

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
 Data File : BM024077.D
 Acq On : 13 Dec 2019 02:09
 Operator : JU
 Sample : K6089-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 13 04:11:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 07 04:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	394734	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	1530980	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.13	164	864631	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.89	188	1704552	20.00	ng/ul	0.00
78) Chrysene-d12	21.09	240	1623321	20.00	ng/ul	-0.01
86) Perylene-d12	23.23	264	2023071	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	19091	2.15	ng/uL	0.01
5) Phenol-d5	6.66	99	351985	10.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	242310	12.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.01	132	297506	11.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.19	113	258221	9.46	ng/ul	-0.01
19) Nitrobenzene-d5	8.62	128	138047	11.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.34	143	151804	11.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.87	165	290893	11.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.39	131	334740	11.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.55	166	965514	14.37	ng/ul	-0.01
47) Acenaphthylene-d8	13.82	160	1077102	13.68	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.37	143	57684	5.11	ng/ul	0.00
58) Fluorene-d10	15.13	176	803957	14.22	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.28	200	66773	6.24	ng/ul	0.00
71) Anthracene-d10	16.98	188	1257127	15.44	ng/ul	-0.01
79) Pyrene-d10	19.29	212	1459412	17.40	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.09	264	1829434	17.11	ng/ul	-0.02

Target Compounds

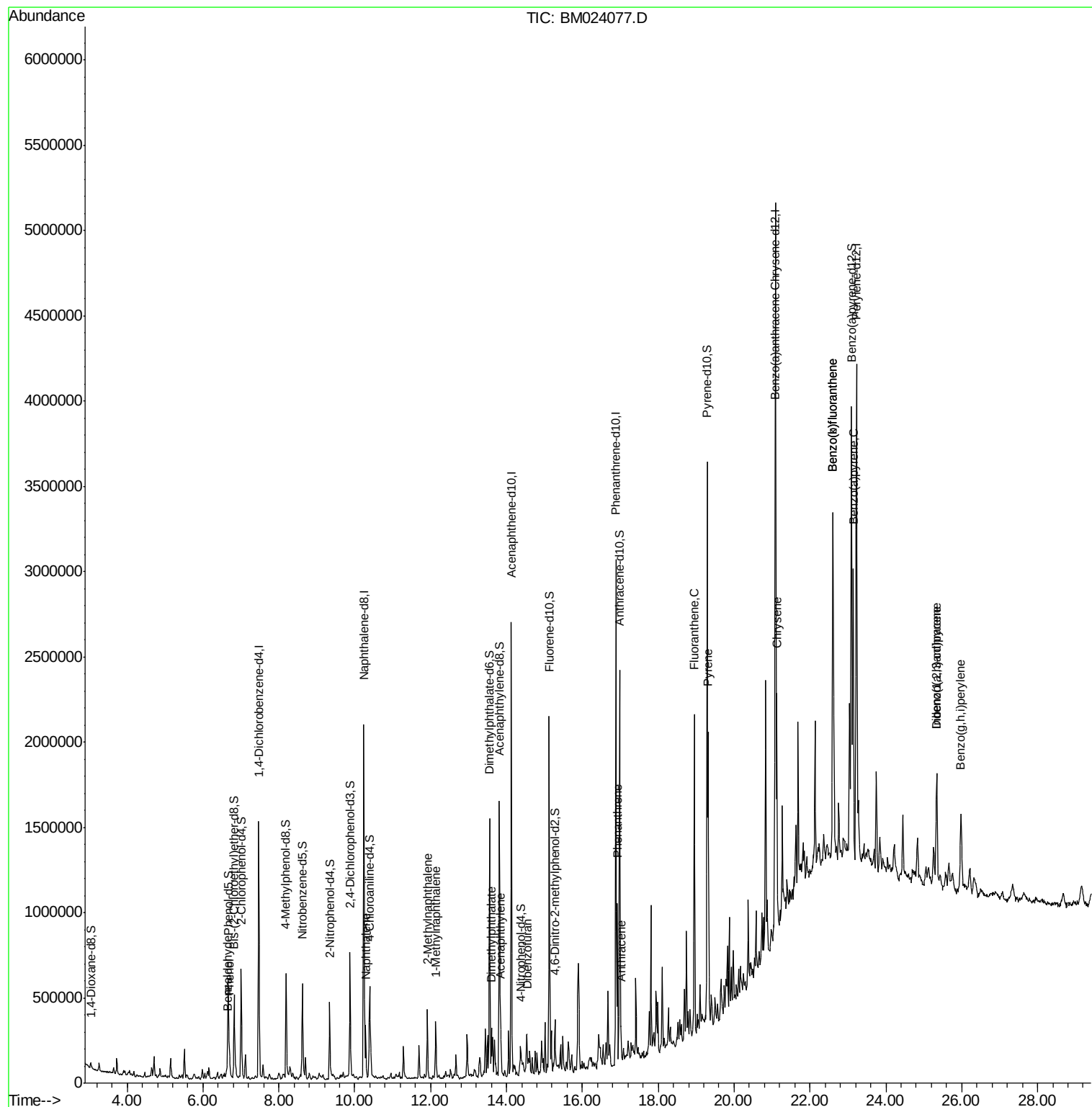
					Ovalue
4) Benzaldehyde	6.64	77	20084	1.102	ng/ul 89
6) Phenol	6.69	94	92039	2.586	ng/ul 98
28) Naphthalene	10.29	128	246788	3.058	ng/ul 99
34) 2-Methylnaphthalene	11.92	142	196533	3.353	ng/ul 99
35) 1-Methylnaphthalene	12.14	142	153148	2.662	ng/ul 95
45) Dimethylphthalate	13.60	163	169145	2.572	ng/ul 100
48) Acenaphthylene	13.84	152	136797	1.718	ng/ul 98
54) Dibenzofuran	14.53	168	86703	1.083	ng/ul 93
70) Phenanthrene	16.93	178	550486	5.717	ng/ul 99
72) Anthracene	17.02	178	104469	1.069	ng/ul 96
77) Fluoranthene	18.95	202	1068043	10.343	ng/ul 99
80) Pyrene	19.32	202	954569	8.727	ng/ul 100
83) Benzo(a)anthracene	21.07	228	692148	6.379	ng/ul 95
85) Chrysene	21.13	228	756097	7.420	ng/ul 97
88) Benzo(b)fluoranthene	22.60	252	1337696	10.692	ng/ul 97
89) Benzo(k)fluoranthene	22.60	252	1337696	11.263	ng/ul 97
91) Benzo(a)pyrene	23.14	252	786425	6.648	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	25.34	276	584627	3.980	ng/ul 97
93) Dibenzo(a,h)anthracene	25.34	278	165102	1.338	ng/ul# 77
94) Benzo(g,h,i)perylene	25.99	276	546282	4.441	ng/ul 99

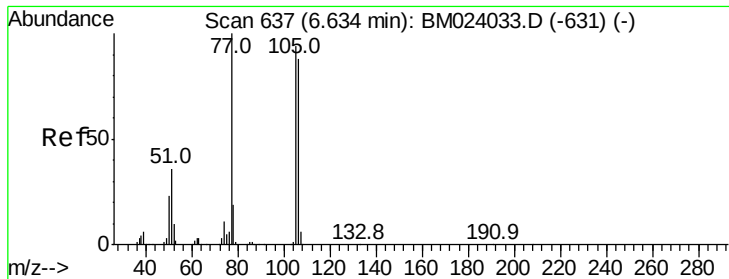
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 07 04:26:57 2019
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#4

Benzaldehyde

Concen: 1.102 ng/ul

RT: 6.64 min Scan# 638

Delta R.T. 0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

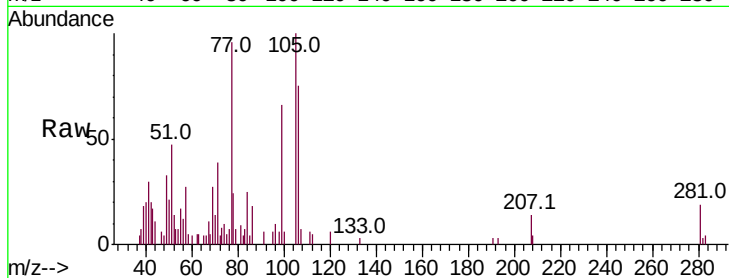
Tot Ion: 77 Resp: 20084

Ion Ratio Lower Upper

77 100

105 104.2 78.1 117.1

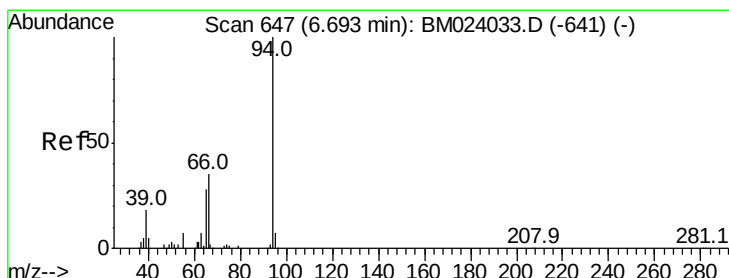
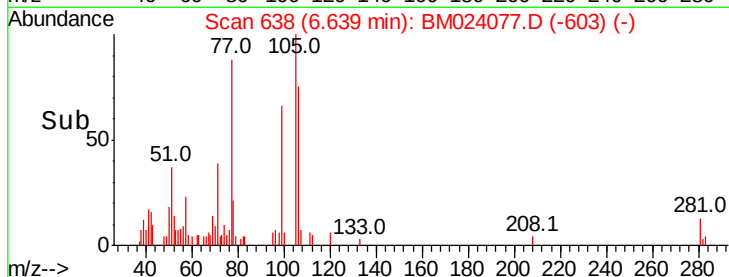
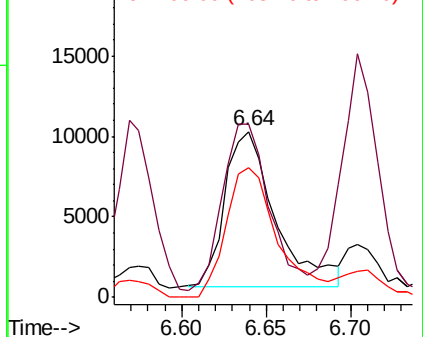
106 78.3 73.8 110.6



Abundance Ion 77.00 (76.70 to 77.70): BM024033.D (-631) (-)

Ion 105.00 (104.70 to 105.70): BM024033.D (-631) (-)

Ion 106.00 (105.70 to 106.70): BM024033.D (-631) (-)



#6

Phenol

Concen: 2.586 ng/ul

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

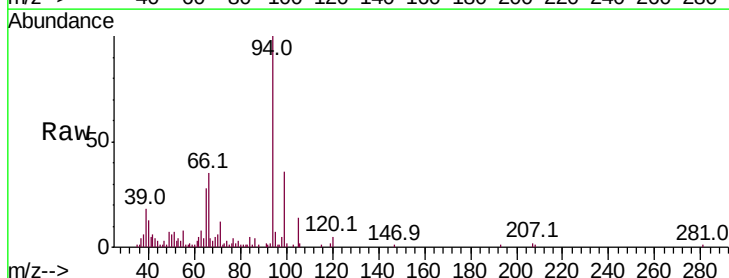
Tgt Ion: 94 Resp: 92039

Ion Ratio Lower Upper

94 100

65 28.0 21.7 32.5

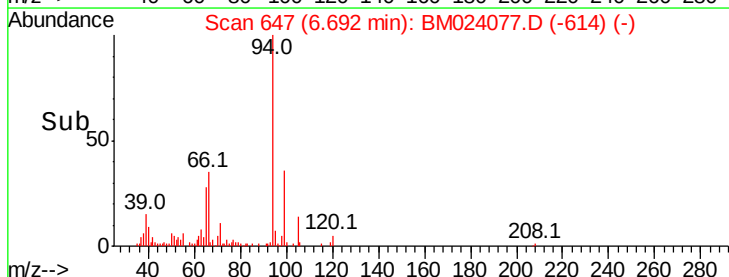
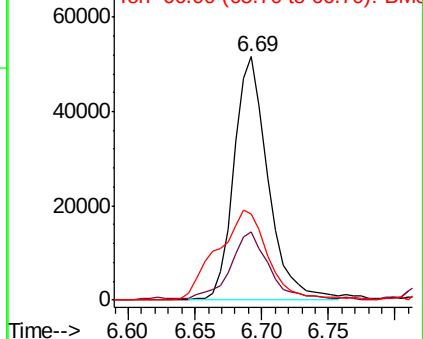
66 35.2 28.8 43.2

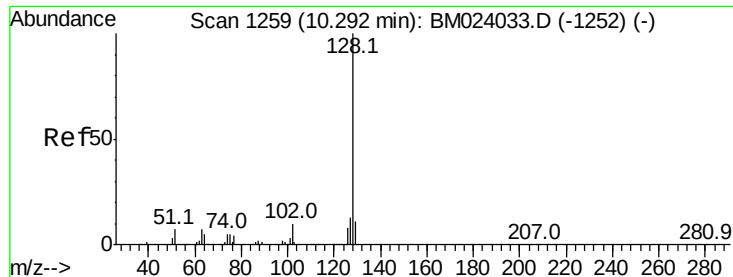


Abundance Ion 94.00 (93.70 to 94.70): BM024033.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BM024033.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BM024033.D (-641) (-)





#28

Naphthalene

Concen: 3.058 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

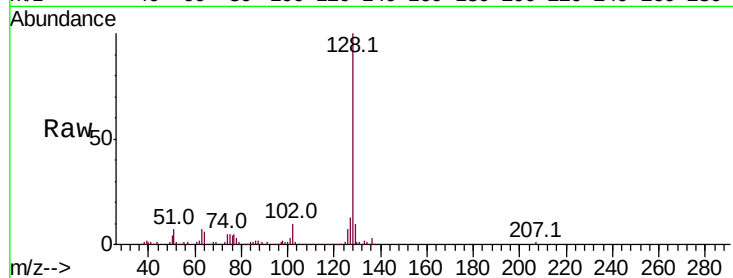
Tot Ion:128 Resp: 246788

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

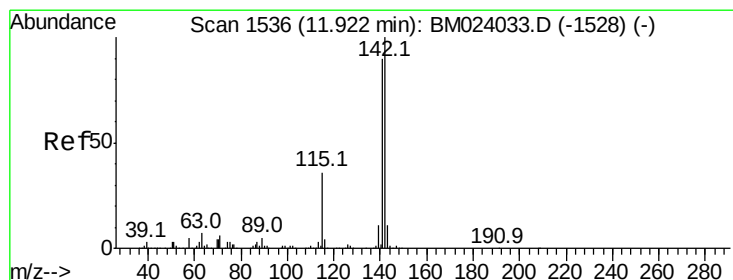
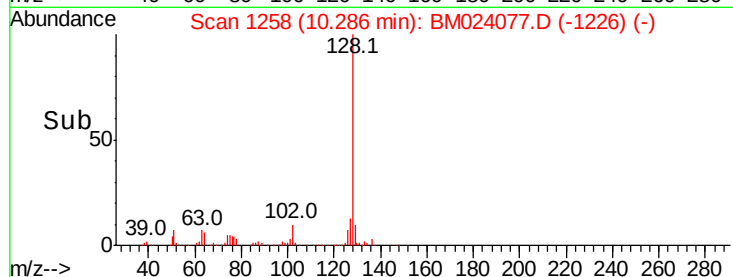
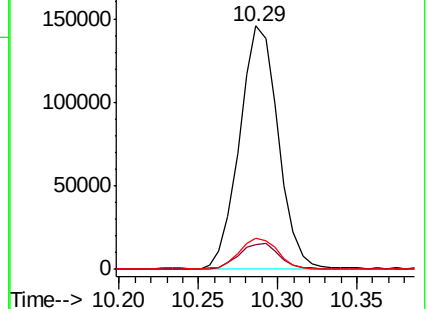
127 12.7 10.5 15.7



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: 3.353 ng/ul

RT: 11.92 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM024077.D

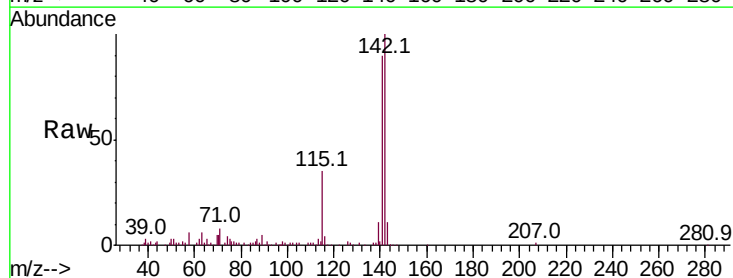
Acq: 13 Dec 2019 02:09

Tgt Ion:142 Resp: 196533

Ion Ratio Lower Upper

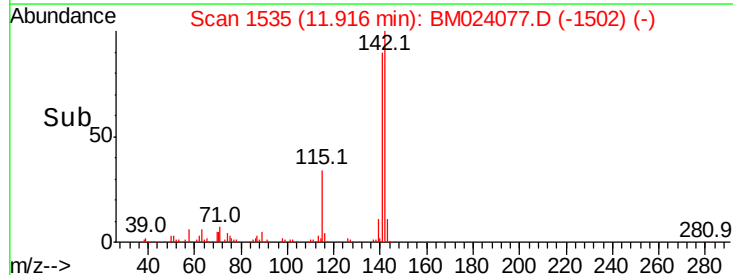
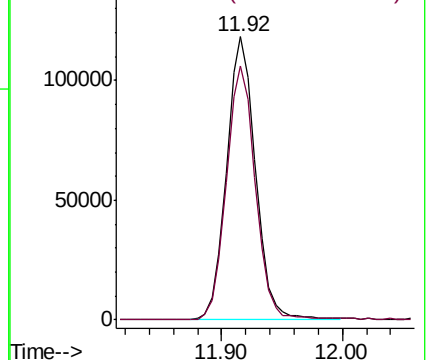
142 100

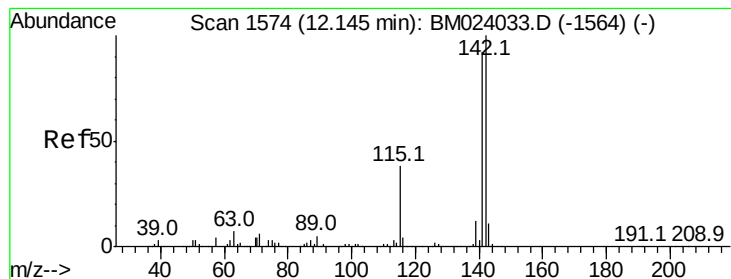
141 89.7 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 2.662 ng/ul

RT: 12.14 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

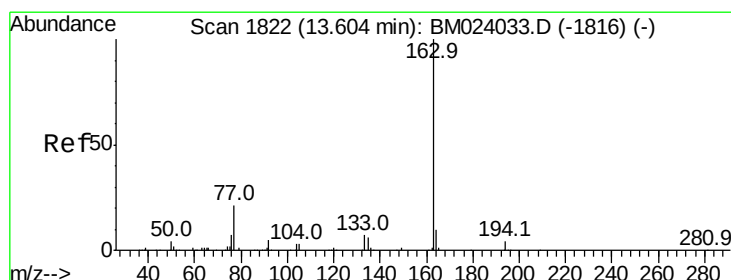
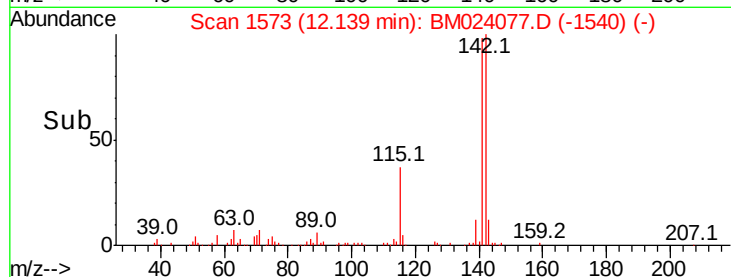
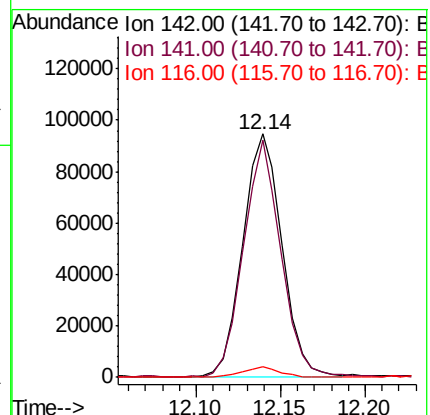
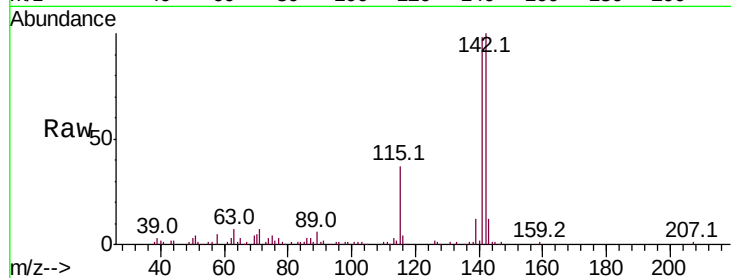
Tot Ion:142 Resp: 153148

Ion Ratio Lower Upper

142 100

141 97.5 74.2 111.4

116 4.4 3.0 4.4



#45

Dimethylphthalate

Concen: 2.572 ng/ul

RT: 13.60 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

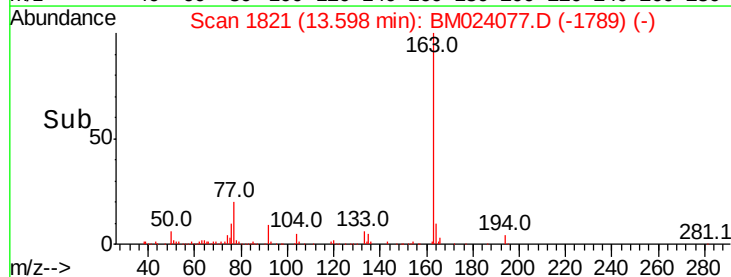
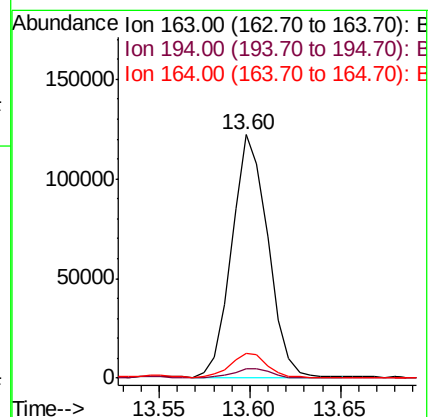
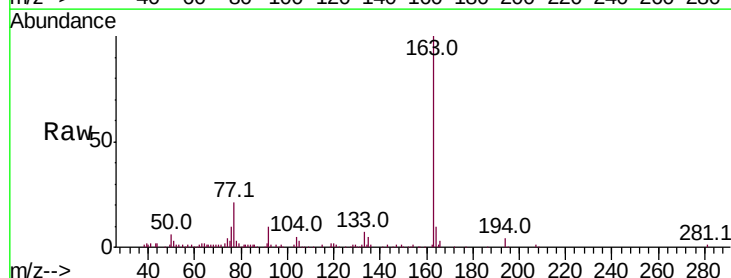
Tgt Ion:163 Resp: 169145

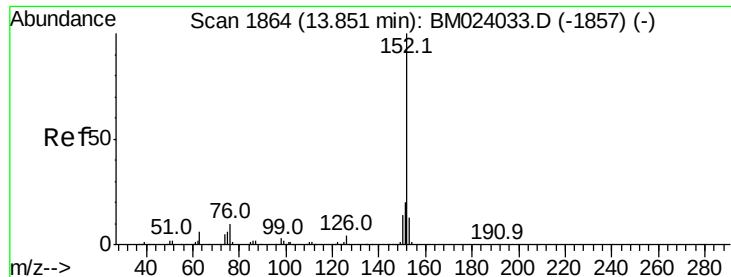
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.1 7.9 11.9





#48

Acenaphthylene

Concen: 1.718 ng/ul

RT: 13.84 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

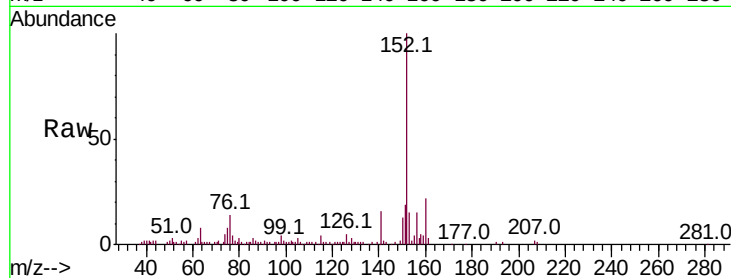
Tot Ion:152 Resp: 136797

Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.6

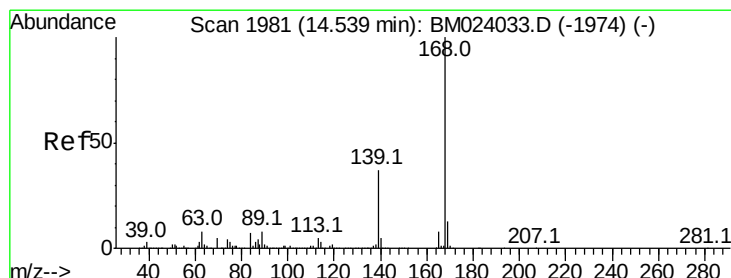
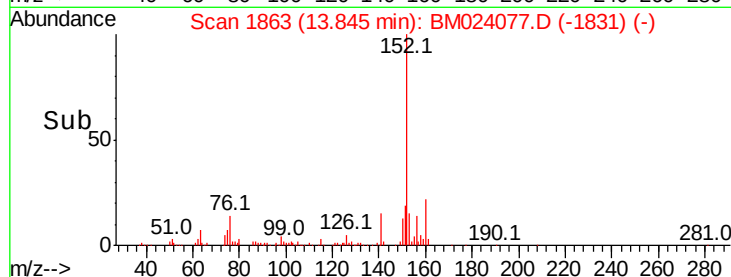
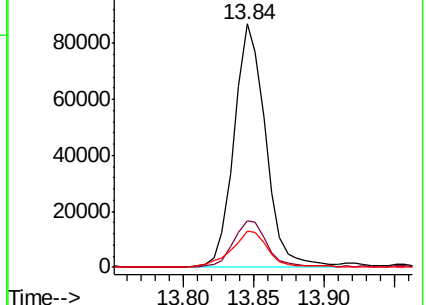
153 14.7 10.6 15.8



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: 1.083 ng/ul

RT: 14.53 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BM024077.D

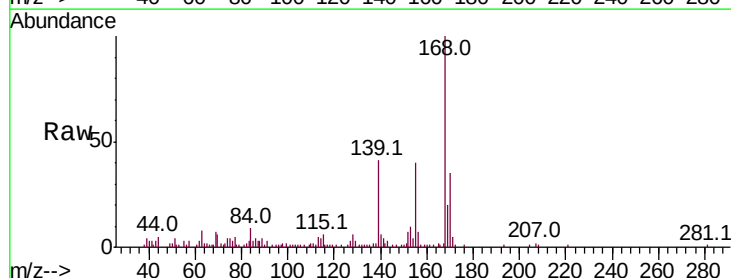
Acq: 13 Dec 2019 02:09

Tgt Ion:168 Resp: 86703

Ion Ratio Lower Upper

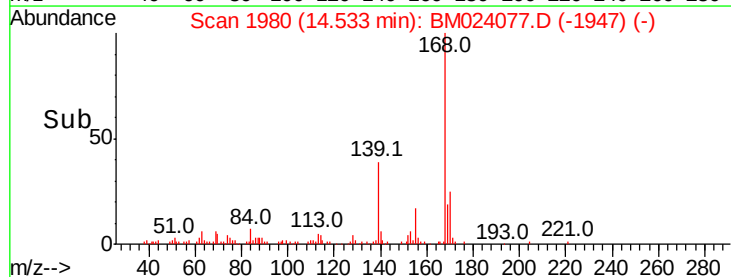
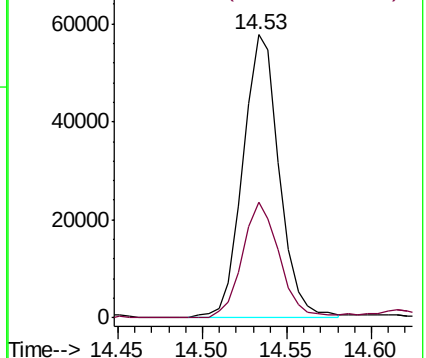
168 100

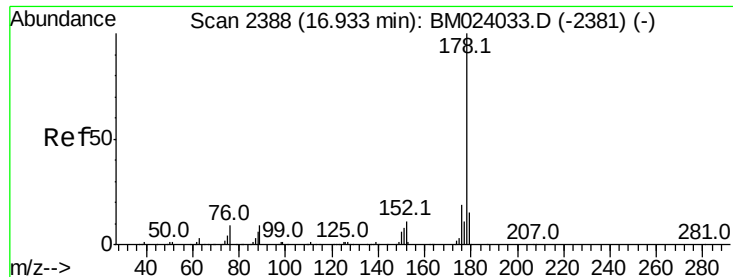
139 40.7 29.4 44.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#70

Phenanthrene

Concen: 5.717 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

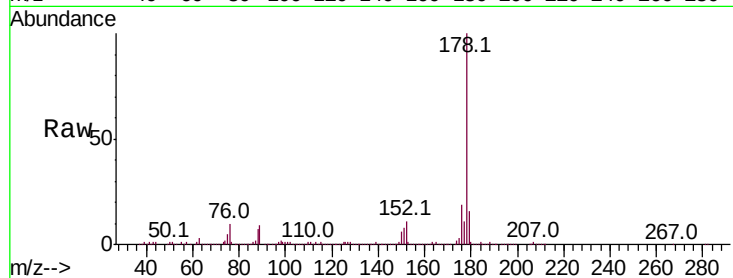
Tot Ion:178 Resp: 550486

Ion Ratio Lower Upper

178 100

179 15.9 12.0 18.0

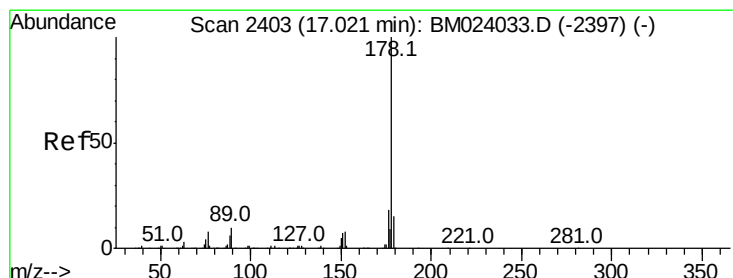
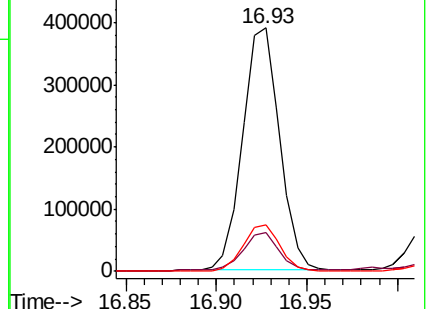
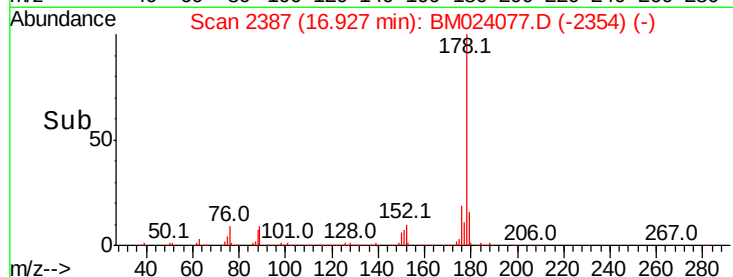
176 19.3 15.1 22.7



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



#72

Anthracene

Concen: 1.069 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

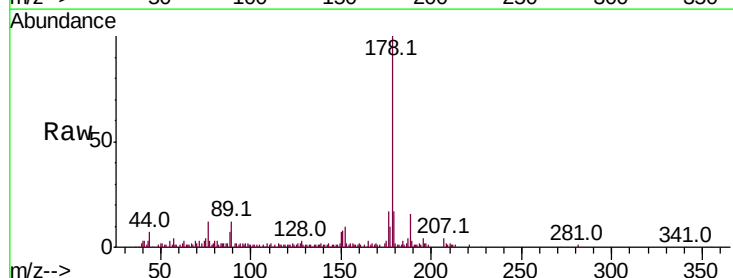
Tgt Ion:178 Resp: 104469

Ion Ratio Lower Upper

178 100

179 17.1 11.9 17.9

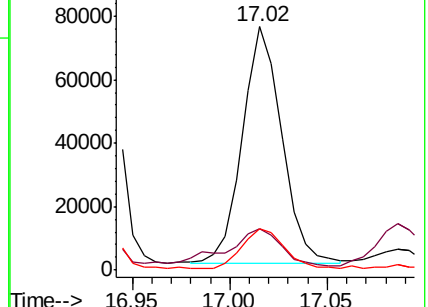
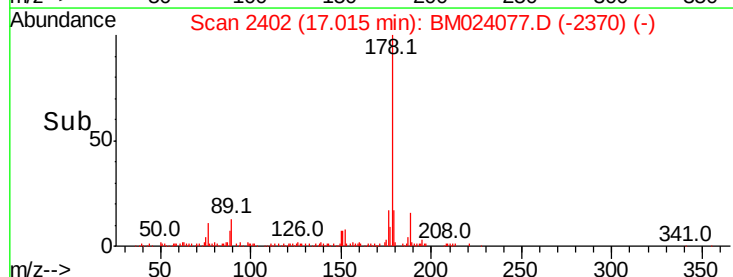
176 17.1 14.7 22.1

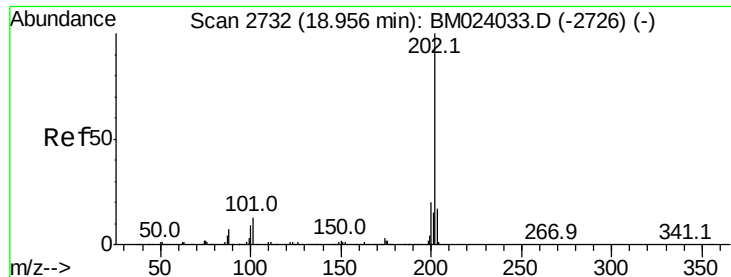


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 10.343 ng/ul

RT: 18.95 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

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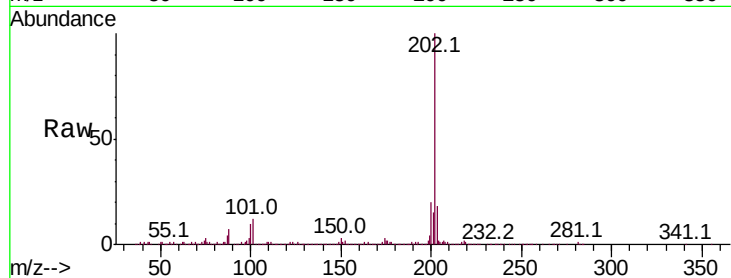
Tot Ion:202 Resp: 1068043

Ion Ratio Lower Upper

202 100

101 12.2 10.1 15.1

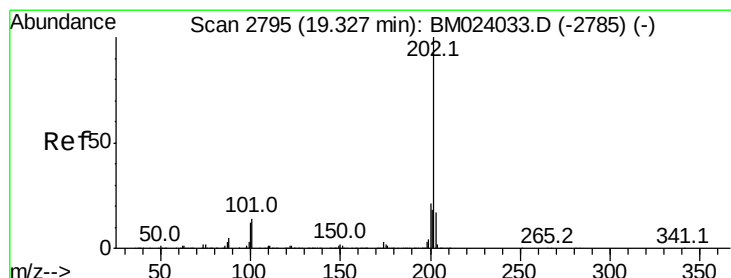
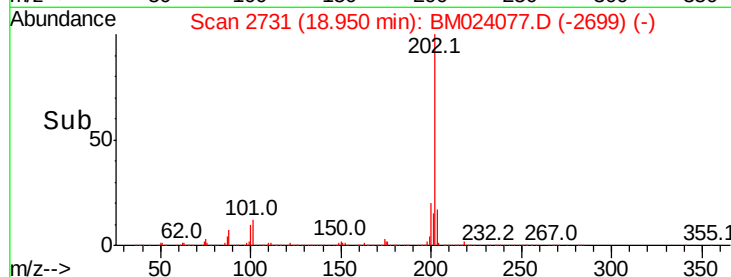
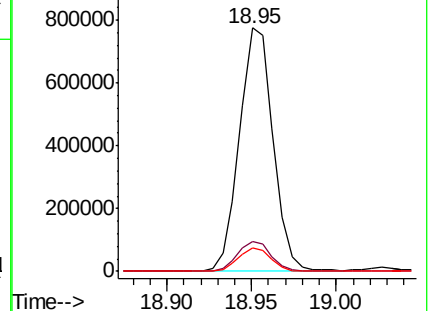
100 9.6 7.8 11.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 8.727 ng/ul

RT: 19.32 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

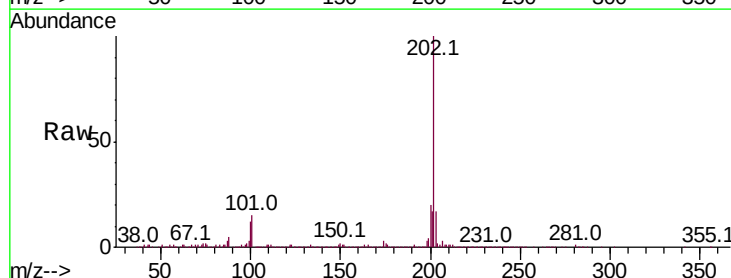
Tgt Ion:202 Resp: 954569

Ion Ratio Lower Upper

202 100

101 14.6 11.8 17.6

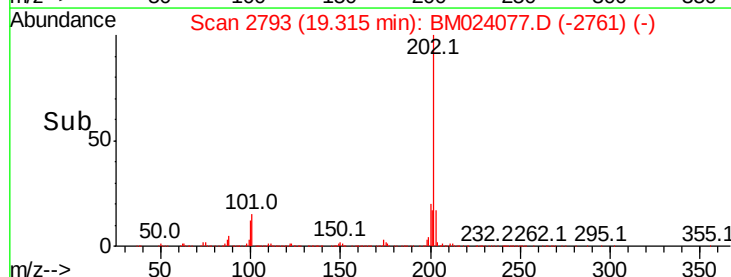
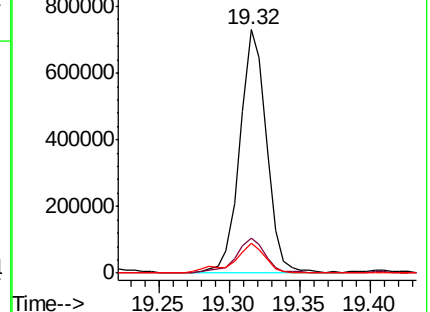
100 12.1 9.8 14.6

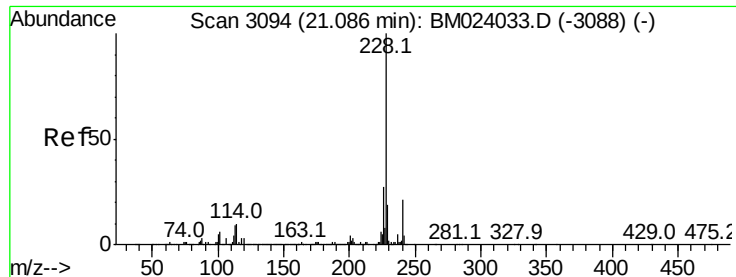


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 6.379 ng/ul

RT: 21.07 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

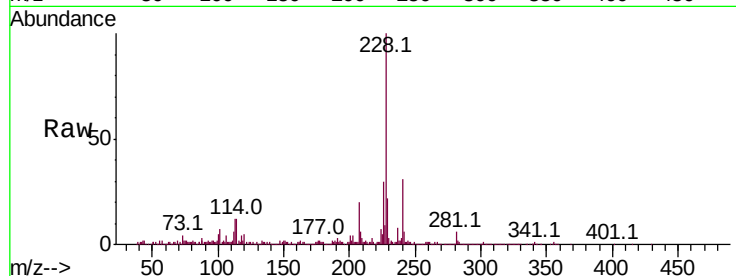
Tot Ion:228 Resp: 692148

Ion Ratio Lower Upper

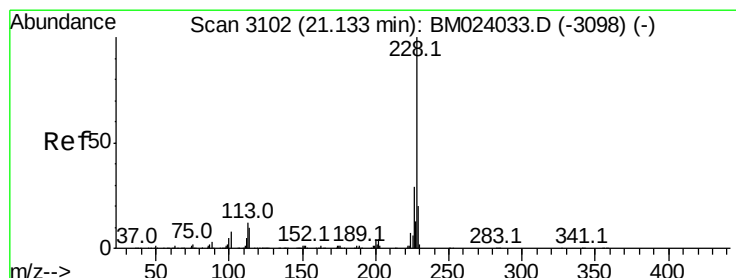
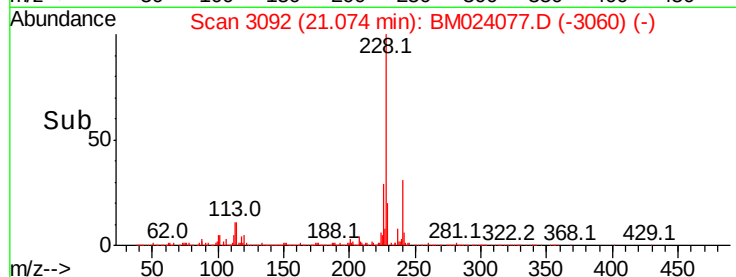
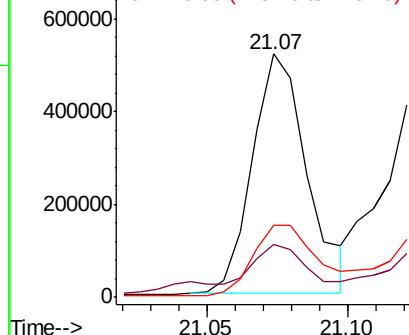
228 100

229 21.6 15.6 23.4

226 29.8 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 7.420 ng/ul

RT: 21.13 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

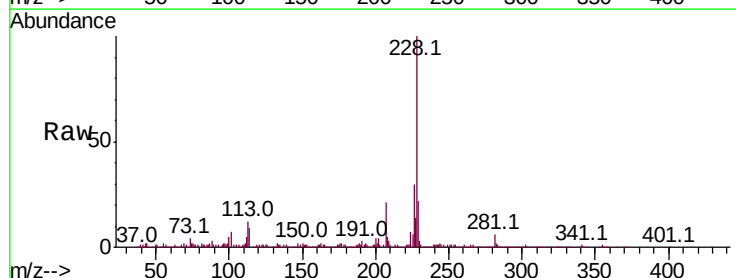
Tgt Ion:228 Resp: 756097

Ion Ratio Lower Upper

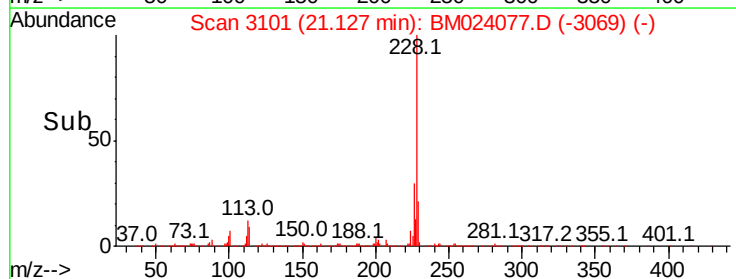
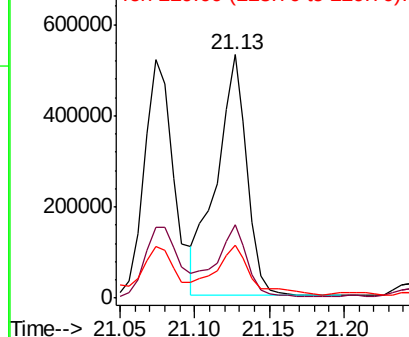
228 100

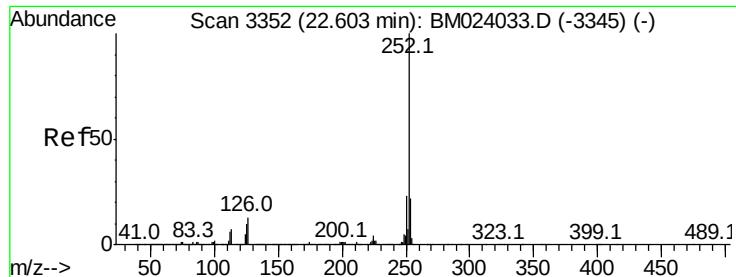
226 30.0 23.4 35.2

229 21.8 15.3 22.9



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: 10.692 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. -0.01 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

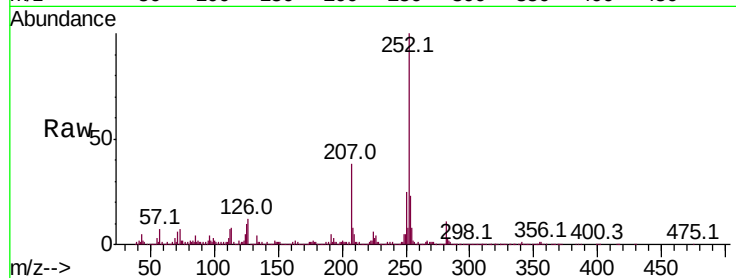
Tot Ion:252 Resp: 1337696

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

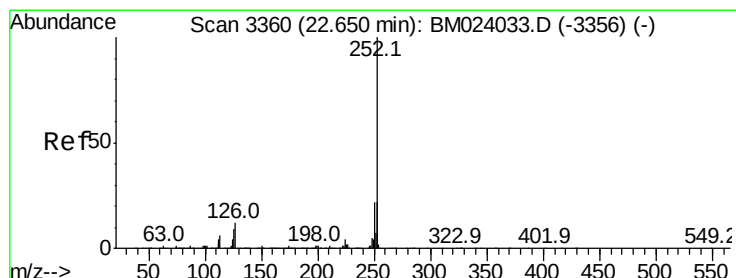
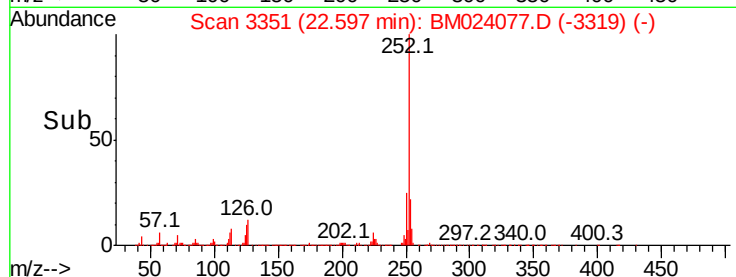
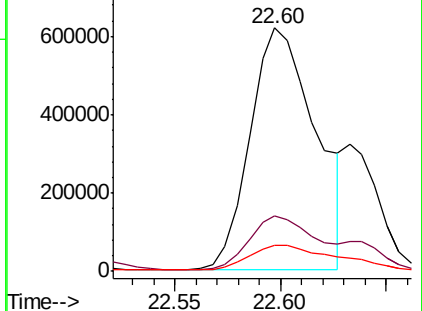
125 10.4 7.4 11.2



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



#89

Benzo(k)fluoranthene

Concen: 11.263 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. -0.05 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

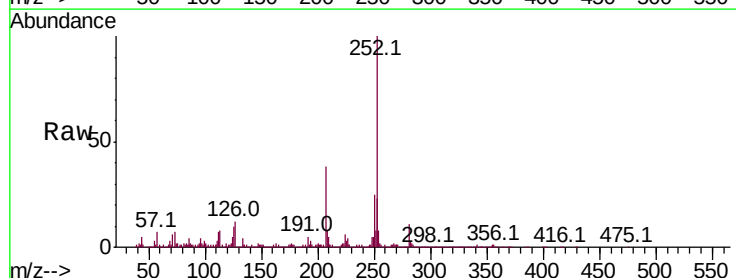
Tgt Ion:252 Resp: 1337696

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

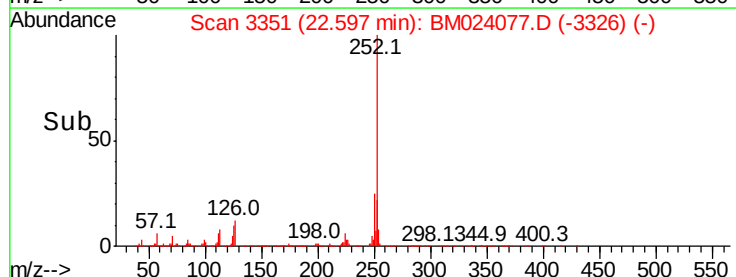
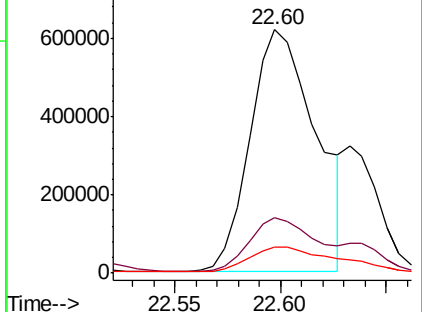
125 10.4 7.0 10.4

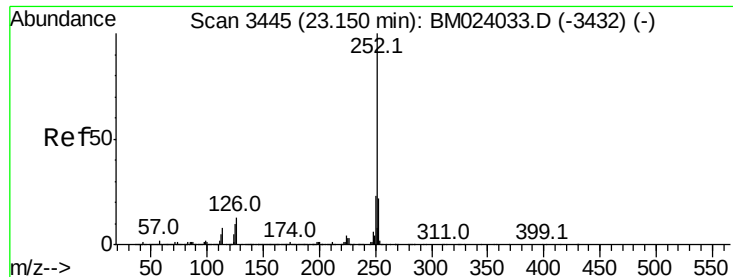


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.648 ng/ul

RT: 23.14 min Scan# 3443

Delta R.T. -0.02 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

Instrument :

BNA_M

ClientSampleId :

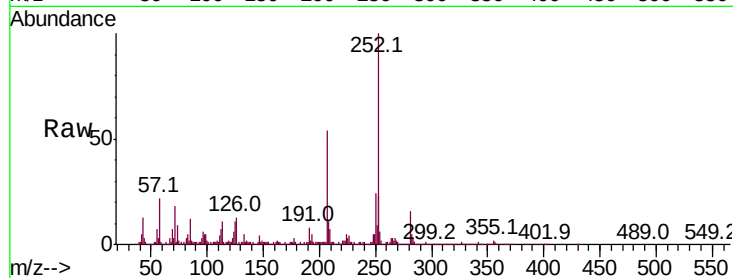
Tot Ion:252 Resp: 786425

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

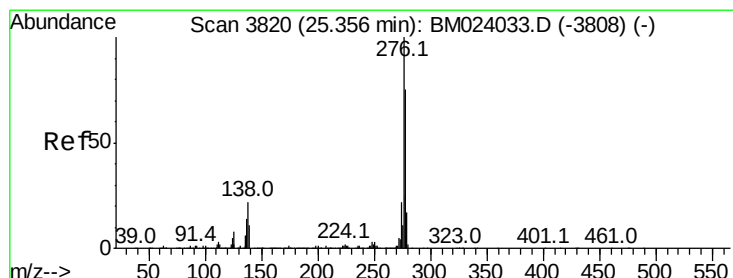
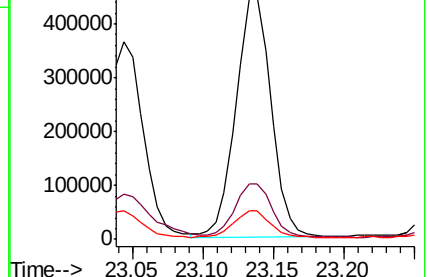
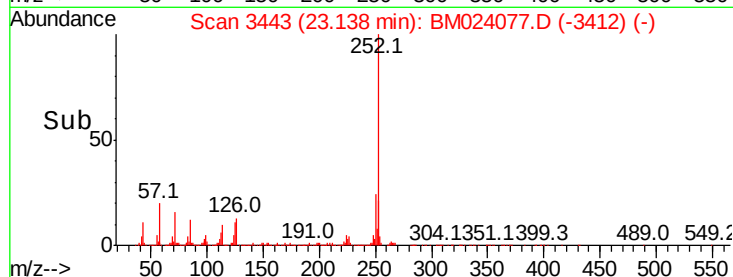
125 11.5 7.8 11.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.980 ng/ul

RT: 25.34 min Scan# 3817

Delta R.T. -0.03 min

Lab File: BM024077.D

Acq: 13 Dec 2019 02:09

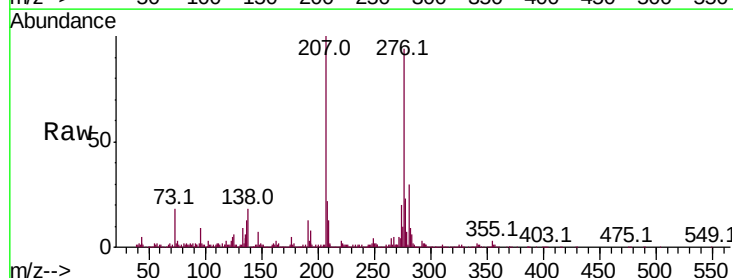
Tgt Ion:276 Resp: 584627

Ion Ratio Lower Upper

276 100

138 18.8 17.0 25.6

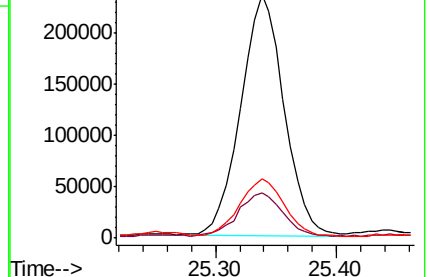
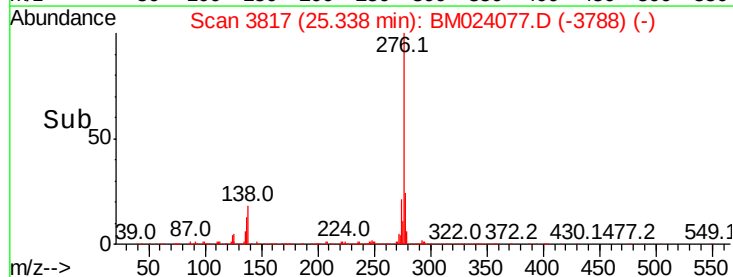
277 24.6 19.8 29.8

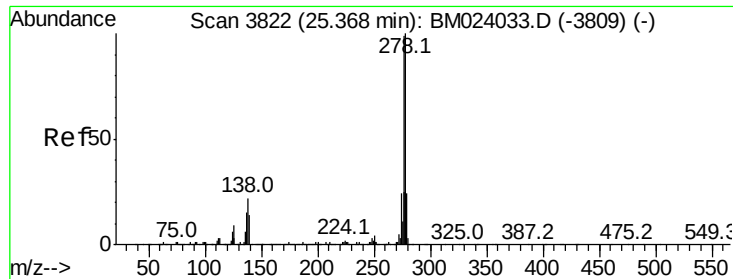


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



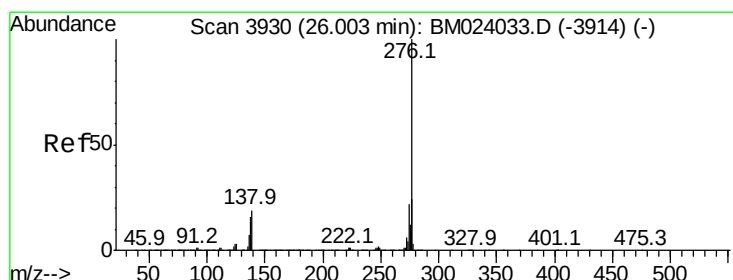
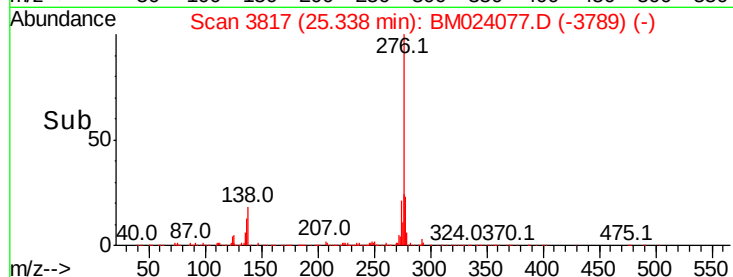
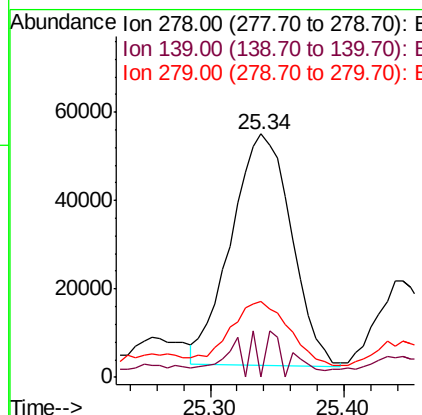
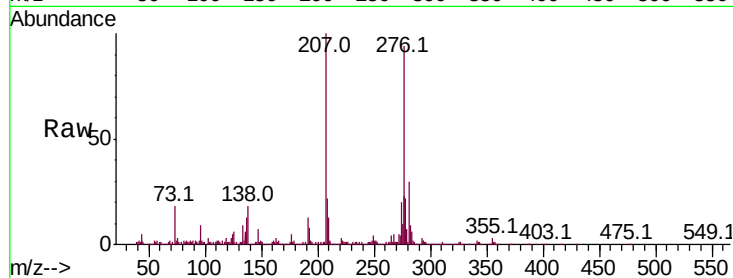


#93

Dibenzo(a,h)anthracene
Concen: 1.338 ng/ul
RT: 25.34 min Scan# 3817
Delta R.T. -0.04 min
Lab File: BM024077.D
Acq: 13 Dec 2019 02:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.6	17.4#
279	31.2	19.1	28.7#



#94

Benzo(g,h,i)perylene
Concen: 4.441 ng/ul
RT: 25.99 min Scan# 3927
Delta R.T. -0.03 min
Lab File: BM024077.D
Acq: 13 Dec 2019 02:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	14.9	22.3
277	23.6	19.1	28.7

