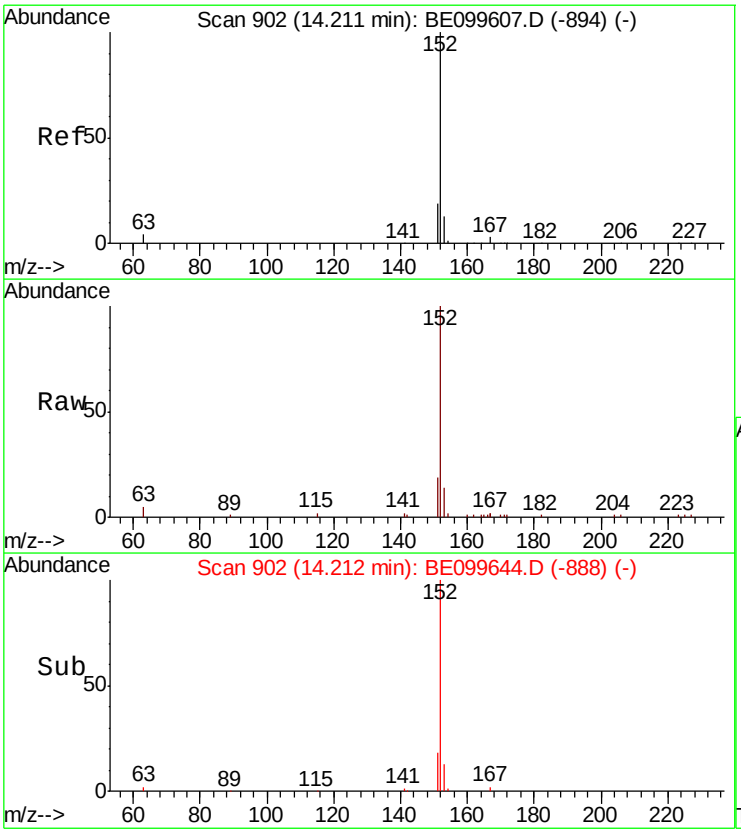
#15
2-Fluorobiphenyl
Concen: 0.358 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:172 Resp: 7221

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.2
170	24.5	21.5	32.3

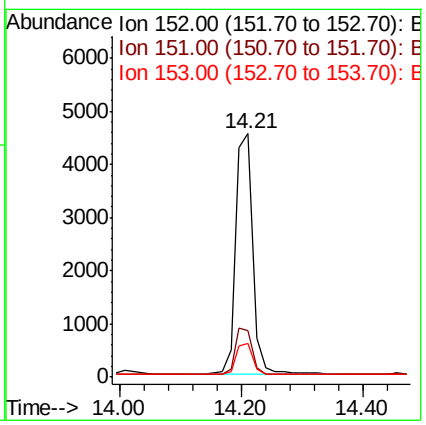


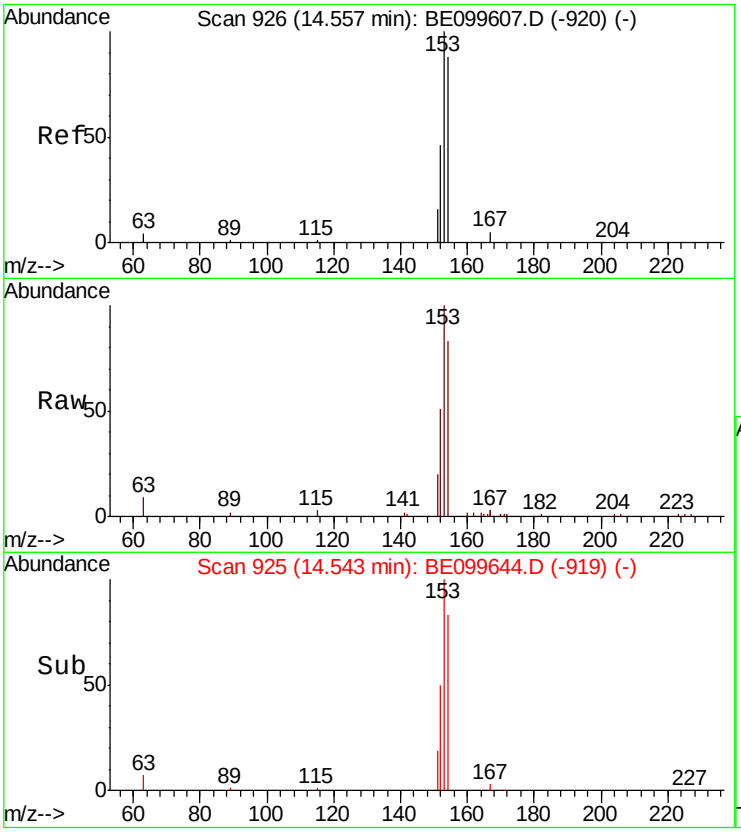


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:152 Resp: 8908

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	12.9	10.4	15.6



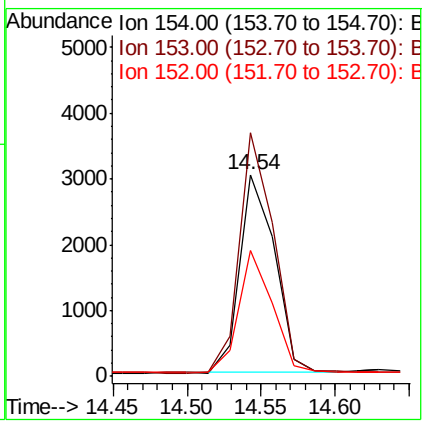


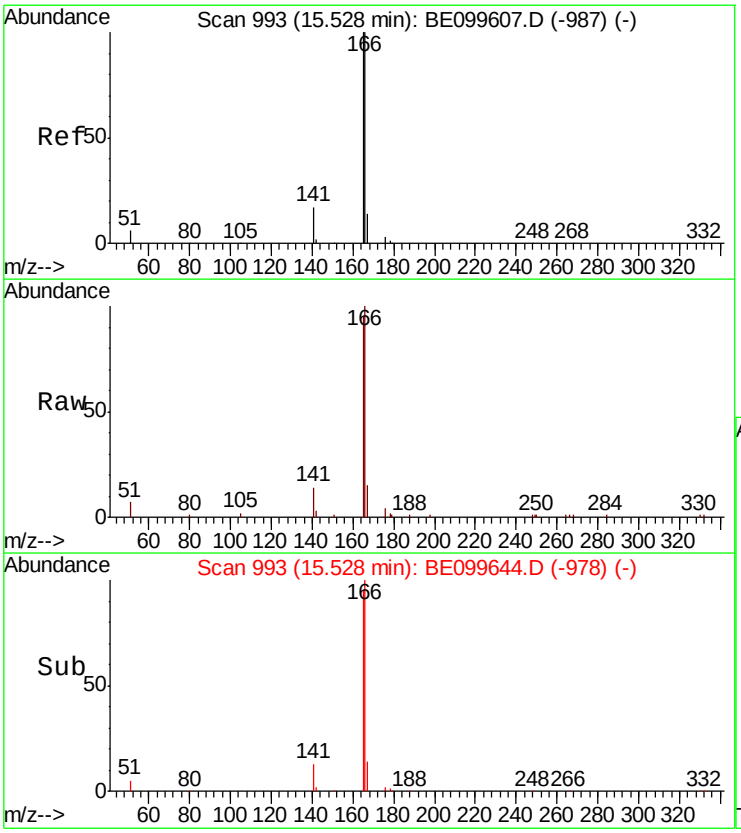
#17
Acenaphthene
Concen: 0.356 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:154 Resp: 4970

Ion	Ratio	Lower	Upper
154	100		
153	117.7	94.1	141.1
152	59.0	46.5	69.7

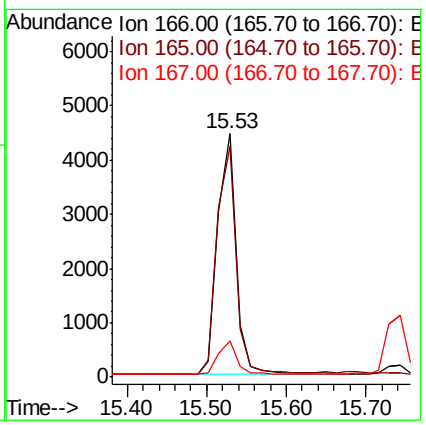


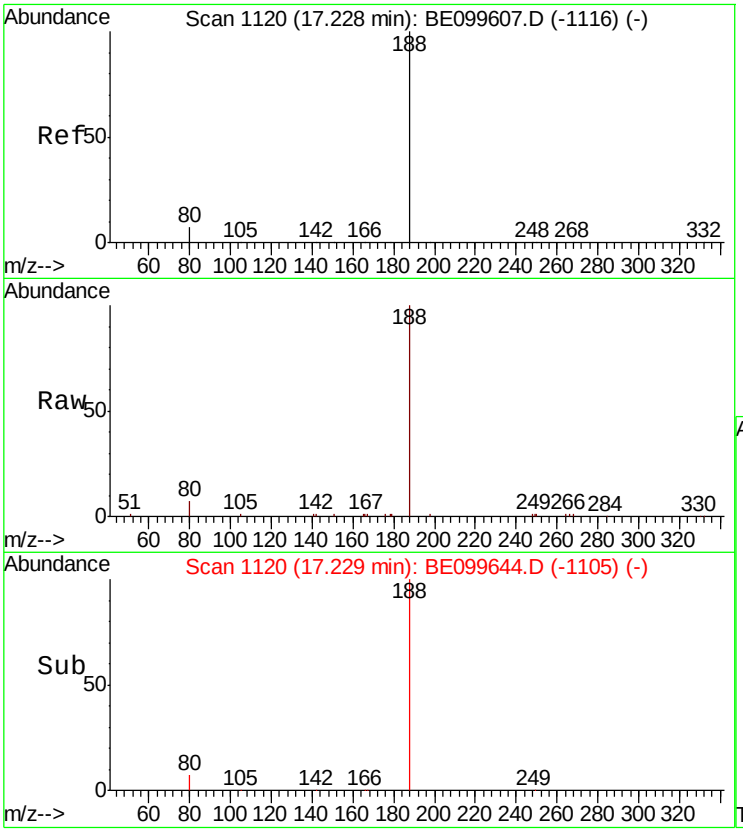


#18
Fluorene
Concen: 0.360 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:166 Resp: 7205

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.8
167	14.4	11.2	16.8



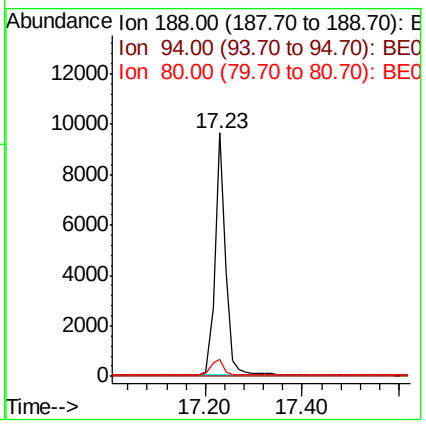


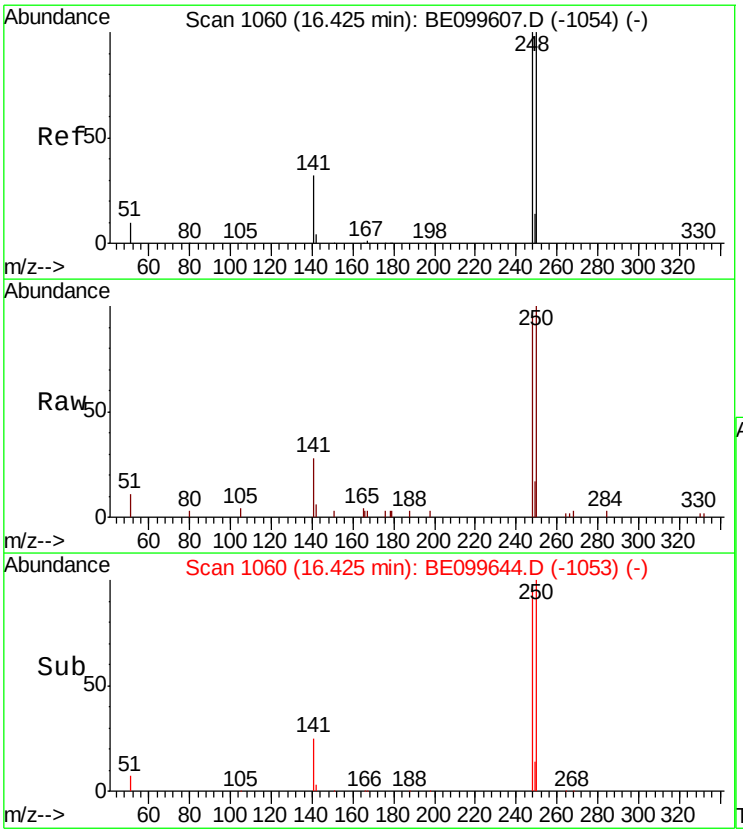
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:188 Resp: 14334

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.1	6.4	9.6

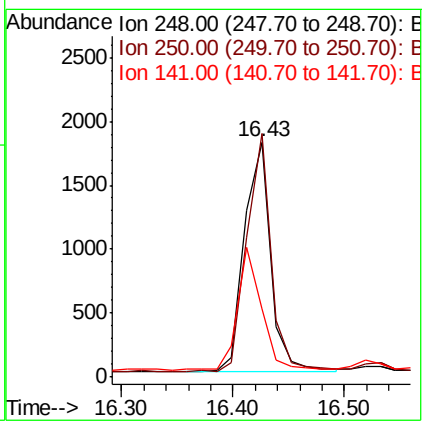


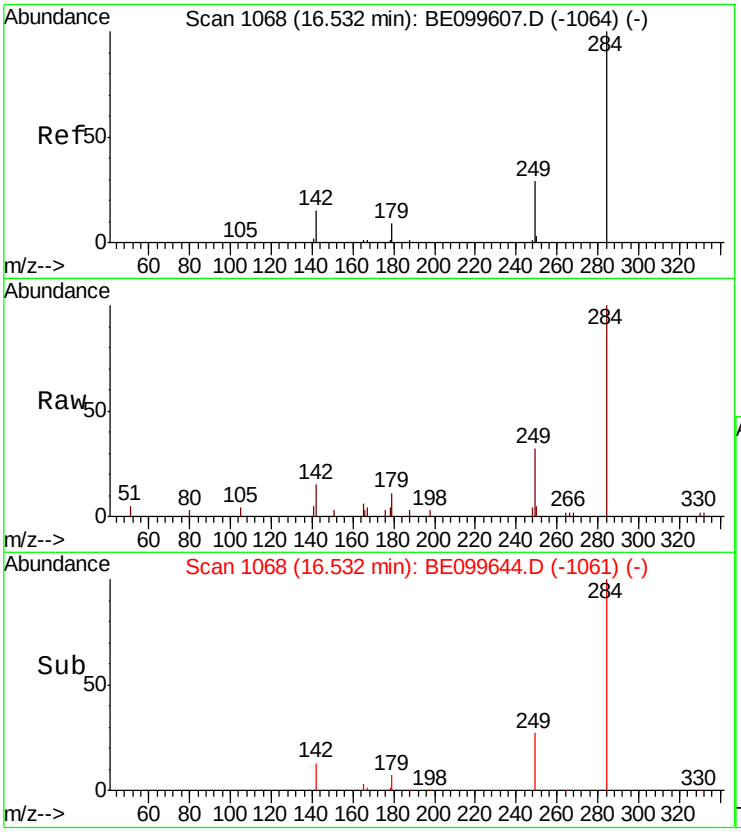


#20
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:248 Resp: 2953

Ion	Ratio	Lower	Upper
248	100		
250	103.6	80.4	120.6
141	28.9	27.8	41.8



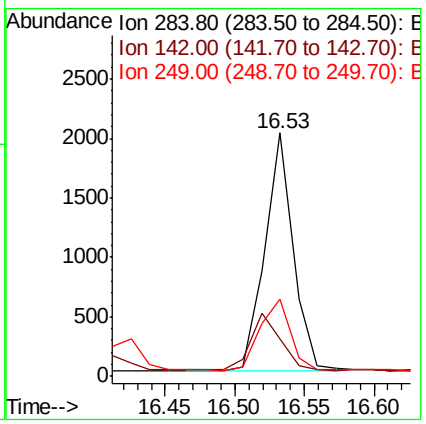


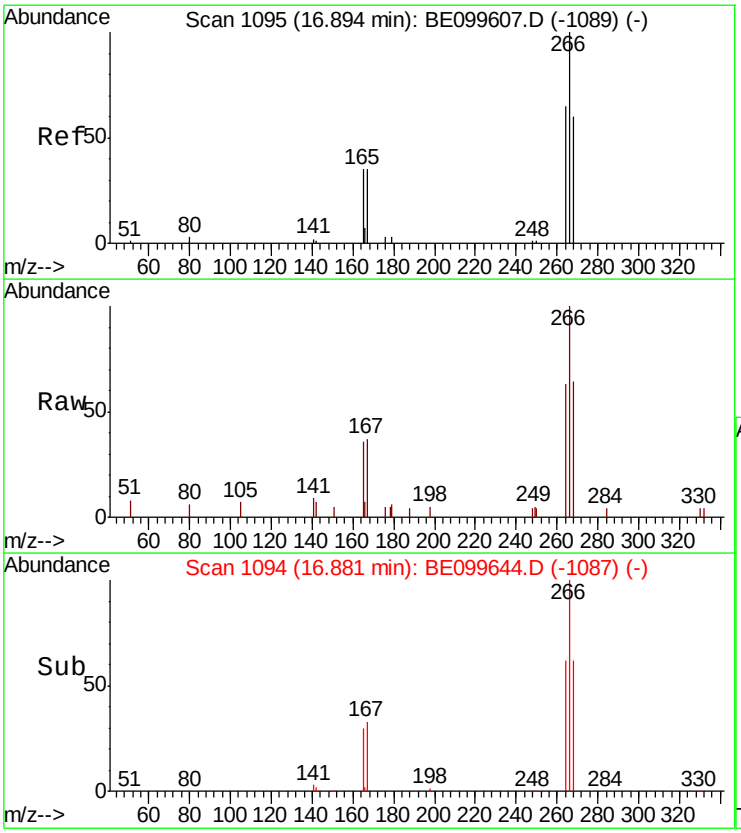
#21
Hexachlorobenzene
Concen: 0.351 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:284 Resp: 2852

Ion	Ratio	Lower	Upper
284	100		
142	24.7	19.4	29.2
249	32.2	24.6	37.0

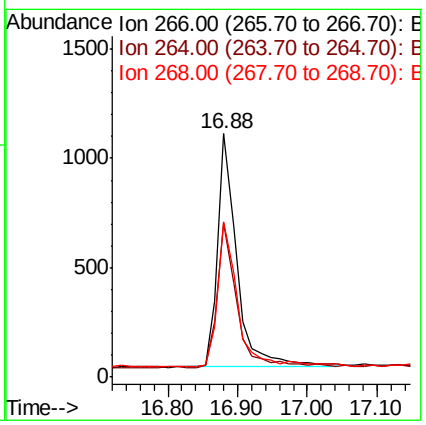


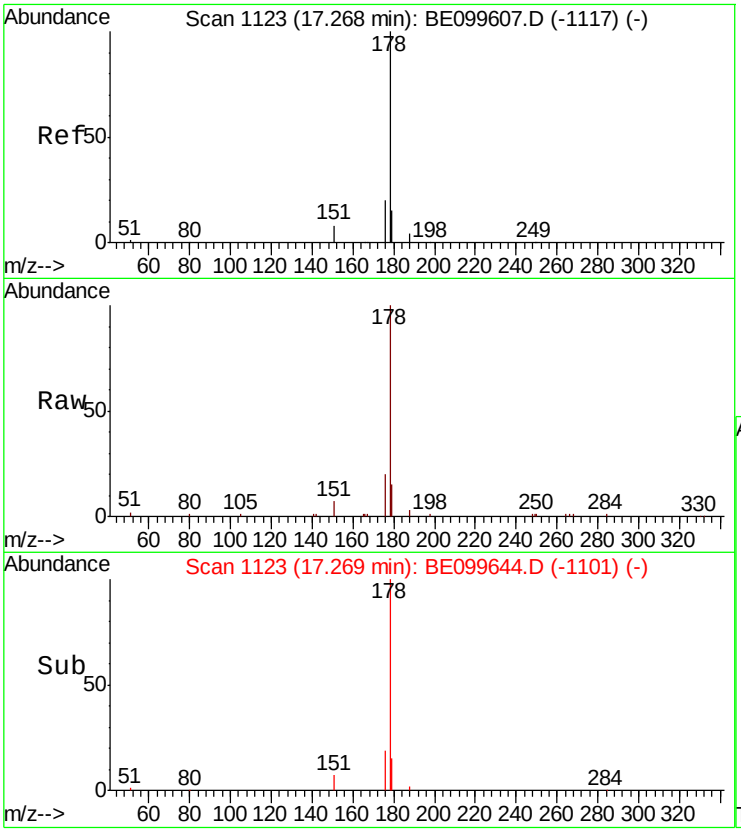


#22
Pentachlorophenol
Concen: 0.708 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:266 Resp: 2045

Ion	Ratio	Lower	Upper
266	100		
264	63.3	57.7	86.5
268	63.8	55.8	83.8



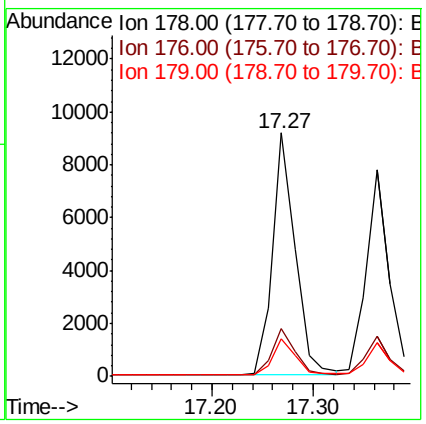


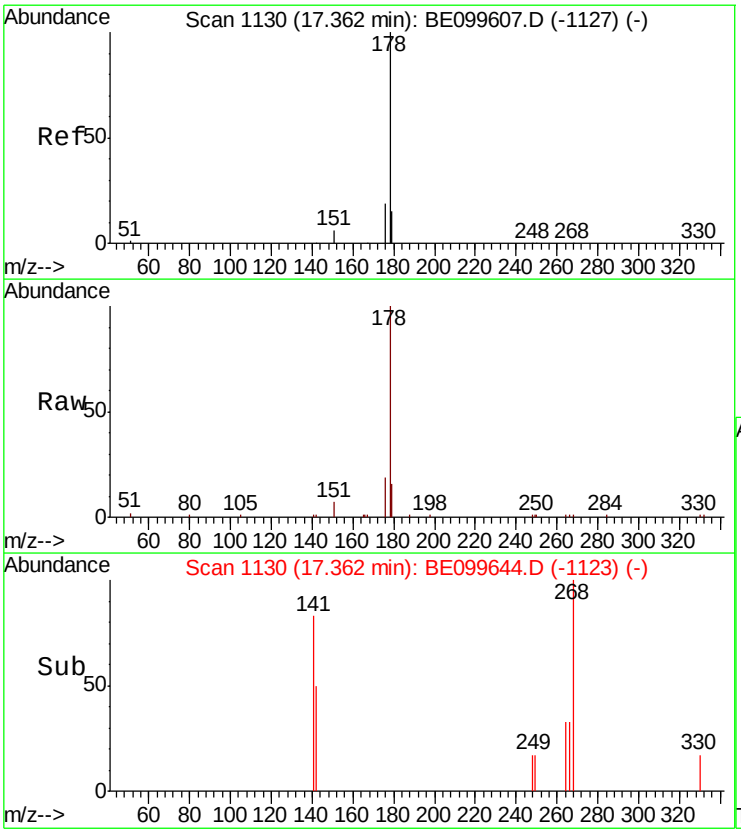
#23
Phenanthrene
Concen: 0.397 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:178 Resp: 14144

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.0	12.2	18.2

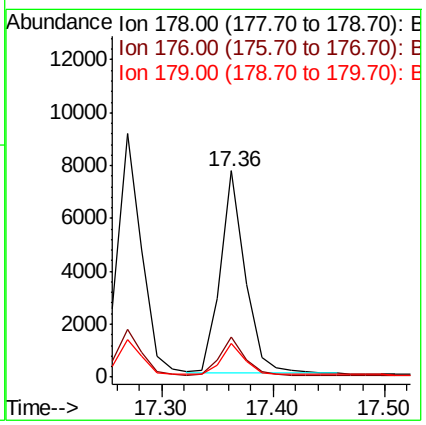


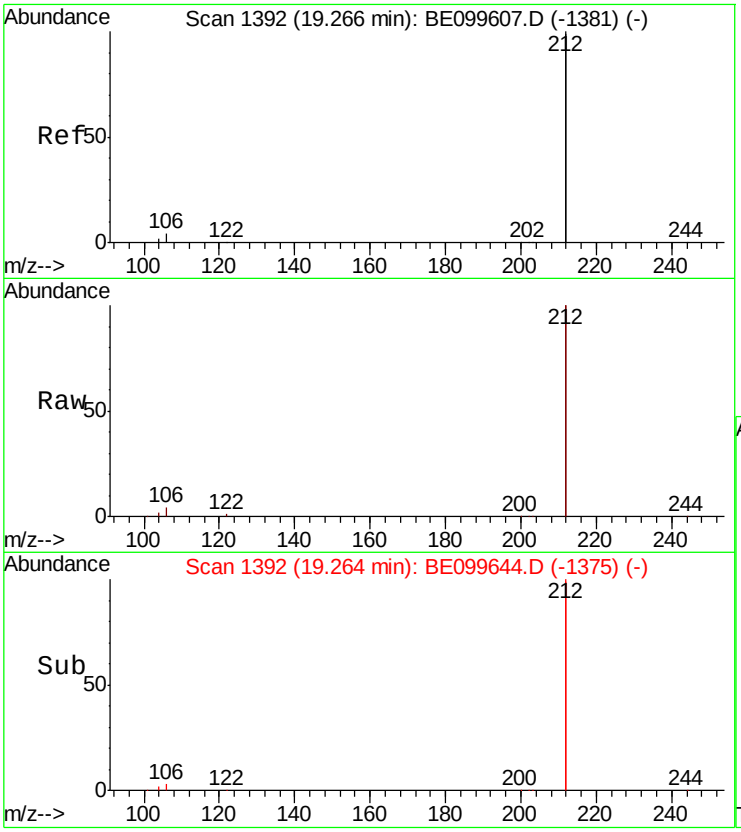


#24
Anthracene
Concen: 0.365 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:178 Resp: 11978

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	14.8	12.1	18.1



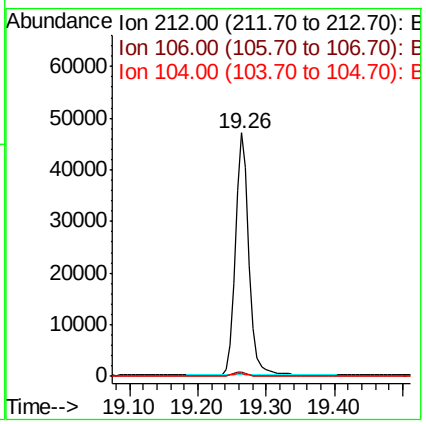


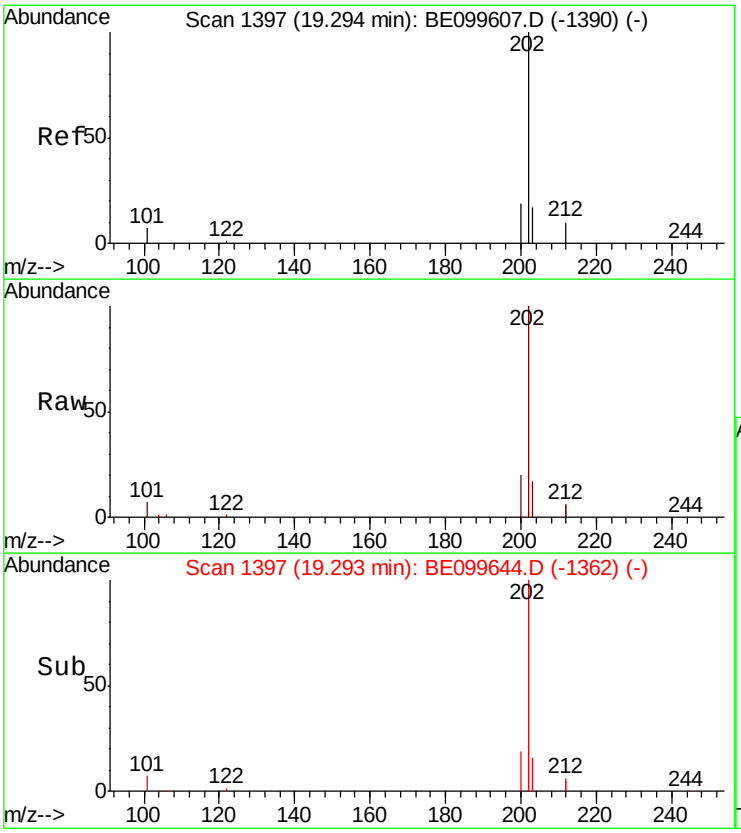
#25
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:212 Resp: 65177

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.9	1.3

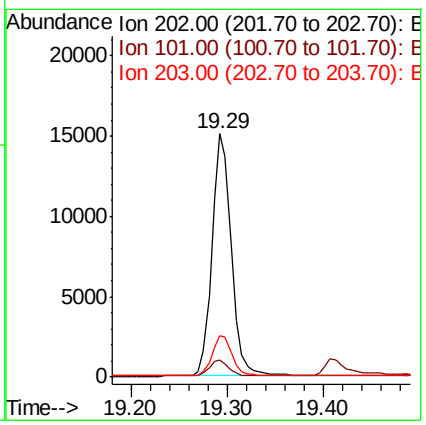


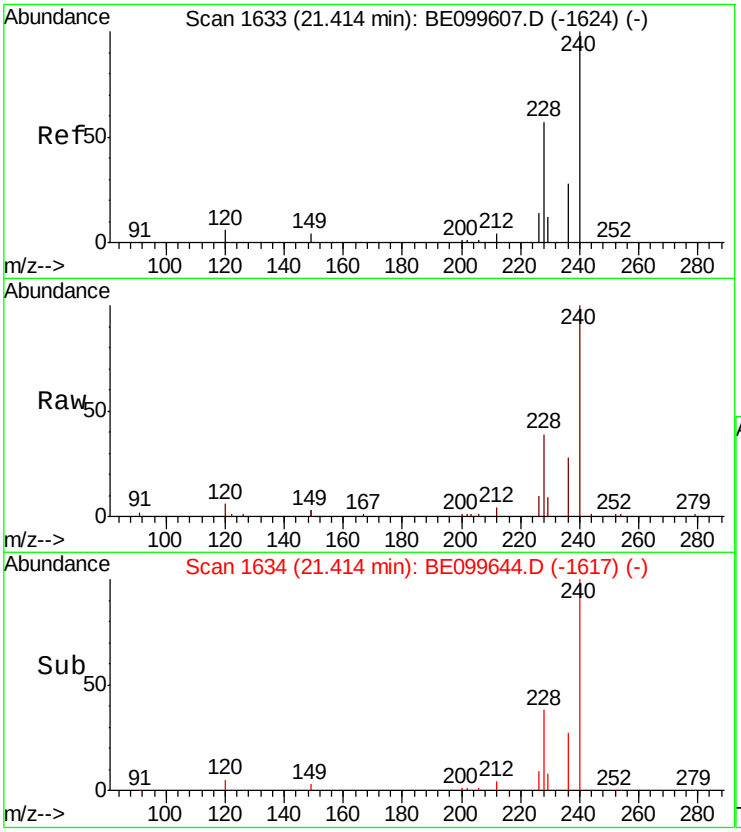


#26
Fluoranthene
Concen: 0.397 ng
RT: 19.29 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:202 Resp: 21350

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.0	7.6
203	16.9	13.7	20.5



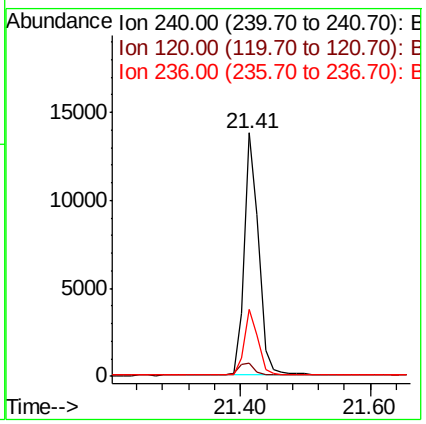


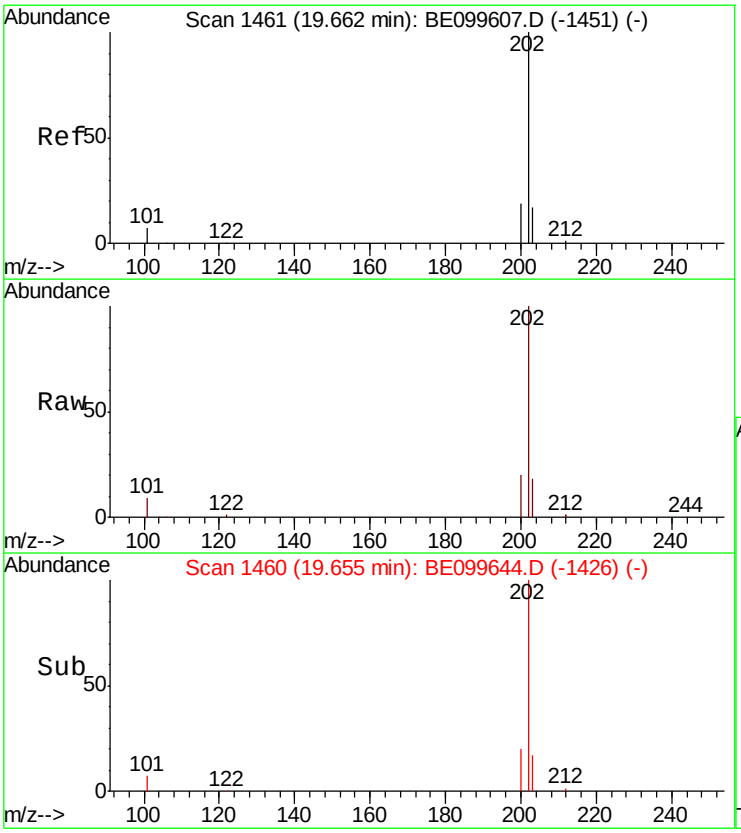
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:240 Resp: 20962

Ion	Ratio	Lower	Upper
240	100		
120	5.7	5.7	8.5
236	27.5	22.8	34.2

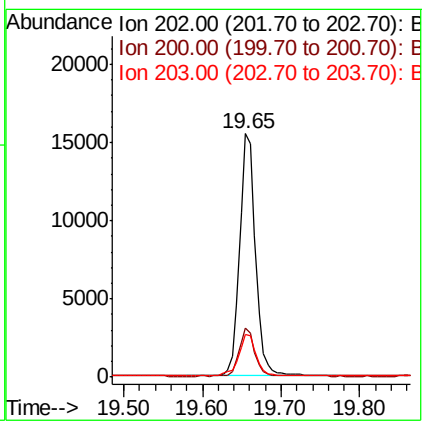


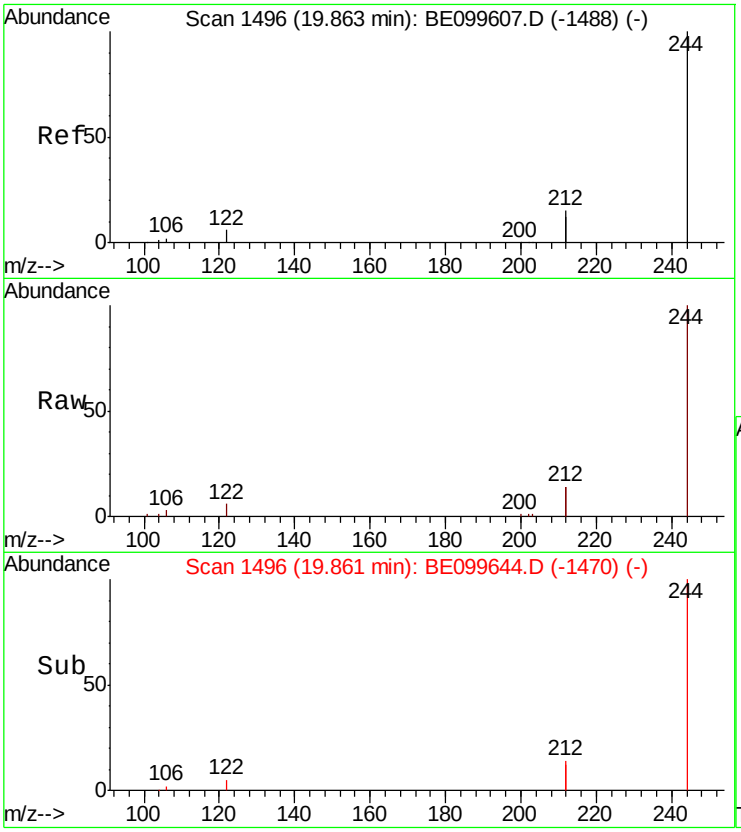


#28
Pyrene
Concen: 0.411 ng
RT: 19.65 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:202 Resp: 21957

Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.8	23.6
203	18.7	14.1	21.1



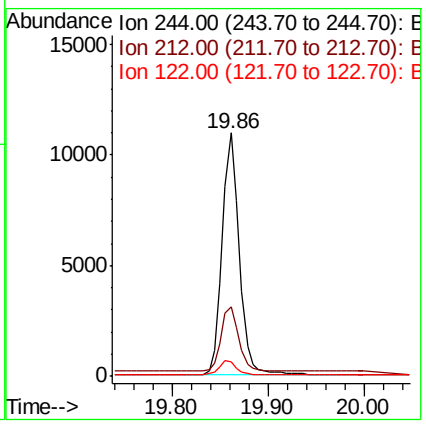


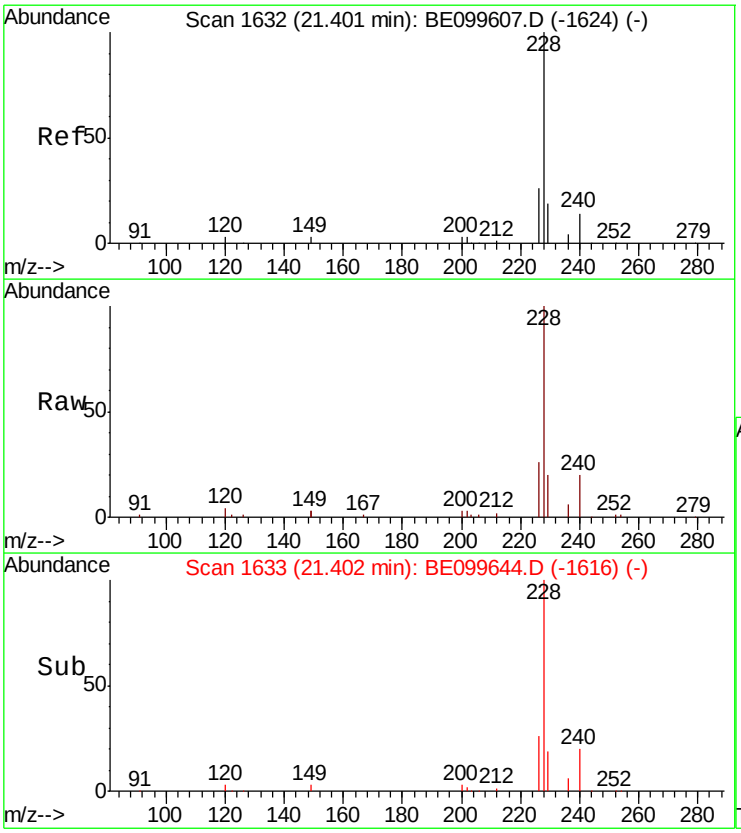
#29
Terphenyl-d14
Concen: 0.363 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:244 Resp: 13713

Ion	Ratio	Lower	Upper
244	100		
212	28.5	23.8	35.6
122	5.9	5.0	7.6

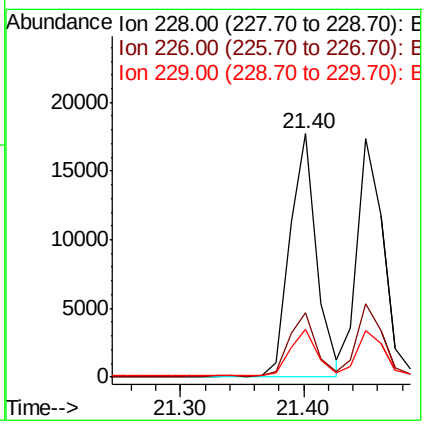


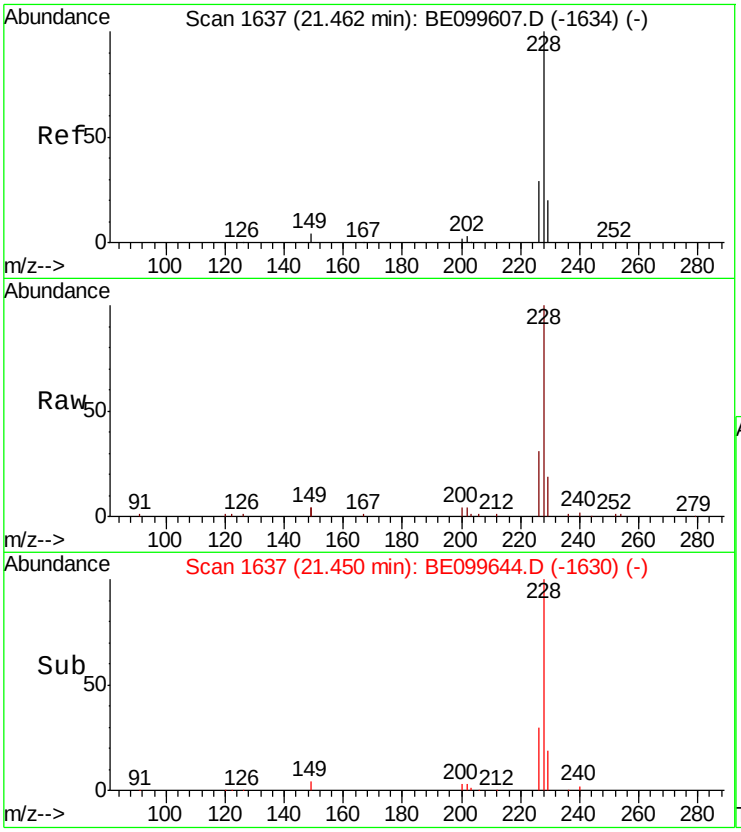


#30
Benzo(a)anthracene
Concen: 0.417 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:228 Resp: 26389

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.4	32.2
229	19.8	15.8	23.8



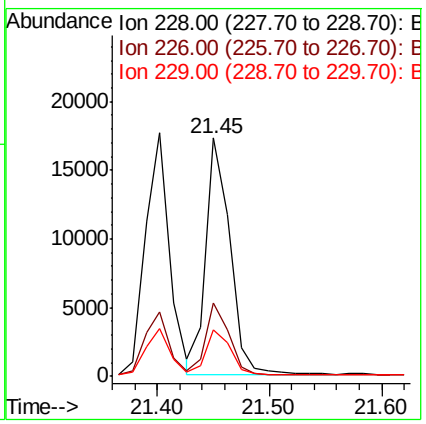


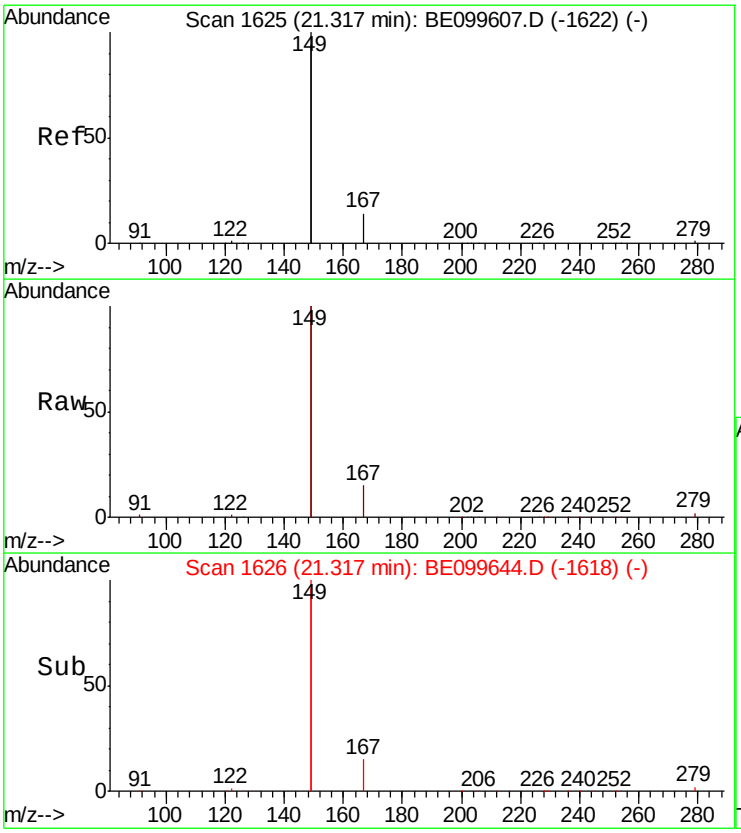
#31
Chrysene
Concen: 0.390 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:228 Resp: 25439

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.0	34.4
229	19.5	16.4	24.6

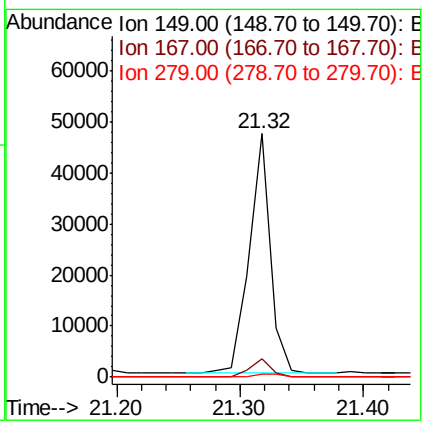


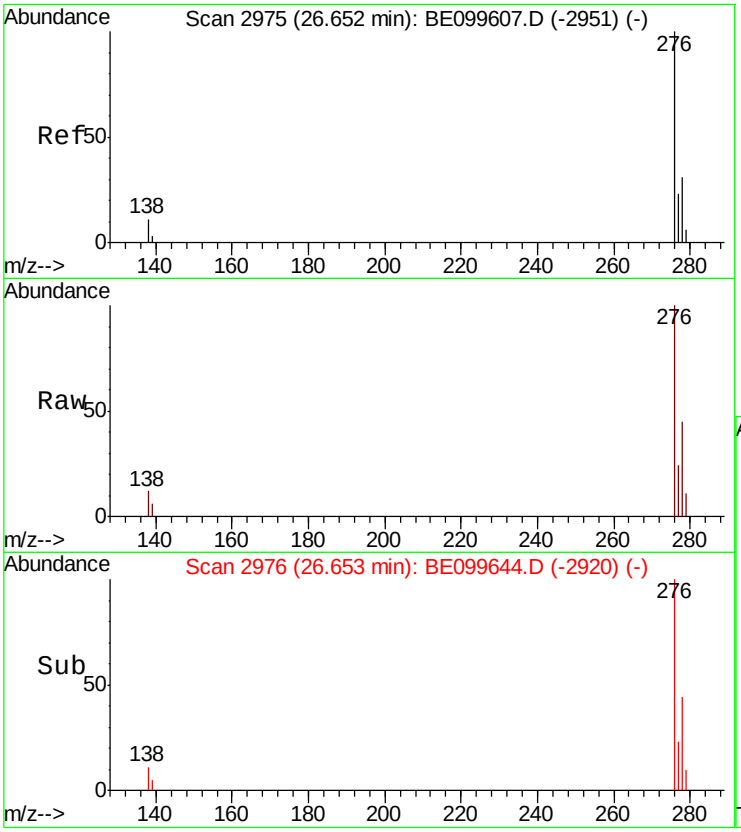


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.572 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:149 Resp: 55900

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



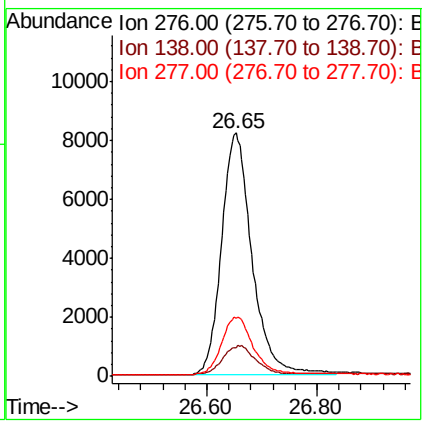


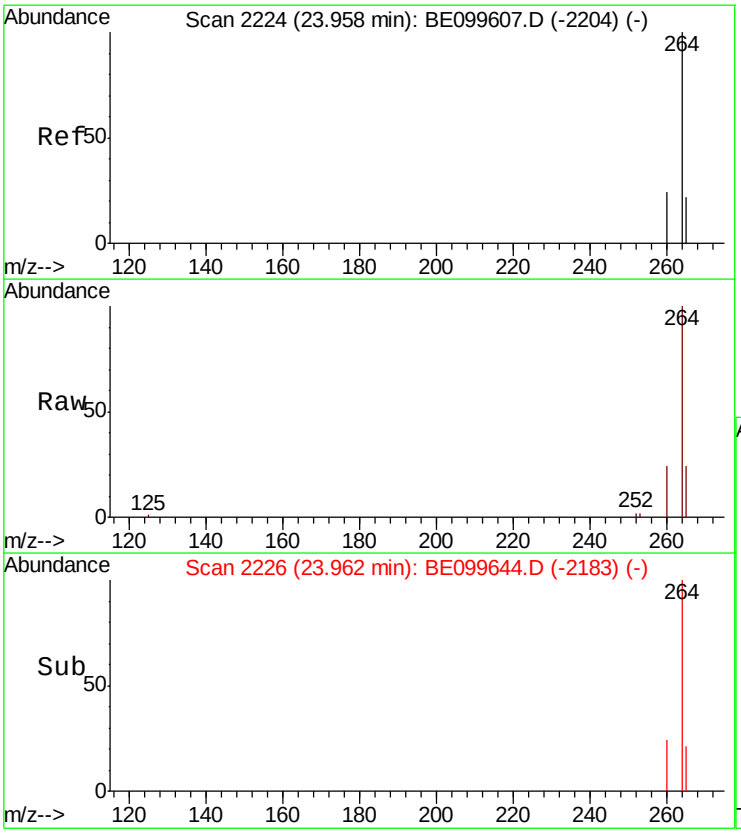
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 26.65 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:276 Resp: 31413

Ion	Ratio	Lower	Upper
276	100		
138	12.8	10.0	15.0
277	24.2	19.1	28.7

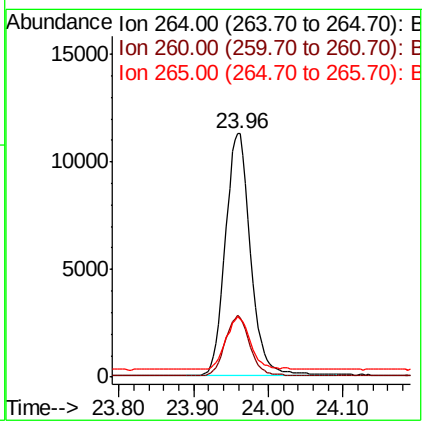


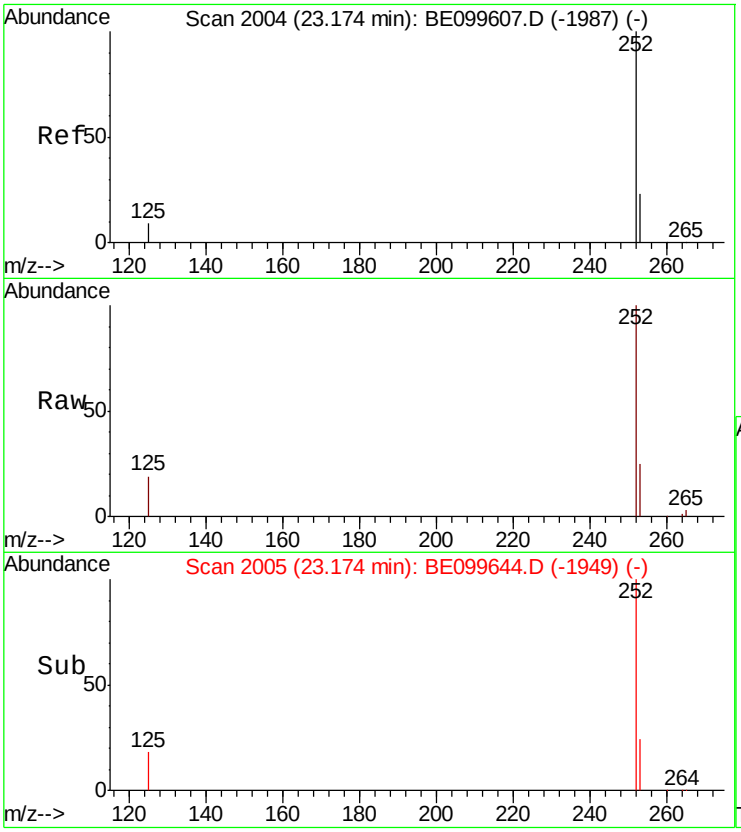


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:264 Resp: 26420

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	24.1	21.2	31.8



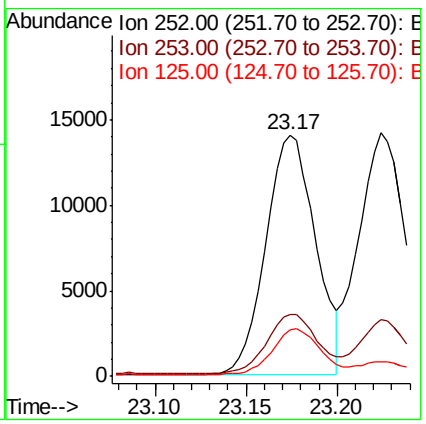


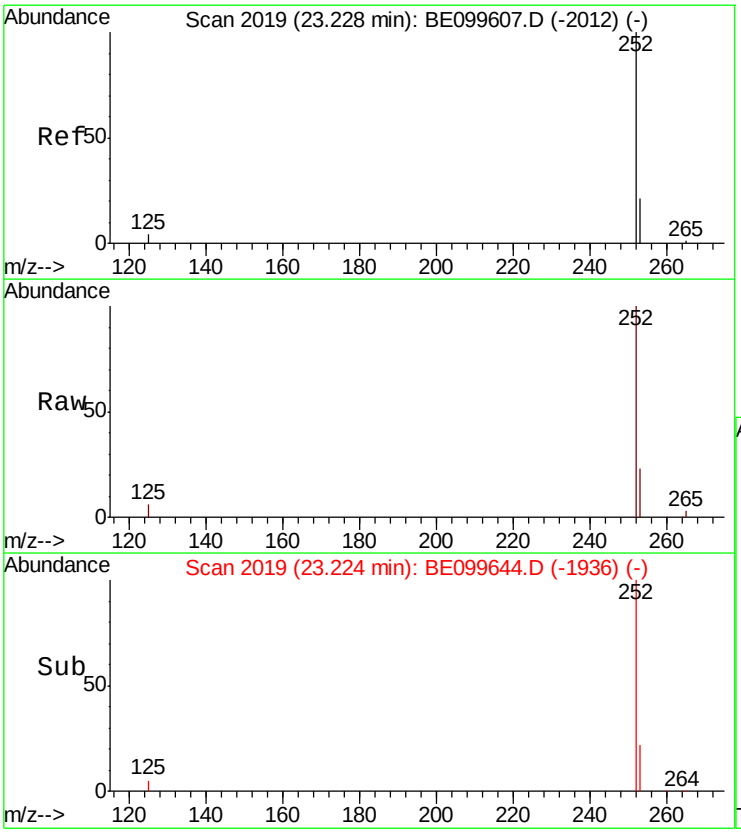
#35
Benzo(b)fluoranthene
Concen: 0.359 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:252 Resp: 26543

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.1	28.7
125	19.2	7.8	11.8#

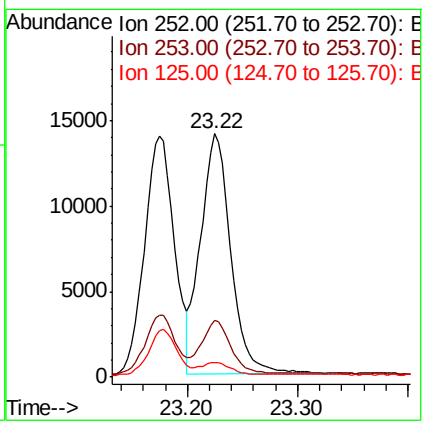


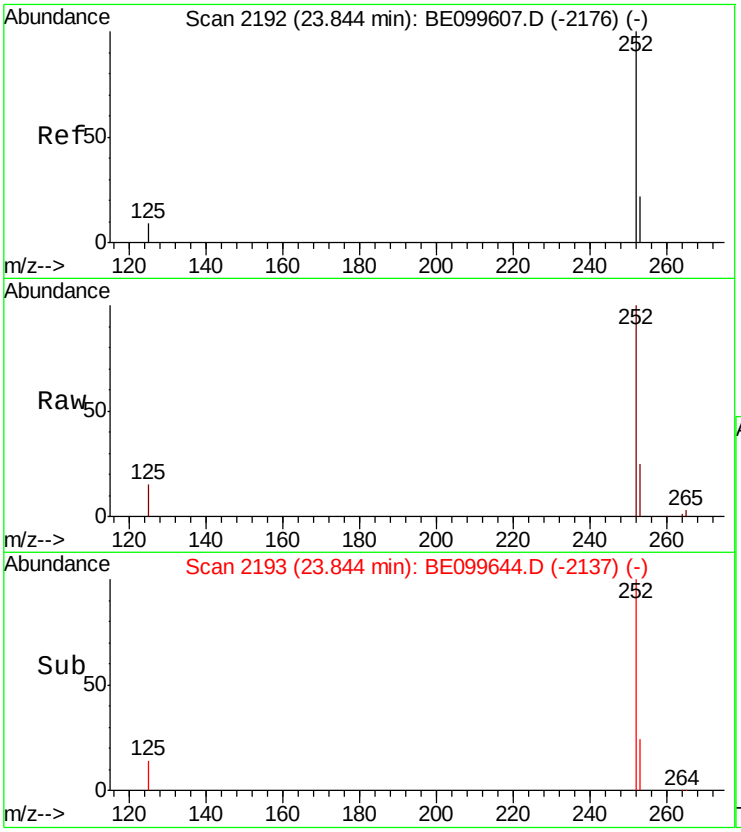


#36
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:252 Resp: 27006

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	28.0
125	6.2	5.2	7.8



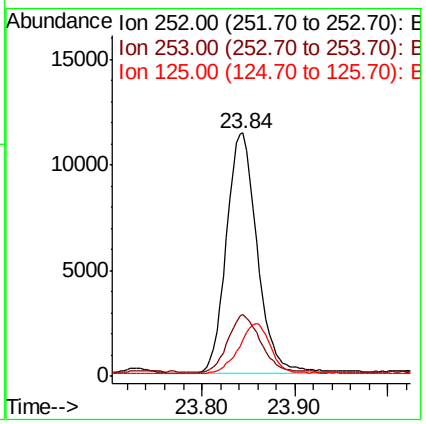


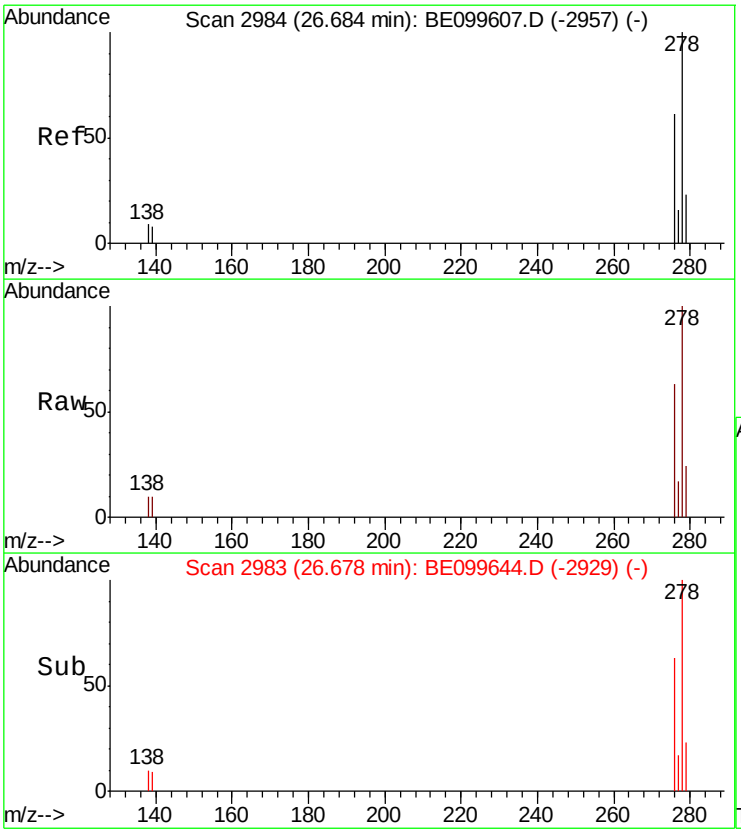
#37
Benzo(a)pyrene
Concen: 0.370 ng
RT: 23.84 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:252 Resp: 26481

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.0	28.6
125	14.9	8.8	13.2#

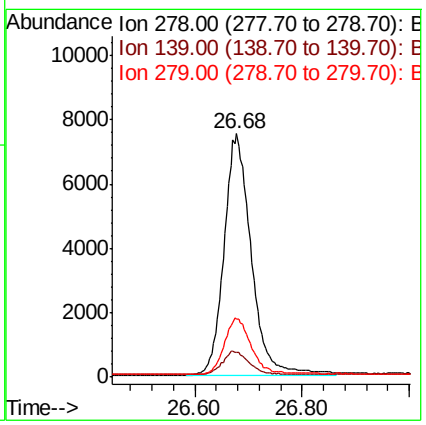


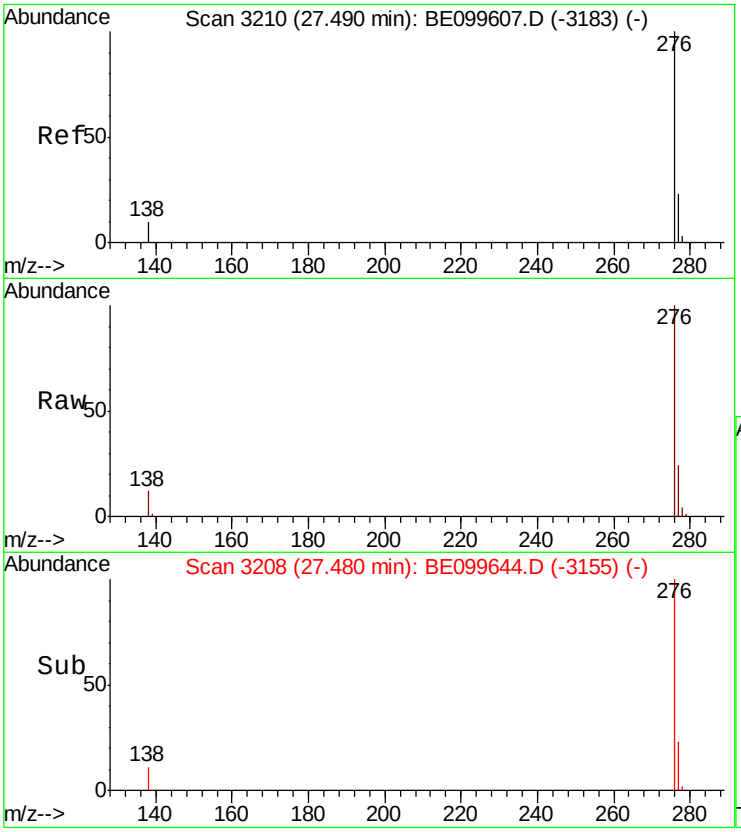


#38
Dibenzo(a,h)anthracene
Concen: 0.354 ng
RT: 26.68 min Scan# 2983
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:278 Resp: 26291

Ion	Ratio	Lower	Upper
278	100		
139	10.2	7.9	11.9
279	23.6	19.5	29.3





#39
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 27.48 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :
FEBH-01MSD

Tgt Ion:276 Resp: 26495

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.3	28.9
138	11.6	9.1	13.7