

Data File : BM025168.D
Acq On : 29 Feb 2020 15:06
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.497

Quant Time: Mar 02 01:18:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 01:15:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	2777	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	10818	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	6806	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	15682	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	16248	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	17875	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	7900	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	21380	0.40	ng/ul	0.00

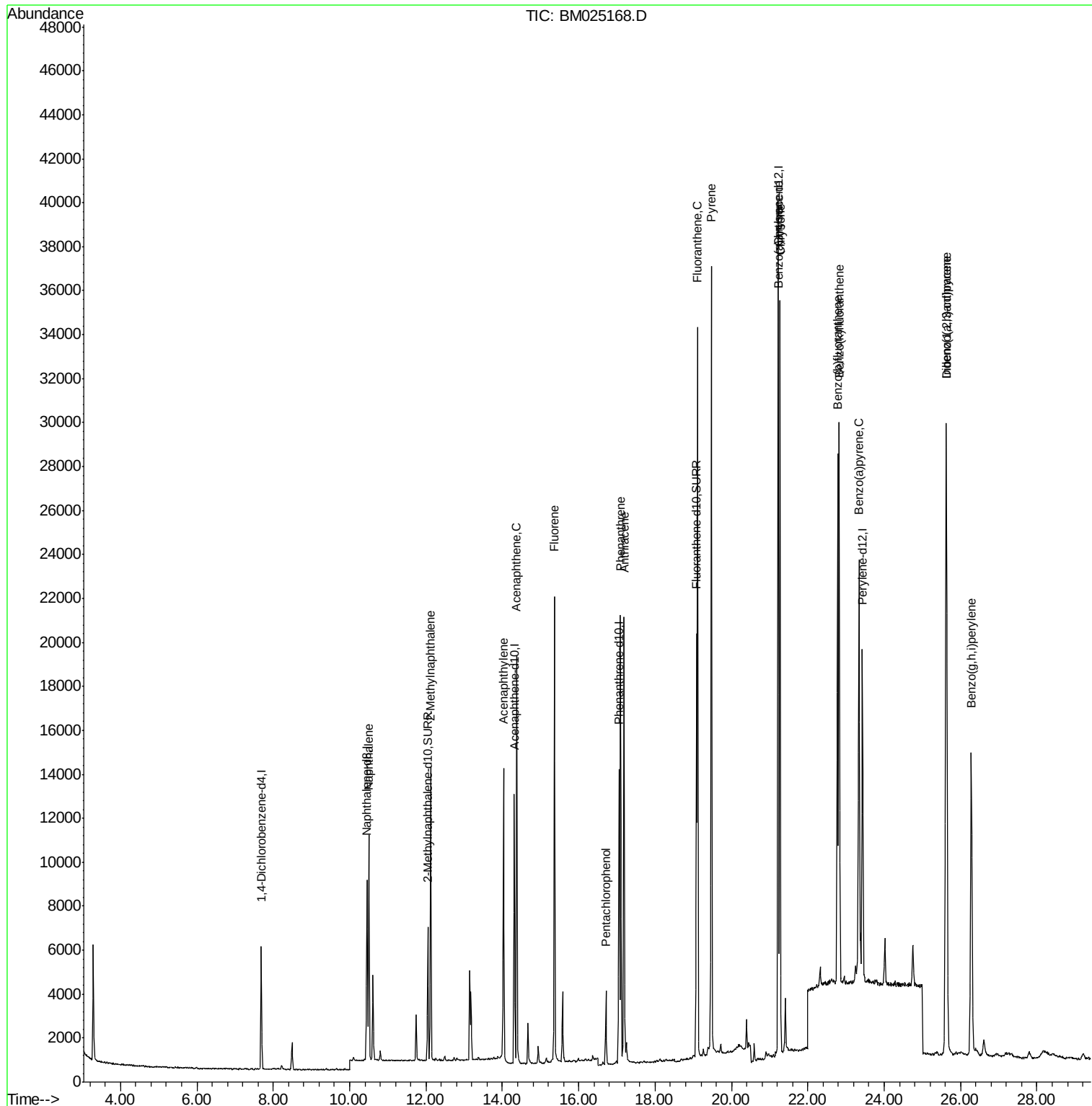
Target Compounds					Qvalue	
3) Naphthalene	10.50	128	13393	0.407	ng/ul#	83
5) 2-Methylnaphthalene	12.12	142	9287	0.391	ng/ul	100
7) Acenaphthylene	14.03	152	16473	0.420	ng/ul	95
8) Acenaphthene	14.37	153	10344	0.392	ng/ul	99
9) Fluorene	15.36	166	13240	0.400	ng/ul	95
11) Pentachlorophenol	16.71	266	2304	0.481	ng/ul	99
12) Phenanthrene	17.09	178	21537	0.390	ng/ul	97
13) Anthracene	17.18	178	21605	0.404	ng/ul	96
15) Fluoranthene	19.11	202	28216	0.352	ng/ul	98
17) Pyrene	19.47	202	30319	0.414	ng/ul	98
18) Benzo(a)anthracene	21.22	228	28612	0.408	ng/ul	99
19) Chrysene	21.27	228	27985	0.400	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	30032	0.429	ng/ul	95
22) Benzo(k)fluoranthene	22.82	252	29497	0.425	ng/ul	98
23) Benzo(a)pyrene	23.34	252	26887	0.420	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.62	276	34212	0.427	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.63	278	27801	0.413	ng/ul	98
26) Benzo(g,h,i)perylene	26.28	276	27885	0.413	ng/ul#	93

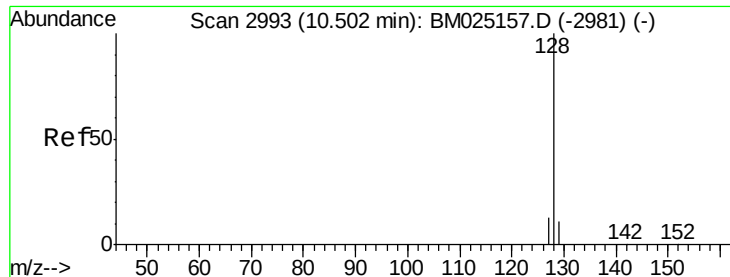
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.407 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.497

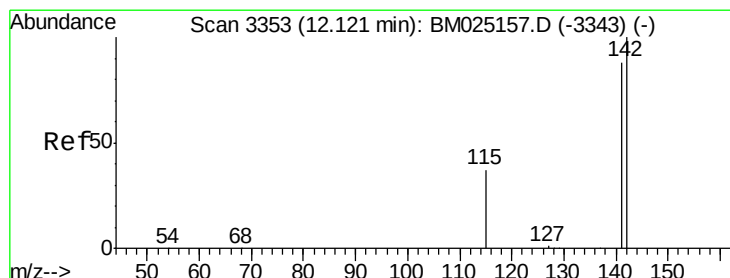
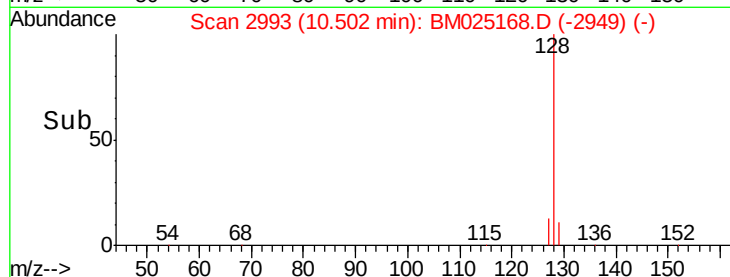
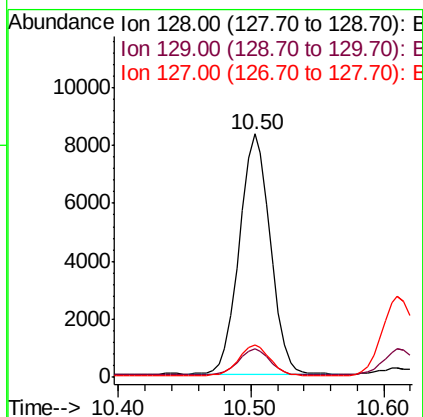
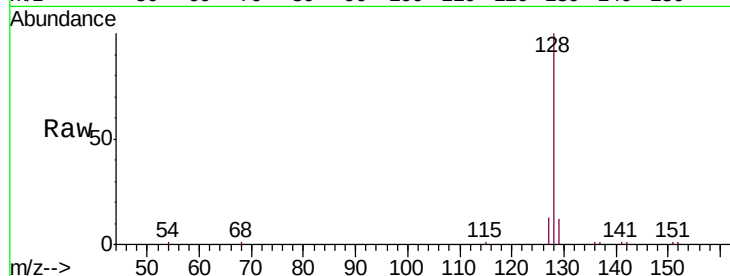
Tgt Ion:128 Resp: 13393

Ion Ratio Lower Upper

128 100

129 11.7 17.0 25.6#

127 13.3 15.7 23.5#



#5

2-Methylnaphthalene

Concen: 0.391 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. 0.00 min

Lab File: BM025168.D

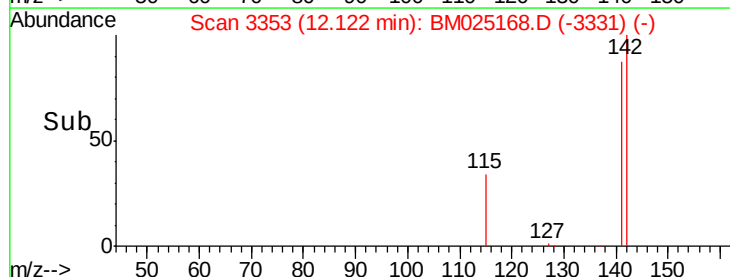
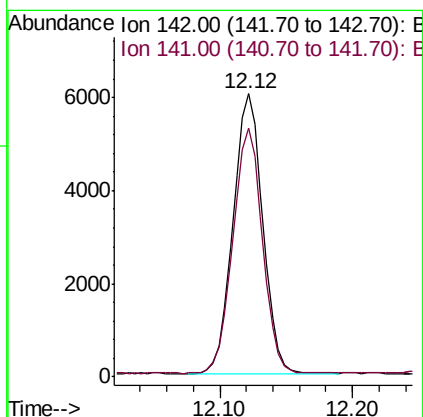
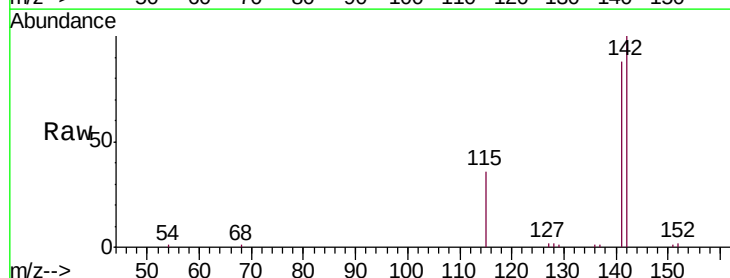
Acq: 29 Feb 2020 15:06

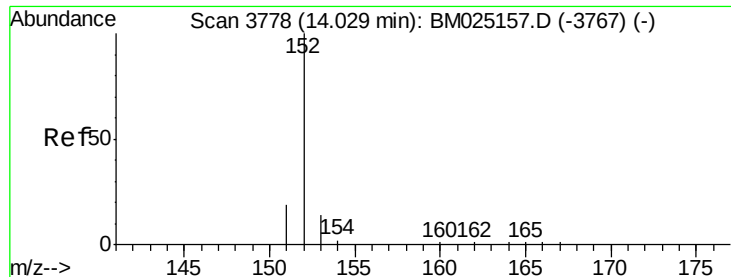
Tgt Ion:142 Resp: 9287

Ion Ratio Lower Upper

142 100

141 87.2 69.8 104.8





#7

Acenaphthylene

Concen: 0.420 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.497

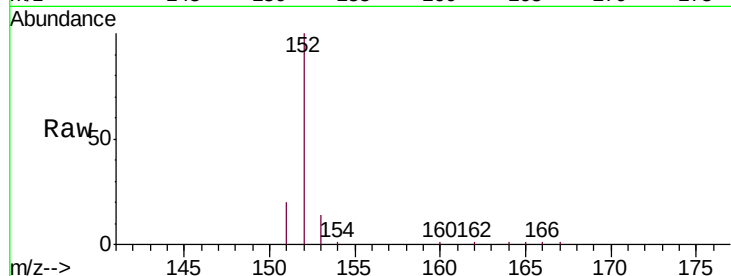
Tgt Ion:152 Resp: 16473

Ion Ratio Lower Upper

152 100

151 20.4 17.8 26.8

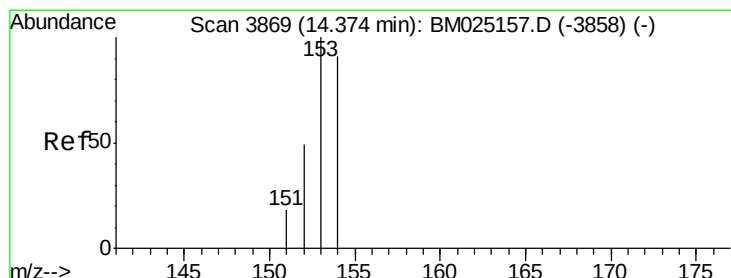
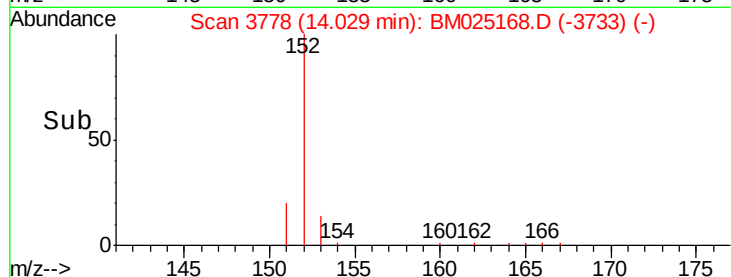
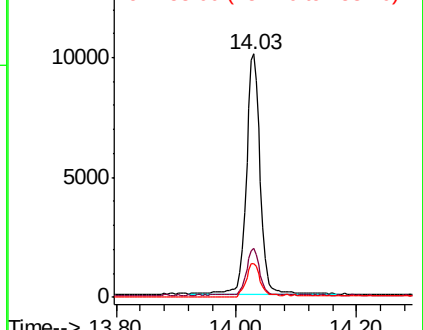
153 13.9 13.3 19.9



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: 0.392 ng/ul

RT: 14.37 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

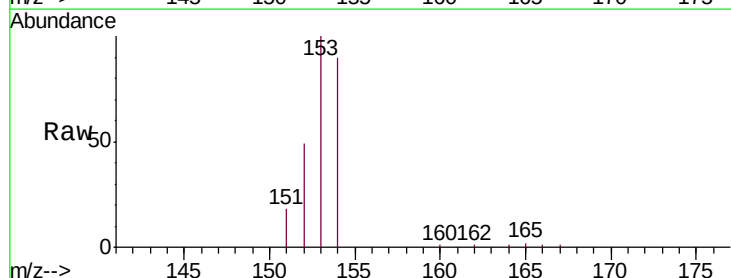
Tgt Ion:153 Resp: 10344

Ion Ratio Lower Upper

153 100

152 48.9 40.0 60.0

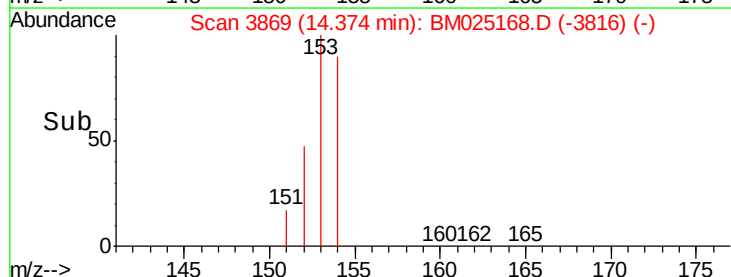
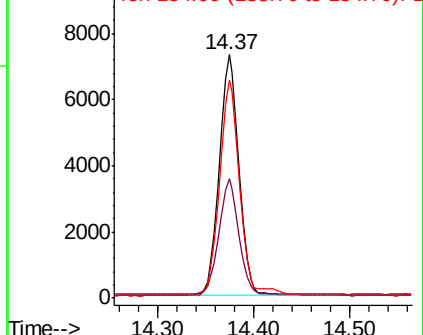
154 89.5 71.0 106.6

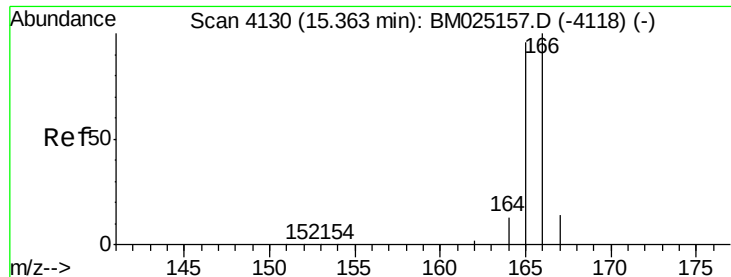


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.400 ng/ul

RT: 15.36 min Scan# 4130

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.497

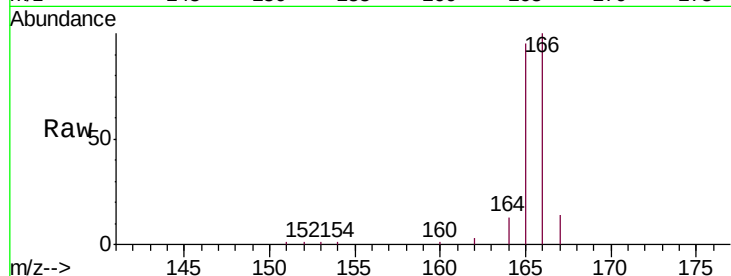
Tgt Ion:166 Resp: 13240

Ion Ratio Lower Upper

166 100

165 95.1 80.0 120.0

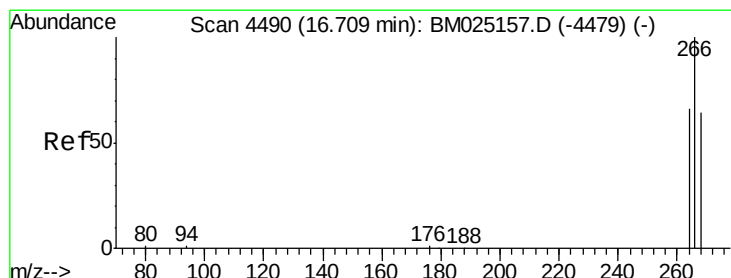
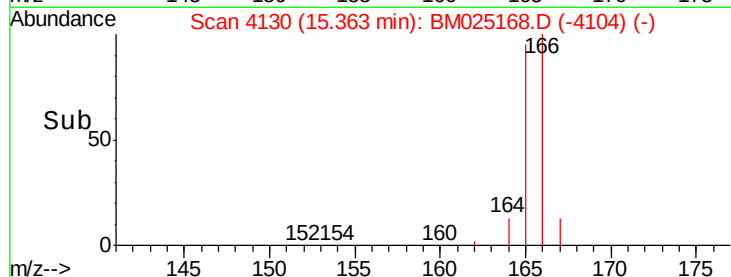
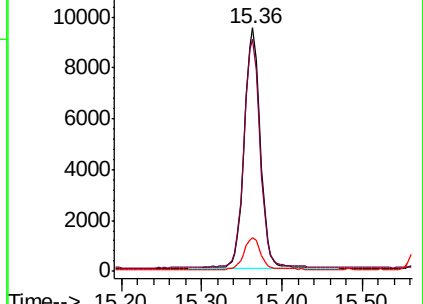
167 13.9 13.7 20.5



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: 0.481 ng/ul

RT: 16.71 min Scan# 4490

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

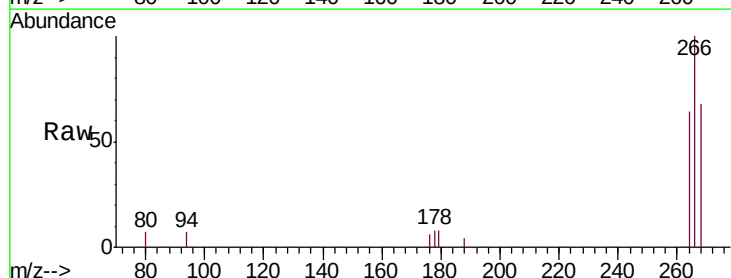
Tgt Ion:266 Resp: 2304

Ion Ratio Lower Upper

266 100

264 63.3 49.8 74.6

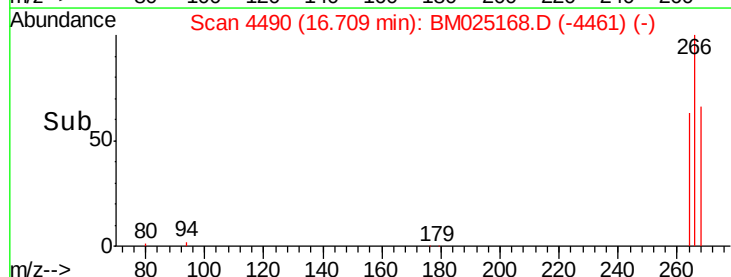
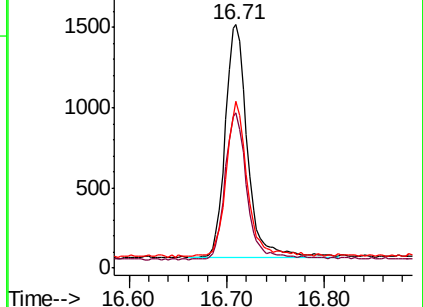
268 61.6 49.0 73.4

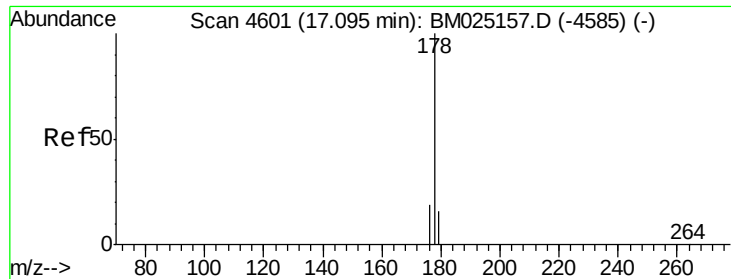


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.390 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.497

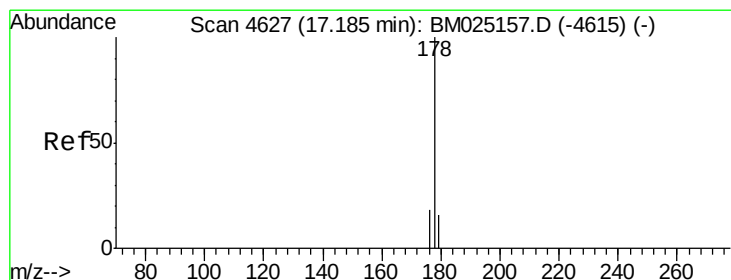
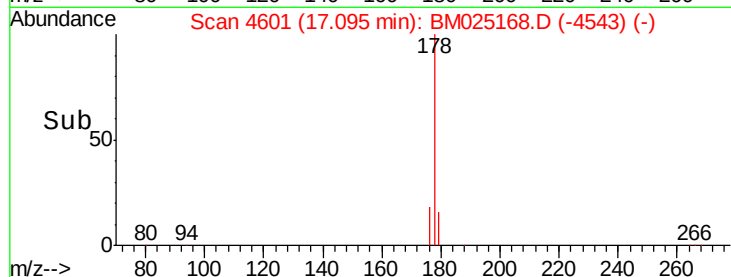
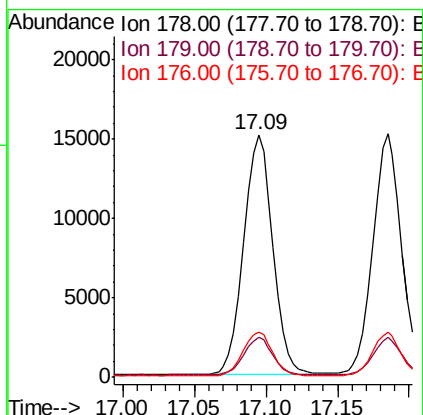
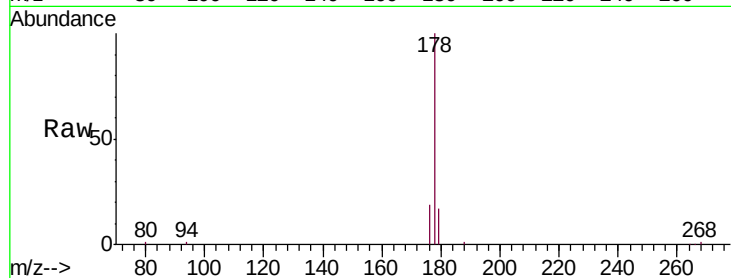
Tgt Ion:178 Resp: 21537

Ion Ratio Lower Upper

178 100

179 16.5 14.0 21.0

176 18.8 16.6 24.8



#13

Anthracene

Concen: 0.404 ng/ul

RT: 17.18 min Scan# 4627

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

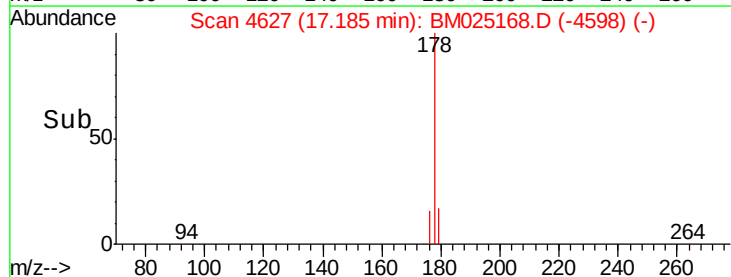
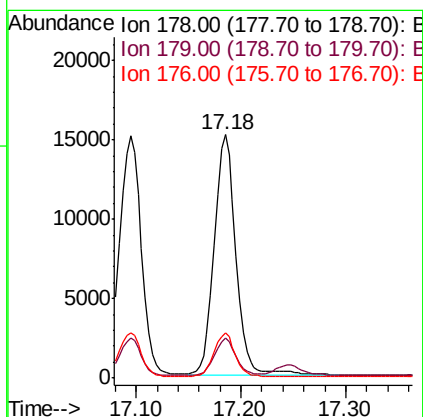
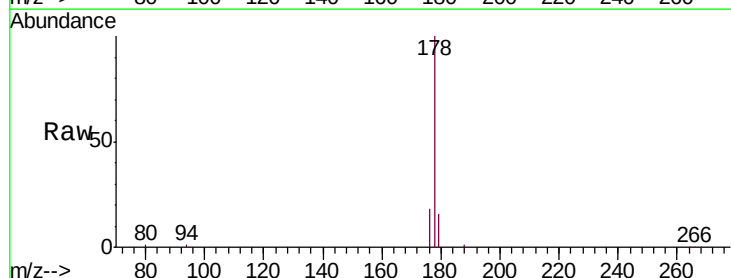
Tgt Ion:178 Resp: 21605

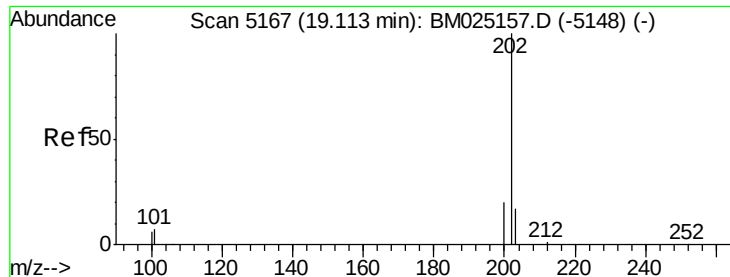
Ion Ratio Lower Upper

178 100

179 16.5 14.1 21.1

176 18.3 16.2 24.4

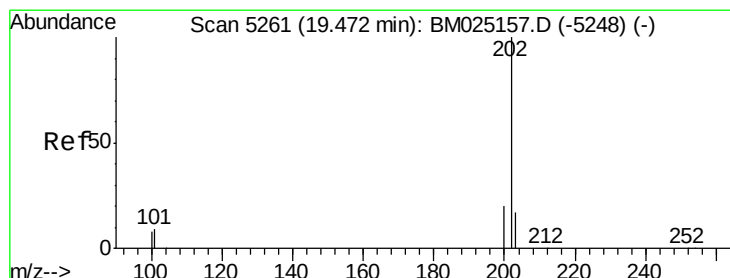
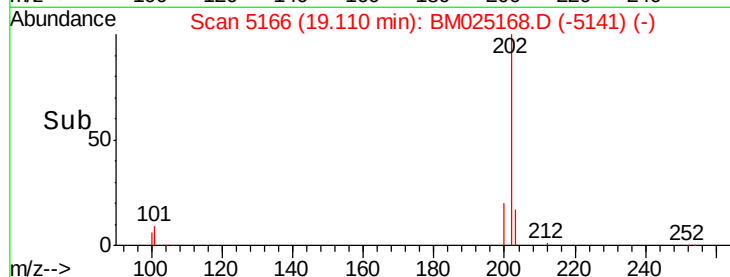
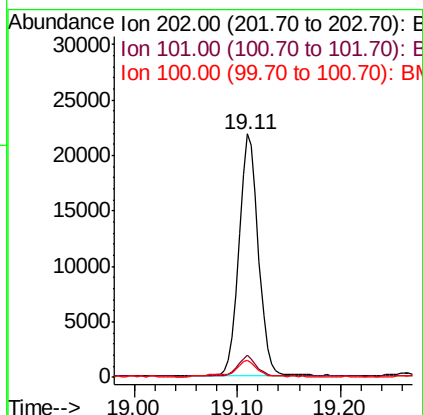
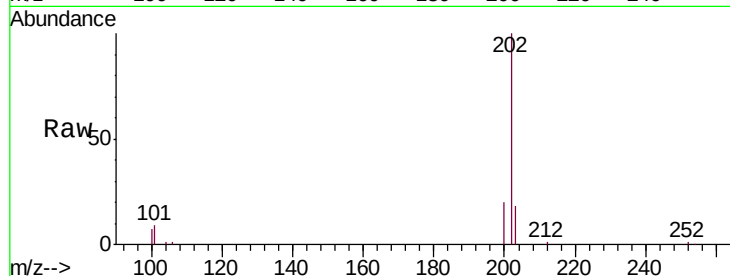




#15
 Fluoranthene
 Concen: 0.352 ng/ul
 RT: 19.11 min Scan# 5166
 Delta R.T. -0.00 min
 Lab File: BM025168.D
 Acq: 29 Feb 2020 15:06

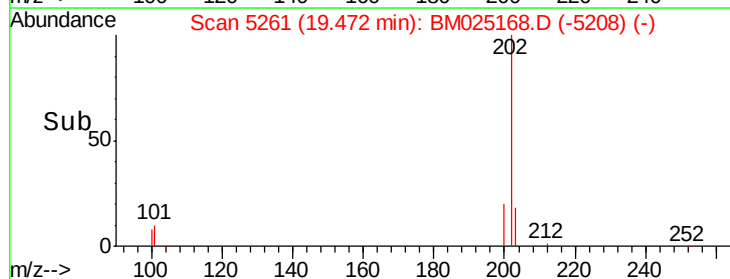
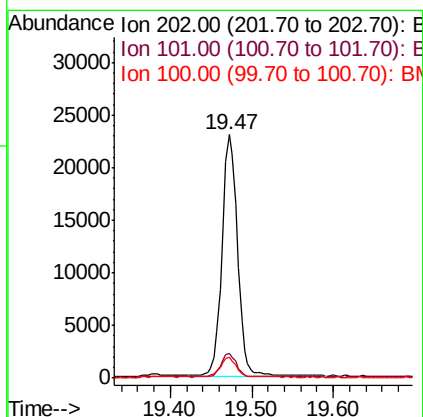
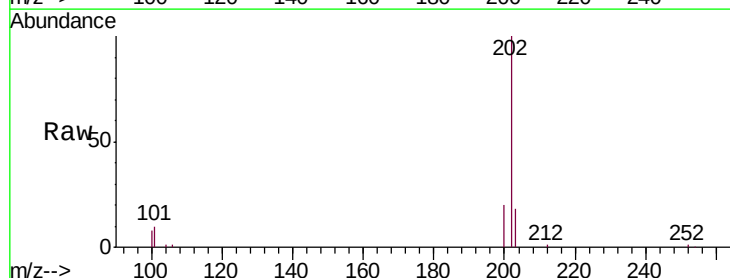
Instrument :
 BNA_M
 ClientSampleId :
 SST0.497

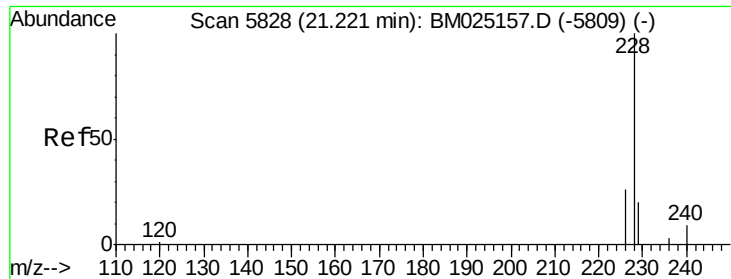
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	29.4
100	6.8	0.0	28.0



#17
 Pyrene
 Concen: 0.414 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. 0.00 min
 Lab File: BM025168.D
 Acq: 29 Feb 2020 15:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.7	13.1
100	8.3	7.3	10.9





#18

Benzo(a)anthracene

Concen: 0.408 ng/ul

RT: 21.22 min Scan# 5828

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.497

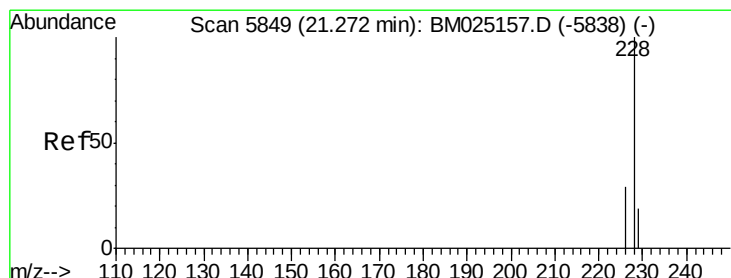
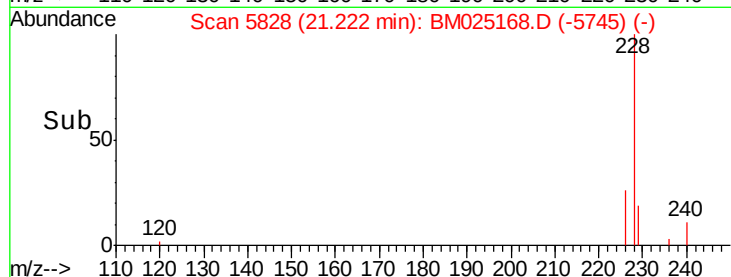
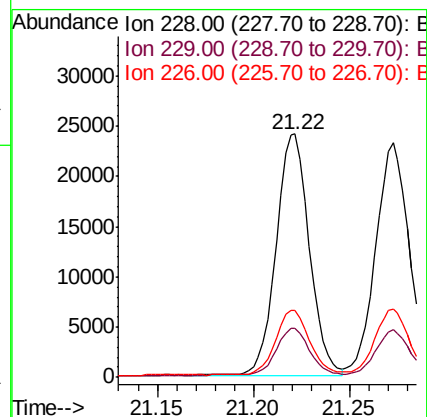
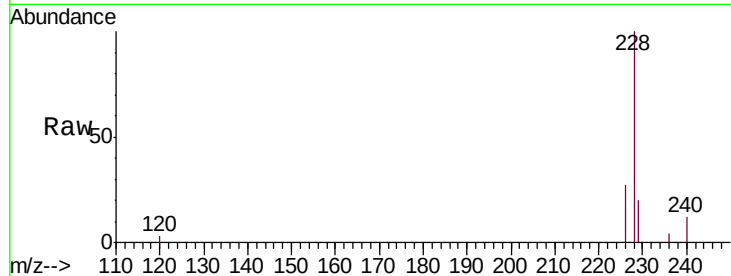
Tgt Ion:228 Resp: 28612

Ion Ratio Lower Upper

228 100

229 19.9 16.6 25.0

226 27.3 21.9 32.9



#19

Chrysene

Concen: 0.400 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

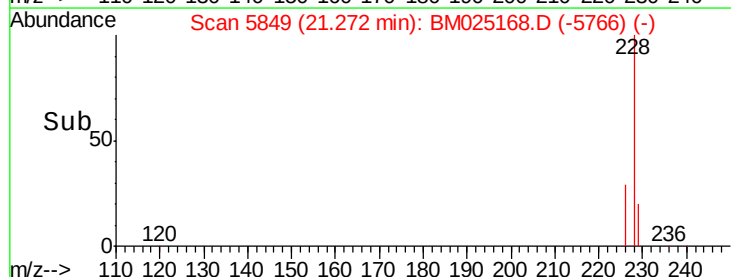
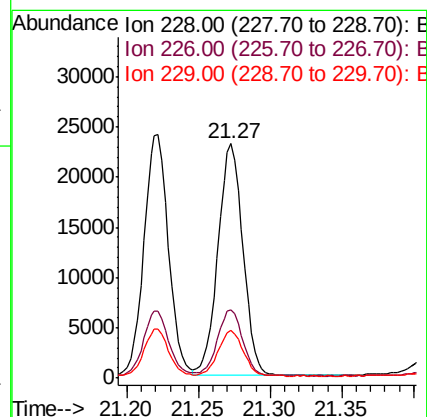
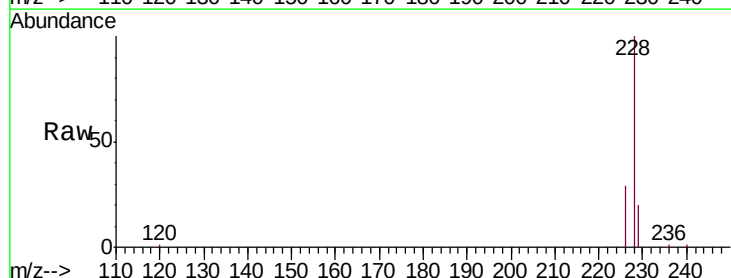
Tgt Ion:228 Resp: 27985

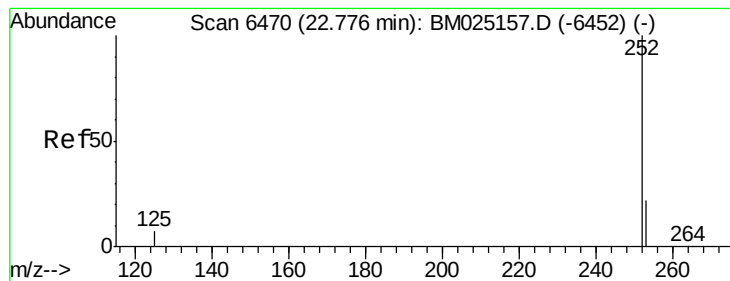
Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 20.4 16.9 25.3





#21

Benzo(b)fluoranthene

Concen: 0.429 ng/ul

RT: 22.78 min Scan# 6471

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.497

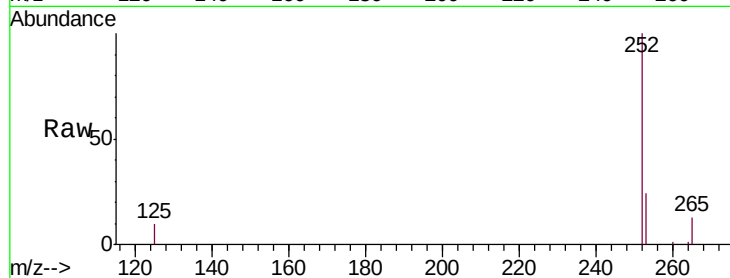
Tgt Ion:252 Resp: 30032

Ion Ratio Lower Upper

252 100

253 24.5 0.0 49.8

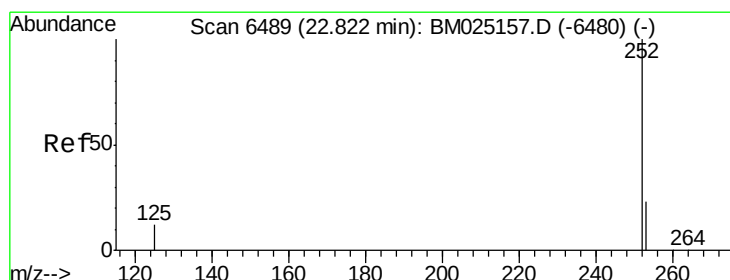
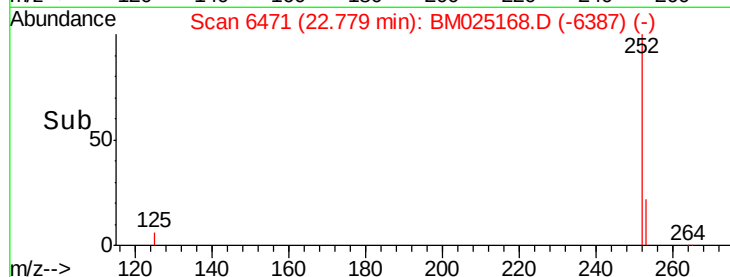
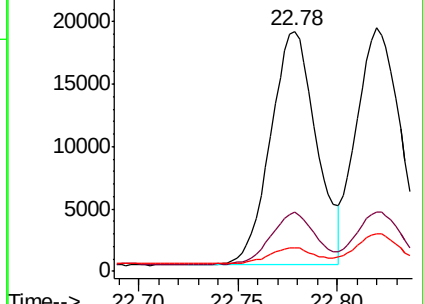
125 9.8 0.0 28.6



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: 0.425 ng/ul

RT: 22.82 min Scan# 6488

Delta R.T. -0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

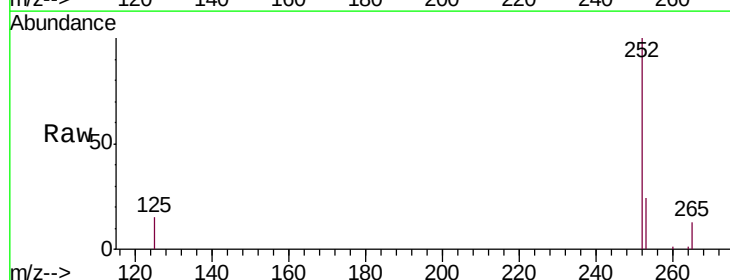
Tgt Ion:252 Resp: 29497

Ion Ratio Lower Upper

252 100

253 24.1 19.4 29.0

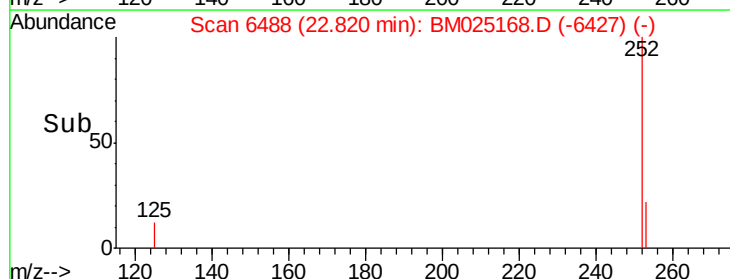
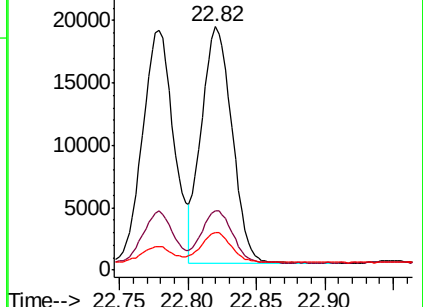
125 15.4 10.7 16.1

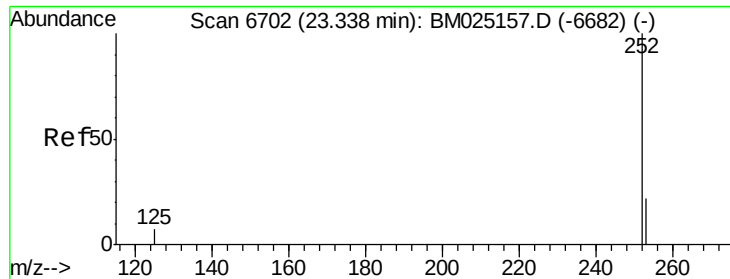


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.420 ng/ul

RT: 23.34 min Scan# 6701

Delta R.T. -0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.497

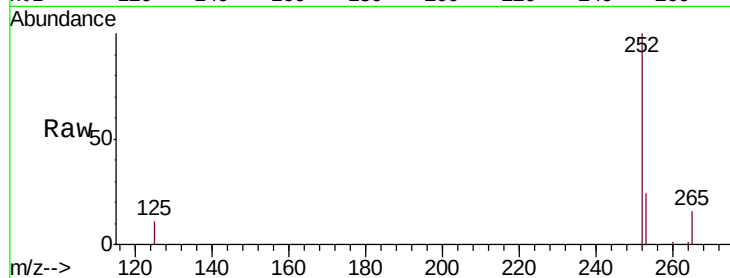
Tgt Ion:252 Resp: 26887

Ion Ratio Lower Upper

252 100

253 24.3 20.3 30.5

125 11.5 13.0 19.4#

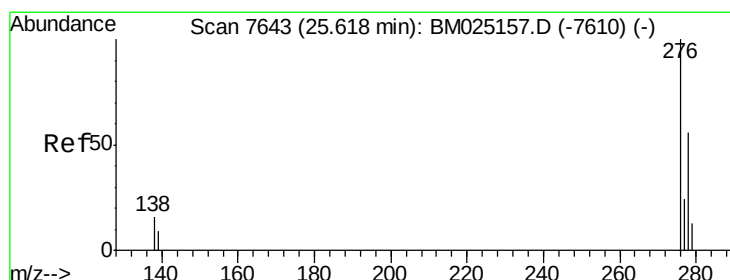
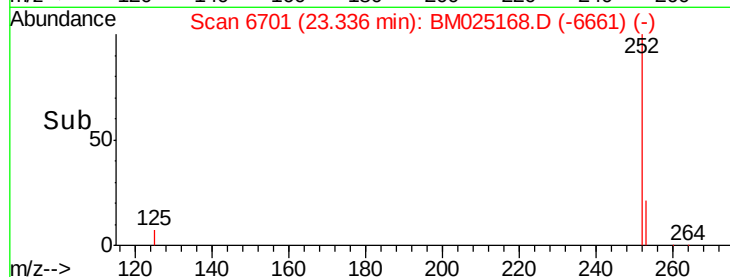
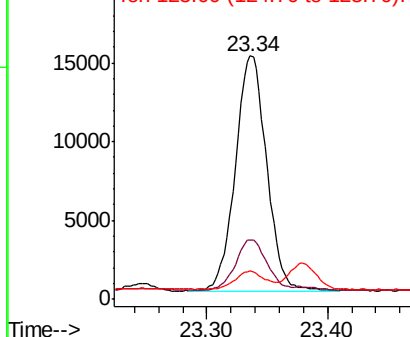


Abundance

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: 0.427 ng/ul

RT: 25.62 min Scan# 7643

Delta R.T. 0.00 min

Lab File: BM025168.D

Acq: 29 Feb 2020 15:06

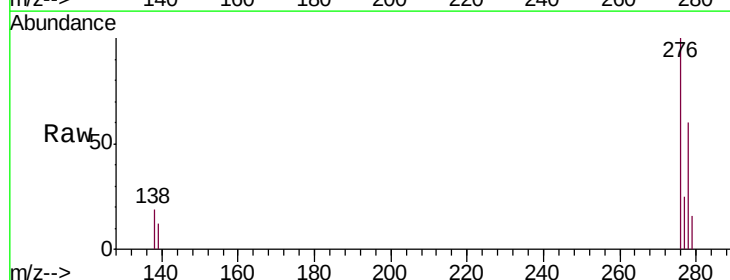
Tgt Ion:276 Resp: 34212

Ion Ratio Lower Upper

276 100

138 18.1 0.0 0.0#

227 0.0 0.0 0.0

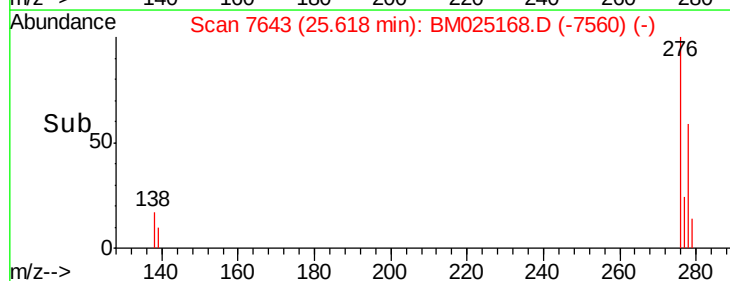
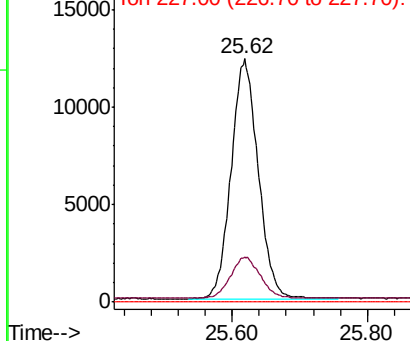


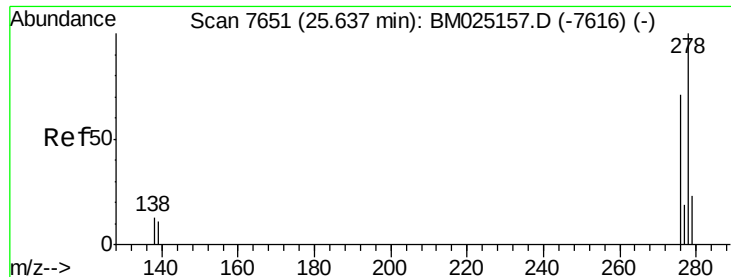
Abundance

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



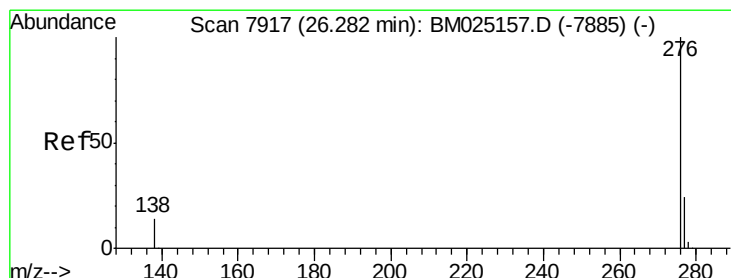
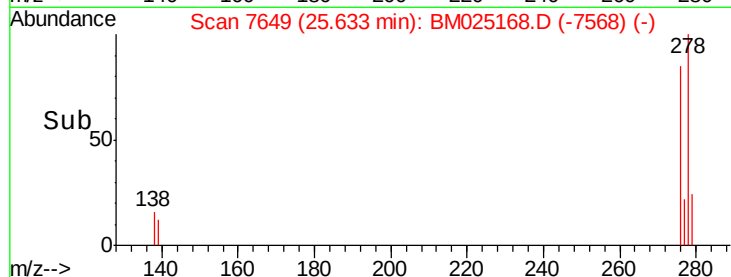
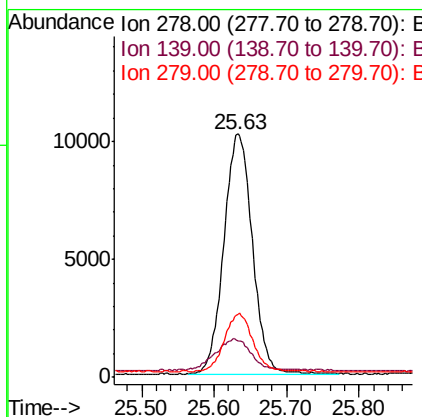
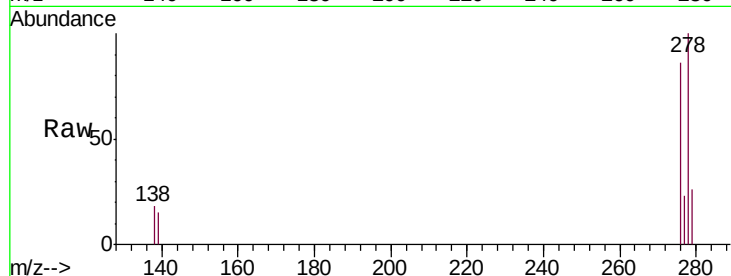


#25
Dibenzo(a,h)anthracene
Concen: 0.413 ng/ul
RT: 25.63 min Scan# 7649
Delta R.T. -0.00 min
Lab File: BM025168.D
Acq: 29 Feb 2020 15:06

Instrument :
BNA_M
ClientSampleId :
SSTD0.497

Tgt Ion: 278 Resp: 27801

Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.2	19.8
279	25.8	21.0	31.4



#26
Benzo(g,h,i)perylene
Concen: 0.413 ng/ul
RT: 26.28 min Scan# 7916
Delta R.T. -0.00 min
Lab File: BM025168.D
Acq: 29 Feb 2020 15:06

Tgt Ion: 276 Resp: 27885

Ion	Ratio	Lower	Upper
276	100		
138	16.4	17.9	26.9#
277	24.6	20.5	30.7

