Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061419\
Data File : BE100041.D
Acq On : 15 Jun 2019 1:57
Operator : JU/SJ
Sample : K3315-03MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

Manual Integrations APPROVED
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6/17/2019 4:51:52 PM

Quant Time: Jun 17 08:07:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	837	0.40	ng		-0.01
7) Naphthalene-d8	10.59	136	3000	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	2268	0.40	ng		-0.01
19) Phenanthrene-d10	17.20	188	6812	0.40	ng		-0.01
27) Chrysene-d12	21.39	240	8841	0.40	ng		-0.01
34) Perylene-d12	23.92	264	9987	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	346	0.15	ng		0.01
5) Phenol-d6	6.98	99	272	0.09	ng		0.01
8) Nitrobenzene-d5	8.96	82	1165	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	1624m	0.31	ng		-0.01
14) 2,4,6-Tribromophenol	15.96	330	550	0.33	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	3741	0.44	ng		-0.01
25) Fluoranthene-d10	19.24	212	32728	0.33	ng		0.00
29) Terphenyl-d14	19.84	244	9279	0.58	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	493	0.398	ng	#	84
3) n-Nitrosodimethylamine	3.63	42	189m	0.265	ng		
6) bis(2-Chloroethyl)ether	7.22	93	1028	0.432	ng		85
9) Naphthalene	10.64	128	12255	0.378	ng		98
10) Hexachlorobutadiene	10.91	225	817	0.331	ng		97
12) 2-Methylnaphthalene	12.27	142	2043	0.388	ng		98
16) Acenaphthylene	14.18	152	4198	0.372	ng		100
17) Acenaphthene	14.53	154	2329	0.379	ng		97
18) Fluorene	15.50	166	3412	0.370	ng		98
20) 4-Bromophenyl-phenylether	16.40	248	1542	0.400	ng	#	94
21) Hexachlorobenzene	16.51	284	1489	0.378	ng		98
22) Pentachlorophenol	16.87	266	1230	0.948	ng		86
23) Phenanthrene	17.25	178	6478	0.392	ng		99
24) Anthracene	17.35	178	5677	0.375	ng		98
26) Fluoranthene	19.27	202	9931	0.353	ng		97
28) Pyrene	19.63	202	10407	0.448	ng		100
30) Benzo(a)anthracene	21.38	228	10726	0.406	ng		98
31) Chrysene	21.43	228	11283	0.413	ng		99
32) Bis(2-ethylhexyl)phthalate	21.29	149	16732	0.441	ng		99
33) Indeno(1,2,3-cd)pyrene	26.60	276	12059	0.372	ng		99
35) Benzo(b)fluoranthene	23.14	252	9968	0.356	ng		97
36) Benzo(k)fluoranthene	23.19	252	11757	0.402	ng		97
37) Benzo(a)pyrene	23.80	252	10457	0.379	ng		96
38) Dibenzo(a,h)anthracene	26.63	278	9866	0.355	ng		95
39) Benzo(g,h,i)perylene	27.43	276	10353	0.361	ng		96

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

Quantitation Report (QT Reviewed)

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Data File : BE100041.D
Acq On : 15 Jun 2019 1:57
Operator : JU/SJ
Sample : K3315-03MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 17 08:07:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

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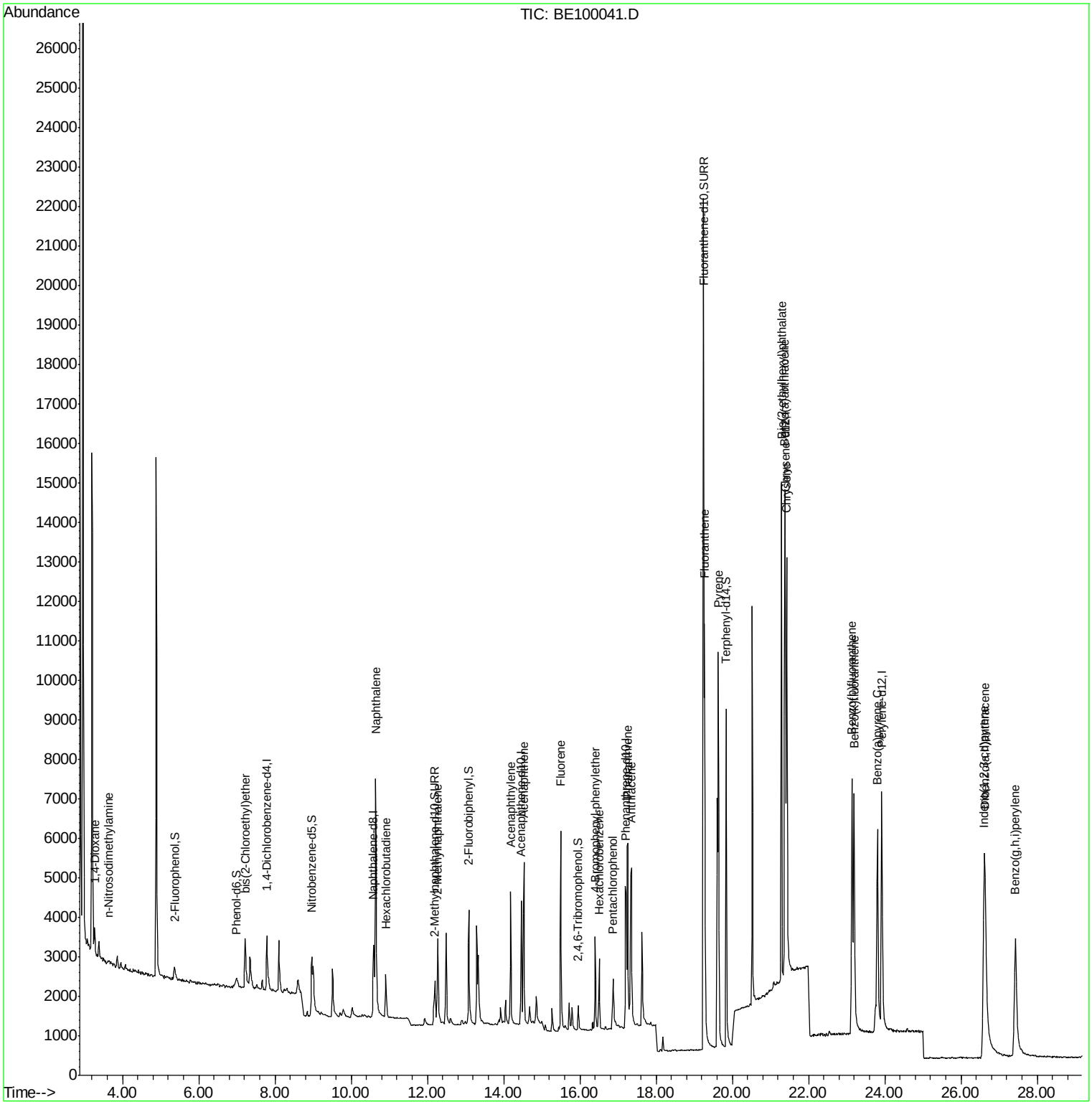
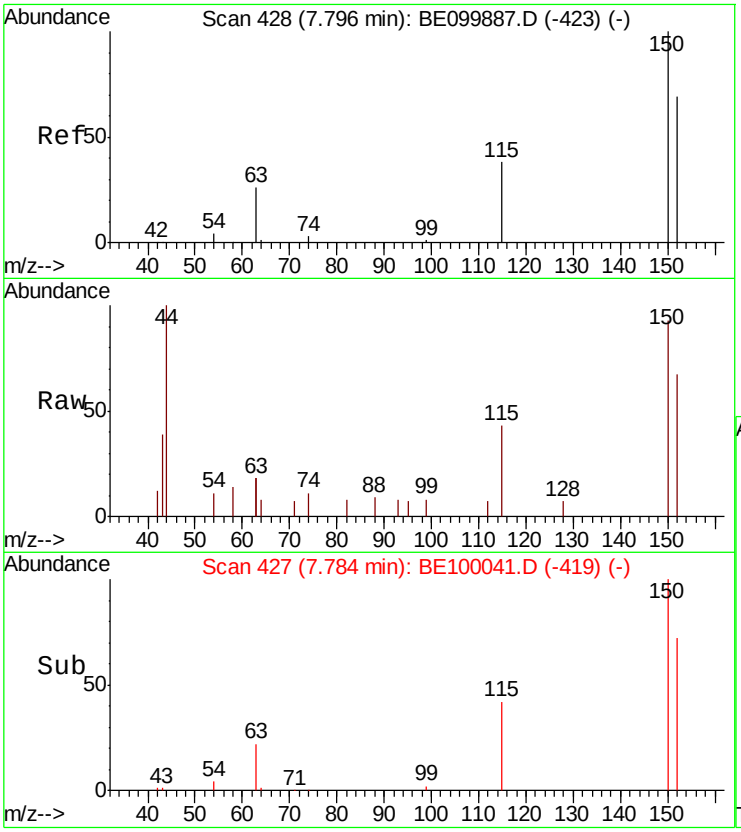
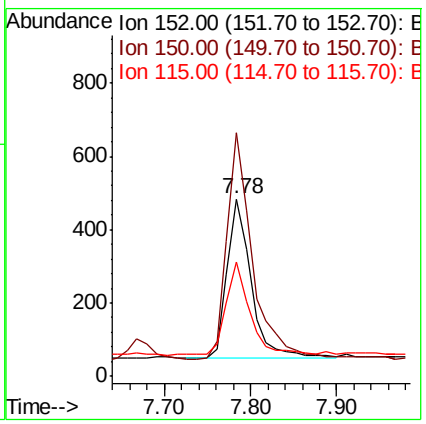




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:152 Resp: 837

Ion	Ratio	Lower	Upper
152	100		
150	137.5	111.0	166.6
115	64.4	50.7	76.1



Instrument :
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ClientSampleId :
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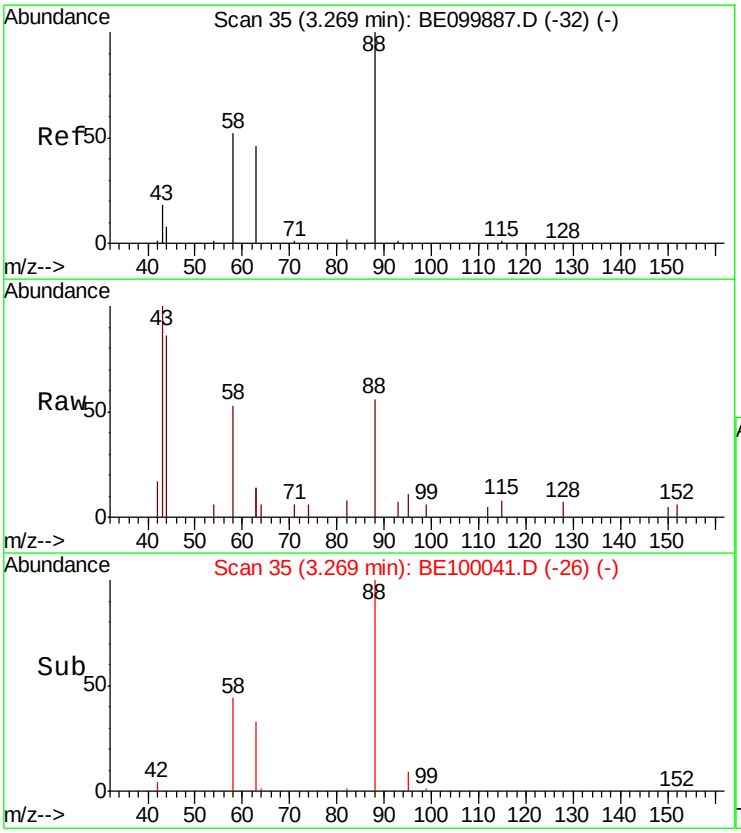
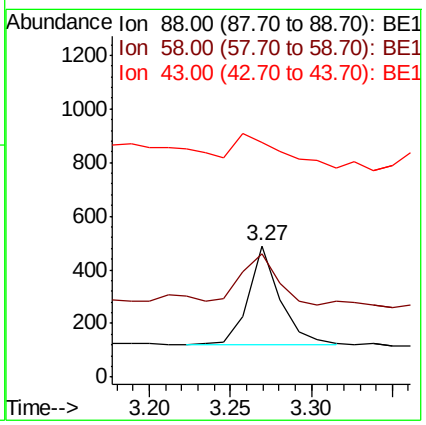
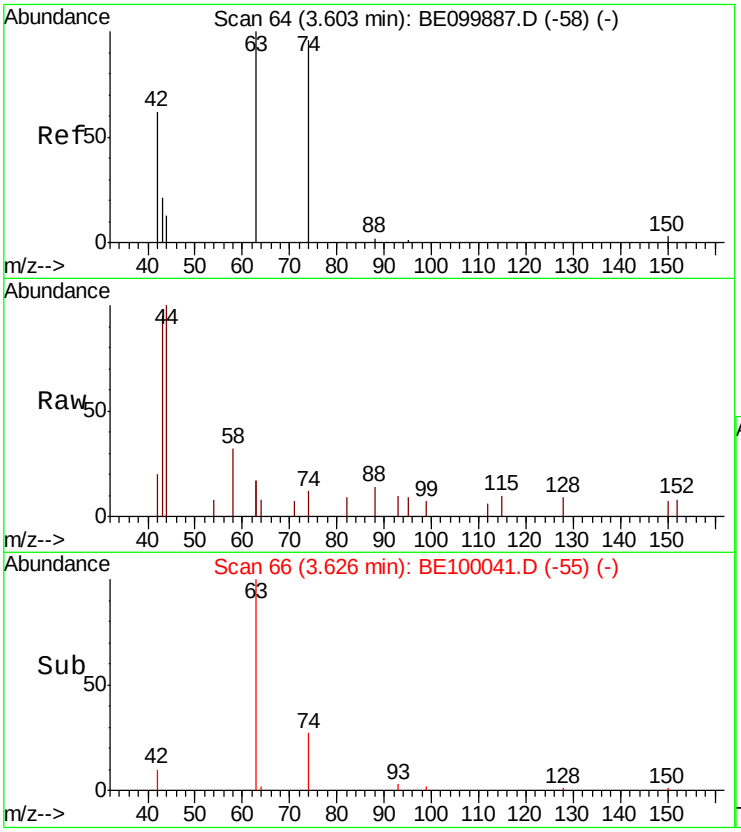


#2
1,4-Dioxane
Concen: 0.398 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion: 88 Resp: 493

Ion	Ratio	Lower	Upper
88	100		
58	62.7	48.8	73.2
43	48.7	19.0	28.6#





#3
n-Nitrosodimethylamine
Concen: 0.265 ng m
RT: 3.63 min Scan# 66
Delta R.T. 0.02 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion: 42 Resp: 189

Ion	Ratio	Lower	Upper
42	100		
74	39.7	0.0	0.0#
44	57.1	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

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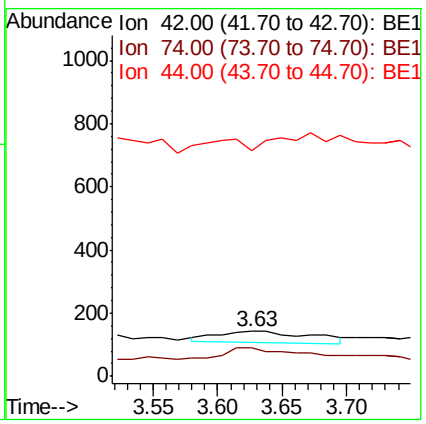
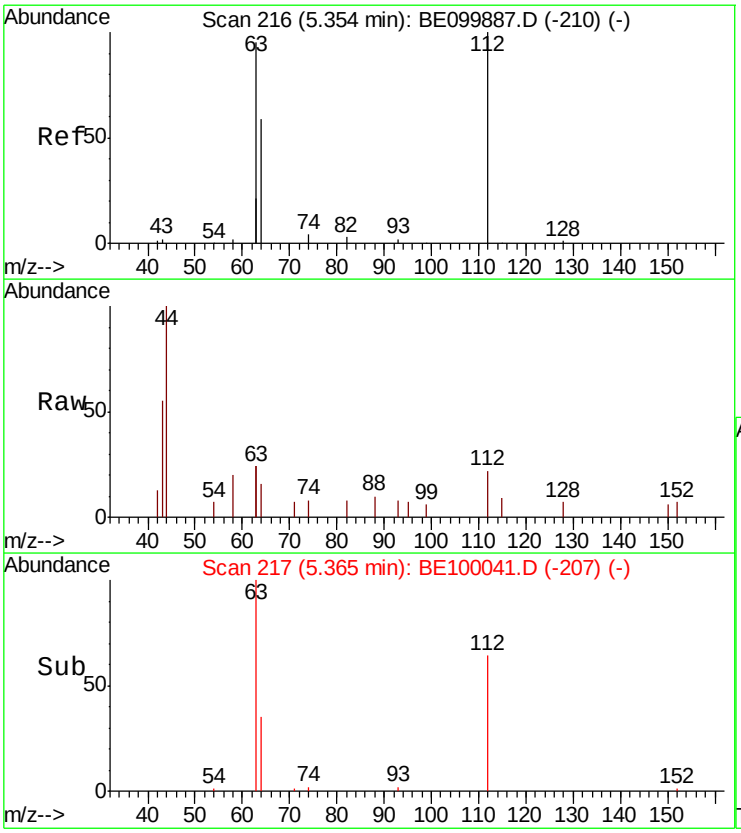
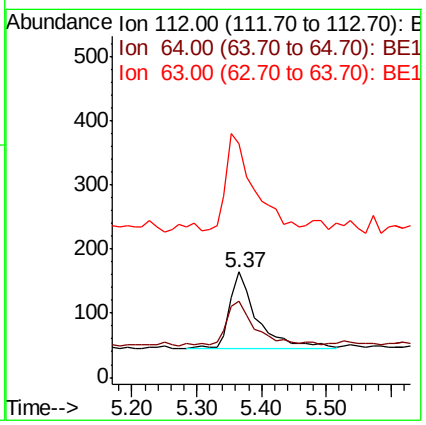


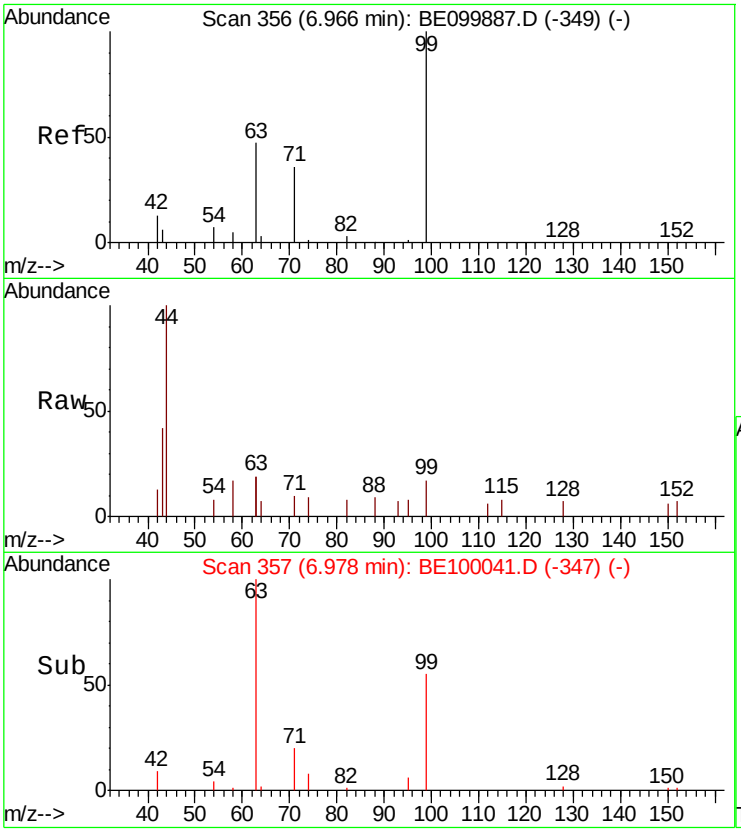


#4
2-Fluorophenol
Concen: 0.153 ng
RT: 5.37 min Scan# 217
Delta R.T. 0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:112 Resp: 346

Ion	Ratio	Lower	Upper
112	100		
64	64.2	44.1	66.1
63	132.4	87.8	131.6#





#5
Phenol-d6
Concen: 0.093 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion: 99 Resp: 272

Ion	Ratio	Lower	Upper
99	100		
42	14.3	15.9	23.9#
71	47.8	34.6	52.0

Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

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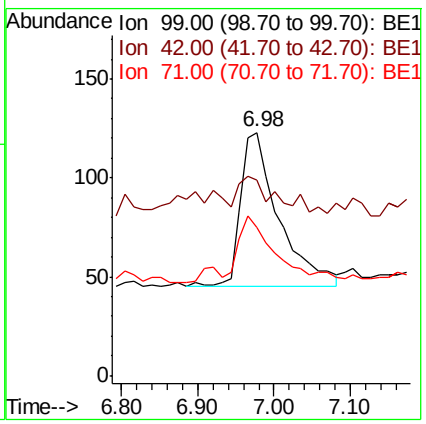
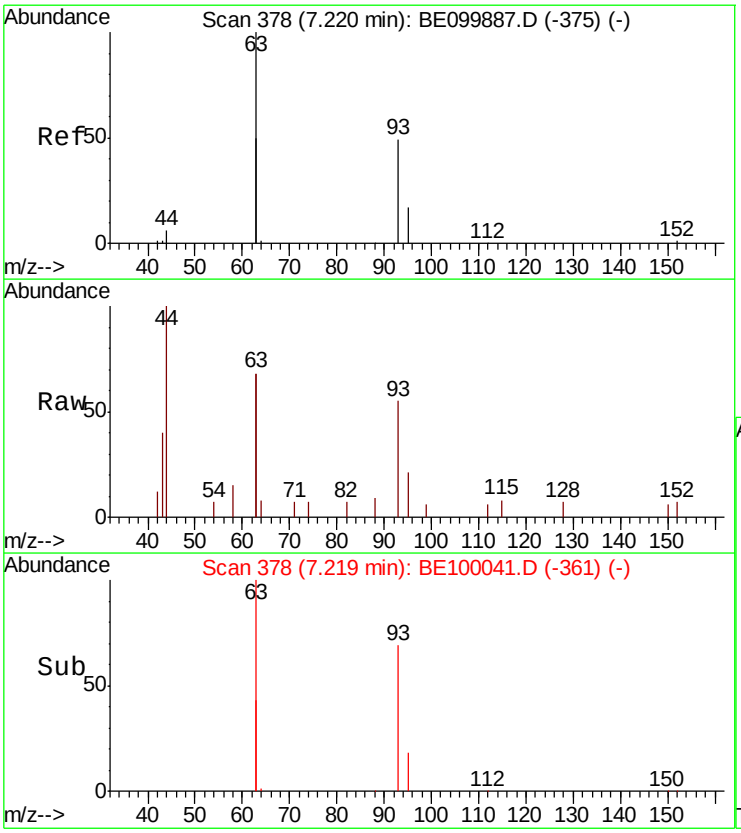
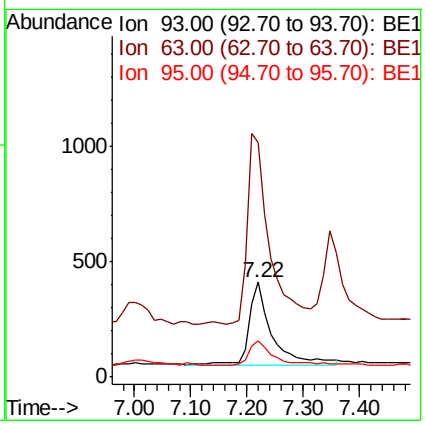


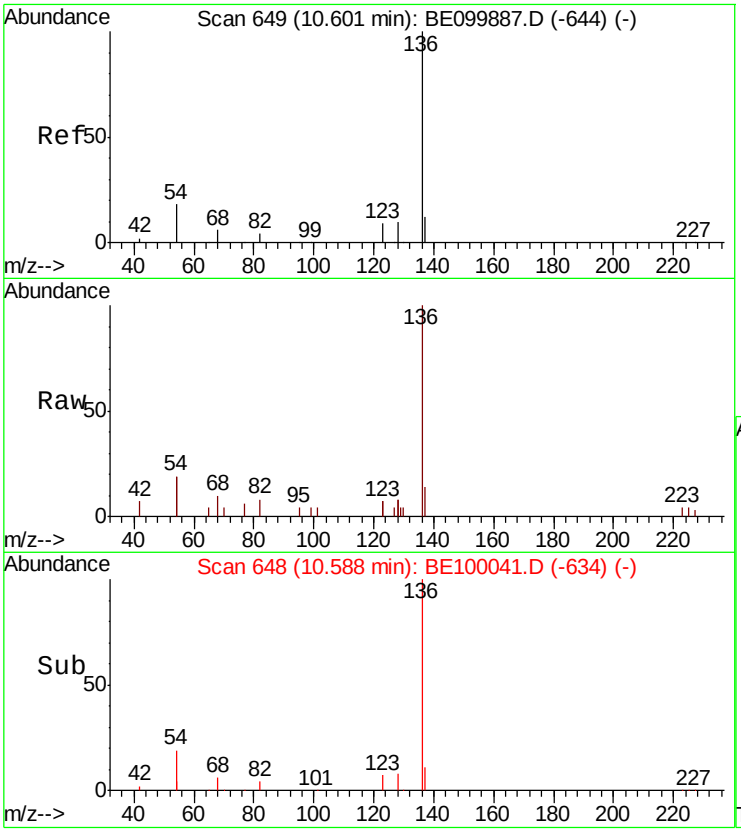


#6
bis(2-Chloroethyl)ether
Concen: 0.432 ng
RT: 7.22 min Scan# 378
Delta R.T. -0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion: 93 Resp: 1028

Ion	Ratio	Lower	Upper
93	100		
63	224.4	202.8	304.2
95	30.2	23.7	35.5

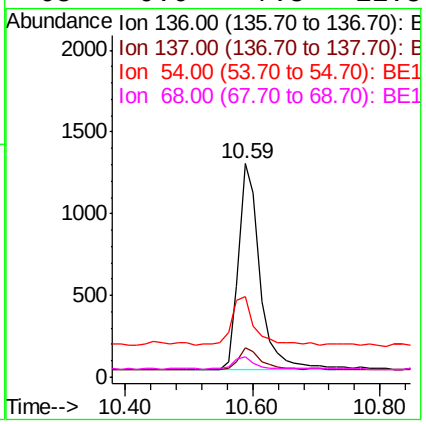




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:136 Resp: 3000

Ion	Ratio	Lower	Upper
136	100		
137	14.0	12.3	18.5
54	37.5	28.2	42.4
68	9.6	7.8	11.8



Instrument :
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ClientSampleId :
RE104D2-20190607MS

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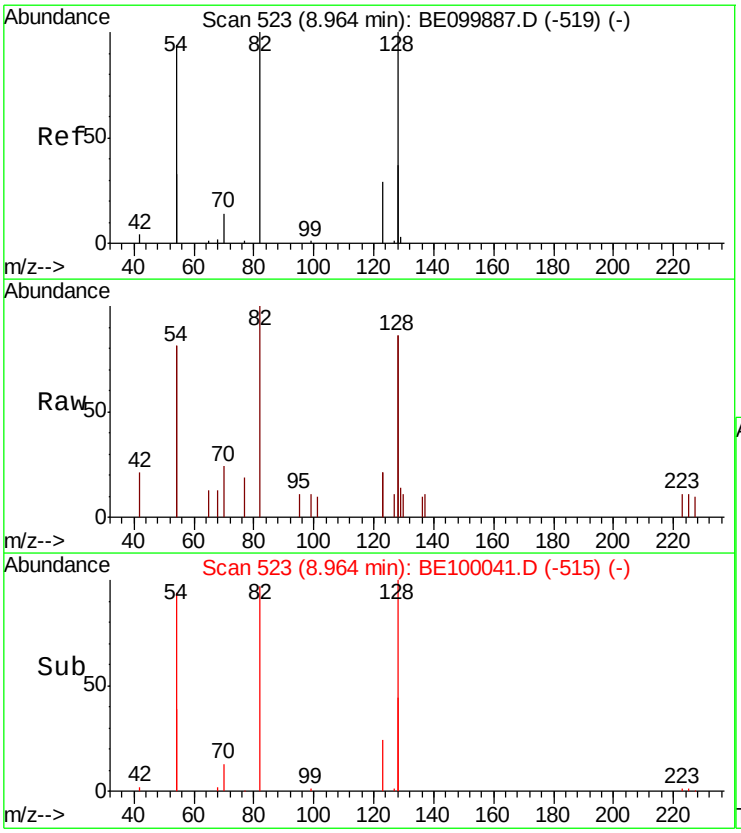
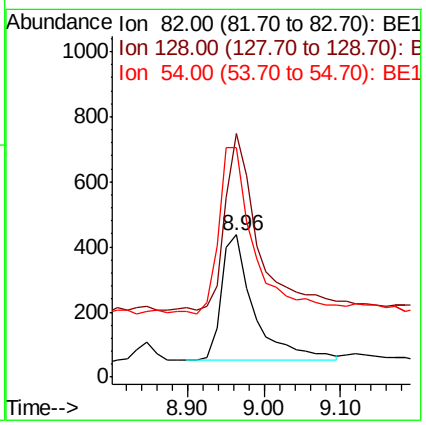
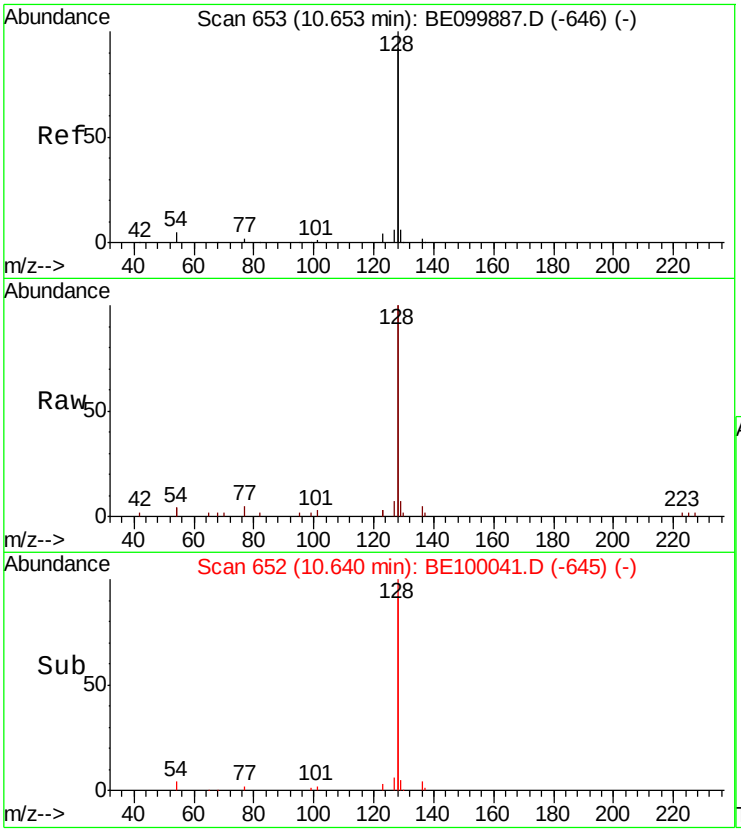


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion: 82 Resp: 1165

Ion	Ratio	Lower	Upper
82	100		
128	171.6	137.3	205.9
54	161.5	129.7	194.5

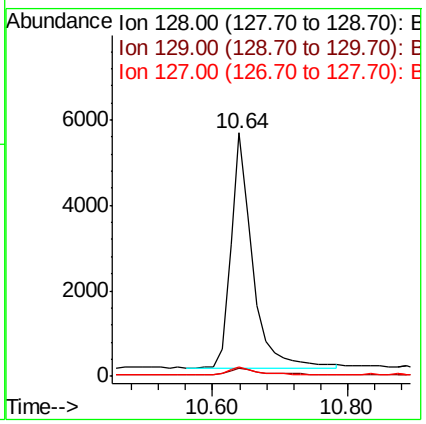




#9
Naphthalene
Concen: 0.378 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:128 Resp: 12255

Ion	Ratio	Lower	Upper
128	100		
129	3.4	3.0	4.6
127	3.6	3.4	5.0



Instrument :
BNA_E
ClientSampleId :
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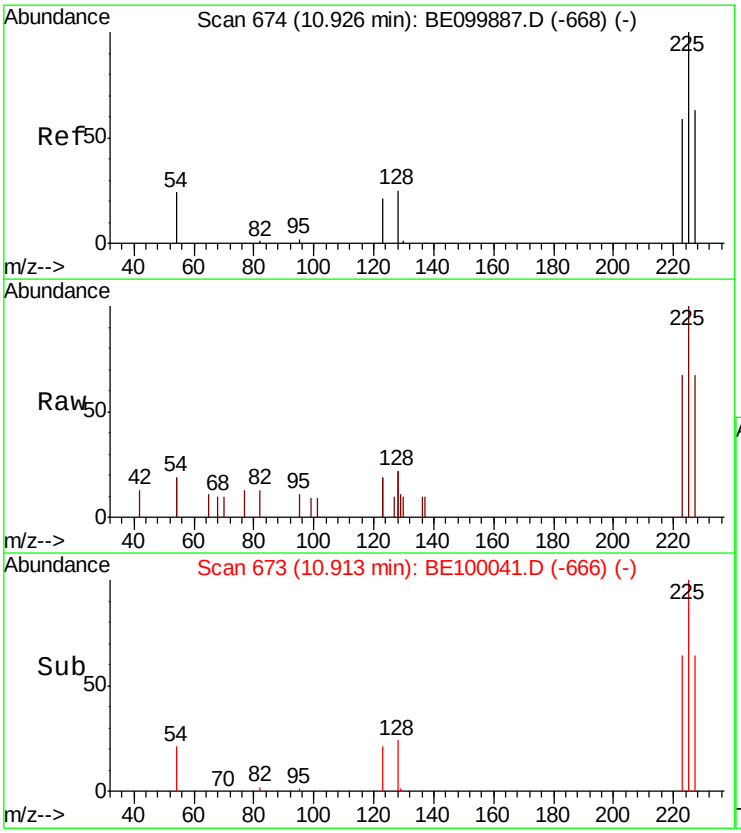
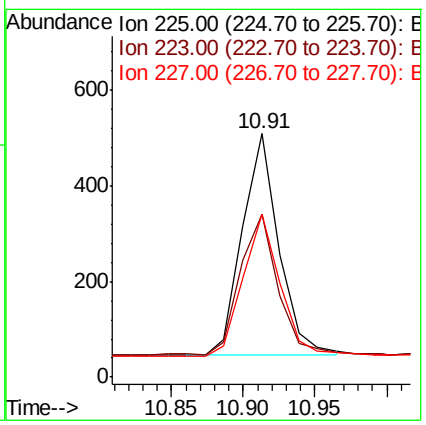
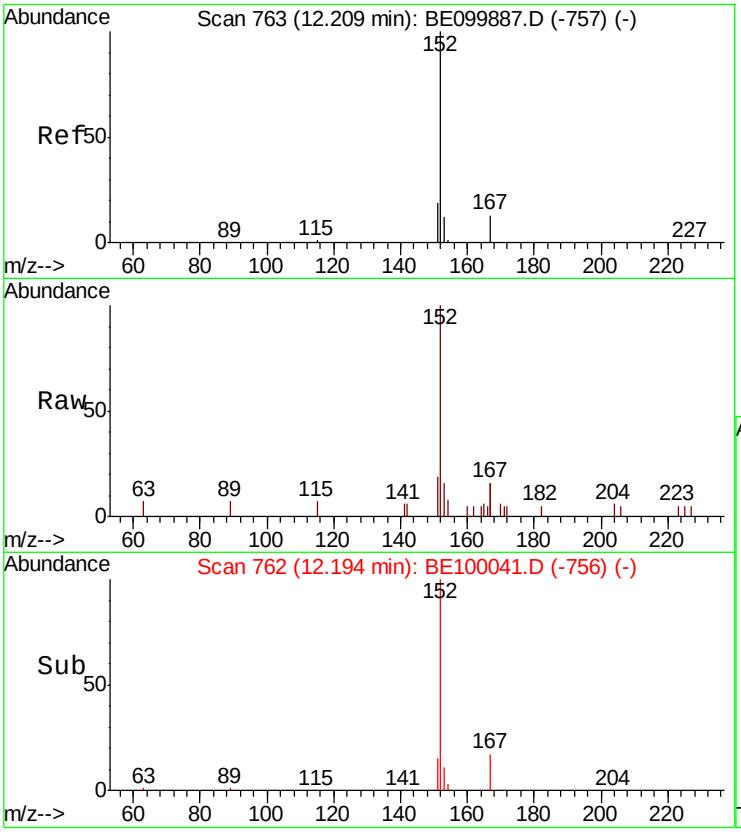


#10
Hexachlorobutadiene
Concen: 0.331 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:225 Resp: 817

Ion	Ratio	Lower	Upper
225	100		
223	66.5	51.6	77.4
227	65.6	50.6	76.0





#11
2-Methylnaphthalene-d10
Concen: 0.310 ng m
RT: 12.19 min Scan# 762
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:152 Resp: 1624

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.2	22.8

Instrument :
BNA_E
ClientSampleId :
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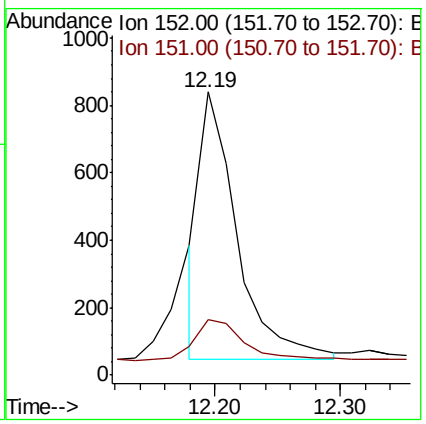
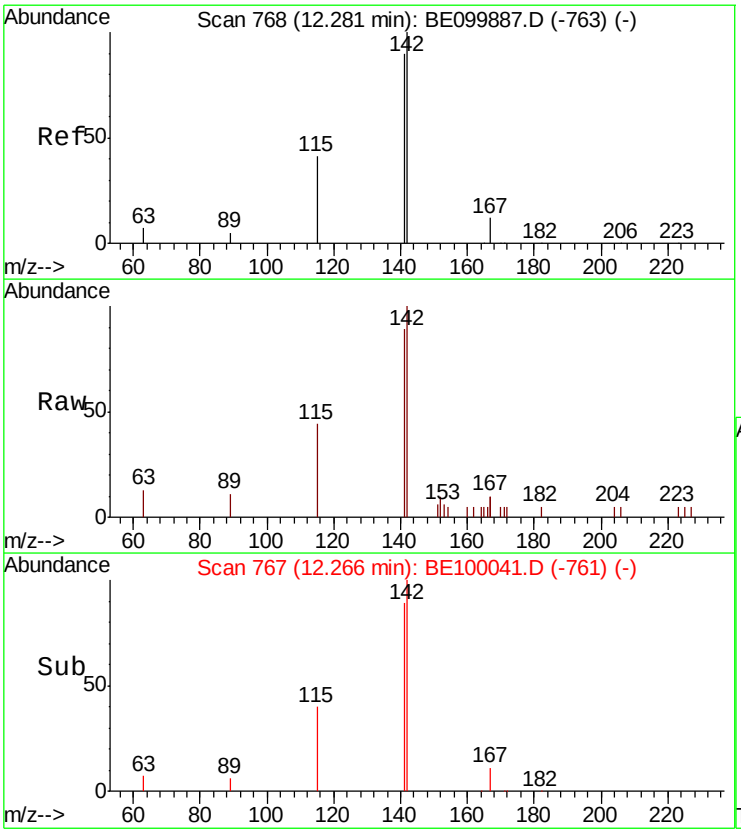
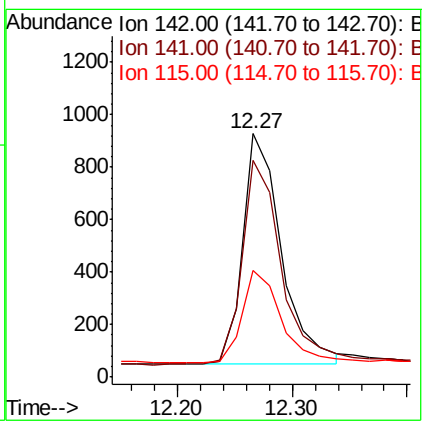


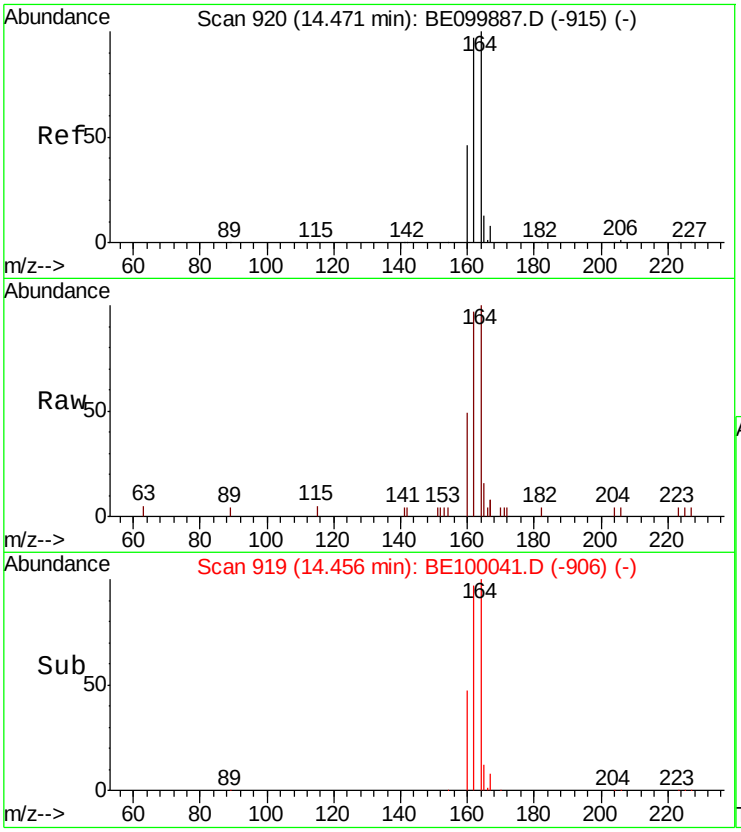


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:142 Resp: 2043

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.3	108.5
115	43.6	36.4	54.6

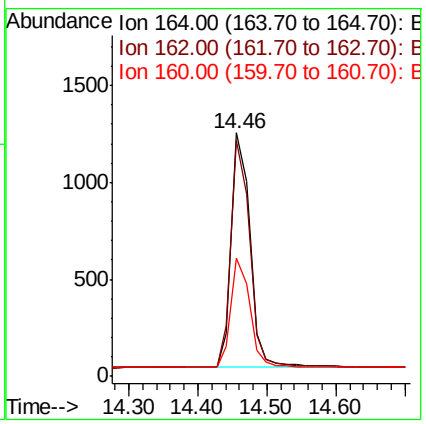




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:164 Resp: 2268

Ion	Ratio	Lower	Upper
164	100		
162	97.0	77.8	116.8
160	48.7	38.2	57.4



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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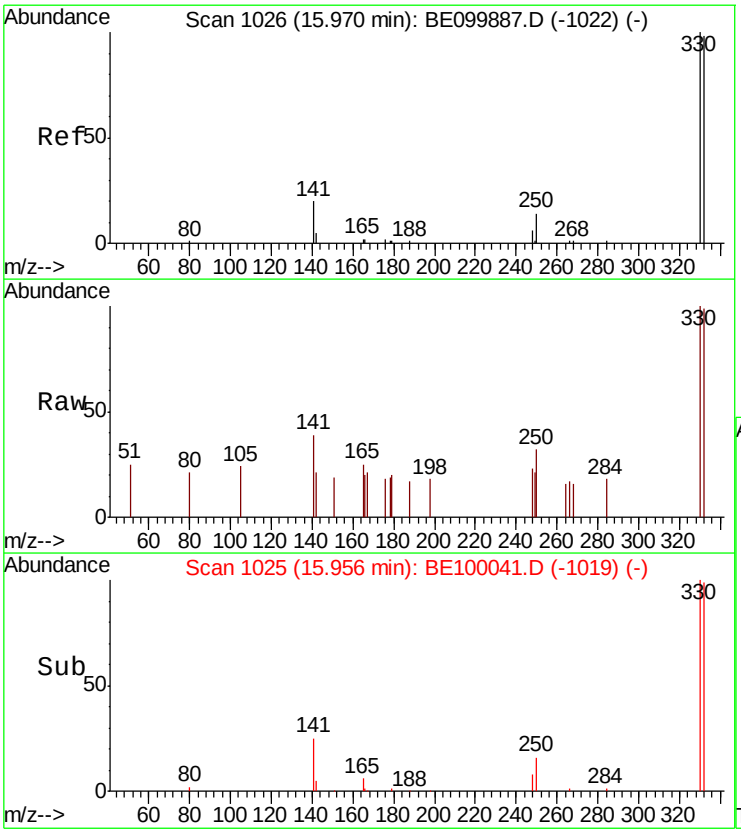
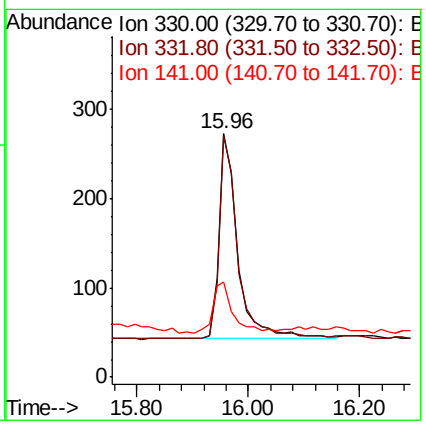
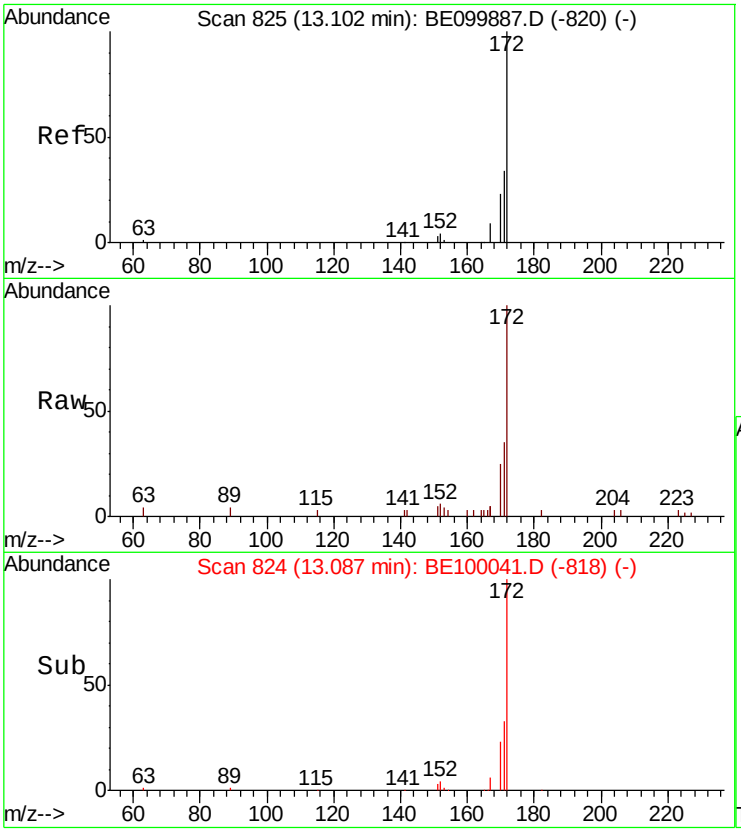


#14
2,4,6-Tribromophenol
Concen: 0.328 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:330 Resp: 550

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.7	115.1
141	26.4	21.0	31.6

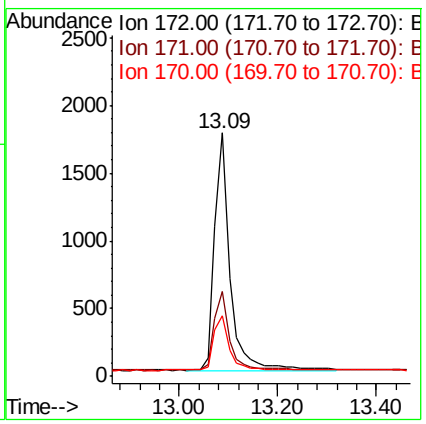




#15
2-Fluorobiphenyl
Concen: 0.435 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:172 Resp: 3741

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.2	43.8
170	24.6	21.2	31.8



Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

Manual Integrations APPROVED
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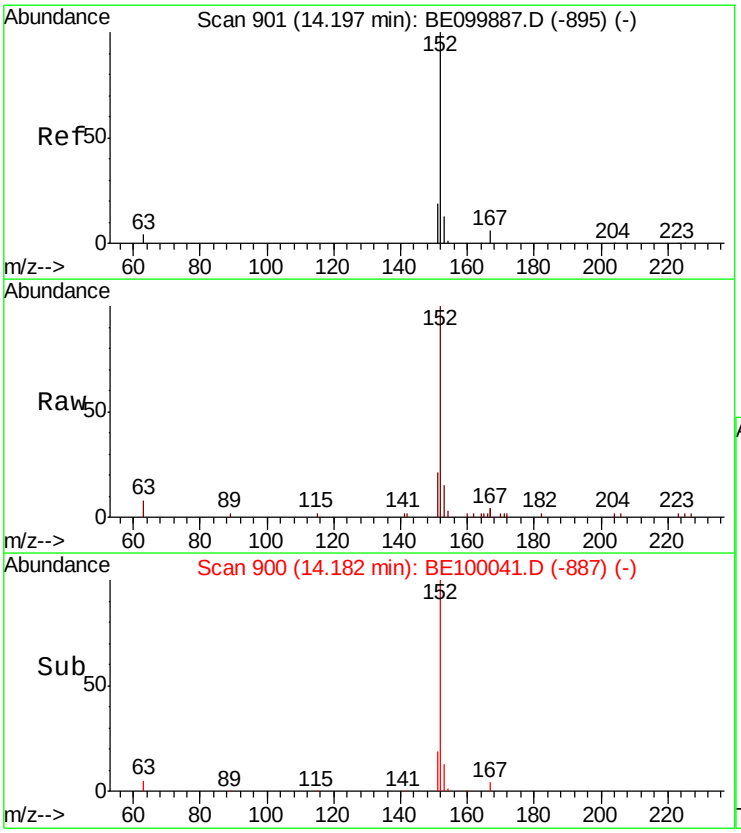
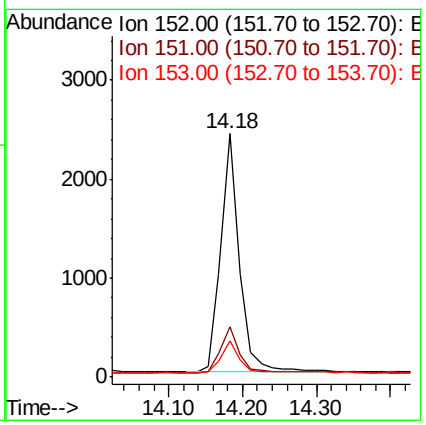
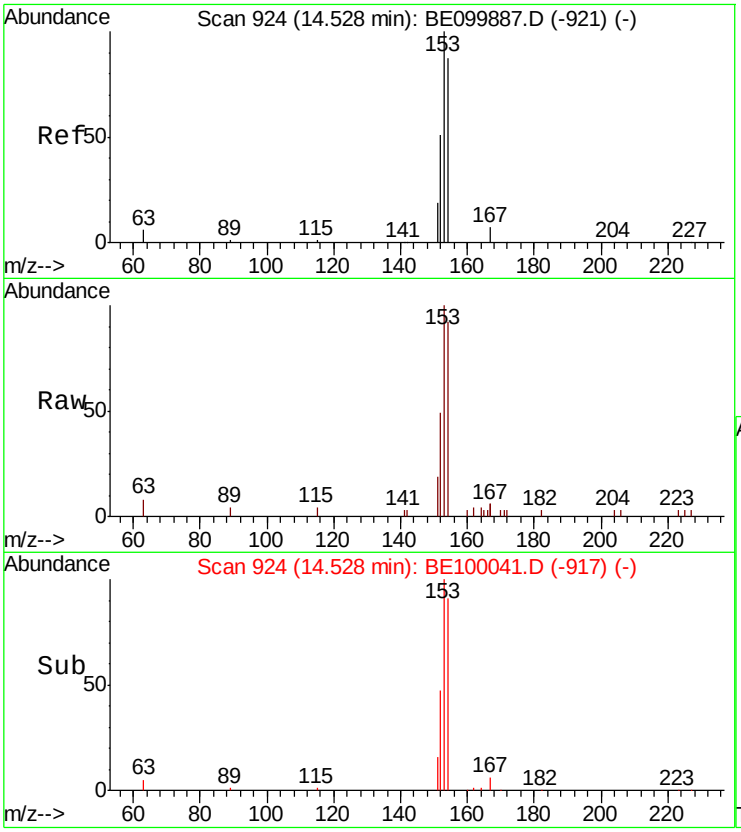


#16
Acenaphthylene
Concen: 0.372 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:152 Resp: 4198

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	12.9	10.2	15.2

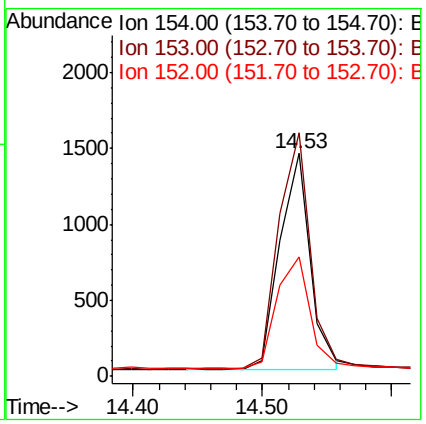




#17
Acenaphthene
Concen: 0.379 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:154 Resp: 2329

Ion	Ratio	Lower	Upper
154	100		
153	113.8	93.1	139.7
152	56.5	47.0	70.4



Instrument :
BNA_E
ClientSampleId :
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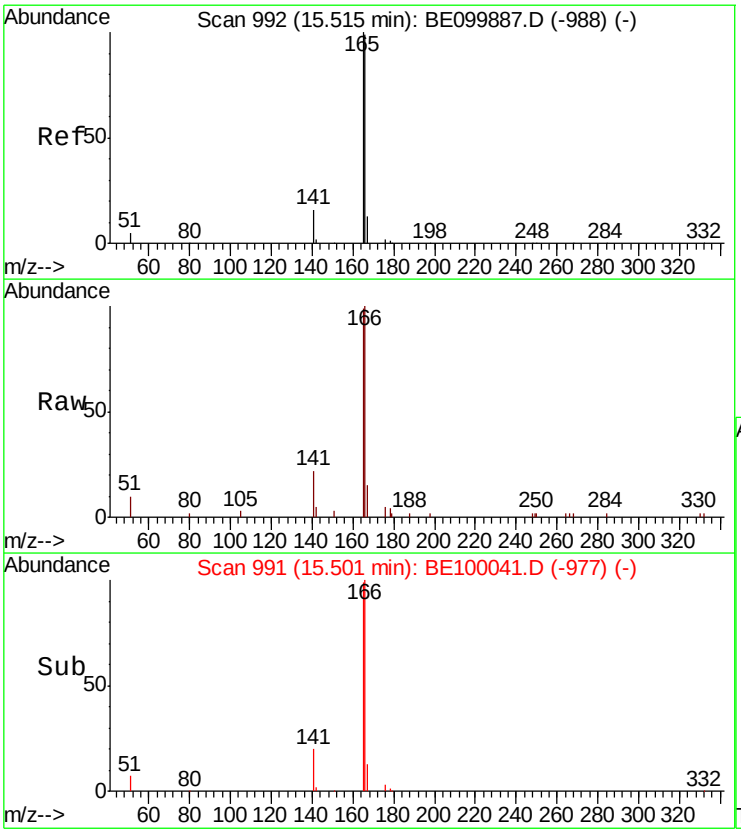
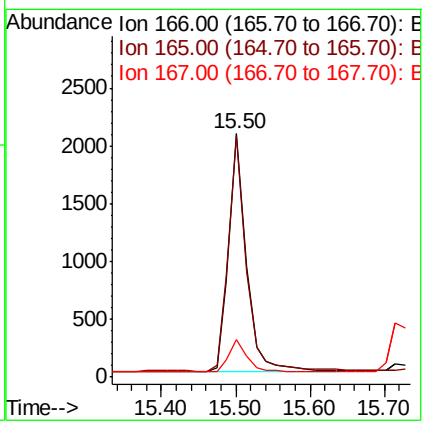
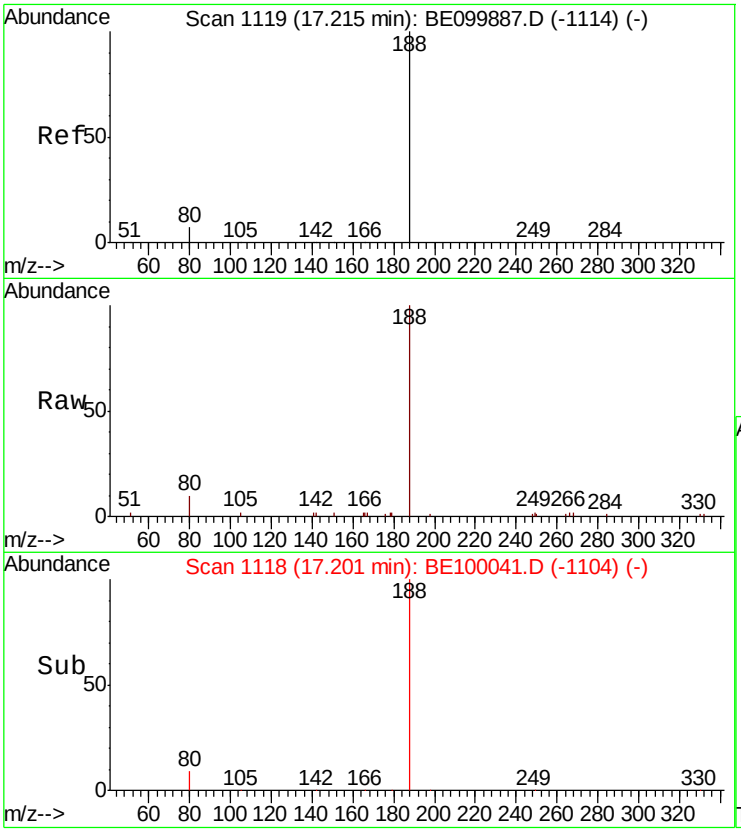


#18
Fluorene
Concen: 0.370 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:166 Resp: 3412

Ion	Ratio	Lower	Upper
166	100		
165	100.1	81.8	122.8
167	13.5	11.2	16.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:188 Resp: 6812

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	6.4	9.6#

Instrument :
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ClientSampleId :
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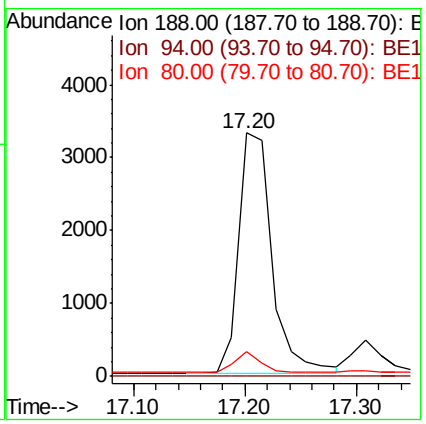
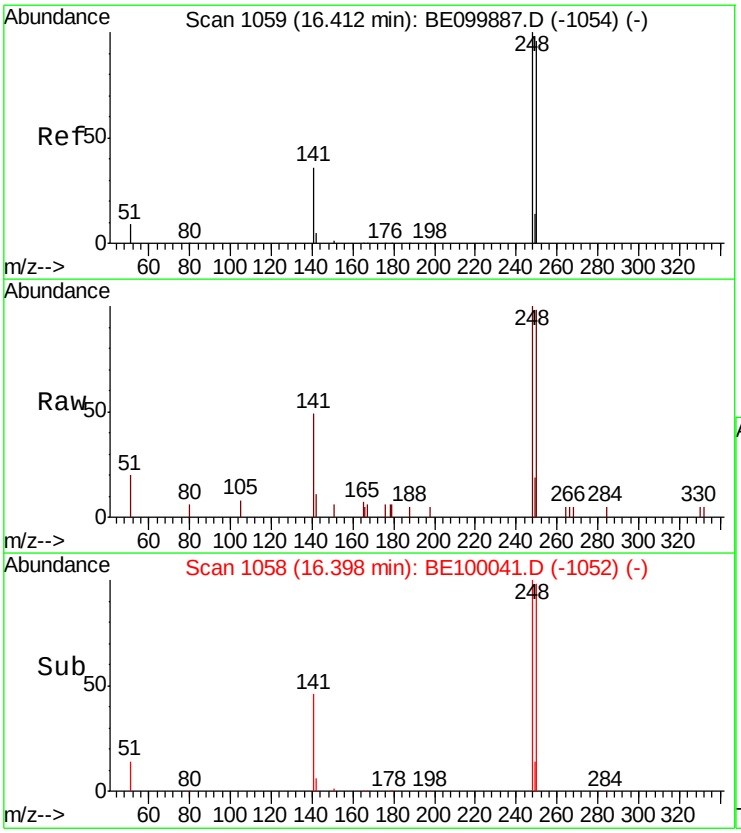
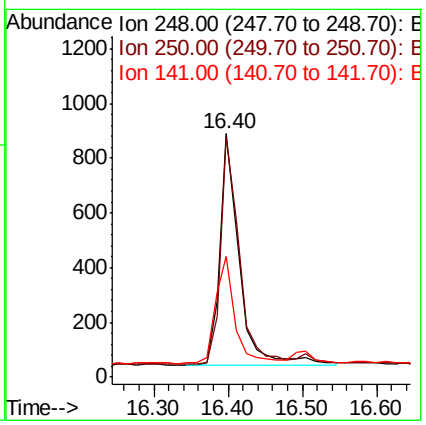


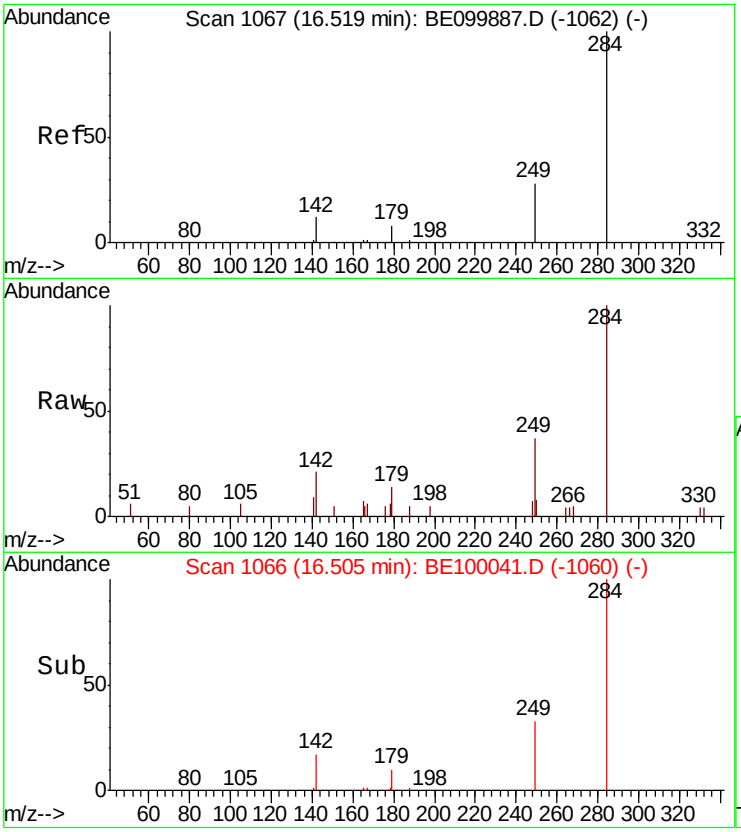


#20
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:248 Resp: 1542

Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.5	116.3
141	49.3	31.8	47.8#

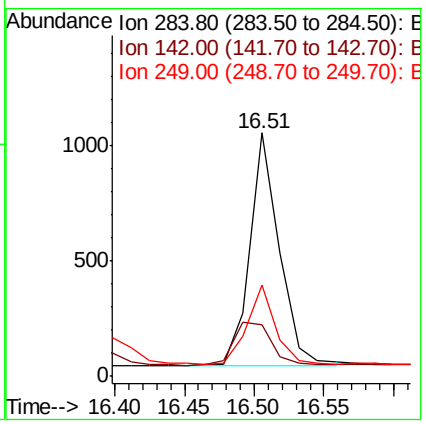




#21
Hexachlorobenzene
Concen: 0.378 ng
RT: 16.51 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:284 Resp: 1489

Ion	Ratio	Lower	Upper
284	100		
142	23.8	18.2	27.4
249	31.8	24.6	37.0



Instrument :
BNA_E
ClientSampleId :
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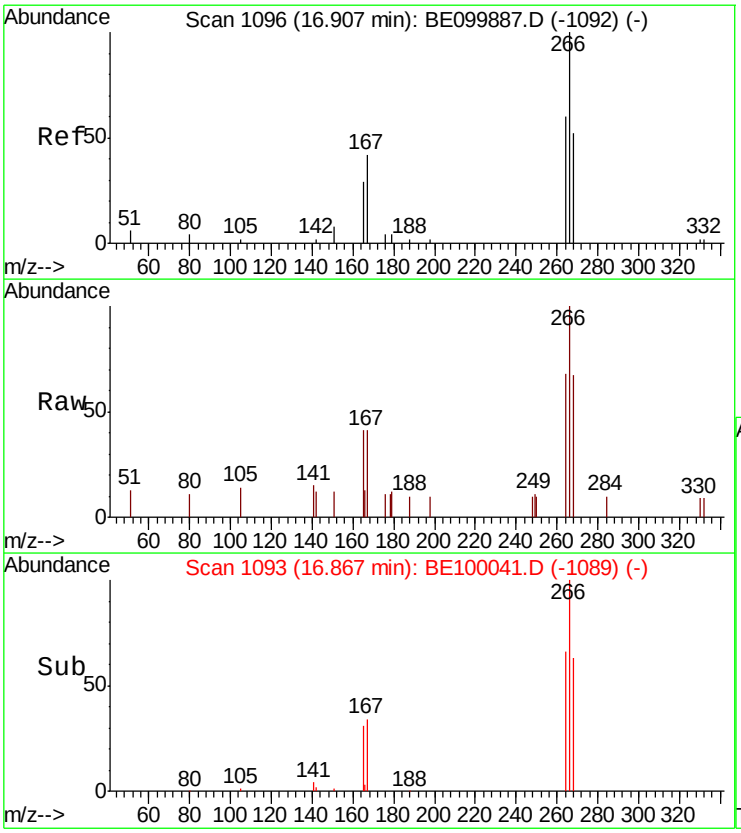
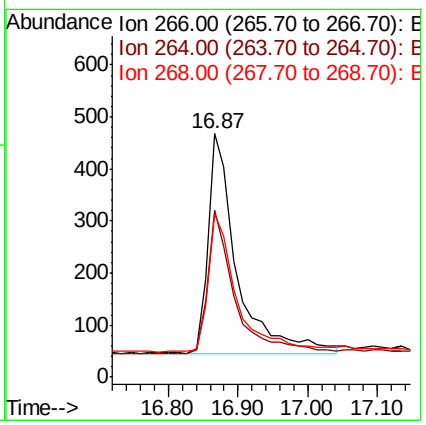
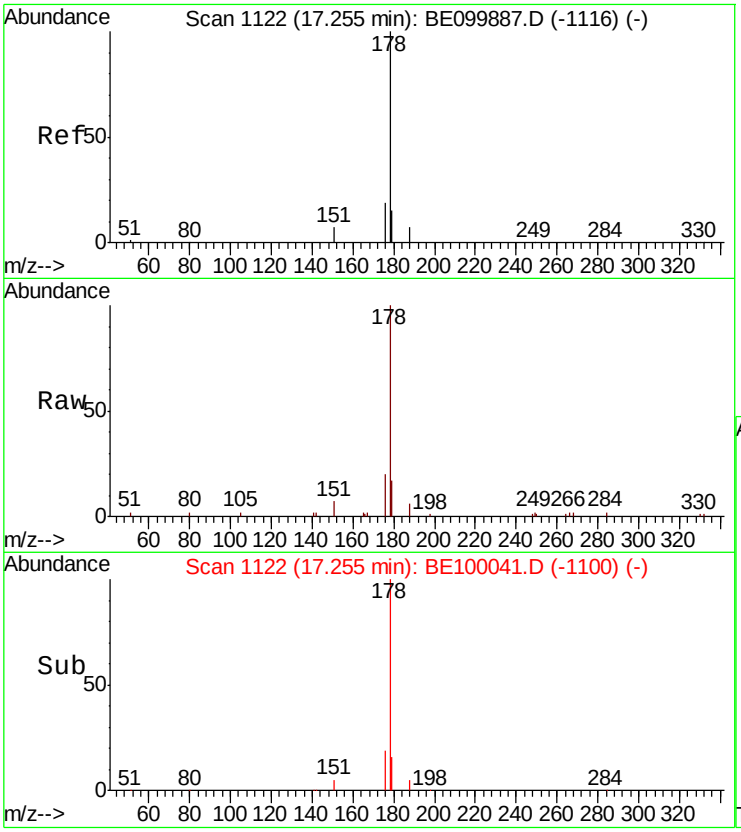


#22
Pentachlorophenol
Concen: 0.948 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.04 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:266 Resp: 1230

Ion	Ratio	Lower	Upper
266	100		
264	68.4	62.2	93.2
268	67.1	65.5	98.3





#23
Phenanthrene
Concen: 0.392 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:178 Resp: 6478

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.2	12.4	18.6

Instrument :
BNA_E
ClientSampleId :
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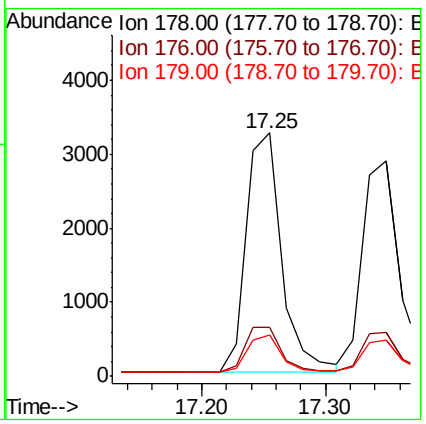
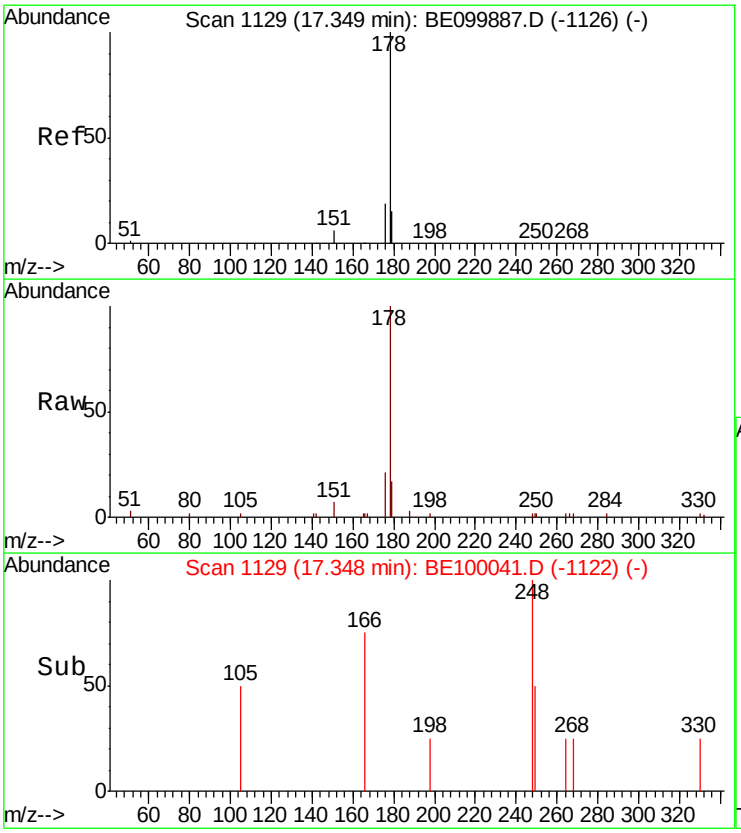
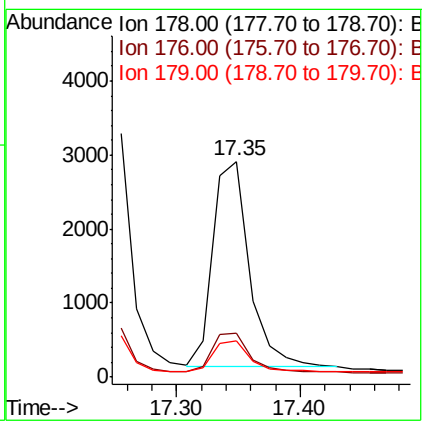


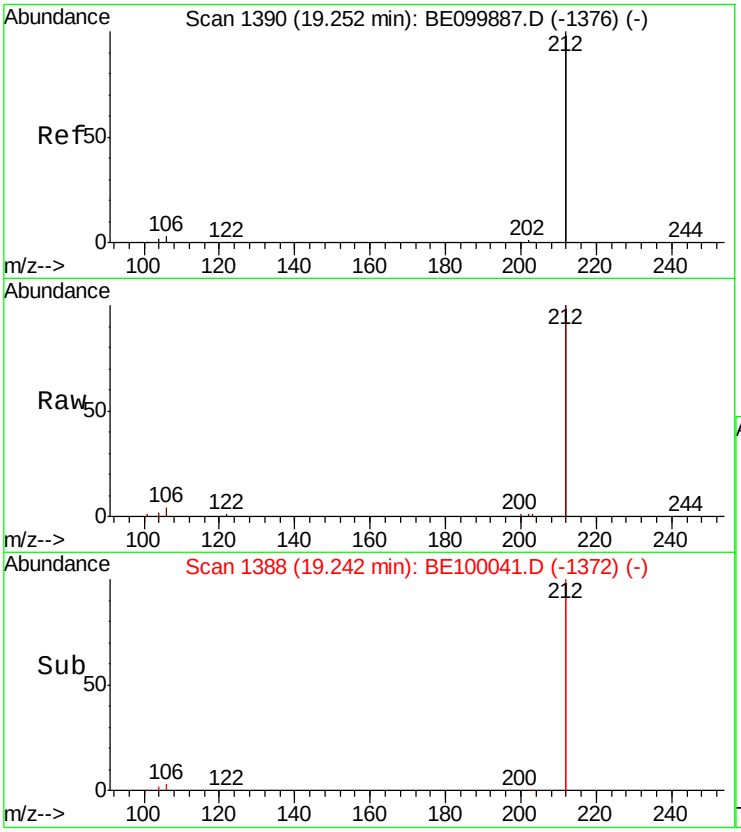


#24
Anthracene
Concen: 0.375 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:178 Resp: 5677

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.6	22.0
179	15.0	12.3	18.5

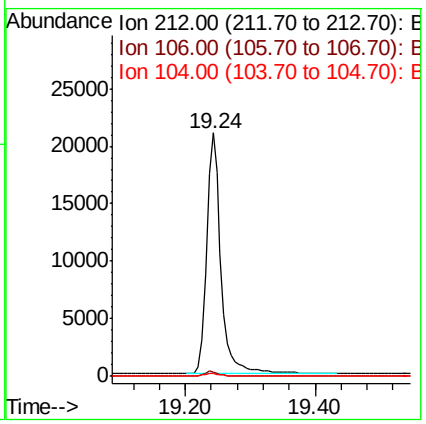




#25
Fluoranthene-d10
Concen: 0.330 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:212 Resp: 32728

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



Instrument :
BNA_E
ClientSampleId :
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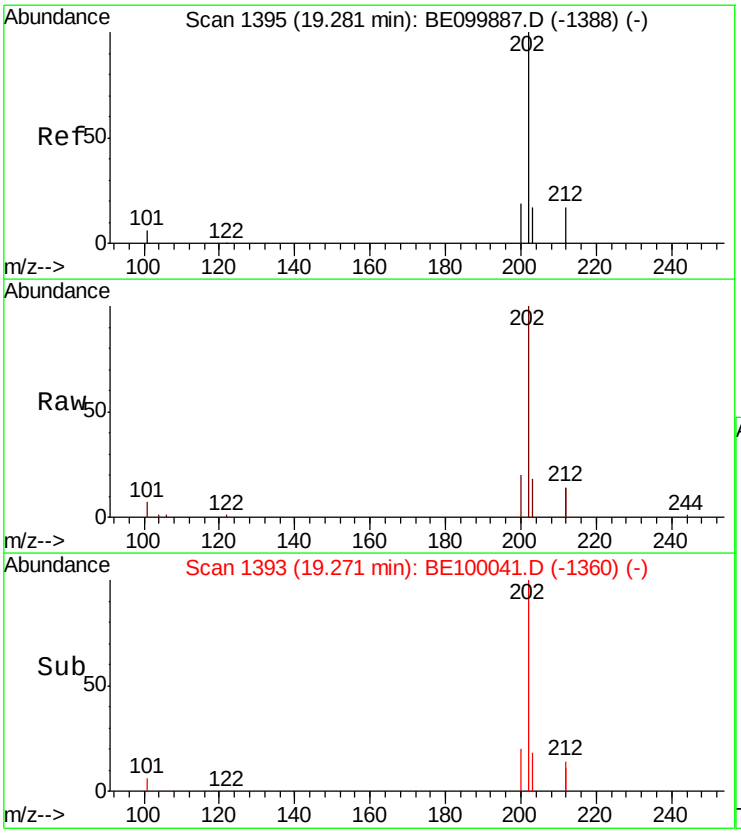
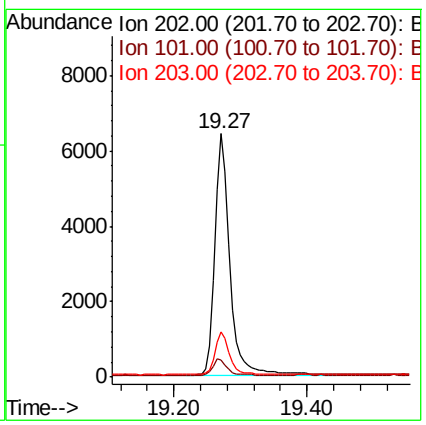
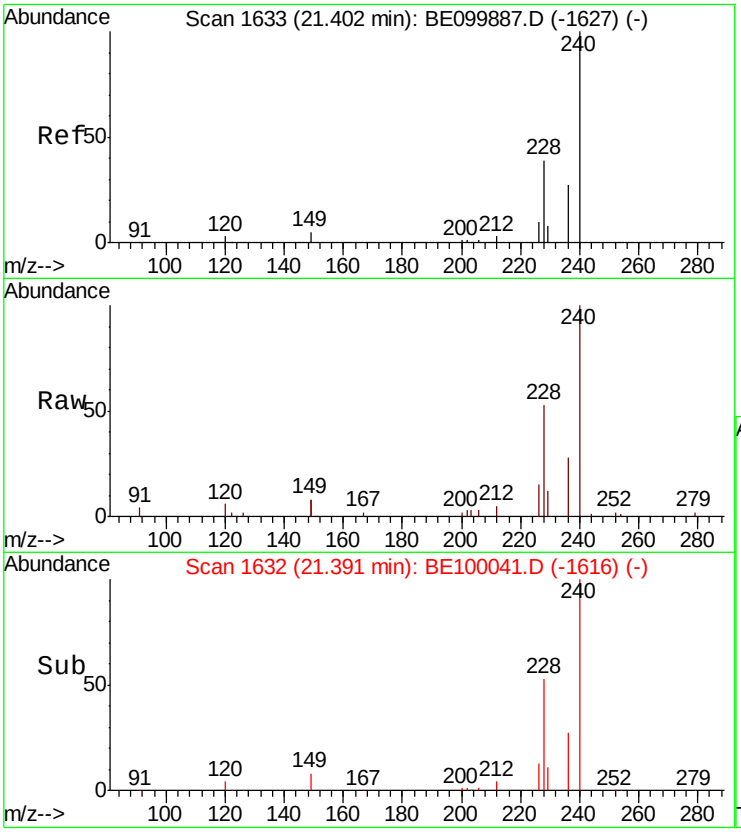


#26
Fluoranthene
Concen: 0.353 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:202 Resp: 9931

Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.4	8.0
203	17.9	13.2	19.8





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:240 Resp: 8841

Ion	Ratio	Lower	Upper
240	100		
120	6.1	3.8	5.6#
236	28.3	22.0	33.0

Instrument :
BNA_E
ClientSampleId :
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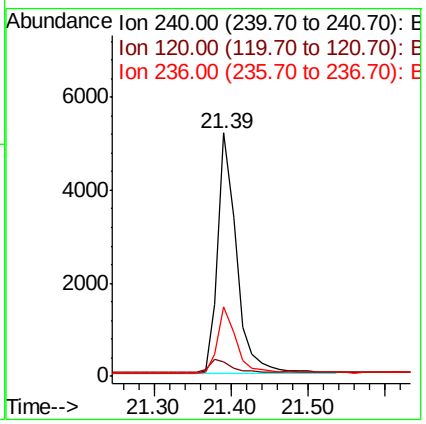
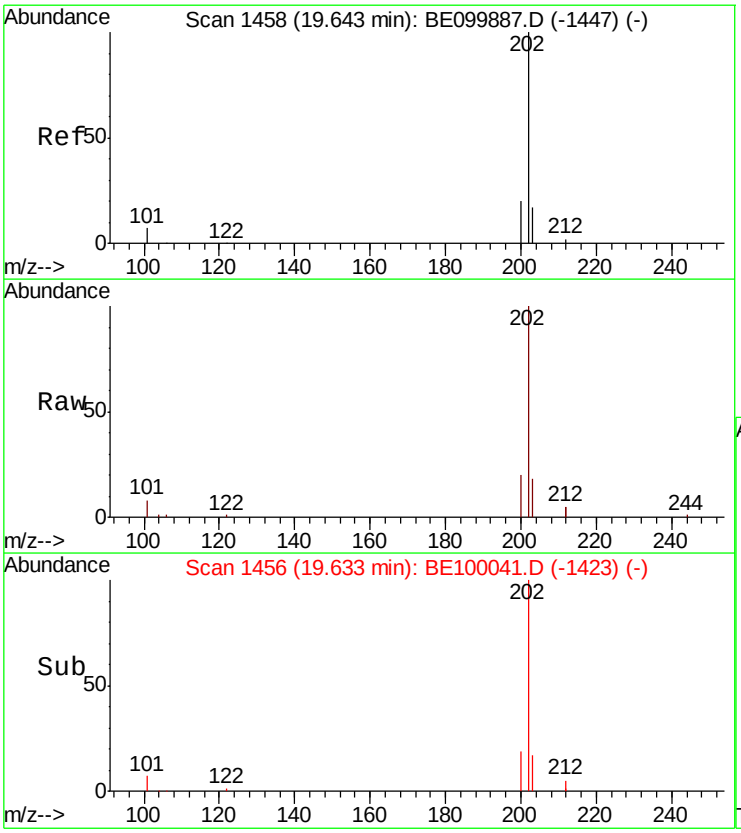
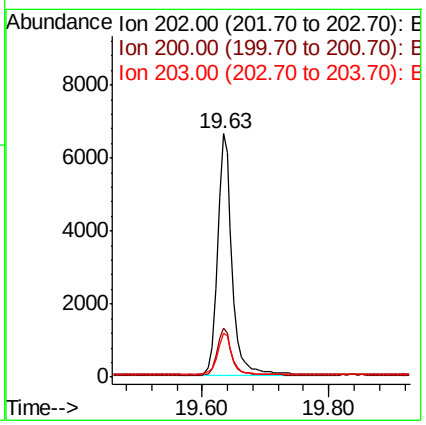


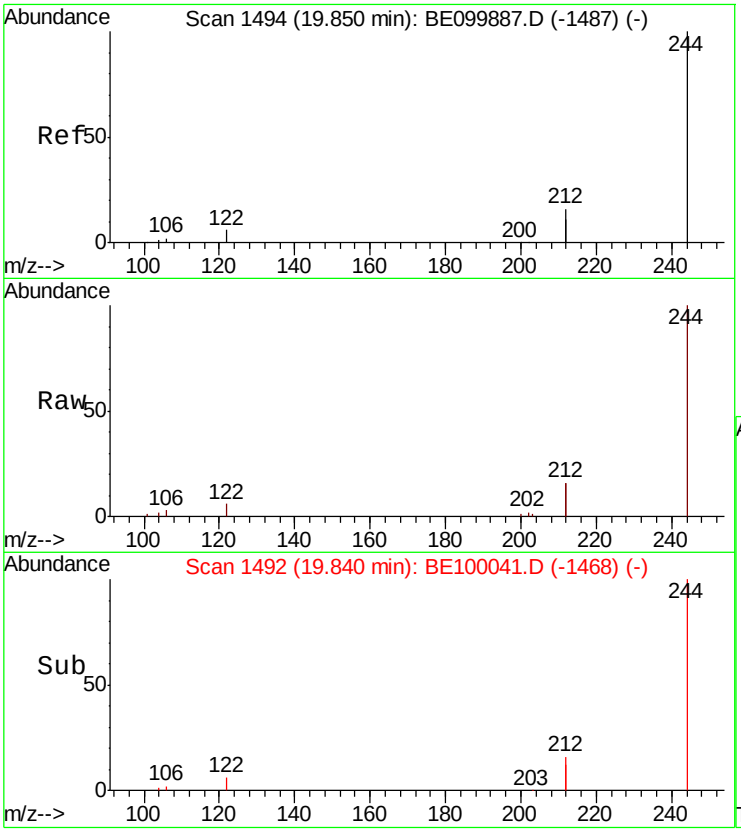


#28
Pyrene
Concen: 0.448 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:202 Resp: 10407

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.5	23.3
203	17.6	14.0	21.0

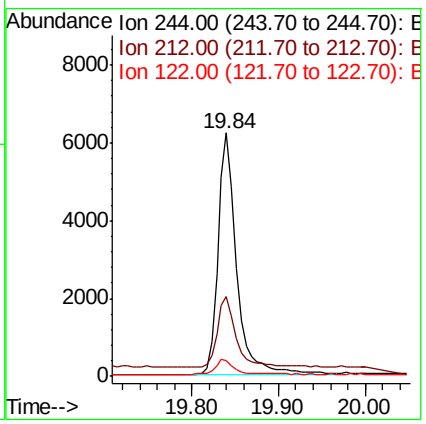




#29
Terphenyl-d14
Concen: 0.583 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:244 Resp: 9279

Ion	Ratio	Lower	Upper
244	100		
212	32.7	25.7	38.5
122	6.3	5.5	8.3



Instrument :
BNA_E
ClientSampleId :
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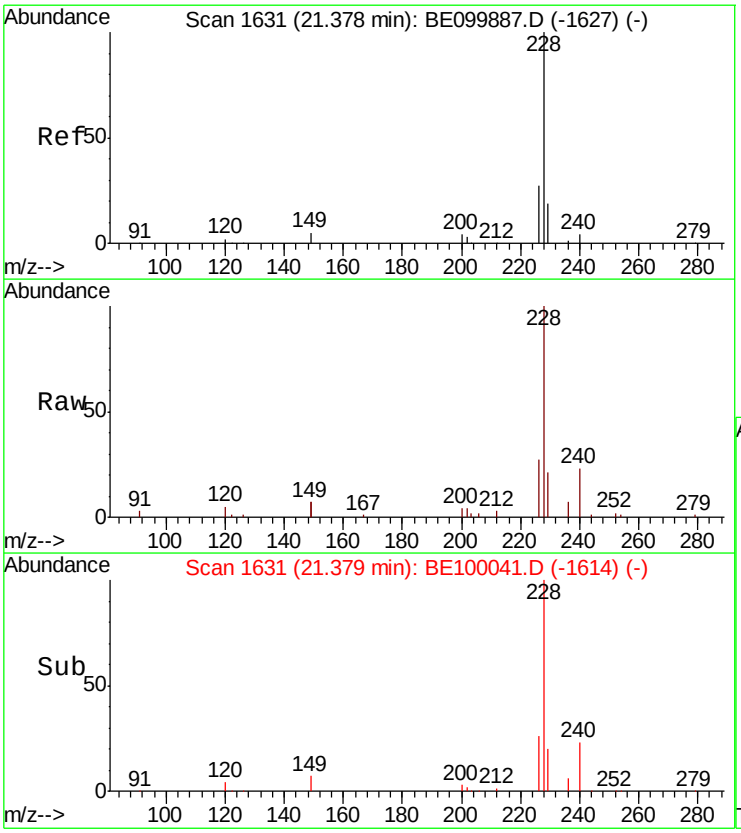
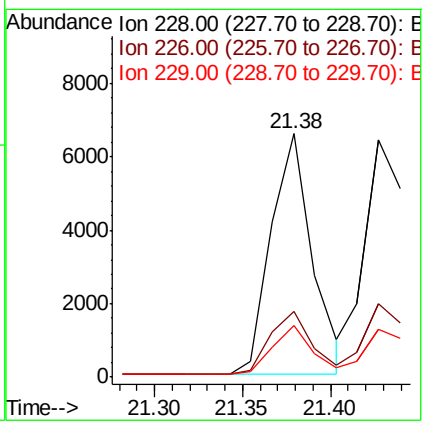
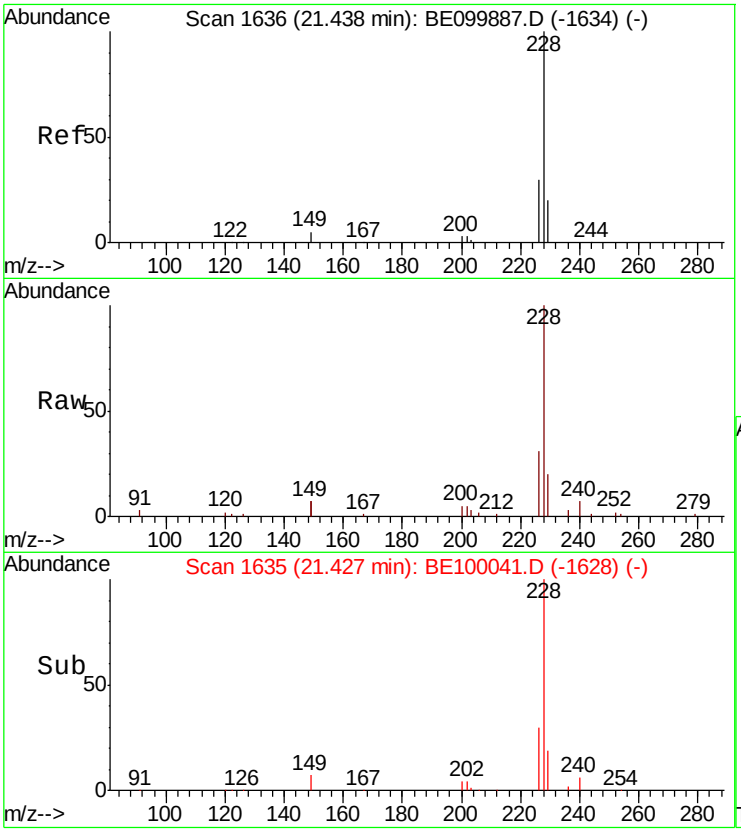


#30
Benzo(a)anthracene
Concen: 0.406 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:228 Resp: 10726

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.5	33.7
229	21.4	15.9	23.9

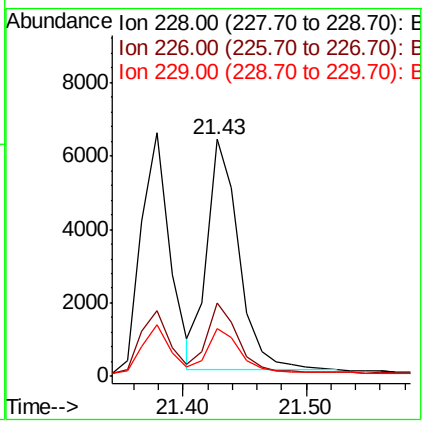




#31
Chrysene
Concen: 0.413 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:228 Resp: 11283

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	19.9	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

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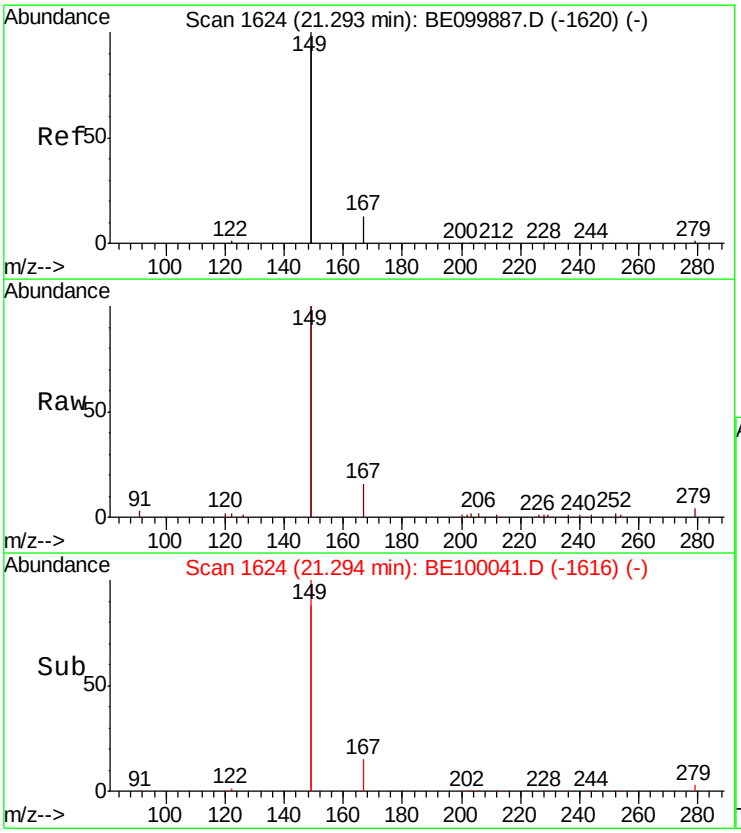
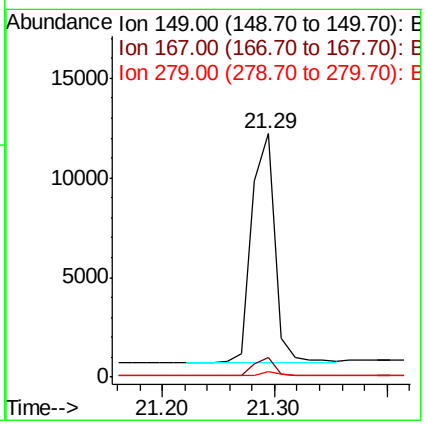
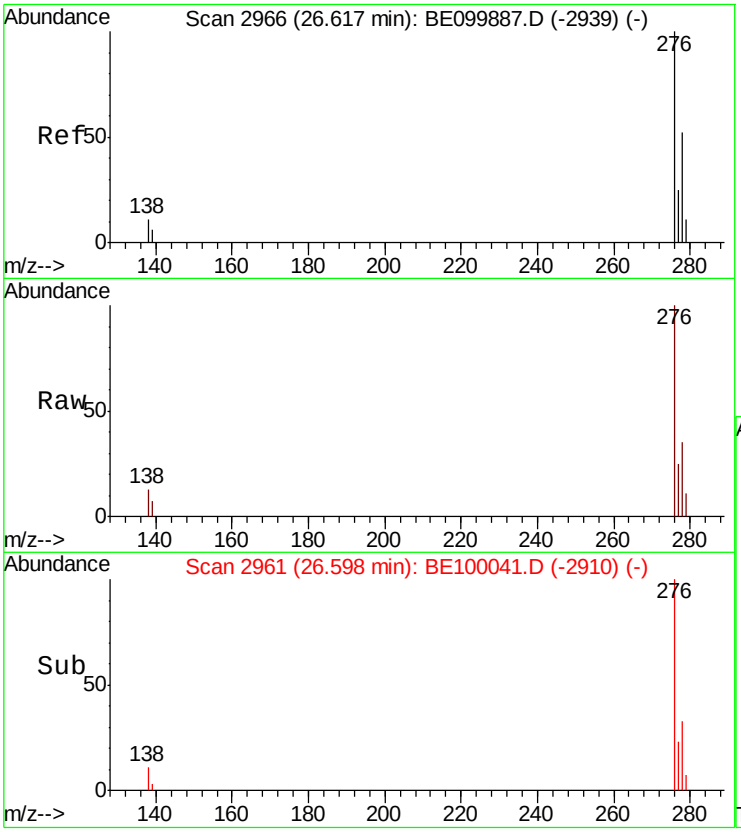


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.441 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:149 Resp: 16732

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.9	8.9
279	1.5	1.2	1.8

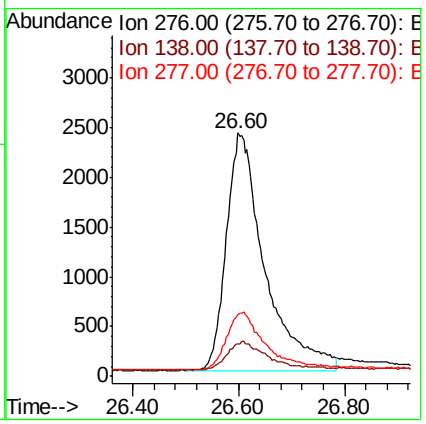




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 26.60 min Scan# 2961
Delta R.T. -0.02 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:276 Resp: 12059

Ion	Ratio	Lower	Upper
276	100		
138	11.5	10.1	15.1
277	24.0	19.1	28.7



Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

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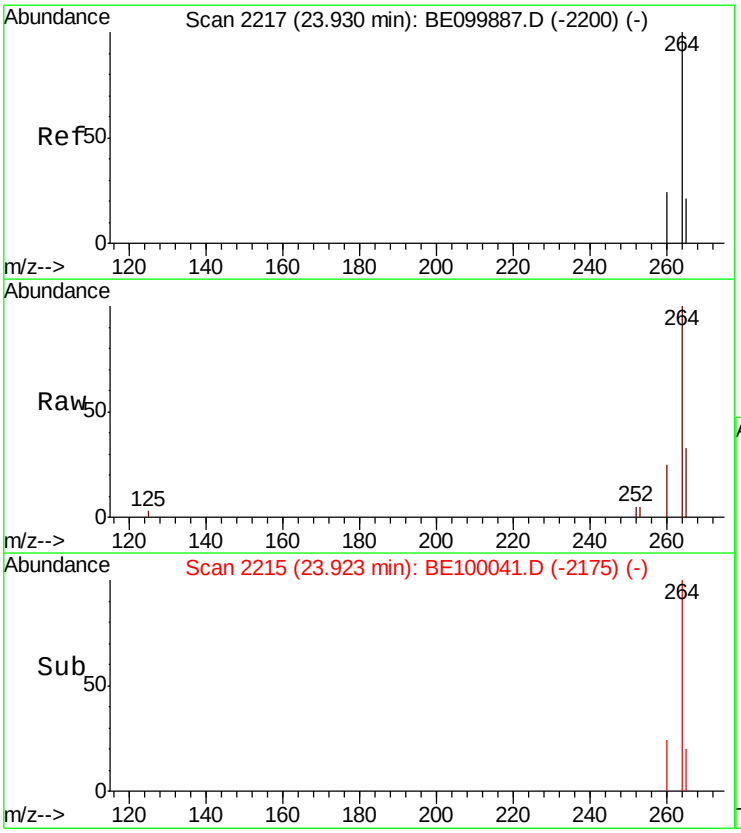
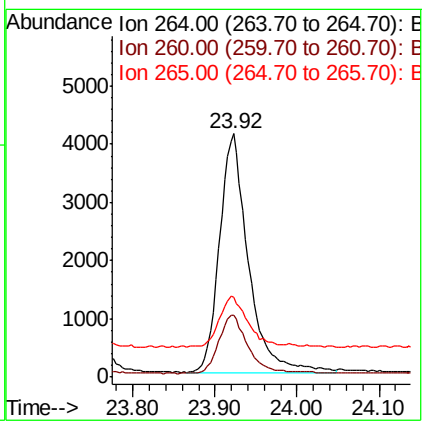
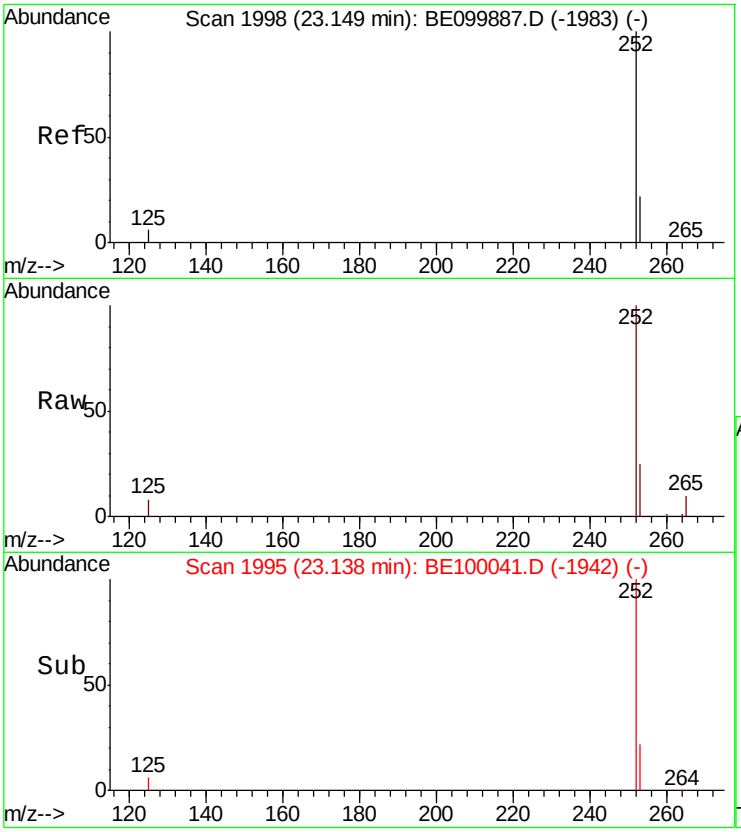


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:264 Resp: 9987

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	32.8	22.0	33.0

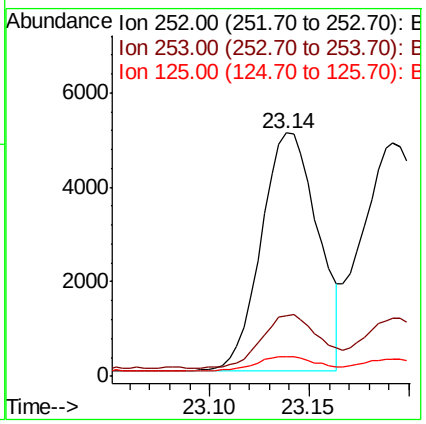




#35
Benzo(b)fluoranthene
Concen: 0.356 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:252 Resp: 9968

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.7	28.1
125	8.1	5.7	8.5



Instrument :
BNA_E
ClientSampleId :
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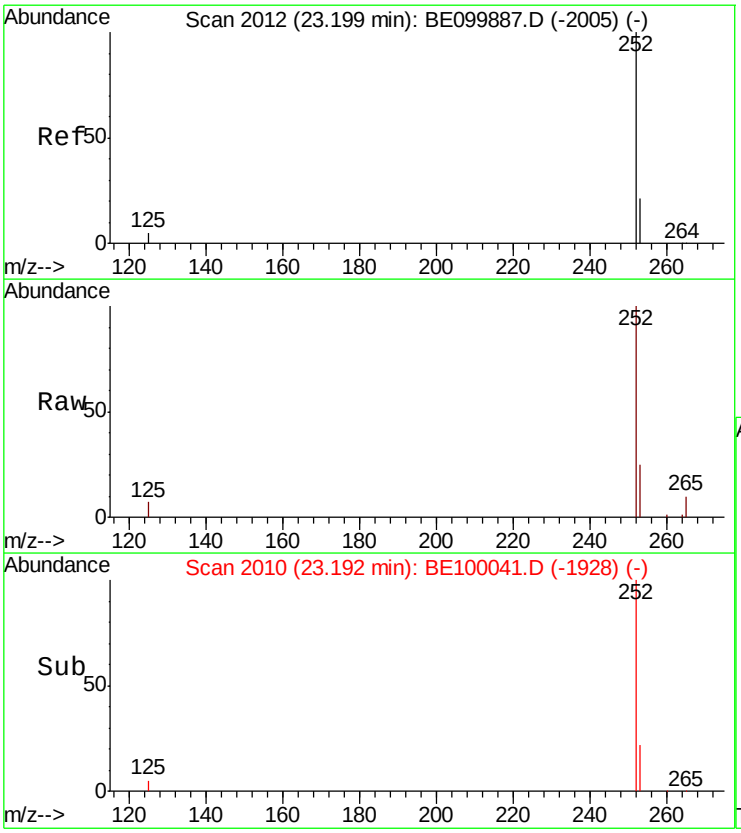
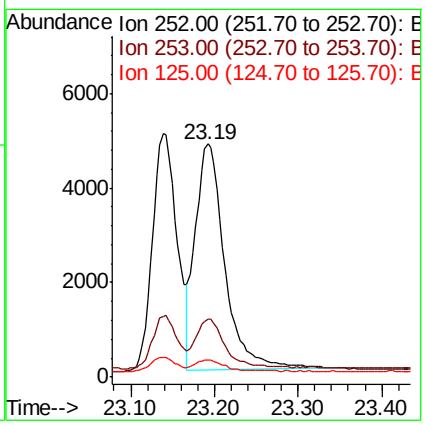
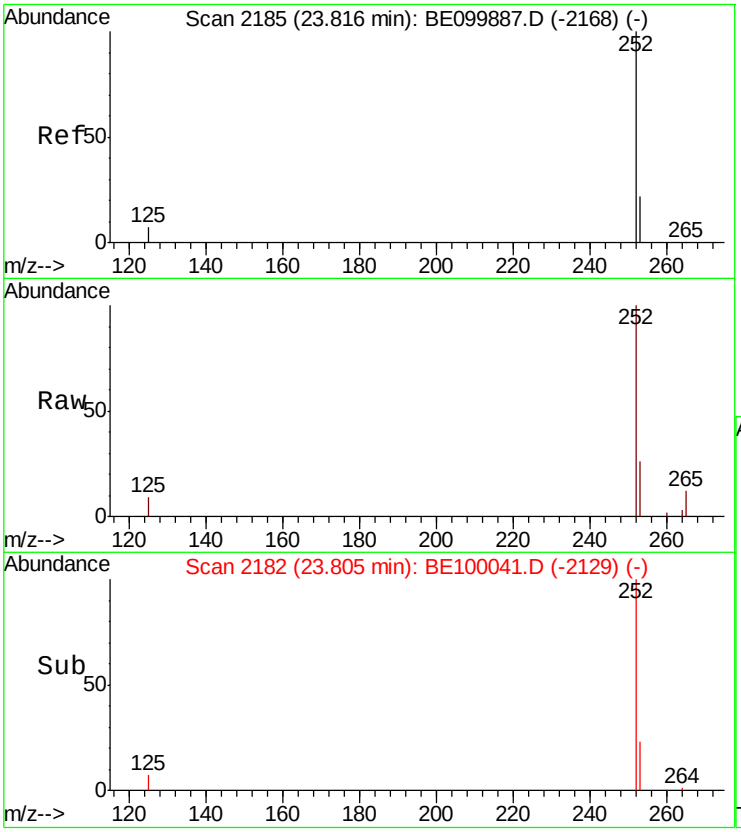


#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.19 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:252 Resp: 11757

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.6	28.0
125	7.4	5.4	8.0





#37
Benzo(a)pyrene
Concen: 0.379 ng
RT: 23.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:252 Resp: 10457

Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.6	29.4
125	9.5	6.6	10.0

Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

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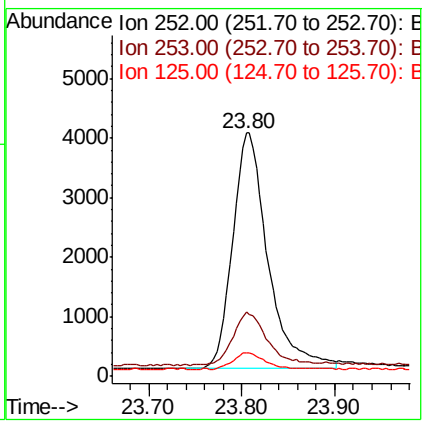
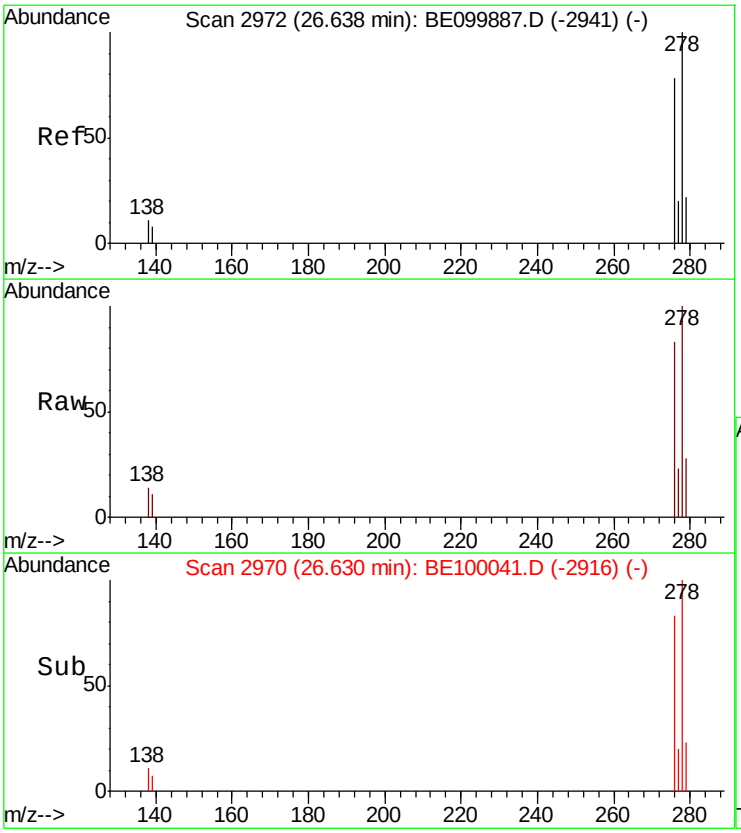
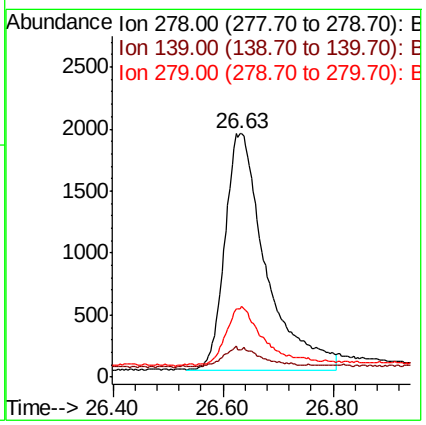


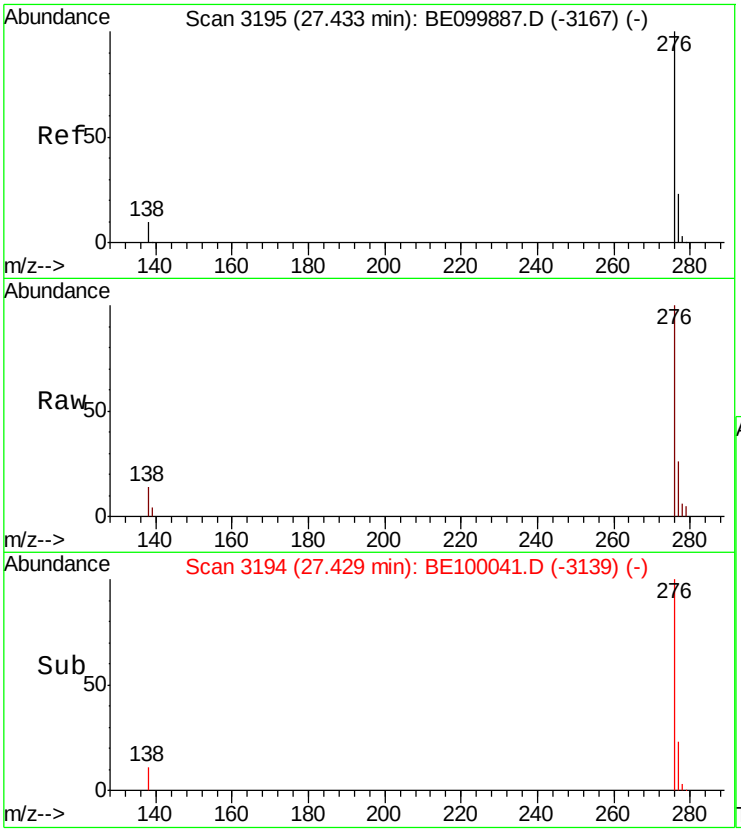


#38
Dibenzo(a,h)anthracene
Concen: 0.355 ng
RT: 26.63 min Scan# 2970
Delta R.T. -0.01 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:278 Resp: 9866

Ion	Ratio	Lower	Upper
278	100		
139	11.5	7.8	11.8
279	27.8	20.0	30.0

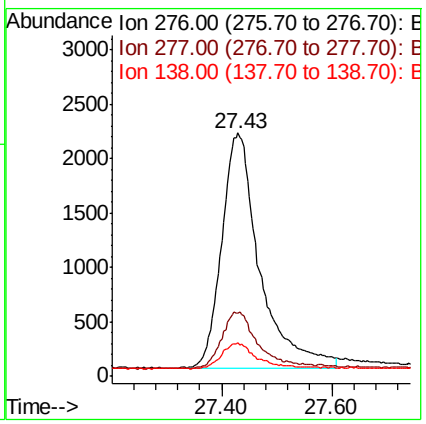




#39
Benzo(g,h,i)perylene
Concen: 0.361 ng
RT: 27.43 min Scan# 3194
Delta R.T. -0.00 min
Lab File: BE100041.D
Acq: 15 Jun 2019 1:57

Tgt Ion:276 Resp: 10353

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.5	29.3
138	14.1	9.5	14.3



Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MS

Manual Integrations APPROVED
mohammad
6/17/2019 4:51:52 PM