

Data File : BM026544.D
Acq On : 25 Jun 2020 01:14
Operator : JU/CG
Sample : L3064-07
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ET161

Quant Time: Jun 25 02:59:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 23 10:25:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	110604	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	485232	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	413737	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	734930	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	796166	20.00	ng/ul	0.00
86) Perylene-d12	23.09	264	644257	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	2746	0.87	ng/uL	0.00
5) Phenol-d5	6.58	99	46656	4.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	36535	5.67	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	38629	4.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	39213	4.89	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	18131	4.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.24	143	14699	3.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	39092	4.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	26398	2.90	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	144386	4.15	ng/ul	0.00
47) Acenaphthylene-d8	13.72	160	152643	3.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	7342	1.27	ng/ul	0.02
58) Fluorene-d10	15.05	176	118231	3.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.22	200	4611	0.96	ng/ul	0.04
71) Anthracene-d10	16.80	188	734930	19.64	ng/ul	-0.09
79) Pyrene-d10	19.20	212	222034	5.09	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.96	264	168590	4.73	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	6.54	77	21861	3.735	ng/ul# 70
14) Acetophenone	8.20	105	32321	2.455	ng/ul# 93
28) Naphthalene	10.18	128	765362	25.939	ng/ul 98
34) 2-Methylnaphthalene	11.82	142	5580606	269.108	ng/ul 98
35) 1-Methylnaphthalene	12.05	142	4788350	248.382	ng/ul 98
41) 1,1'-Biphenyl	12.86	154	1375816	37.472	ng/ul 99
45) Dimethylphthalate	13.52	163	64992	1.799	ng/ul 99
48) Acenaphthylene	13.75	152	511948	11.517	ng/ul# 94
50) Acenaphthene	14.14	153	22265238	725.872	ng/ul 95
54) Dibenzofuran	14.36	168	356852	8.241	ng/ul# 52
55) 2,4-Dinitrotoluene	14.46	165	16889	1.552	ng/ul# 1
59) Fluorene	15.13	166	17300007	484.008	ng/ul 98
61) 4-Nitroaniline	15.13	138	214892	28.072	ng/ul# 16
65) N-Nitrosodiphenylamine	15.32	169	49686	1.968	ng/ul# 1
70) Phenanthrene	16.94	178	4695071	101.858	ng/ul 100
72) Anthracene	16.94	178	4728094	100.075	ng/ul 99
75) Carbazole	17.20	167	214735	5.470	ng/ul# 93
77) Fluoranthene	18.88	202	9567253	189.984	ng/ul 99
80) Pyrene	19.24	202	6789067	115.983	ng/ul 99
83) Benzo(a)anthracene	21.04	228	2840861	50.089	ng/ul 94
85) Chrysene	21.04	228	2848684	51.739	ng/ul 98
88) Benzo(b)fluoranthene	22.49	252	3289647	74.457	ng/ul 99
89) Benzo(k)fluoranthene	22.52	252	1133707	26.677	ng/ul 99

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062320\
Quantitation Report (Not Reviewed)

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Quant Time: Jun 25 02:59:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 23 10:25:31 2020
Response via : Initial Calibration

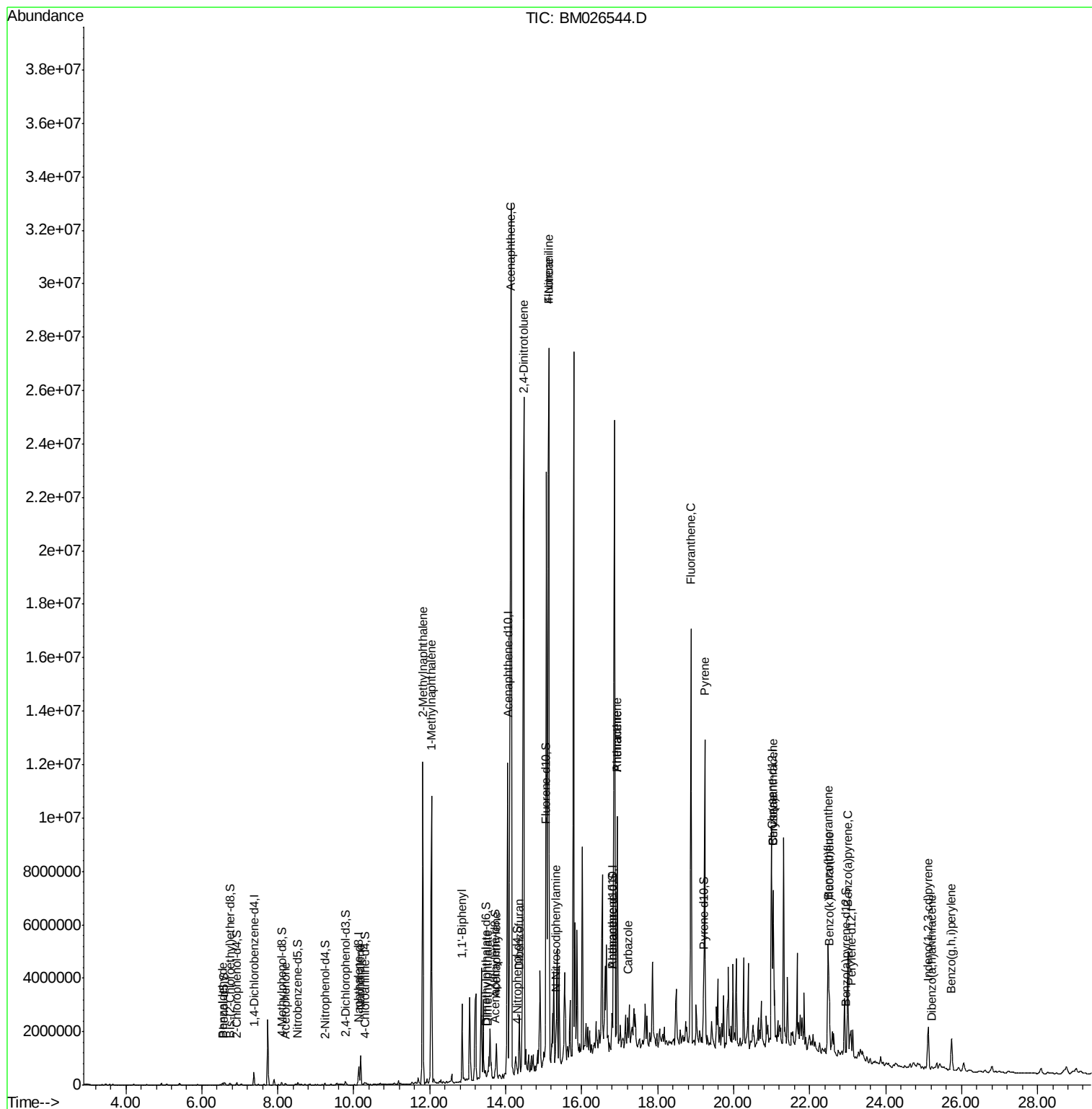
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.01	252	2180024	56.011	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.12	276	1386288	27.173	ng/ul	97
93) Dibenzo(a,h)anthracene	25.21	278	90317	2.122	ng/ul	93
94) Benzo(g,h,i)perylene	25.74	276	1219742	28.621	ng/ul	100

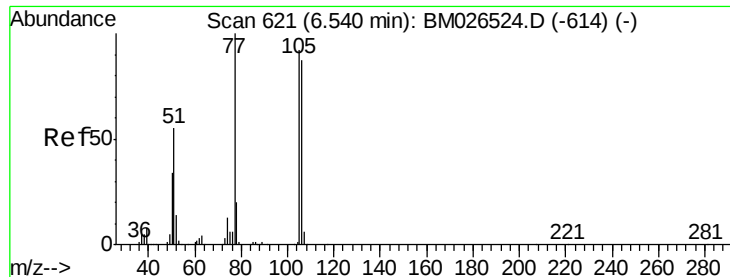
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 3.735 ng/ul

RT: 6.54 min Scan# 621

Delta R.T. -0.00 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

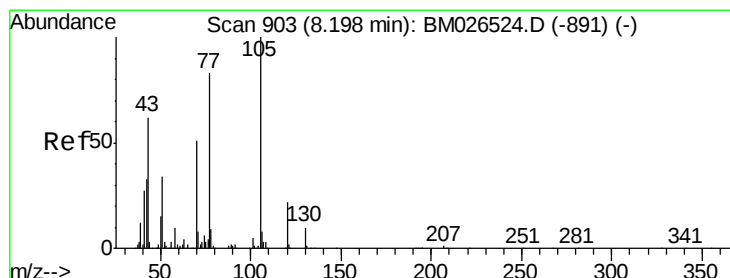
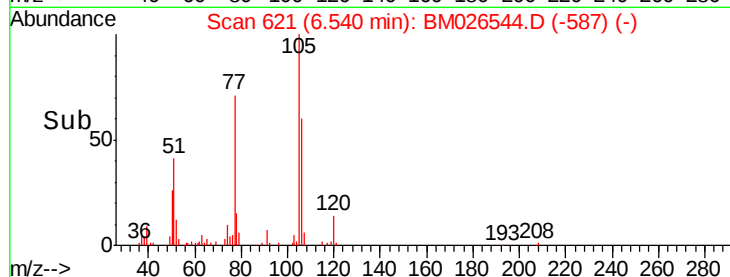
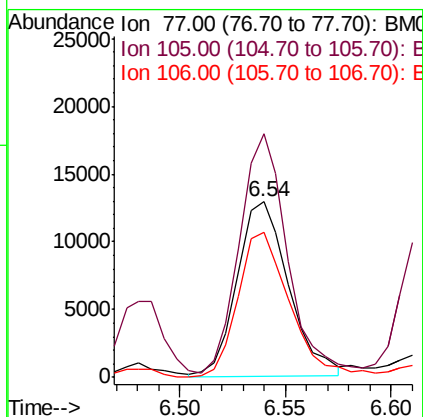
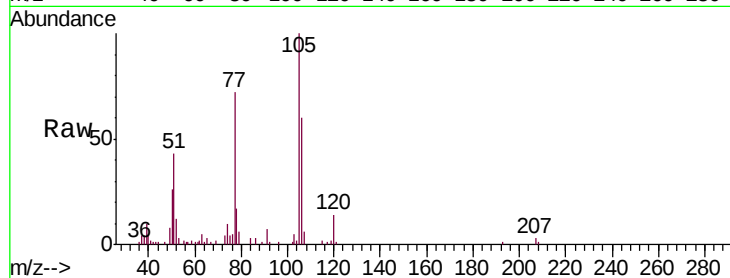
Tgt Ion: 77 Resp: 21861

Ion Ratio Lower Upper

77 100

105 138.9 68.6 102.8#

106 82.8 66.2 99.2



#14

Acetophenone

Concen: 2.455 ng/ul

RT: 8.20 min Scan# 903

Delta R.T. -0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

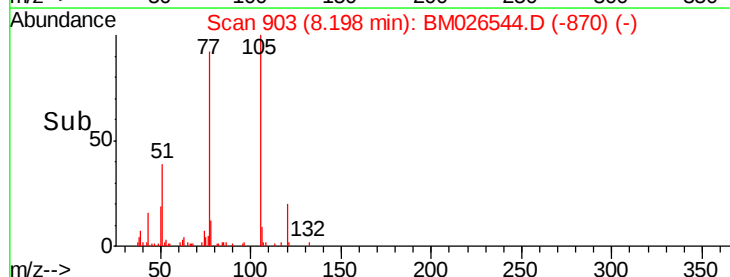
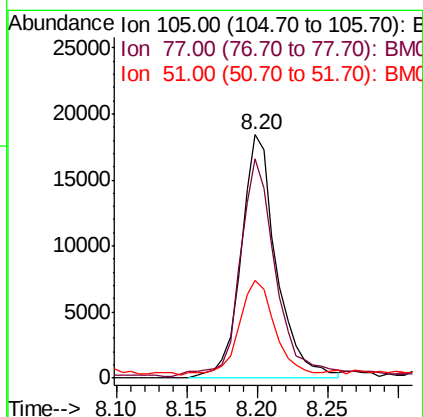
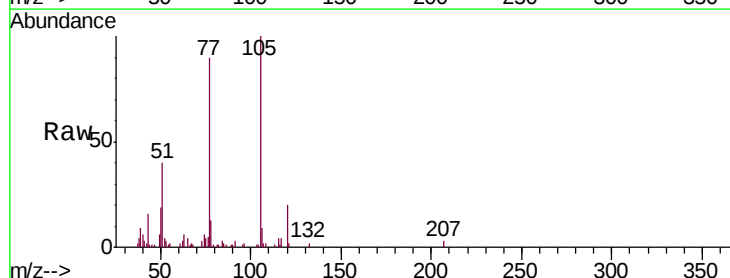
Tgt Ion: 105 Resp: 32321

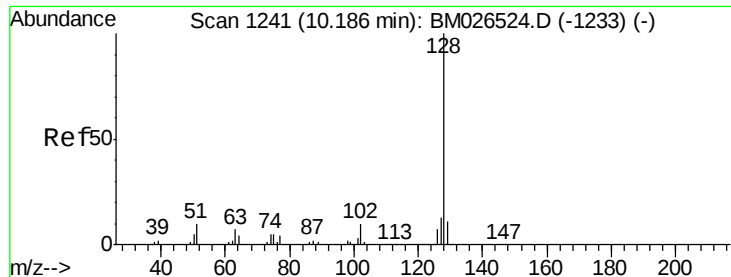
Ion Ratio Lower Upper

105 100

77 90.1 68.9 103.3

51 40.4 26.5 39.7#

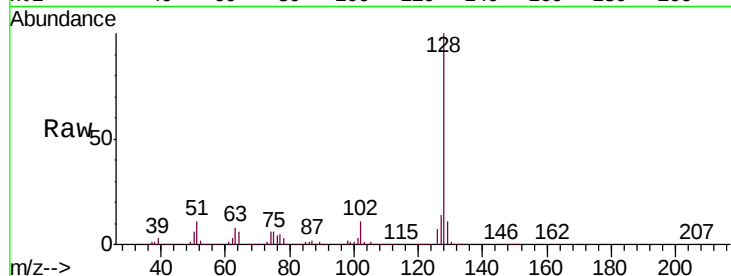




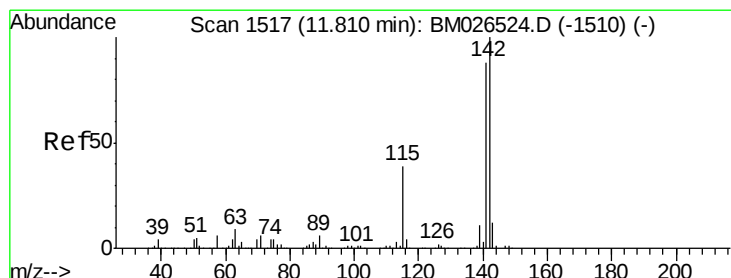
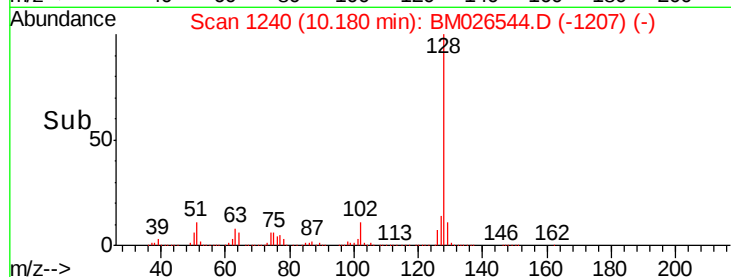
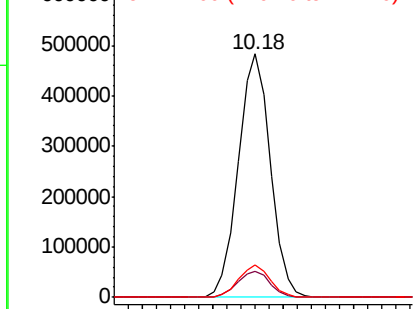
#28
Naphthalene
Concen: 25.939 ng/ul
RT: 10.18 min Scan# 1240
Delta R.T. -0.01 min
Lab File: BM026544.D
Acq: 25 Jun 2020 01:14

Instrument :
BNA_M
ClientSampleId :
ET161

Tgt Ion:128 Resp: 765362
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.6 10.1 15.1

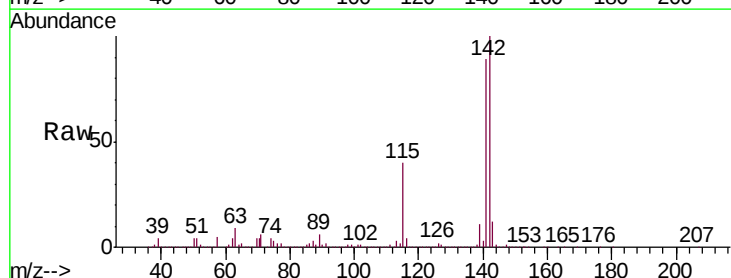


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

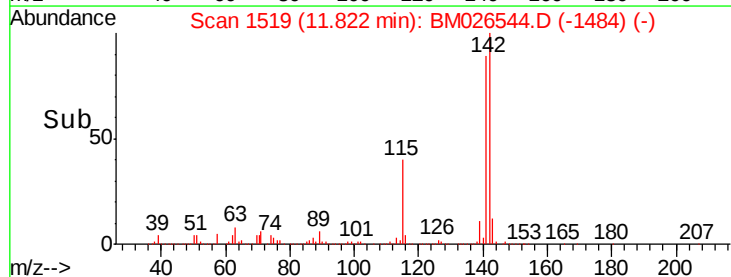
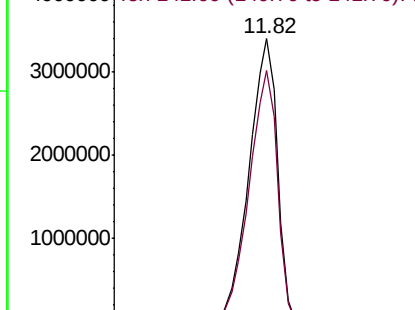


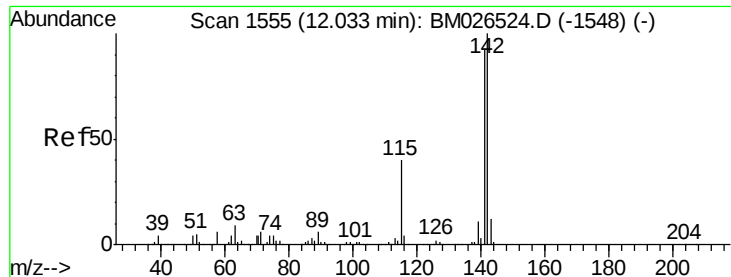
#34
2-Methylnaphthalene
Concen: 269.108 ng/ul
RT: 11.82 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BM026544.D
Acq: 25 Jun 2020 01:14

Tgt Ion:142 Resp: 5580606
Ion Ratio Lower Upper
142 100
141 88.6 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

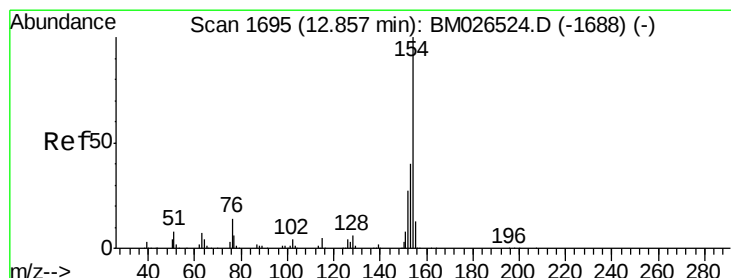
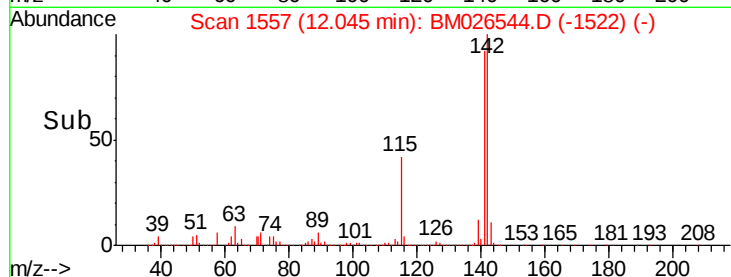
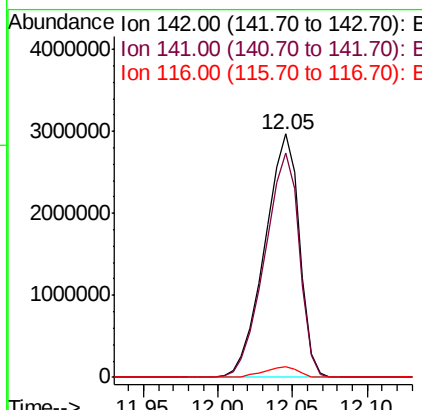
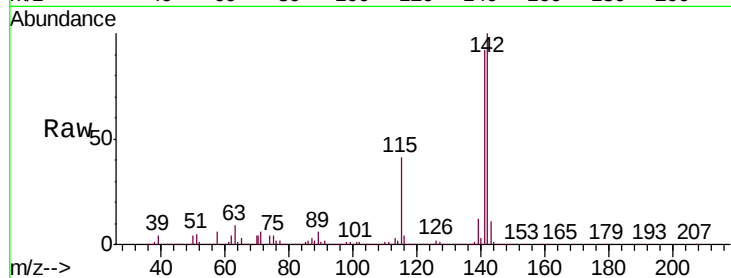




#35
 1-Methylnaphthalene
 Concen: 248.382 ng/ul
 RT: 12.05 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BM026544.D
 Acq: 25 Jun 2020 01:14

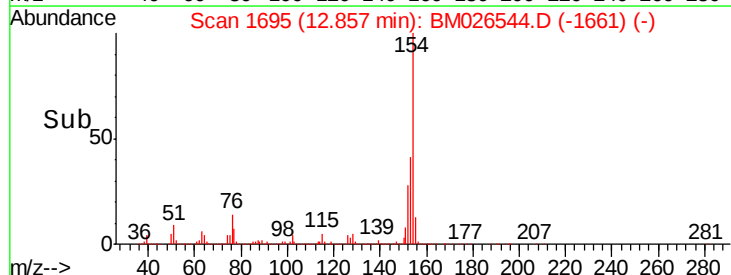
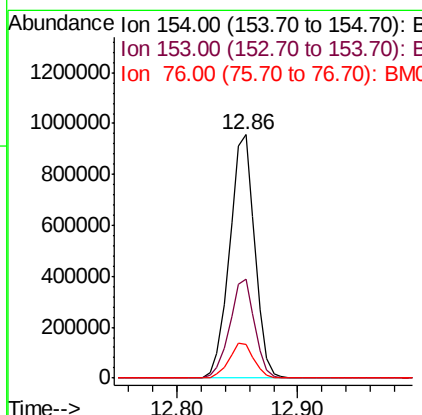
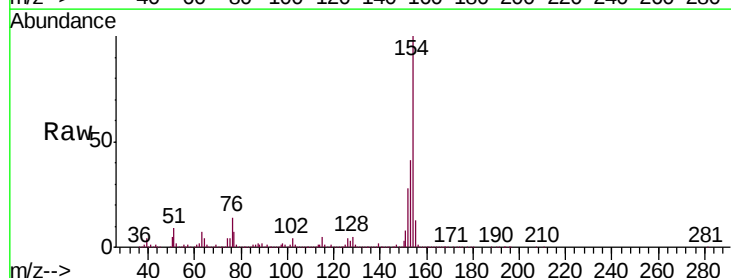
Instrument :
 BNA_M
 ClientSampleId :
 ET161

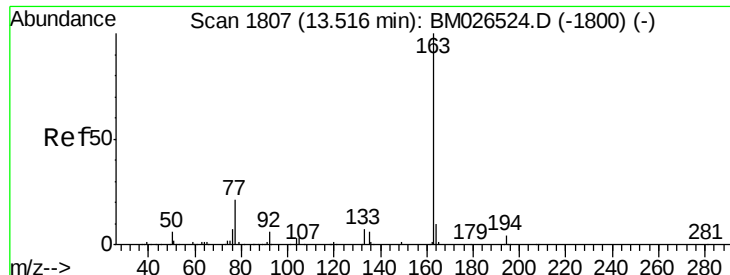
Tgt Ion:142 Resp: 4788350
 Ion Ratio Lower Upper
 142 100
 141 92.1 75.3 112.9
 116 4.2 3.3 4.9



#41
 1,1'-Biphenyl
 Concen: 37.472 ng/ul
 RT: 12.86 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: BM026544.D
 Acq: 25 Jun 2020 01:14

Tgt Ion:154 Resp: 1375816
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.6 49.0
 76 13.9 11.8 17.8





#45

Dimethylphthalate

Concen: 1.799 ng/ul

RT: 13.52 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

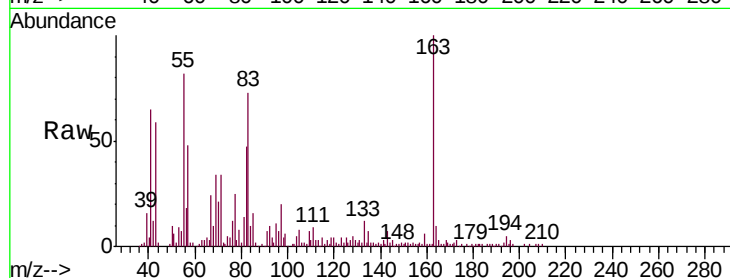
Tgt Ion:163 Resp: 64992

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

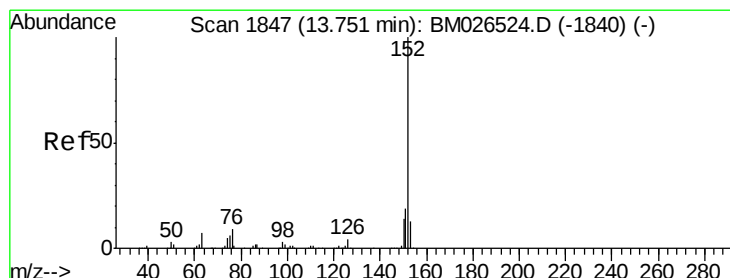
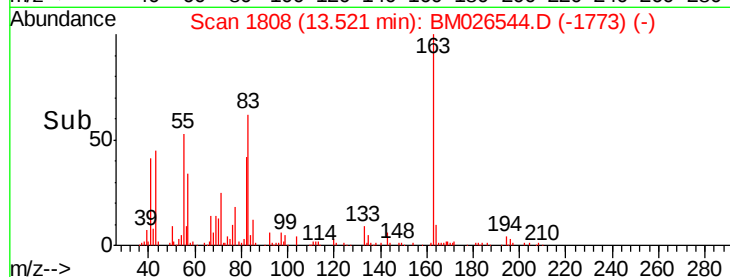
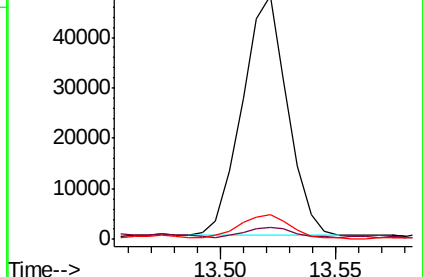
164 10.2 7.8 11.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 11.517 ng/ul

RT: 13.75 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

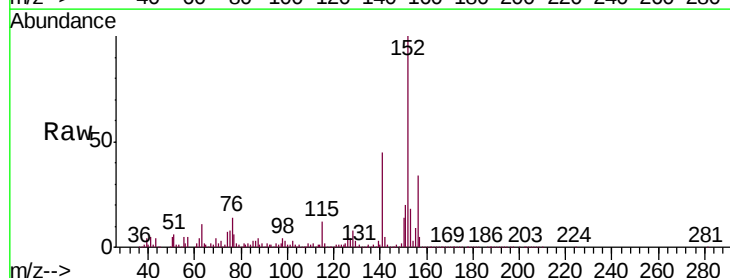
Tgt Ion:152 Resp: 511948

Ion Ratio Lower Upper

152 100

151 20.4 15.4 23.2

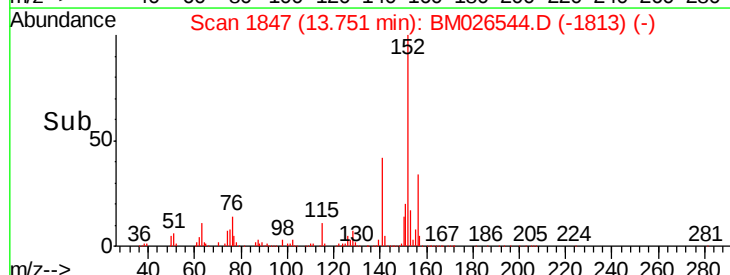
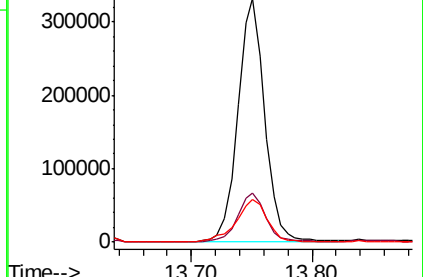
153 17.6 10.4 15.6#

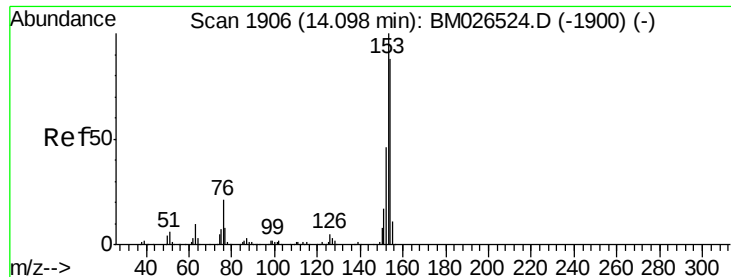


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 725.872 ng/ul

RT: 14.14 min Scan# 1914

Delta R.T. 0.04 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

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ClientSampleId :

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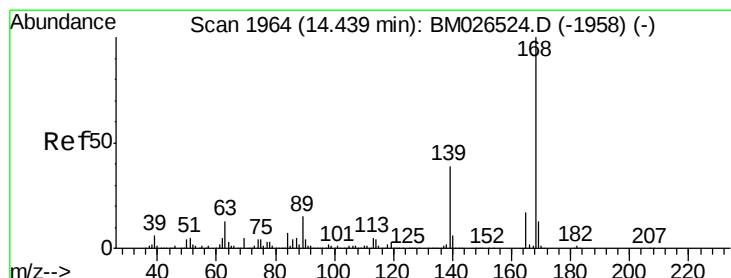
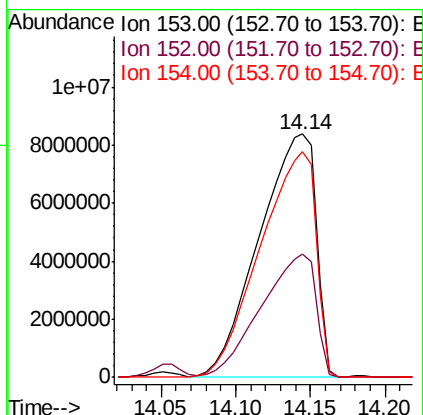
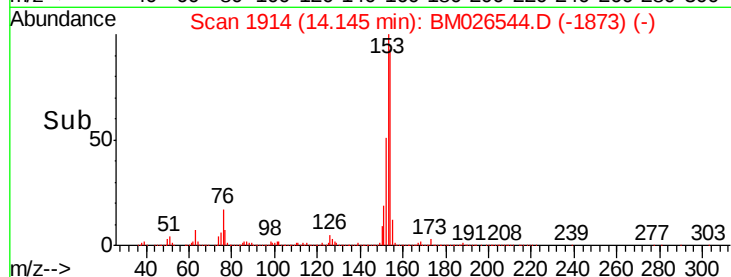
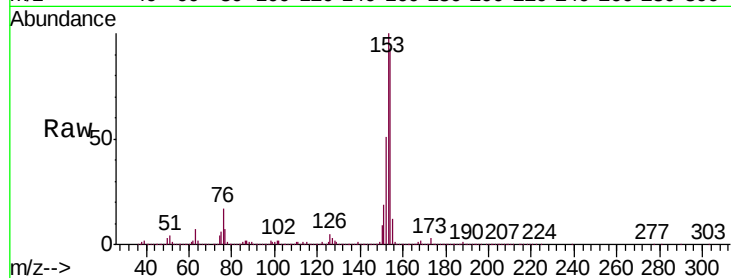
Tgt Ion:153 Resp:22265238

Ion Ratio Lower Upper

153 100

152 50.7 36.4 54.6

154 92.7 71.0 106.4



#54

Dibenzofuran

Concen: 8.241 ng/ul

RT: 14.36 min Scan# 1950

Delta R.T. -0.09 min

Lab File: BM026544.D

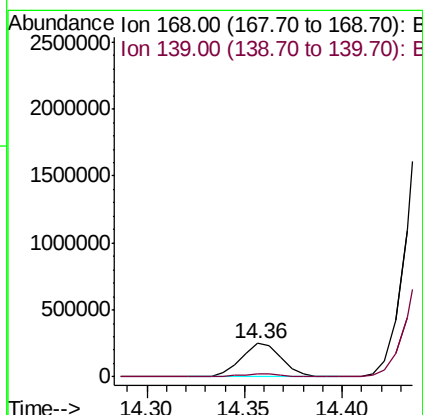
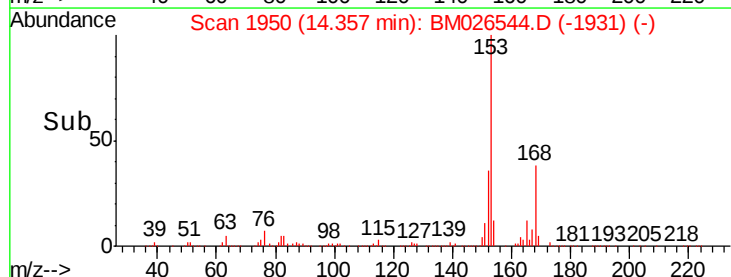
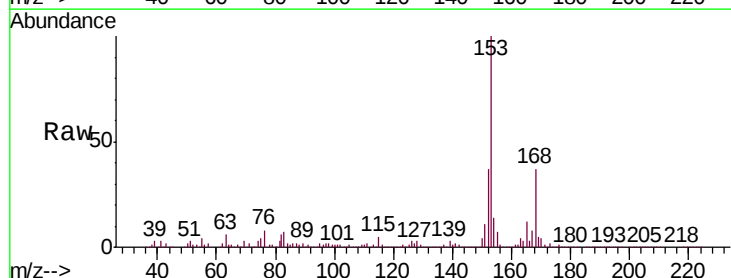
Acq: 25 Jun 2020 01:14

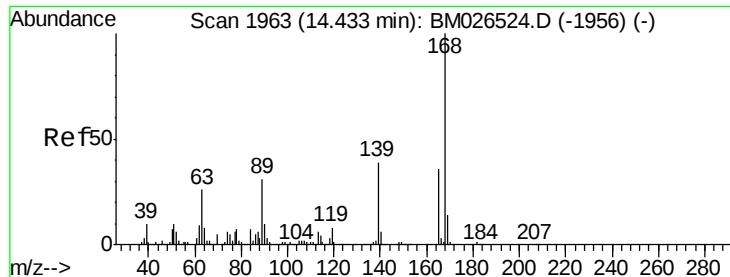
Tgt Ion:168 Resp: 356852

Ion Ratio Lower Upper

168 100

139 9.5 31.1 46.7#

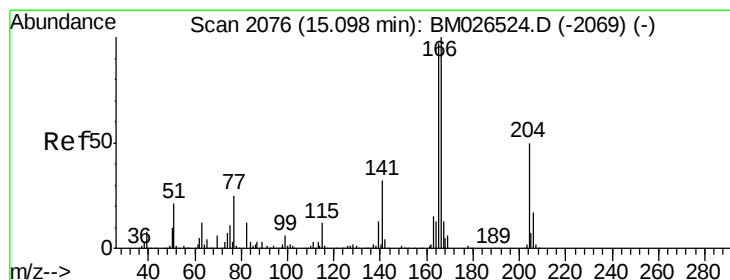
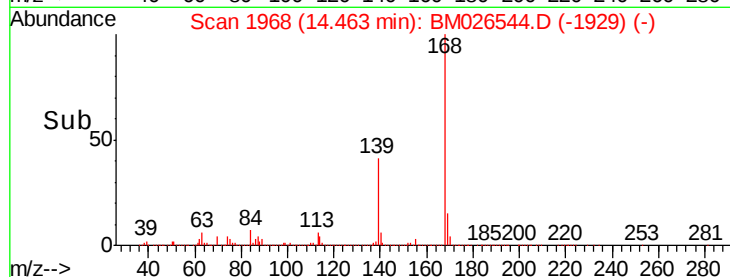
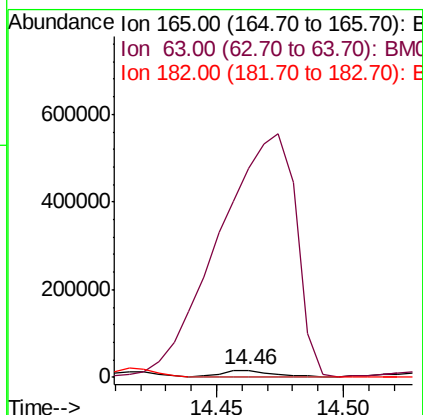
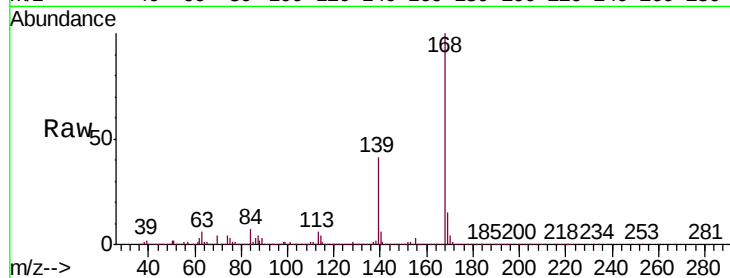




#55
2,4-Dinitrotoluene
Concen: 1.552 ng/ul
RT: 14.46 min Scan# 1968
Delta R.T. 0.03 min
Lab File: BM026544.D
Acq: 25 Jun 2020 01:14

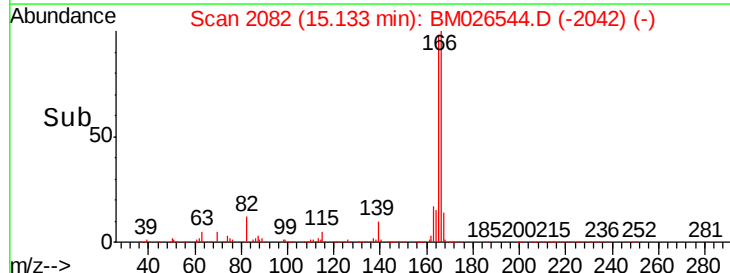
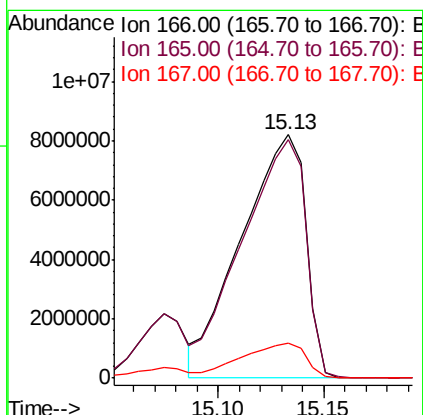
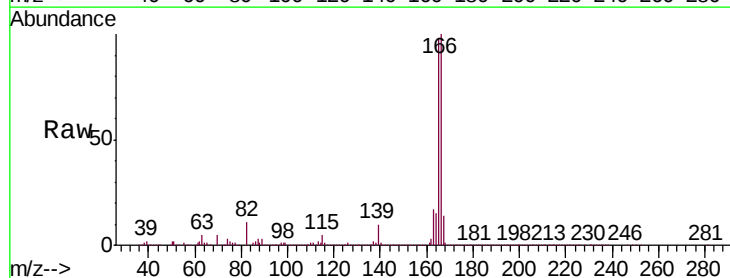
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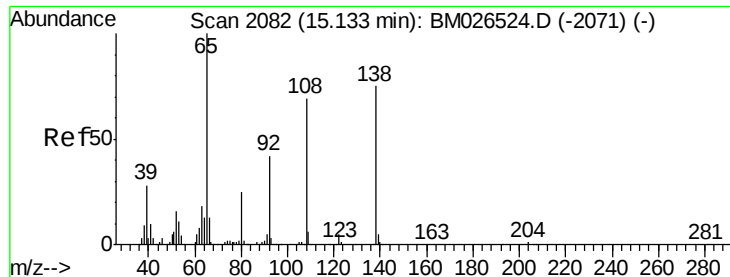
Tgt Ion:165 Resp: 16889
Ion Ratio Lower Upper
165 100
63 2834.3 48.0 72.0#
182 11.5 2.3 3.5#



#59
Fluorene
Concen: 484.008 ng/ul
RT: 15.13 min Scan# 2082
Delta R.T. 0.04 min
Lab File: BM026544.D
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Tgt Ion:166 Resp:17300007
Ion Ratio Lower Upper
166 100
165 97.9 77.0 115.4
167 14.2 10.6 16.0

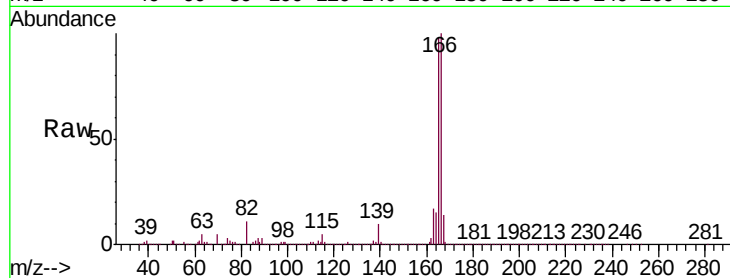




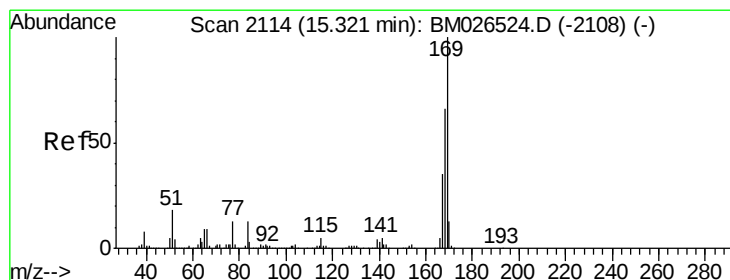
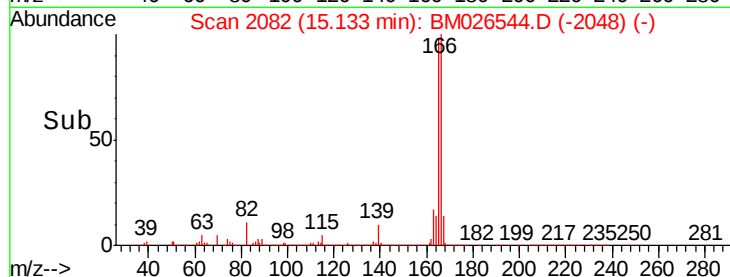
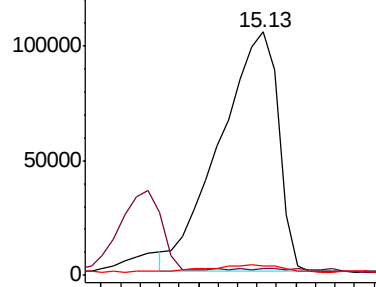
#61
4-Nitroaniline
Concen: 28.072 ng/ul
RT: 15.13 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BM026544.D
Acq: 25 Jun 2020 01:14

Instrument :
BNA_M
ClientSampleId :
ET161

Tgt Ion:138 Resp: 214892
Ion Ratio Lower Upper
138 100
92 2.6 45.8 68.6#
108 4.0 70.0 105.0#

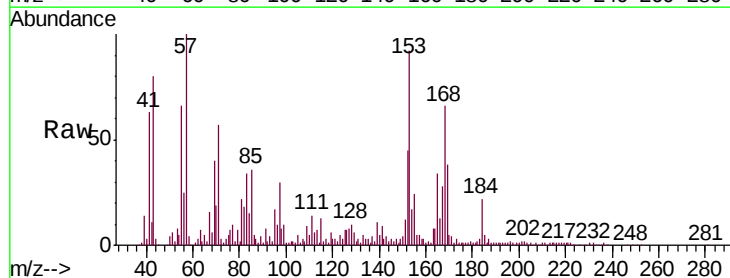


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

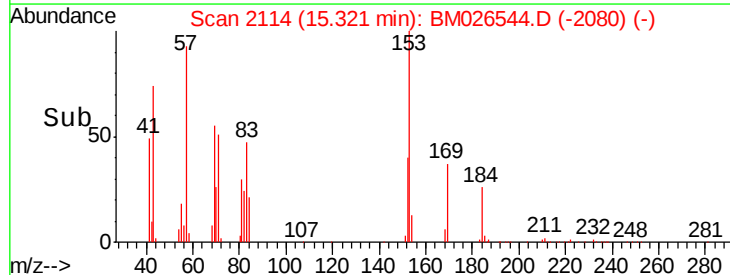
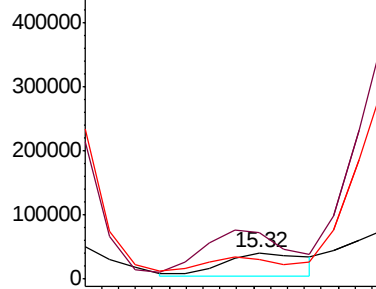


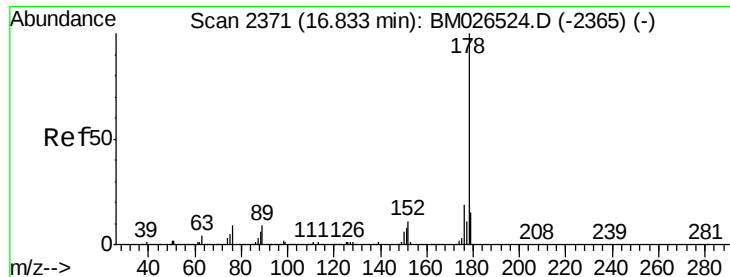
#65
N-Nitrosodiphenylamine
Concen: 1.968 ng/ul
RT: 15.32 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BM026544.D
Acq: 25 Jun 2020 01:14

Tgt Ion:169 Resp: 49686
Ion Ratio Lower Upper
169 100
168 174.1 52.6 79.0#
167 75.3 28.2 42.4#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 101.858 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. 0.11 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

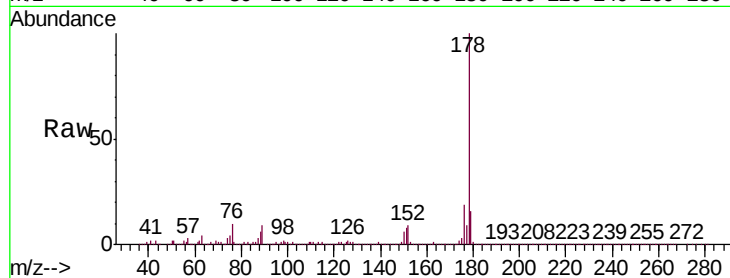
Tgt Ion:178 Resp: 4695071

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

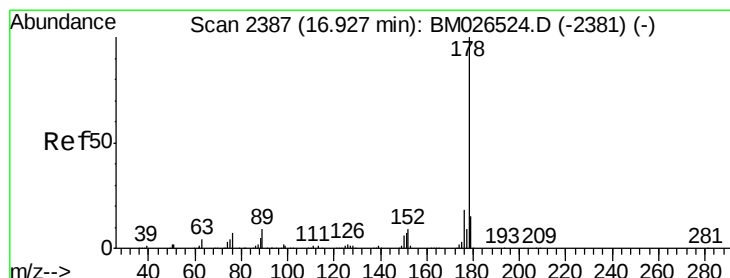
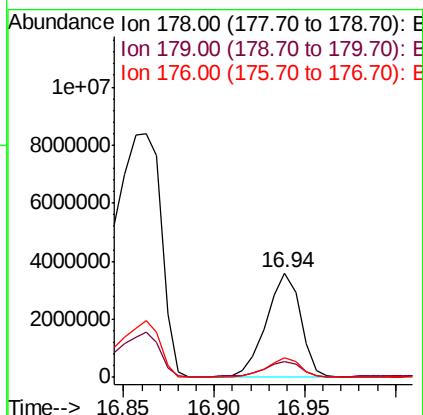
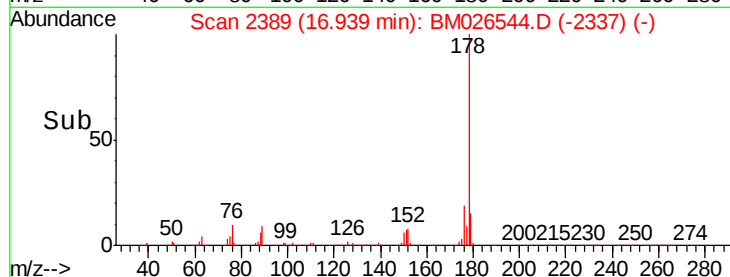
176 18.5 15.0 22.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 100.075 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

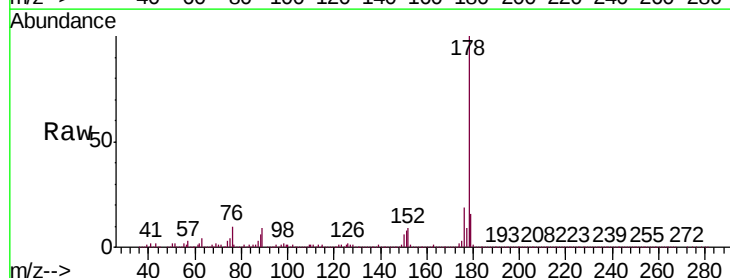
Tgt Ion:178 Resp: 4728094

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

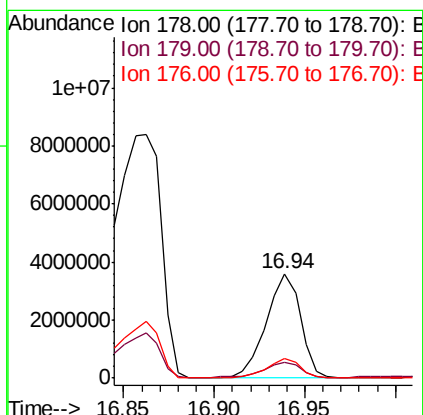
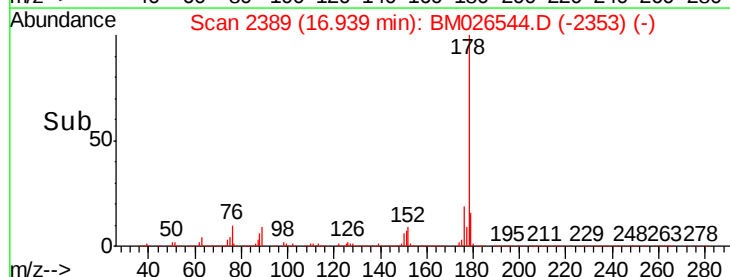
176 18.5 14.3 21.5

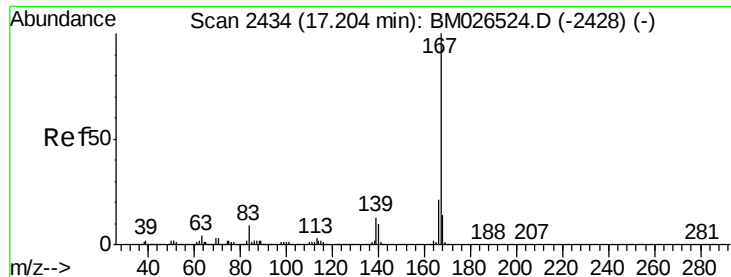


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 5.470 ng/ul

RT: 17.20 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

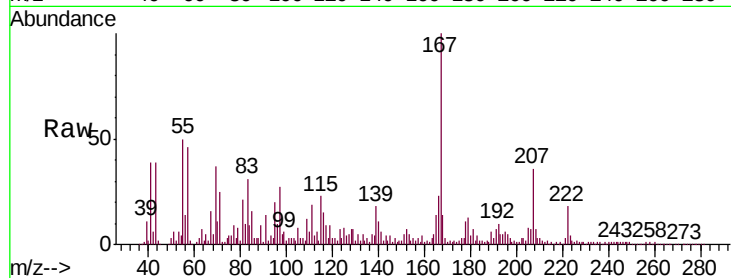
Tgt Ion:167 Resp: 214735

Ion Ratio Lower Upper

167 100

166 23.0 16.8 25.2

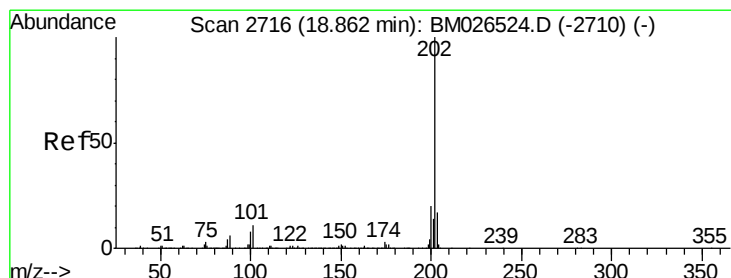
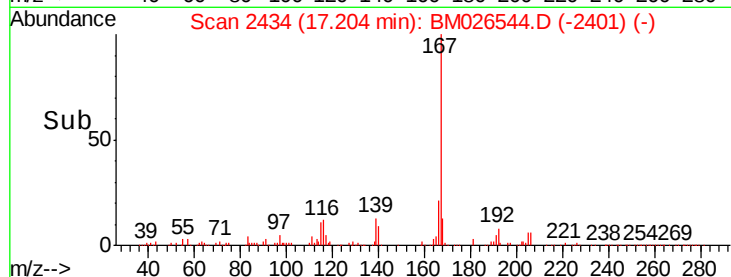
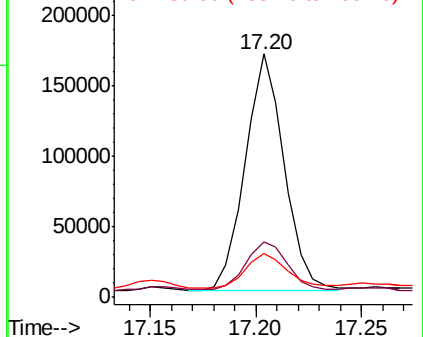
139 18.1 10.5 15.7#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 189.984 ng/ul

RT: 18.88 min Scan# 2719

Delta R.T. 0.02 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

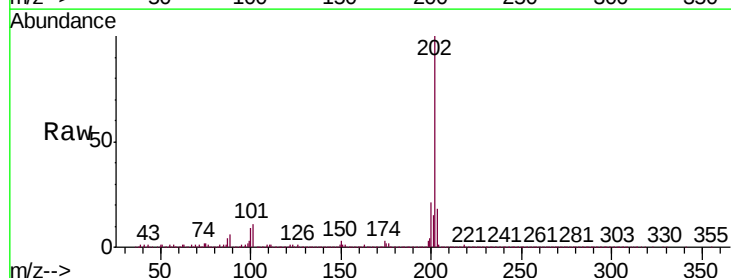
Tgt Ion:202 Resp: 9567253

Ion Ratio Lower Upper

202 100

101 11.4 8.6 12.8

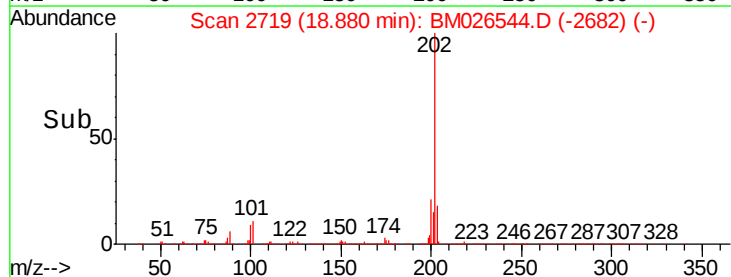
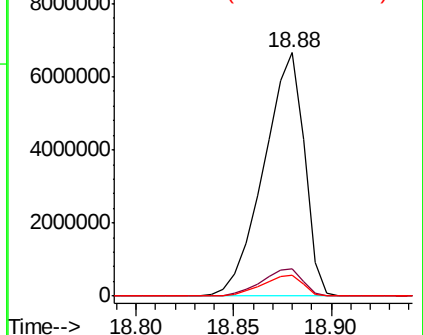
100 8.7 6.8 10.2

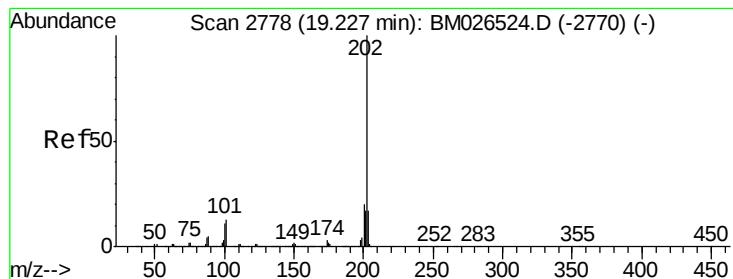


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 115.983 ng/ul

RT: 19.24 min Scan# 2780

Delta R.T. 0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

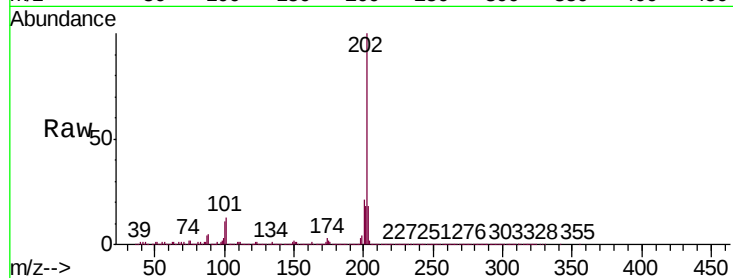
Tgt Ion:202 Resp: 6789067

Ion Ratio Lower Upper

202 100

101 13.2 10.9 16.3

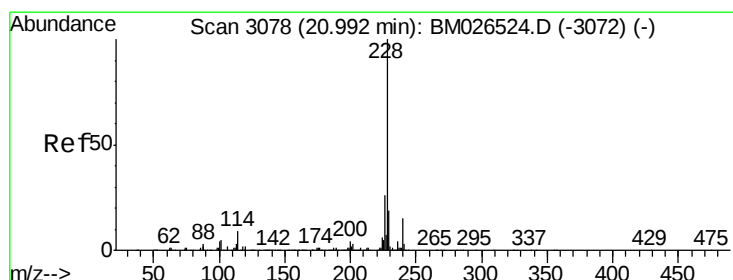
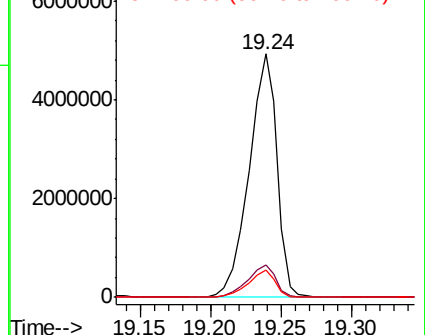
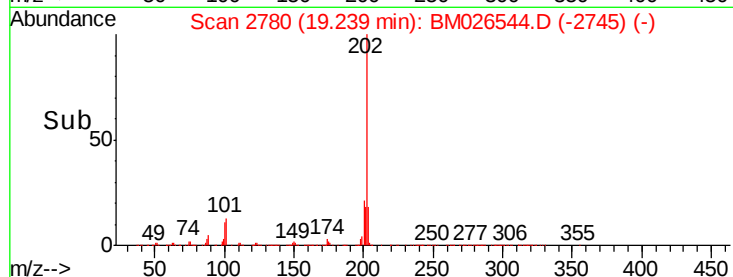
100 11.2 9.0 13.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#83

Benzo(a)anthracene

Concen: 50.089 ng/ul

RT: 21.04 min Scan# 3087

Delta R.T. 0.05 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

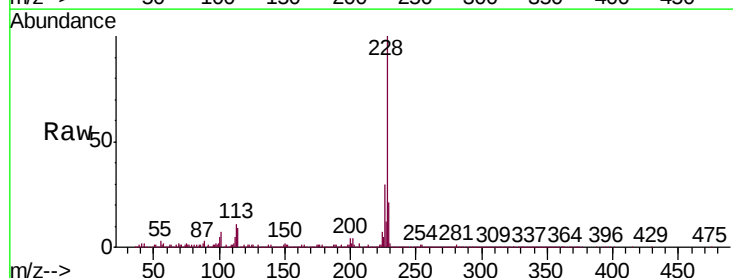
Tgt Ion:228 Resp: 2840861

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.2

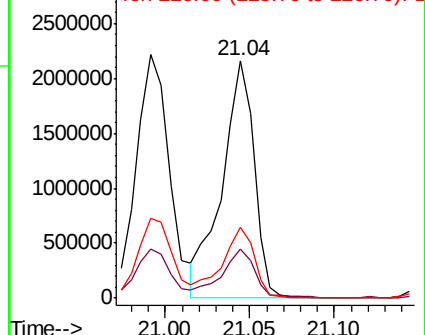
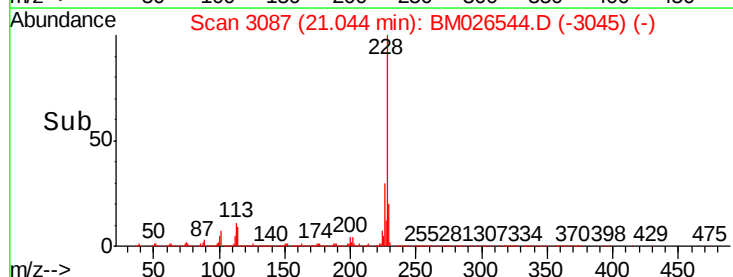
226 30.1 21.0 31.4

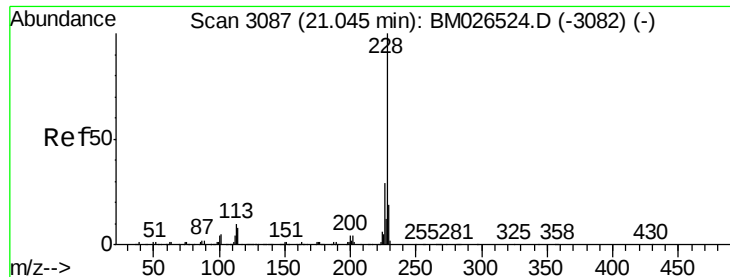


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 51.739 ng/ul

RT: 21.04 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

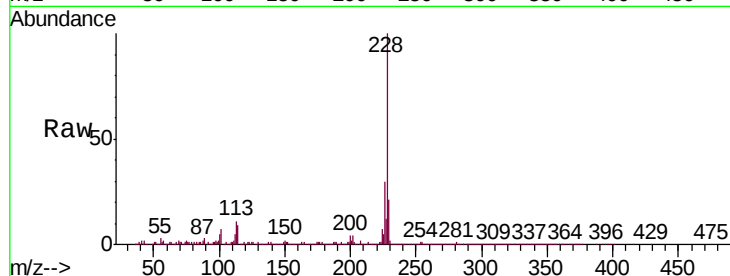
Tgt Ion:228 Resp: 2848684

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

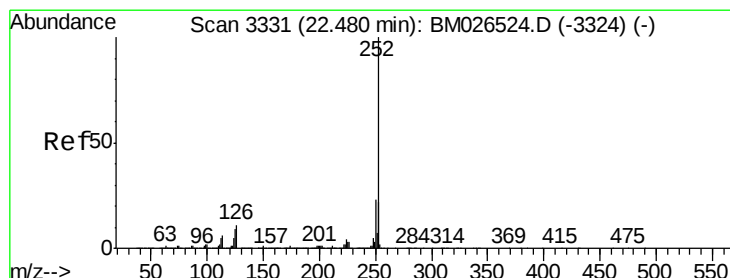
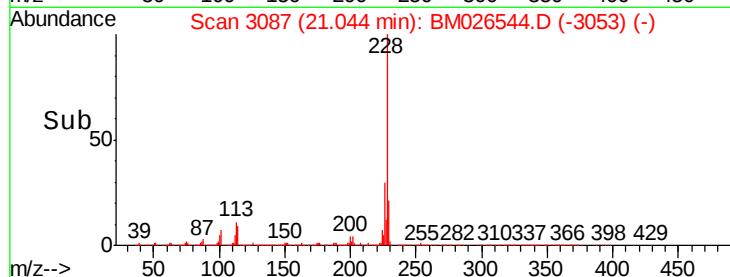
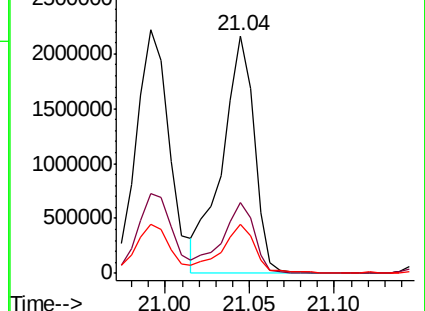
229 20.7 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 74.457 ng/ul

RT: 22.49 min Scan# 3333

Delta R.T. 0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

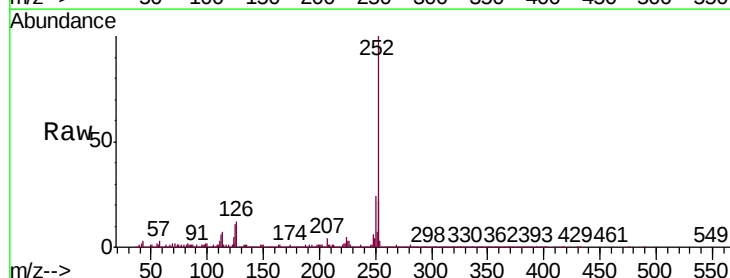
Tgt Ion:252 Resp: 3289647

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

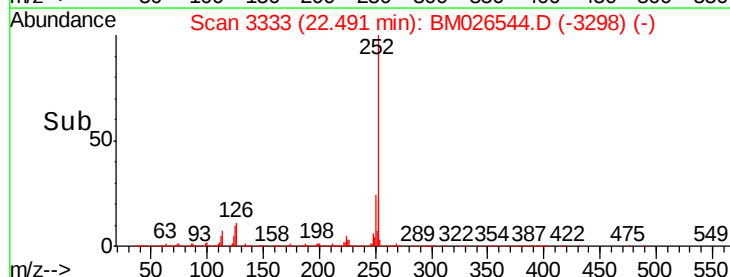
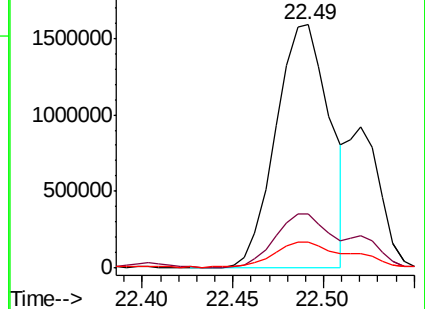
125 10.6 7.4 11.2

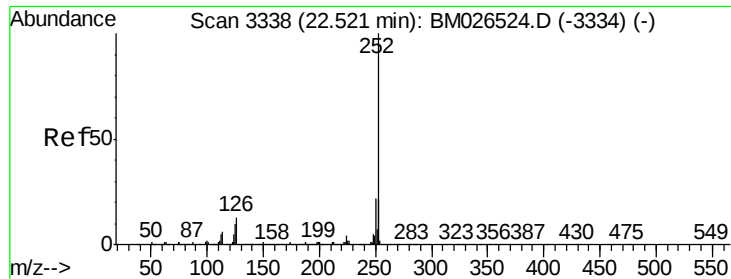


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 26.677 ng/ul

RT: 22.52 min Scan# 3338

Delta R.T. -0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

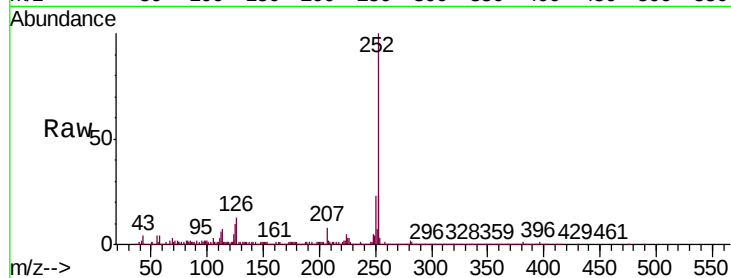
Tgt Ion:252 Resp: 1133707

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

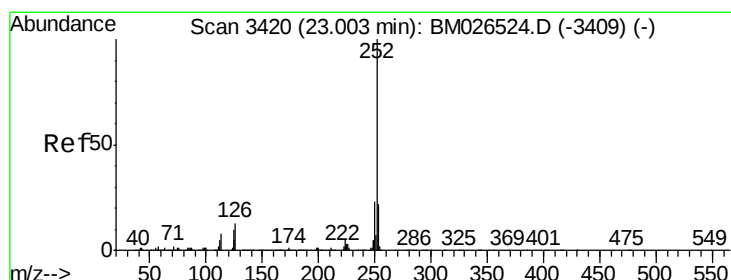
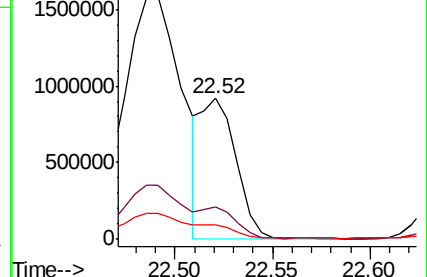
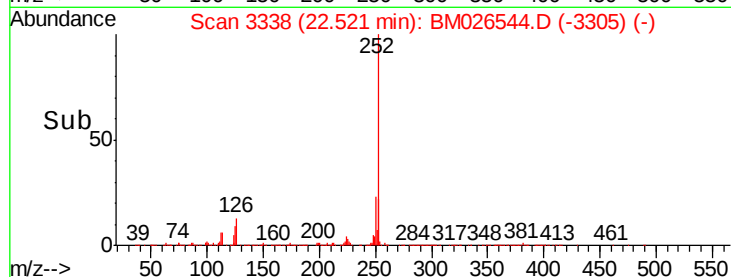
125 10.3 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 56.011 ng/ul

RT: 23.01 min Scan# 3421

Delta R.T. -0.00 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

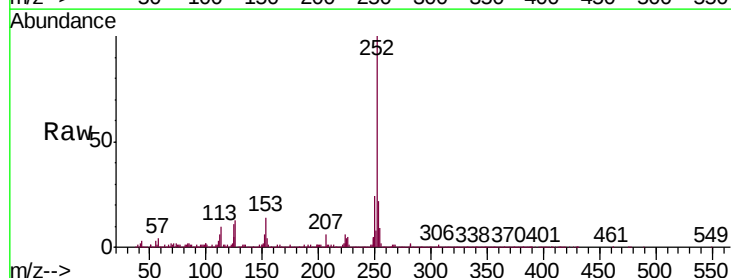
Tgt Ion:252 Resp: 2180024

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

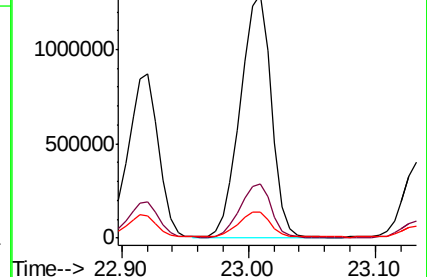
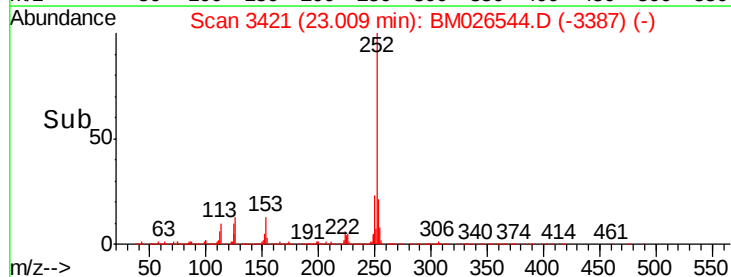
125 10.7 8.7 13.1

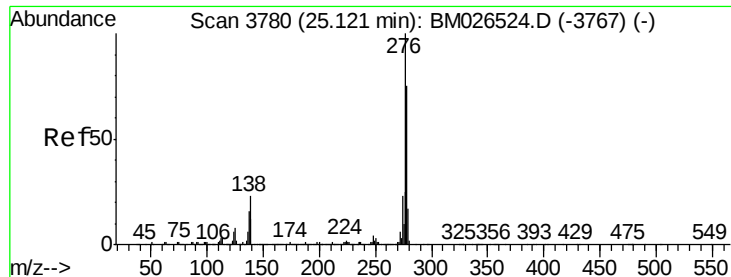


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



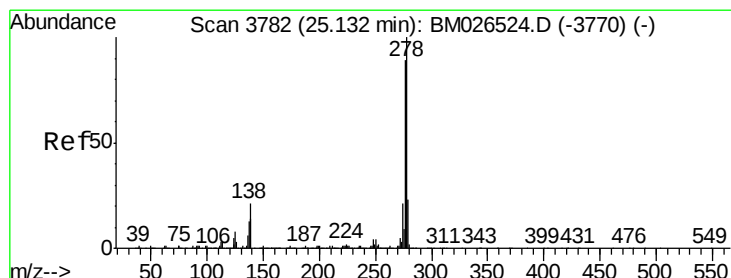
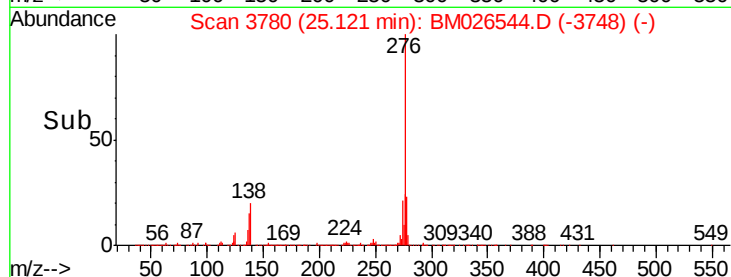
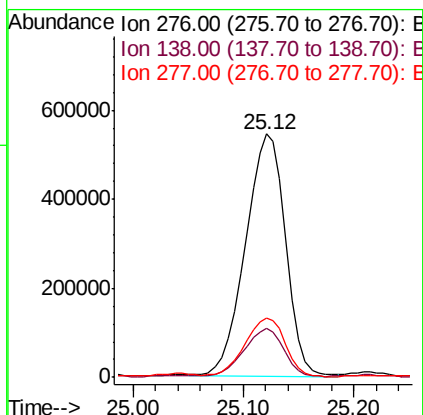
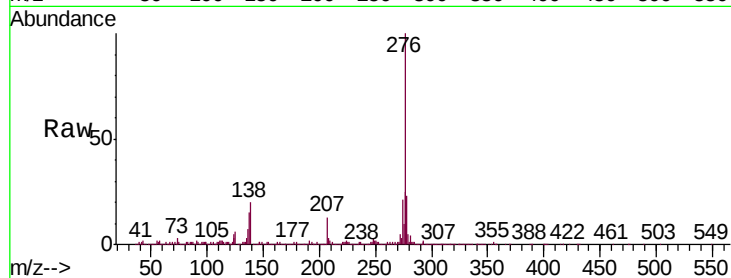


#92

Indeno(1,2,3-cd)pyrene
Concen: 27.173 ng/ul
RT: 25.12 min Scan# 3780
Delta R.T. -0.01 min
Lab File: BM026544.D
Acq: 25 Jun 2020 01:14

Instrument :
BNA_M
ClientSampleId :
ET161

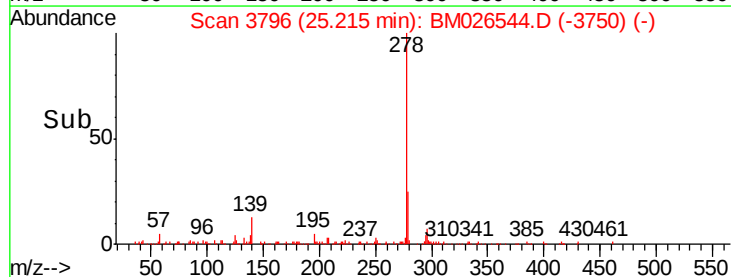
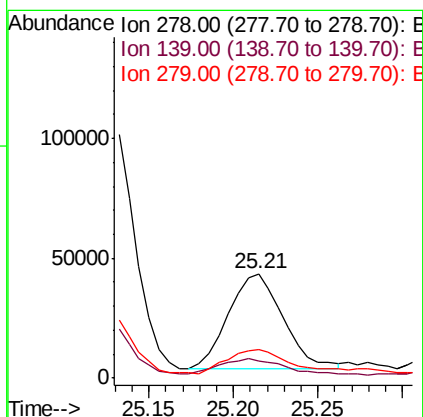
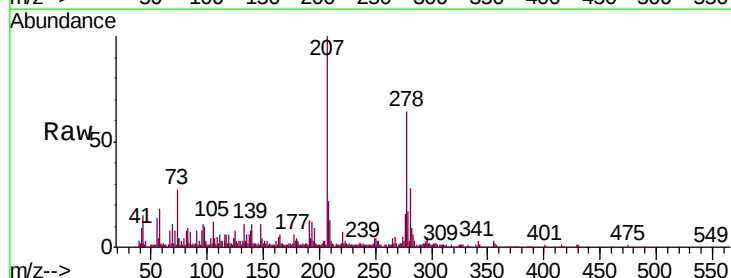
Tgt Ion:276 Resp: 1386288
Ion Ratio Lower Upper
276 100
138 20.2 18.3 27.5
277 24.6 19.3 28.9

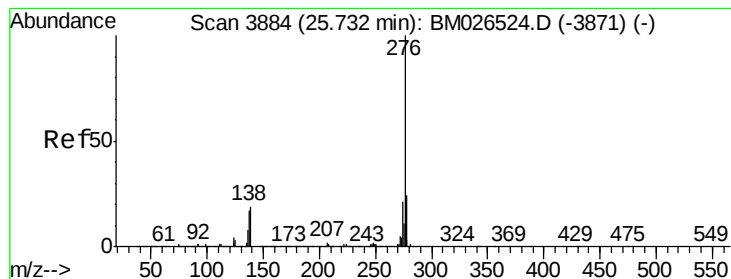


#93

Dibenzo(a,h)anthracene
Concen: 2.122 ng/ul
RT: 25.21 min Scan# 3796
Delta R.T. 0.07 min
Lab File: BM026544.D
Acq: 25 Jun 2020 01:14

Tgt Ion:278 Resp: 90317
Ion Ratio Lower Upper
278 100
139 17.0 11.8 17.8
279 27.0 18.4 27.6





#94

Benzo(g,h,i)perylene

Concen: 28.621 ng/ul

RT: 25.74 min Scan# 3885

Delta R.T. -0.01 min

Lab File: BM026544.D

Acq: 25 Jun 2020 01:14

Instrument :

BNA_M

ClientSampleId :

ET161

Tgt Ion:276 Resp: 1219742

Ion Ratio Lower Upper

276 100

138 19.9 15.8 23.8

277 24.5 19.8 29.8

