

Data File : BM025553.D
Acq On : 13 Mar 2020 22:26
Operator : CG/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.442

Quant Time: Mar 16 05:41:08 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 05:37:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	3467	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	14165	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9489	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	18943	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	13978	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	14567	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	9902	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	19313	0.37	ng/ul	0.00

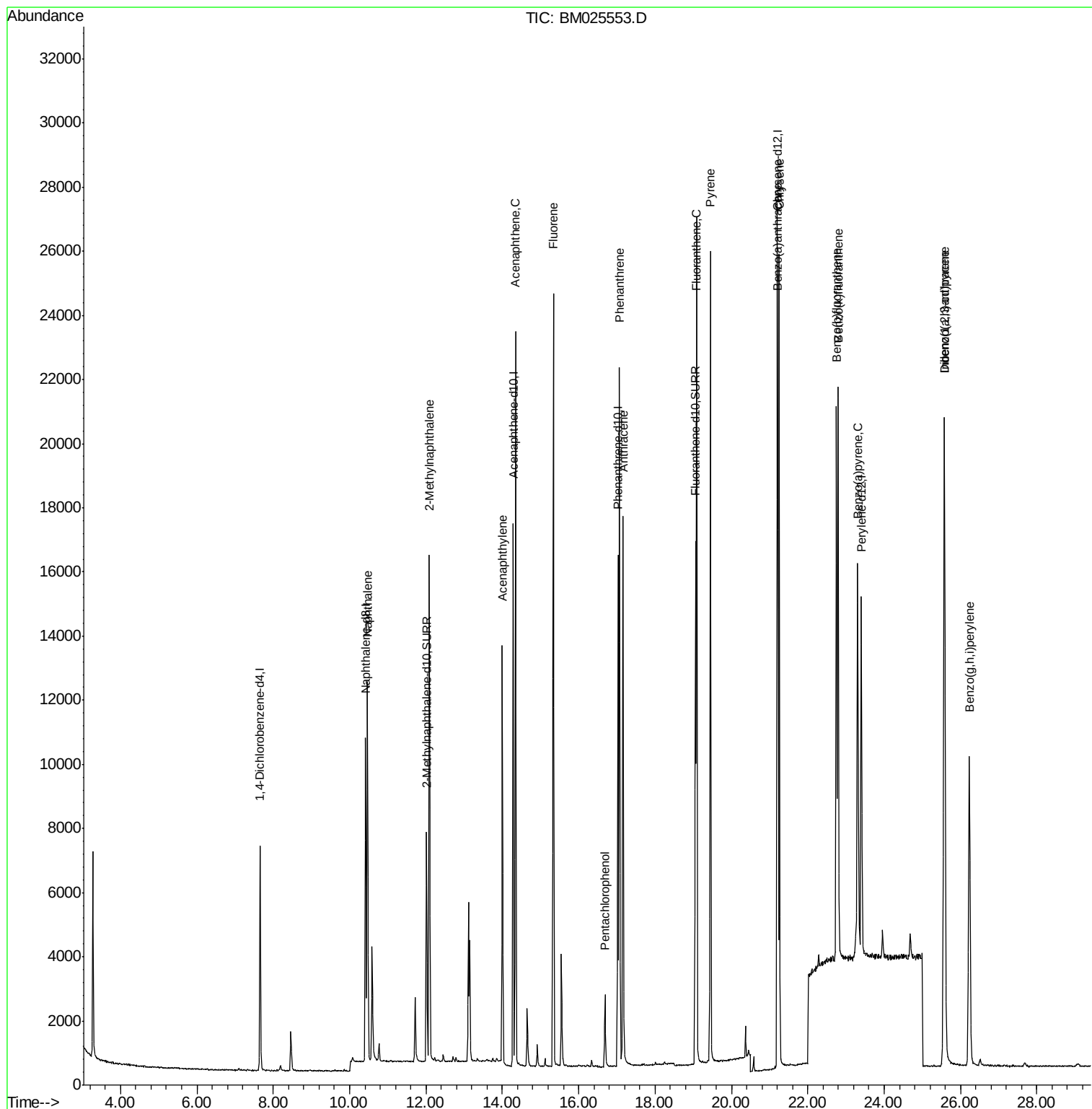
Target Compounds					Qvalue
3) Naphthalene	10.47	128	15849	0.378	ng/ul 100
5) 2-Methylnaphthalene	12.09	142	11386	0.380	ng/ul 99
7) Acenaphthylene	14.00	152	13814	0.356	ng/ul# 87
8) Acenaphthene	14.35	153	12896	0.379	ng/ul 99
9) Fluorene	15.33	166	15222	0.367	ng/ul 99
11) Pentachlorophenol	16.69	266	1737	0.391	ng/ul 97
12) Phenanthrene	17.07	178	22917	0.382	ng/ul 100
13) Anthracene	17.16	178	19640	0.376	ng/ul 99
15) Fluoranthene	19.08	202	23573	0.362	ng/ul 97
17) Pyrene	19.45	202	22979	0.366	ng/ul 98
18) Benzo(a)anthracene	21.20	228	20017	0.401	ng/ul 99
19) Chrysene	21.25	228	21726	0.387	ng/ul 98
21) Benzo(b)fluoranthene	22.75	252	21241	0.368	ng/ul 99
22) Benzo(k)fluoranthene	22.79	252	22774	0.377	ng/ul 99
23) Benzo(a)pyrene	23.31	252	19063	0.398	ng/ul 98
24) Indeno(1,2,3-cd)pyrene	25.57	276	24812	0.382	ng/ul# 97
25) Dibenzo(a,h)anthracene	25.59	278	20712	0.379	ng/ul 99
26) Benzo(g,h,i)perylene	26.23	276	21081	0.374	ng/ul 97

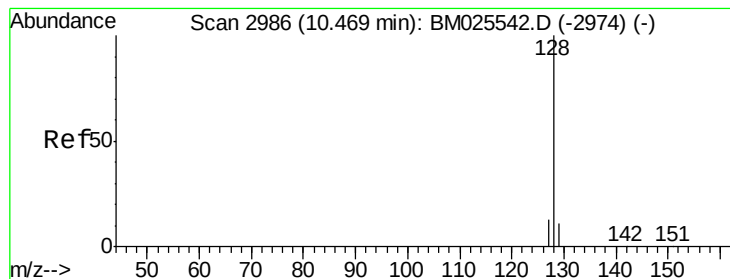
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.378 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

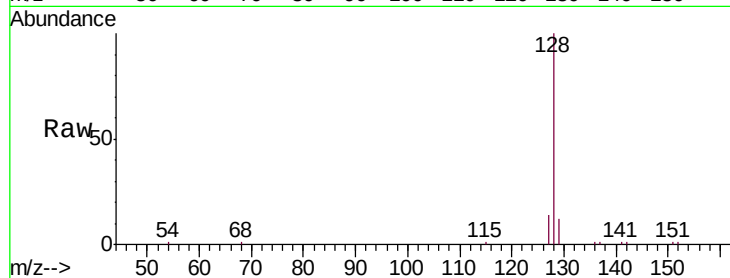
Tgt Ion:128 Resp: 15849

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.0

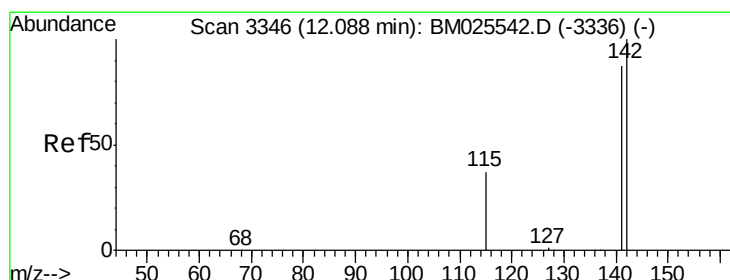
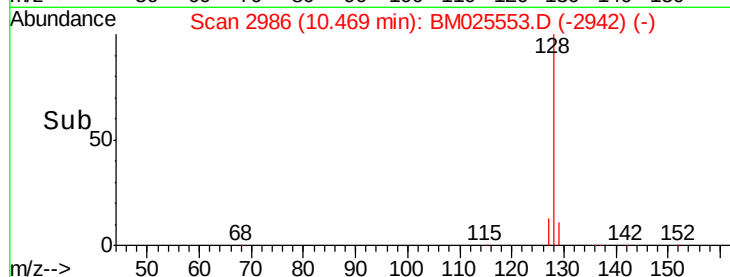
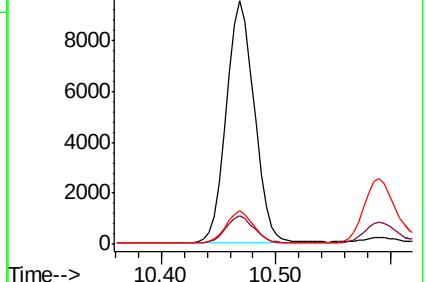
127 13.6 10.9 16.3



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: 0.380 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.00 min

Lab File: BM025553.D

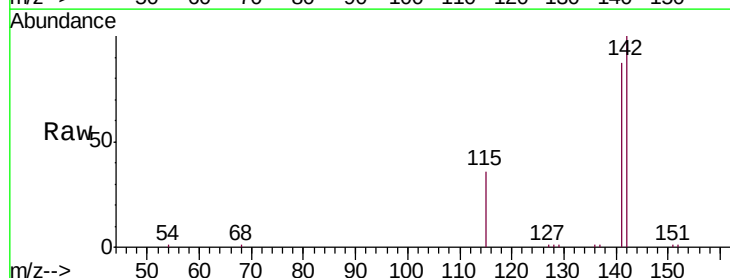
Acq: 13 Mar 2020 22:26

Tgt Ion:142 Resp: 11386

Ion Ratio Lower Upper

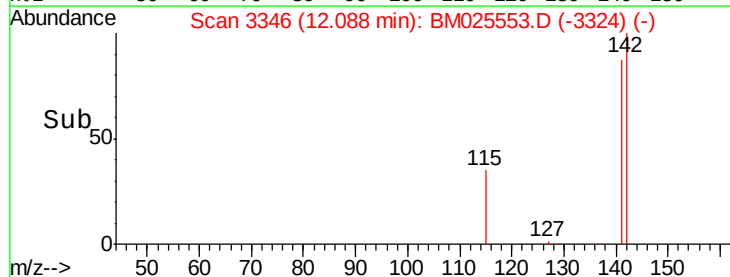
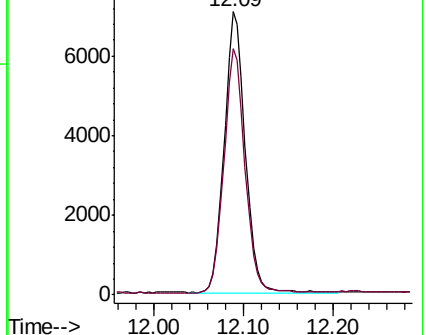
142 100

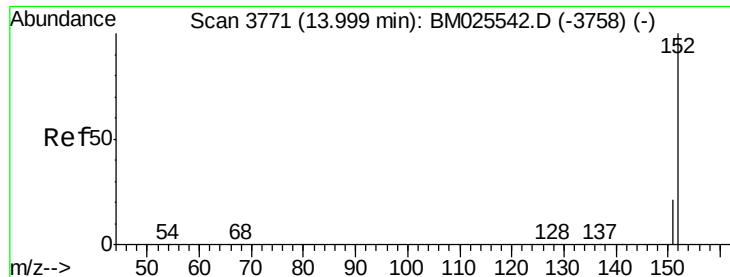
141 87.9 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.356 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

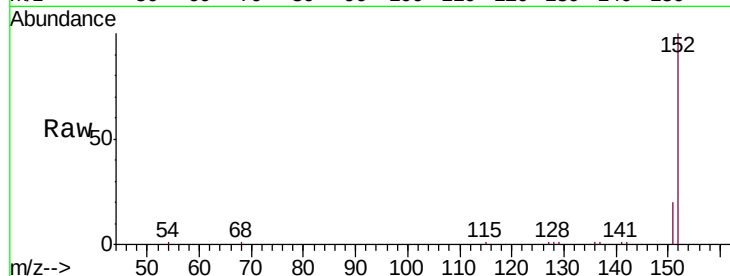
Tgt Ion:152 Resp: 13814

Ion Ratio Lower Upper

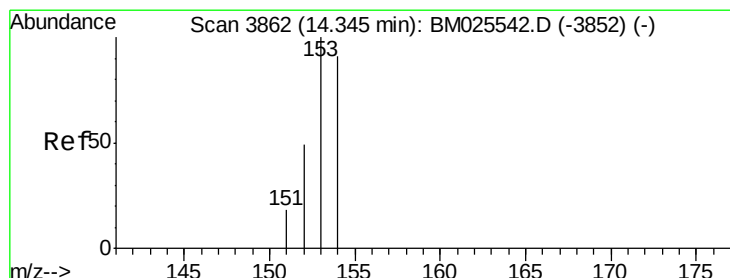
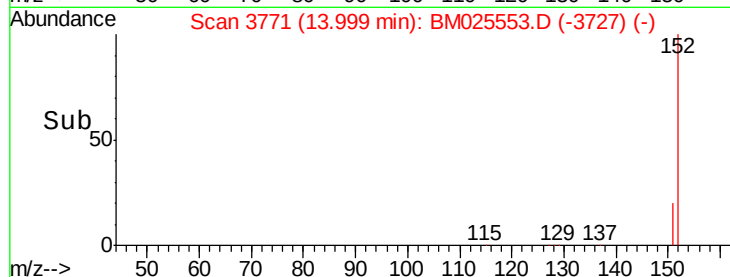
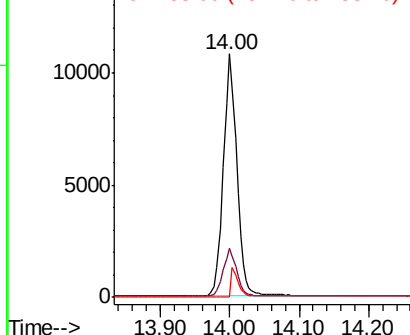
152 100

151 20.1 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: 0.379 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

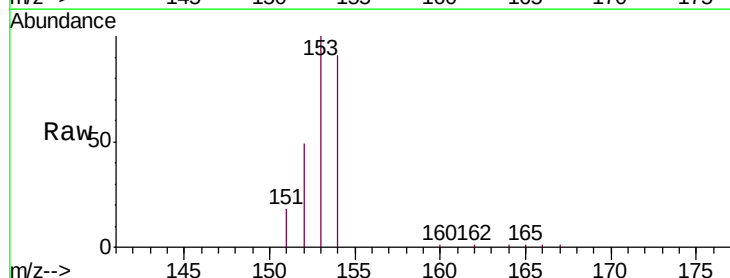
Tgt Ion:153 Resp: 12896

Ion Ratio Lower Upper

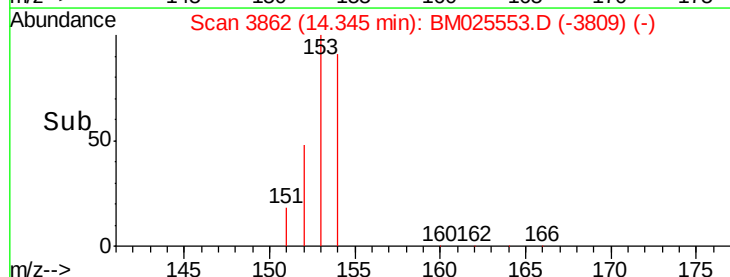
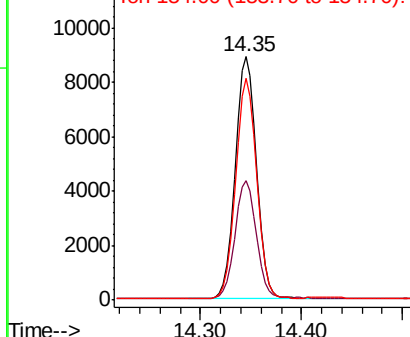
153 100

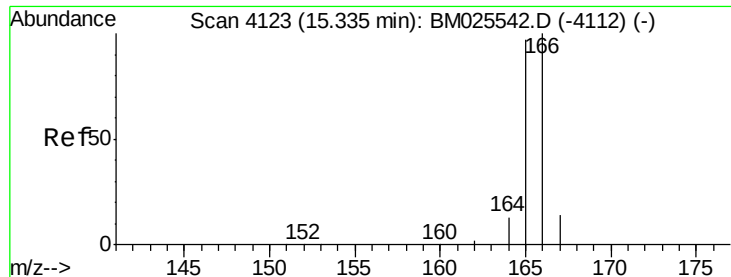
152 49.1 39.5 59.3

154 91.0 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

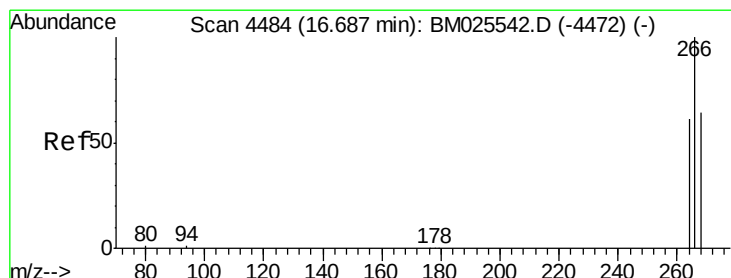
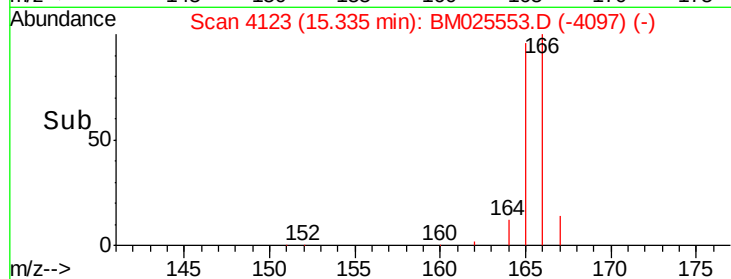
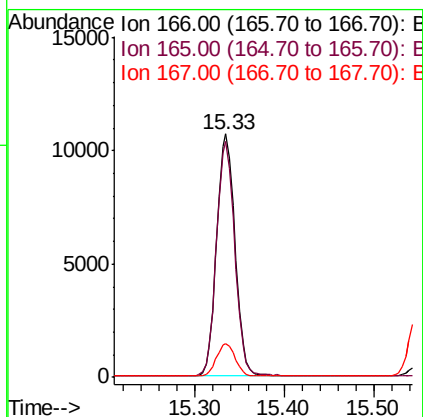
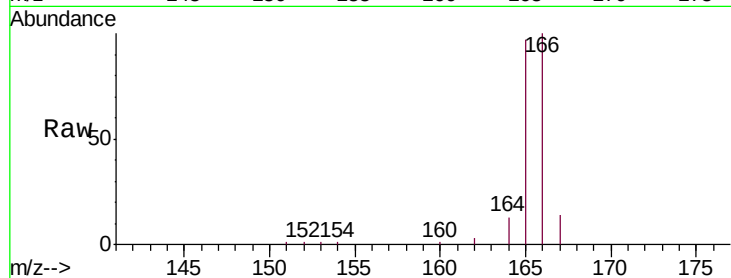




#9
 Fluorene
 Concen: 0.367 ng/ul
 RT: 15.33 min Scan# 4123
 Delta R.T. -0.00 min
 Lab File: BM025553.D
 Acq: 13 Mar 2020 22:26

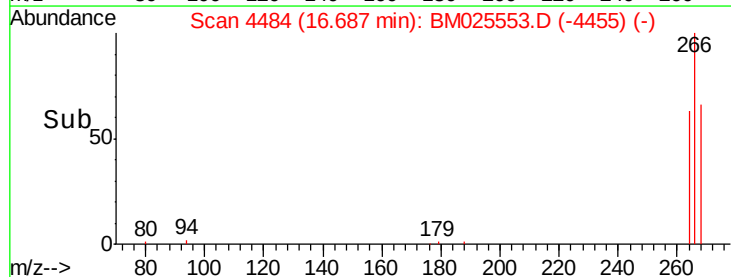
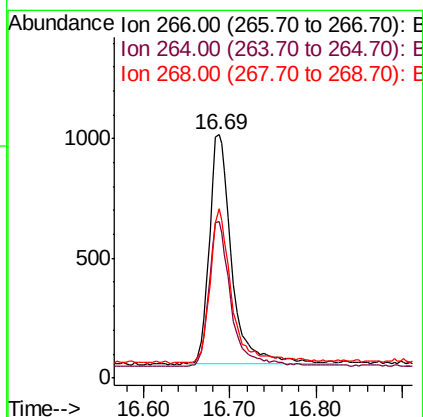
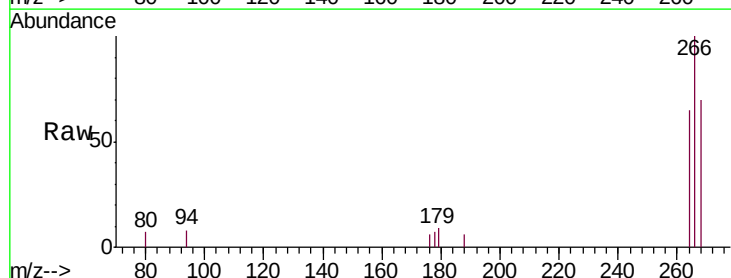
Instrument :
 BNA_M
 ClientSampleId :
 SST0.442

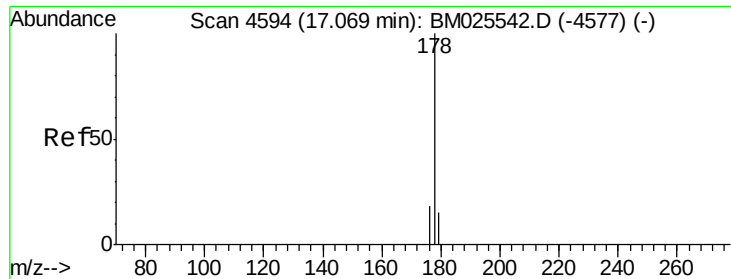
Tgt Ion:166 Resp: 15222
 Ion Ratio Lower Upper
 166 100
 165 96.7 76.8 115.2
 167 14.0 11.2 16.8



#11
 Pentachlorophenol
 Concen: 0.391 ng/ul
 RT: 16.69 min Scan# 4484
 Delta R.T. -0.00 min
 Lab File: BM025553.D
 Acq: 13 Mar 2020 22:26

Tgt Ion:266 Resp: 1737
 Ion Ratio Lower Upper
 266 100
 264 63.0 48.2 72.2
 268 64.7 50.7 76.1





#12

Phenanthrene

Concen: 0.382 ng/ul

RT: 17.07 min Scan# 4594

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

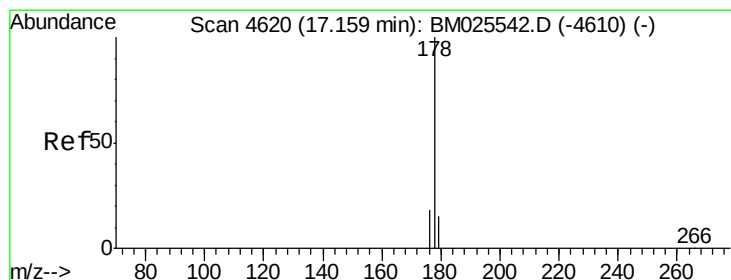
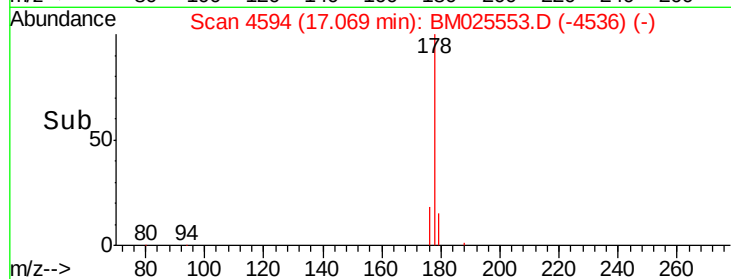
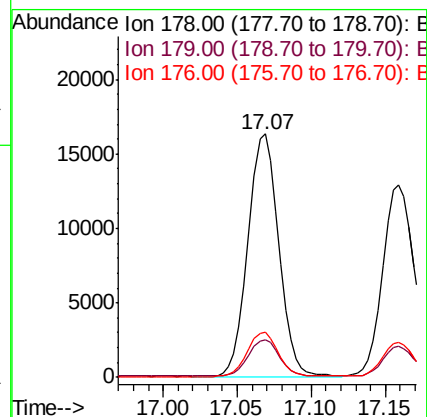
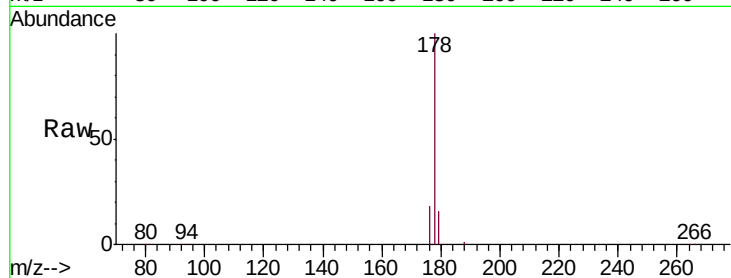
Tgt Ion:178 Resp: 22917

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 18.4 14.8 22.2



#13

Anthracene

Concen: 0.376 ng/ul

RT: 17.16 min Scan# 4620

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

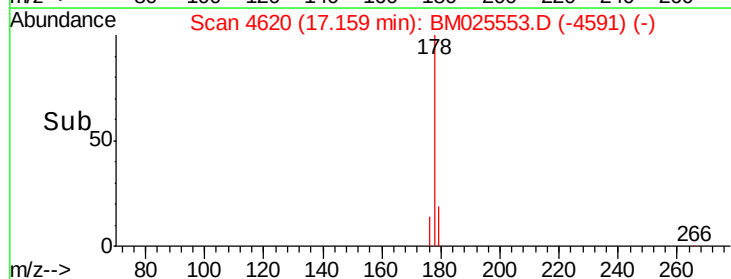
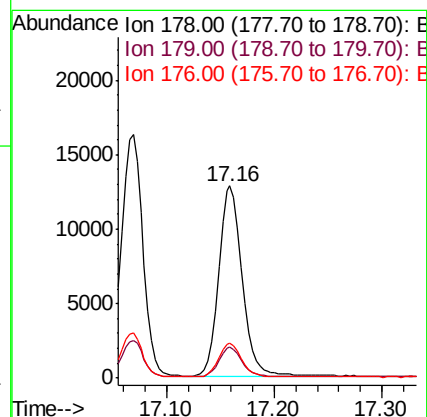
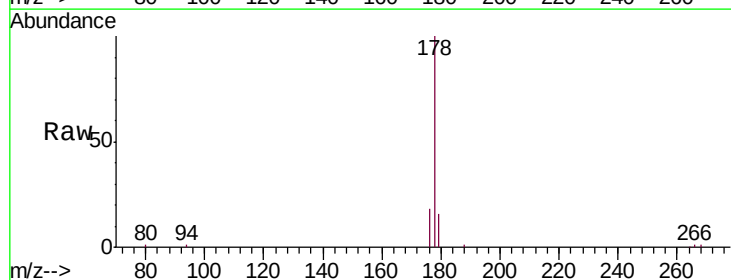
Tgt Ion:178 Resp: 19640

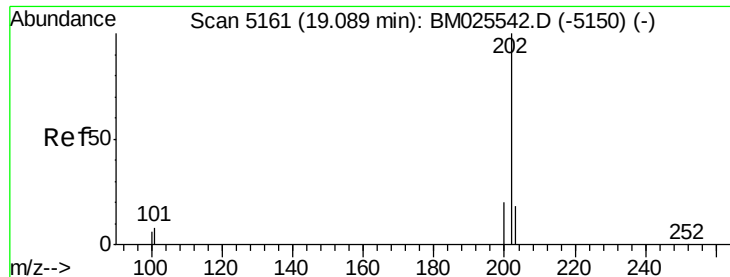
Ion Ratio Lower Upper

178 100

179 16.4 12.6 18.8

176 18.1 14.5 21.7

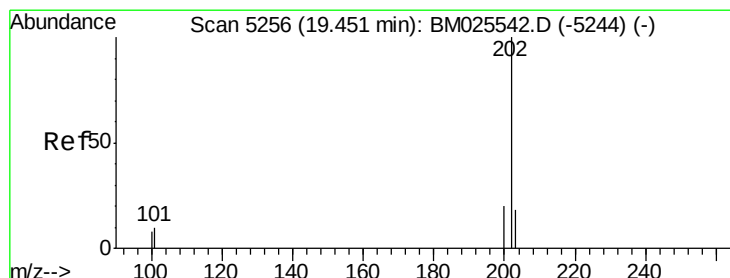
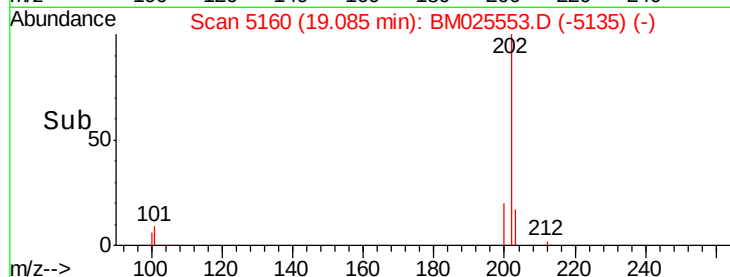
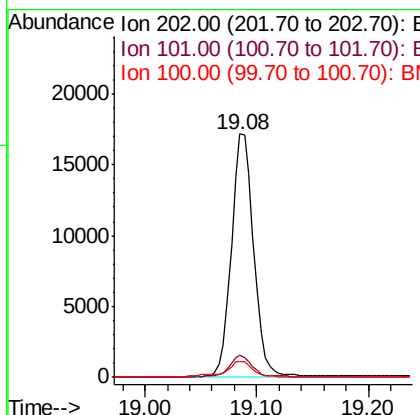
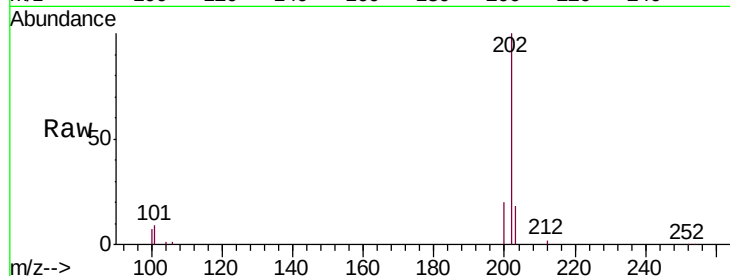




#15
Fluoranthene
 Concen: 0.362 ng/ul
 RT: 19.08 min Scan# 5160
 Delta R.T. -0.00 min
 Lab File: BM025553.D
 Acq: 13 Mar 2020 22:26

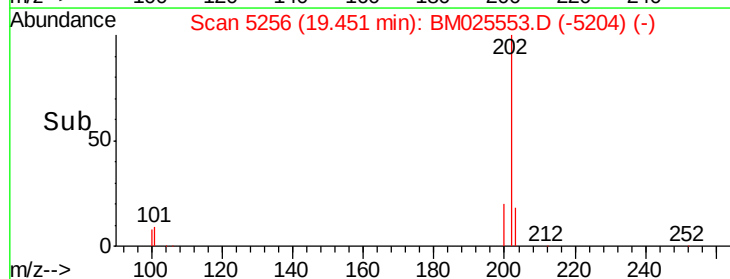
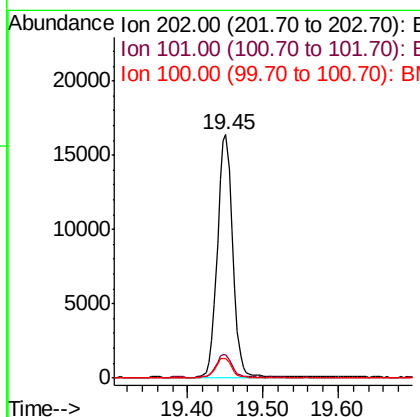
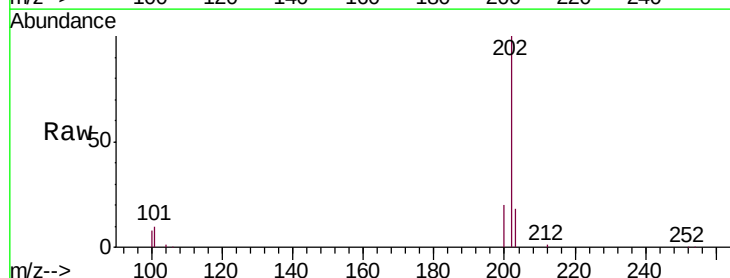
Instrument :
 BNA_M
 ClientSampleId :
 SST0.442

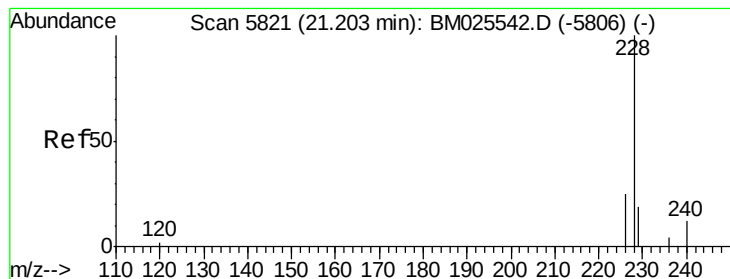
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	23573		
101	8.9	0.0	27.5	
100	6.7	0.0	26.0	



#17
Pyrene
 Concen: 0.366 ng/ul
 RT: 19.45 min Scan# 5256
 Delta R.T. -0.00 min
 Lab File: BM025553.D
 Acq: 13 Mar 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	22979		
101	9.7	7.1	10.7	
100	7.9	6.0	9.0	





#18

Benzo(a)anthracene

Concen: 0.401 ng/ul

RT: 21.20 min Scan# 5821

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

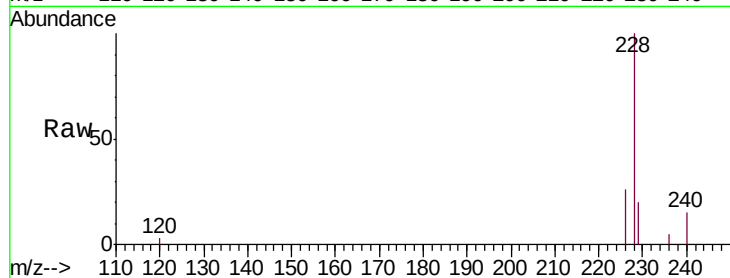
Tgt Ion:228 Resp: 20017

Ion Ratio Lower Upper

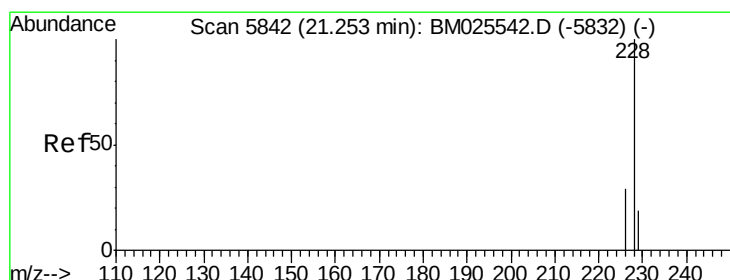
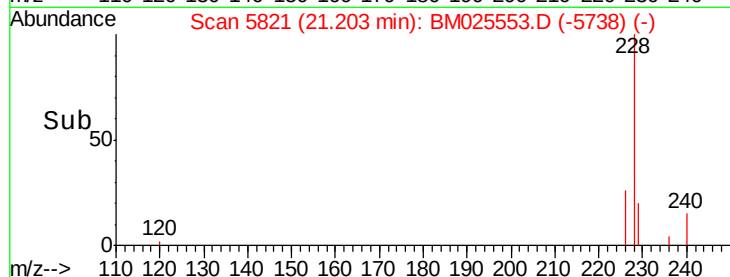
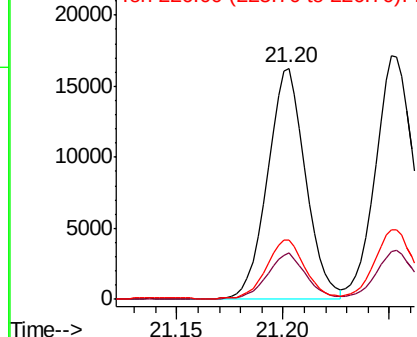
228 100

229 19.9 15.6 23.4

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: 0.387 ng/ul

RT: 21.25 min Scan# 5841

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

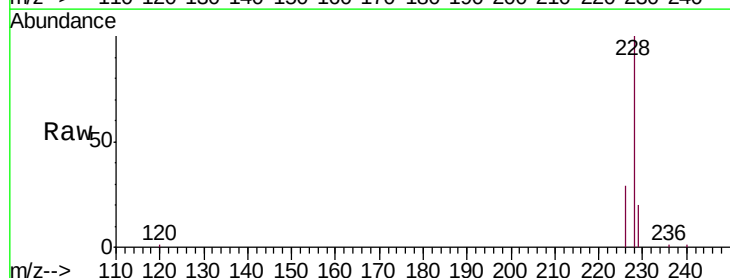
Tgt Ion:228 Resp: 21726

Ion Ratio Lower Upper

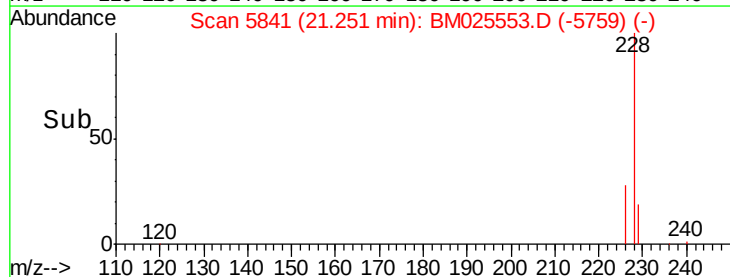
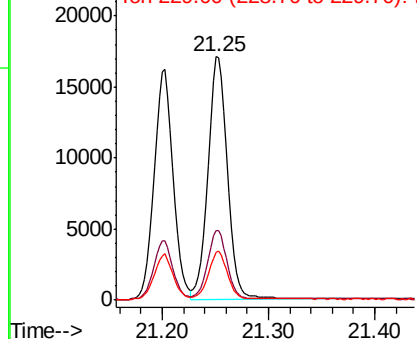
228 100

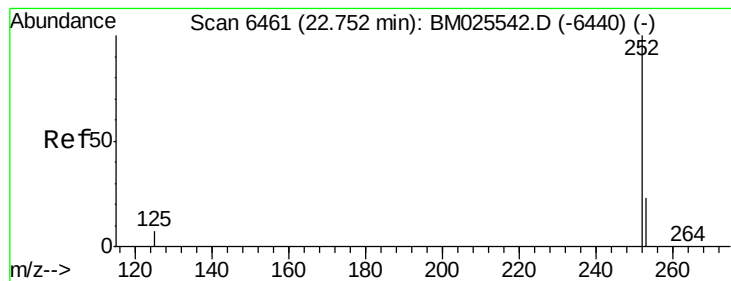
226 28.7 23.6 35.4

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/ul

RT: 22.75 min Scan# 6460

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

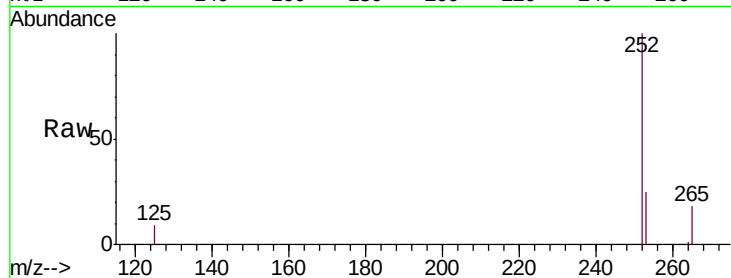
Tgt Ion:252 Resp: 21241

Ion Ratio Lower Upper

252 100

253 24.9 0.0 50.2

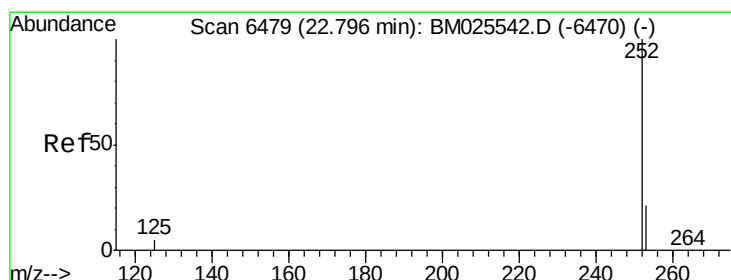
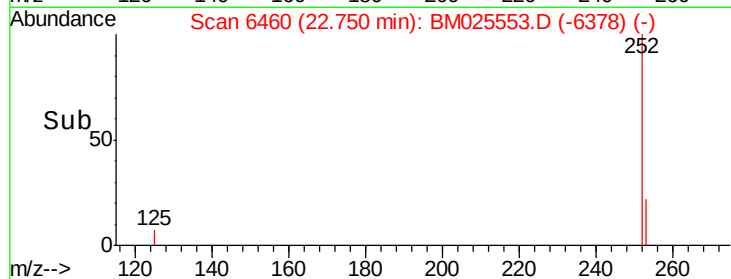
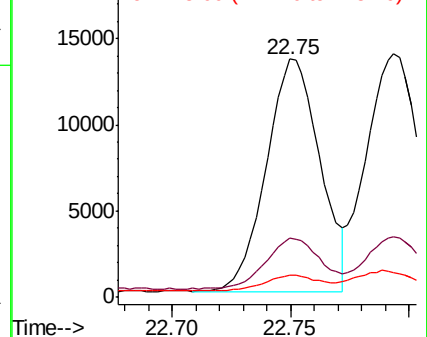
125 9.5 0.0 17.6



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: 0.377 ng/ul

RT: 22.79 min Scan# 6478

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

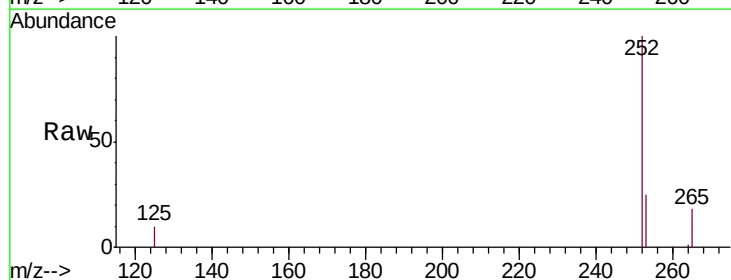
Tgt Ion:252 Resp: 22774

Ion Ratio Lower Upper

252 100

253 25.1 19.8 29.8

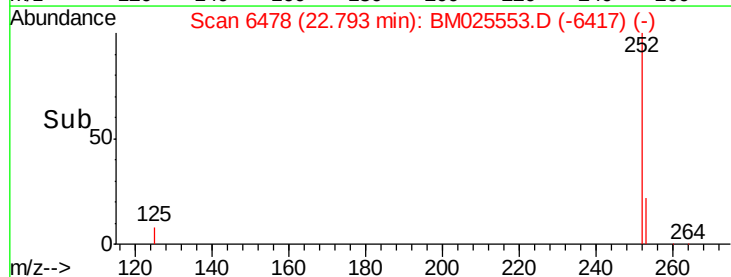
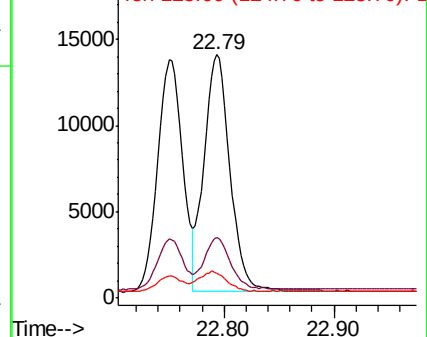
125 10.3 7.1 10.7

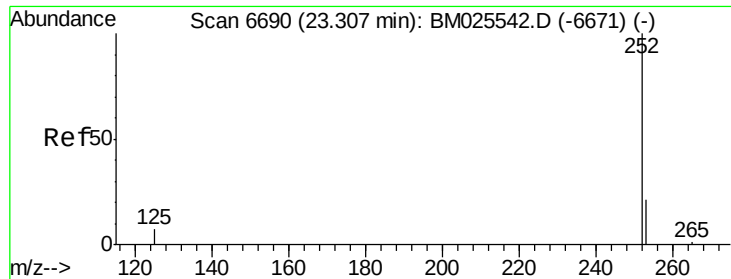


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.398 ng/ul

RT: 23.31 min Scan# 6690

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

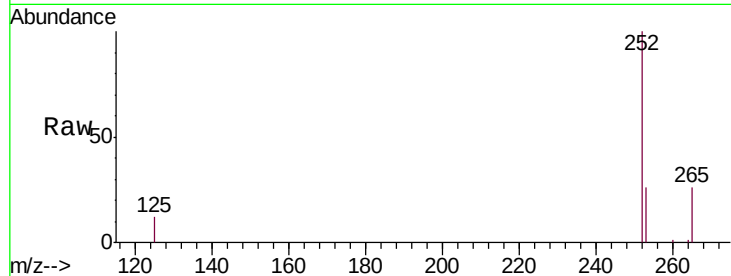
Tgt Ion:252 Resp: 19063

Ion Ratio Lower Upper

252 100

253 25.5 21.3 31.9

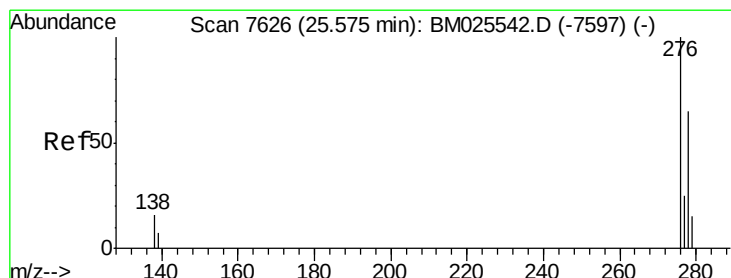
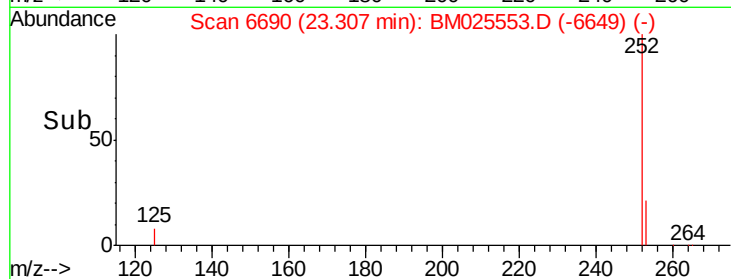
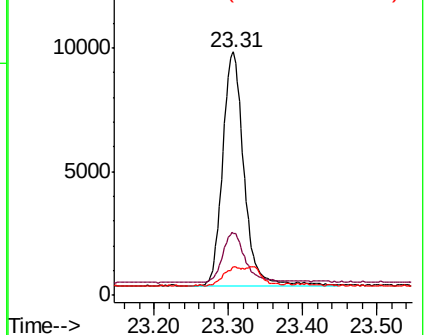
125 11.6 8.5 12.7



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: 0.382 ng/ul

RT: 25.57 min Scan# 7624

Delta R.T. -0.00 min

Lab File: BM025553.D

Acq: 13 Mar 2020 22:26

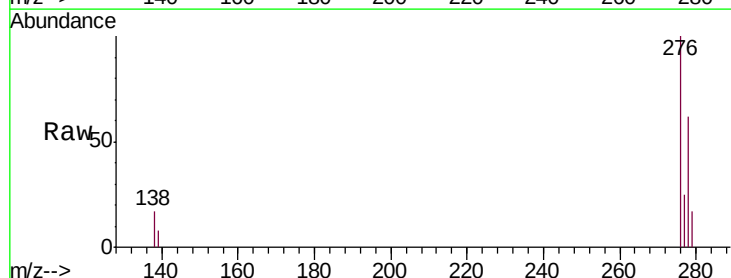
Tgt Ion:276 Resp: 24812

Ion Ratio Lower Upper

276 100

138 16.7 12.3 18.5

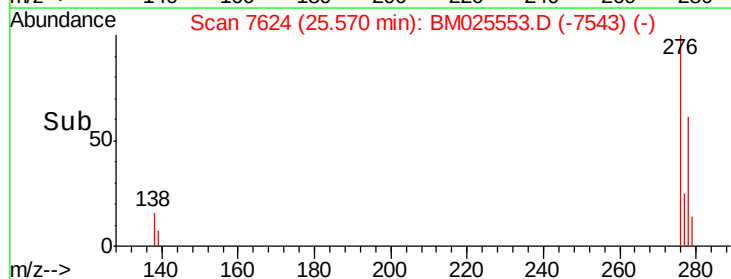
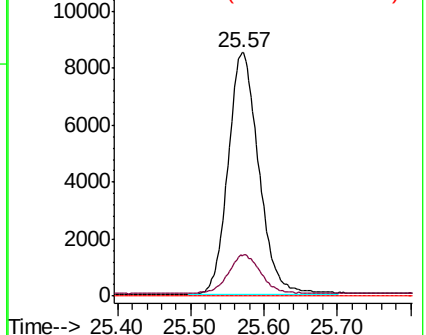
227 0.0 0.0 0.0

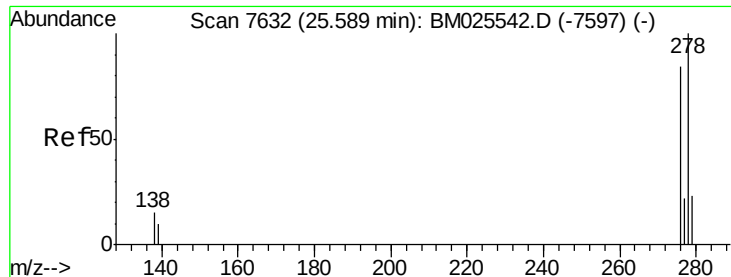


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

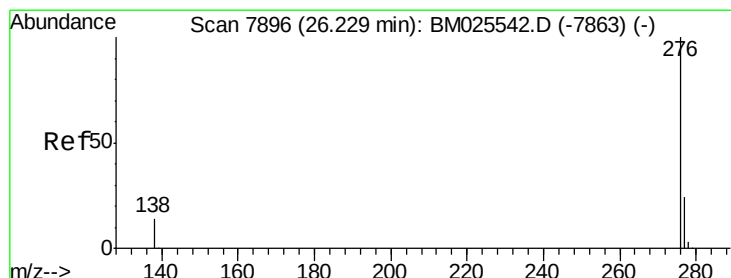
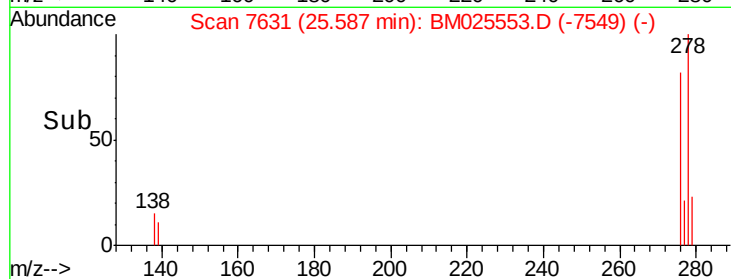
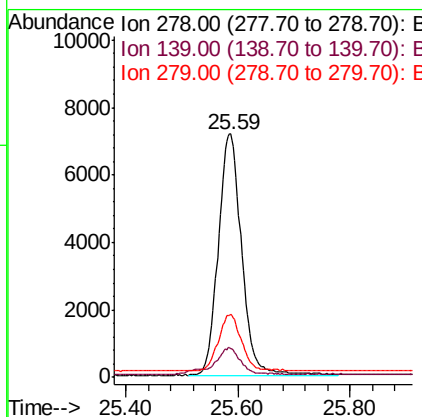
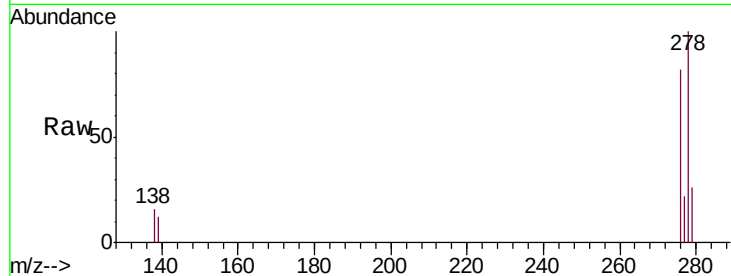




#25
Dibenzo(a,h)anthracene
Concen: 0.379 ng/ul
RT: 25.59 min Scan# 7631
Delta R.T. -0.00 min
Lab File: BM025553.D
Acq: 13 Mar 2020 22:26

Instrument :
BNA_M
ClientSampleId :
SSTD0.442

Tgt Ion: 278 Resp: 20712
Ion Ratio Lower Upper
278 100
139 11.8 9.0 13.6
279 25.8 21.1 31.7



#26
Benzo(g,h,i)perylene
Concen: 0.374 ng/ul
RT: 26.23 min Scan# 7897
Delta R.T. 0.00 min
Lab File: BM025553.D
Acq: 13 Mar 2020 22:26

Tgt Ion: 276 Resp: 21081
Ion Ratio Lower Upper
276 100
138 15.7 11.0 16.4
277 24.1 19.8 29.6

