Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
Data File : BE099688.D
Acq On : 21 May 2019 13:44
Operator : JU/SJ
Sample : K2944-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FESB-1(14.5-15)MS

Quant Time: May 21 14:24:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1575	0.40	ng		-0.01
7) Naphthalene-d8	10.61	136	5255	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	3599	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	10559	0.40	ng		0.00
27) Chrysene-d12	21.42	240	16320	0.40	ng		0.00
34) Perylene-d12	23.95	264	20211	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1643	0.41	ng		0.00
5) Phenol-d6	6.96	99	2202	0.42	ng		-0.01
8) Nitrobenzene-d5	8.98	82	1832	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	12.21	152	3712	0.41	ng		-0.01
14) 2,4,6-Tribromophenol	15.97	330	917	0.46	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	4968	0.36	ng		0.00
25) Fluoranthene-d10	19.26	212	53986	0.37	ng		0.00
29) Terphenyl-d14	19.86	244	11449	0.39	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	629	0.270	ng	#	82
3) n-Nitrosodimethylamine	3.62	42	385	0.299	ng	#	46
6) bis(2-Chloroethyl)ether	7.23	93	1750	0.373	ng		99
9) Naphthalene	10.67	128	22027	0.392	ng		100
10) Hexachlorobutadiene	10.94	225	1525	0.369	ng		96
12) 2-Methylnaphthalene	12.30	142	3633	0.397	ng		98
16) Acenaphthylene	14.20	152	6494	0.387	ng		99
17) Acenaphthene	14.54	154	3685	0.391	ng		99
18) Fluorene	15.53	166	5350	0.386	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	2314	0.380	ng		93
21) Hexachlorobenzene	16.53	284	2242	0.360	ng		99
22) Pentachlorophenol	16.88	266	2124	1.179	ng		89
23) Phenanthrene	17.27	178	10273	0.398	ng		99
24) Anthracene	17.36	178	9581	0.409	ng		99
26) Fluoranthene	19.29	202	16222	0.398	ng		99
28) Pyrene	19.66	202	17150	0.418	ng		98
30) Benzo(a)anthracene	21.39	228	20458	0.441	ng		98
31) Chrysene	21.45	228	19418	0.392	ng		98
32) Bis(2-ethylhexyl)phthalate	21.32	149	40457	0.757	ng		100
33) Indeno(1,2,3-cd)pyrene	26.64	276	22384	0.374	ng		99
35) Benzo(b)fluoranthene	23.17	252	19546	0.353	ng	#	91
36) Benzo(k)fluoranthene	23.22	252	20224	0.350	ng	#	96
37) Benzo(a)pyrene	23.84	252	19194	0.360	ng	#	95
38) Dibenzo(a,h)anthracene	26.67	278	18911	0.338	ng	#	95
39) Benzo(g,h,i)perylene	27.48	276	18930	0.335	ng		99

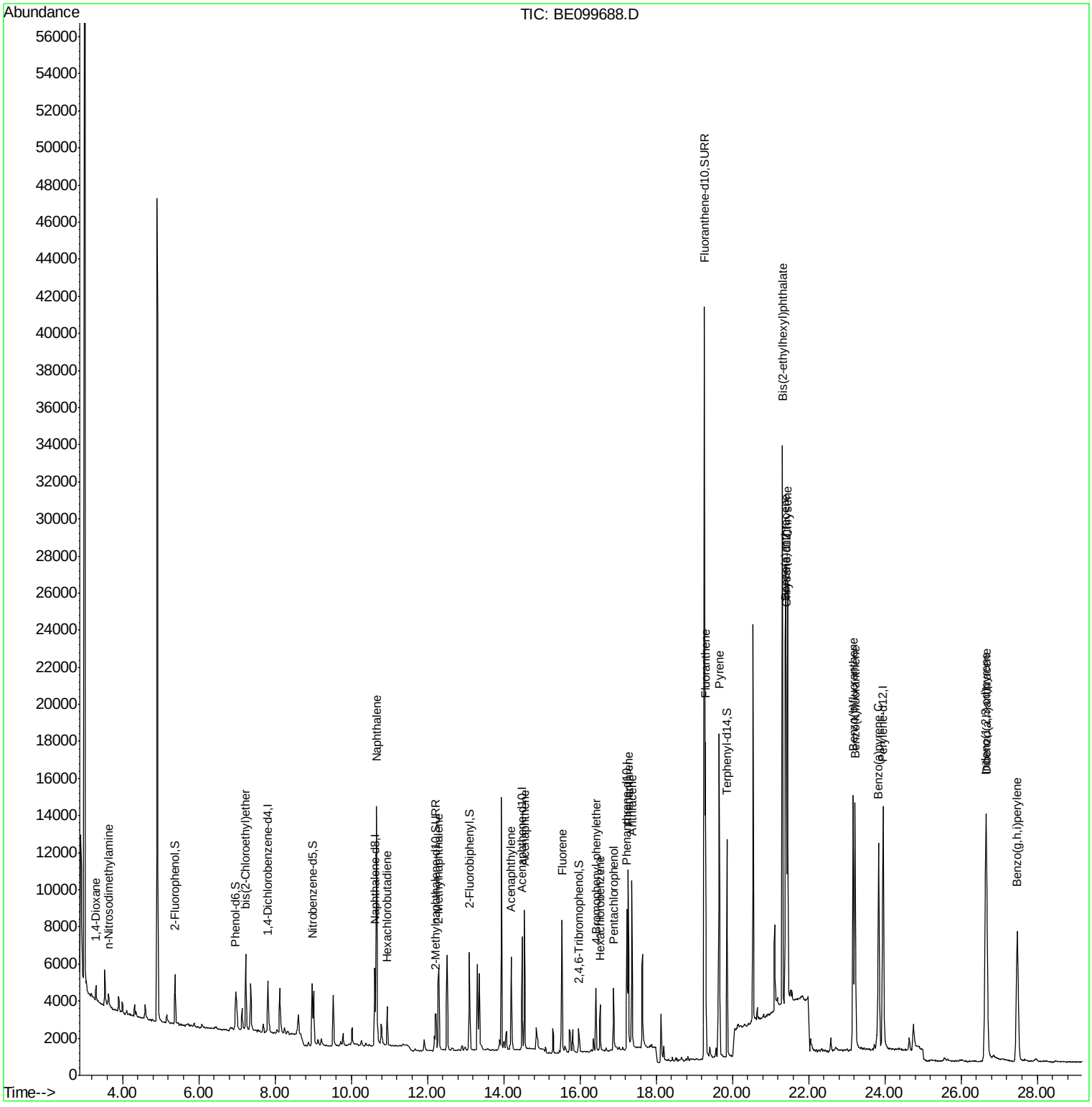
(#) = qualifier out of range (m) = manual integration (+) = signals summed

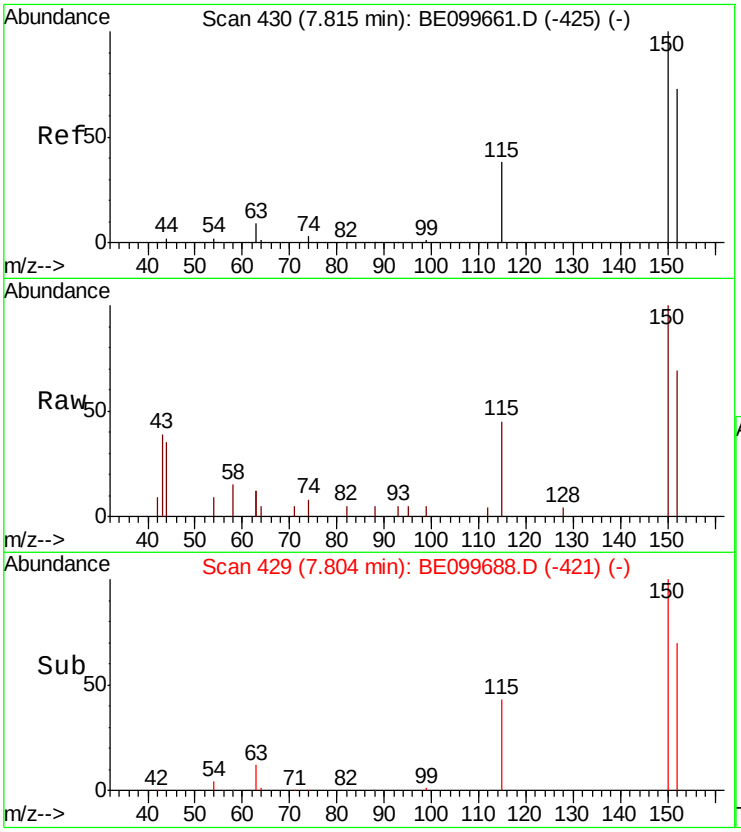
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
Data File : BE099688.D
Acq On : 21 May 2019 13:44
Operator : JU/SJ
Sample : K2944-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Quant Time: May 21 14:24:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration



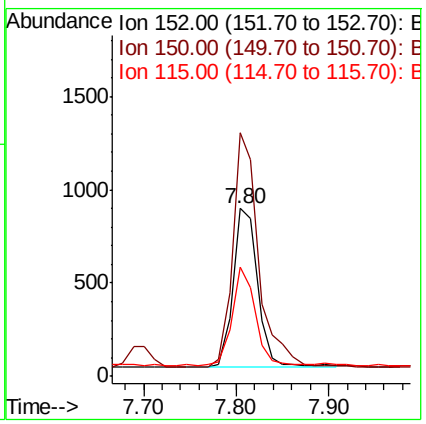


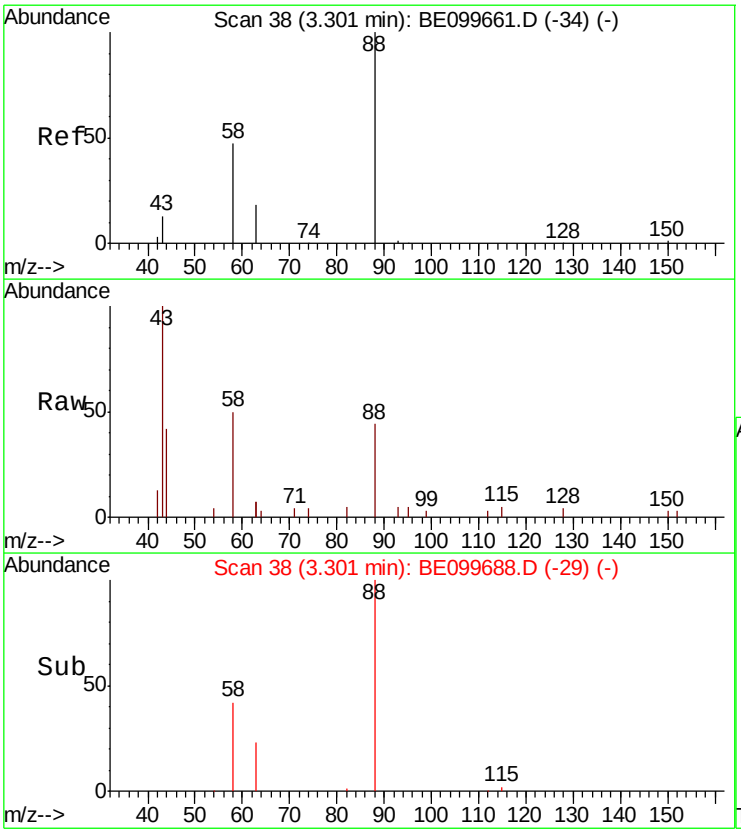
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:152 Resp: 1575

Ion	Ratio	Lower	Upper
152	100		
150	145.2	109.2	163.8
115	65.3	43.7	65.5

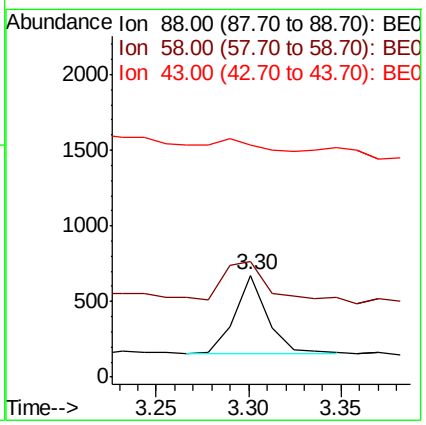


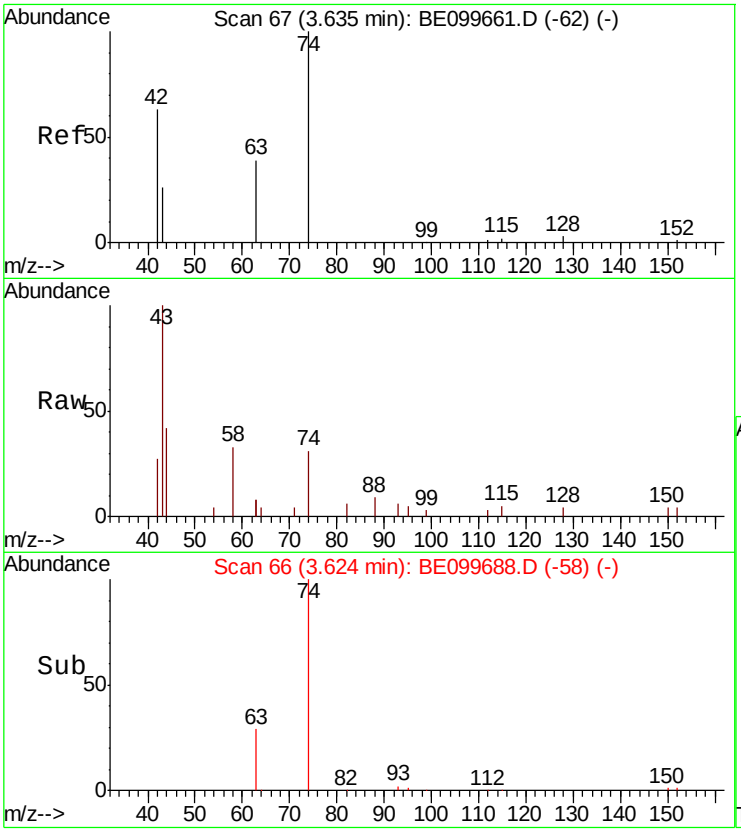


#2
1,4-Dioxane
Concen: 0.270 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion: 88 Resp: 629

Ion	Ratio	Lower	Upper
88	100		
58	59.1	41.8	62.8
43	0.0	15.0	22.4#



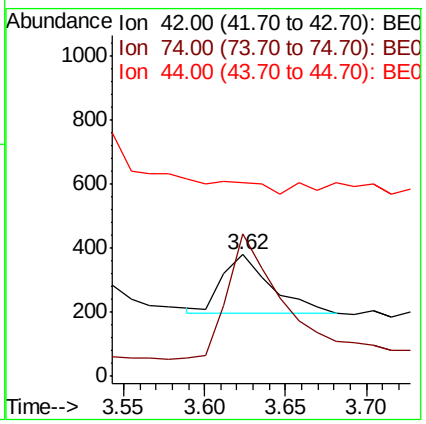


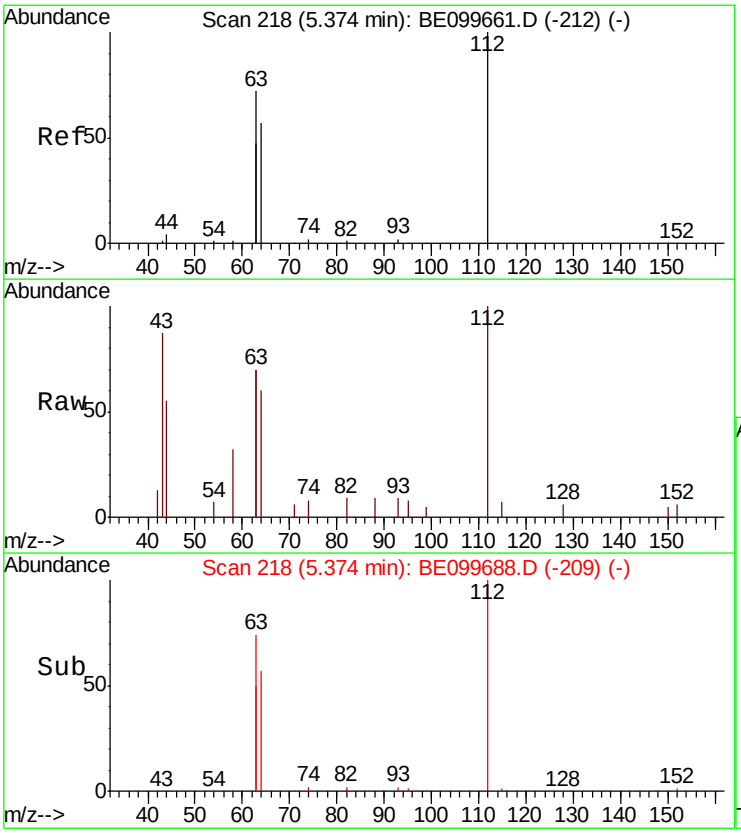
#3
n-Nitrosodimethylamine
Concen: 0.299 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion: 42 Resp: 385

Ion	Ratio	Lower	Upper
42	100		
74	233.2	129.2	193.8#
44	0.0	0.0	0.0

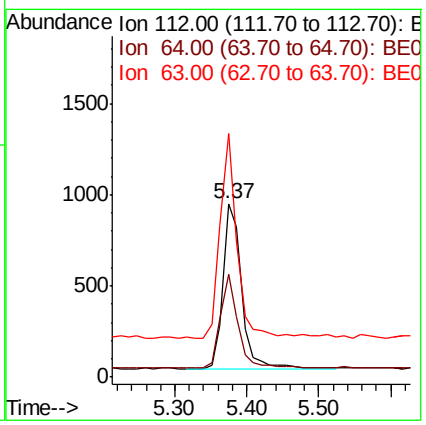


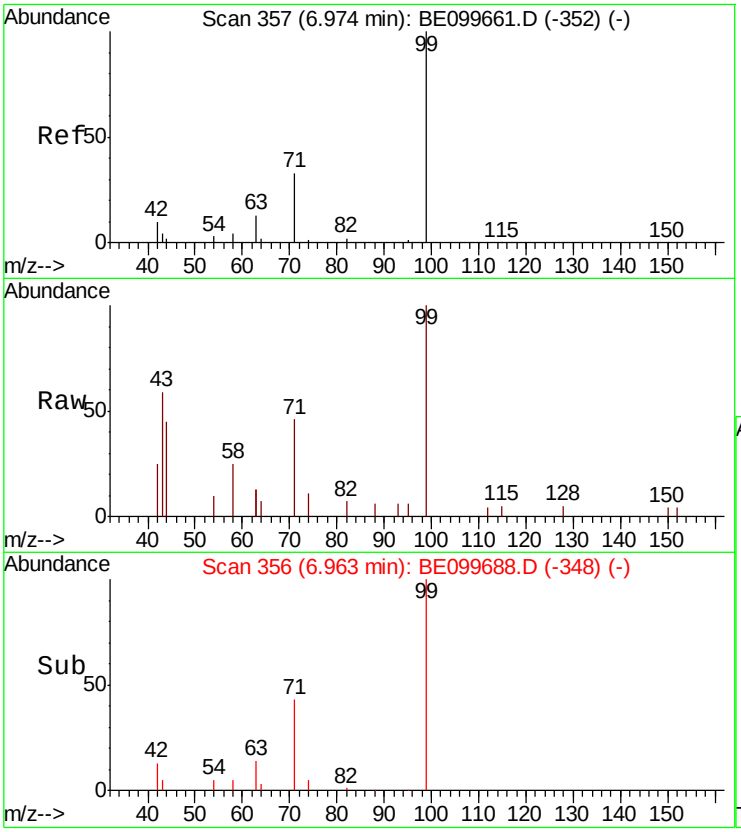


#4
2-Fluorophenol
Concen: 0.413 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:112 Resp: 1643

Ion	Ratio	Lower	Upper
112	100		
64	53.4	43.4	65.2
63	110.8	96.9	145.3



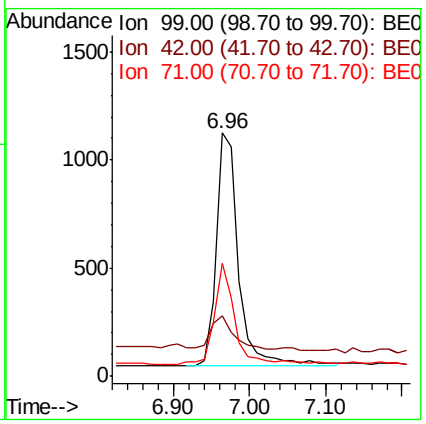


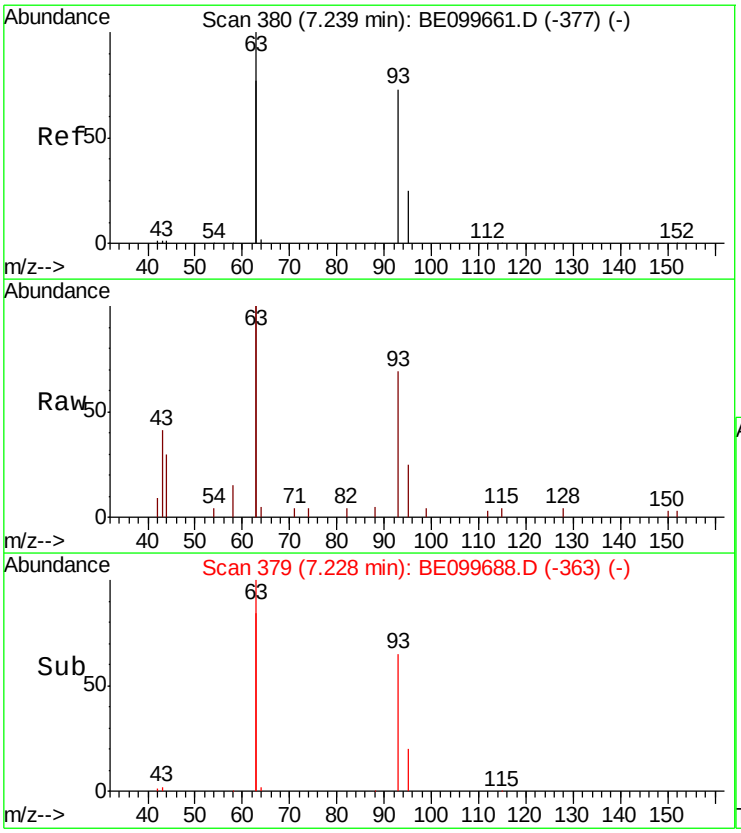
#5
Phenol-d6
Concen: 0.418 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion: 99 Resp: 2202

Ion	Ratio	Lower	Upper
99	100		
42	13.1	12.2	18.2
71	39.6	28.9	43.3

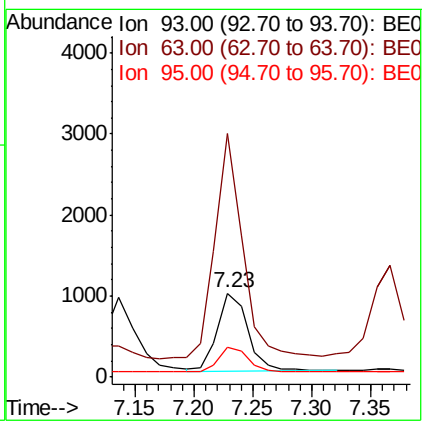


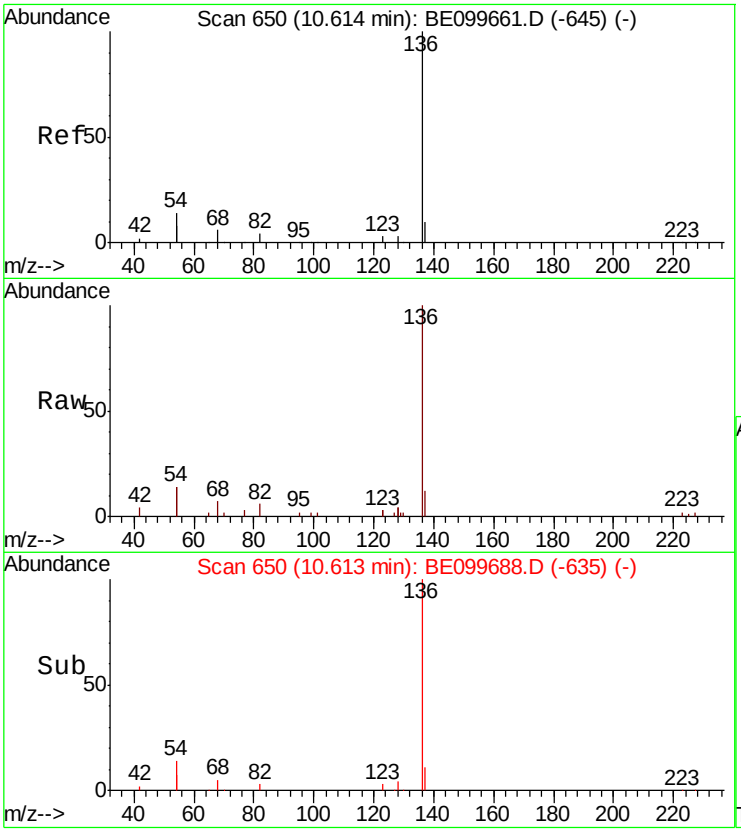


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion: 93 Resp: 1750

Ion	Ratio	Lower	Upper
93	100		
63	262.2	207.8	311.6
95	32.1	25.9	38.9



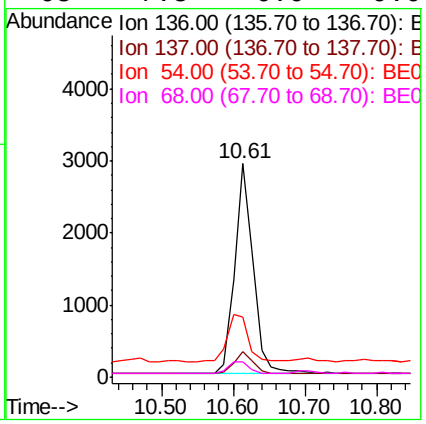


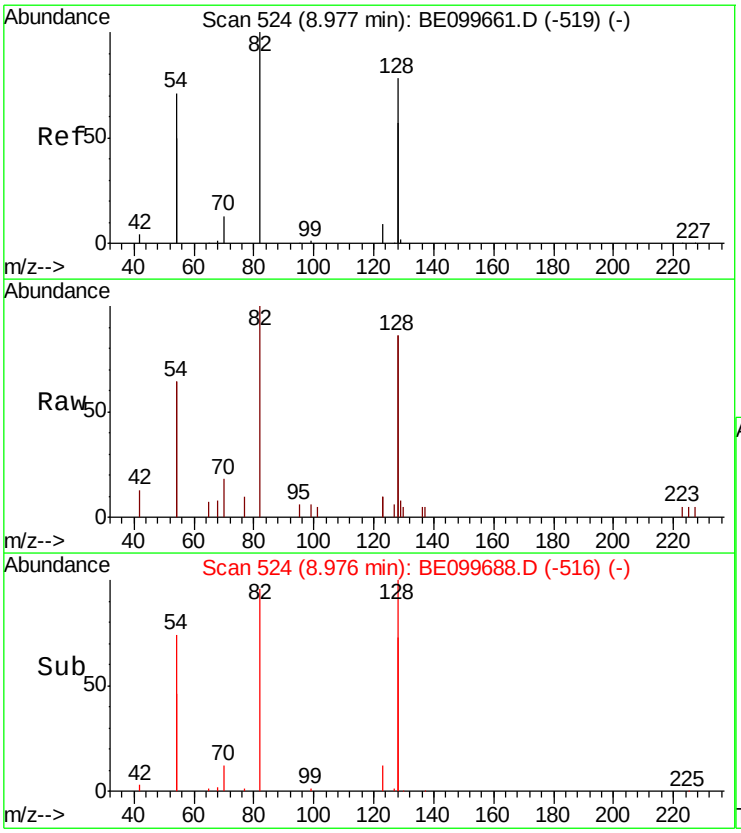
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:136 Resp: 5255

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.0	13.6
54	28.3	22.3	33.5
68	7.3	6.0	9.0

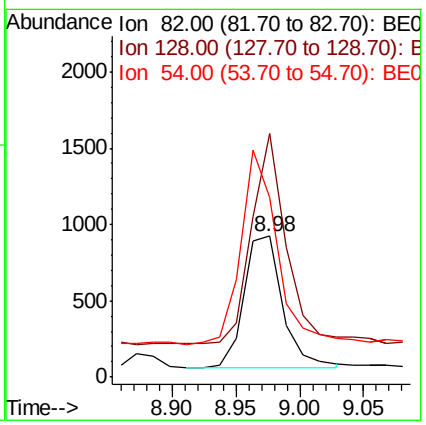


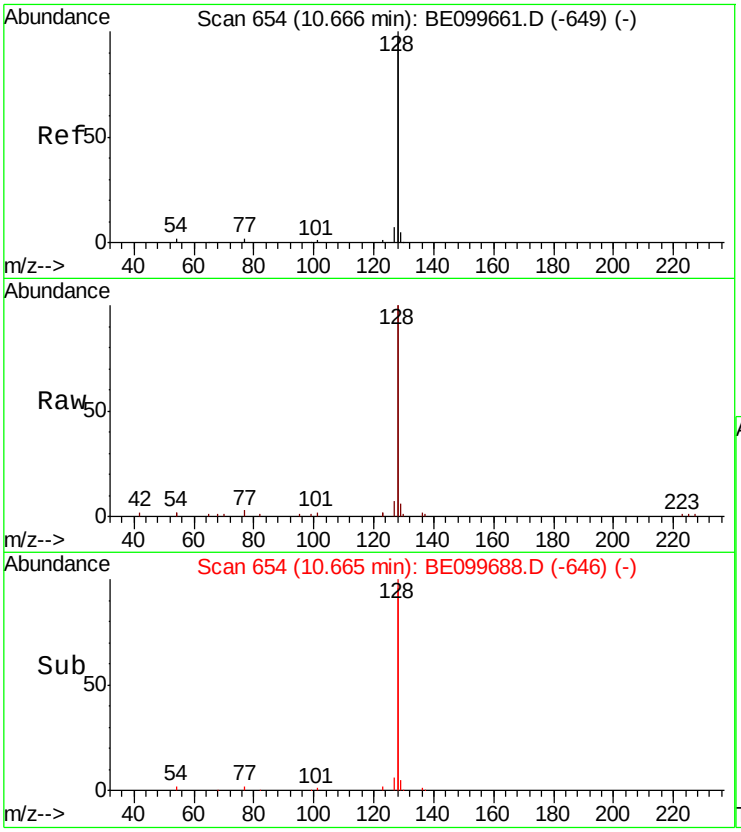


#8
Nitrobenzene-d5
Concen: 0.403 ng
RT: 8.98 min Scan# 524
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion: 82 Resp: 1832

Ion	Ratio	Lower	Upper
82	100		
128	172.5	117.7	176.5
54	127.4	106.6	160.0



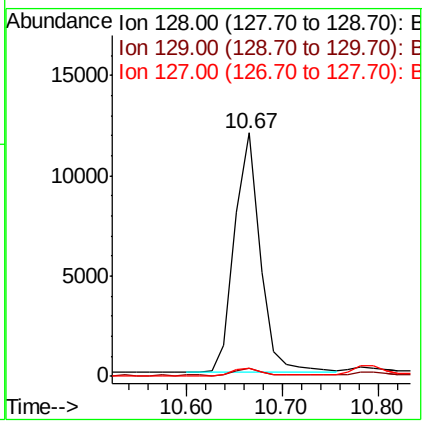


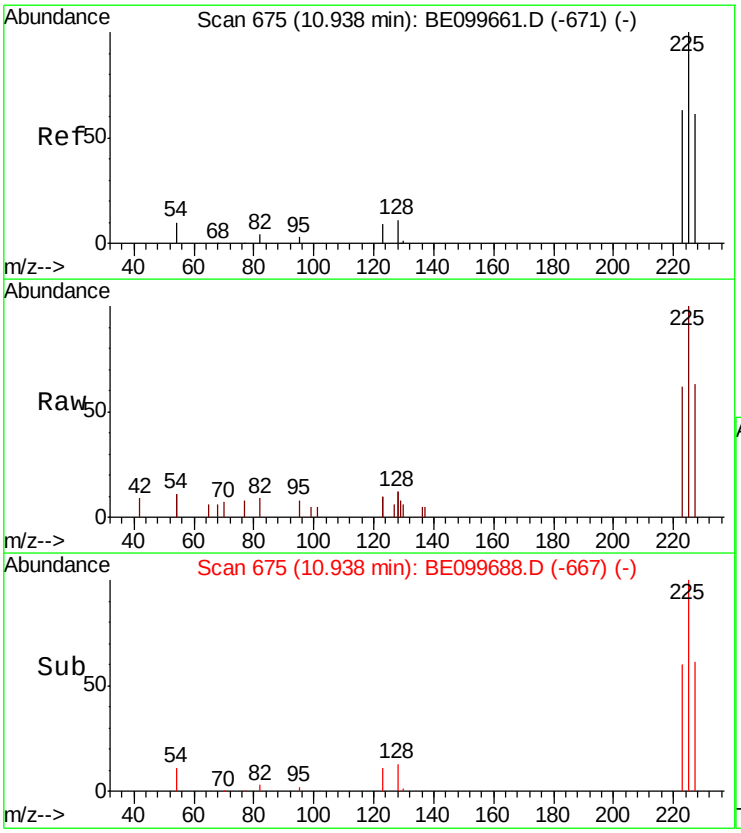
#9
Naphthalene
Concen: 0.392 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:128 Resp: 22027

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.4	3.6
127	3.6	2.9	4.3

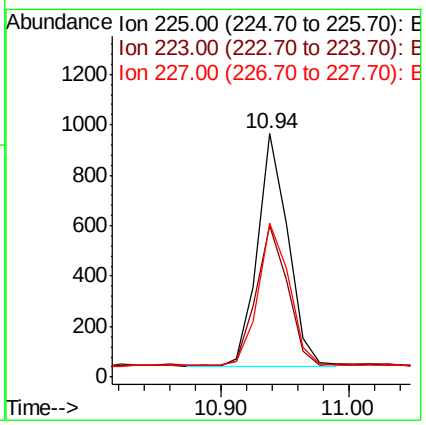


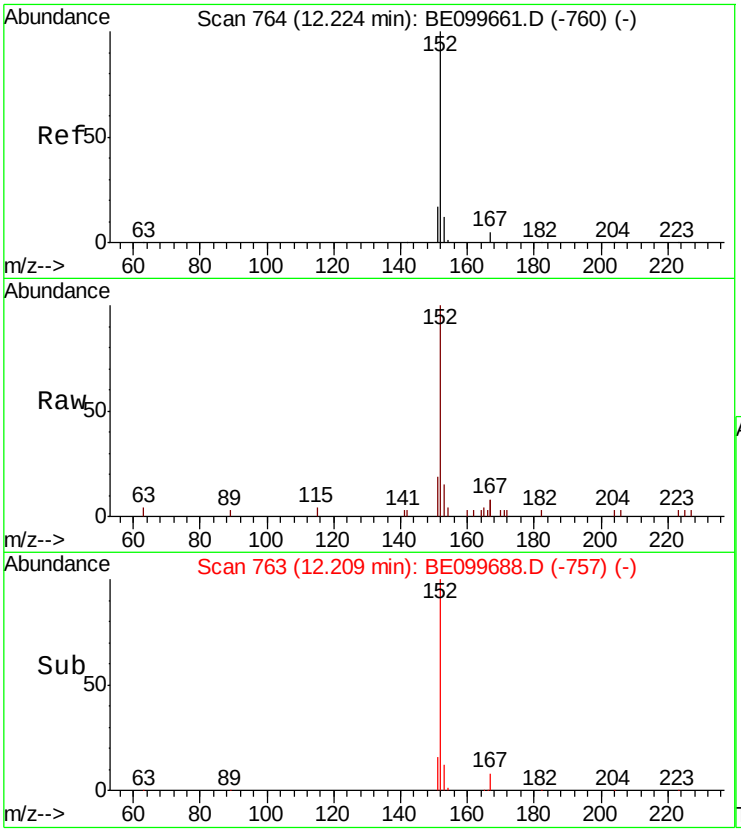


#10
Hexachlorobutadiene
Concen: 0.369 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:225 Resp: 1525

Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.8	77.6
227	62.3	52.6	79.0



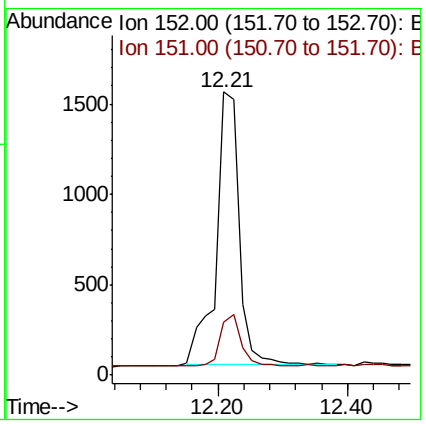


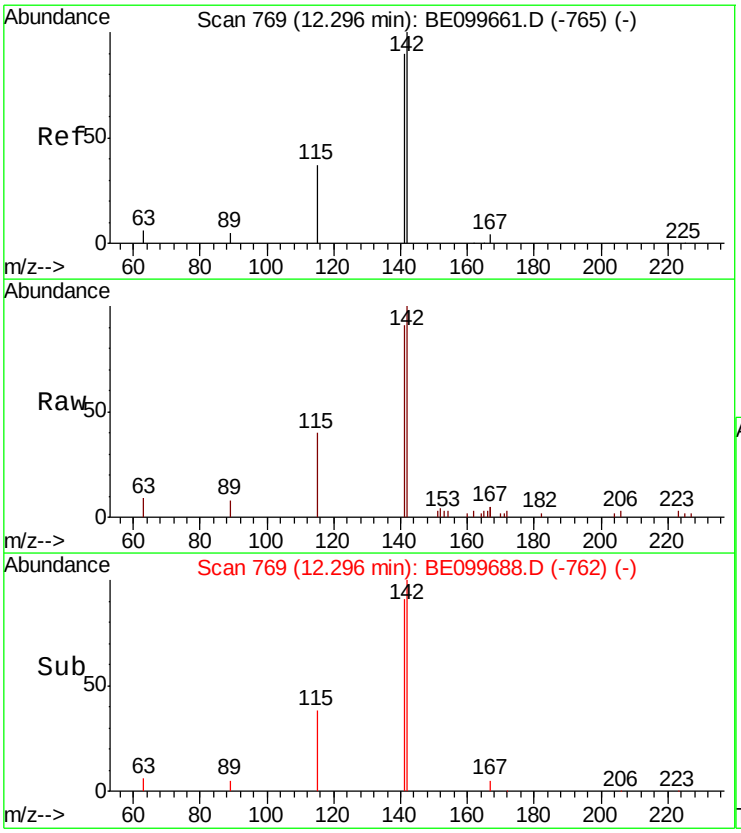
#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:152 Resp: 3712

Ion	Ratio	Lower	Upper
152	100		
151	17.2	15.0	22.4

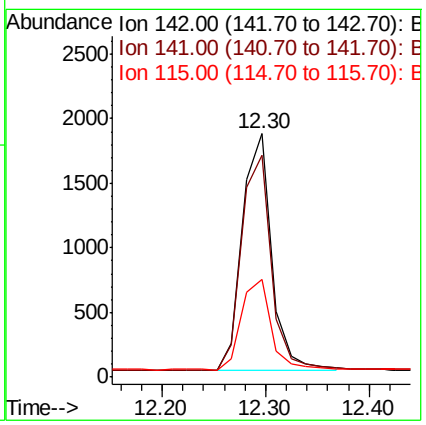


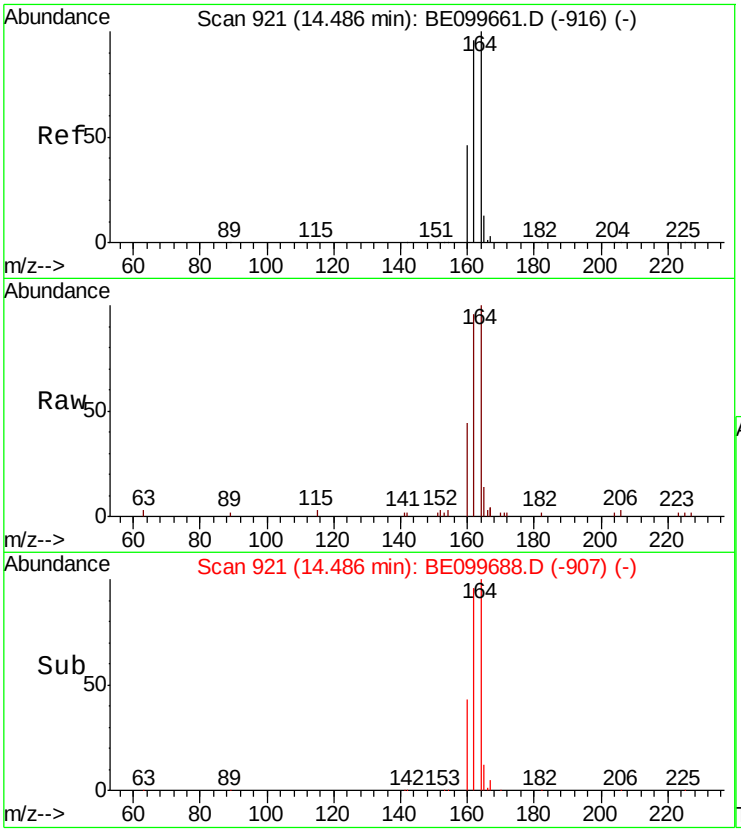


#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:142 Resp: 3633

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.0	108.0
115	39.9	31.0	46.4



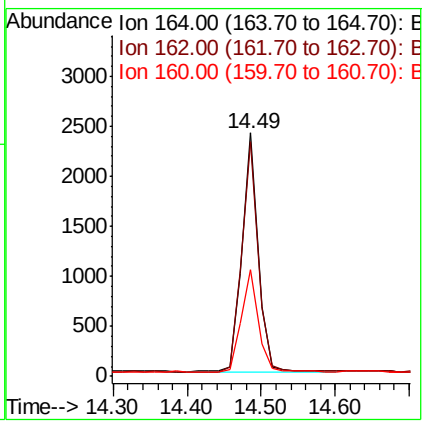


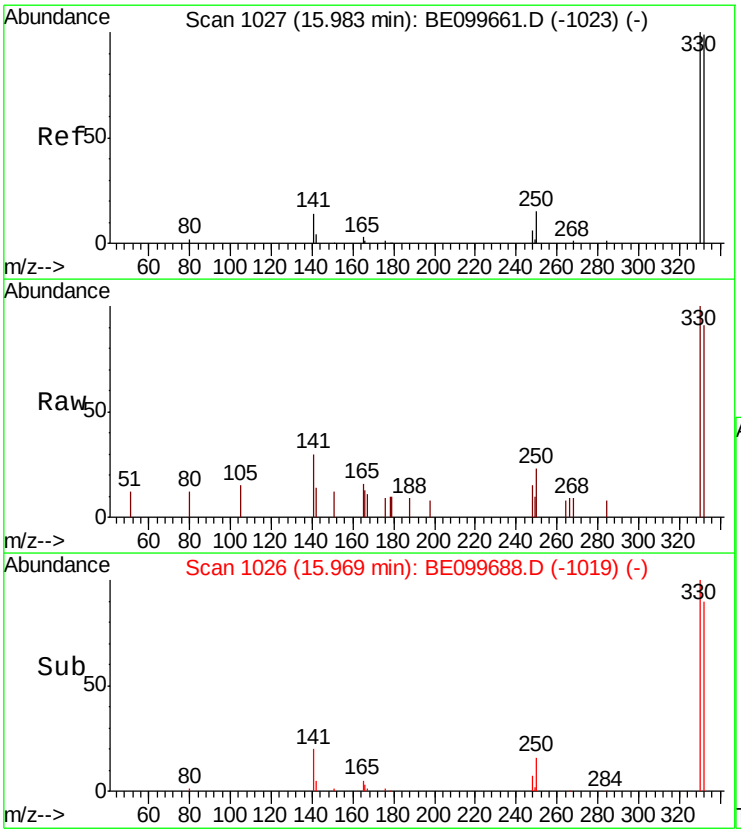
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:164 Resp: 3599

Ion	Ratio	Lower	Upper
164	100		
162	96.3	76.5	114.7
160	43.9	37.4	56.2

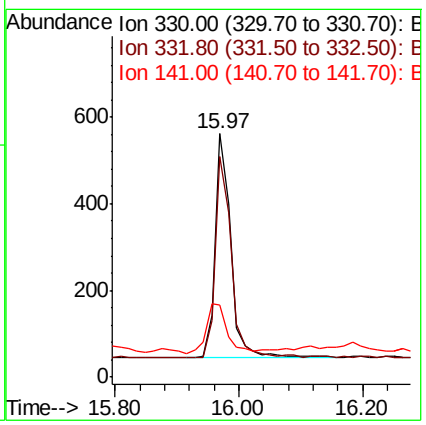


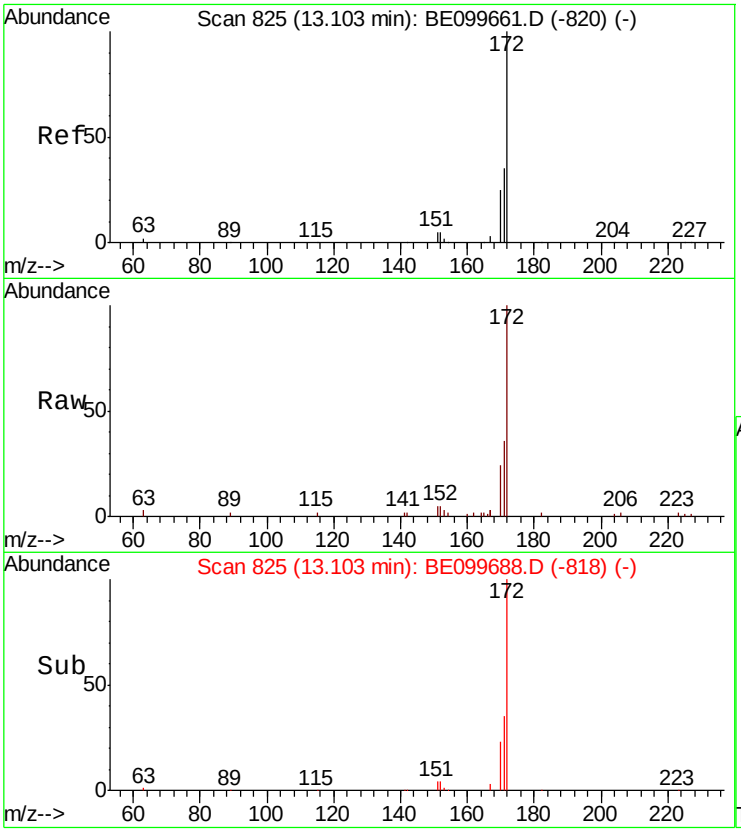


#14
2,4,6-Tribromophenol
Concen: 0.463 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:330 Resp: 917

Ion	Ratio	Lower	Upper
330	100		
332	91.1	77.3	115.9
141	29.6	18.9	28.3#



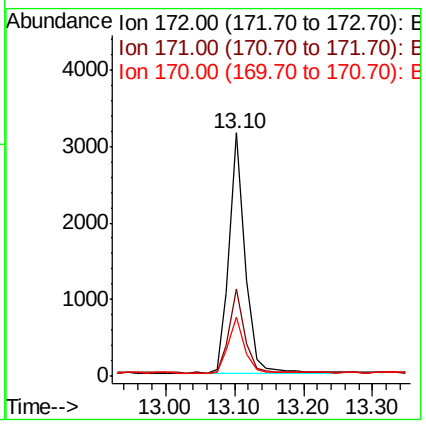


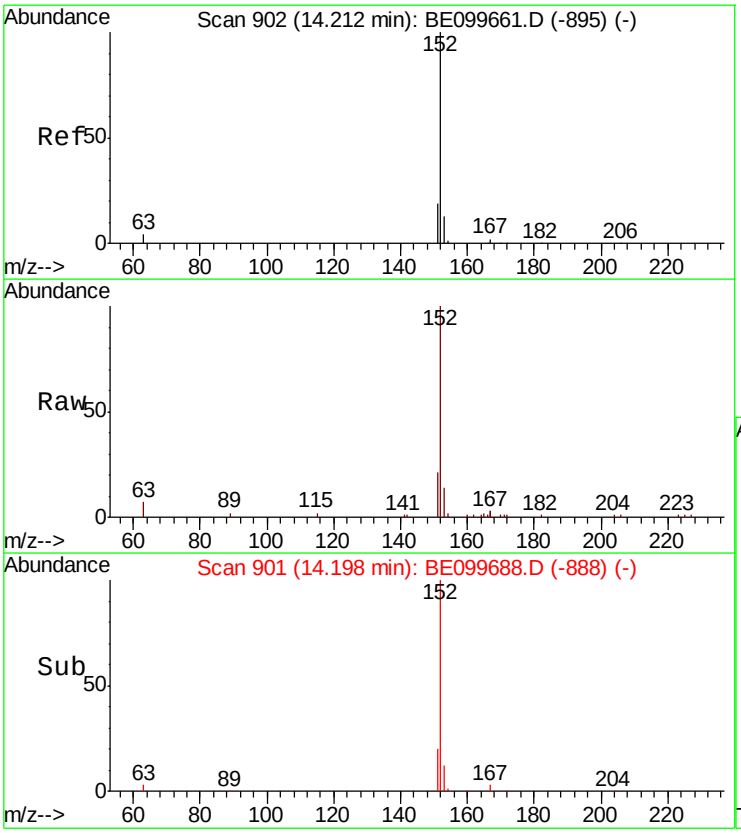
#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:172 Resp: 4968

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	24.3	20.9	31.3

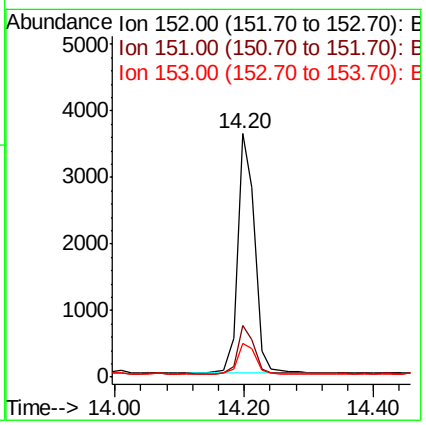


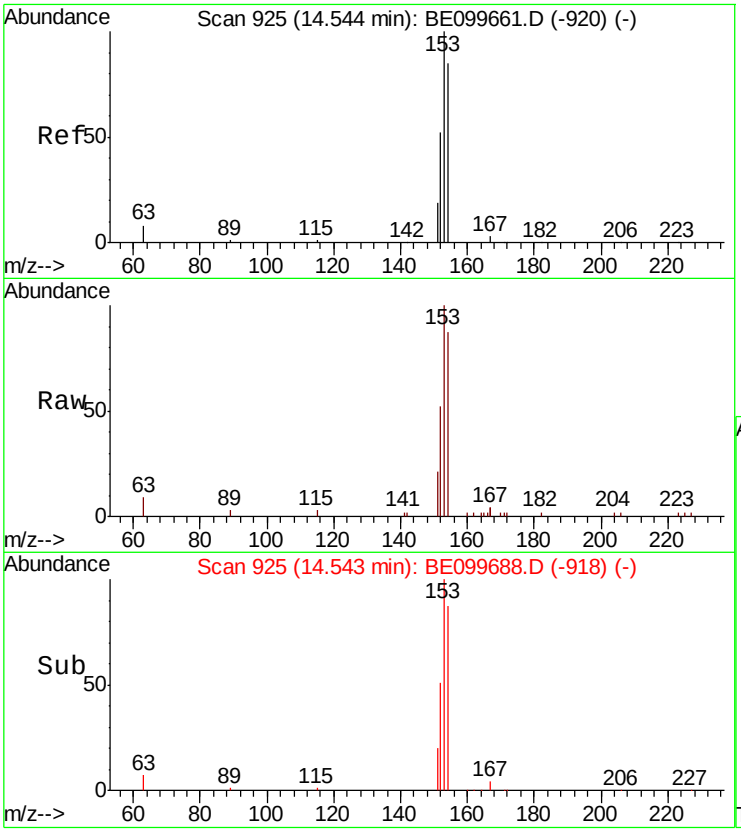


#16
Acenaphthylene
Concen: 0.387 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:152 Resp: 6494

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	12.9	10.6	16.0



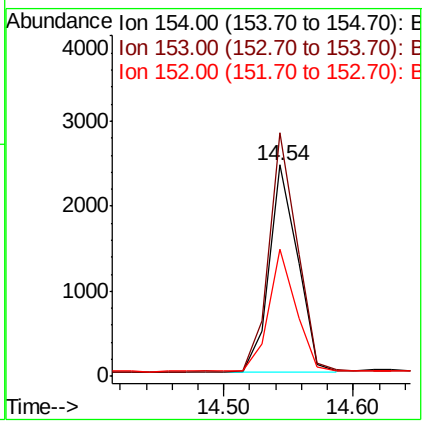


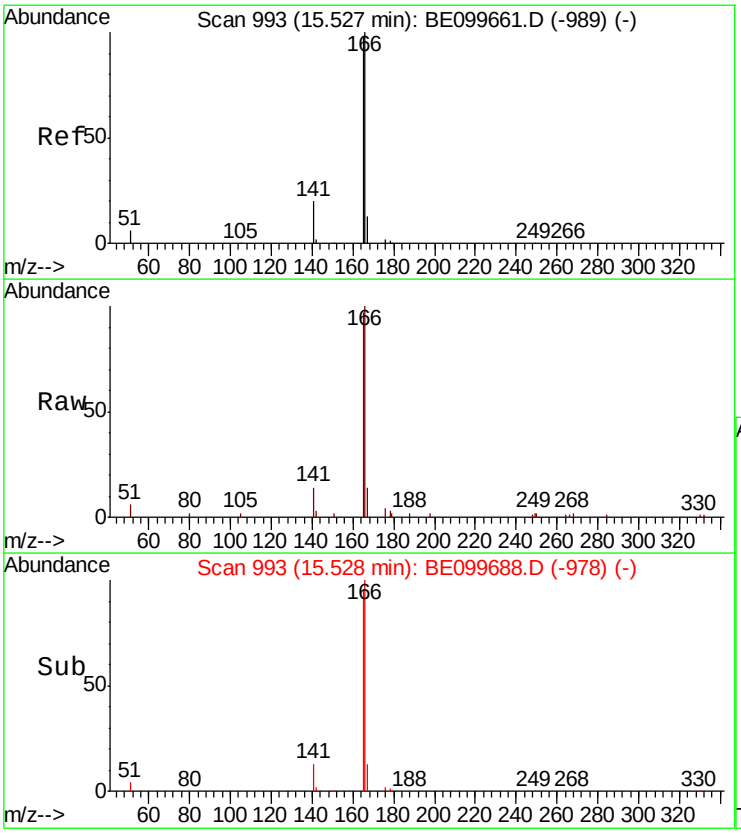
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:154 Resp: 3685

Ion	Ratio	Lower	Upper
154	100		
153	116.0	91.8	137.6
152	57.3	46.0	69.0

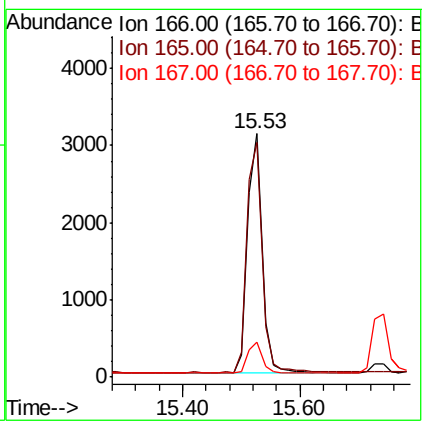


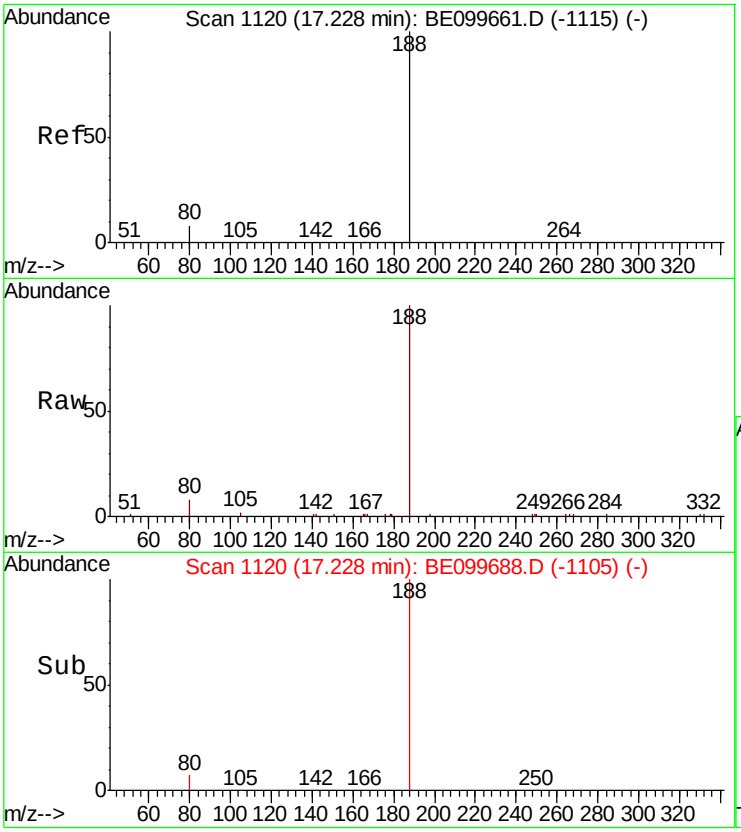


#18
Fluorene
Concen: 0.386 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:166 Resp: 5350

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.3	120.5
167	12.8	10.6	16.0



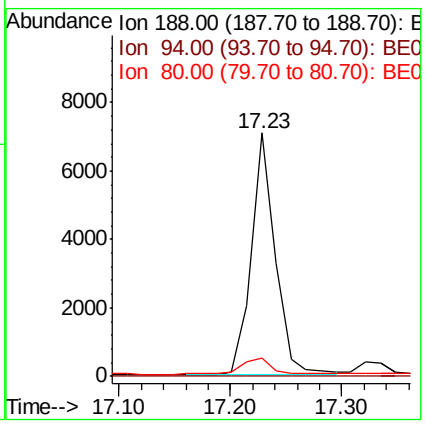


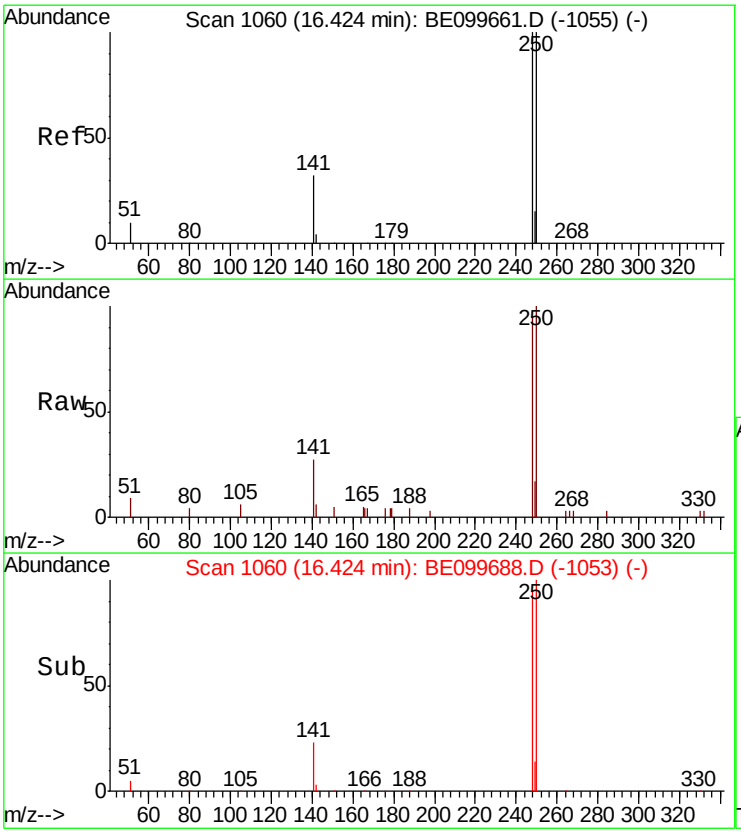
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:188 Resp: 10559

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	6.7	10.1

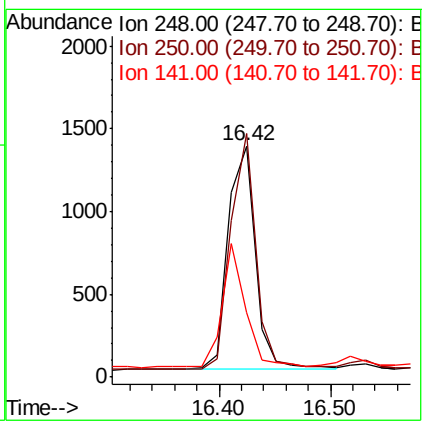


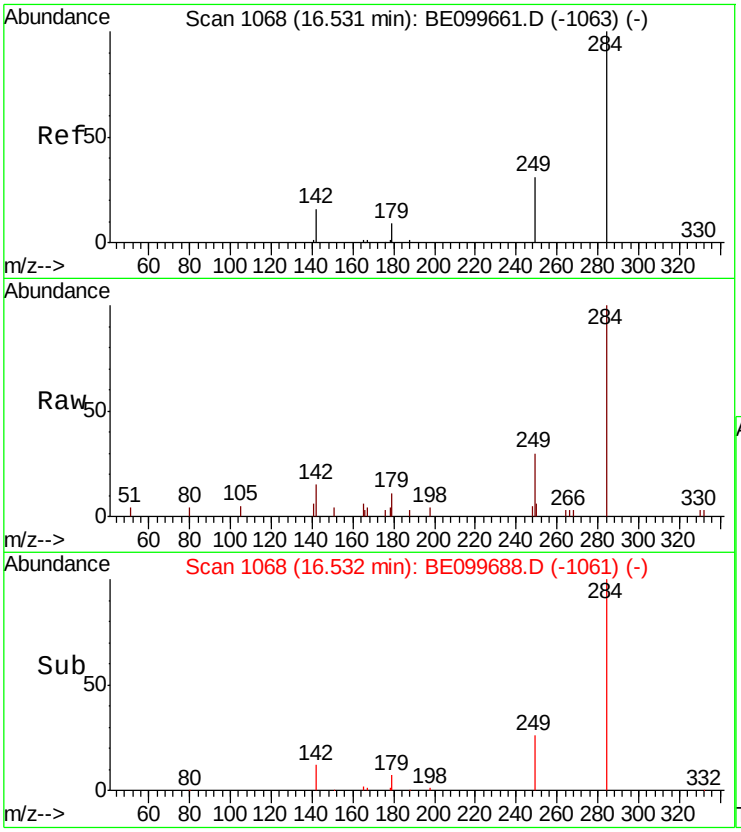


#20
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:248 Resp: 2314

Ion	Ratio	Lower	Upper
248	100		
250	105.4	79.8	119.8
141	28.1	27.0	40.6



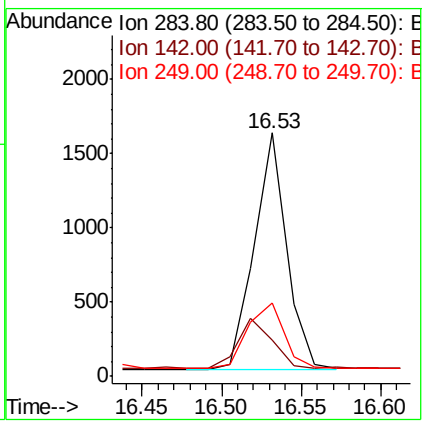


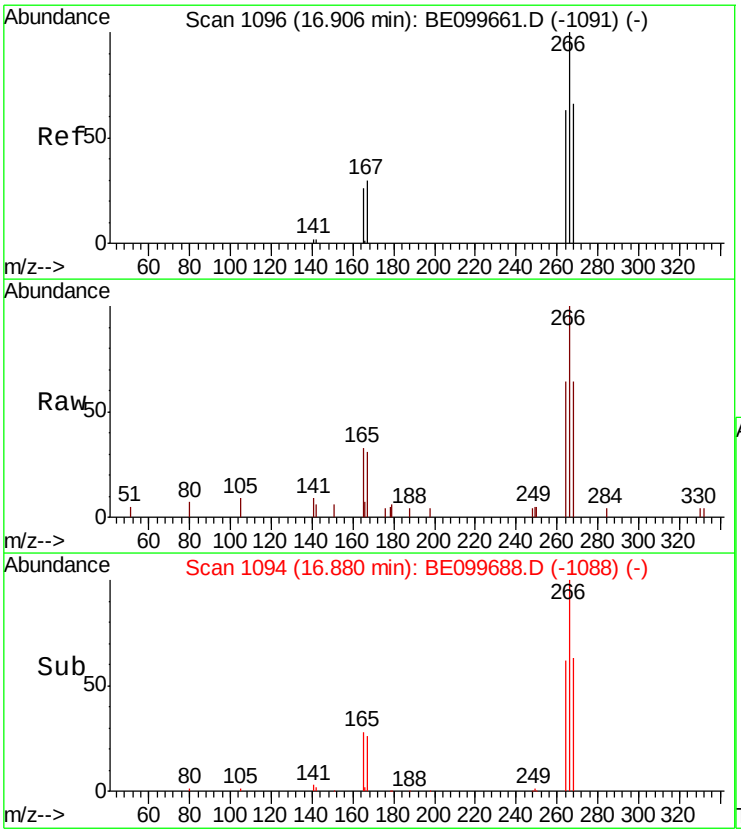
#21
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:284 Resp: 2242

Ion	Ratio	Lower	Upper
284	100		
142	22.5	17.8	26.6
249	30.3	24.8	37.2

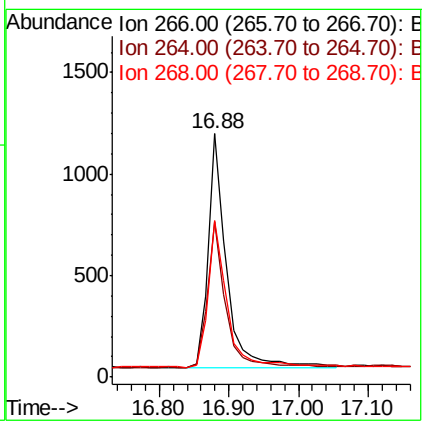


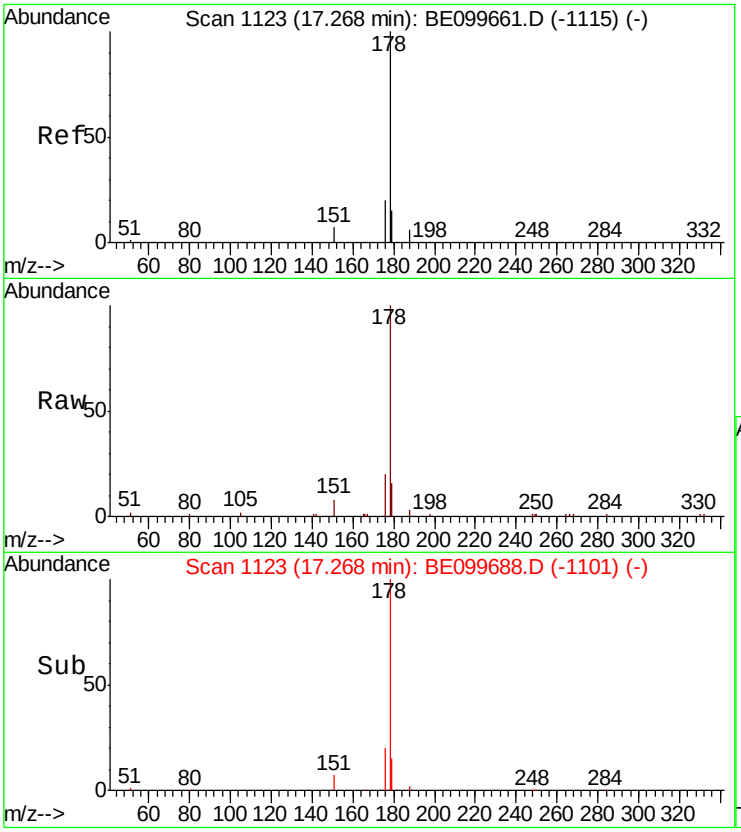


#22
Pentachlorophenol
Concen: 1.179 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:266 Resp: 2124

Ion	Ratio	Lower	Upper
266	100		
264	63.8	57.2	85.8
268	64.4	60.5	90.7



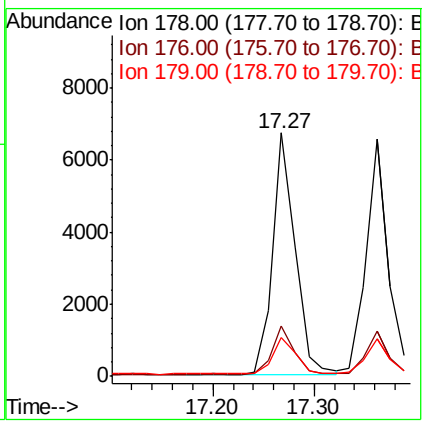


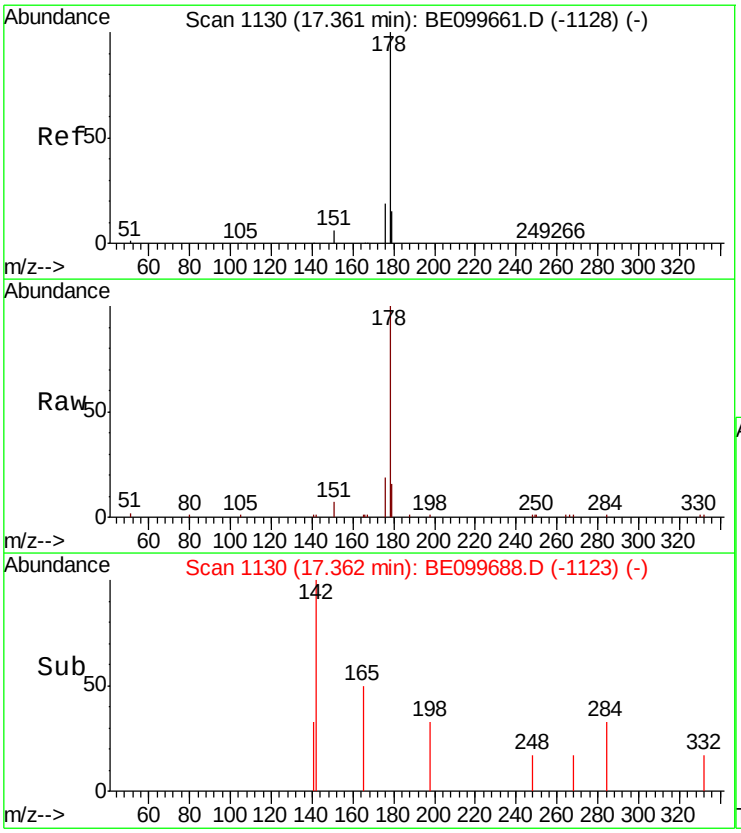
#23
Phenanthrene
Concen: 0.398 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:178 Resp: 10273

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	16.1	12.2	18.4

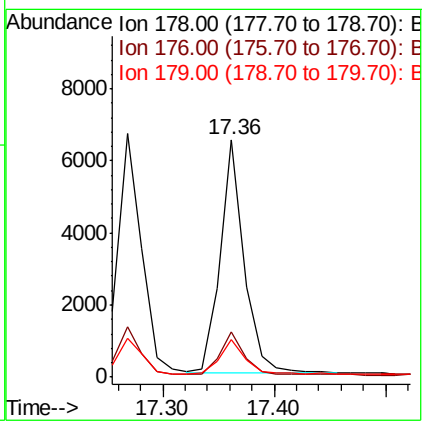


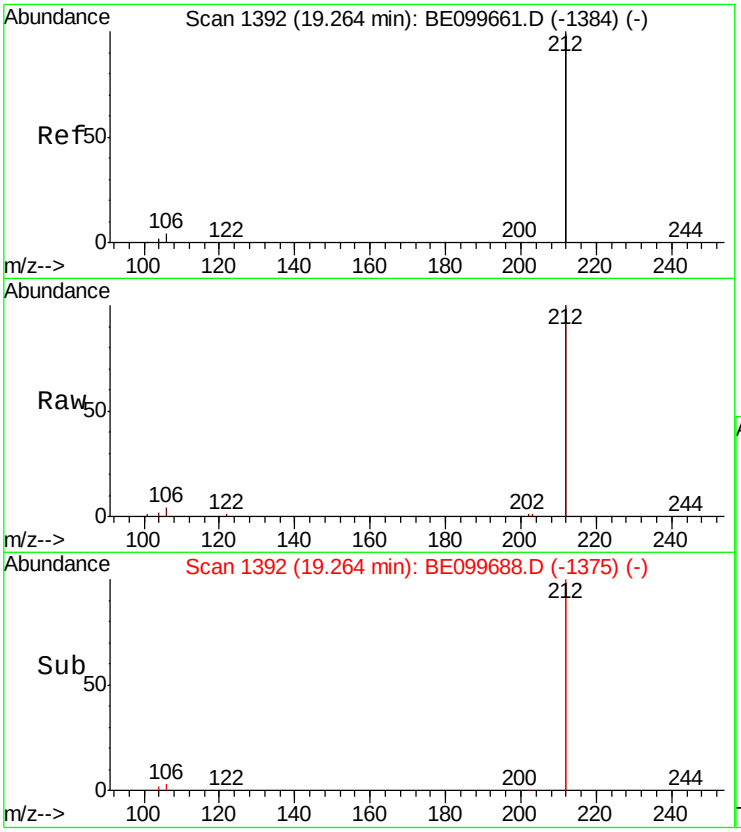


#24
Anthracene
Concen: 0.409 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:178 Resp: 9581

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.0	18.0



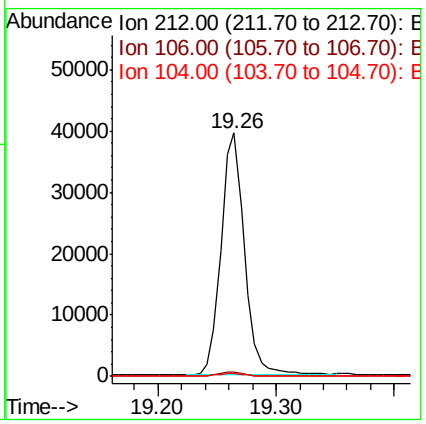


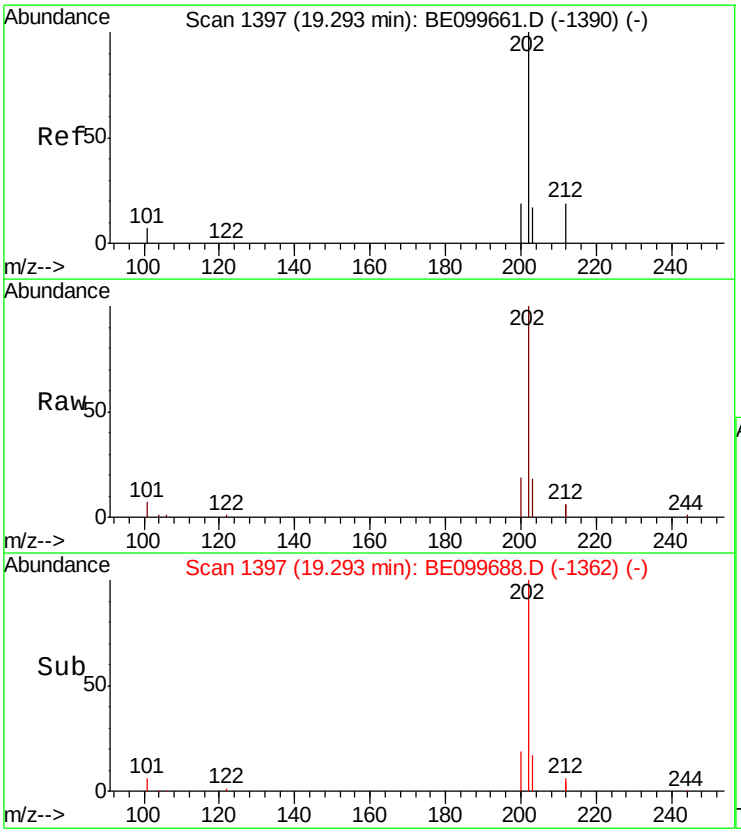
#25
Fluoranthene-d10
Concen: 0.374 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:212 Resp: 53986

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.1	0.8	1.2

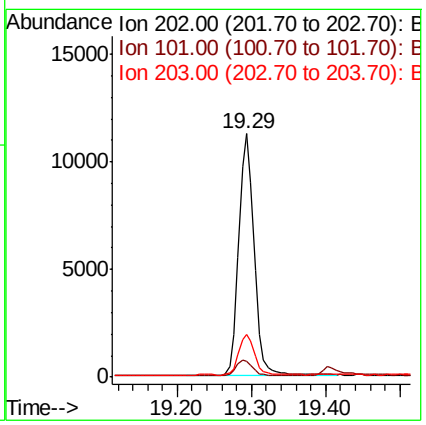


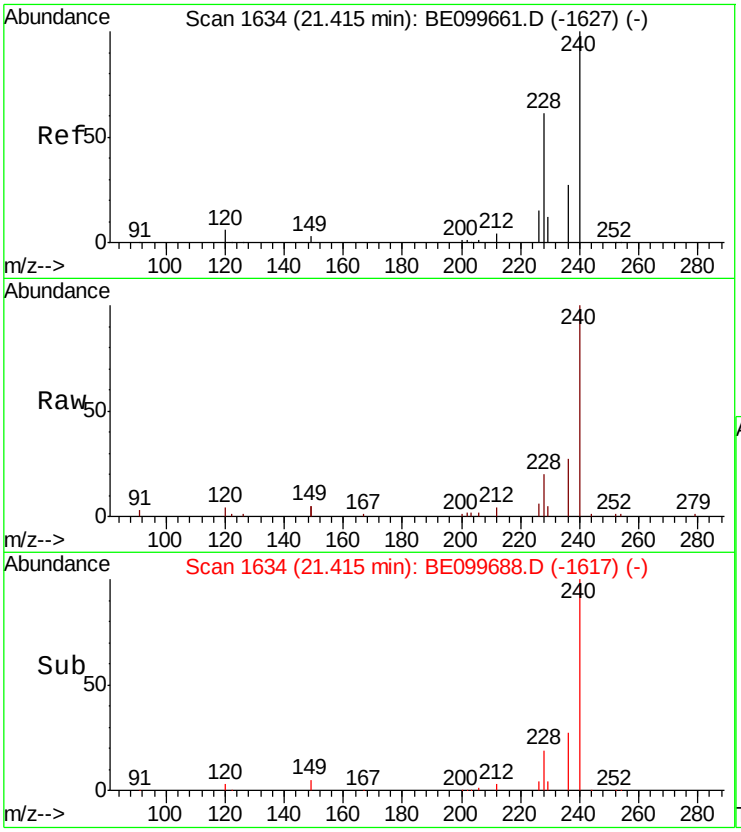


#26
Fluoranthene
Concen: 0.398 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:202 Resp: 16222

Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.2	7.8
203	17.2	13.8	20.6



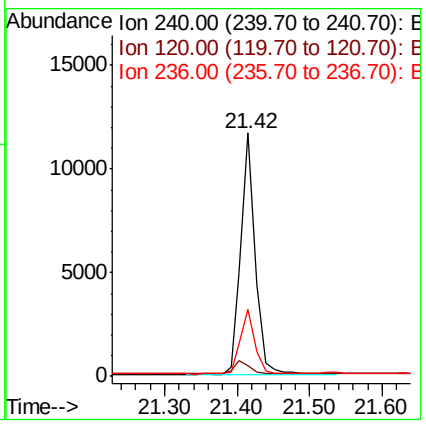


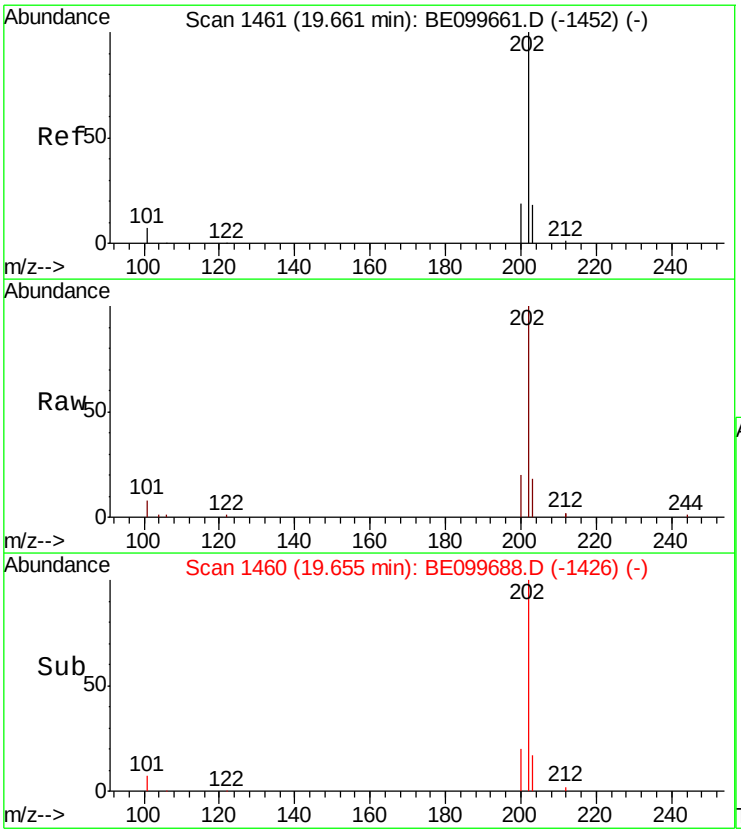
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:240 Resp: 16320

Ion	Ratio	Lower	Upper
240	100		
120	4.4	5.4	8.0#
236	27.4	21.7	32.5

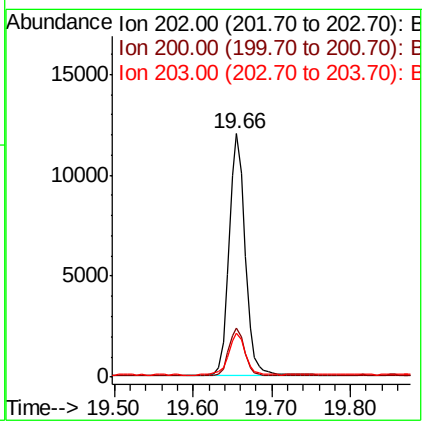


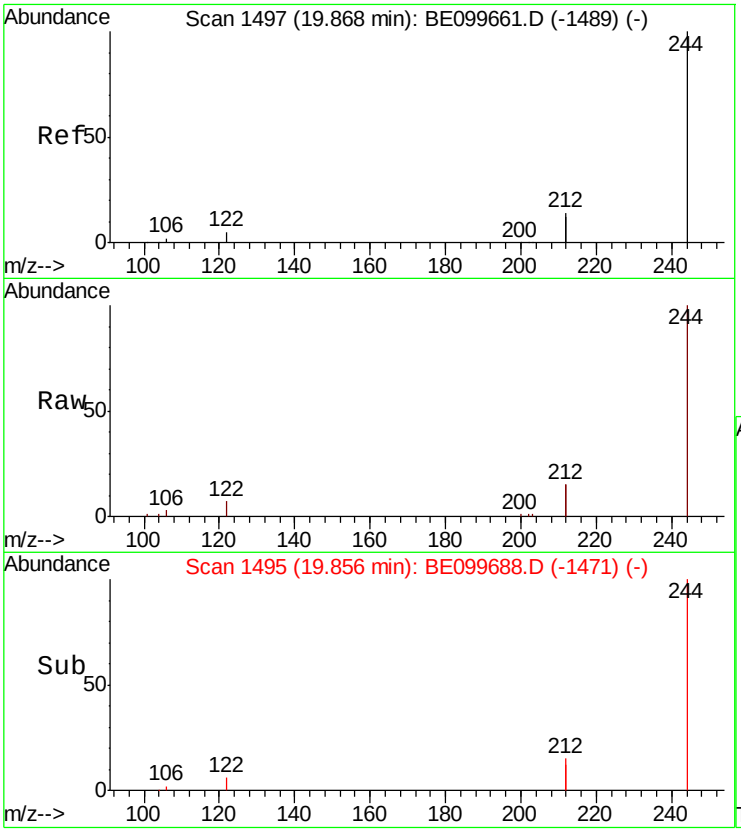


#28
Pyrene
Concen: 0.418 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:202 Resp: 17150

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.4	23.2
203	18.5	13.8	20.8



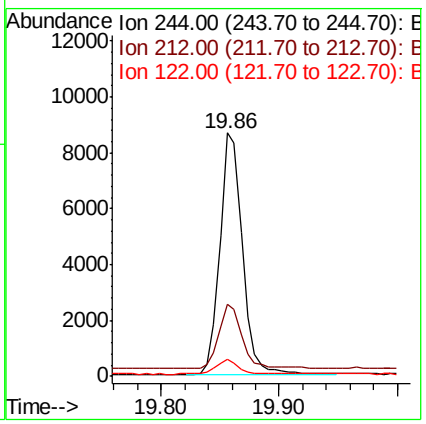


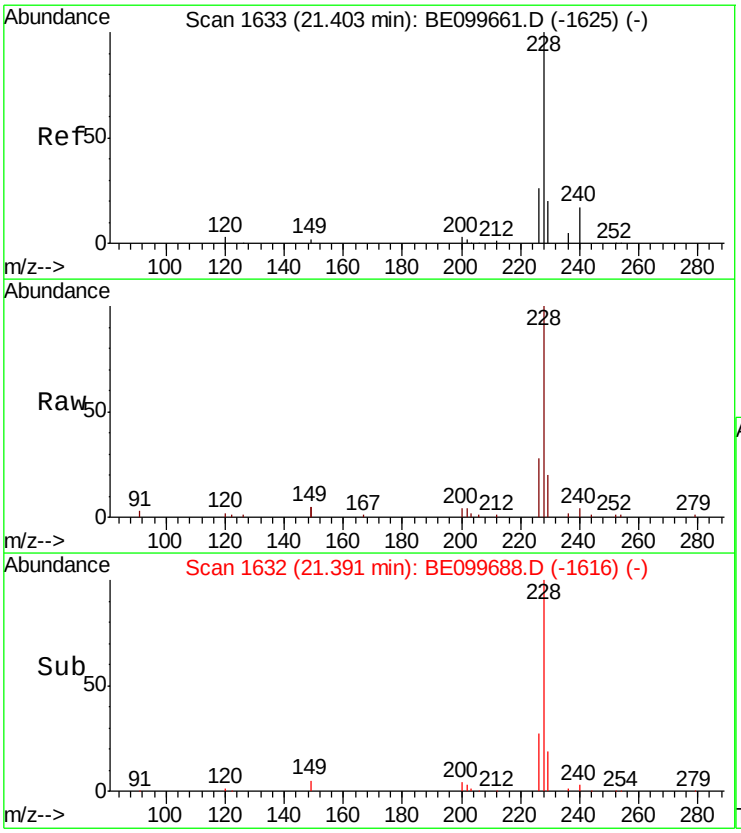
#29
Terphenyl-d14
Concen: 0.393 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:244 Resp: 11449

Ion	Ratio	Lower	Upper
244	100		
212	29.9	22.5	33.7
122	6.8	4.3	6.5#

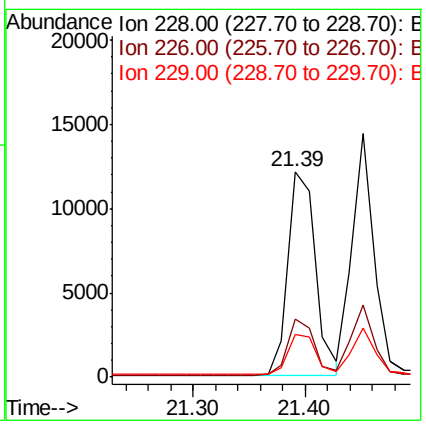


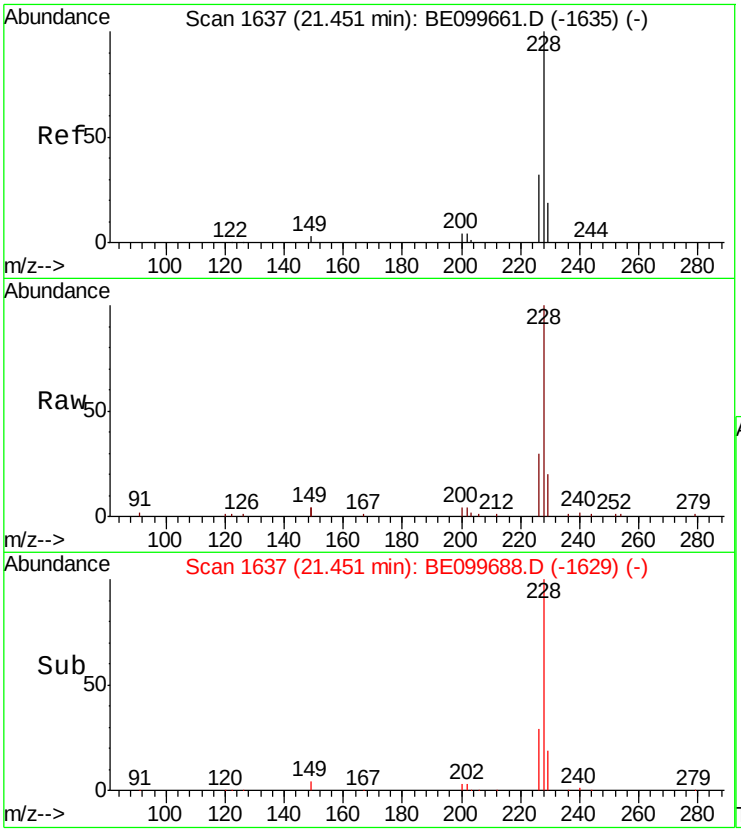


#30
Benzo(a)anthracene
Concen: 0.441 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:228 Resp: 20458

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.3	31.9
229	20.4	16.1	24.1



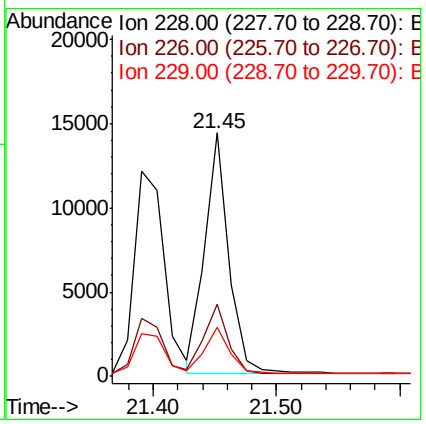


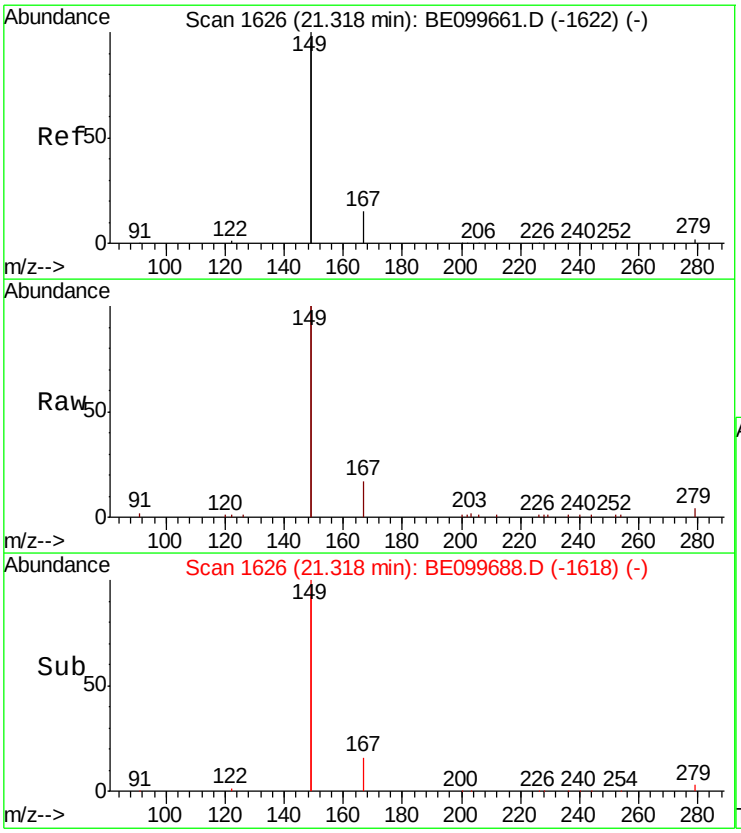
#31
Chrysene
Concen: 0.392 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:228 Resp: 19418

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	20.2	15.8	23.6

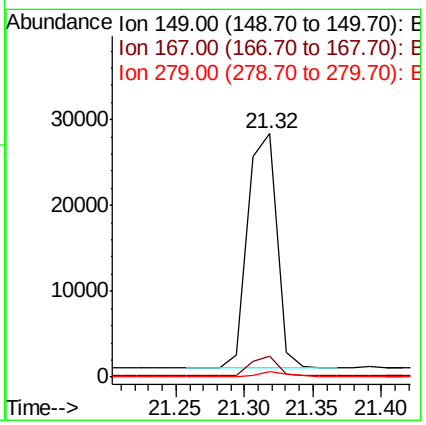


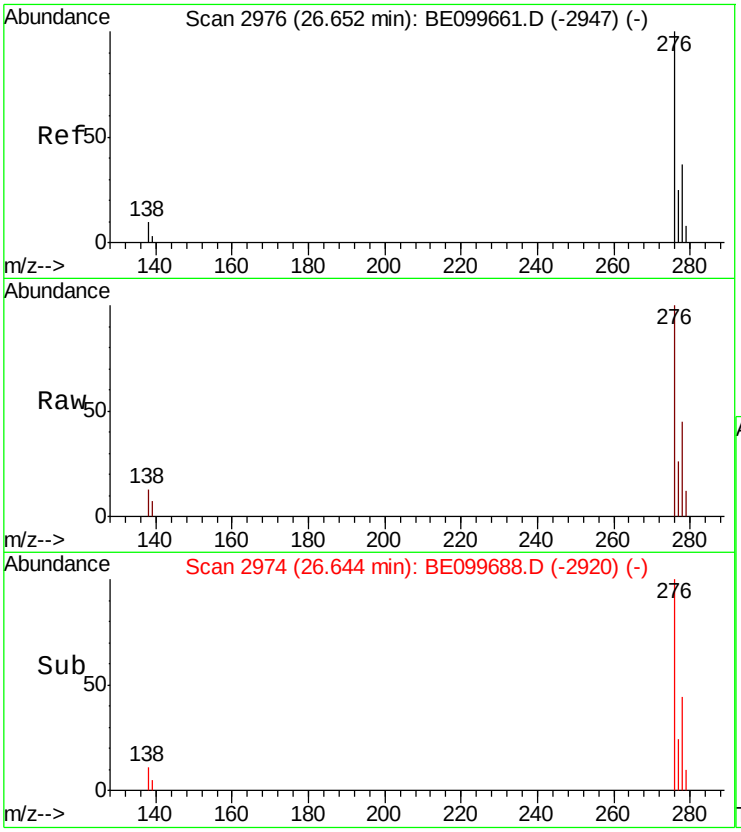


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.757 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:149 Resp: 40457

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



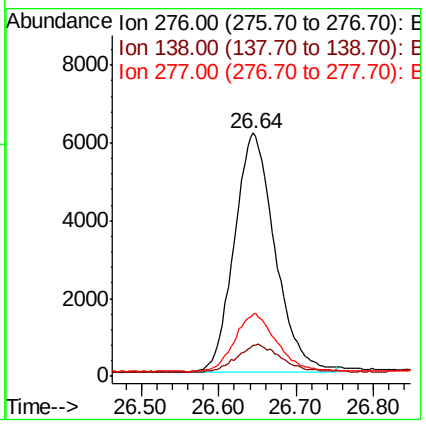


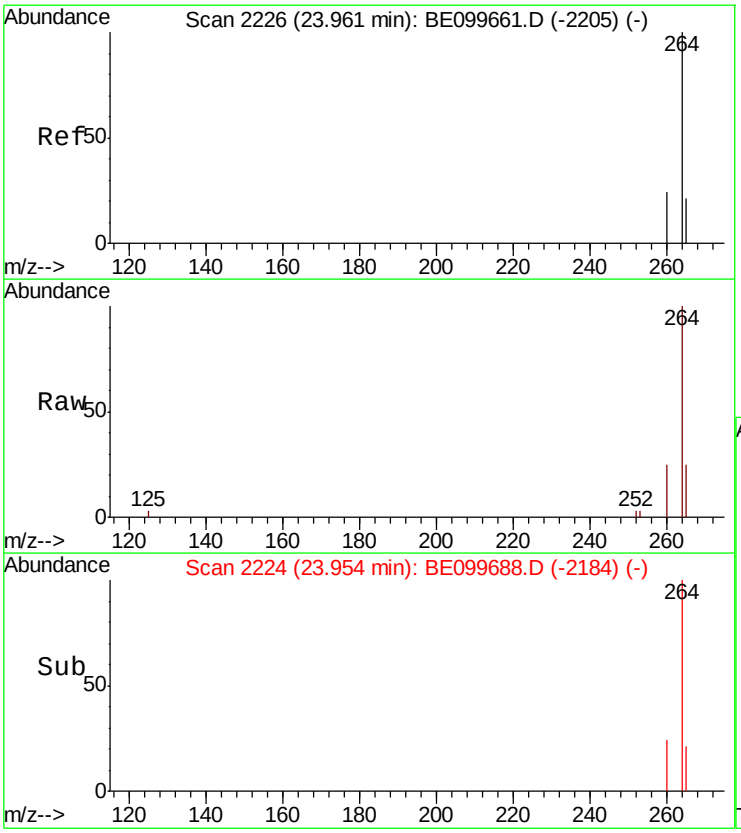
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 26.64 min Scan# 2974
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:276 Resp: 22384

Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.6	14.4
277	24.1	19.2	28.8

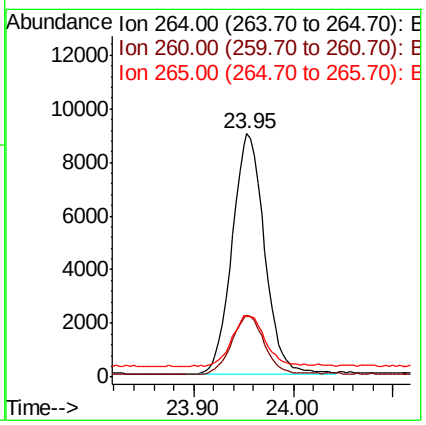


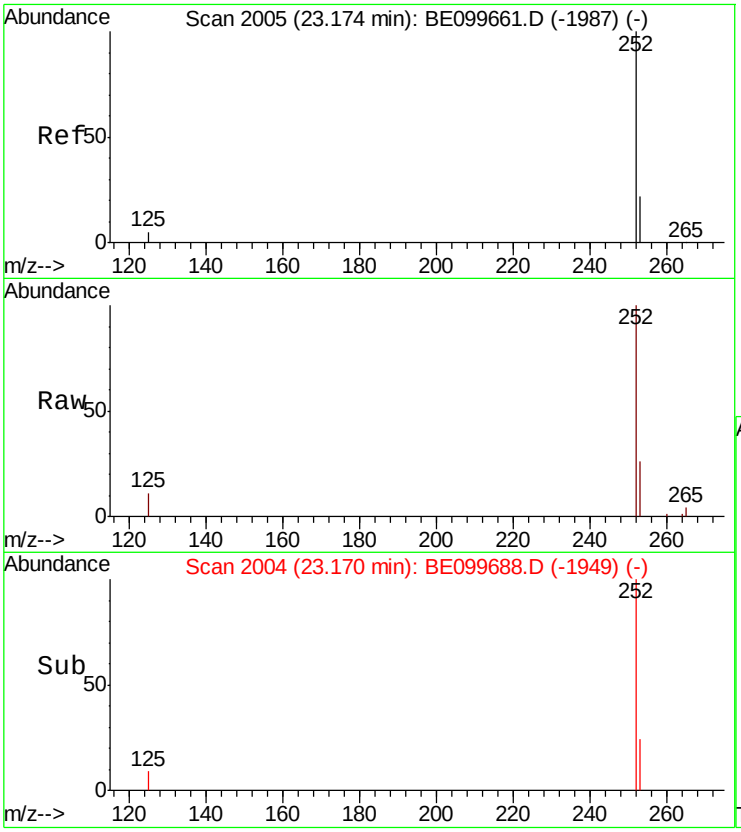


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:264 Resp: 20211

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.6	29.4
265	25.1	19.1	28.7



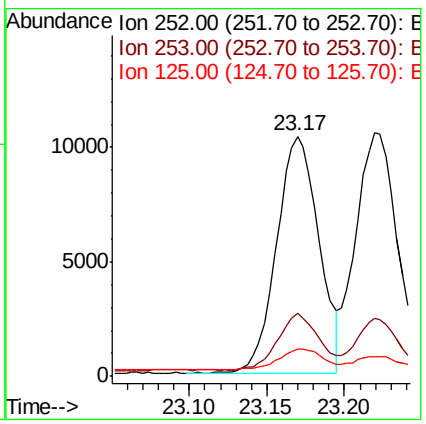


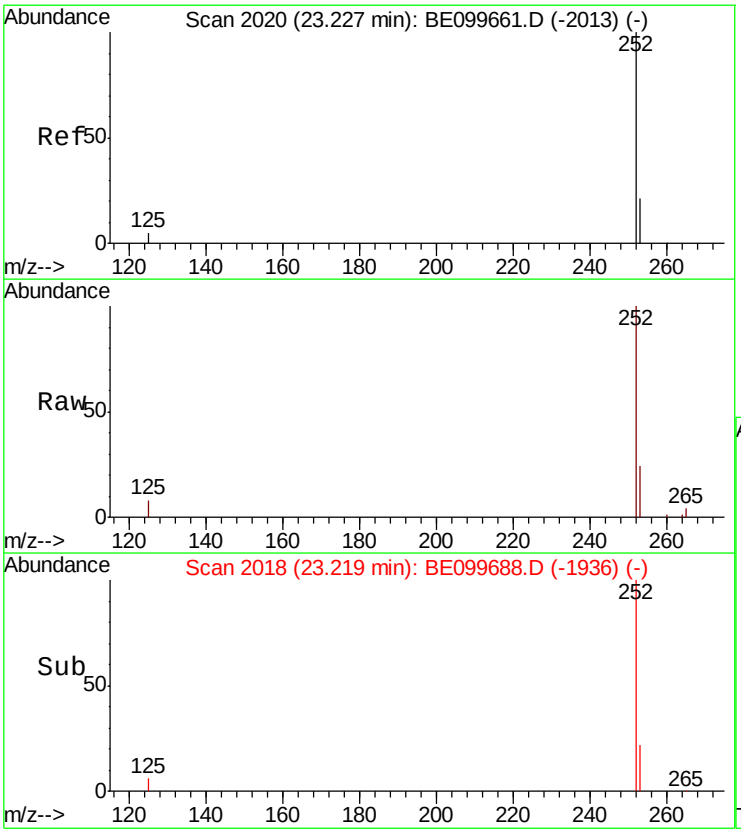
#35
Benzo(b)fluoranthene
Concen: 0.353 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:252 Resp: 19546

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.4
125	11.4	4.5	6.7#

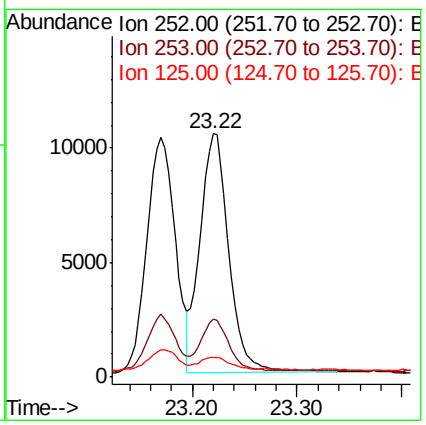


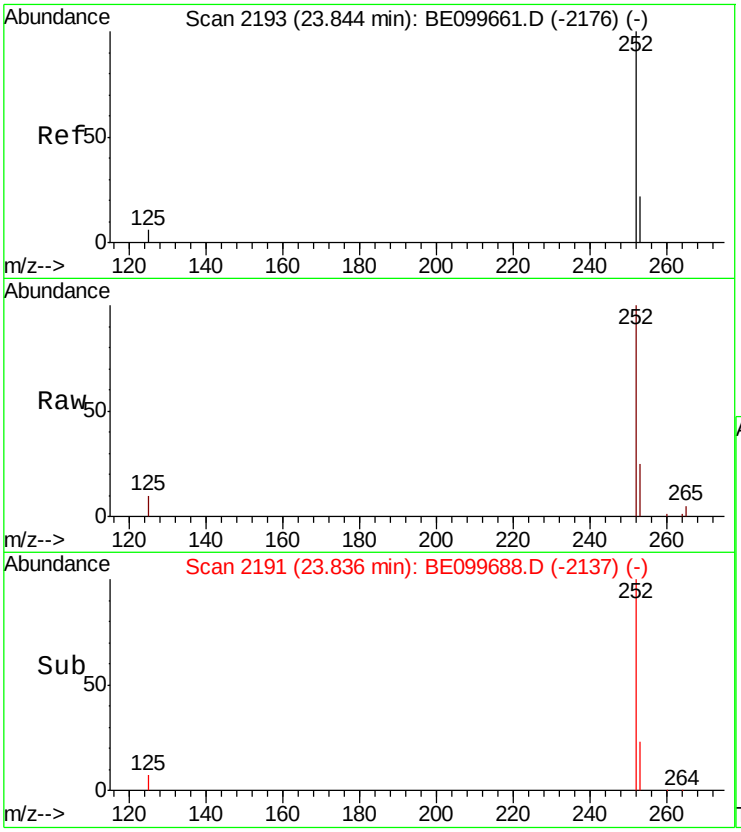


#36
Benzo(k)fluoranthene
Concen: 0.350 ng
RT: 23.22 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:252 Resp: 20224

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	8.3	4.6	6.8#



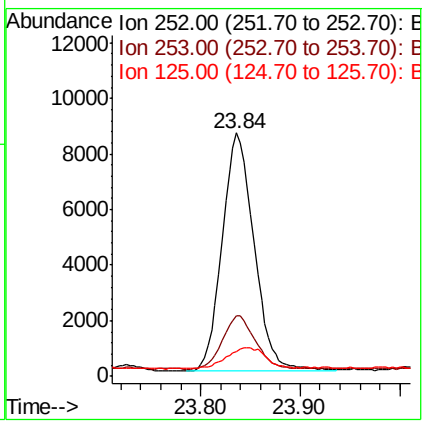


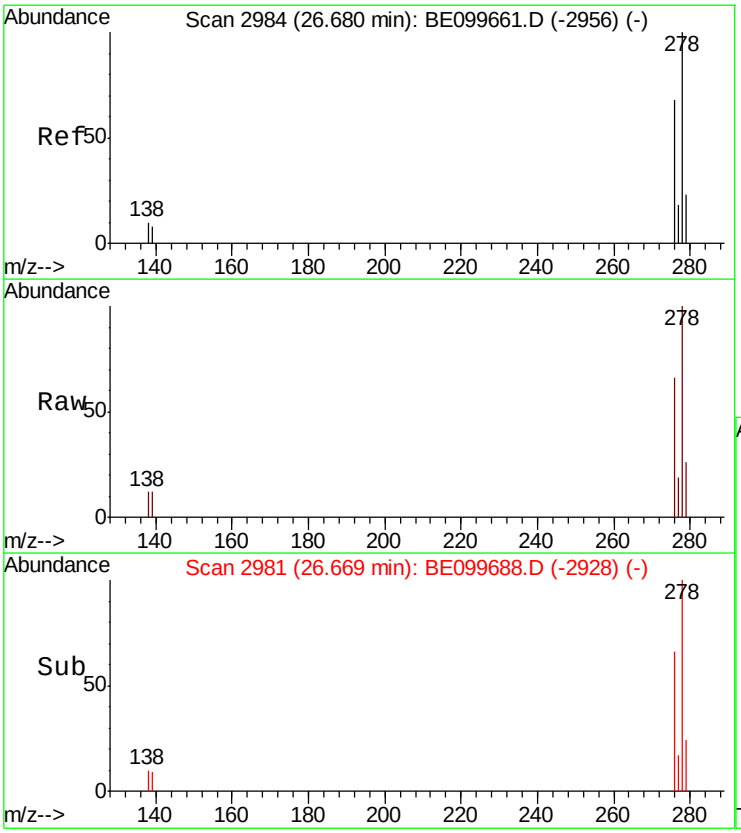
#37
Benzo(a)pyrene
Concen: 0.360 ng
RT: 23.84 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:252 Resp: 19194

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.9	28.3
125	10.4	5.4	8.0#

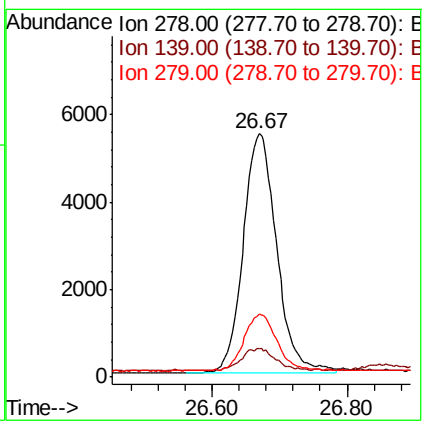


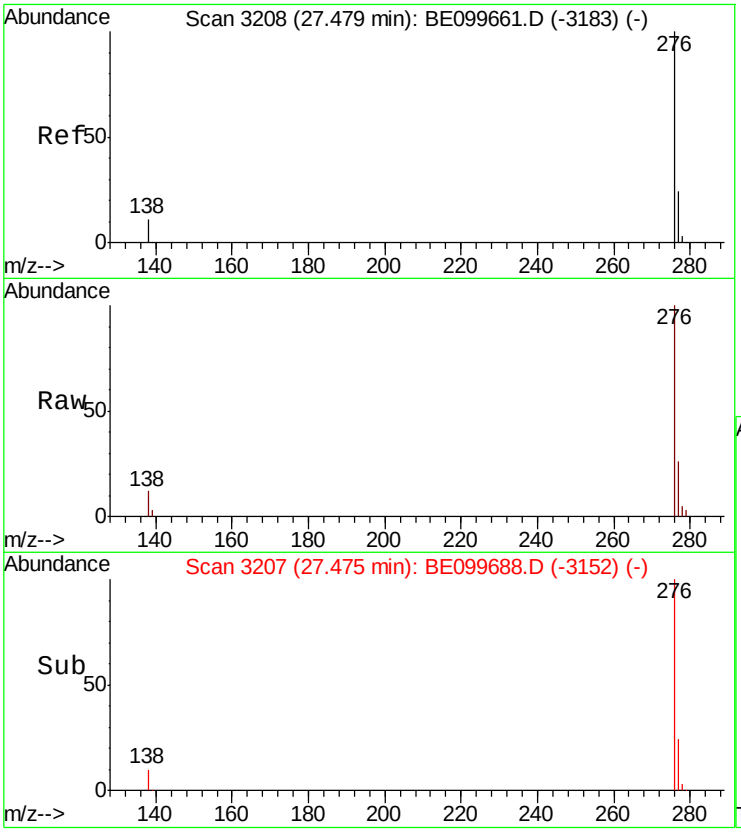


#38
Dibenzo(a,h)anthracene
Concen: 0.338 ng
RT: 26.67 min Scan# 2981
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:278 Resp: 18911

Ion	Ratio	Lower	Upper
278	100		
139	11.6	6.9	10.3#
279	25.7	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.335 ng
RT: 27.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MS

Tgt Ion:276 Resp: 18930

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.8	29.6
138	11.8	9.2	13.8