Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100404.D
Acq On : 6 Jul 2019 5:31
Operator : JU/SJ
Sample : K3561-05MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

Manual Integrations APPROVED
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7/8/2019 2:14:42 PM

Quant Time: Jul 06 06:47:56 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	7.62	152	583	0.40	ng		-0.02
7) Naphthalene-d8	10.42	136	1964	0.40	ng		-0.03
13) Acenaphthene-d10	14.30	164	1424	0.40	ng		-0.01
19) Phenanthrene-d10	17.04	188	4523	0.40	ng		-0.01
27) Chrysene-d12	21.23	240	5834	0.40	ng		-0.01
34) Perylene-d12	23.65	264	7478	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.20	112	478	0.32	ng		-0.01
5) Phenol-d6	6.81	99	661	0.34	ng		-0.02
8) Nitrobenzene-d5	8.80	82	507	0.26	ng		-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1465	0.40	ng		-0.03
14) 2,4,6-Tribromophenol	15.80	330	353	0.35	ng		-0.03
15) 2-Fluorobiphenyl	12.91	172	1884	0.34	ng		-0.03
25) Fluoranthene-d10	19.08	212	18071	0.28	ng		-0.02
29) Terphenyl-d14	19.68	244	4167	0.34	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.07	88	211	0.233	ng	#	46
3) n-Nitrosodimethylamine	3.42	42	184	0.436	ng	#	84
6) bis(2-Chloroethyl)ether	7.06	93	462	0.288	ng	#	68
9) Naphthalene	10.47	128	7446	0.344	ng		99
10) Hexachlorobutadiene	10.73	225	689	0.330	ng		99
12) 2-Methylnaphthalene	12.09	142	1151	0.303	ng		95
16) Acenaphthylene	14.02	152	2492	0.365	ng		99
17) Acenaphthene	14.36	154	1400	0.362	ng		94
18) Fluorene	15.34	166	2141	0.374	ng		99
20) 4-Bromophenyl-phenylether	16.24	248	882	0.306	ng	#	92
21) Hexachlorobenzene	16.34	284	874	0.292	ng		95
22) Pentachlorophenol	16.72	266	293	0.325	ng		96
23) Phenanthrene	17.08	178	15276	1.393	ng		99
24) Anthracene	17.17	178	4497	0.456	ng	#	96
26) Fluoranthene	19.11	202	26246	1.503	ng		99
28) Pyrene	19.48	202	43422	2.811	ng	#	95
30) Benzo(a)anthracene	21.21	228	25016	1.304	ng		97
31) Chrysene	21.27	228	28673	1.489	ng		99
32) Bis(2-ethylhexyl)phthalate	21.14	149	21038	0.718	ng		100
33) Indeno(1,2,3-cd)pyrene	26.20	276	15236	0.598	ng		94
35) Benzo(b)fluoranthene	22.91	252	22706	1.120	ng	#	98
36) Benzo(k)fluoranthene	22.95	252	13126m	0.580	ng		
37) Benzo(a)pyrene	23.54	252	21088	1.038	ng	#	96
38) Dibenzo(a,h)anthracene	26.22	278	7293	0.344	ng		93
39) Benzo(g,h,i)perylene	26.98	276	15675	0.719	ng		98

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

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QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

Manual Integrations APPROVED
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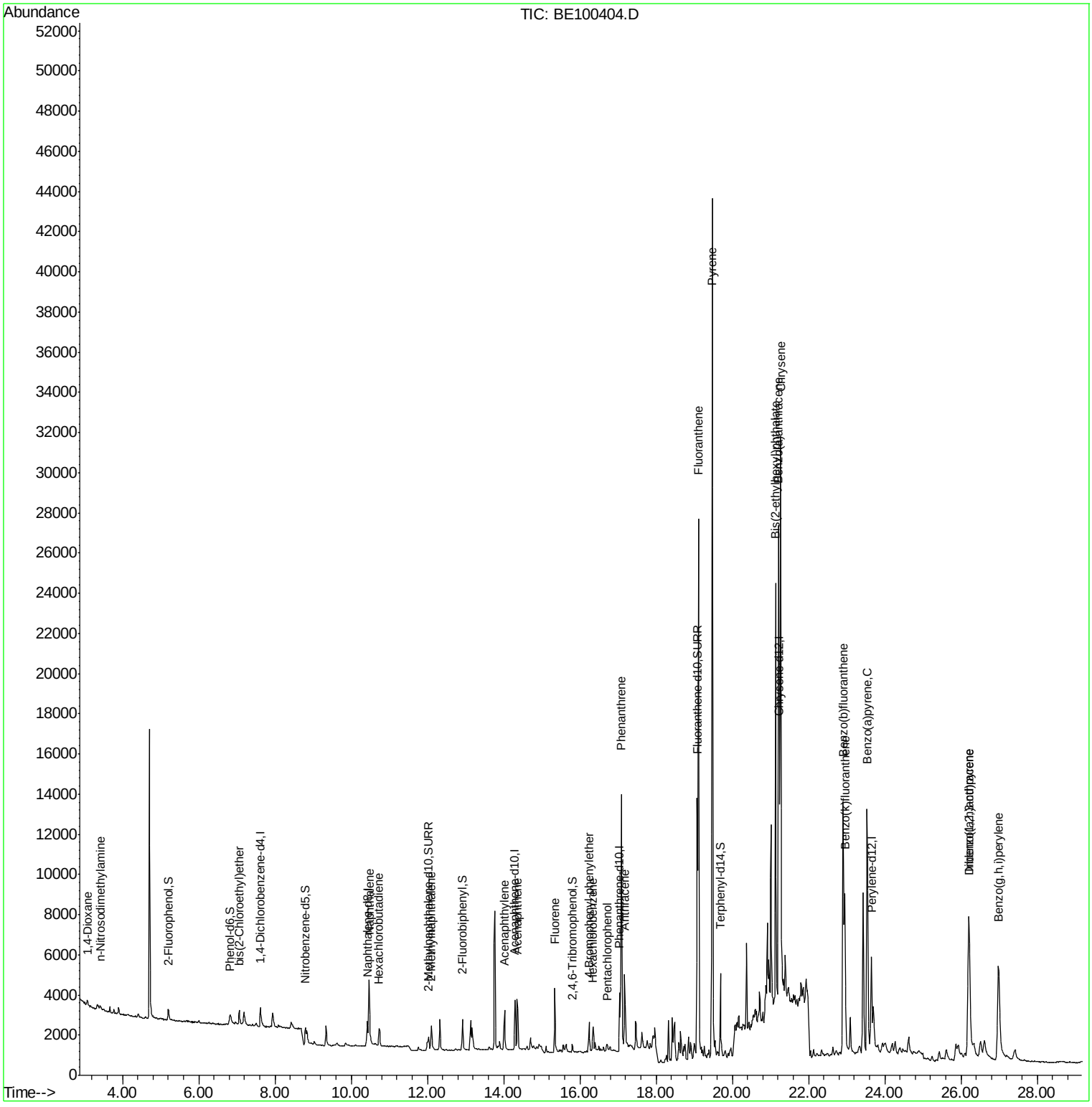
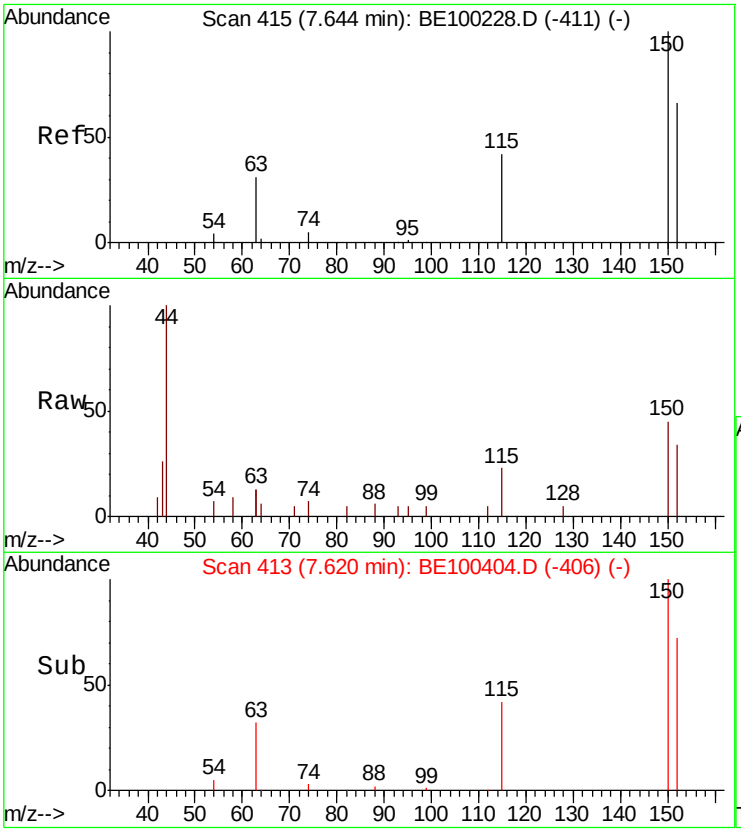
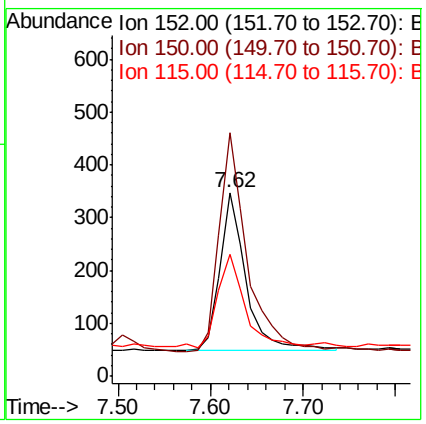




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:152 Resp: 583

Ion	Ratio	Lower	Upper
152	100		
150	132.9	114.5	171.7
115	66.3	57.1	85.7



Instrument :
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ClientSampleId :
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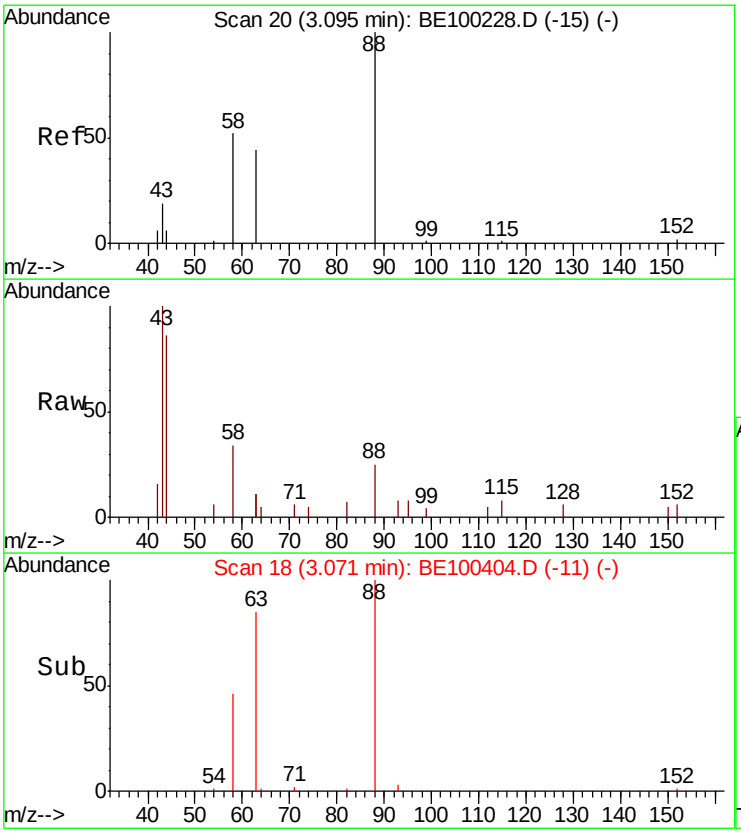
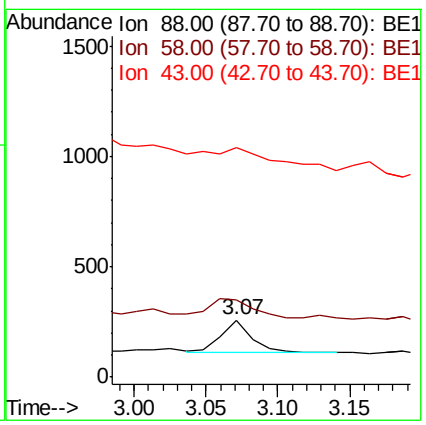
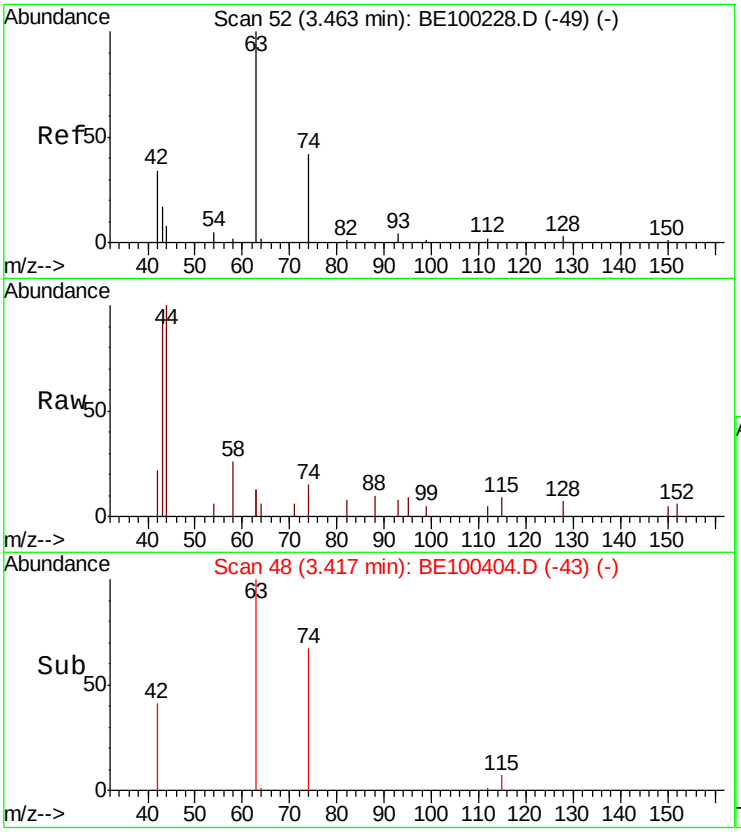


#2
1,4-Dioxane
Concen: 0.233 ng
RT: 3.07 min Scan# 18
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion: 88 Resp: 211

Ion	Ratio	Lower	Upper
88	100		
58	94.3	43.6	65.4#
43	0.0	21.4	32.0#

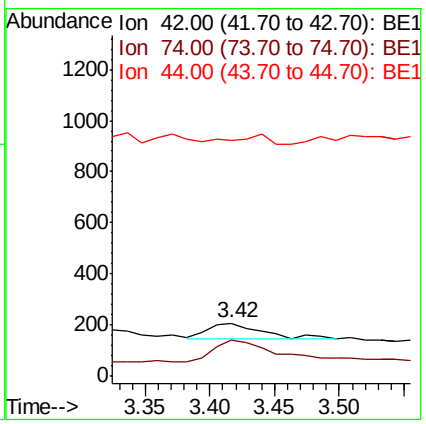




#3
n-Nitrosodimethylamine
Concen: 0.436 ng
RT: 3.42 min Scan# 48
Delta R.T. -0.05 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion: 42 Resp: 184

Ion	Ratio	Lower	Upper
42	100		
74	162.5	130.6	196.0
44	0.0	38.0	57.0#



Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

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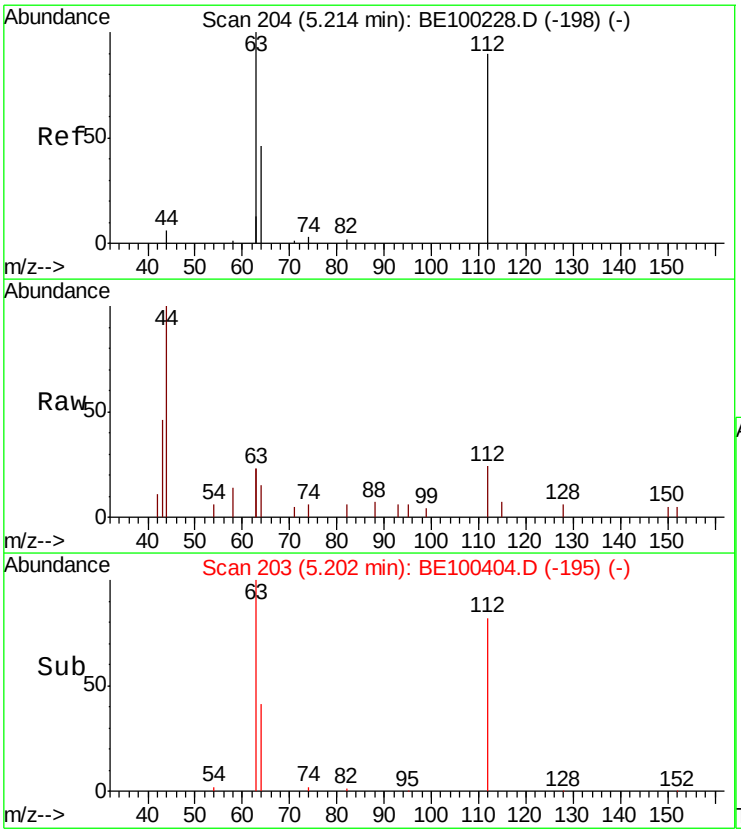
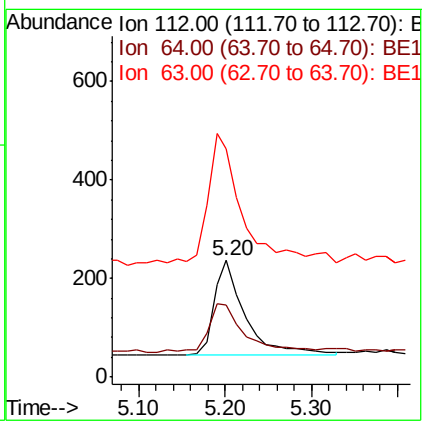
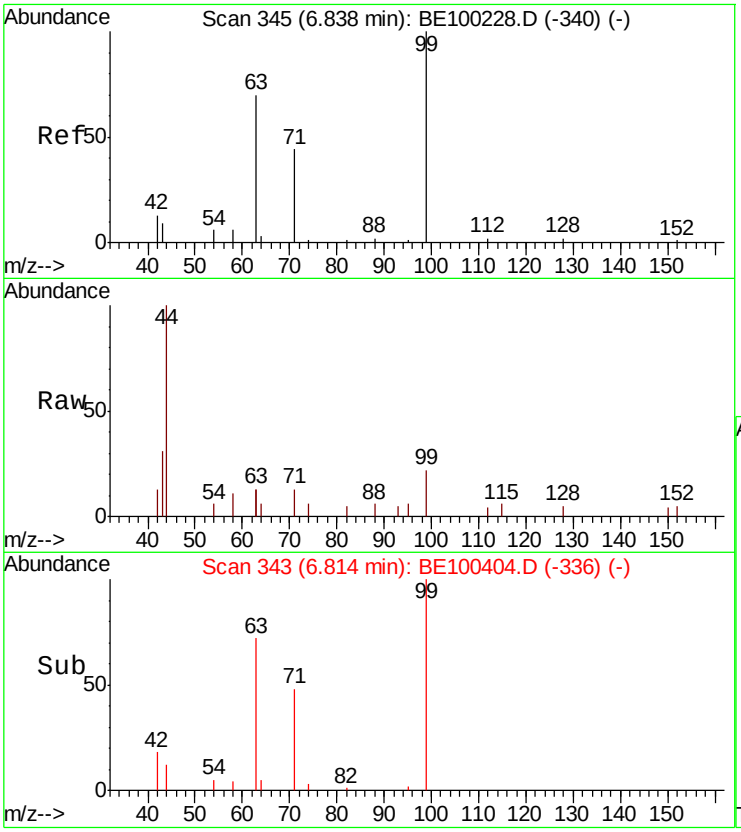


#4
2-Fluorophenol
Concen: 0.321 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:112 Resp: 478

Ion	Ratio	Lower	Upper
112	100		
64	58.4	39.4	59.0
63	151.0	104.5	156.7





#5
Phenol-d6
Concen: 0.338 ng
RT: 6.81 min Scan# 343
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion: 99 Resp: 661

Ion	Ratio	Lower	Upper
99	100		
42	17.1	11.2	16.8#
71	45.4	37.2	55.8

Instrument :
BNA_E
ClientSampleId :
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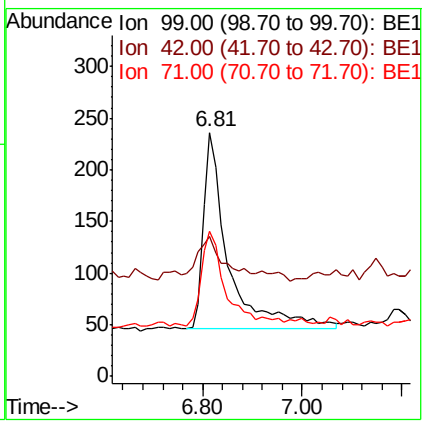
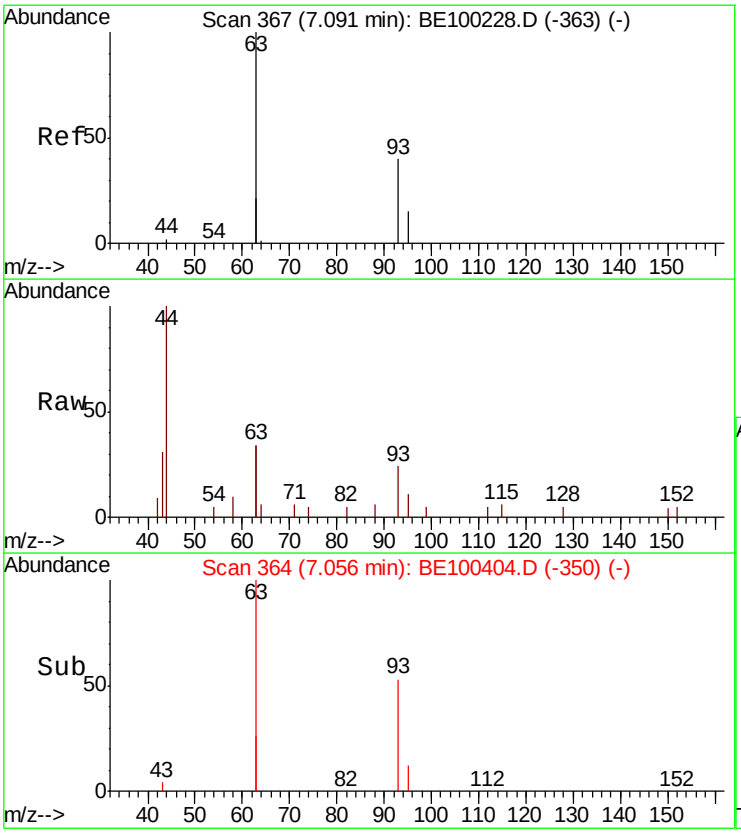
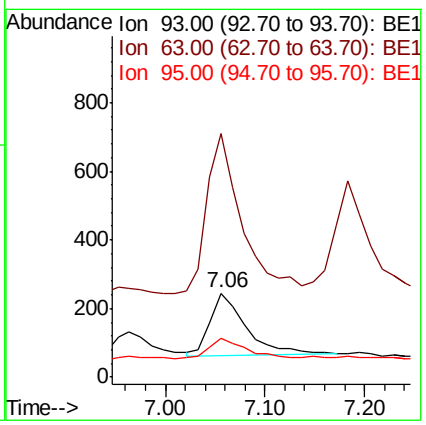


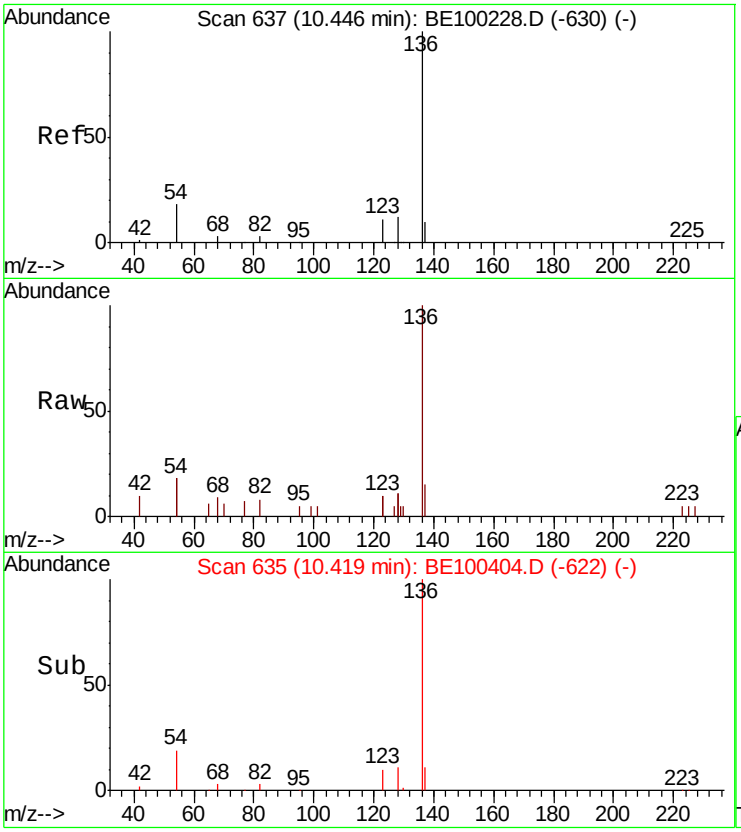


#6
bis(2-Chloroethyl)ether
Concen: 0.288 ng
RT: 7.06 min Scan# 364
Delta R.T. -0.04 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion: 93 Resp: 462

Ion	Ratio	Lower	Upper
93	100		
63	247.2	155.6	233.4#
95	31.6	23.0	34.4

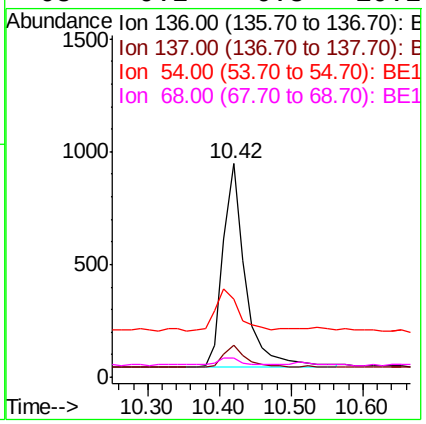




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.42 min Scan# 635
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:136 Resp: 1964

Ion	Ratio	Lower	Upper
136	100		
137	15.1	11.8	17.8
54	36.3	27.7	41.5
68	9.2	6.8	10.2



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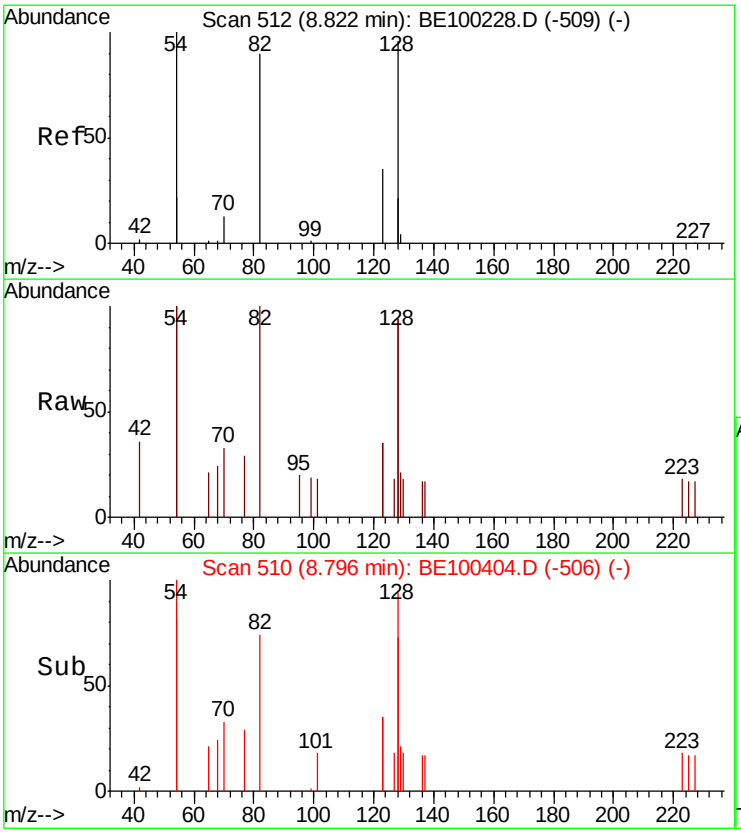
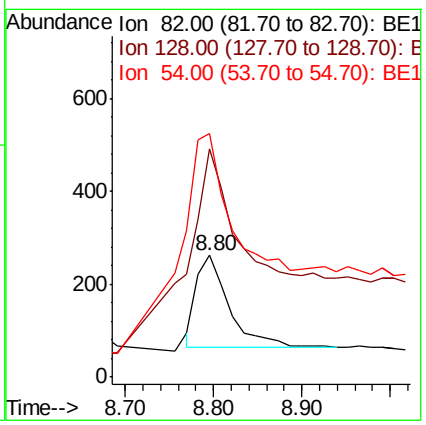
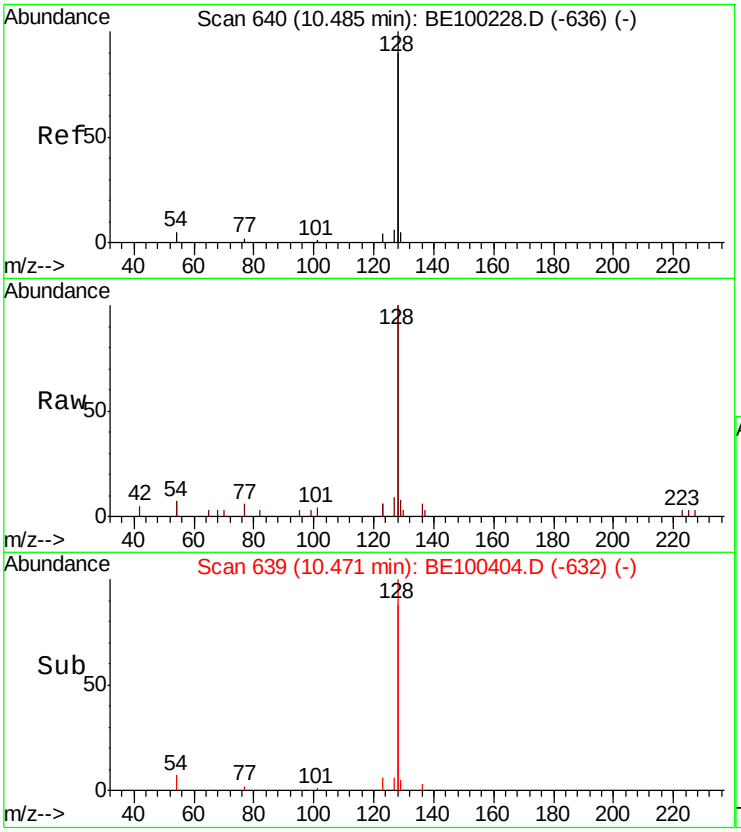


#8
Nitrobenzene-d5
Concen: 0.260 ng
RT: 8.80 min Scan# 510
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion: 82 Resp: 507

Ion	Ratio	Lower	Upper
82	100		
128	187.8	140.9	211.3
54	200.0	146.2	219.2

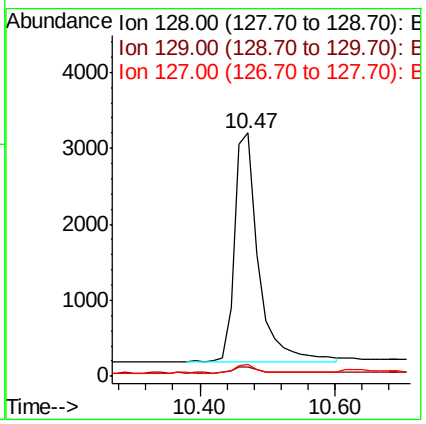




#9
Naphthalene
Concen: 0.344 ng
RT: 10.47 min Scan# 639
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:128 Resp: 7446

Ion	Ratio	Lower	Upper
128	100		
129	4.0	3.0	4.6
127	4.7	3.5	5.3



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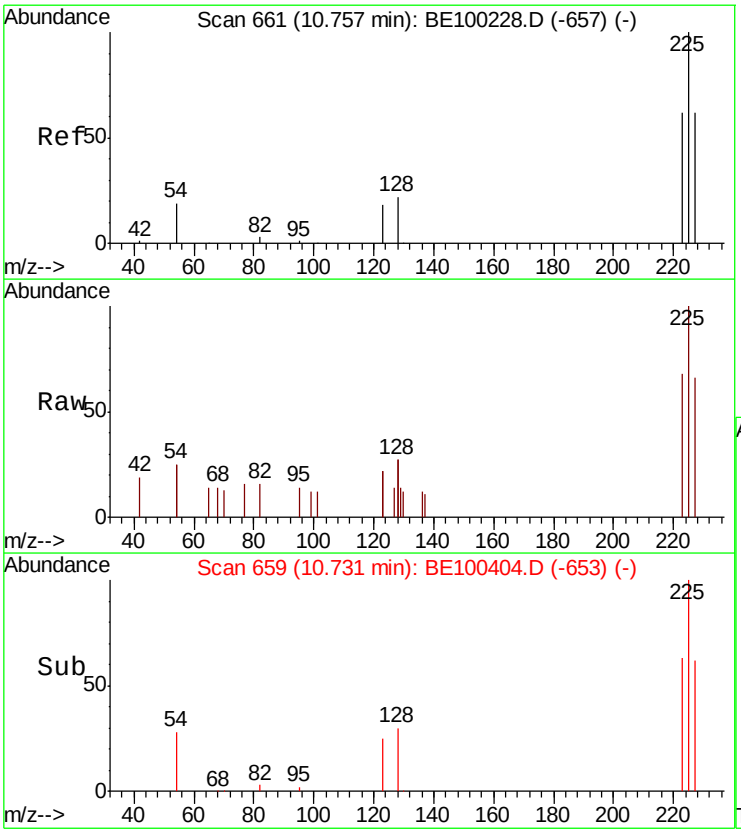
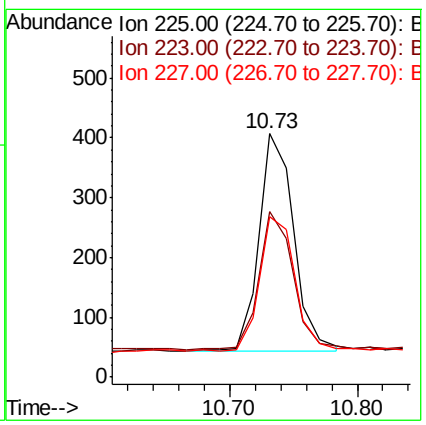
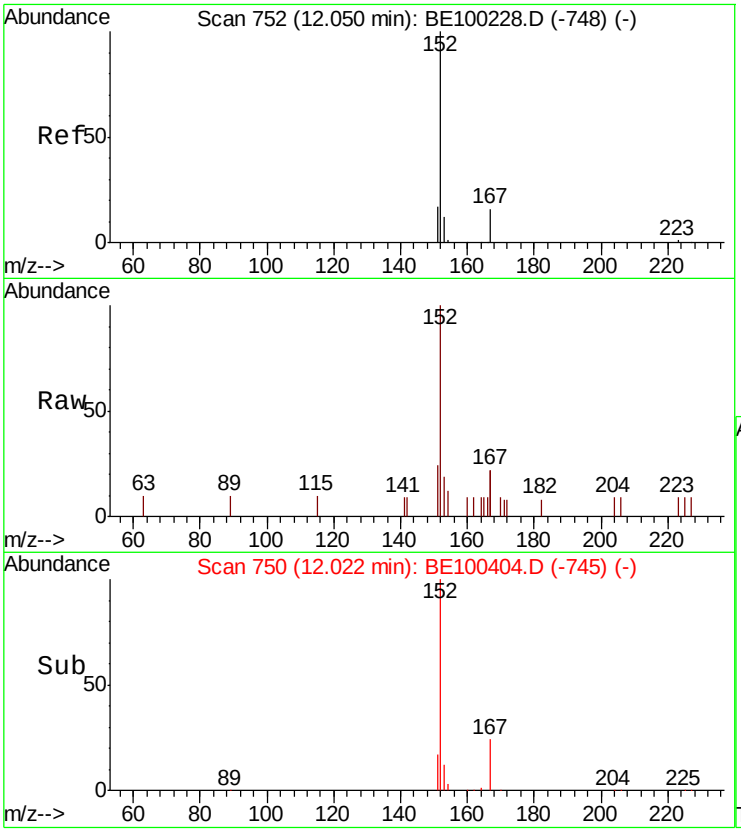


#10
Hexachlorobutadiene
Concen: 0.330 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:225 Resp: 689

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.1	73.7
227	62.7	49.3	73.9

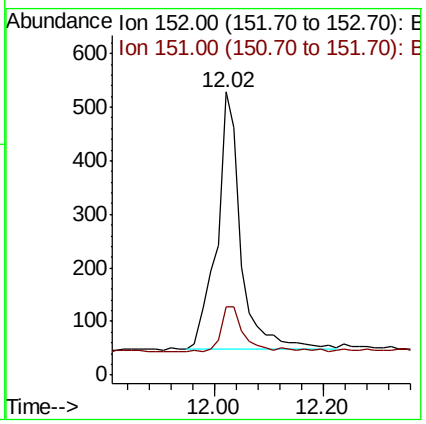




#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:152 Resp: 1465

Ion	Ratio	Lower	Upper
152	100		
151	16.7	15.1	22.7



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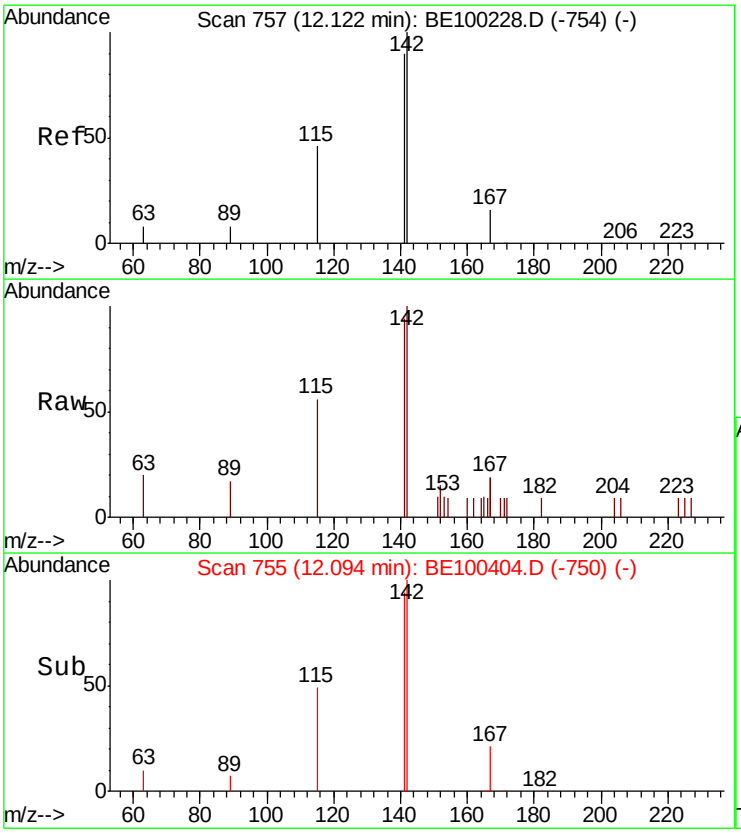
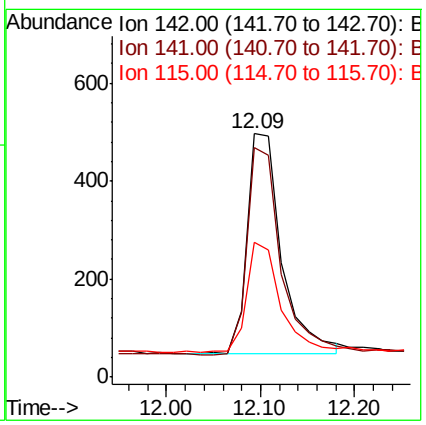
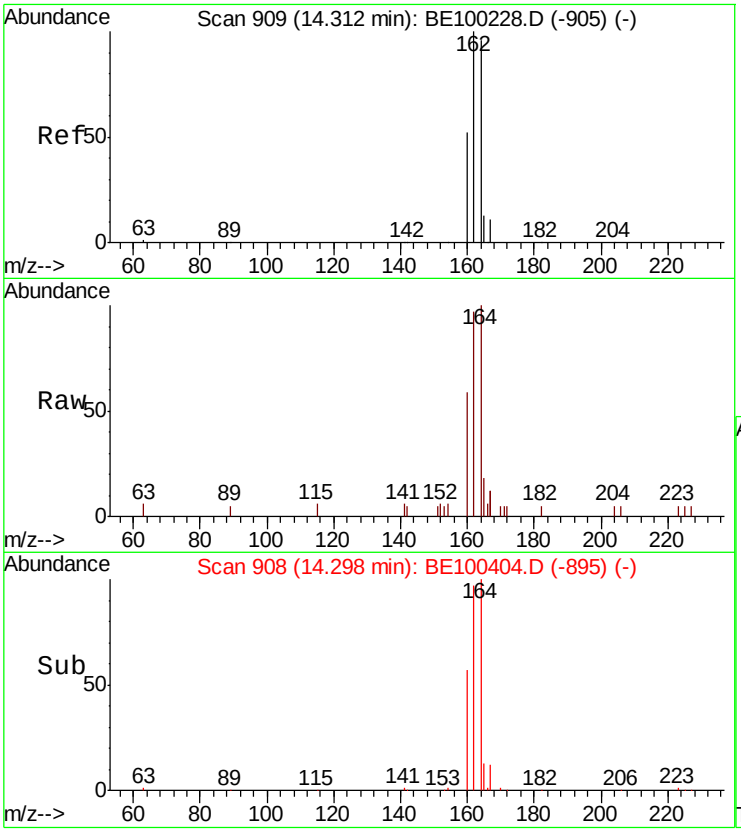


#12
2-Methylnaphthalene
Concen: 0.303 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:142 Resp: 1151

Ion	Ratio	Lower	Upper
142	100		
141	94.2	72.4	108.6
115	55.5	40.4	60.6

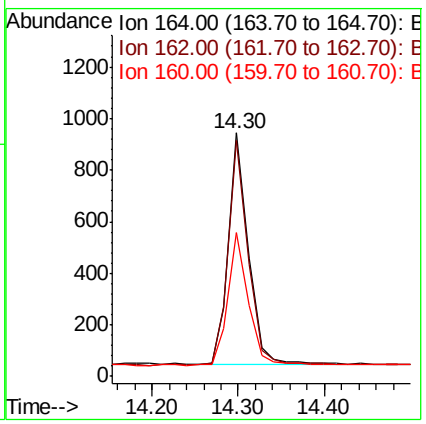




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:164 Resp: 1424

Ion	Ratio	Lower	Upper
164	100		
162	96.8	83.4	125.0
160	59.0	45.0	67.6



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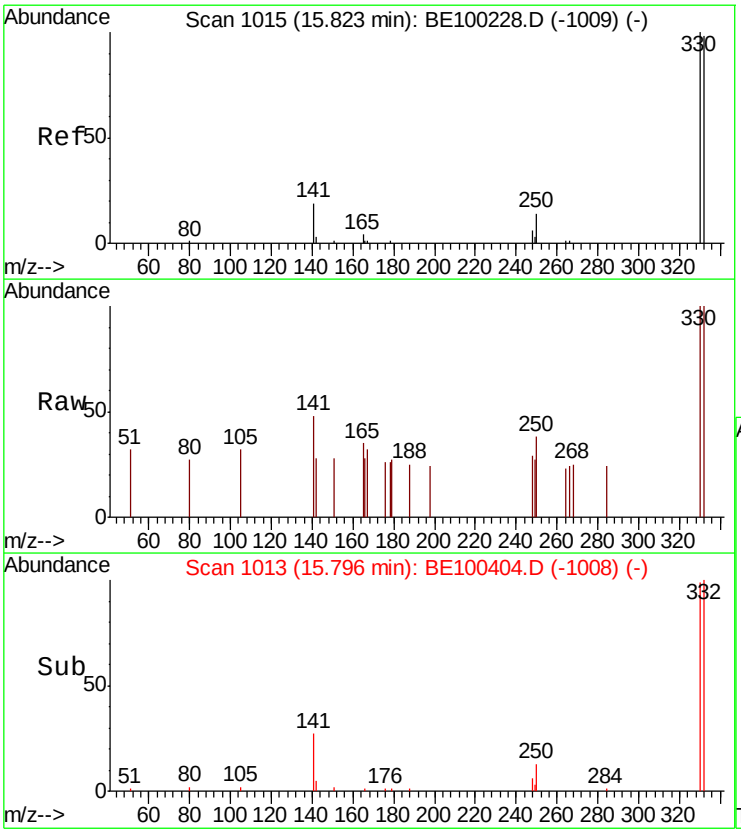
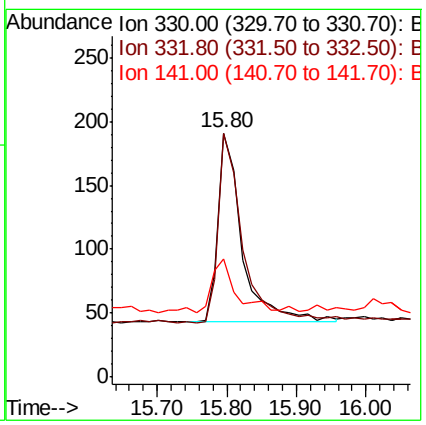
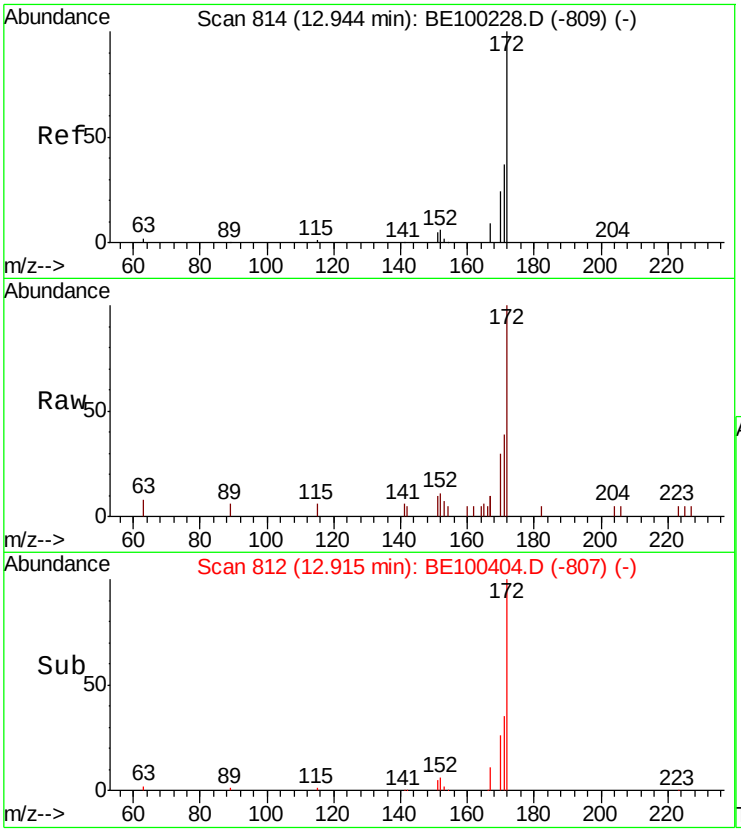


#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.80 min Scan# 1013
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:330 Resp: 353

Ion	Ratio	Lower	Upper
330	100		
332	109.3	77.0	115.4
141	28.3	22.0	33.0

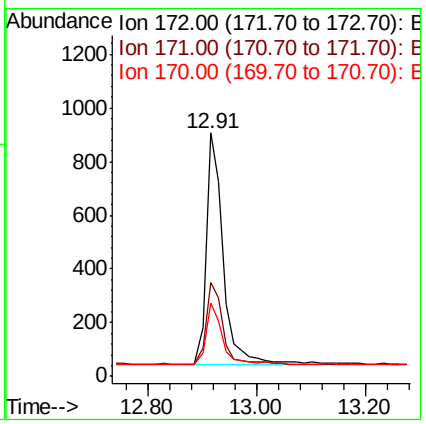




#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 12.91 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:172 Resp: 1884

Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.9	47.9
170	30.1	22.2	33.2



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ClientSampleId :
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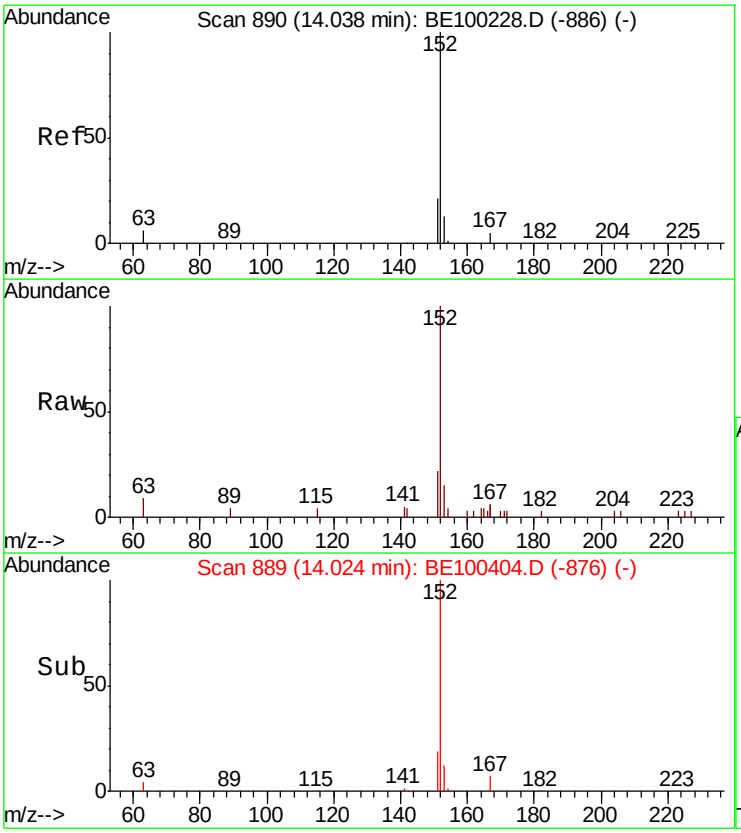
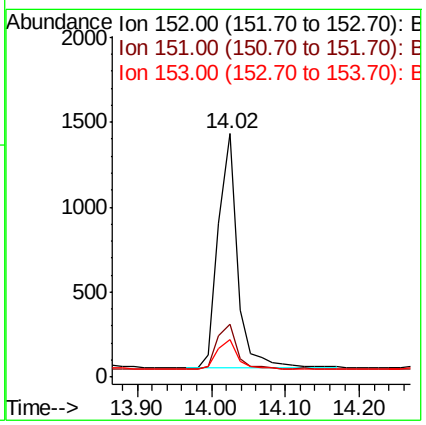
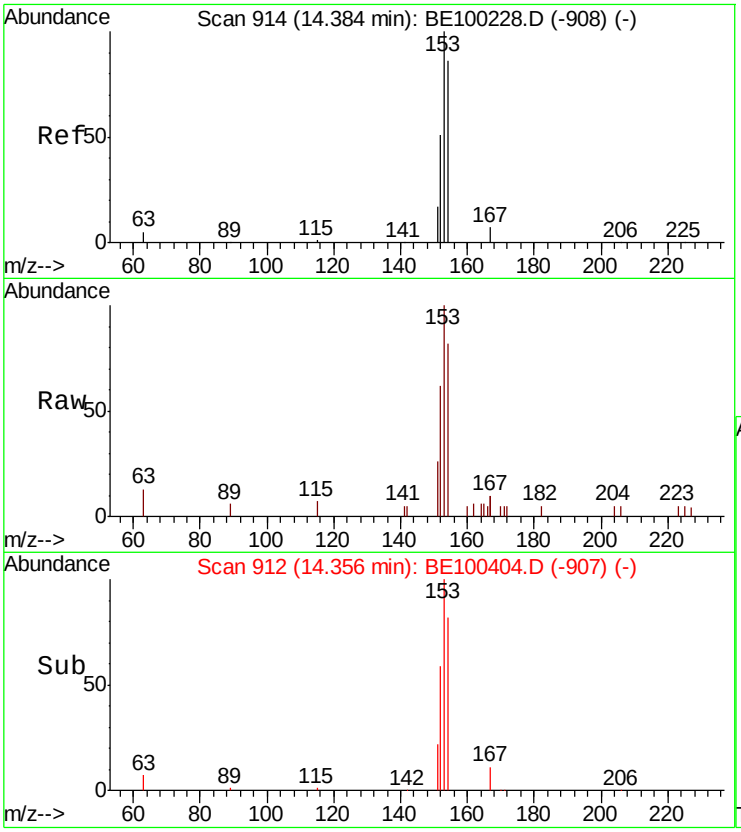


#16
Acenaphthylene
Concen: 0.365 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:152 Resp: 2492

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	13.9	10.5	15.7

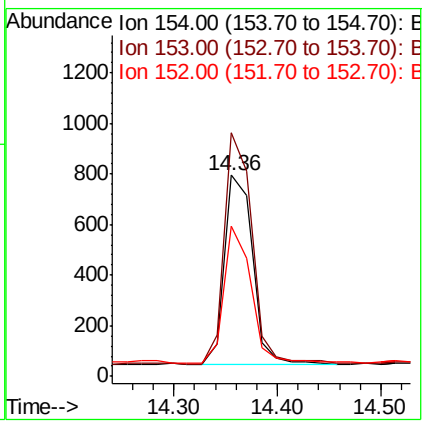




#17
Acenaphthene
Concen: 0.362 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:154 Resp: 1400

Ion	Ratio	Lower	Upper
154	100		
153	121.6	93.4	140.2
152	69.2	49.4	74.2



Instrument :
BNA_E
ClientSampleId :
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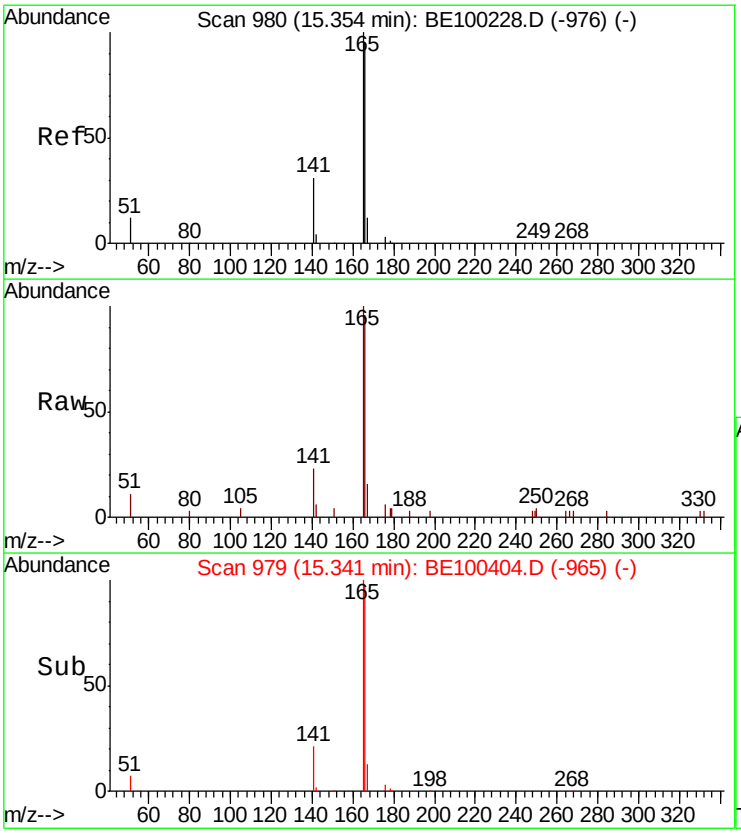
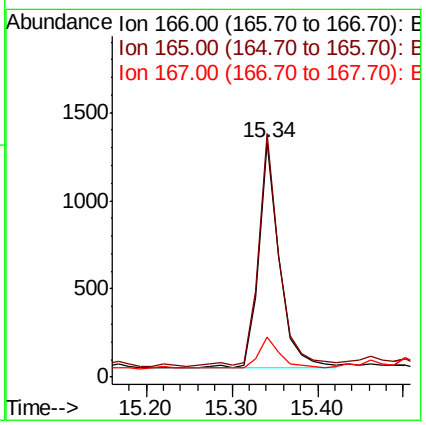
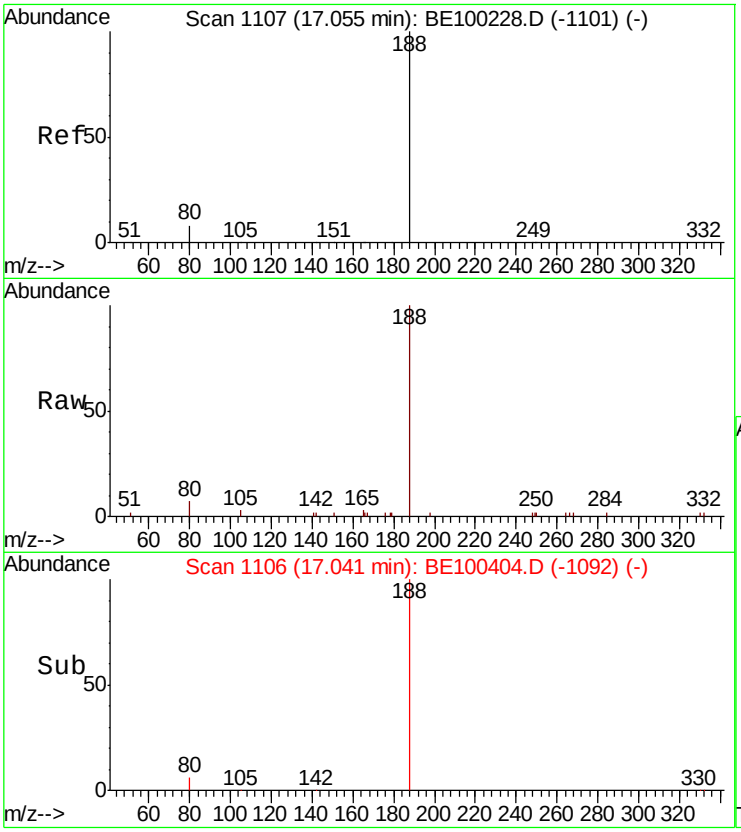


#18
Fluorene
Concen: 0.374 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:166 Resp: 2141

Ion	Ratio	Lower	Upper
166	100		
165	102.7	81.1	121.7
167	14.3	10.7	16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:188 Resp: 4523

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	7.6	11.4#

Instrument :
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ClientSampleId :
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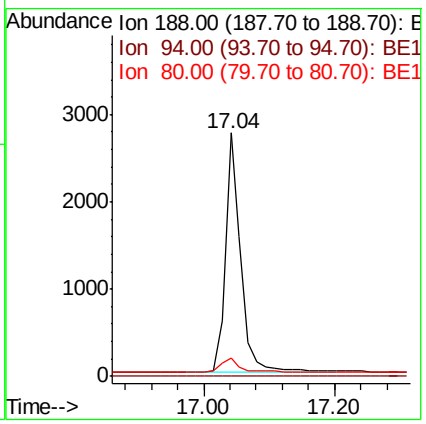
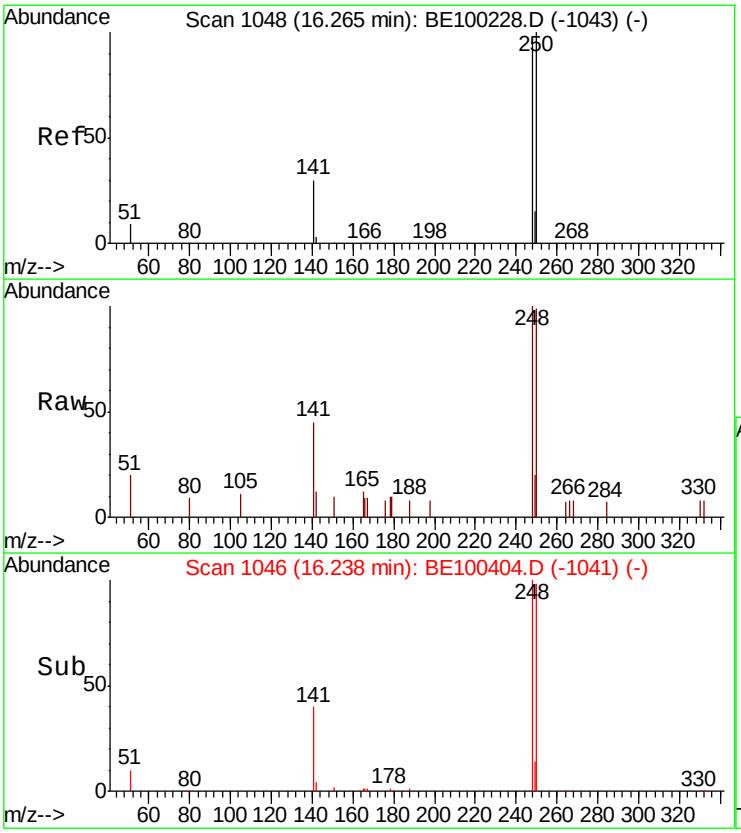
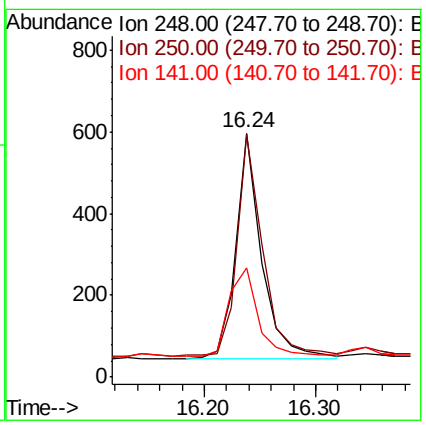


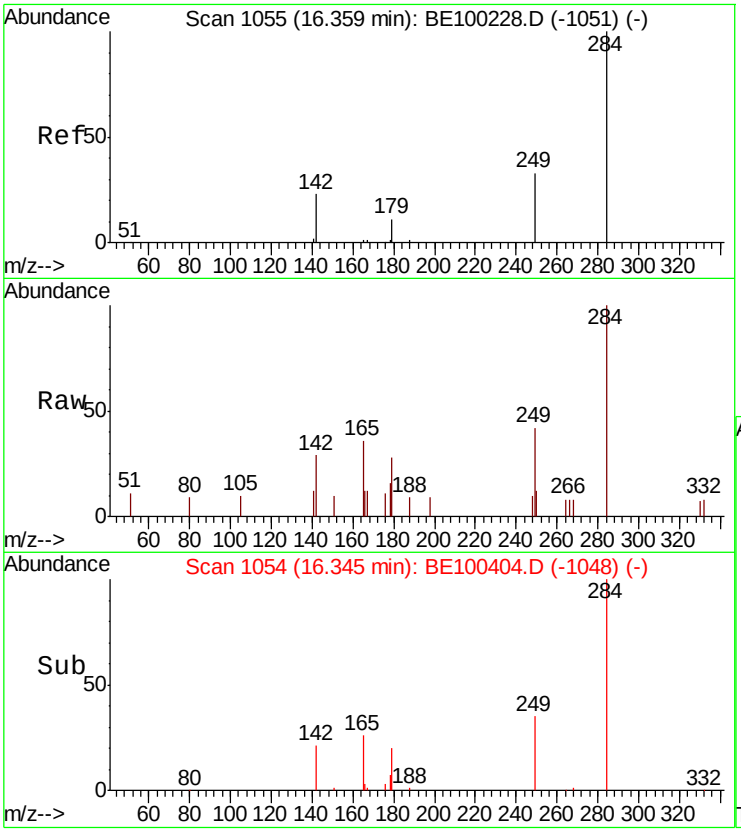


#20
4-Bromophenyl-phenylether
Concen: 0.306 ng
RT: 16.24 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:248 Resp: 882

Ion	Ratio	Lower	Upper
248	100		
250	99.3	84.2	126.4
141	45.0	29.3	43.9#

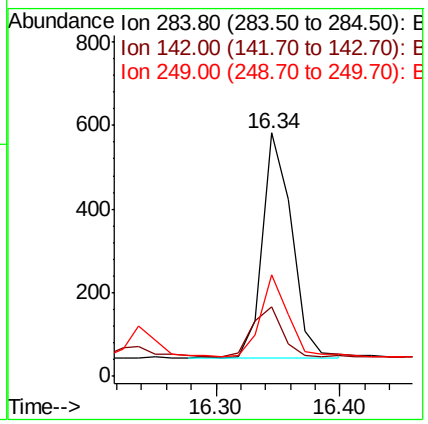




#21
Hexachlorobenzene
Concen: 0.292 ng
RT: 16.34 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:284 Resp: 874

Ion	Ratio	Lower	Upper
284	100		
142	22.9	18.8	28.2
249	34.3	23.7	35.5



Instrument :
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ClientSampleId :
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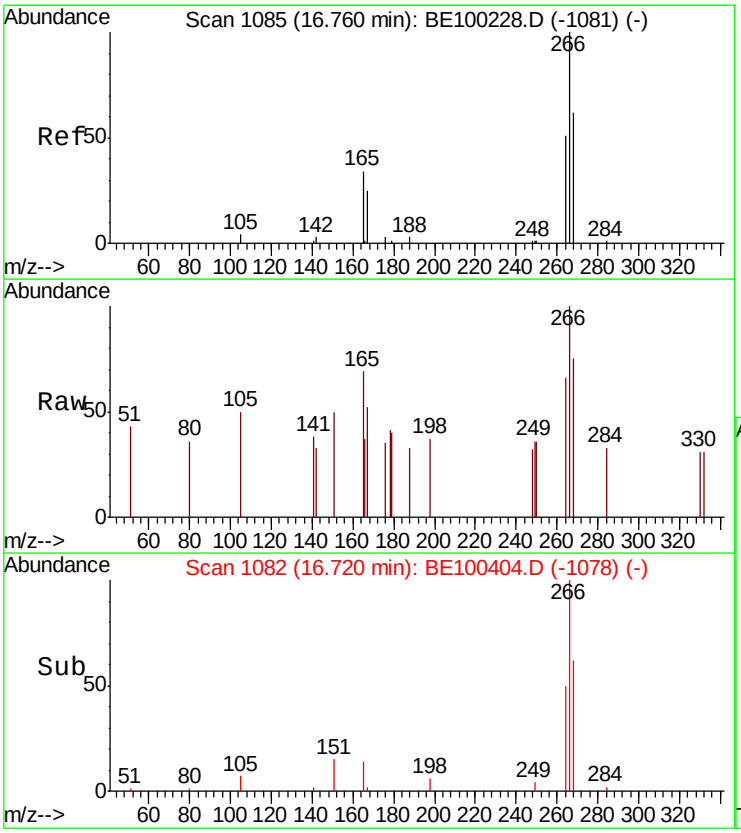
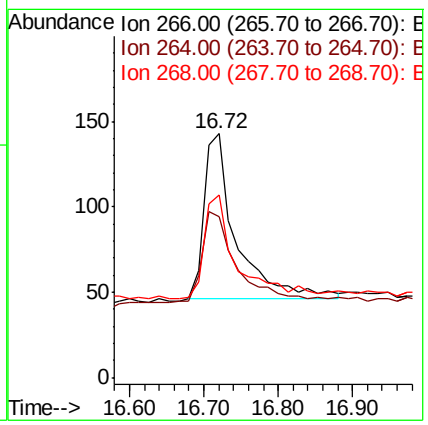
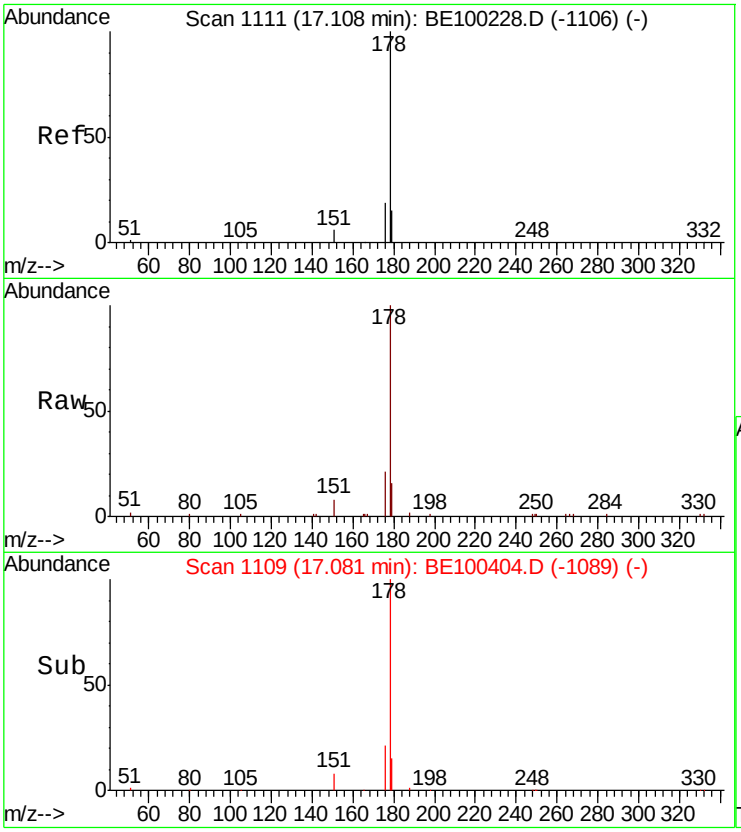


#22
Pentachlorophenol
Concen: 0.325 ng
RT: 16.72 min Scan# 1082
Delta R.T. -0.04 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:266 Resp: 293

Ion	Ratio	Lower	Upper
266	100		
264	65.7	56.2	84.2
268	74.8	61.8	92.6





#23
Phenanthrene
Concen: 1.393 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:178 Resp: 15276

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.9	12.2	18.2

Instrument :
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ClientSampleId :
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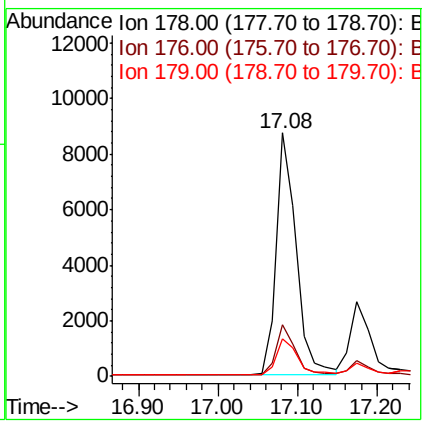
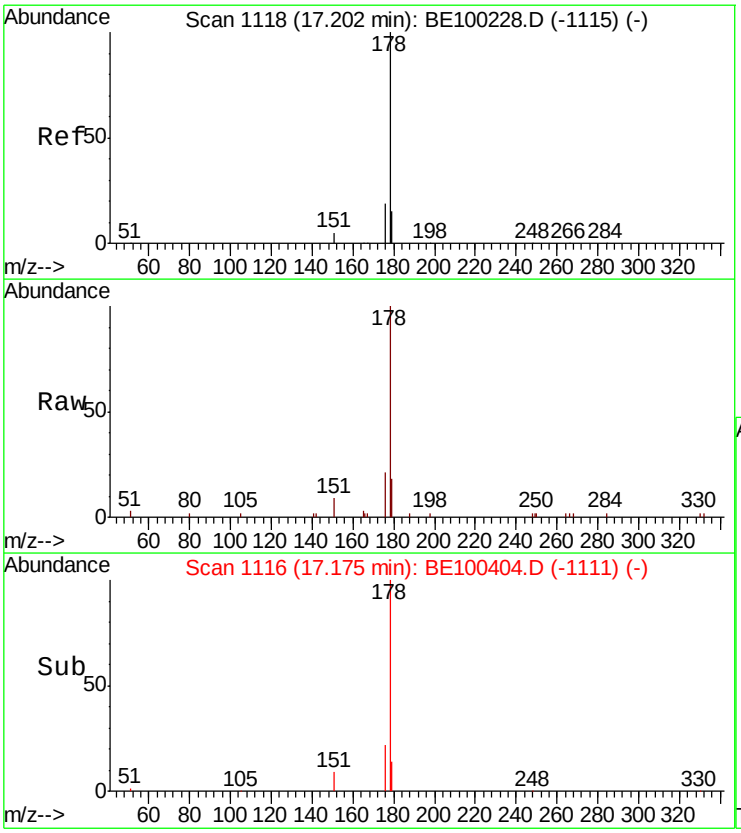
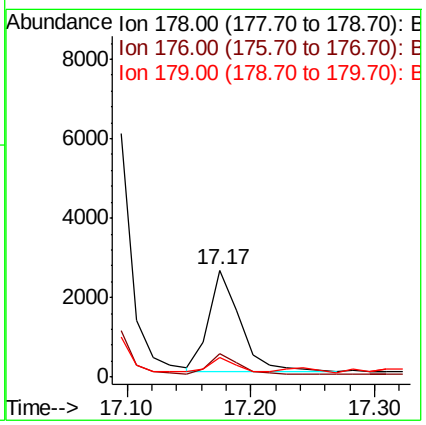


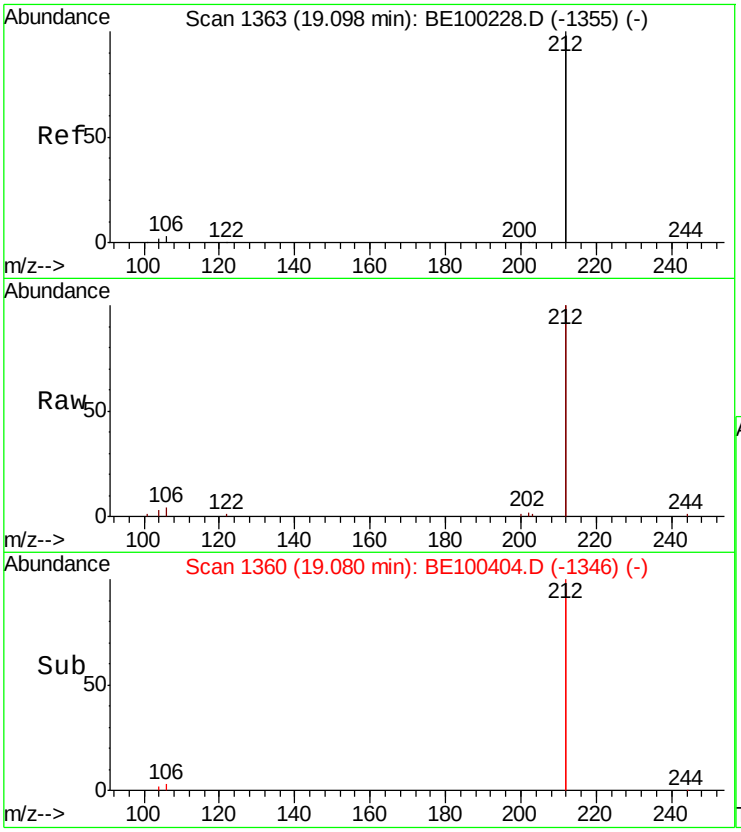


#24
Anthracene
Concen: 0.456 ng
RT: 17.17 min Scan# 1116
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:178 Resp: 4497

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	11.5	12.2	18.2#

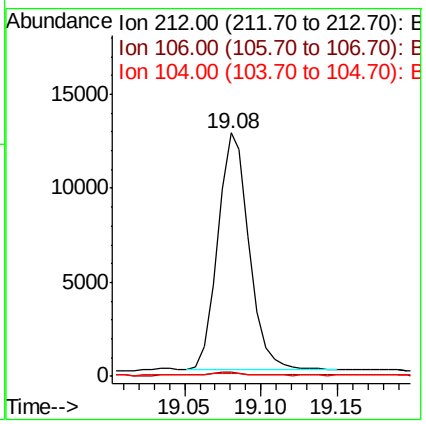




#25
Fluoranthene-d10
Concen: 0.275 ng
RT: 19.08 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:212 Resp: 18071

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2



Instrument :
BNA_E
ClientSampleId :
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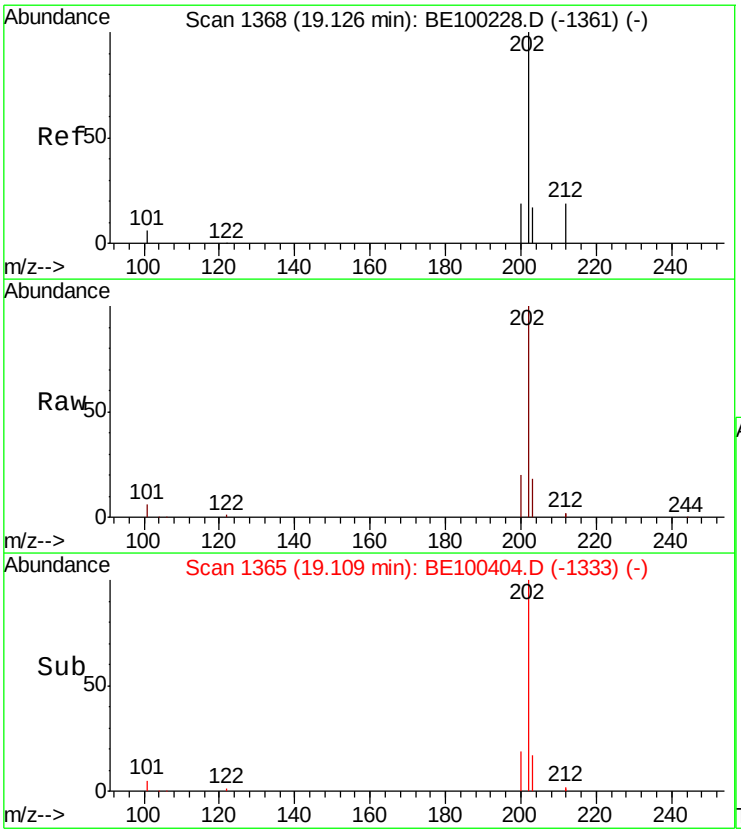
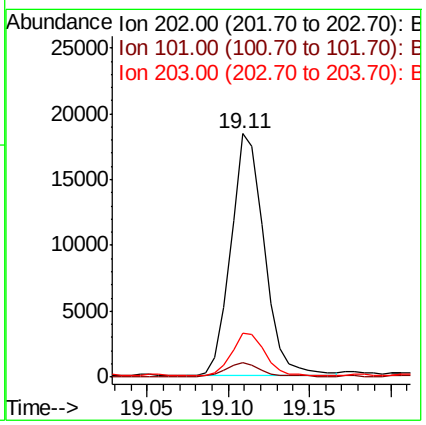
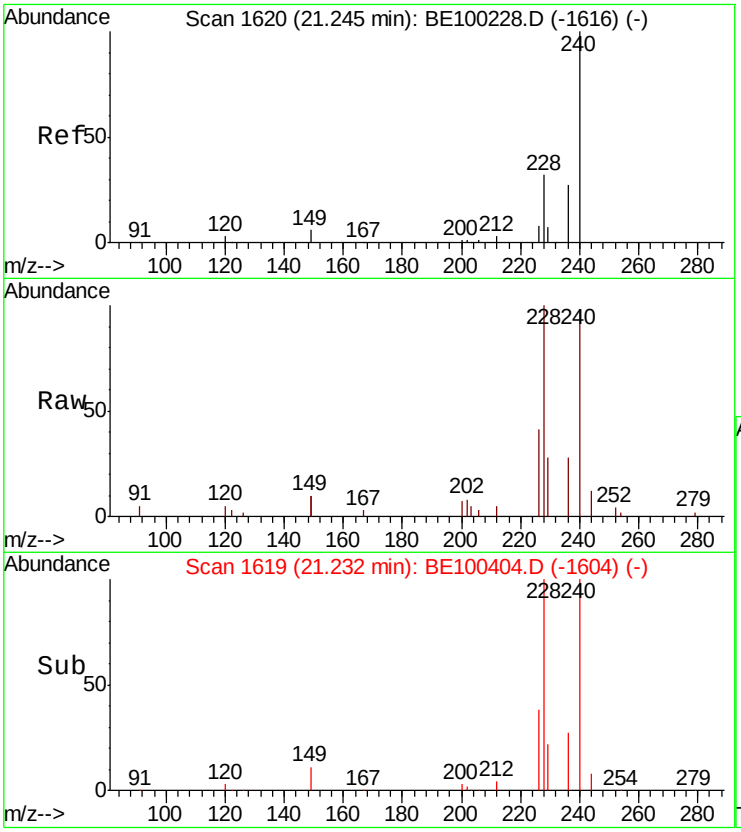


#26
Fluoranthene
Concen: 1.503 ng
RT: 19.11 min Scan# 1365
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:202 Resp: 26246

Ion	Ratio	Lower	Upper
202	100		
101	5.2	4.6	7.0
203	17.5	13.7	20.5

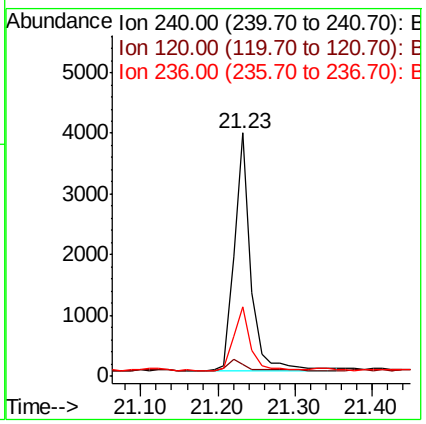




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:240 Resp: 5834

Ion	Ratio	Lower	Upper
240	100		
120	4.7	3.3	4.9
236	28.7	22.6	34.0



Instrument :
BNA_E
ClientSampleId :
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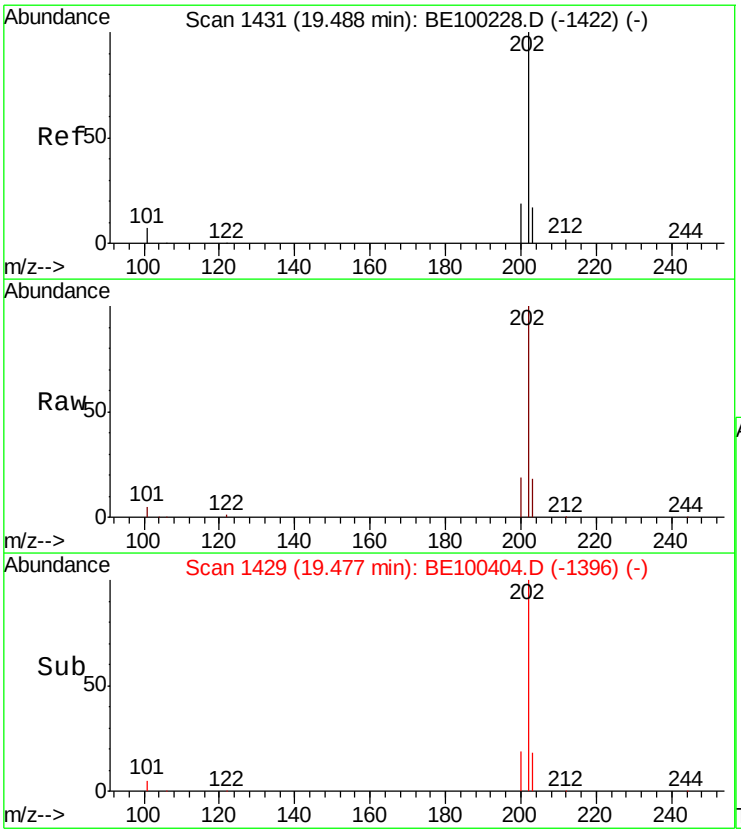
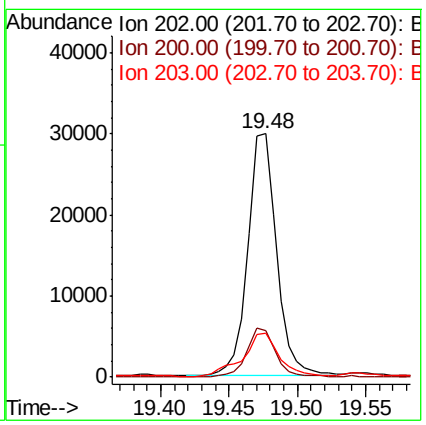
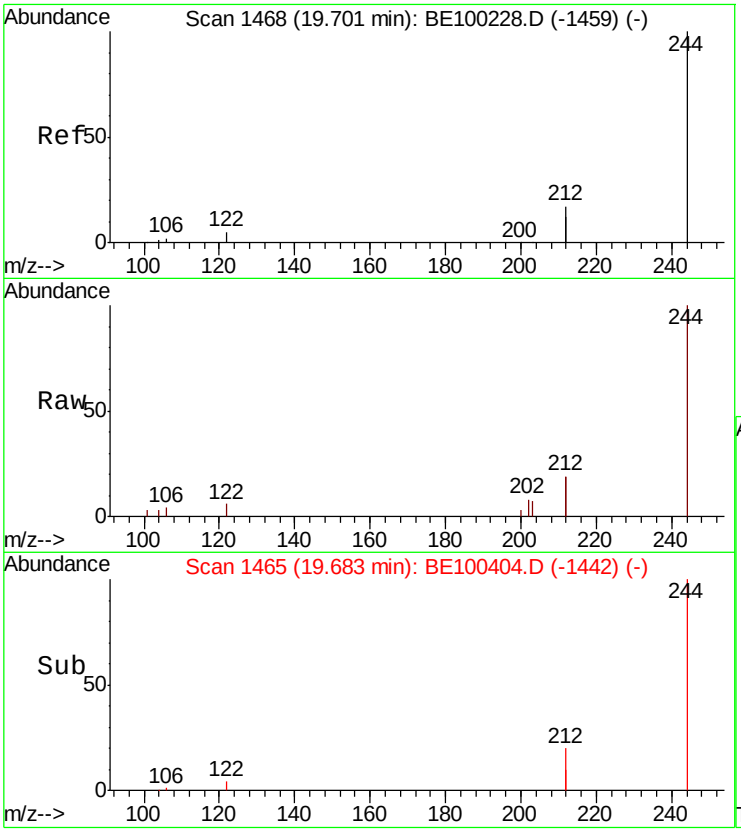


#28
Pyrene
Concen: 2.811 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:202 Resp: 43422

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	22.2	14.0	21.0#





#29
Terphenyl-d14
Concen: 0.345 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:244 Resp: 4167

Ion	Ratio	Lower	Upper
244	100		
212	38.3	27.3	40.9
122	6.2	4.7	7.1

Instrument :
BNA_E
ClientSampleId :
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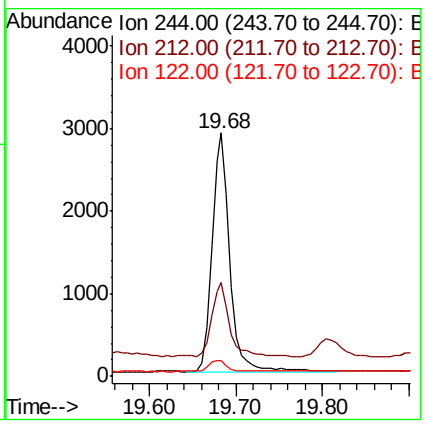
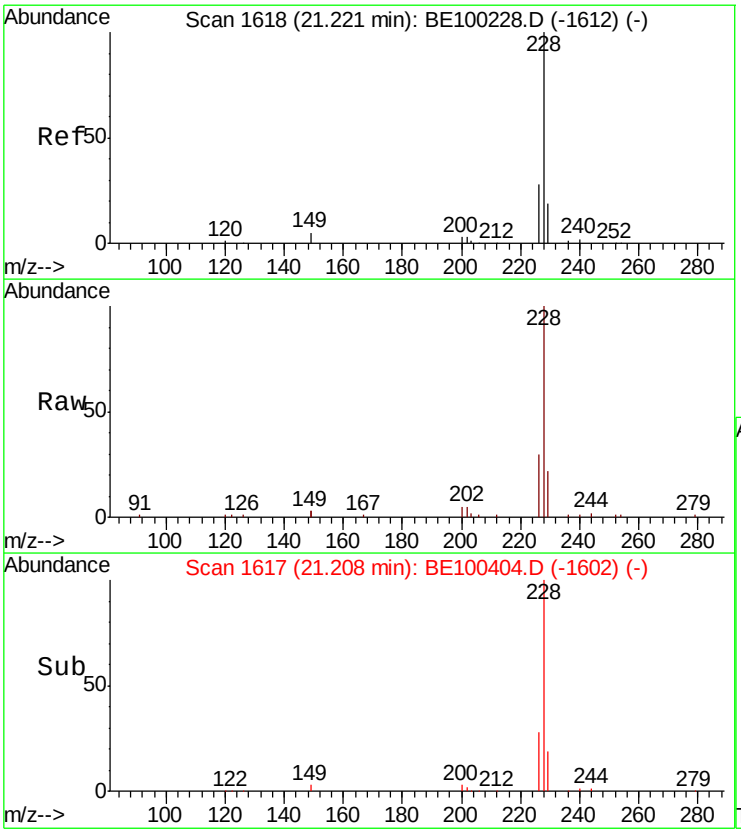
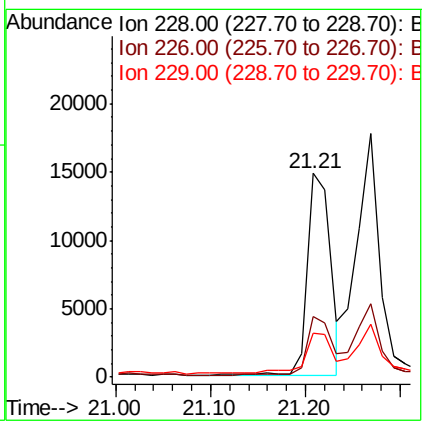


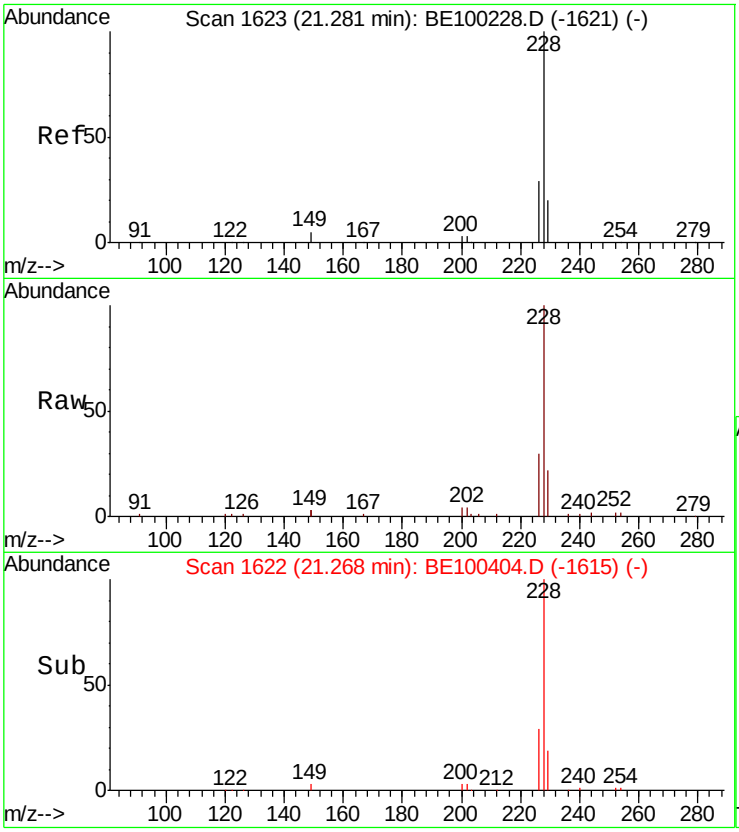


#30
Benzo(a)anthracene
Concen: 1.304 ng
RT: 21.21 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:228 Resp: 25016

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	21.5	15.7	23.5





#31
Chrysene
Concen: 1.489 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:228 Resp: 28673

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	21.5	16.5	24.7

Instrument :
BNA_E
ClientSampleId :
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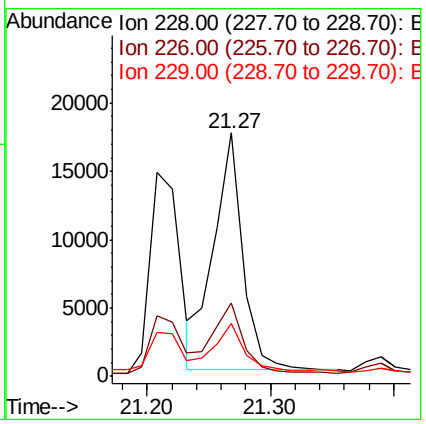
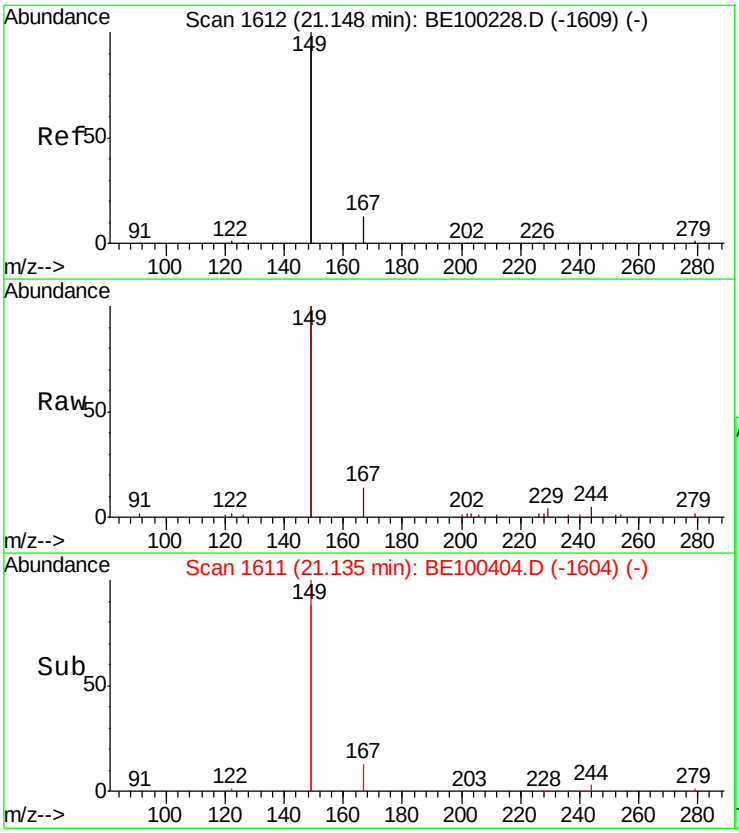
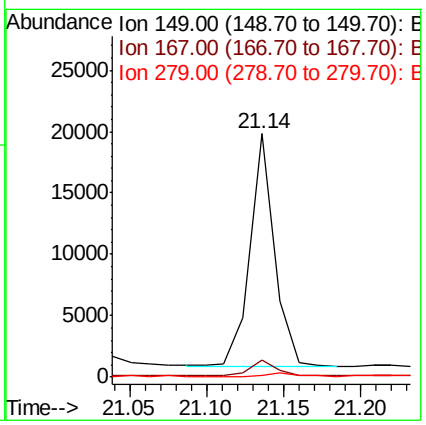


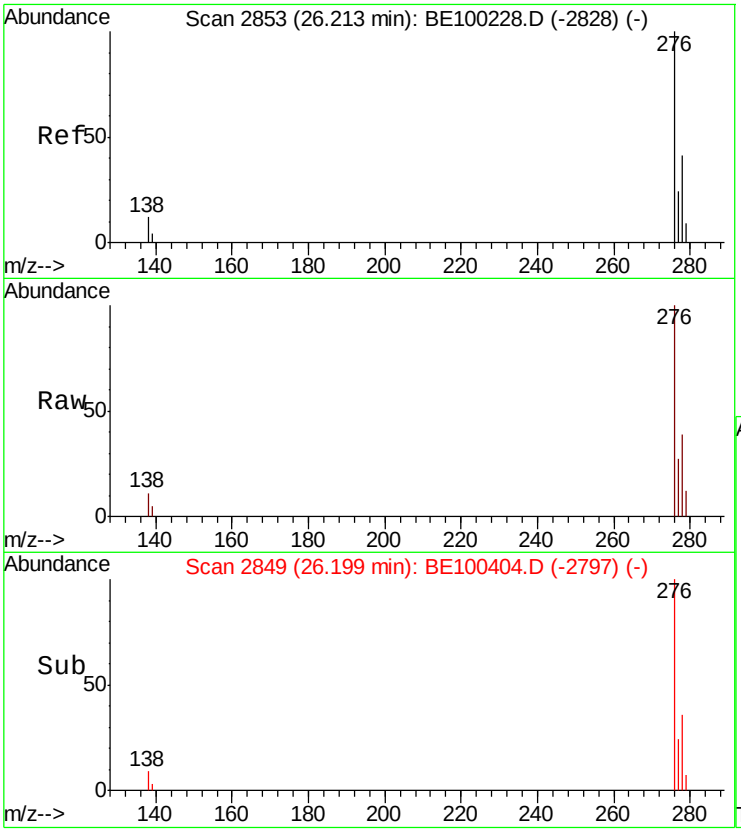


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.718 ng
RT: 21.14 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:149 Resp: 21038

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.8	8.8
279	1.4	1.1	1.7

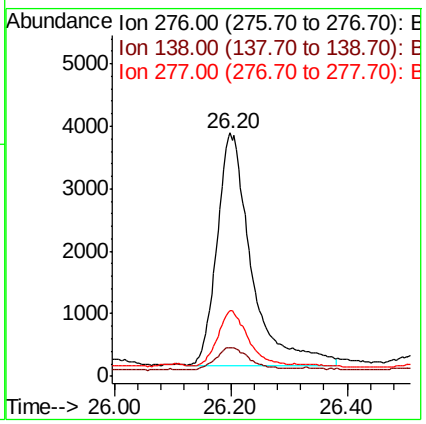




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.598 ng
RT: 26.20 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:276 Resp: 15236

Ion	Ratio	Lower	Upper
276	100		
138	9.4	9.4	14.0
277	21.3	19.2	28.8



Instrument :
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ClientSampleId :
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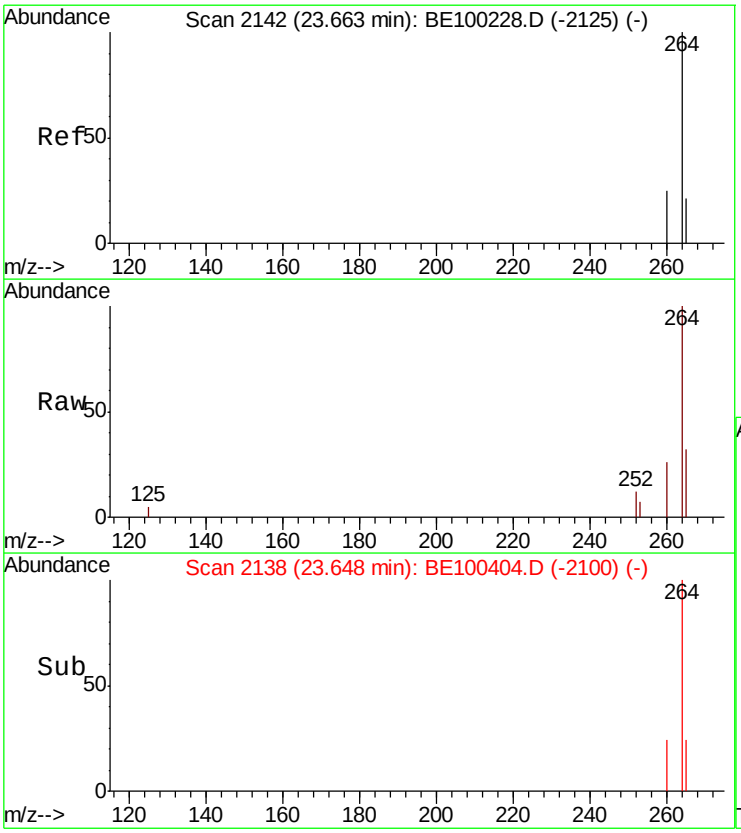
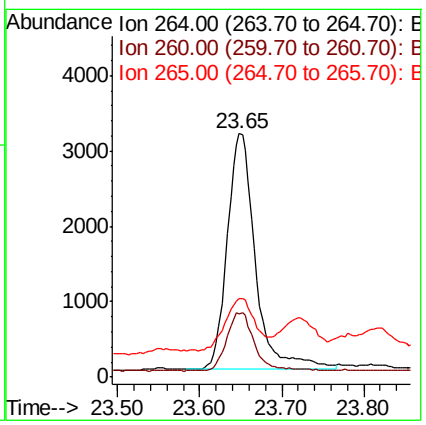
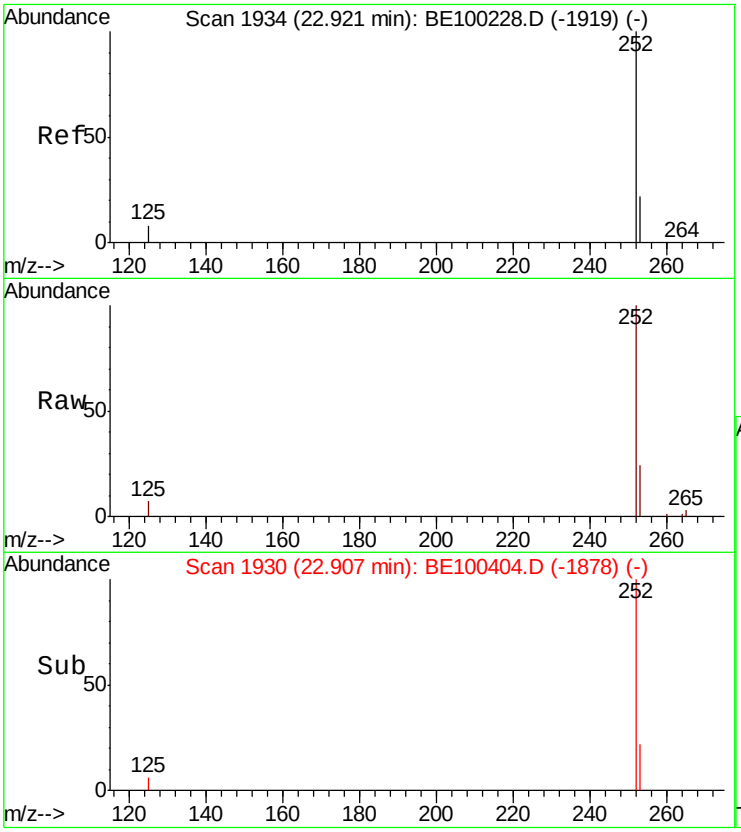


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:264 Resp: 7478

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.8	31.2
265	32.3	21.8	32.6





#35
Benzo(b)fluoranthene
Concen: 1.120 ng
RT: 22.91 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:252 Resp: 22706

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.2	28.8
125	7.2	7.4	11.0#

Instrument :
BNA_E
ClientSampleId :
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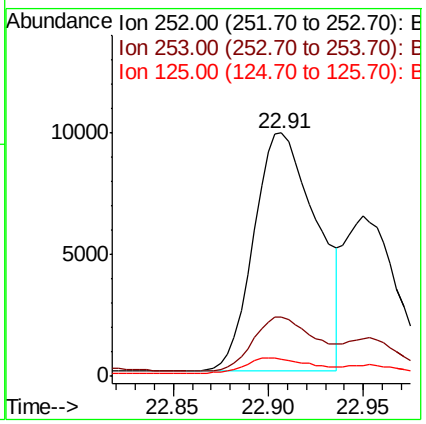
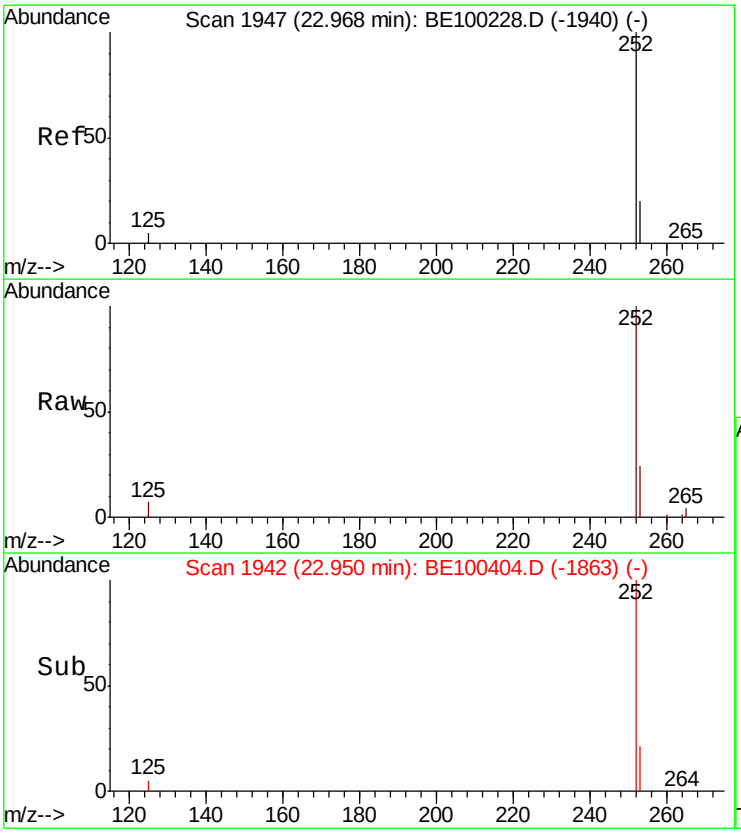
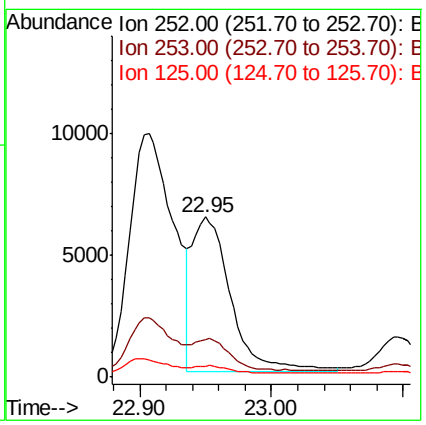


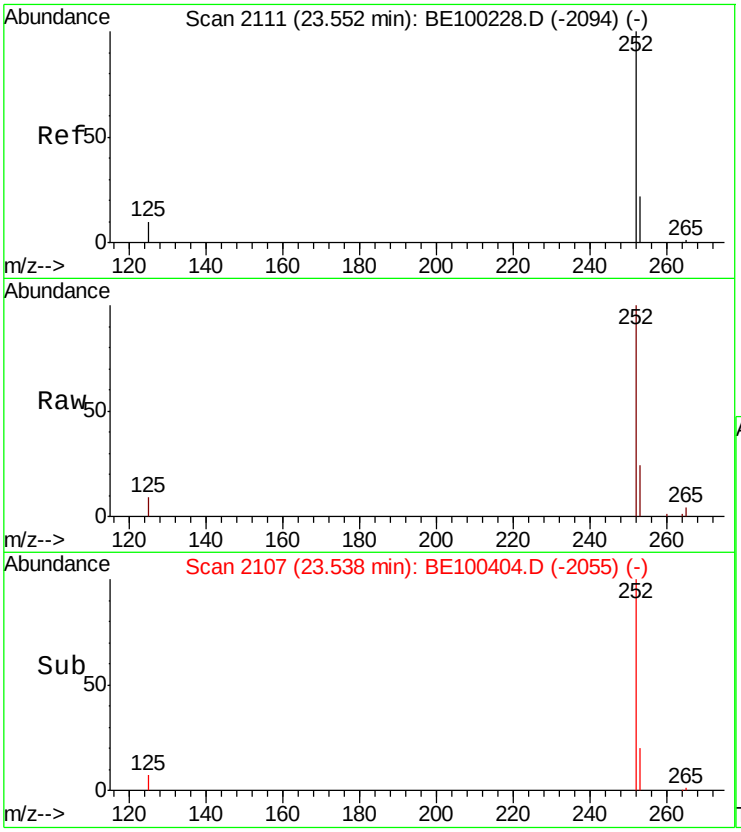


#36
Benzo(k)fluoranthene
Concen: 0.580 ng m
RT: 22.95 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:252 Resp: 13126

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	7.0	5.0	7.4





#37
Benzo(a)pyrene
Concen: 1.038 ng
RT: 23.54 min Scan# 2107
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:252 Resp: 21088

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.6	29.4
125	8.5	9.0	13.6#

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

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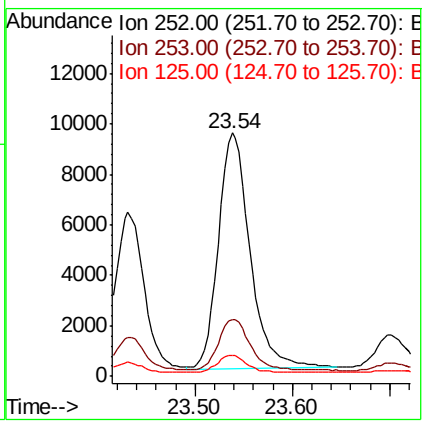
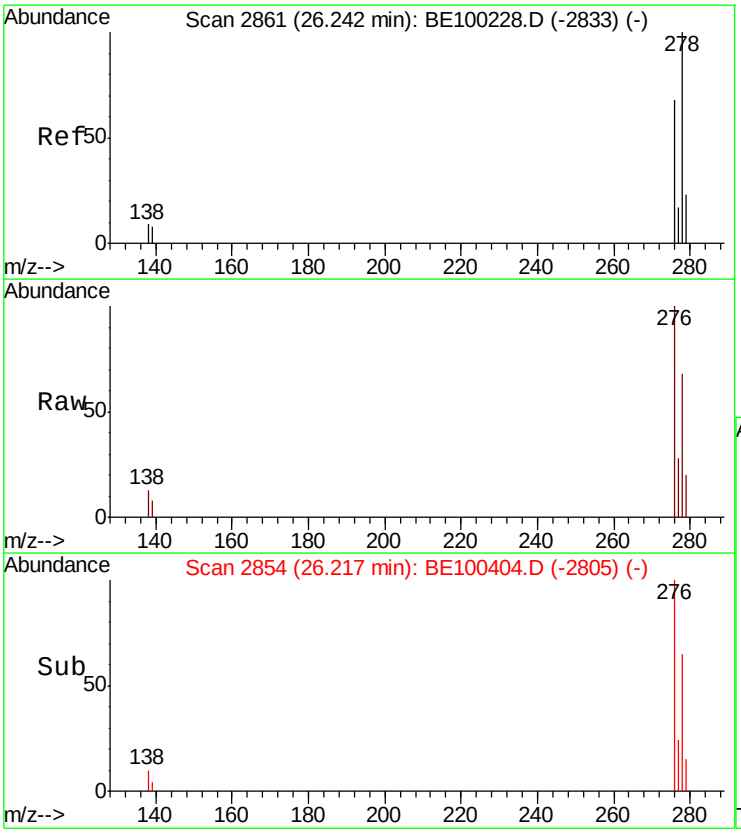
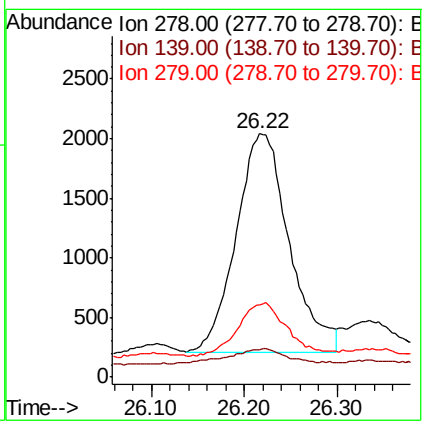


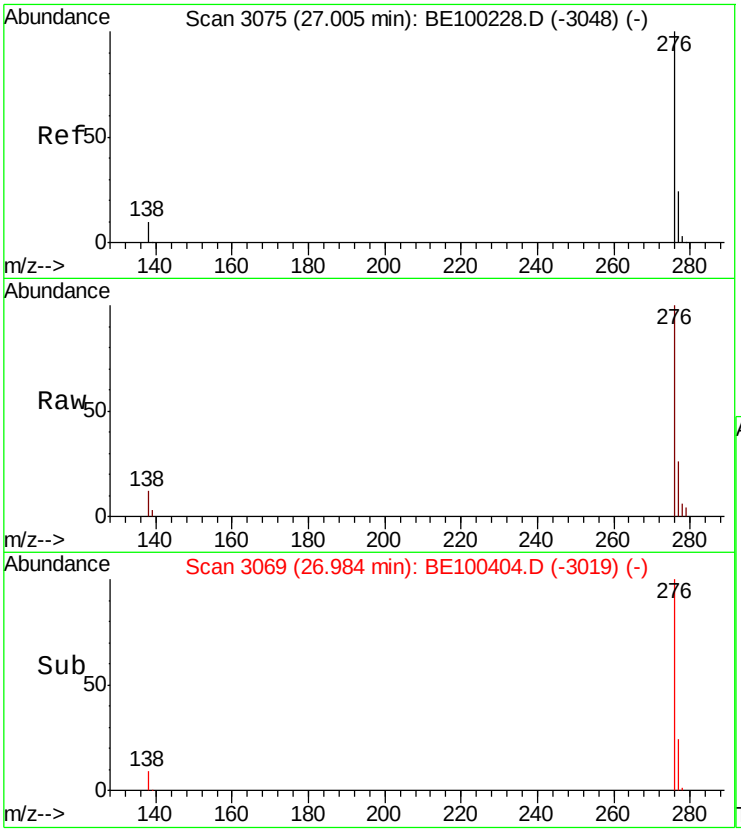


#38
Dibenzo(a,h)anthracene
Concen: 0.344 ng
RT: 26.22 min Scan# 2854
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:278 Resp: 7293

Ion	Ratio	Lower	Upper
278	100		
139	11.4	8.2	12.2
279	29.5	20.3	30.5

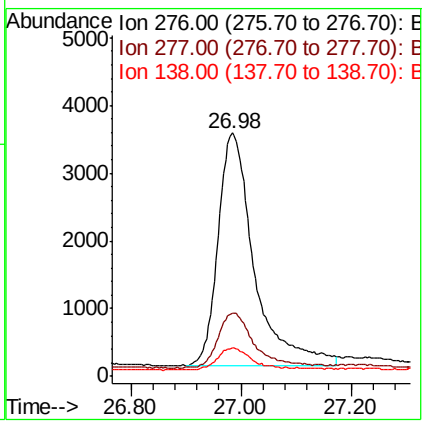




#39
Benzo(g,h,i)perylene
Concen: 0.719 ng
RT: 26.98 min Scan# 3069
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:276 Resp: 15675

Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.2	30.2
138	11.7	9.0	13.6



Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

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