Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052919\
Data File : BE099778.D
Acq On : 29 May 2019 16:11
Operator : JU/SJ
Sample : K3066-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FESB-27(3.5-4)MS

Quant Time: May 29 17:27:28 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	1428	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	4687	0.40	ng		-0.01
13) Acenaphthene-d10	14.47	164	3264	0.40	ng		-0.02
19) Phenanthrene-d10	17.23	188	9564	0.40	ng		0.00
27) Chrysene-d12	21.41	240	14128	0.40	ng		0.00
34) Perylene-d12	23.94	264	16535	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1337	0.37	ng		0.00
5) Phenol-d6	6.96	99	1766	0.37	ng		-0.01
8) Nitrobenzene-d5	8.96	82	1330	0.33	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2320	0.29	ng		-0.02
14) 2,4,6-Tribromophenol	15.97	330	680	0.40	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	3471	0.28	ng		0.00
25) Fluoranthene-d10	19.26	212	33415	0.26	ng		0.00
29) Terphenyl-d14	19.85	244	7457	0.30	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	498	0.236	ng	#	58
3) n-Nitrosodimethylamine	3.61	42	461	0.395	ng	#	97
6) bis(2-Chloroethyl)ether	7.23	93	1238	0.291	ng		97
9) Naphthalene	10.65	128	15408	0.307	ng		99
10) Hexachlorobutadiene	10.93	225	1027	0.278	ng		98
12) 2-Methylnaphthalene	12.28	142	2476	0.303	ng		96
16) Acenaphthylene	14.20	152	4627	0.304	ng		99
17) Acenaphthene	14.54	154	2556	0.299	ng		99
18) Fluorene	15.51	166	3605	0.287	ng		99
20) 4-Bromophenyl-phenylether	16.41	248	1496	0.271	ng	#	90
21) Hexachlorobenzene	16.52	284	1509	0.267	ng		98
22) Pentachlorophenol	16.88	266	607	0.525	ng		89
23) Phenanthrene	17.27	178	7282	0.312	ng		98
24) Anthracene	17.36	178	6336	0.299	ng		100
26) Fluoranthene	19.29	202	10852	0.294	ng		99
28) Pyrene	19.65	202	11349	0.320	ng		99
30) Benzo(a)anthracene	21.39	228	12501	0.311	ng		99
31) Chrysene	21.45	228	13234	0.308	ng		98
32) Bis(2-ethylhexyl)phthalate	21.31	149	21671	0.468	ng		100
33) Indeno(1,2,3-cd)pyrene	26.63	276	13828	0.267	ng		99
35) Benzo(b)fluoranthene	23.16	252	12562	0.277	ng	#	93
36) Benzo(k)fluoranthene	23.21	252	12504	0.265	ng	#	95
37) Benzo(a)pyrene	23.83	252	12001	0.275	ng	#	95
38) Dibenzo(a,h)anthracene	26.66	278	11389	0.249	ng	#	94
39) Benzo(g,h,i)perylene	27.46	276	11651	0.252	ng		97

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

Quantitation Report (QT Reviewed)

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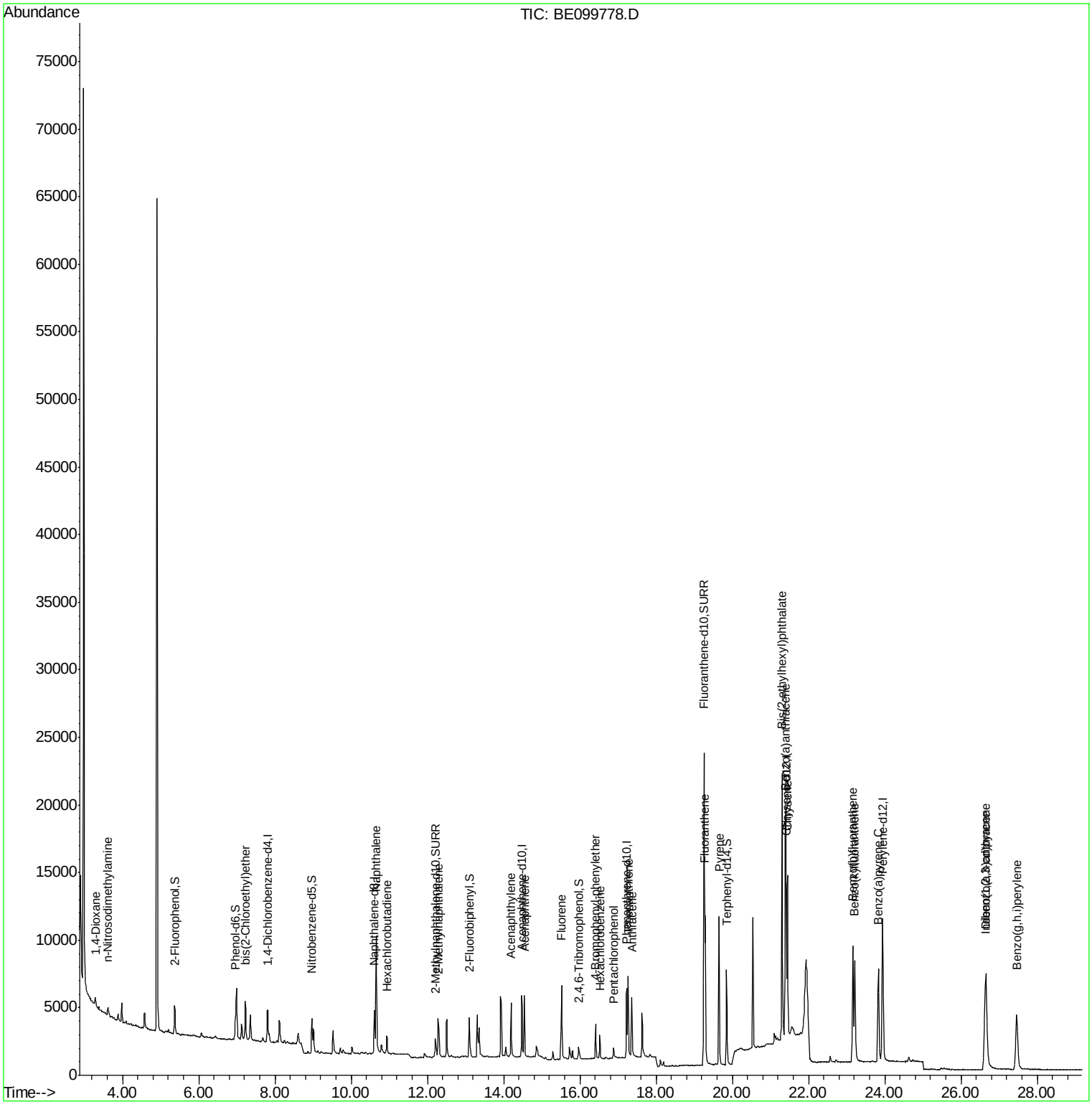
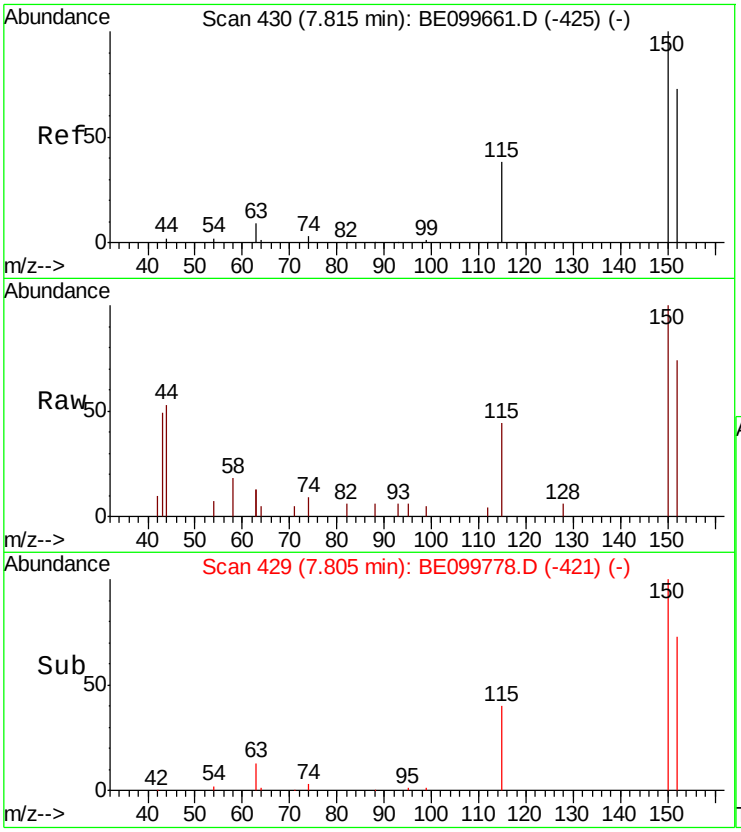
Data File : BE099778.D
Acq On : 29 May 2019 16:11
Operator : JU/SJ
Sample : K3066-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Quant Time: May 29 17:27:28 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



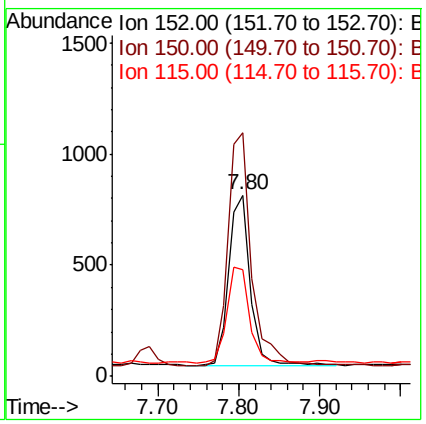


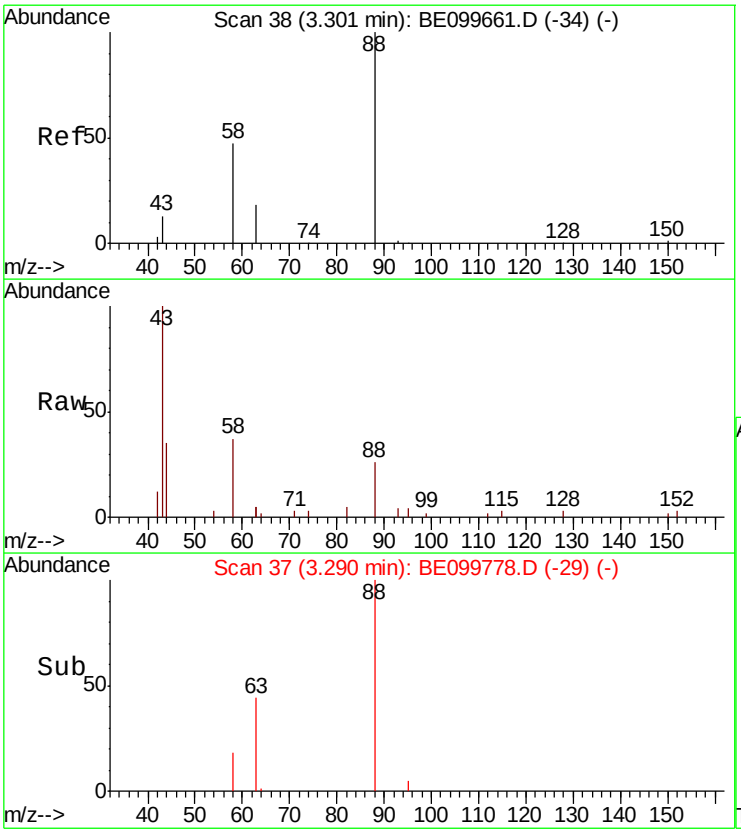
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:152 Resp: 1428

Ion	Ratio	Lower	Upper
152	100		
150	134.5	109.2	163.8
115	59.2	43.7	65.5

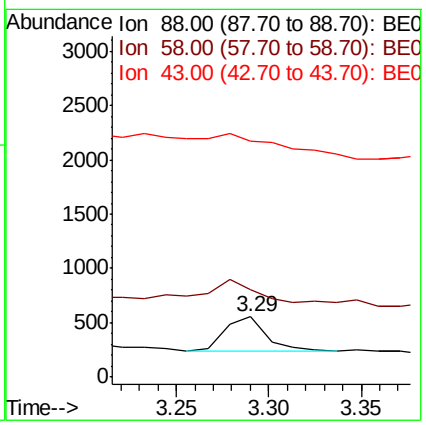


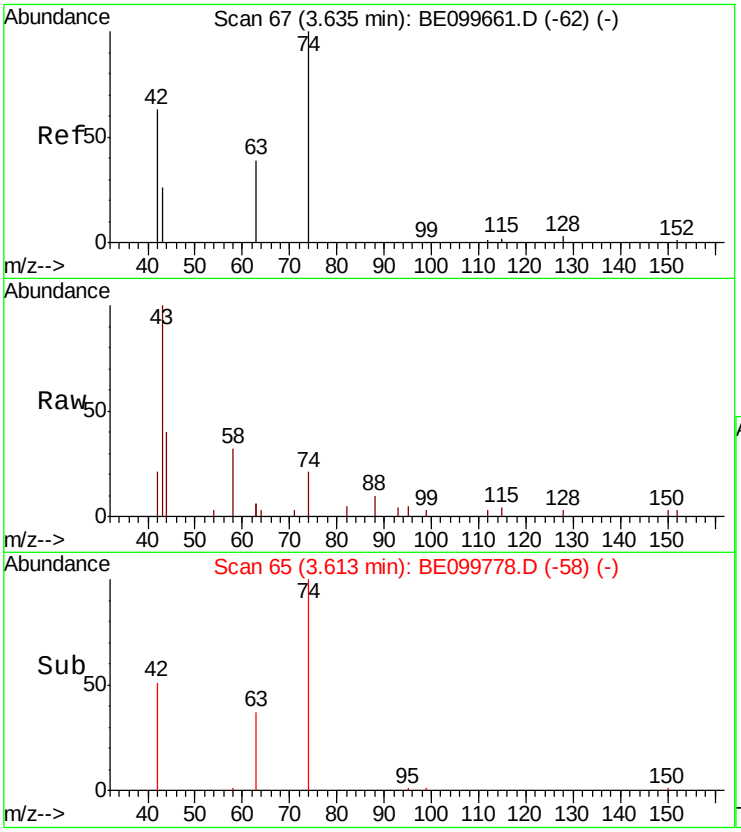


#2
1,4-Dioxane
Concen: 0.236 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion: 88 Resp: 498

Ion	Ratio	Lower	Upper
88	100		
58	81.9	41.8	62.8#
43	0.0	15.0	22.4#



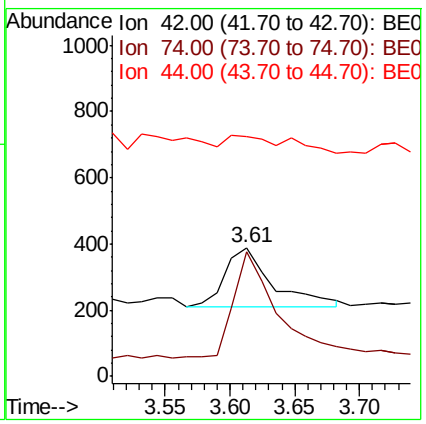


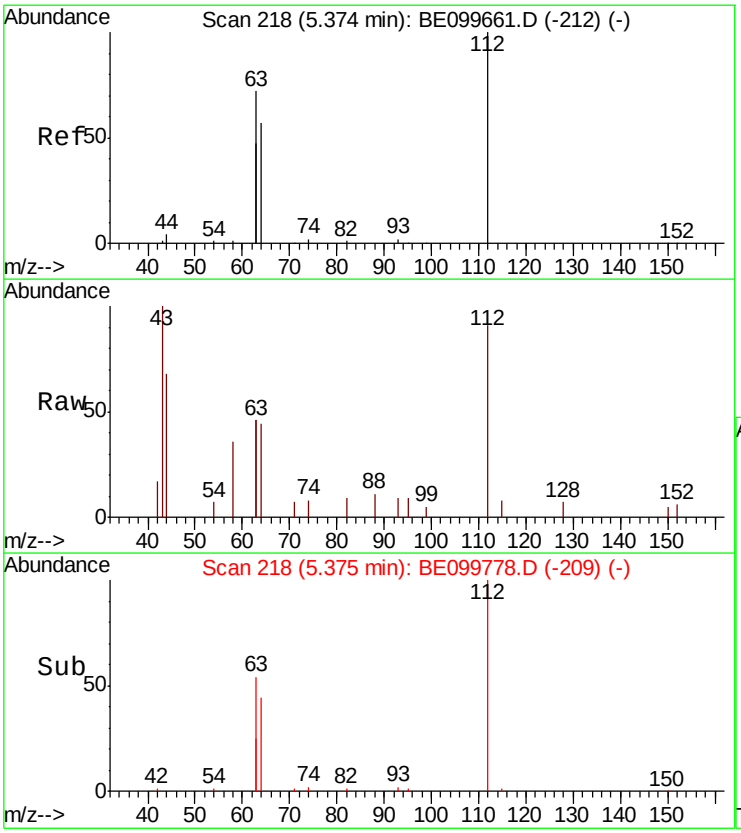
#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.61 min Scan# 65
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion: 42 Resp: 461

Ion	Ratio	Lower	Upper
42	100		
74	157.9	129.2	193.8
44	38.8	0.0	0.0#

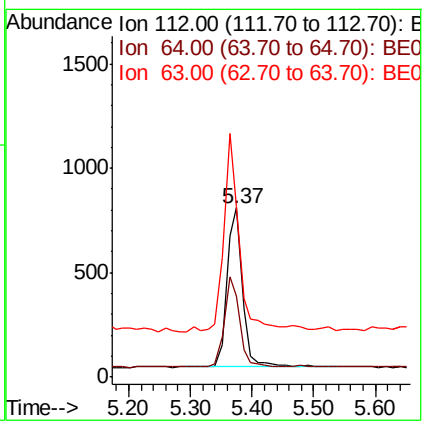


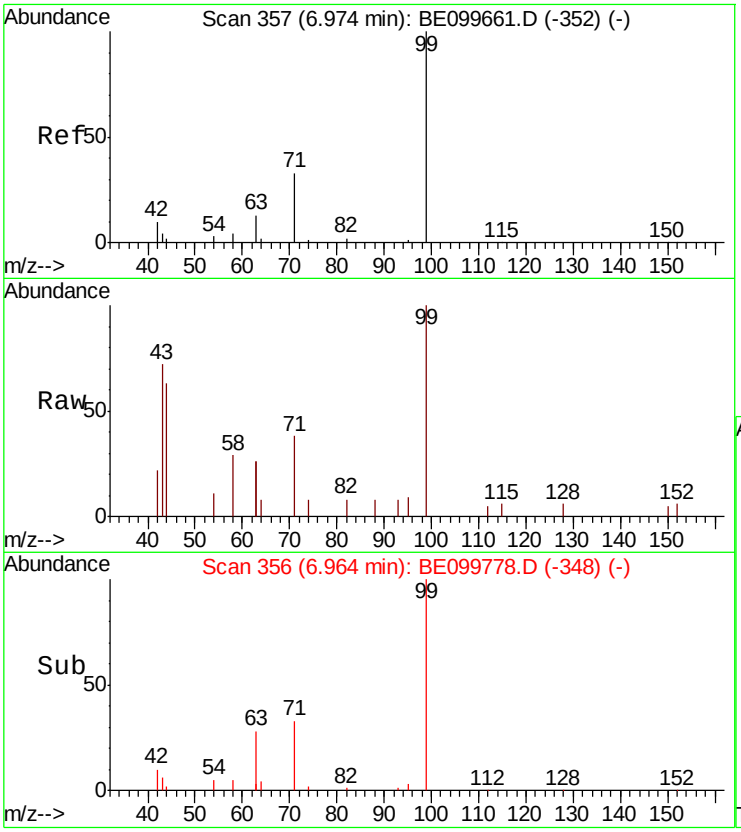


#4
2-Fluorophenol
Concen: 0.371 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:112 Resp: 1337

Ion	Ratio	Lower	Upper
112	100		
64	55.3	43.4	65.2
63	123.1	96.9	145.3



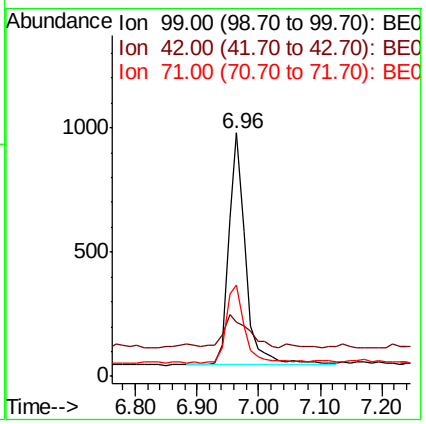


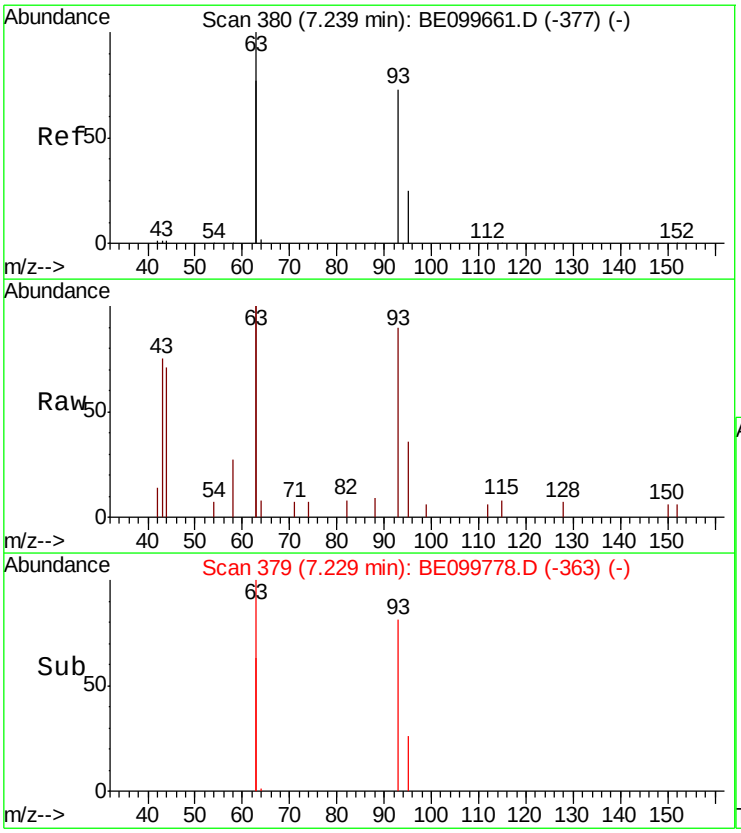
#5
Phenol-d6
Concen: 0.370 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion: 99 Resp: 1766

Ion	Ratio	Lower	Upper
99	100		
42	20.0	12.2	18.2#
71	37.7	28.9	43.3

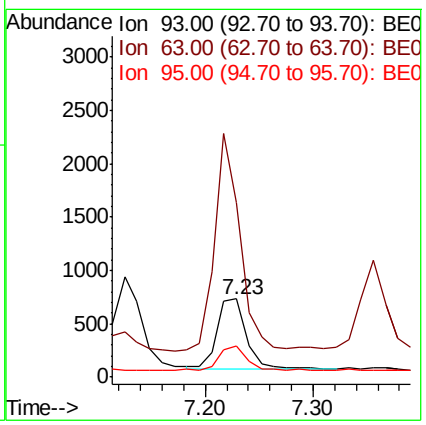


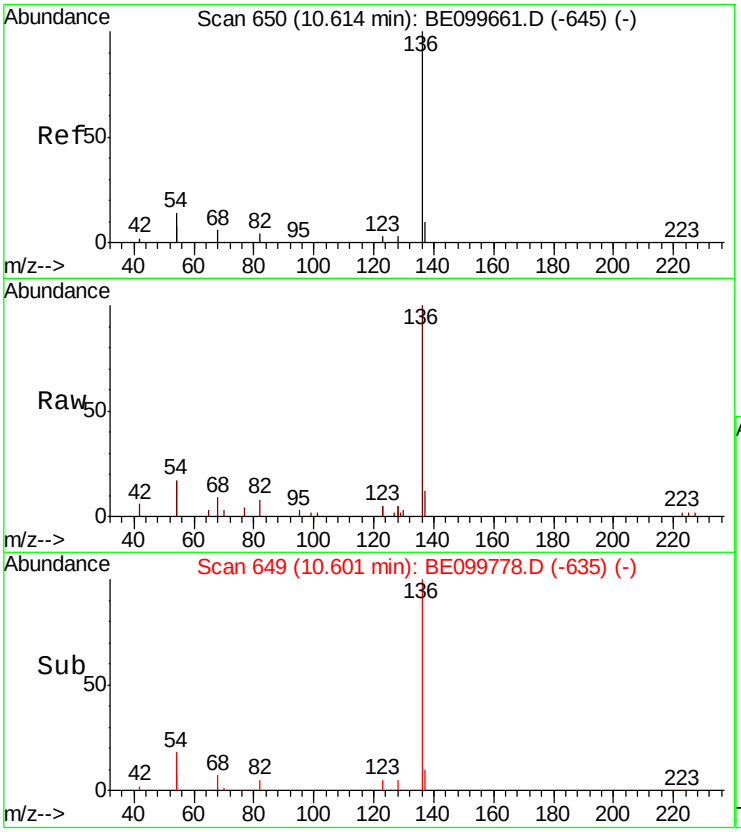


#6
bis(2-Chloroethyl)ether
Concen: 0.291 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion: 93 Resp: 1238

Ion	Ratio	Lower	Upper
93	100		
63	265.6	207.8	311.6
95	34.7	25.9	38.9



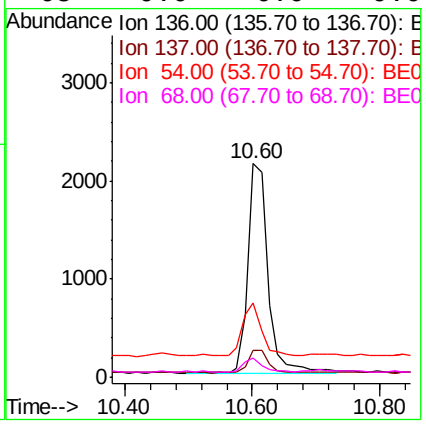


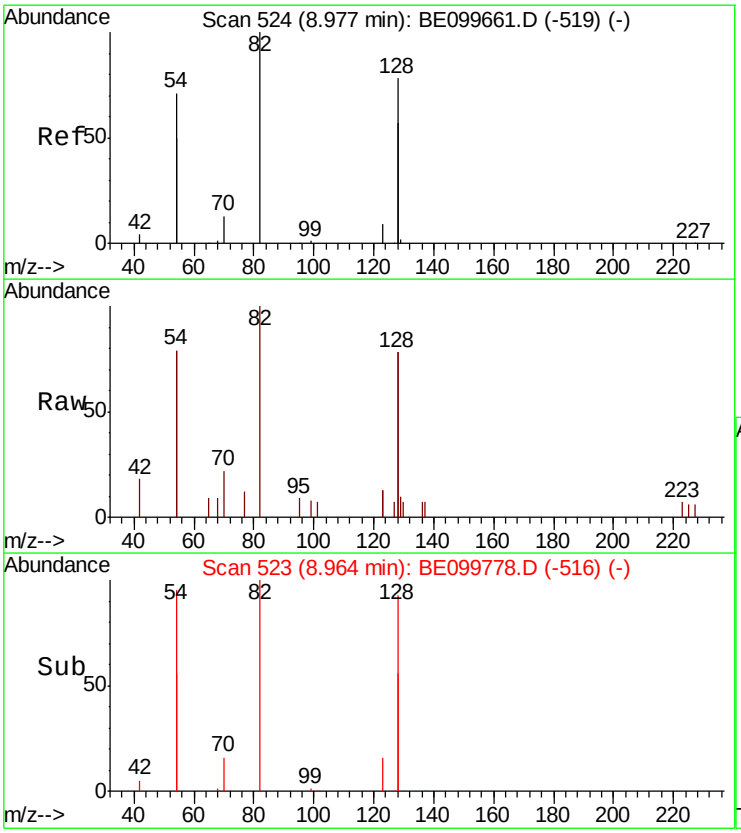
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:136 Resp: 4687

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.0	13.6
54	34.8	22.3	33.5#
68	9.0	6.0	9.0

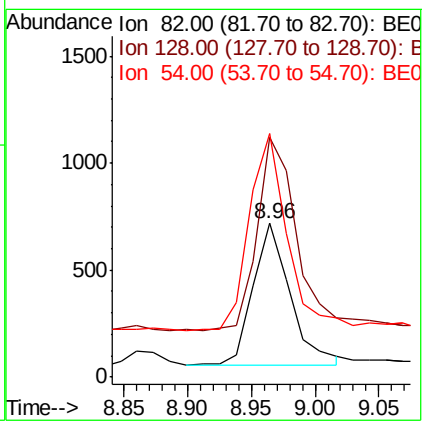


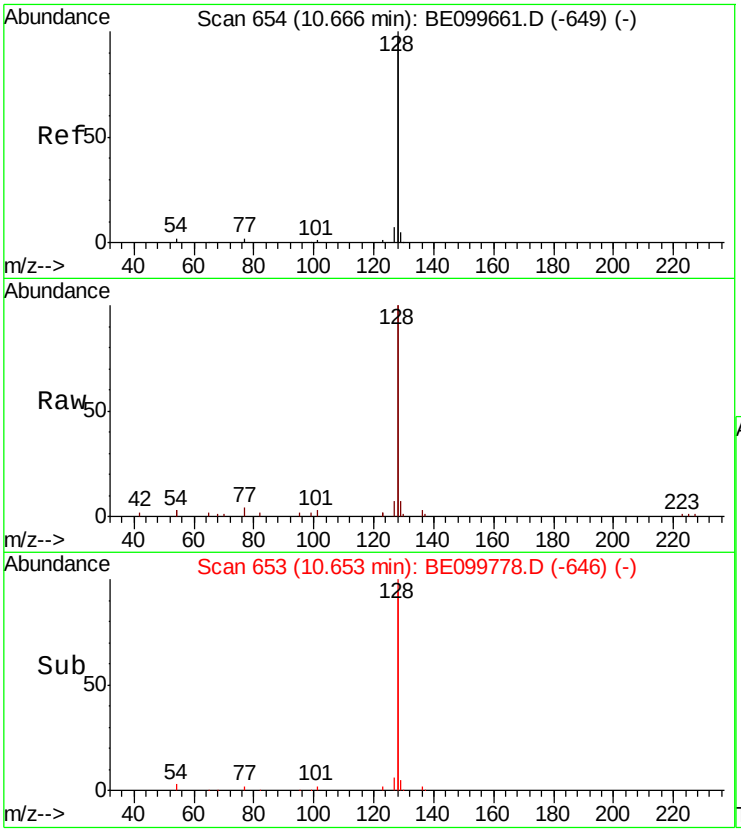


#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion: 82 Resp: 1330

Ion	Ratio	Lower	Upper
82	100		
128	156.5	117.7	176.5
54	158.7	106.6	160.0



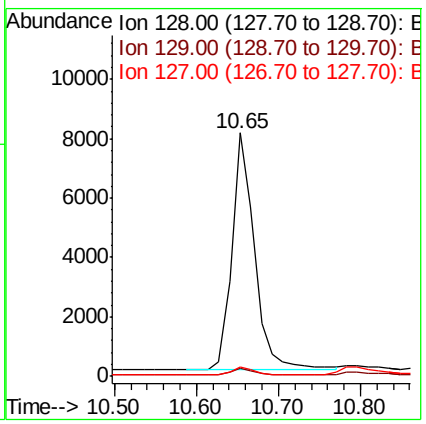


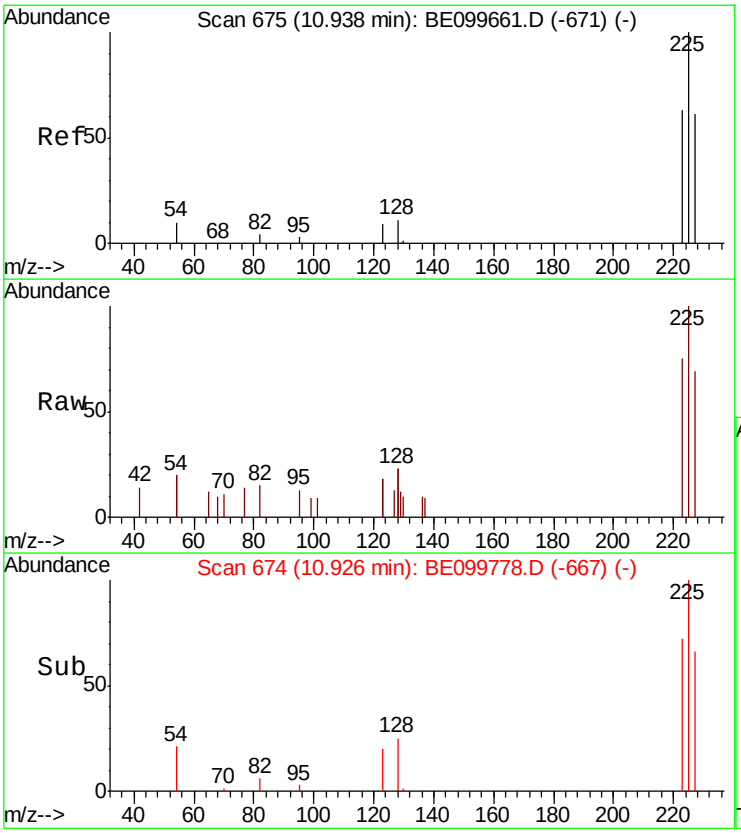
#9
Naphthalene
Concen: 0.307 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:128 Resp: 15408

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.4	3.6
127	3.7	2.9	4.3

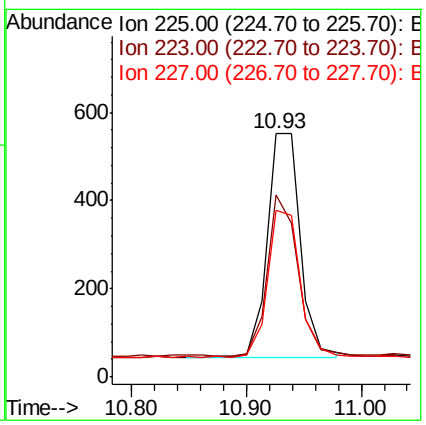


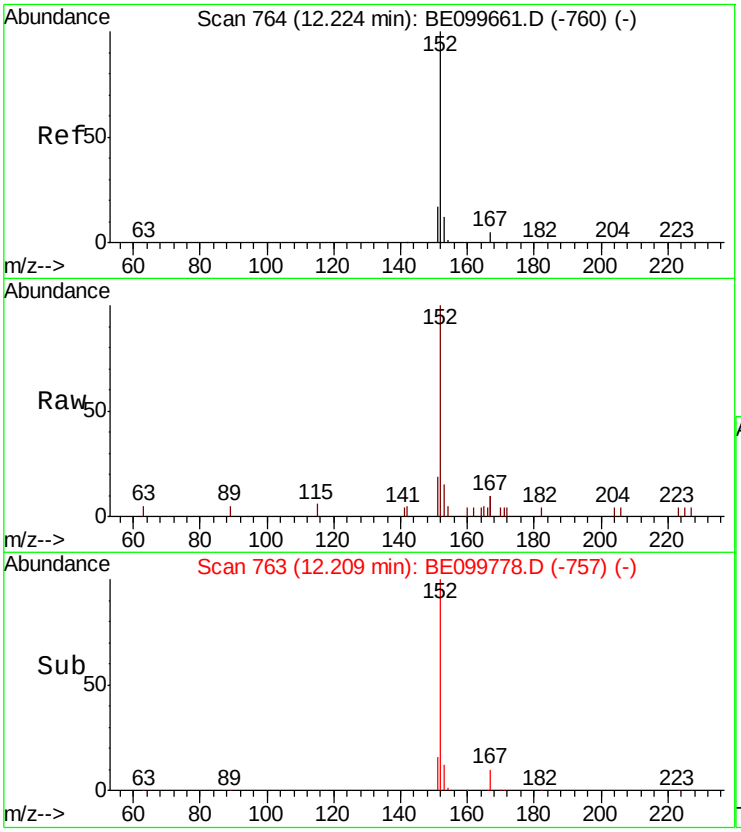


#10
Hexachlorobutadiene
Concen: 0.278 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:225 Resp: 1027

Ion	Ratio	Lower	Upper
225	100		
223	66.1	51.8	77.6
227	64.1	52.6	79.0



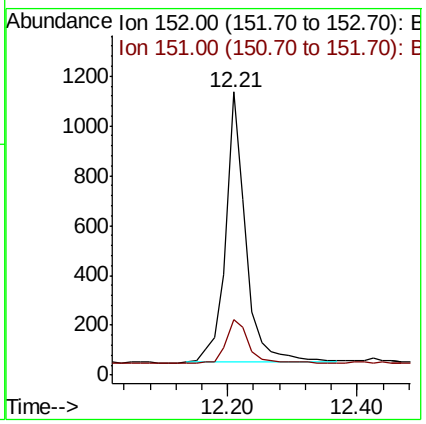


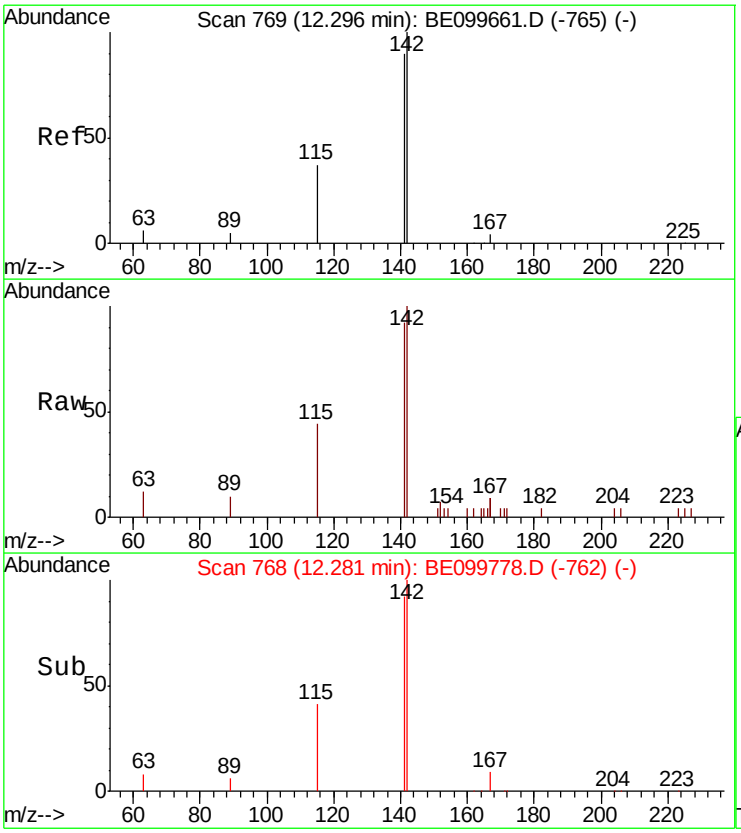
#11
2-Methylnaphthalene-d10
Concen: 0.287 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:152 Resp: 2320

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.0	22.4

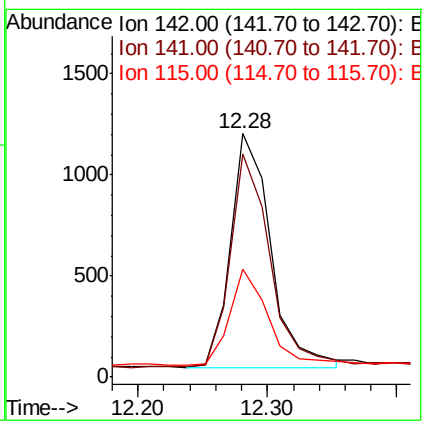


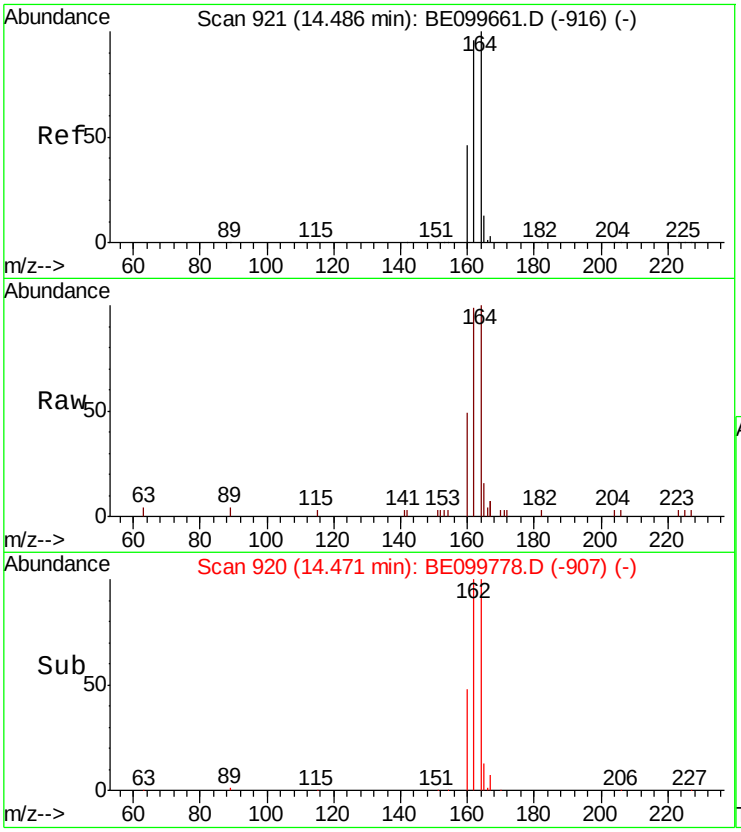


#12
2-Methylnaphthalene
Concen: 0.303 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:142 Resp: 2476

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.0	108.0
115	44.4	31.0	46.4



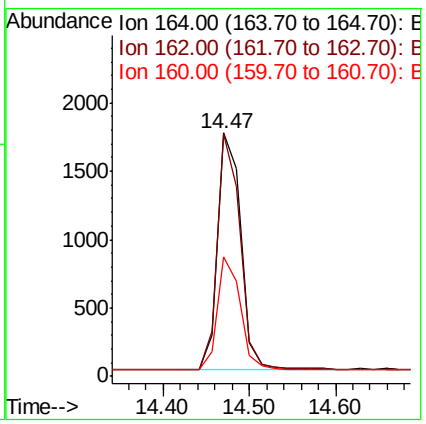


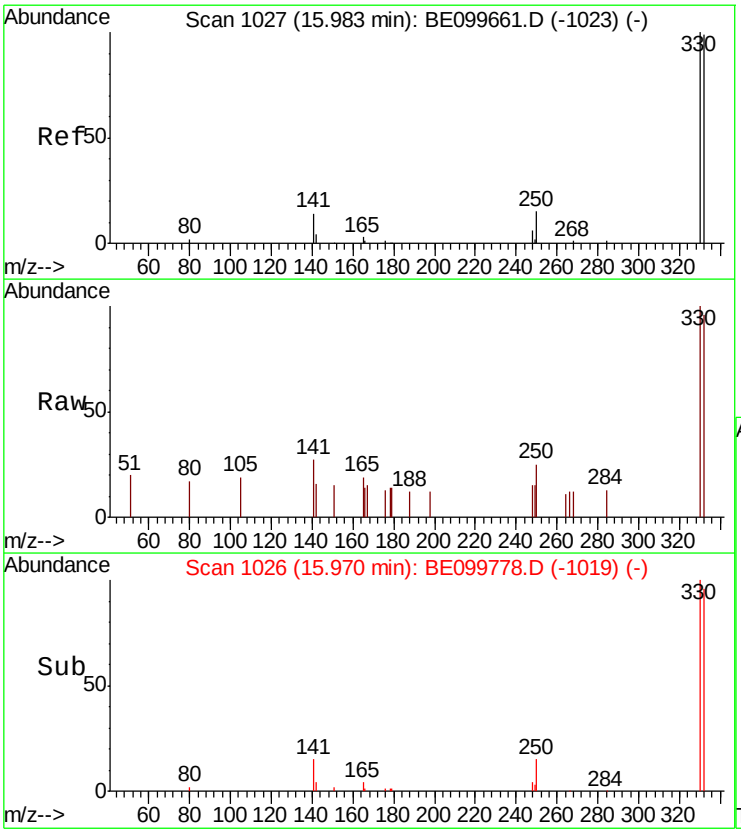
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:164 Resp: 3264

Ion	Ratio	Lower	Upper
164	100		
162	99.4	76.5	114.7
160	48.9	37.4	56.2

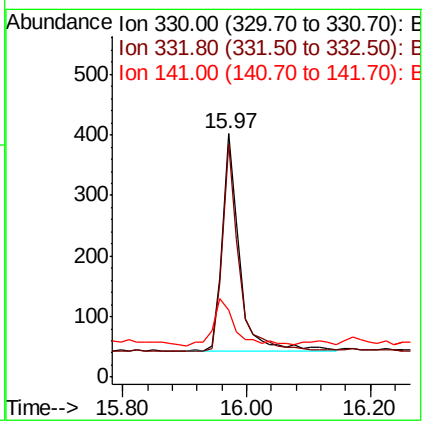


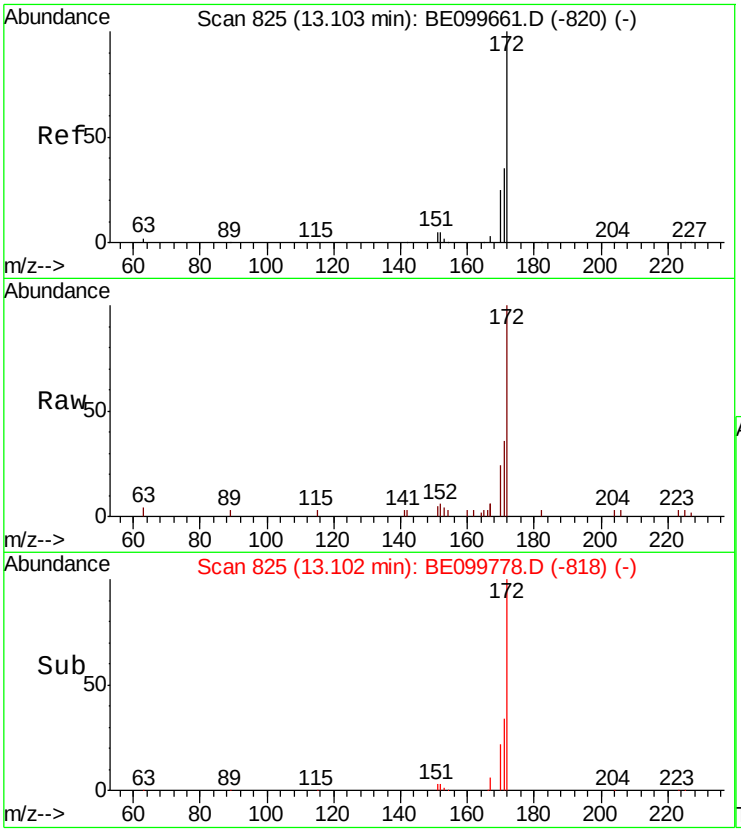


#14
2,4,6-Tribromophenol
Concen: 0.405 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:330 Resp: 680

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	27.5	18.9	28.3



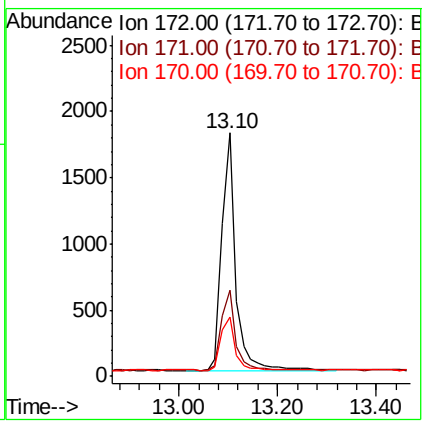


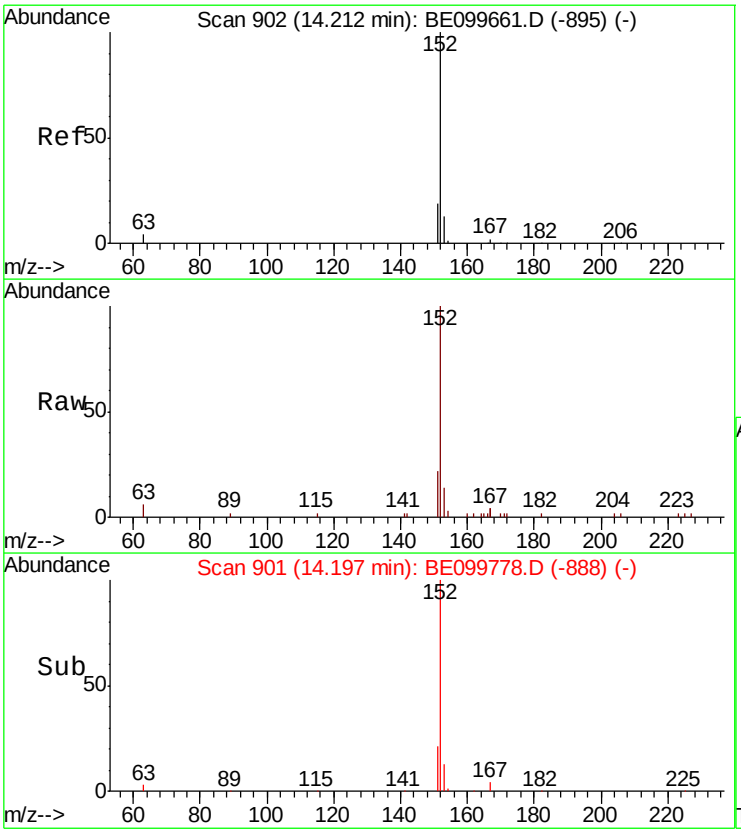
#15
2-Fluorobiphenyl
Concen: 0.280 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:172 Resp: 3471

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	24.3	20.9	31.3

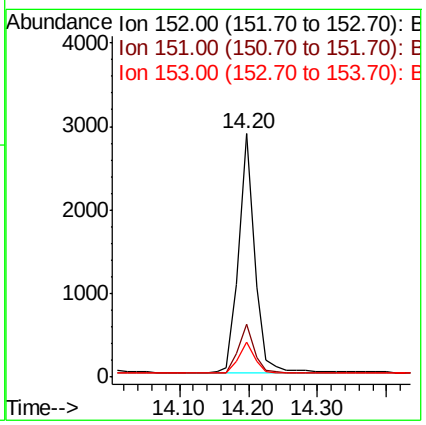


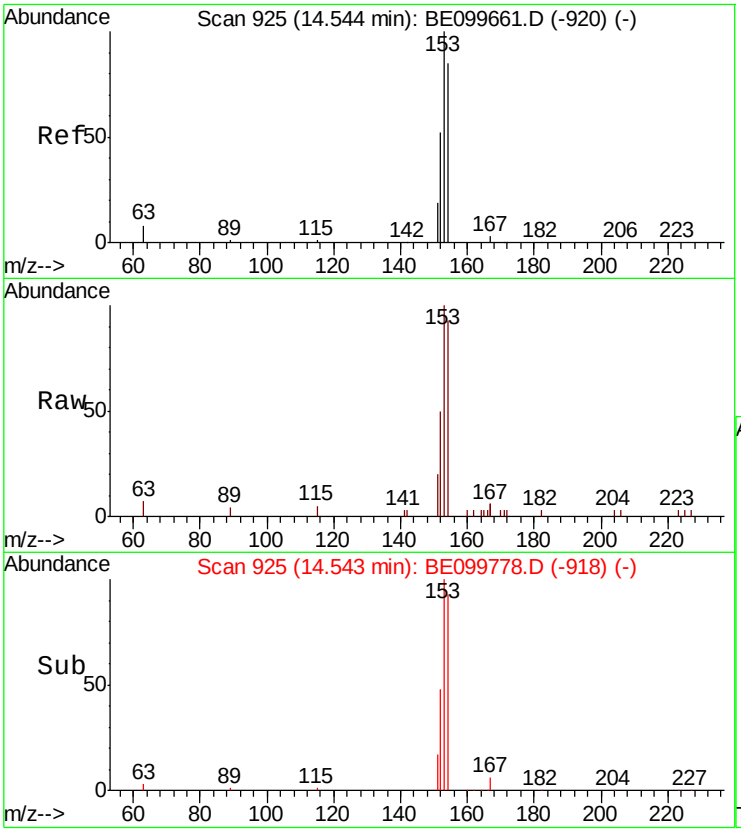


#16
Acenaphthylene
Concen: 0.304 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:152 Resp: 4627

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.0	10.6	16.0



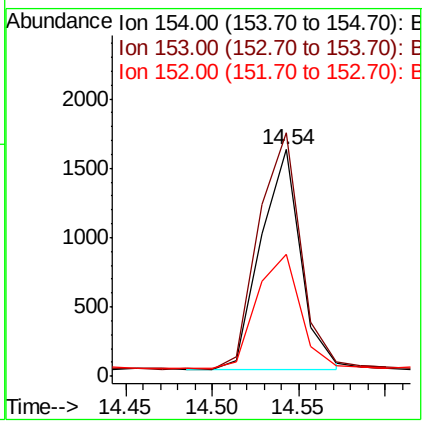


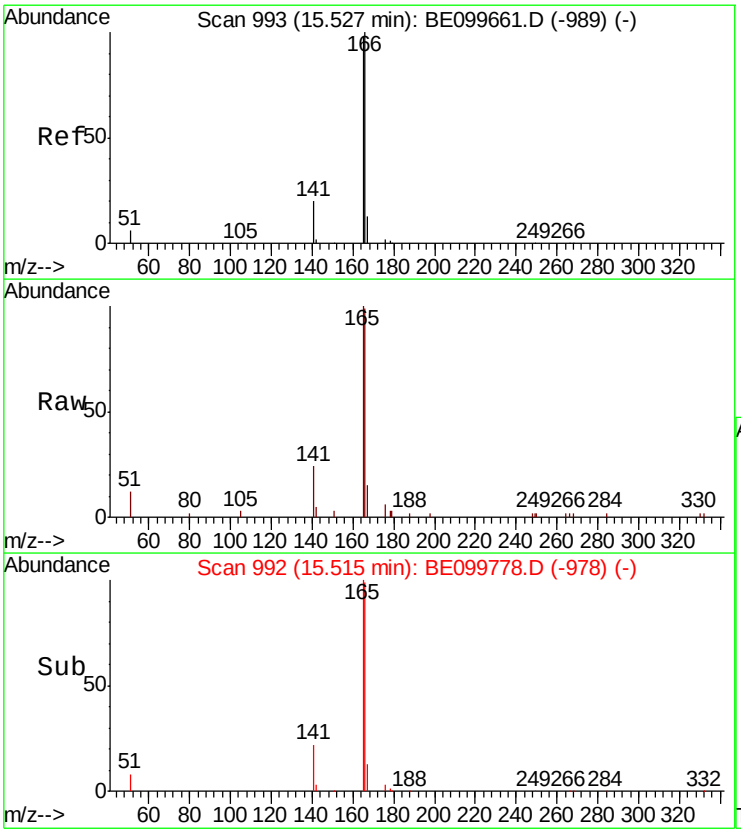
#17
Acenaphthene
Concen: 0.299 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:154 Resp: 2556

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.8	137.6
152	56.5	46.0	69.0

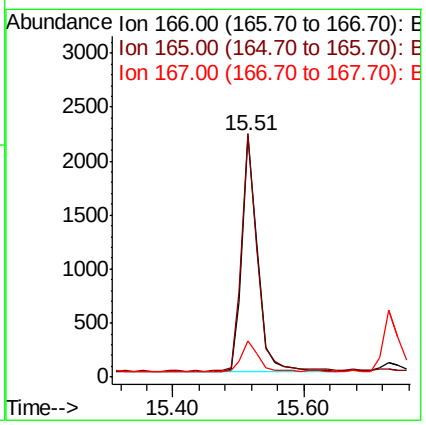


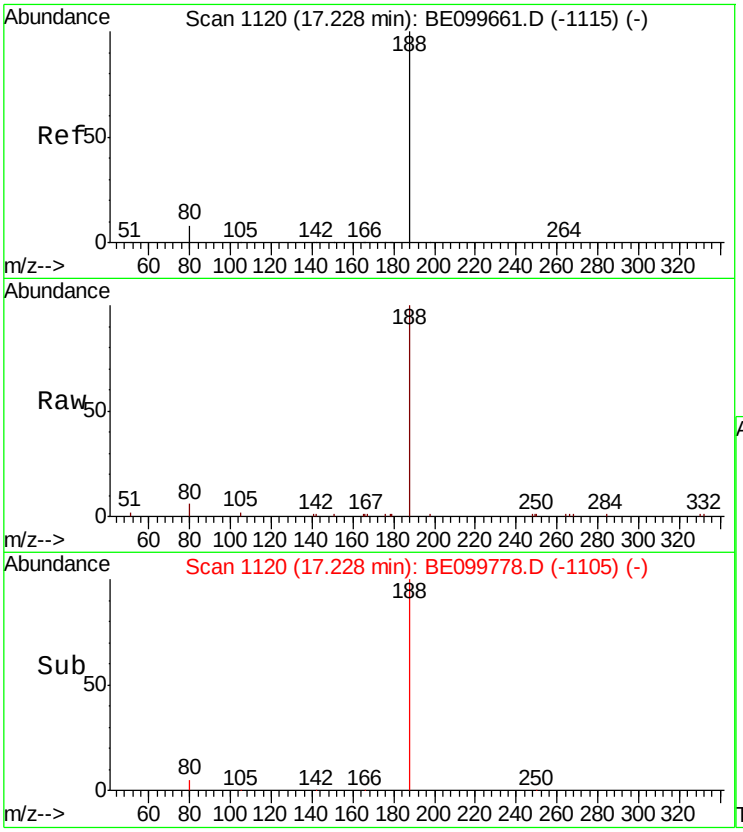


#18
Fluorene
Concen: 0.287 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:166 Resp: 3605

Ion	Ratio	Lower	Upper
166	100		
165	101.5	80.3	120.5
167	13.6	10.6	16.0



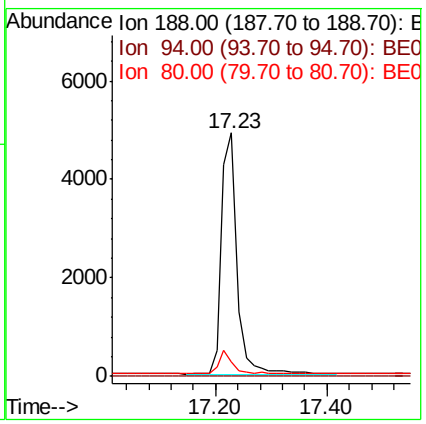


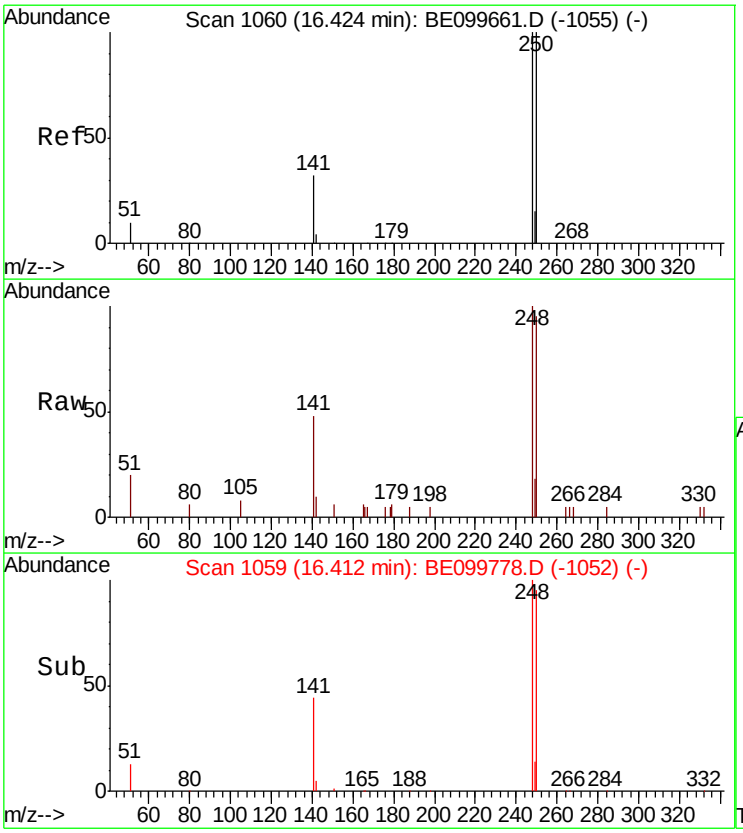
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:188 Resp: 9564

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.1	6.7	10.1#

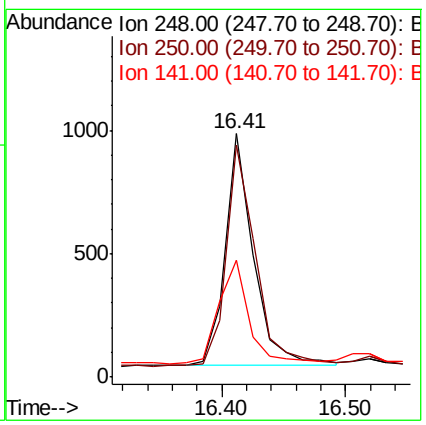


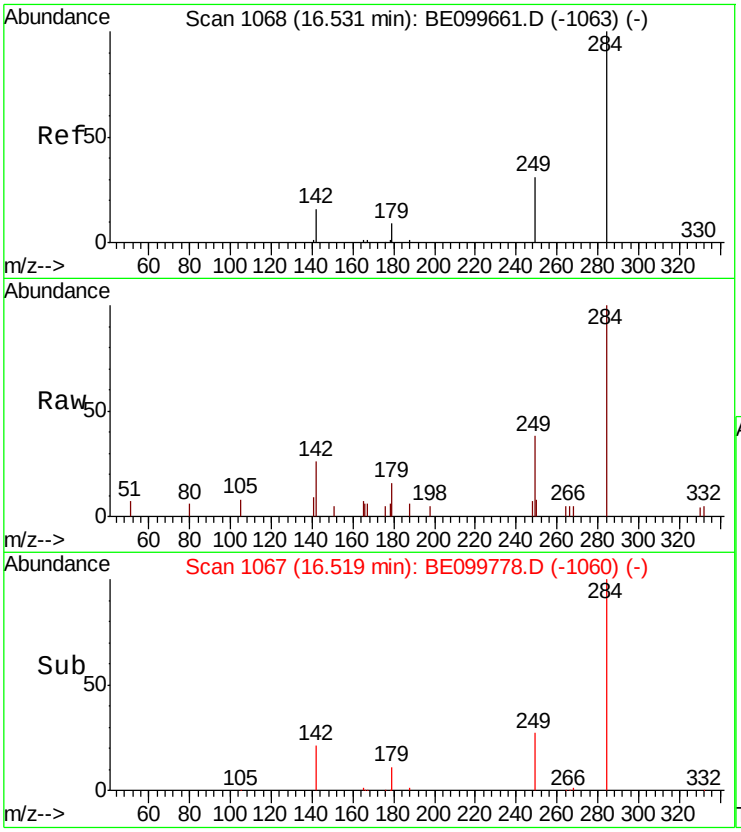


#20
4-Bromophenyl-phenylether
Concen: 0.271 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:248 Resp: 1496

Ion	Ratio	Lower	Upper
248	100		
250	95.2	79.8	119.8
141	48.1	27.0	40.6#



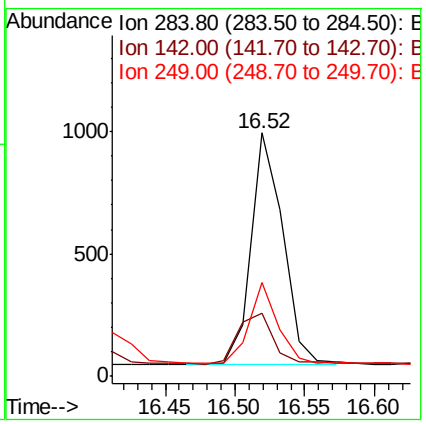


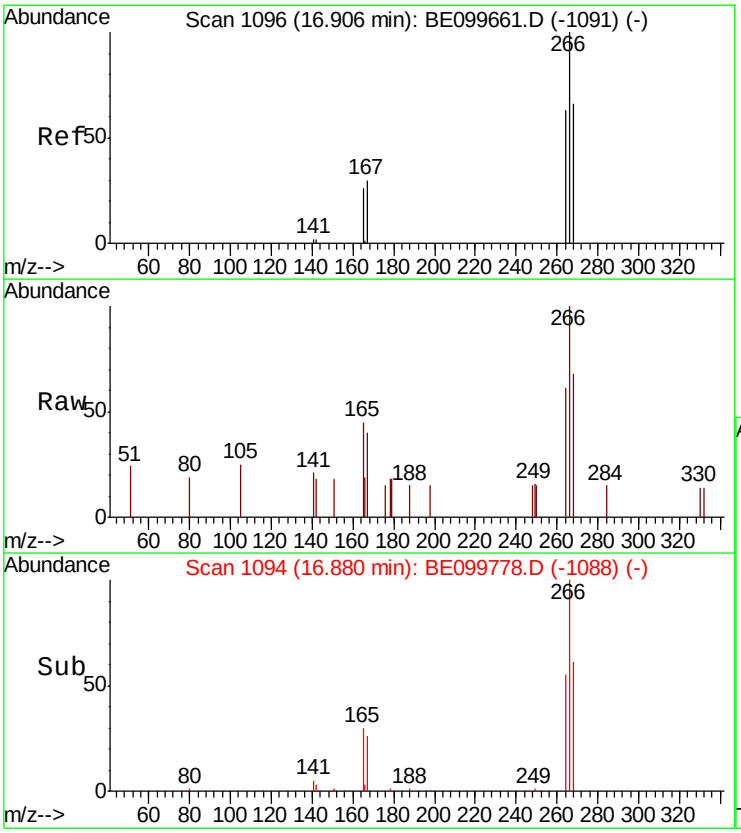
#21
Hexachlorobenzene
Concen: 0.267 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:284 Resp: 1509

Ion	Ratio	Lower	Upper
284	100		
142	24.3	17.8	26.6
249	30.9	24.8	37.2

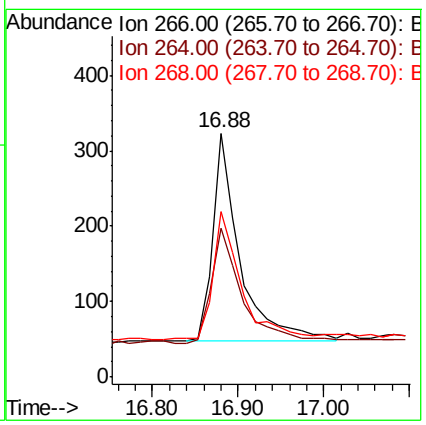


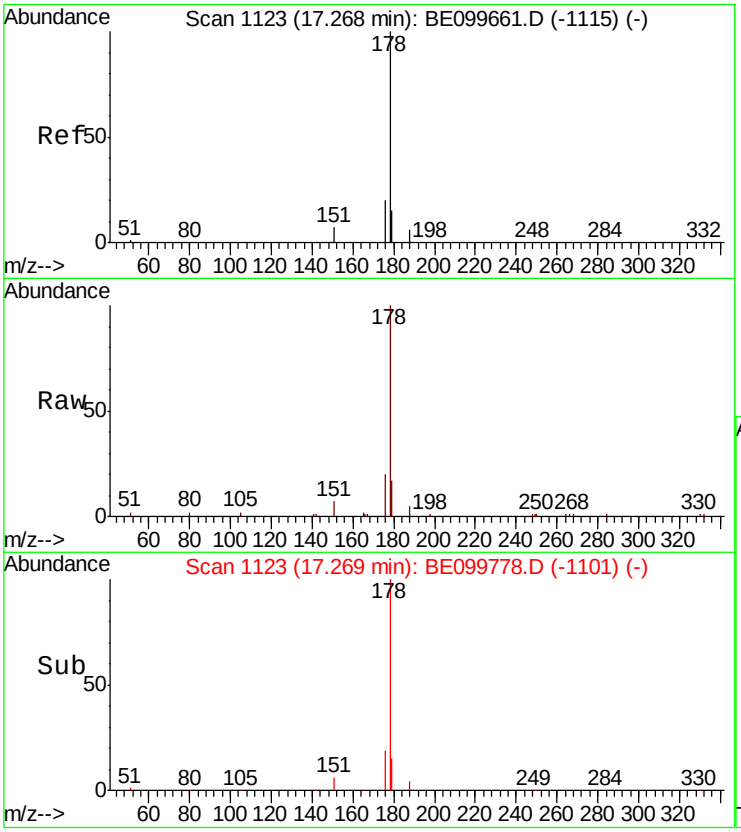


#22
Pentachlorophenol
Concen: 0.525 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:266 Resp: 607

Ion	Ratio	Lower	Upper
266	100		
264	61.0	57.2	85.8
268	67.8	60.5	90.7



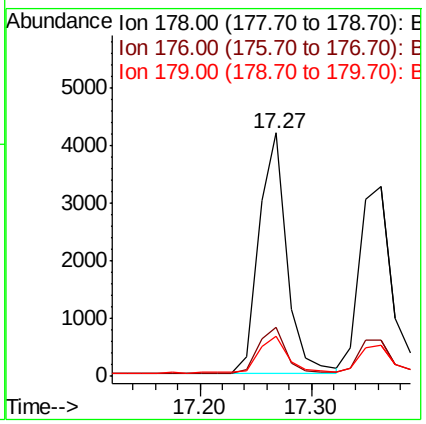


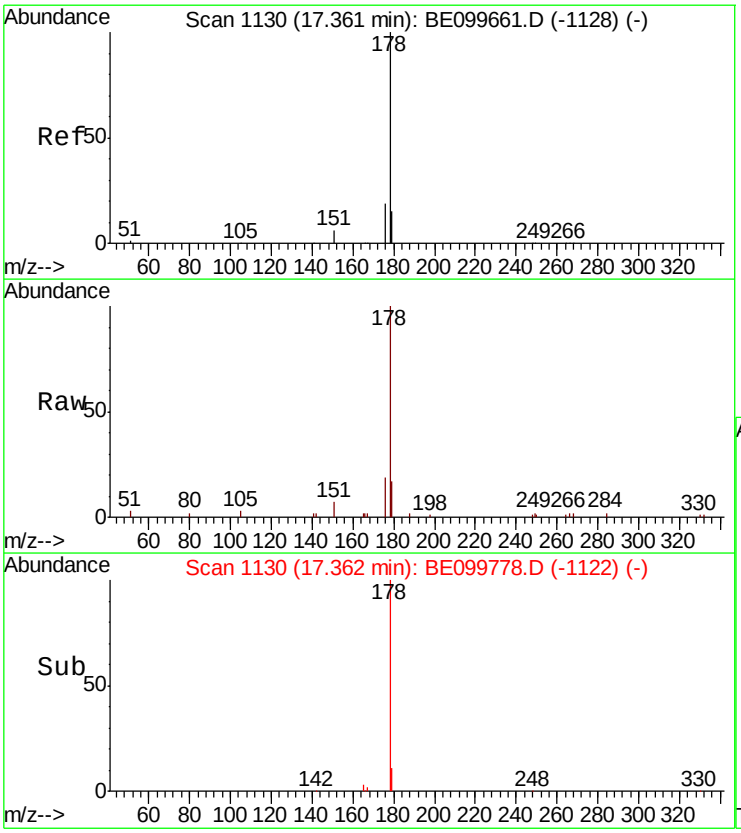
#23
Phenanthrene
Concen: 0.312 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:178 Resp: 7282

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	16.6	12.2	18.4

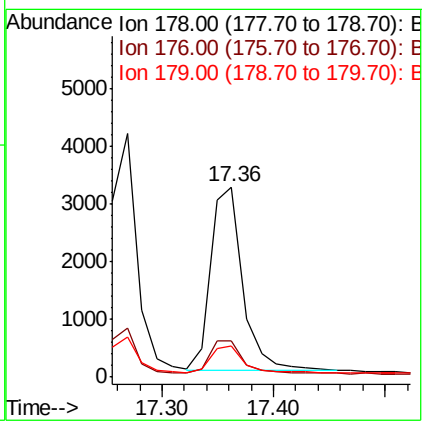


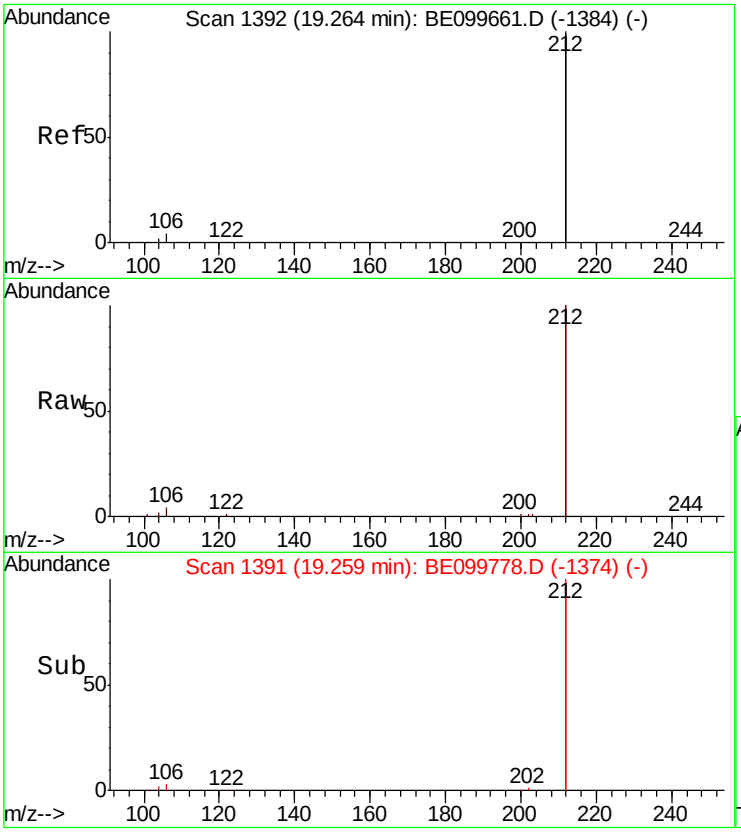


#24
Anthracene
Concen: 0.299 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:178 Resp: 6336

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.0	12.0	18.0



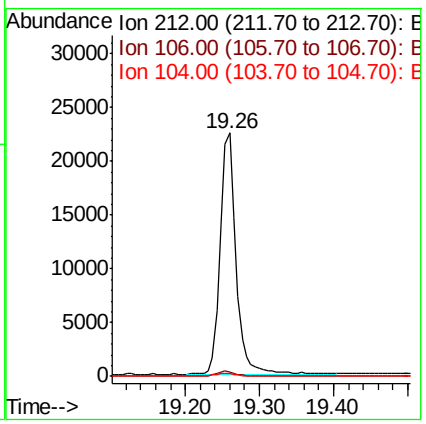


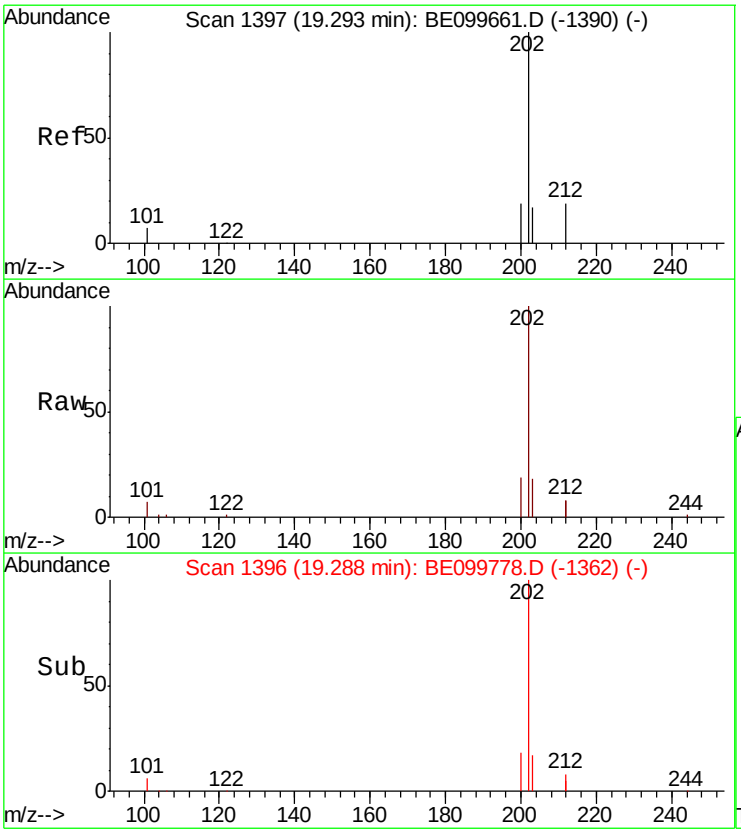
#25
Fluoranthene-d10
Concen: 0.256 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:212 Resp: 33415

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.8	1.2

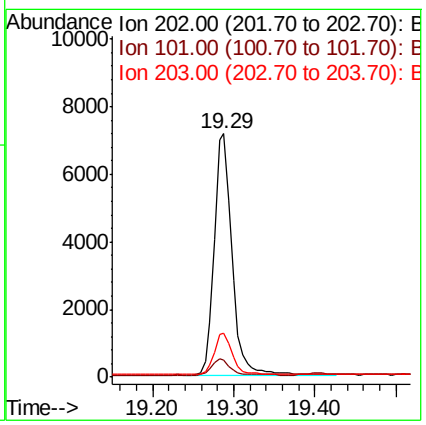


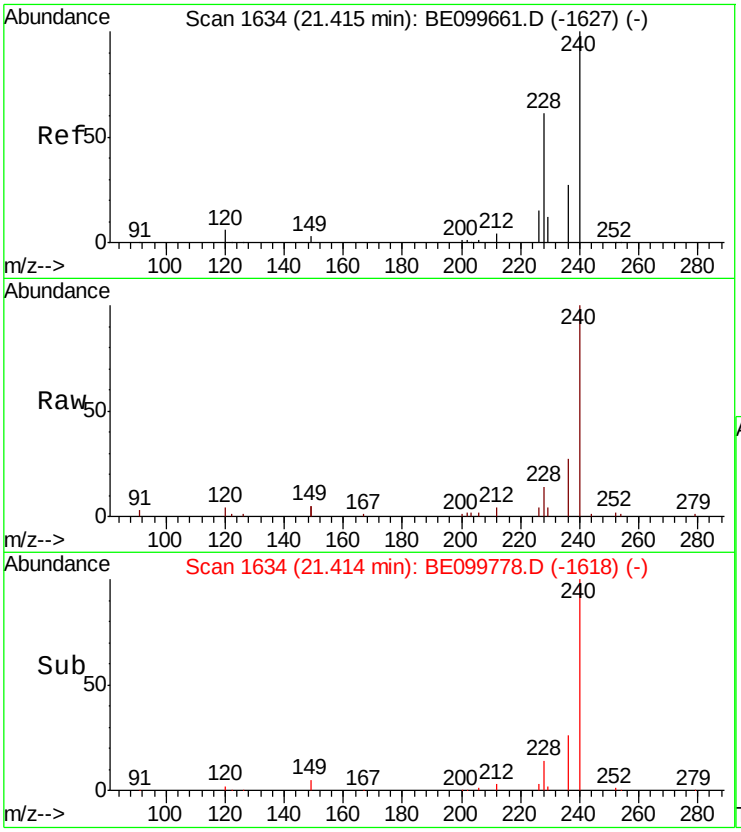


#26
Fluoranthene
Concen: 0.294 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:202 Resp: 10852

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.2	7.8
203	16.9	13.8	20.6



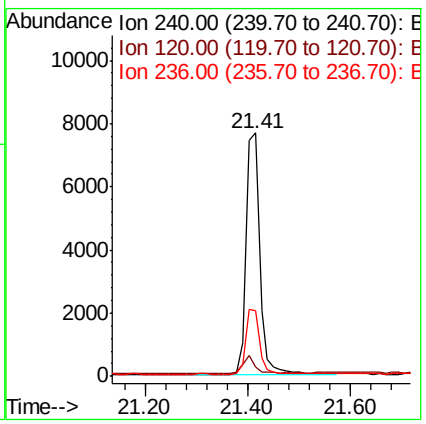


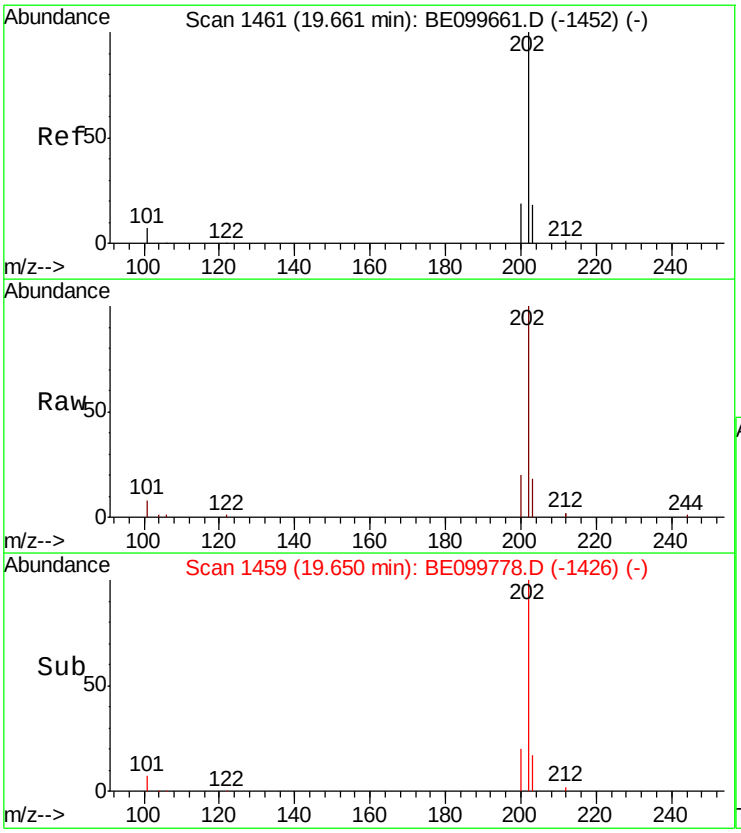
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:240 Resp: 14128

Ion	Ratio	Lower	Upper
240	100		
120	3.6	5.4	8.0#
236	27.0	21.7	32.5

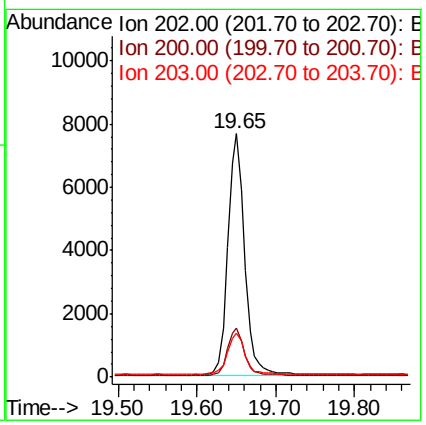


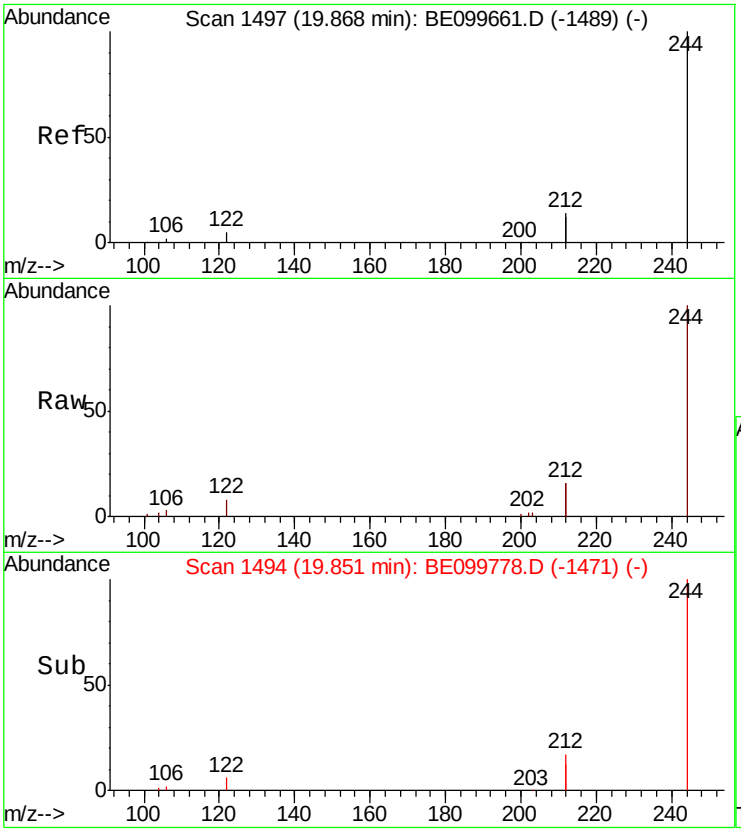


#28
Pyrene
Concen: 0.320 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:202 Resp: 11349

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.4	23.2
203	18.2	13.8	20.8



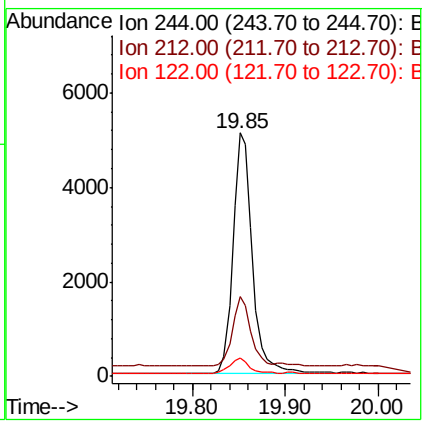


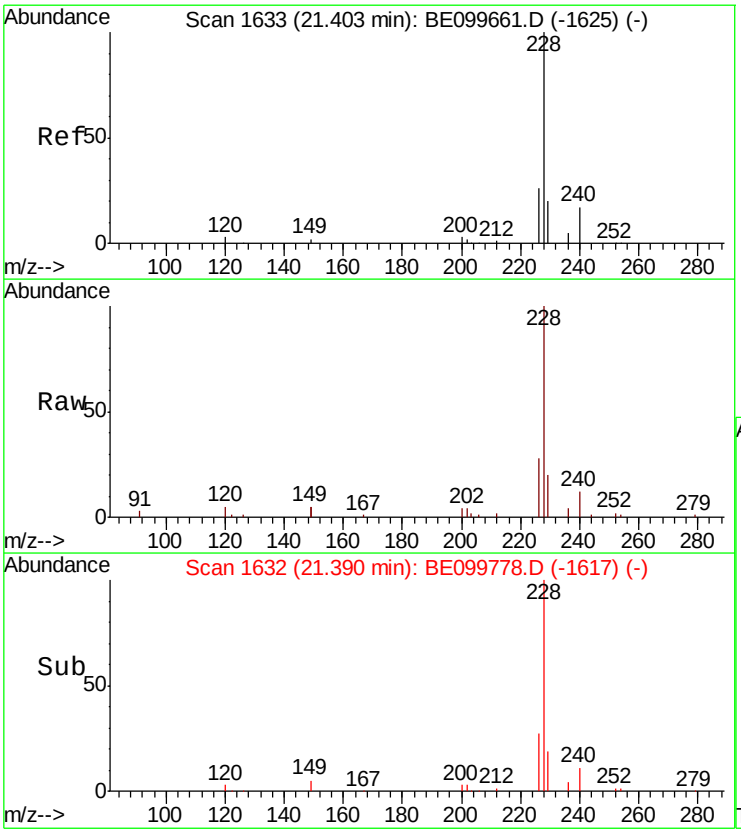
#29
Terphenyl-d14
Concen: 0.296 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:244 Resp: 7457

Ion	Ratio	Lower	Upper
244	100		
212	32.7	22.5	33.7
122	7.6	4.3	6.5#

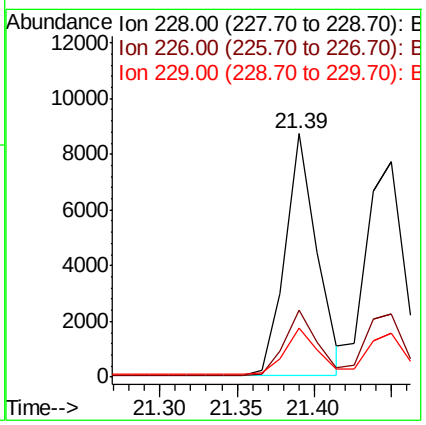


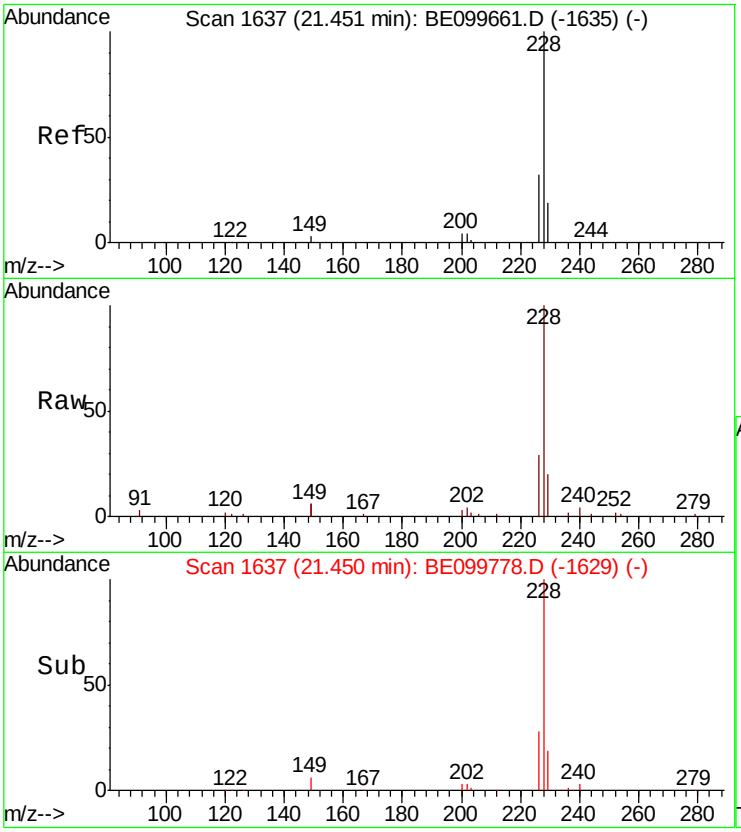


#30
Benzo(a)anthracene
Concen: 0.311 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:228 Resp: 12501

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.3	31.9
229	20.2	16.1	24.1



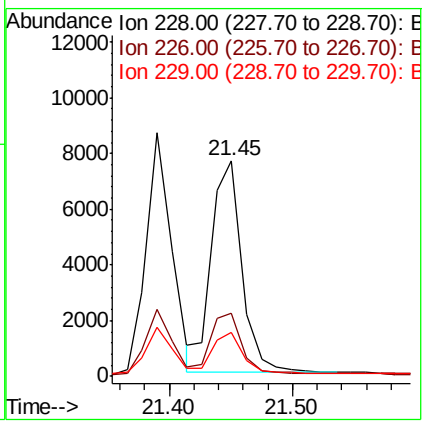


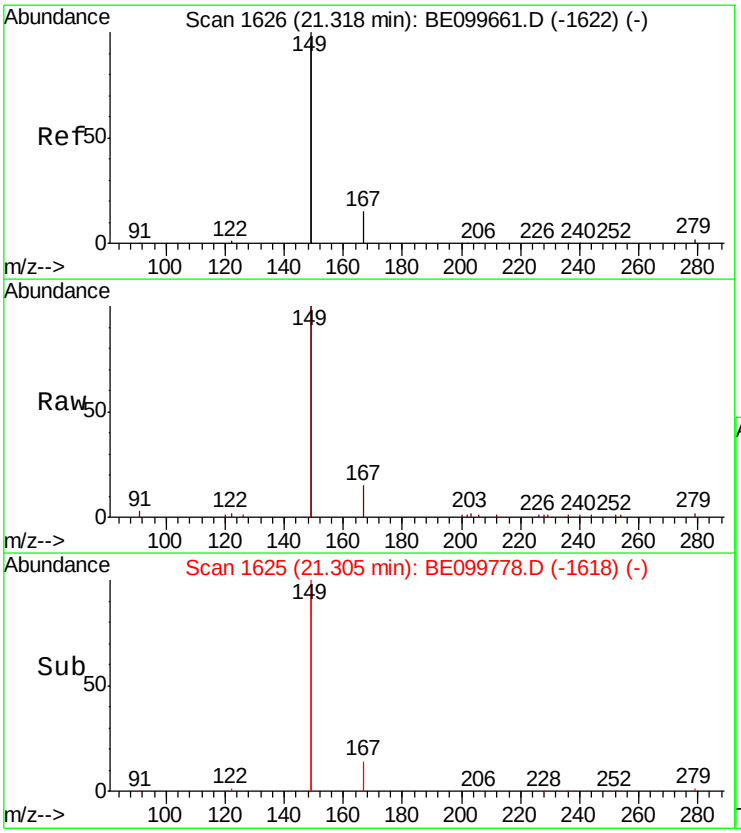
#31
Chrysene
Concen: 0.308 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:228 Resp: 13234

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.7	37.1
229	20.1	15.8	23.6

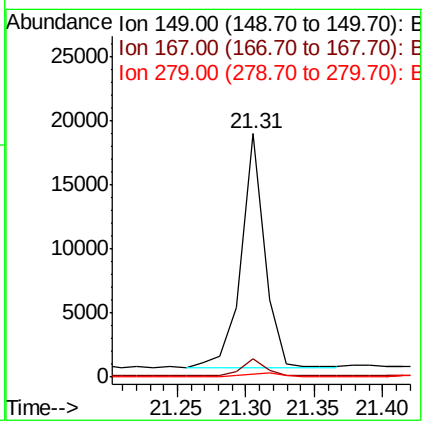


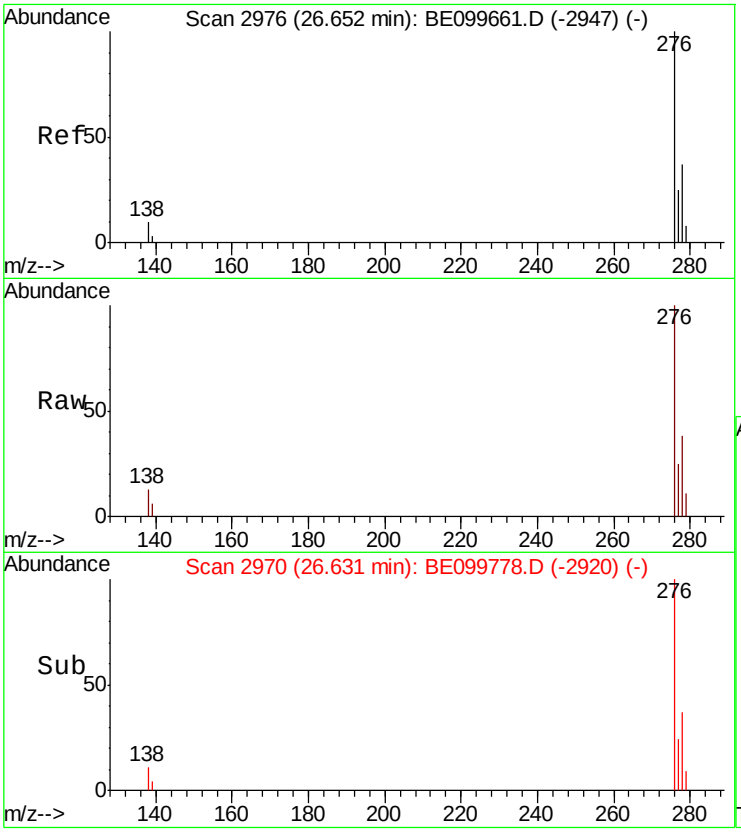


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.468 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:149 Resp: 21671

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.2	9.4
279	1.5	1.2	1.8



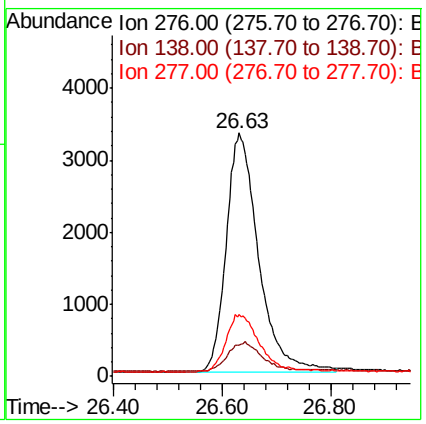


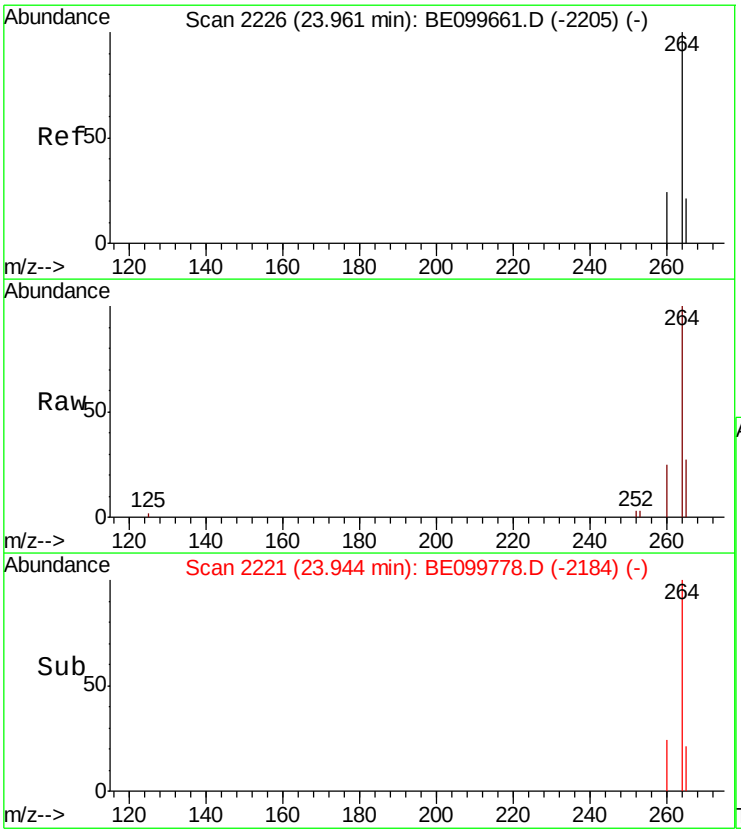
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.267 ng
RT: 26.63 min Scan# 2970
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:276 Resp: 13828

Ion	Ratio	Lower	Upper
276	100		
138	12.6	9.6	14.4
277	24.1	19.2	28.8

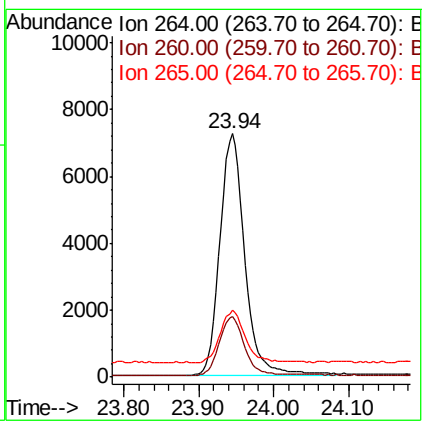


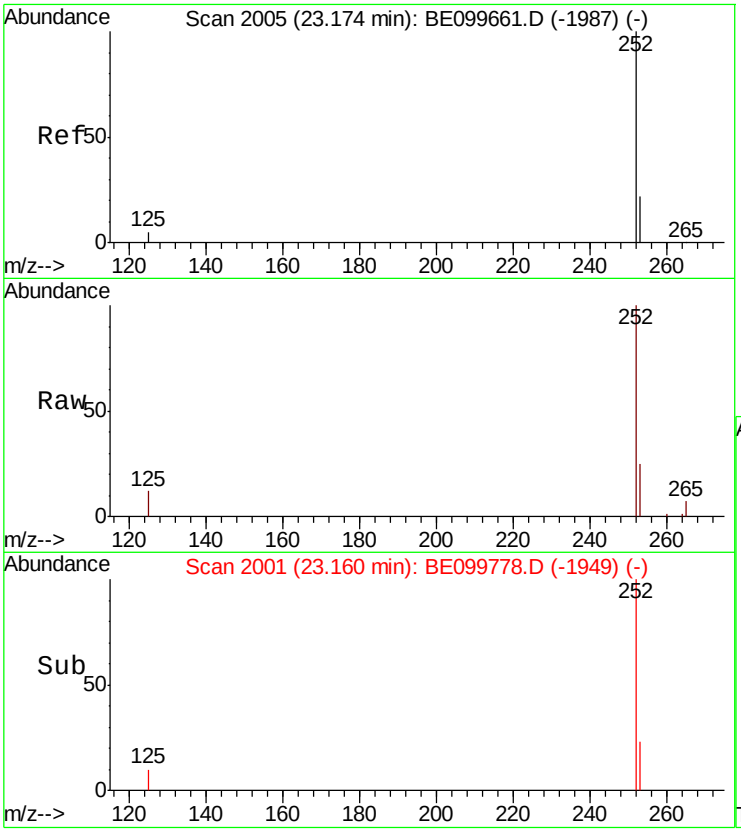


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:264 Resp: 16535

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	27.4	19.1	28.7



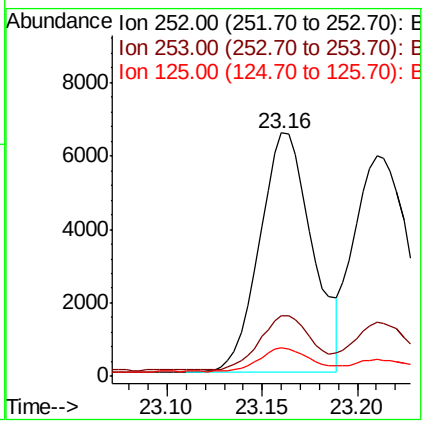


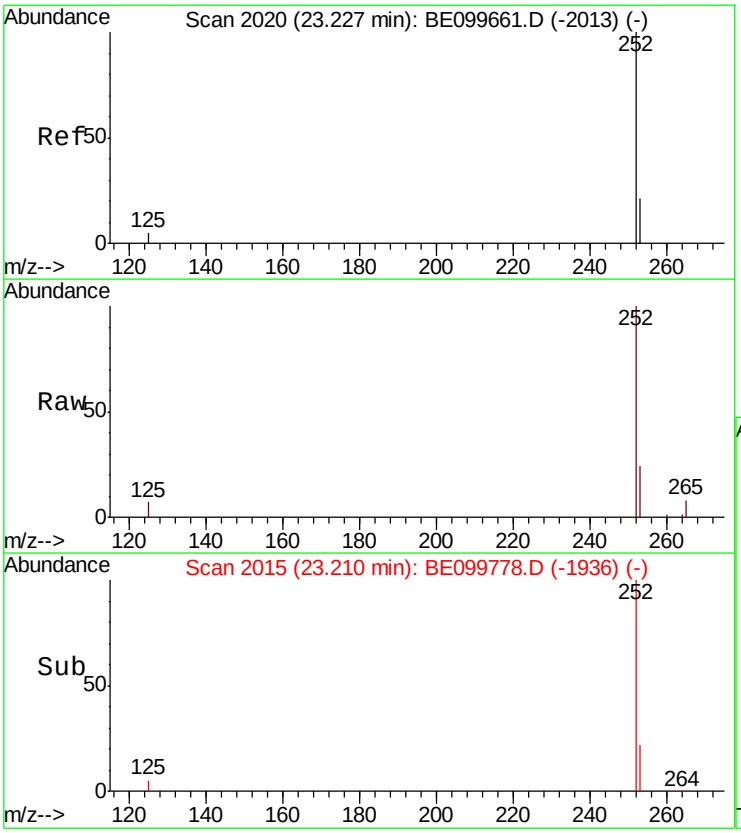
#35
Benzo(b)fluoranthene
Concen: 0.277 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:252 Resp: 12562

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	11.6	4.5	6.7#

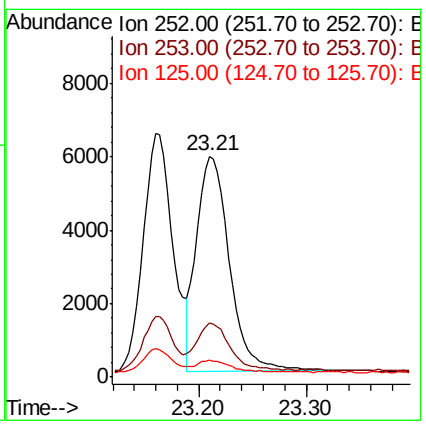


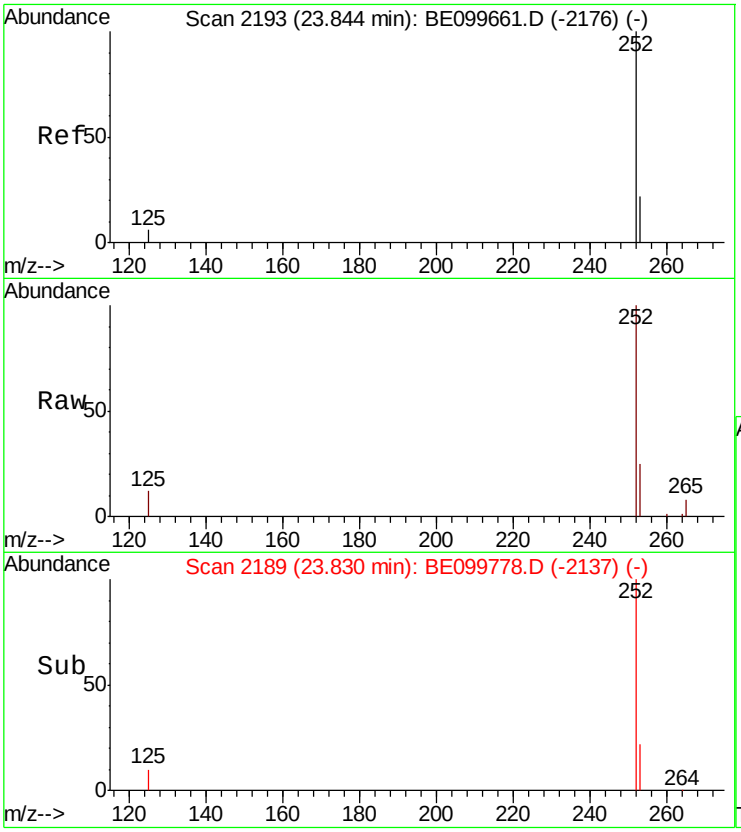


#36
Benzo(k)fluoranthene
Concen: 0.265 ng
RT: 23.21 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:252 Resp: 12504

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	7.4	4.6	6.8#



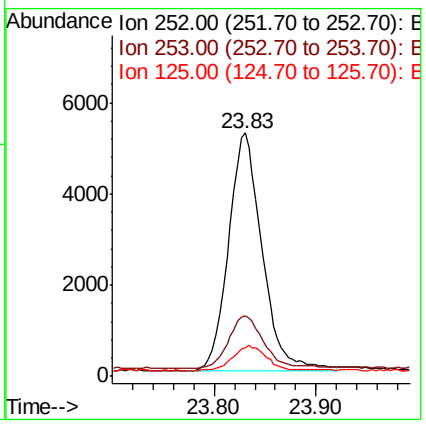


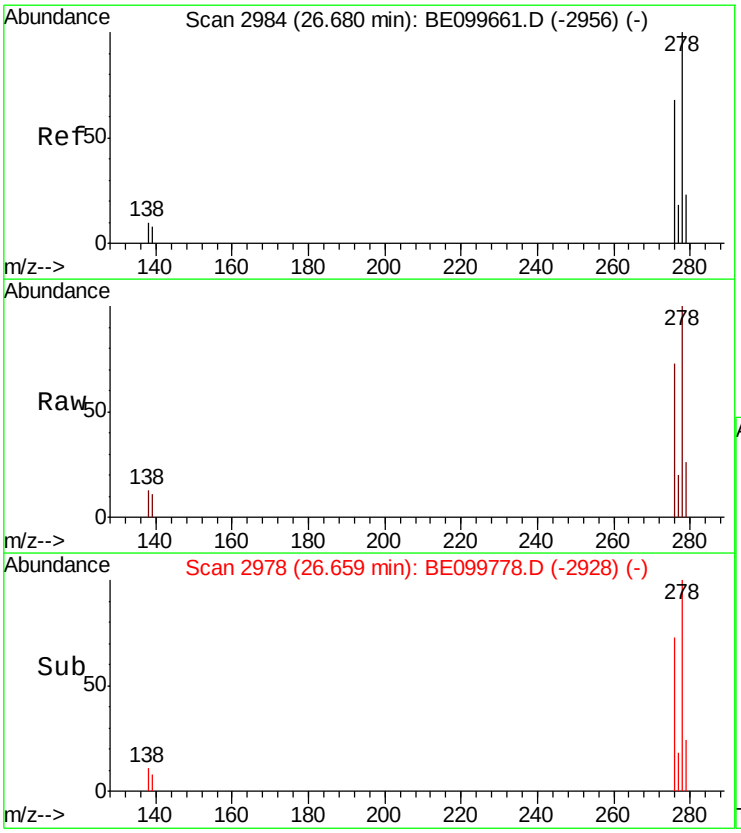
#37
Benzo(a)pyrene
Concen: 0.275 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:252 Resp: 12001

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.9	28.3
125	11.8	5.4	8.0#

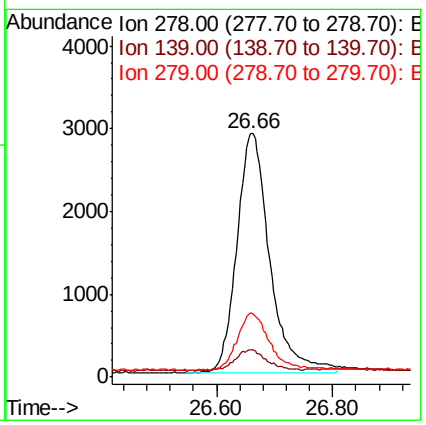


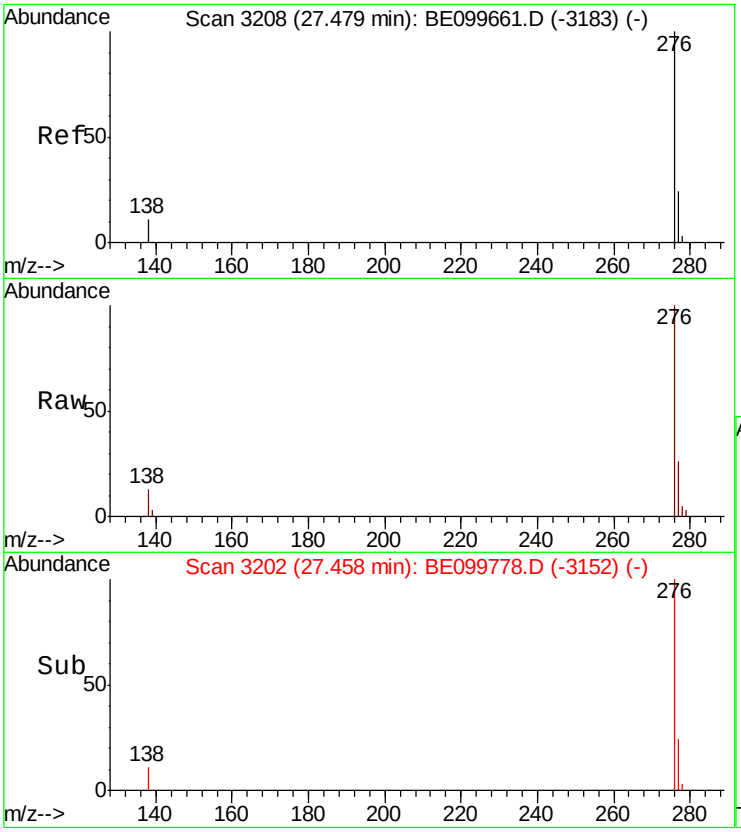


#38
Dibenzo(a,h)anthracene
Concen: 0.249 ng
RT: 26.66 min Scan# 2978
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:278 Resp: 11389

Ion	Ratio	Lower	Upper
278	100		
139	11.4	6.9	10.3#
279	26.4	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.252 ng
RT: 27.46 min Scan# 3202
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tgt Ion:276 Resp: 11651

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.8	29.6
138	13.2	9.2	13.8