

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022020\
 Data File : BM024983.D
 Acq On : 20 Feb 2020 17:40
 Operator : CG/JU
 Sample : SST00.478
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 21 01:41:08 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

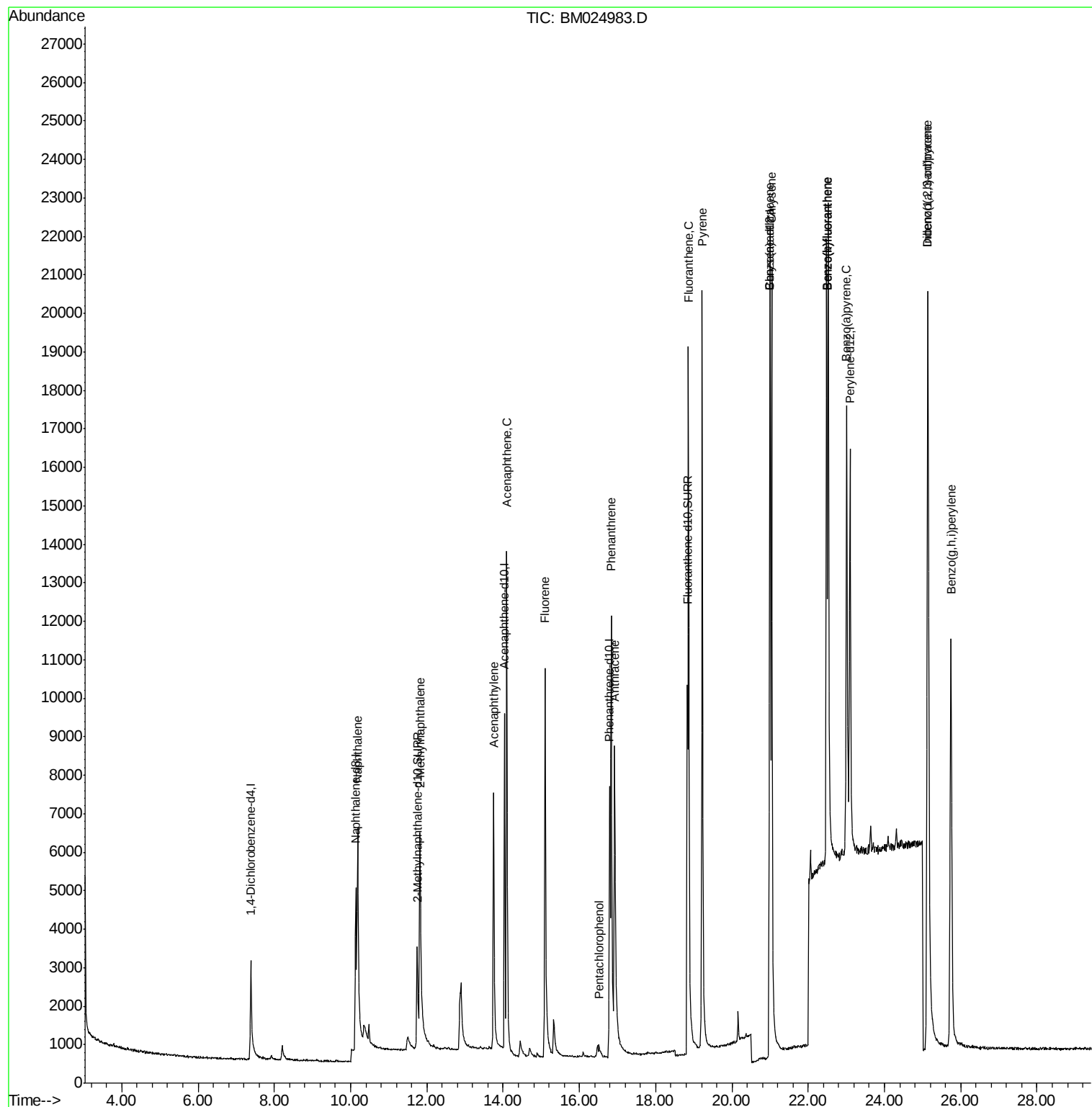
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	2364	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	10001	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	7098	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.79	188	13701	0.40	ng/ul	0.00
16) Chrysene-d12	21.00	240	14296	0.40	ng/ul	0.00
20) Perylene-d12	23.10	264	14501	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.74	152	6928	0.42	ng/ul	0.00
14) Fluoranthene-d10	18.83	212	16231	0.43	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.18	128	11472	0.403	ng/ul	100
5) 2-Methylnaphthalene	11.82	142	7644	0.391	ng/ul	100
7) Acenaphthylene	13.75	152	11795	0.359	ng/ul	100
8) Acenaphthene	14.09	153	9469	0.344	ng/ul	100
9) Fluorene	15.09	166	10153	0.322	ng/ul	100
11) Pentachlorophenol	16.51	266	1812	0.652	ng/ul	99
12) Phenanthrene	16.83	178	15787	0.362	ng/ul	100
13) Anthracene	16.92	178	14083	0.376	ng/ul	100
15) Fluoranthene	18.86	202	20475	0.435	ng/ul	100
17) Pyrene	19.22	202	21887	0.338	ng/ul	100
18) Benzo(a)anthracene	20.99	228	18469	0.338	ng/ul	100
19) Chrysene	21.04	228	24582	0.427	ng/ul	100
21) Benzo(b)fluoranthene	22.48	252	21333	0.339	ng/ul	100
22) Benzo(k)fluoranthene	22.52	252	25946	0.404	ng/ul	100
23) Benzo(a)pyrene	23.01	252	21131	0.383	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.13	276	28768	0.428	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.14	278	23127	0.426	ng/ul	100
26) Benzo(g,h,i)perylene	25.74	276	25318	0.473	ng/ul	100

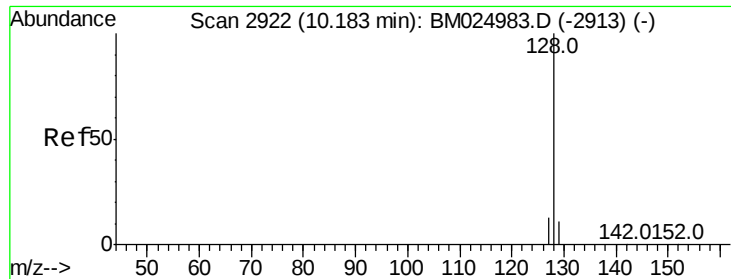
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.403 ng/ul

RT: 10.18 min Scan# 2922

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

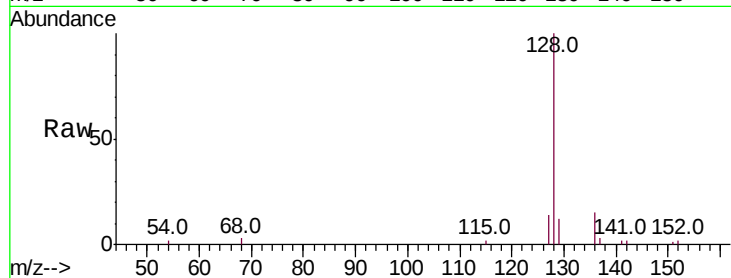
Tot Ion:128 Resp: 11472

Ion Ratio Lower Upper

128 100

129 12.2 9.8 14.6

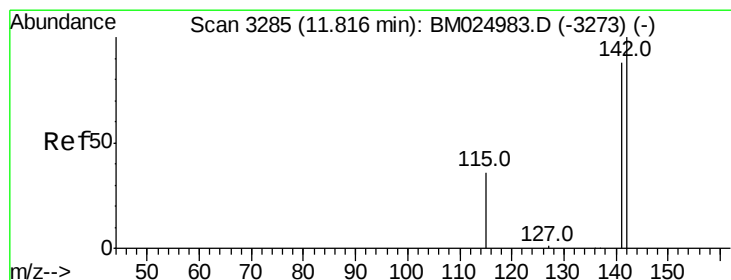
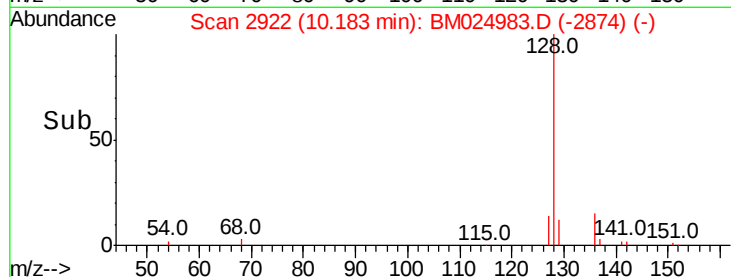
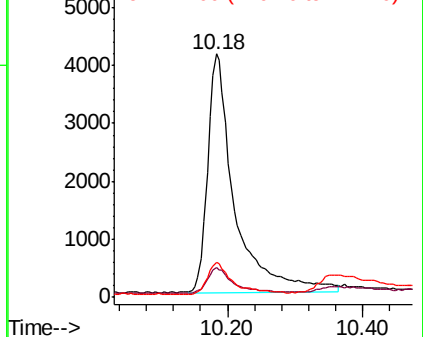
127 14.4 11.5 17.3



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: 0.391 ng/ul

RT: 11.82 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BM024983.D

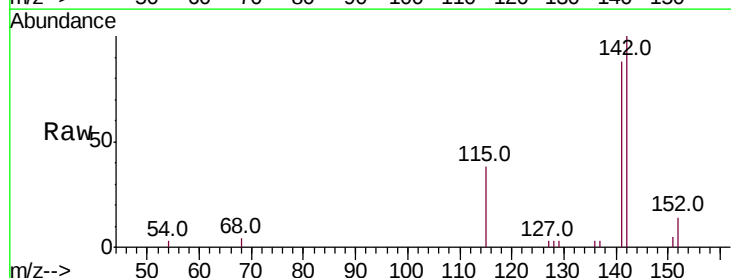
Acq: 20 Feb 2020 17:40

Tgt Ion:142 Resp: 7644

Ion Ratio Lower Upper

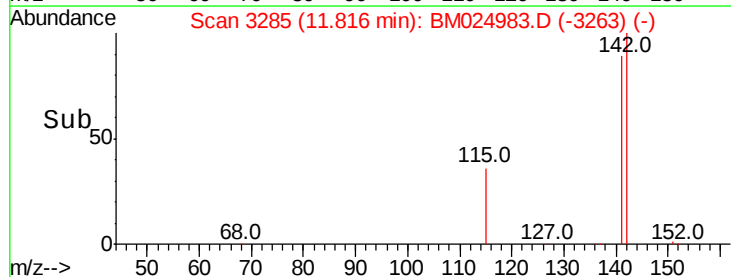
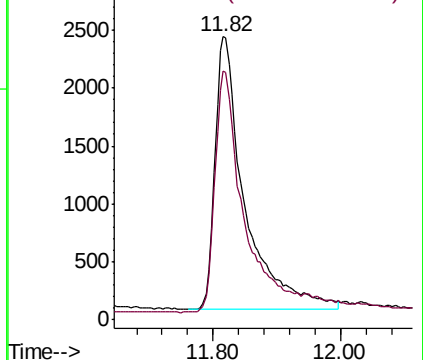
142 100

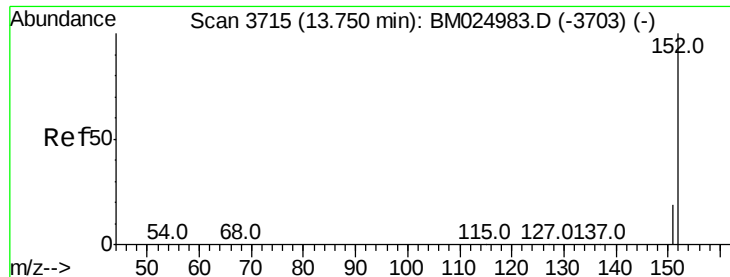
141 90.5 72.2 108.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.359 ng/ul

RT: 13.75 min Scan# 3715

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

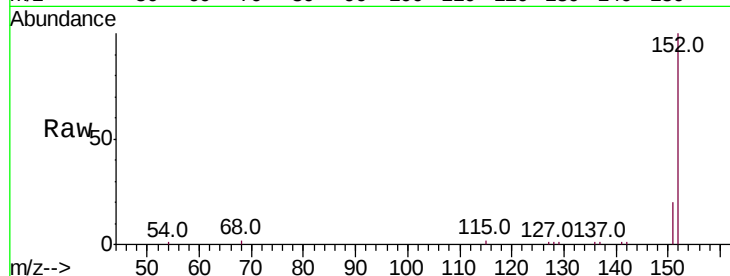
Tot Ion:152 Resp: 11795

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

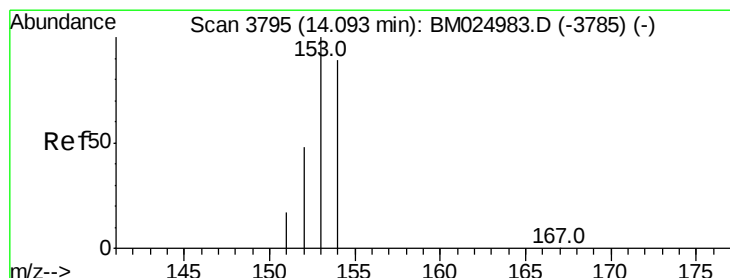
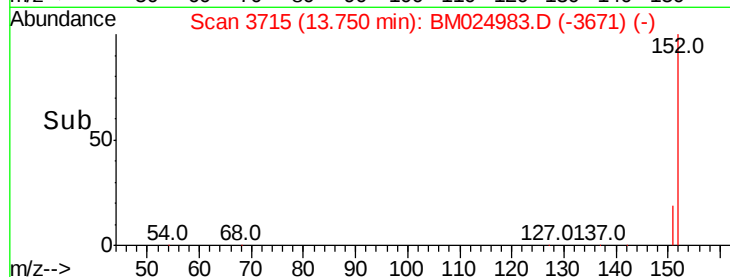
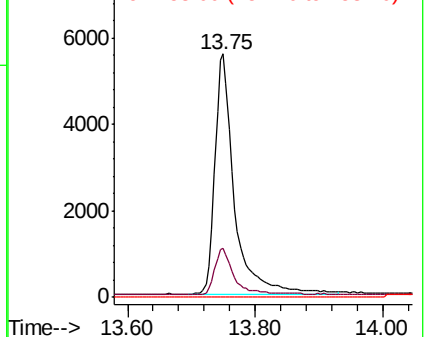
153 0.0 0.0 0.0



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: 0.344 ng/ul

RT: 14.09 min Scan# 3795

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

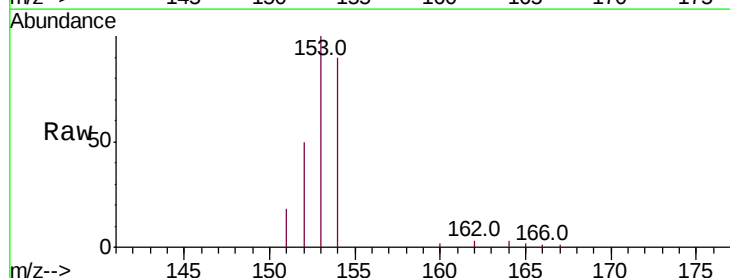
Tgt Ion:153 Resp: 9469

Ion Ratio Lower Upper

153 100

152 49.7 39.8 59.6

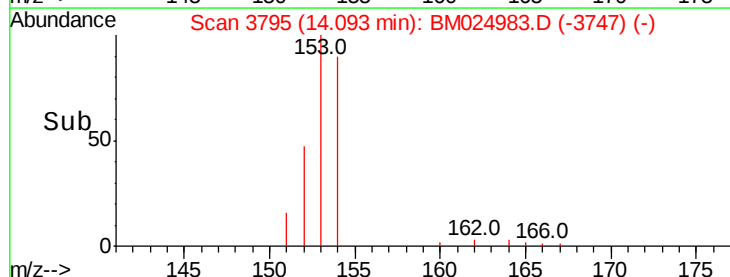
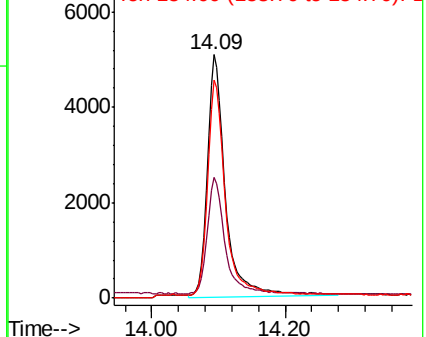
154 89.7 71.8 107.6

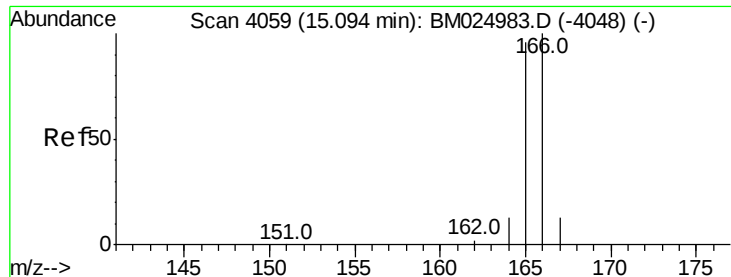


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.322 ng/ul

RT: 15.09 min Scan# 4059

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

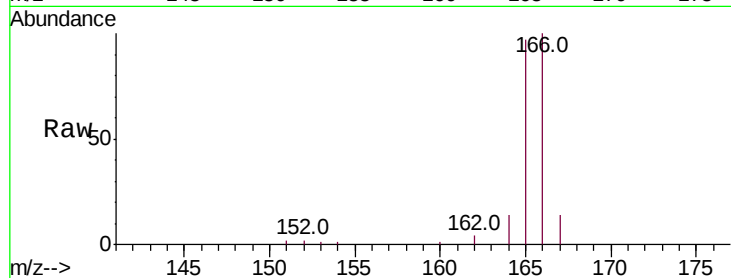
Tot Ion:166 Resp: 10153

Ion Ratio Lower Upper

166 100

165 96.9 77.5 116.3

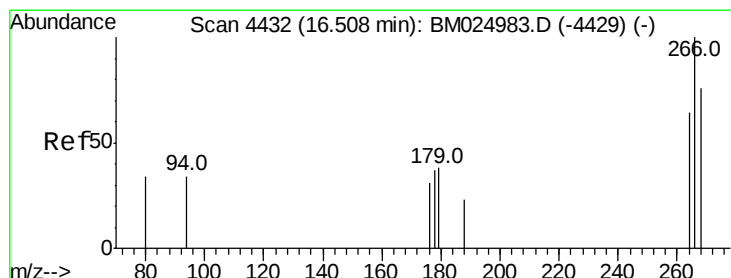
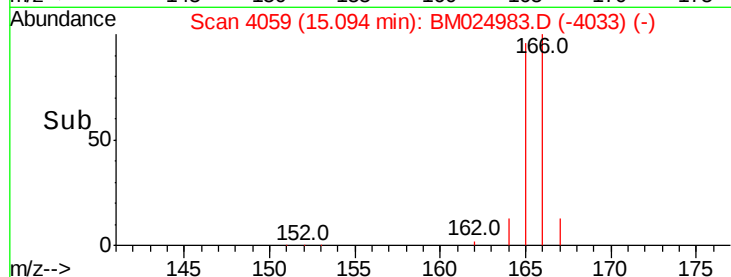
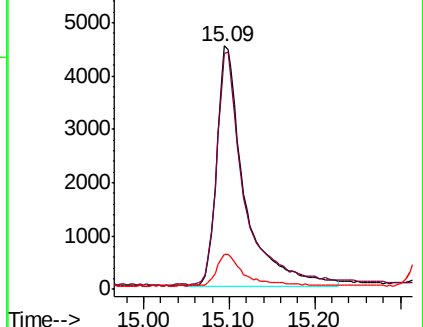
167 14.4 11.5 17.3



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: 0.652 ng/ul

RT: 16.51 min Scan# 4432

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

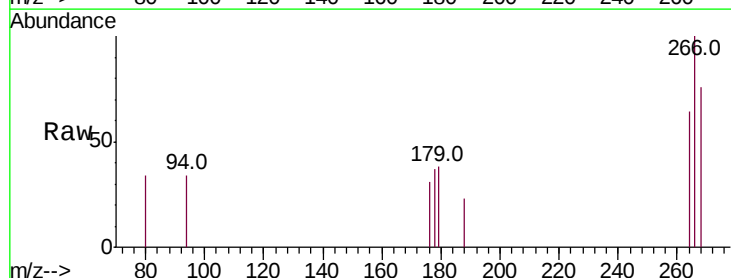
Tgt Ion:266 Resp: 1812

Ion Ratio Lower Upper

266 100

264 71.2 56.9 85.3

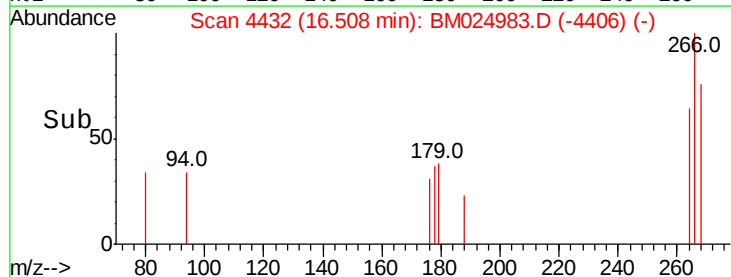
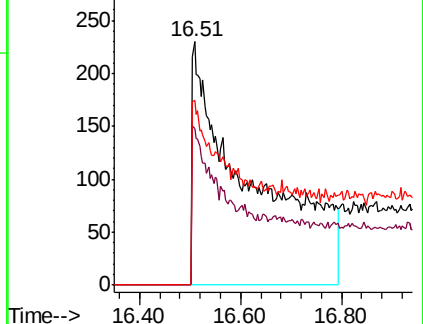
268 97.8 77.6 116.4

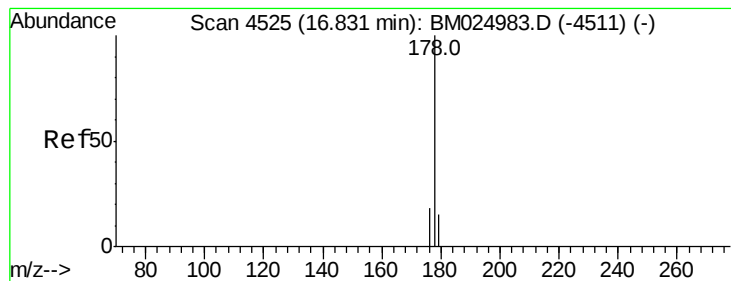


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

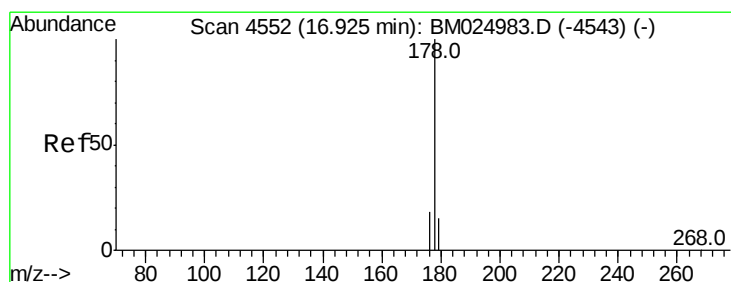
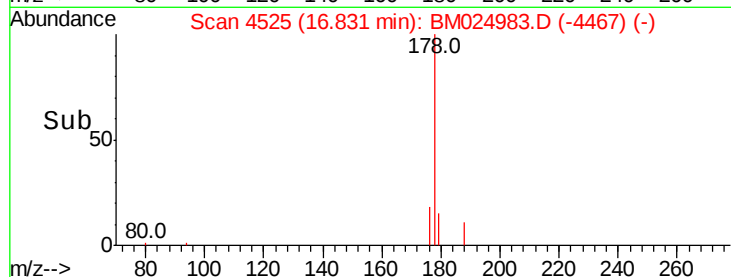
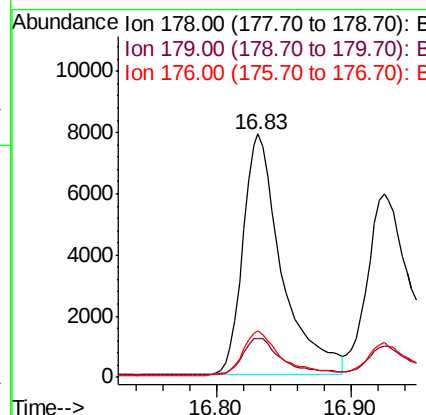
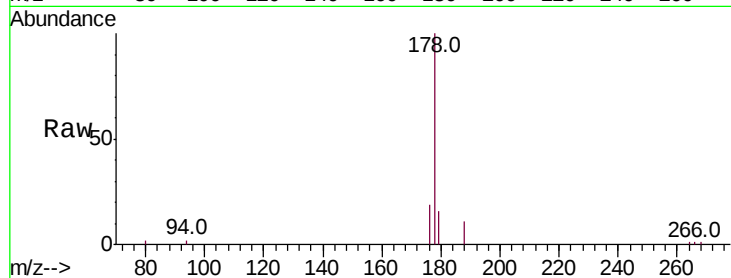




#12
Phenanthrene
Concen: 0.362 ng/ul
RT: 16.83 min Scan# 4525
Delta R.T. 0.00 min
Lab File: BM024983.D
Acq: 20 Feb 2020 17:40

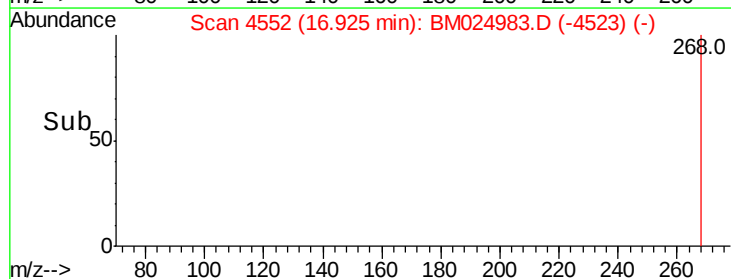
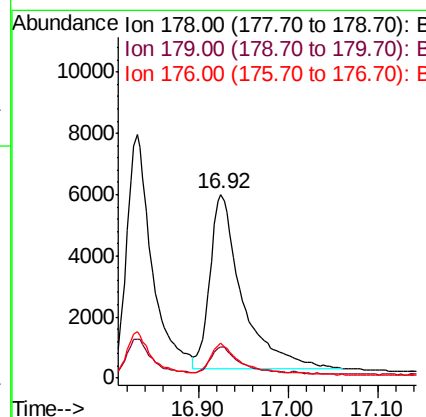
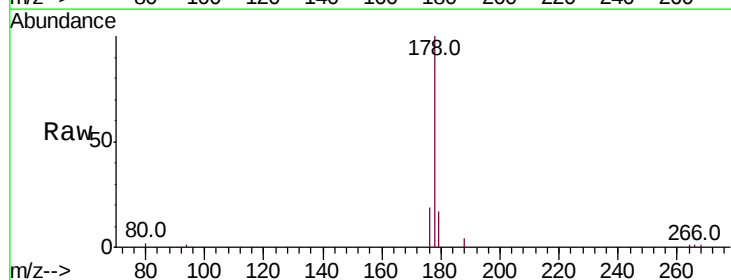
Instrument :
BNA_M
ClientSampleId :

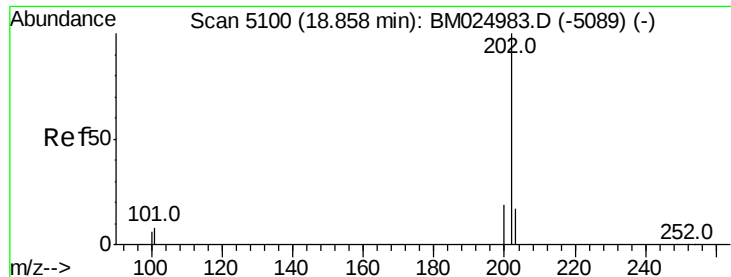
Tot Ion:178 Resp: 15787
Ion Ratio Lower Upper
178 100
179 16.0 12.8 19.2
176 18.9 15.1 22.7



#13
Anthracene
Concen: 0.376 ng/ul
RT: 16.92 min Scan# 4552
Delta R.T. 0.00 min
Lab File: BM024983.D
Acq: 20 Feb 2020 17:40

Tgt Ion:178 Resp: 14083
Ion Ratio Lower Upper
178 100
179 16.6 13.3 19.9
176 18.7 15.0 22.4

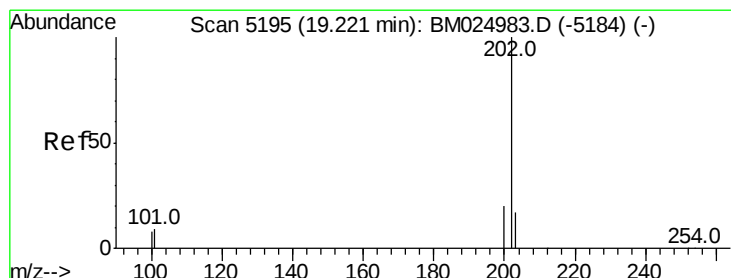
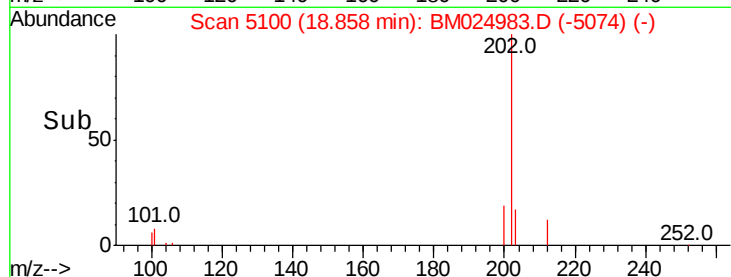
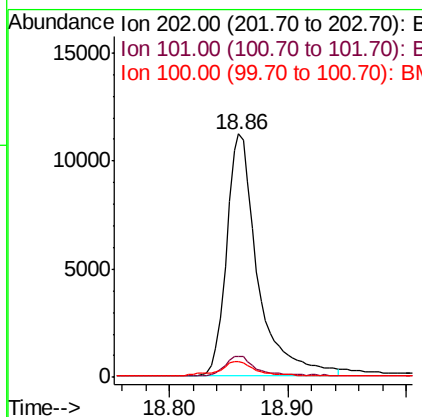
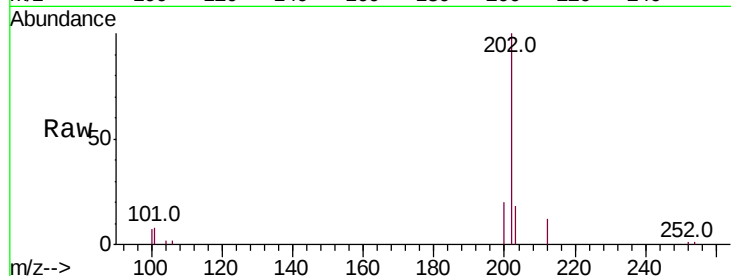




#15
Fluoranthene
 Concen: 0.435 ng/ul
 RT: 18.86 min Scan# 5100
 Delta R.T. 0.00 min
 Lab File: BM024983.D
 Acq: 20 Feb 2020 17:40

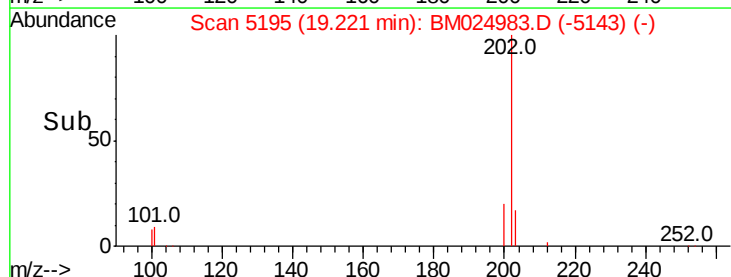
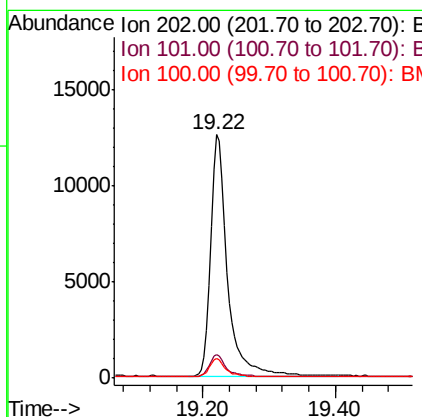
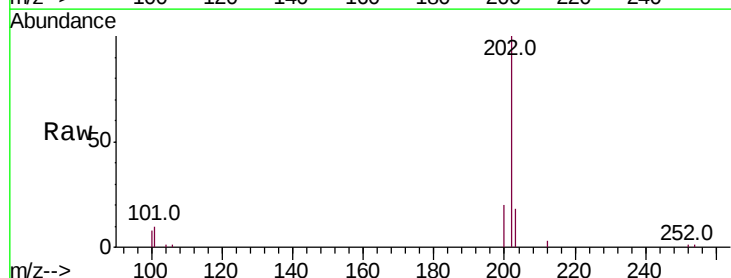
Instrument :
 BNA_M
 ClientSampleId :

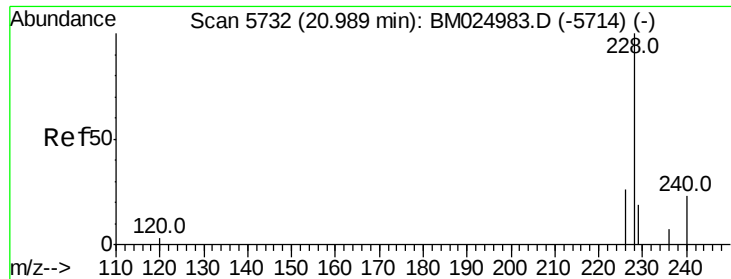
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.5
100	6.6	0.0	26.6



#17
Pyrene
 Concen: 0.338 ng/ul
 RT: 19.22 min Scan# 5195
 Delta R.T. 0.00 min
 Lab File: BM024983.D
 Acq: 20 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.9	11.9
100	8.2	6.6	9.8





#18

Benzo(a)anthracene

Concen: 0.338 ng/ul

RT: 20.99 min Scan# 5732

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

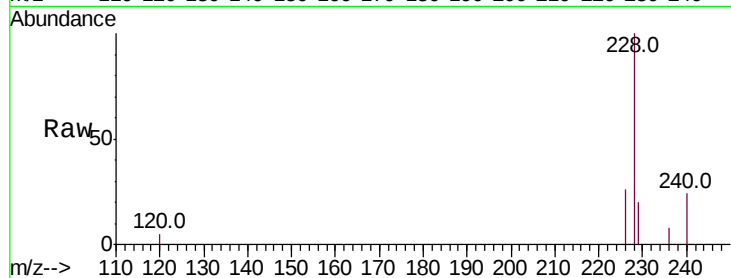
Tot Ion:228 Resp: 18469

Ion Ratio Lower Upper

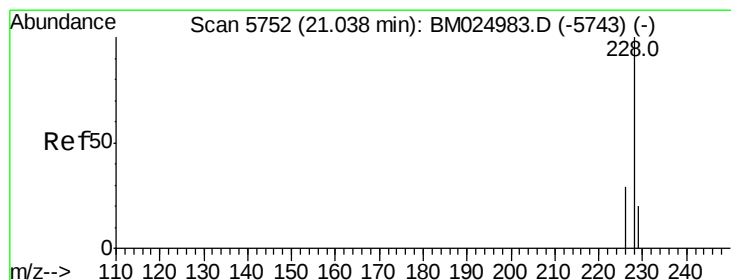
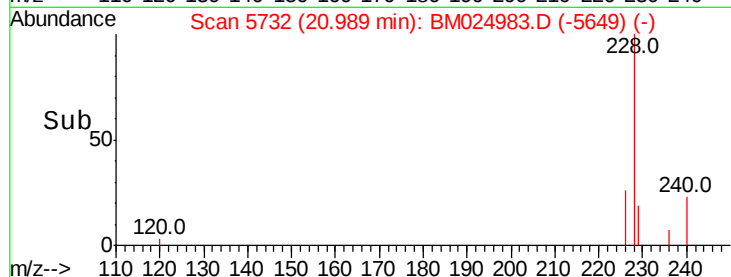
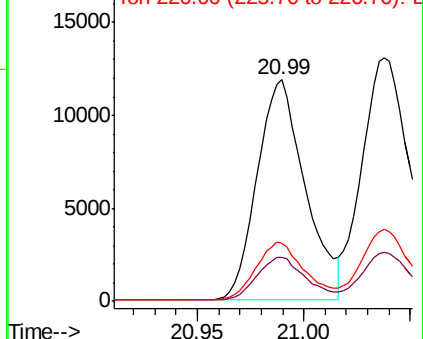
228 100

229 19.8 15.8 23.8

226 26.4 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: 0.427 ng/ul

RT: 21.04 min Scan# 5752

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

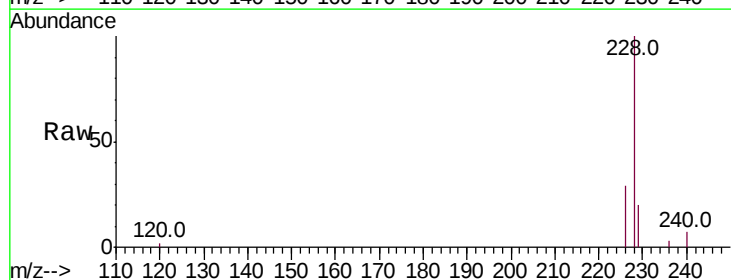
Tgt Ion:228 Resp: 24582

Ion Ratio Lower Upper

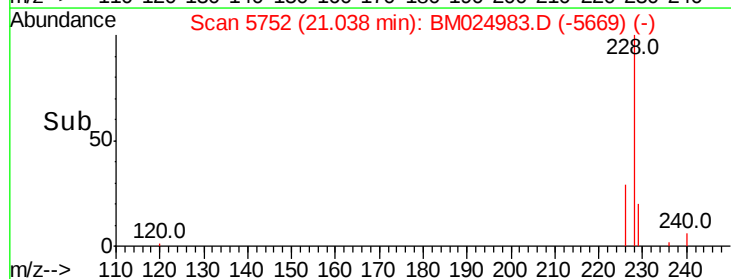
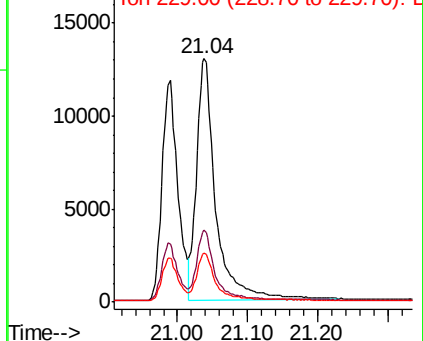
228 100

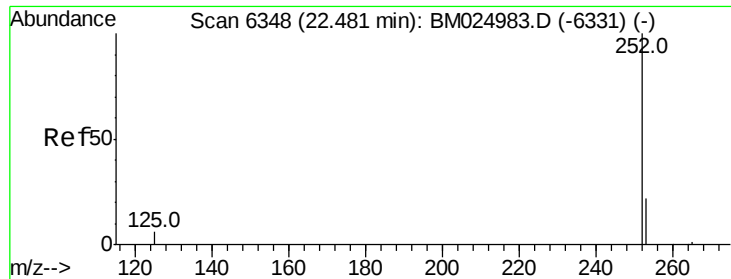
226 29.5 23.6 35.4

229 20.3 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

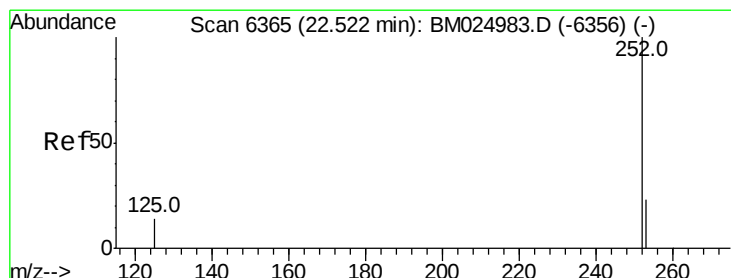
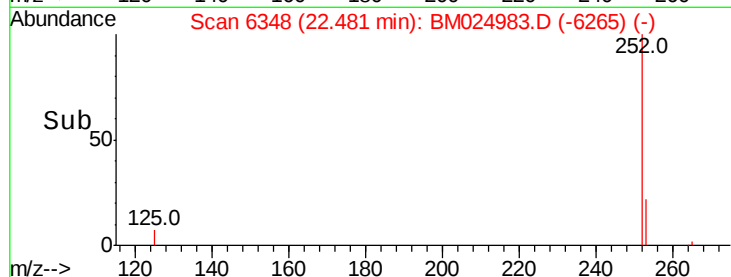
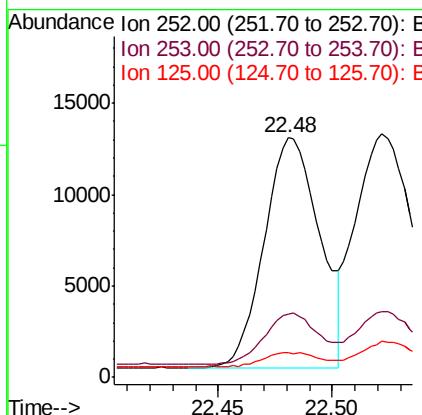
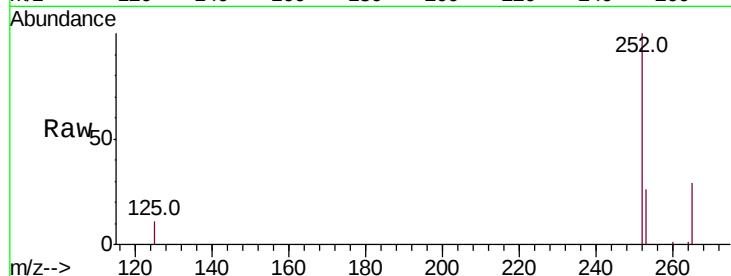




#21
Benzo(b)fluoranthene
Concen: 0.339 ng/ul
RT: 22.48 min Scan# 6348
Delta R.T. 0.00 min
Lab File: BM024983.D
Acq: 20 Feb 2020 17:40

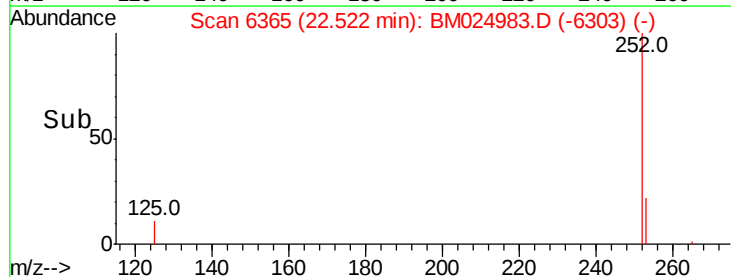
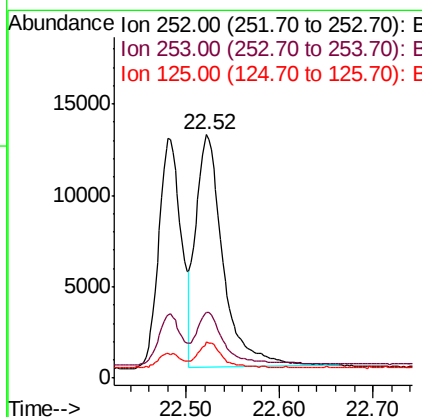
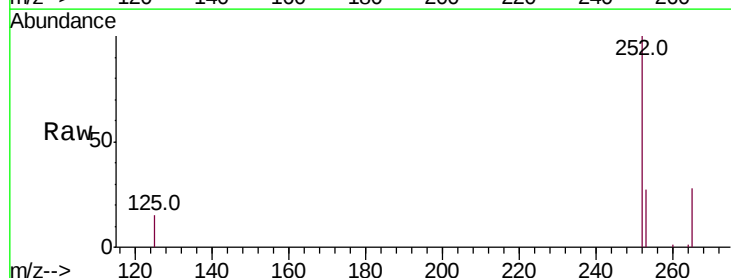
Instrument :
BNA_M
ClientSampleId :

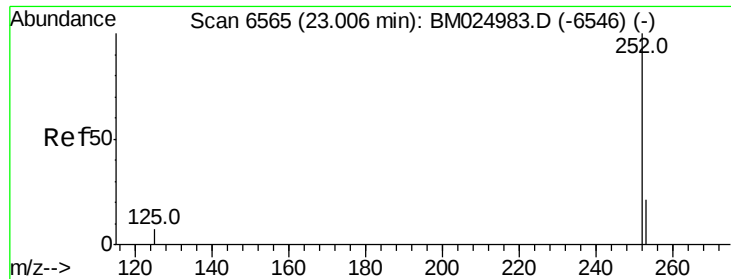
Tot Ion:252 Resp: 21333
Ion Ratio Lower Upper
252 100
253 26.3 0.0 52.6
125 10.5 0.0 21.0



#22
Benzo(k)fluoranthene
Concen: 0.404 ng/ul
RT: 22.52 min Scan# 6365
Delta R.T. 0.00 min
Lab File: BM024983.D
Acq: 20 Feb 2020 17:40

Tgt Ion:252 Resp: 25946
Ion Ratio Lower Upper
252 100
253 27.1 21.7 32.5
125 14.8 11.8 17.8





#23

Benzo(a)pyrene

Concen: 0.383 ng/ul

RT: 23.01 min Scan# 6565

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

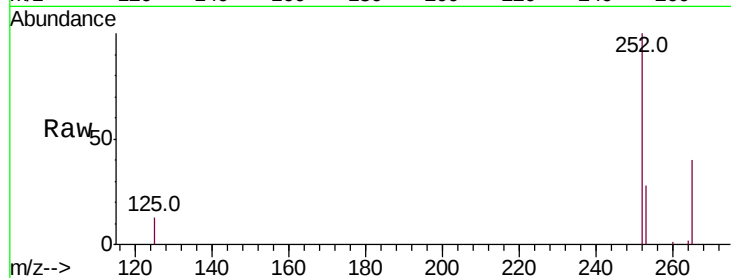
Tot Ion:252 Resp: 21131

Ion Ratio Lower Upper

252 100

253 27.9 22.3 33.5

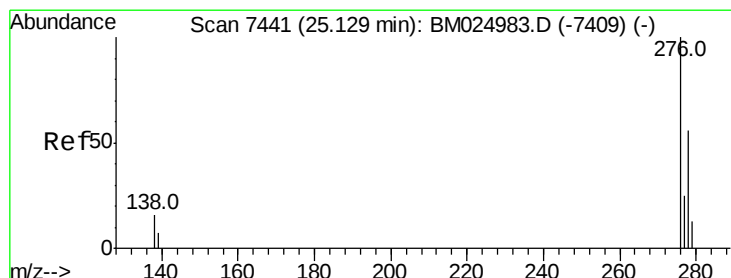
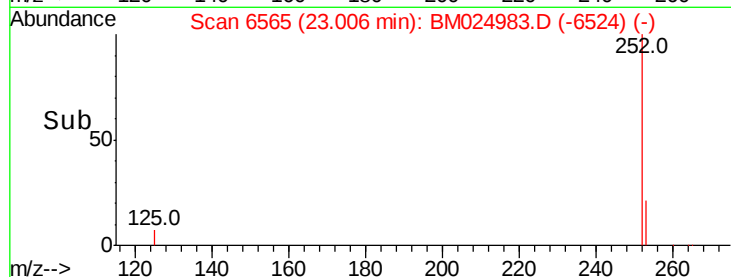
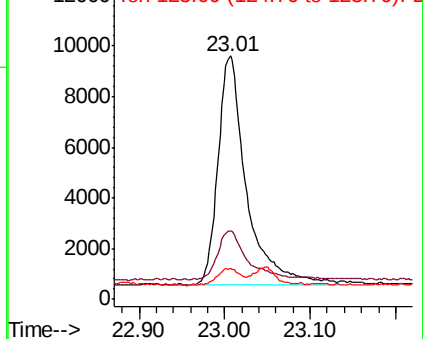
125 12.8 10.2 15.4



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: 0.428 ng/ul

RT: 25.13 min Scan# 7441

Delta R.T. 0.00 min

Lab File: BM024983.D

Acq: 20 Feb 2020 17:40

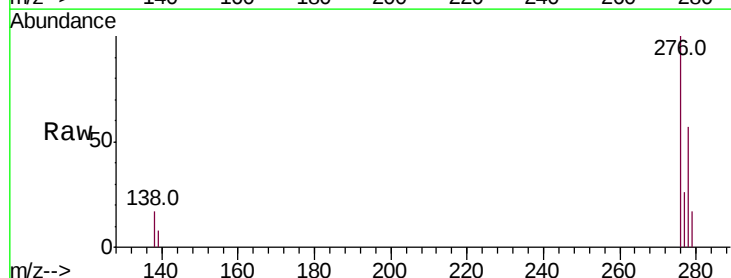
Tgt Ion:276 Resp: 28768

Ion Ratio Lower Upper

276 100

138 15.2 9.6 14.4#

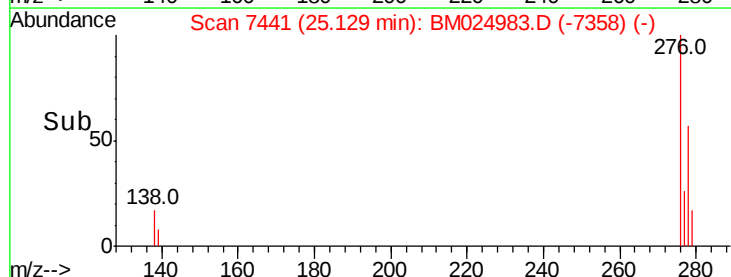
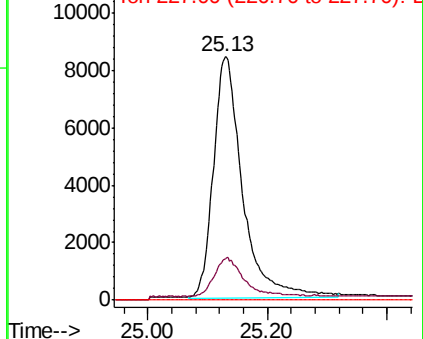
227 0.0 0.0 0.0

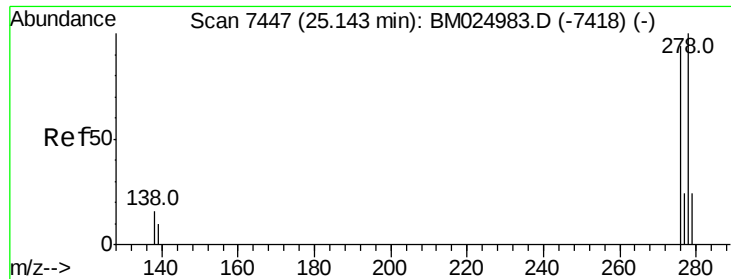


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

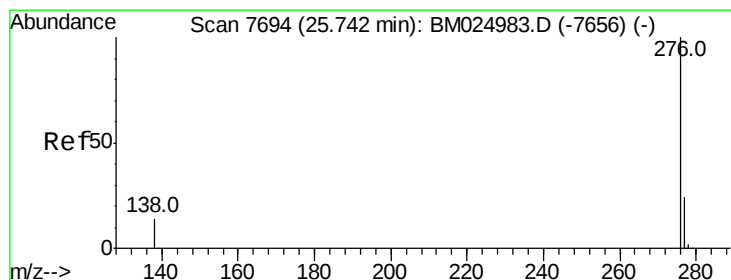
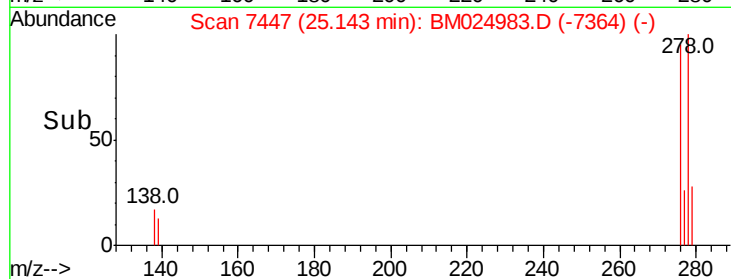
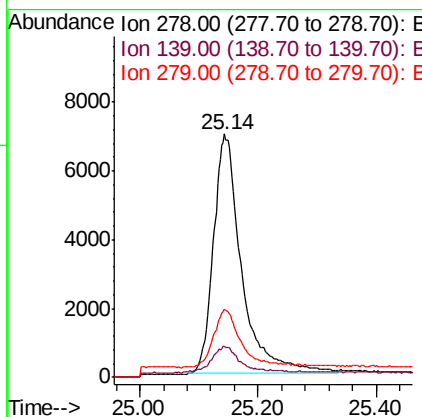
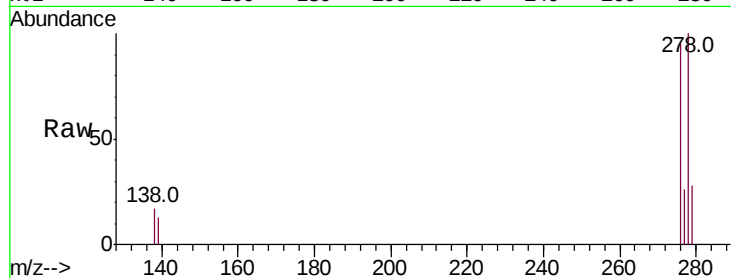




#25
Dibenzo(a,h)anthracene
Concen: 0.426 ng/ul
RT: 25.14 min Scan# 7447
Delta R.T. 0.00 min
Lab File: BM024983.D
Acq: 20 Feb 2020 17:40

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 23127
Ion Ratio Lower Upper
278 100
139 12.7 10.2 15.2
279 27.9 22.3 33.5



#26
Benzo(g,h,i)perylene
Concen: 0.473 ng/ul
RT: 25.74 min Scan# 7694
Delta R.T. 0.00 min
Lab File: BM024983.D
Acq: 20 Feb 2020 17:40

Tgt Ion:276 Resp: 25318
Ion Ratio Lower Upper
276 100
138 15.5 12.4 18.6
277 25.1 20.1 30.1

