

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
 Data File : BM025658.D
 Acq On : 20 Mar 2020 12:41
 Operator : CG/JU
 Sample : L1786-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

Quant Time: Mar 20 13:28:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 11:44:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	142859	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	565639	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	349313	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	773479	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	943088	20.00	ng/ul	0.00
86) Perylene-d12	23.31	264	1077979	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	7441	2.19	ng/uL	0.00
5) Phenol-d5	6.76	99	148106	13.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	90250	14.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	119809	13.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	126544	13.66	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	63020	14.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	61648	13.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	125697	13.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	177302	16.71	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	422682	15.92	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	485440	15.26	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	52266	10.34	ng/ul	0.00
58) Fluorene-d10	15.22	176	373756	16.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	39882	8.45	ng/ul	0.00
71) Anthracene-d10	17.06	188	566896	15.69	ng/ul	0.00
79) Pyrene-d10	19.36	212	667356	14.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.17	264	850567	15.41	ng/ul	0.00

Target Compounds

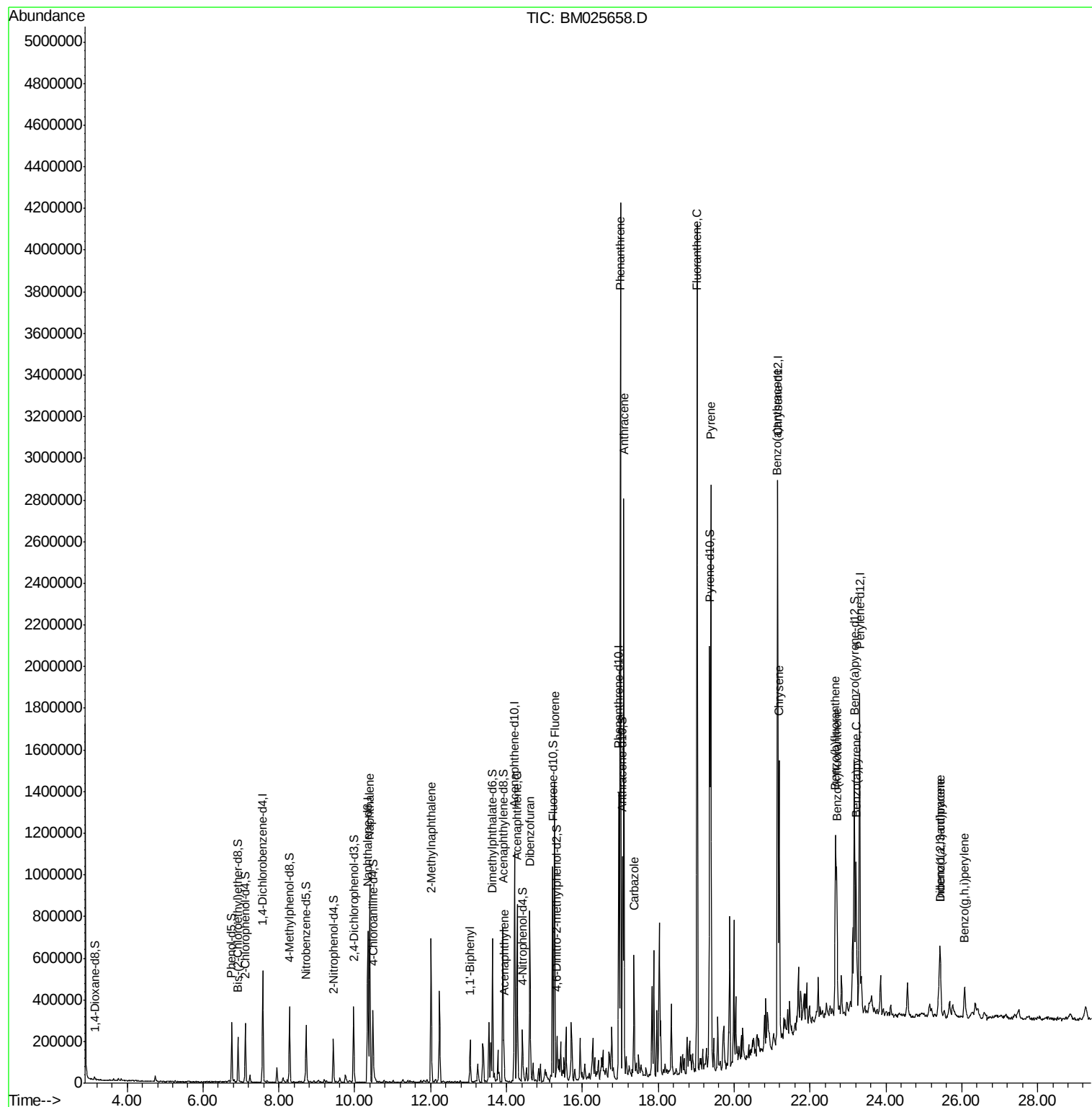
					Ovalue	
28) Naphthalene	10.39	128	747548	24.267	ng/ul	98
34) 2-Methylnaphthalene	12.02	142	332674	15.119	ng/ul	95
41) 1,1'-Biphenyl	13.05	154	102919	3.687	ng/ul	98
48) Acenaphthylene	13.93	152	104100	3.022	ng/ul#	96
50) Acenaphthene	14.28	153	330014	14.093	ng/ul	99
54) Dibenzofuran	14.62	168	467108	14.061	ng/ul	95
59) Fluorene	15.27	166	584715	20.925	ng/ul	100
70) Phenanthrene	17.00	178	2422154	53.201	ng/ul	99
72) Anthracene	17.09	178	1671545	36.025	ng/ul	99
75) Carbazole	17.36	167	337311	8.318	ng/ul	98
77) Fluoranthene	19.03	202	2374261	44.242	ng/ul	97
80) Pyrene	19.39	202	1622634	25.618	ng/ul	99
83) Benzo(a)anthracene	21.14	228	836781	13.458	ng/ul	98
85) Chrysene	21.19	228	691466	11.335	ng/ul	98
88) Benzo(b)fluoranthene	22.67	252	761649	11.324	ng/ul	98
89) Benzo(k)fluoranthene	22.71	252	312137	4.711	ng/ul	99
91) Benzo(a)pyrene	23.21	252	496015	8.104	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.43	276	280686	3.472	ng/ul	97
93) Dibenzo(a,h)anthracene	25.43	278	92596	1.353	ng/ul#	86
94) Benzo(g,h,i)perylene	26.07	276	165687	2.487	ng/ul	99

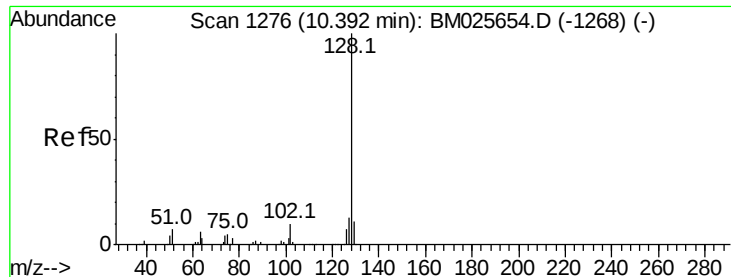
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 24.267 ng/ul

RT: 10.39 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

Instrument :

BNA_M

ClientSampleId :

C0AC5

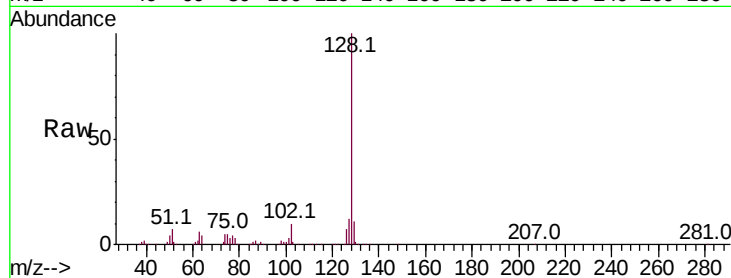
Tot Ion:128 Resp: 747548

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

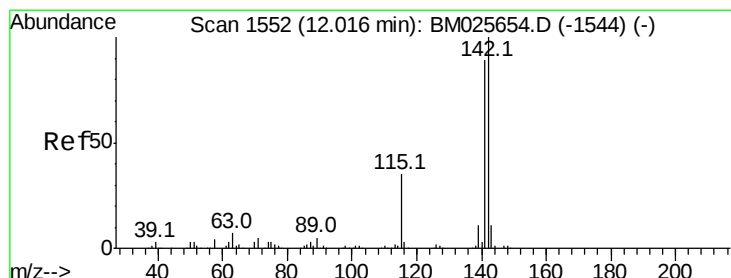
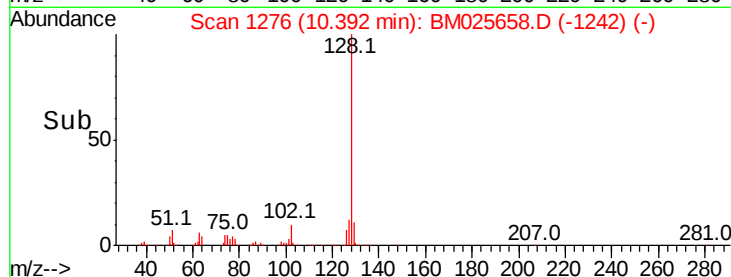
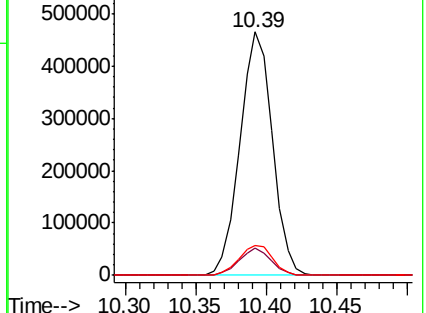
127 12.3 10.6 15.8



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: 15.119 ng/ul

RT: 12.02 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BM025658.D

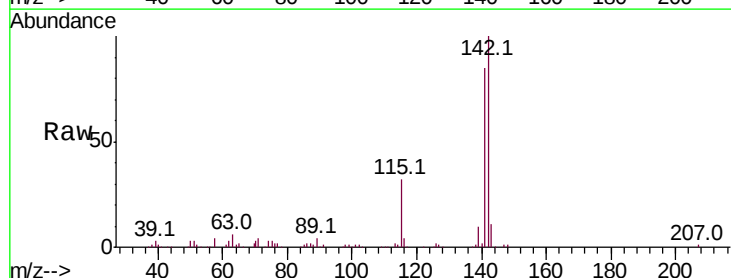
Acq: 20 Mar 2020 12:41

Tgt Ion:142 Resp: 332674

Ion Ratio Lower Upper

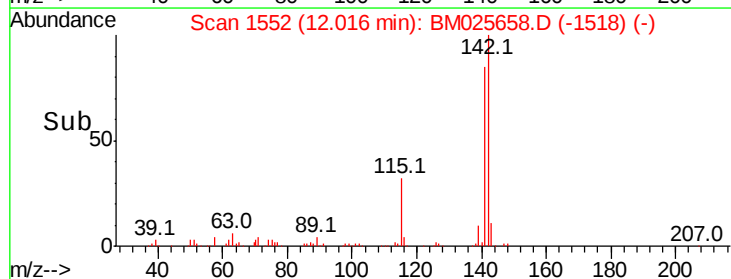
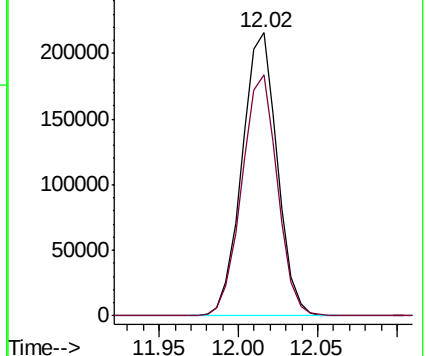
142 100

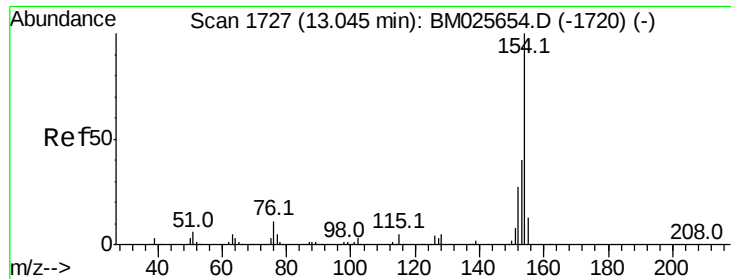
141 85.1 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

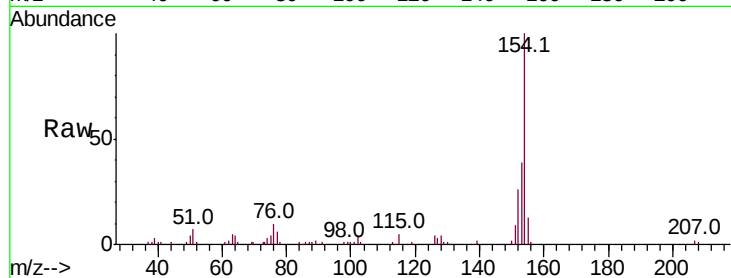




#41
 1,1'-Biphenyl
 Concen: 3.687 ng/ul
 RT: 13.05 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BM025658.D
 Acq: 20 Mar 2020 12:41

Instrument :
 BNA_M
 ClientSampled :
 C0AC5

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.0	32.2	48.2
76	9.7	9.0	13.4

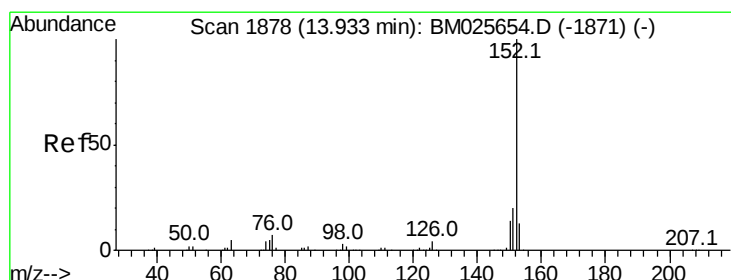
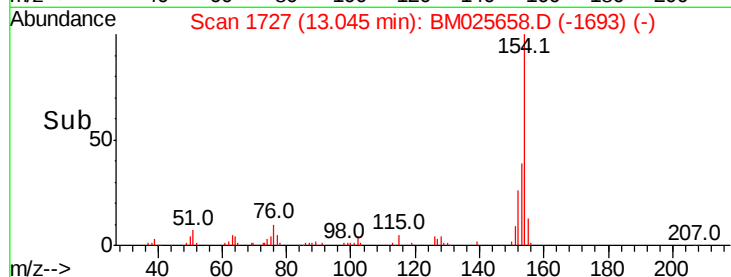
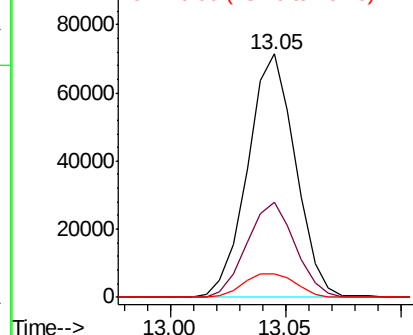


Abundance

Ion 154.00 (153.70 to 154.70): E

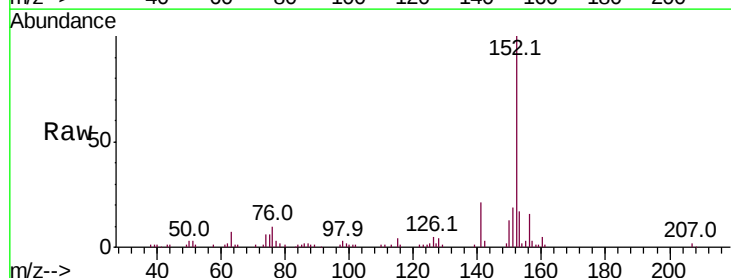
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#48
 Acenaphthylene
 Concen: 3.022 ng/ul
 RT: 13.93 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: BM025658.D
 Acq: 20 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	16.5	10.6	16.0#

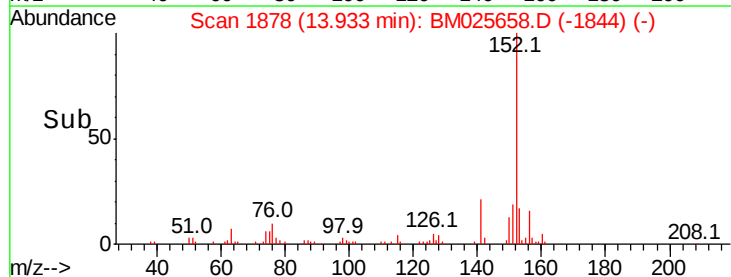
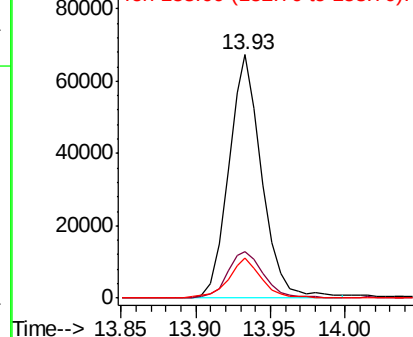


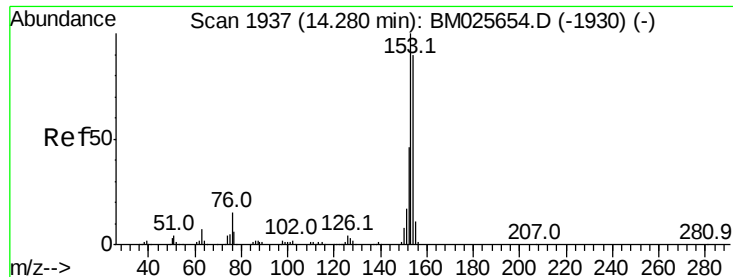
Abundance

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: 14.093 ng/ul

RT: 14.28 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

Instrument :

BNA_M

ClientSampleId :

C0AC5

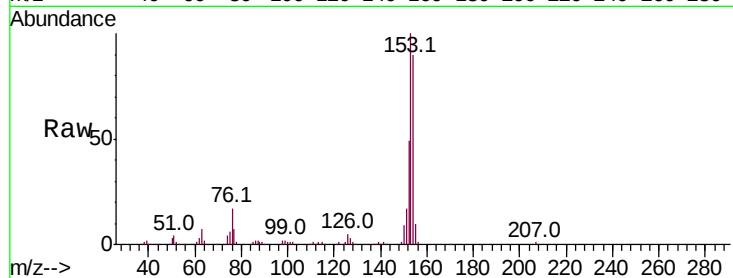
Tot Ion:153 Resp: 330014

Ion Ratio Lower Upper

153 100

152 49.2 37.6 56.4

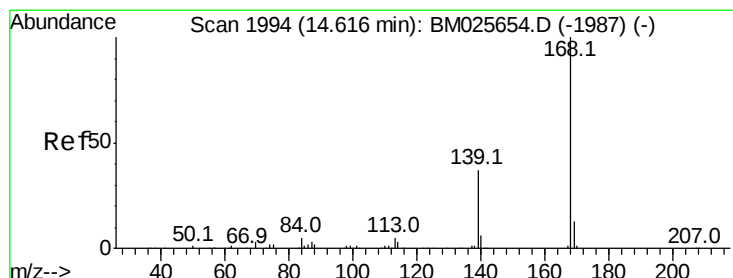
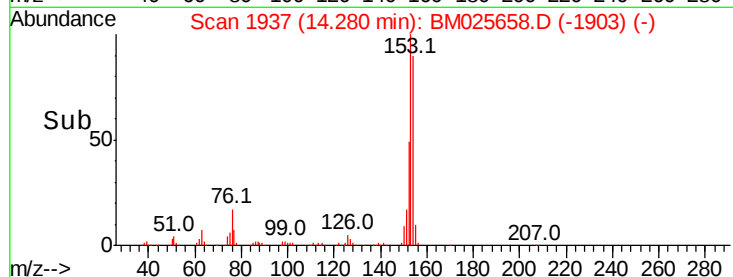
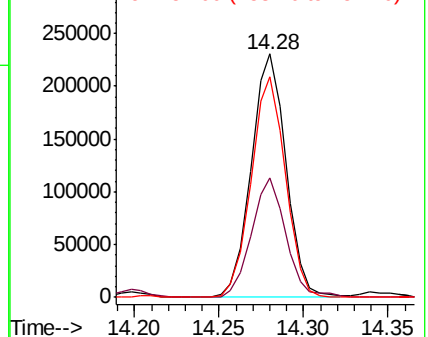
154 90.3 72.2 108.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 14.061 ng/ul

RT: 14.62 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM025658.D

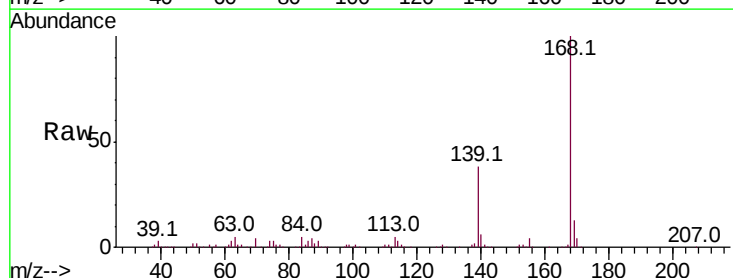
Acq: 20 Mar 2020 12:41

Tgt Ion:168 Resp: 467108

Ion Ratio Lower Upper

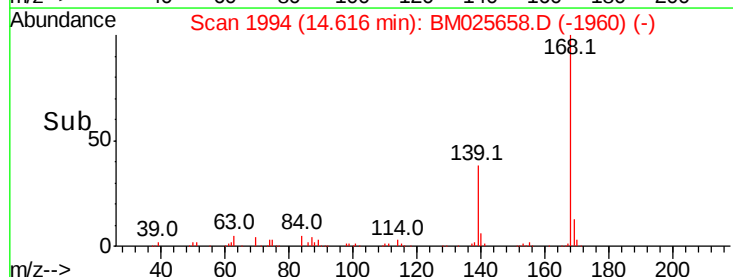
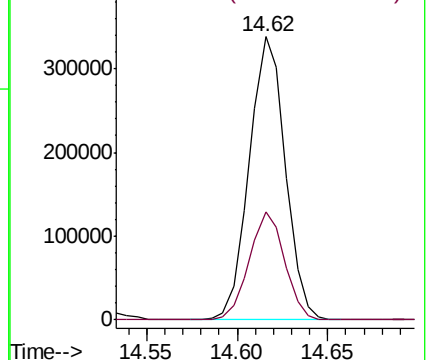
168 100

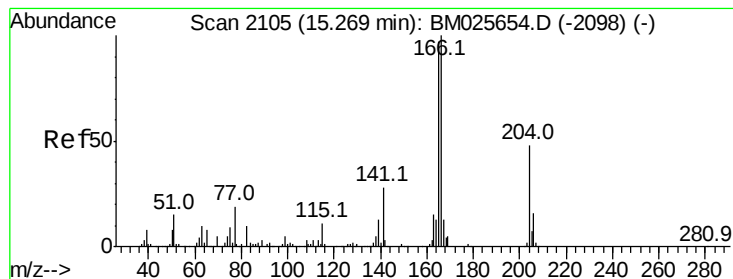
139 38.0 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 20.925 ng/ul

RT: 15.27 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

Instrument :

BNA_M

ClientSampleId :

C0AC5

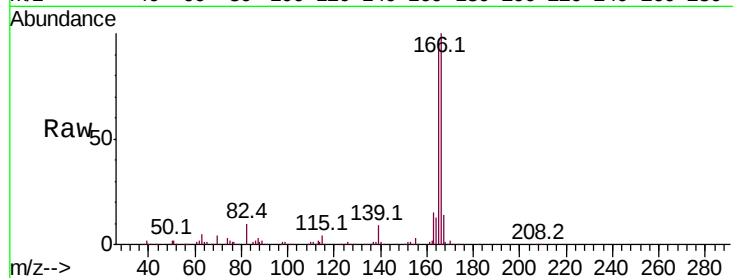
Tot Ion:166 Resp: 584715

Ion Ratio Lower Upper

166 100

165 96.7 77.2 115.8

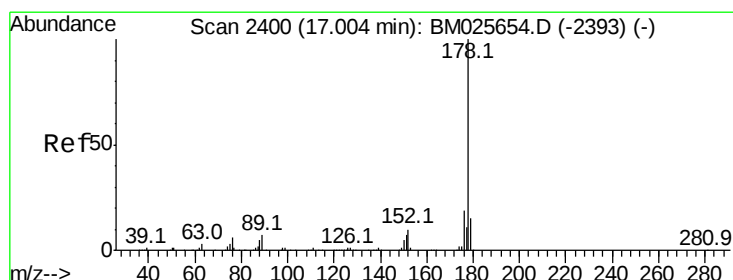
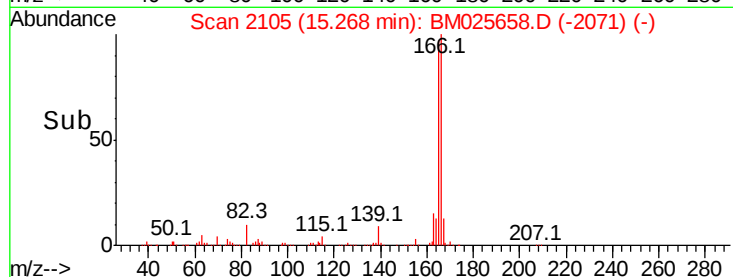
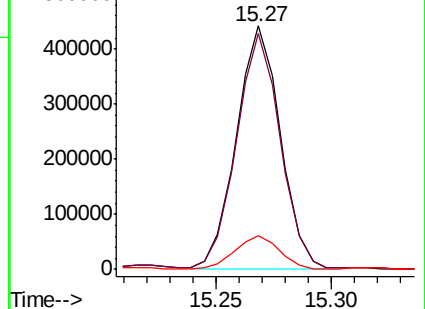
167 13.9 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 53.201 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

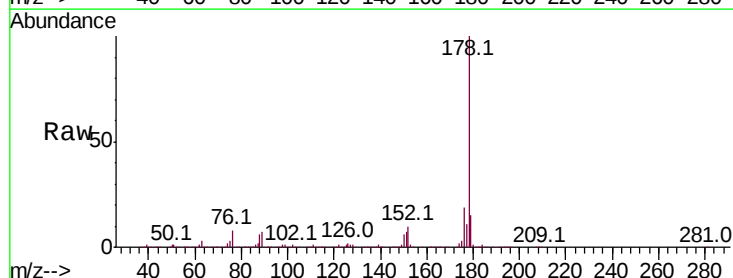
Tgt Ion:178 Resp: 2422154

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

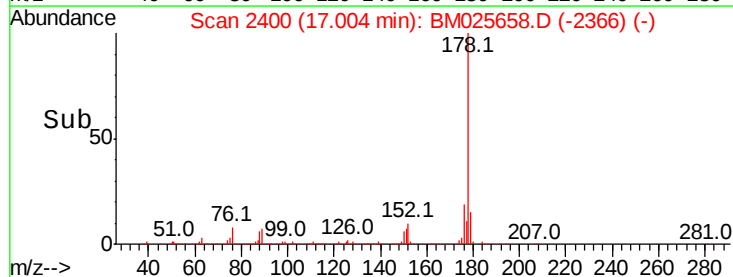
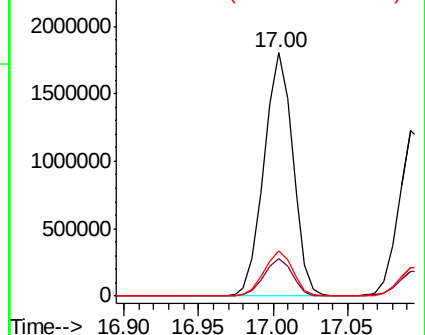
176 18.6 15.3 22.9

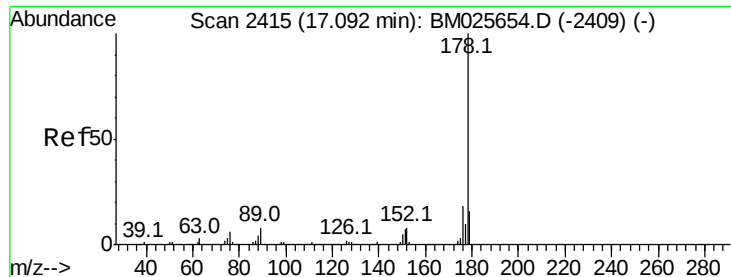


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 36.025 ng/ul

RT: 17.09 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

Instrument :

BNA_M

ClientSampleId :

C0AC5

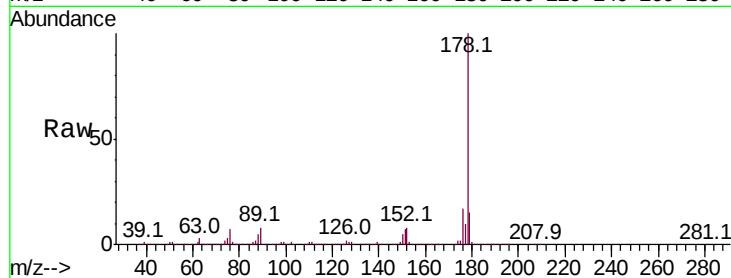
Tot Ion:178 Resp: 1671545

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

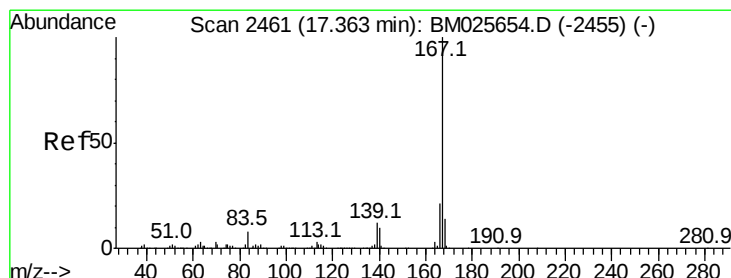
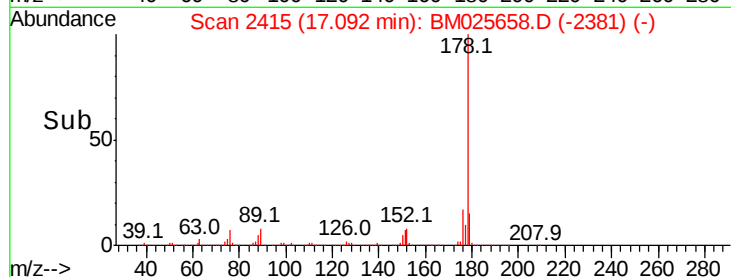
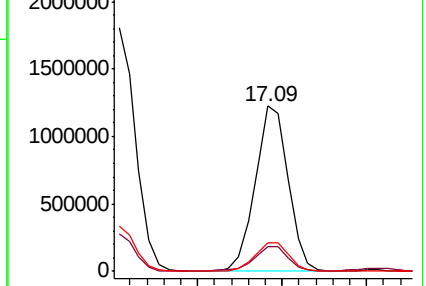
176 17.5 14.5 21.7



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: 8.318 ng/ul

RT: 17.36 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

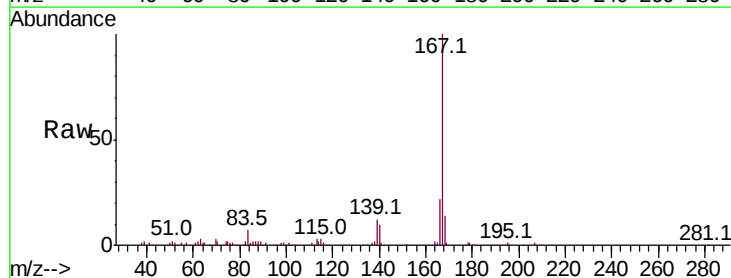
Tgt Ion:167 Resp: 337311

Ion Ratio Lower Upper

167 100

166 22.4 16.7 25.1

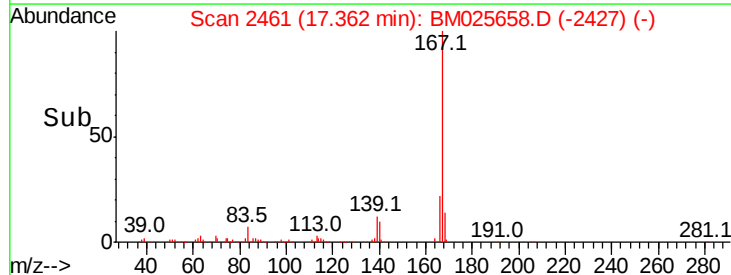
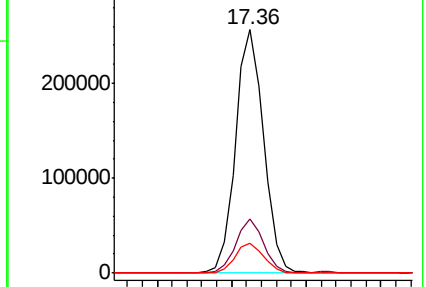
139 12.3 9.8 14.8

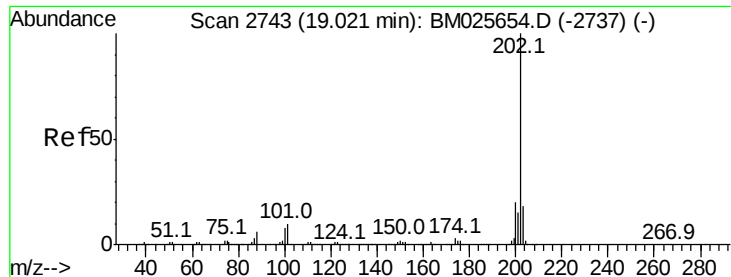


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

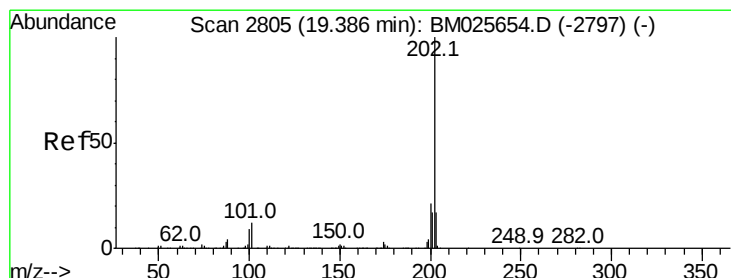
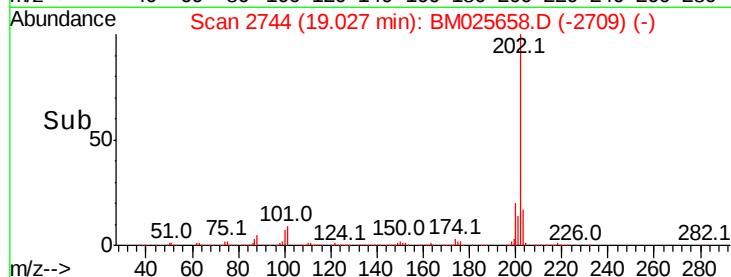
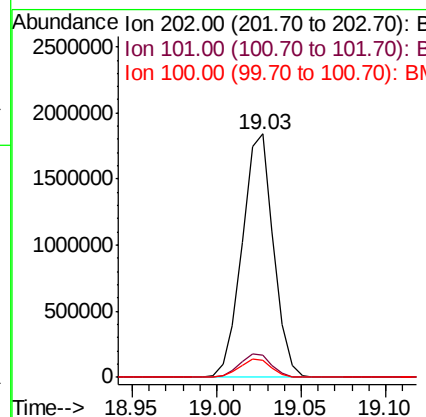
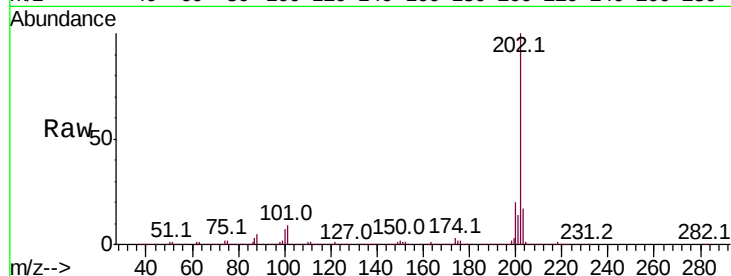




#77
 Fluoranthene
 Concen: 44.242 ng/ul
 RT: 19.03 min Scan# 2744
 Delta R.T. 0.01 min
 Lab File: BM025658.D
 Acq: 20 Mar 2020 12:41

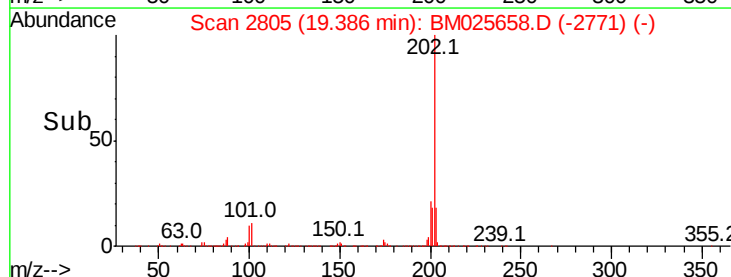
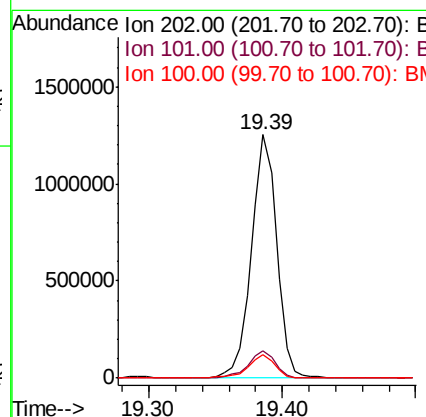
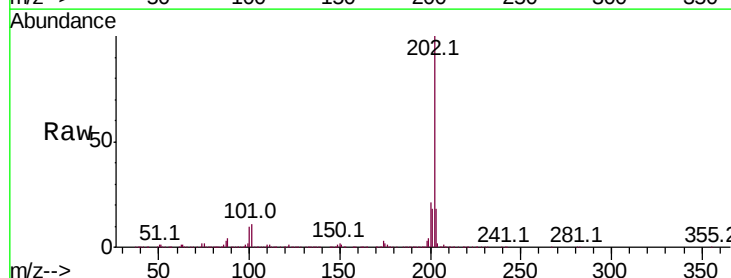
Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

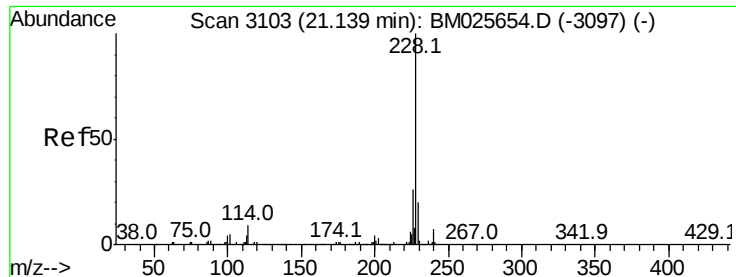
Tot Ion:202 Resp: 2374261
 Ion Ratio Lower Upper
 202 100
 101 9.2 8.2 12.4
 100 7.1 6.5 9.7



#80
 Pyrene
 Concen: 25.618 ng/ul
 RT: 19.39 min Scan# 2805
 Delta R.T. -0.00 min
 Lab File: BM025658.D
 Acq: 20 Mar 2020 12:41

Tgt Ion:202 Resp: 1622634
 Ion Ratio Lower Upper
 202 100
 101 11.3 8.9 13.3
 100 9.7 7.5 11.3

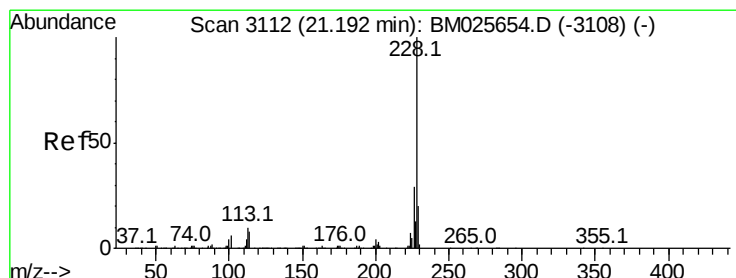
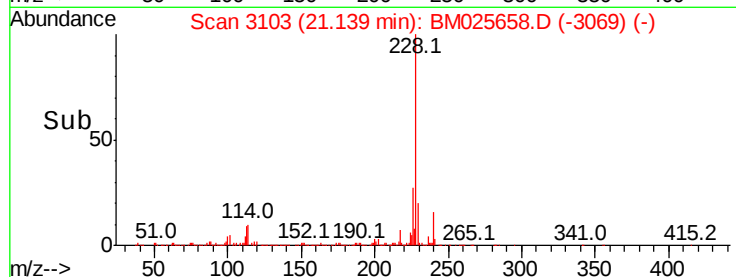
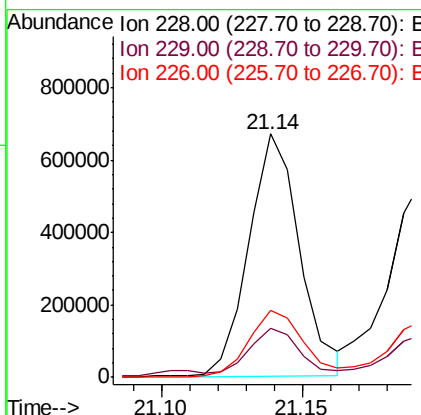
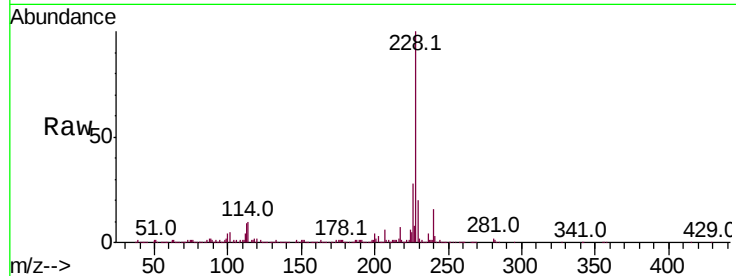




#83
Benzo(a)anthracene
Concen: 13.458 ng/ul
RT: 21.14 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BM025658.D
Acq: 20 Mar 2020 12:41

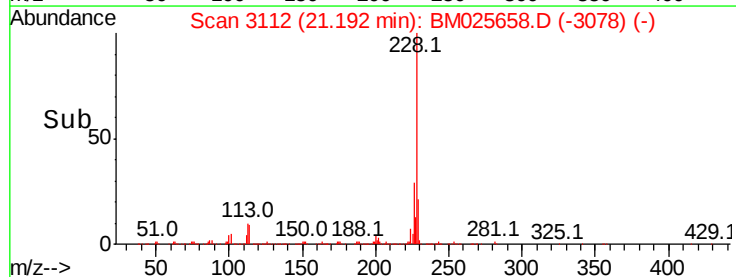
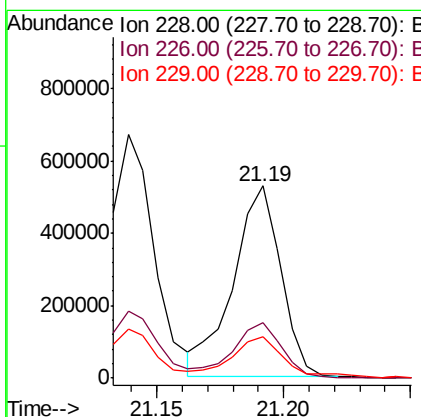
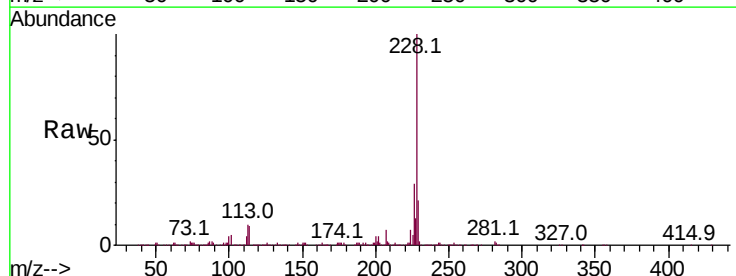
Instrument :
BNA_M
ClientSampleId :
C0AC5

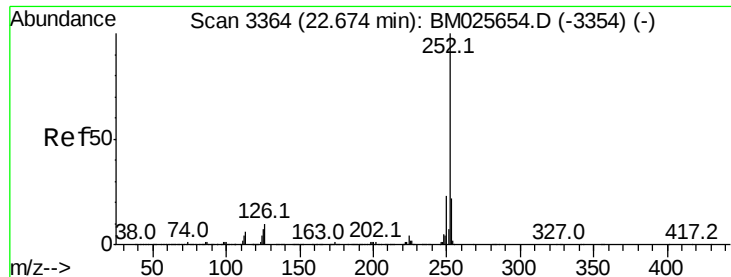
Tot Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.5	23.3
226	27.6	21.0	31.6



#85
Chrysene
Concen: 11.335 ng/ul
RT: 21.19 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BM025658.D
Acq: 20 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.0
229	21.4	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 11.324 ng/ul

RT: 22.67 min Scan# 3364

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

Instrument :

BNA_M

ClientSampleId :

C0AC5

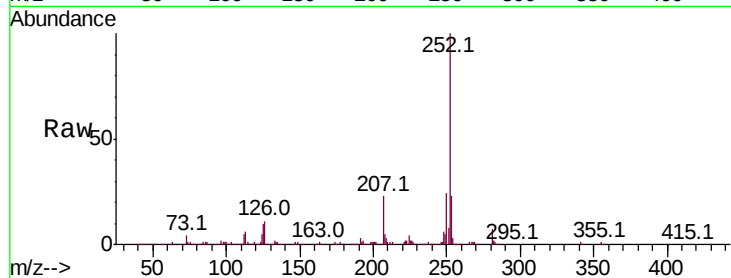
Tot Ion:252 Resp: 761649

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 9.6 6.7 10.1

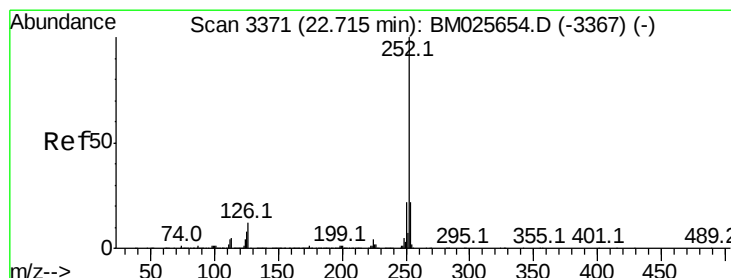
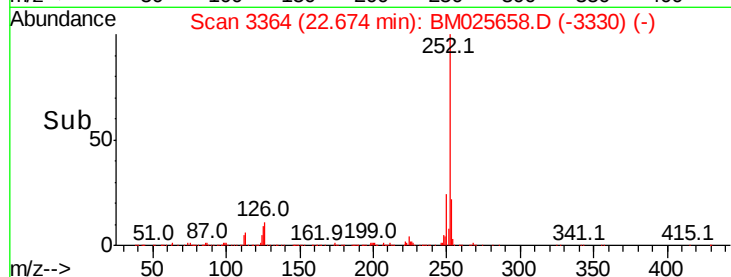
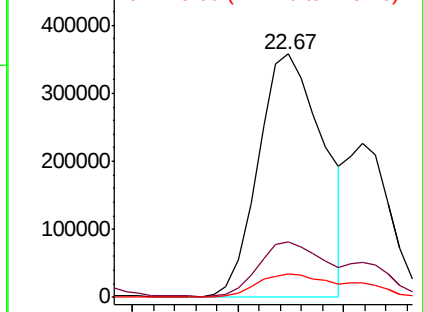


Abundance

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: 4.711 ng/ul

RT: 22.71 min Scan# 3370

Delta R.T. -0.01 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

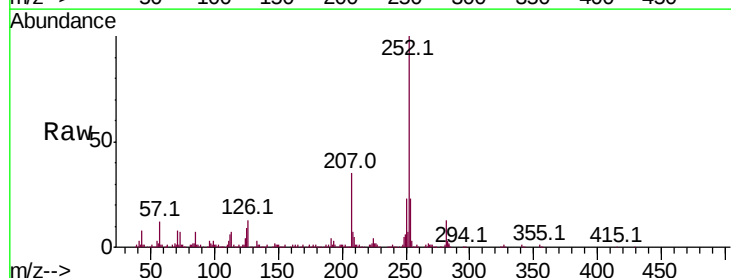
Tgt Ion:252 Resp: 312137

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 9.2 6.9 10.3

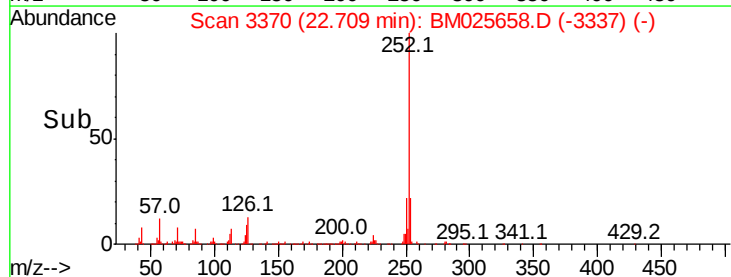
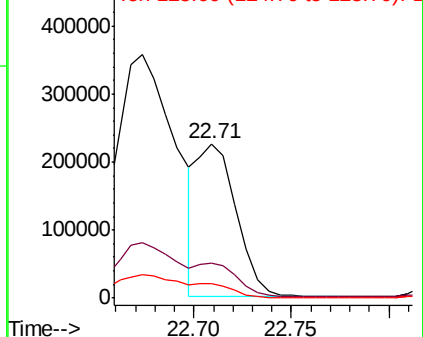


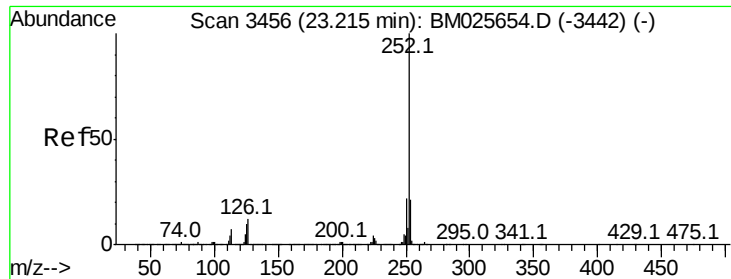
Abundance

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: 8.104 ng/ul

RT: 23.21 min Scan# 3456

Delta R.T. -0.00 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

Instrument :

BNA_M

ClientSampleId :

C0AC5

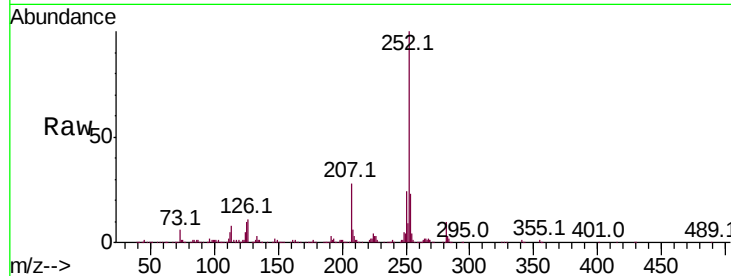
Tot Ion:252 Resp: 496015

Ion Ratio Lower Upper

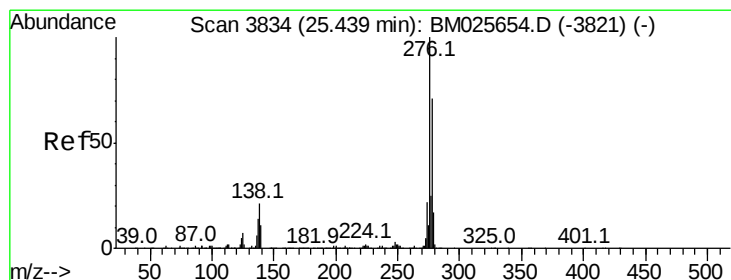
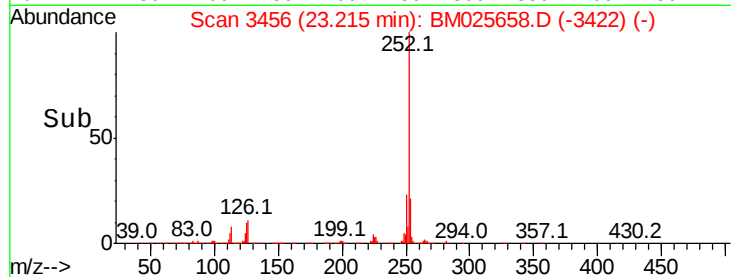
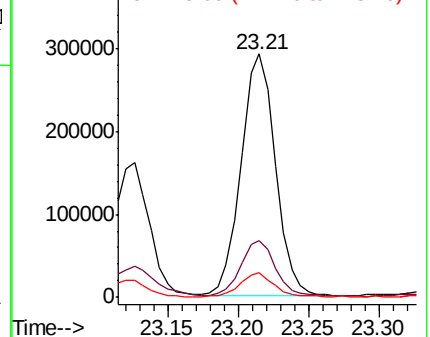
252 100

253 23.2 17.0 25.6

125 9.9 7.1 10.7



Abundance Ion 252.00 (251.70 to 252.70): E
400000
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: 3.472 ng/ul

RT: 25.43 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

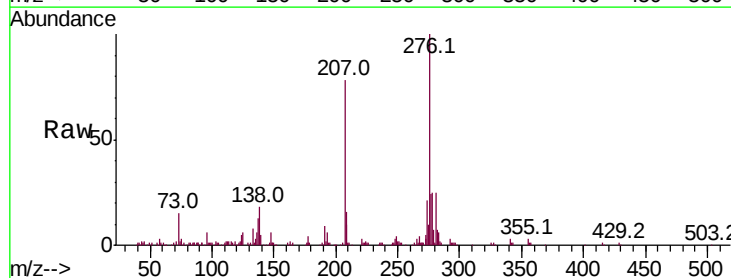
Tgt Ion:276 Resp: 280686

Ion Ratio Lower Upper

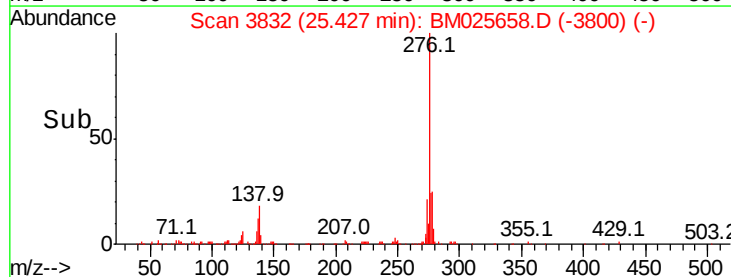
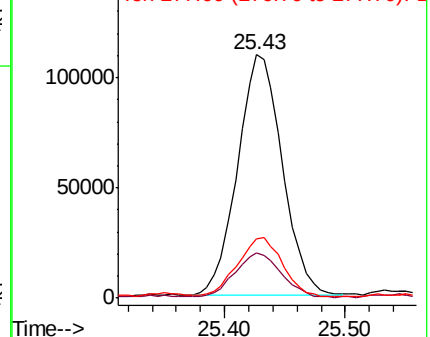
276 100

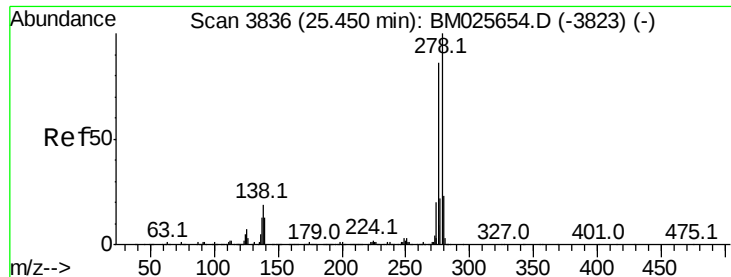
138 18.4 16.5 24.7

277 24.2 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E
150000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.353 ng/ul

RT: 25.43 min Scan# 3833

Delta R.T. -0.02 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

Instrument :

BNA_M

ClientSampleId :

C0AC5

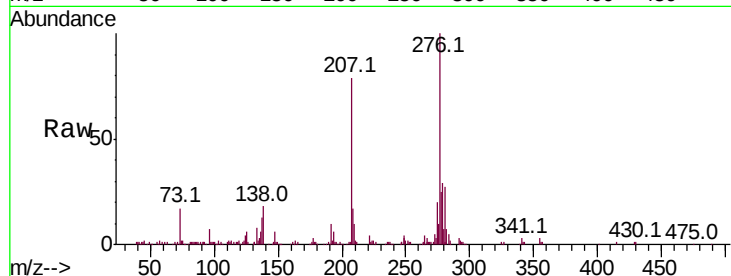
Tot Ion:278 Resp: 92596

Ion Ratio Lower Upper

278 100

139 0.0 10.4 15.6#

279 24.7 18.6 28.0

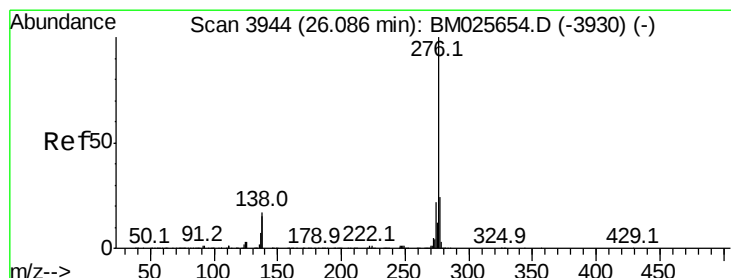
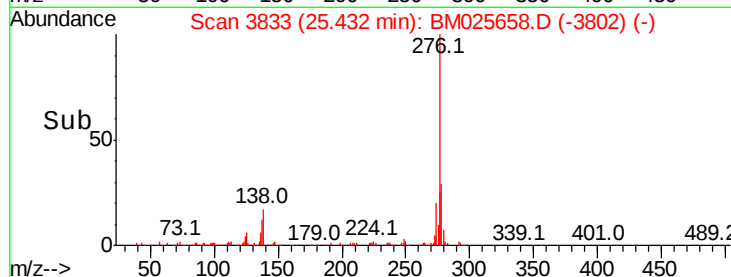
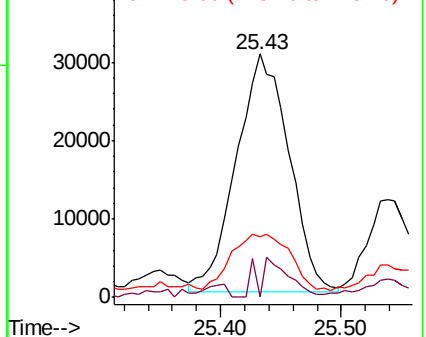


Abundance

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(g,h,i)perylene

Concen: 2.487 ng/ul

RT: 26.07 min Scan# 3942

Delta R.T. -0.01 min

Lab File: BM025658.D

Acq: 20 Mar 2020 12:41

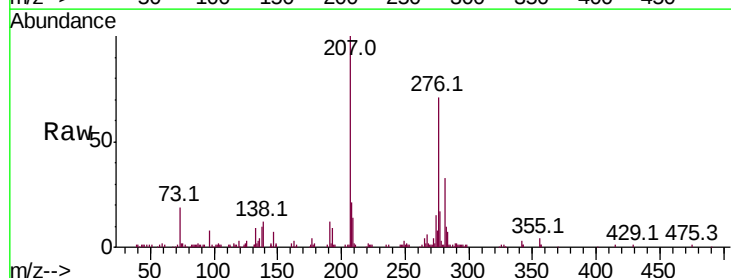
Tgt Ion:276 Resp: 165687

Ion Ratio Lower Upper

276 100

138 16.8 13.2 19.8

277 24.3 19.0 28.4



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

