Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
Data File : BE100317.D
Acq On : 3 Jul 2019 00:04
Operator : JU/SJ
Sample : K3504-18DL 25X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-013-B211-062019DL

Manual Integrations APPROVED
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7/3/2019 10:49:22 PM

Quant Time: Jul 03 04:06:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	752	0.40	ng		0.01
7) Naphthalene-d8	10.43	136	2790	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	2136	0.40	ng		0.00
19) Phenanthrene-d10	17.07	188	6059	0.40	ng		0.01
27) Chrysene-d12	21.24	240	7885	0.40	ng		0.00
34) Perylene-d12	23.68	264	9513	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	28	0.01	ng		0.01
5) Phenol-d6	6.86	99	12	0.00	ng		0.02
8) Nitrobenzene-d5	8.84	82	21	0.01	ng		0.01
11) 2-Methylnaphthalene-d10	12.05	152	59	0.01	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	31	0.02	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	73	0.01	ng		0.00
25) Fluoranthene-d10	19.10	212	731	0.01	ng		0.00
29) Terphenyl-d14	19.70	244	386	0.02	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.49	128	4632	0.151	ng	#	96
12) 2-Methylnaphthalene	12.12	142	564	0.104	ng		96
16) Acenaphthylene	14.04	152	2047	0.200	ng		97
17) Acenaphthene	14.38	154	1463	0.252	ng		99
18) Fluorene	15.37	166	2360	0.275	ng		98
23) Phenanthrene	17.11	178	53984	3.676	ng		100
24) Anthracene	17.20	178	11831	0.895	ng		97
26) Fluoranthene	19.13	202	135202	5.780	ng		99
28) Pyrene	19.49	202	125000	5.988	ng		97
30) Benzo(a)anthracene	21.23	228	86922	3.353	ng		98
31) Chrysene	21.28	228	67785	2.604	ng		97
33) Indeno(1,2,3-cd)pyrene	26.24	276	44911	1.304	ng	#	98
35) Benzo(b)fluoranthene	22.93	252	92451	3.584	ng	#	96
36) Benzo(k)fluoranthene	22.98	252	34573m	1.201	ng		
37) Benzo(a)pyrene	23.57	252	70620m	2.732	ng		
38) Dibenzo(a,h)anthracene	26.25	278	11428	0.423	ng	#	87
39) Benzo(g,h,i)perylene	27.03	276	43845	1.581	ng		98

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

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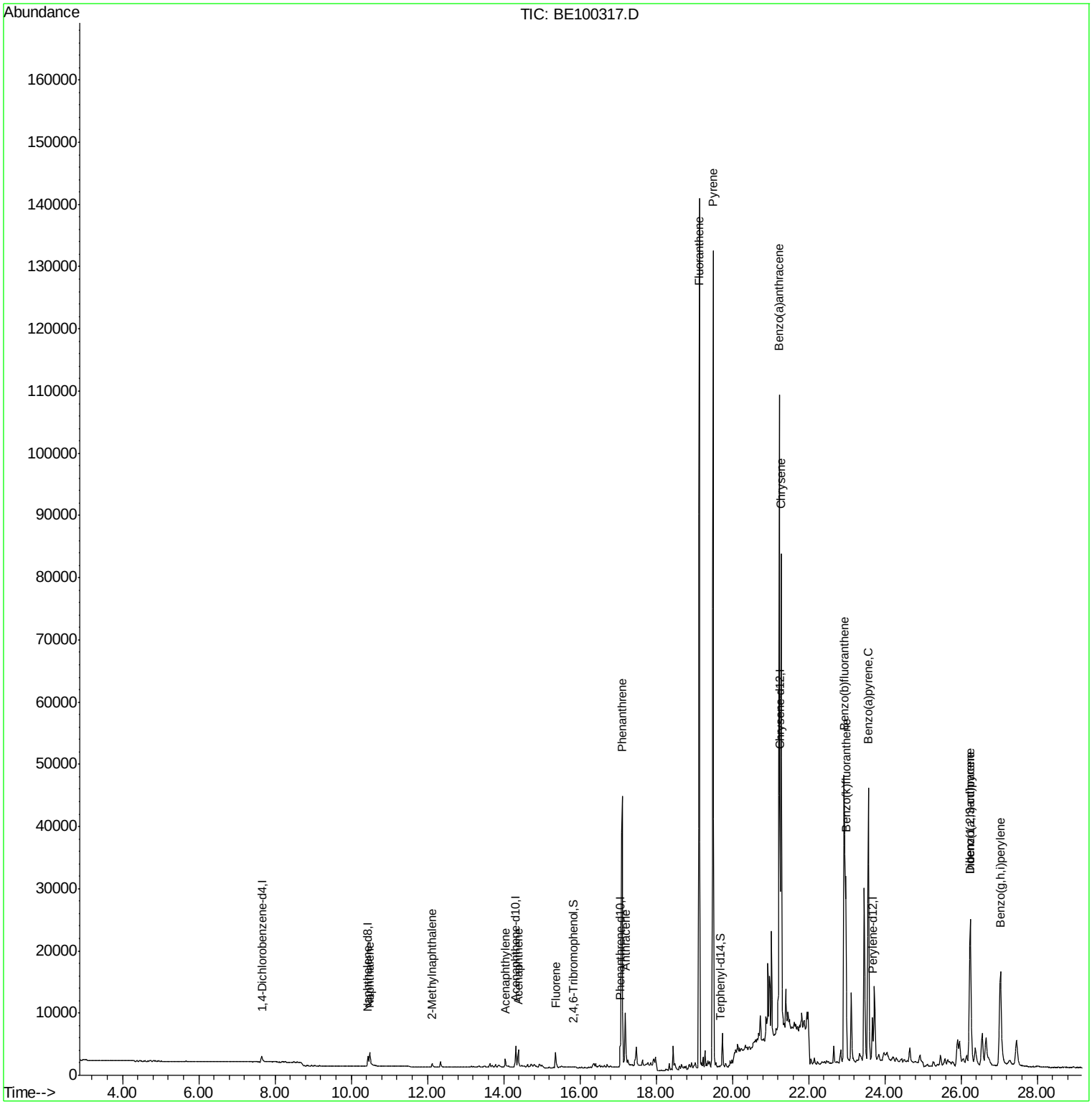
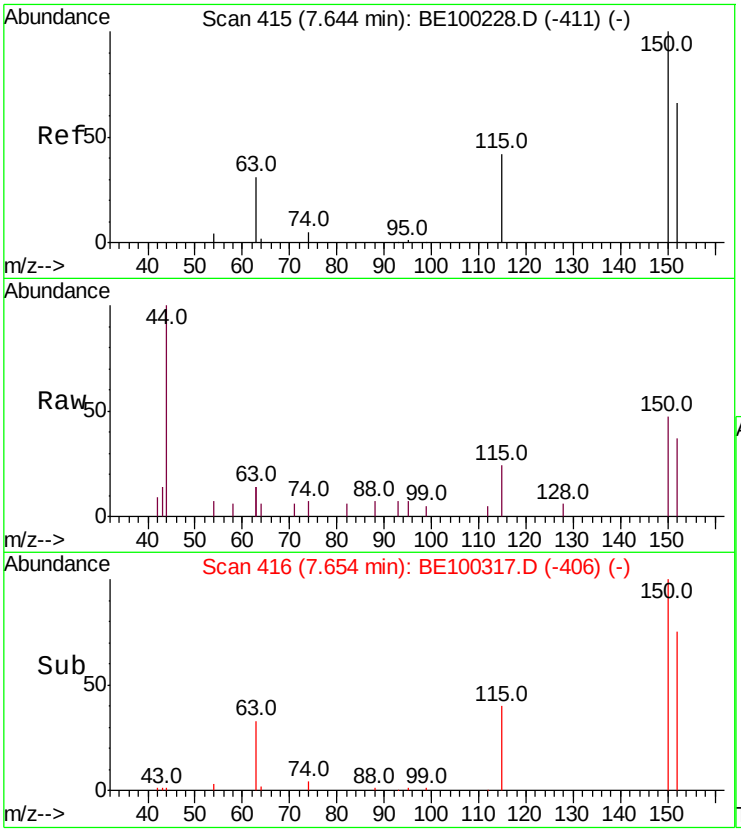
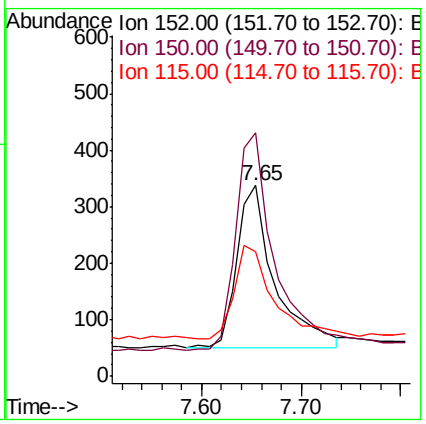




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:152 Resp: 752

Ion	Ratio	Lower	Upper
152	100		
150	127.9	114.5	171.7
115	65.3	57.1	85.7



Instrument :
BNA_E
ClientSampleId :
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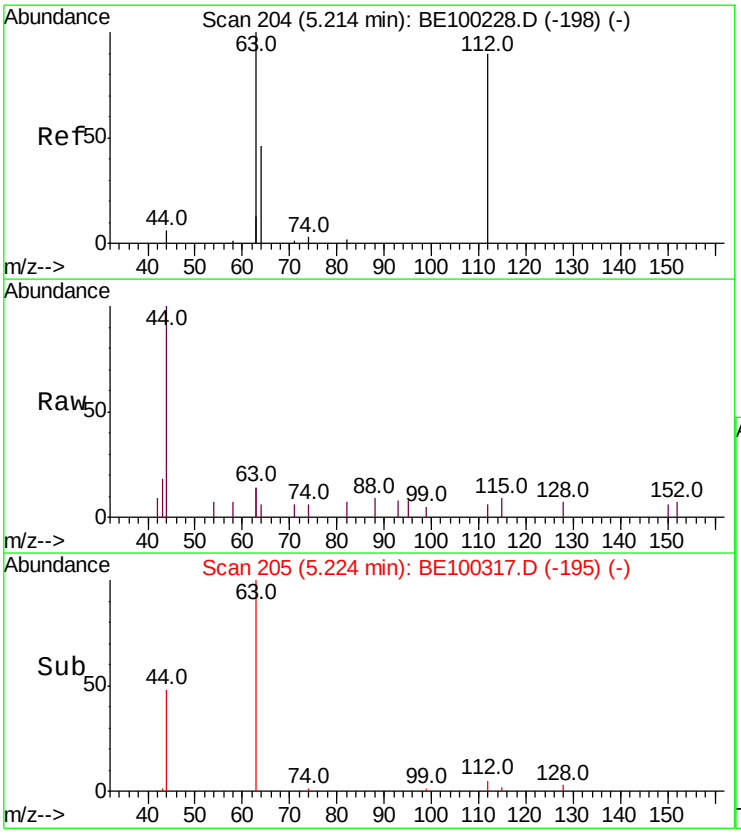
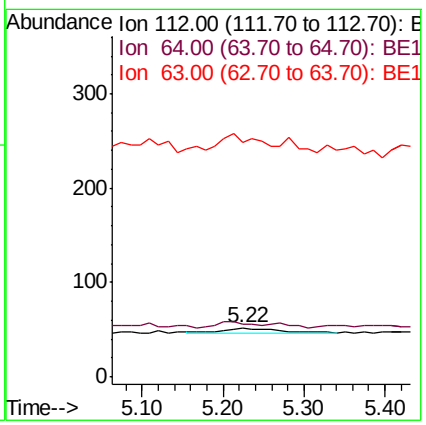
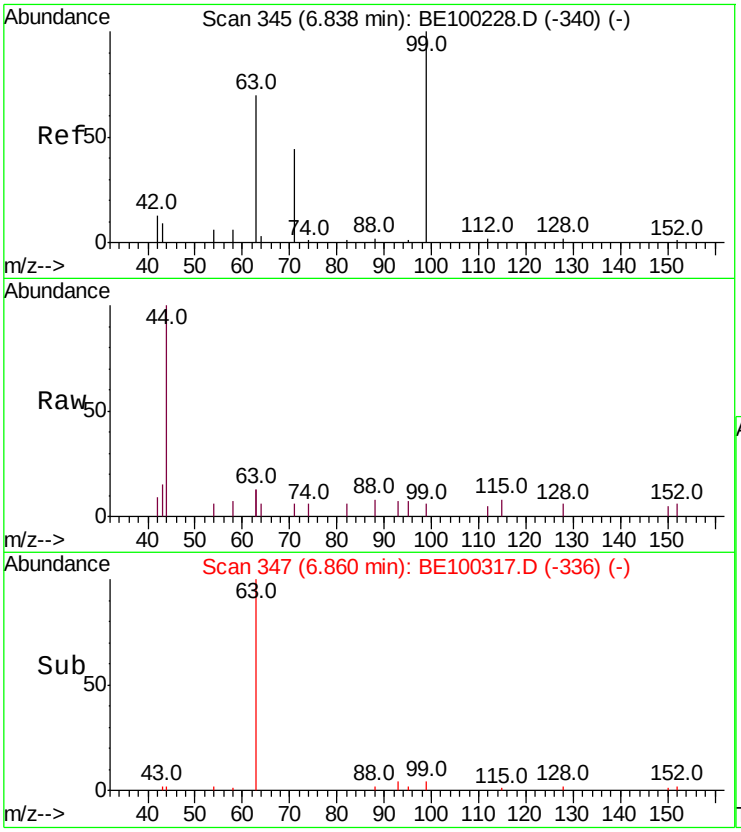


#4
2-Fluorophenol
Concen: 0.015 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:112 Resp: 28

Ion	Ratio	Lower	Upper
112	100		
64	0.0	39.4	59.0#
63	132.1	104.5	156.7





#5
Phenol-d6
Concen: 0.005 ng
RT: 6.86 min Scan# 347
Delta R.T. 0.02 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion: 99 Resp: 12

Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	0.0	37.2	55.8#

Instrument :
BNA_E
ClientSampleId :
PST-013-B211-062019DL

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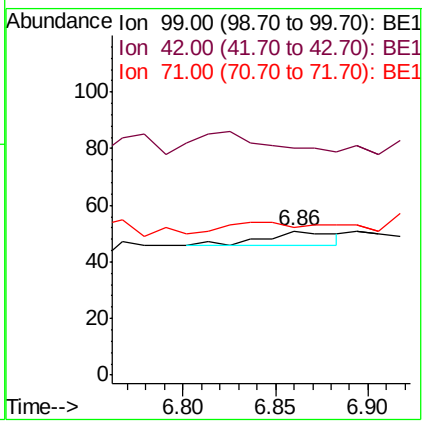
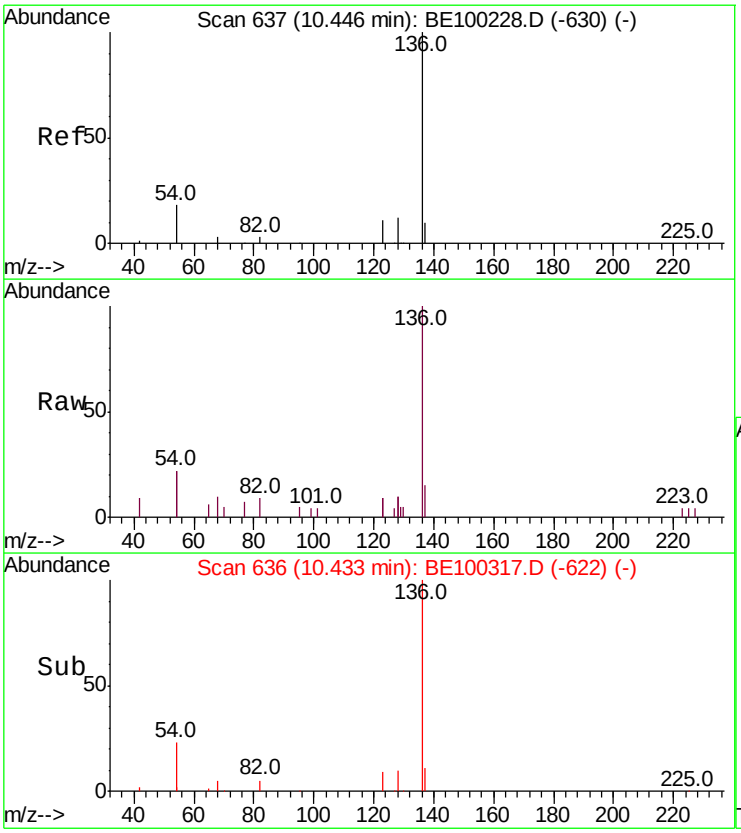
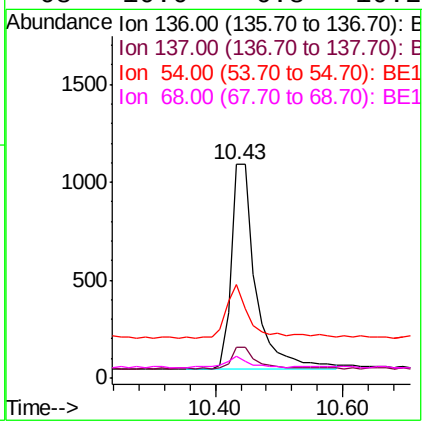


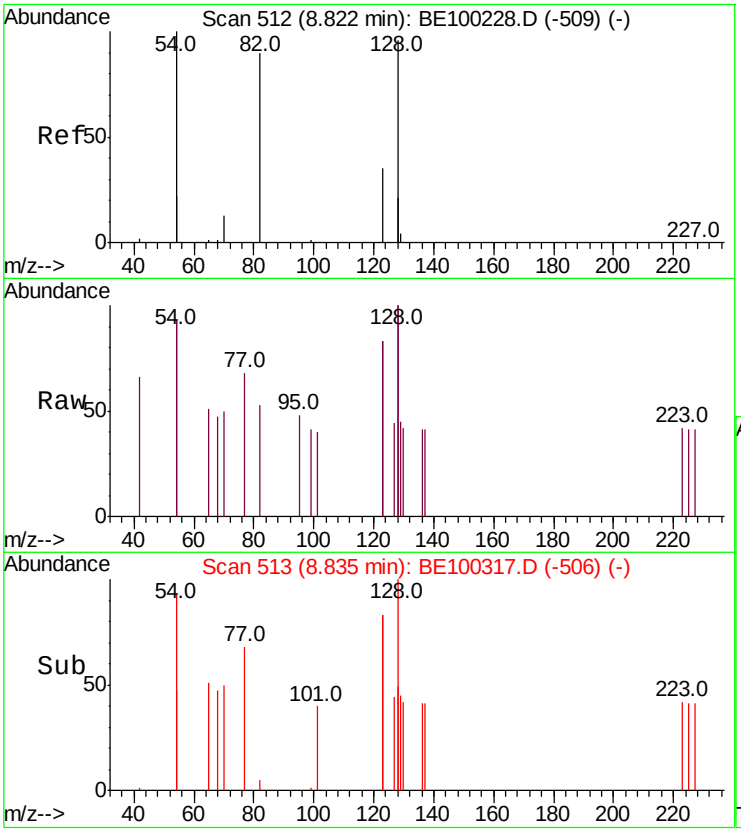


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:136 Resp: 2790

Ion	Ratio	Lower	Upper
136	100		
137	14.7	11.8	17.8
54	43.6	27.7	41.5#
68	10.0	6.8	10.2

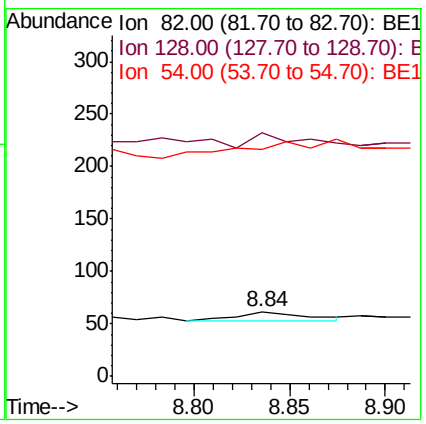




#8
Nitrobenzene-d5
Concen: 0.008 ng
RT: 8.84 min Scan# 513
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion: 82 Resp: 21

Ion	Ratio	Lower	Upper
82	100		
128	374.2	140.9	211.3#
54	348.4	146.2	219.2#



Instrument :
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ClientSampleId :
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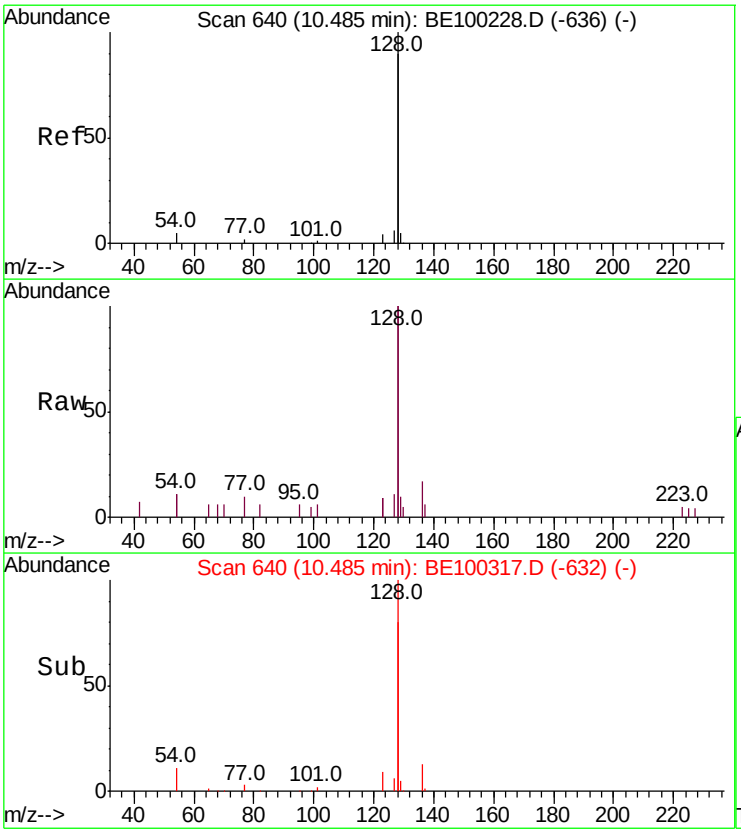
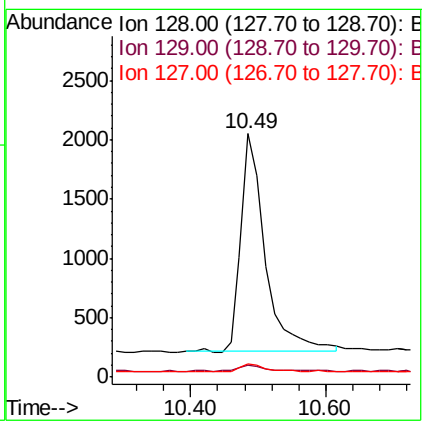
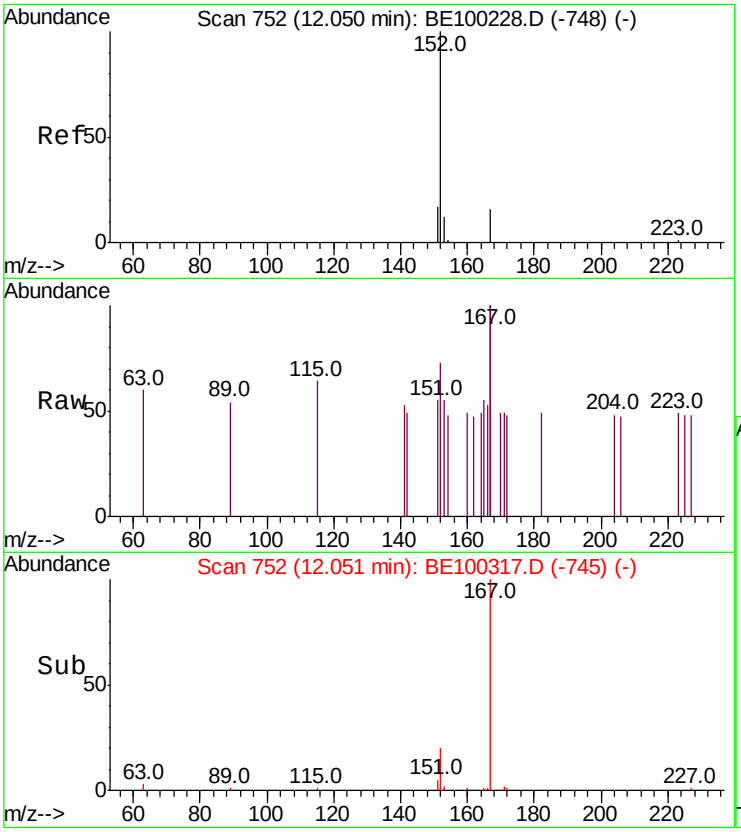


#9
Naphthalene
Concen: 0.151 ng
RT: 10.49 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:128 Resp: 4632

Ion	Ratio	Lower	Upper
128	100		
129	5.1	3.0	4.6#
127	5.6	3.5	5.3#

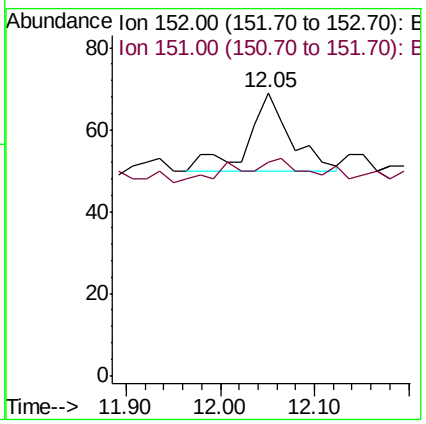




#11
2-Methylnaphthalene-d10
Concen: 0.011 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:152 Resp: 59

Ion	Ratio	Lower	Upper
152	100		
151	39.0	15.1	22.7#



Instrument :
BNA_E
ClientSampleId :
PST-013-B211-062019DL

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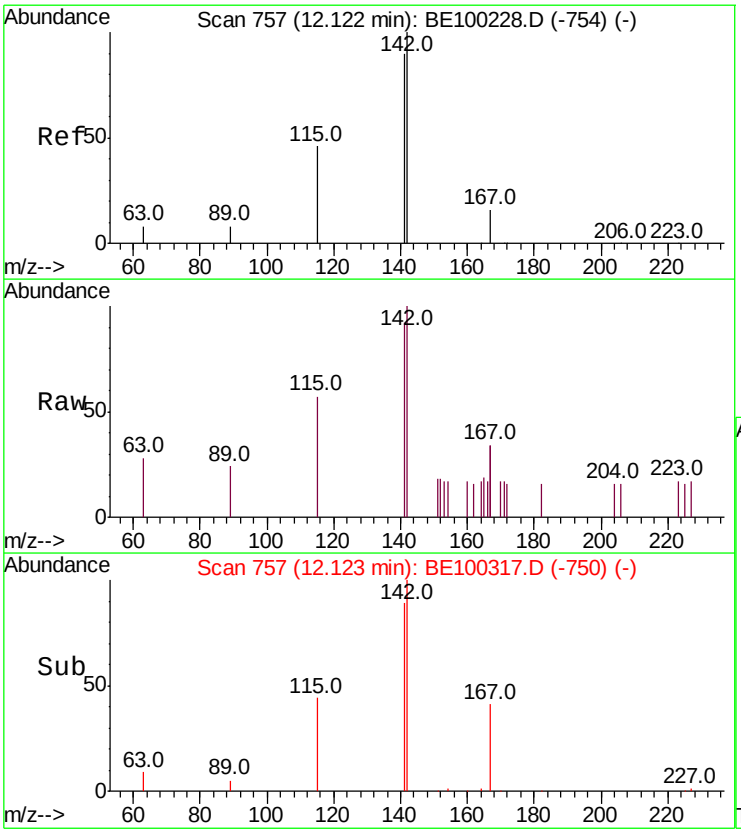
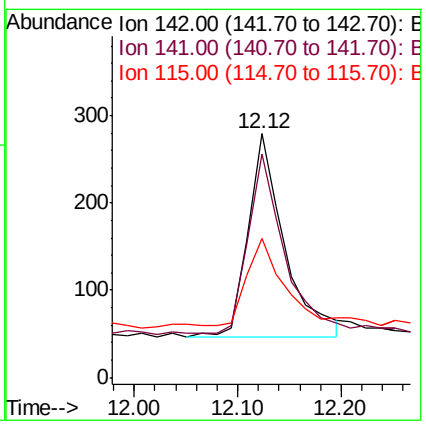
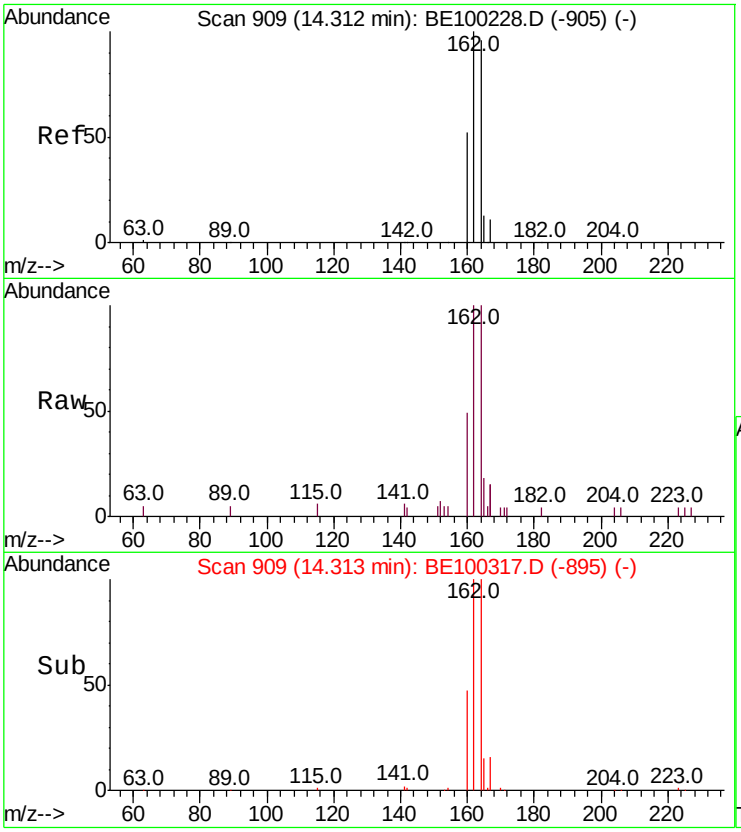


#12
2-Methylnaphthalene
Concen: 0.104 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:142 Resp: 564

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.4	108.6
115	57.3	40.4	60.6

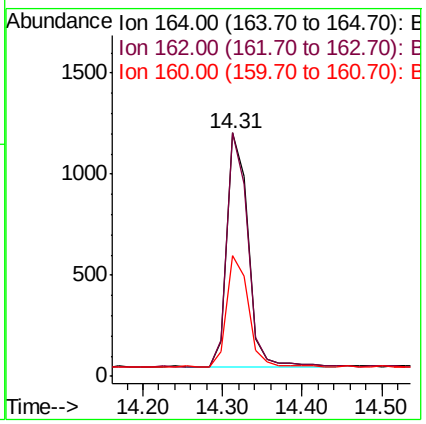




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:164 Resp: 2136

Ion	Ratio	Lower	Upper
164	100		
162	99.9	83.4	125.0
160	49.4	45.0	67.6



Instrument :
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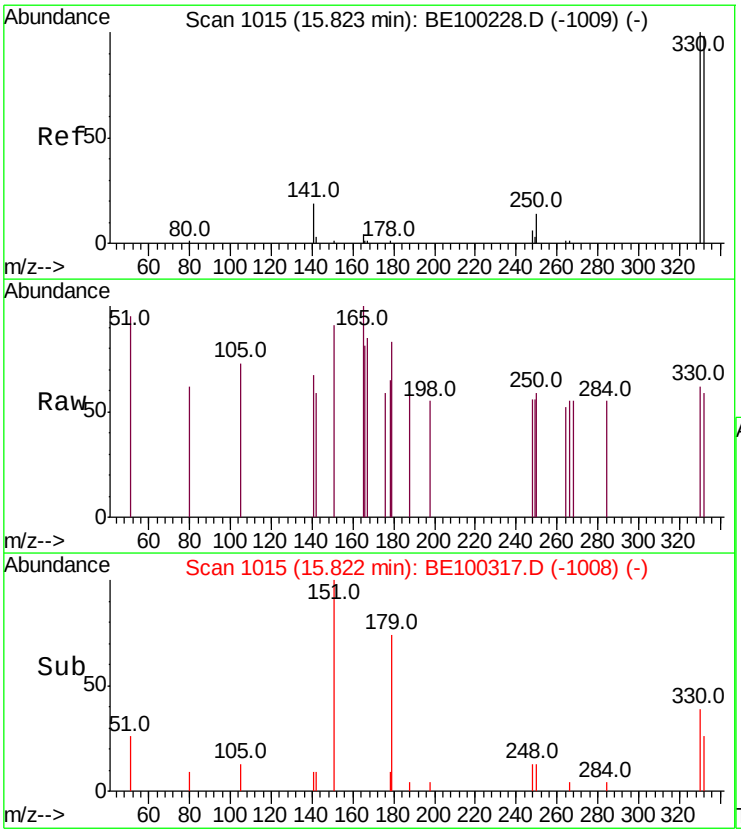
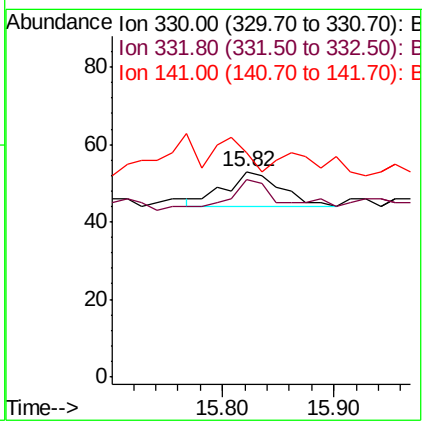
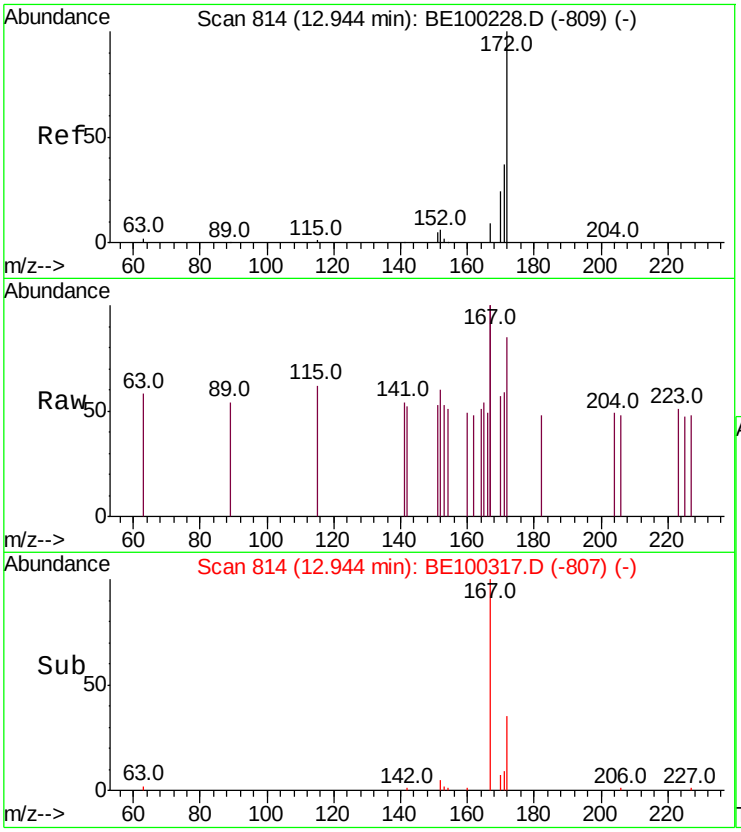


#14
2,4,6-Tribromophenol
Concen: 0.021 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:330 Resp: 31

Ion	Ratio	Lower	Upper
330	100		
332	45.2	77.0	115.4#
141	54.8	22.0	33.0#

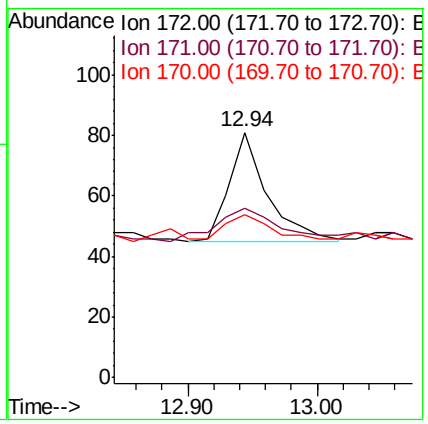




#15
2-Fluorobiphenyl
Concen: 0.009 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:172 Resp: 73

Ion	Ratio	Lower	Upper
172	100		
171	69.1	31.9	47.9#
170	66.7	22.2	33.2#



Instrument :
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ClientSampleId :
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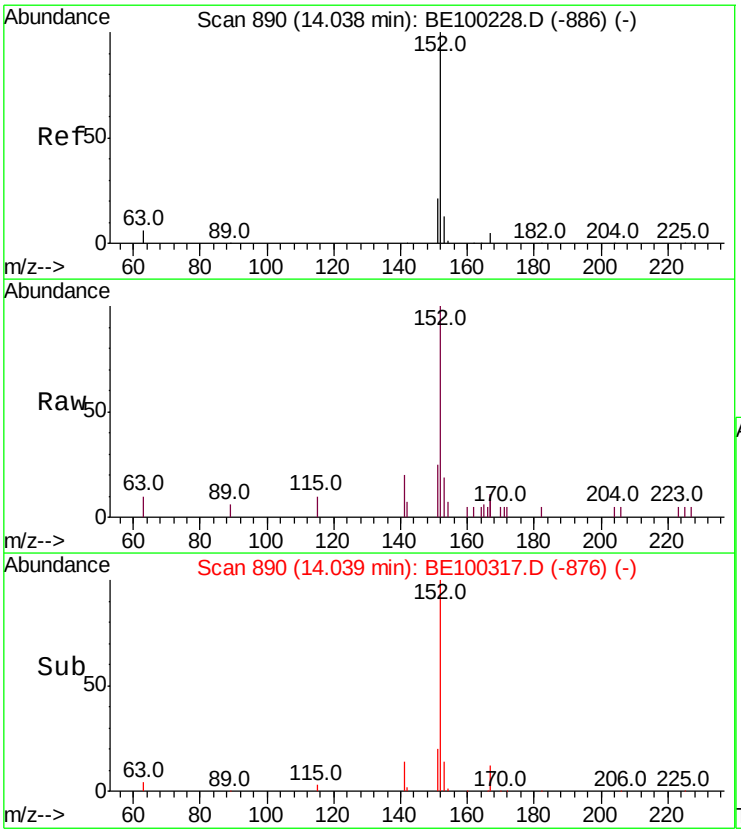
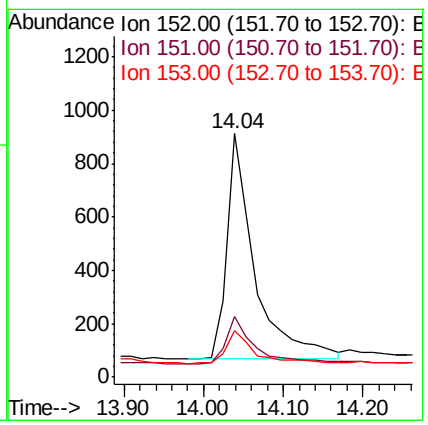
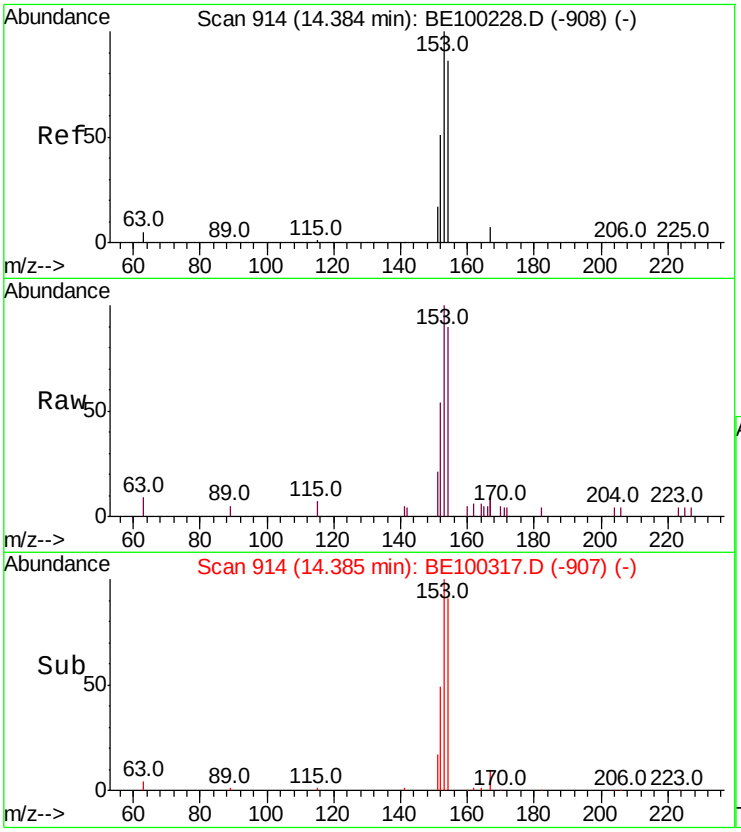


#16
Acenaphthylene
Concen: 0.200 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:152 Resp: 2047

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.6	25.0
153	15.2	10.5	15.7

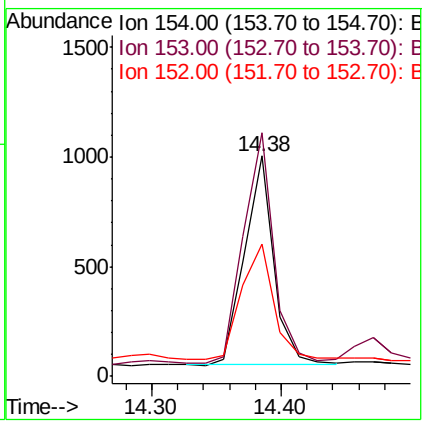




#17
Acenaphthene
Concen: 0.252 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:154 Resp: 1463

Ion	Ratio	Lower	Upper
154	100		
153	116.1	93.4	140.2
152	62.1	49.4	74.2



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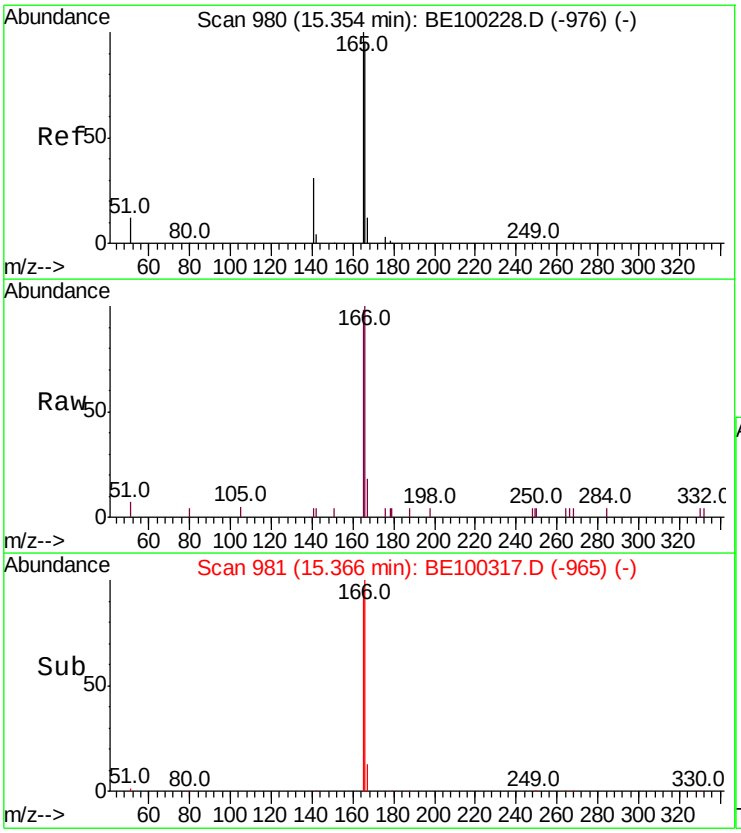
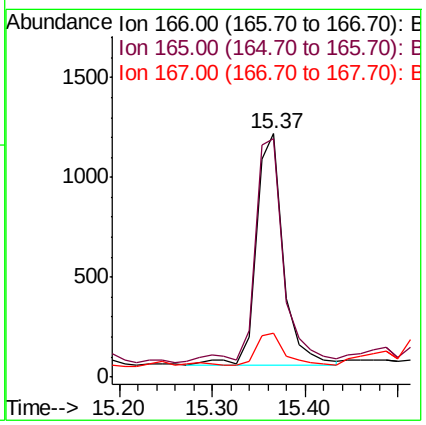
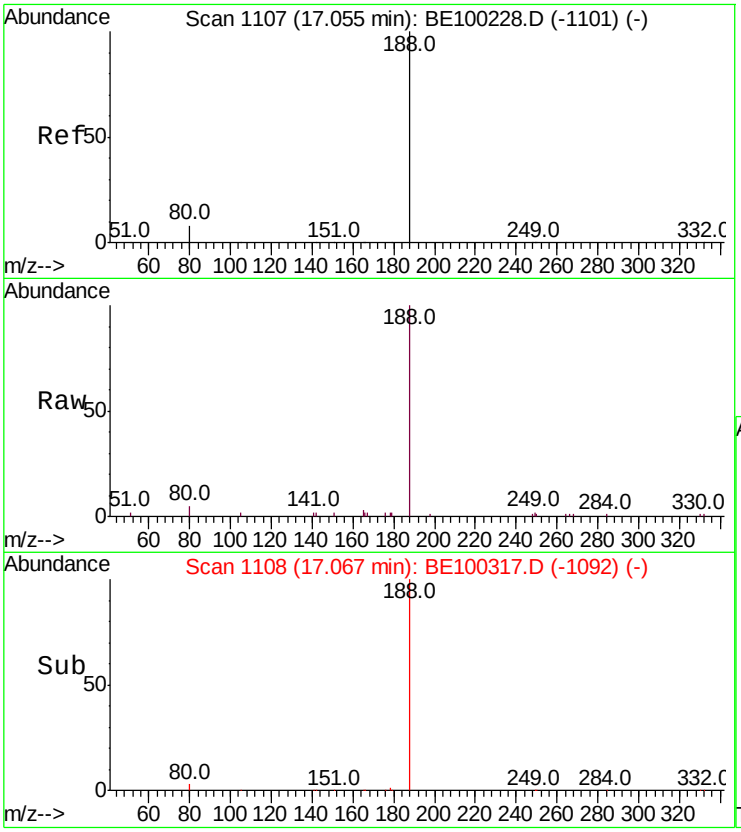


#18
Fluorene
Concen: 0.275 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:166 Resp: 2360

Ion	Ratio	Lower	Upper
166	100		
165	103.4	81.1	121.7
167	15.0	10.7	16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:188 Resp: 6059

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.6	7.6	11.4#

Instrument :
BNA_E
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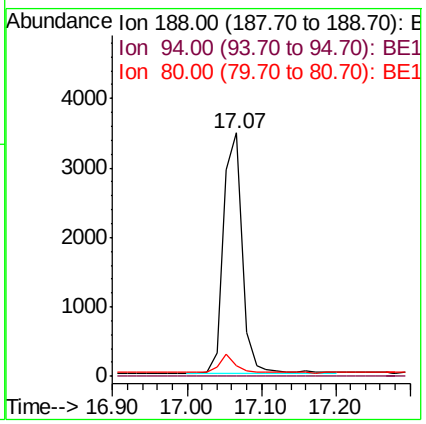
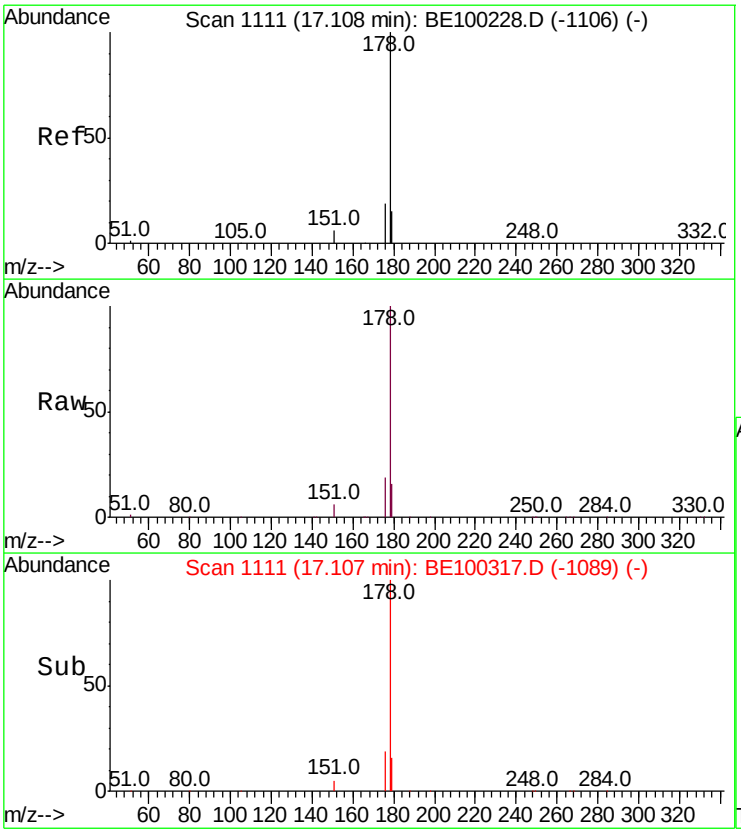
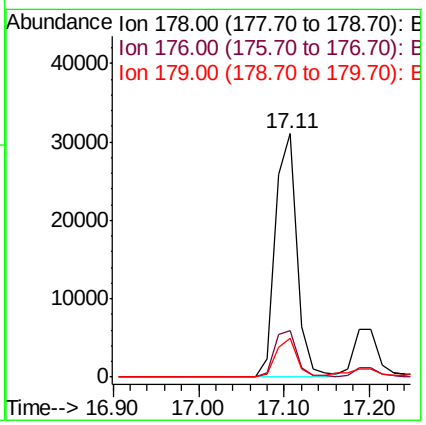


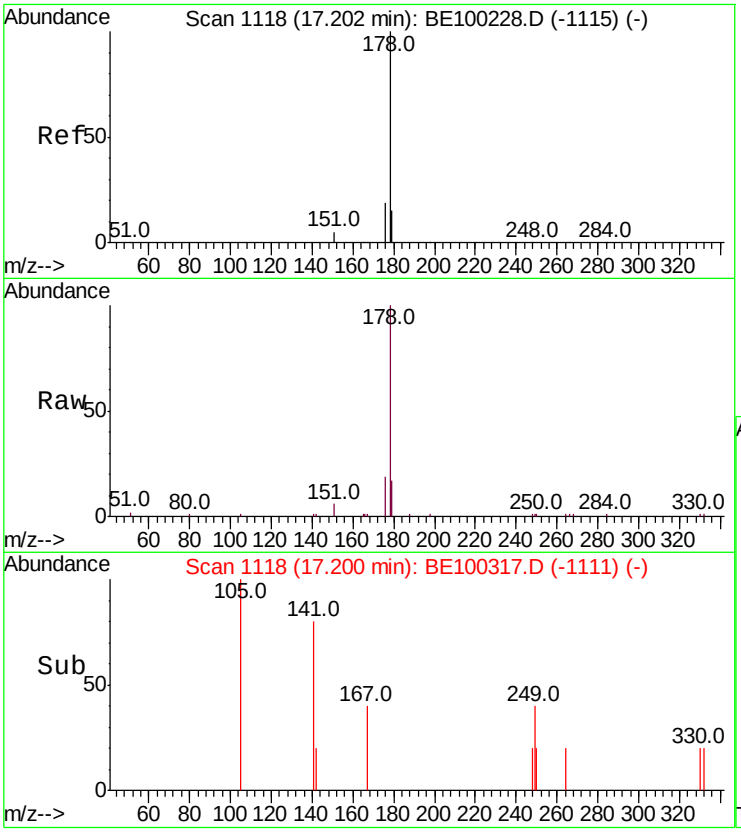


#23
Phenanthrene
Concen: 3.676 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:178 Resp: 53984

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.4	12.2	18.2

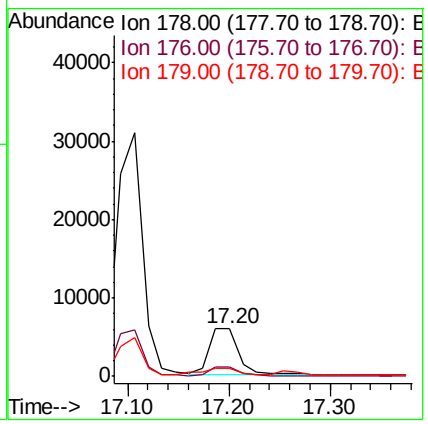




#24
Anthracene
Concen: 0.895 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:178 Resp: 11831

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	17.8	12.2	18.2



Instrument :
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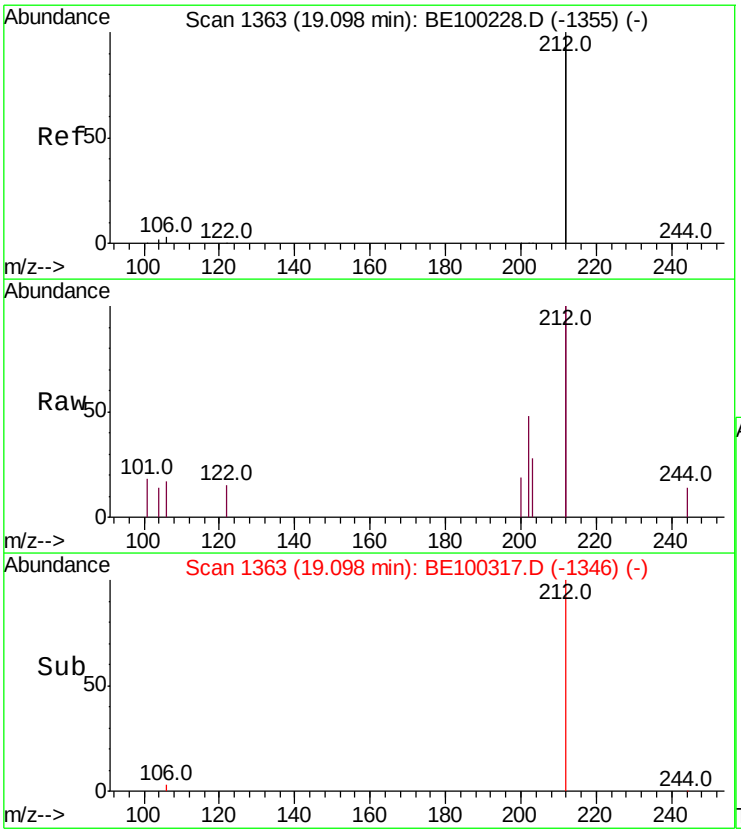
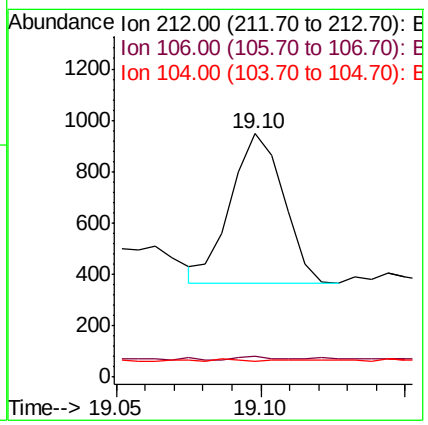
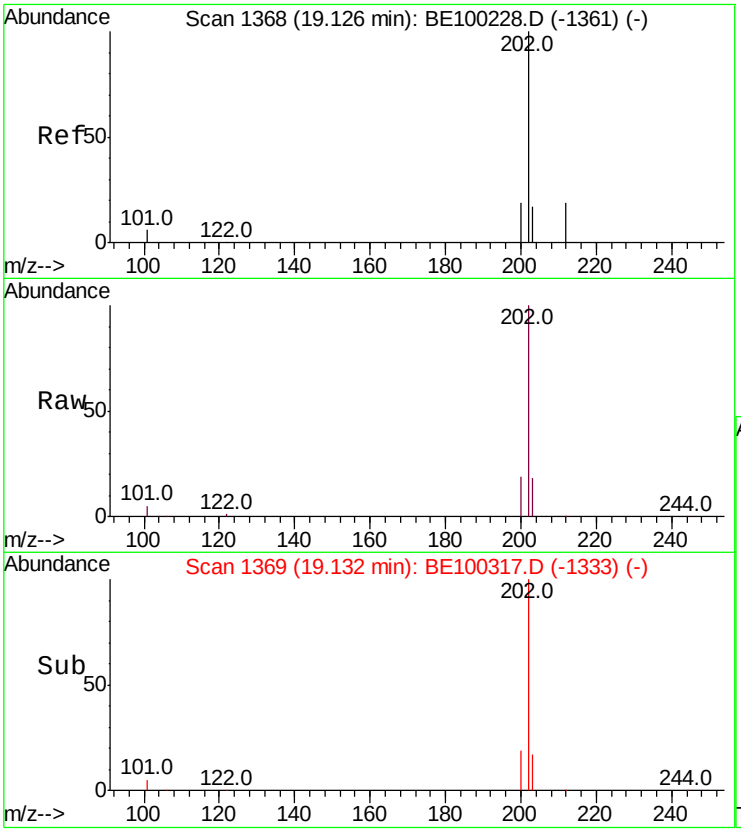


#25
Fluoranthene-d10
Concen: 0.008 ng
RT: 19.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:212 Resp: 731

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.5	0.8	1.2#

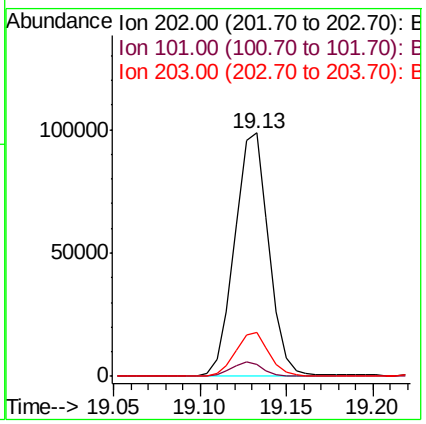




#26
Fluoranthene
Concen: 5.780 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:202 Resp: 135202

Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.6	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
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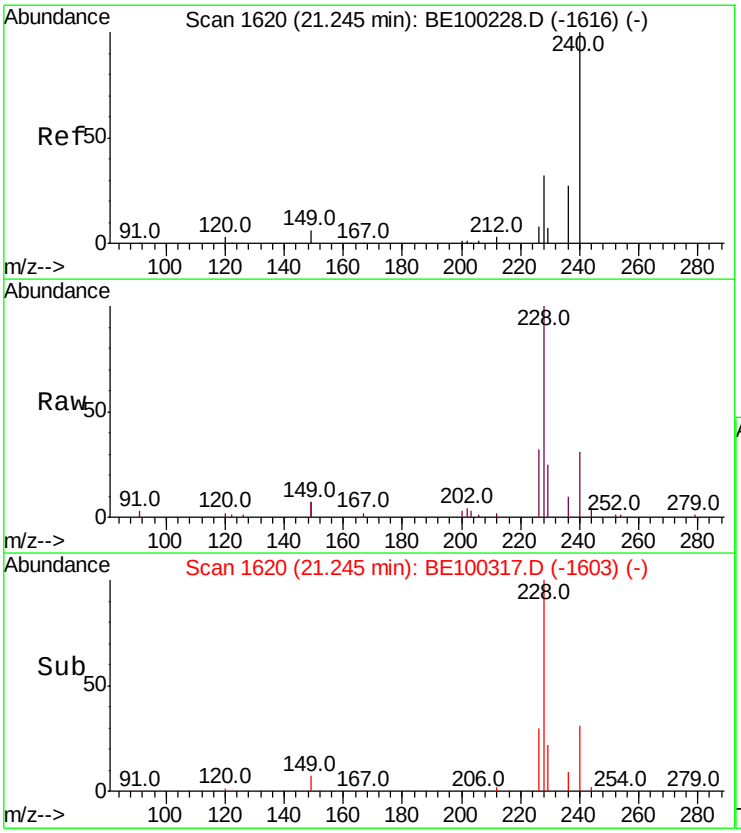
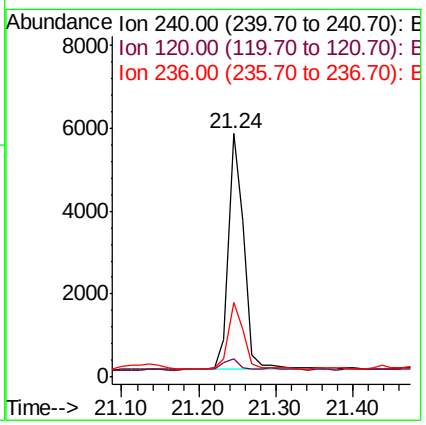
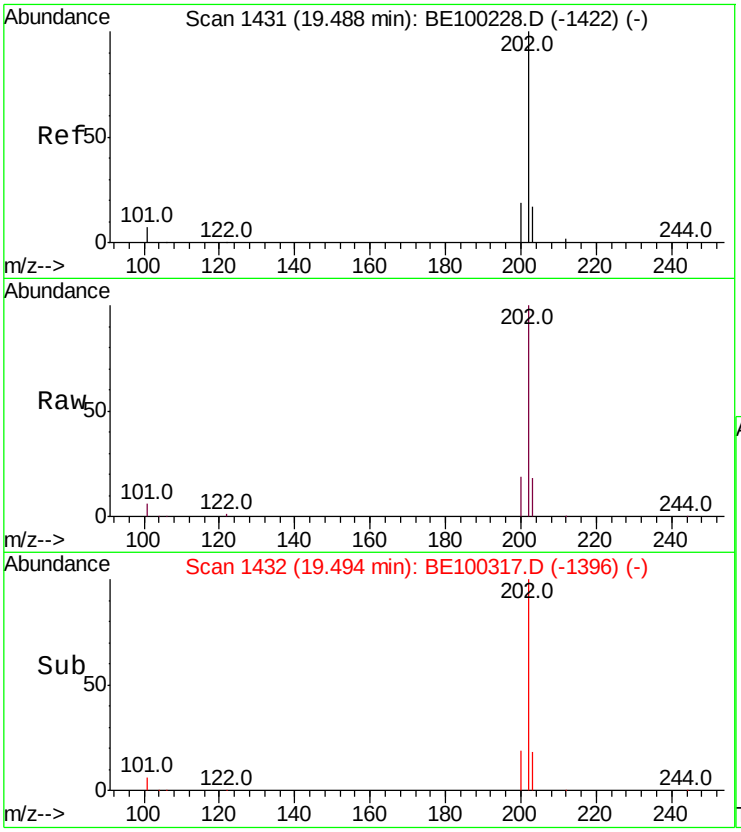


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:240 Resp: 7885

Ion	Ratio	Lower	Upper
240	100		
120	7.5	3.3	4.9#
236	30.5	22.6	34.0

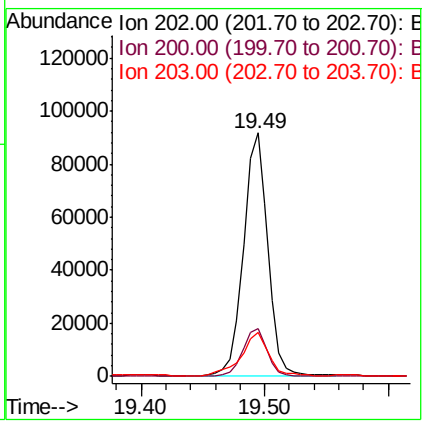




#28
Pyrene
Concen: 5.988 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:202 Resp: 125000

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	20.3	14.0	21.0



Instrument :
BNA_E
ClientSampleId :
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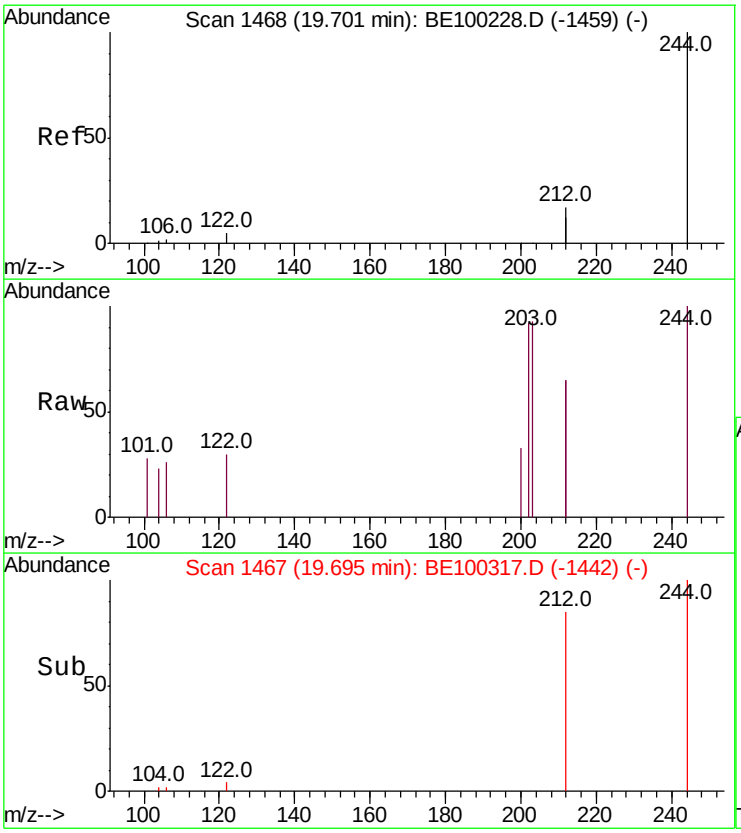
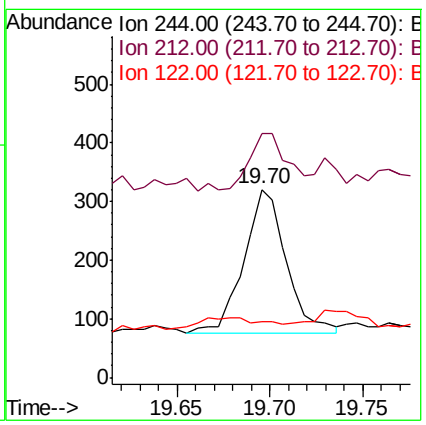
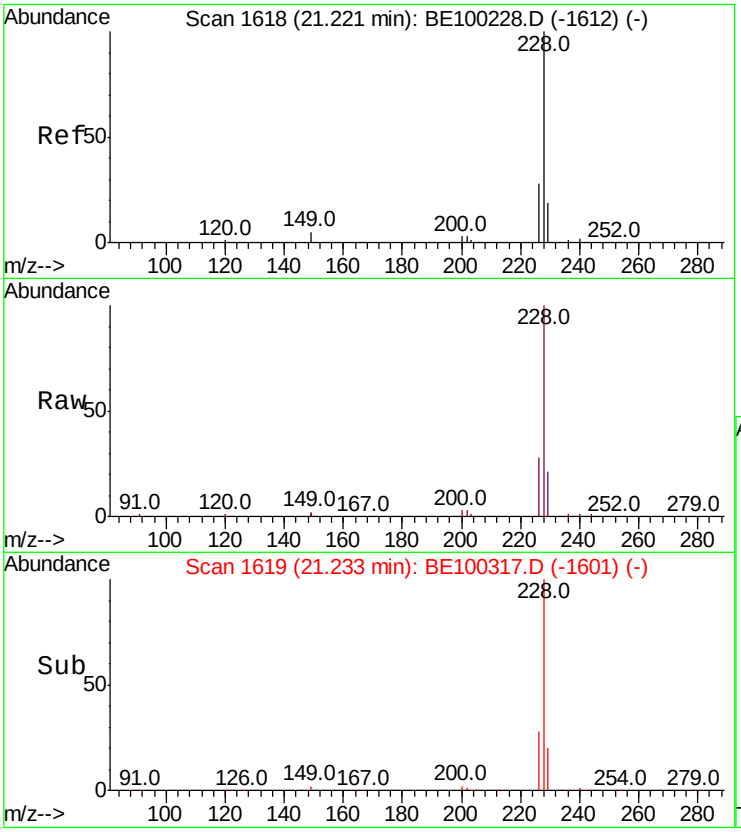


#29
Terphenyl-d14
Concen: 0.024 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:244 Resp: 386

Ion	Ratio	Lower	Upper
244	100		
212	130.0	27.3	40.9#
122	29.7	4.7	7.1#

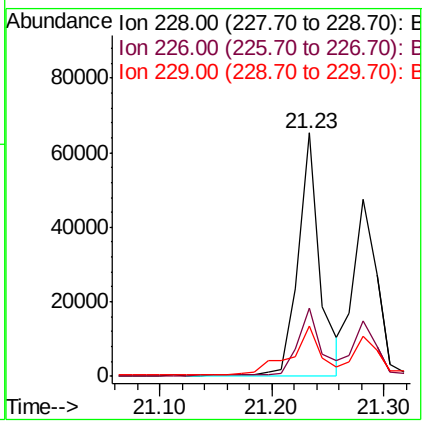




#30
Benzo(a)anthracene
Concen: 3.353 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:228 Resp: 86922

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.2	34.8
229	20.6	15.7	23.5



Instrument :
BNA_E
ClientSampleId :
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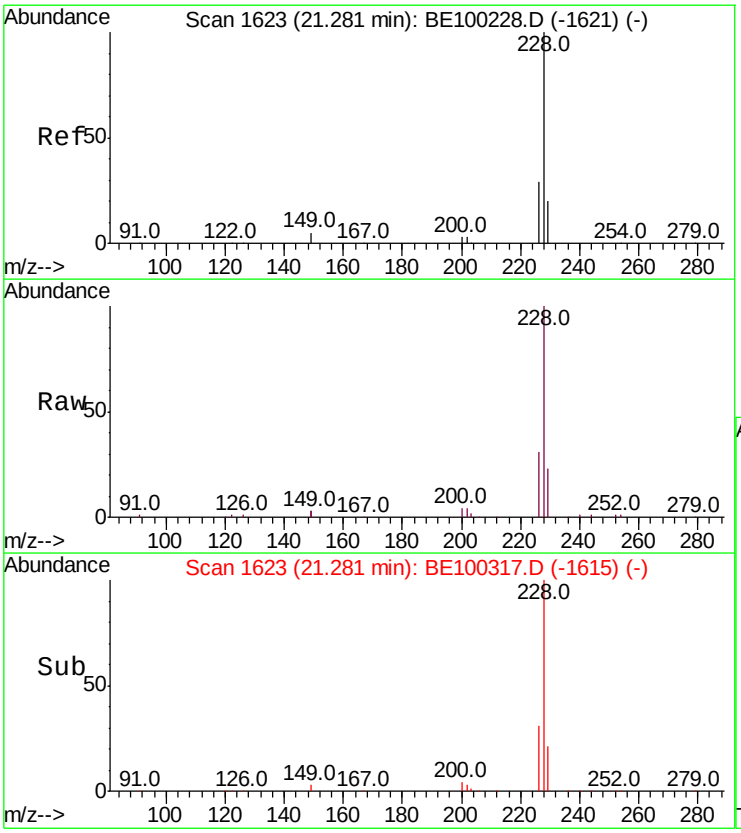
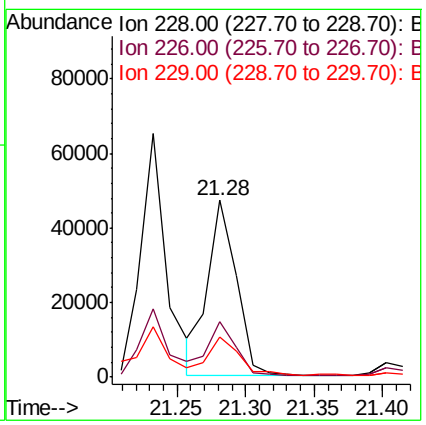
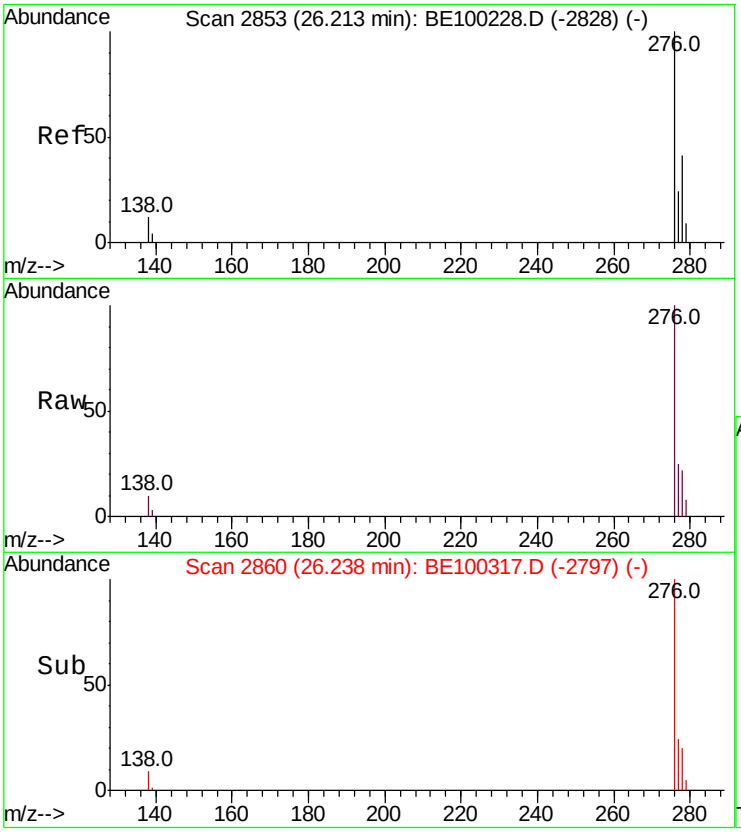


#31
Chrysene
Concen: 2.604 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:228 Resp: 67785

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.9	35.9
229	22.6	16.5	24.7

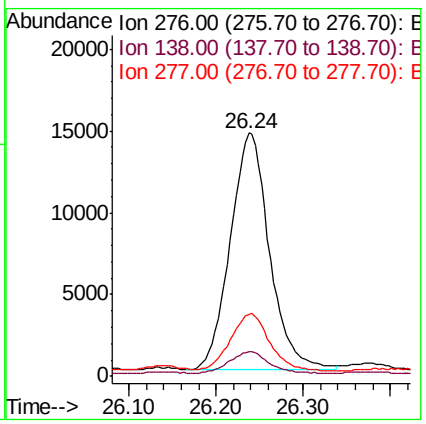




#33
Indeno(1,2,3-cd)pyrene
Concen: 1.304 ng
RT: 26.24 min Scan# 2860
Delta R.T. 0.02 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:276 Resp: 44911

Ion	Ratio	Lower	Upper
276	100		
138	9.0	9.4	14.0#
277	24.1	19.2	28.8



Instrument :
BNA_E
ClientSampleId :
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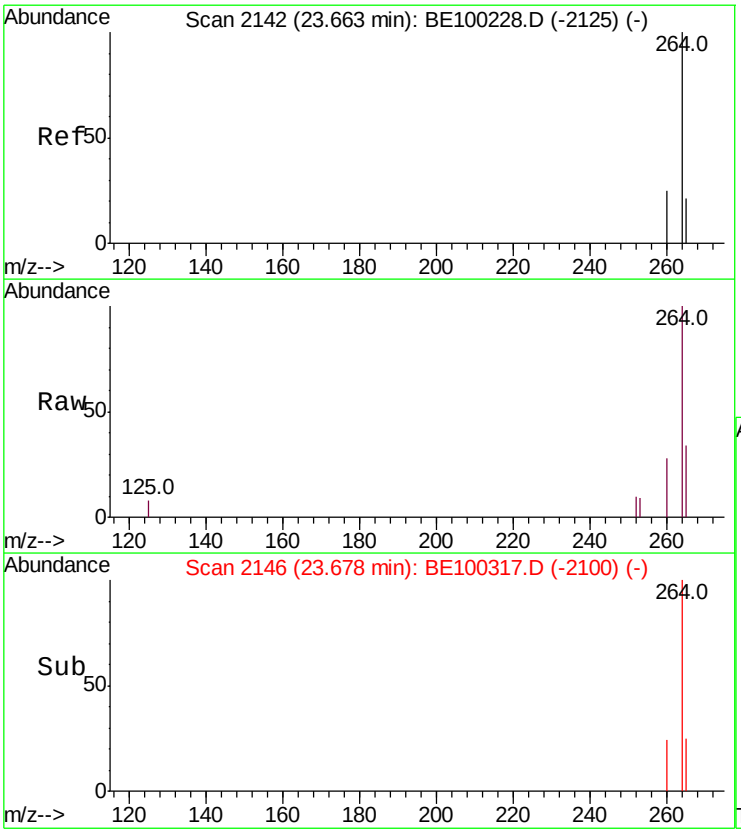
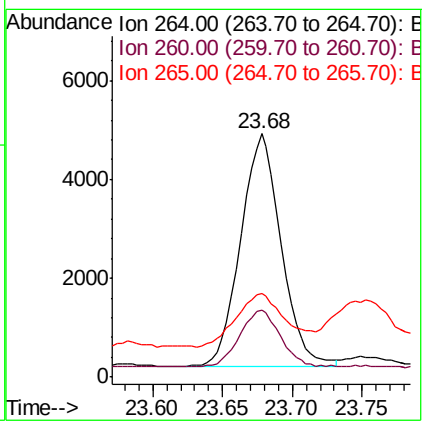
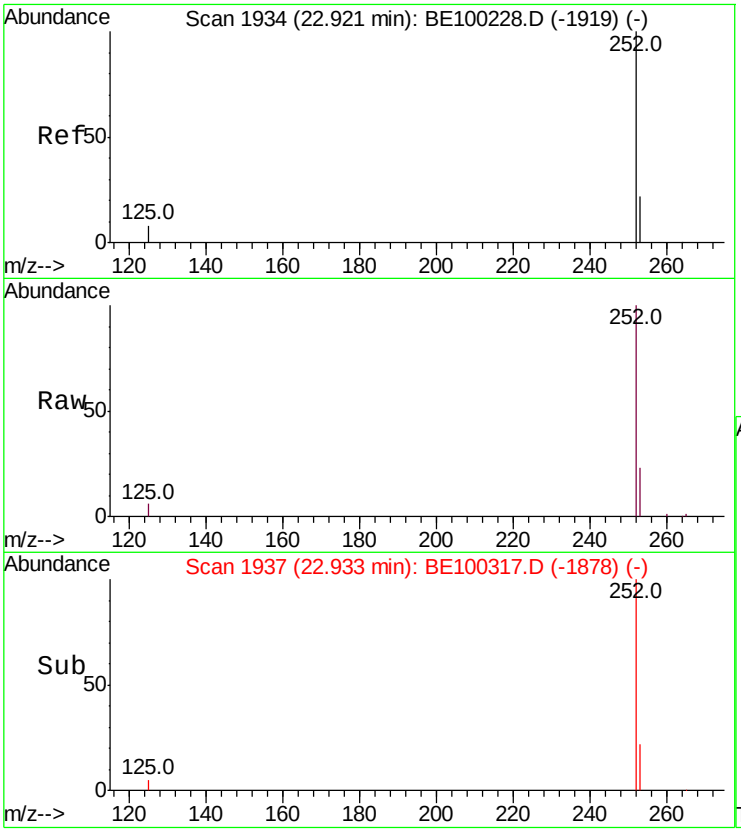


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.02 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:264 Resp: 9513

Ion	Ratio	Lower	Upper
264	100		
260	27.5	20.8	31.2
265	34.3	21.8	32.6#





#35
Benzo(b)fluoranthene
Concen: 3.584 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:252 Resp: 92451

Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.2	28.8
125	5.5	7.4	11.0#

Instrument :
BNA_E
ClientSampleId :
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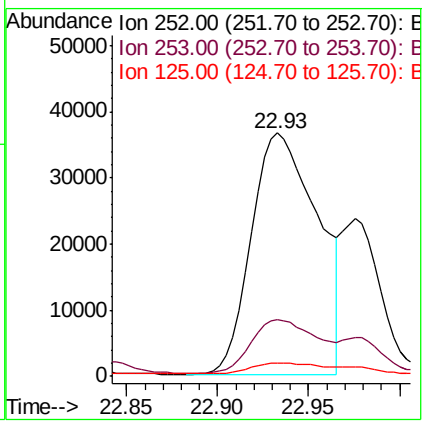
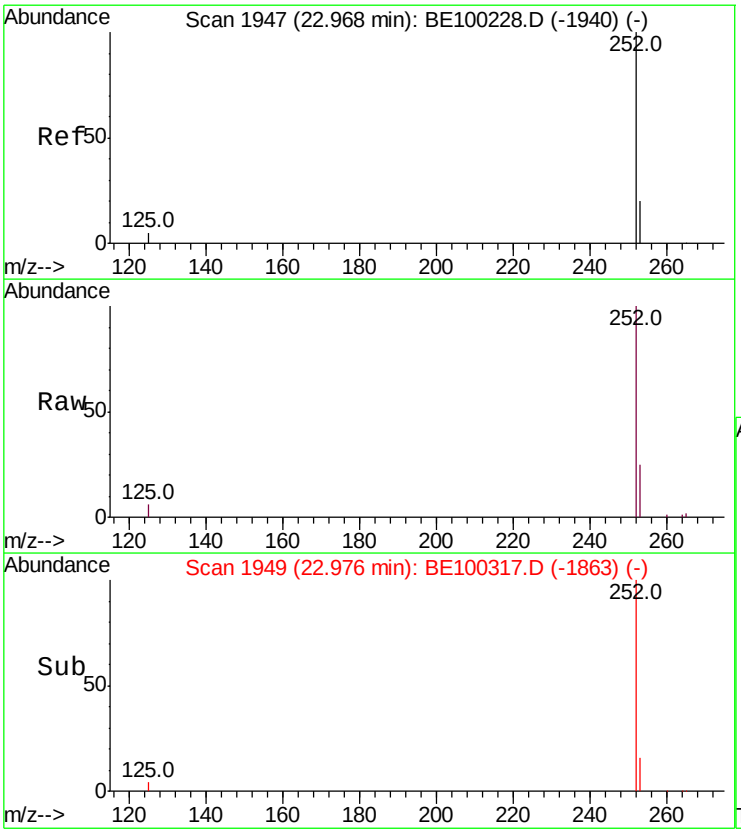
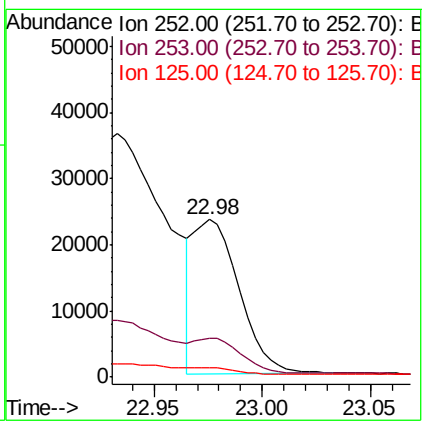


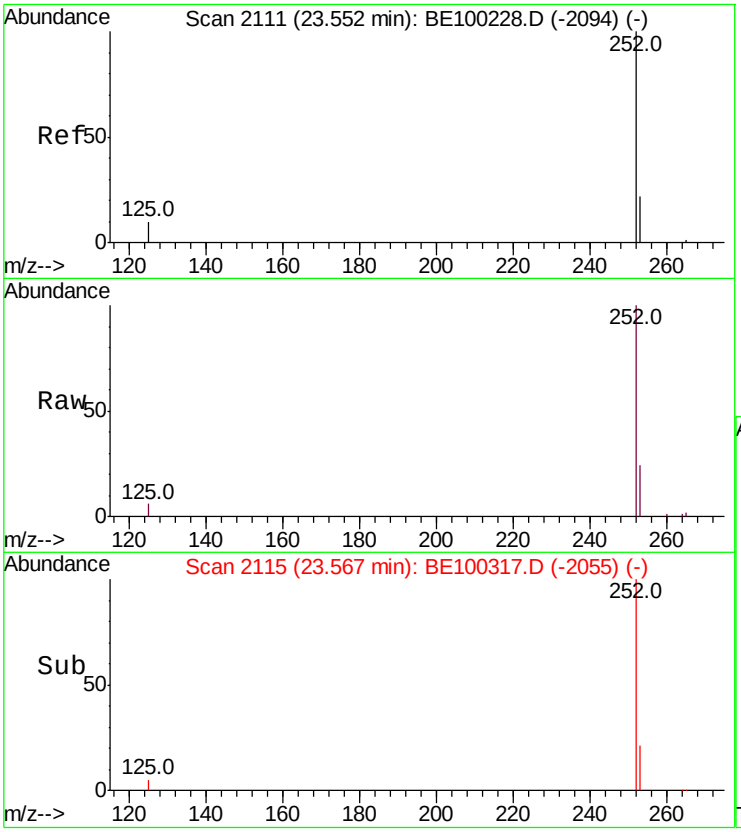


#36
Benzo(k)fluoranthene
Concen: 1.201 ng m
RT: 22.98 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:252 Resp: 34573

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	5.9	5.0	7.4





#37
Benzo(a)pyrene
Concen: 2.732 ng m
RT: 23.57 min Scan# 2115
Delta R.T. 0.02 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:252 Resp: 70620

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.6	29.4
125	5.7	9.0	13.6#

Instrument :
BNA_E
ClientSampleId :
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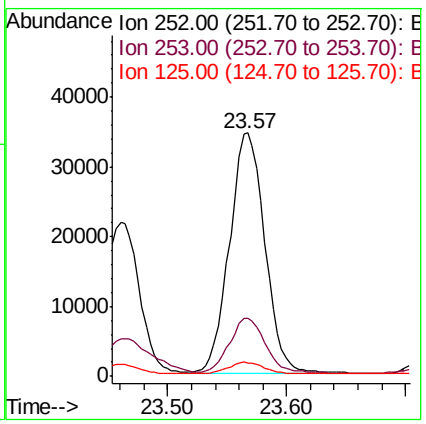
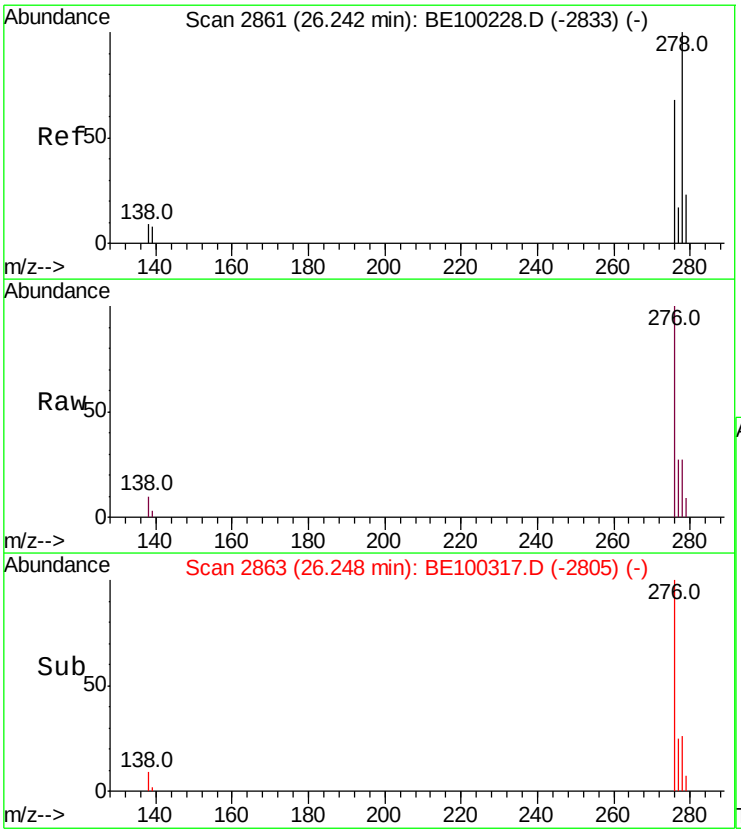
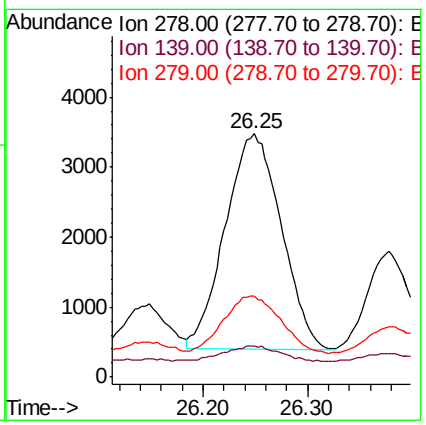


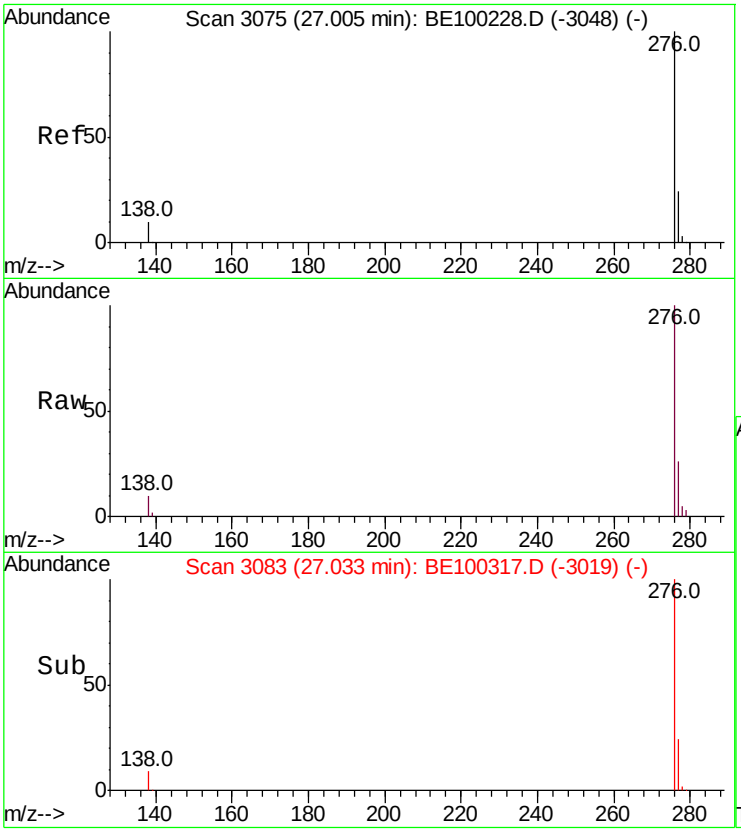


#38
Dibenzo(a,h)anthracene
Concen: 0.423 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:278 Resp: 11428

Ion	Ratio	Lower	Upper
278	100		
139	12.7	8.2	12.2#
279	33.6	20.3	30.5#

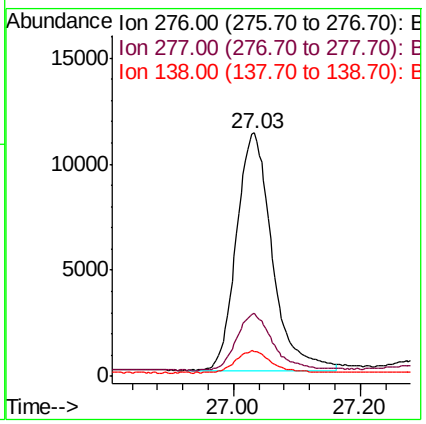




#39
Benzo(g,h,i)perylene
Concen: 1.581 ng
RT: 27.03 min Scan# 3083
Delta R.T. 0.03 min
Lab File: BE100317.D
Acq: 3 Jul 2019 00:04

Tgt Ion:276 Resp: 43845

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.2	30.2
138	10.3	9.0	13.6



Instrument :
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ClientSampleId :
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