

Data File : BM025564.D
Acq On : 14 Mar 2020 05:38
Operator : CG/JU
Sample : L1786-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC6

Quant Time: Mar 16 06:49:27 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	3569	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	15520	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10277	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	20191	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	15616	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	16456	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2264	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	4464	0.08	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	67279	1.464	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	14840	0.452	ng/ul	100
7) Acenaphthylene	14.00	152	28498	0.679	ng/ul#	86
8) Acenaphthene	14.34	153	3099	0.084	ng/ul	97
9) Fluorene	15.33	166	27401	0.611	ng/ul	100
12) Phenanthrene	17.07	178	225641	3.526	ng/ul	100
13) Anthracene	17.16	178	60127	1.080	ng/ul	99
15) Fluoranthene	19.08	202	307748	4.437	ng/ul	99
17) Pyrene	19.45	202	214466	3.060	ng/ul	99
18) Benzo(a)anthracene	21.20	228	176350	3.159	ng/ul	98
19) Chrysene	21.25	228	143394	2.287	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	268799	4.125	ng/ul	96
22) Benzo(k)fluoranthene	22.74	252	268799	3.937	ng/ul	97
23) Benzo(a)pyrene	23.30	252	102638	1.897	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.56	276	70240	0.957	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.57	278	24343	0.394	ng/ul	96
26) Benzo(g,h,i)perylene	26.22	276	38134	0.599	ng/ul	98

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

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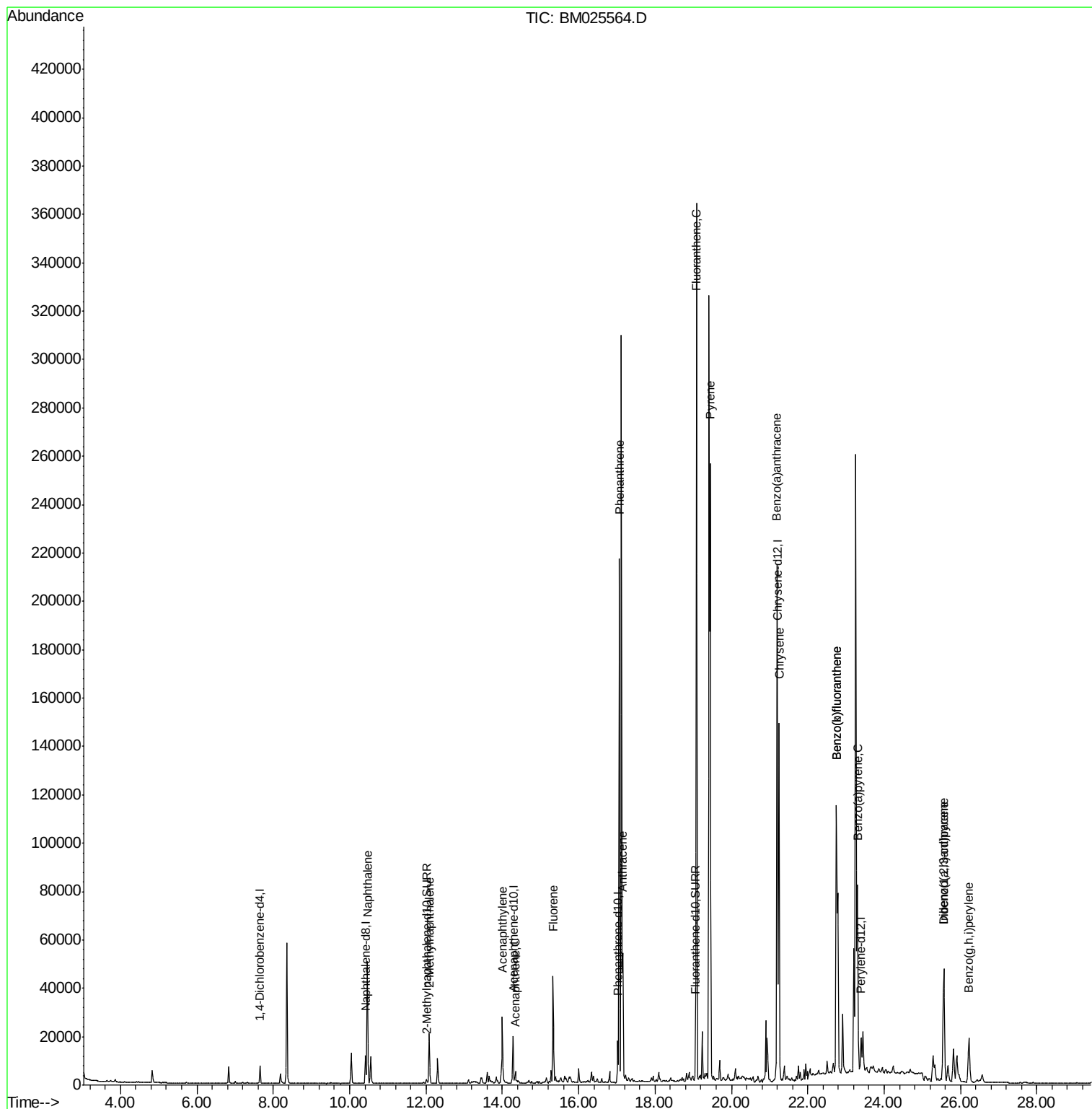
Quant Time: Mar 16 06:49:27 2020

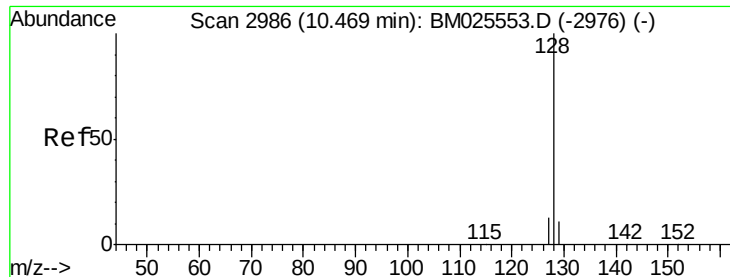
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030920.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 16 06:44:28 2020

Response via : Initial Calibration





#3

Naphthalene

Concen: 1.464 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

Instrument :

BNA_M

ClientSampleId :

C0AC6

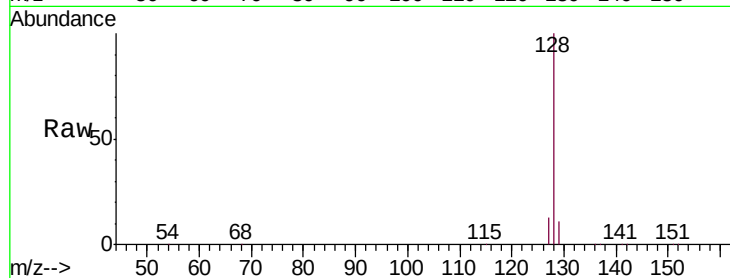
Tgt Ion:128 Resp: 67279

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

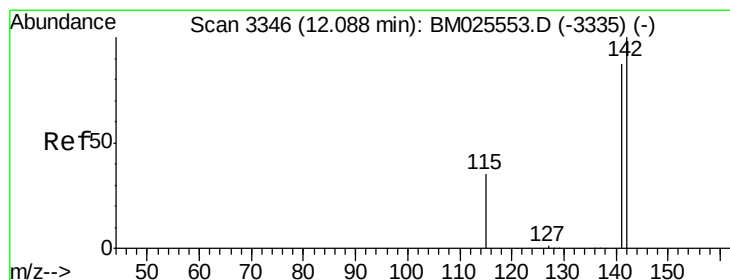
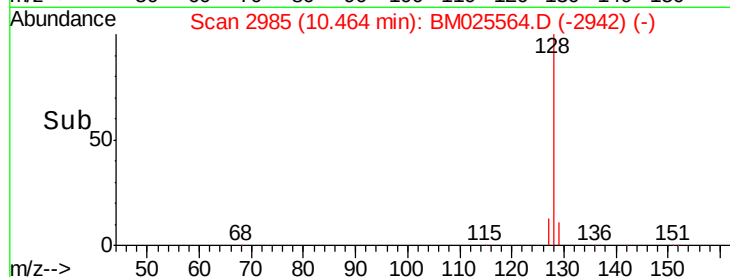
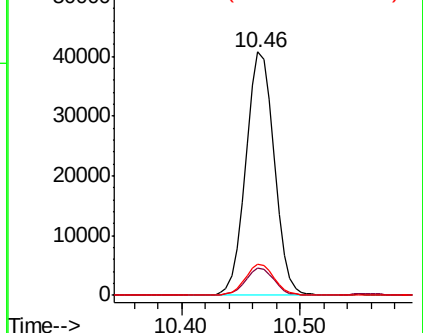
127 12.9 10.9 16.3



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: 0.452 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BM025564.D

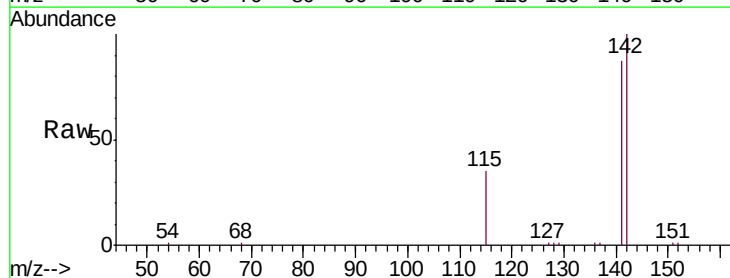
Acq: 14 Mar 2020 05:38

Tgt Ion:142 Resp: 14840

Ion Ratio Lower Upper

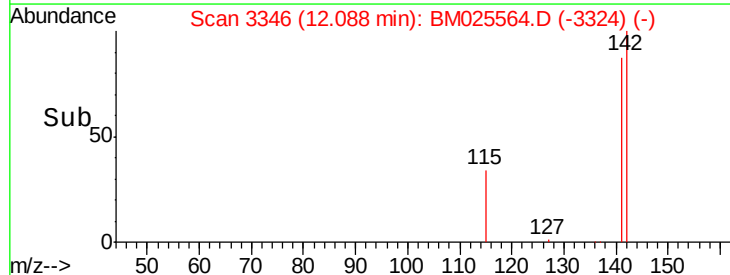
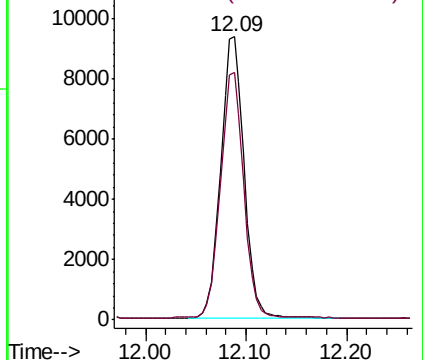
142 100

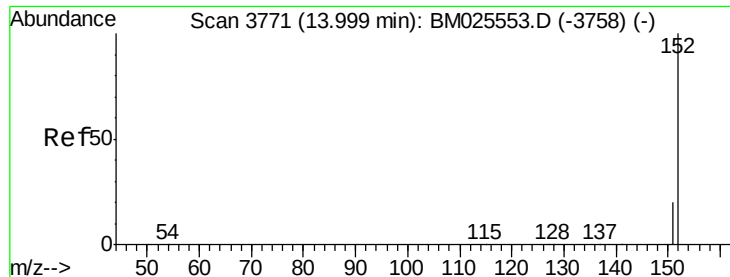
141 87.4 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.679 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

Instrument :

BNA_M

ClientSampleId :

C0AC6

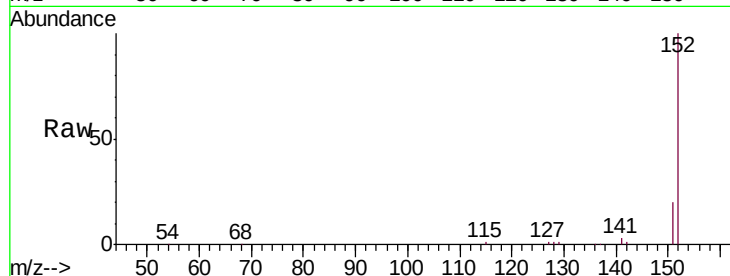
Tgt Ion:152 Resp: 28498

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

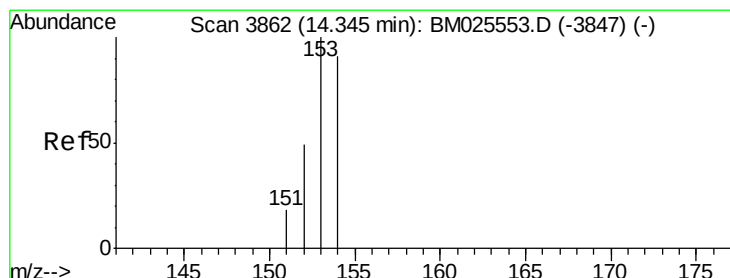
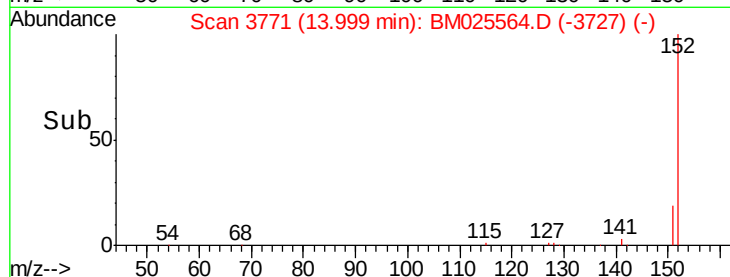
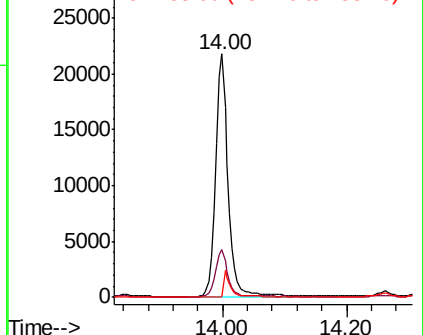
153 0.0 10.6 16.0#



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: 0.084 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

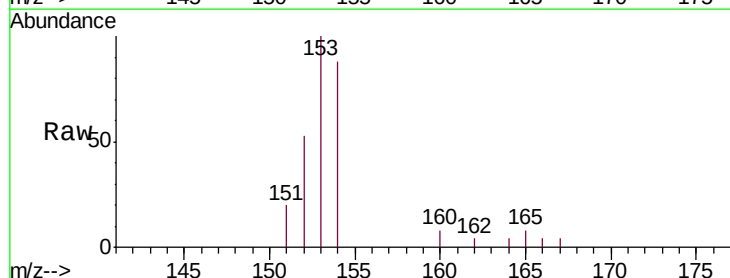
Tgt Ion:153 Resp: 3099

Ion Ratio Lower Upper

153 100

152 52.7 39.5 59.3

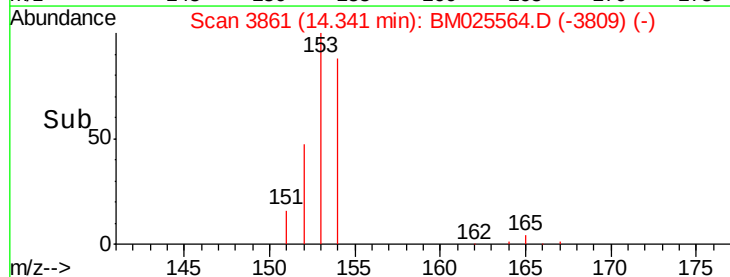
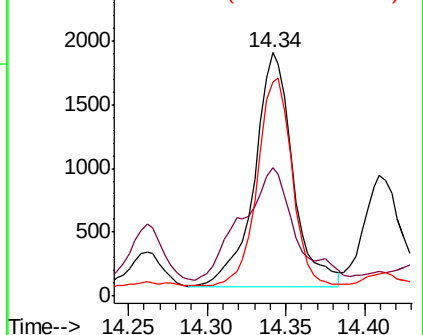
154 88.1 71.7 107.5

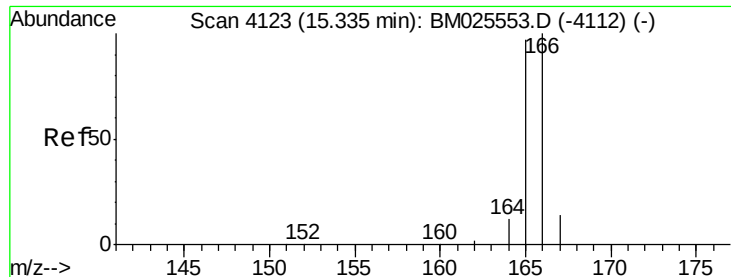


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.611 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

Instrument :

BNA_M

ClientSampleId :

C0AC6

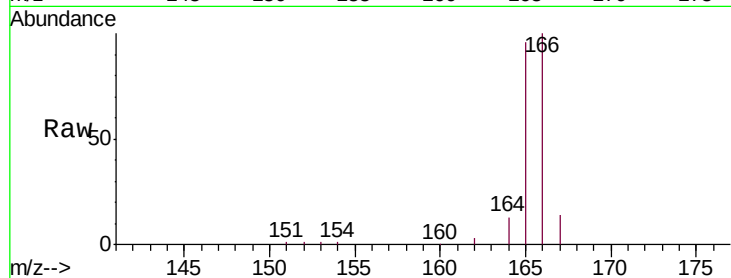
Tgt Ion:166 Resp: 27401

Ion Ratio Lower Upper

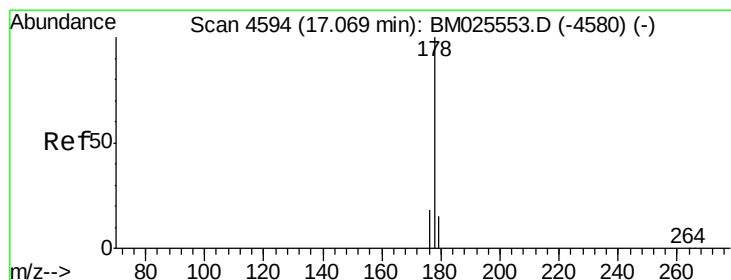
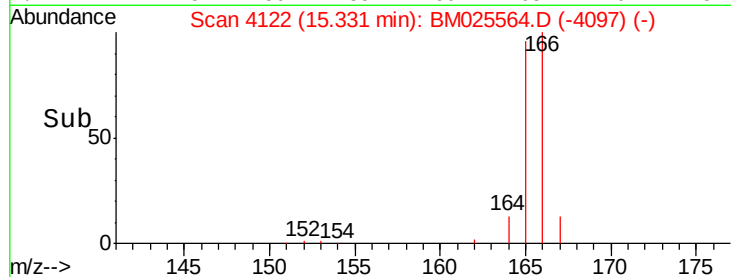
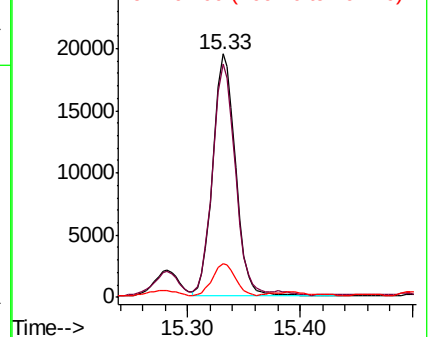
166 100

165 96.0 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



#12

Phenanthrene

Concen: 3.526 ng/ul

RT: 17.07 min Scan# 4593

Delta R.T. -0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

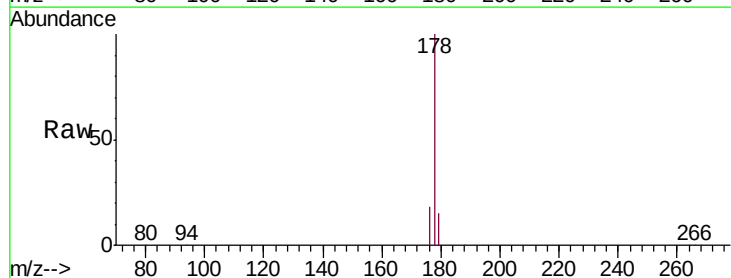
Tgt Ion:178 Resp: 225641

Ion Ratio Lower Upper

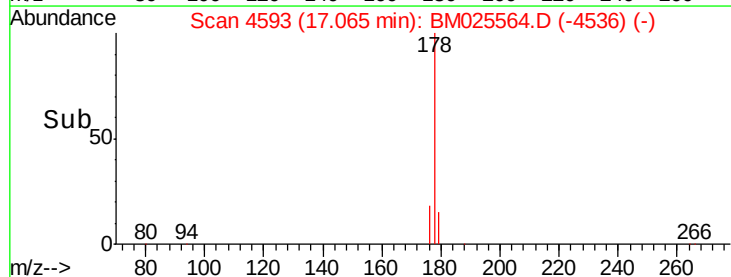
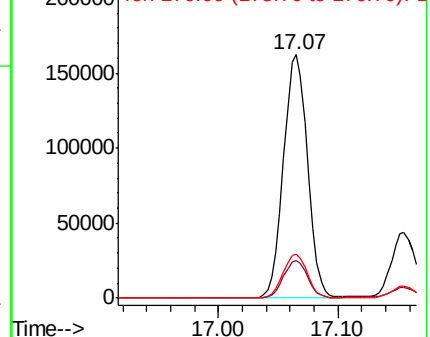
178 100

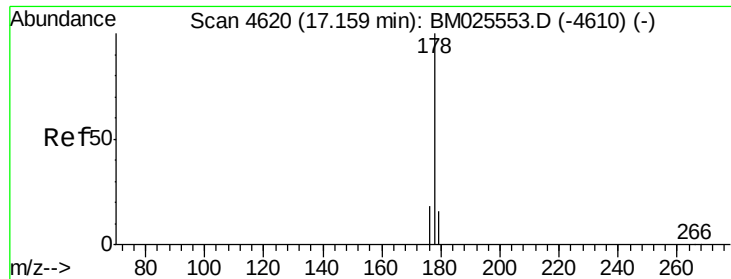
179 15.4 12.4 18.6

176 18.2 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: 1.080 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

Instrument :

BNA_M

ClientSampleId :

C0AC6

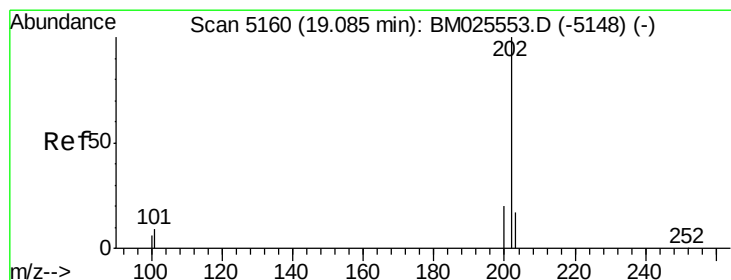
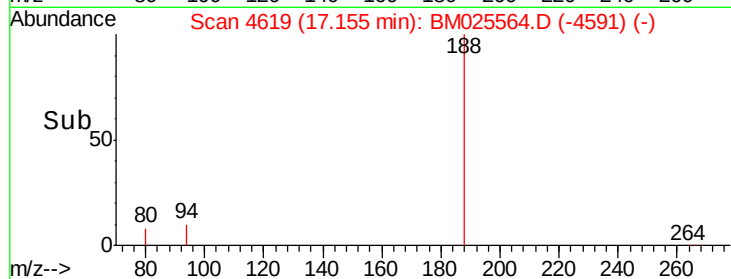
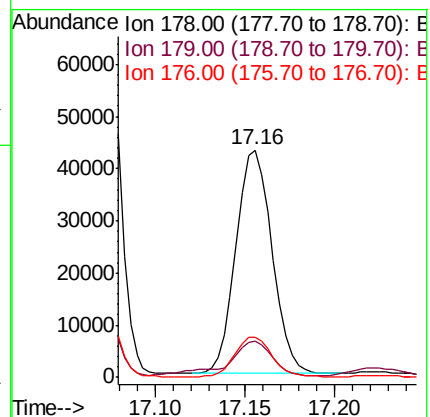
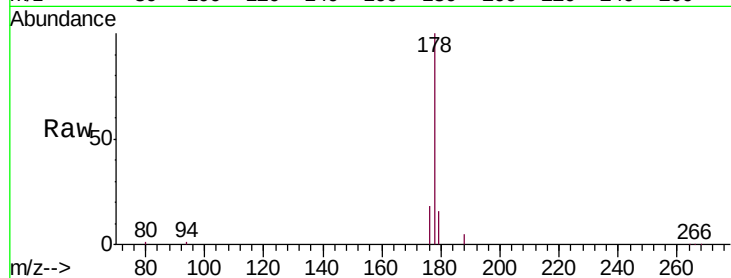
Tgt Ion:178 Resp: 60127

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

176 17.8 14.5 21.7



#15

Fluoranthene

Concen: 4.437 ng/ul

RT: 19.08 min Scan# 5160

Delta R.T. 0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

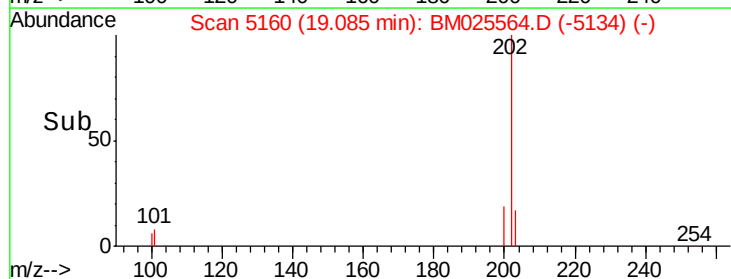
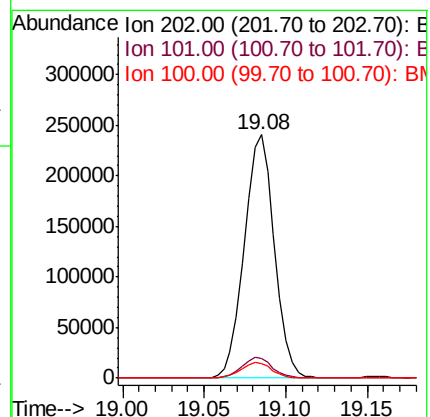
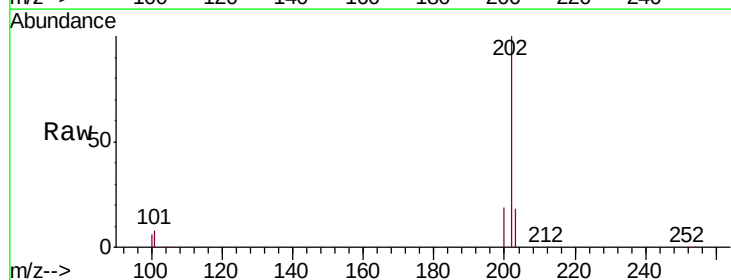
Tgt Ion:202 Resp: 307748

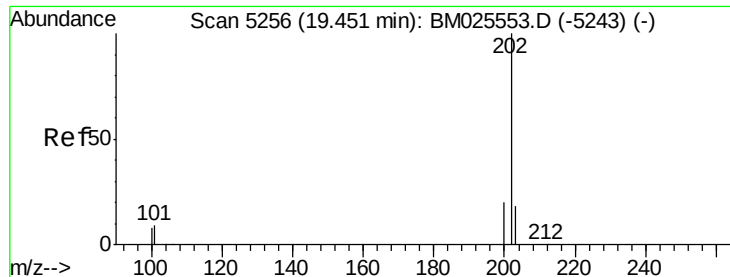
Ion Ratio Lower Upper

202 100

101 8.1 0.0 27.5

100 6.2 0.0 26.0

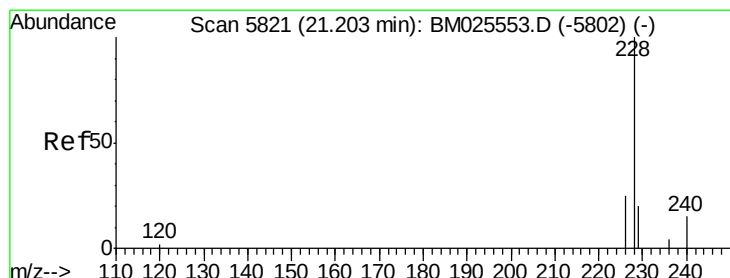
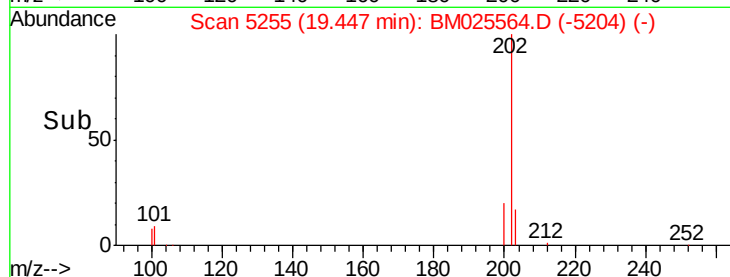
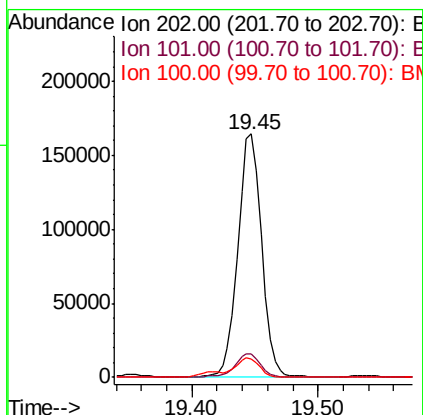
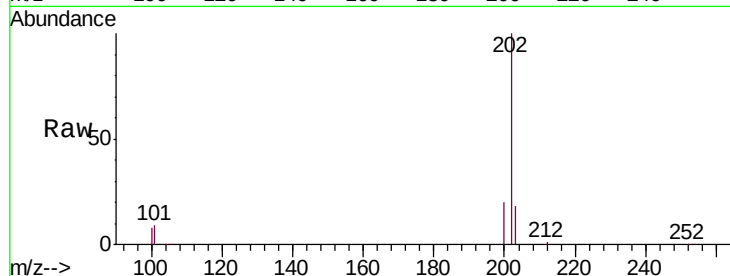




#17
 Pyrene
 Concen: 3.060 ng/ul
 RT: 19.45 min Scan# 5255
 Delta R.T. -0.00 min
 Lab File: BM025564.D
 Acq: 14 Mar 2020 05:38

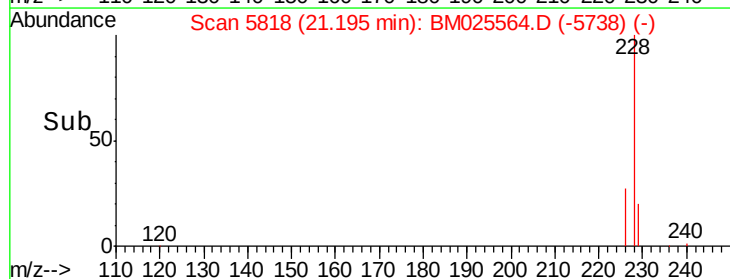
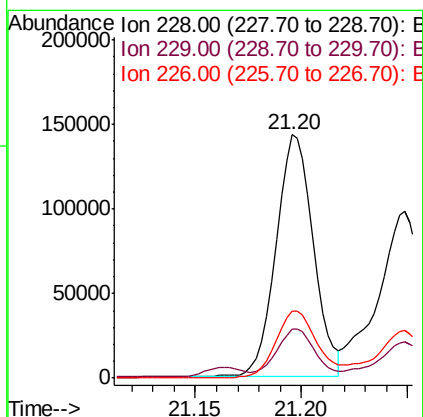
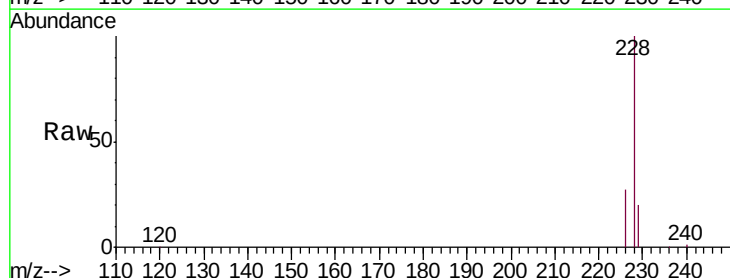
Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

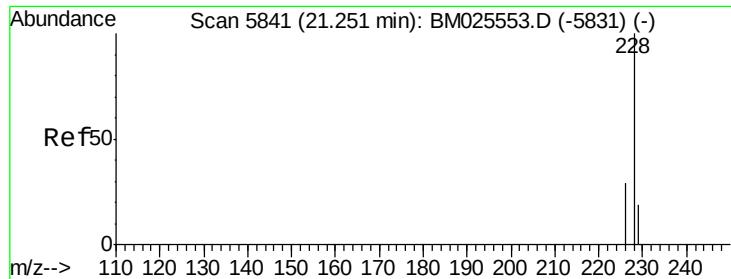
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.1	10.7
100	7.6	6.0	9.0



#18
 Benzo(a)anthracene
 Concen: 3.159 ng/ul
 RT: 21.20 min Scan# 5818
 Delta R.T. -0.01 min
 Lab File: BM025564.D
 Acq: 14 Mar 2020 05:38

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.6	23.4
226	27.5	21.1	31.7





#19

Chrysene

Concen: 2.287 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

Instrument :

BNA_M

ClientSampleId :

C0AC6

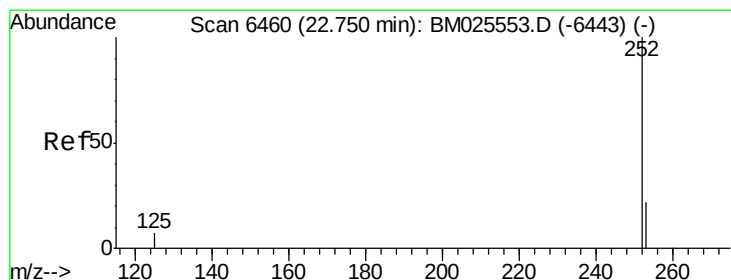
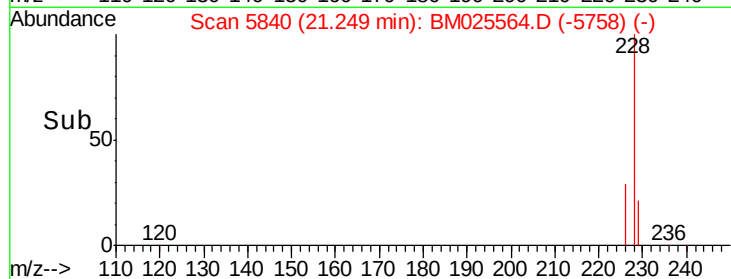
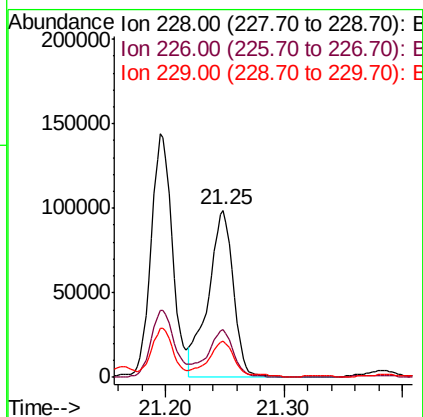
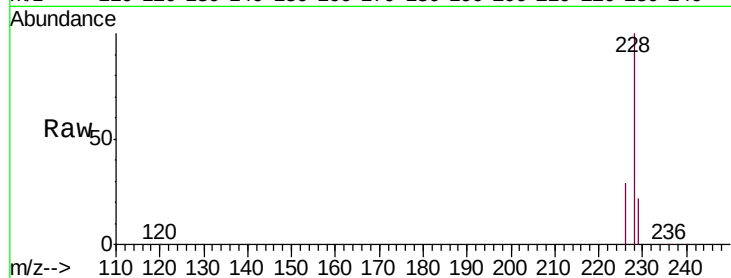
Tgt Ion:228 Resp: 143394

Ion Ratio Lower Upper

228 100

226 28.8 23.6 35.4

229 21.7 16.3 24.5



#21

Benzo(b)fluoranthene

Concen: 4.125 ng/ul

RT: 22.74 min Scan# 6458

Delta R.T. -0.00 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

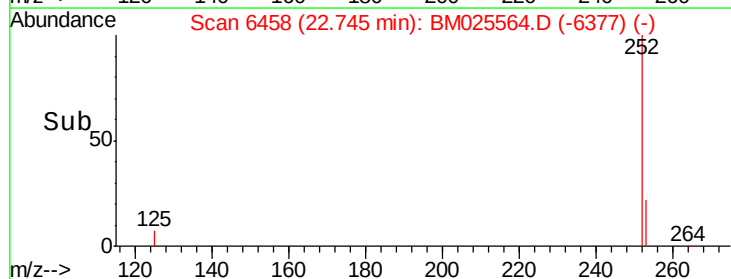
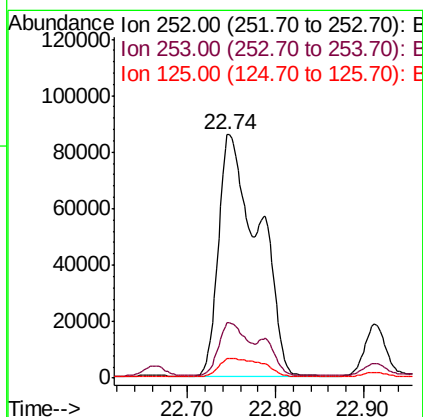
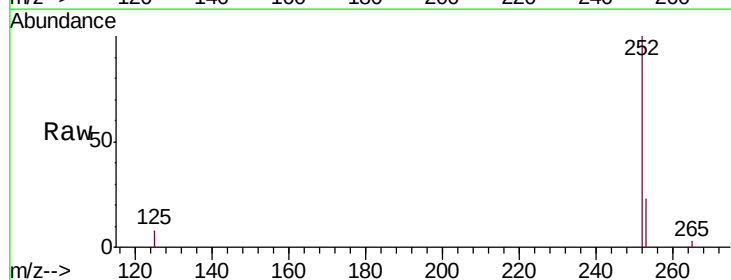
Tgt Ion:252 Resp: 268799

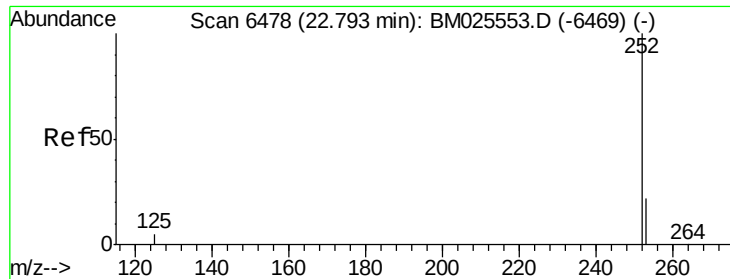
Ion Ratio Lower Upper

252 100

253 23.0 0.0 50.2

125 7.9 0.0 17.6





#22

Benzo(k)fluoranthene

Concen: 3.937 ng/ul

RT: 22.74 min Scan# 6458

Delta R.T. -0.05 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

Instrument :

BNA_M

ClientSampleId :

C0AC6

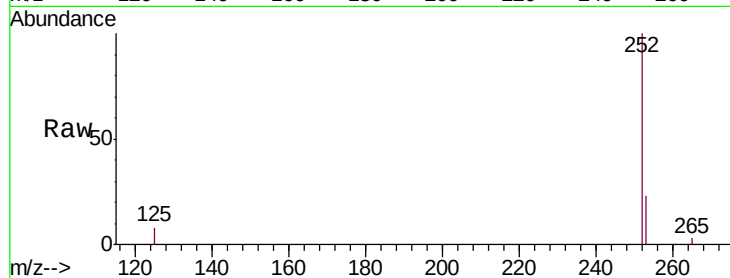
Tgt Ion:252 Resp: 268799

Ion Ratio Lower Upper

252 100

253 23.0 19.8 29.8

125 7.9 7.1 10.7

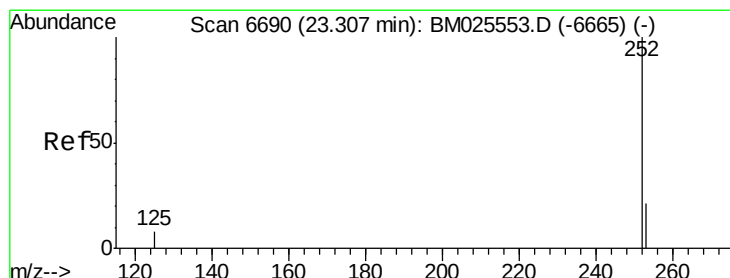
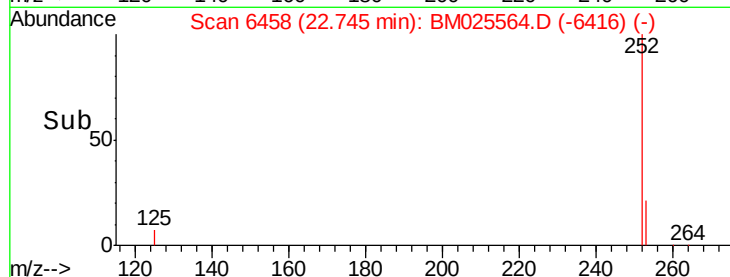
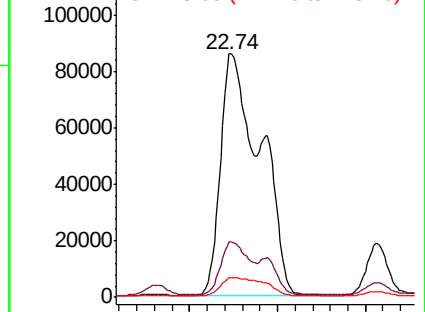


Abundance

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: 1.897 ng/ul

RT: 23.30 min Scan# 6687

Delta R.T. -0.01 min

Lab File: BM025564.D

Acq: 14 Mar 2020 05:38

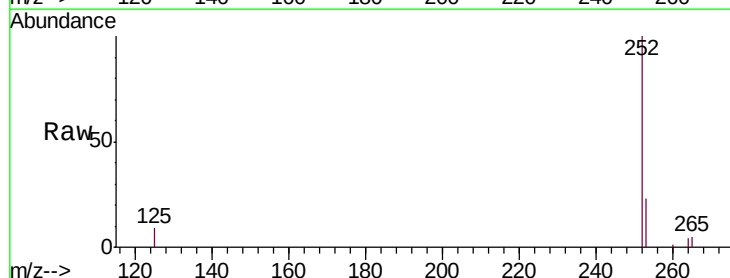
Tgt Ion:252 Resp: 102638

Ion Ratio Lower Upper

252 100

253 23.4 21.3 31.9

125 8.7 8.5 12.7

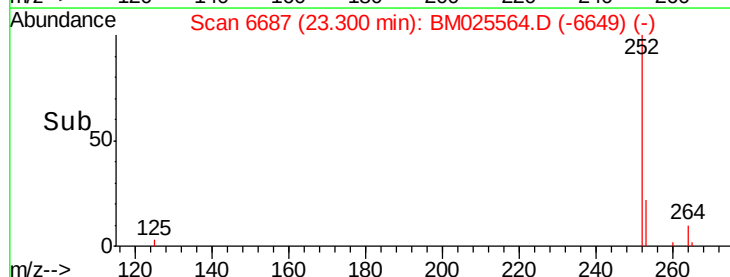
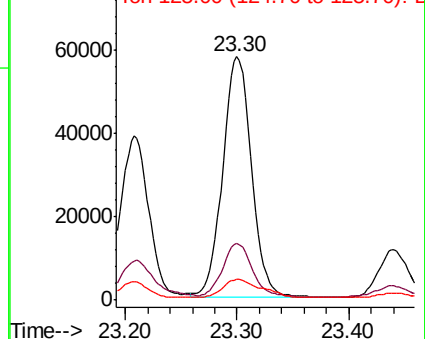


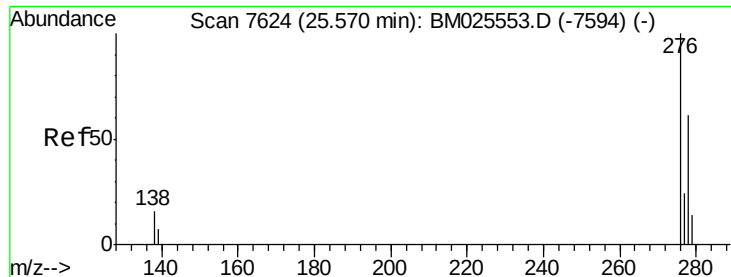
Abundance

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



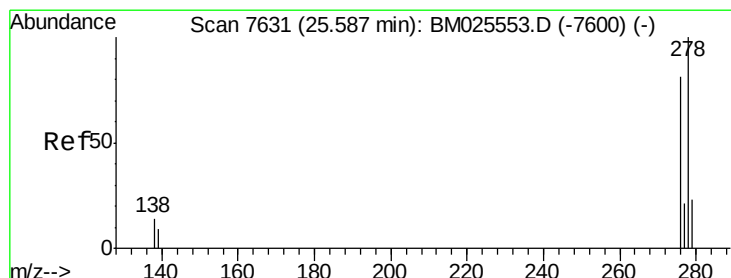
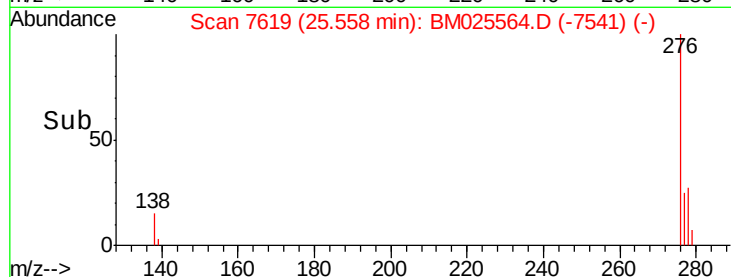
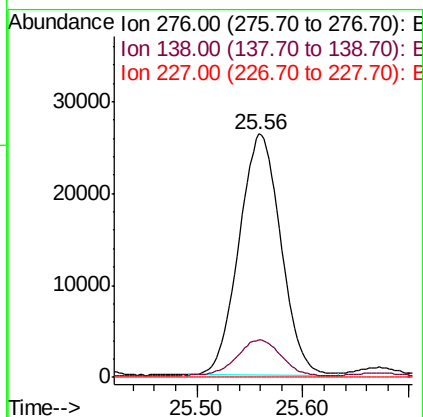
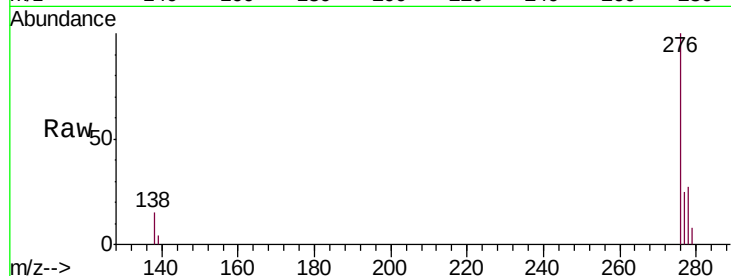


#24

Indeno(1,2,3-cd)pyrene
 Concen: 0.957 ng/ul
 RT: 25.56 min Scan# 7619
 Delta R.T. -0.01 min
 Lab File: BM025564.D
 Acq: 14 Mar 2020 05:38

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

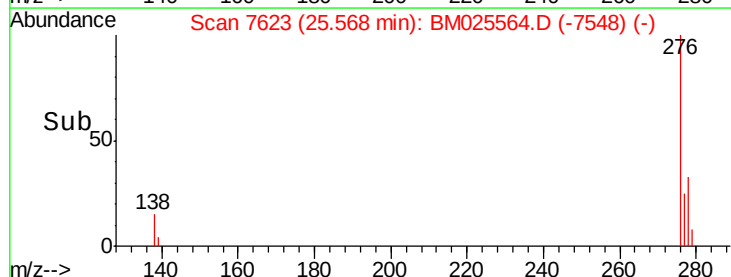
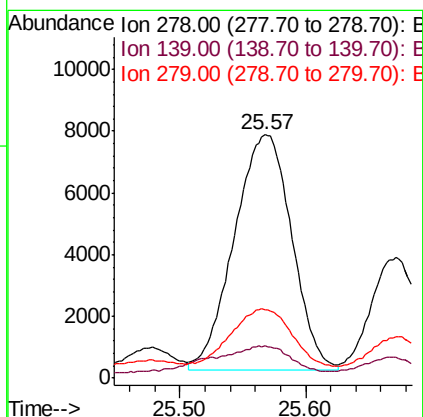
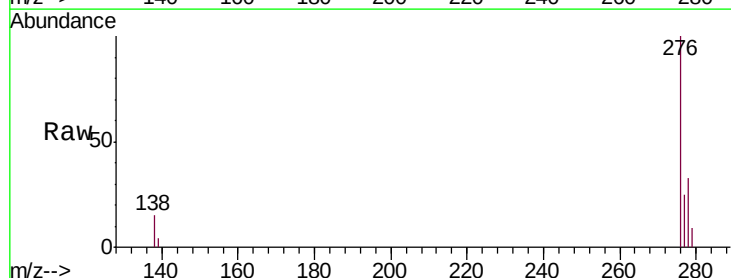
Tgt Ion: 276 Resp: 70240
 Ion Ratio Lower Upper
 276 100
 138 16.0 12.3 18.5
 227 0.0 0.0 0.0

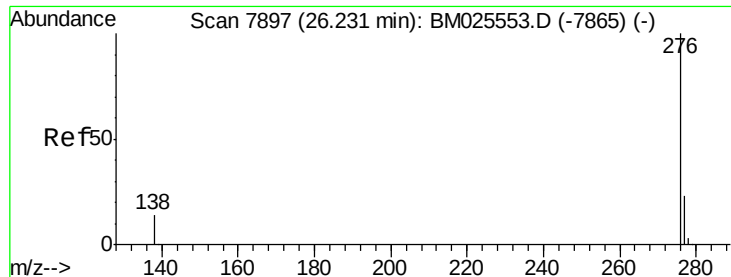


#25

Dibenzo(a,h)anthracene
 Concen: 0.394 ng/ul
 RT: 25.57 min Scan# 7623
 Delta R.T. -0.02 min
 Lab File: BM025564.D
 Acq: 14 Mar 2020 05:38

Tgt Ion: 278 Resp: 24343
 Ion Ratio Lower Upper
 278 100
 139 13.2 9.0 13.6
 279 28.2 21.1 31.7





#26

Benzo(g,h,i)perylene

Concen: 0.599 ng/ul

RT: 26.22 min Scan# 7892

Delta R.T. -0.01 min

Lab File: BM025564.D

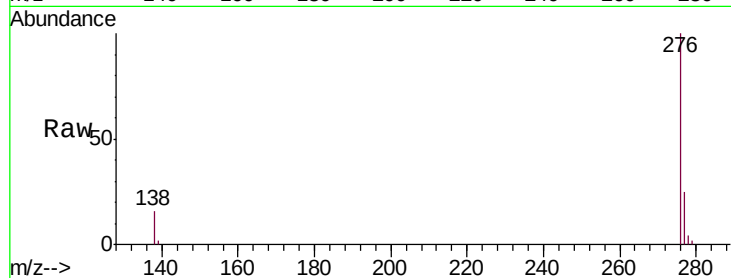
Acq: 14 Mar 2020 05:38

Instrument :

BNA_M

ClientSampleId :

C0AC6



Tgt Ion: 276 Resp: 38134

Ion Ratio Lower Upper

276 100

138 15.8 11.0 16.4

277 24.6 19.8 29.6

