

Data File : BM025565.D
Acq On : 14 Mar 2020 06:14
Operator : CG/JU
Sample : SSTDC00.4EC
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.443

Quant Time: Mar 16 06:49:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 06:44:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3673	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15830	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10184	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	20630	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	14505	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	15201	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	10949	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	21291	0.38	ng/ul	0.00

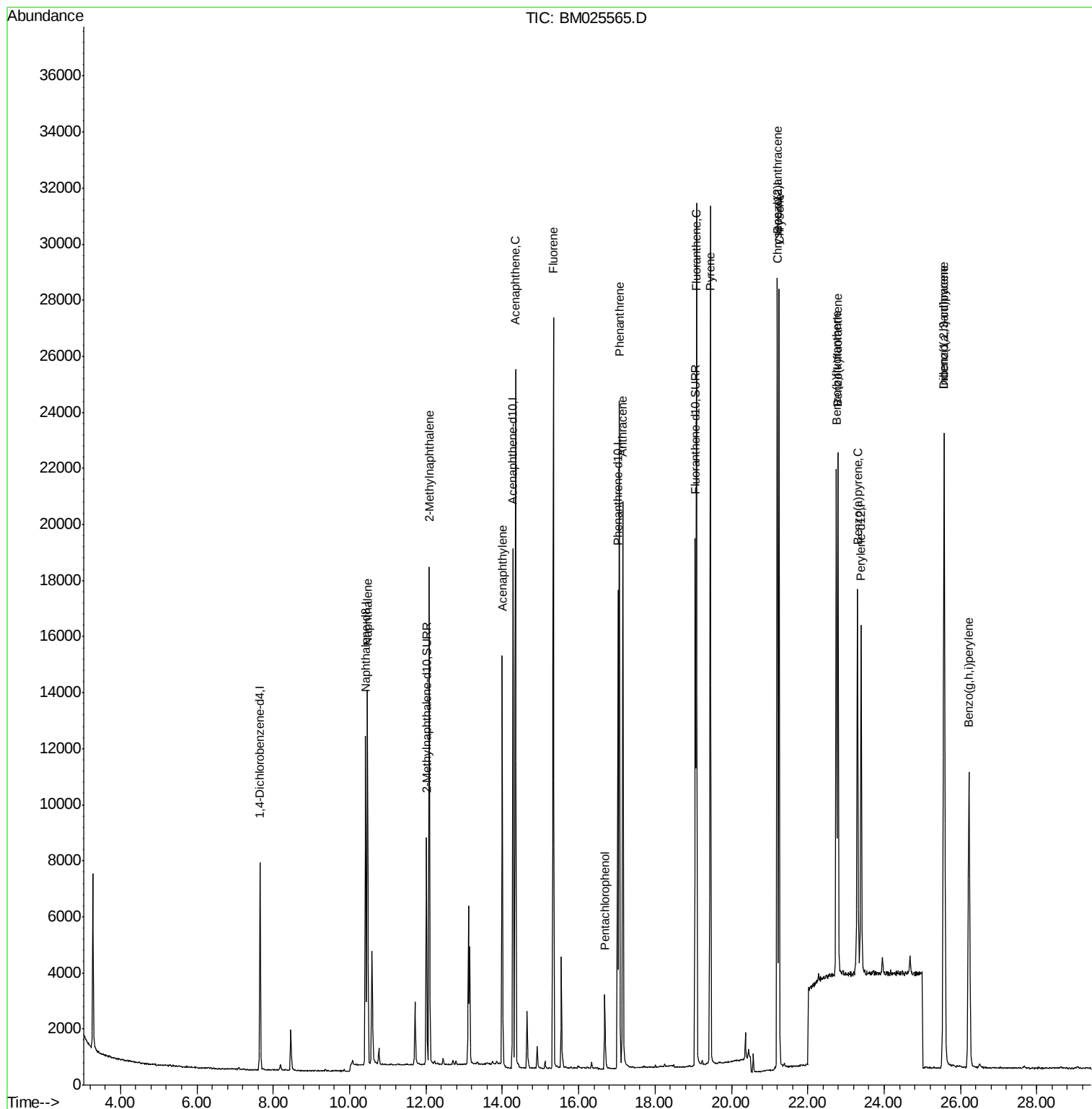
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	17779	0.379	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	12786	0.382	ng/ul	100
7) Acenaphthylene	14.00	152	15341	0.369	ng/ul#	87
8) Acenaphthene	14.34	153	14070	0.386	ng/ul	99
9) Fluorene	15.33	166	16543	0.372	ng/ul	100
11) Pentachlorophenol	16.68	266	1978	0.409	ng/ul	98
12) Phenanthrene	17.06	178	25318	0.387	ng/ul	100
13) Anthracene	17.16	178	22451	0.395	ng/ul	99
15) Fluoranthene	19.08	202	26488	0.374	ng/ul	96
17) Pyrene	19.45	202	25697	0.395	ng/ul	96
18) Benzo(a)anthracene	21.20	228	21774	0.420	ng/ul	100
19) Chrysene	21.25	228	22815	0.392	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	22155	0.368	ng/ul	98
22) Benzo(k)fluoranthene	22.79	252	23025	0.365	ng/ul	98
23) Benzo(a)pyrene	23.30	252	20186	0.404	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.56	276	26008	0.384	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.58	278	21620	0.379	ng/ul	98
26) Benzo(g,h,i)perylene	26.22	276	22257	0.378	ng/ul	97

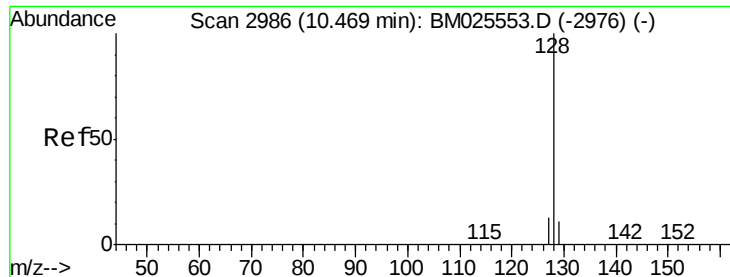
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.379 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM0255565.D

Acq: 14 Mar 2020 06:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

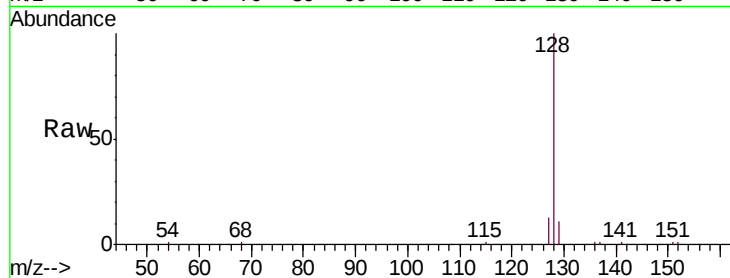
Tgt Ion:128 Resp: 17779

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

127 13.3 10.9 16.3

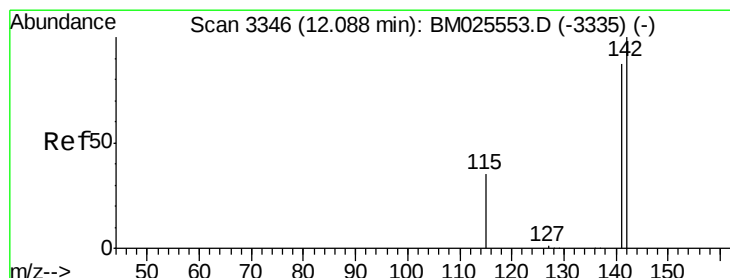
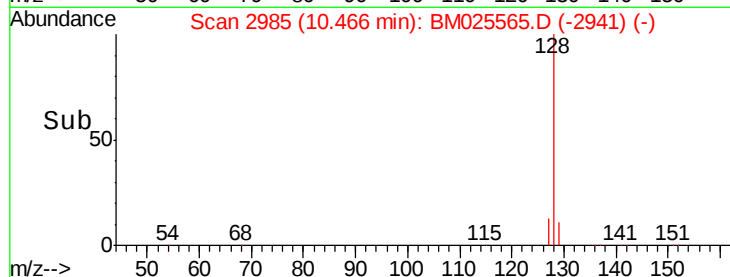
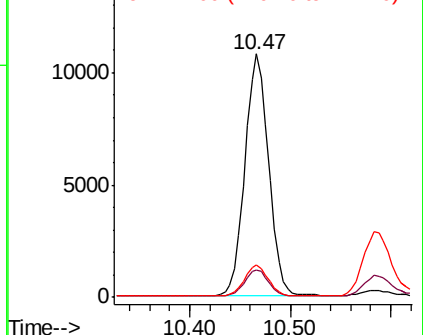


Abundance

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: 0.382 ng/ul

RT: 12.09 min Scan# 3345

Delta R.T. -0.00 min

Lab File: BM025565.D

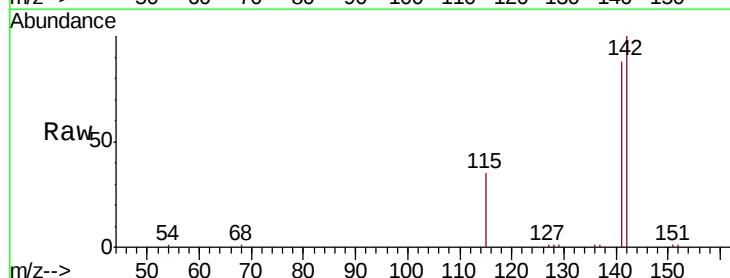
Acq: 14 Mar 2020 06:14

Tgt Ion:142 Resp: 12786

Ion Ratio Lower Upper

142 100

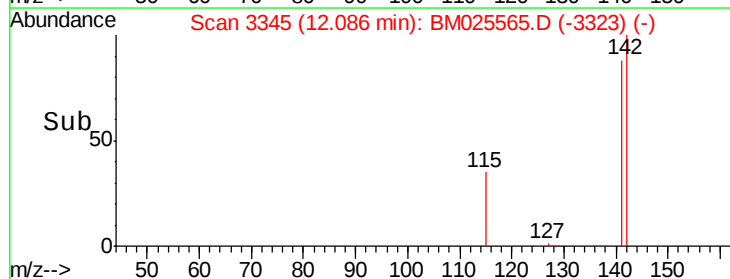
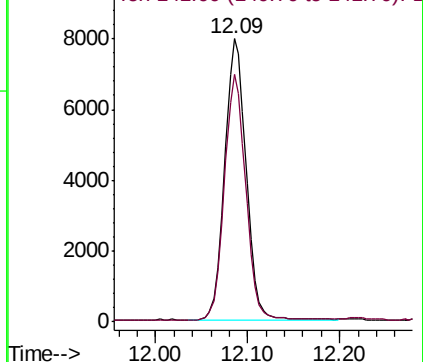
141 87.3 69.8 104.6

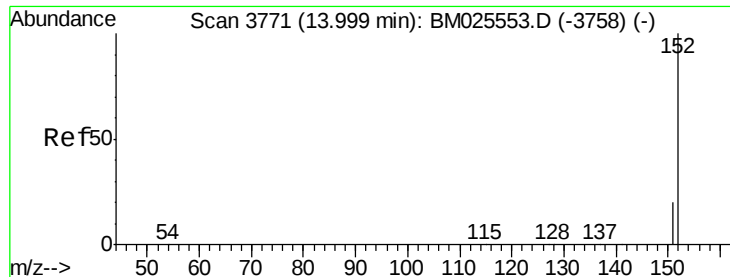


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.369 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.00 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

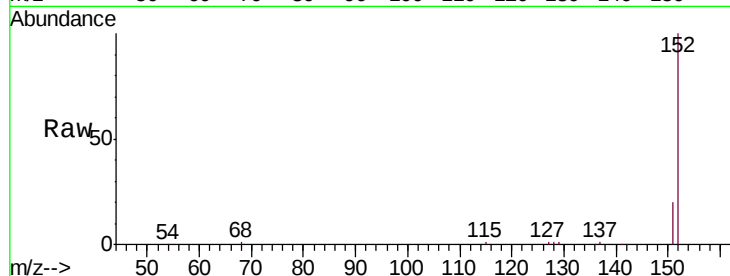
Tgt Ion:152 Resp: 15341

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

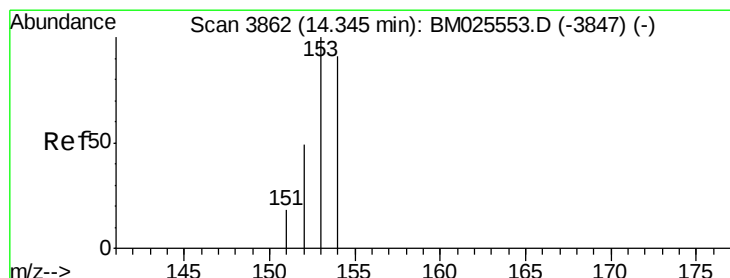
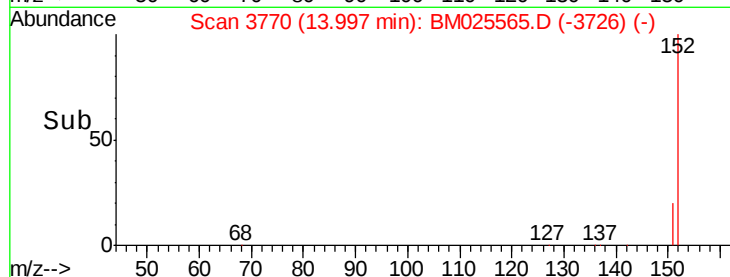
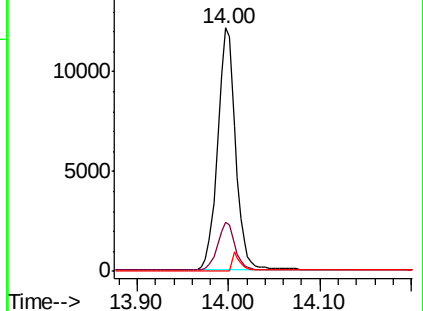
153 0.0 10.6 16.0#



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: 0.386 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

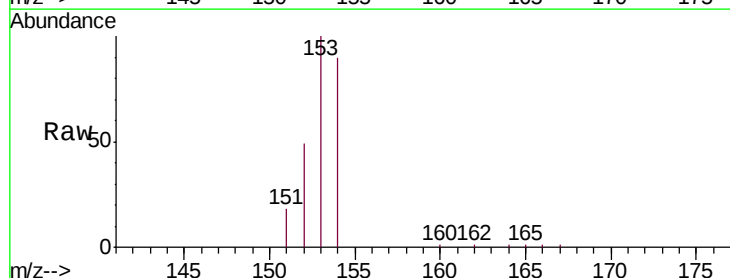
Tgt Ion:153 Resp: 14070

Ion Ratio Lower Upper

153 100

152 48.9 39.5 59.3

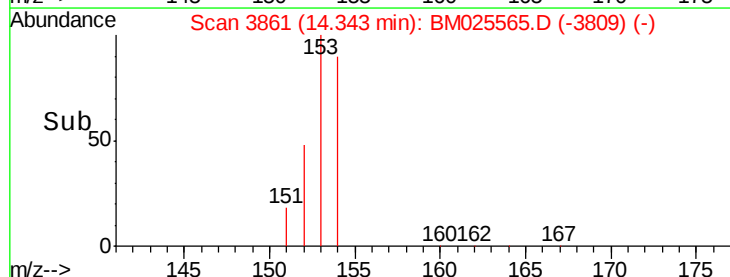
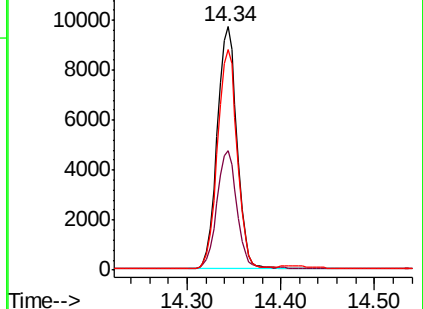
154 90.4 71.7 107.5

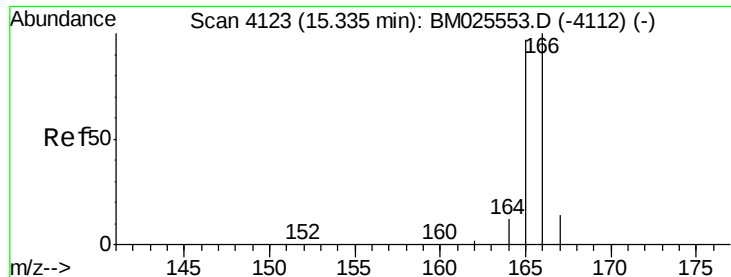


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.372 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

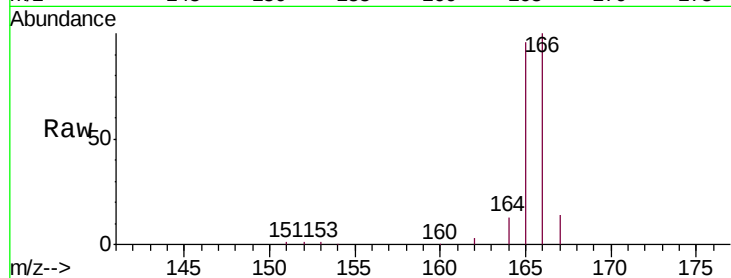
Tgt Ion:166 Resp: 16543

Ion Ratio Lower Upper

166 100

165 96.2 76.8 115.2

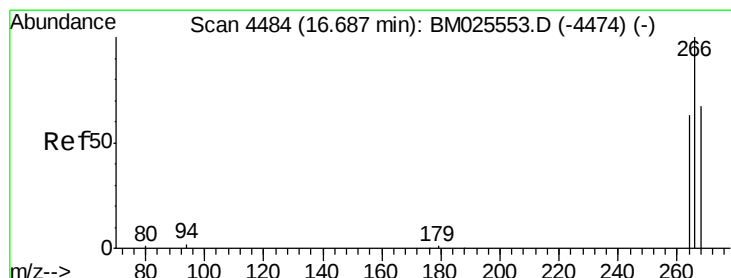
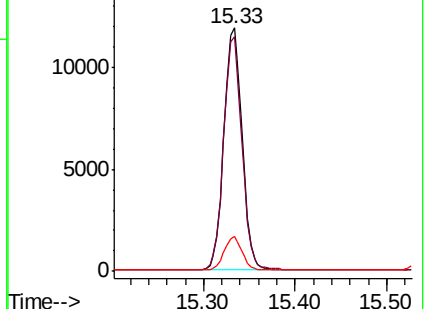
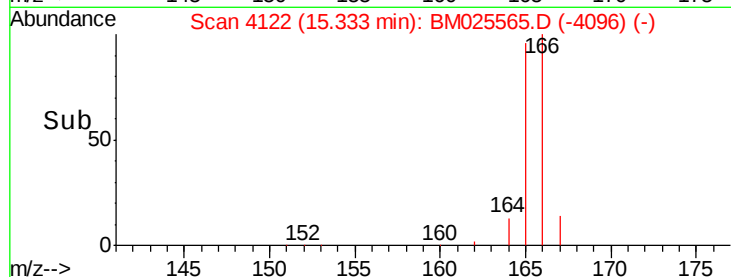
167 14.1 11.2 16.8



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: 0.409 ng/ul

RT: 16.68 min Scan# 4482

Delta R.T. -0.01 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

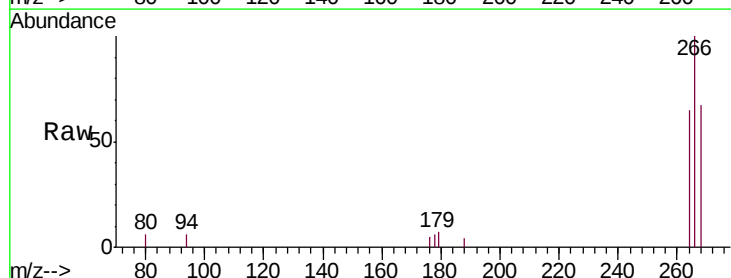
Tgt Ion:266 Resp: 1978

Ion Ratio Lower Upper

266 100

264 62.5 48.2 72.2

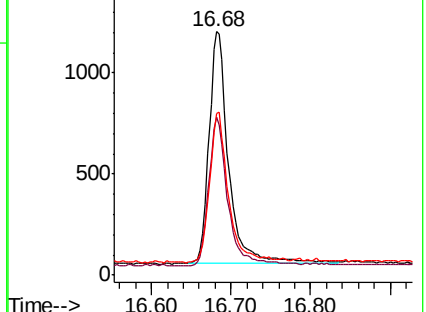
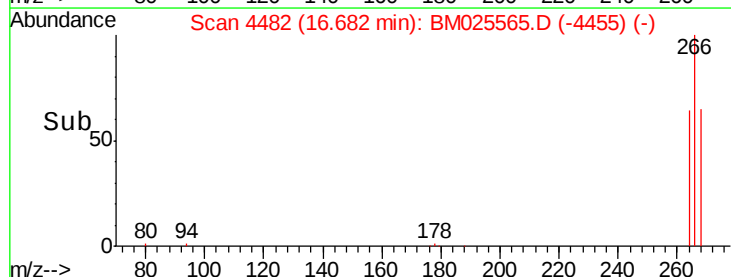
268 63.2 50.7 76.1

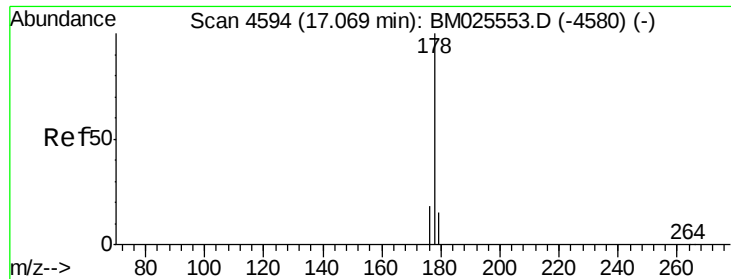


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.387 ng/ul

RT: 17.06 min Scan# 4592

Delta R.T. -0.01 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

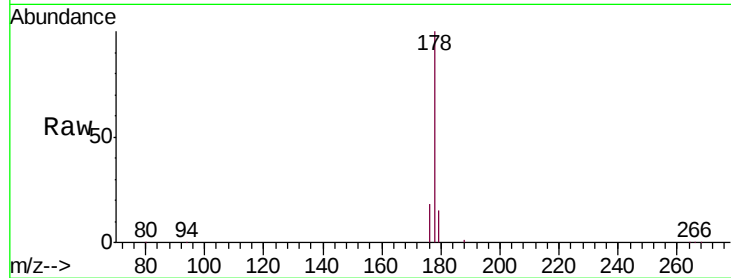
Tgt Ion:178 Resp: 25318

Ion Ratio Lower Upper

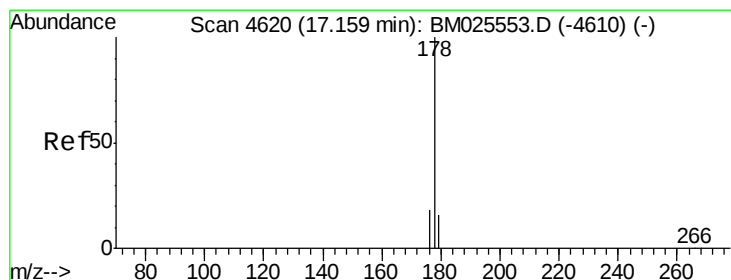
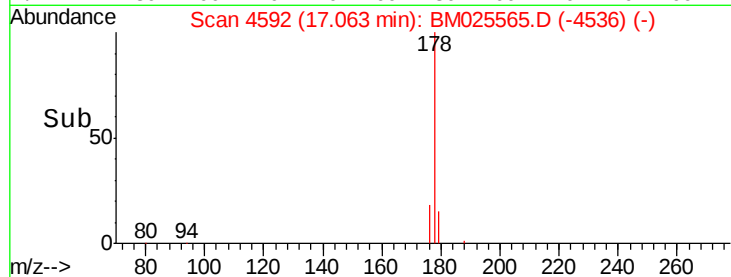
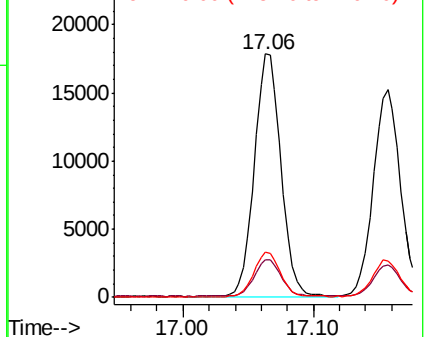
178 100

179 15.3 12.4 18.6

176 18.5 14.8 22.2



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: 0.395 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

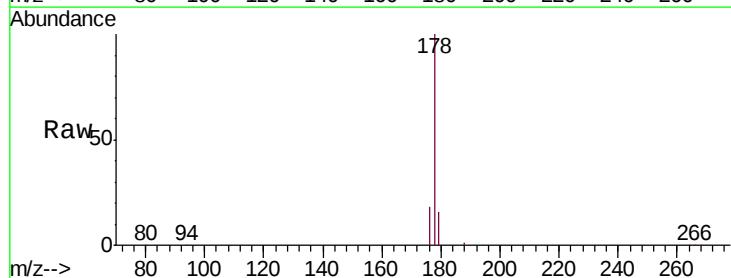
Tgt Ion:178 Resp: 22451

Ion Ratio Lower Upper

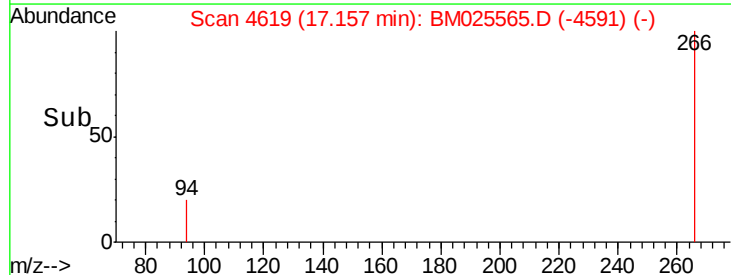
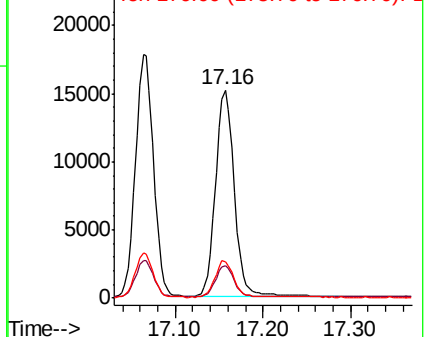
178 100

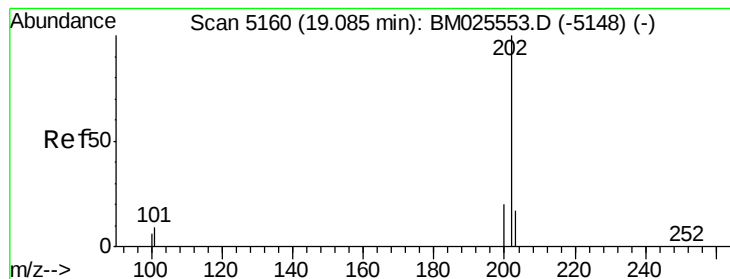
179 15.9 12.6 18.8

176 17.7 14.5 21.7



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





#15

Fluoranthene

Concen: 0.374 ng/ul

RT: 19.08 min Scan# 5159

Delta R.T. -0.00 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

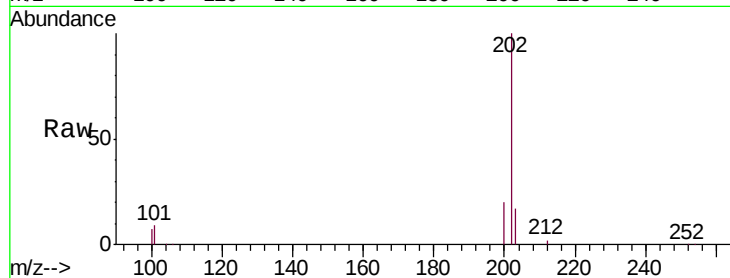
Tgt Ion:202 Resp: 26488

Ion Ratio Lower Upper

202 100

101 8.9 0.0 27.5

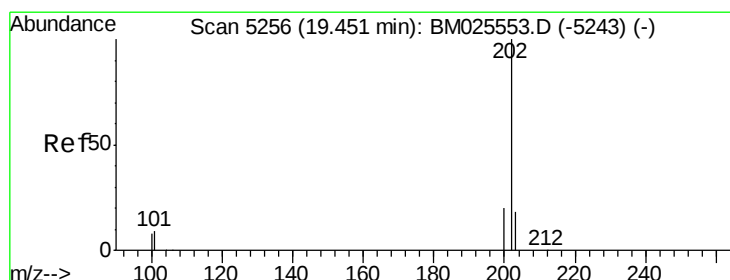
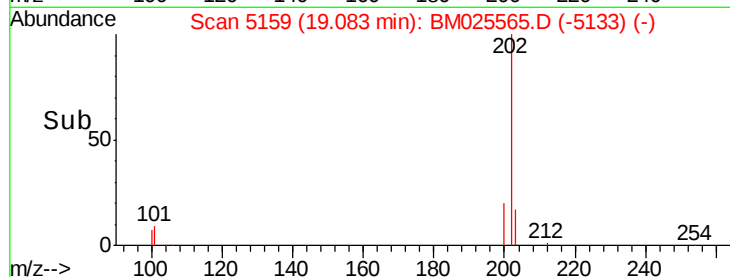
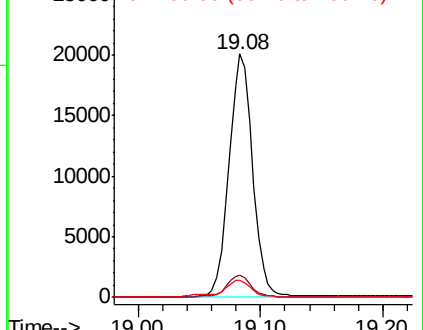
100 7.0 0.0 26.0



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: 0.395 ng/ul

RT: 19.45 min Scan# 5254

Delta R.T. -0.01 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

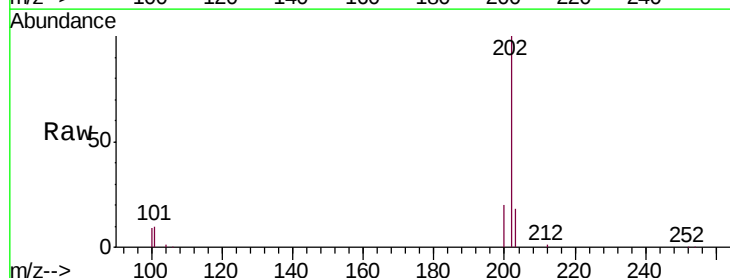
Tgt Ion:202 Resp: 25697

Ion Ratio Lower Upper

202 100

101 10.3 7.1 10.7

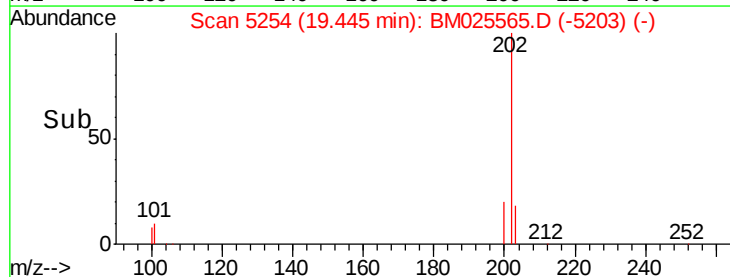
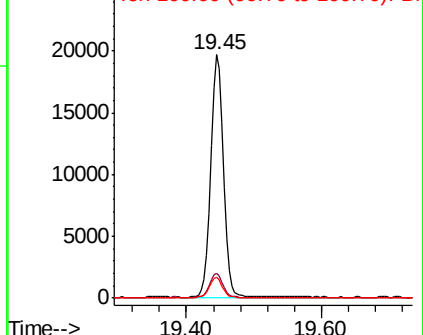
100 8.6 6.0 9.0

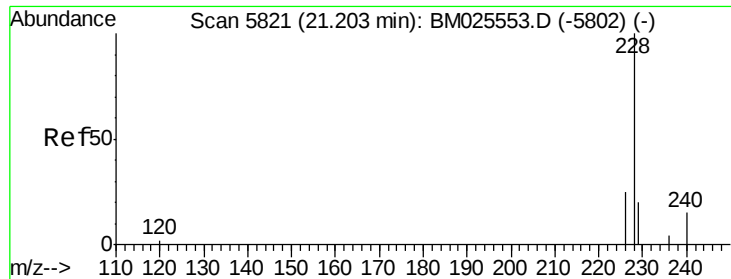


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.420 ng/ul

RT: 21.20 min Scan# 5818

Delta R.T. -0.01 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

Instrument :

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ClientSampleId :

SSTD0.443

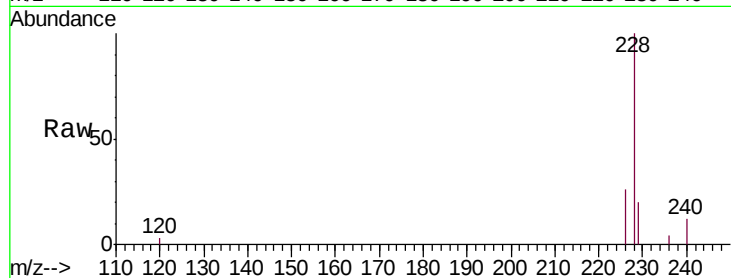
Tgt Ion:228 Resp: 21774

Ion Ratio Lower Upper

228 100

229 19.7 15.6 23.4

226 26.2 21.1 31.7

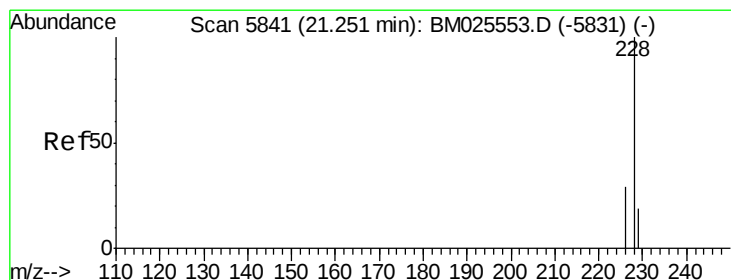
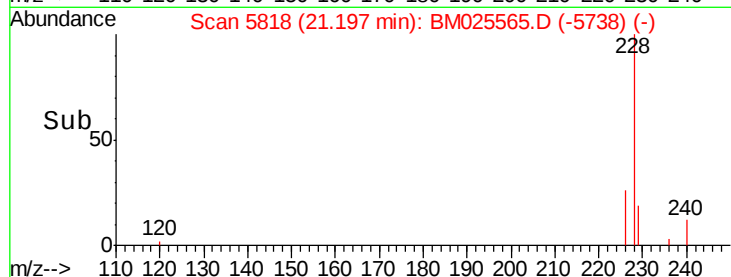
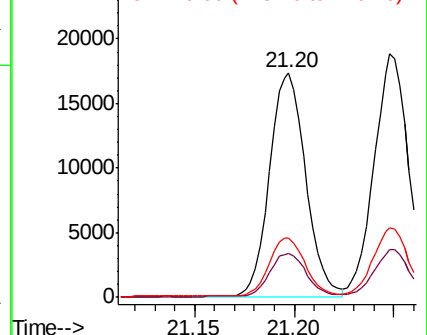


Abundance

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: 0.392 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. -0.00 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

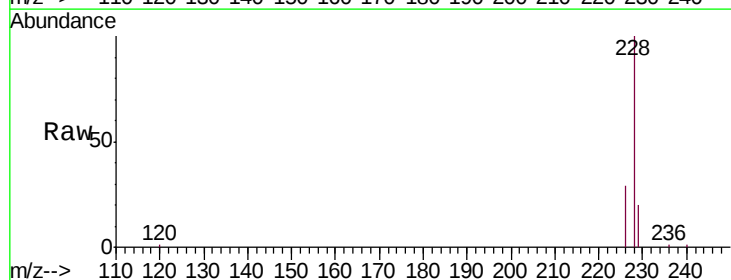
Tgt Ion:228 Resp: 22815

Ion Ratio Lower Upper

228 100

226 28.7 23.6 35.4

229 19.7 16.3 24.5

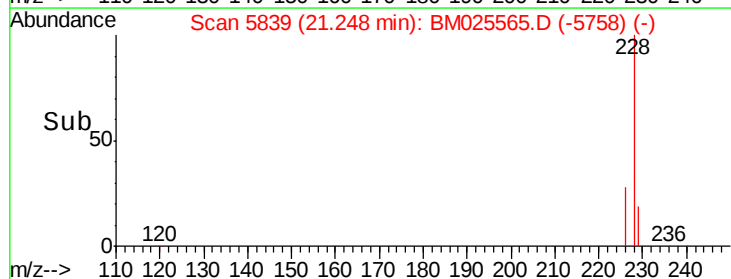
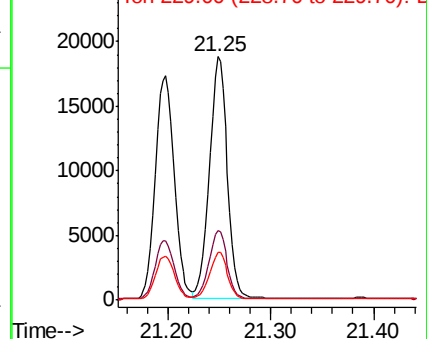


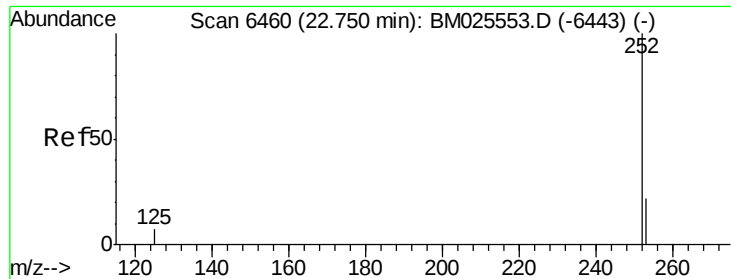
Abundance

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: 0.368 ng/u1

RT: 22.74 min Scan# 6457

Delta R.T. -0.01 min

Lab File: BM025565.D

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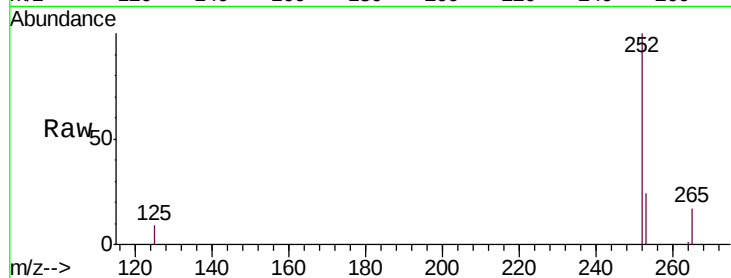
Tgt Ion:252 Resp: 22155

Ion Ratio Lower Upper

252 100

253 24.2 0.0 50.2

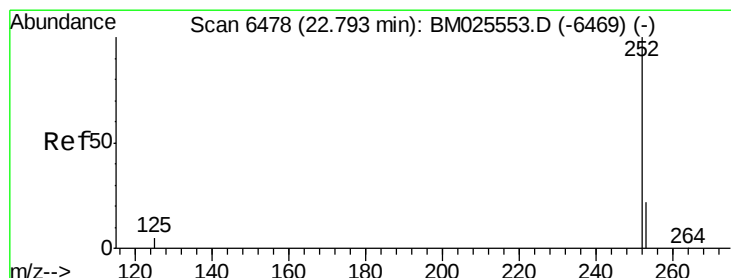
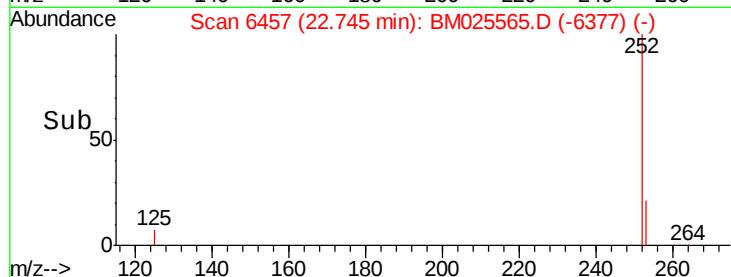
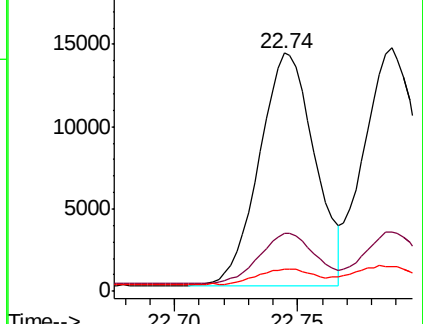
125 9.4 0.0 17.6



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: 0.365 ng/u1

RT: 22.79 min Scan# 6475

Delta R.T. -0.01 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

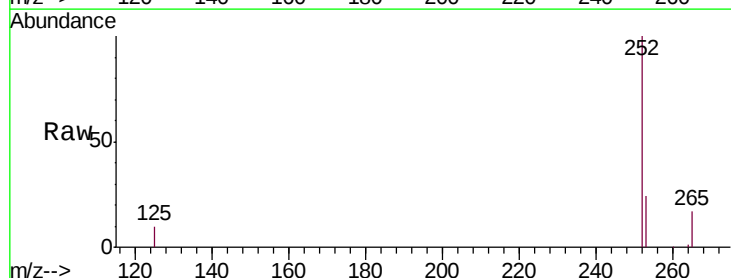
Tgt Ion:252 Resp: 23025

Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.8

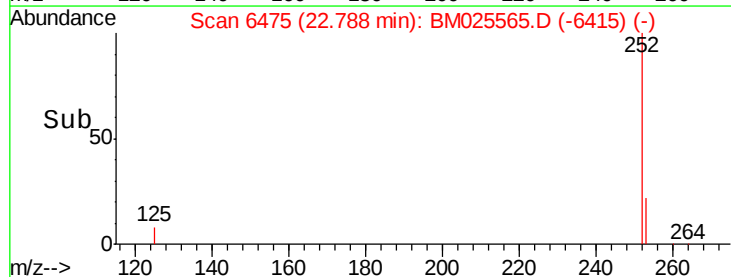
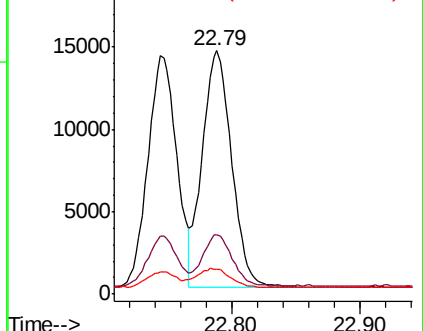
125 10.3 7.1 10.7

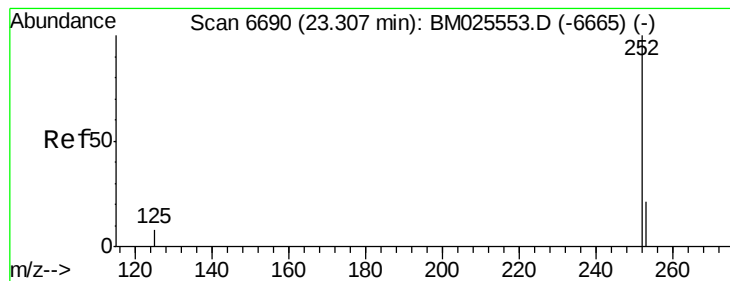


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.404 ng/u1

RT: 23.30 min Scan# 6686

Delta R.T. -0.01 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

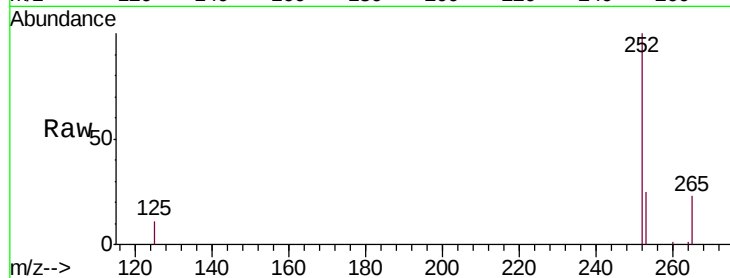
Tgt Ion:252 Resp: 20186

Ion Ratio Lower Upper

252 100

253 25.3 21.3 31.9

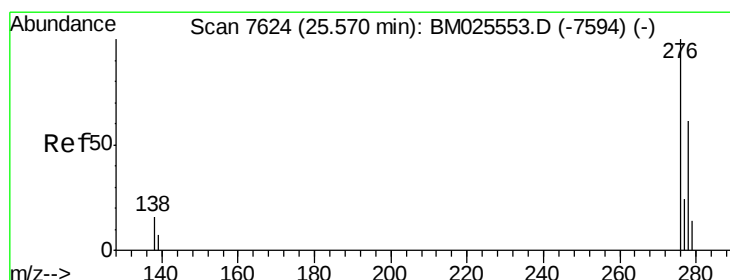
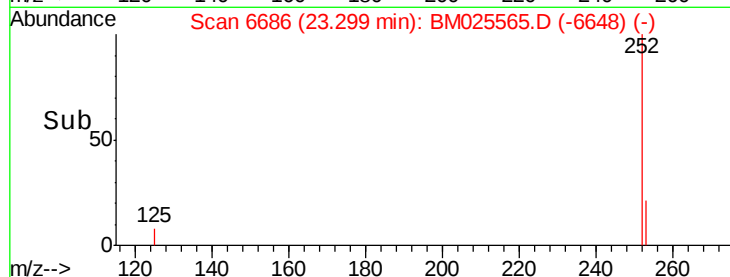
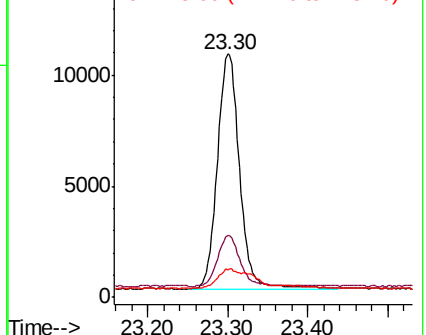
125 11.3 8.5 12.7



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: 0.384 ng/u1

RT: 25.56 min Scan# 7621

Delta R.T. -0.01 min

Lab File: BM025565.D

Acq: 14 Mar 2020 06:14

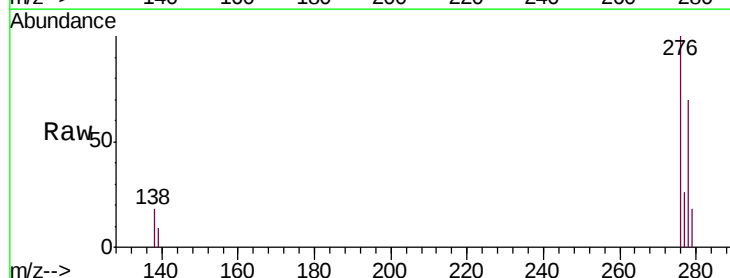
Tgt Ion:276 Resp: 26008

Ion Ratio Lower Upper

276 100

138 17.6 12.3 18.5

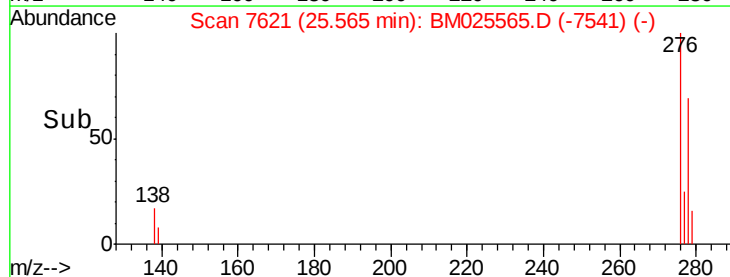
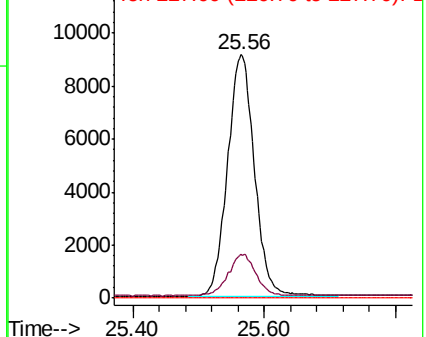
227 0.0 0.0 0.0

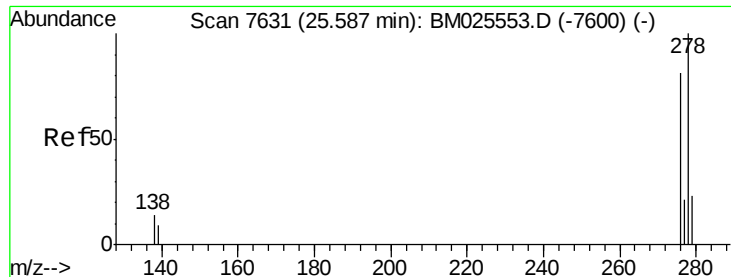


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

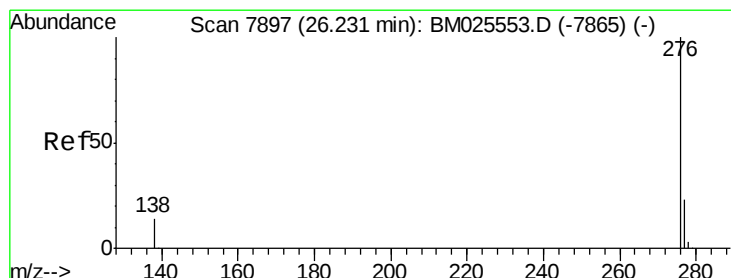
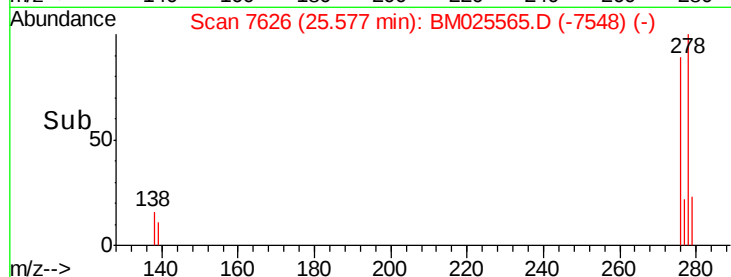
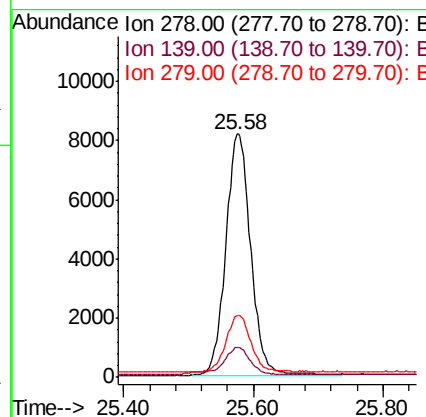
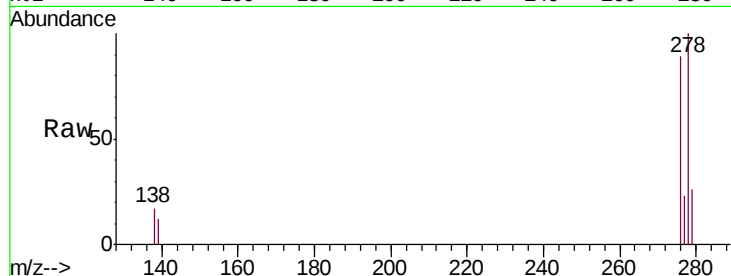




#25
Dibenzo(a,h)anthracene
Concen: 0.379 ng/ul
RT: 25.58 min Scan# 7626
Delta R.T. -0.01 min
Lab File: BM025565.D
Acq: 14 Mar 2020 06:14

Instrument :
BNA_M
ClientSampleId :
SSTD0.443

Tgt Ion: 278 Resp: 21620
Ion Ratio Lower Upper
278 100
139 12.3 9.0 13.6
279 25.6 21.1 31.7



#26
Benzo(g,h,i)perylene
Concen: 0.378 ng/ul
RT: 26.22 min Scan# 7892
Delta R.T. -0.01 min
Lab File: BM025565.D
Acq: 14 Mar 2020 06:14

Tgt Ion: 276 Resp: 22257
Ion Ratio Lower Upper
276 100
138 15.6 11.0 16.4
277 23.8 19.8 29.6

