

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022020\
 Data File : BM024985.D
 Acq On : 20 Feb 2020 18:52
 Operator : CG/JU
 Sample : SSTD1.680
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 21 01:41:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 21 01:39:01 2020
 Response via : Initial Calibration

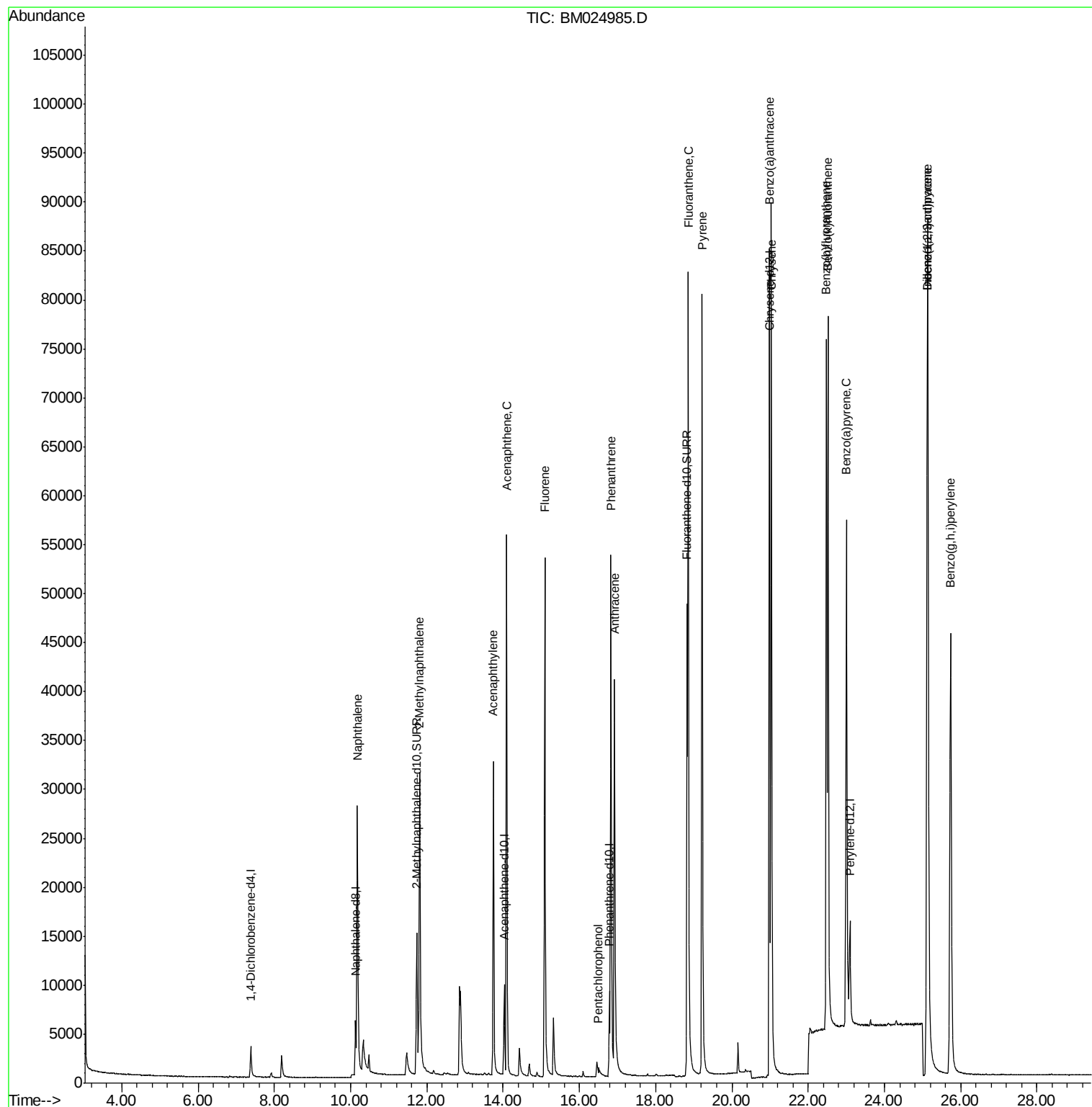
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	2378	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	9696	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	6676	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.79	188	12735	0.40	ng/ul	0.00
16) Chrysene-d12	21.00	240	14604	0.40	ng/ul	0.00
20) Perylene-d12	23.09	264	14329	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.73	152	27656	1.74	ng/ul	0.00
14) Fluoranthene-d10	18.82	212	64868	1.86	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.18	128	45951	1.663	ng/ul	97
5) 2-Methylnaphthalene	11.81	142	30864	1.630	ng/ul	98
7) Acenaphthylene	13.75	152	45454	1.471	ng/ul	98
8) Acenaphthene	14.09	153	34660	1.340	ng/ul	99
9) Fluorene	15.09	166	40484	1.366	ng/ul	99
11) Pentachlorophenol	16.50	266	2862	1.108	ng/ul	93
12) Phenanthrene	16.83	178	64458	1.589	ng/ul	99
13) Anthracene	16.92	178	59068	1.697	ng/ul	98
15) Fluoranthene	18.85	202	81888	1.870	ng/ul	98
17) Pyrene	19.22	202	83661	1.264	ng/ul	98
18) Benzo(a)anthracene	20.98	228	78058	1.397	ng/ul	99
19) Chrysene	21.04	228	93472	1.590	ng/ul	98
21) Benzo(b)fluoranthene	22.48	252	87435	1.404	ng/ul	93
22) Benzo(k)fluoranthene	22.52	252	100116	1.576	ng/ul#	88
23) Benzo(a)pyrene	23.00	252	83647	1.535	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.12	276	113812	1.713	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.14	278	93808	1.747	ng/ul	94
26) Benzo(g,h,i)perylene	25.73	276	99913	1.887	ng/ul	97

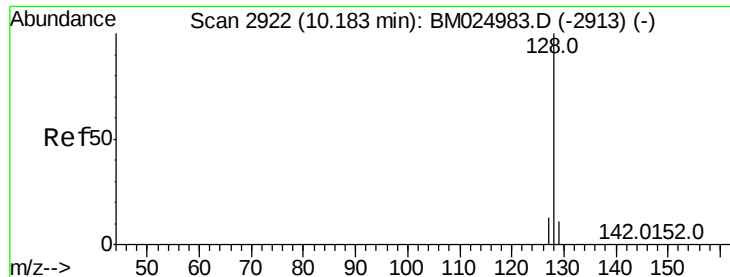
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.663 ng/ul

RT: 10.18 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

Instrument :

BNA_M

ClientSampleId :

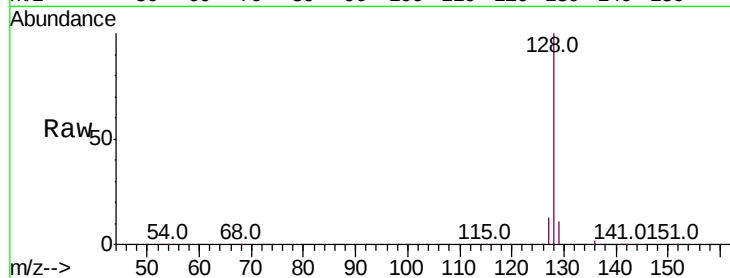
Tot Ion:128 Resp: 45951

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.6

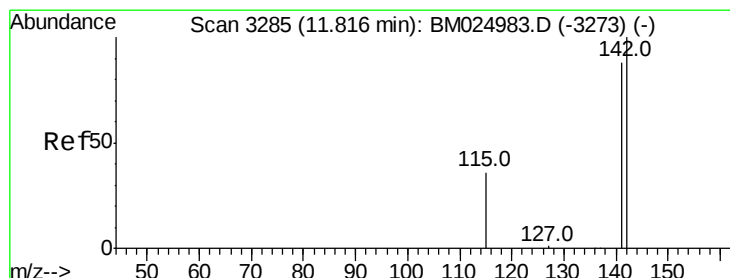
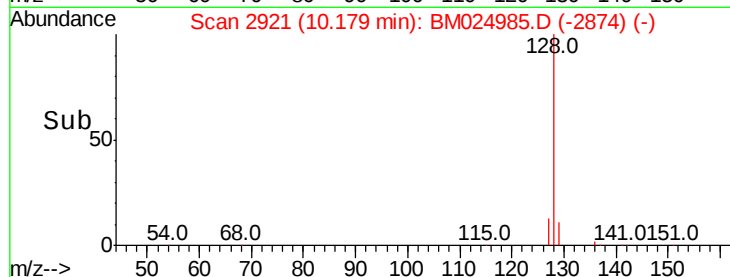
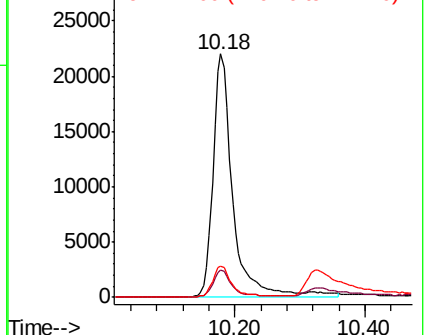
127 13.0 11.5 17.3



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: 1.630 ng/ul

RT: 11.81 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BM024985.D

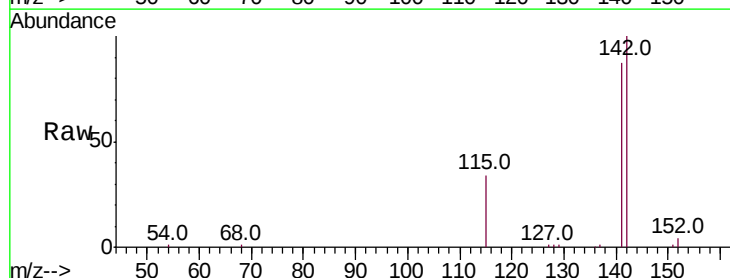
Acq: 20 Feb 2020 18:52

Tgt Ion:142 Resp: 30864

Ion Ratio Lower Upper

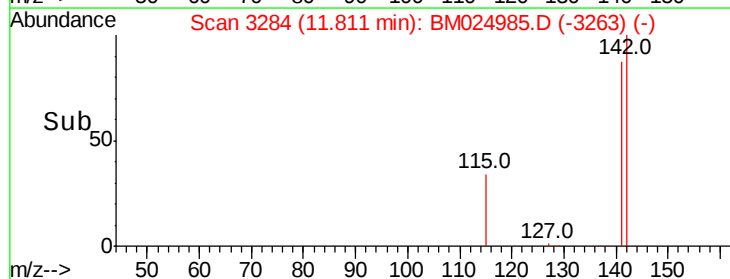
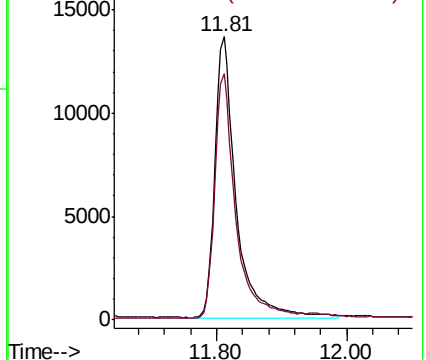
142 100

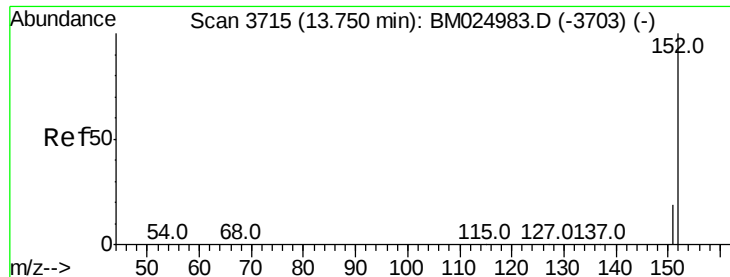
141 88.6 72.2 108.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.471 ng/ul

RT: 13.75 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

Instrument :

BNA_M

ClientSampleId :

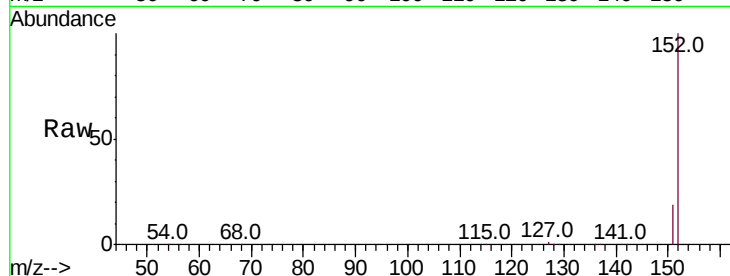
Tot Ion:152 Resp: 45454

Ion Ratio Lower Upper

152 100

151 19.3 16.1 24.1

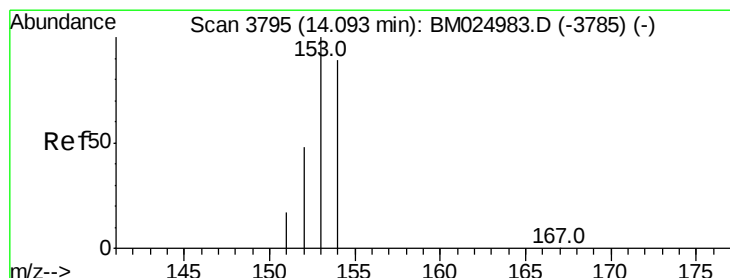
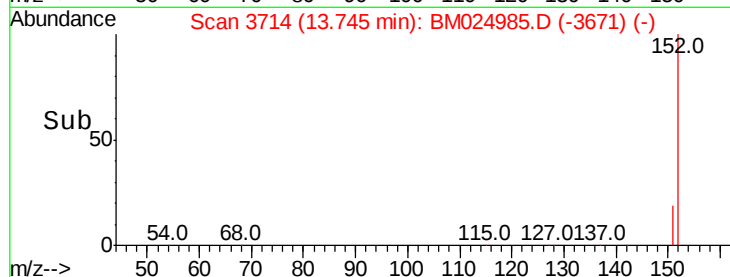
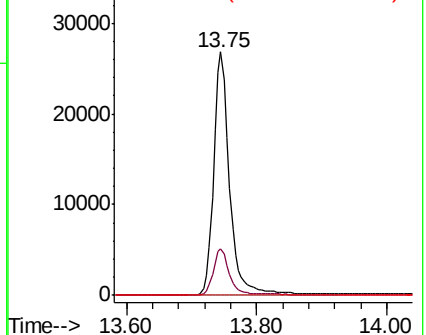
153 0.0 0.0 0.0



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: 1.340 ng/ul

RT: 14.09 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

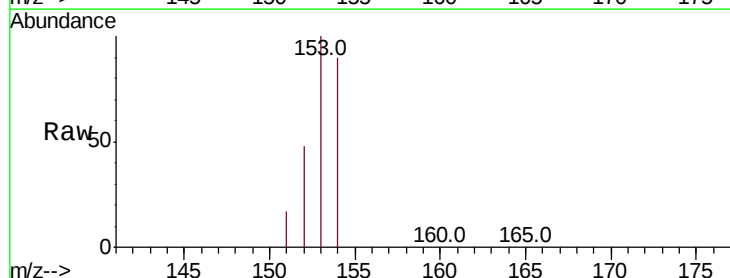
Tgt Ion:153 Resp: 34660

Ion Ratio Lower Upper

153 100

152 48.3 39.8 59.6

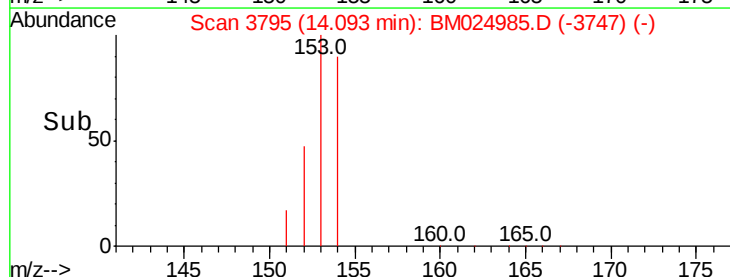
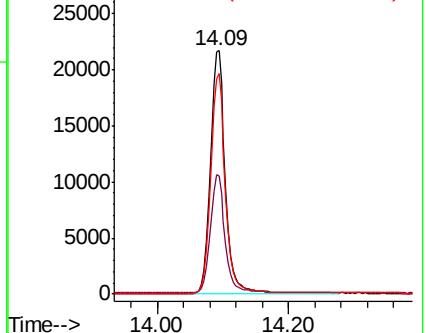
154 90.3 71.8 107.6

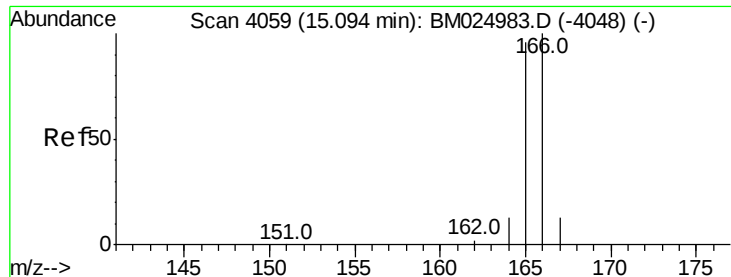


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.366 ng/ul

RT: 15.09 min Scan# 4058

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

Instrument :

BNA_M

ClientSampleId :

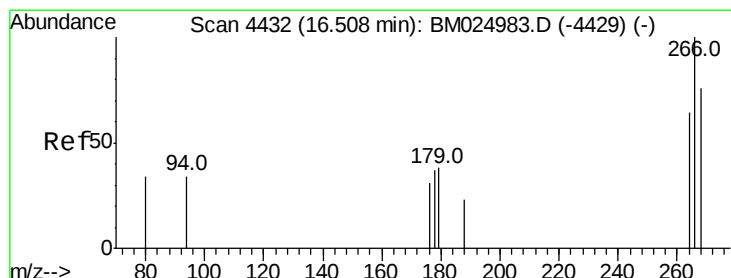
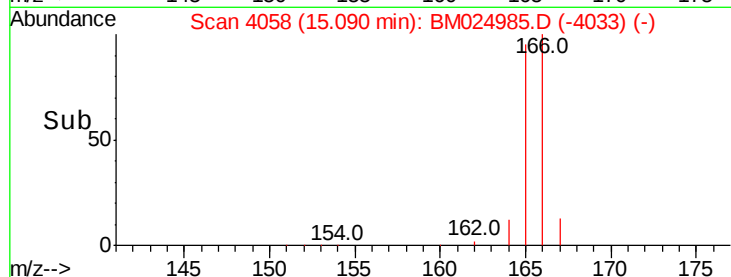
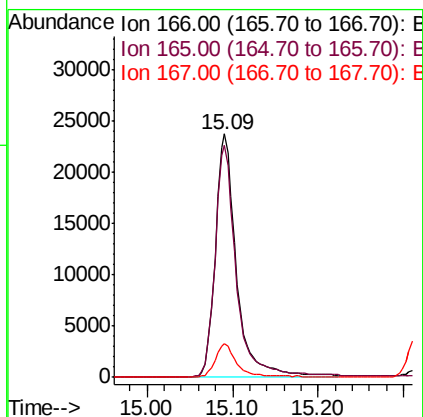
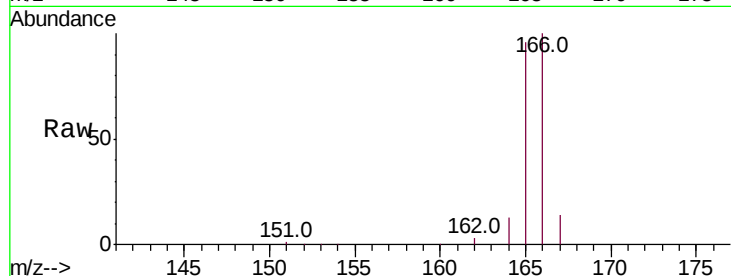
Tot Ion:166 Resp: 40484

Ion Ratio Lower Upper

166 100

165 95.5 77.5 116.3

167 13.6 11.5 17.3



#11

Pentachlorophenol

Concen: 1.108 ng/ul

RT: 16.50 min Scan# 4431

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

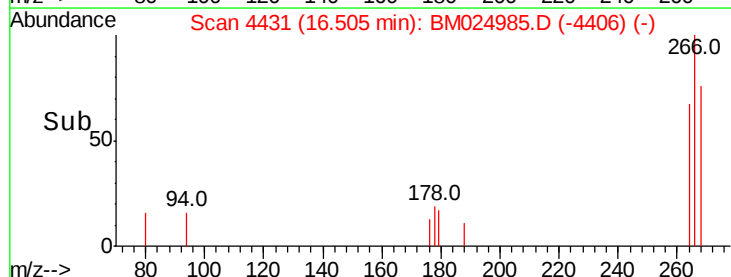
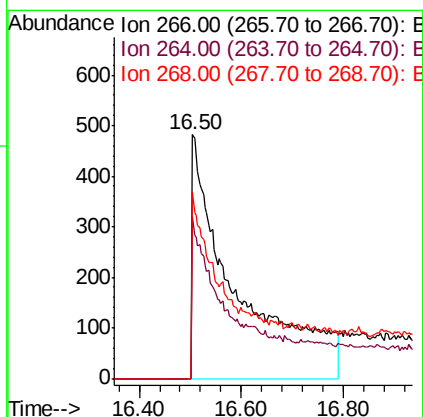
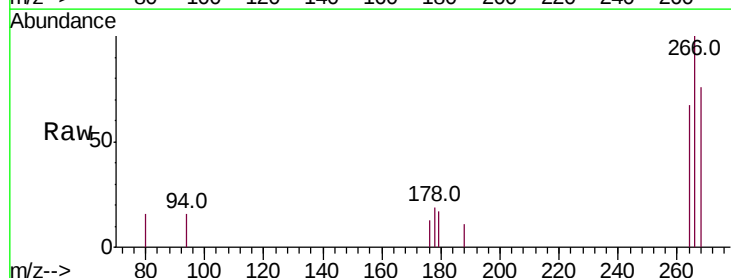
Tgt Ion:266 Resp: 2862

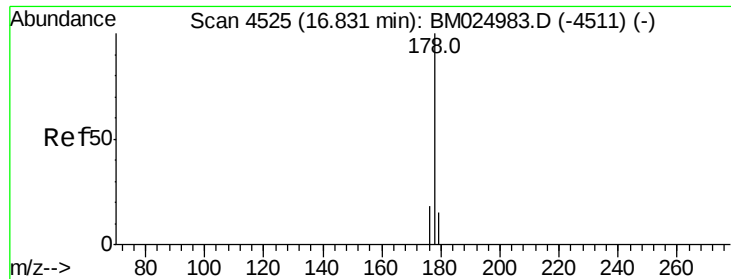
Ion Ratio Lower Upper

266 100

264 68.6 56.9 85.3

268 86.9 77.6 116.4

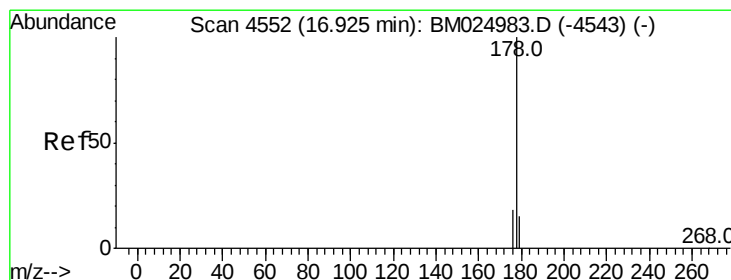
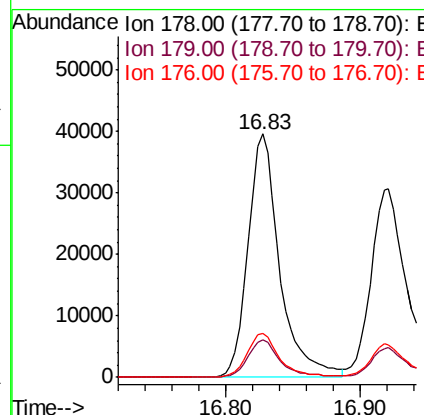
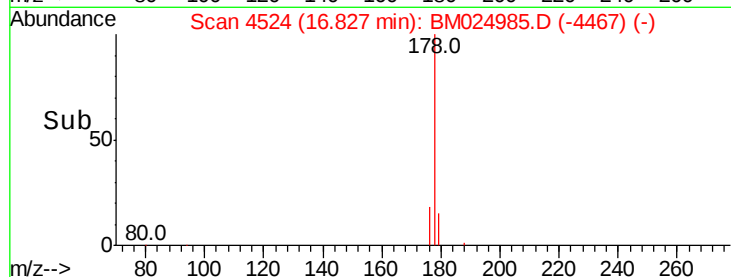
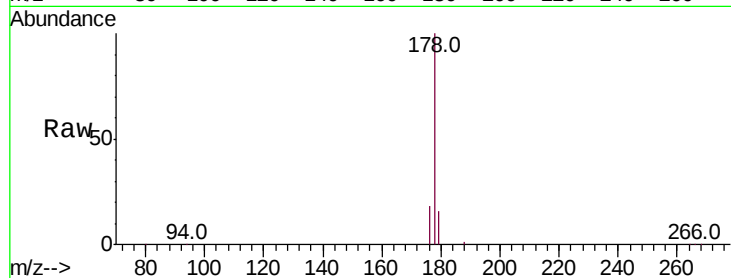




#12
Phenanthrene
Concen: 1.589 ng/ul
RT: 16.83 min Scan# 4524
Delta R.T. -0.00 min
Lab File: BM024985.D
Acq: 20 Feb 2020 18:52

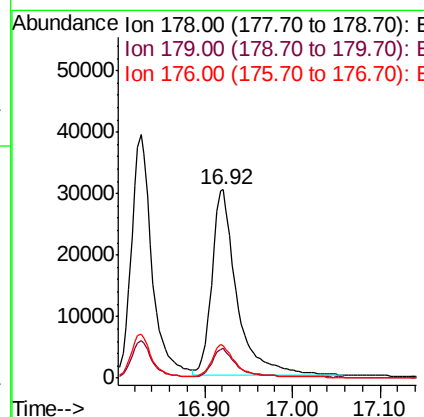
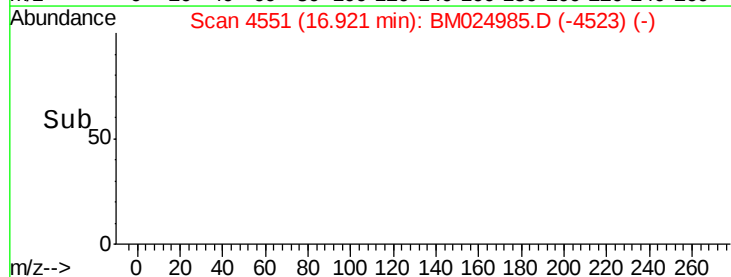
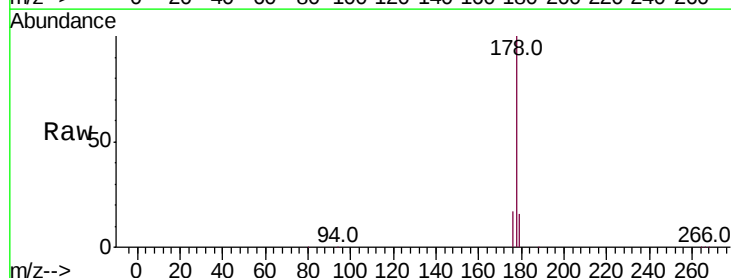
Instrument :
BNA_M
ClientSampled :

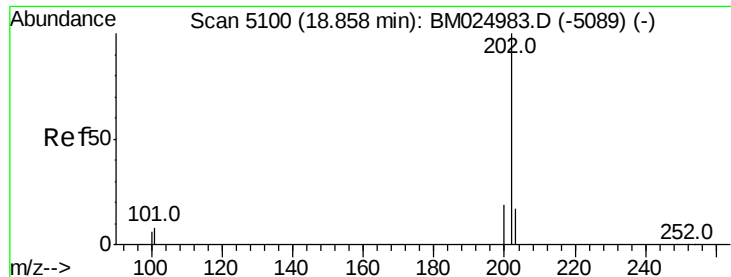
Tot Ion:178 Resp: 64458
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 18.2 15.1 22.7



#13
Anthracene
Concen: 1.697 ng/ul
RT: 16.92 min Scan# 4551
Delta R.T. -0.00 min
Lab File: BM024985.D
Acq: 20 Feb 2020 18:52

Tgt Ion:178 Resp: 59068
Ion Ratio Lower Upper
178 100
179 15.8 13.3 19.9
176 17.4 15.0 22.4





#15

Fluoranthene

Concen: 1.870 ng/ul

RT: 18.85 min Scan# 5099

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

Instrument :

BNA_M

ClientSampleId :

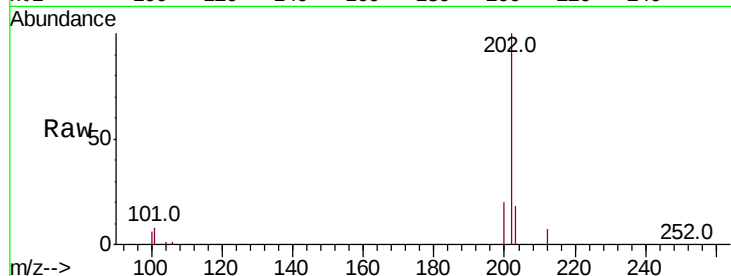
Tot Ion:202 Resp: 81888

Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.5

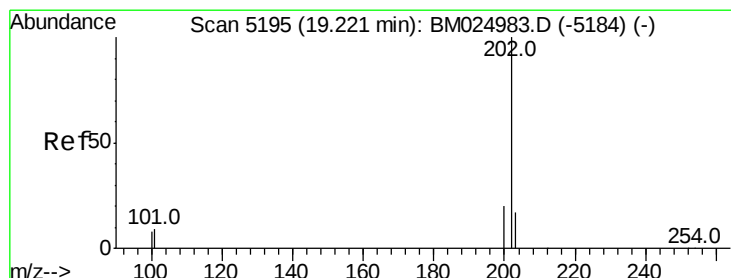
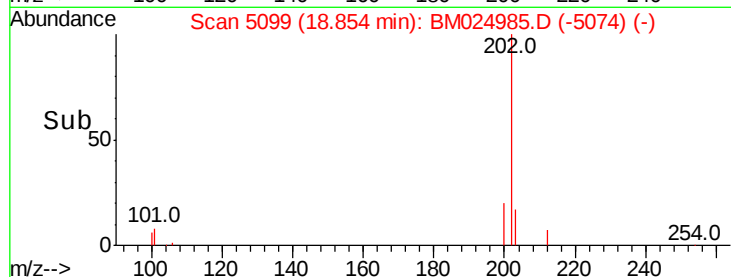
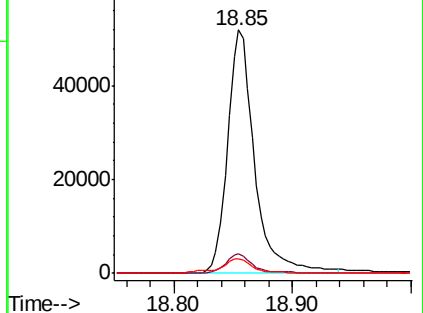
100 6.0 0.0 26.6



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



#17

Pyrene

Concen: 1.264 ng/ul

RT: 19.22 min Scan# 5195

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

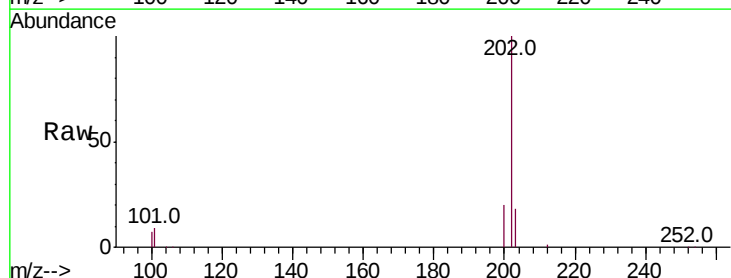
Tgt Ion:202 Resp: 83661

Ion Ratio Lower Upper

202 100

101 9.0 7.9 11.9

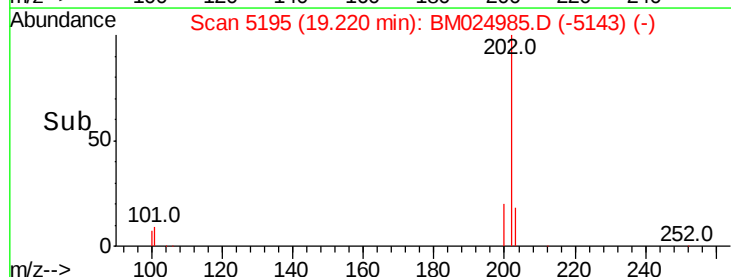
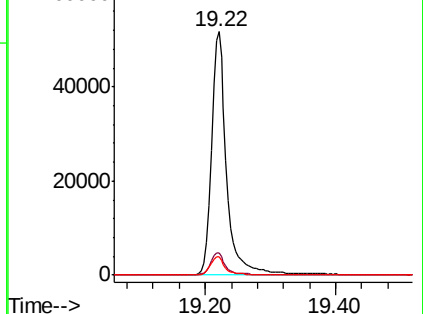
100 7.5 6.6 9.8

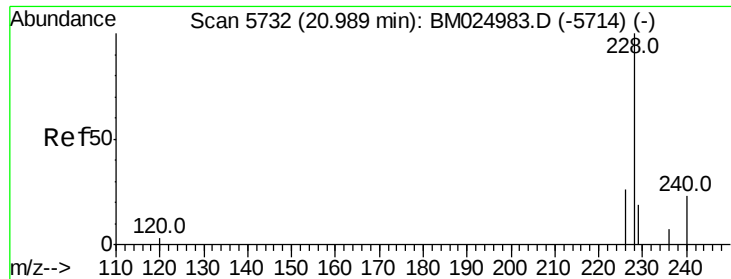


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.397 ng/ul

RT: 20.98 min Scan# 5730

Delta R.T. -0.01 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

Instrument :

BNA_M

ClientSampleId :

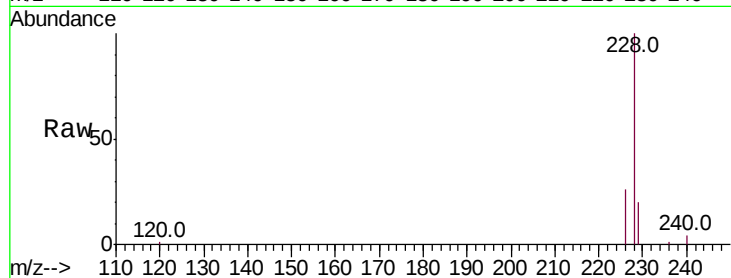
Tot Ion:228 Resp: 78058

Ion Ratio Lower Upper

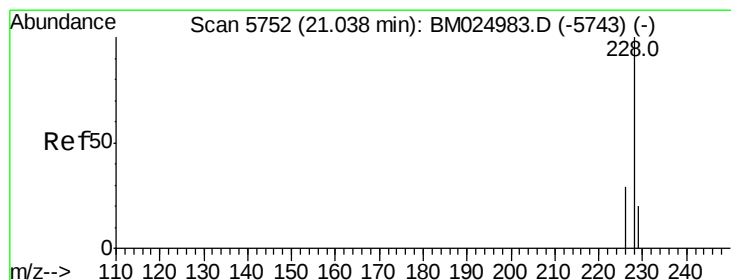
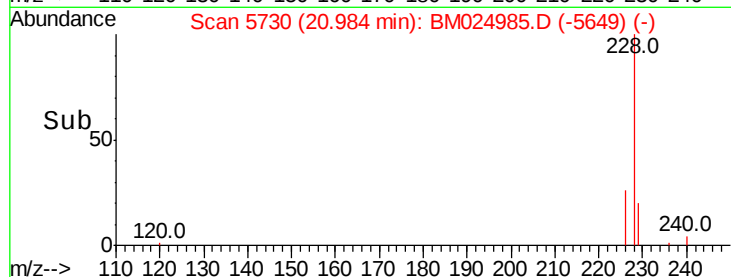
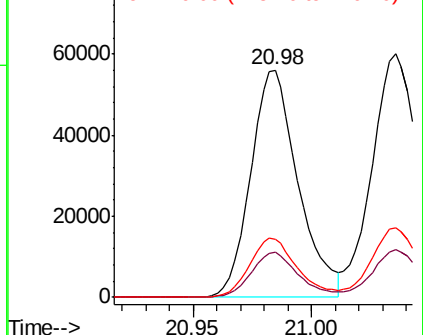
228 100

229 19.8 15.8 23.8

226 25.8 21.1 31.7



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



#19

Chrysene

Concen: 1.590 ng/ul

RT: 21.04 min Scan# 5751

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

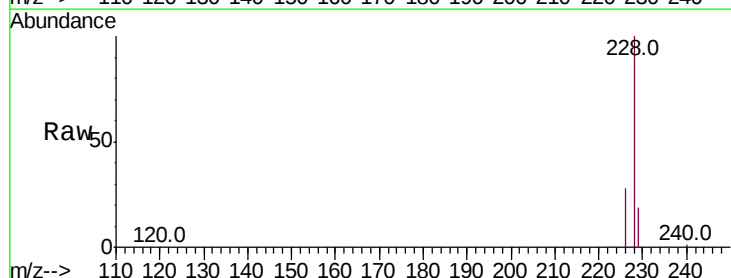
Tgt Ion:228 Resp: 93472

Ion Ratio Lower Upper

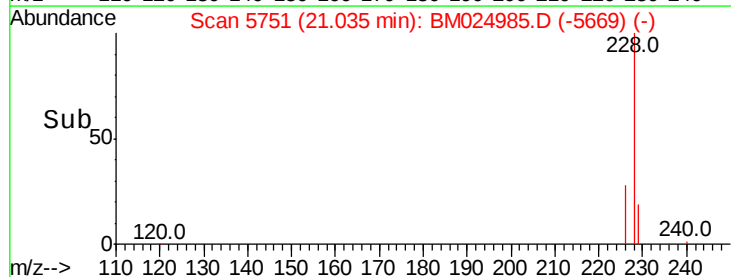
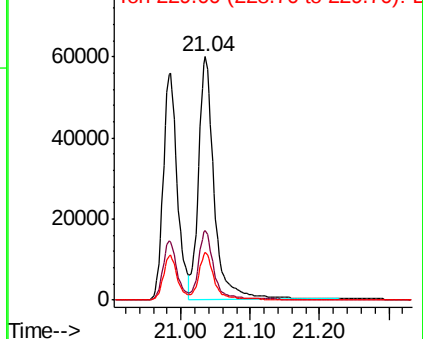
228 100

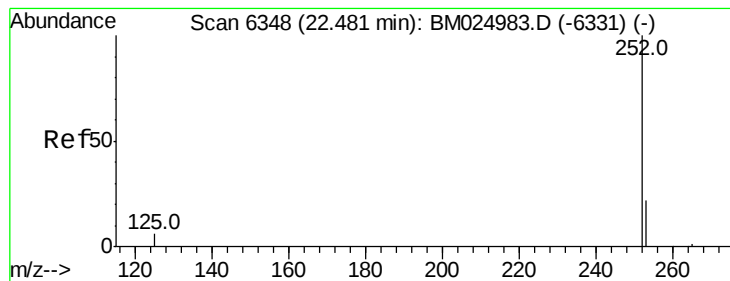
226 28.3 23.6 35.4

229 19.4 16.2 24.4



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





#21

Benzo(b)fluoranthene

Concen: 1.404 ng/u1

RT: 22.48 min Scan# 6346

Delta R.T. -0.01 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

Instrument :

BNA_M

ClientSampleId :

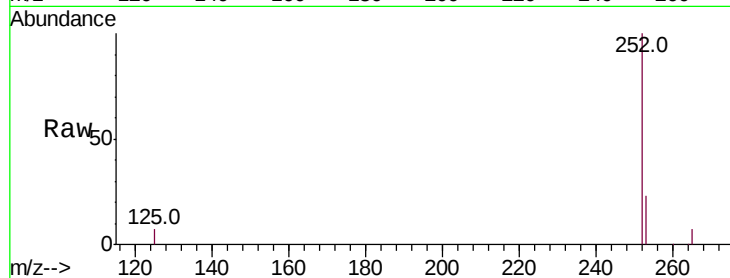
Tot Ion:252 Resp: 87435

Ion Ratio Lower Upper

252 100

253 22.7 0.0 52.6

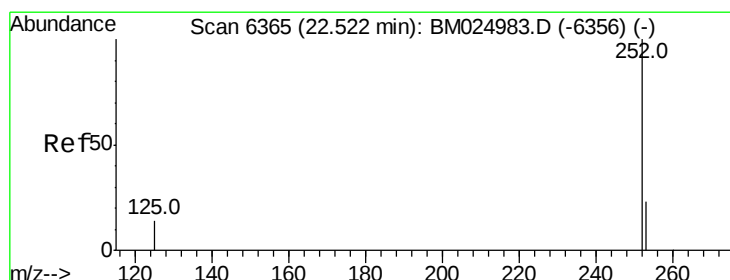
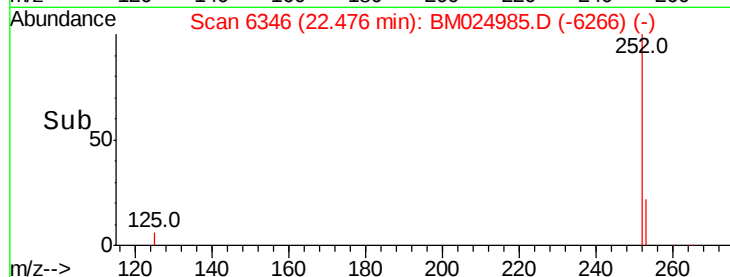
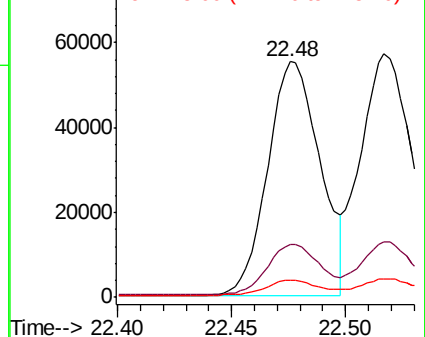
125 7.3 0.0 21.0



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



#22

Benzo(k)fluoranthene

Concen: 1.576 ng/u1

RT: 22.52 min Scan# 6363

Delta R.T. -0.01 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

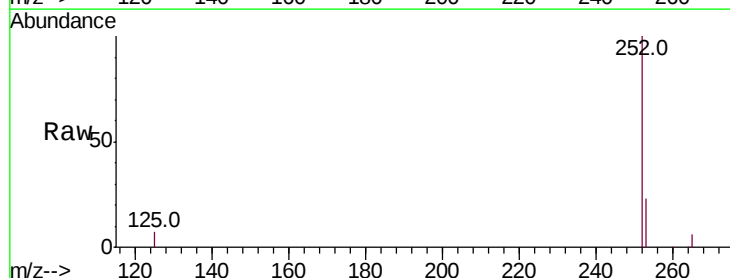
Tgt Ion:252 Resp: 100116

Ion Ratio Lower Upper

252 100

253 22.6 21.7 32.5

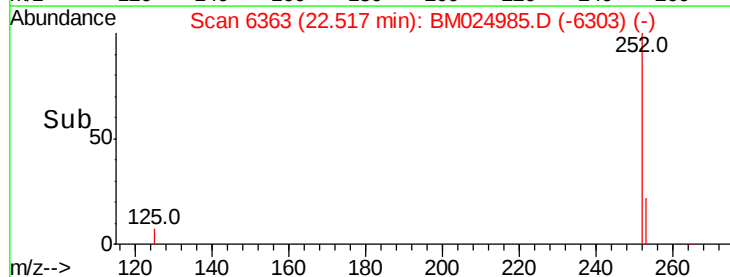
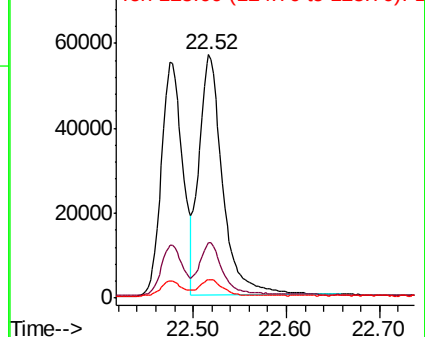
125 7.5 11.8 17.8#

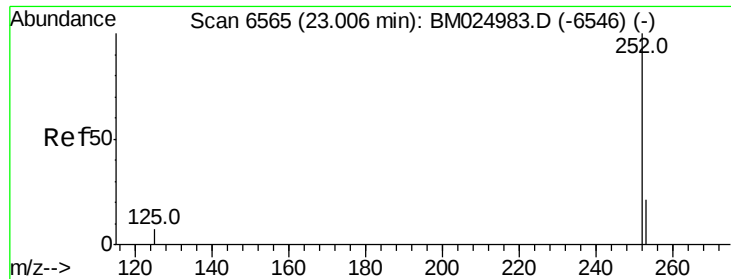


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.535 ng/ul

RT: 23.00 min Scan# 6563

Delta R.T. -0.01 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

Instrument :

BNA_M

ClientSampleId :

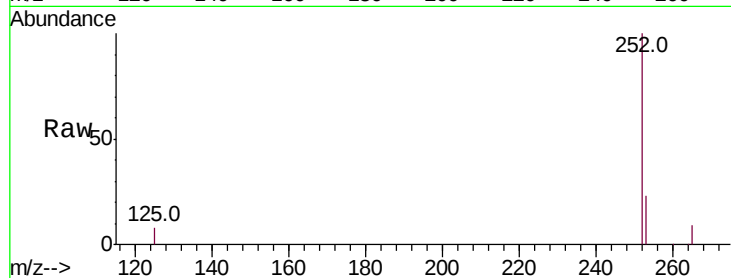
Tot Ion:252 Resp: 83647

Ion Ratio Lower Upper

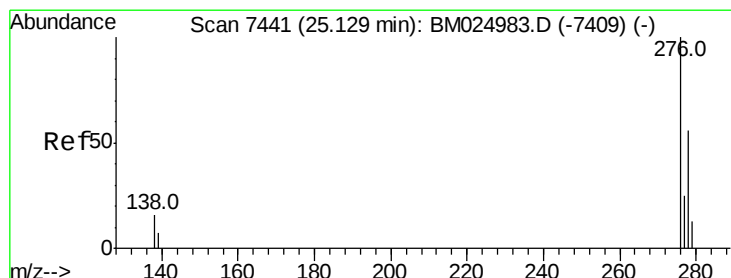
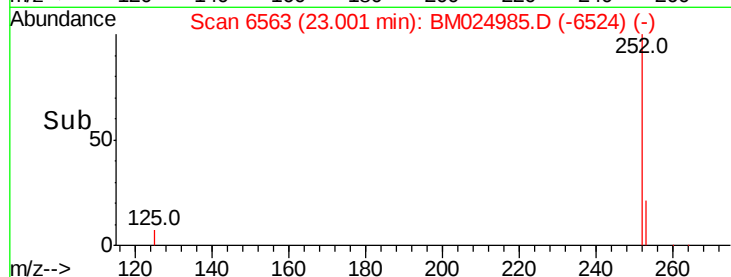
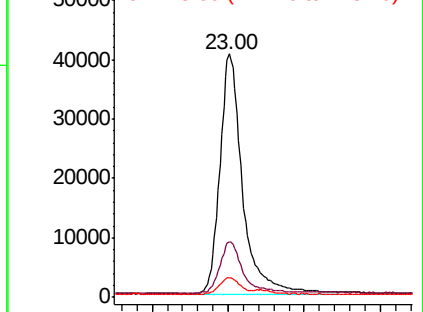
252 100

253 22.7 22.3 33.5

125 8.1 10.2 15.4#



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: 1.713 ng/ul

RT: 25.12 min Scan# 7439

Delta R.T. -0.00 min

Lab File: BM024985.D

Acq: 20 Feb 2020 18:52

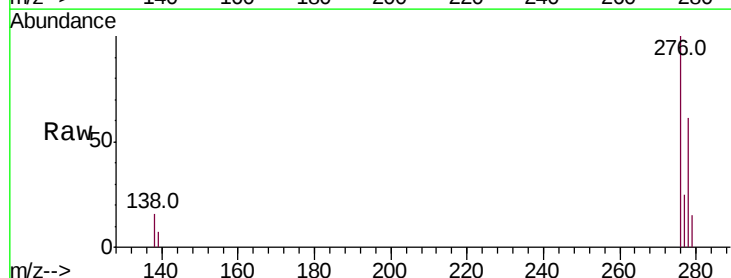
Tgt Ion:276 Resp: 113812

Ion Ratio Lower Upper

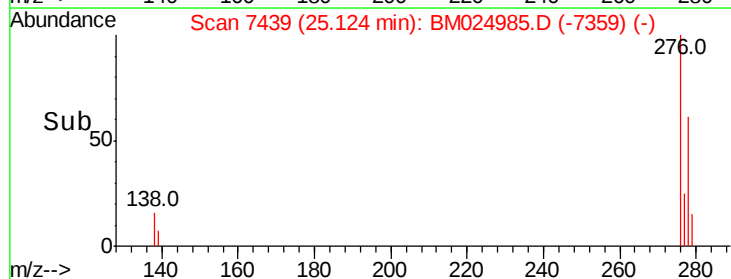
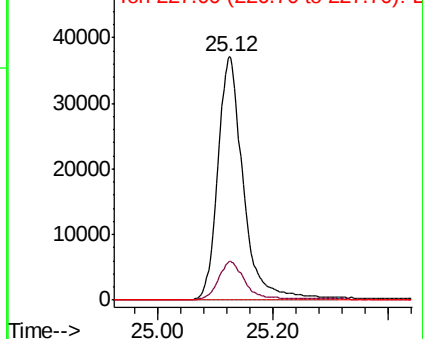
276 100

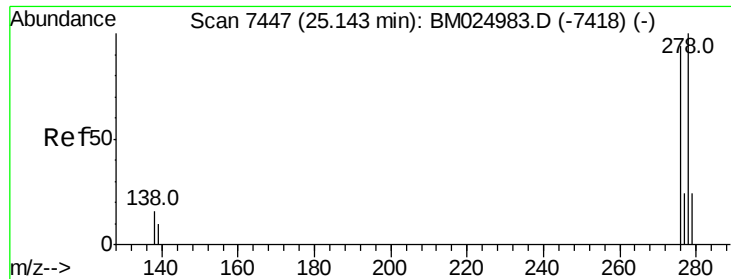
138 16.1 9.6 14.4#

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

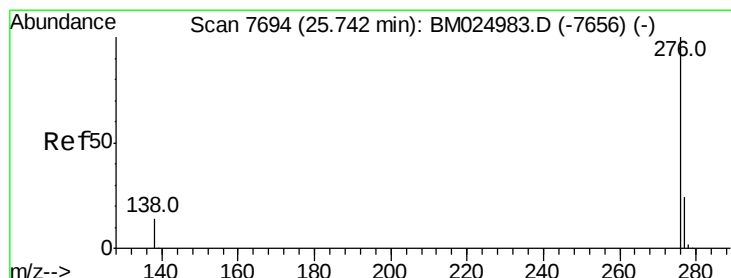
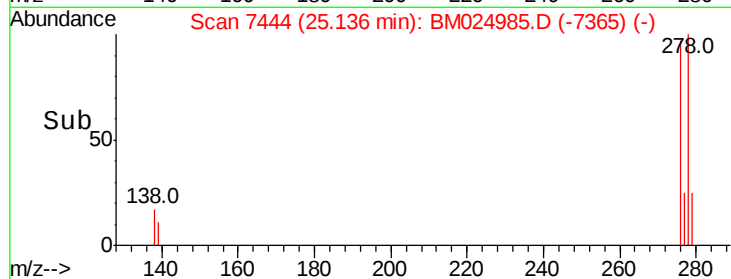
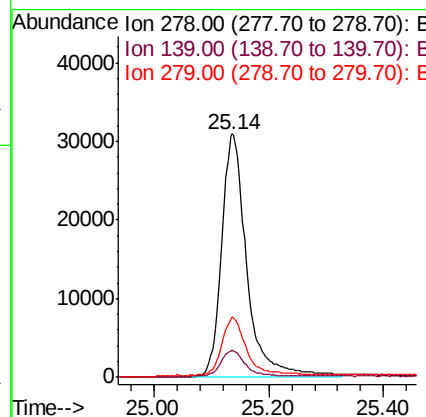
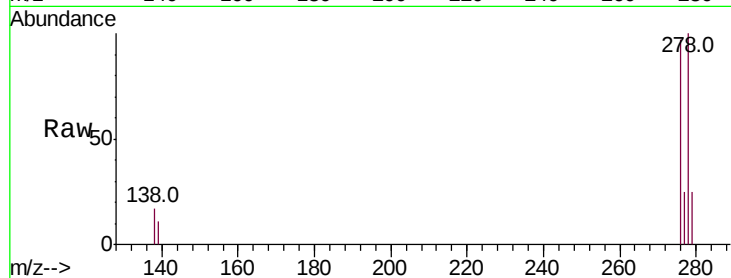




#25
Dibenzo(a,h)anthracene
Concen: 1.747 ng/ul
RT: 25.14 min Scan# 7444
Delta R.T. -0.01 min
Lab File: BM024985.D
Acq: 20 Feb 2020 18:52

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 93808
Ion Ratio Lower Upper
278 100
139 11.1 10.2 15.2
279 24.7 22.3 33.5



#26
Benzo(g,h,i)perylene
Concen: 1.887 ng/ul
RT: 25.73 min Scan# 7690
Delta R.T. -0.01 min
Lab File: BM024985.D
Acq: 20 Feb 2020 18:52

Tgt Ion:276 Resp: 99913
Ion Ratio Lower Upper
276 100
138 14.1 12.4 18.6
277 23.9 20.1 30.1

