Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
Data File : BE101057.D
Acq On : 14 Jan 2020 18:27
Operator : JU
Sample : L1103-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : DUP-01-01092020

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Quant Time: Jan 15 10:19:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3723	0.40	ng		0.00
7) Naphthalene-d8	10.50	136	19671	0.40	ng		0.00
13) Acenaphthene-d10	14.36	164	14138	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	31774	0.40	ng		0.00
27) Chrysene-d12	21.27	240	31018	0.40	ng		-0.01
34) Perylene-d12	23.69	264	34432	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	276	0.03	ng		0.00
5) Phenol-d6	6.92	99	268	0.03	ng		0.00
8) Nitrobenzene-d5	8.87	82	224	0.02	ng		0.00
11) 2-Methylnaphthalene-d10	12.09	152	729	0.02	ng		-0.02
14) 2,4,6-Tribromophenol	15.84	330	123	0.03	ng		-0.01
15) 2-Fluorobiphenyl	12.99	172	1077	0.02	ng		-0.02
25) Fluoranthene-d10	19.12	212	8422	0.02	ng		-0.01
29) Terphenyl-d14	19.72	244	2000	0.03	ng		-0.01
Target Compounds							Qvalue
9) Naphthalene	10.55	128	244567	1.120	ng		100
12) 2-Methylnaphthalene	12.17	142	16210	0.491	ng		99
16) Acenaphthylene	14.08	152	54944	0.954	ng		99
17) Acenaphthene	14.41	154	1972	0.048	ng	#	82
18) Fluorene	15.39	166	17096	0.328	ng		97
23) Phenanthrene	17.13	178	306213	3.529	ng		99
24) Anthracene	17.21	178	64993	0.794	ng		99
26) Fluoranthene	19.15	202	470821	4.333	ng		98
28) Pyrene	19.51	202	764258	6.619	ng		98
30) Benzo(a)anthracene	21.26	228	383022m	4.327	ng		
31) Chrysene	21.31	228	350025	2.661	ng		96
33) Indeno(1,2,3-cd)pyrene	26.23	276	327811	3.154	ng		97
35) Benzo(b)fluoranthene	22.95	252	450374m	4.664	ng		
36) Benzo(k)fluoranthene	22.99	252	150879m	1.078	ng		
37) Benzo(a)pyrene	23.58	252	353448	3.784	ng		97
38) Dibenzo(a,h)anthracene	26.24	278	66617	0.775	ng		97
39) Benzo(g,h,i)perylene	27.02	276	408211	3.864	ng		99

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

Quantitation Report (QT Reviewed)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
DUP-01-01092020

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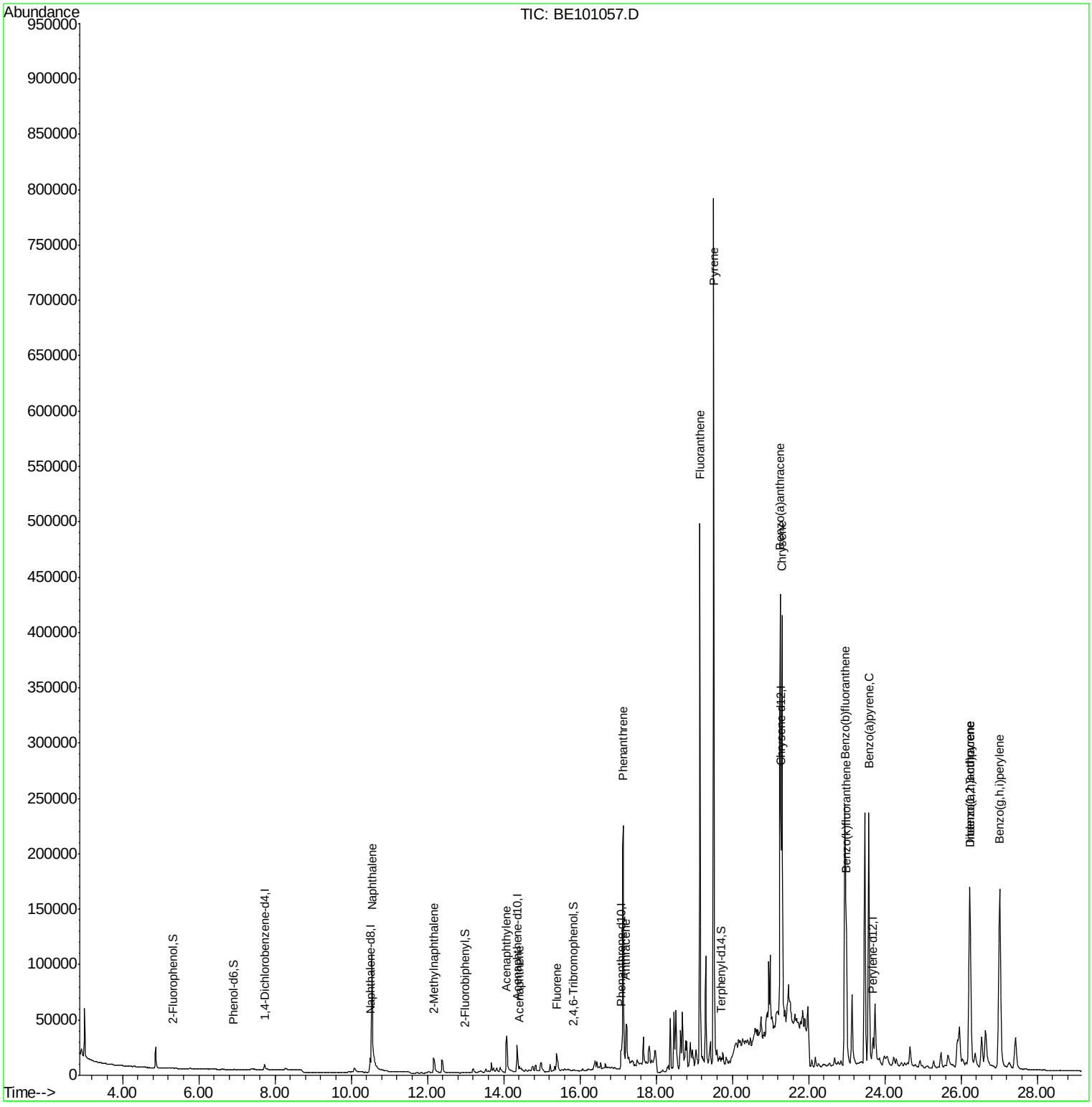
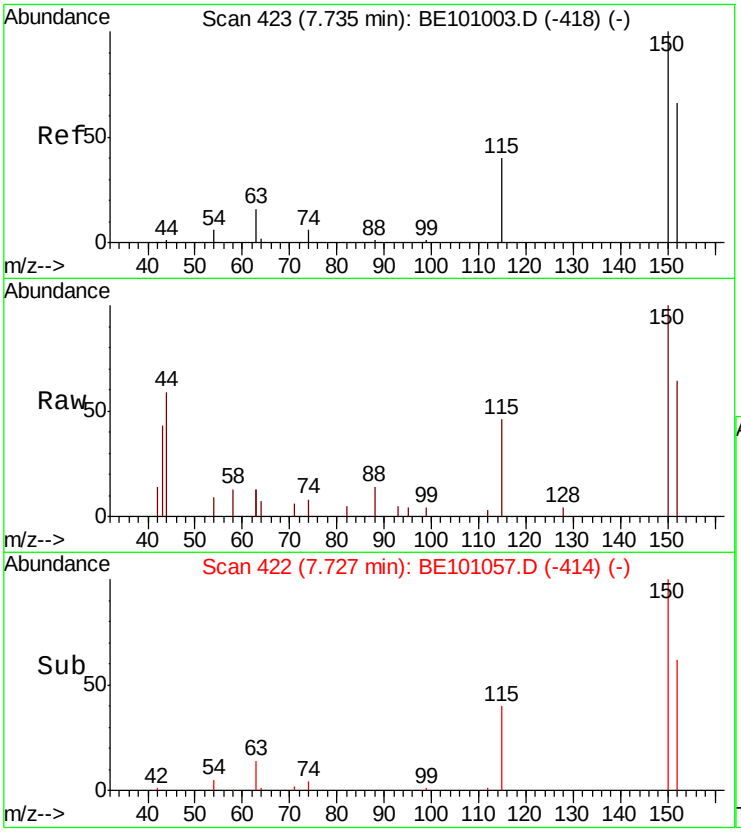
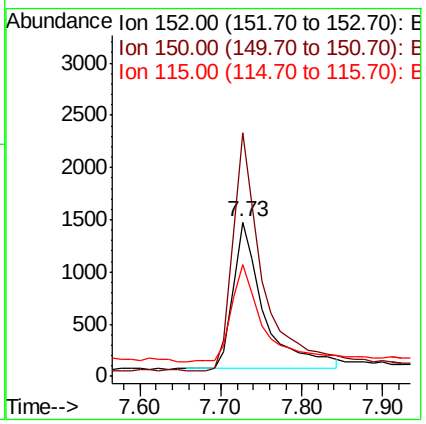




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:152 Resp: 3723

Ion	Ratio	Lower	Upper
152	100		
150	157.5	120.3	180.5
115	72.7	51.7	77.5



Instrument :
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ClientSampleId :
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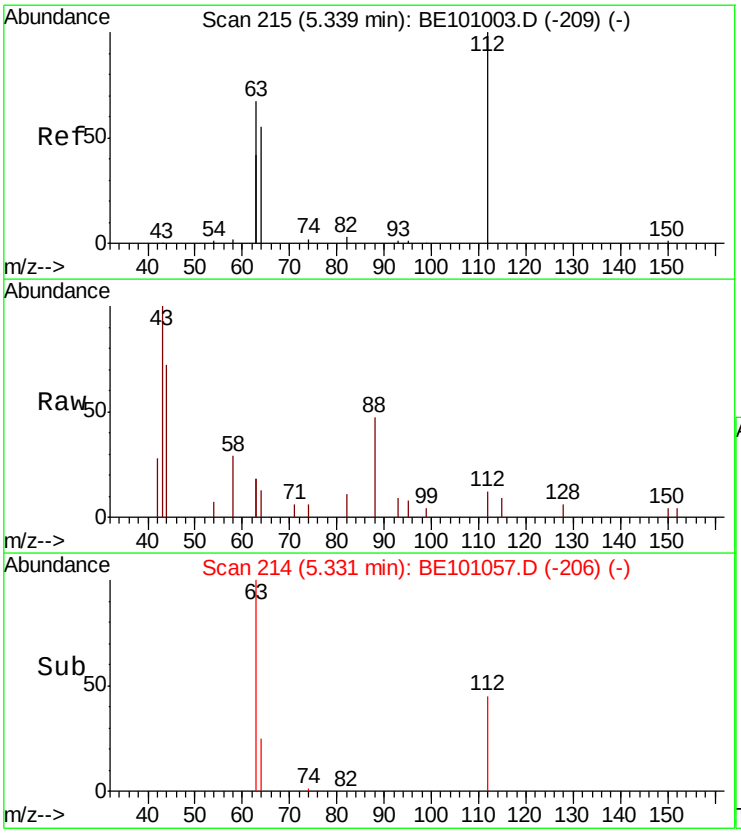
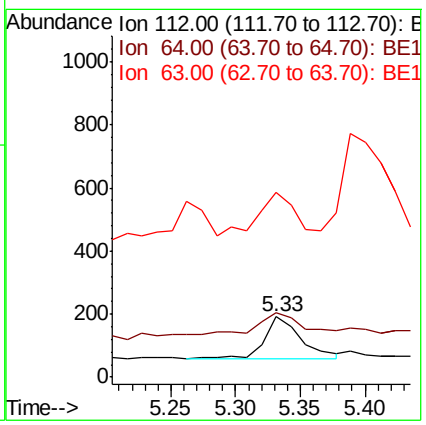
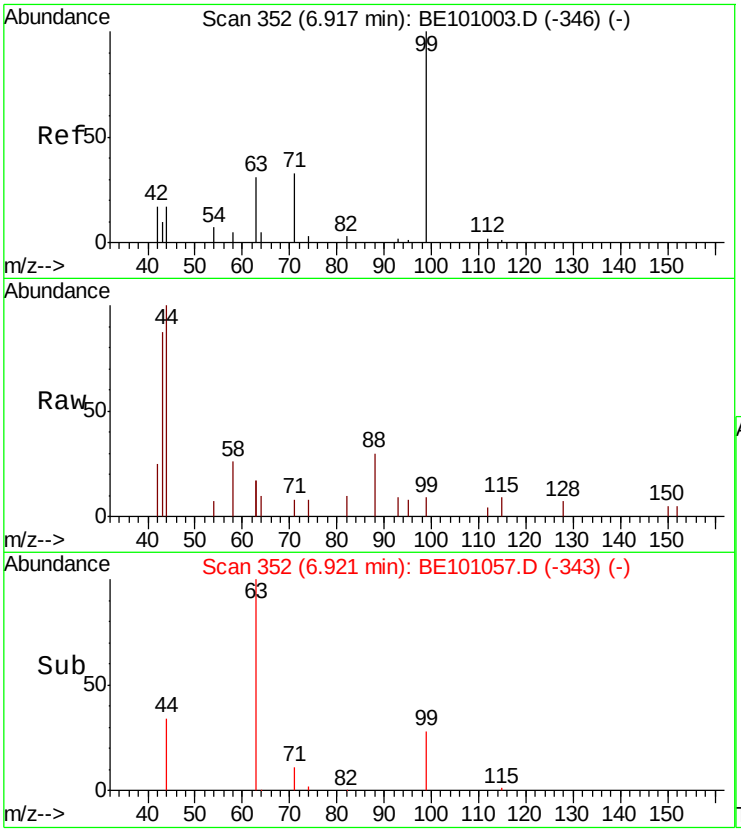


#4
2-Fluorophenol
Concen: 0.033 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:112 Resp: 276

Ion	Ratio	Lower	Upper
112	100		
64	57.6	53.6	80.4
63	68.5	114.6	172.0#





#5
Phenol-d6
Concen: 0.025 ng
RT: 6.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion: 99 Resp: 268

Ion	Ratio	Lower	Upper
99	100		
42	41.8	18.3	27.5#
71	53.0	28.0	42.0#

Instrument :
BNA_E
ClientSampleId :
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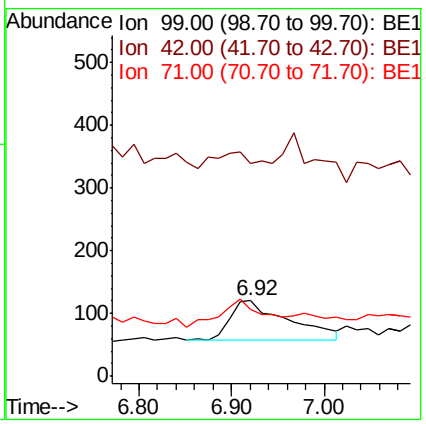
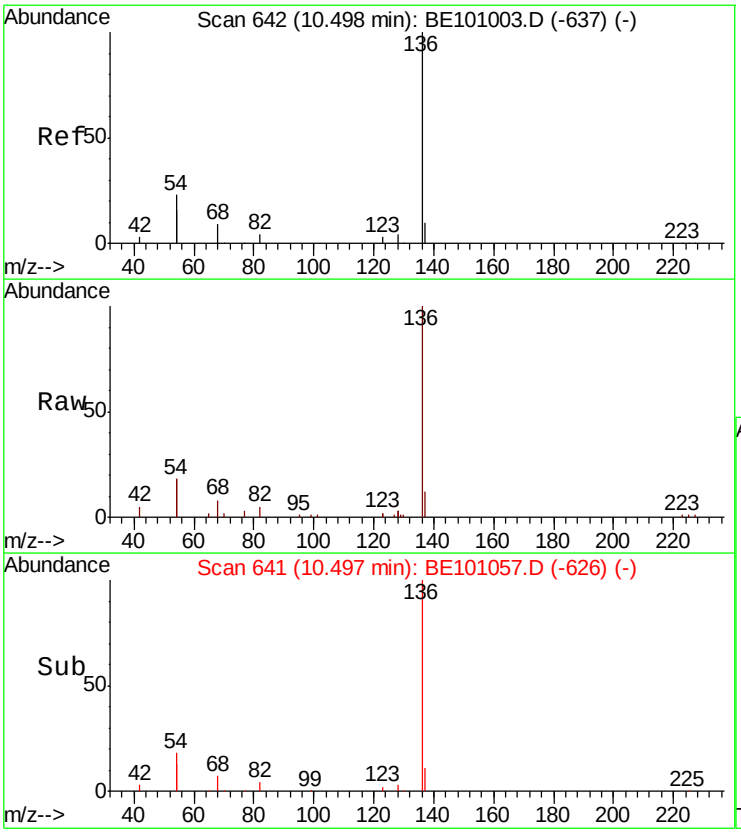
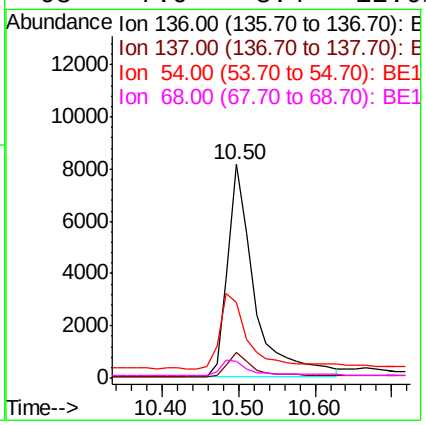


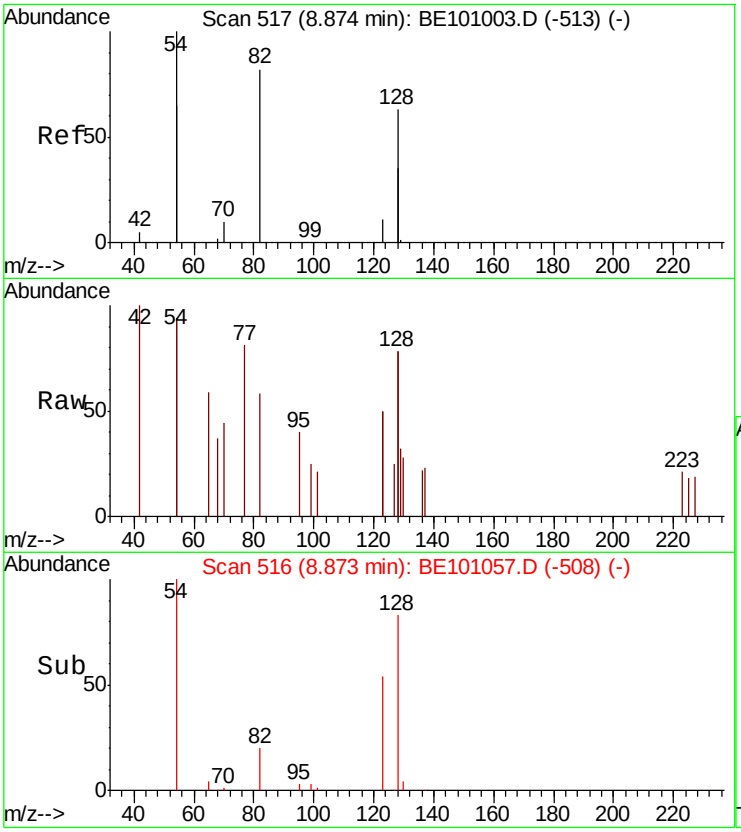


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.50 min Scan# 641
Delta R.T. -0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:136 Resp: 19671

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.3	13.9
54	35.2	36.8	55.2#
68	7.9	8.4	12.6#

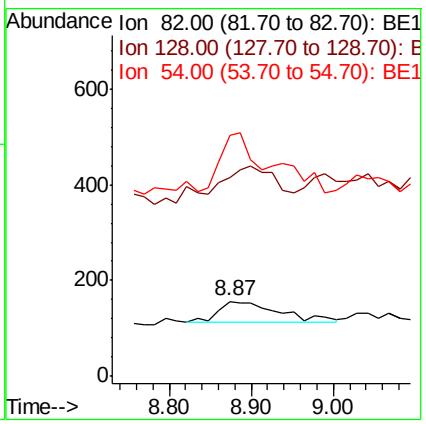




#8
Nitrobenzene-d5
Concen: 0.016 ng
RT: 8.87 min Scan# 516
Delta R.T. -0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion: 82 Resp: 224

Ion	Ratio	Lower	Upper
82	100		
128	266.7	109.8	164.6#
54	321.8	174.5	261.7#



Instrument :
BNA_E
ClientSampleId :
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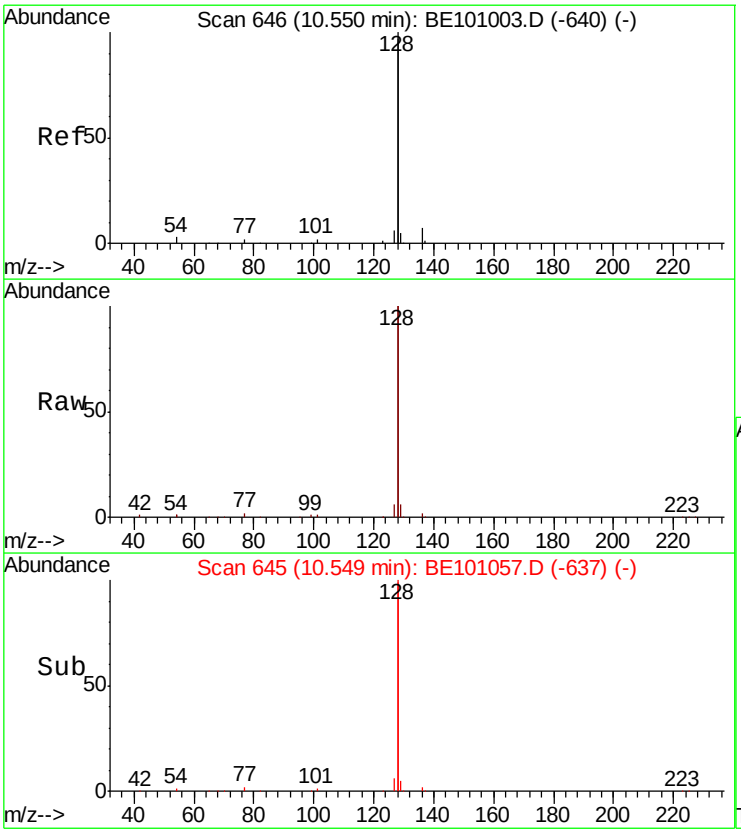
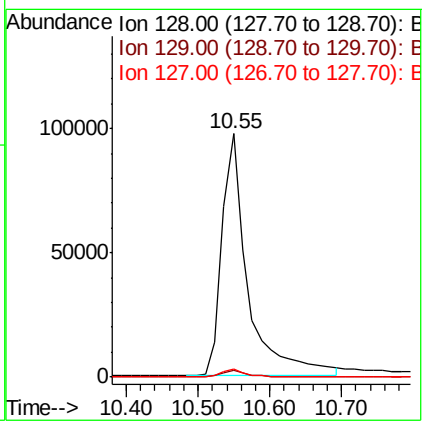
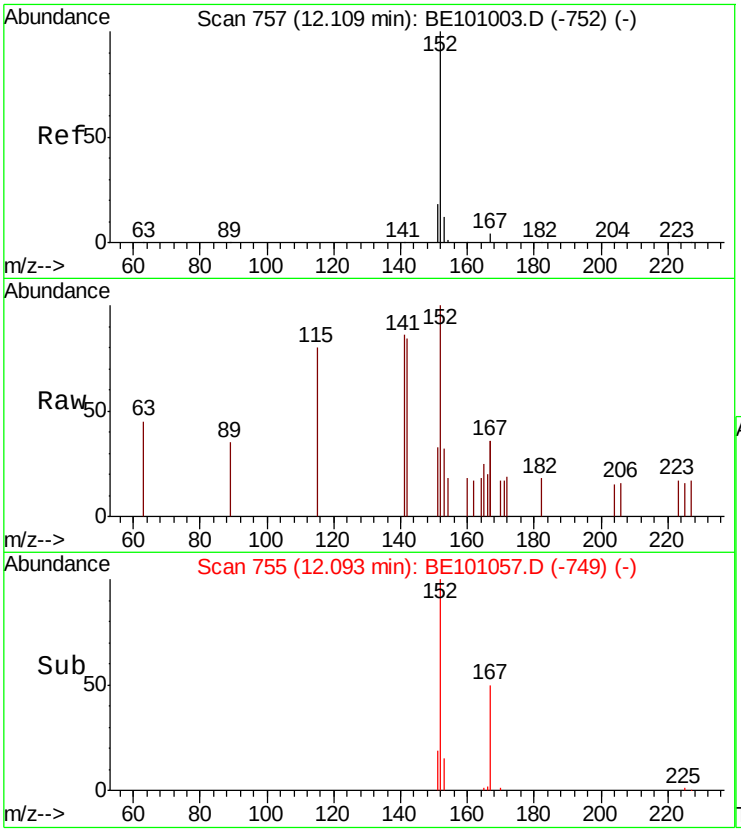


#9
Naphthalene
Concen: 1.120 ng
RT: 10.55 min Scan# 645
Delta R.T. -0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:128 Resp: 244567

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.2	2.7	4.1

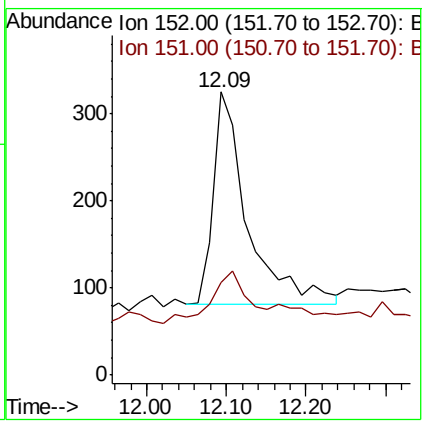




#11
2-Methylnaphthalene-d10
Concen: 0.019 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.02 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:152 Resp: 729

Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.0	22.6



Instrument :
BNA_E
ClientSampleId :
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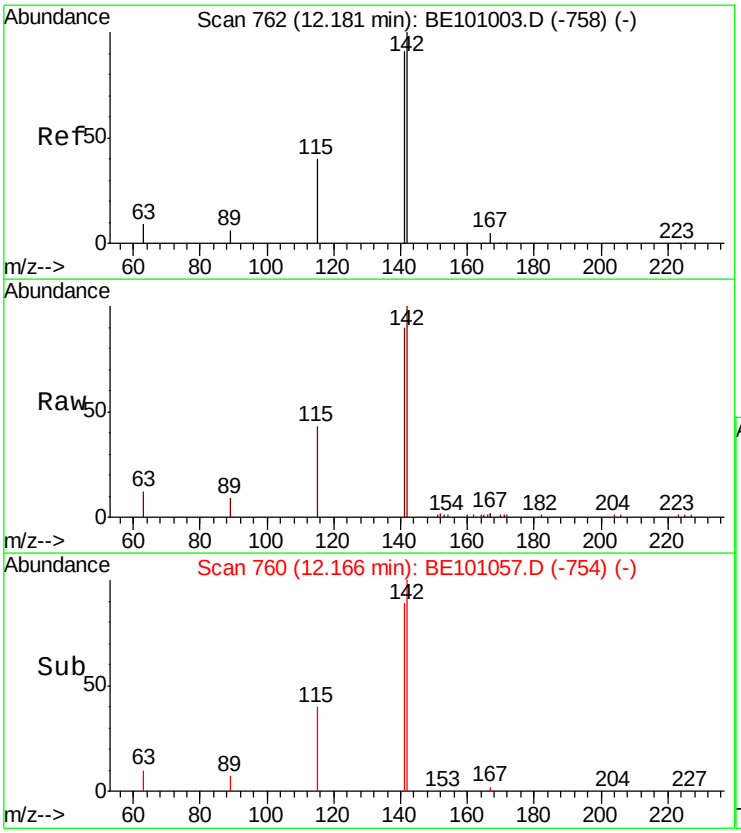
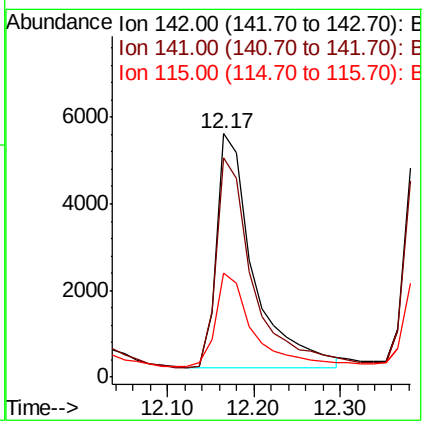
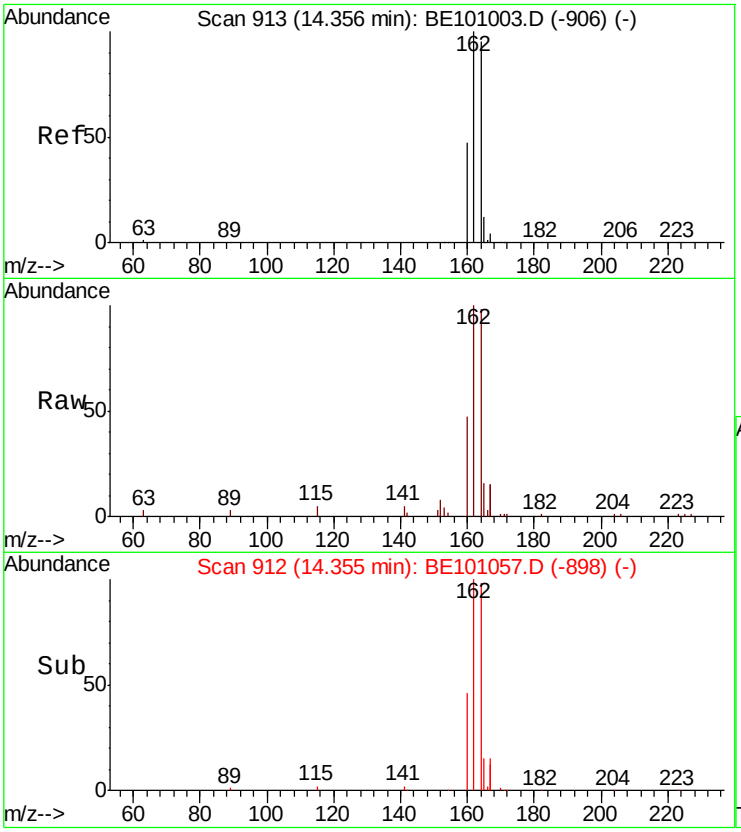


#12
2-Methylnaphthalene
Concen: 0.491 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:142 Resp: 16210

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.5	108.7
115	42.9	33.0	49.6

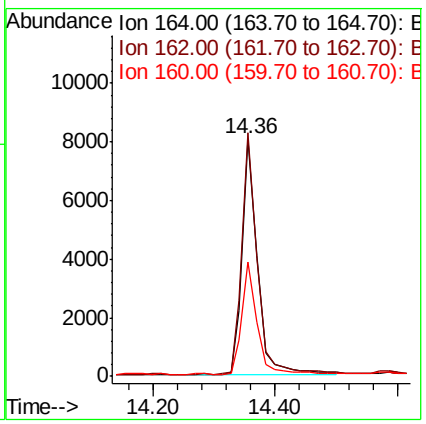




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:164 Resp: 14138

Ion	Ratio	Lower	Upper
164	100		
162	102.4	84.1	126.1
160	47.8	40.4	60.6



Instrument :
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ClientSampleId :
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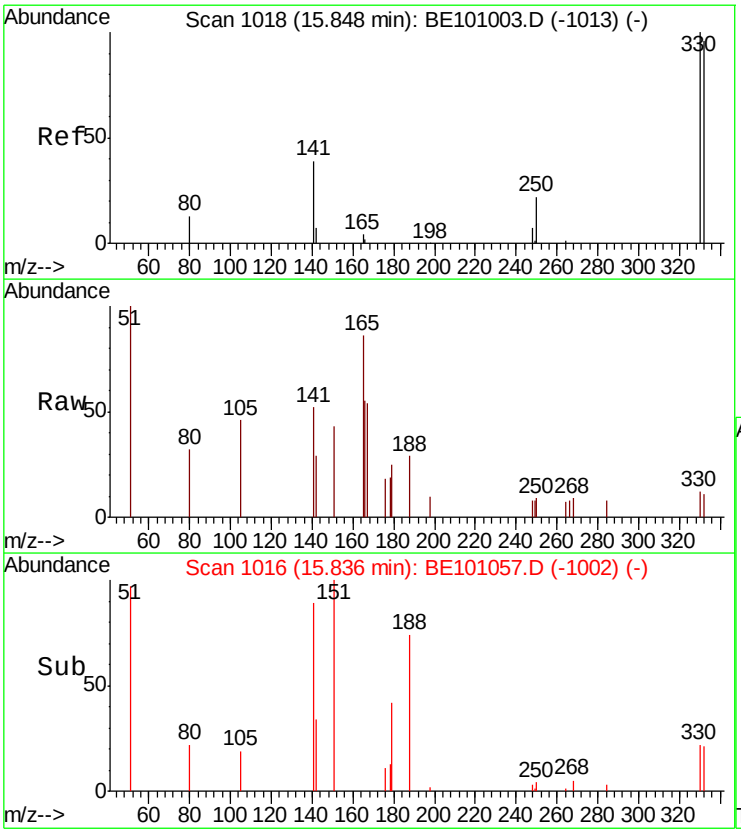
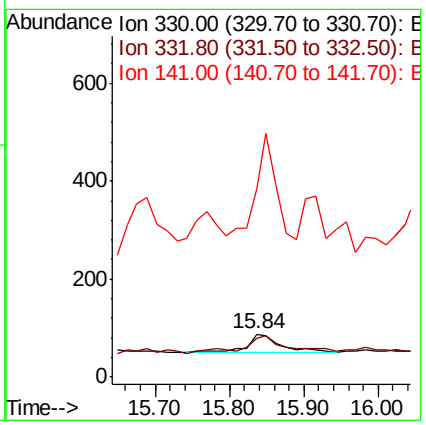
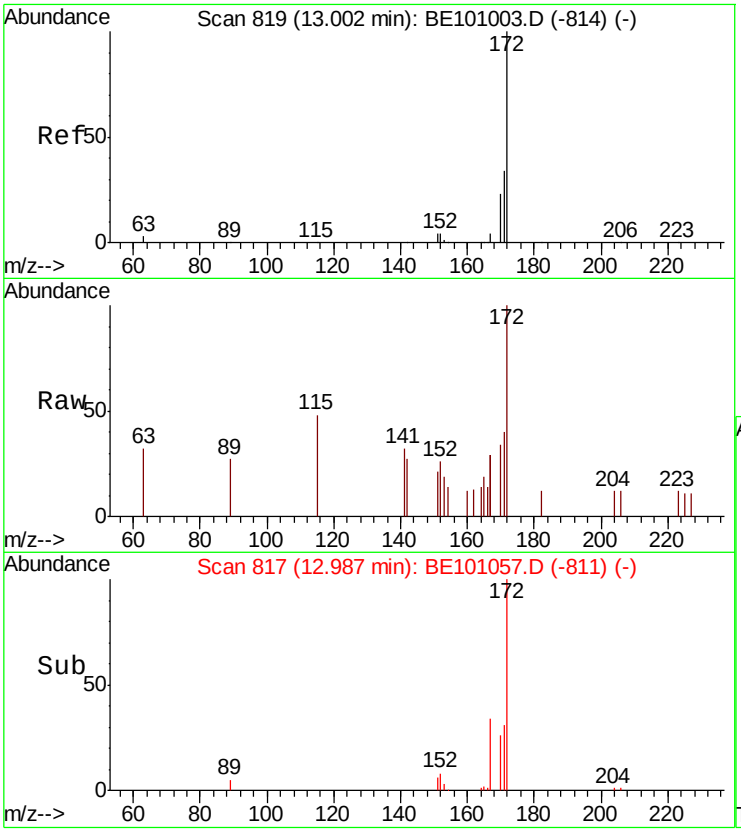


#14
2,4,6-Tribromophenol
Concen: 0.031 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:330 Resp: 123

Ion	Ratio	Lower	Upper
330	100		
332	78.0	78.4	117.6#
141	379.7	37.0	55.4#

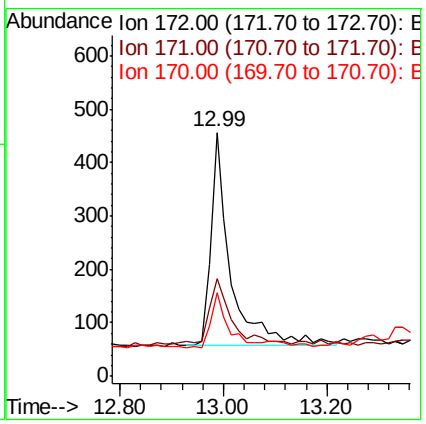




#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:172 Resp: 1077

Ion	Ratio	Lower	Upper
172	100		
171	39.9	28.2	42.2
170	34.2	18.9	28.3#



Instrument :
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ClientSampleId :
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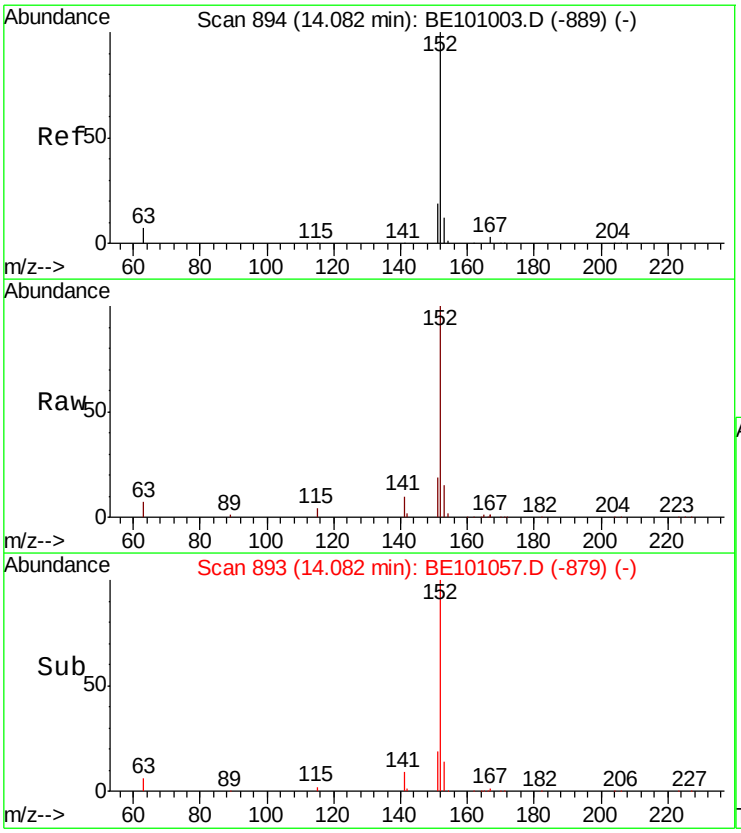
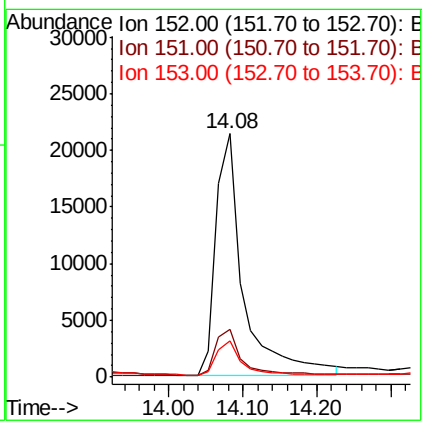
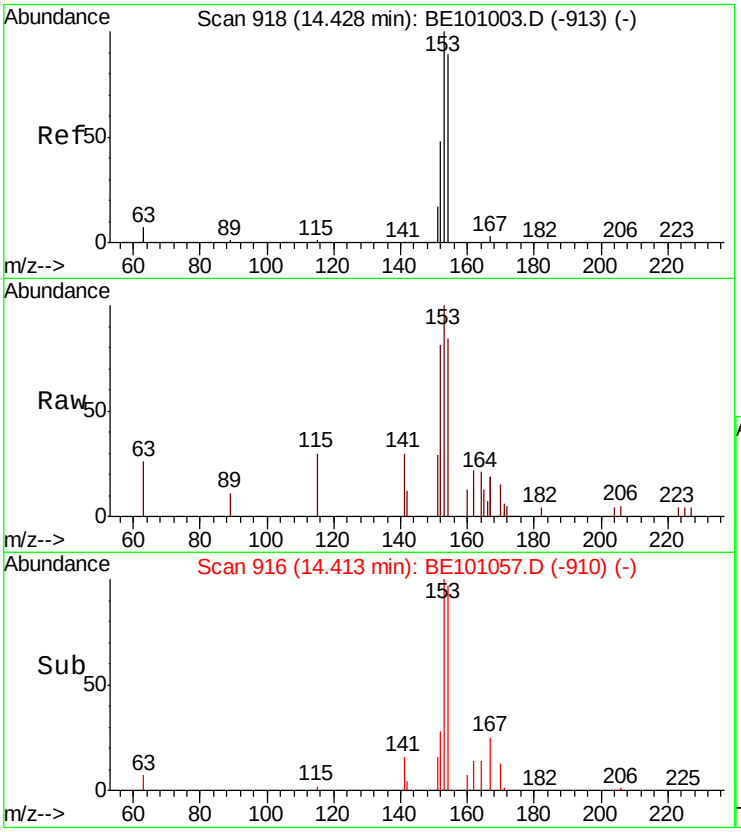


#16
Acenaphthylene
Concen: 0.954 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:152 Resp: 54944

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.4	10.4	15.6

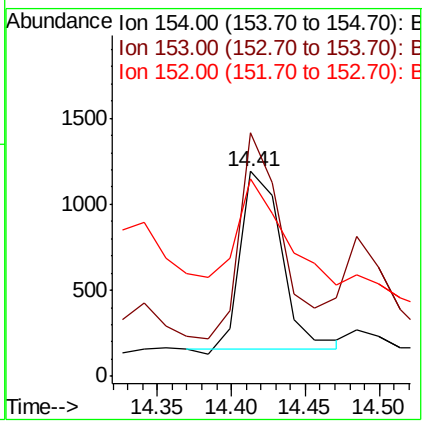




#17
Acenaphthene
Concen: 0.048 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.02 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:154 Resp: 1972

Ion	Ratio	Lower	Upper
154	100		
153	118.5	93.6	140.4
152	95.3	46.3	69.5#



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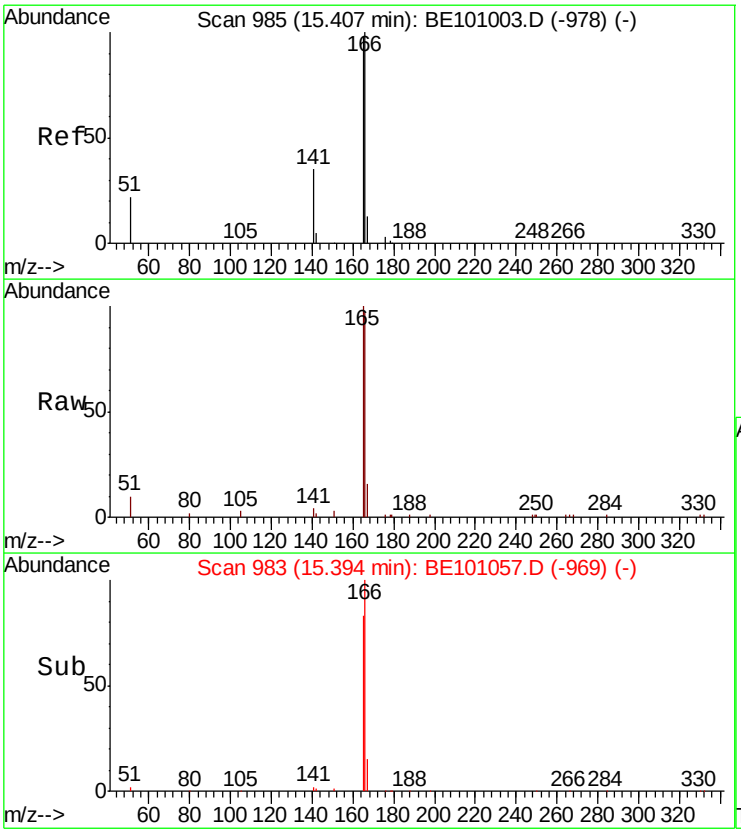
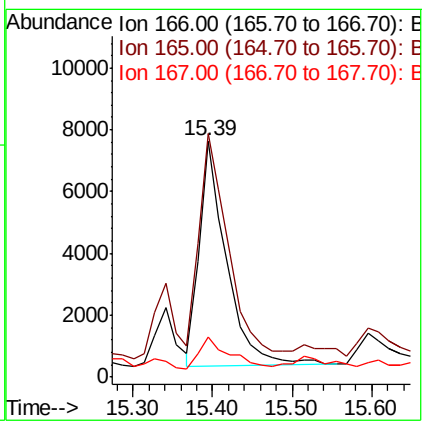
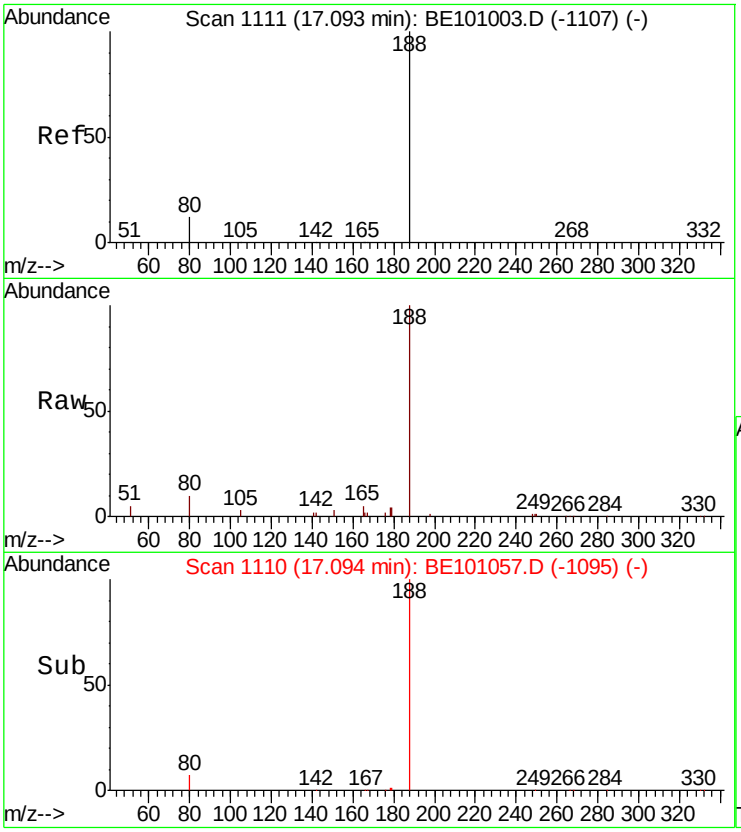


#18
Fluorene
Concen: 0.328 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:166 Resp: 17096

Ion	Ratio	Lower	Upper
166	100		
165	102.5	79.8	119.8
167	15.8	11.0	16.6





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:188 Resp: 31774

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	10.8	16.2#

Instrument :
BNA_E
ClientSampleId :
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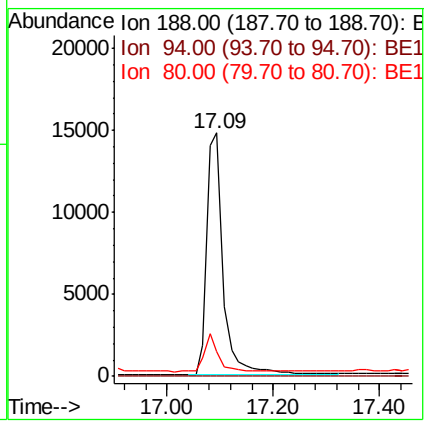
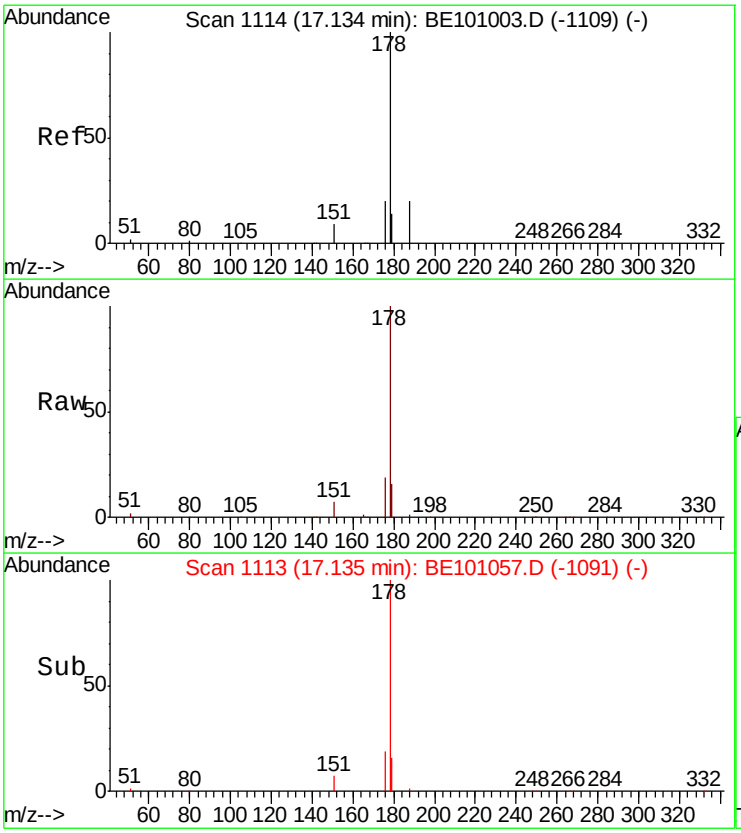
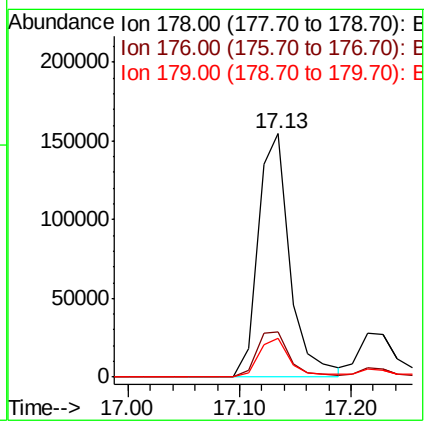


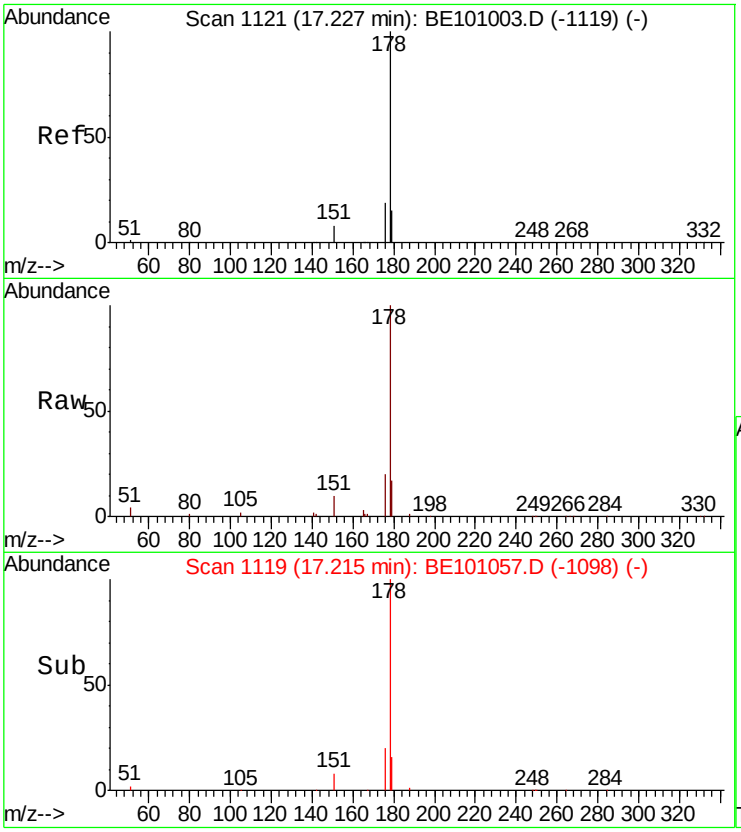


#23
Phenanthrene
Concen: 3.529 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:178 Resp: 306213

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.9	12.0	18.0

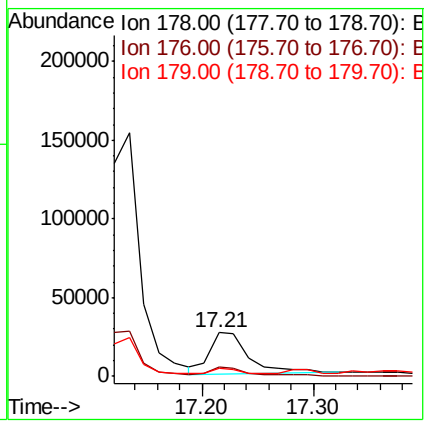




#24
Anthracene
Concen: 0.794 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:178 Resp: 64993

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	14.9	12.4	18.6



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ClientSampleId :
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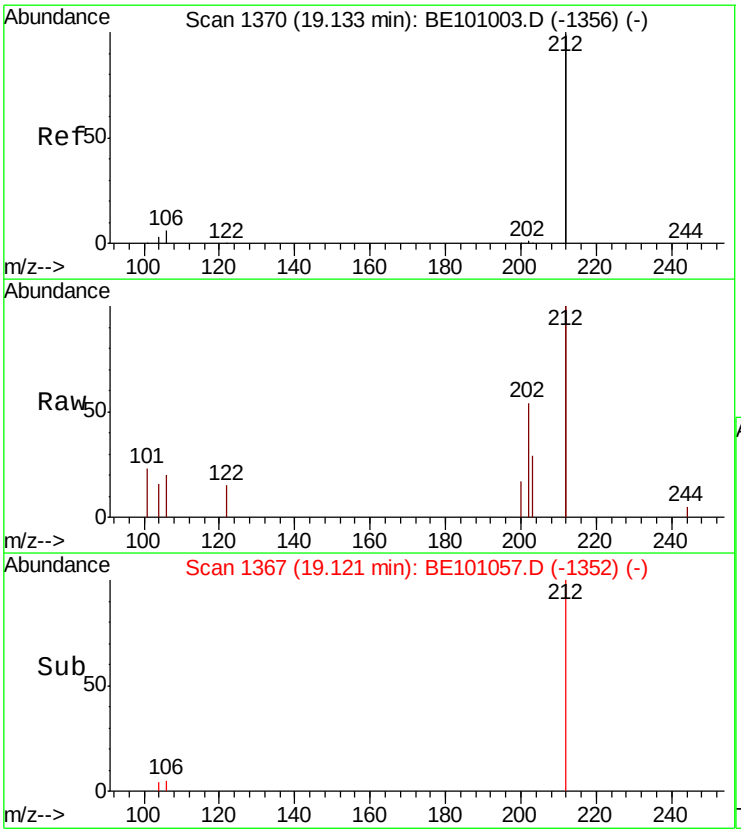
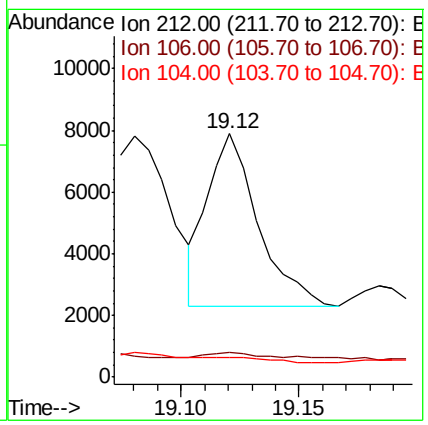
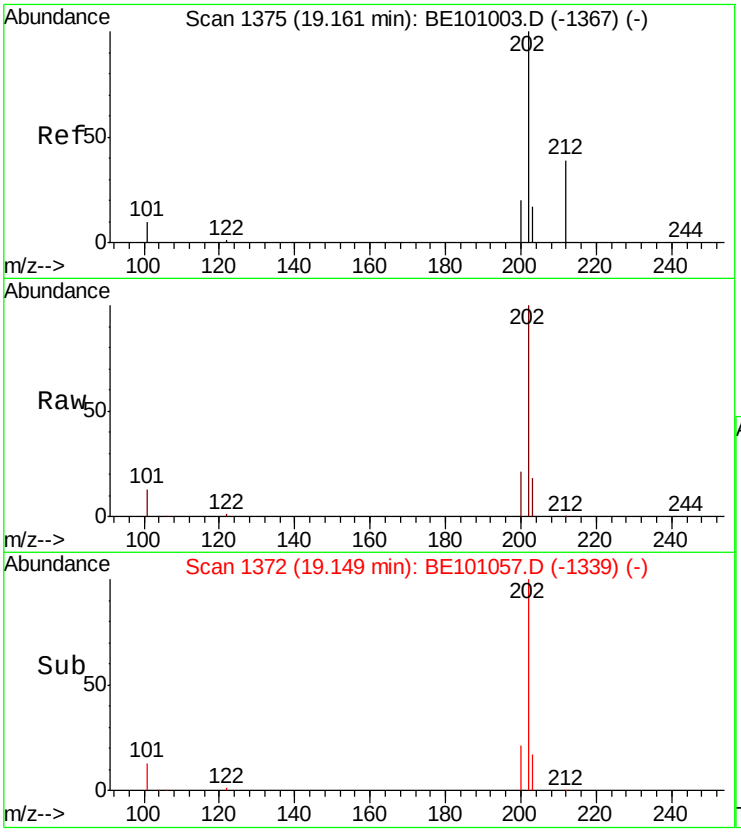


#25
Fluoranthene-d10
Concen: 0.019 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:212 Resp: 8422

Ion	Ratio	Lower	Upper
212	100		
106	6.7	2.6	3.8#
104	0.0	1.4	2.0#

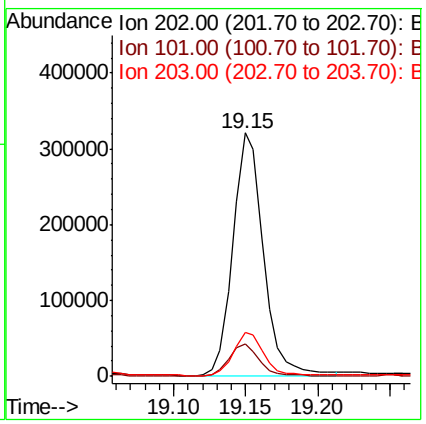




#26
Fluoranthene
Concen: 4.333 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:202 Resp: 470821

Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.6	14.4
203	17.7	13.8	20.6



Instrument :
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ClientSampleId :
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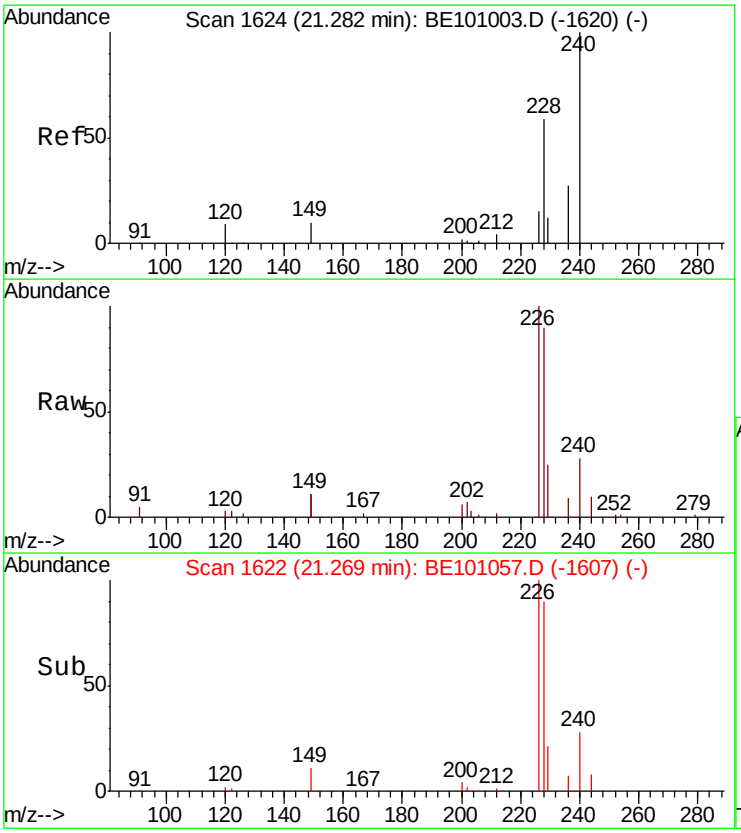
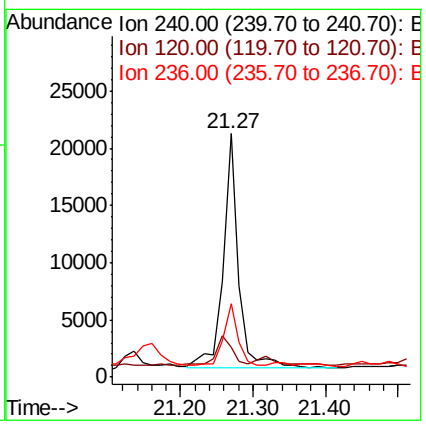
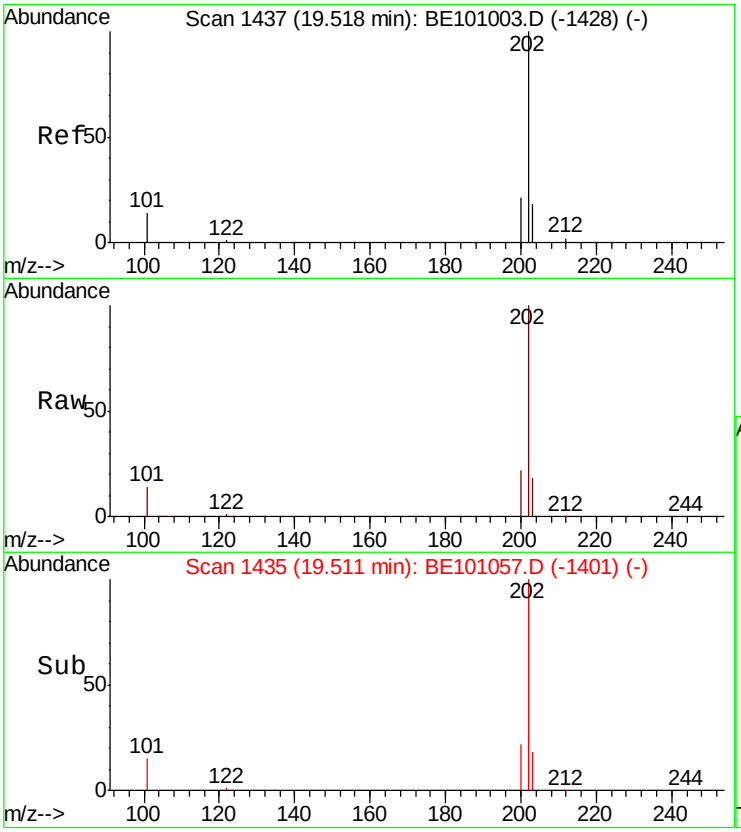


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:240 Resp: 31018

Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.6	13.0
236	30.1	22.2	33.4

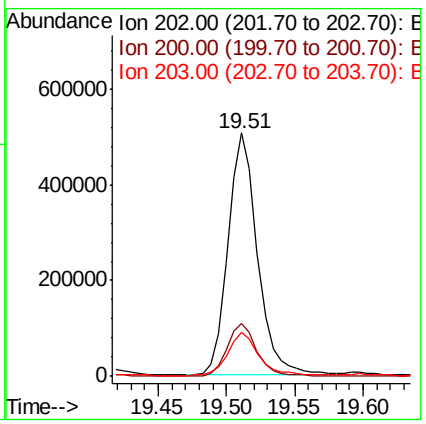




#28
Pyrene
Concen: 6.619 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:202 Resp: 764258

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.7	13.8	20.6



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ClientSampleId :
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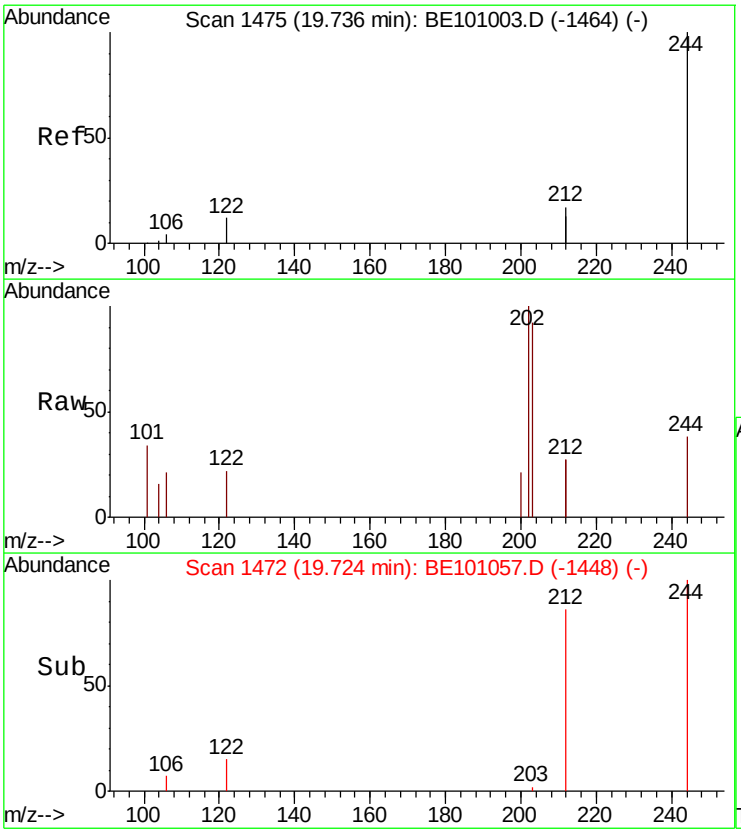
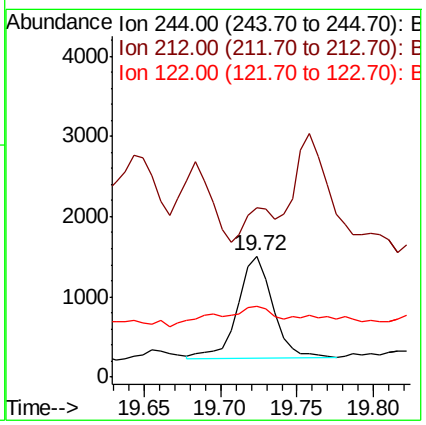
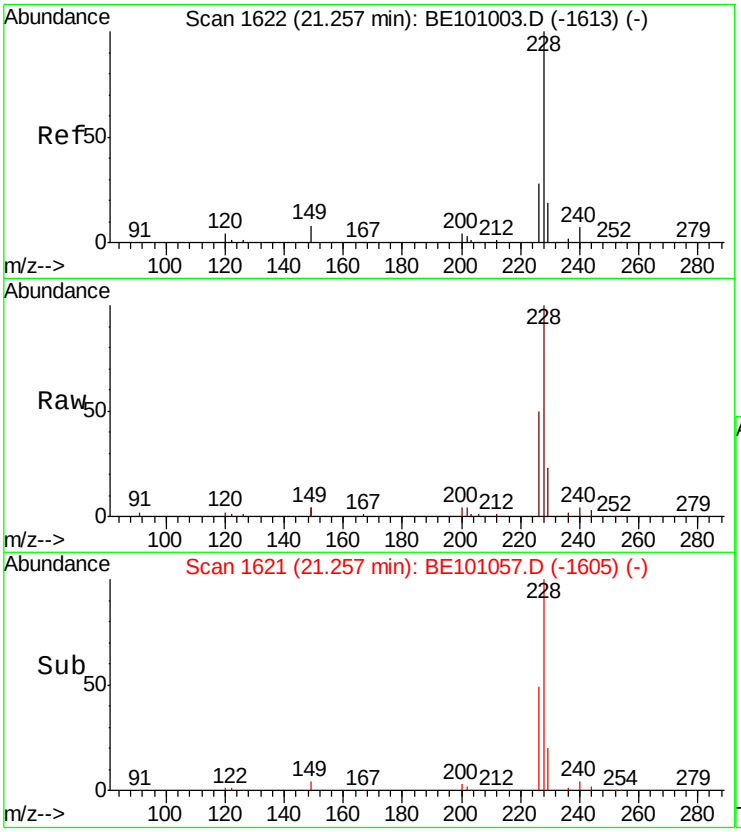


#29
Terphenyl-d14
Concen: 0.026 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:244 Resp: 2000

Ion	Ratio	Lower	Upper
244	100		
212	139.6	27.2	40.8#
122	58.8	9.8	14.8#

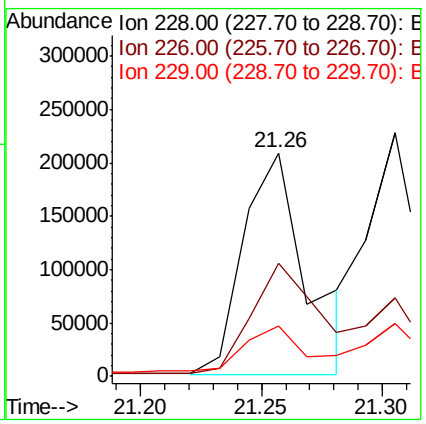




#30
Benzo(a)anthracene
Concen: 4.327 ng m
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:228 Resp: 383022

Ion	Ratio	Lower	Upper
228	100		
226	50.4	22.7	34.1#
229	22.7	15.5	23.3



Instrument :
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ClientSampleId :
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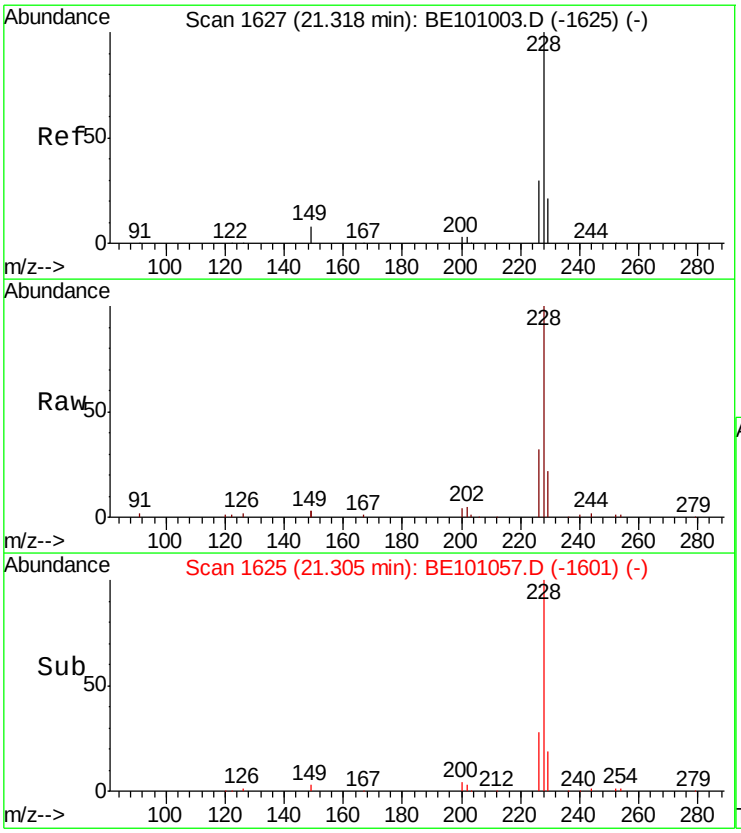
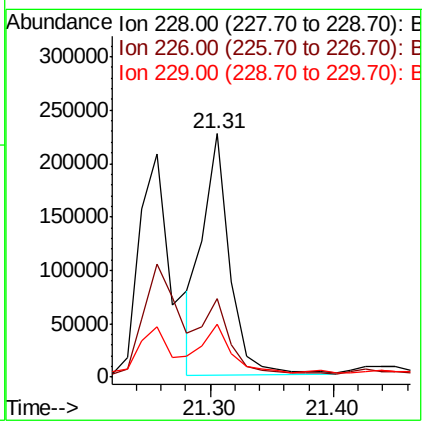
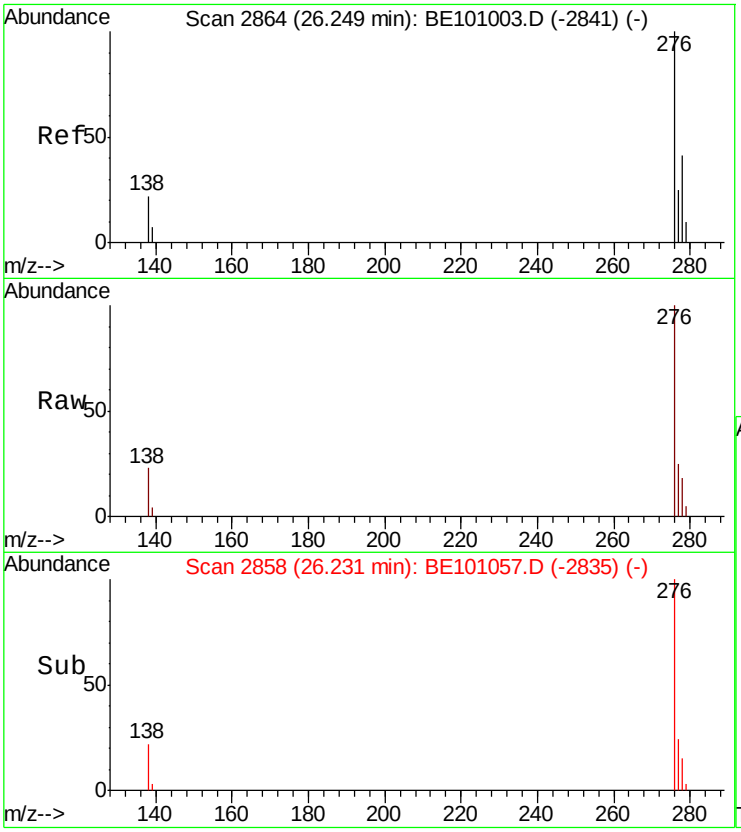


#31
Chrysene
Concen: 2.661 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:228 Resp: 350025

Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.5	35.3
229	21.5	16.7	25.1

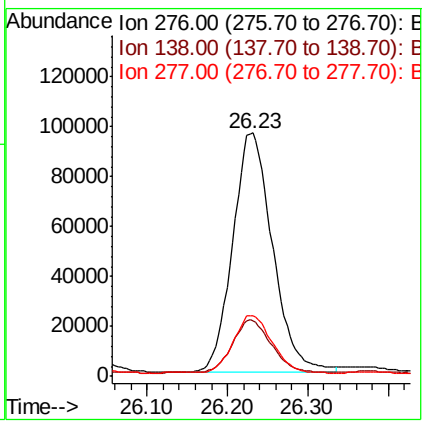




#33
Indeno(1,2,3-cd)pyrene
Concen: 3.154 ng
RT: 26.23 min Scan# 2858
Delta R.T. -0.02 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:276 Resp: 327811

Ion	Ratio	Lower	Upper
276	100		
138	21.8	16.1	24.1
277	23.4	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
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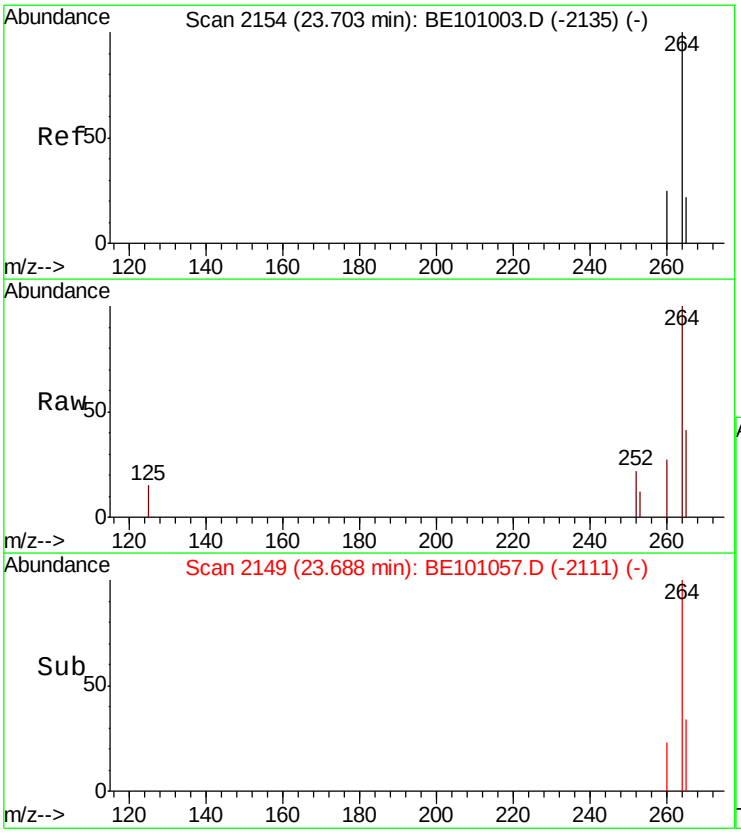
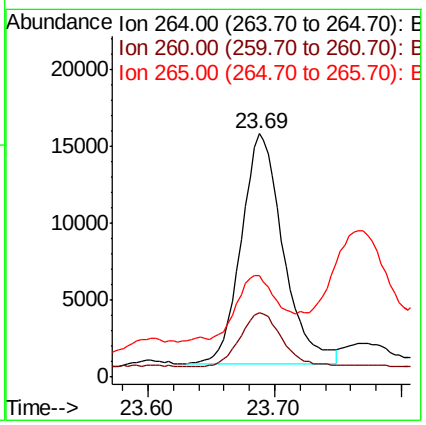
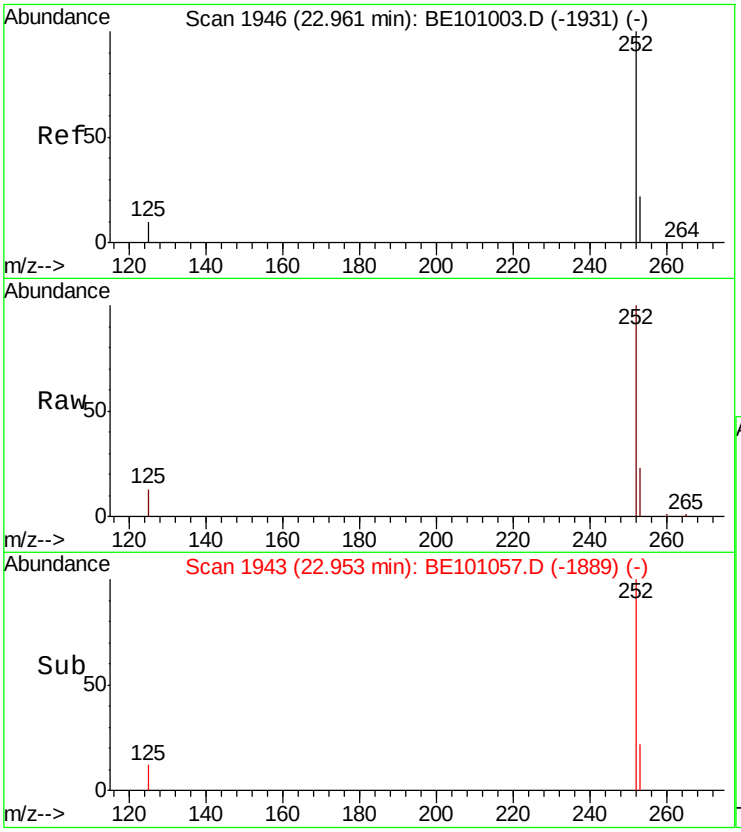


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2149
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:264 Resp: 34432

Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.3	30.5
265	41.5	27.0	40.4#

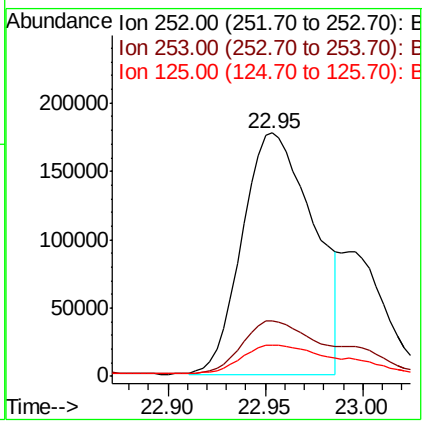




#35
Benzo(b)fluoranthene
Concen: 4.664 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:252 Resp: 450374

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	12.9	9.5	14.3



Instrument :
BNA_E
ClientSampleId :
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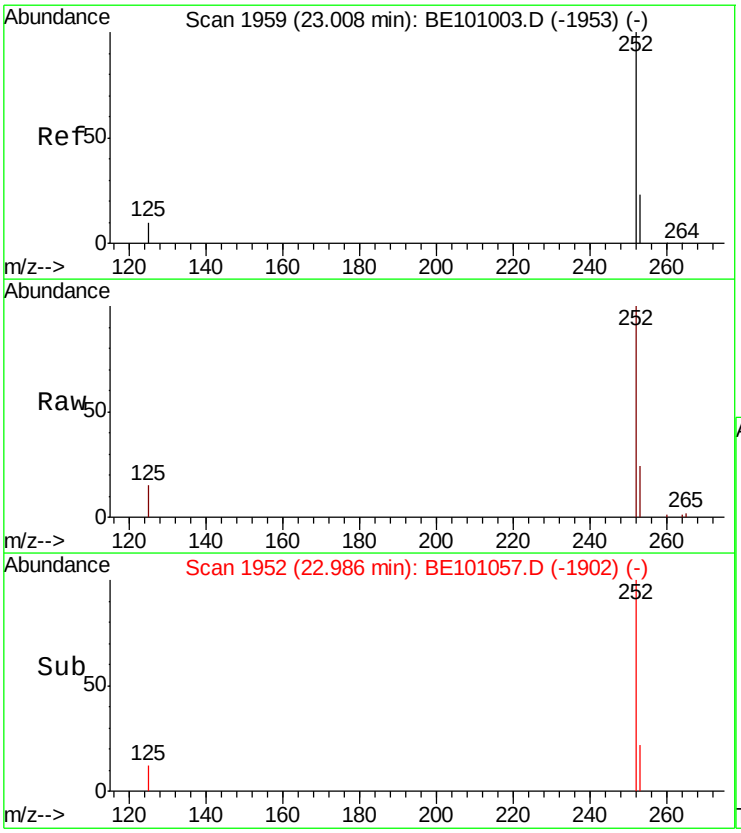
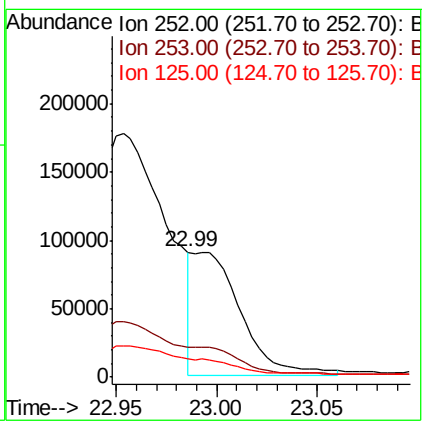
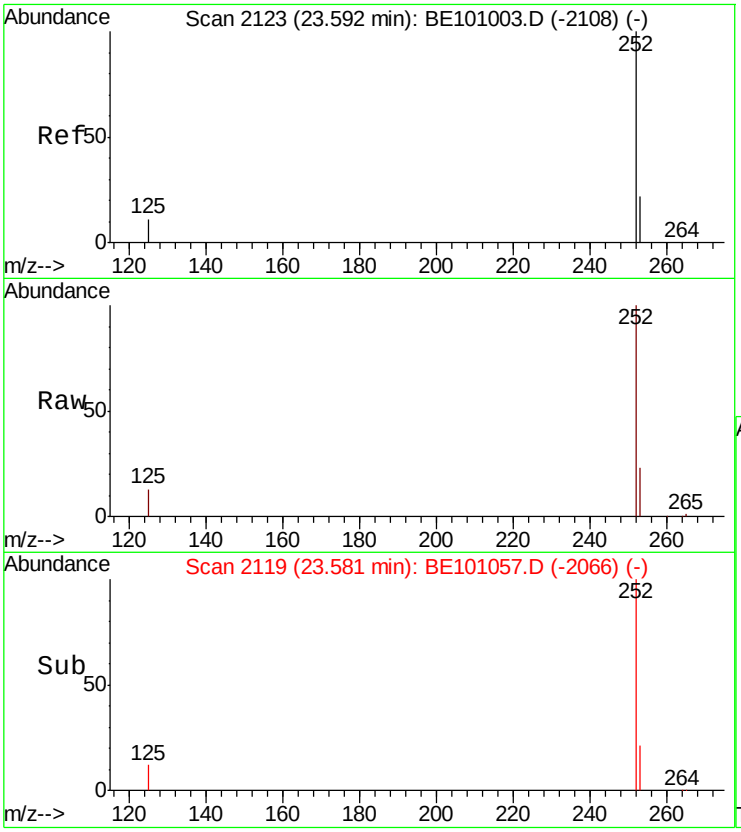


#36
Benzo(k)fluoranthene
Concen: 1.078 ng m
RT: 22.99 min Scan# 1952
Delta R.T. -0.02 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:252 Resp: 150879

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	14.8	10.1	15.1

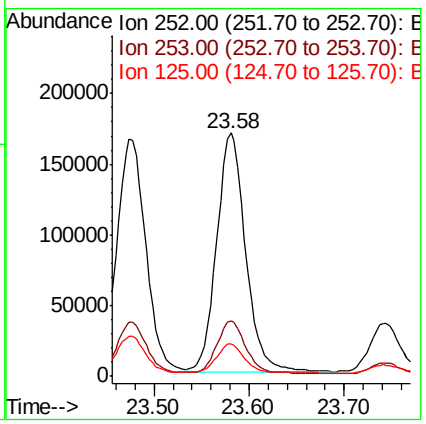




#37
Benzo(a)pyrene
Concen: 3.784 ng
RT: 23.58 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:252 Resp: 353448

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.4	29.2
125	13.1	11.8	17.6



Instrument :
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ClientSampleId :
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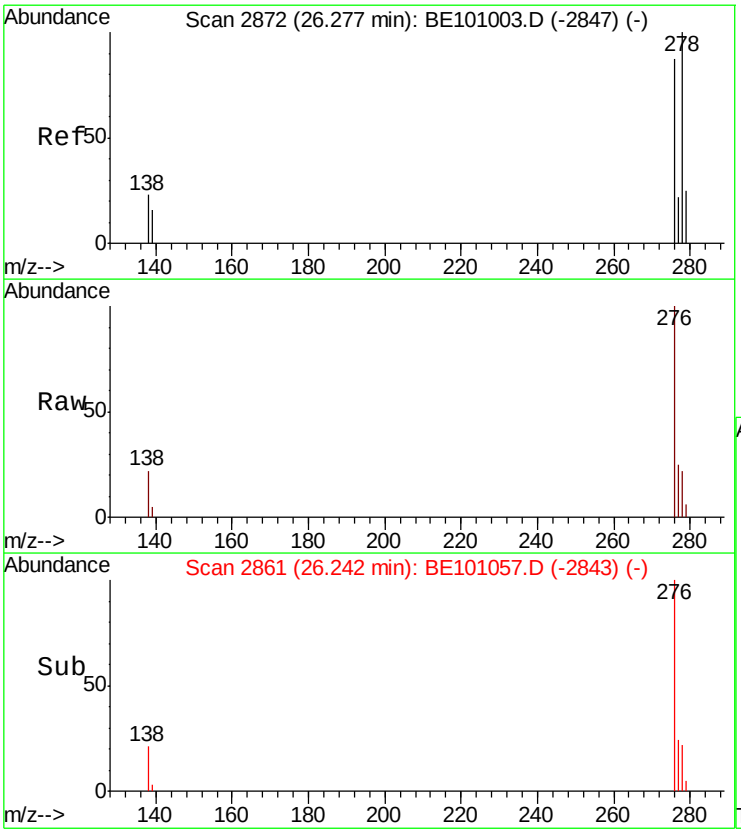
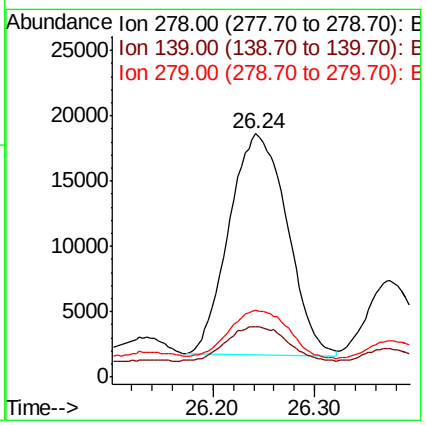
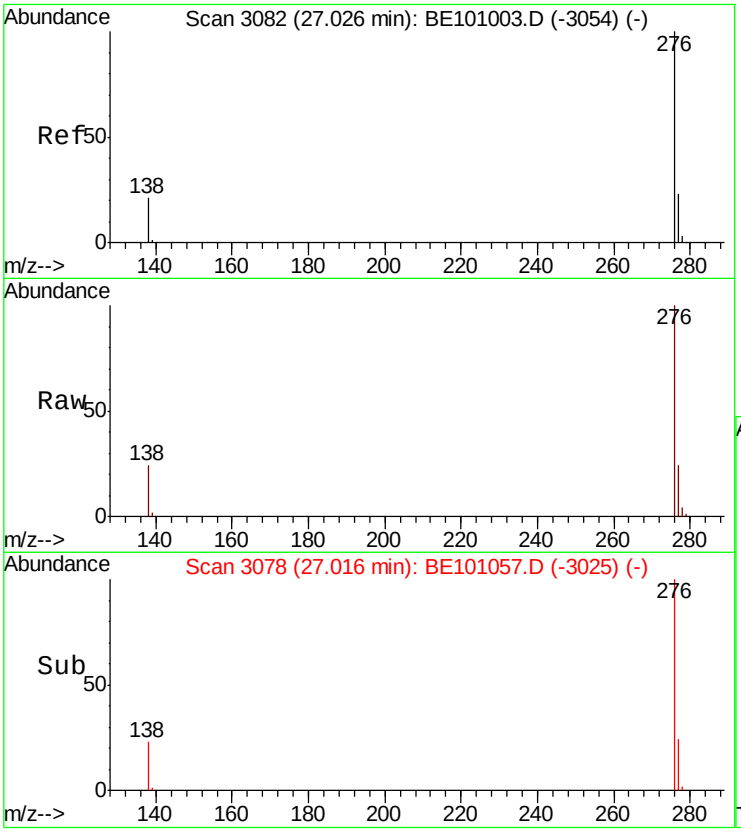


#38
Dibenzo(a,h)anthracene
Concen: 0.775 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.03 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:278 Resp: 66617

Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.0	22.4
279	27.7	22.6	33.8

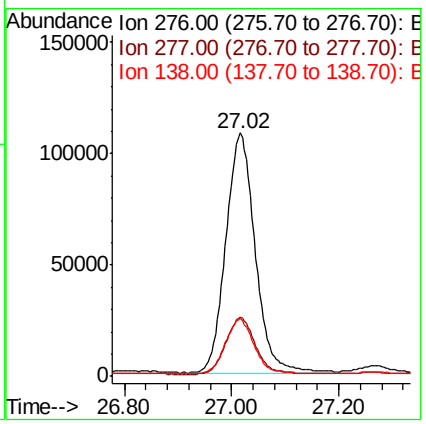




#39
Benzo(g,h,i)perylene
Concen: 3.864 ng
RT: 27.02 min Scan# 3078
Delta R.T. -0.01 min
Lab File: BE101057.D
Acq: 14 Jan 2020 18:27

Tgt Ion:276 Resp: 408211

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.2
138	23.7	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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