Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
Data File : BE100919.D
Acq On : 16 Dec 2019 14:28
Operator : JU
Sample : K6251-15MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MW202D-20191207MSD

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Quant Time: Dec 16 16:56:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4278	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	18575	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	10295	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	26963	0.40	ng	0.00
27) Chrysene-d12	21.31	240	28253	0.40	ng	0.00
34) Perylene-d12	23.74	264	33141	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	1977	0.19	ng	-0.01
5) Phenol-d6	6.93	99	2031	0.13	ng	0.00
8) Nitrobenzene-d5	8.90	82	4915	0.56	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	9989m	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	880	0.77	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	13665	0.33	ng	0.00
25) Fluoranthene-d10	19.15	212	134323	0.42	ng	0.00
29) Terphenyl-d14	19.75	244	25577	0.38	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	5614	0.720	ng	# 72
3) n-Nitrosodimethylamine	3.64	42	1089	0.172	ng	# 94
6) bis(2-Chloroethyl)ether	7.18	93	5571	0.376	ng	96
9) Naphthalene	10.57	128	75356	0.382	ng	100
10) Hexachlorobutadiene	10.89	225	2587	0.336	ng	99
12) 2-Methylnaphthalene	12.21	142	11599	0.376	ng	99
16) Acenaphthylene	14.11	152	16841	0.395	ng	100
17) Acenaphthene	14.46	154	10963	0.373	ng	99
18) Fluorene	15.42	166	14744	0.390	ng	99
20) 4-Bromophenyl-phenylether	16.32	248	4481	0.339	ng	99
21) Hexachlorobenzene	16.44	284	4391	0.306	ng	100
22) Pentachlorophenol	16.77	266	1916	1.927	ng	99
23) Phenanthrene	17.16	178	29036	0.356	ng	99
24) Anthracene	17.25	178	25331	0.371	ng	100
26) Fluoranthene	19.18	202	37549	0.385	ng	99
28) Pyrene	19.54	202	39938	0.435	ng	99
30) Benzo(a)anthracene	21.28	228	35813	0.430	ng	98
31) Chrysene	21.33	228	37001	0.378	ng	100
32) Bis(2-ethylhexyl)phthalate	21.23	149	173896	2.096	ng	99
33) Indeno(1,2,3-cd)pyrene	26.31	276	32085	0.376	ng	99
35) Benzo(b)fluoranthene	23.00	252	31740	0.350	ng	97
36) Benzo(k)fluoranthene	23.05	252	39203m	0.385	ng	
37) Benzo(a)pyrene	23.63	252	29927	0.381	ng	99
38) Dibenzo(a,h)anthracene	26.34	278	26805	0.343	ng	98
39) Benzo(g,h,i)perylene	27.10	276	28141	0.337	ng	100

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

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Acq On : 16 Dec 2019 14:28
Operator : JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 16 16:56:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
MW202D-20191207MSD

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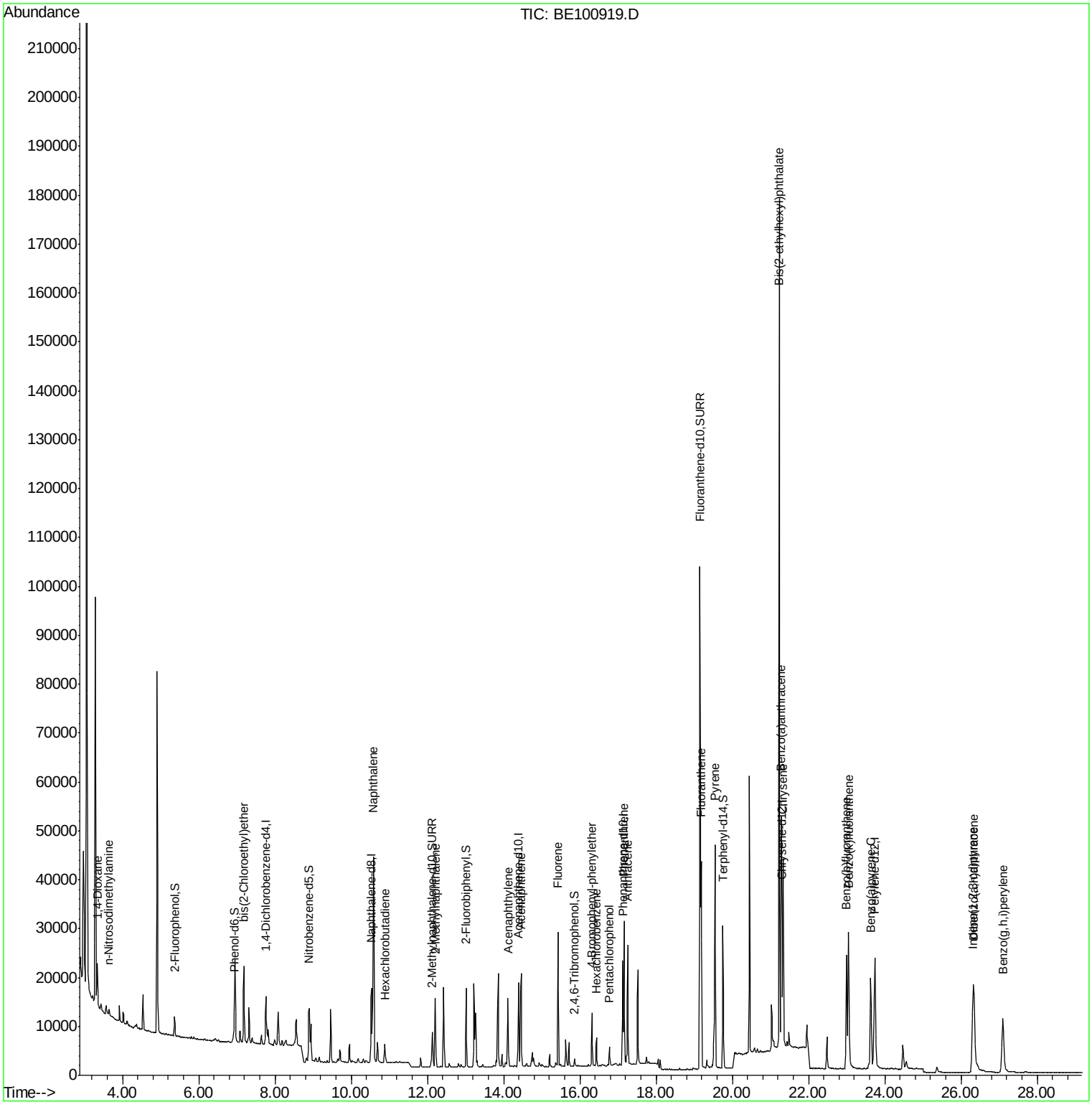
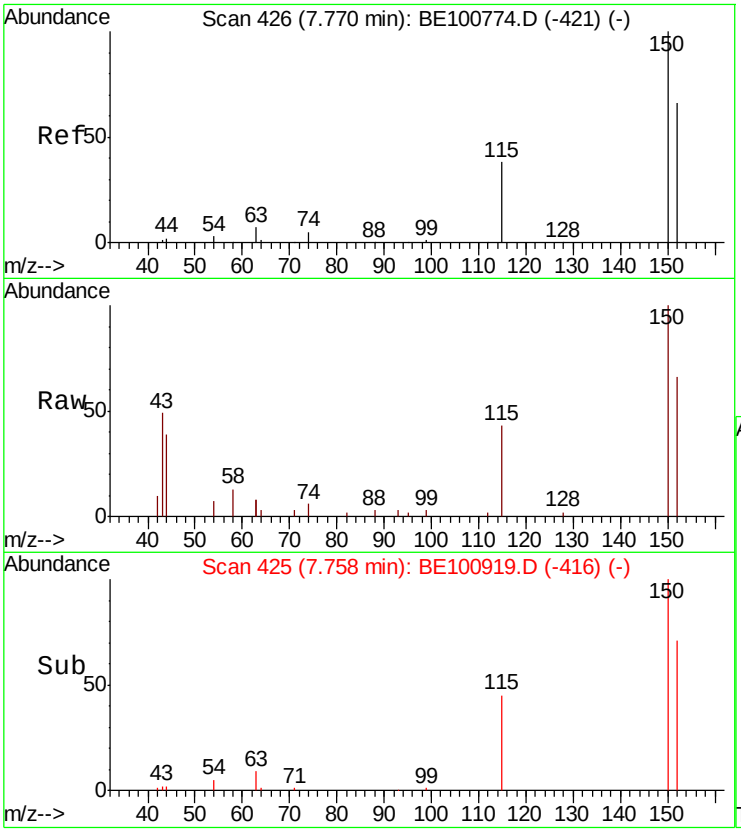
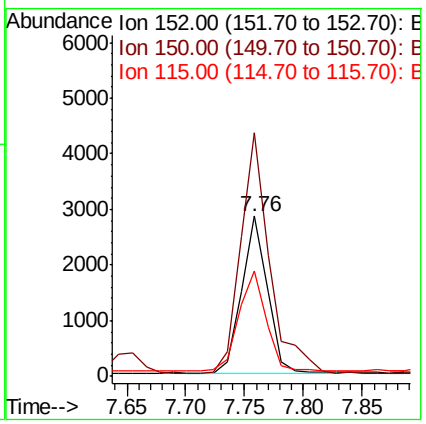




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:152 Resp: 4278

Ion	Ratio	Lower	Upper
152	100		
150	152.1	125.5	188.3
115	65.6	55.7	83.5



Instrument :
BNA_E
ClientSampleId :
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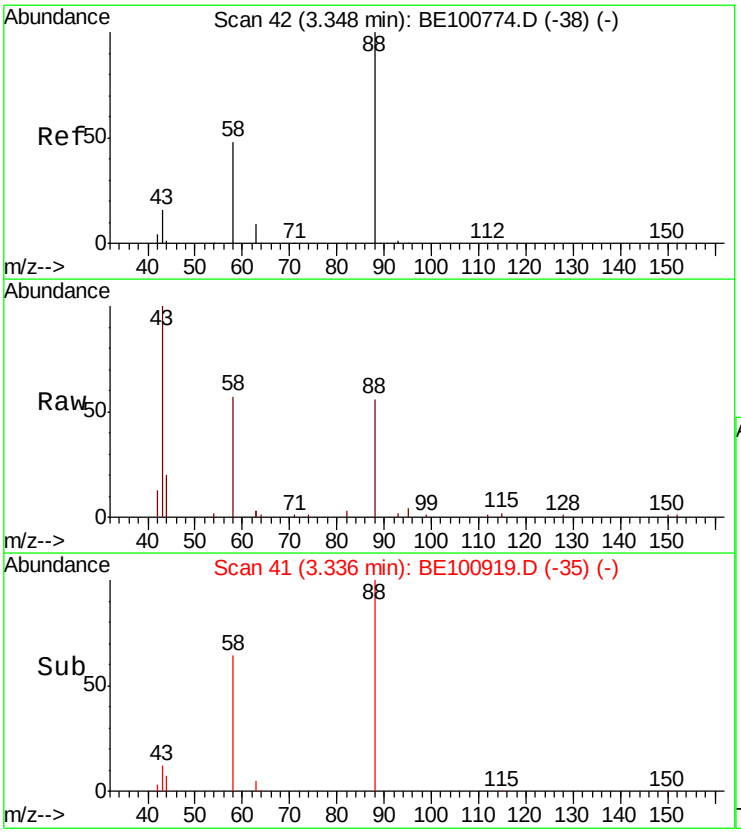
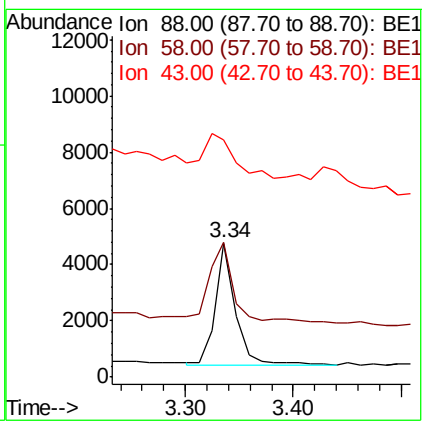
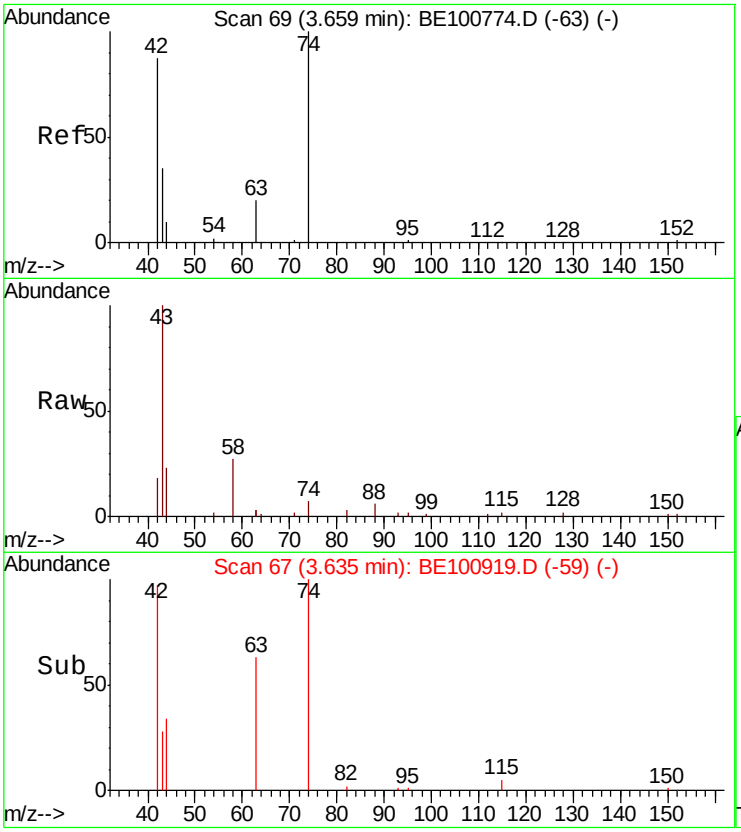


#2
1,4-Dioxane
Concen: 0.720 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion: 88 Resp: 5614

Ion	Ratio	Lower	Upper
88	100		
58	82.2	52.3	78.5#
43	53.2	23.5	35.3#

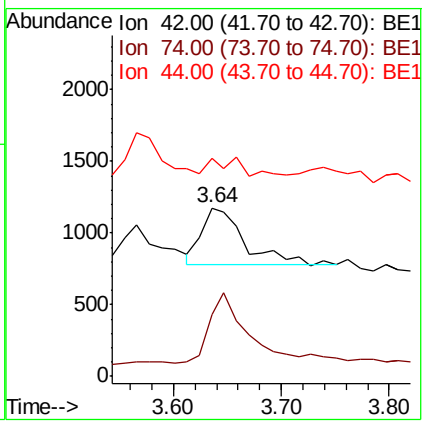




#3
n-Nitrosodimethylamine
Concen: 0.172 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion: 42 Resp: 1089

Ion	Ratio	Lower	Upper
42	100		
74	117.2	90.3	135.5
44	0.0	9.0	13.4#



Instrument :
BNA_E
ClientSampleId :
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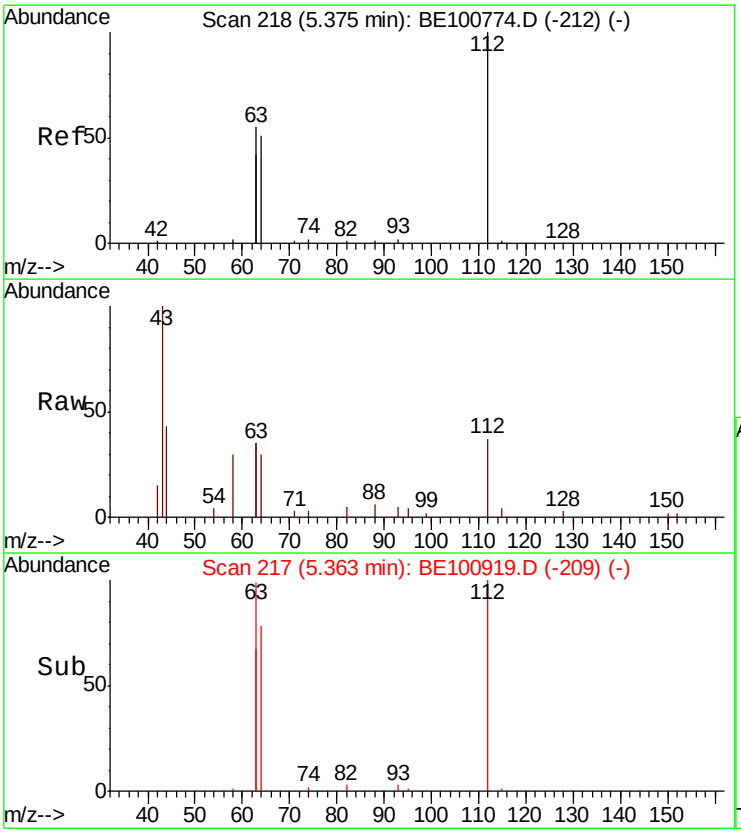
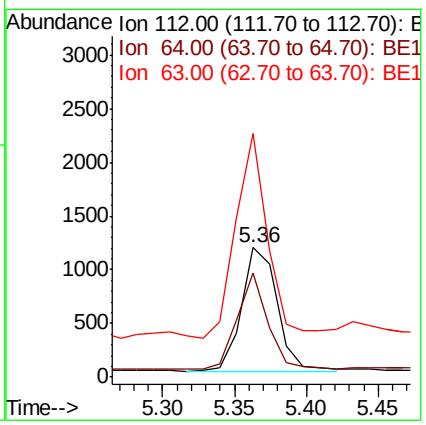
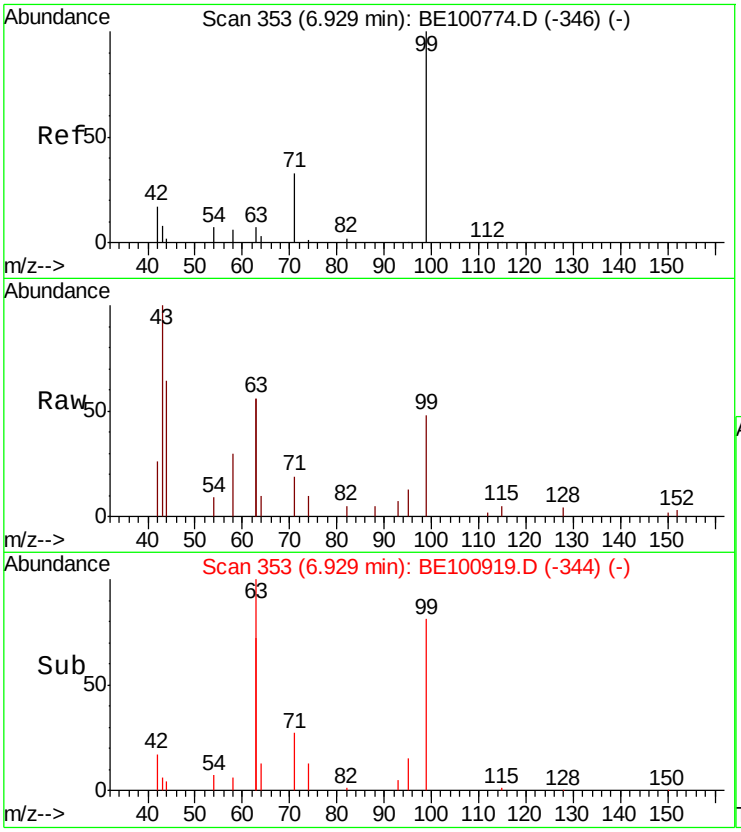


#4
2-Fluorophenol
Concen: 0.195 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:112 Resp: 1977

Ion	Ratio	Lower	Upper
112	100		
64	66.6	54.5	81.7
63	146.2	116.1	174.1





#5
Phenol-d6
Concen: 0.133 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion: 99 Resp: 2031

Ion	Ratio	Lower	Upper
99	100		
42	64.9	18.2	27.2#
71	0.0	29.1	43.7#

Instrument :
BNA_E
ClientSampleId :
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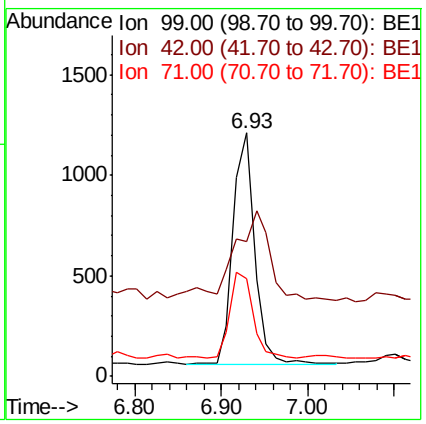
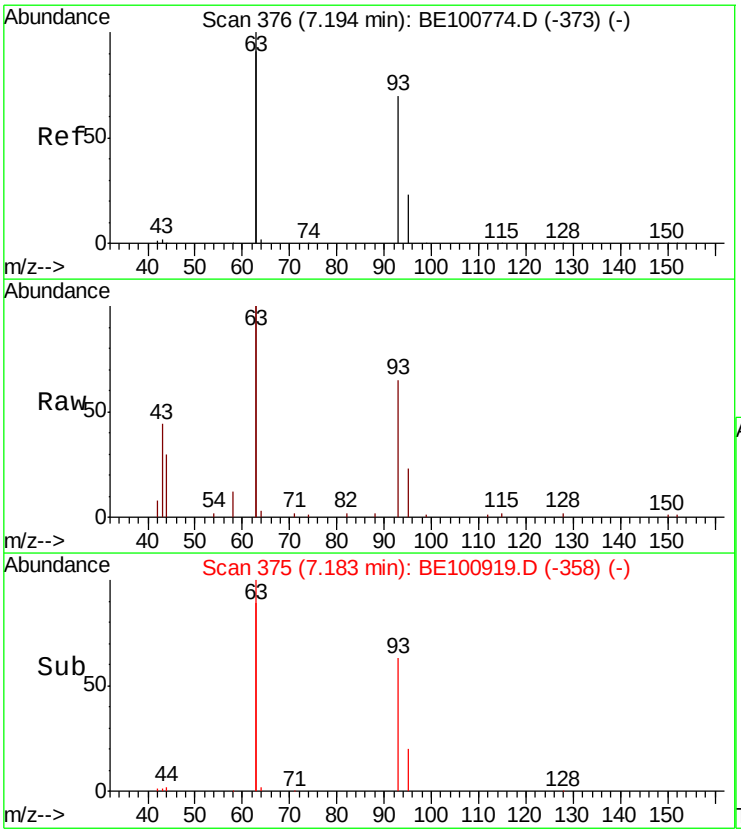
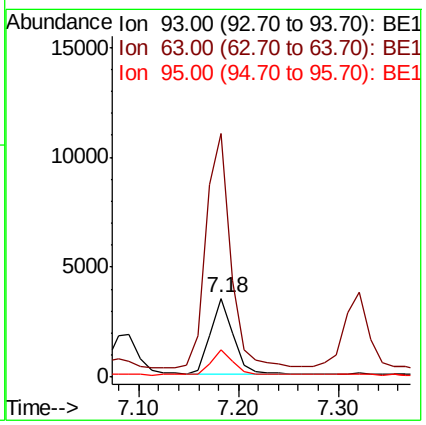


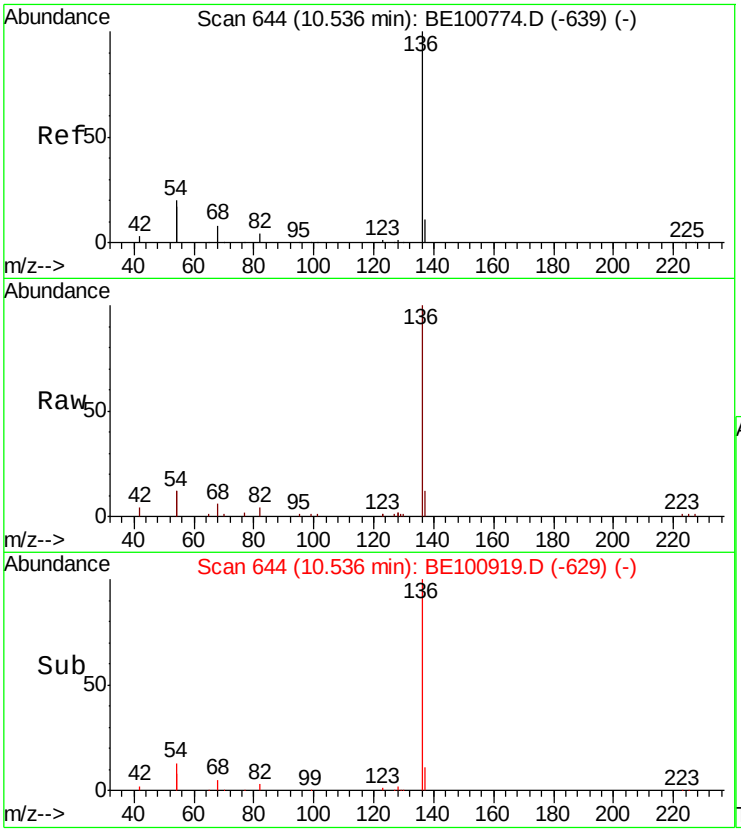


#6
bis(2-Chloroethyl)ether
Concen: 0.376 ng
RT: 7.18 min Scan# 375
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion: 93 Resp: 5571

Ion	Ratio	Lower	Upper
93	100		
63	325.6	253.9	380.9
95	33.9	25.0	37.6

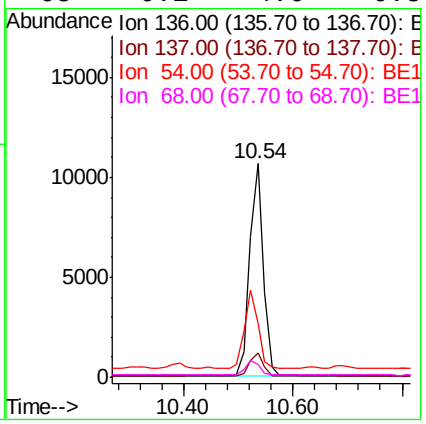




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:136 Resp: 18575

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	24.9	18.9	28.3
68	6.1	4.6	6.8



Instrument :
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ClientSampleId :
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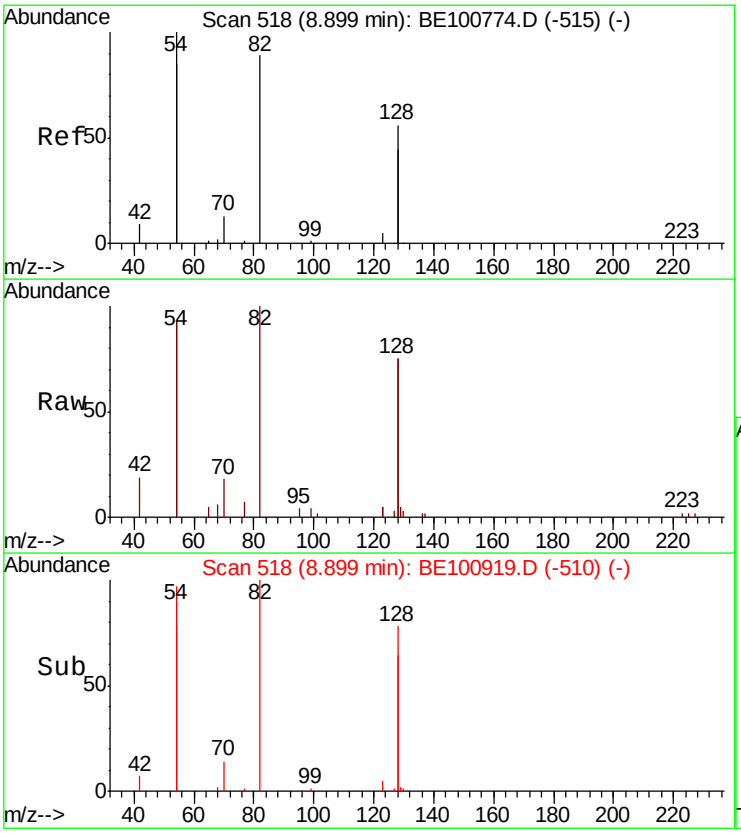
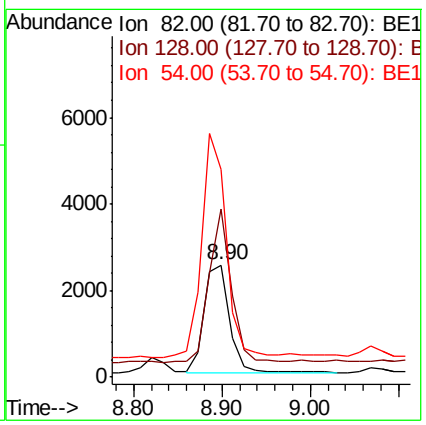
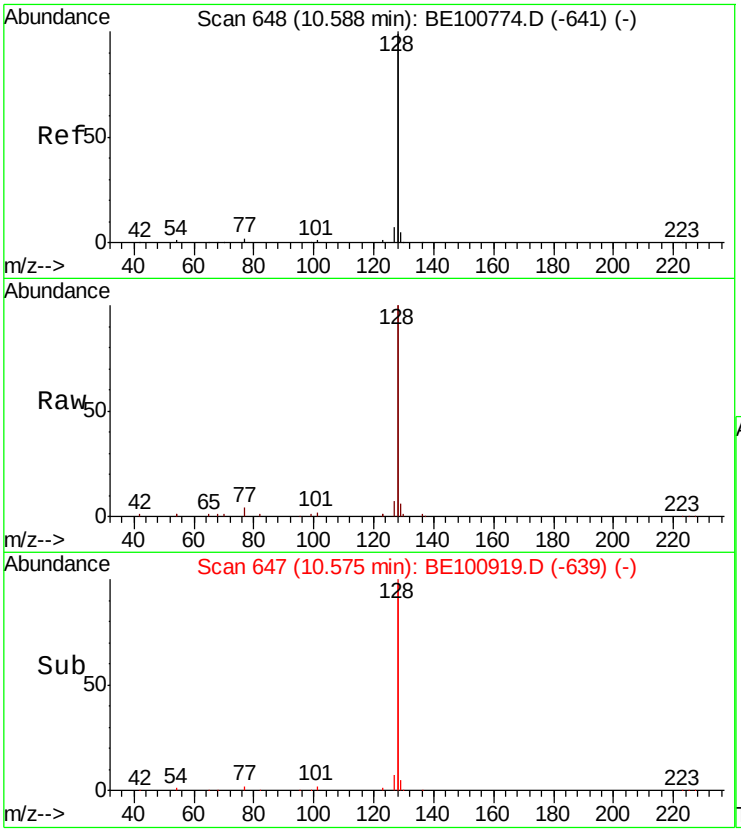


#8
Nitrobenzene-d5
Concen: 0.556 ng
RT: 8.90 min Scan# 518
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion: 82 Resp: 4915

Ion	Ratio	Lower	Upper
82	100		
128	149.7	113.5	170.3
54	185.4	138.9	208.3

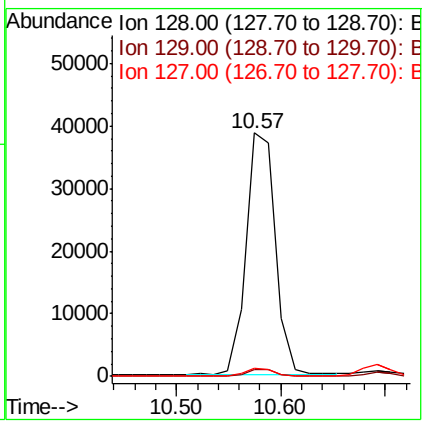




#9
Naphthalene
Concen: 0.382 ng
RT: 10.57 min Scan# 647
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:128 Resp: 75356

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.5	2.8	4.2



Instrument :
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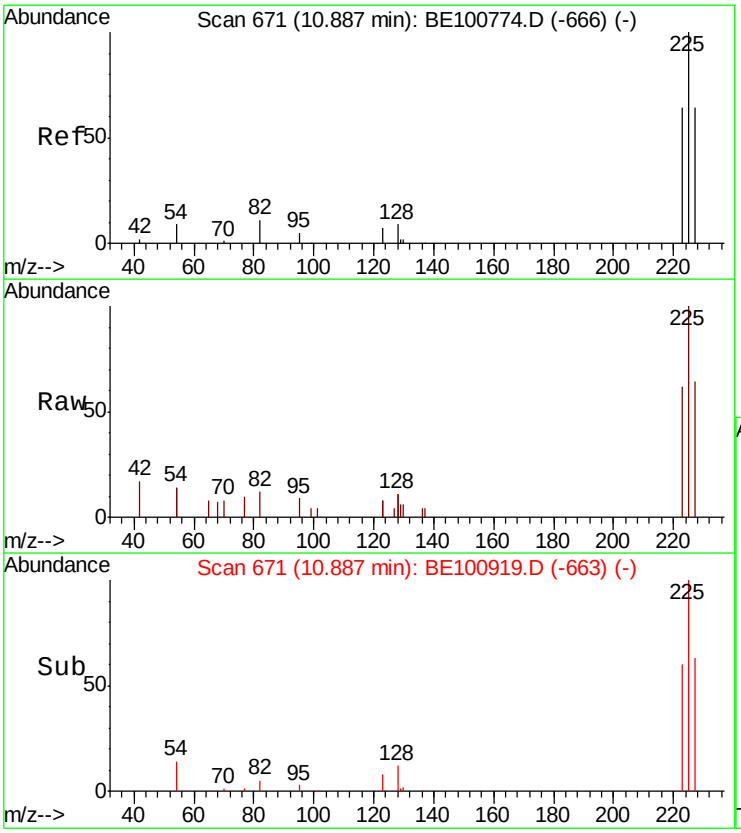
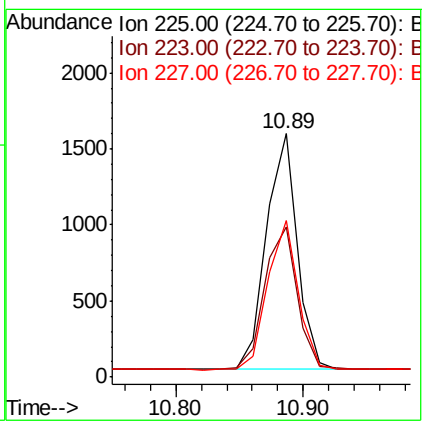
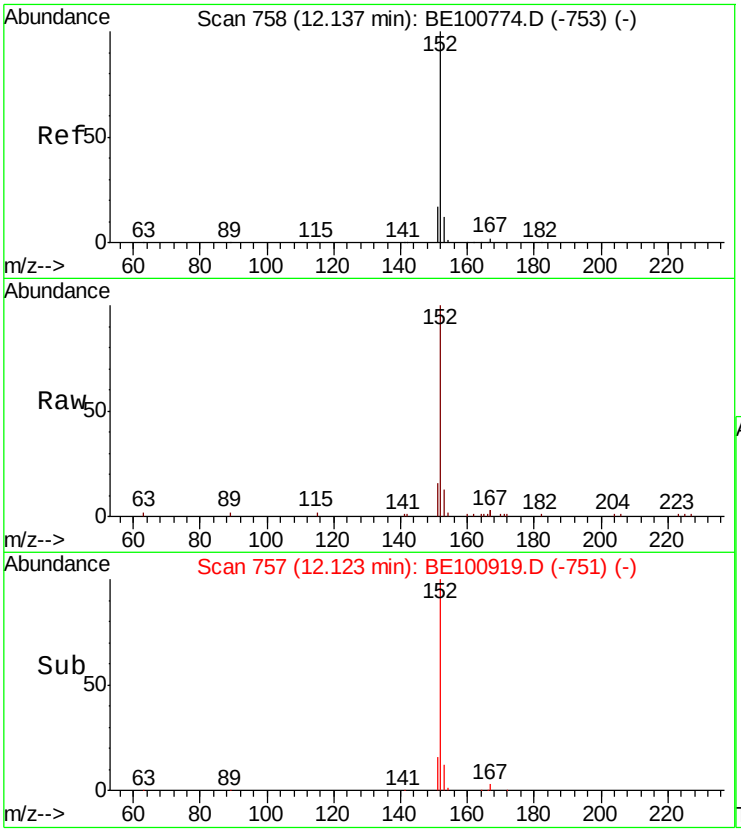


#10
Hexachlorobutadiene
Concen: 0.336 ng
RT: 10.89 min Scan# 671
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:225 Resp: 2587

Ion	Ratio	Lower	Upper
225	100		
223	63.7	52.1	78.1
227	63.1	51.1	76.7

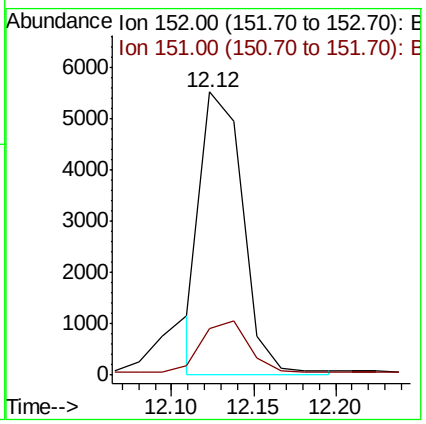




#11
2-Methylnaphthalene-d10
Concen: 0.371 ng m
RT: 12.12 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:152 Resp: 9989

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.1	22.7



Instrument :
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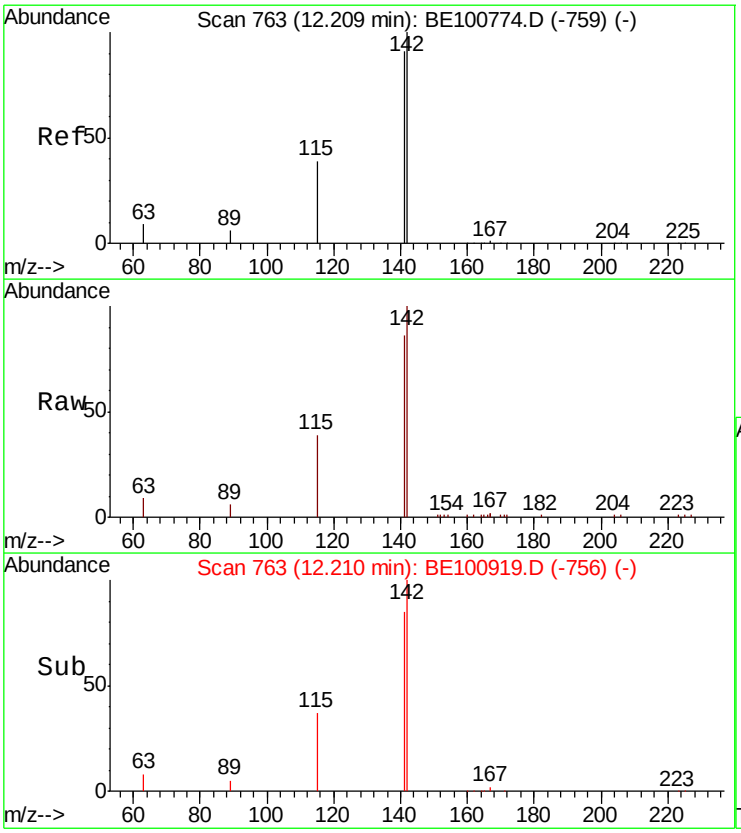
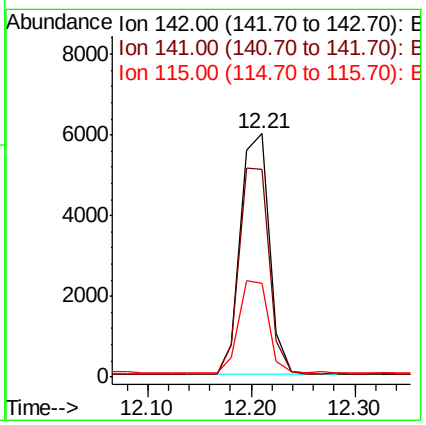
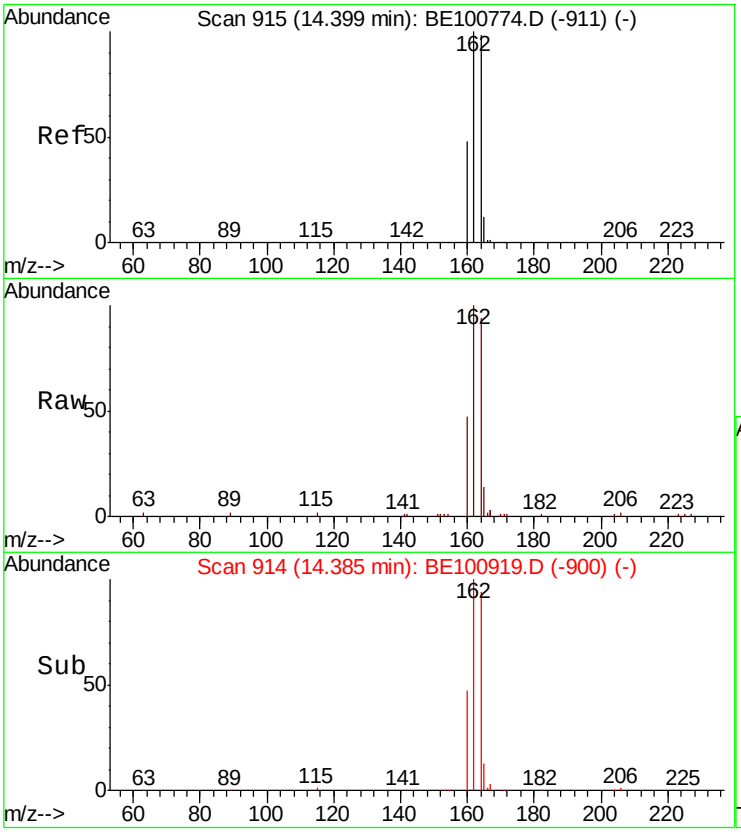


#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:142 Resp: 11599

Ion	Ratio	Lower	Upper
142	100		
141	85.6	68.9	103.3
115	38.5	29.5	44.3

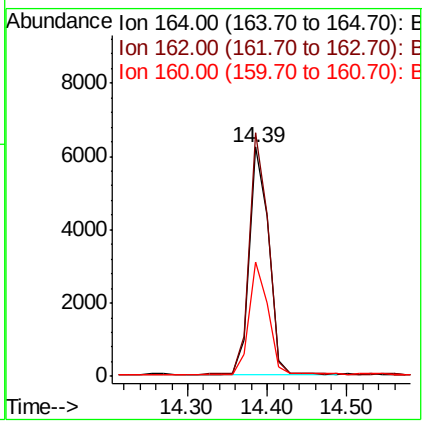




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:164 Resp: 10295

Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.0	129.0
160	50.1	42.3	63.5



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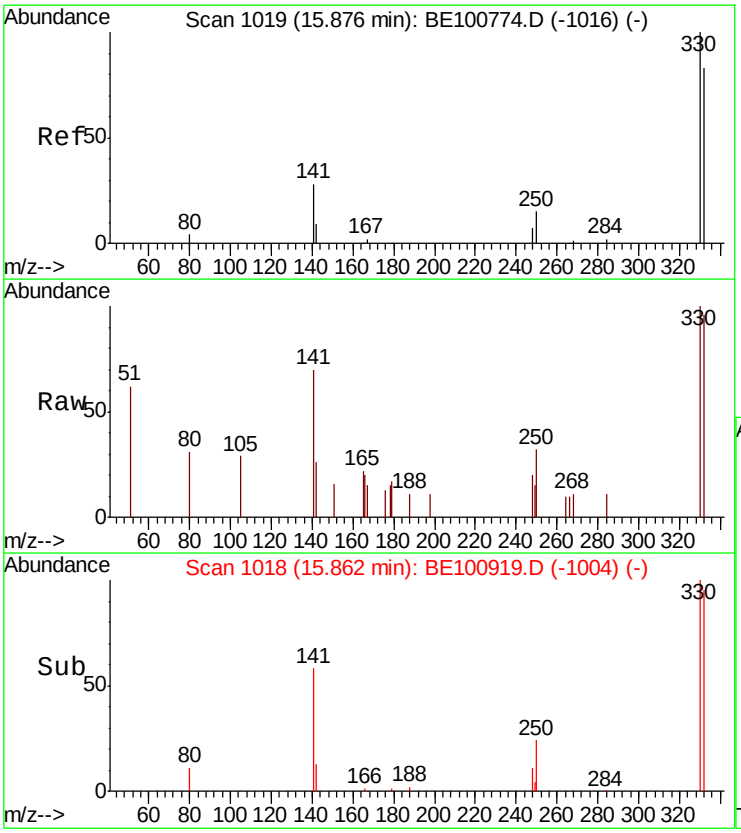
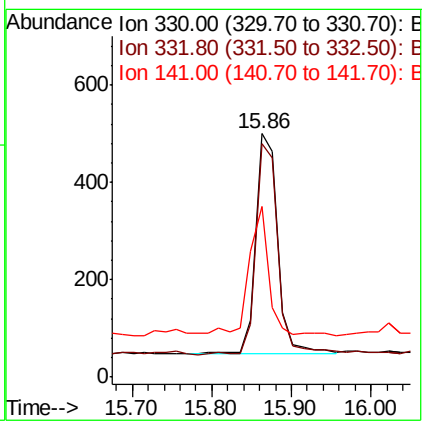
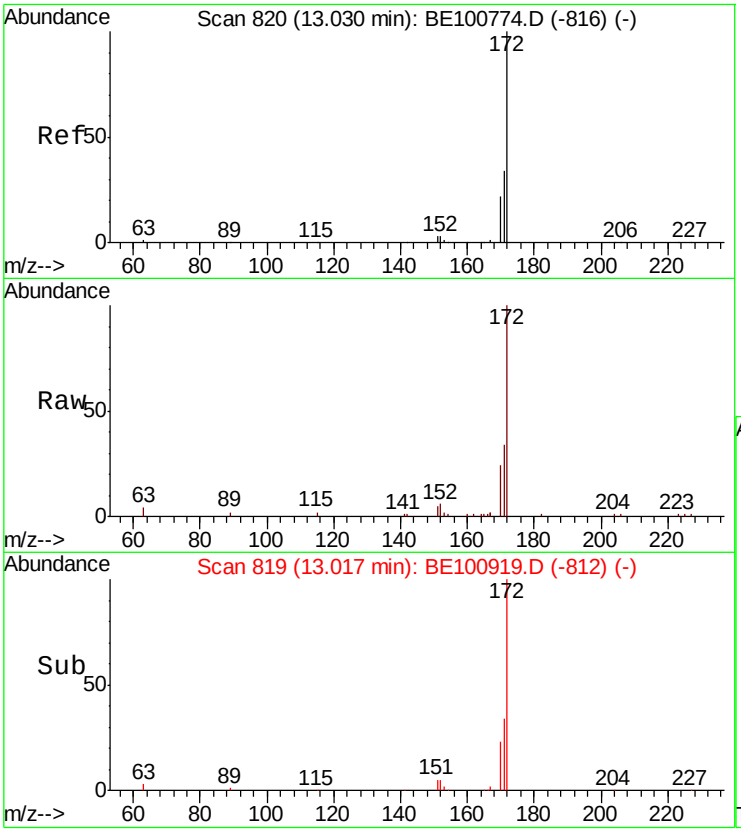


#14
2,4,6-Tribromophenol
Concen: 0.769 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:330 Resp: 880

Ion	Ratio	Lower	Upper
330	100		
332	96.6	74.1	111.1
141	48.6	46.7	70.1

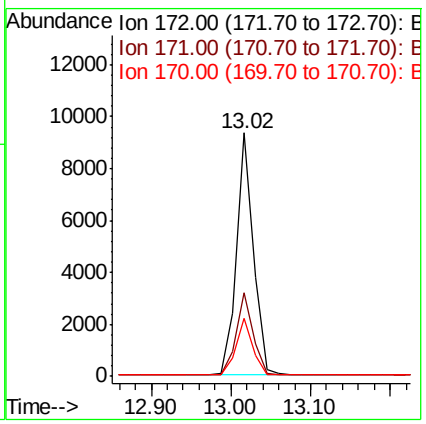




#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:172 Resp: 13665

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.4
170	23.8	19.4	29.0



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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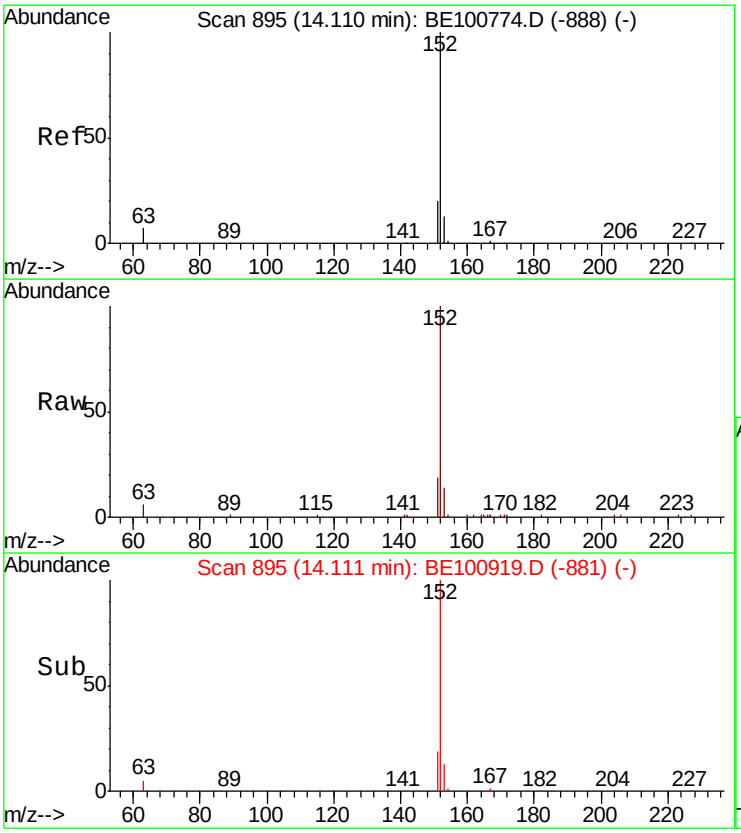
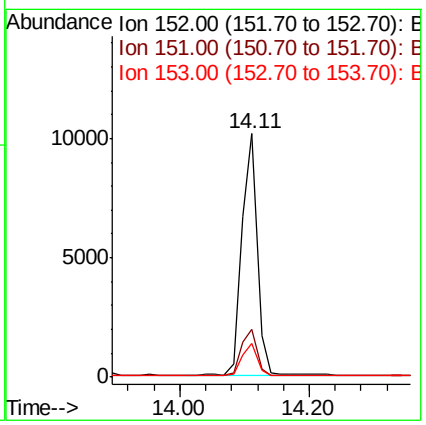
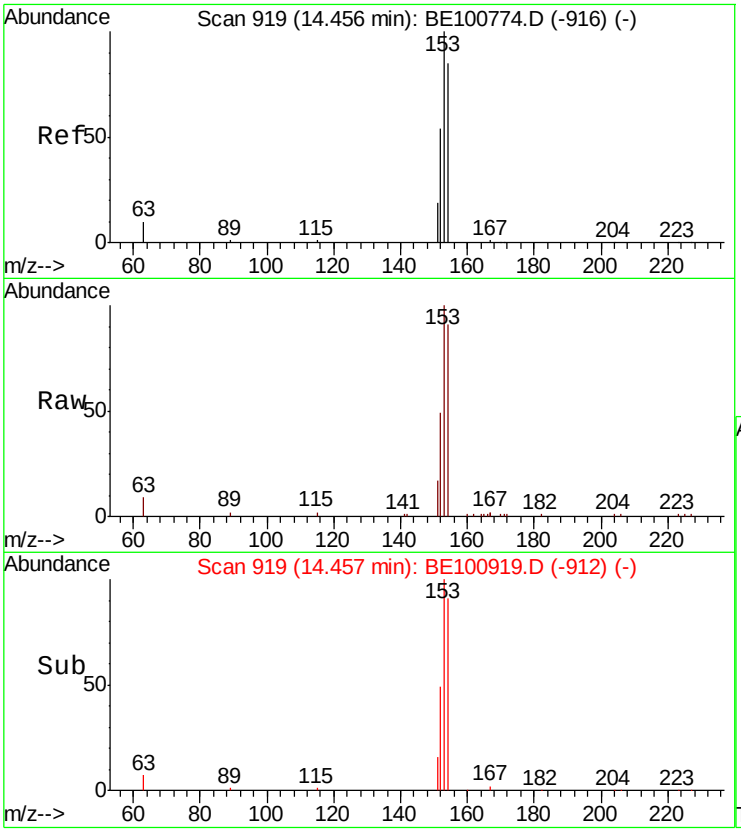


#16
Acenaphthylene
Concen: 0.395 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:152 Resp: 16841

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.5	10.5	15.7

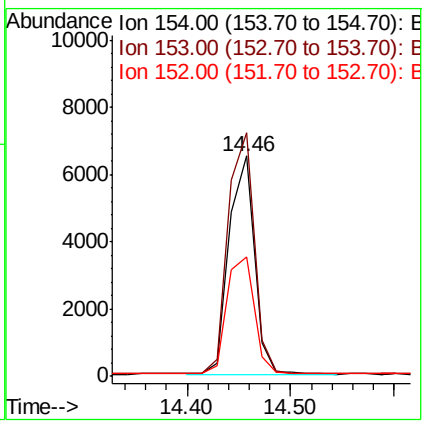




#17
Acenaphthene
Concen: 0.373 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:154 Resp: 10963

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.5	137.3
152	58.4	47.7	71.5



Instrument :
BNA_E
ClientSampleId :
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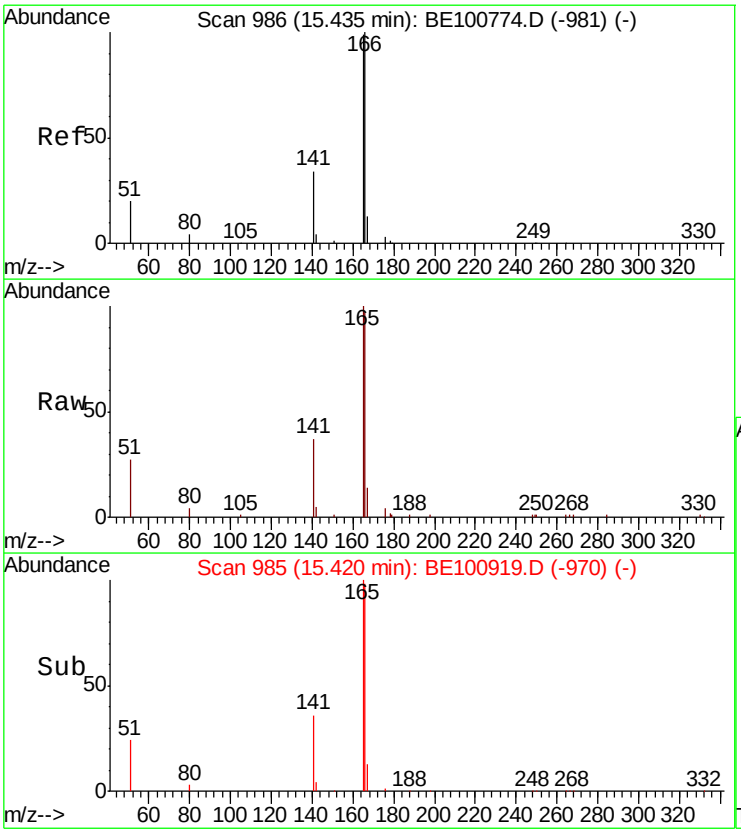
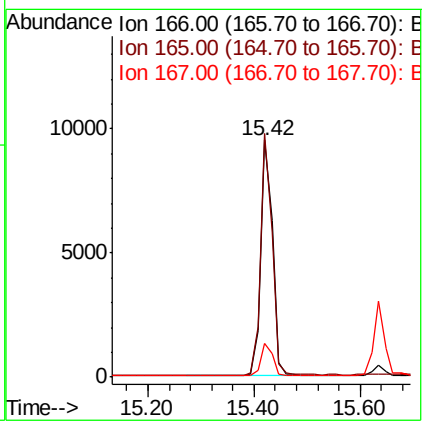
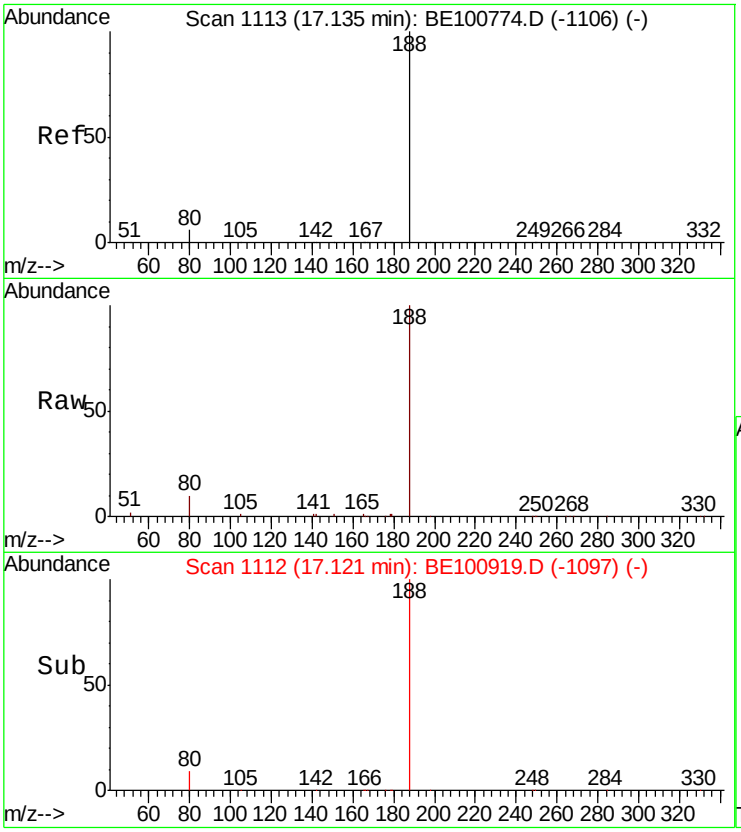


#18
Fluorene
Concen: 0.390 ng
RT: 15.42 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:166 Resp: 14744

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.2	120.4
167	13.6	10.6	16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:188 Resp: 26963

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.9	11.9

Instrument :
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ClientSampleId :
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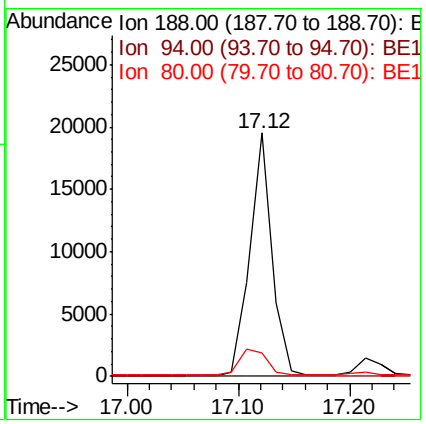
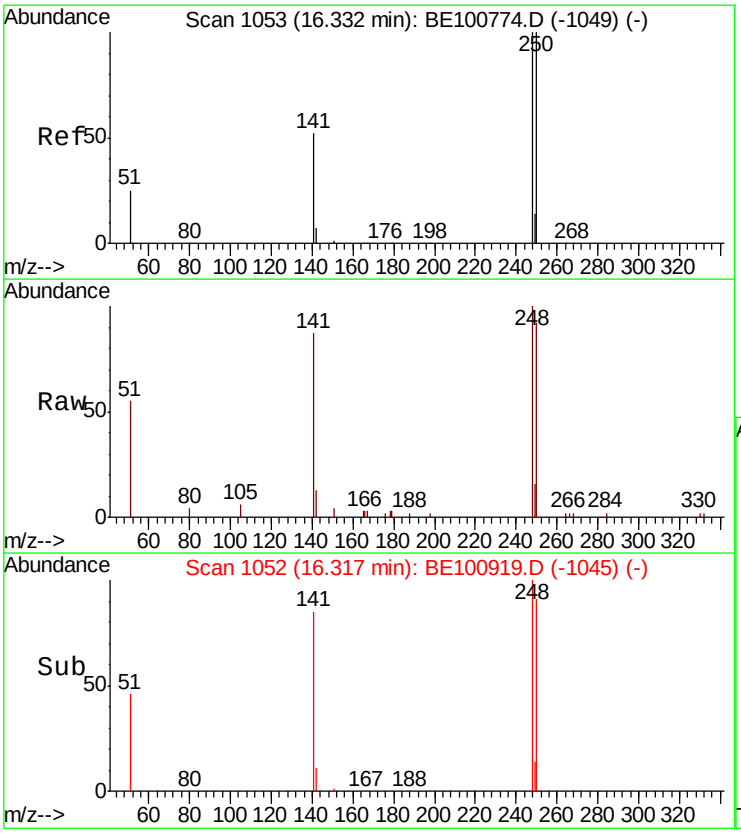
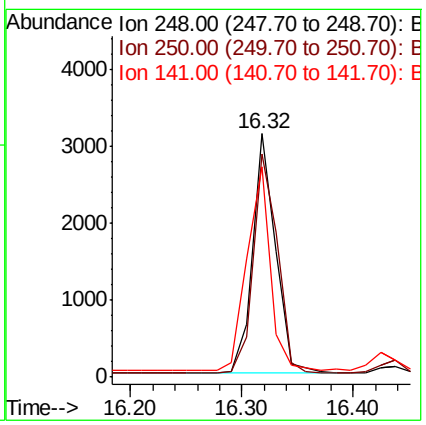


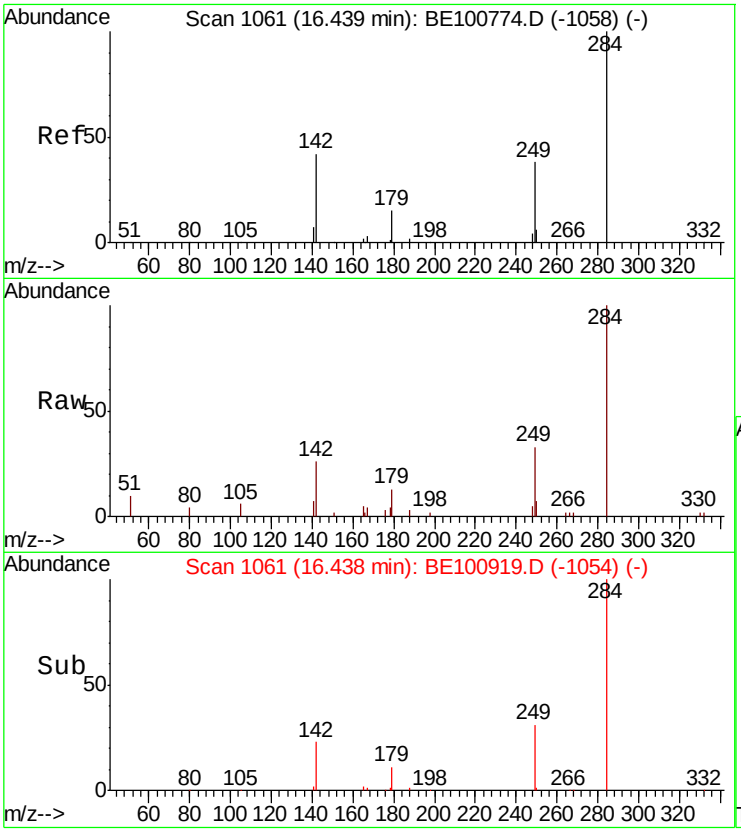


#20
4-Bromophenyl-phenylether
Concen: 0.339 ng
RT: 16.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:248 Resp: 4481

Ion	Ratio	Lower	Upper
248	100		
250	91.9	72.4	108.6
141	86.5	68.2	102.2

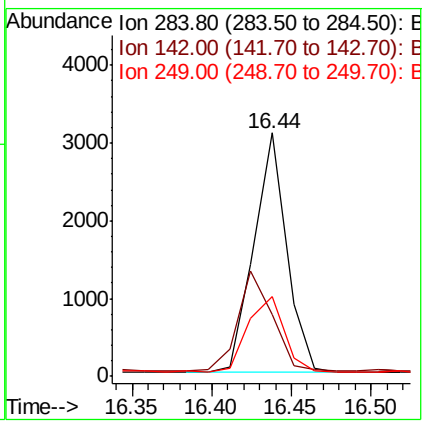




#21
Hexachlorobenzene
Concen: 0.306 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:284 Resp: 4391

Ion	Ratio	Lower	Upper
284	100		
142	43.3	35.0	52.4
249	35.0	28.1	42.1



Instrument :
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ClientSampleId :
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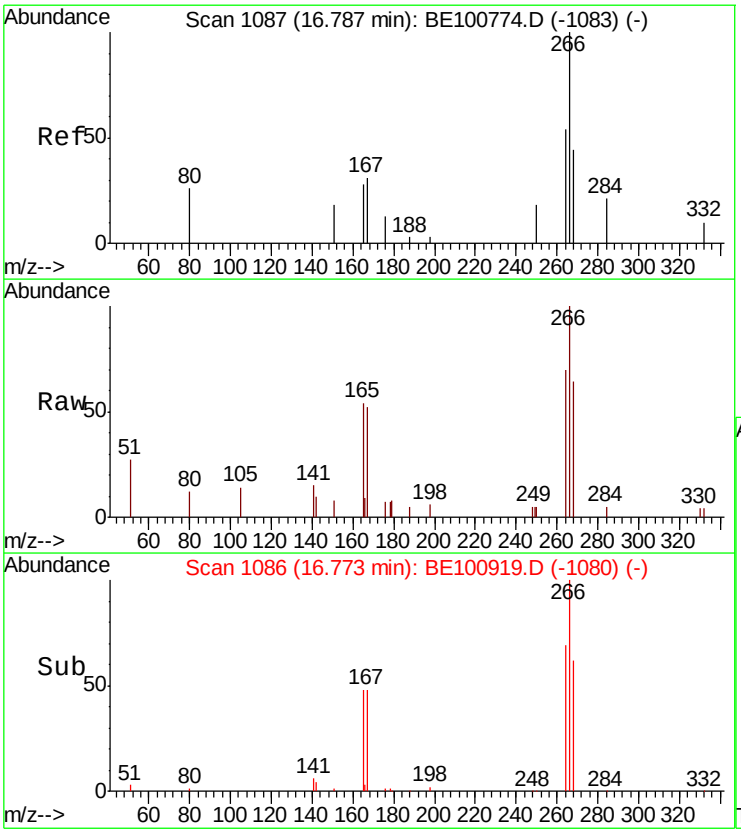
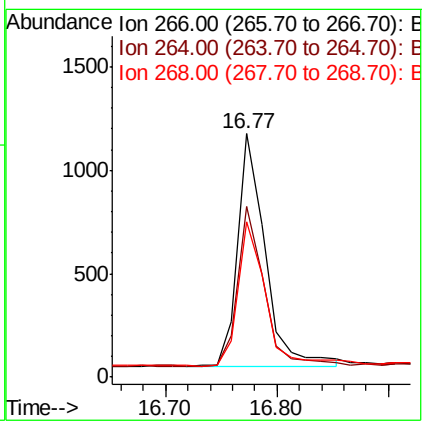
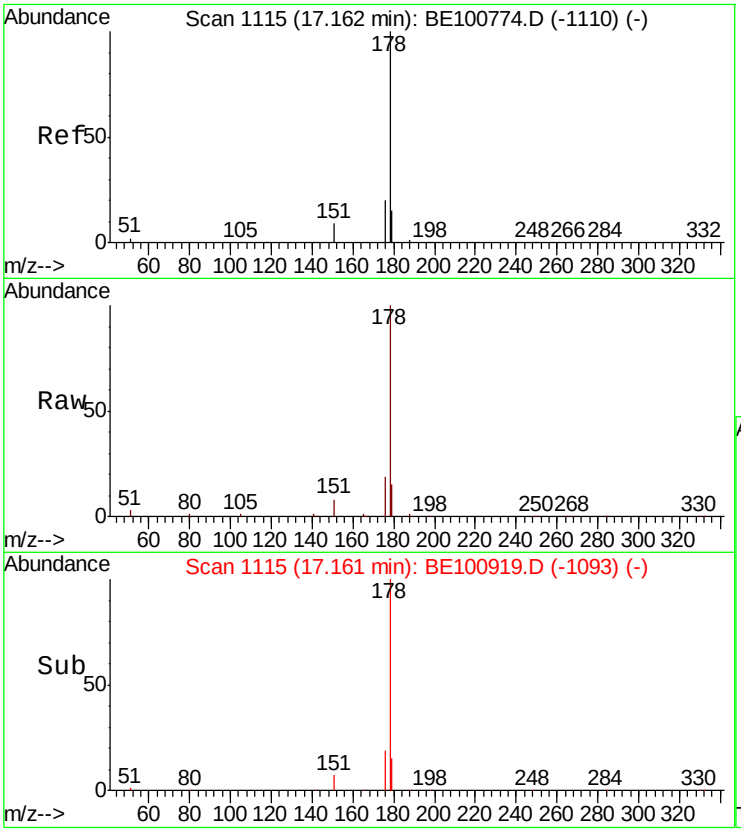


#22
Pentachlorophenol
Concen: 1.927 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:266 Resp: 1916

Ion	Ratio	Lower	Upper
266	100		
264	70.3	55.1	82.7
268	63.9	50.7	76.1

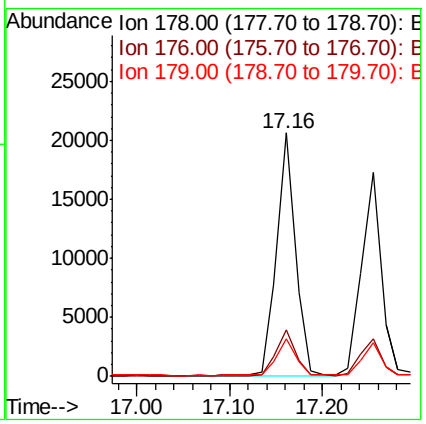




#23
Phenanthrene
Concen: 0.356 ng
RT: 17.16 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:178 Resp: 29036

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.5	11.9	17.9



Instrument :
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ClientSampleId :
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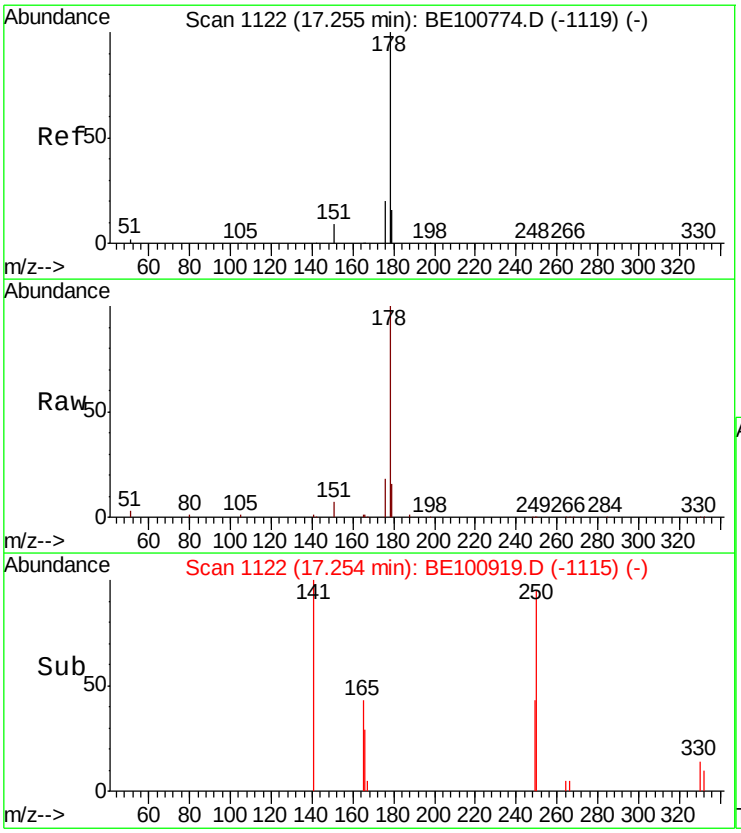
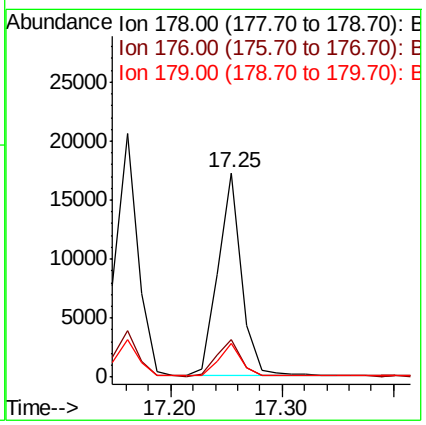
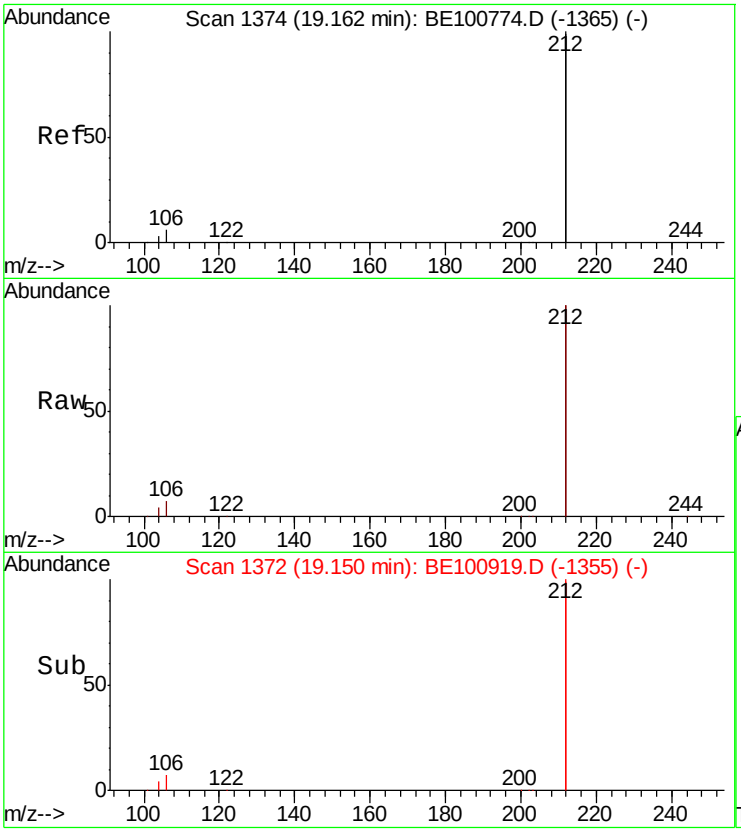


#24
Anthracene
Concen: 0.371 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:178 Resp: 25331

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.3	12.2	18.4





#25
Fluoranthene-d10
Concen: 0.422 ng
RT: 19.15 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:212 Resp: 134323

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.6	4.0
104	2.0	1.4	2.2

Instrument :
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ClientSampleId :
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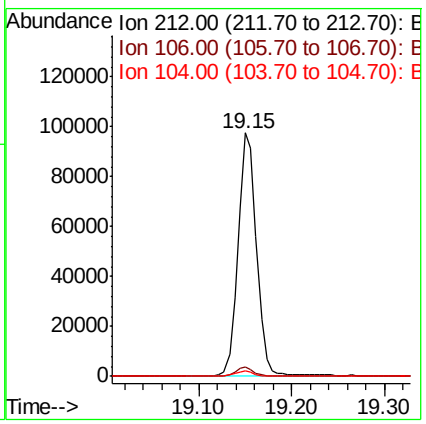
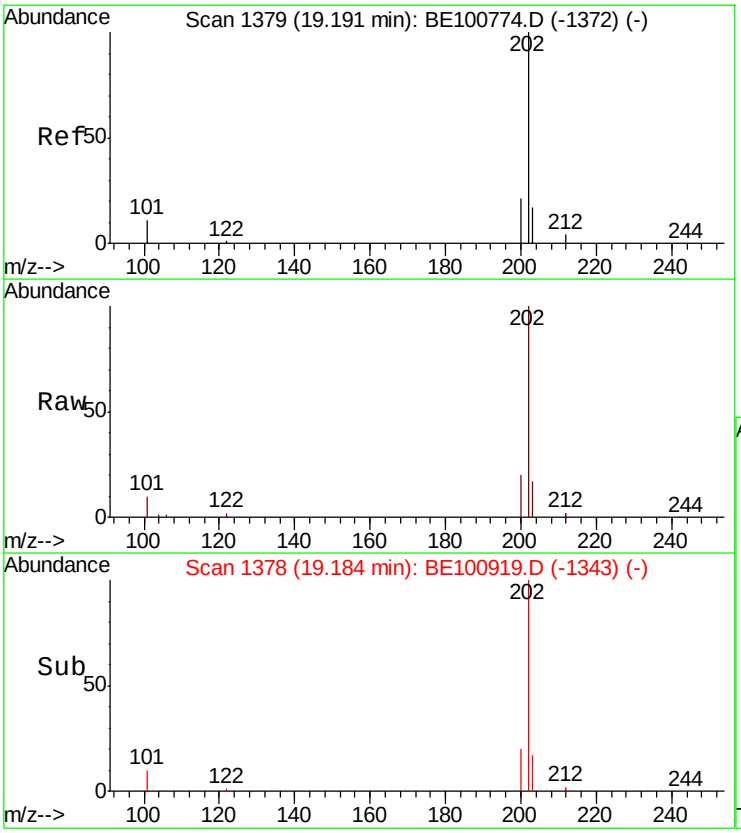
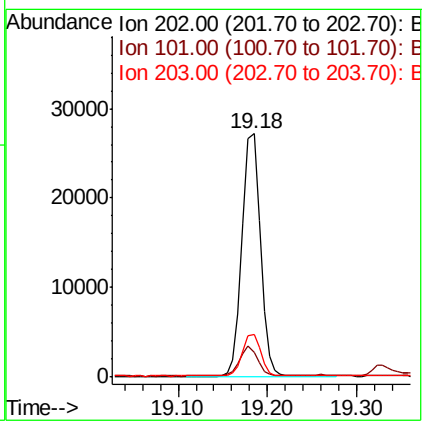


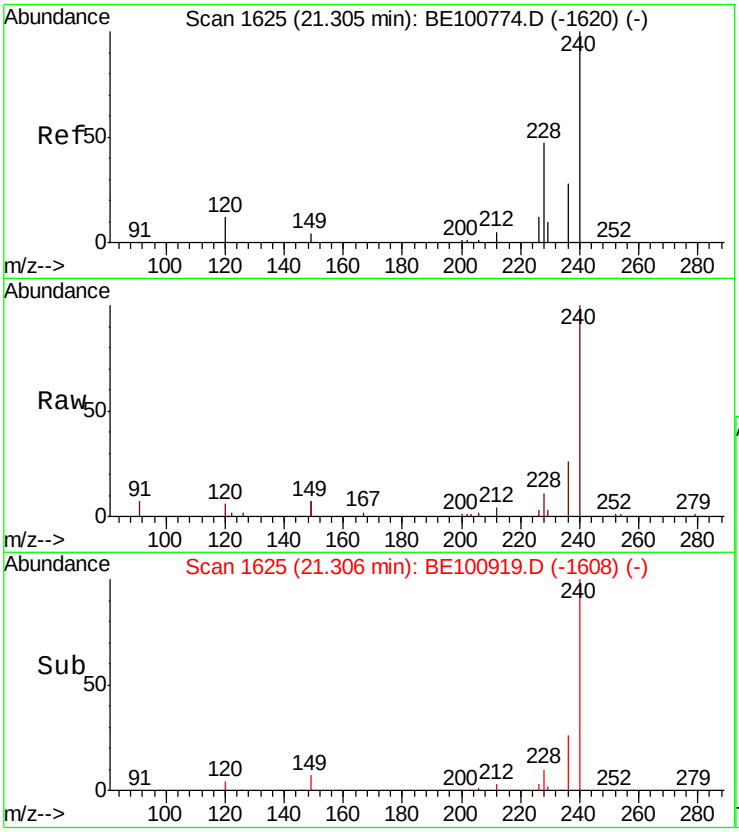


#26
Fluoranthene
Concen: 0.385 ng
RT: 19.18 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:202 Resp: 37549

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.4	14.0
203	17.0	13.7	20.5

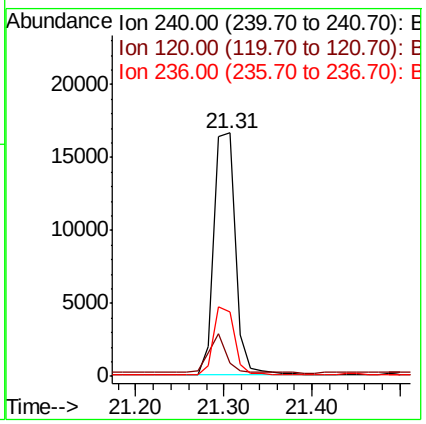




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:240 Resp: 28253

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.0	6.0
236	26.5	21.6	32.4



Instrument :
BNA_E
ClientSampleId :
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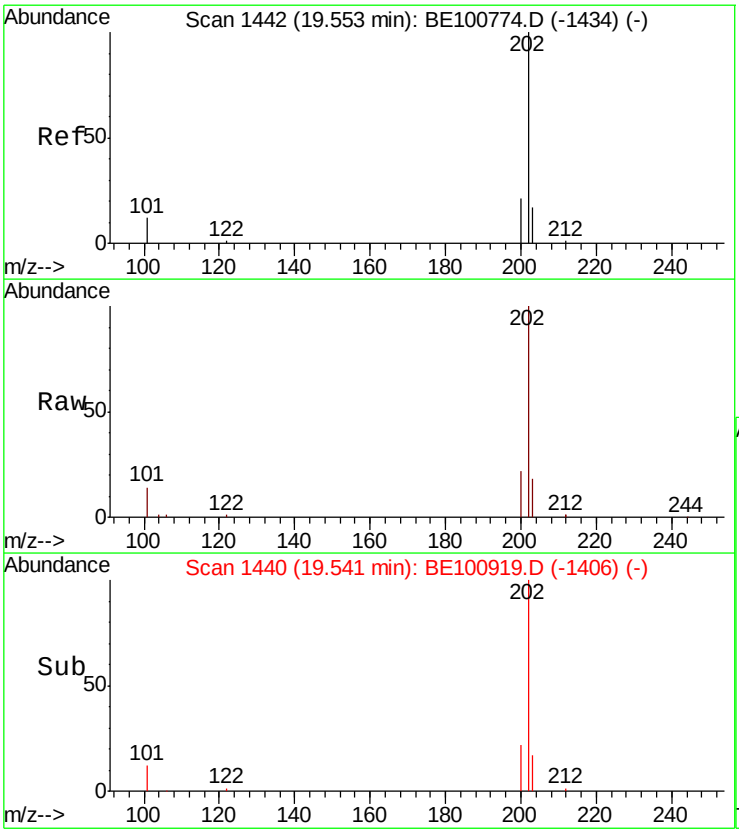
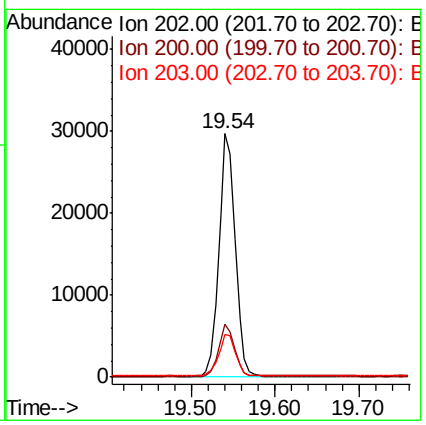
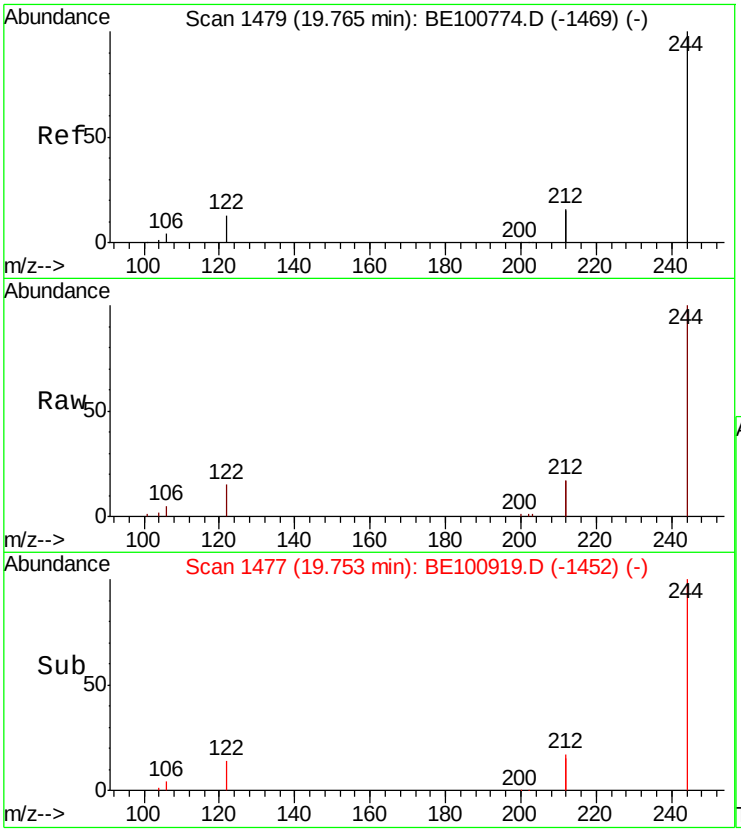


#28
Pyrene
Concen: 0.435 ng
RT: 19.54 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:202 Resp: 39938

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.0	13.8	20.8





#29
Terphenyl-d14
Concen: 0.378 ng
RT: 19.75 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:244 Resp: 25577

Ion	Ratio	Lower	Upper
244	100		
212	33.5	25.2	37.8
122	14.7	8.9	13.3#

Instrument :
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ClientSampleId :
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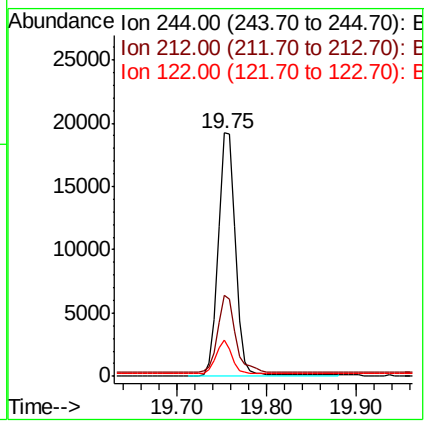
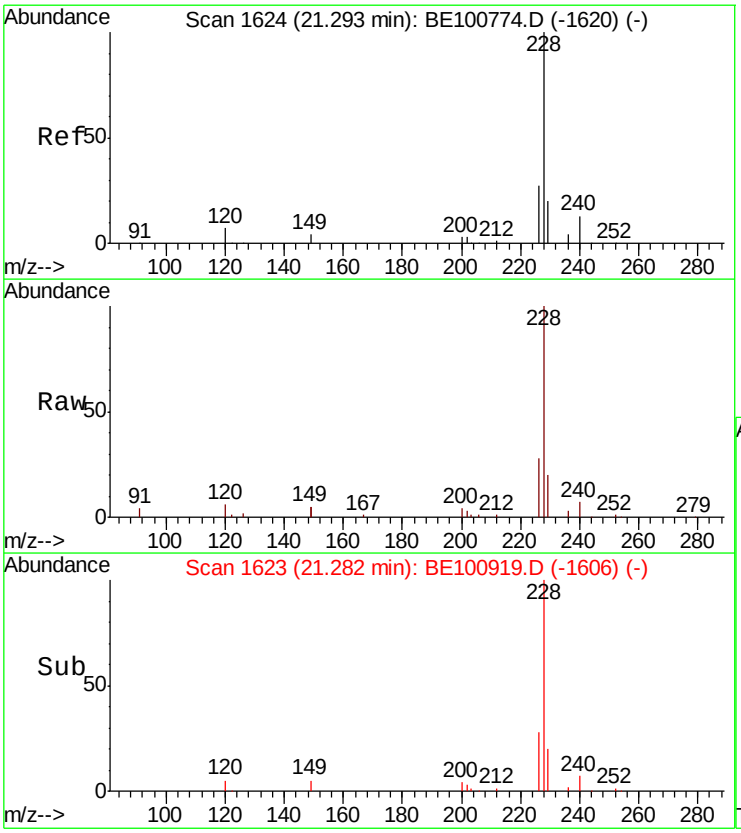
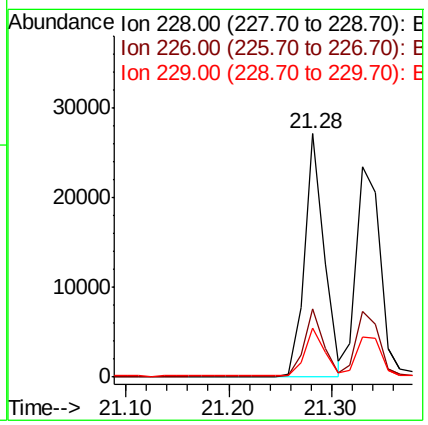


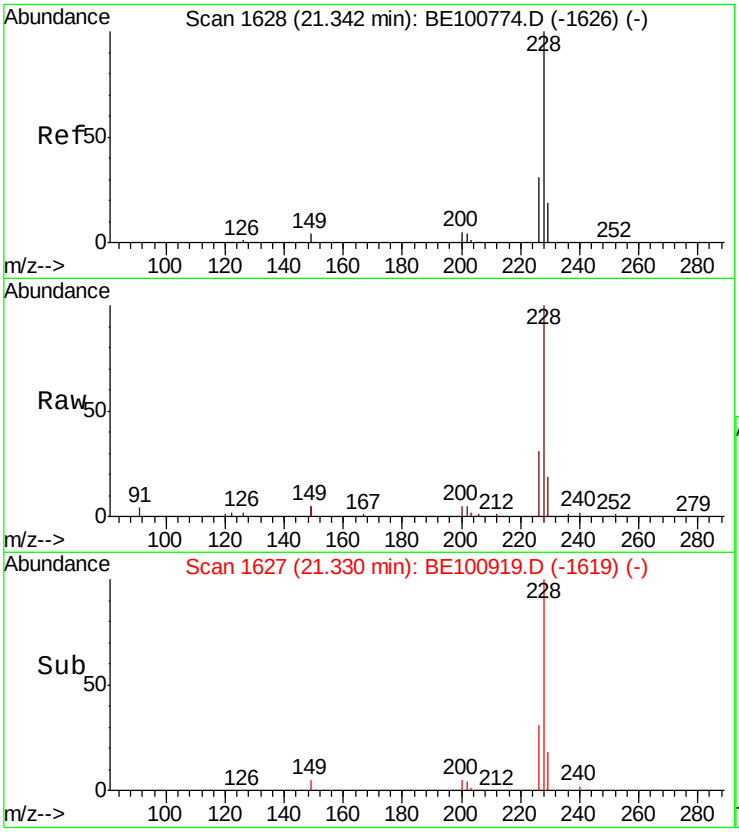


#30
Benzo(a)anthracene
Concen: 0.430 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:228 Resp: 35813

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.0
229	20.0	15.8	23.6

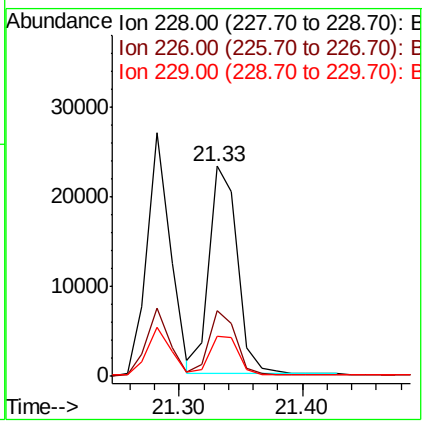




#31
Chrysene
Concen: 0.378 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:228 Resp: 37001

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.3	37.9
229	19.0	15.2	22.8



Instrument :
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ClientSampleId :
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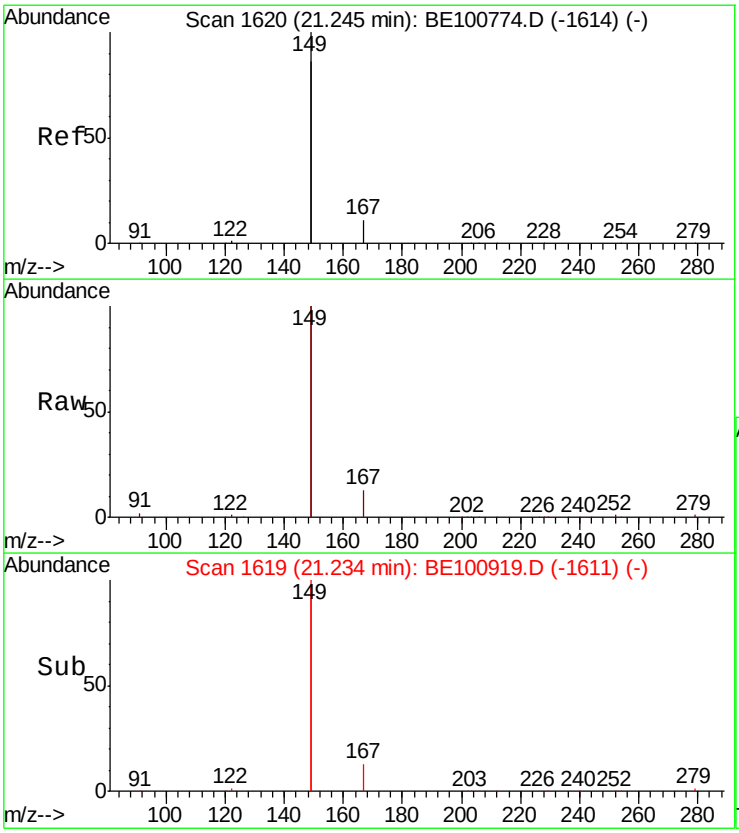
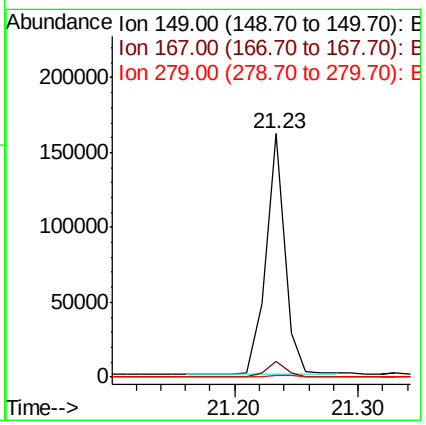
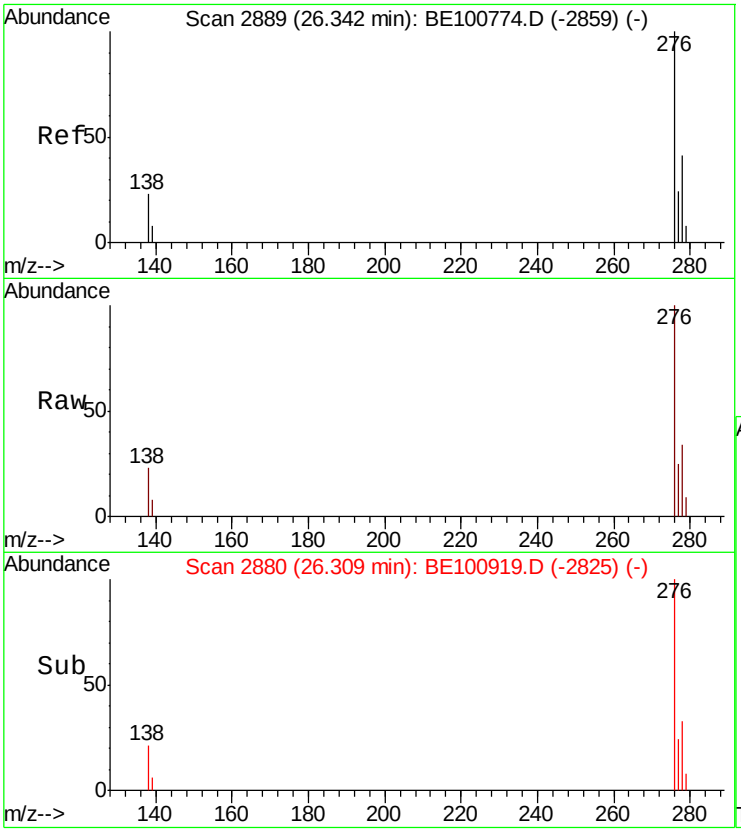


#32
Bis(2-ethylhexyl)phthalate
Concen: 2.096 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:149 Resp: 173896

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.0	7.4
279	0.8	0.6	1.0





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 26.31 min Scan# 2880
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:276 Resp: 32085

Ion	Ratio	Lower	Upper
276	100		
138	24.2	18.4	27.6
277	24.2	19.4	29.2

Instrument :
BNA_E
ClientSampleId :
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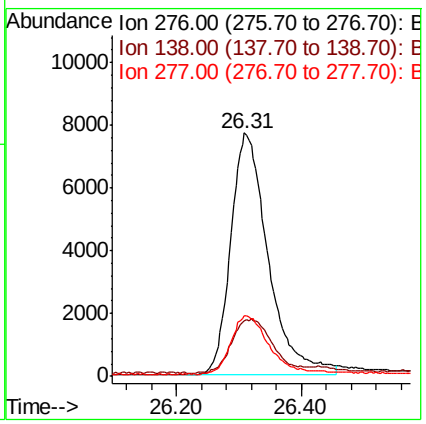
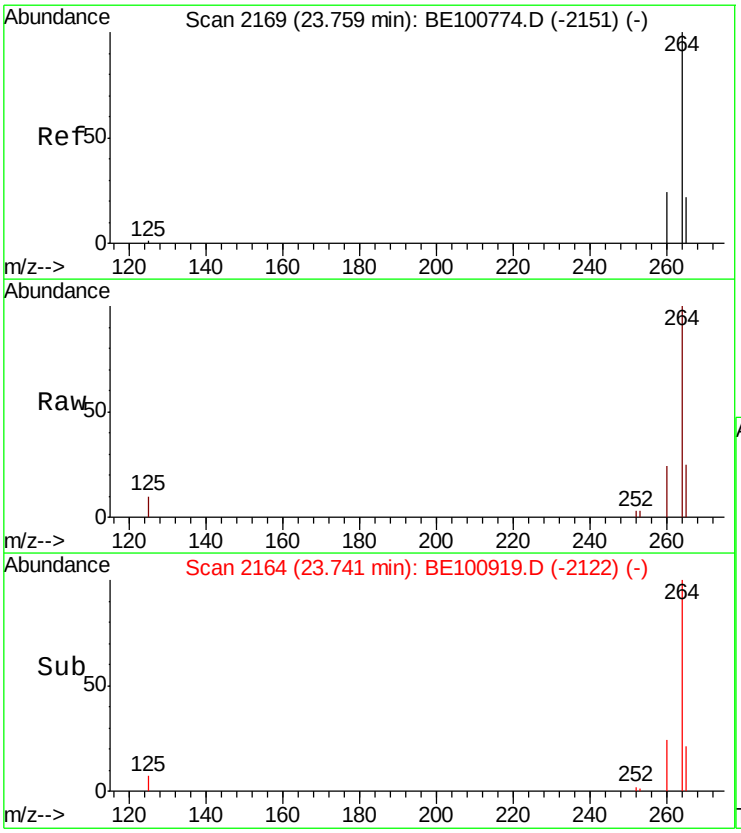
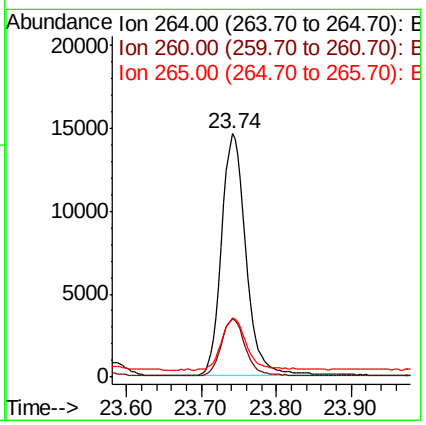


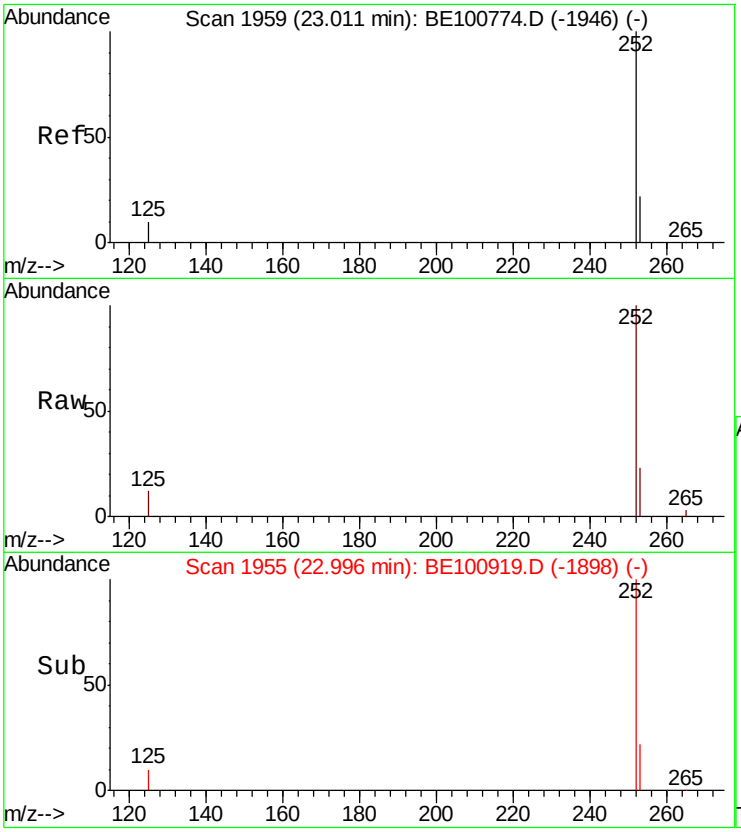


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:264 Resp: 33141

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	24.5	20.1	30.1





#35
Benzo(b)fluoranthene
Concen: 0.350 ng
RT: 23.00 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:252 Resp: 31740

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	12.0	8.3	12.5

Instrument :
BNA_E
ClientSampleId :
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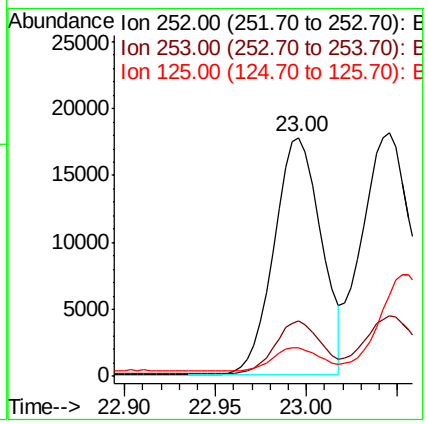
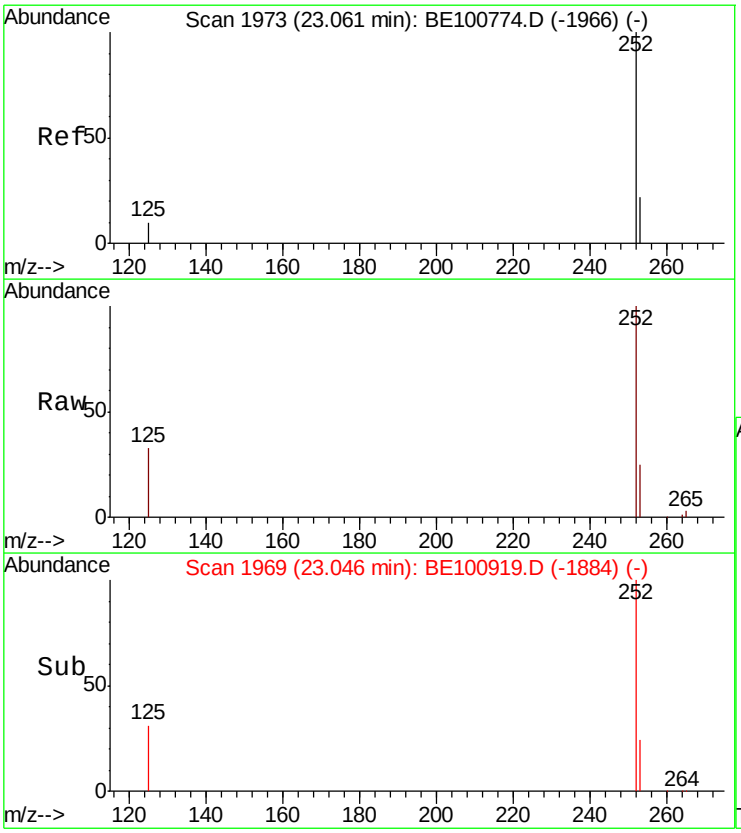
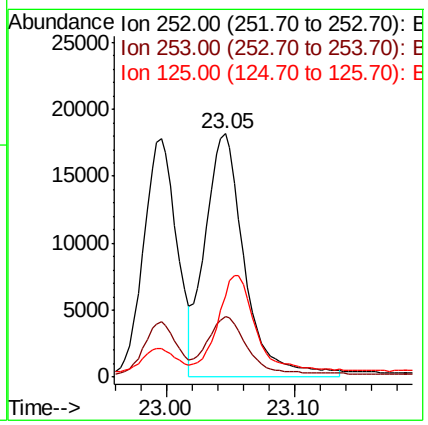


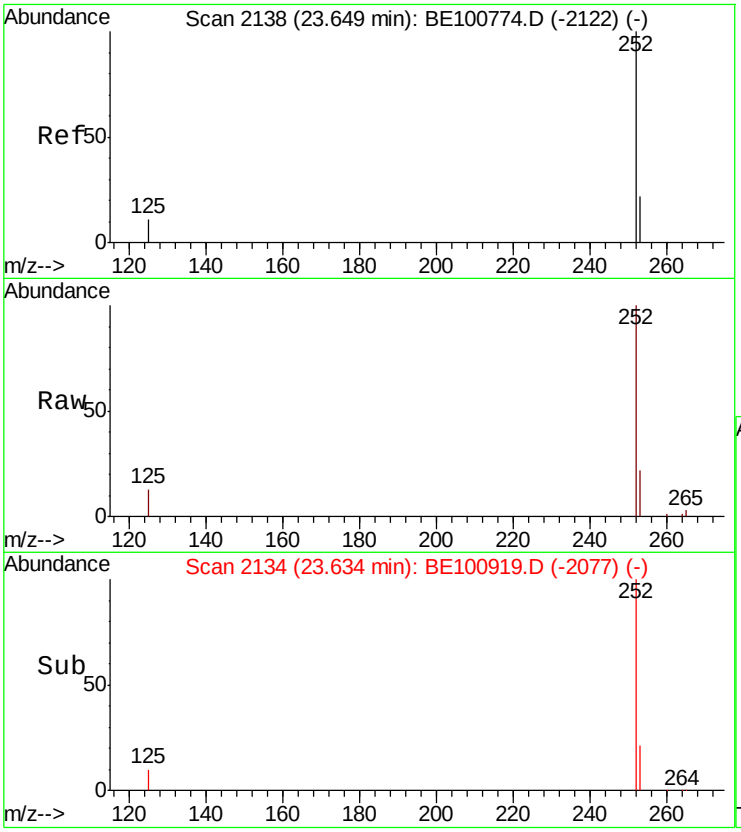


#36
Benzo(k)fluoranthene
Concen: 0.385 ng m
RT: 23.05 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:252 Resp: 39203

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	33.0	9.4	14.0#

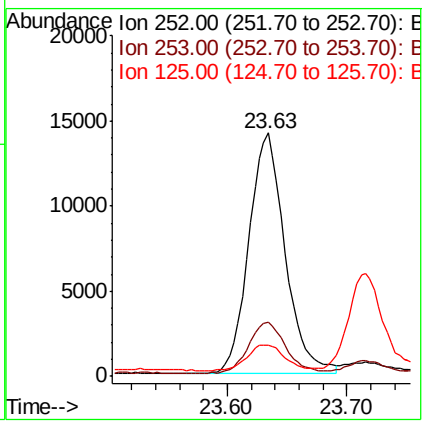




#37
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.63 min Scan# 2134
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:252 Resp: 29927

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	13.0	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
MW202D-20191207MSD

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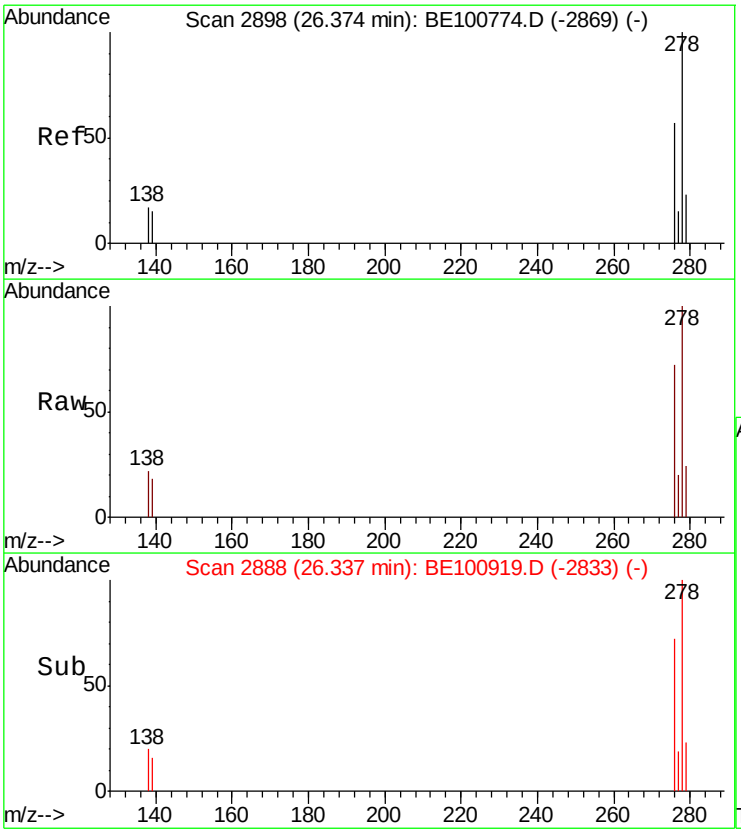
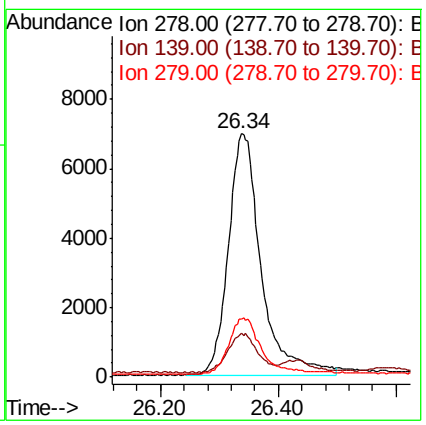
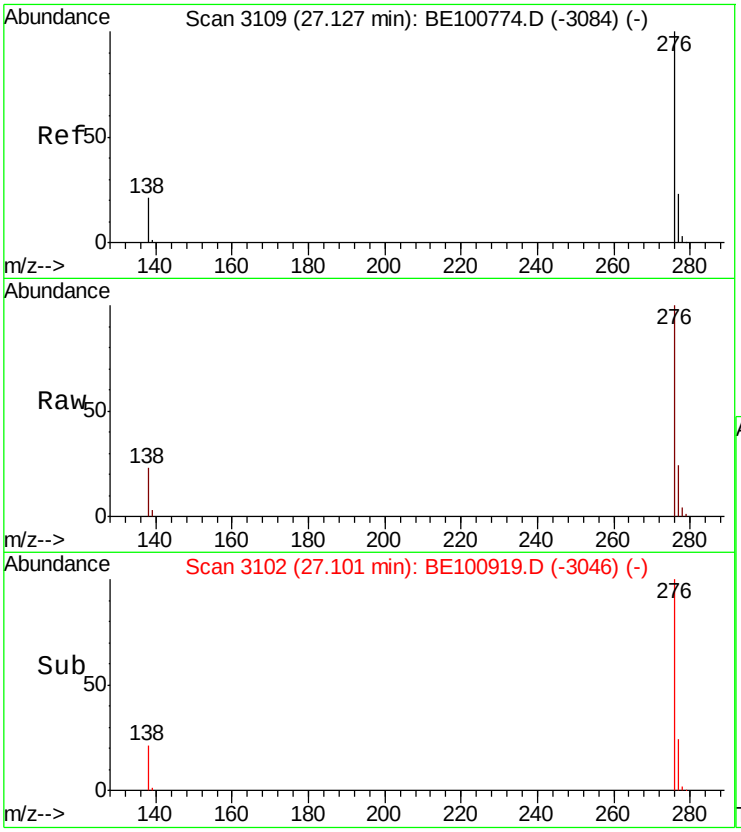


#38
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 26.34 min Scan# 2888
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:278 Resp: 26805

Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.8	20.6
279	23.7	19.8	29.6

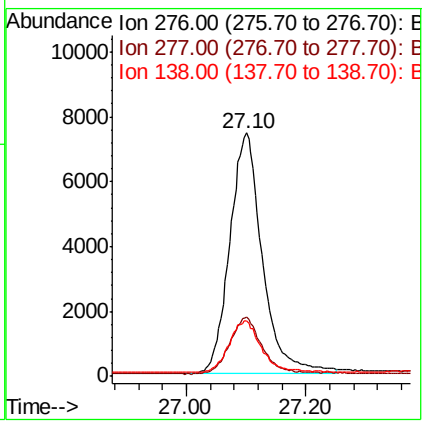




#39
Benzo(g,h,i)perylene
Concen: 0.337 ng
RT: 27.10 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:276 Resp: 28141

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.7	29.5
138	22.7	18.0	27.0



Instrument :
BNA_E
ClientSampleId :
MW202D-20191207MSD

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