

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020416.D
 Acq On : 19 May 2019 01:41
 Operator : JU/SJ
 Sample : K2633-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 07:15:09 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	118724	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	451915	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.40	164	242720	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.15	188	466625	20.00	ng/ul	0.02
77) Chrysene-d12	21.34	240	451359	20.00	ng/ul	0.02
85) Perylene-d12	23.49	264	677830	20.00	ng/ul	-0.11

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	11794	3.67	ng/uL	0.00
5) Phenol-d5	6.91	99	227509	24.02	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.08	67	145493	24.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	176857	25.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	174510	25.30	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	82194	27.95	ng/ul	0.01
22) 2-Nitrophenol-d4	9.63	143	90499	27.91	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.16	165	179657	26.20	ng/ul	0.01
29) 4-Chloroaniline-d4	10.69	131	98657	13.93	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	507953	29.09	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	607252	27.80	ng/ul	0.02
51) 4-Nitrophenol-d4	14.62	143	41733	16.46	ng/ul	0.02
57) Fluorene-d10	15.39	176	402116	25.89	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.54	200	25240	9.50	ng/ul	0.03
70) Anthracene-d10	17.25	188	557089	27.83	ng/ul	0.02
78) Pyrene-d10	19.56	212	588601	27.07	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.49	264	649174	21.08	ng/ul	0.04

Target Compounds

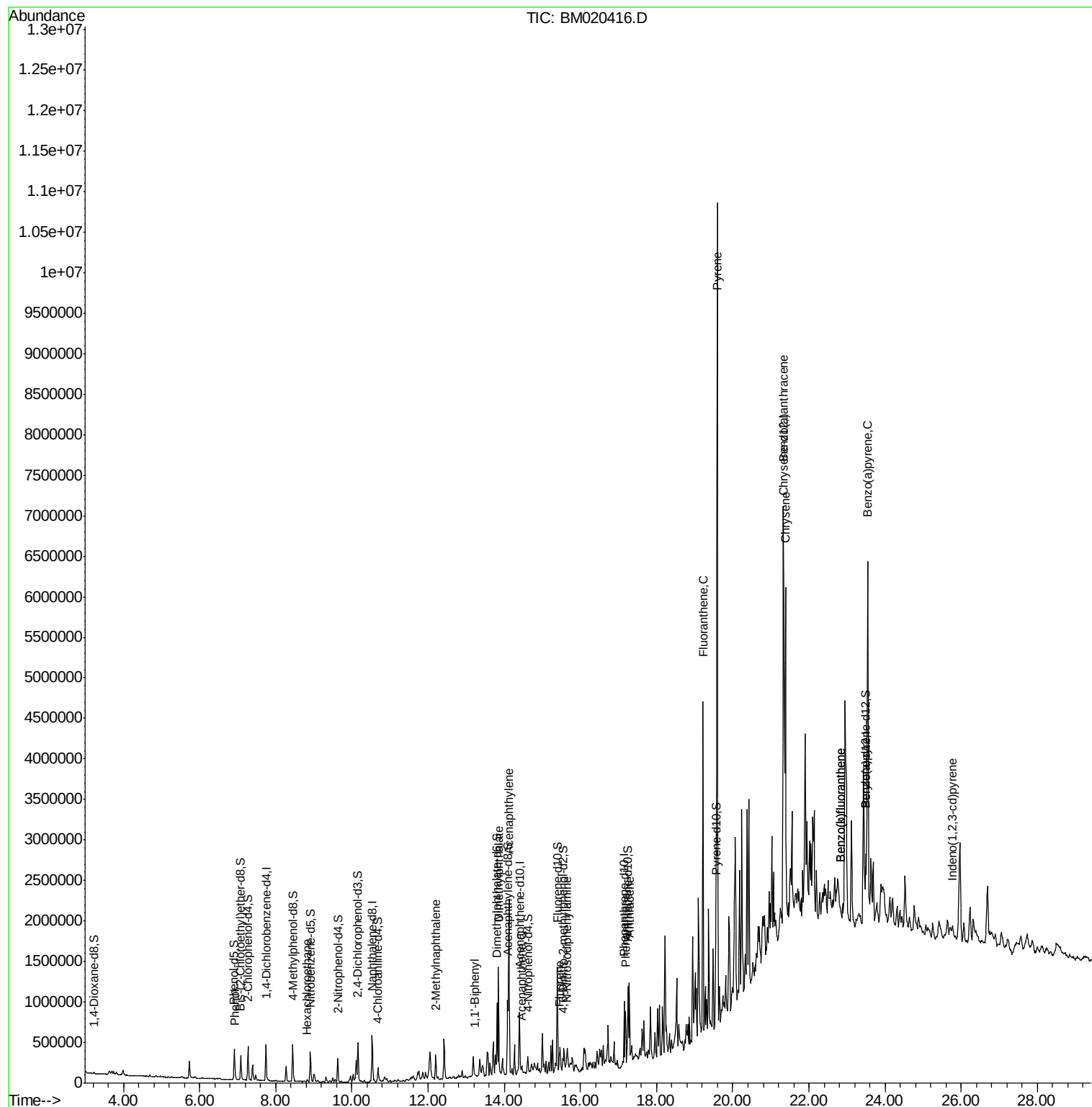
					Ovalue
6) Phenol	6.93	94	16907	1.697	ng/ul 90
17) Hexachloroethane	8.83	117	11054	3.302	ng/ul# 1
34) 2-Methylnaphthalene	12.20	142	138745	9.229	ng/ul 97
40) 1,1'-Biphenyl	13.22	154	17747	1.021	ng/ul 91
44) Dimethylphthalate	13.85	163	129377	7.489	ng/ul 99
47) Acenaphthylene	14.12	152	1463613	71.054	ng/ul 100
49) Acenaphthene	14.46	153	37717	2.663	ng/ul 95
58) Fluorene	15.45	166	70650	4.113	ng/ul 87
64) N-Nitrosodiphenylamine	15.66	169	12908	1.118	ng/ul# 1
69) Phenanthrene	17.19	178	356967	16.055	ng/ul 97
71) Anthracene	17.29	178	644233	28.485	ng/ul 100
76) Fluoranthene	19.22	202	2284750	81.350	ng/ul 99
79) Pyrene	19.59	202	6245646	230.539	ng/ul 96
82) Benzo(a)anthracene	21.33	228	2369440	87.220	ng/ul# 78
84) Chrysene	21.39	228	2219759	85.502	ng/ul 92
87) Benzo(b)fluoranthene	22.83	252	38971	1.007	ng/ul# 31
88) Benzo(k)fluoranthene	22.83	252	38971	1.026	ng/ul# 33
90) Benzo(a)pyrene	23.54	252	3153953	86.632	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.78	276	63536	1.532	ng/ul# 69

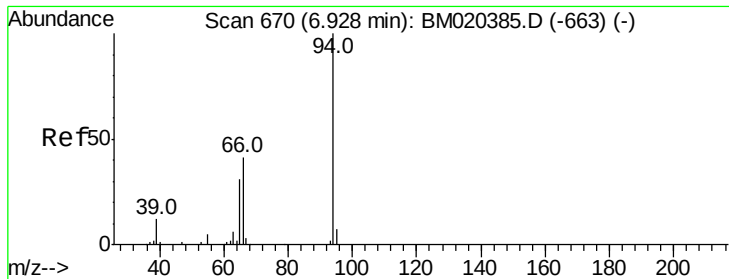
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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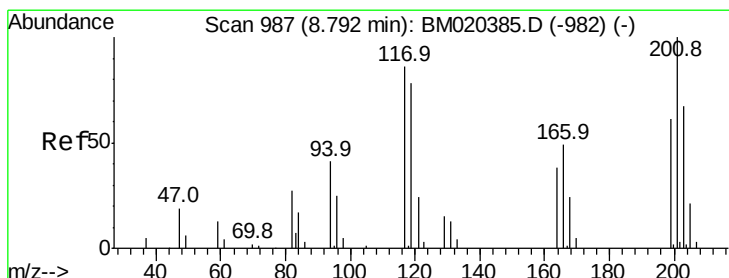
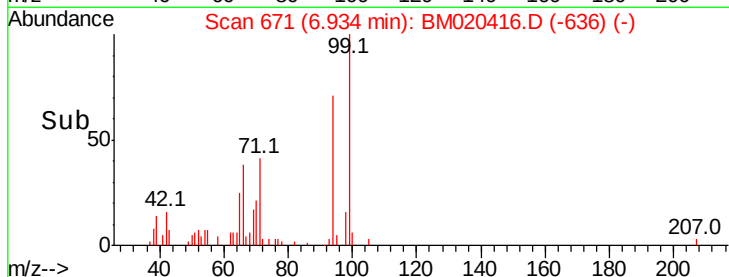
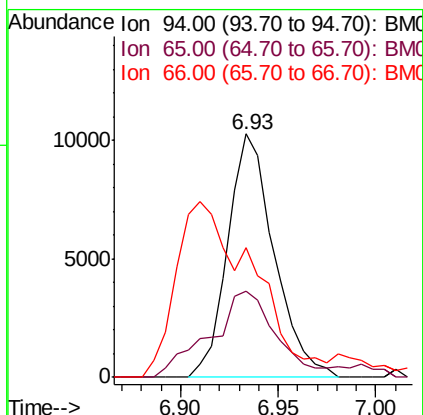
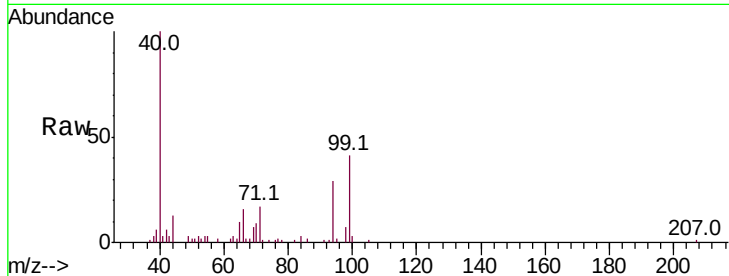
#6

Phenol

Concen: 1.697 ng/ul
 RT: 6.93 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: BM020416.D
 Acq: 19 May 2019 01:41

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 94 Resp: 16907
 Ion Ratio Lower Upper
 94 100
 65 35.4 25.4 38.0
 66 53.4 36.5 54.7

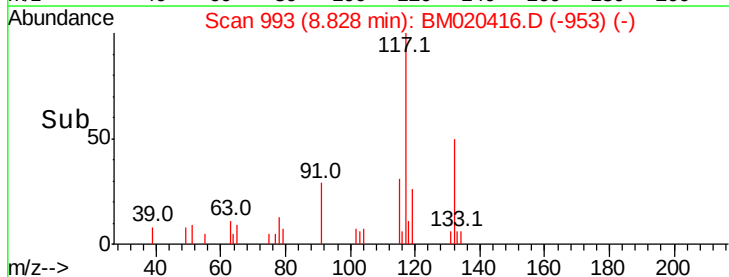
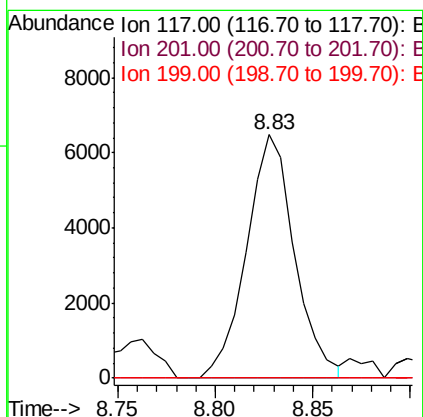
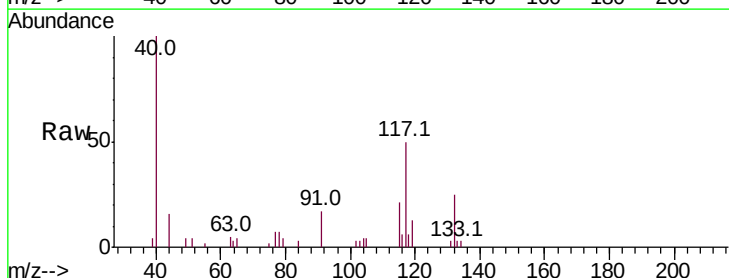


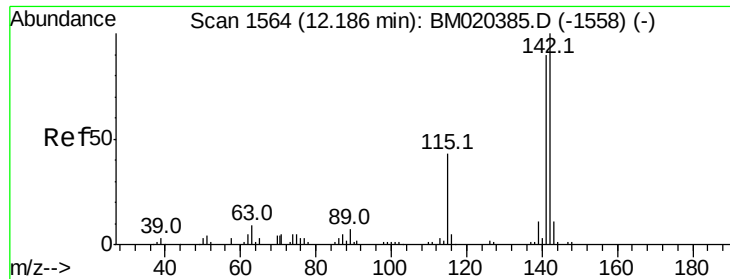
#17

Hexachloroethane

Concen: 3.302 ng/ul
 RT: 8.83 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: BM020416.D
 Acq: 19 May 2019 01:41

Tgt Ion: 117 Resp: 11054
 Ion Ratio Lower Upper
 117 100
 201 0.0 102.4 153.6#
 199 0.0 63.3 94.9#

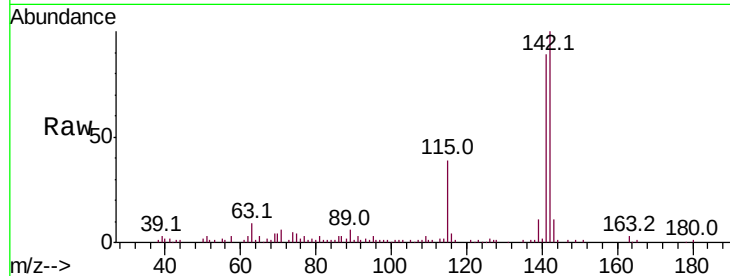




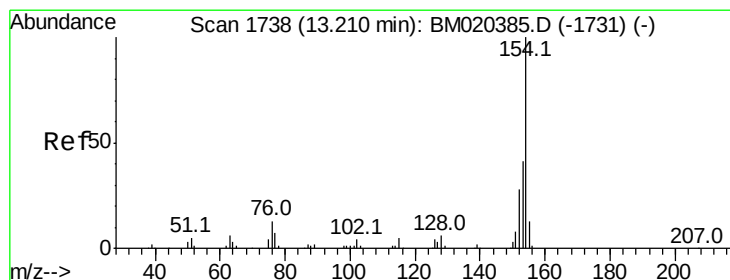
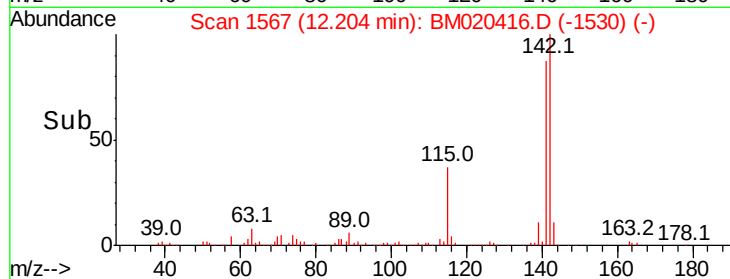
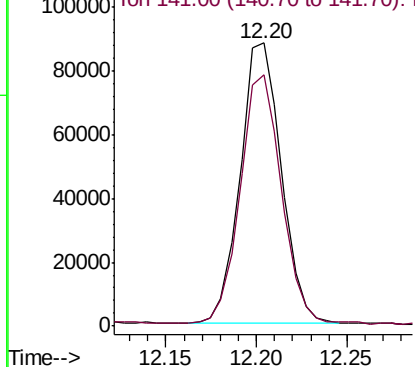
#34
2-Methylnaphthalene
Concen: 9.229 ng/ul
RT: 12.20 min Scan# 1567
Delta R.T. 0.02 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Instrument :
BNA_M
ClientSampleId :

Tot Ion:142 Resp: 138745
Ion Ratio Lower Upper
142 100
141 88.7 68.6 102.8

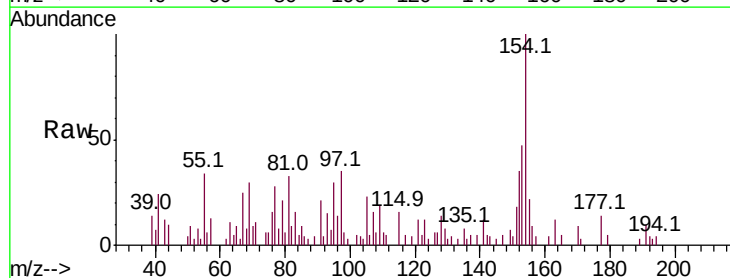


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

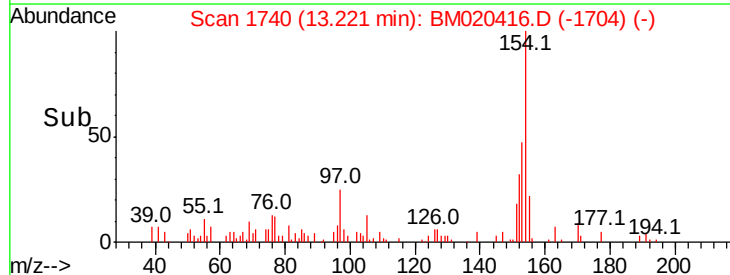
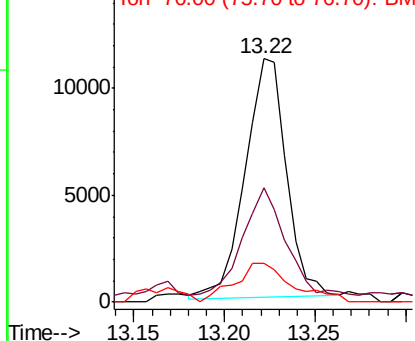


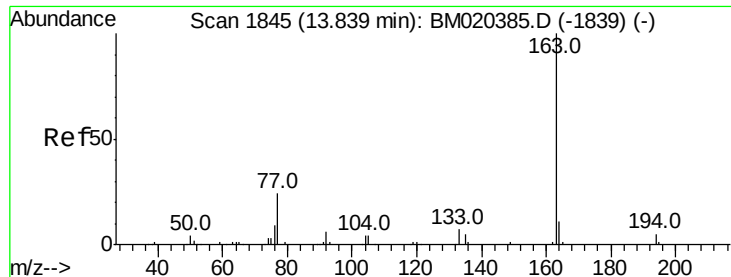
#40
1,1'-Biphenyl
Concen: 1.021 ng/ul
RT: 13.22 min Scan# 1740
Delta R.T. 0.01 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Tgt Ion:154 Resp: 17747
Ion Ratio Lower Upper
154 100
153 46.8 32.2 48.4
76 15.9 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: 7.489 ng/ul

RT: 13.85 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Instrument :

BNA_M

ClientSampleId :

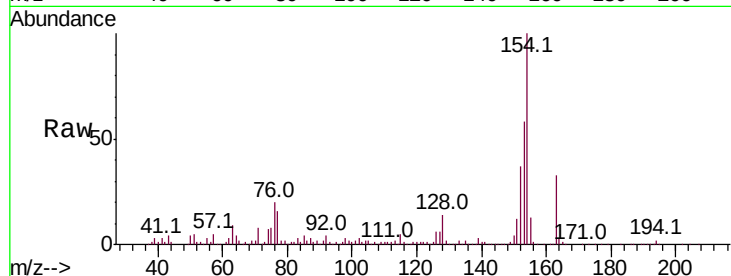
Tot Ion:163 Resp: 129377

Ion Ratio Lower Upper

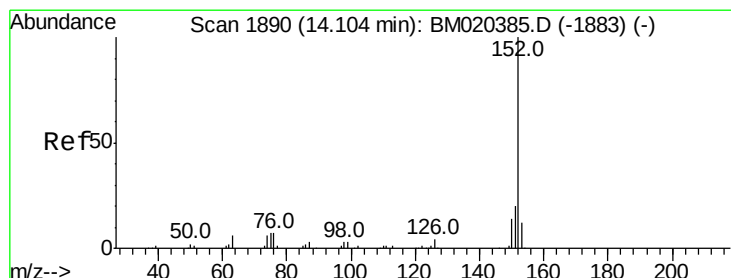
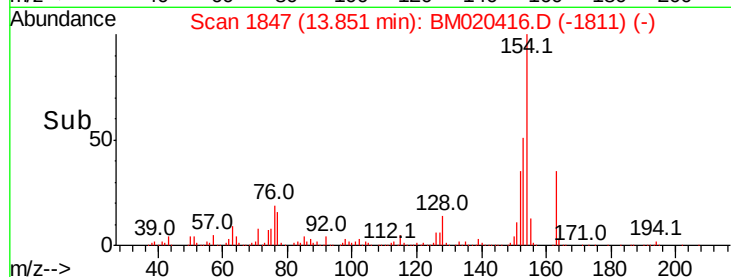
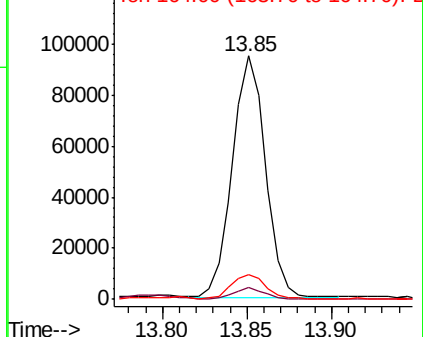
163 100

194 4.7 3.3 4.9

164 10.3 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: 71.054 ng/ul

RT: 14.12 min Scan# 1893

Delta R.T. 0.02 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

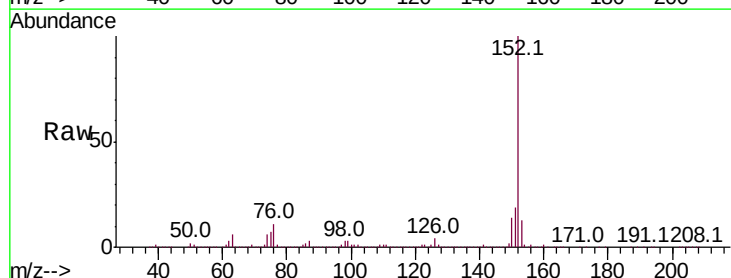
Tgt Ion:152 Resp: 1463613

Ion Ratio Lower Upper

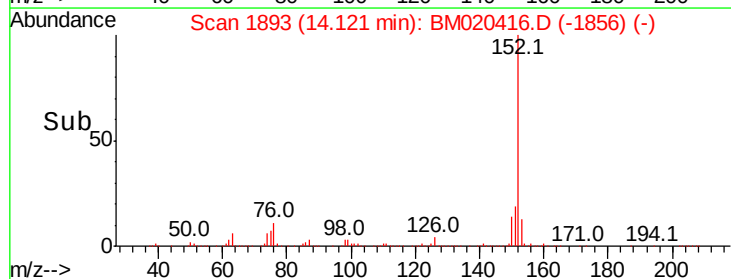
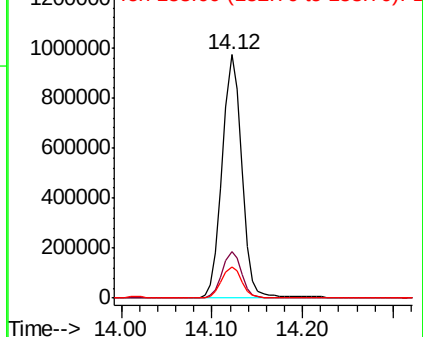
152 100

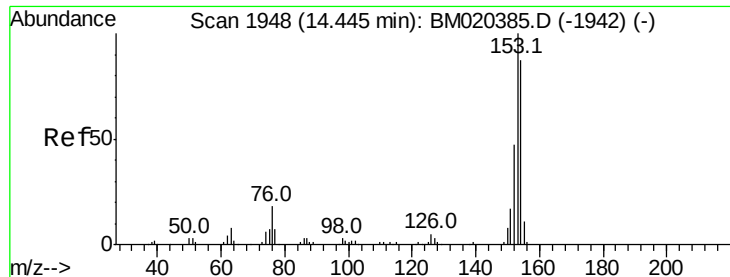
151 19.4 15.4 23.0

153 12.9 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: 2.663 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. 0.02 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Instrument :

BNA_M

ClientSampleId :

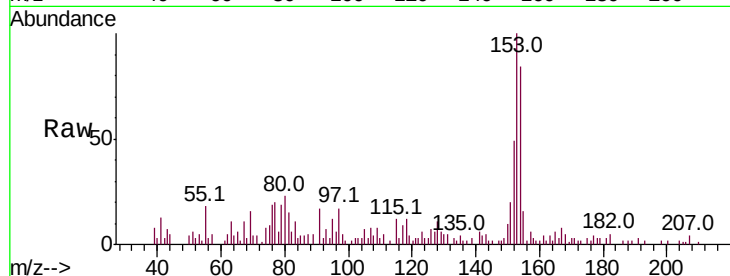
Tot Ion:153 Resp: 37717

Ion Ratio Lower Upper

153 100

152 49.3 37.9 56.9

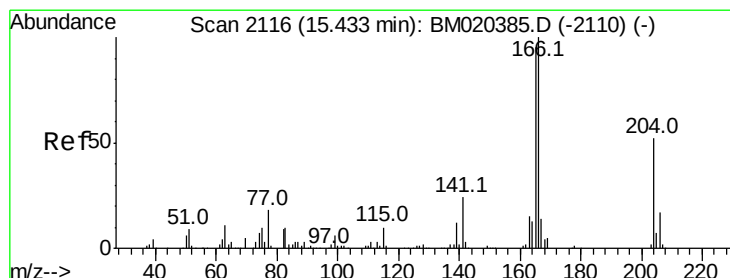
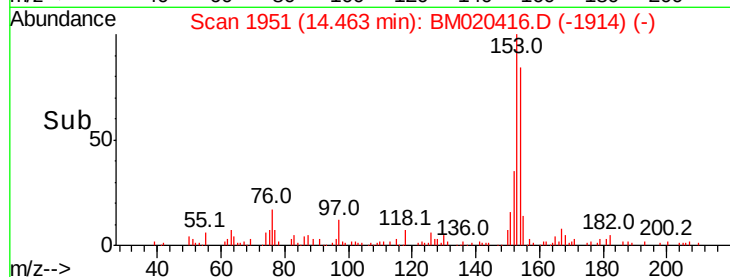
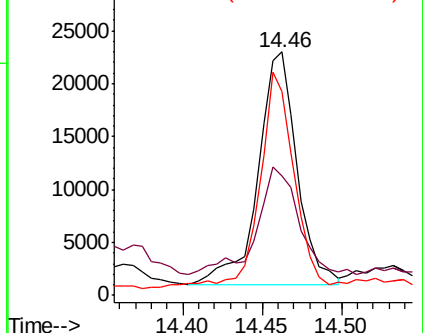
154 83.6 71.2 106.8



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: 4.113 ng/ul

RT: 15.45 min Scan# 2119

Delta R.T. 0.02 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

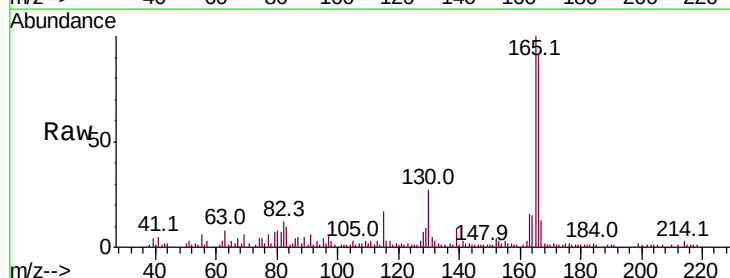
Tgt Ion:166 Resp: 70650

Ion Ratio Lower Upper

166 100

165 110.2 77.1 115.7

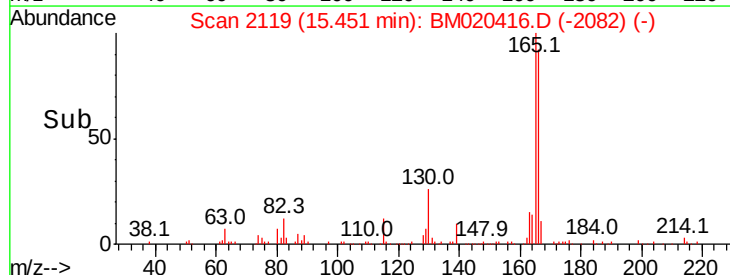
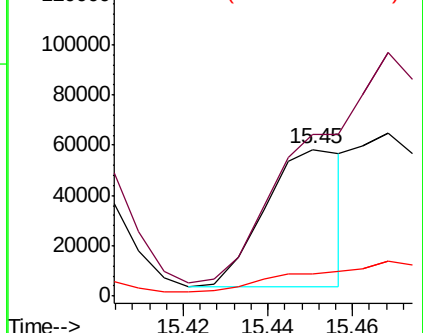
167 14.8 11.1 16.7

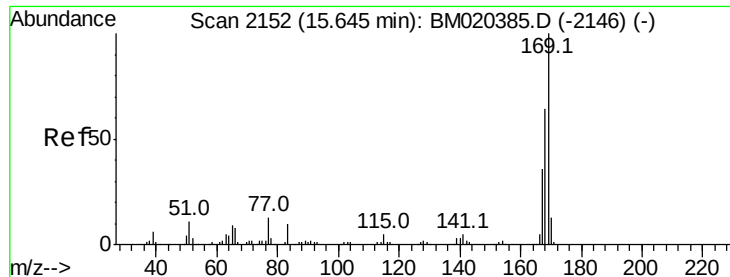


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



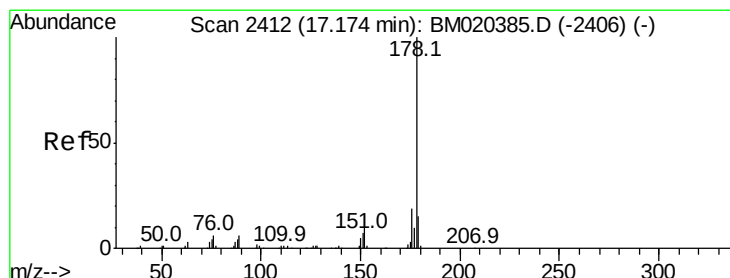
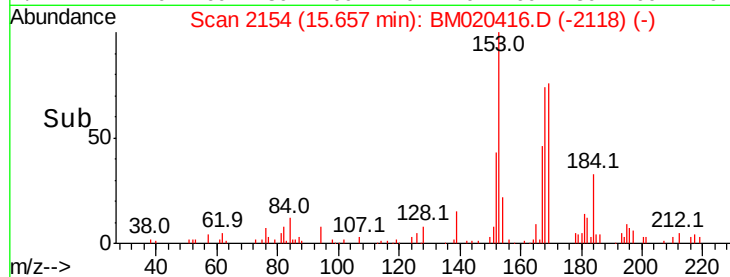
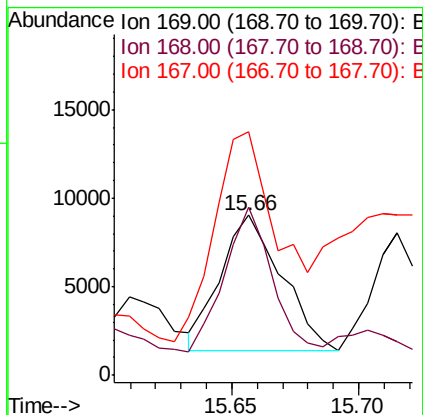
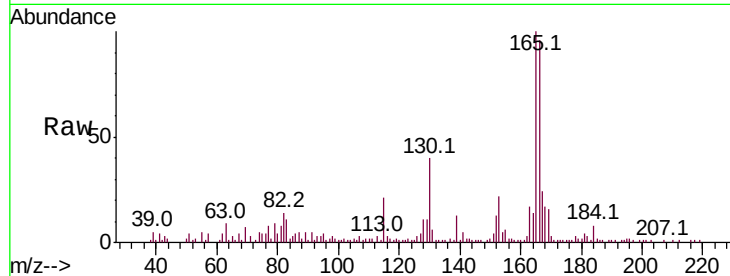


#64

N-Nitrosodiphenylamine
 Concen: 1.118 ng/ul
 RT: 15.66 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: BM020416.D
 Acq: 19 May 2019 01:41

Instrument :
 BNA_M
 ClientSampleId :

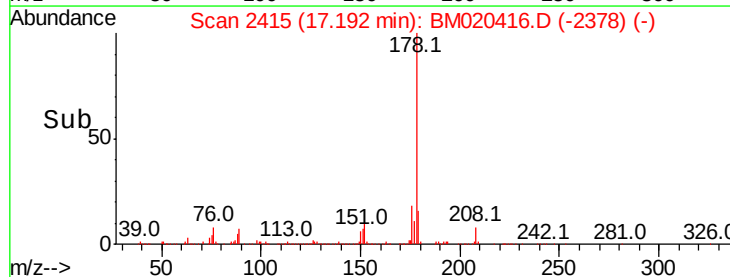
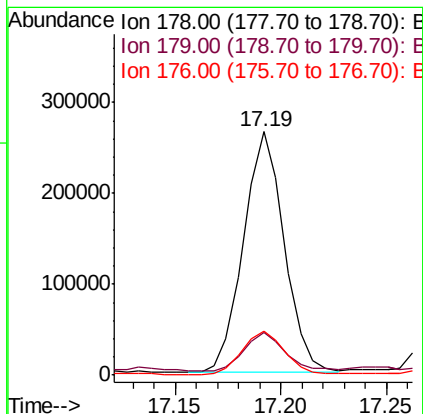
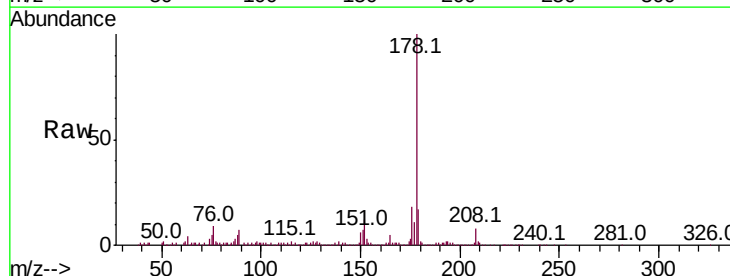
Tot Ion:169 Resp: 12908
 Ion Ratio Lower Upper
 169 100
 168 104.8 53.2 79.8#
 167 152.0 28.2 42.2#

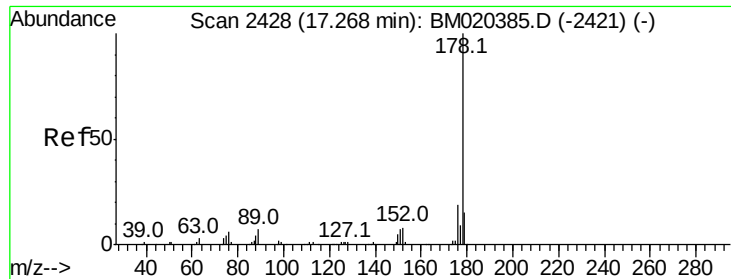


#69

Phenanthrene
 Concen: 16.055 ng/ul
 RT: 17.19 min Scan# 2415
 Delta R.T. 0.02 min
 Lab File: BM020416.D
 Acq: 19 May 2019 01:41

Tgt Ion:178 Resp: 356967
 Ion Ratio Lower Upper
 178 100
 179 17.3 11.9 17.9
 176 17.9 14.6 22.0

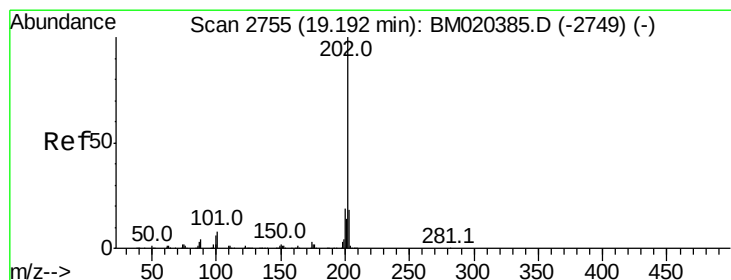
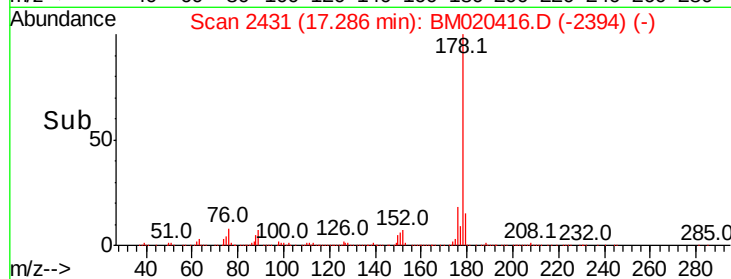
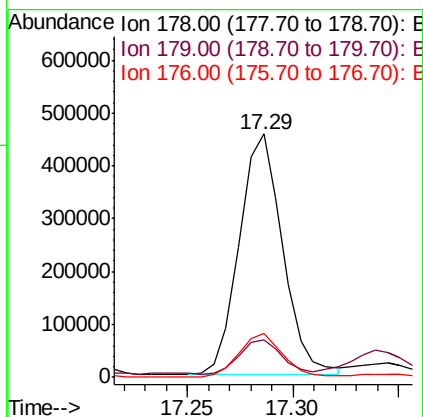
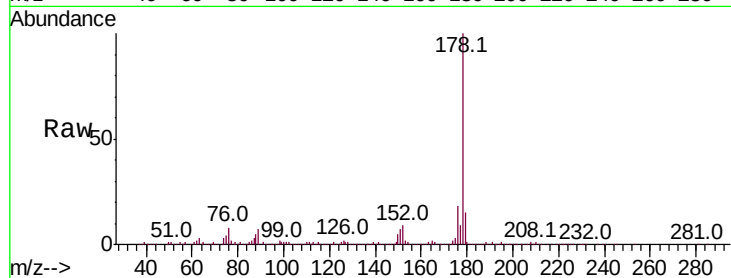




#71
 Anthracene
 Concen: 28.485 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. 0.02 min
 Lab File: BM020416.D
 Acq: 19 May 2019 01:41

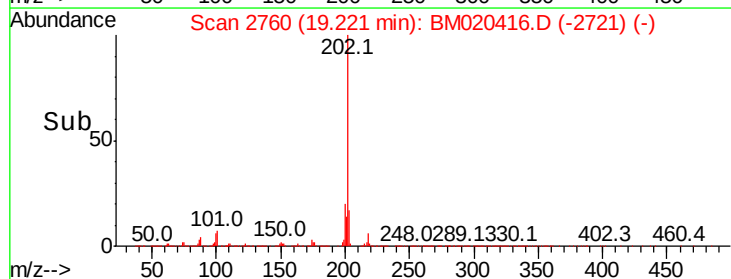
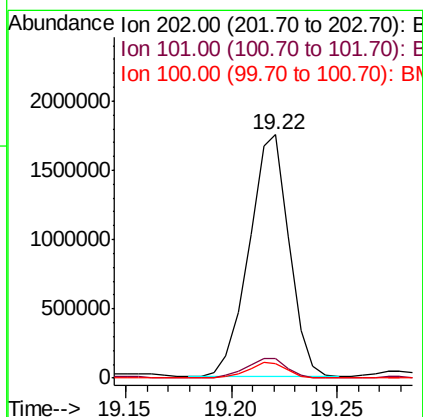
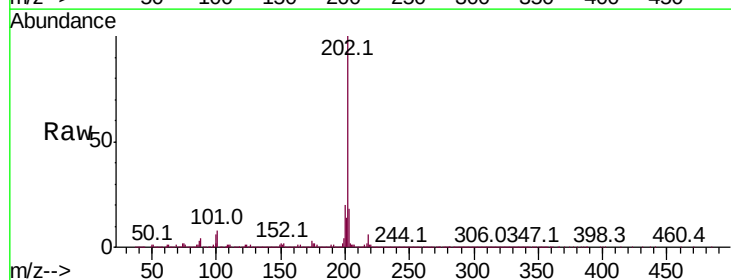
Instrument :
 BNA_M
 ClientSampleId :

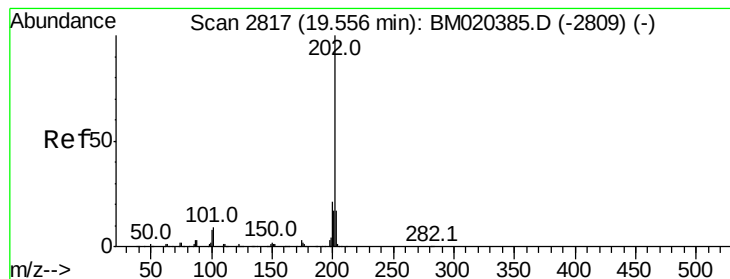
Tot Ion:178 Resp: 644233
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.4 18.6
 176 18.2 14.4 21.6



#76
 Fluoranthene
 Concen: 81.350 ng/ul
 RT: 19.22 min Scan# 2760
 Delta R.T. 0.03 min
 Lab File: BM020416.D
 Acq: 19 May 2019 01:41

Tgt Ion:202 Resp: 2284750
 Ion Ratio Lower Upper
 202 100
 101 7.9 6.4 9.6
 100 6.0 5.2 7.8





#79

Pvrene

Concen: 230.539 ng/ul

RT: 19.59 min Scan# 2823

Delta R.T. 0.04 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Instrument :

BNA_M

ClientSampleId :

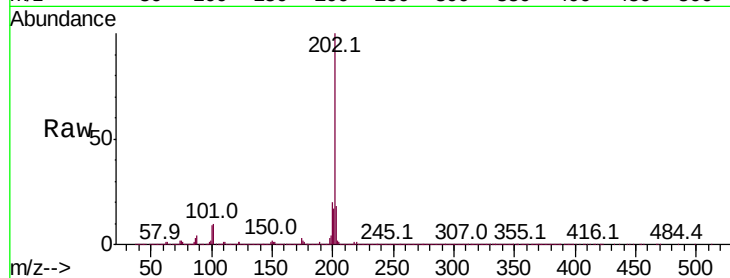
Tot Ion:202 Resp: 6245646

Ion Ratio Lower Upper

202 100

101 10.2 7.1 10.7

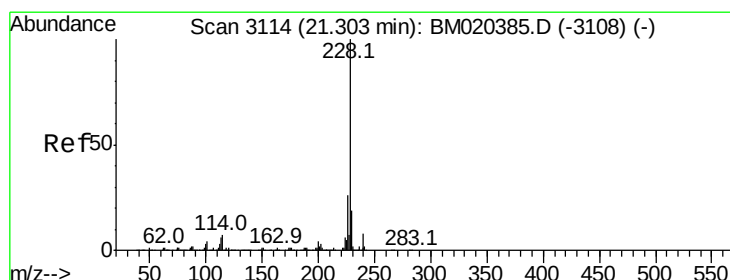
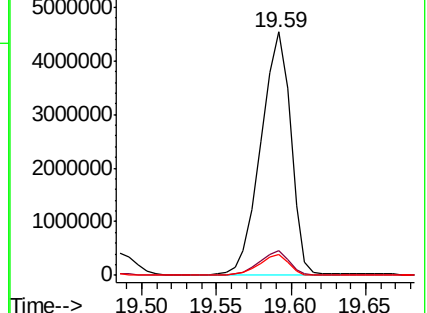
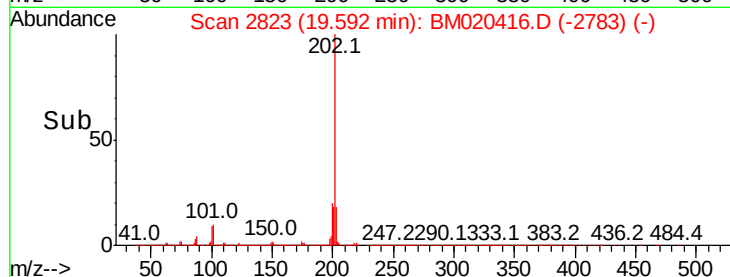
100 8.5 5.9 8.9



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



#82

Benzo(a)anthracene

Concen: 87.220 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.03 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

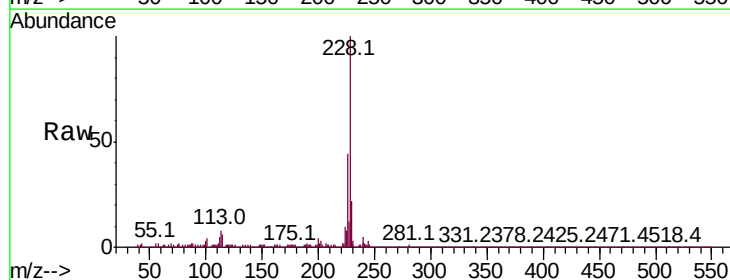
Tgt Ion:228 Resp: 2369440

Ion Ratio Lower Upper

228 100

229 22.0 15.8 23.8

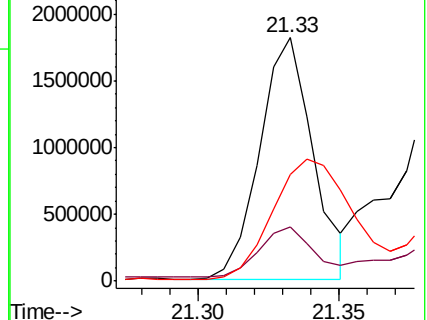
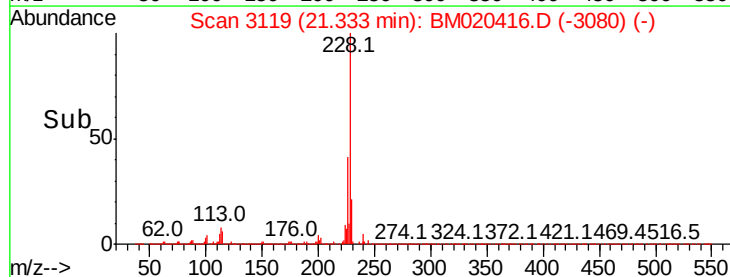
226 43.9 20.6 30.8#

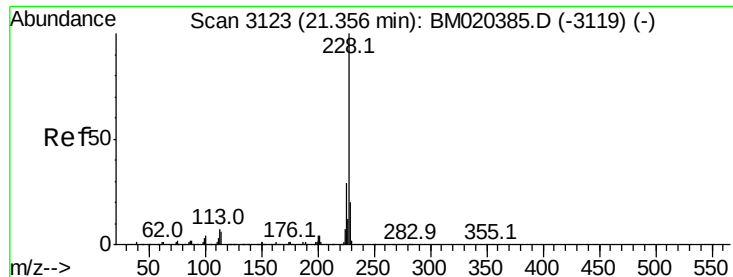


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 85.502 ng/ul

RT: 21.39 min Scan# 3128

Delta R.T. 0.03 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

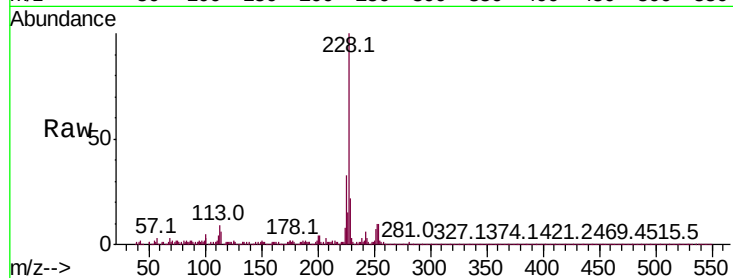
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 2219759

Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.2	33.4
229	22.1	15.4	23.2

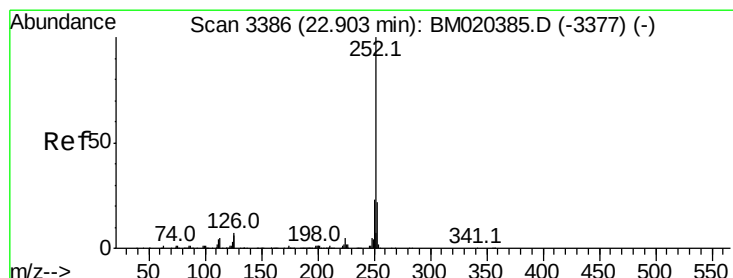
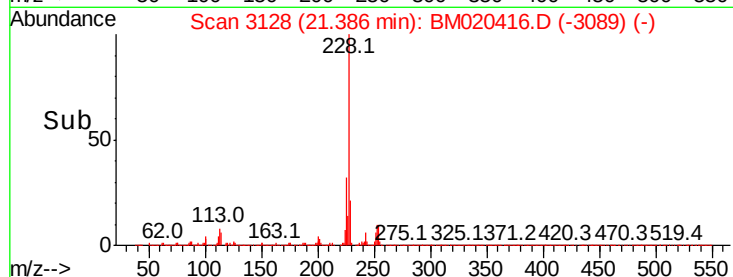
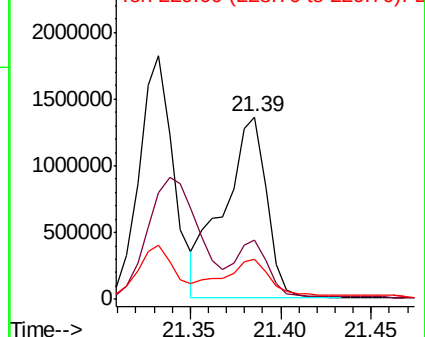


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 1.007 ng/ul

RT: 22.83 min Scan# 3374

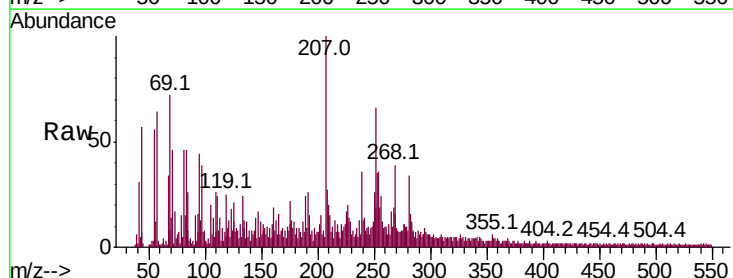
Delta R.T. -0.07 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Tgt Ion:252 Resp: 38971

Ion	Ratio	Lower	Upper
252	100		
253	52.7	17.0	25.6#
125	32.5	5.0	7.4#

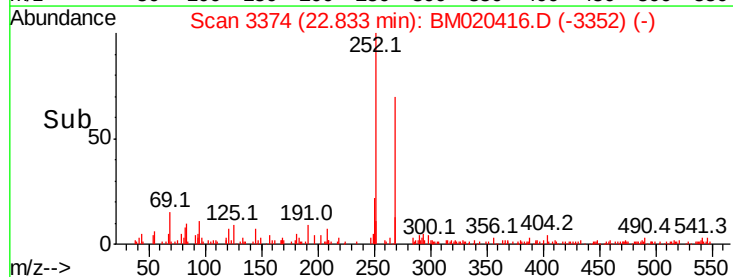
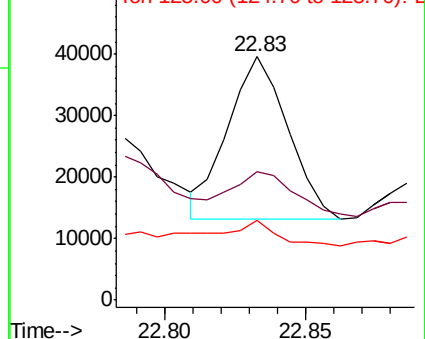


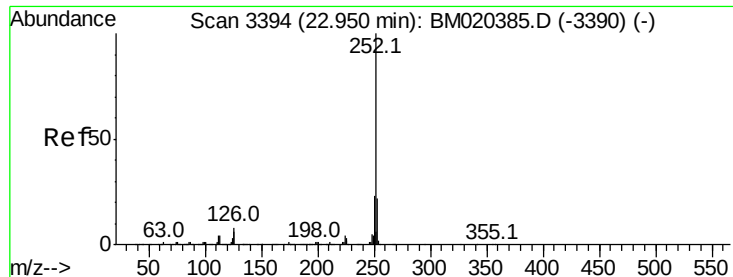
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 1.026 ng/ul

RT: 22.83 min Scan# 3374

Delta R.T. -0.12 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Instrument :

BNA_M

ClientSampled :

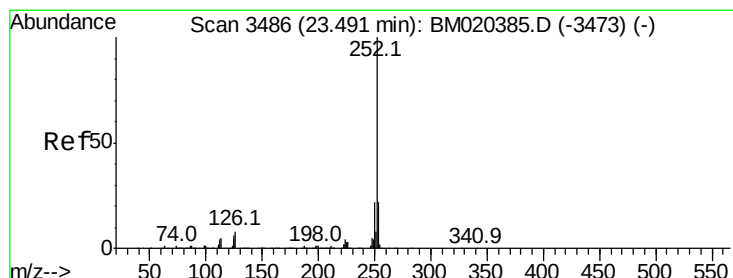
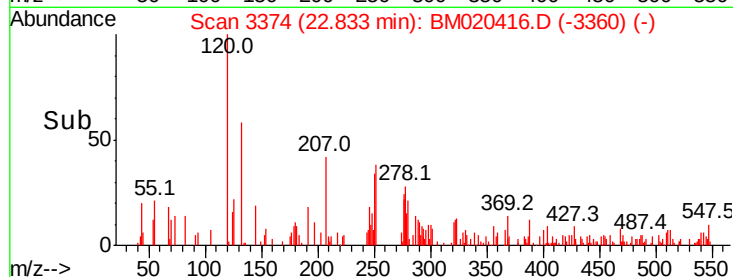
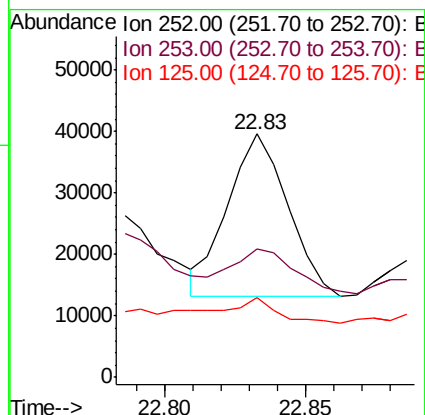
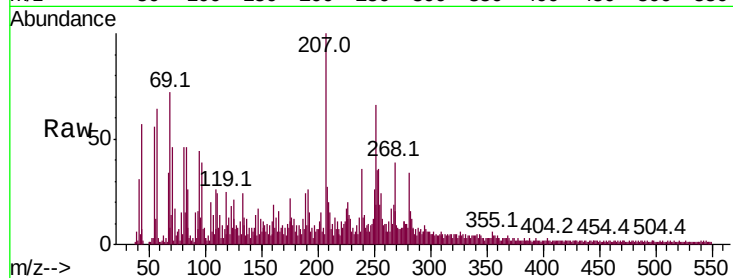
Tot Ion:252 Resp: 38971

Ion Ratio Lower Upper

252 100

253 52.7 17.6 26.4#

125 32.5 5.0 7.6#



#90

Benzo(a)pyrene

Concen: 86.632 ng/ul

RT: 23.54 min Scan# 3495

Delta R.T. 0.05 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

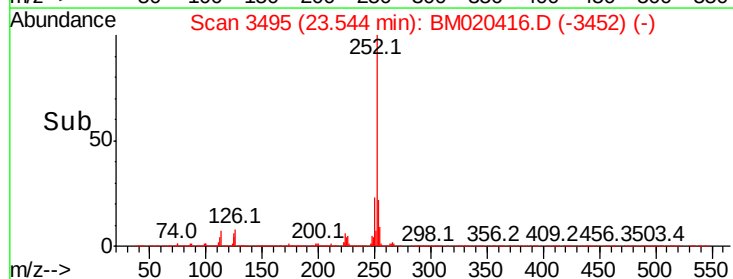
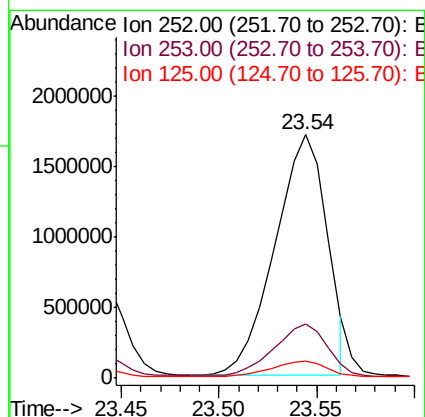
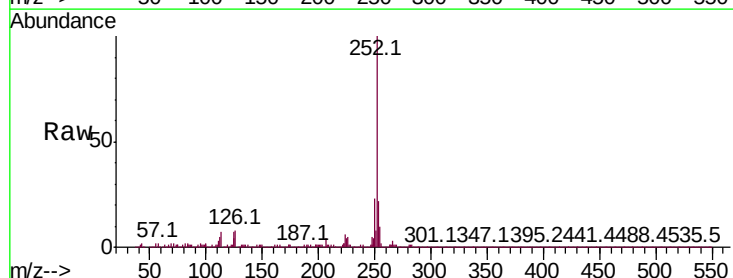
Tgt Ion:252 Resp: 3153953

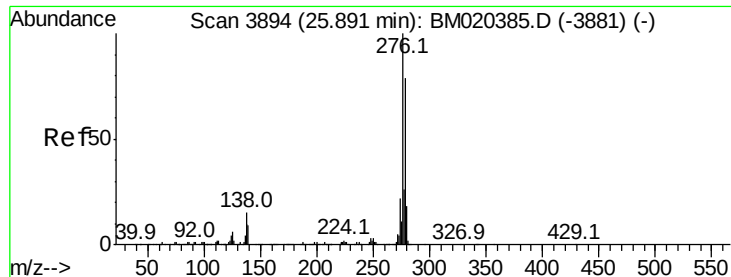
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 6.8 5.4 8.2



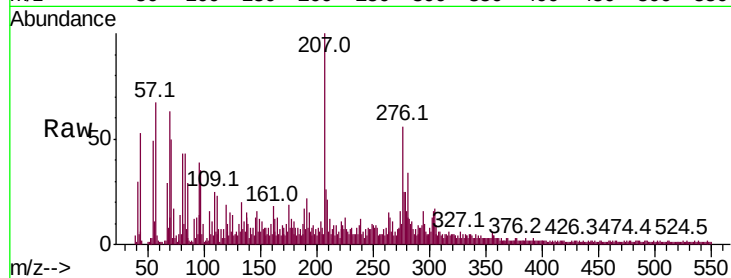


#91

Indeno(1,2,3-cd)pyrene
 Concen: 1.532 ng/ul
 RT: 25.78 min Scan# 3875
 Delta R.T. -0.11 min
 Lab File: BM020416.D
 Acq: 19 May 2019 01:41

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	12.3	18.5#
277	44.2	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

