

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\
 Data File : BM025373.D
 Acq On : 08 Mar 2020 06:38
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 09 01:14:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 08:02:03 2020
 Response via : Initial Calibration

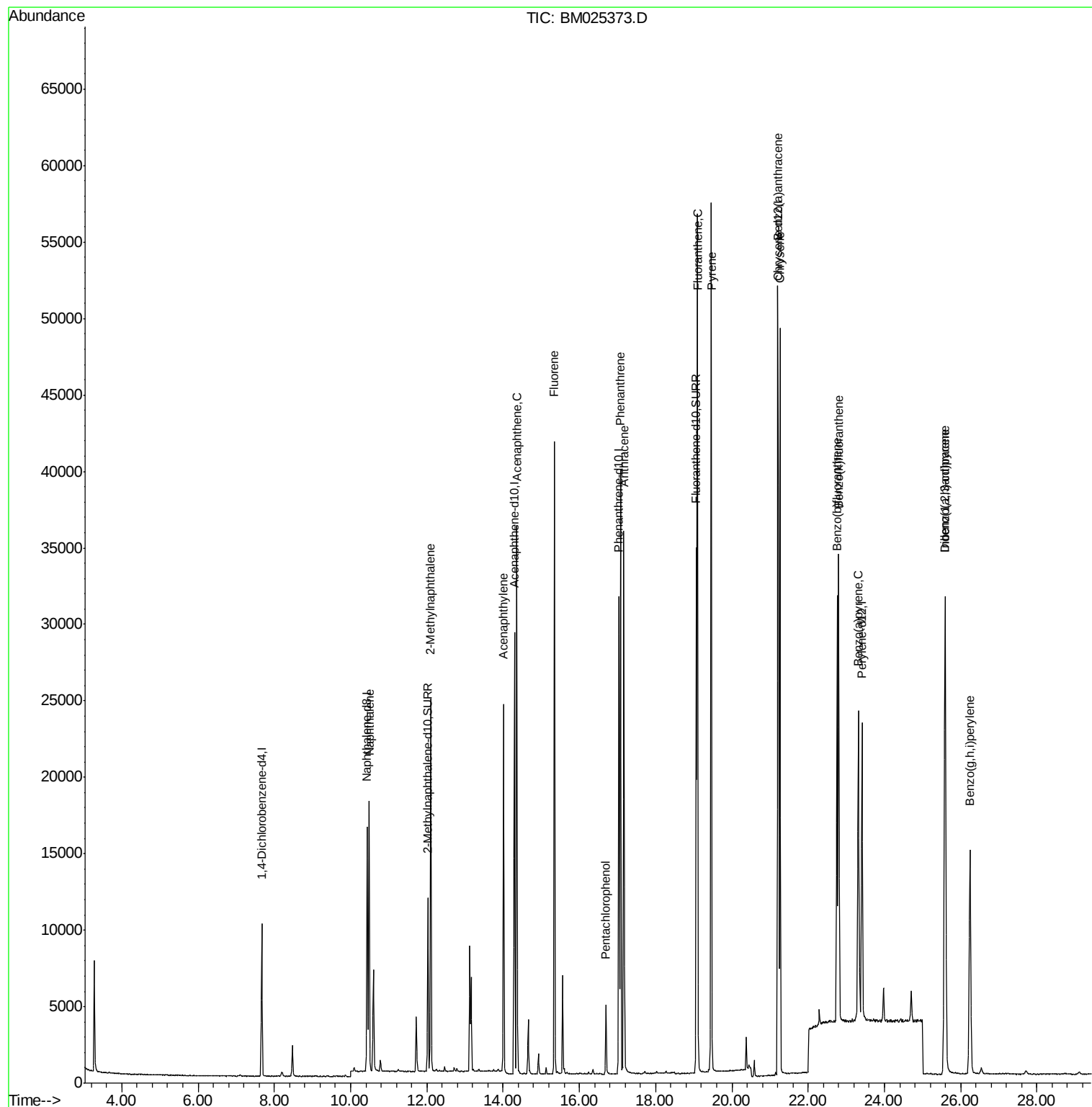
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4957	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	21845	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	15489	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	36161	0.40	ng/ul	-0.01
16) Chrysene-d12	21.22	240	27541	0.40	ng/ul	0.00
20) Perylene-d12	23.41	264	23860	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	15005	0.37	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	38556	0.33	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.48	128	23773	0.362	ng/ul#	82
5) 2-Methylnaphthalene	12.10	142	17534	0.366	ng/ul	100
7) Acenaphthylene	14.01	152	24422	0.337	ng/ul	94
8) Acenaphthene	14.35	153	20493	0.364	ng/ul	98
9) Fluorene	15.34	166	25116	0.356	ng/ul	96
11) Pentachlorophenol	16.70	266	3242	0.343	ng/ul	98
12) Phenanthrene	17.08	178	41871	0.359	ng/ul	95
13) Anthracene	17.17	178	37845	0.366	ng/ul	95
15) Fluoranthene	19.09	202	48278	0.331	ng/ul	96
17) Pyrene	19.46	202	47267	0.453	ng/ul	96
18) Benzo(a)anthracene	21.20	228	39170	0.387	ng/ul	98
19) Chrysene	21.26	228	40621	0.365	ng/ul	97
21) Benzo(b)fluoranthene	22.76	252	34194	0.358	ng/ul	94
22) Benzo(k)fluoranthene	22.80	252	37063	0.370	ng/ul	97
23) Benzo(a)pyrene	23.31	252	29935	0.373	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.58	276	37178	0.372	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.60	278	30953	0.374	ng/ul#	94
26) Benzo(g,h,i)perylene	26.24	276	30387	0.358	ng/ul#	91

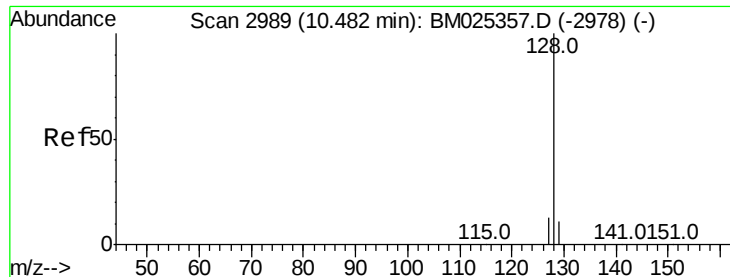
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.362 ng/ul

RT: 10.48 min Scan# 2989

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

Instrument :

BNA_M

ClientSampleId :

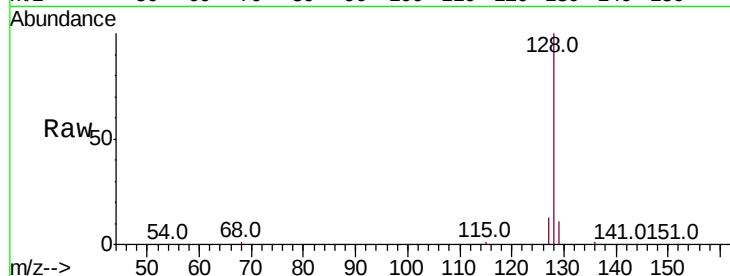
Tot Ion:128 Resp: 23773

Ion Ratio Lower Upper

128 100

129 11.1 17.0 25.6#

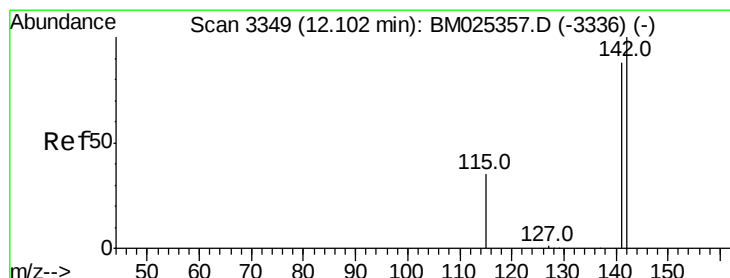
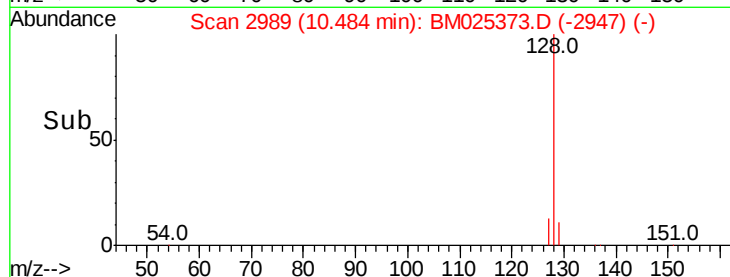
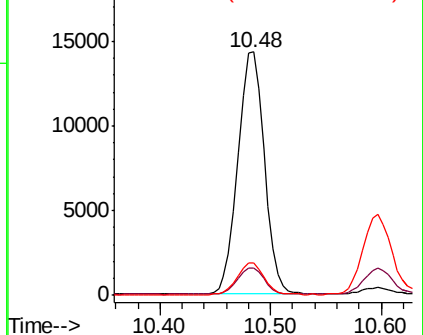
127 13.1 15.7 23.5#



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



#5

2-Methylnaphthalene

Concen: 0.366 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM025373.D

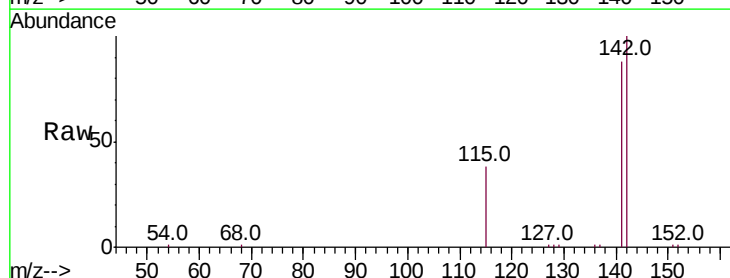
Acq: 08 Mar 2020 06:38

Tgt Ion:142 Resp: 17534

Ion Ratio Lower Upper

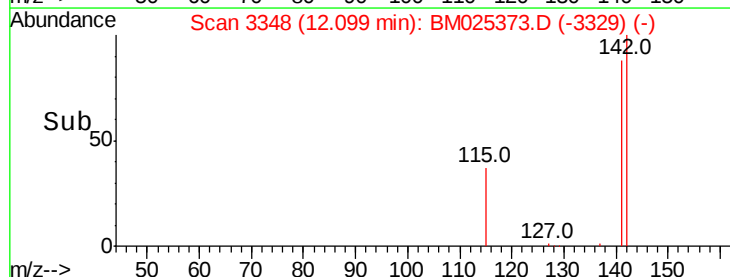
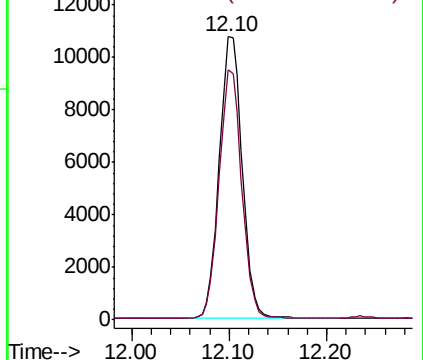
142 100

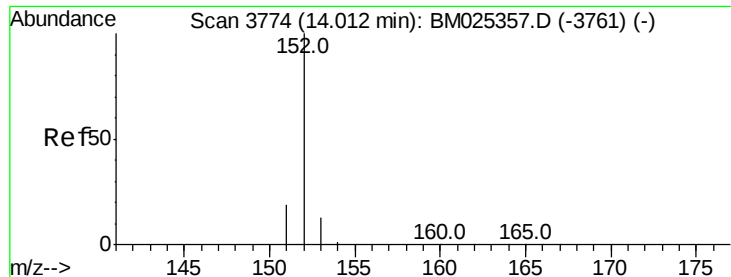
141 87.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.337 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

Instrument :

BNA_M

ClientSampleId :

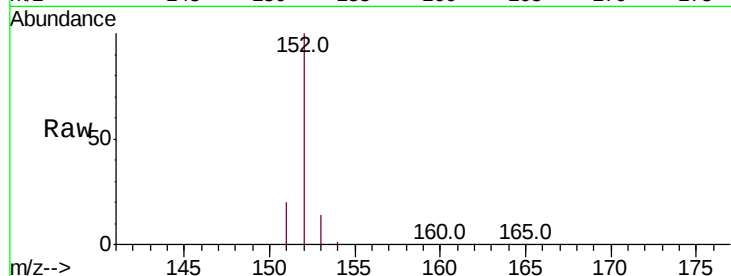
Tot Ion:152 Resp: 24422

Ion Ratio Lower Upper

152 100

151 19.6 17.8 26.8

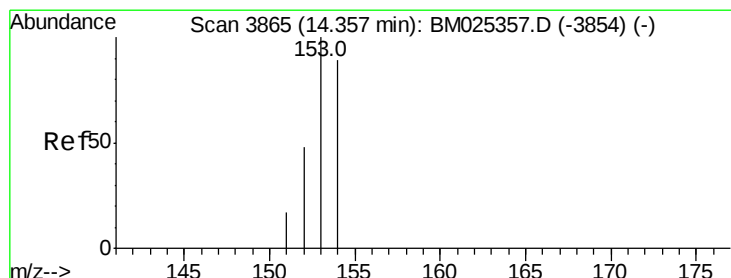
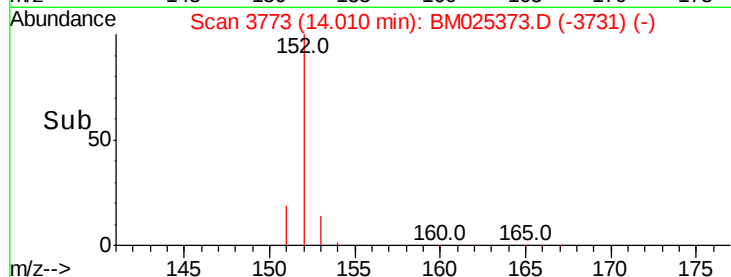
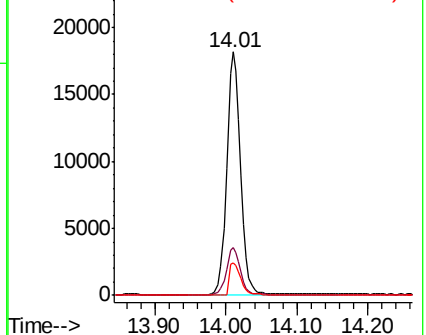
153 13.5 13.3 19.9



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



#8

Acenaphthene

Concen: 0.364 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

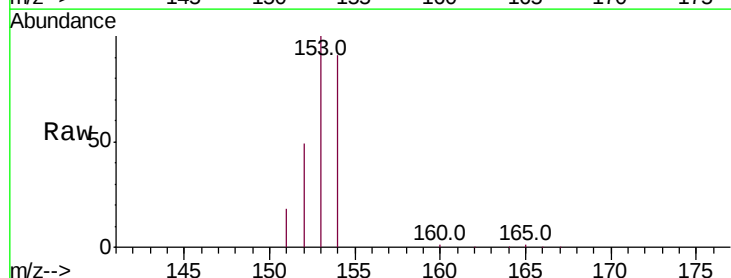
Tgt Ion:153 Resp: 20493

Ion Ratio Lower Upper

153 100

152 48.8 40.0 60.0

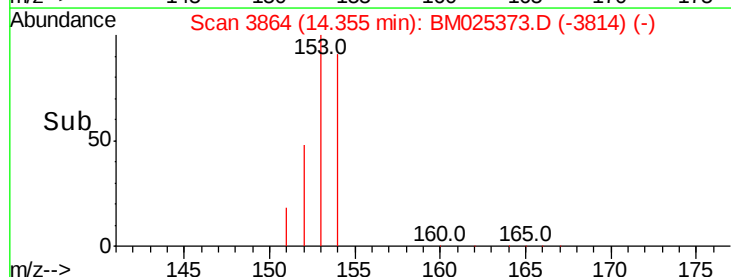
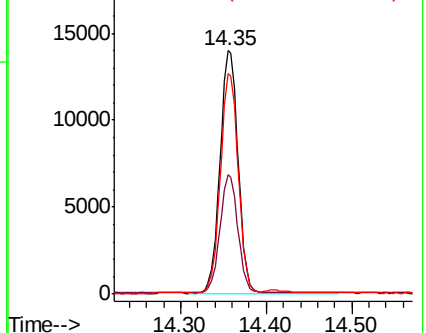
154 90.6 71.0 106.6

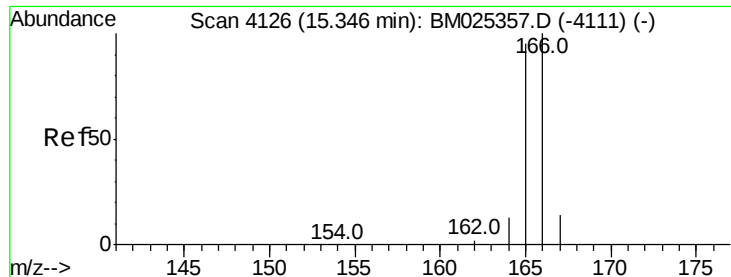


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.356 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

Instrument :

BNA_M

ClientSampleId :

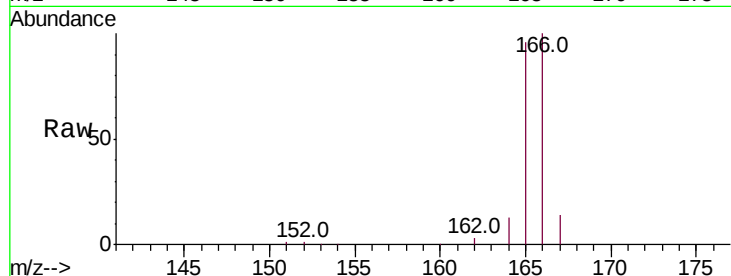
Tot Ion:166 Resp: 25116

Ion Ratio Lower Upper

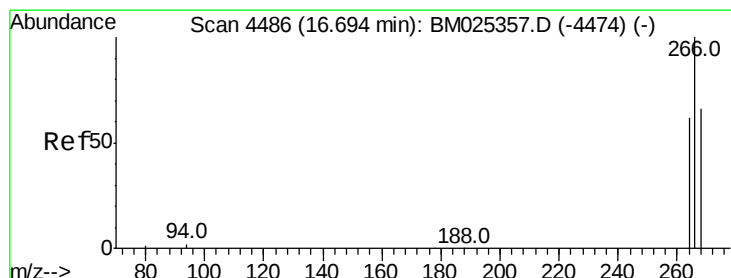
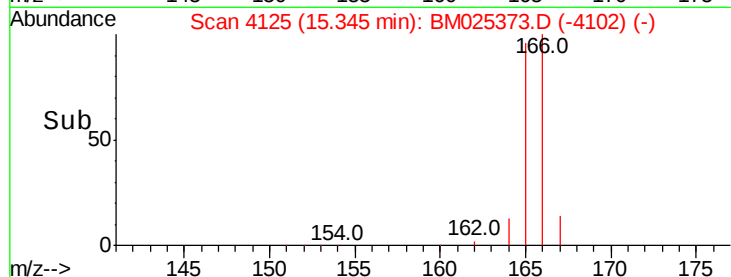
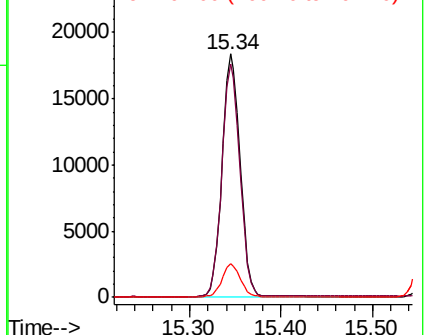
166 100

165 96.1 80.0 120.0

167 14.1 13.7 20.5



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



#11

Pentachlorophenol

Concen: 0.343 ng/ul

RT: 16.70 min Scan# 4486

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

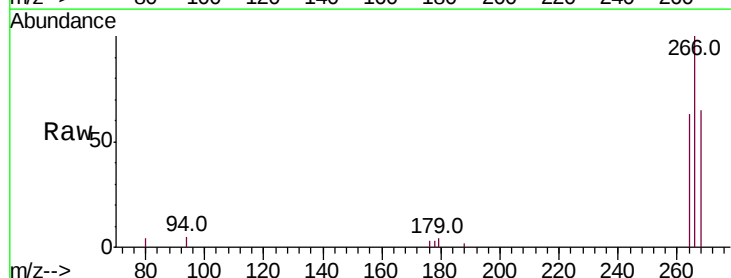
Tgt Ion:266 Resp: 3242

Ion Ratio Lower Upper

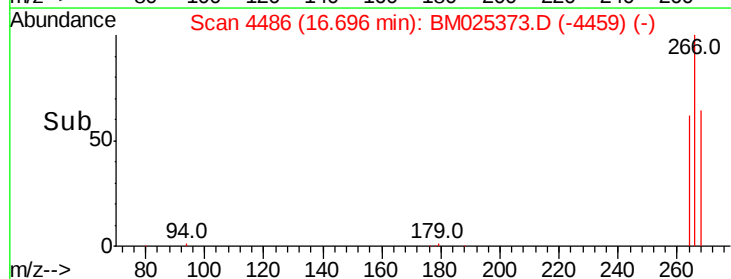
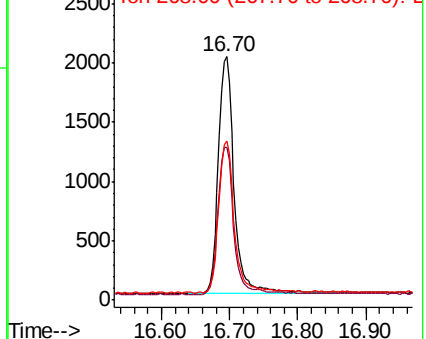
266 100

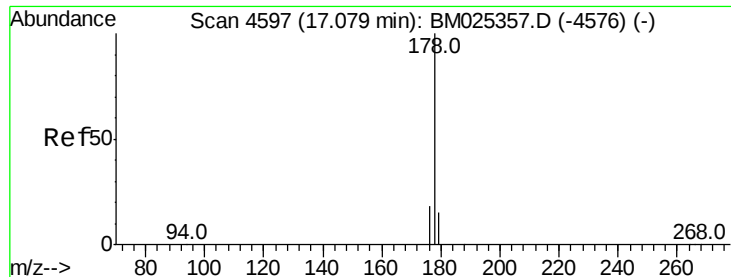
264 61.8 49.8 74.6

268 63.7 49.0 73.4



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.359 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

Instrument :

BNA_M

ClientSampleId :

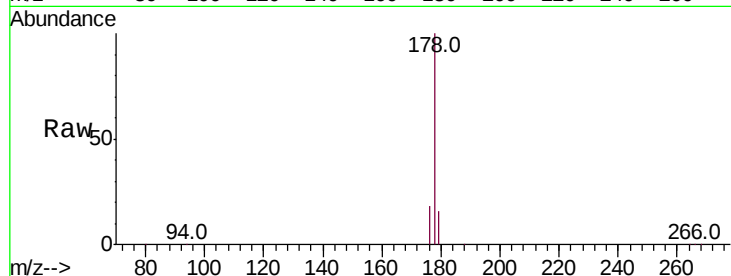
Tot Ion:178 Resp: 41871

Ion Ratio Lower Upper

178 100

179 15.5 14.0 21.0

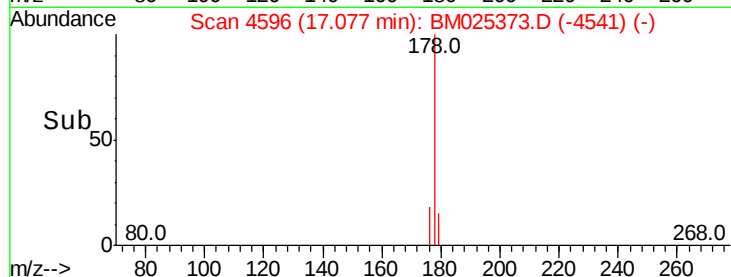
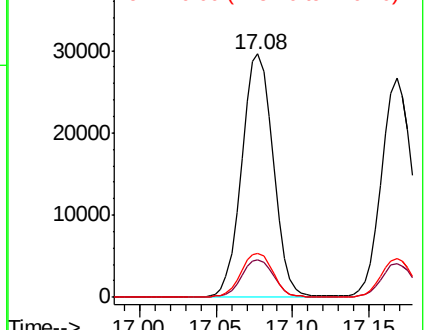
176 18.3 16.6 24.8



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



#13

Anthracene

Concen: 0.366 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

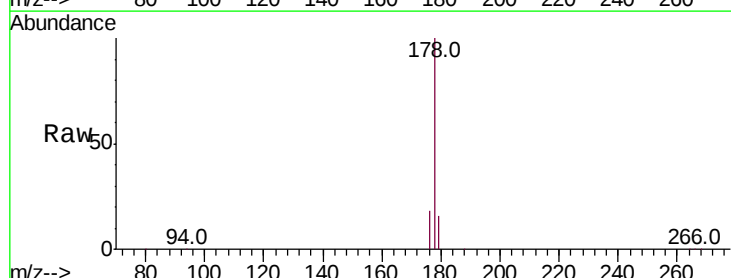
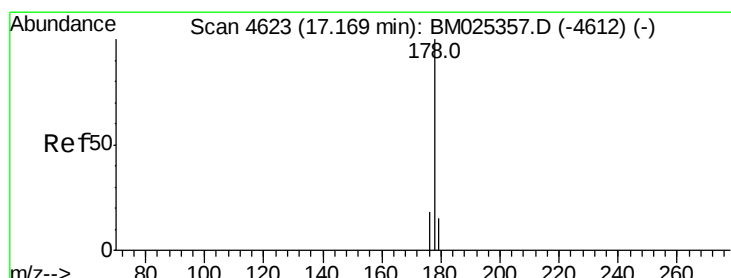
Tgt Ion:178 Resp: 37845

Ion Ratio Lower Upper

178 100

179 15.6 14.1 21.1

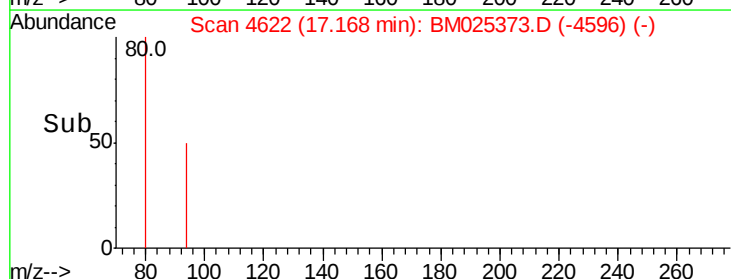
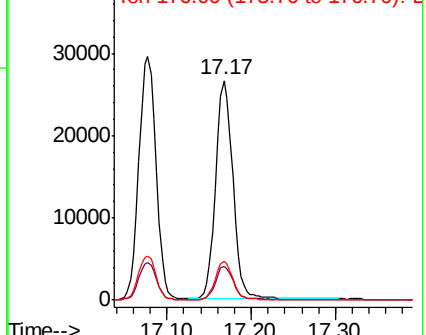
176 18.0 16.2 24.4

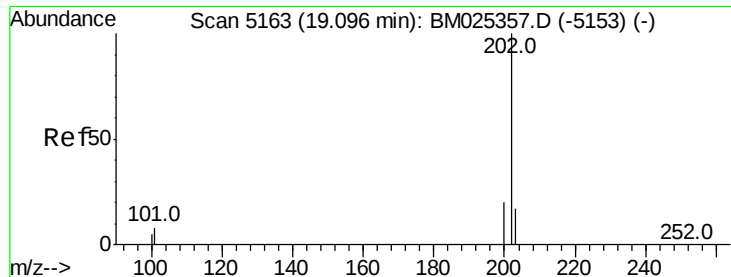


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

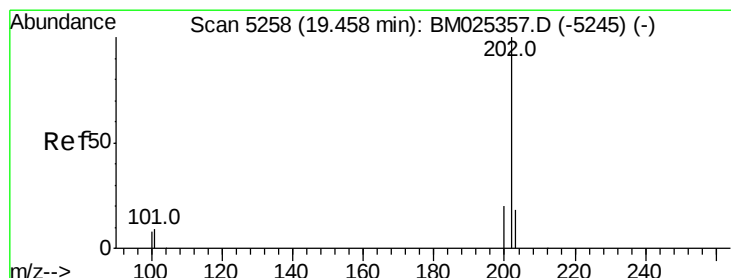
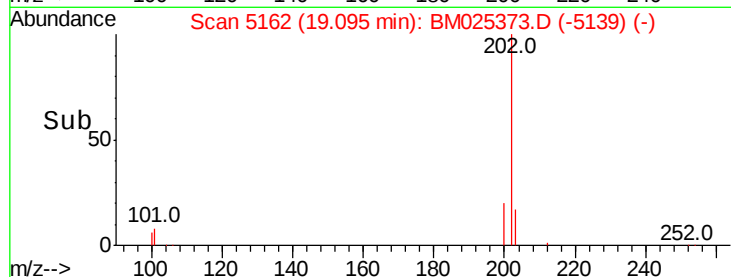
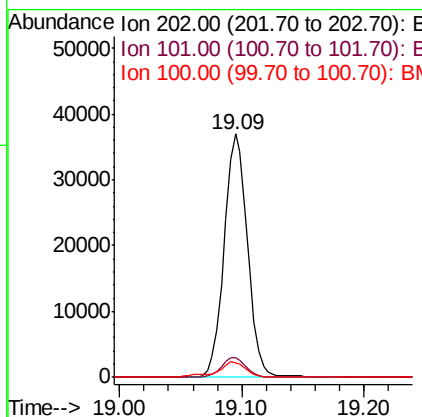
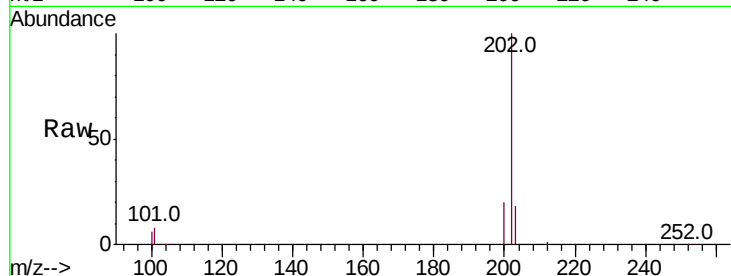




#15
Fluoranthene
Concen: 0.331 ng/ul
RT: 19.09 min Scan# 5162
Delta R.T. -0.01 min
Lab File: BM025373.D
Acq: 08 Mar 2020 06:38

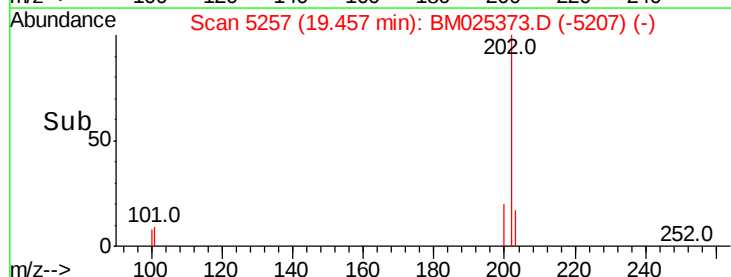
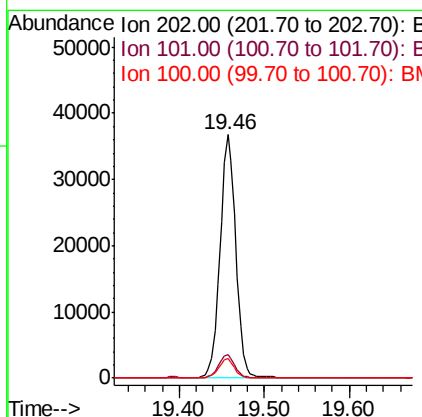
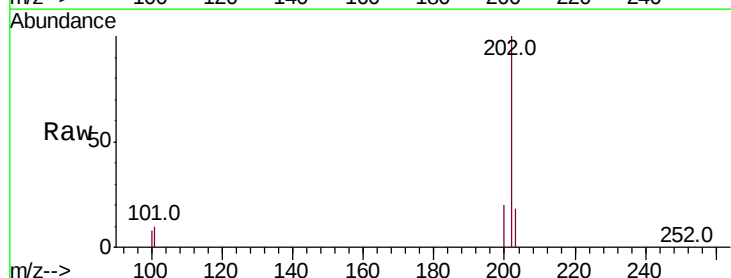
Instrument :
BNA_M
ClientSampleId :

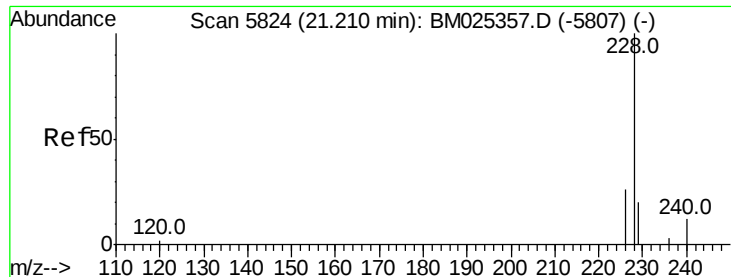
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	29.4
100	6.2	0.0	28.0



#17
Pyrene
Concen: 0.453 ng/ul
RT: 19.46 min Scan# 5257
Delta R.T. -0.01 min
Lab File: BM025373.D
Acq: 08 Mar 2020 06:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.7	13.1
100	7.8	7.3	10.9

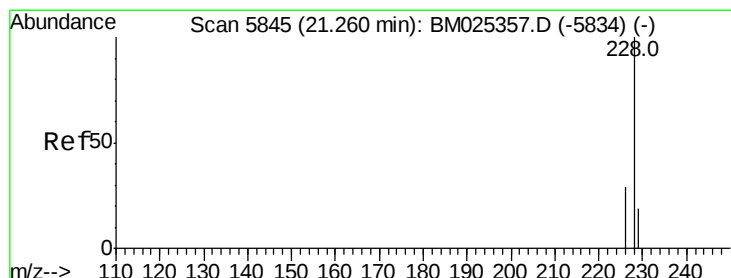
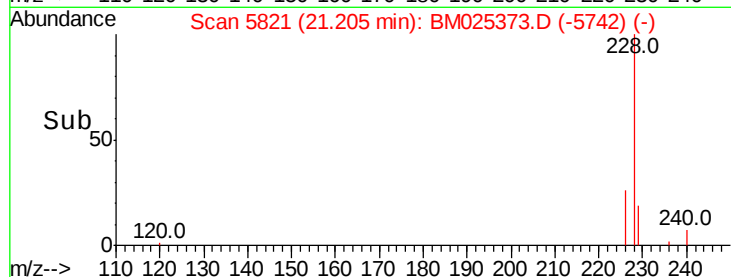
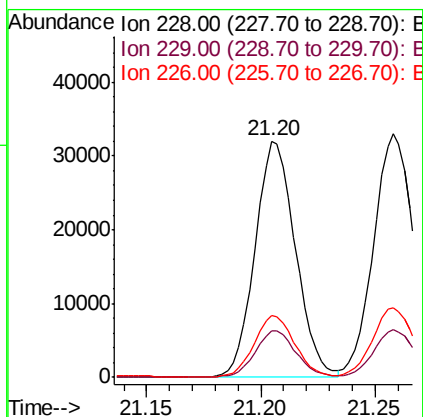
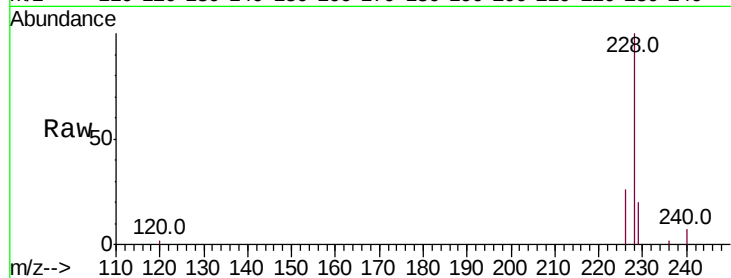




#18
Benzo(a)anthracene
Concen: 0.387 ng/ul
RT: 21.20 min Scan# 5821
Delta R.T. -0.01 min
Lab File: BM025373.D
Acq: 08 Mar 2020 06:38

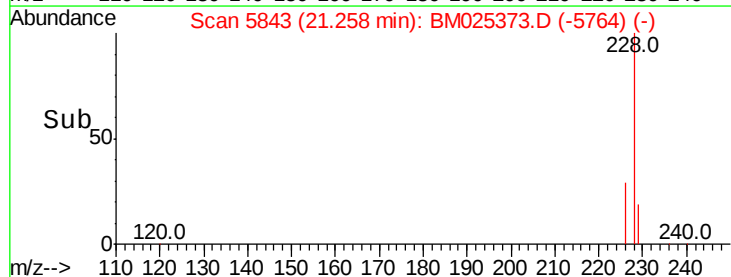
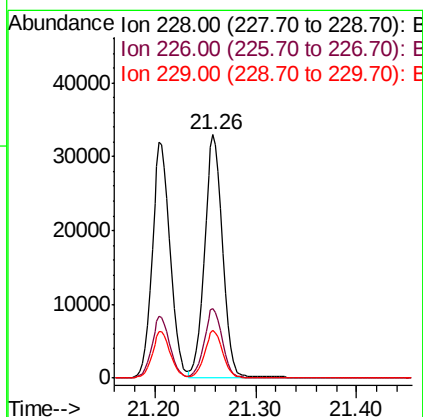
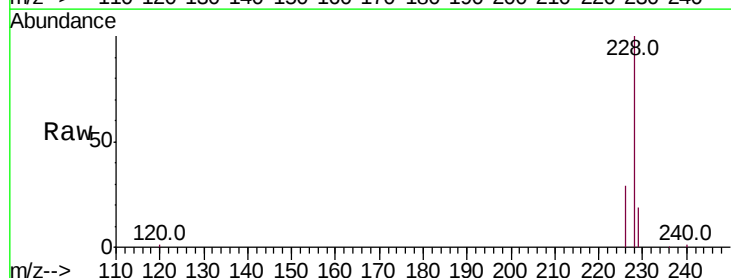
Instrument :
BNA_M
ClientSampleId :

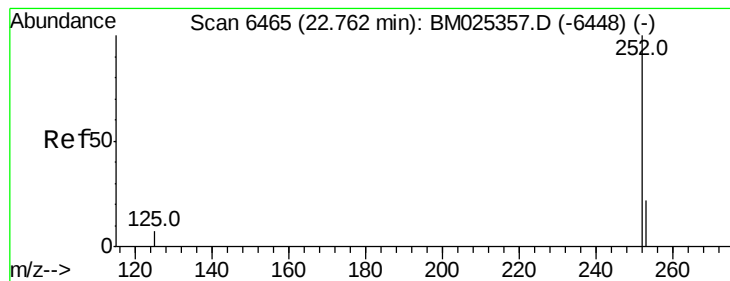
Tot Ion:228 Resp: 39170
Ion Ratio Lower Upper
228 100
229 19.6 16.6 25.0
226 26.2 21.9 32.9



#19
Chrysene
Concen: 0.365 ng/ul
RT: 21.26 min Scan# 5843
Delta R.T. -0.01 min
Lab File: BM025373.D
Acq: 08 Mar 2020 06:38

Tgt Ion:228 Resp: 40621
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.8
229 19.4 16.9 25.3





#21

Benzo(b)fluoranthene

Concen: 0.358 ng/ul

RT: 22.76 min Scan# 6462

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

Instrument :

BNA_M

ClientSampleId :

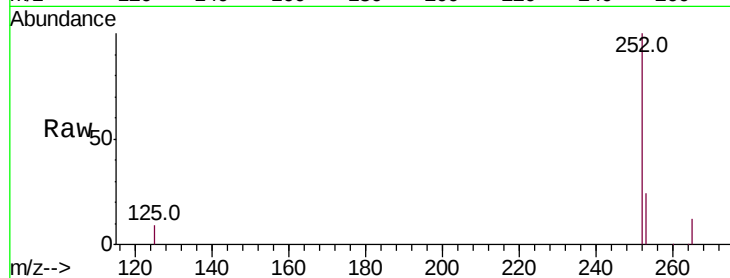
Tot Ion:252 Resp: 34194

Ion Ratio Lower Upper

252 100

253 23.9 0.0 49.8

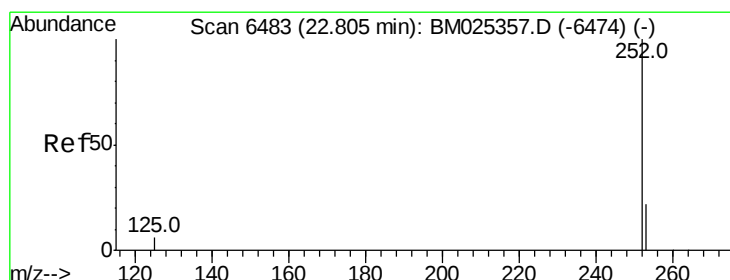
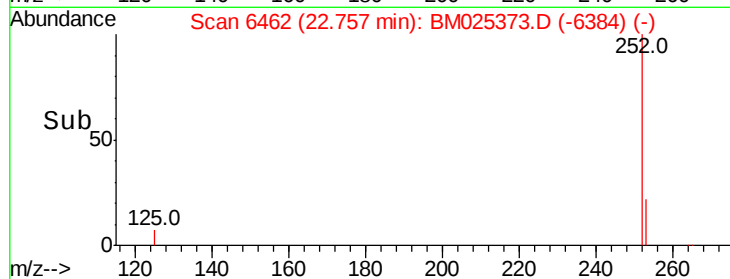
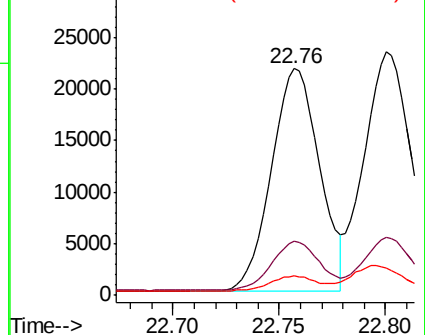
125 8.7 0.0 28.6



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



#22

Benzo(k)fluoranthene

Concen: 0.370 ng/ul

RT: 22.80 min Scan# 6480

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

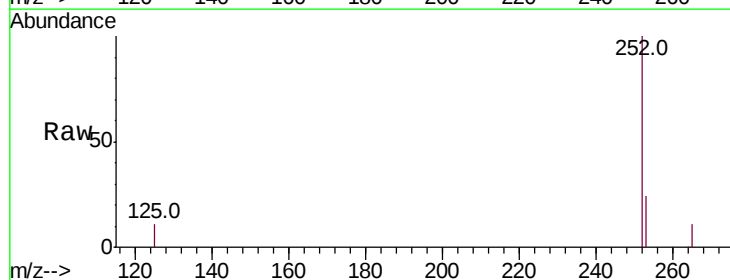
Tgt Ion:252 Resp: 37063

Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.0

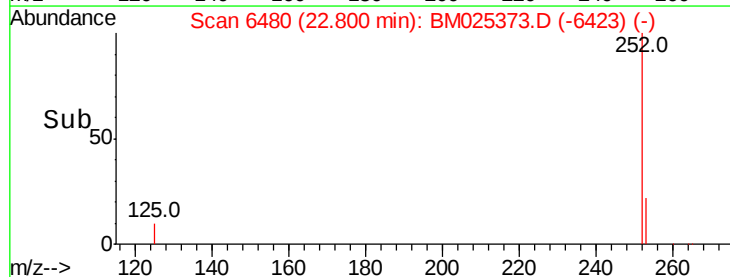
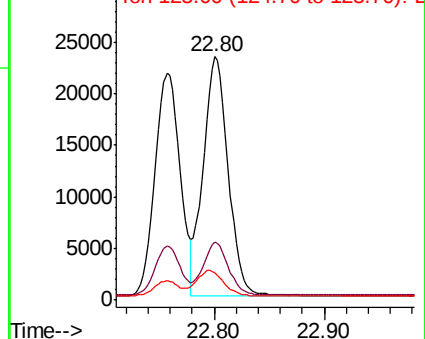
125 11.2 10.7 16.1

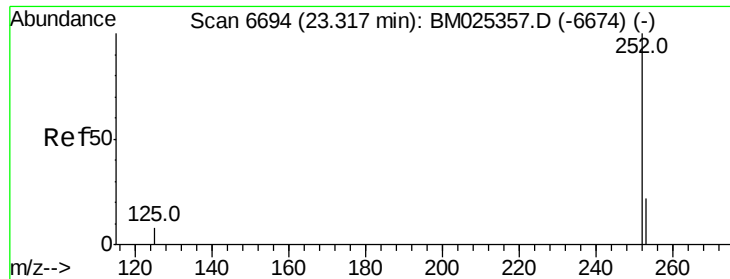


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.373 ng/ul

RT: 23.31 min Scan# 6692

Delta R.T. -0.01 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

Instrument :

BNA_M

ClientSampleId :

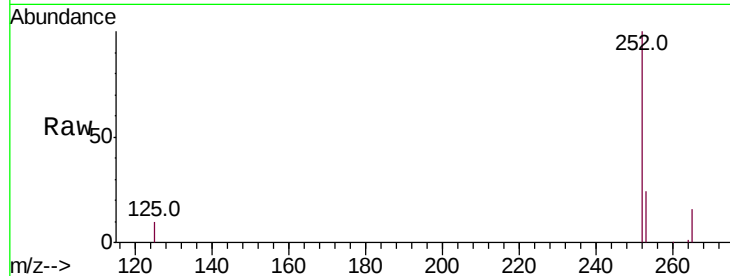
Tot Ion:252 Resp: 29935

Ion Ratio Lower Upper

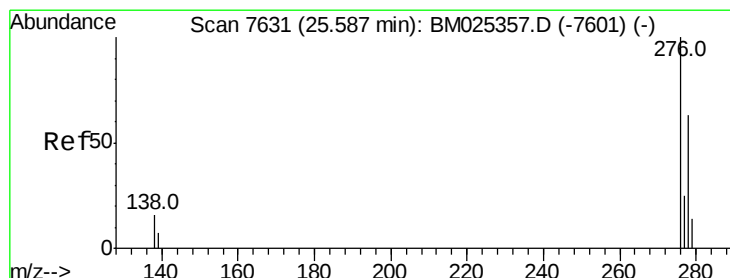
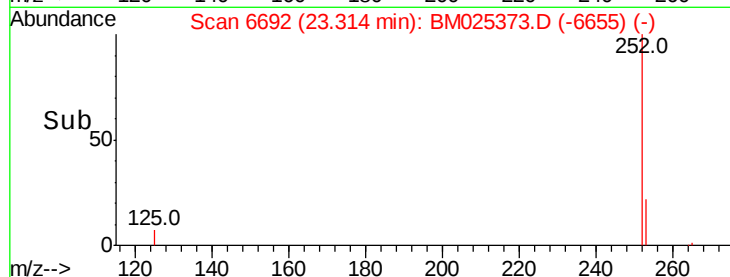
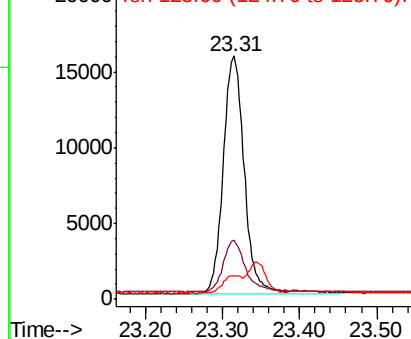
252 100

253 24.4 20.3 30.5

125 9.7 13.0 19.4#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.372 ng/ul

RT: 25.58 min Scan# 7629

Delta R.T. -0.02 min

Lab File: BM025373.D

Acq: 08 Mar 2020 06:38

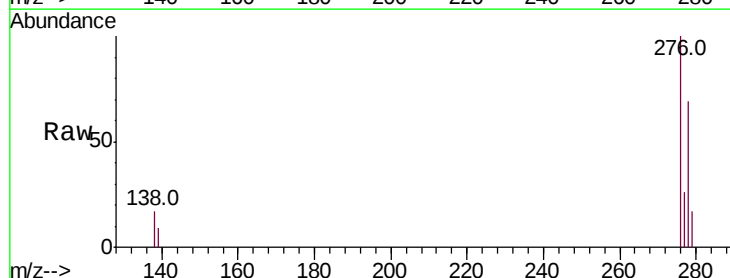
Tgt Ion:276 Resp: 37178

Ion Ratio Lower Upper

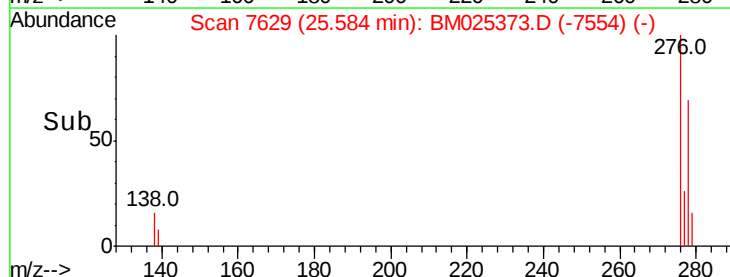
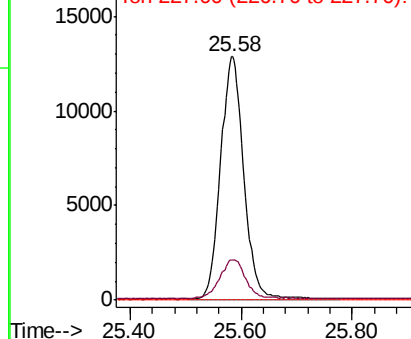
276 100

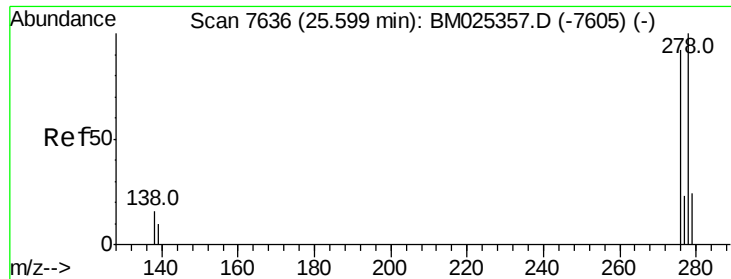
138 17.5 0.0 0.0#

227 0.0 0.0 0.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

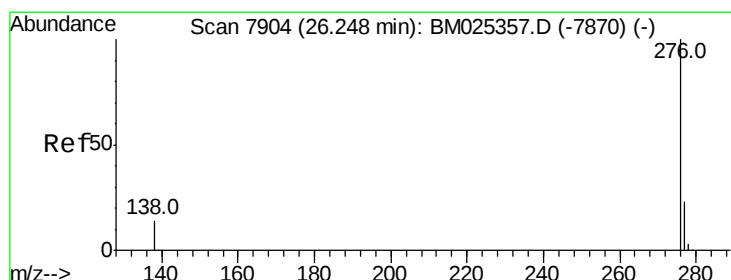
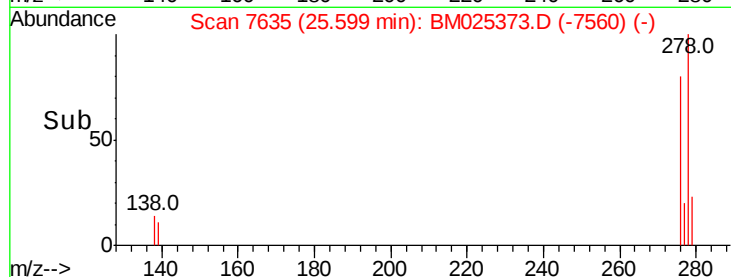
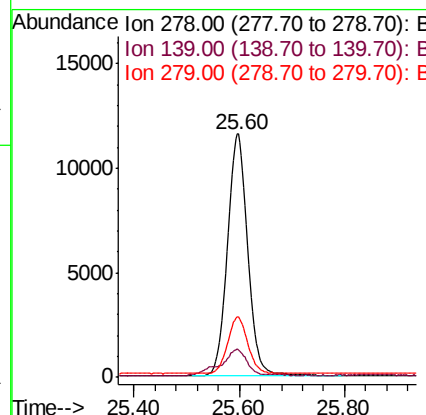
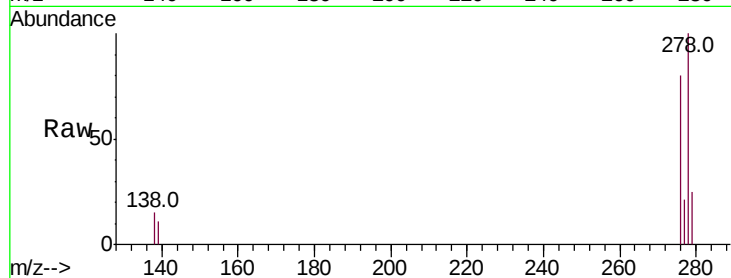




#25
Dibenzo(a,h)anthracene
Concen: 0.374 ng/ul
RT: 25.60 min Scan# 7635
Delta R.T. -0.02 min
Lab File: BM025373.D
Acq: 08 Mar 2020 06:38

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 30953
Ion Ratio Lower Upper
278 100
139 11.3 13.2 19.8#
279 24.8 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.358 ng/ul
RT: 26.24 min Scan# 7900
Delta R.T. -0.02 min
Lab File: BM025373.D
Acq: 08 Mar 2020 06:38

Tgt Ion:276 Resp: 30387
Ion Ratio Lower Upper
276 100
138 14.7 17.9 26.9#
277 24.5 20.5 30.7

