Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099743.D
Acq On : 24 May 2019 15:34
Operator : JU/SJ
Sample : K3010-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FESB-23(3-3.5)MS

Manual Integrations APPROVED
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Quant Time: May 24 21:55:25 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	7.81	152	1135	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	3783	0.40	ng		-0.01
13) Acenaphthene-d10	14.47	164	2638	0.40	ng		-0.01
19) Phenanthrene-d10	17.21	188	8144	0.40	ng		-0.01
27) Chrysene-d12	21.40	240	13646	0.40	ng		-0.01
34) Perylene-d12	23.94	264	16565	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	1350	0.47	ng		-0.01
5) Phenol-d6	6.96	99	1855	0.49	ng		-0.01
8) Nitrobenzene-d5	8.96	82	1354	0.41	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2471m	0.38	ng		-0.01
14) 2,4,6-Tribromophenol	15.97	330	789	0.52	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	3690	0.37	ng		0.00
25) Fluoranthene-d10	19.25	212	43601	0.39	ng		-0.01
29) Terphenyl-d14	19.85	244	9501	0.39	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	550	0.327	ng	#	57
3) n-Nitrosodimethylamine	3.60	42	439	0.473	ng	#	93
6) bis(2-Chloroethyl)ether	7.22	93	1336	0.396	ng		96
9) Naphthalene	10.65	128	16653	0.412	ng		99
10) Hexachlorobutadiene	10.93	225	1172	0.393	ng		99
12) 2-Methylnaphthalene	12.28	142	2704	0.410	ng		97
16) Acenaphthylene	14.20	152	5028	0.409	ng		100
17) Acenaphthene	14.54	154	2849	0.413	ng		97
18) Fluorene	15.51	166	4061	0.400	ng		98
20) 4-Bromophenyl-phenylether	16.41	248	1790	0.381	ng		97
21) Hexachlorobenzene	16.52	284	1790	0.373	ng		97
22) Pentachlorophenol	16.88	266	1811	1.272	ng		91
23) Phenanthrene	17.27	178	7896	0.397	ng		98
24) Anthracene	17.35	178	7425	0.411	ng		99
26) Fluoranthene	19.28	202	13087	0.416	ng		99
28) Pyrene	19.65	202	14053	0.410	ng		99
30) Benzo(a)anthracene	21.39	228	18476	0.476	ng		99
31) Chrysene	21.44	228	18355	0.443	ng		99
32) Bis(2-ethylhexyl)phthalate	21.31	149	31461	0.704	ng		99
33) Indeno(1,2,3-cd)pyrene	26.63	276	23006	0.460	ng		99
35) Benzo(b)fluoranthene	23.16	252	19532m	0.430	ng		
36) Benzo(k)fluoranthene	23.21	252	19433	0.411	ng		98
37) Benzo(a)pyrene	23.83	252	18906	0.433	ng	#	98
38) Dibenzo(a,h)anthracene	26.65	278	19283	0.420	ng		98
39) Benzo(g,h,i)perylene	27.45	276	19588	0.423	ng		100

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

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Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

Manual Integrations APPROVED
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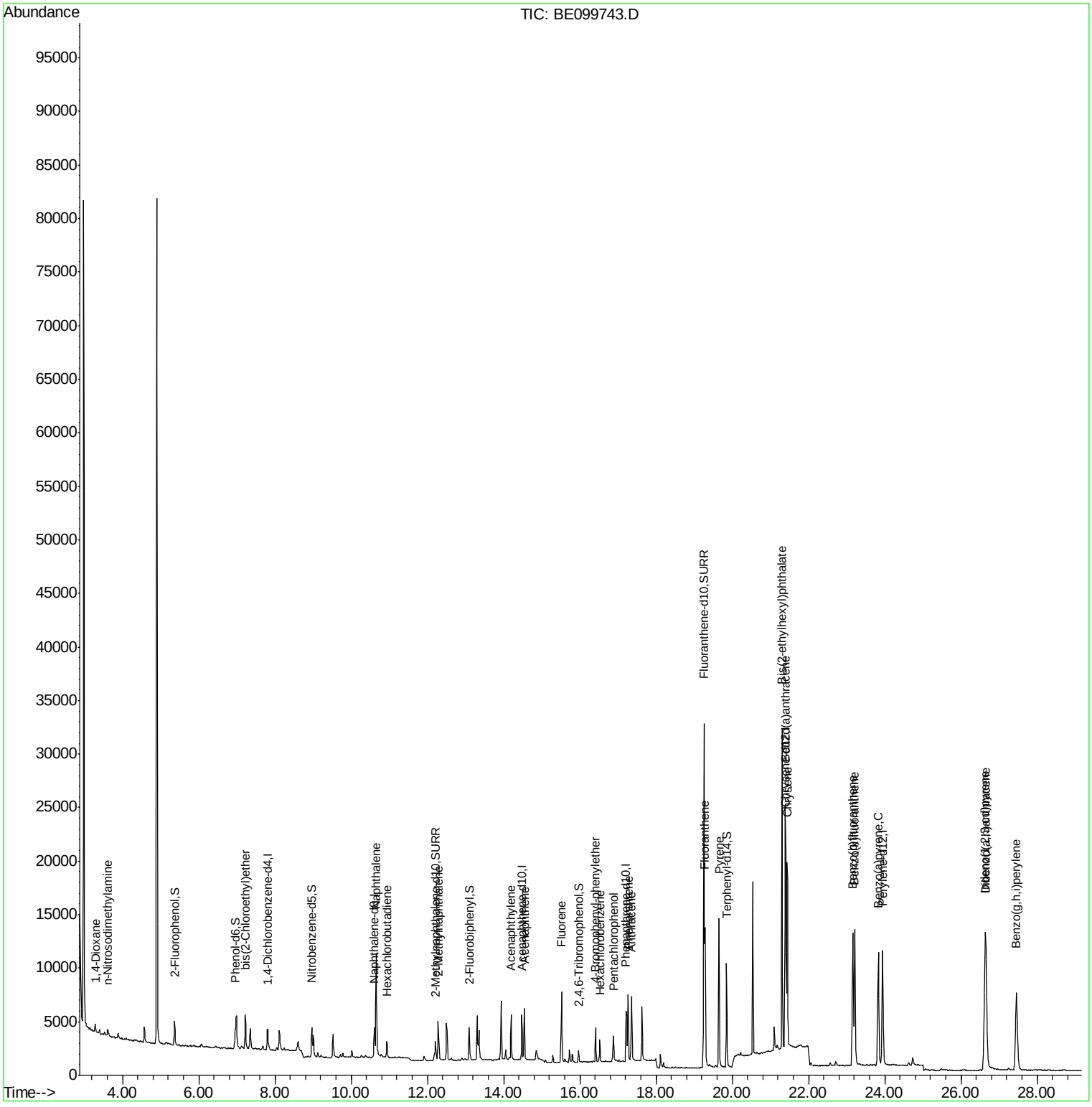
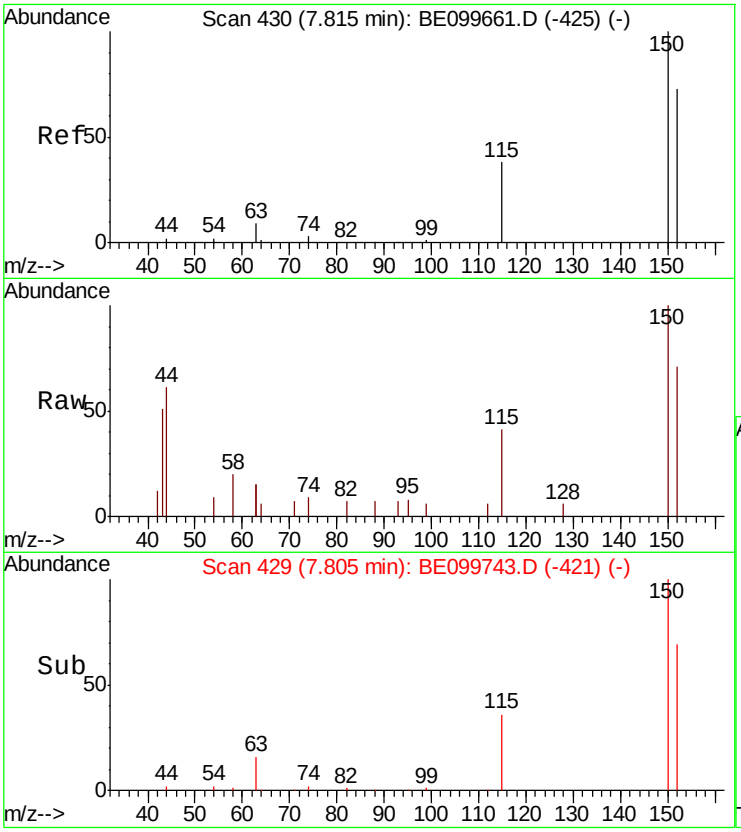
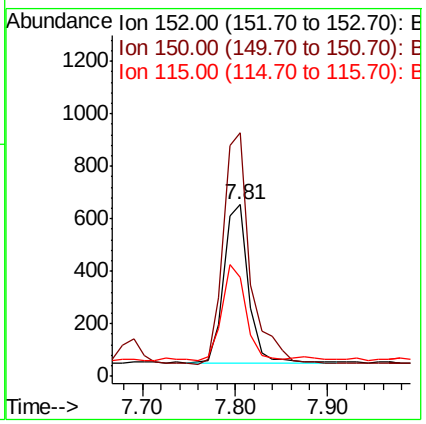




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:152 Resp: 1135

Ion	Ratio	Lower	Upper
152	100		
150	141.7	109.2	163.8
115	57.5	43.7	65.5



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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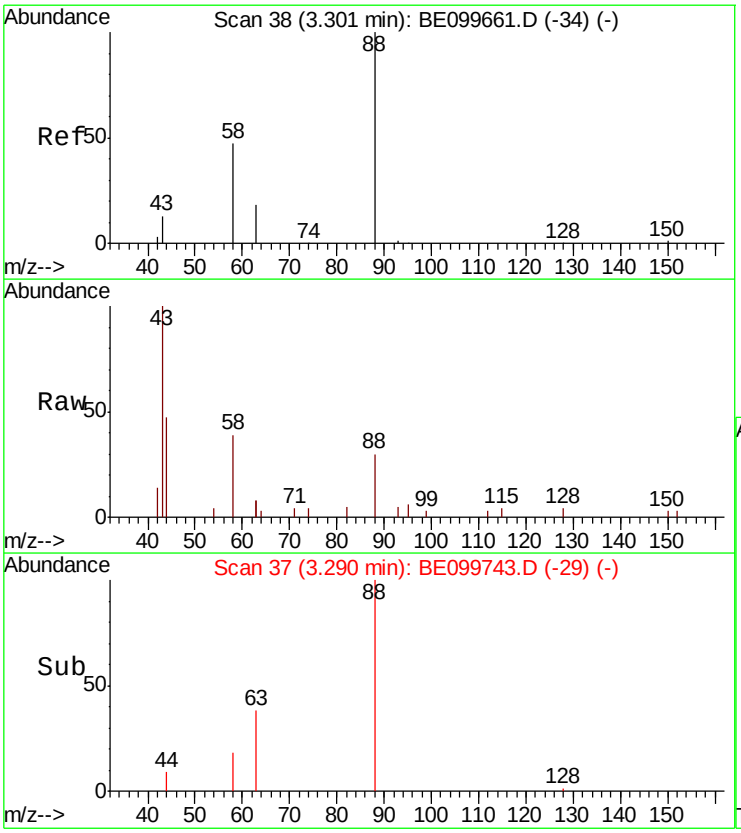
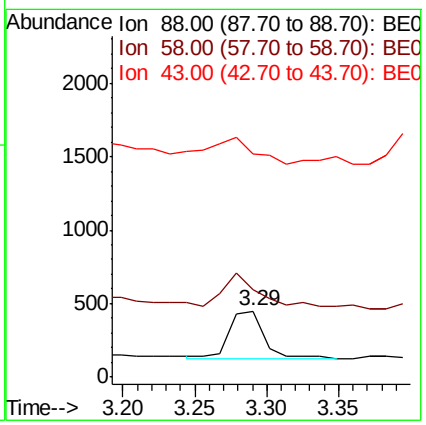
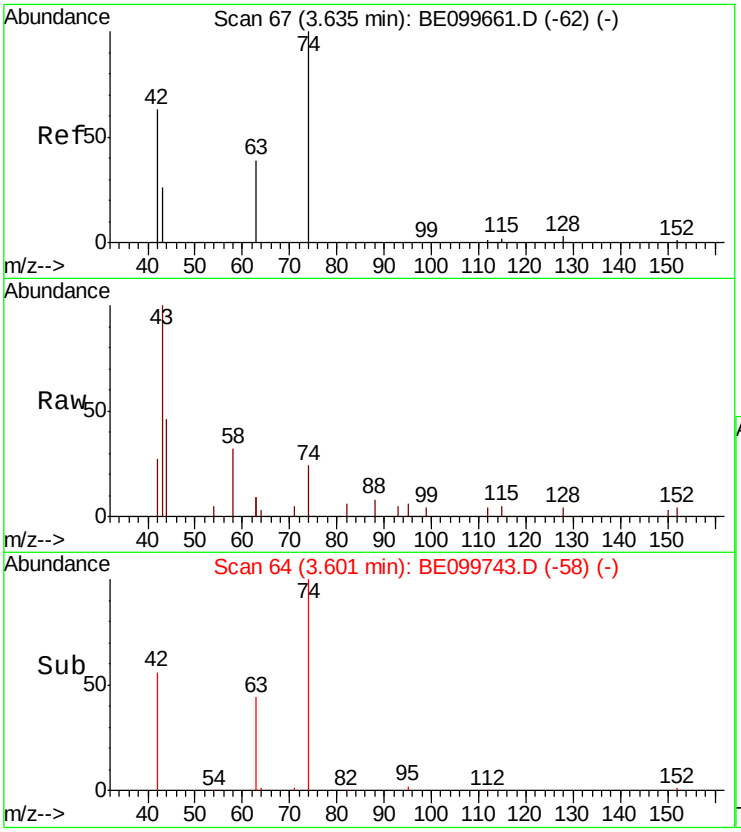


#2
1,4-Dioxane
Concen: 0.327 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion: 88 Resp: 550

Ion	Ratio	Lower	Upper
88	100		
58	64.7	41.8	62.8#
43	69.1	15.0	22.4#

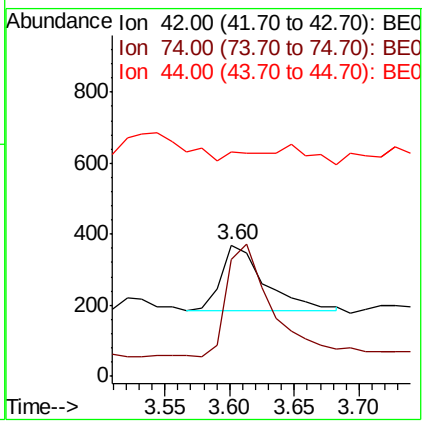




#3
n-Nitrosodimethylamine
Concen: 0.473 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.03 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion: 42 Resp: 439

Ion	Ratio	Lower	Upper
42	100		
74	170.6	129.2	193.8
44	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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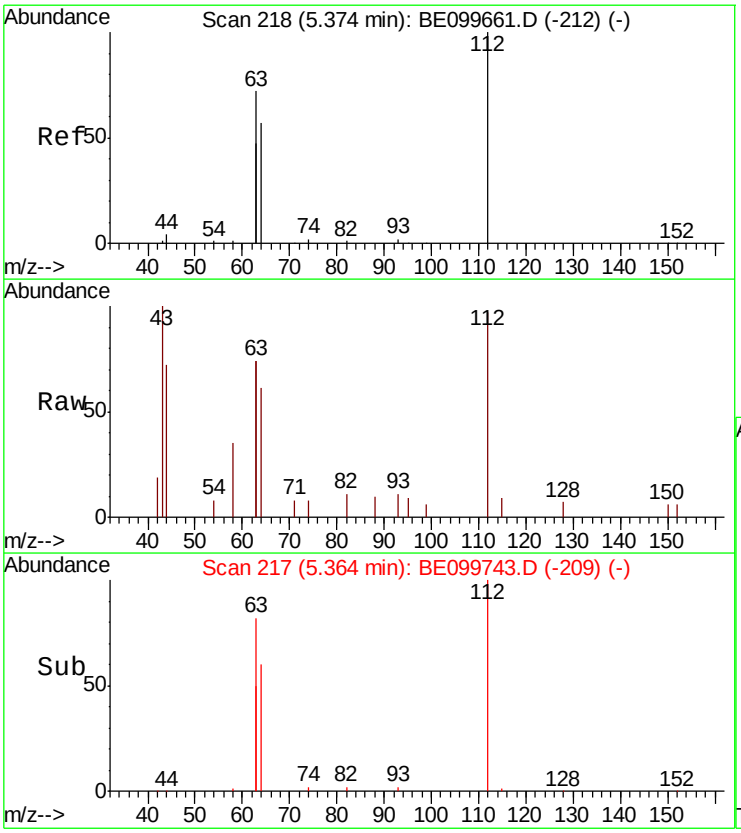
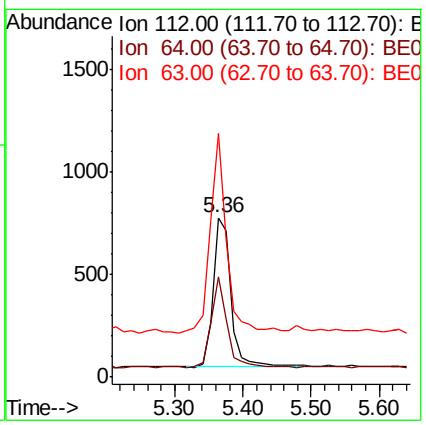
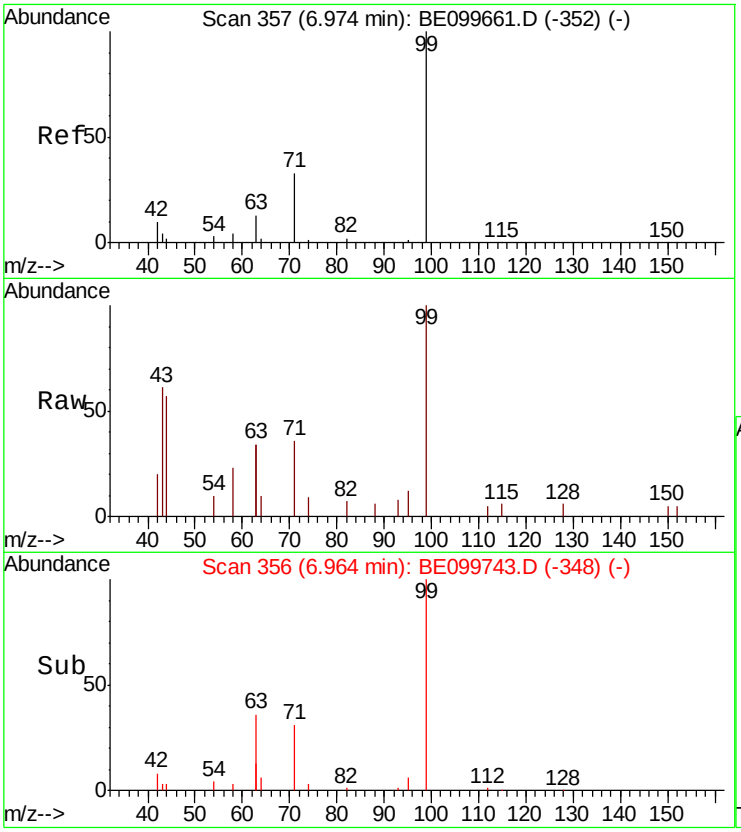


#4
2-Fluorophenol
Concen: 0.471 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:112 Resp: 1350

Ion	Ratio	Lower	Upper
112	100		
64	52.7	43.4	65.2
63	119.6	96.9	145.3

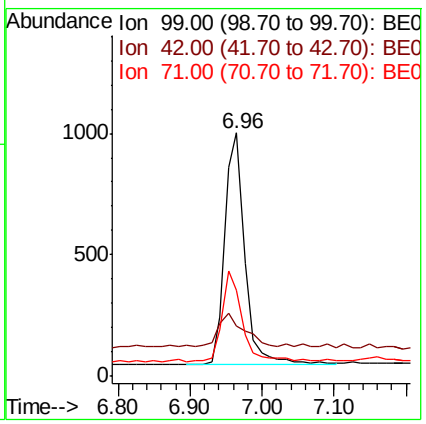




#5
Phenol-d6
Concen: 0.489 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion: 99 Resp: 1855

Ion	Ratio	Lower	Upper
99	100		
42	18.4	12.2	18.2#
71	38.8	28.9	43.3



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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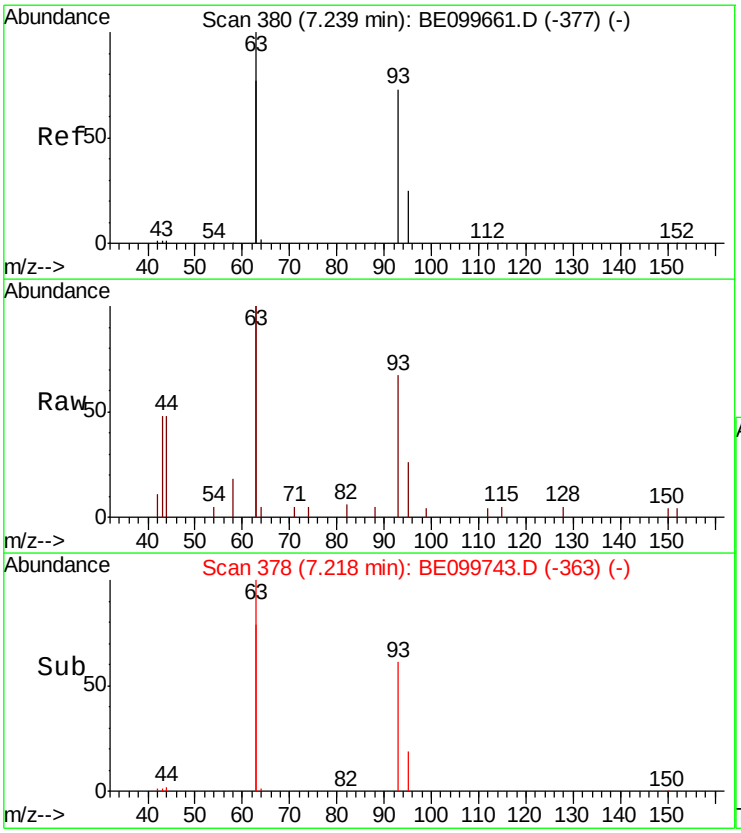
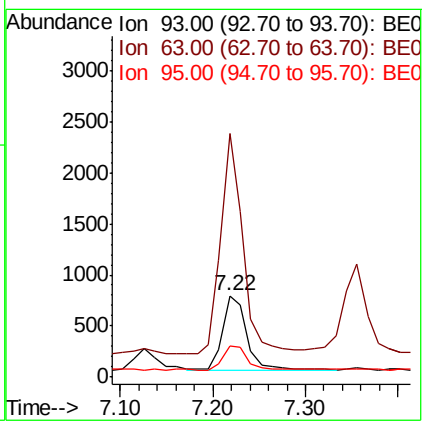
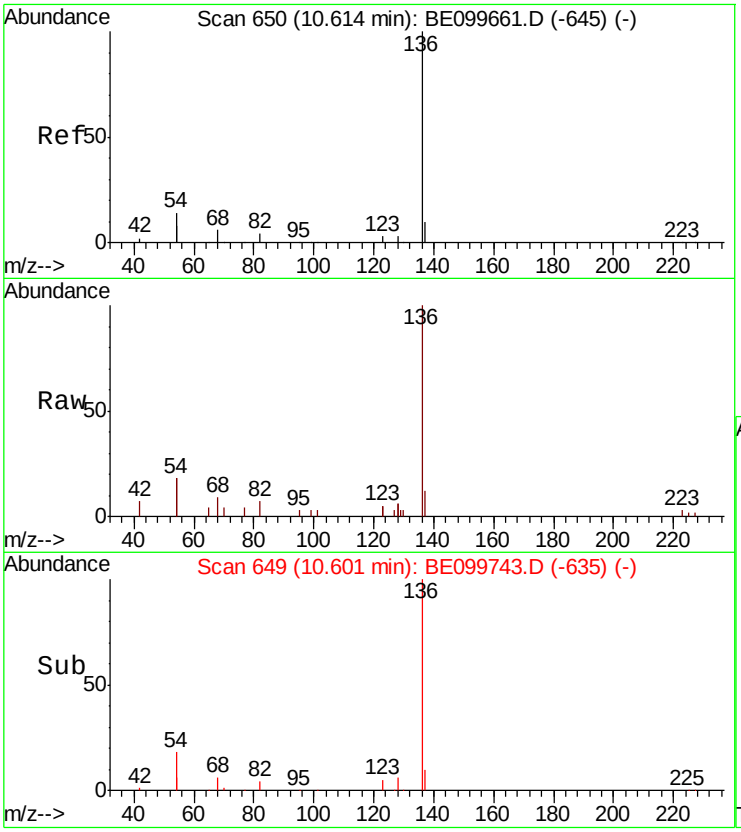


#6
bis(2-Chloroethyl)ether
Concen: 0.396 ng
RT: 7.22 min Scan# 378
Delta R.T. -0.02 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion: 93 Resp: 1336

Ion	Ratio	Lower	Upper
93	100		
63	267.5	207.8	311.6
95	33.6	25.9	38.9

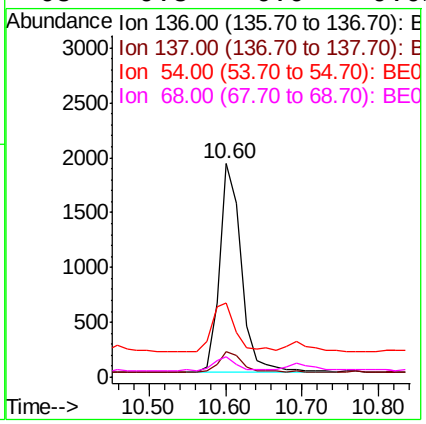




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:136 Resp: 3783

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.0	13.6
54	35.0	22.3	33.5#
68	9.3	6.0	9.0#



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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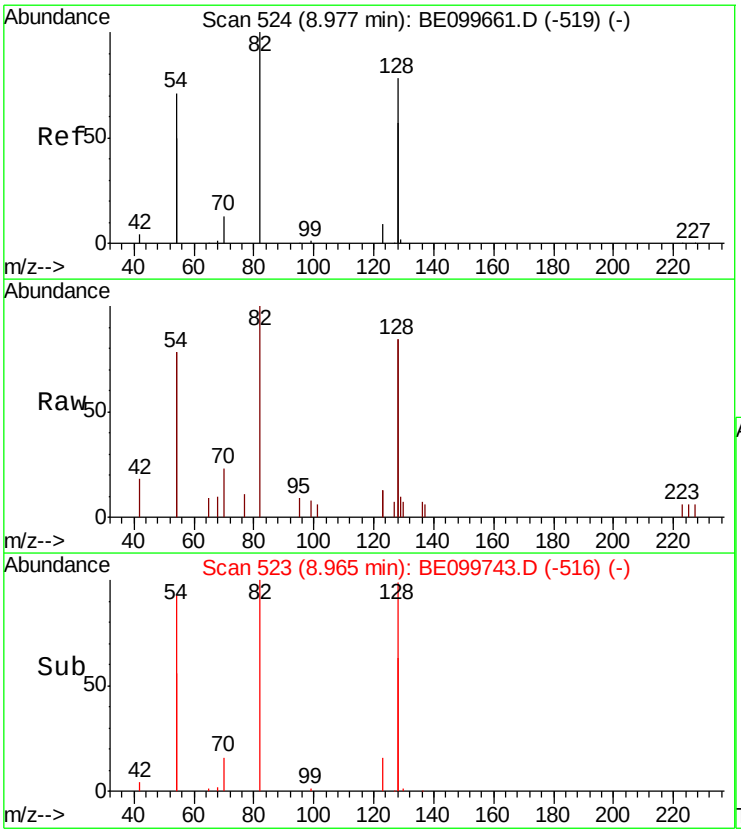
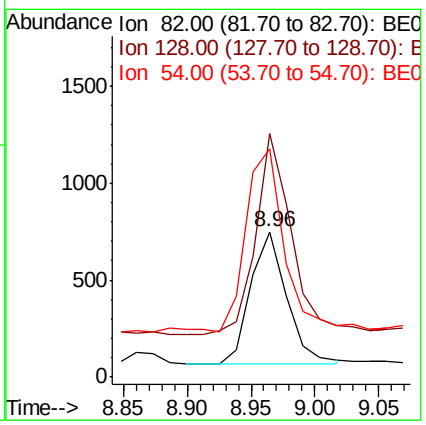
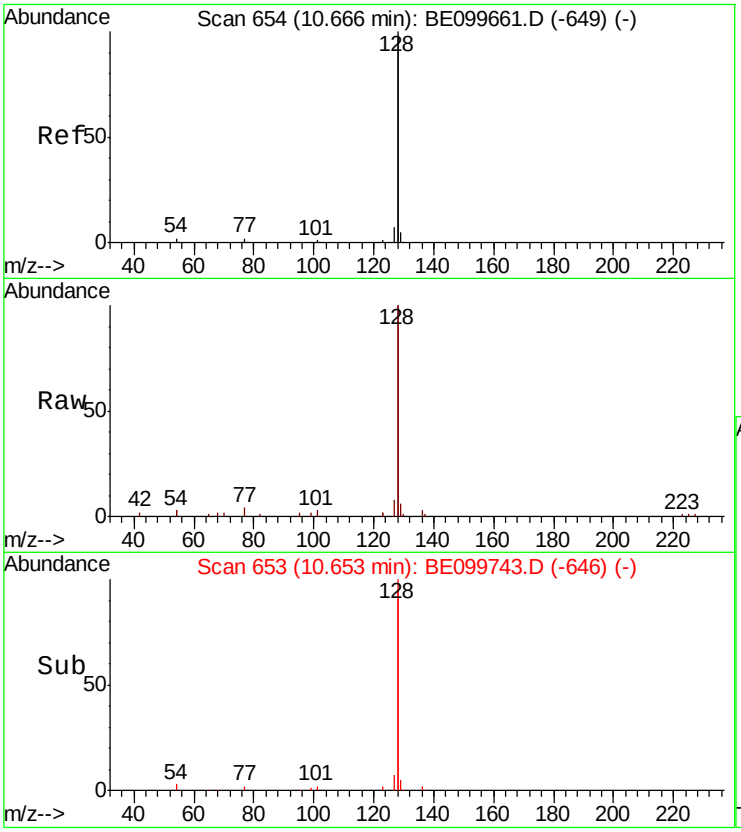


#8
Nitrobenzene-d5
Concen: 0.413 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion: 82 Resp: 1354

Ion	Ratio	Lower	Upper
82	100		
128	167.2	117.7	176.5
54	156.6	106.6	160.0

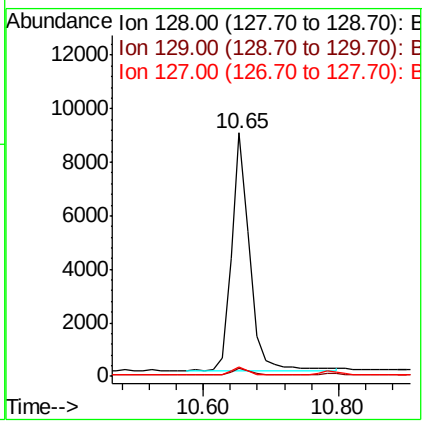




#9
Naphthalene
Concen: 0.412 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:128 Resp: 16653

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.4	3.6
127	3.8	2.9	4.3



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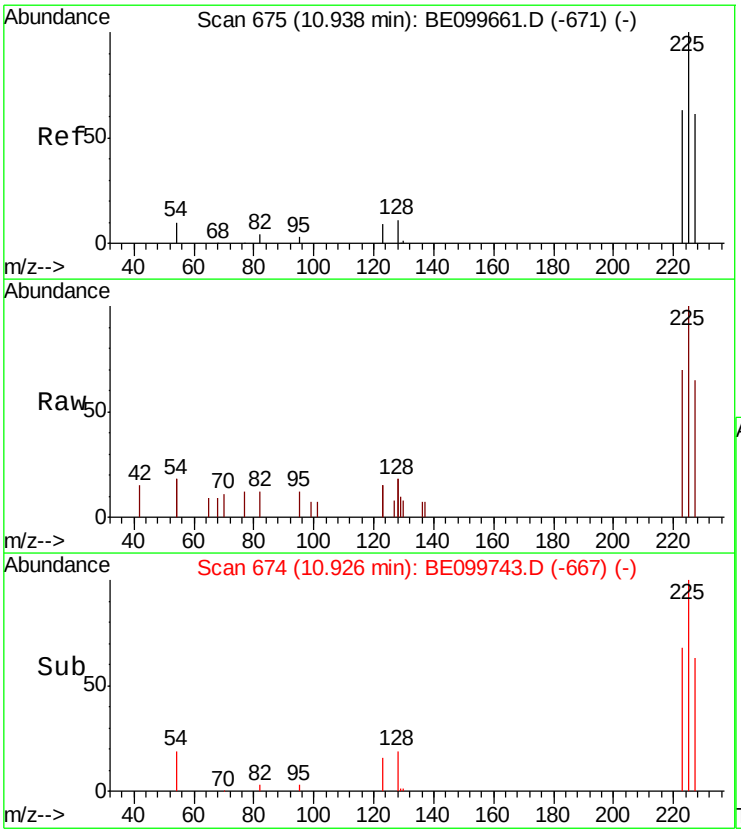
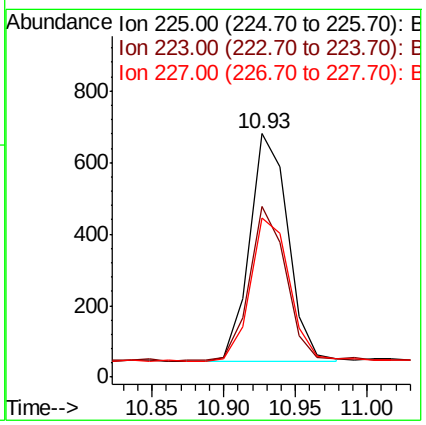
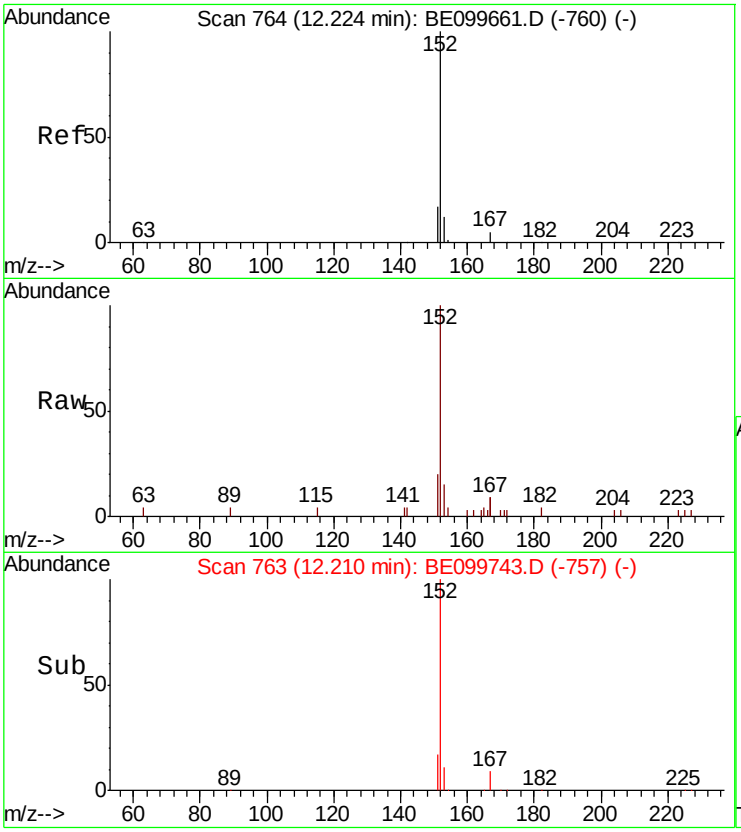


#10
Hexachlorobutadiene
Concen: 0.393 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:225 Resp: 1172

Ion	Ratio	Lower	Upper
225	100		
223	65.4	51.8	77.6
227	64.9	52.6	79.0

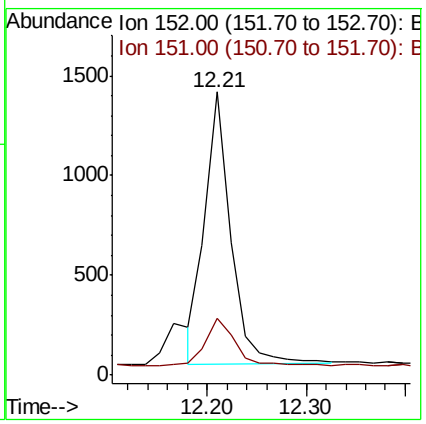




#11
2-Methylnaphthalene-d10
Concen: 0.379 ng m
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:152 Resp: 2471

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.0	22.4



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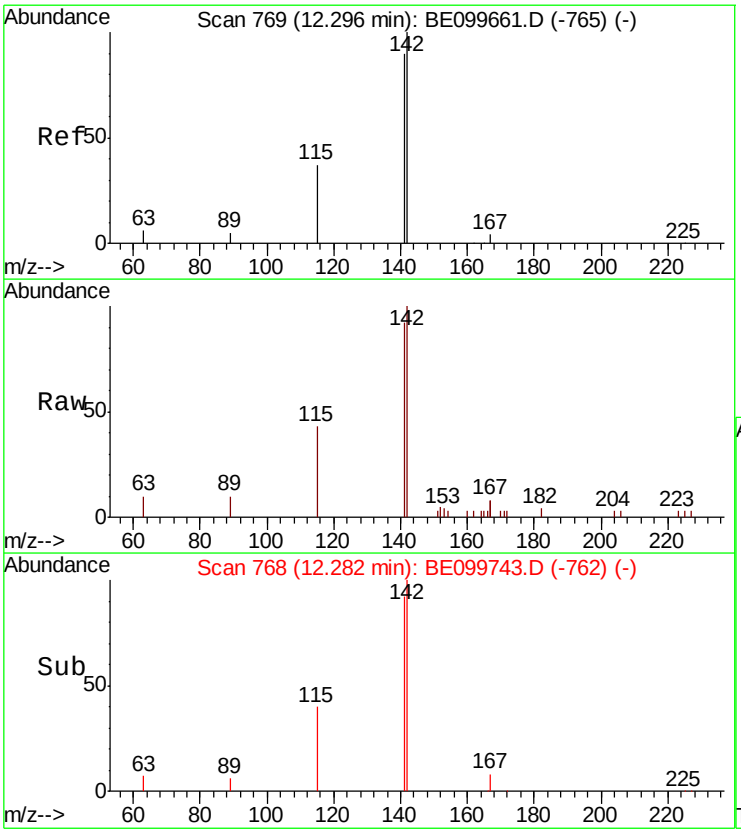
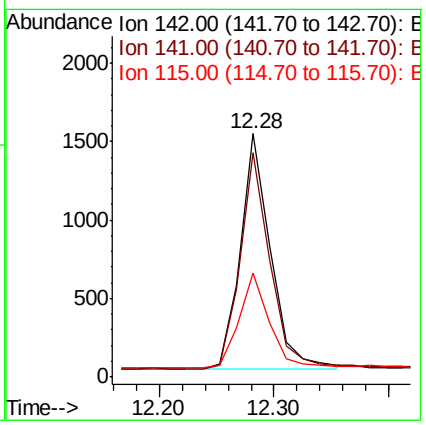
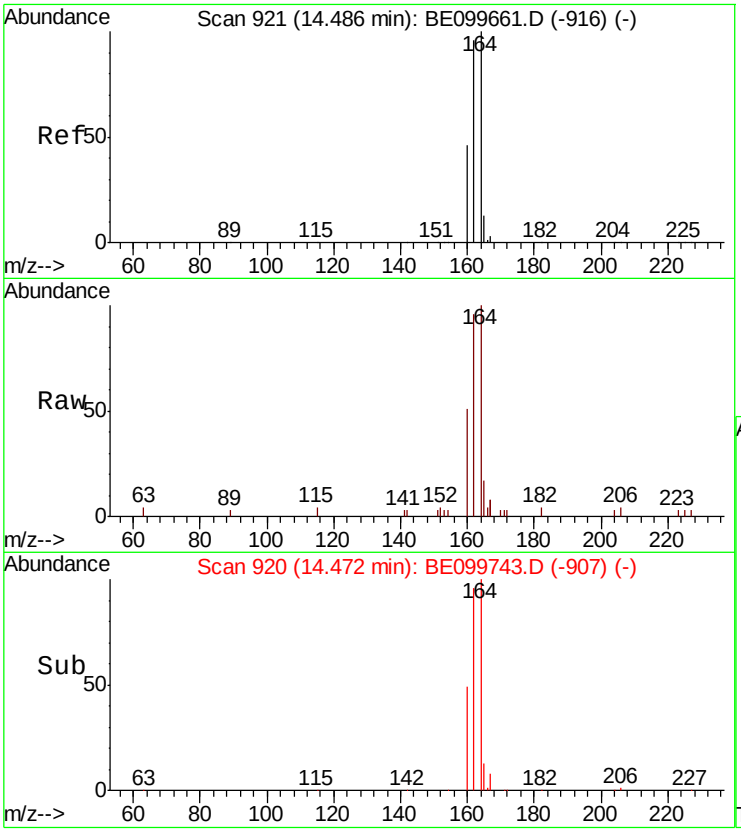


#12
2-Methylnaphthalene
Concen: 0.410 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:142 Resp: 2704

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.0	108.0
115	42.6	31.0	46.4

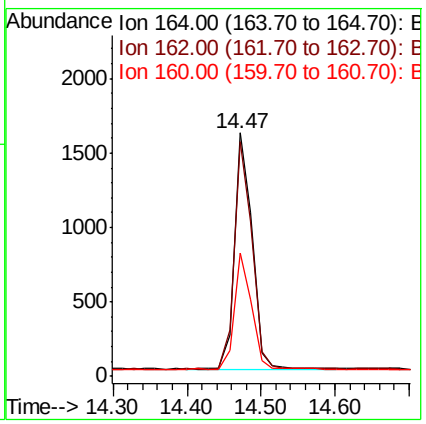




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:164 Resp: 2638

Ion	Ratio	Lower	Upper
164	100		
162	96.3	76.5	114.7
160	50.6	37.4	56.2



Instrument :
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ClientSampleId :
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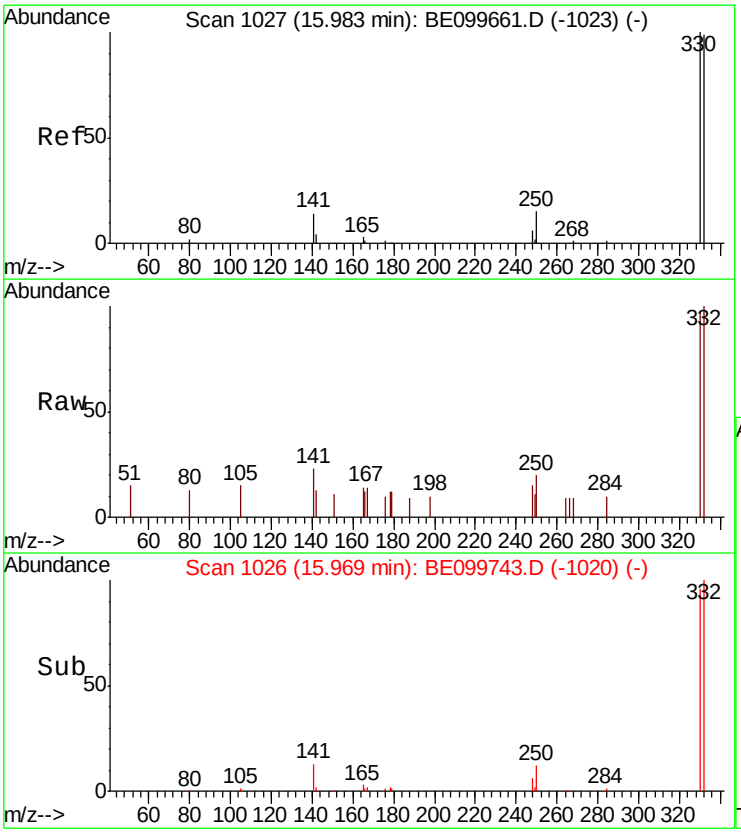
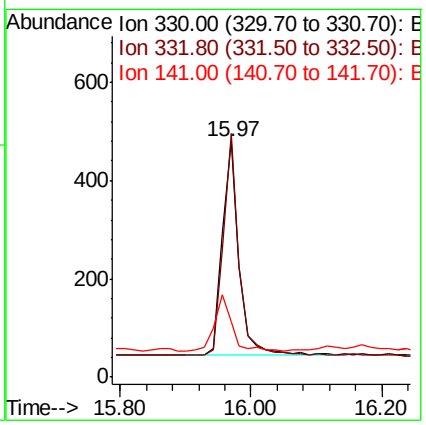
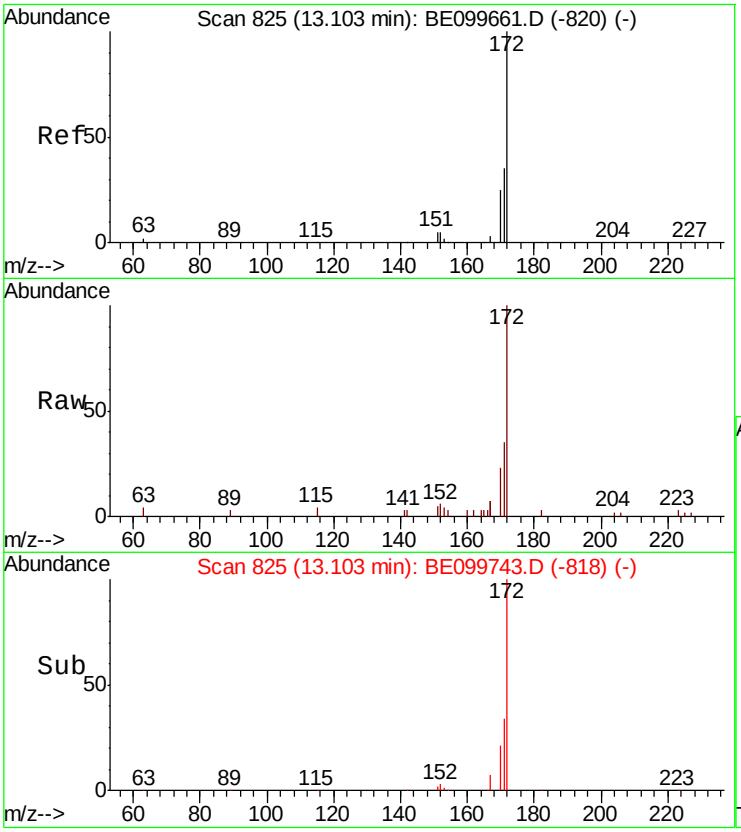


#14
2,4,6-Tribromophenol
Concen: 0.518 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:330 Resp: 789

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.3	115.9
141	26.6	18.9	28.3

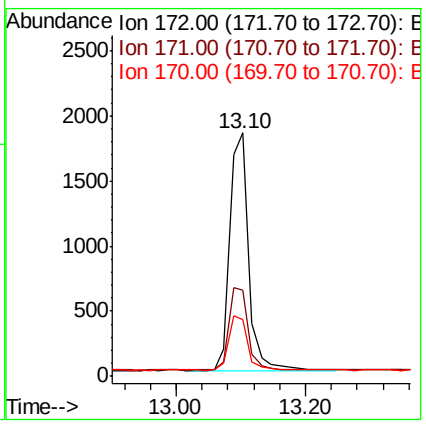




#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:172 Resp: 3690

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.5	20.9	31.3



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

Manual Integrations APPROVED
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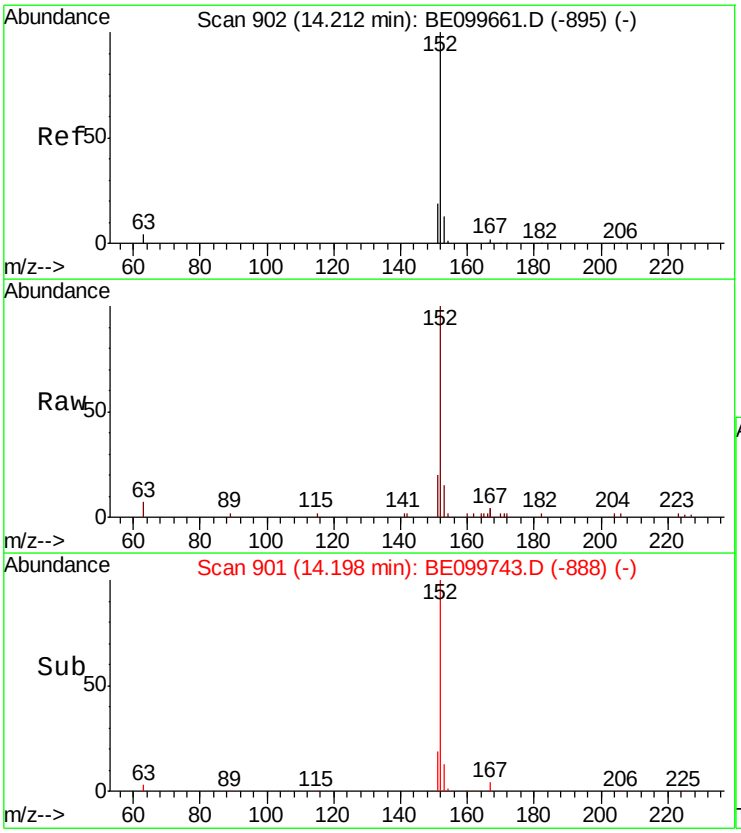
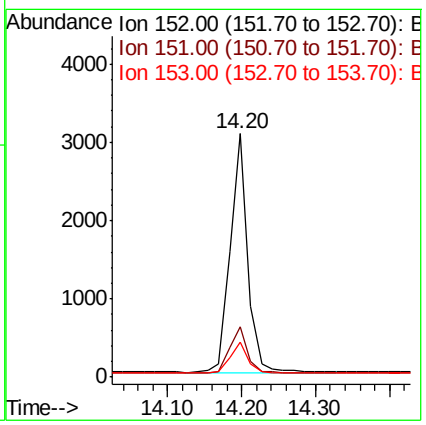
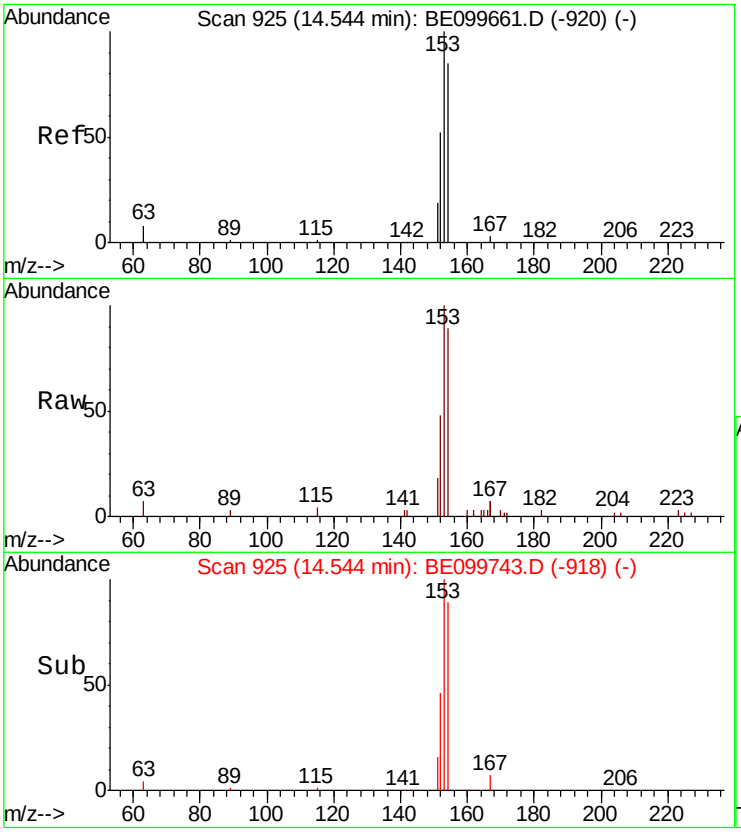


#16
Acenaphthylene
Concen: 0.409 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:152 Resp: 5028

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.4	10.6	16.0

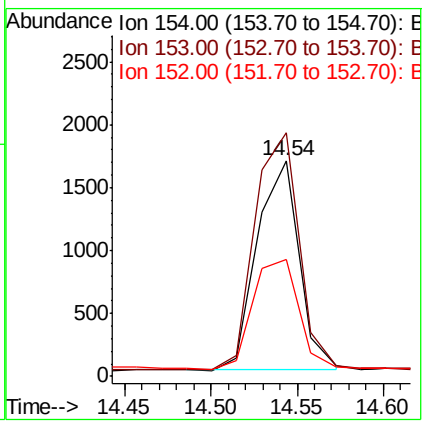




#17
Acenaphthene
Concen: 0.413 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:154 Resp: 2849

Ion	Ratio	Lower	Upper
154	100		
153	119.4	91.8	137.6
152	56.9	46.0	69.0



Instrument :
BNA_E
ClientSampleId :
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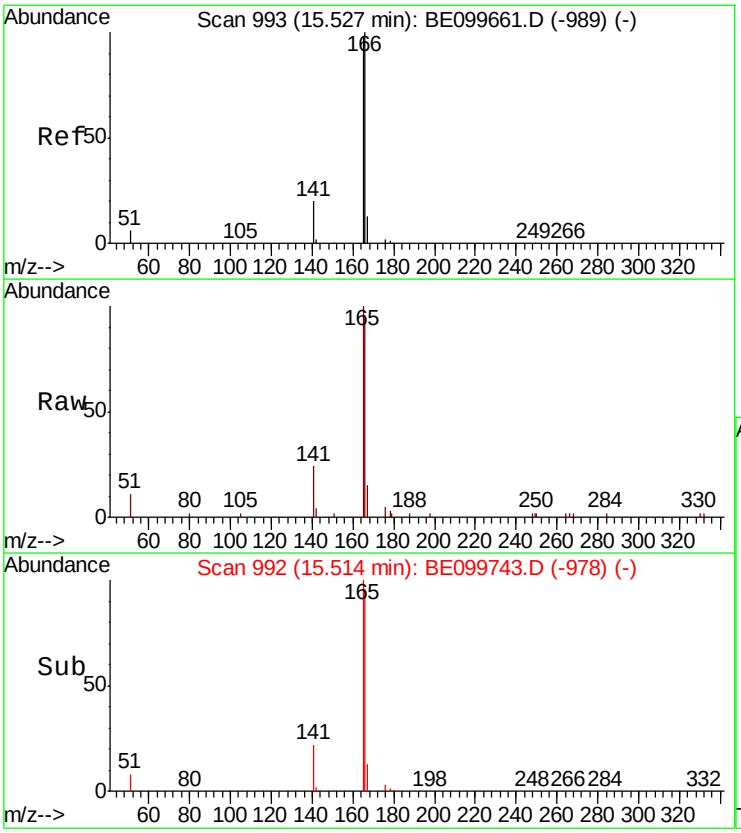
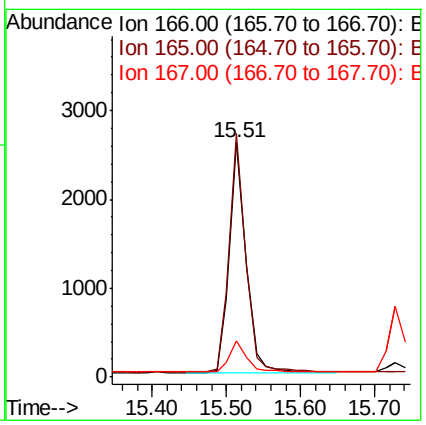
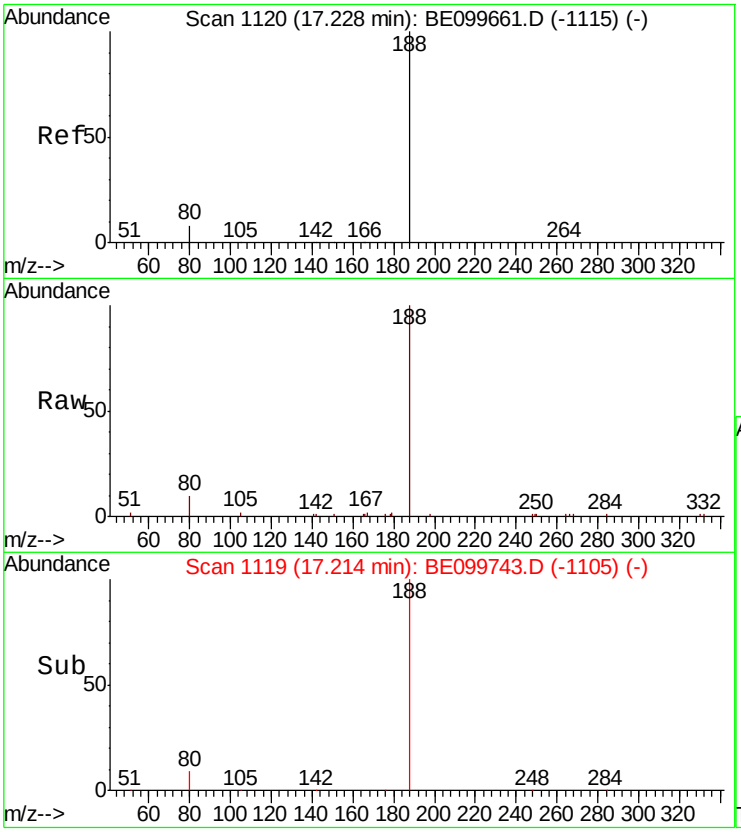


#18
Fluorene
Concen: 0.400 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:166 Resp: 4061

Ion	Ratio	Lower	Upper
166	100		
165	101.9	80.3	120.5
167	14.1	10.6	16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:188 Resp: 8144

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	6.7	10.1#

Instrument :
BNA_E
ClientSampleId :
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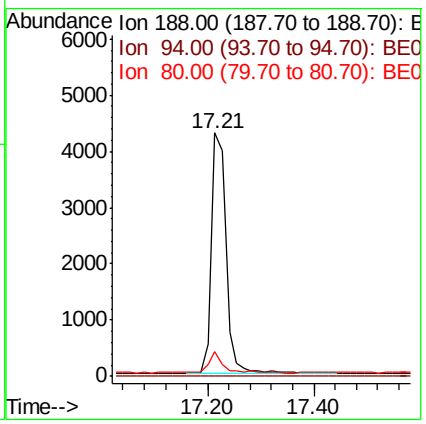
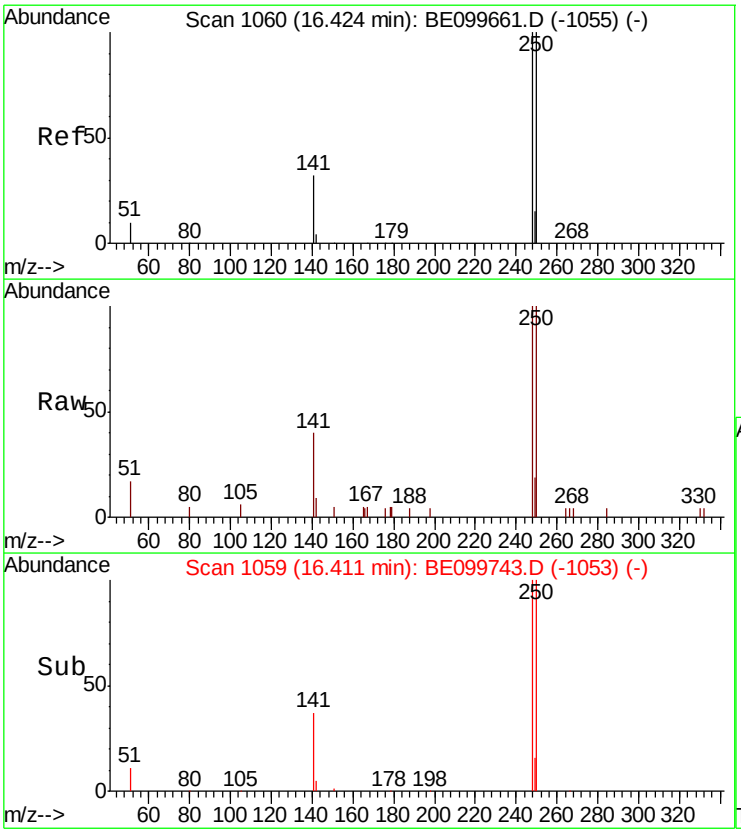
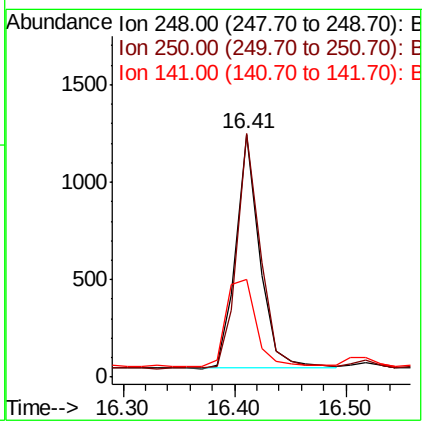


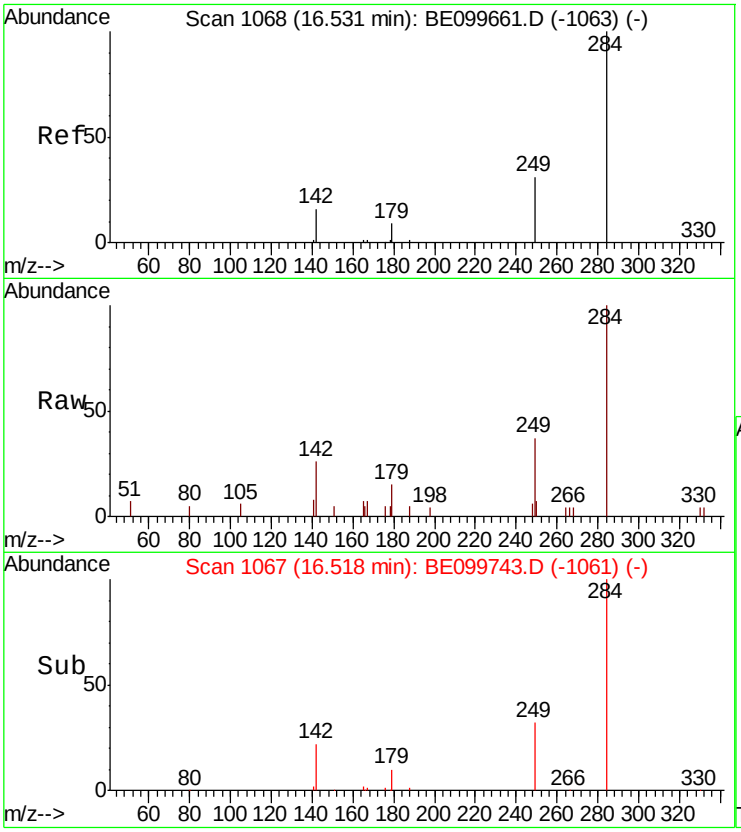


#20
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:248 Resp: 1790

Ion	Ratio	Lower	Upper
248	100		
250	100.3	79.8	119.8
141	40.2	27.0	40.6

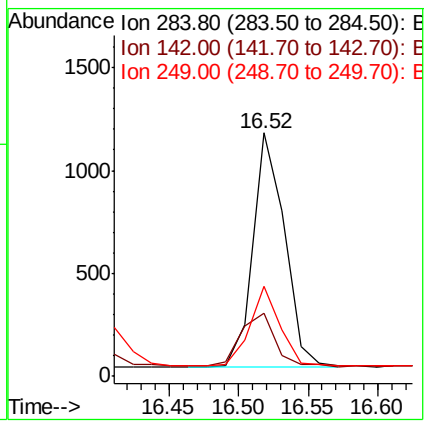




#21
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:284 Resp: 1790

Ion	Ratio	Lower	Upper
284	100		
142	25.1	17.8	26.6
249	31.9	24.8	37.2



Instrument :
BNA_E
ClientSampleId :
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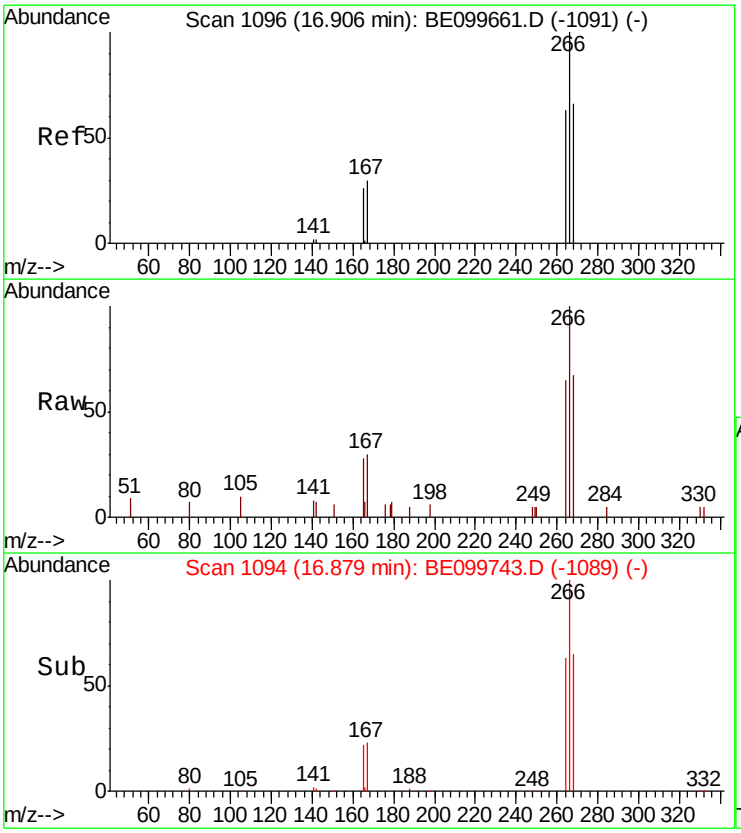
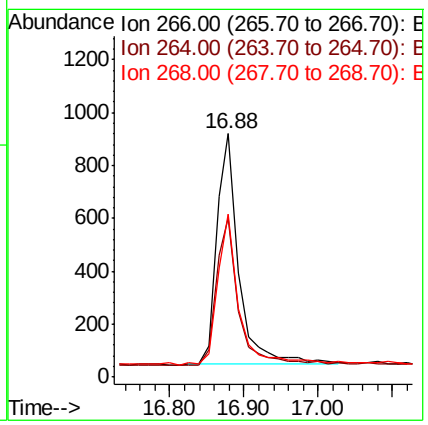
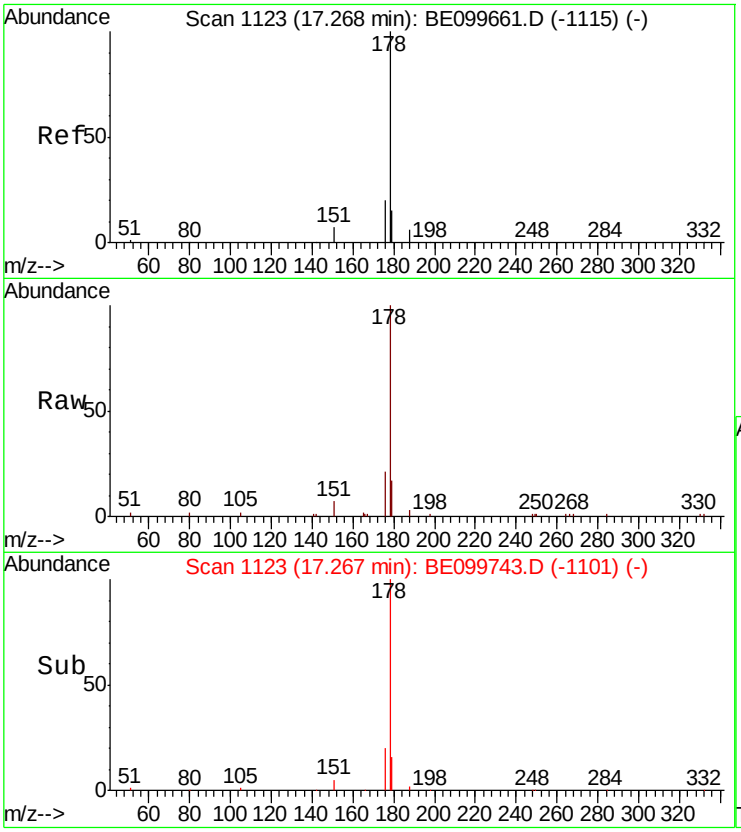


#22
Pentachlorophenol
Concen: 1.272 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:266 Resp: 1811

Ion	Ratio	Lower	Upper
266	100		
264	65.1	57.2	85.8
268	66.8	60.5	90.7

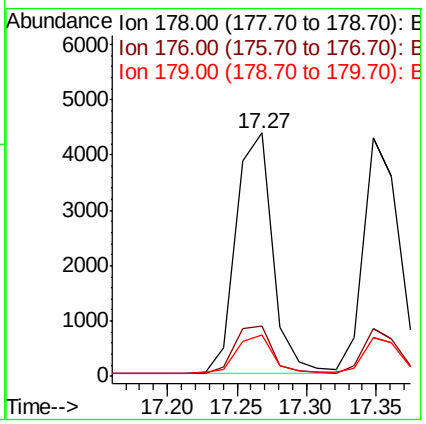




#23
Phenanthrene
Concen: 0.397 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:178 Resp: 7896

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.6	23.4
179	16.0	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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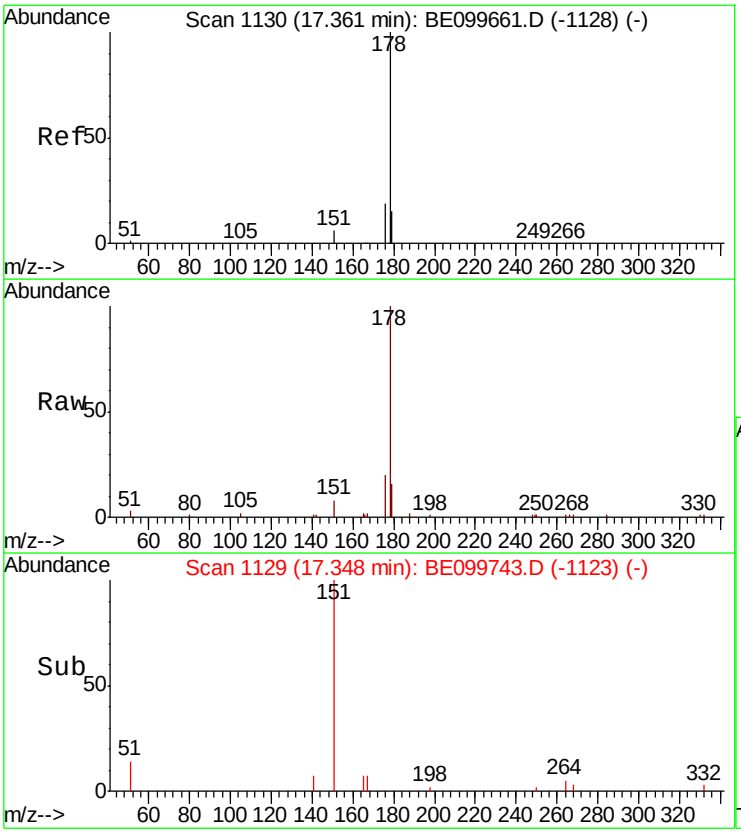
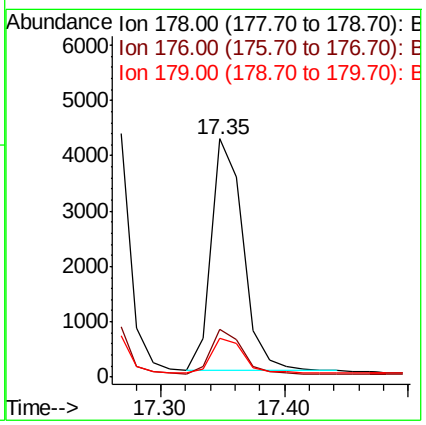
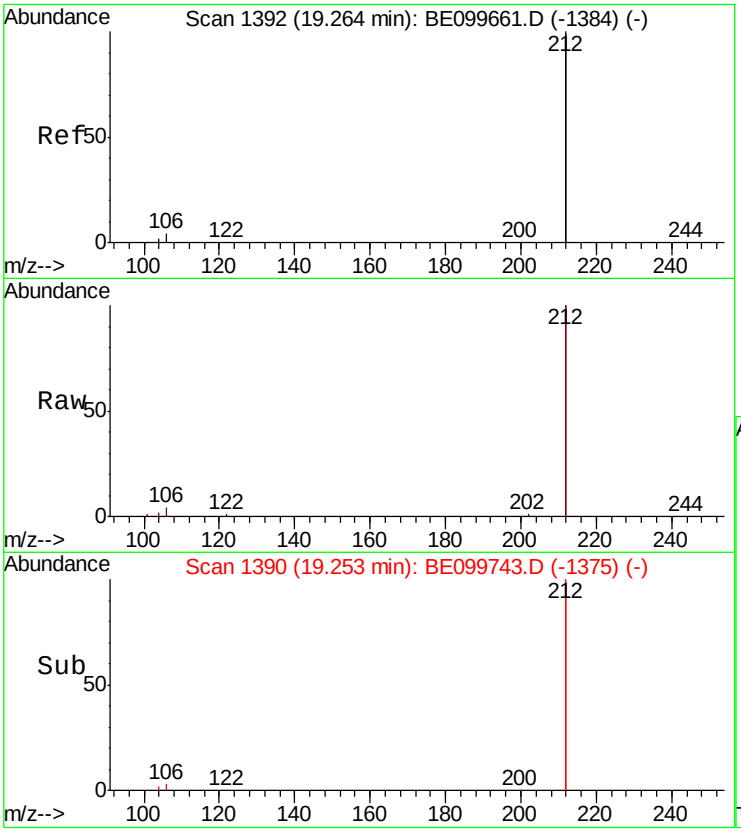


#24
Anthracene
Concen: 0.411 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:178 Resp: 7425

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.3	12.0	18.0

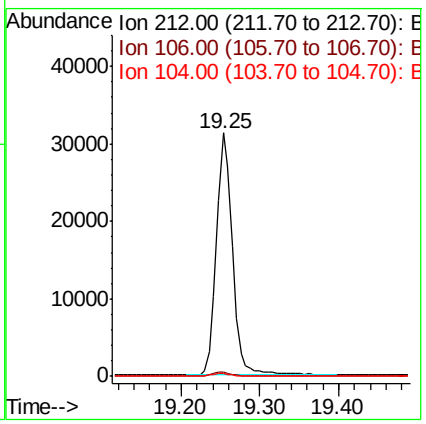




#25
Fluoranthene-d10
Concen: 0.392 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:212 Resp: 43601

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



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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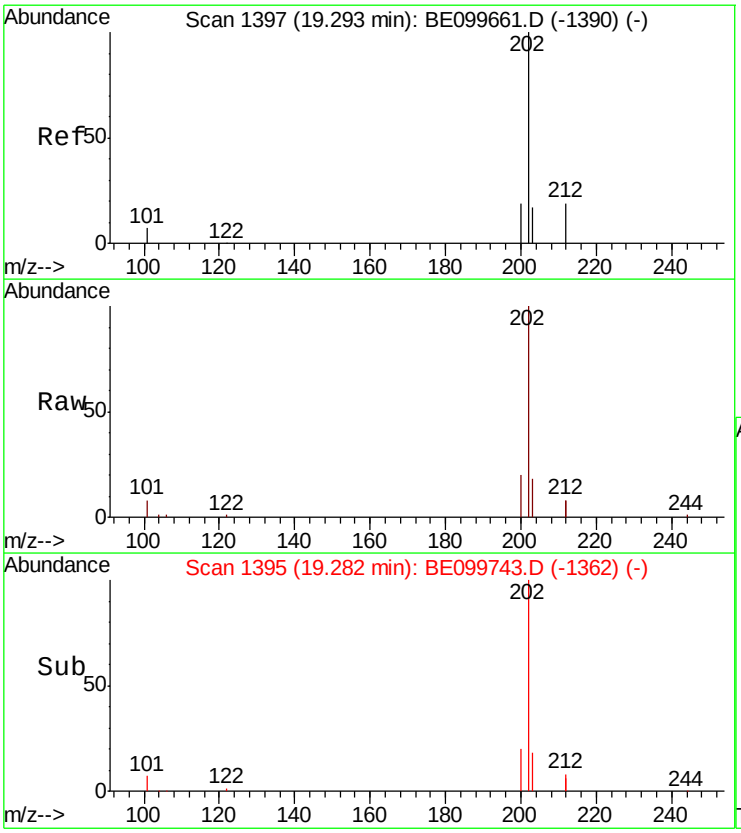
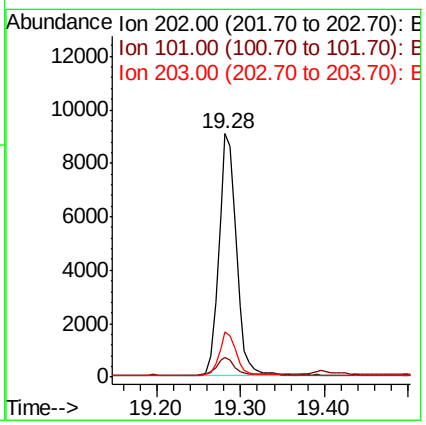
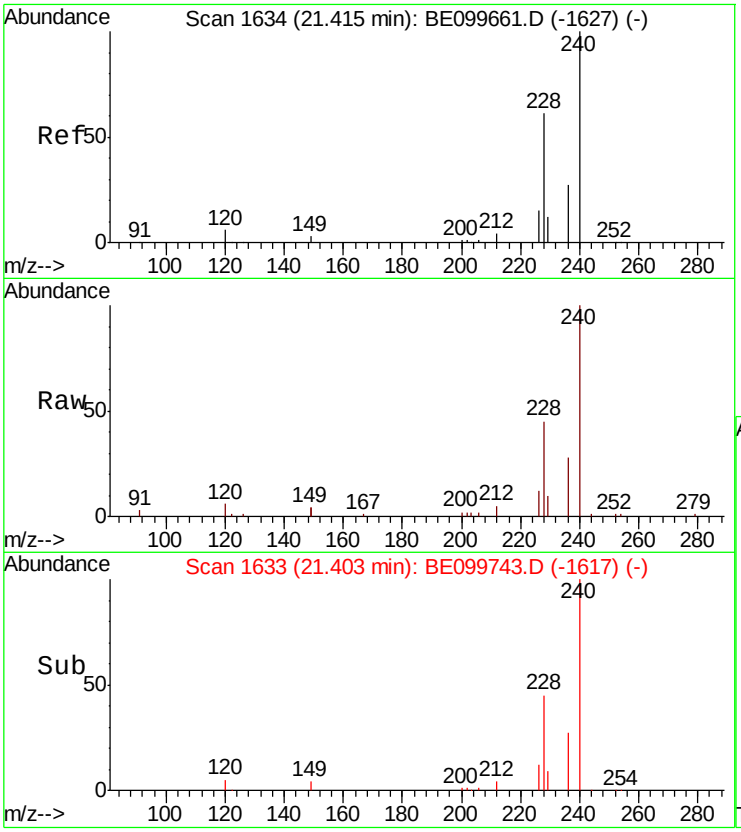


#26
Fluoranthene
Concen: 0.416 ng
RT: 19.28 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:202 Resp: 13087

Ion	Ratio	Lower	Upper
202	100		
101	7.2	5.2	7.8
203	17.4	13.8	20.6

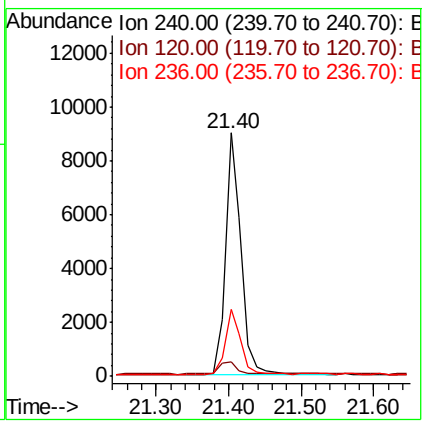




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:240 Resp: 13646

Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.4	8.0
236	27.5	21.7	32.5



Instrument :
BNA_E
ClientSampleId :
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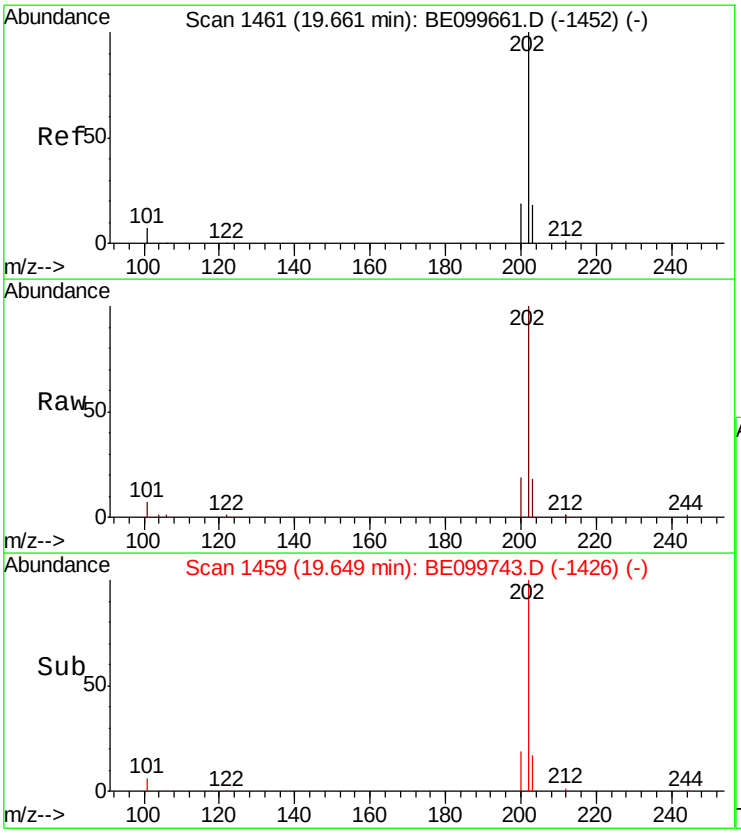
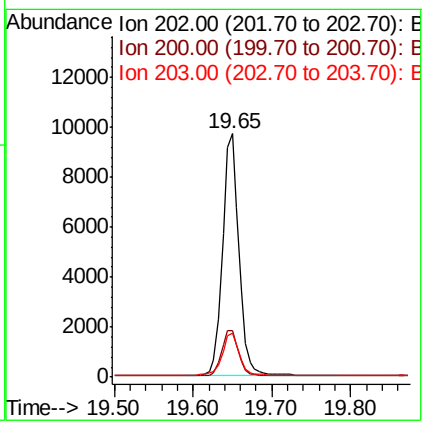
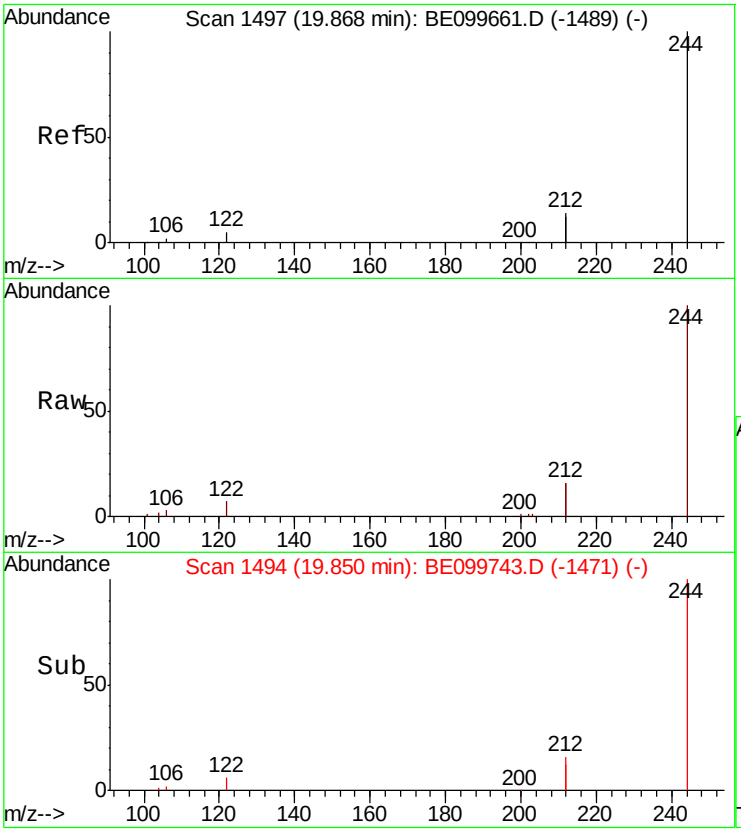


#28
Pyrene
Concen: 0.410 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:202 Resp: 14053

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.4	23.2
203	17.9	13.8	20.8





#29
Terphenyl-d14
Concen: 0.390 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:244 Resp: 9501

Ion	Ratio	Lower	Upper
244	100		
212	31.1	22.5	33.7
122	7.1	4.3	6.5#

Instrument :
BNA_E
ClientSampleId :
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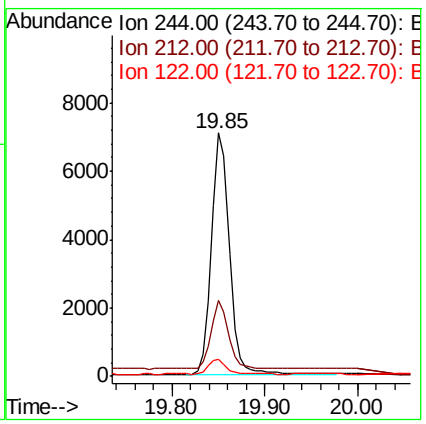
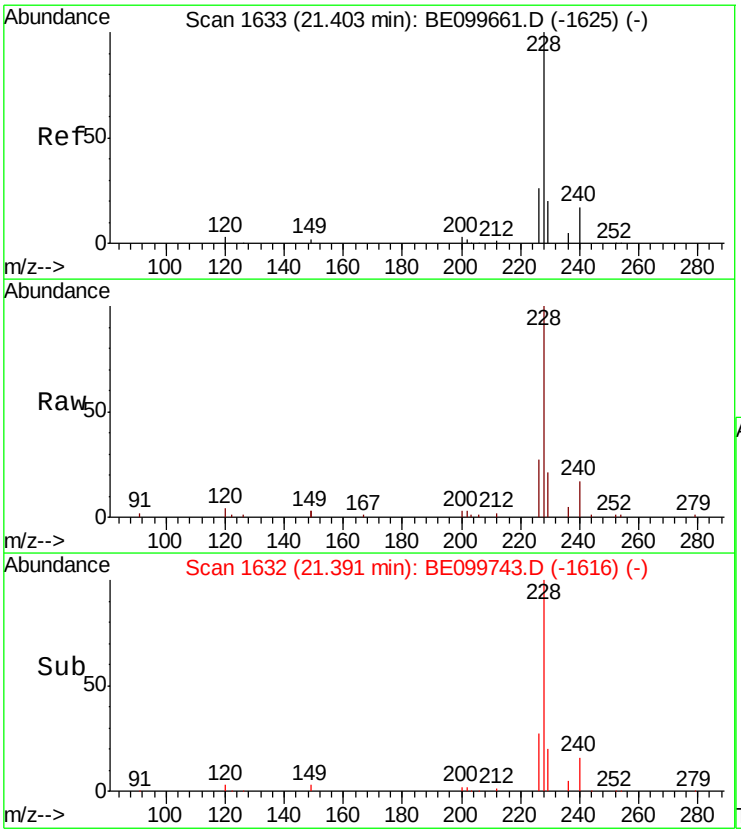
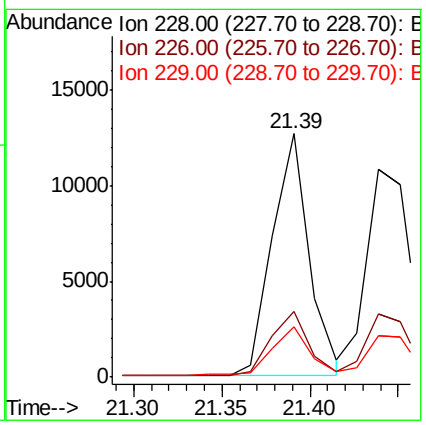


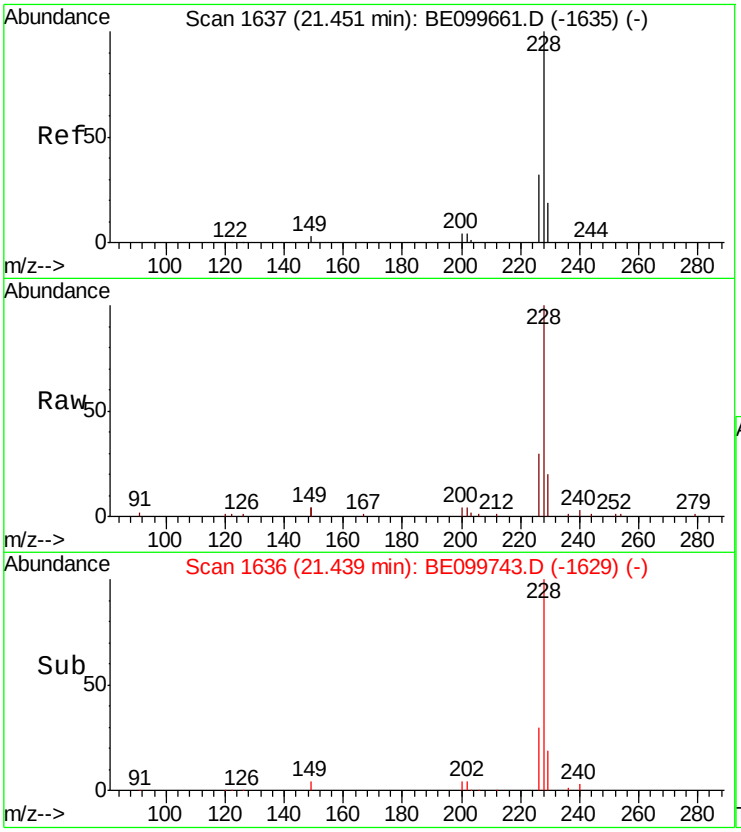


#30
Benzo(a)anthracene
Concen: 0.476 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:228 Resp: 18476

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	20.7	16.1	24.1

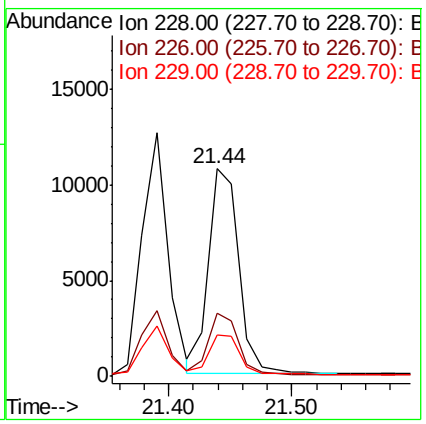




#31
Chrysene
Concen: 0.443 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:228 Resp: 18355

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	19.8	15.8	23.6



Instrument :
BNA_E
ClientSampleId :
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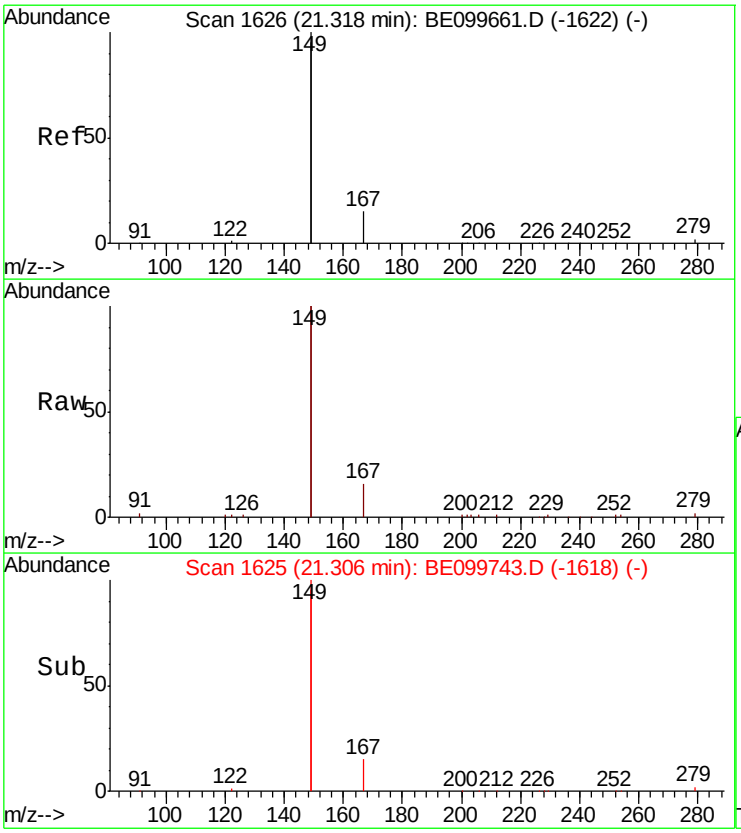
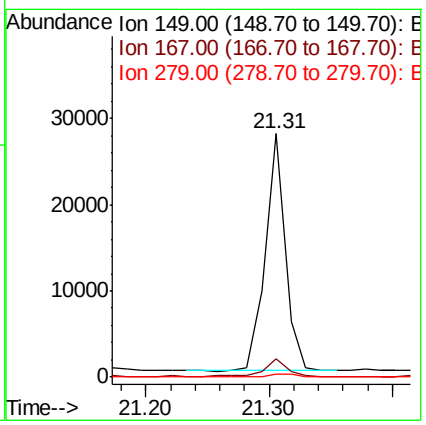
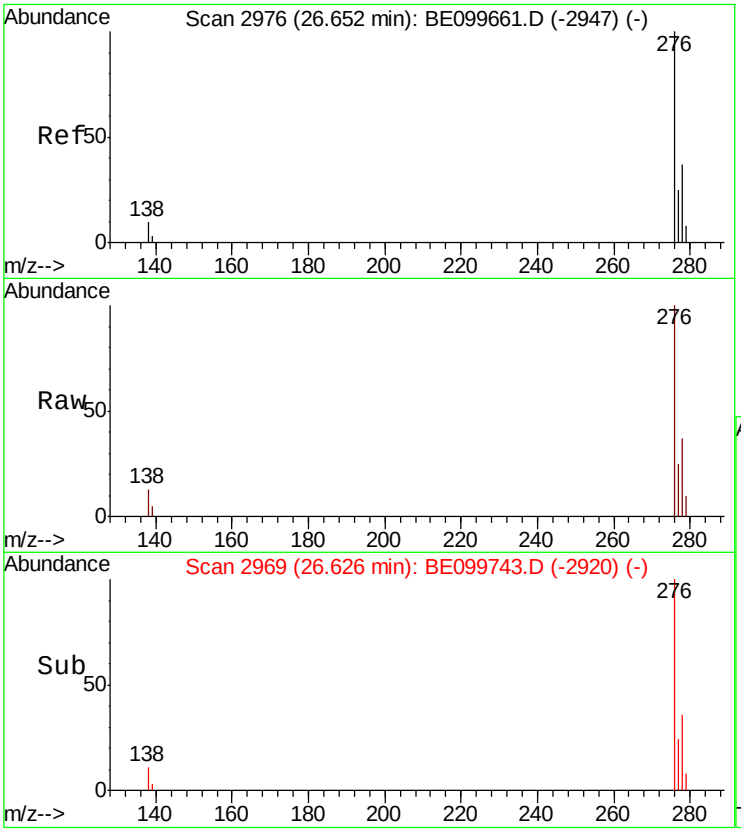


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.704 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:149 Resp: 31461

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.2	9.4
279	1.4	1.2	1.8

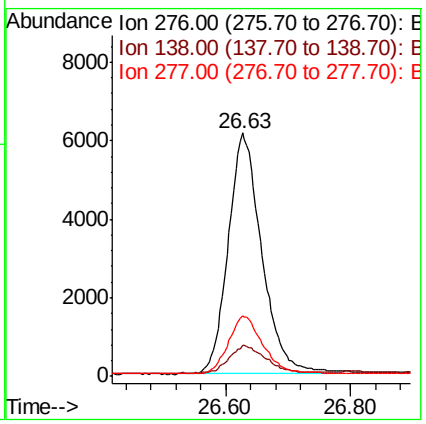




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.460 ng
RT: 26.63 min Scan# 2969
Delta R.T. -0.03 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:276 Resp: 23006

Ion	Ratio	Lower	Upper
276	100		
138	12.4	9.6	14.4
277	24.3	19.2	28.8



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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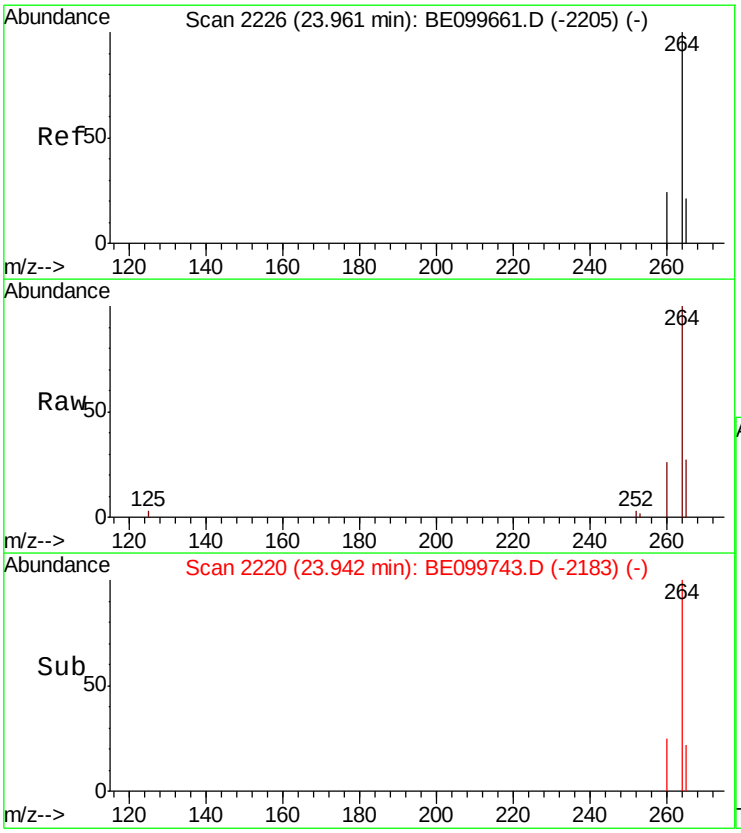
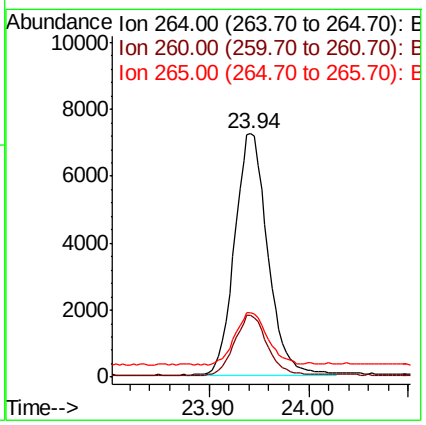
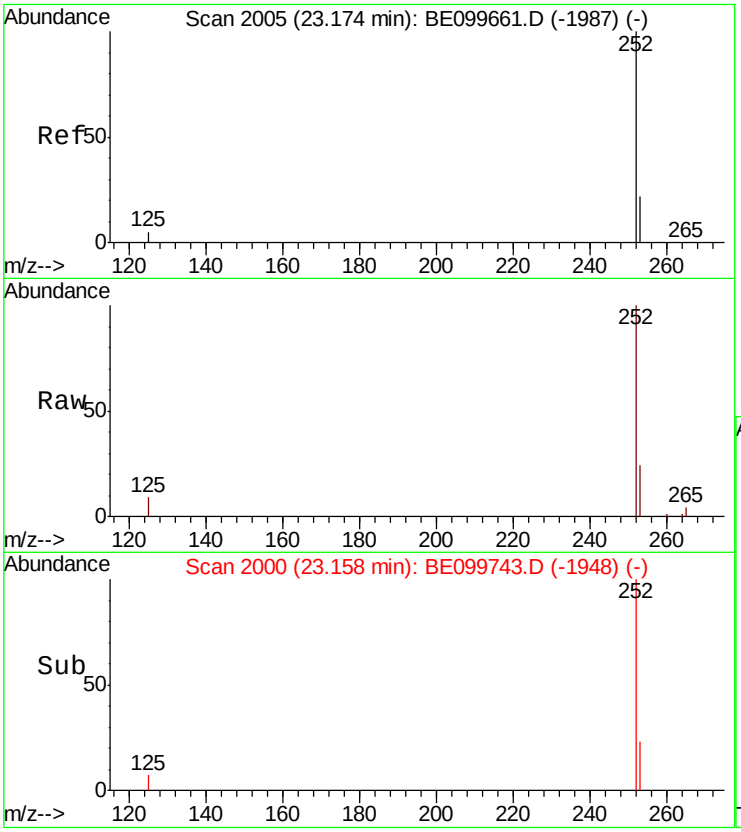


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:264 Resp: 16565

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.6	29.4
265	26.5	19.1	28.7





#35
Benzo(b)fluoranthene
Concen: 0.430 ng m
RT: 23.16 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:252 Resp: 19532

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	8.9	4.5	6.7#

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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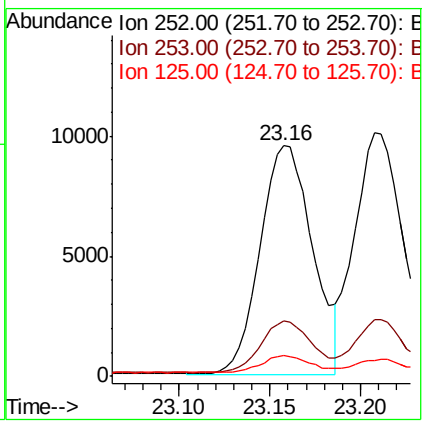
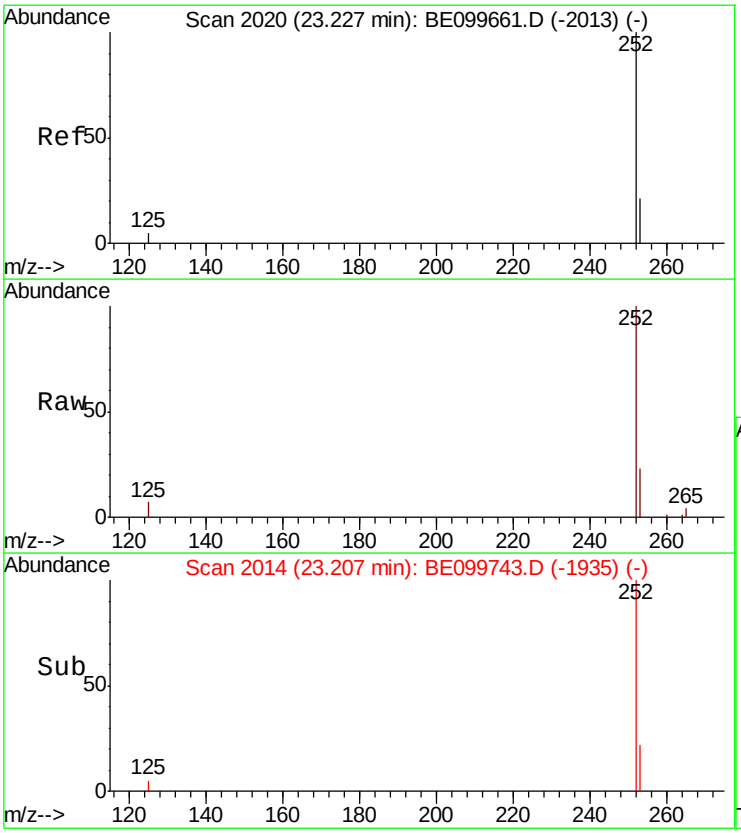
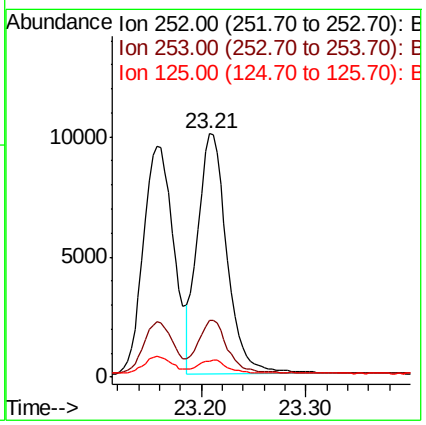


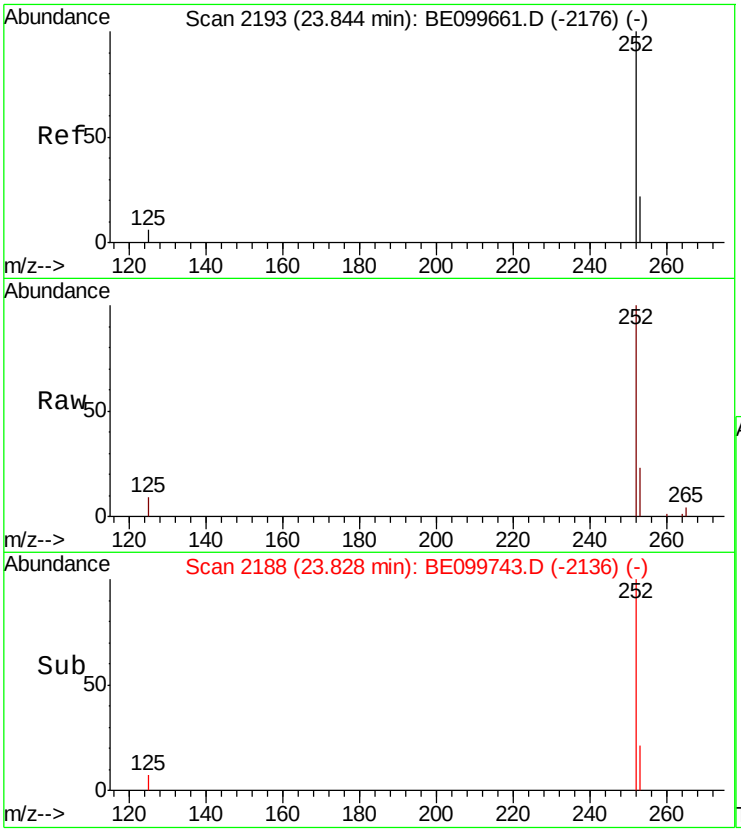


#36
Benzo(k)fluoranthene
Concen: 0.411 ng
RT: 23.21 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:252 Resp: 19433

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	6.7	4.6	6.8





#37
Benzo(a)pyrene
Concen: 0.433 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:252 Resp: 18906

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	8.6	5.4	8.0#

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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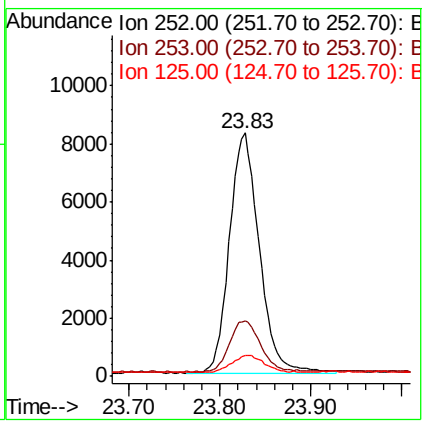
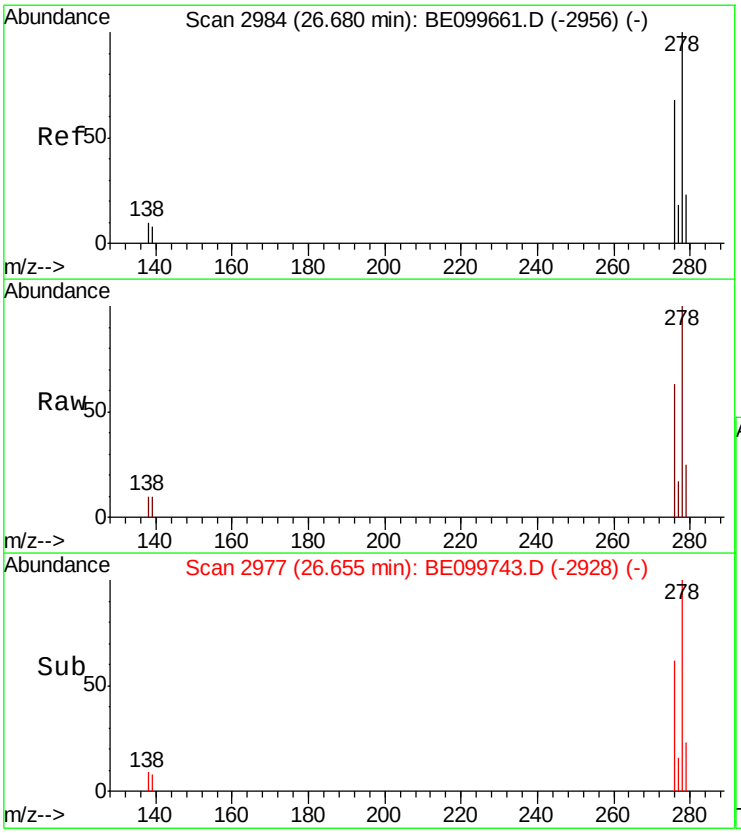
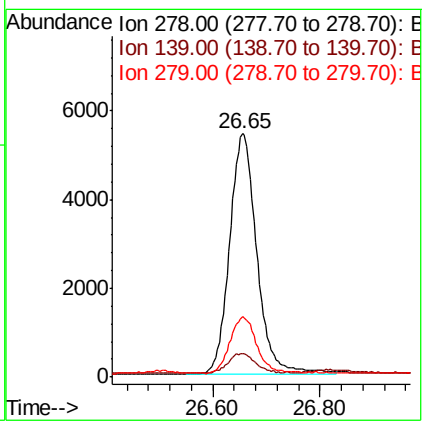


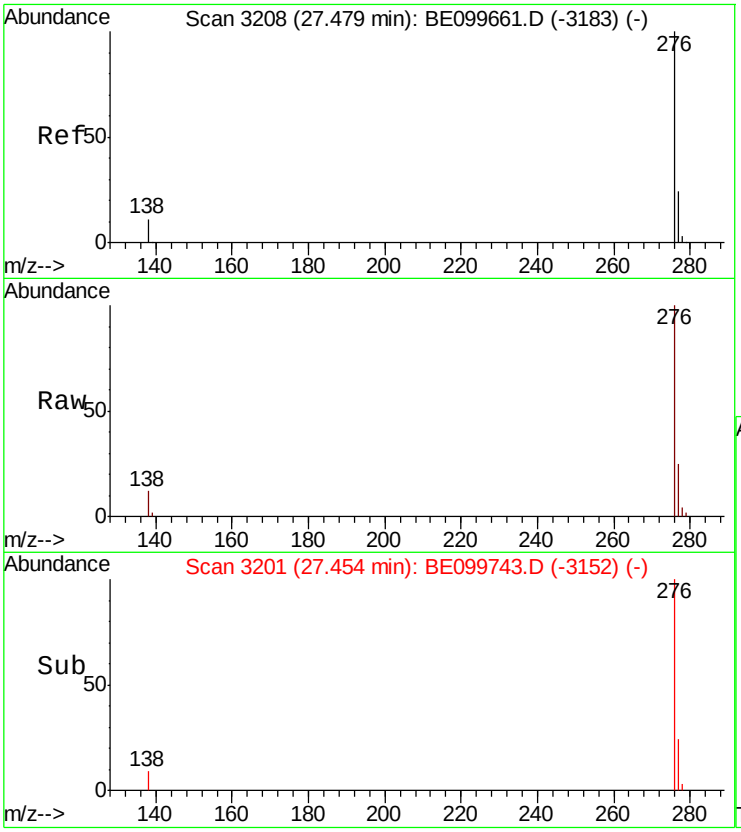


#38
Dibenzo(a,h)anthracene
Concen: 0.420 ng
RT: 26.65 min Scan# 2977
Delta R.T. -0.03 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:278 Resp: 19283

Ion	Ratio	Lower	Upper
278	100		
139	9.8	6.9	10.3
279	25.0	19.2	28.8

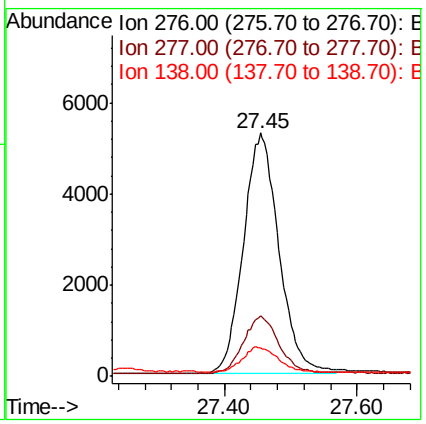




#39
Benzo(g,h,i)perylene
Concen: 0.423 ng
RT: 27.45 min Scan# 3201
Delta R.T. -0.03 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:276 Resp: 19588

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.6
138	11.7	9.2	13.8



Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MS

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