

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
 Data File : BM025676.D
 Acq On : 21 Mar 2020 00:20
 Operator : CG/JU
 Sample : L1972-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0AG9

Manual Integrations
 APPROVED

mohammad
 3/23/2020 9:42:12 AM

Quant Time: Mar 21 02:22:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 23:10:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	208506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	909279	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	559668	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	1133403	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	1076930	20.00	ng/ul	0.00
86) Perylene-d12	23.31	264	1293637	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	19002	3.82	ng/uL	0.00
5) Phenol-d5	6.76	99	386332	23.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	223752	23.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	330648	24.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	323807	23.95	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	164921	24.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	183316	25.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	344150	23.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	429223	25.16	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	1030470	24.23	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	1254229	24.61	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	161111	19.89	ng/ul	0.00
58) Fluorene-d10	15.22	176	899514	24.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.34	200	110778	16.02	ng/ul	0.00
71) Anthracene-d10	17.06	188	1328880	25.10	ng/ul	0.00
79) Pyrene-d10	19.36	212	1449541	28.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.17	264	1752149	26.46	ng/ul	0.00
Target Compounds						
6) Phenol	6.79	94	24700	1.437	ng/ul	91
45) Dimethylphthalate	13.68	163	103278	2.333	ng/ul	99
48) Acenaphthylene	13.93	152	62481	1.132	ng/ul	97
50) Acenaphthene	14.28	153	216215	5.763	ng/ul	98
54) Dibenzofuran	14.62	168	175638	3.300	ng/ul	96
59) Fluorene	15.27	166	324992	7.259	ng/ul	98
70) Phenanthrene	17.01	178	4450933	66.717	ng/ul	99
72) Anthracene	17.09	178	1056485	15.539	ng/ul	99
75) Carbazole	17.36	167	155980	2.625	ng/ul	98
77) Fluoranthene	19.03	202	5063628	64.392	ng/ul	99
80) Pyrene	19.39	202	3933640	54.386	ng/ul	99
83) Benzo(a)anthracene	21.14	228	1733148	24.410	ng/ul	98
85) Chrysene	21.19	228	1415883	20.325	ng/ul	98
88) Benzo(b)fluoranthene	22.67	252	1862023	23.069	ng/ul	99
89) Benzo(k)fluoranthene	22.71	252	616108m	7.748	ng/ul	
91) Benzo(a)pyrene	23.22	252	1384715	18.851	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.43	276	892696	9.202	ng/ul	96
93) Dibenzo(a,h)anthracene	25.44	278	214172m	2.607	ng/ul	
94) Benzo(g,h,i)perylene	26.08	276	597460	7.473	ng/ul	99

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

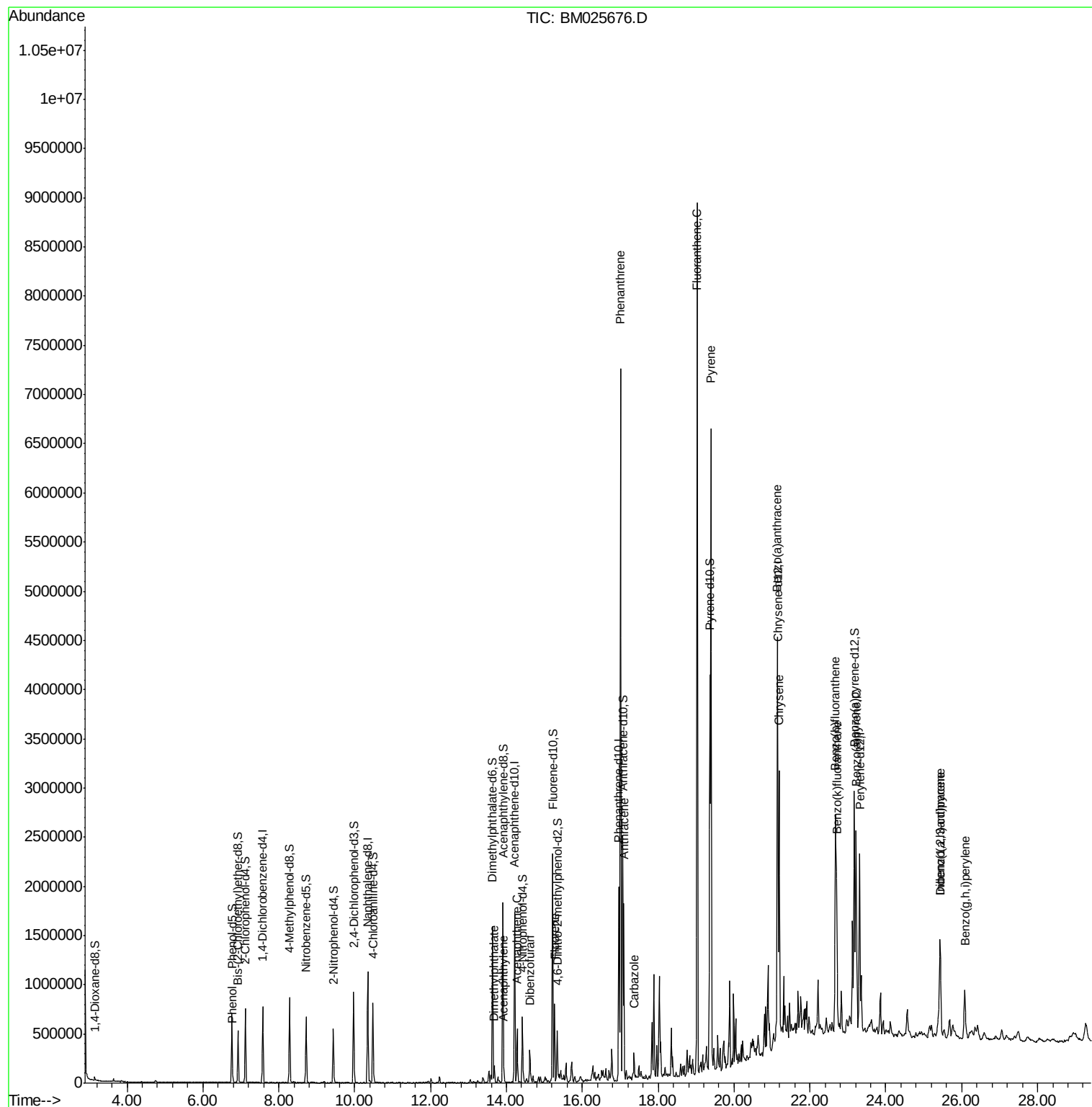
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025676.D
Acq On : 21 Mar 2020 00:20
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Misc :
ALS Vial : 23 Sample Multiplier: 1

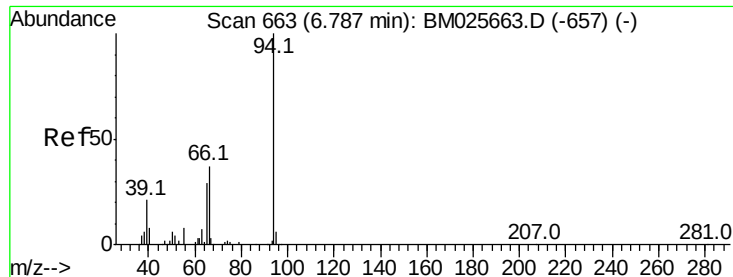
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 20 23:10:07 2020
Response via : Initial Calibration





#6

Phenol

Concen: 1.437 ng/ul

RT: 6.79 min Scan# 663

Delta R.T. -0.00 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

Instrument :

BNA_M

ClientSampleId :

B0AG9

Tot Ion: 94 Resp: 24700

Ion Ratio Lower Upper

94 100

65 24.6 23.8 35.6

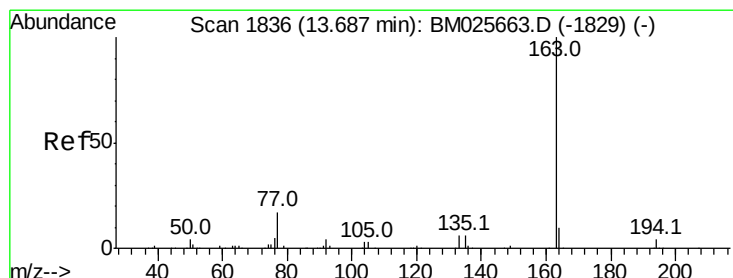
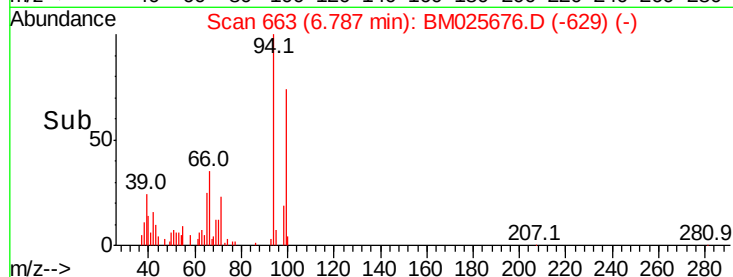
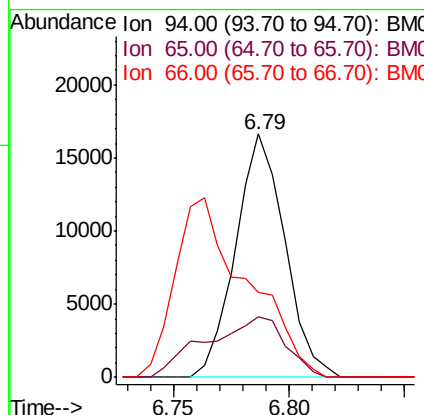
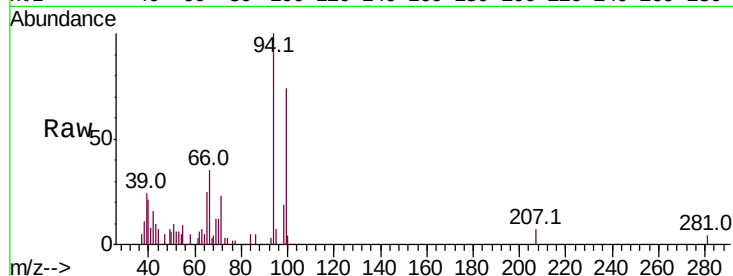
66 34.9 32.4 48.6

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#45

Dimethylphthalate

Concen: 2.333 ng/ul

RT: 13.68 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

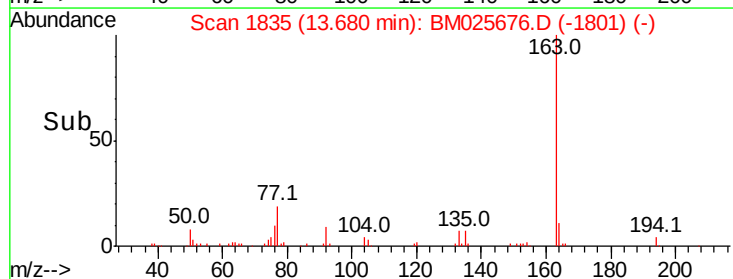
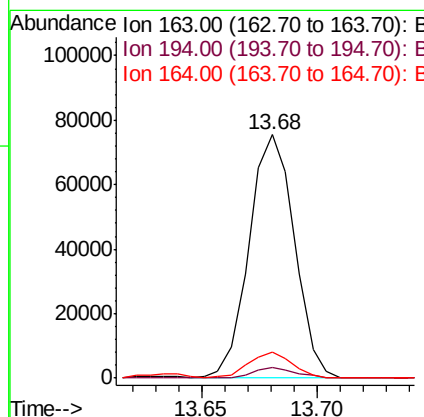
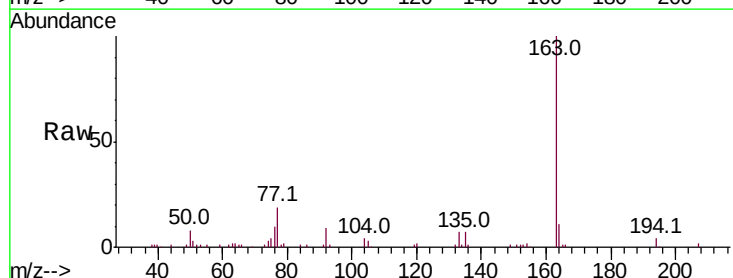
Tgt Ion: 163 Resp: 103278

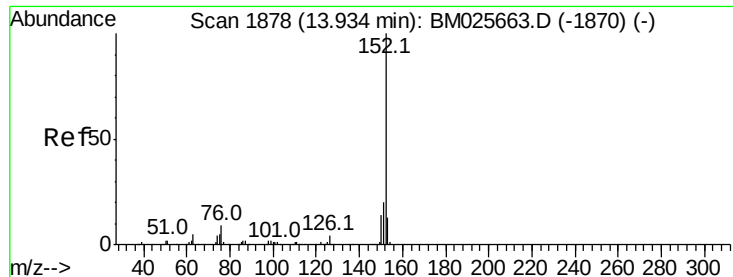
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 10.6 8.2 12.4





#48

Acenaphthylene

Concen: 1.132 ng/ul

RT: 13.93 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

Instrument :

BNA_M

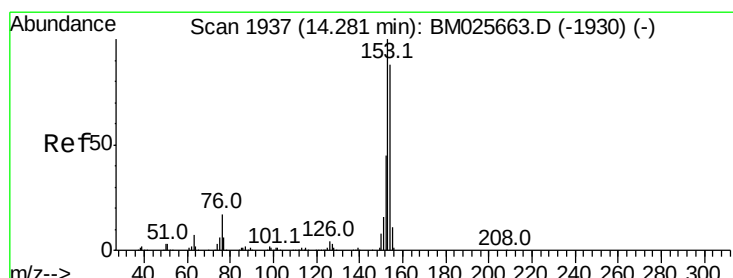
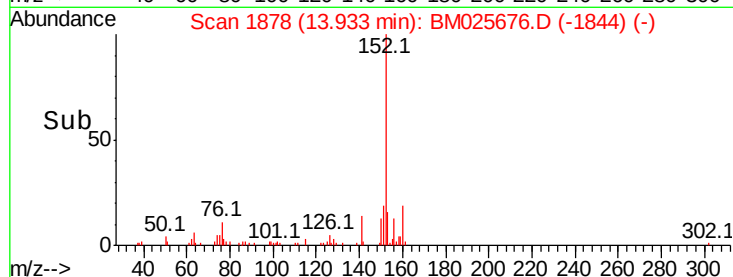
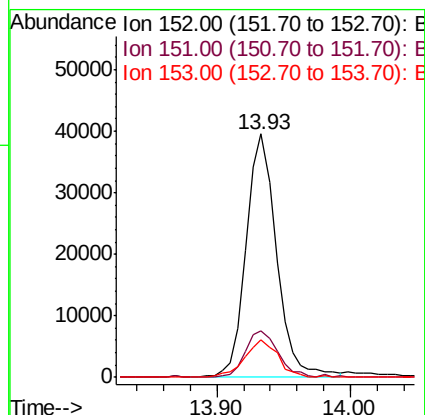
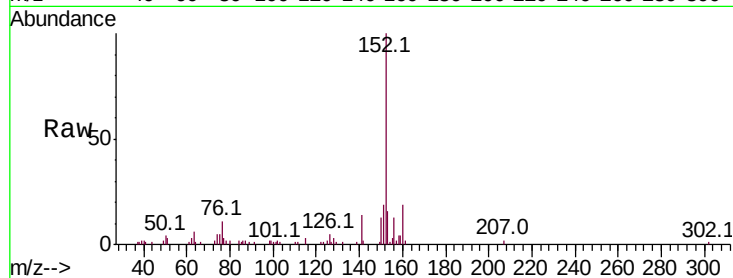
ClientSampled :

B0AG9

Tot Ion:	152	Resp:	62481
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.8	23.6
153	15.5	10.6	16.0

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#50

Acenaphthene

Concen: 5.763 ng/ul

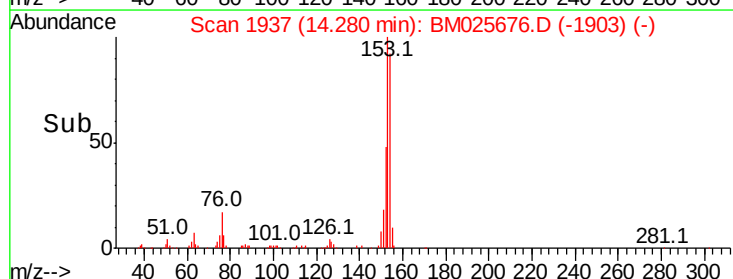
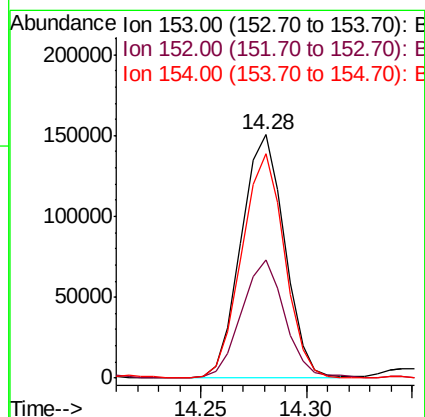
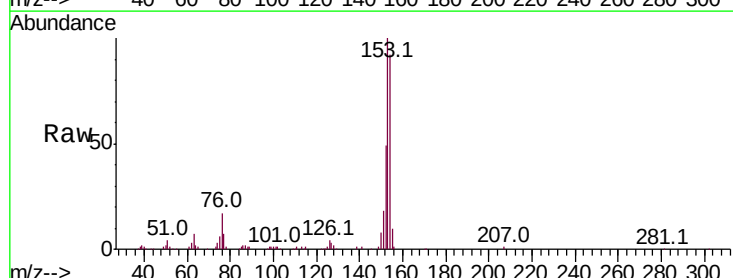
RT: 14.28 min Scan# 1937

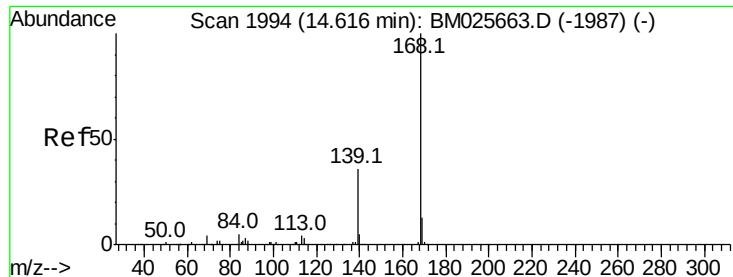
Delta R.T. -0.00 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

Tgt Ion:	153	Resp:	216215
Ion Ratio	Lower	Upper	
153	100		
152	48.7	37.6	56.4
154	92.0	72.2	108.2





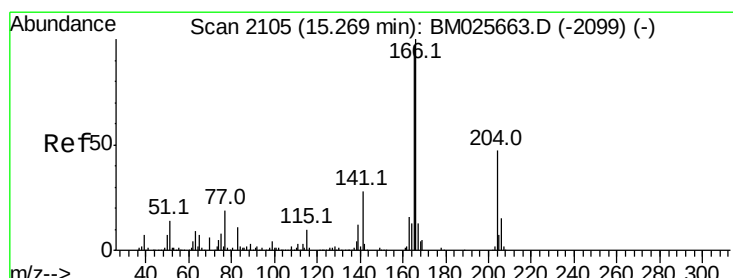
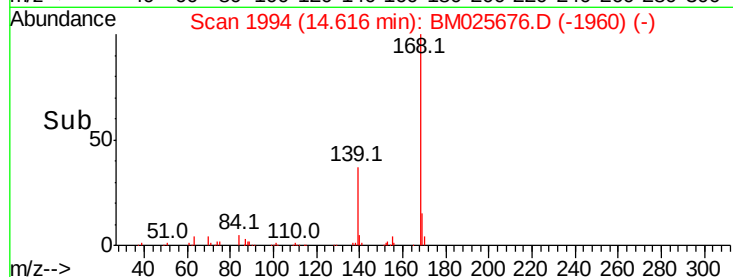
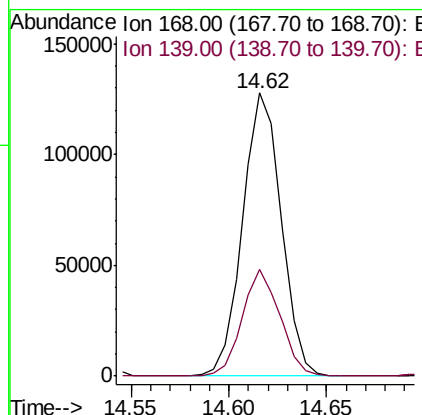
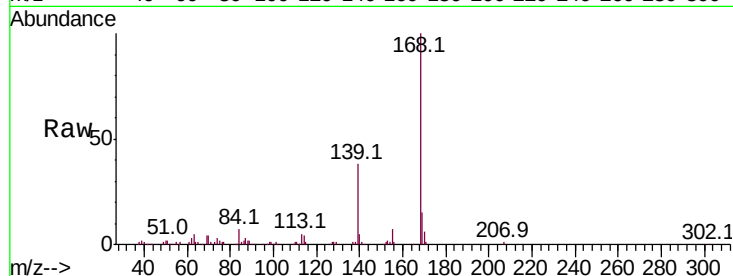
#54
Dibenzofuran
Concen: 3.300 ng/ul
RT: 14.62 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Instrument :
BNA_M
ClientSampled :
B0AG9

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	28.2	42.2

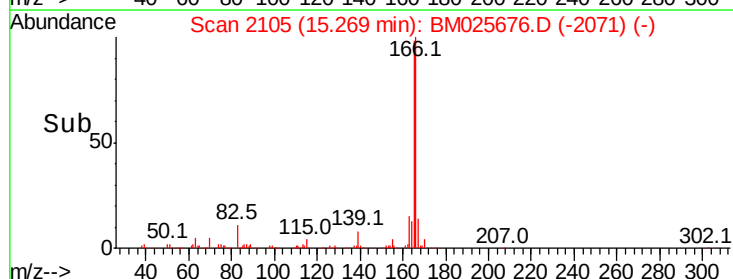
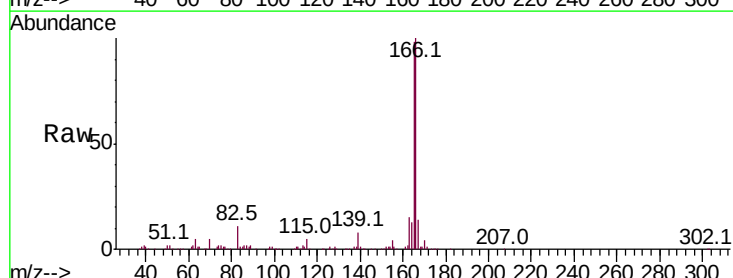
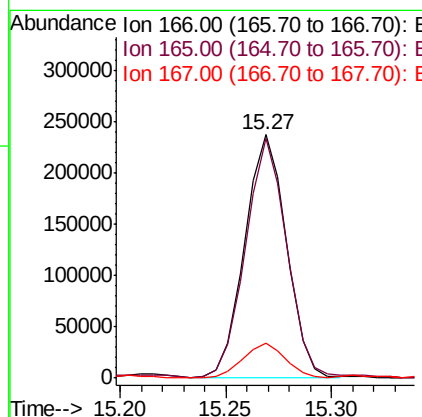
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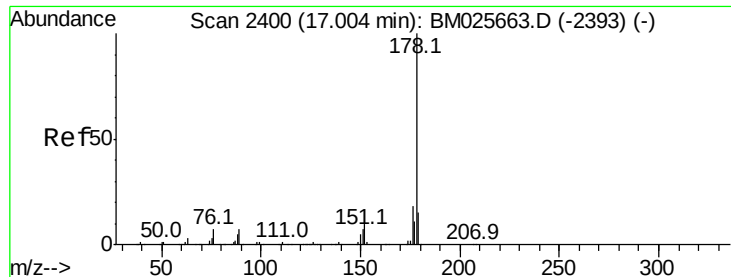
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#59
Fluorene
Concen: 7.259 ng/ul
RT: 15.27 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.2	115.8
167	14.3	11.2	16.8





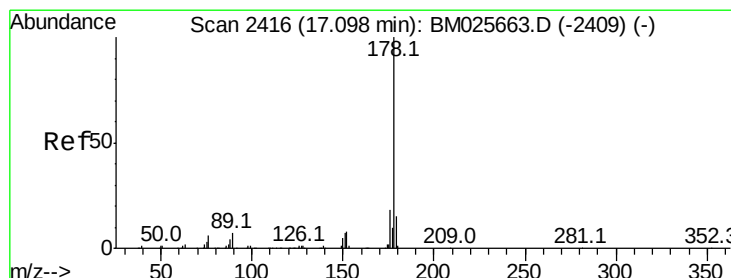
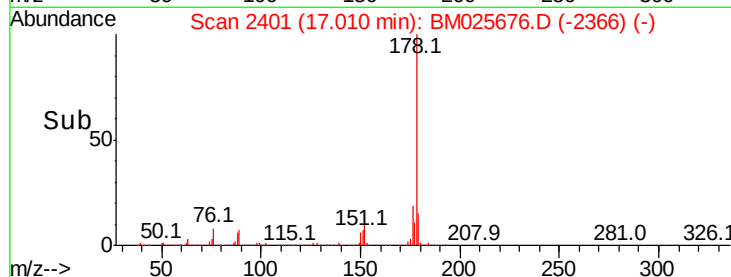
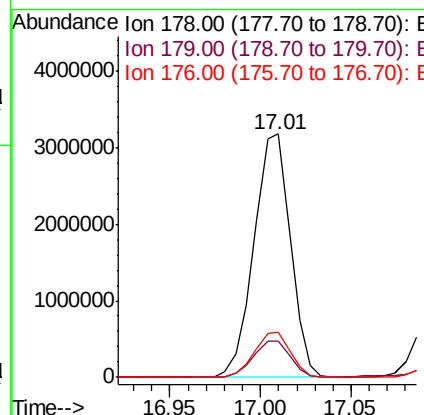
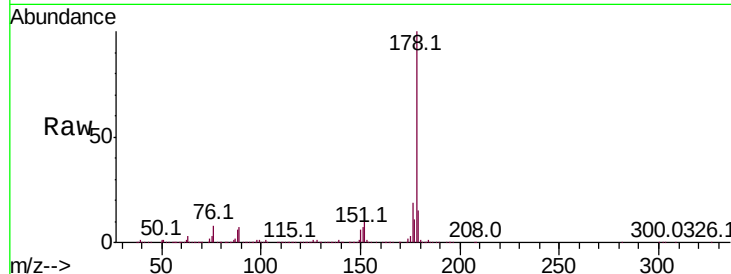
#70
Phenanthrene
Concen: 66.717 ng/ul
RT: 17.01 min Scan# 2401
Delta R.T. 0.01 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Instrument :
BNA_M
ClientSampleId :
B0AG9

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	18.6	15.3	22.9

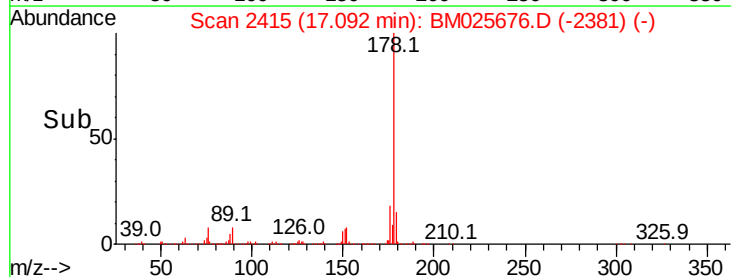
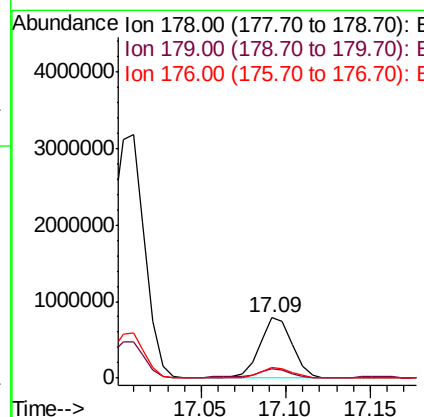
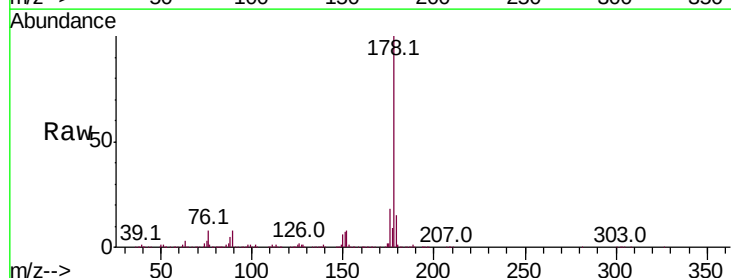
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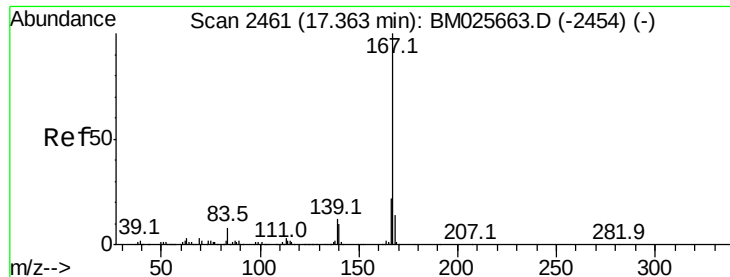
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#72
Anthracene
Concen: 15.539 ng/ul
RT: 17.09 min Scan# 2415
Delta R.T. -0.00 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.5	18.7
176	18.1	14.5	21.7





#75

Carbazole

Concen: 2.625 ng/ul

RT: 17.36 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

Instrument :

BNA_M

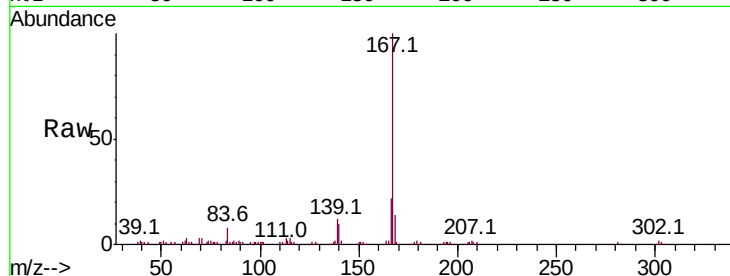
ClientSampleId :

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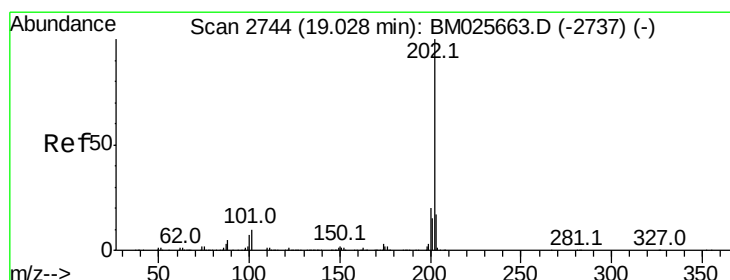
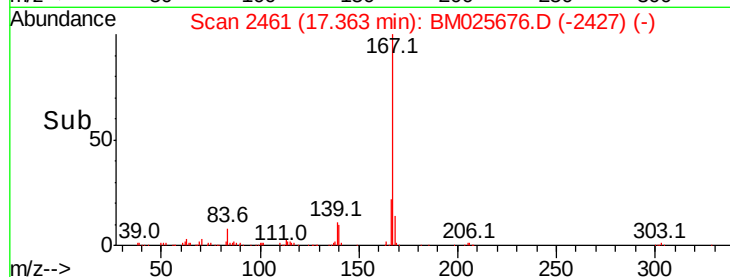
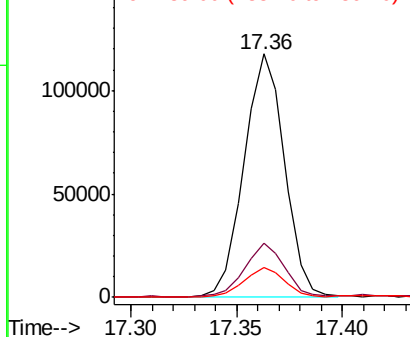
Tot Ion:	167	Resp:	155980
Ion Ratio	Lower	Upper	
167	100		
166	22.0	16.7	25.1
139	12.0	9.8	14.8

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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: 64.392 ng/ul

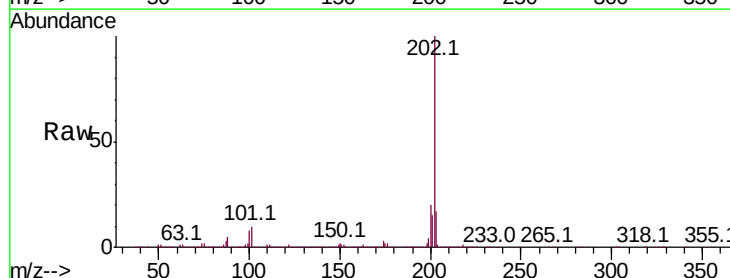
RT: 19.03 min Scan# 2744

Delta R.T. 0.01 min

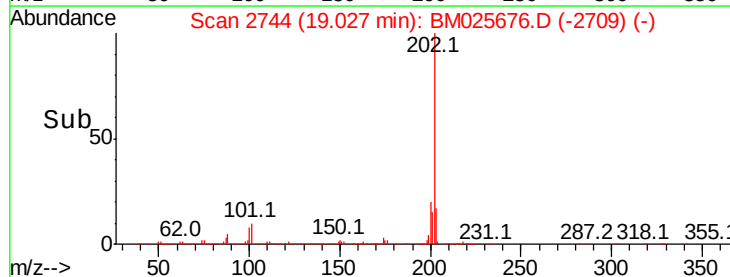
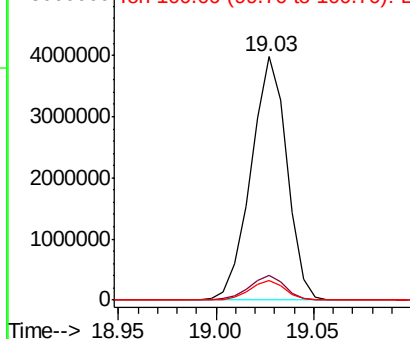
Lab File: BM025676.D

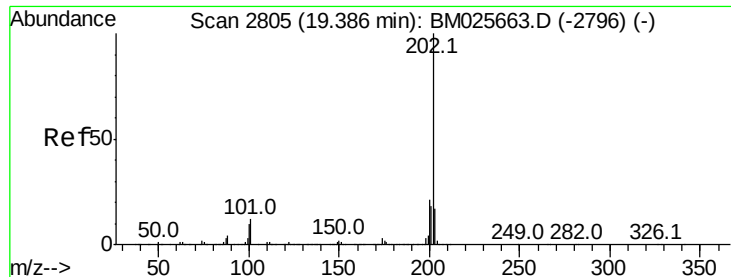
Acq: 21 Mar 2020 00:20

Tgt Ion:	202	Resp:	5063628
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.2	12.4
100	7.9	6.5	9.7



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





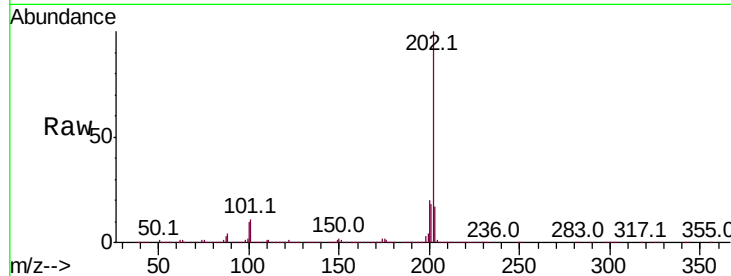
#80
Pvrene
Concen: 54.386 ng/ul
RT: 19.39 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Instrument :
BNA_M
ClientSampleId :
B0AG9

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	9.7	7.5	11.3

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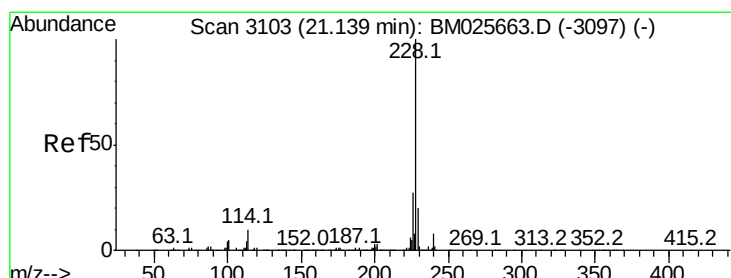
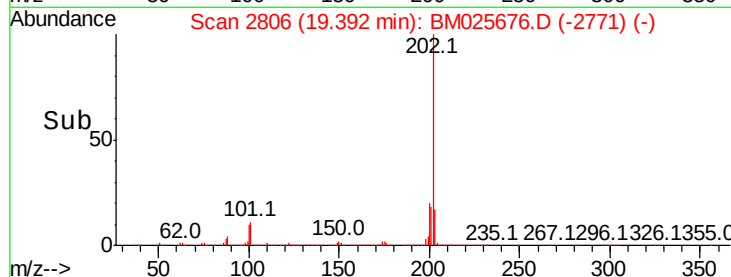
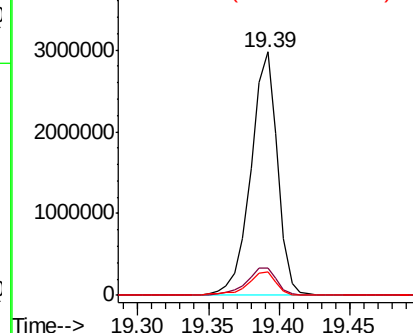


Abundance

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: 24.410 ng/ul
RT: 21.14 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

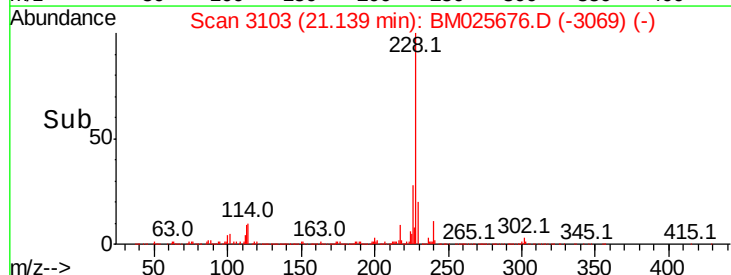
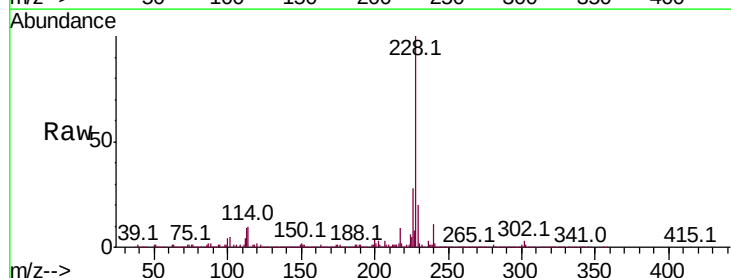
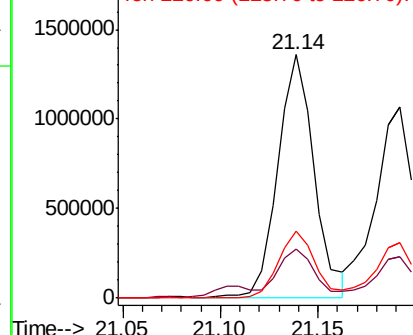
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.5	23.3
226	27.7	21.0	31.6

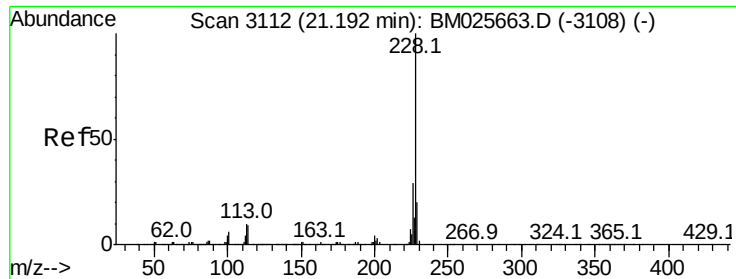
Abundance

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: 20.325 ng/ul

RT: 21.19 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

Instrument :

BNA_M

ClientSampleId :

B0AG9

Tot Ion:228 Resp: 1415883

Ion Ratio Lower Upper

228 100

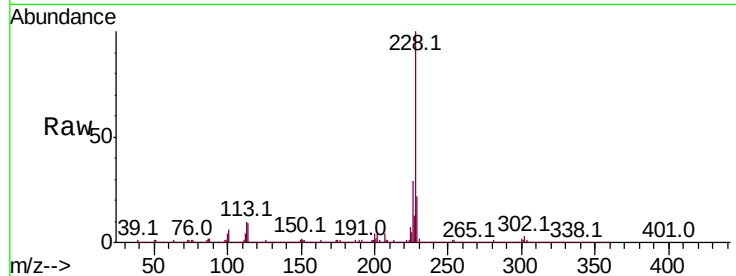
226 29.0 23.4 35.0

229 21.8 15.6 23.4

Manual Integrations
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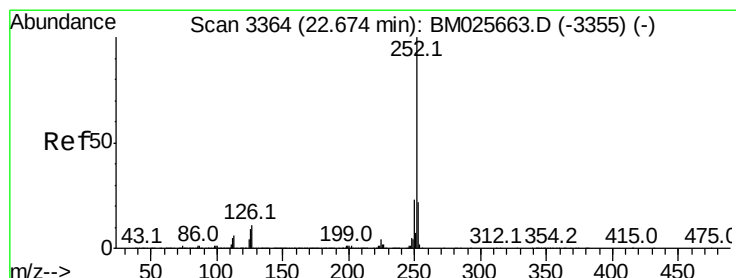
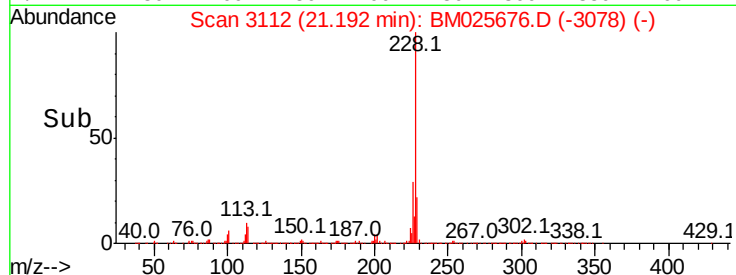
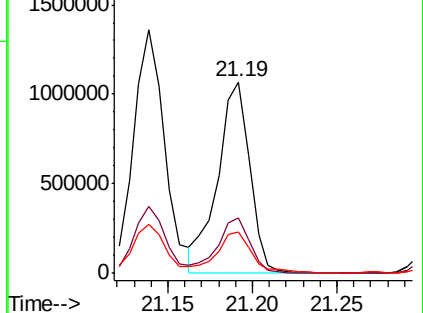
3/23/2020 9:42:12 AM



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: 23.069 ng/ul

RT: 22.67 min Scan# 3364

Delta R.T. -0.00 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

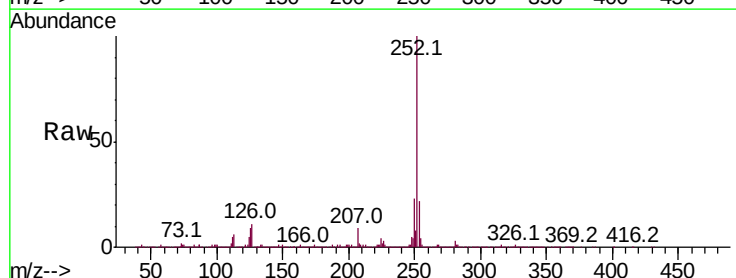
Tgt Ion:252 Resp: 1862023

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

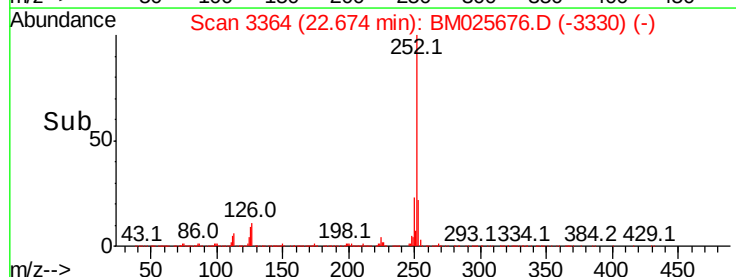
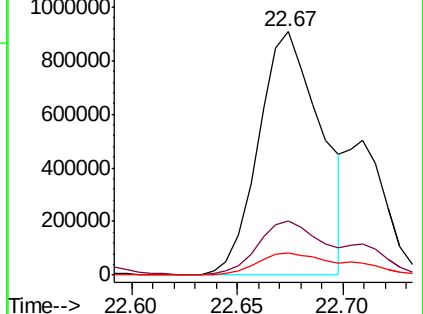
125 9.2 6.7 10.1

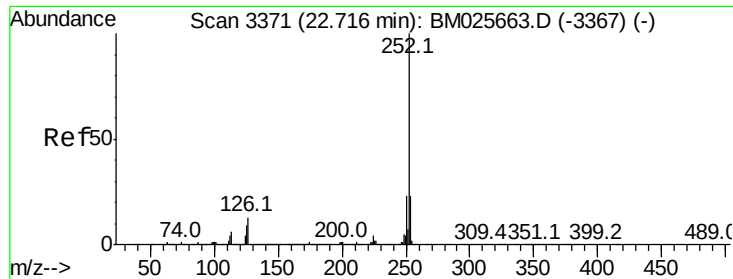


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





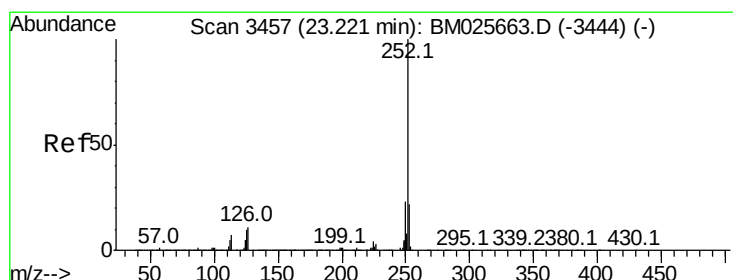
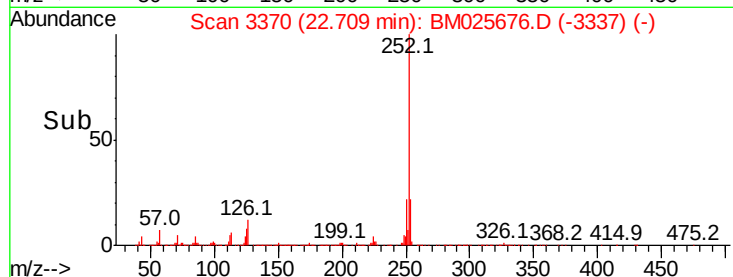
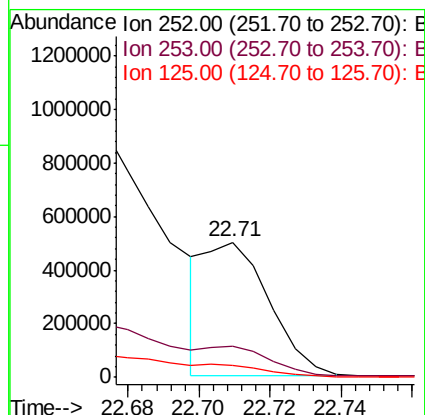
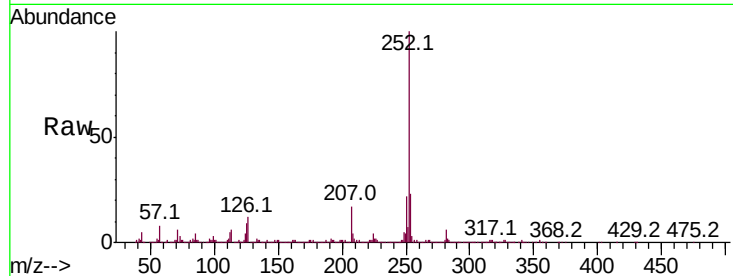
#89
Benzo(k)fluoranthene
Concen: 7.748 ng/ul m
RT: 22.71 min Scan# 3370
Delta R.T. -0.01 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Instrument :
BNA_M
ClientSampleId :
B0AG9

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	8.8	6.9	10.3

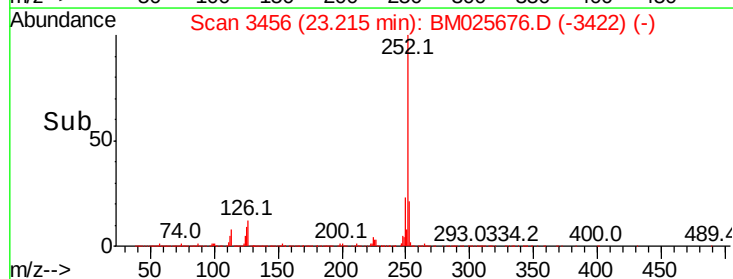
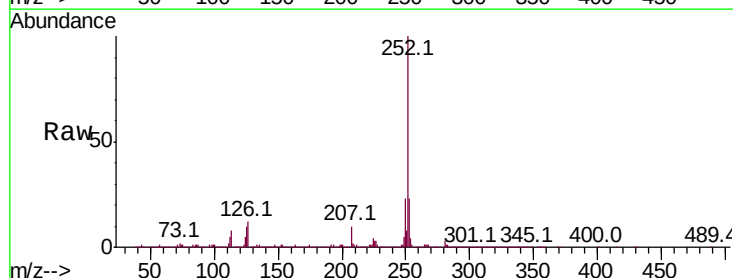
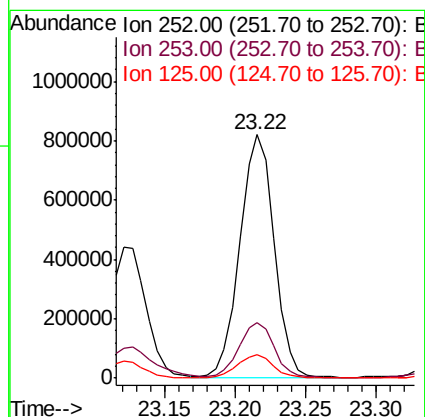
Manual Integrations
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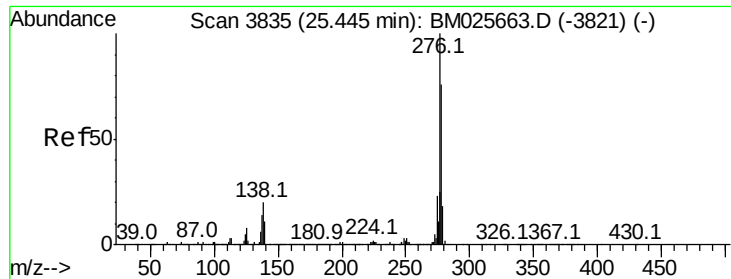
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#91
Benzo(a)pyrene
Concen: 18.851 ng/ul
RT: 23.22 min Scan# 3456
Delta R.T. -0.00 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	9.6	7.1	10.7





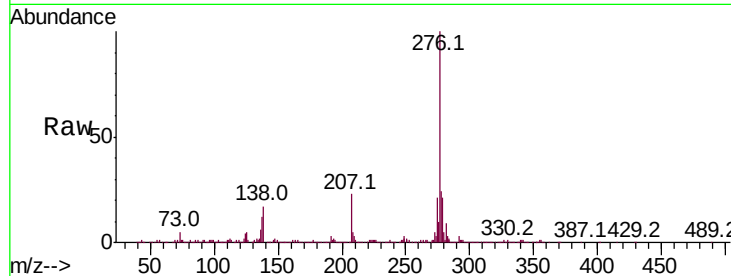
#92
Indeno(1,2,3-cd)pyrene
Concen: 9.202 ng/ul
RT: 25.43 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Instrument :
BNA_M
ClientSampleId :
B0AG9

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	16.5	24.7
277	24.3	19.7	29.5

Manual Integrations
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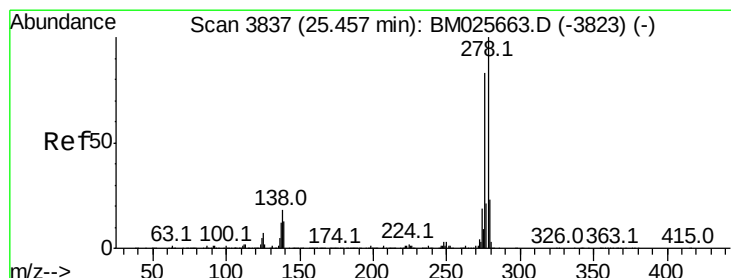
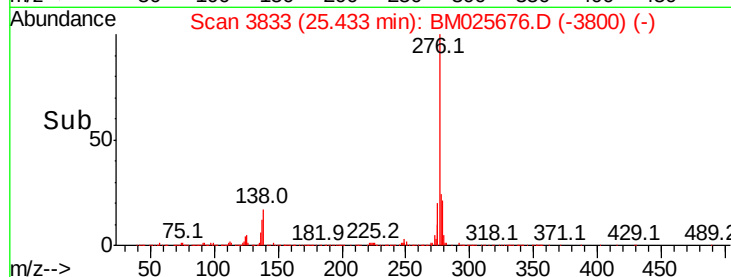
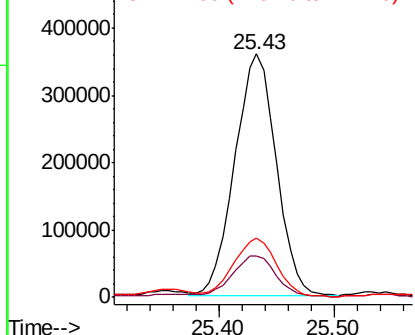


Abundance

Ion 276.00 (275.70 to 276.70): E

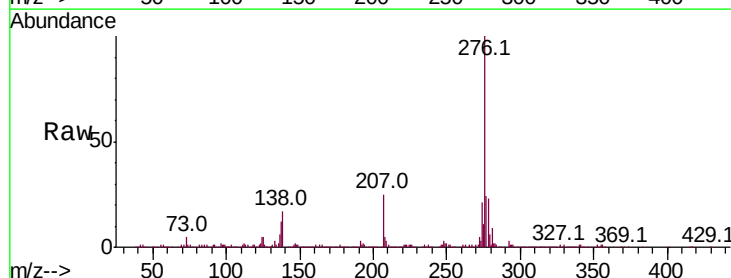
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93
Dibenzo(a,h)anthracene
Concen: 2.607 ng/ul m
RT: 25.44 min Scan# 3834
Delta R.T. -0.01 min
Lab File: BM025676.D
Acq: 21 Mar 2020 00:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.4	15.6#
279	26.6	18.6	28.0

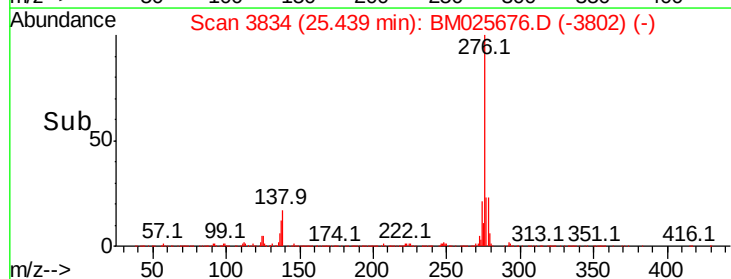
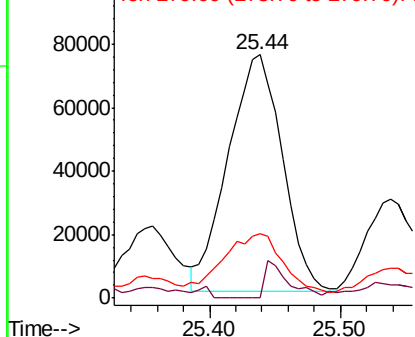


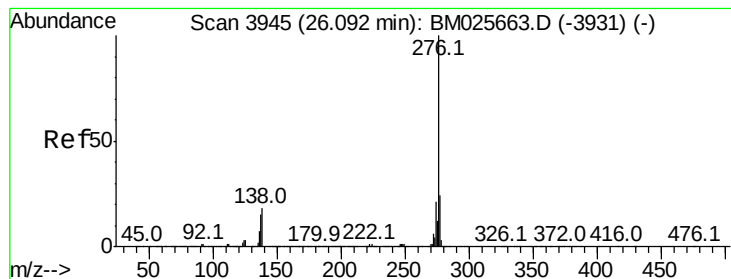
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 7.473 ng/ul

RT: 26.08 min Scan# 3943

Delta R.T. -0.01 min

Lab File: BM025676.D

Acq: 21 Mar 2020 00:20

Instrument :

BNA_M

ClientSampleId :

B0AG9

Tot Ion:	276	Resp:	597460
Ion Ratio	Lower	Upper	
276	100		
138	17.1	13.2	19.8
277	23.8	19.0	28.4

Manual Integrations
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3/23/2020 9:42:12 AM

