

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026970.D
 Acq On : 31 Jul 2020 22:21
 Operator : JU/CG
 Sample : L3424-18 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S93

Quant Time: Aug 01 01:53:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 00:45:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	116042	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	457865	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	277405	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	566506	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	553640	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	561653	20.00	ng/ul	0.00

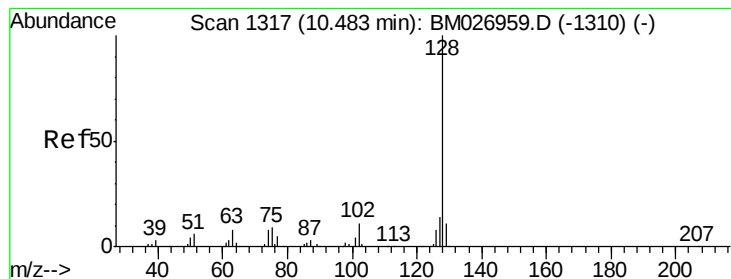
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1663	0.65	ng/uL	0.00
5) Phenol-d5	6.84	99	41408	4.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	29116	4.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	31769	4.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	32457	4.15	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	15528	4.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	15866	4.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	31547	4.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	18404	1.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	93525	4.30	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	118197	4.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	13177	3.58	ng/ul	0.00
58) Fluorene-d10	15.29	176	77806	4.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	8763	3.47	ng/ul	0.00
71) Anthracene-d10	17.13	188	123719	4.37	ng/ul	0.00
79) Pyrene-d10	19.43	212	125326	4.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	126356	3.99	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.48	128	71640	2.801	ng/ul 97
34) 2-Methylnaphthalene	12.10	142	38656	2.138	ng/ul 97
45) Dimethylphthalate	13.75	163	37282	1.633	ng/ul 97
48) Acenaphthylene	14.01	152	402644	14.317	ng/ul 100
54) Dibenzofuran	14.69	168	56079	2.088	ng/ul 99
59) Fluorene	15.34	166	29844	1.320	ng/ul# 98
70) Phenanthrene	17.08	178	371065	10.791	ng/ul 100
72) Anthracene	17.17	178	582992	16.494	ng/ul 99
75) Carbazole	17.44	167	145276	4.650	ng/ul 99
77) Fluoranthene	19.10	202	2872373	70.744	ng/ul 99
80) Pyrene	19.47	202	3226859	80.111	ng/ul 96
83) Benzo(a)anthracene	21.21	228	1671623	43.805	ng/ul 92
85) Chrysene	21.27	228	2644911	71.074	ng/ul 97
88) Benzo(b)fluoranthene	22.79	252	5042668	125.507	ng/ul 99
89) Benzo(k)fluoranthene	22.83	252	1488682	38.612	ng/ul 97
91) Benzo(a)pyrene	23.35	252	1626340	44.858	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.66	276	1692393	37.628	ng/ul 95
93) Dibenzo(a,h)anthracene	25.66	278	456114	11.990	ng/ul# 86
94) Benzo(g,h,i)perylene	26.33	276	536022	14.413	ng/ul 98

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



#28

Naphthalene

Concen: 2.801 ng/ul

RT: 10.48 min Scan# 1317

Delta R.T. -0.00 min

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C0S93

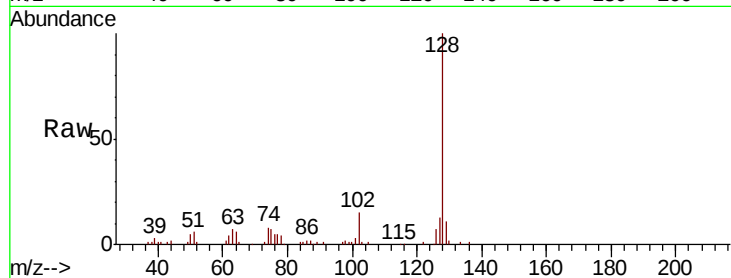
Tot Ion:128 Resp: 71640

Ion Ratio Lower Upper

128 100

129 11.5 8.3 12.5

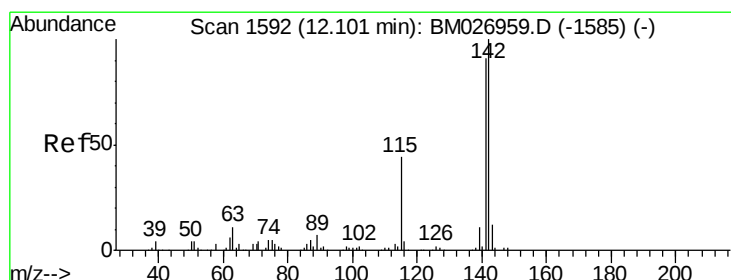
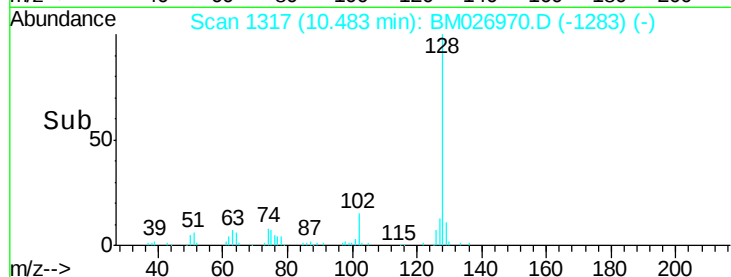
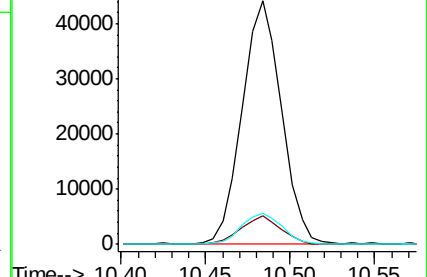
127 12.7 11.0 16.6



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: 2.138 ng/ul

RT: 12.10 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM026970.D

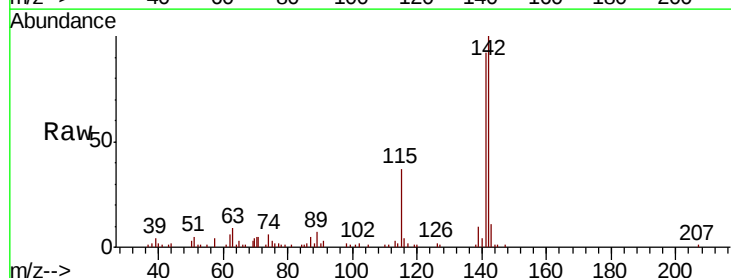
Acq: 31 Jul 2020 22:21

Tgt Ion:142 Resp: 38656

Ion Ratio Lower Upper

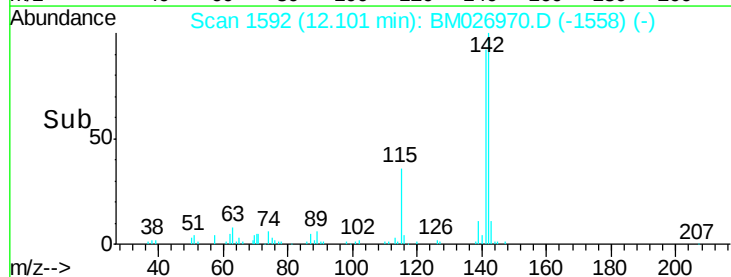
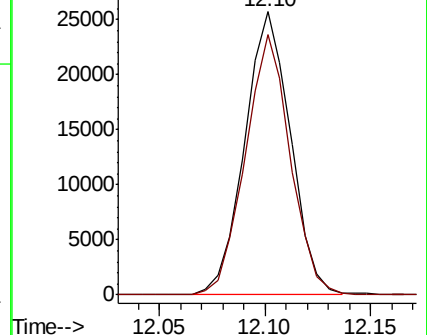
142 100

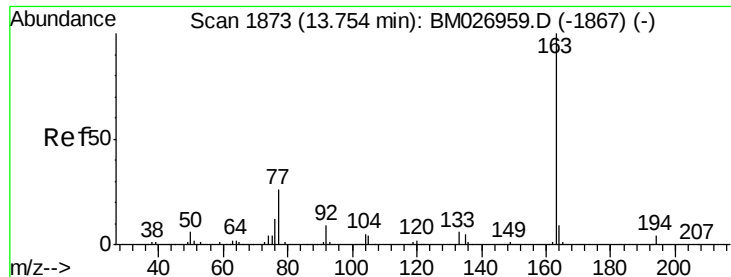
141 92.1 71.1 106.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 1.633 ng/ul

RT: 13.75 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0S93

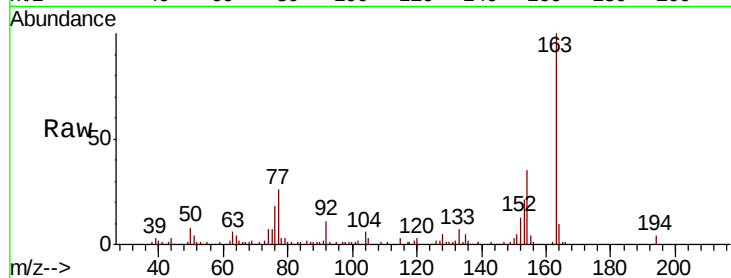
Tot Ion:163 Resp: 37282

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

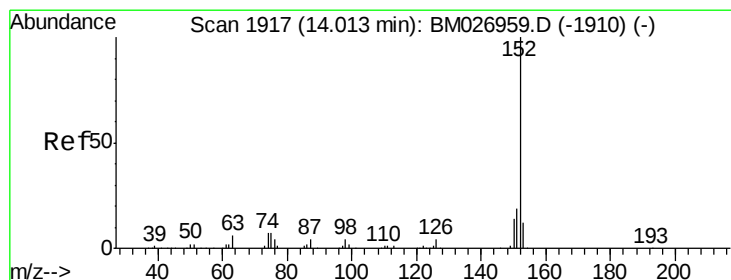
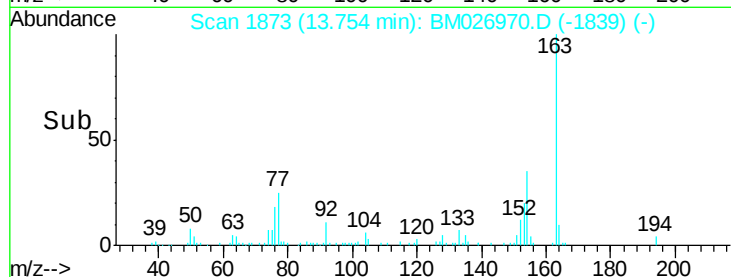
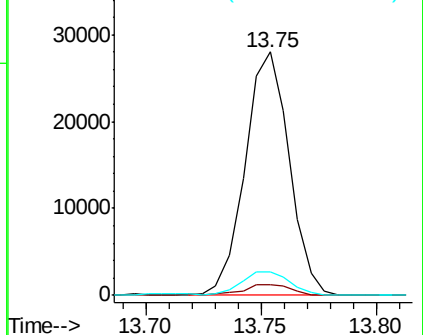
164 9.6 8.6 12.8



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: 14.317 ng/ul

RT: 14.01 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

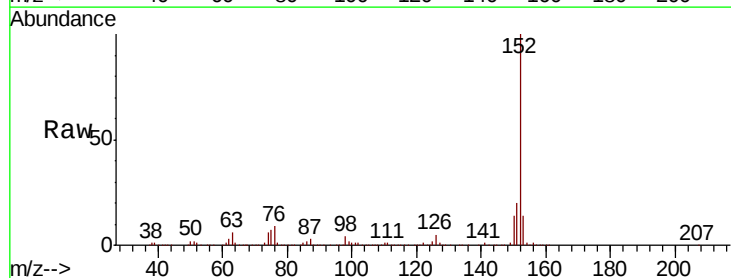
Tgt Ion:152 Resp: 402644

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

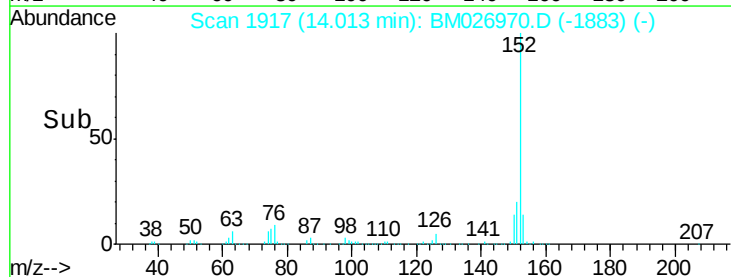
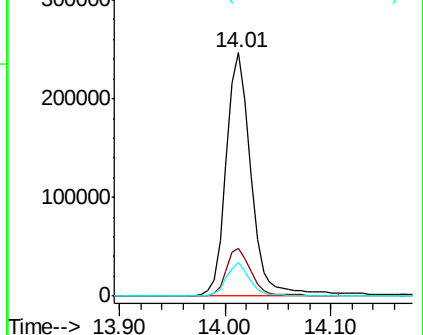
153 13.6 10.7 16.1

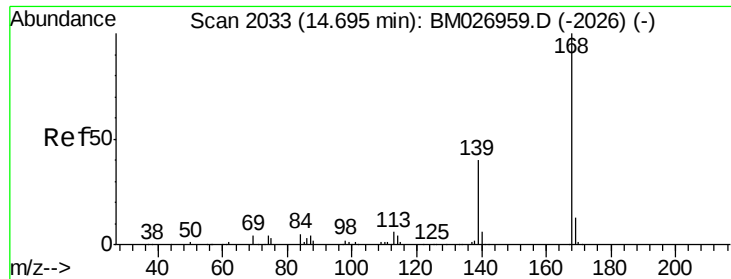


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#54

Dibenzofuran

Concen: 2.088 ng/ul

RT: 14.69 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

Instrument :

BNA_M

ClientSampleId :

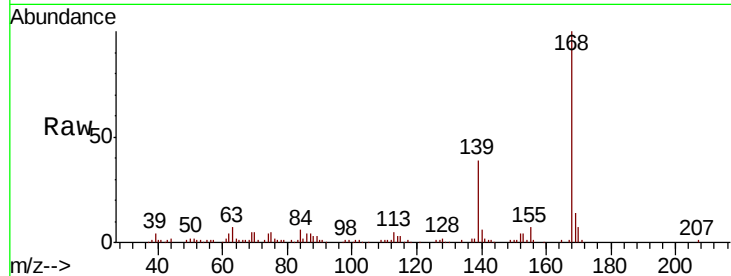
C0S93

Tot Ion:168 Resp: 56079

Ion Ratio Lower Upper

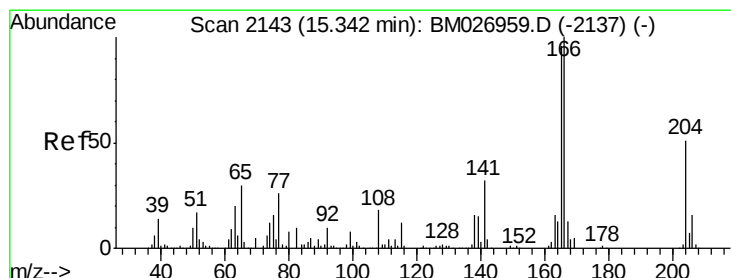
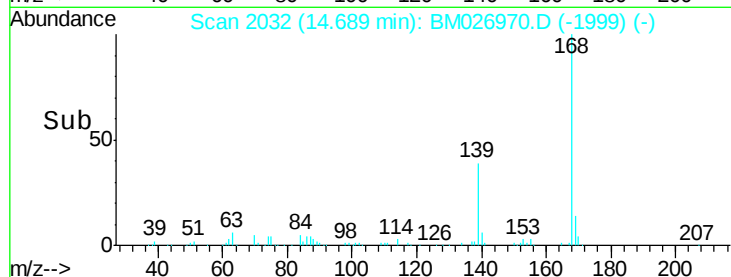
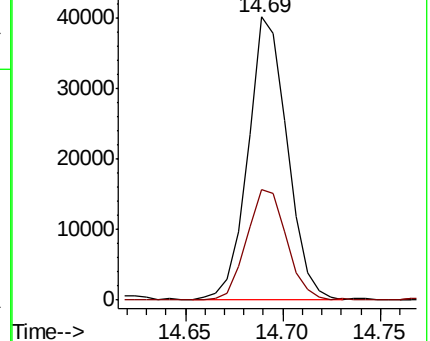
168 100

139 39.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 1.320 ng/ul

RT: 15.34 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

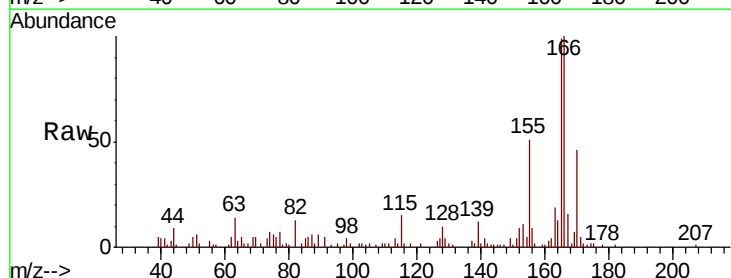
Tgt Ion:166 Resp: 29844

Ion Ratio Lower Upper

166 100

165 98.6 78.2 117.2

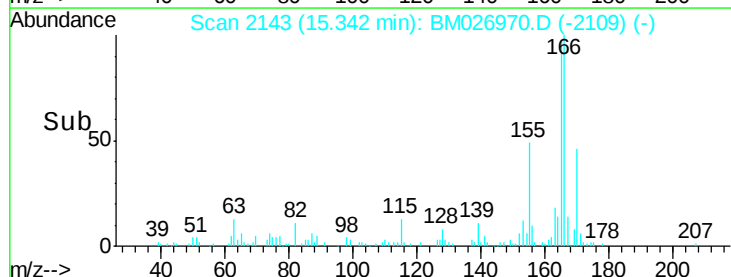
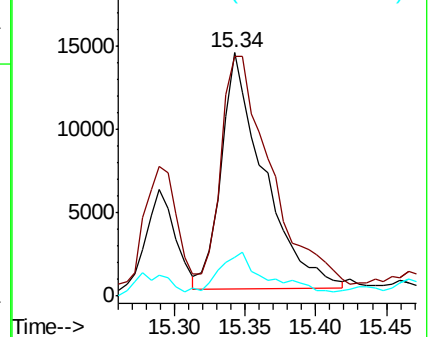
167 16.2 10.3 15.5#

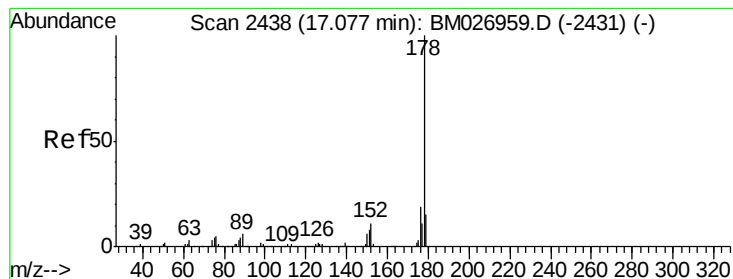


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 10.791 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0S93

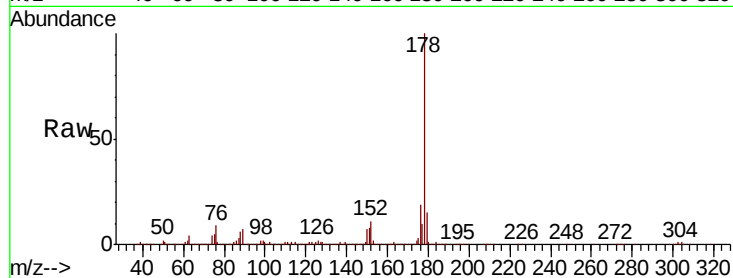
Tot Ion:178 Resp: 371065

Ion Ratio Lower Upper

178 100

179 15.0 12.0 18.0

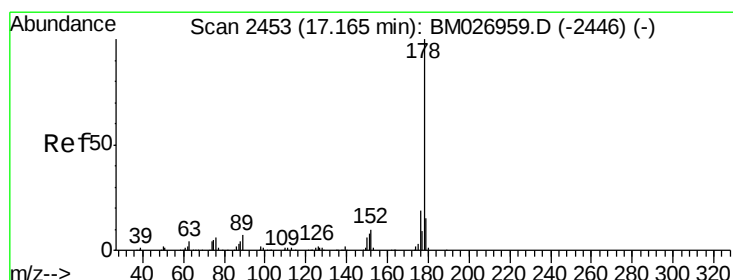
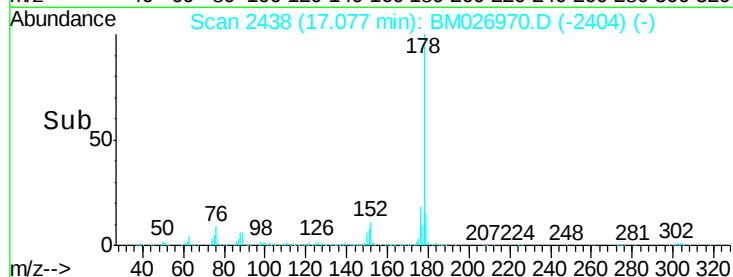
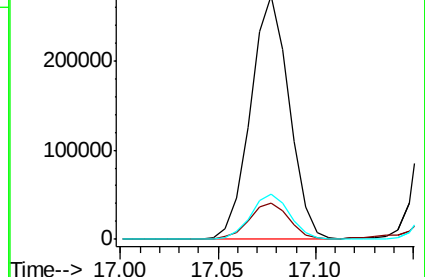
176 18.5 14.7 22.1



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: 16.494 ng/ul

RT: 17.17 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

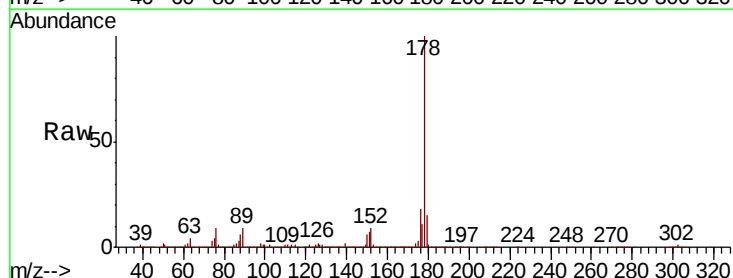
Tgt Ion:178 Resp: 582992

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.6

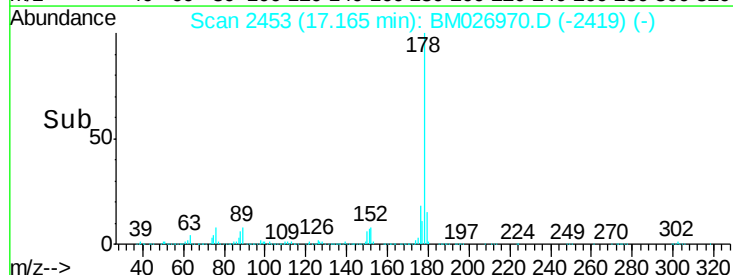
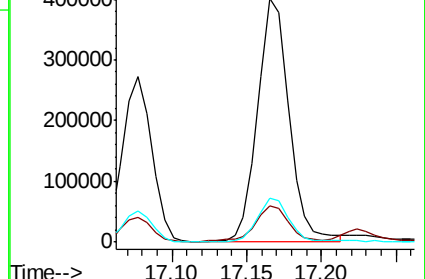
176 18.0 15.0 22.6

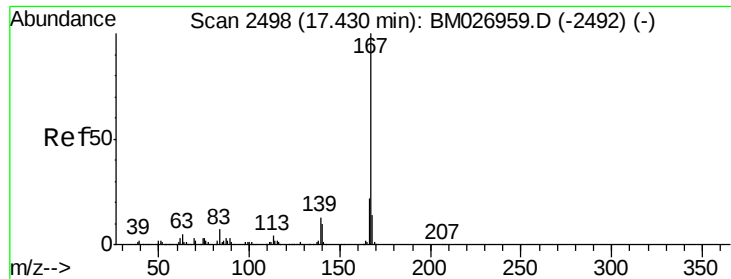


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

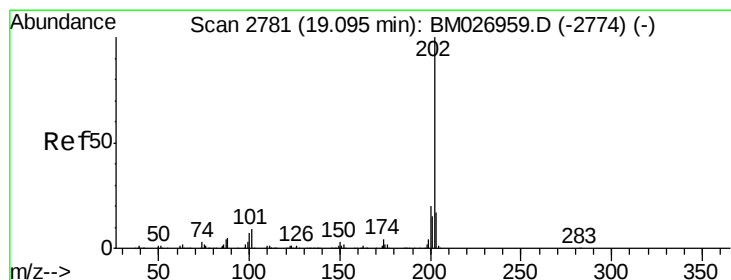
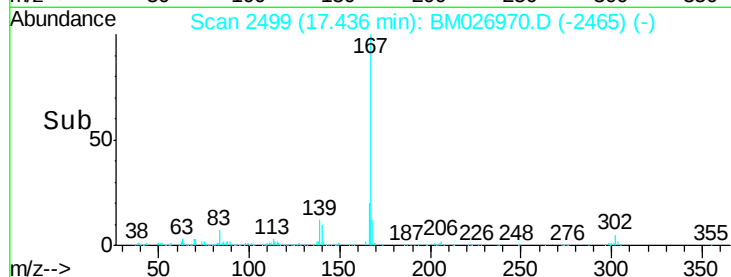
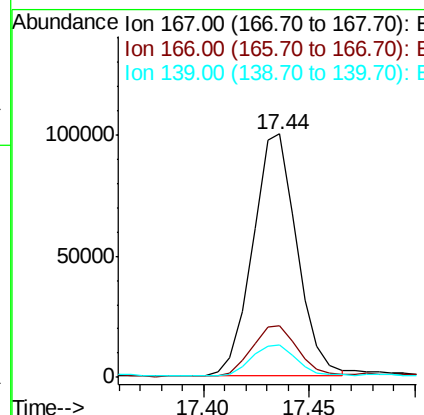
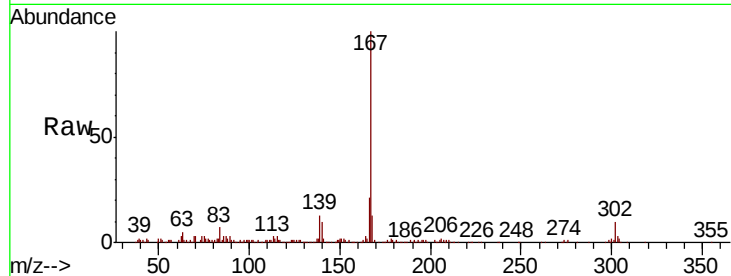




#75
 Carbazole
 Concen: 4.650 ng/ul
 RT: 17.44 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BM026970.D
 Acq: 31 Jul 2020 22:21

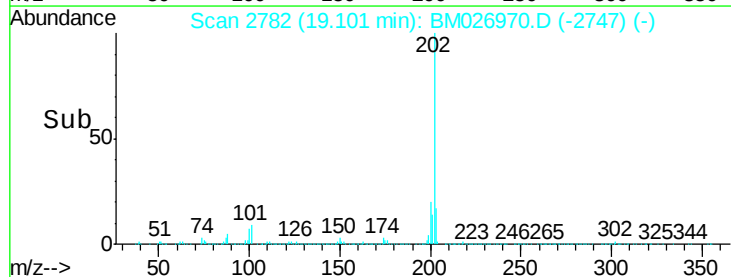
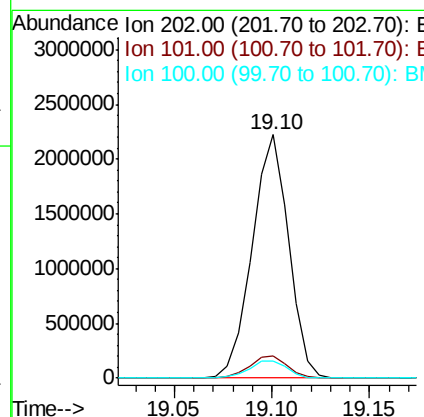
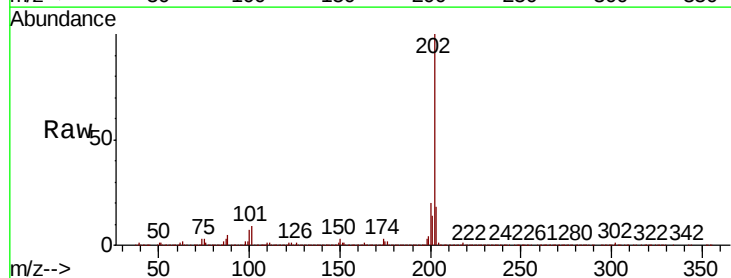
Instrument :
 BNA_M
 ClientSampled :
 C0S93

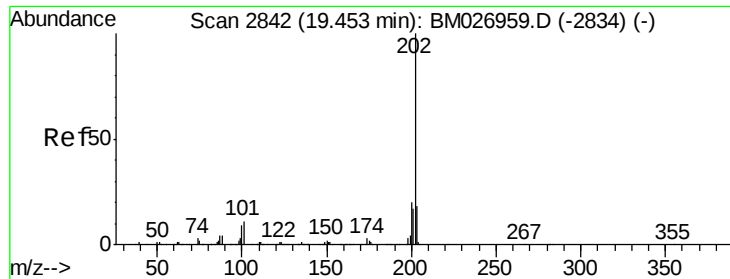
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	13.3	10.1	15.1



#77
 Fluoranthene
 Concen: 70.744 ng/ul
 RT: 19.10 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM026970.D
 Acq: 31 Jul 2020 22:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.7	11.5
100	7.2	6.2	9.4

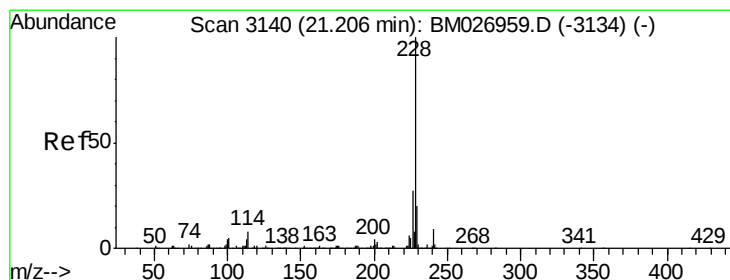
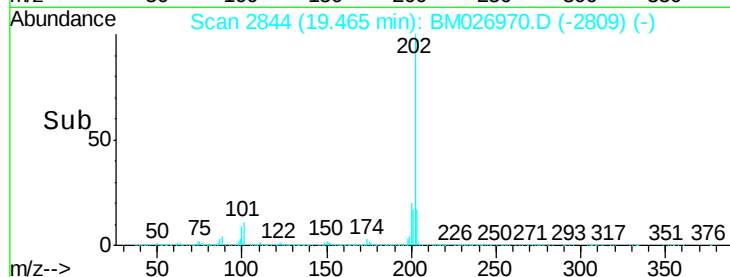
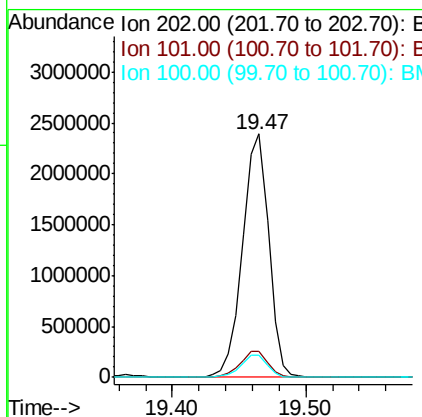
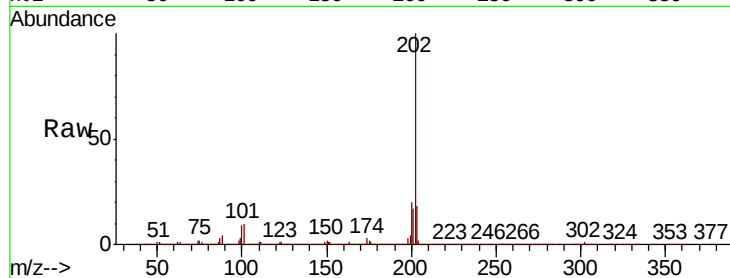




#80
Pvrene
Concen: 80.111 ng/ul
RT: 19.47 min Scan# 2844
Delta R.T. 0.01 min
Lab File: BM026970.D
Acq: 31 Jul 2020 22:21

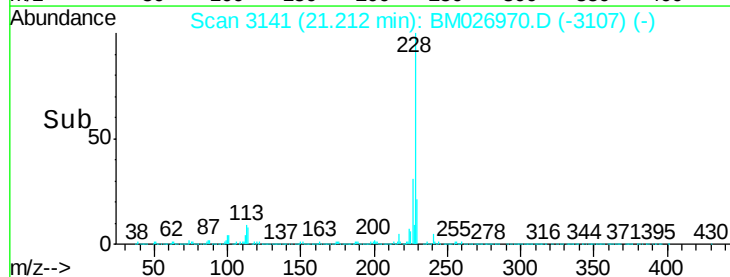
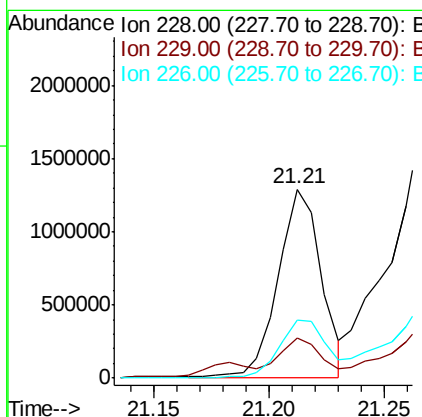
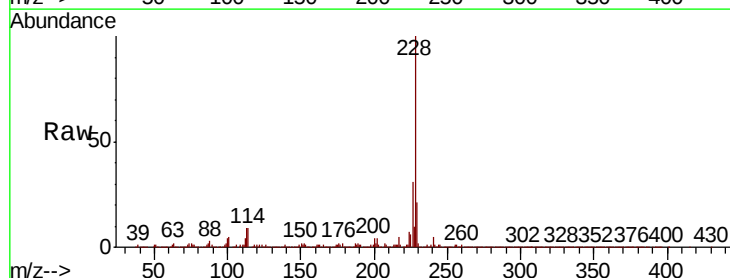
Instrument :
BNA_M
ClientSampleId :
C0S93

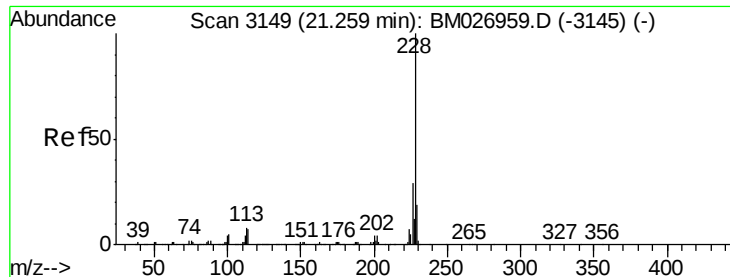
Tot Ion:202 Resp: 3226859
Ion Ratio Lower Upper
202 100
101 10.5 9.4 14.2
100 8.9 8.2 12.4



#83
Benzo(a)anthracene
Concen: 43.805 ng/ul
RT: 21.21 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BM026970.D
Acq: 31 Jul 2020 22:21

Tgt Ion:228 Resp: 1671623
Ion Ratio Lower Upper
228 100
229 21.4 15.4 23.2
226 31.0 20.9 31.3





#85

Chrysene

Concen: 71.074 ng/ul

RT: 21.27 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

Instrument :

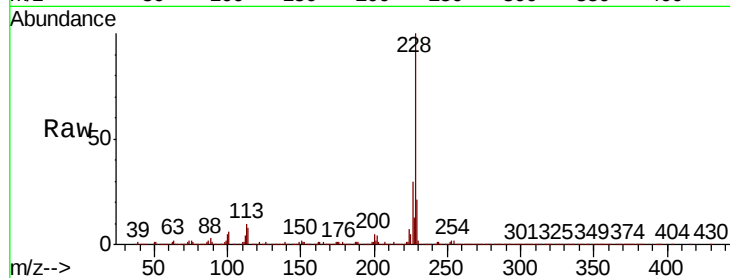
BNA_M

ClientSampleId :

C0S93

Tot Ion:228 Resp: 2644911

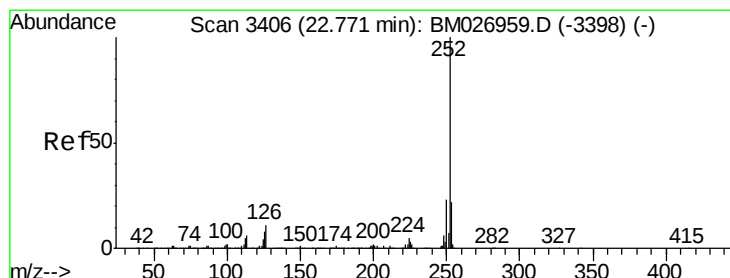
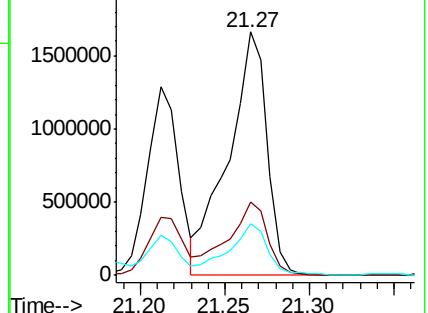
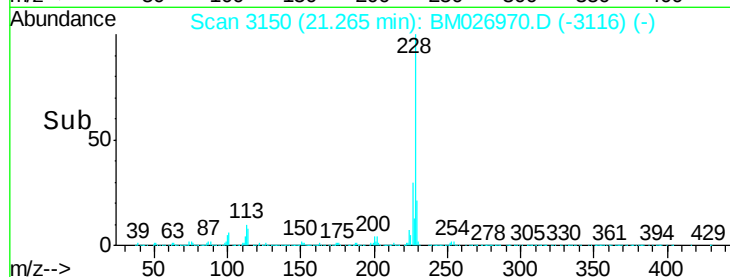
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.2	34.8
229	21.3	15.5	23.3



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: 125.507 ng/ul

RT: 22.79 min Scan# 3410

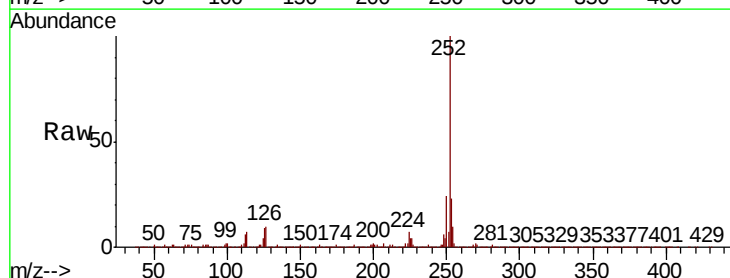
Delta R.T. 0.02 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

Tgt Ion:252 Resp: 5042668

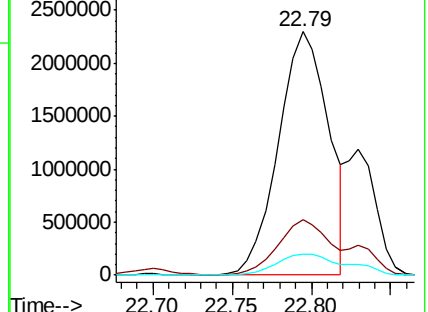
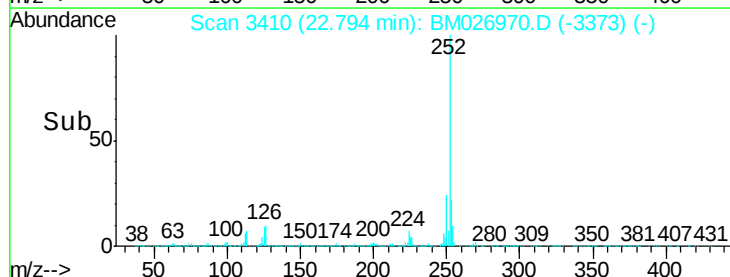
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	8.6	6.6	10.0

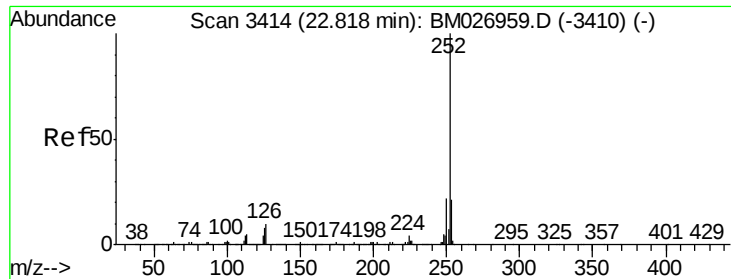


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 38.612 ng/ul

RT: 22.83 min Scan# 3416

Delta R.T. 0.01 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0S93

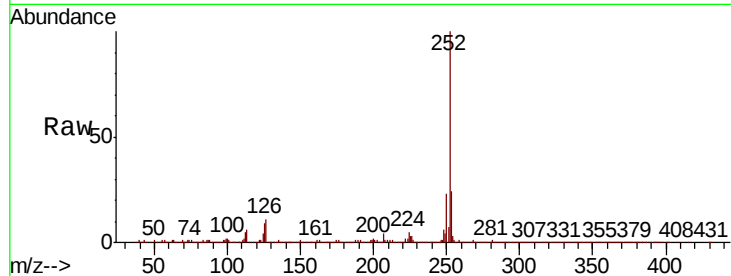
Tot Ion:252 Resp: 1488682

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 8.5 7.3 10.9

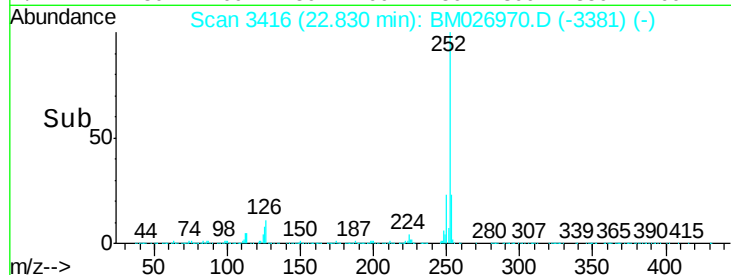


Abundance Ion 252.00 (251.70 to 252.70): E

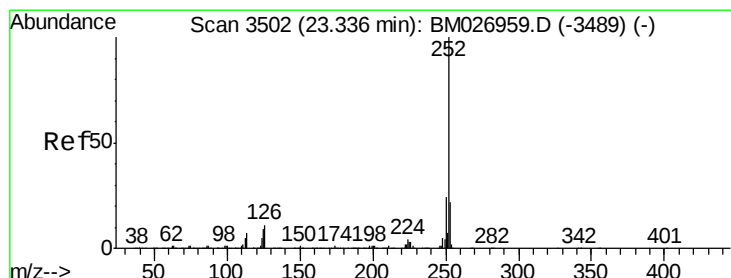
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#91

Benzo(a)pyrene

Concen: 44.858 ng/ul

RT: 23.35 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

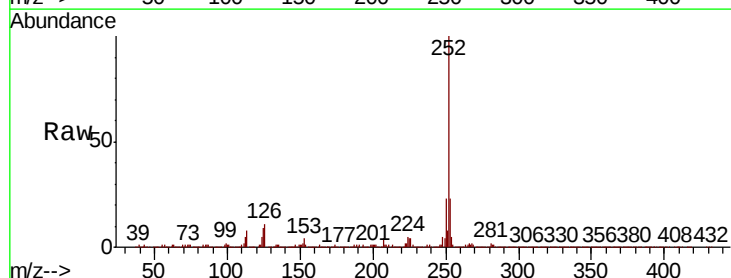
Tgt Ion:252 Resp: 1626340

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 9.1 8.2 12.2

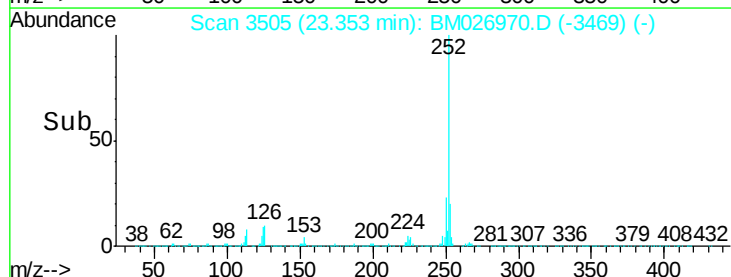


Abundance Ion 252.00 (251.70 to 252.70): E

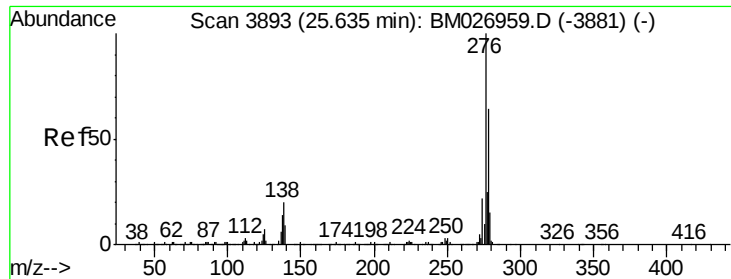
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



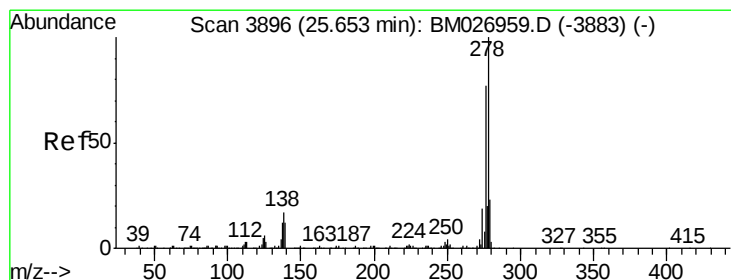
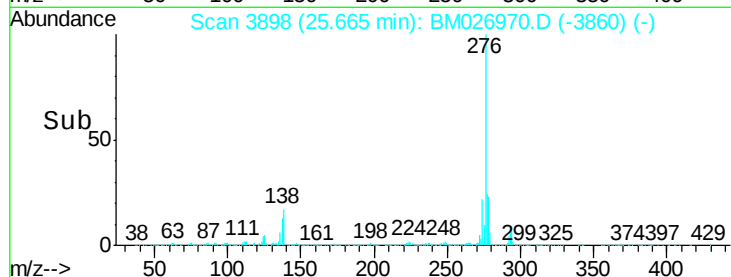
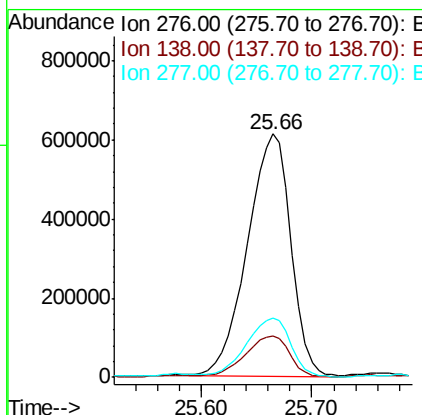
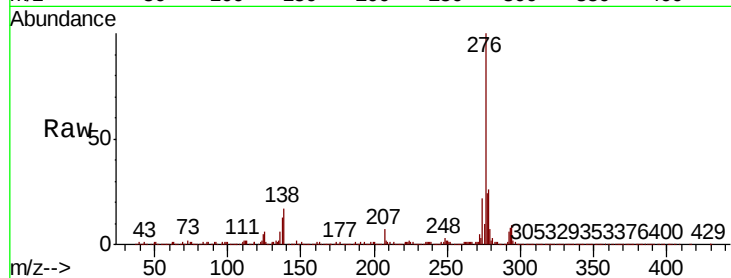
Time-->



#92
 Indeno(1,2,3-cd)pyrene
 Concen: 37.628 ng/ul
 RT: 25.66 min Scan# 3898
 Delta R.T. 0.02 min
 Lab File: BM026970.D
 Acq: 31 Jul 2020 22:21

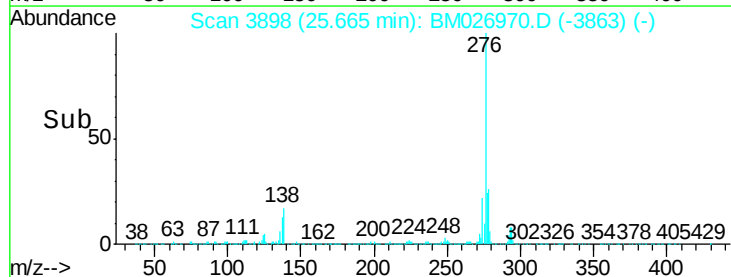
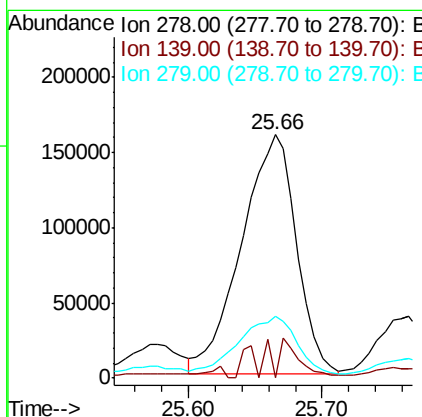
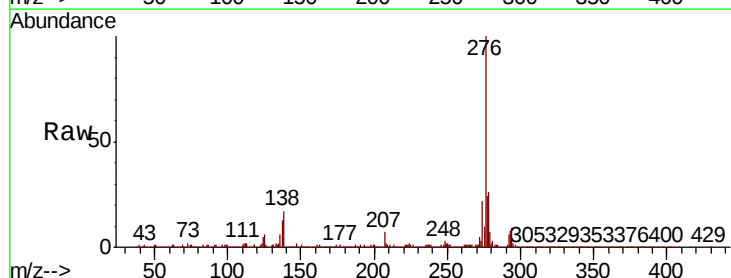
Instrument :
 BNA_M
 ClientSampleId :
 C0S93

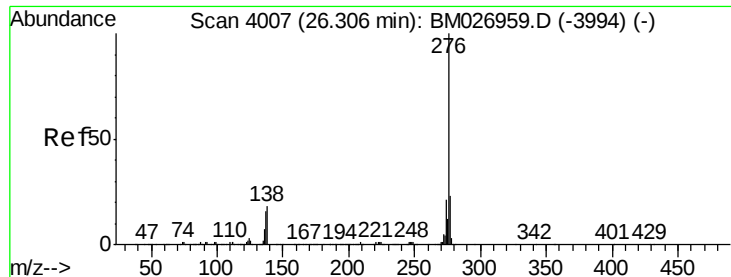
Tot Ion:276 Resp: 1692393
 Ion Ratio Lower Upper
 276 100
 138 17.0 17.0 25.4
 277 24.4 20.6 30.8



#93
 Dibenzo(a,h)anthracene
 Concen: 11.990 ng/ul
 RT: 25.66 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: BM026970.D
 Acq: 31 Jul 2020 22:21

Tgt Ion:278 Resp: 456114
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.9 16.3#
 279 25.5 19.4 29.2





#94

Benzo(a,h,i)perylene

Concen: 14.413 ng/ul

RT: 26.33 min Scan# 4011

Delta R.T. 0.01 min

Lab File: BM026970.D

Acq: 31 Jul 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0S93

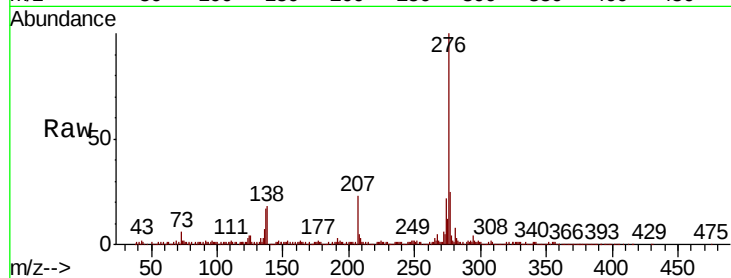
Tot Ion:276 Resp: 536022

Ion Ratio Lower Upper

276 100

138 18.0 14.9 22.3

277 25.3 19.1 28.7



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

