

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020419.D
 Acq On : 19 May 2019 03:30
 Operator : JU/SJ
 Sample : K2633-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 07:15:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	124562	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	478099	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.39	164	266741	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	531761	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	417501	20.00	ng/ul	0.02
85) Perylene-d12	23.62	264	511149	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	14726	4.36	ng/uL	0.00
5) Phenol-d5	6.90	99	279390	28.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	177335	28.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	210991	28.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	212150	29.32	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	102914	33.08	ng/ul	0.01
22) 2-Nitrophenol-d4	9.62	143	112496	32.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	217862	30.03	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	180995	24.16	ng/ul	0.01
43) Dimethylphthalate-d6	13.80	166	650001	33.87	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	779753	32.48	ng/ul	0.01
51) 4-Nitrophenol-d4	14.61	143	57111	20.49	ng/ul	0.01
57) Fluorene-d10	15.39	176	527023	30.88	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.53	200	36524	12.06	ng/ul	0.02
70) Anthracene-d10	17.24	188	738070	32.36	ng/ul	0.01
78) Pyrene-d10	19.54	212	724105	36.01	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.47	264	740883	31.90	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	6.93	94	50125	4.795	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.45	70	7153	1.015	ng/ul#	1
28) Naphthalene	10.58	128	159554	7.264	ng/ul	99
30) 4-Chloroaniline	10.58	127	20053	2.617	ng/ul#	13
34) 2-Methylnaphthalene	12.20	142	106021	6.666	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	35710	1.870	ng/ul	97
44) Dimethylphthalate	13.85	163	184766	9.732	ng/ul#	98
47) Acenaphthylene	14.12	152	381196	16.839	ng/ul	98
49) Acenaphthene	14.46	153	16366	1.052	ng/ul	95
58) Fluorene	15.45	166	90351	4.786	ng/ul	99
69) Phenanthrene	17.19	178	413959	16.338	ng/ul	99
71) Anthracene	17.28	178	230572	8.946	ng/ul	98
76) Fluoranthene	19.21	202	644168	20.127	ng/ul	99
79) Pyrene	19.57	202	1484150	59.226	ng/ul	98
82) Benzo(a)anthracene	21.37	228	558435	22.223	ng/ul	93
84) Chrysene	21.37	228	558435	23.254	ng/ul	95
87) Benzo(b)fluoranthene	22.93	252	879798	30.158	ng/ul	97
88) Benzo(k)fluoranthene	22.93	252	879798	30.704	ng/ul	99
90) Benzo(a)pyrene	23.52	252	968554	35.279	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.94	276	520658	16.644	ng/ul#	96
92) Dibenzo(a,h)anthracene	25.94	278	135747	5.074	ng/ul#	93
93) Benzo(a,h,i)perylene	26.66	276	484922	18.726	ng/ul	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: May 20 07:15:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

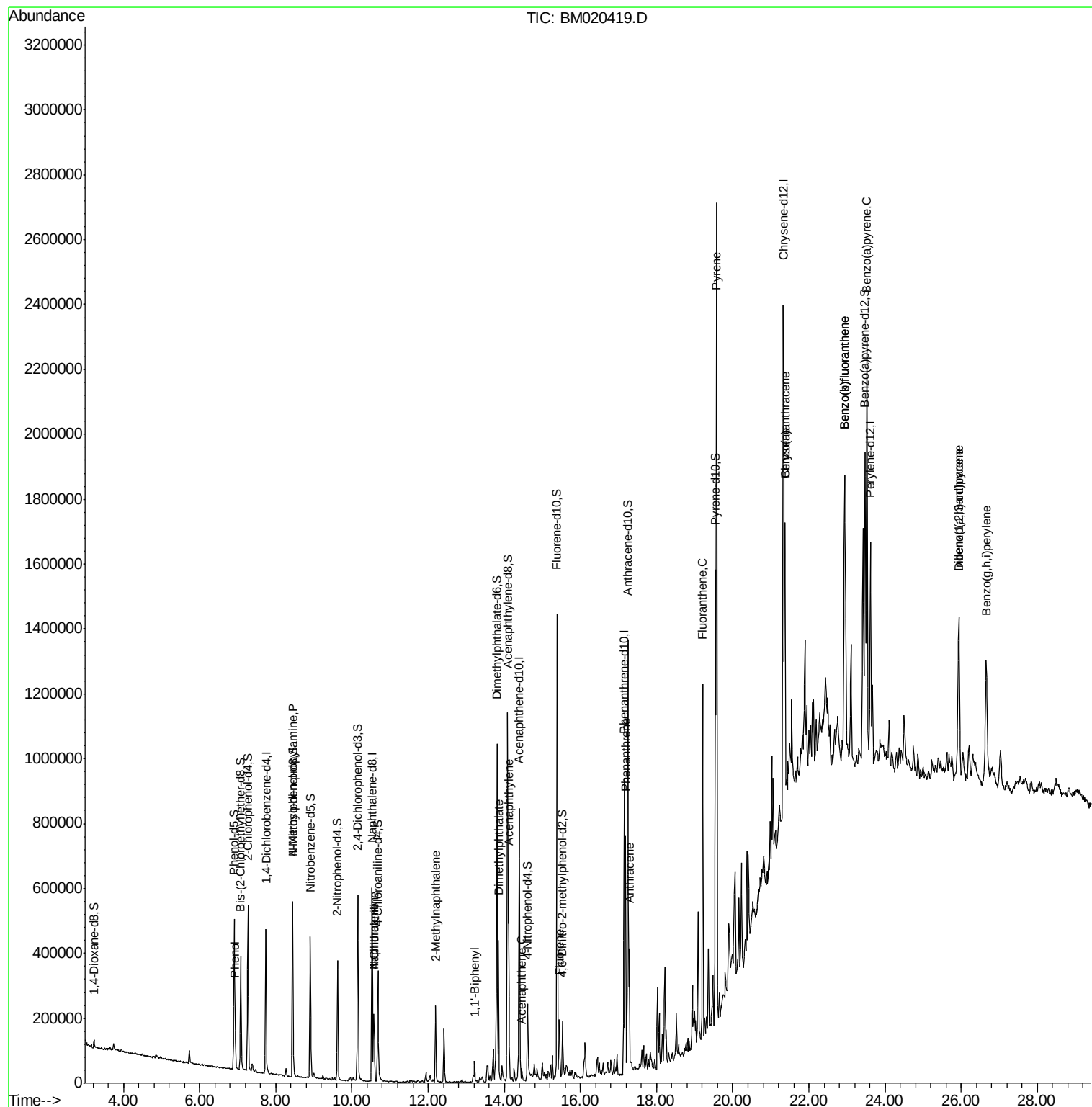
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

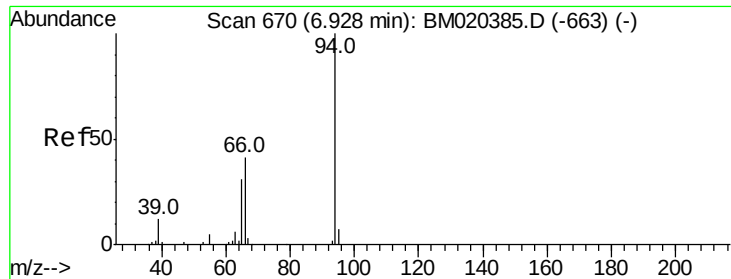
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: May 20 07:15:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration





#6

Phenol

Concen: 4.795 ng/ul

RT: 6.93 min Scan# 671

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

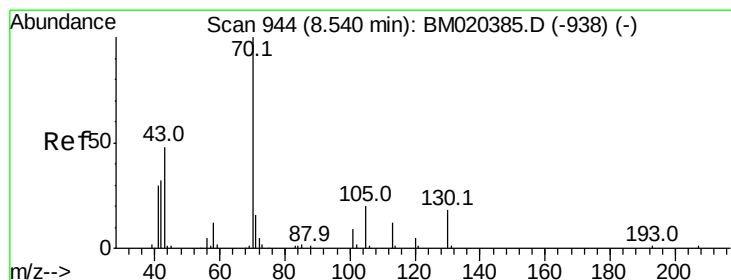
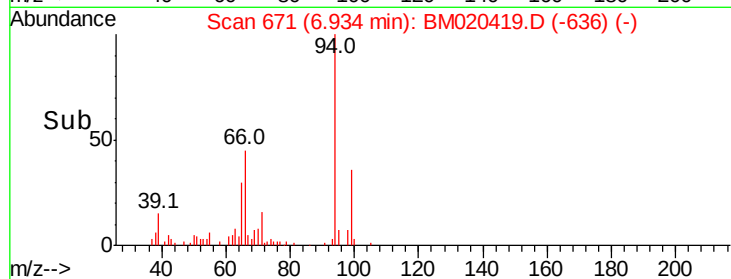
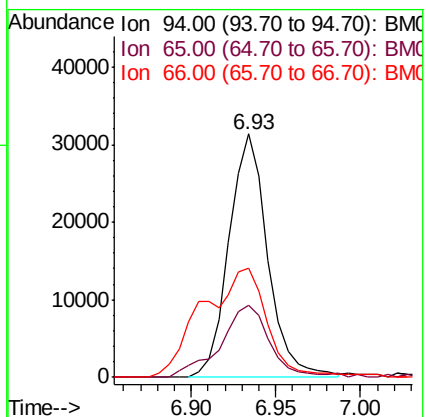
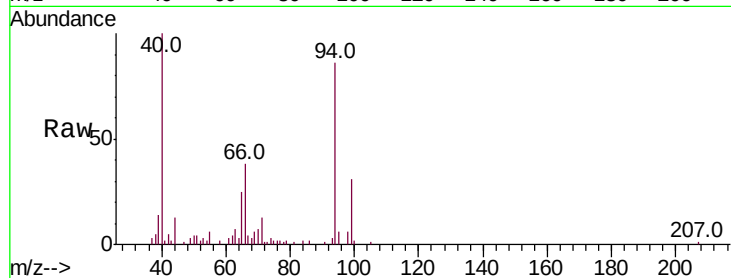
Tot Ion: 94 Resp: 50125

Ion Ratio Lower Upper

94 100

65 29.7 25.4 38.0

66 44.6 36.5 54.7



#15

N-Nitroso-di-n-propylamine

Concen: 1.015 ng/ul

RT: 8.45 min Scan# 928

Delta R.T. -0.09 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Tgt Ion: 70 Resp: 7153

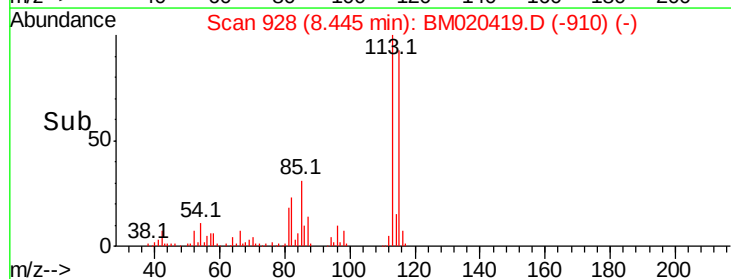
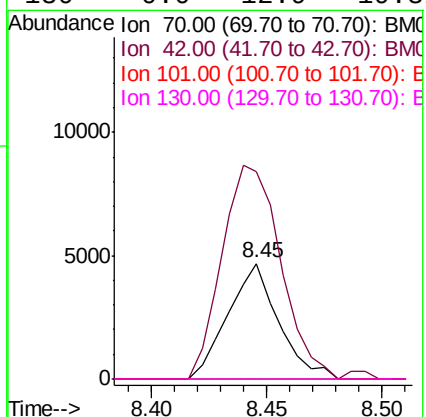
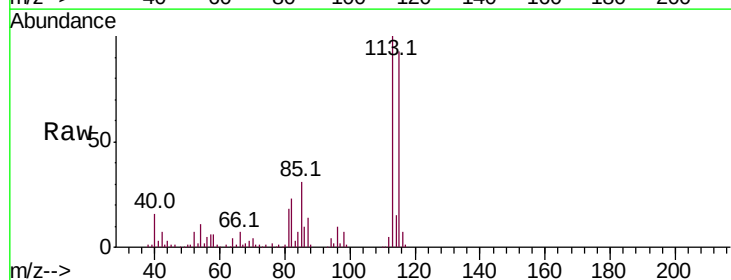
Ion Ratio Lower Upper

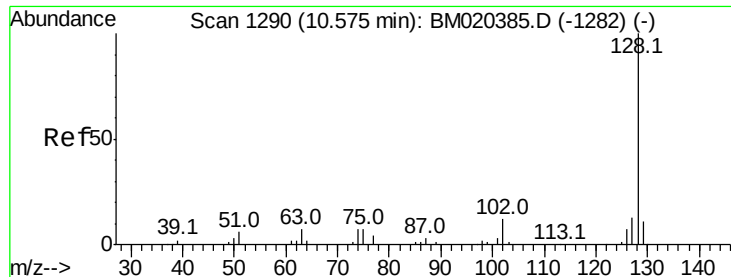
70 100

42 180.2 26.5 39.7#

101 0.0 7.2 10.8#

130 0.0 12.9 19.3#

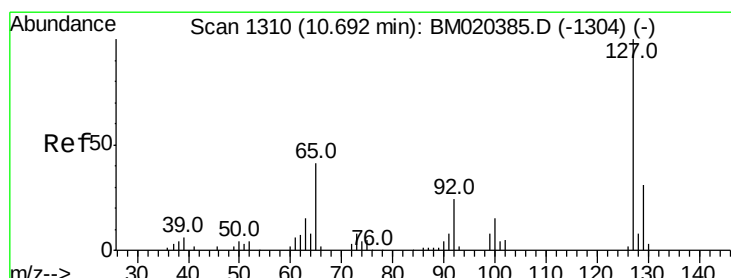
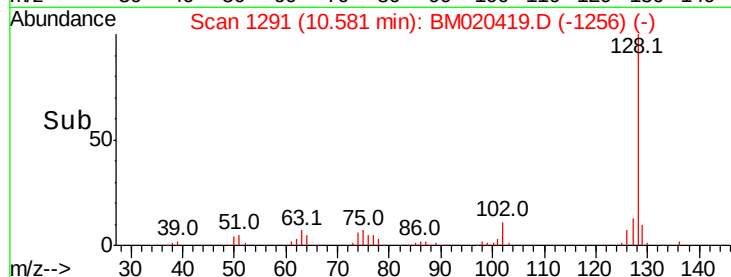
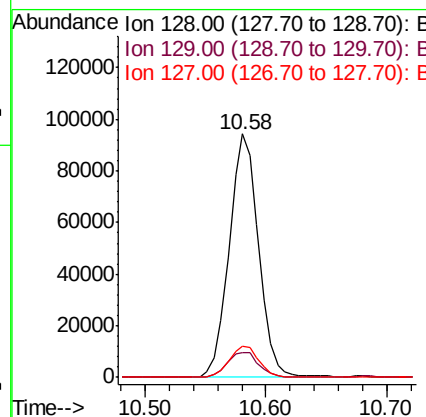
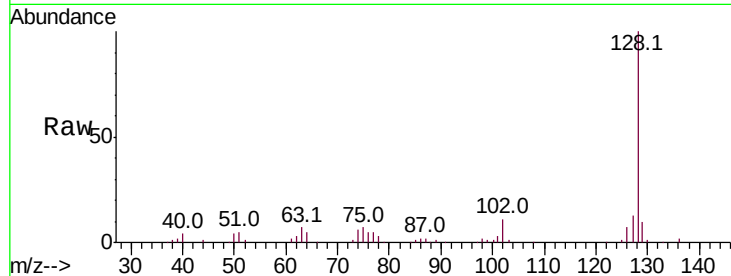




#28
Naphthalene
Concen: 7.264 ng/ul
RT: 10.58 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

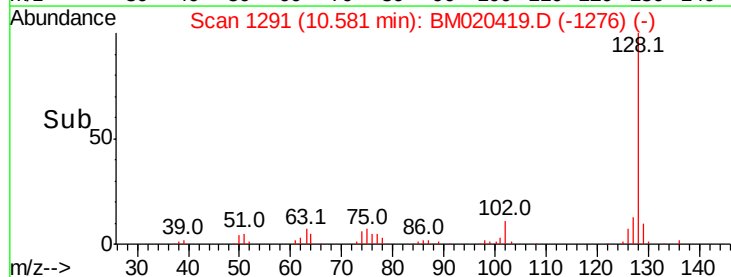
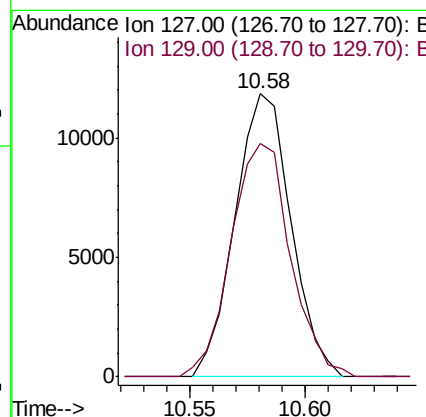
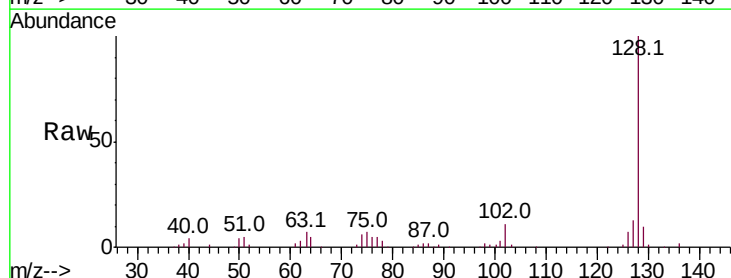
Instrument :
BNA_M
ClientSampleId :

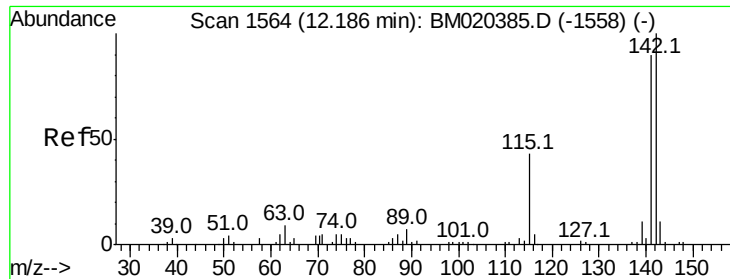
Tot Ion:128 Resp: 159554
Ion Ratio Lower Upper
128 100
129 10.4 8.6 13.0
127 12.6 10.6 15.8



#30
4-Chloroaniline
Concen: 2.617 ng/ul
RT: 10.58 min Scan# 1291
Delta R.T. -0.11 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Tgt Ion:127 Resp: 20053
Ion Ratio Lower Upper
127 100
129 82.5 26.5 39.7#

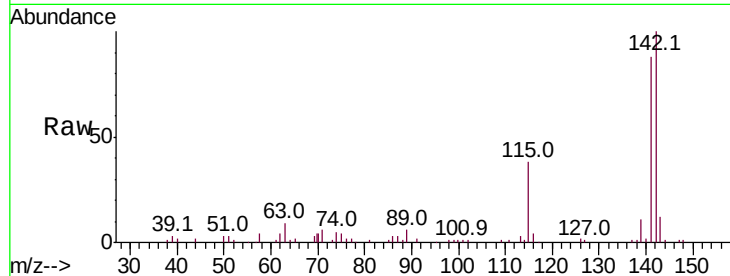




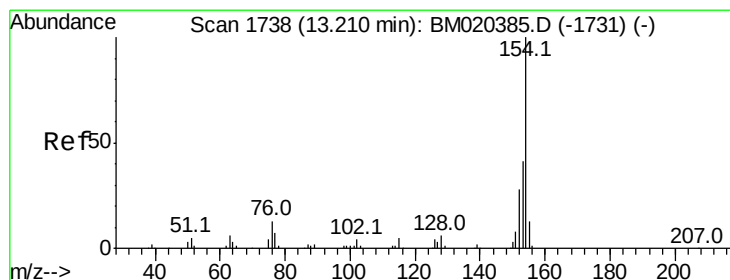
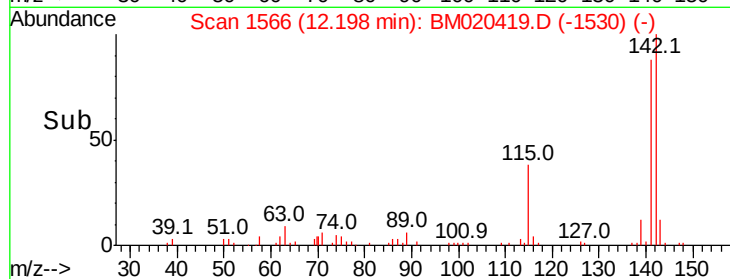
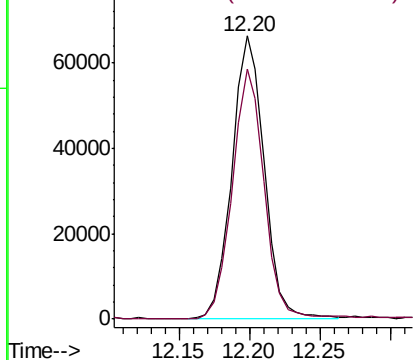
#34
 2-Methylnaphthalene
 Concen: 6.666 ng/ul
 RT: 12.20 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BM020419.D
 Acq: 19 May 2019 03:30

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:142 Resp: 106021
 Ion Ratio Lower Upper
 142 100
 141 88.4 68.6 102.8

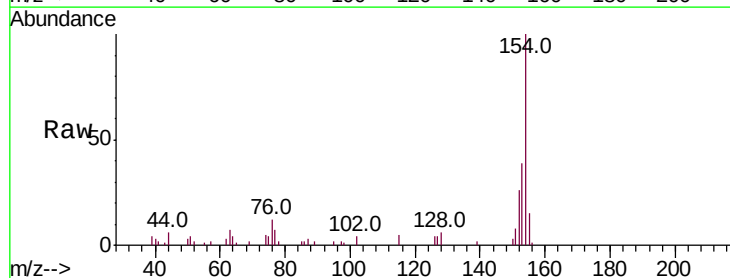


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

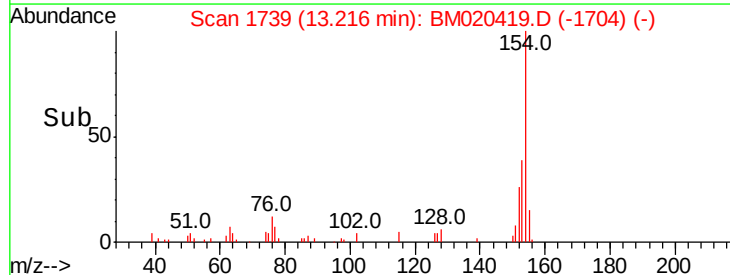
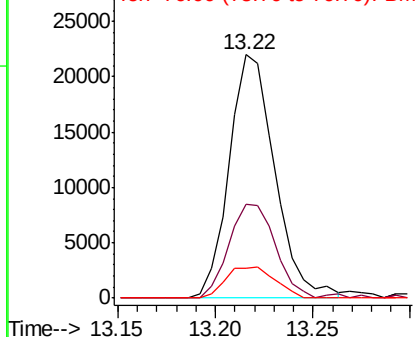


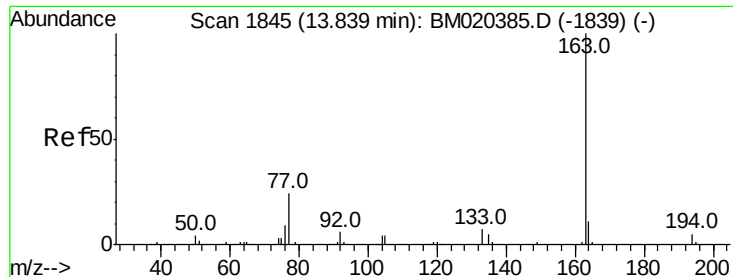
#40
 1,1'-Biphenyl
 Concen: 1.870 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020419.D
 Acq: 19 May 2019 03:30

Tgt Ion:154 Resp: 35710
 Ion Ratio Lower Upper
 154 100
 153 38.8 32.2 48.4
 76 12.0 11.0 16.4



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





#44

Dimethylphthalate

Concen: 9.732 ng/ul

RT: 13.85 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

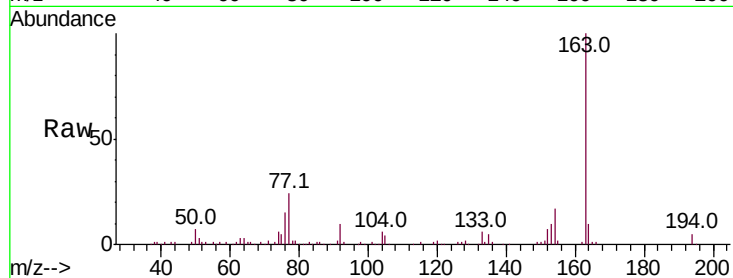
Tot Ion:163 Resp: 184766

Ion Ratio Lower Upper

163 100

194 5.2 3.3 4.9#

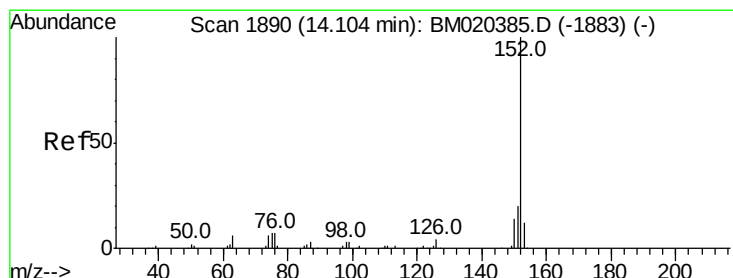
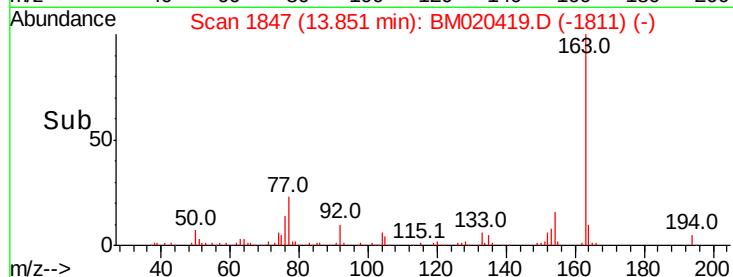
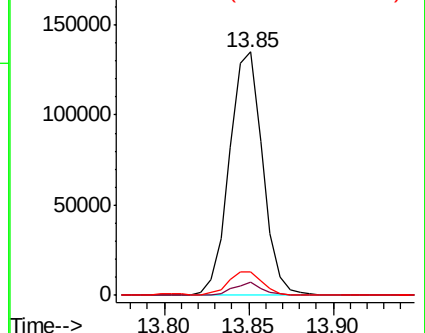
164 9.6 8.0 12.0



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



#47

Acenaphthylene

Concen: 16.839 ng/ul

RT: 14.12 min Scan# 1892

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

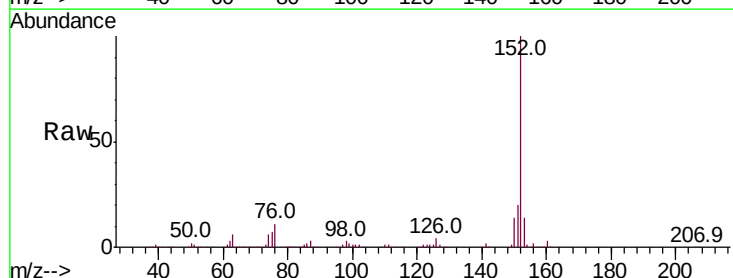
Tgt Ion:152 Resp: 381196

Ion Ratio Lower Upper

152 100

151 20.1 15.4 23.0

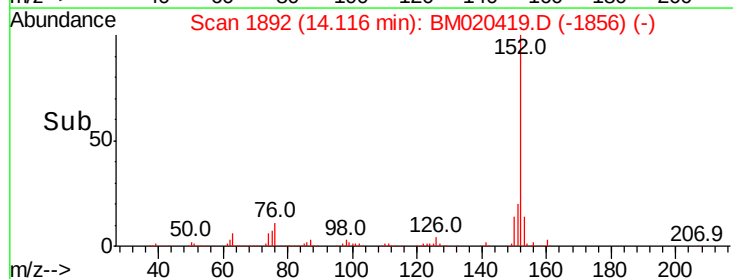
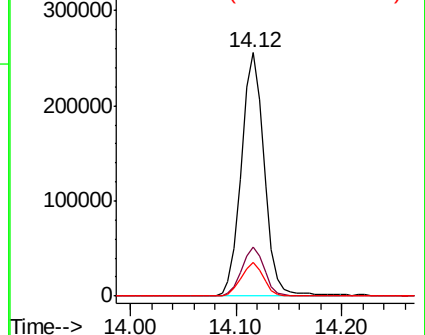
153 13.7 10.3 15.5

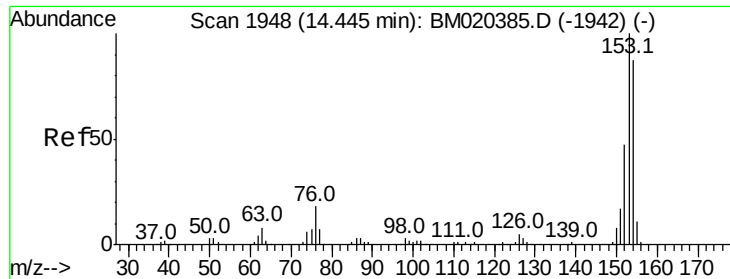


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.052 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

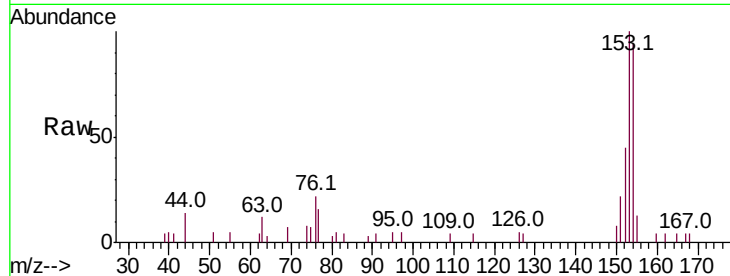
Tot Ion:153 Resp: 16366

Ion Ratio Lower Upper

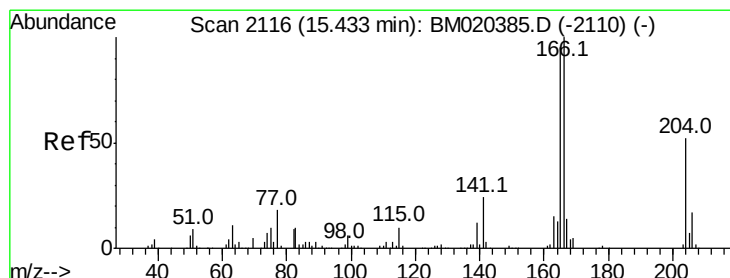
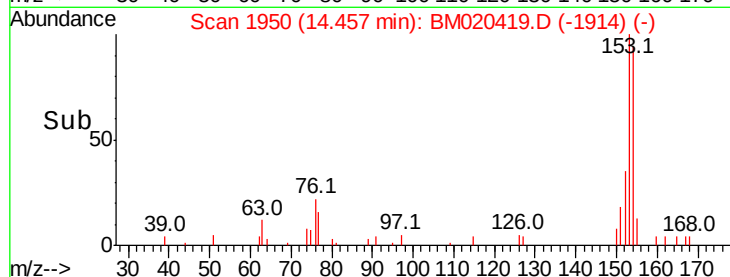
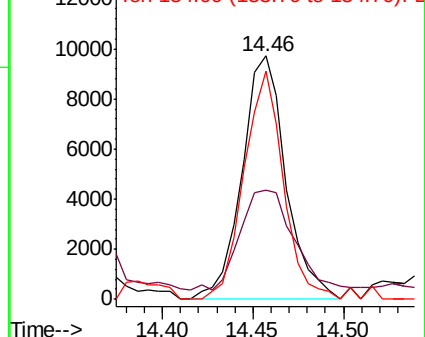
153 100

152 44.8 37.9 56.9

154 94.0 71.2 106.8



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



#58

Fluorene

Concen: 4.786 ng/ul

RT: 15.45 min Scan# 2118

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

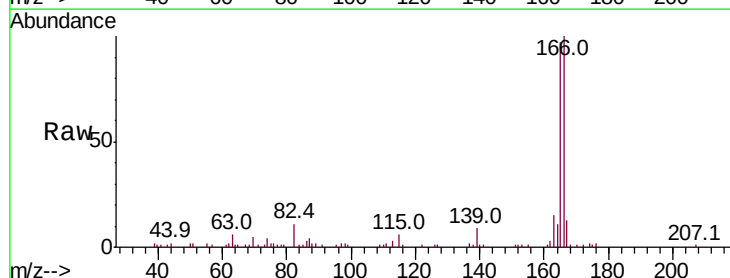
Tgt Ion:166 Resp: 90351

Ion Ratio Lower Upper

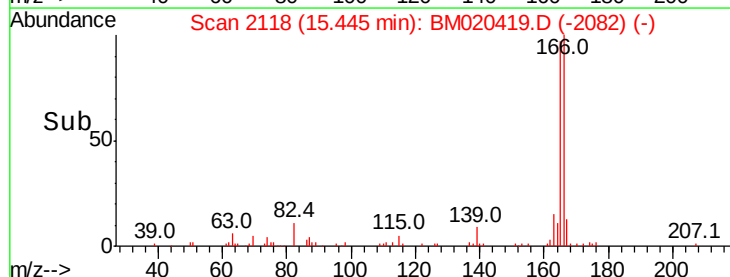
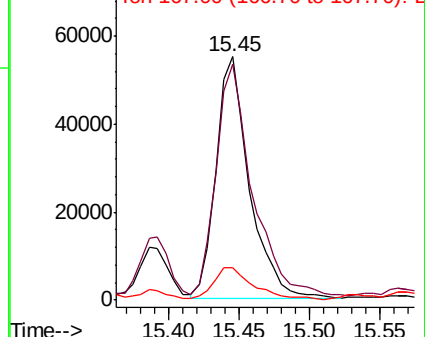
166 100

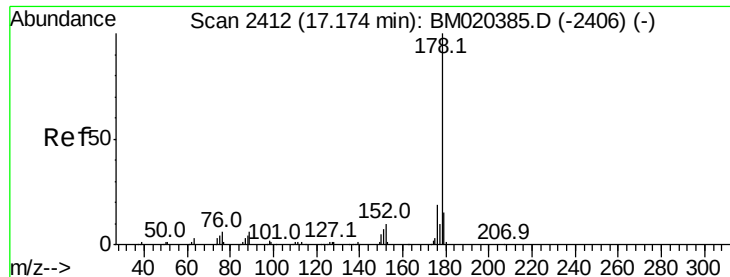
165 97.0 77.1 115.7

167 13.3 11.1 16.7



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





#69

Phenanthrene

Concen: 16.338 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

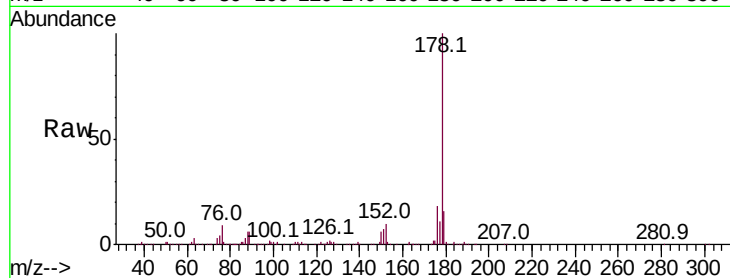
Tot Ion:178 Resp: 413959

Ion Ratio Lower Upper

178 100

179 15.6 11.9 17.9

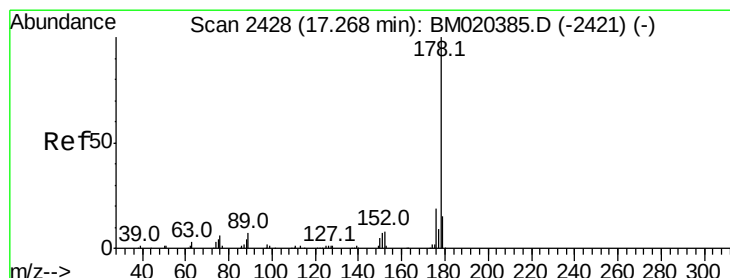
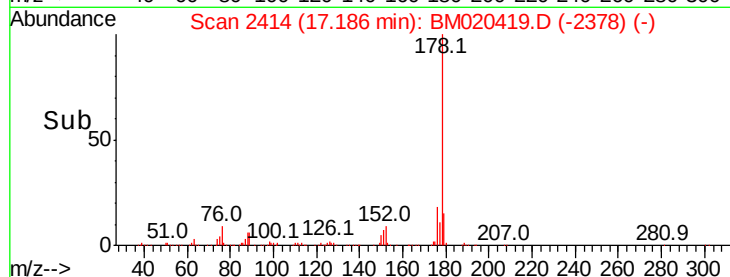
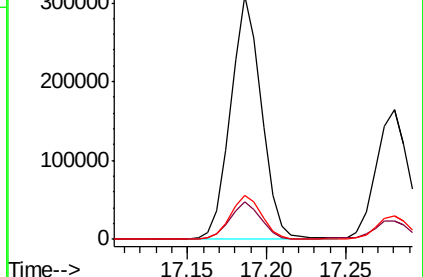
176 18.2 14.6 22.0



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



#71

Anthracene

Concen: 8.946 ng/ul

RT: 17.28 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

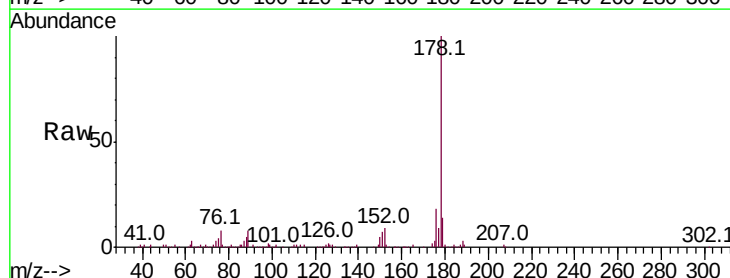
Tgt Ion:178 Resp: 230572

Ion Ratio Lower Upper

178 100

179 14.3 12.4 18.6

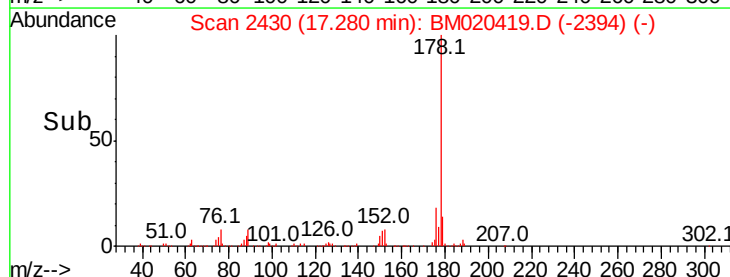
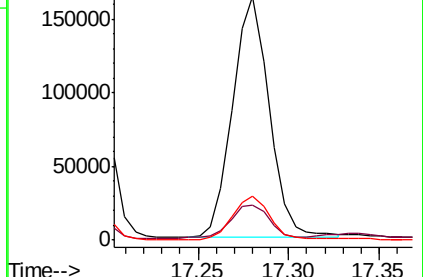
176 18.2 14.4 21.6

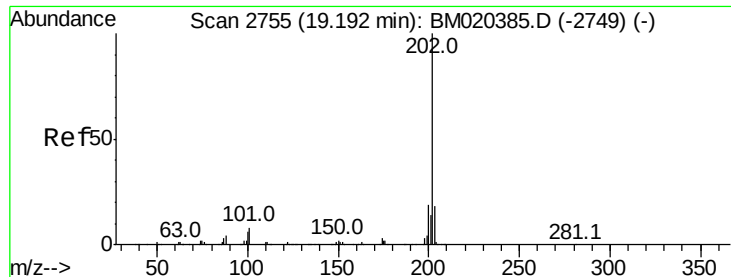


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

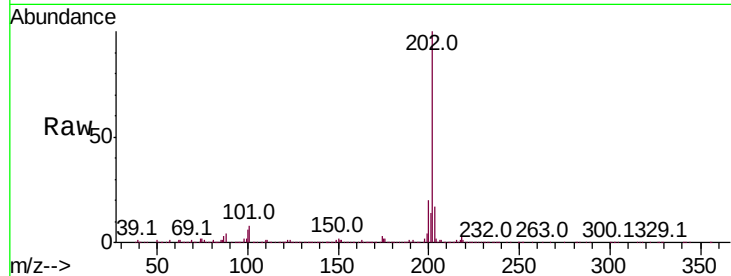




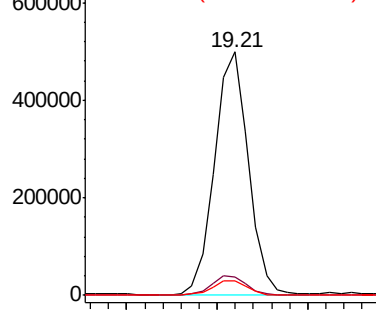
#76
Fluoranthene
Concen: 20.127 ng/ul
RT: 19.21 min Scan# 2758
Delta R.T. 0.02 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Instrument :
BNA_M
ClientSampleId :

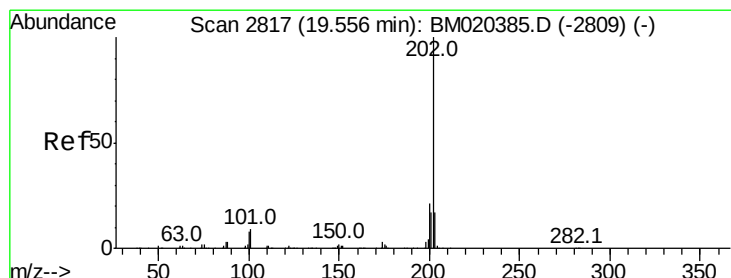
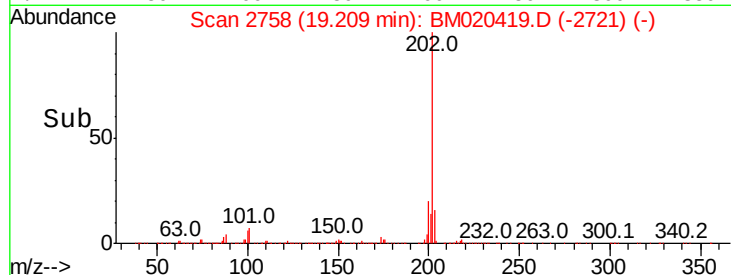
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.4	9.6
100	6.0	5.2	7.8



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

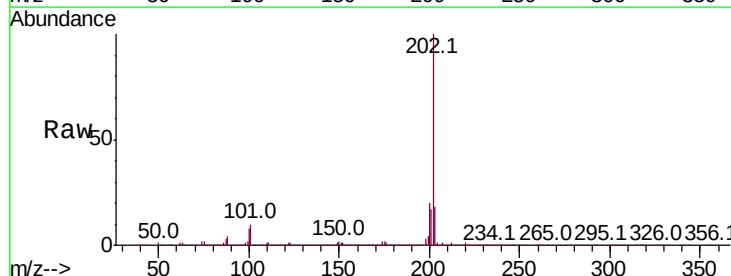


Time-->

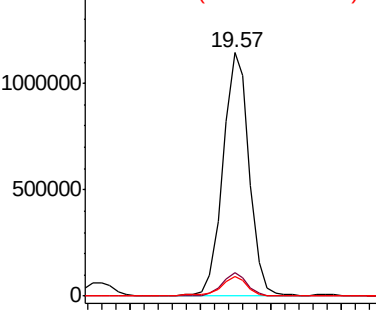


#79
Pyrene
Concen: 59.226 ng/ul
RT: 19.57 min Scan# 2820
Delta R.T. 0.02 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

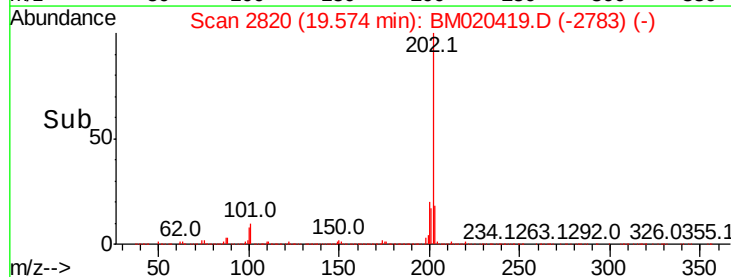
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.1	10.7
100	8.2	5.9	8.9

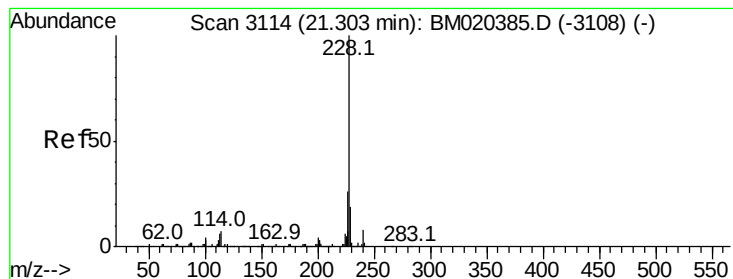


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





#82

Benzo(a)anthracene

Concen: 22.223 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. 0.07 min

Lab File: BM020419.D

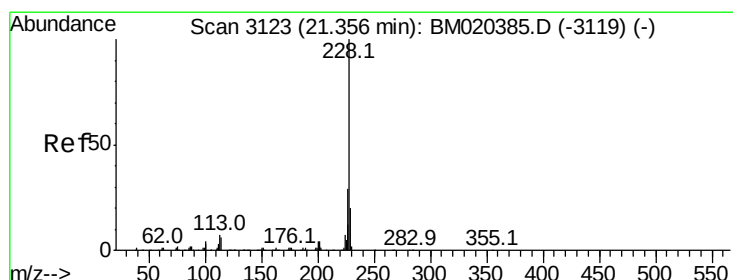
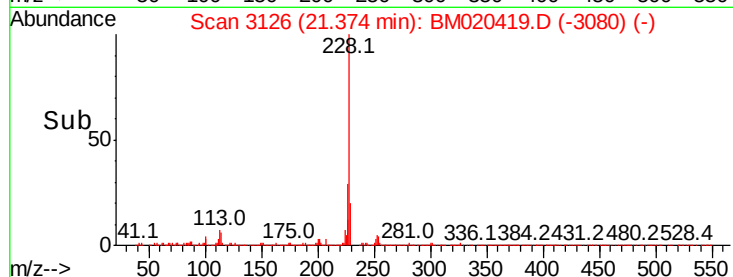
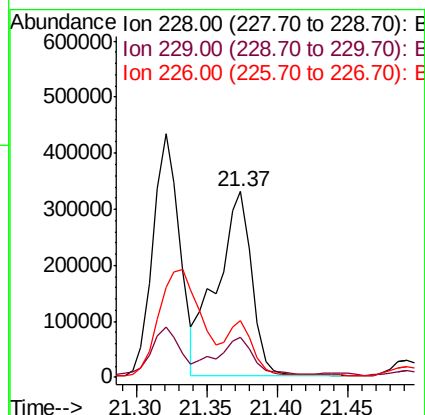
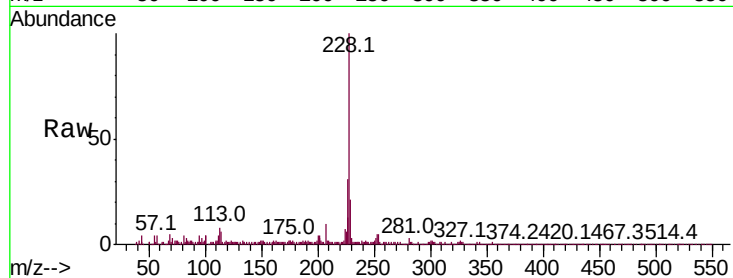
Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampled :

Tot Ion:228	Resp:	558435
Ion Ratio	Lower	Upper
228	100	
229	21.4	15.8 23.8
226	30.5	20.6 30.8



#84

Chrysene

Concen: 23.254 ng/ul

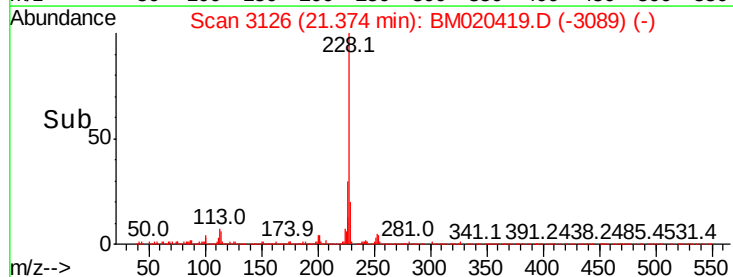
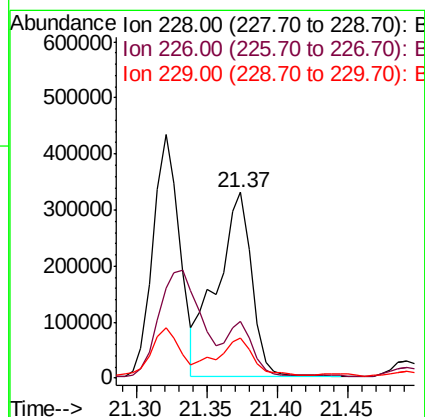
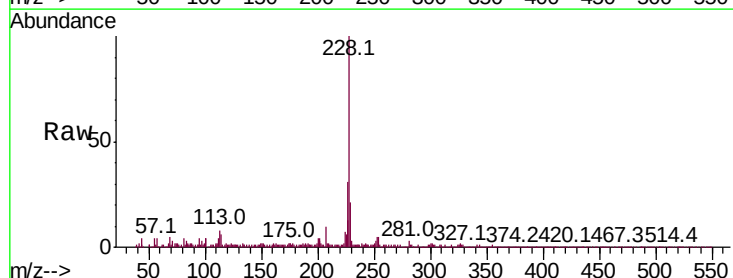
RT: 21.37 min Scan# 3126

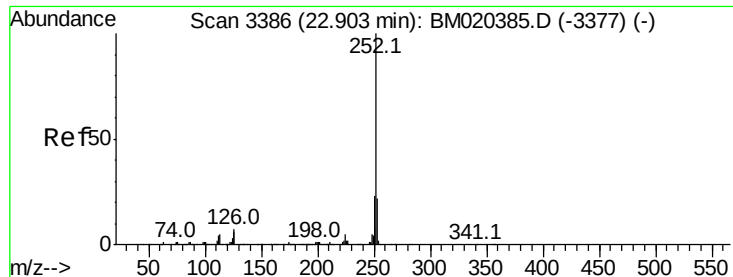
Delta R.T. 0.02 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Tgt Ion:228	Resp:	558435
Ion Ratio	Lower	Upper
228	100	
226	30.5	22.2 33.4
229	21.4	15.4 23.2





#87

Benzo(b)fluoranthene

Concen: 30.158 ng/ul

RT: 22.93 min Scan# 3391

Delta R.T. 0.03 min

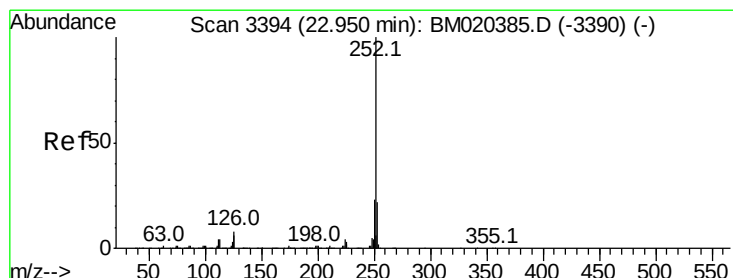
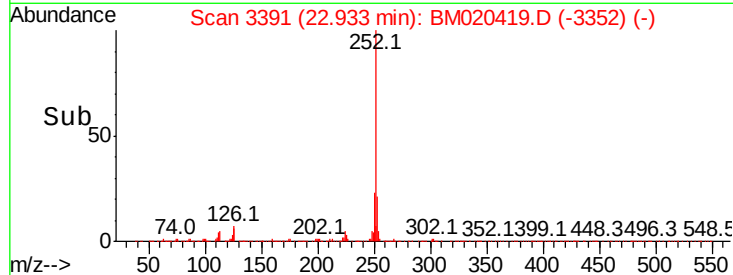
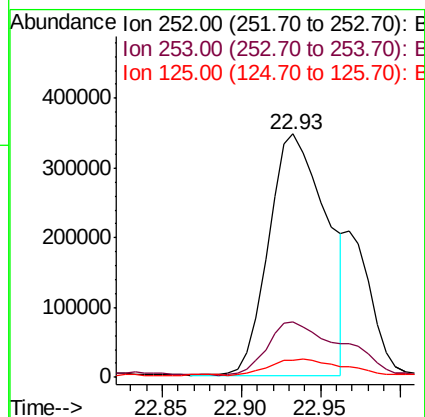
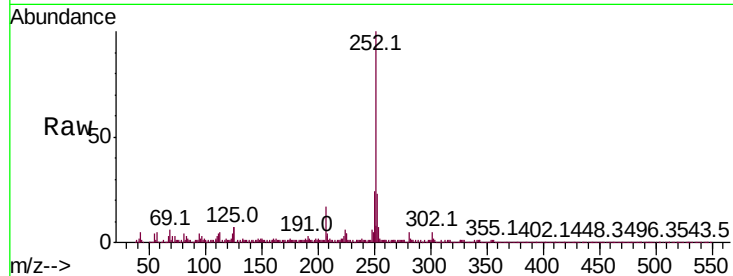
Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 879798

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	7.0	5.0	7.4



#88

Benzo(k)fluoranthene

Concen: 30.704 ng/ul

RT: 22.93 min Scan# 3391

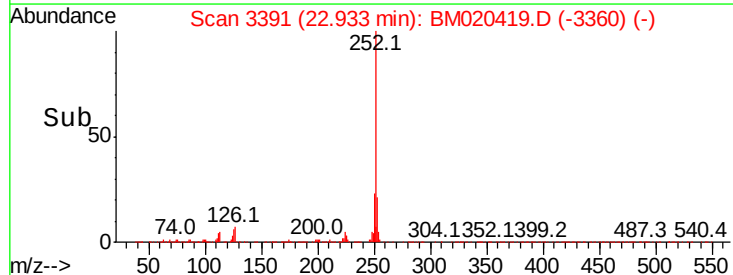
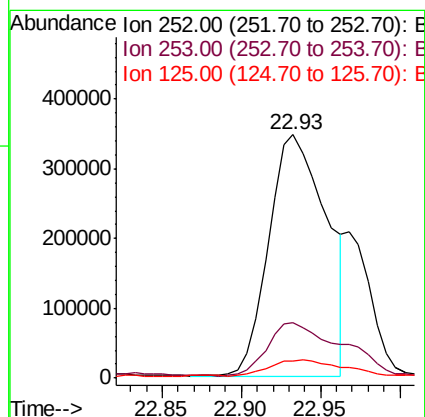
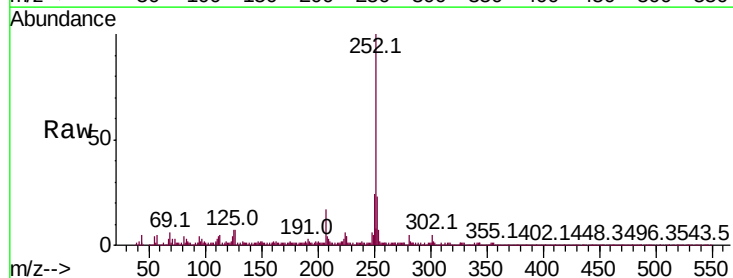
Delta R.T. -0.02 min

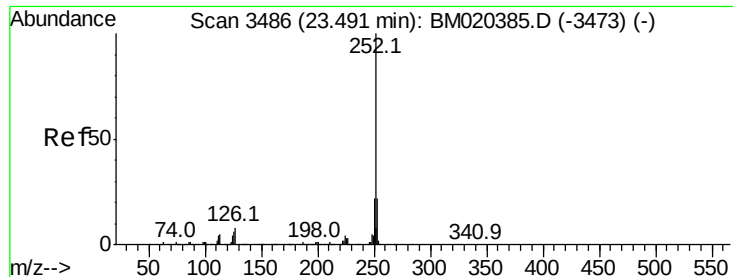
Lab File: BM020419.D

Acq: 19 May 2019 03:30

Tgt Ion:252 Resp: 879798

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	7.0	5.0	7.6





#90

Benzo(a)pyrene

Concen: 35.279 ng/ul

RT: 23.52 min Scan# 3491

Delta R.T. 0.03 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

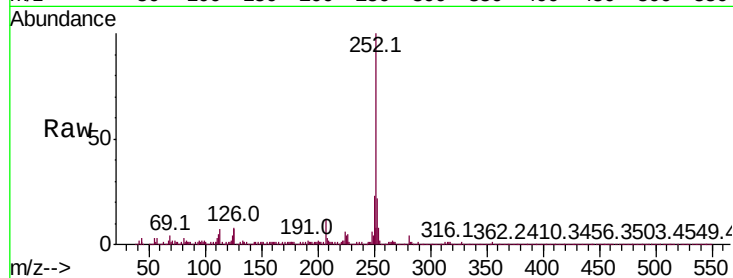
Tot Ion:252 Resp: 968554

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

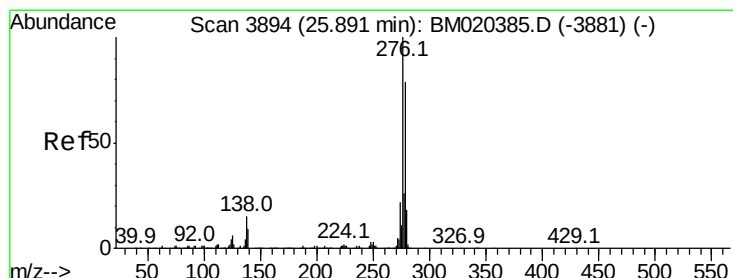
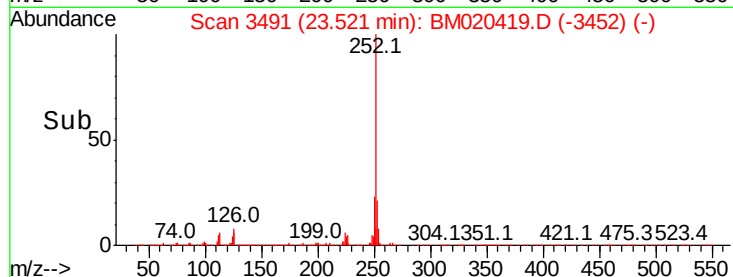
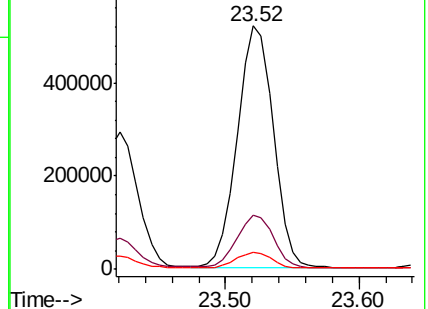
125 7.0 5.4 8.2



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

Indeno(1,2,3-cd)pyrene

Concen: 16.644 ng/ul

RT: 25.94 min Scan# 3902

Delta R.T. 0.05 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

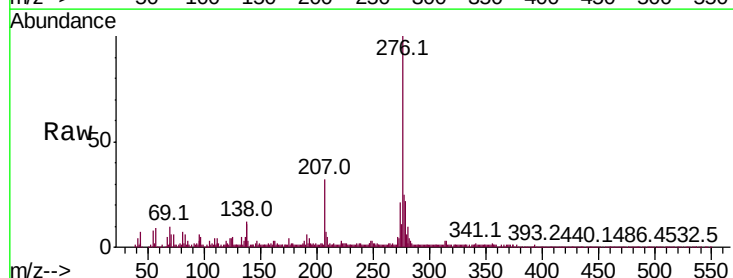
Tgt Ion:276 Resp: 520658

Ion Ratio Lower Upper

276 100

138 11.8 12.3 18.5#

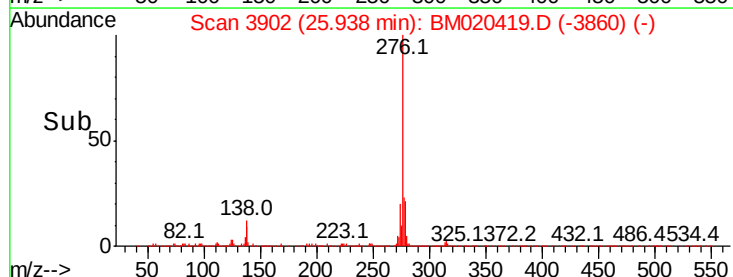
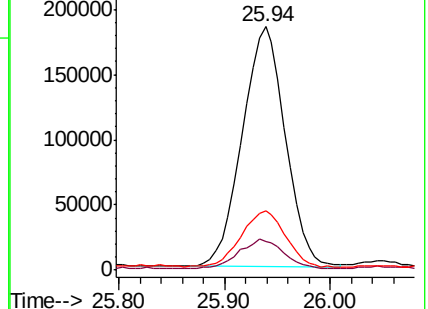
277 24.6 20.0 30.0

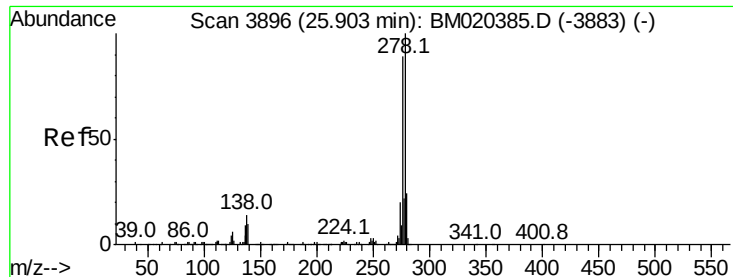


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 5.074 ng/ul

RT: 25.94 min Scan# 3902

Delta R.T. 0.04 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

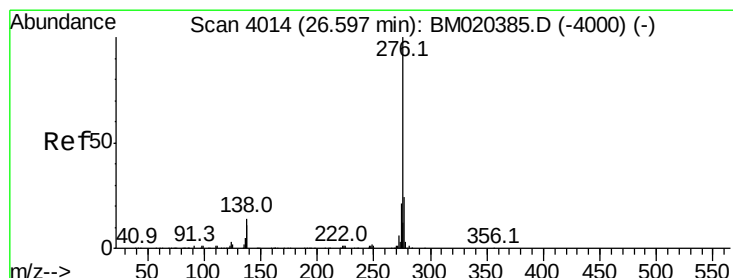
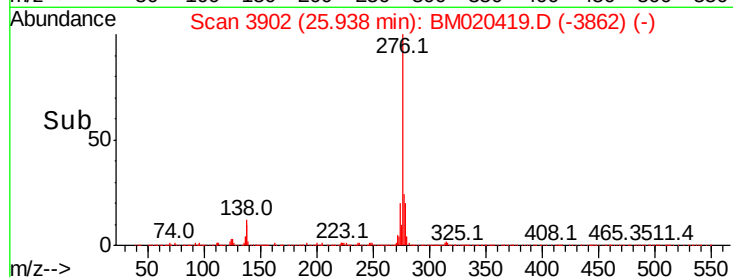
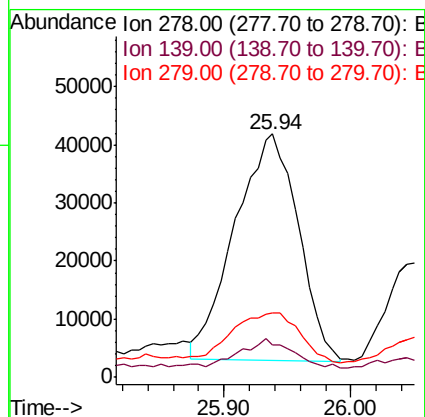
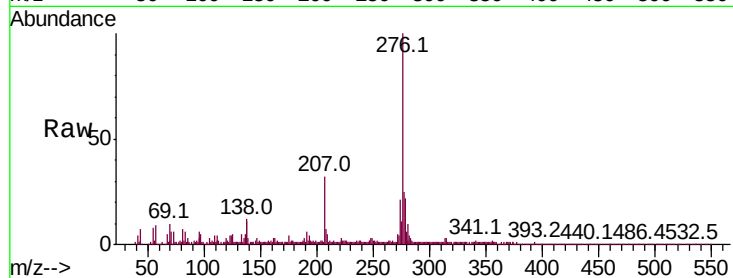
Tot Ion:278 Resp: 135747

Ion Ratio Lower Upper

278 100

139 13.2 8.1 12.1#

279 26.6 18.7 28.1



#93

Benzo(g,h,i)perylene

Concen: 18.726 ng/ul

RT: 26.66 min Scan# 4024

Delta R.T. 0.06 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Tgt Ion:276 Resp: 484922

Ion Ratio Lower Upper

276 100

138 12.6 10.0 15.0

277 24.7 18.2 27.4

