

Data File : BM025182.D
Acq On : 29 Feb 2020 23:29
Operator : CG/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.498

Quant Time: Mar 02 02:11:37 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 02:08:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	12153	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	50849	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	34793	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	83250	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	92341	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	93287	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	7557	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	18986	0.07	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.50	128	58941	0.381	ng/ul#	82
5) 2-Methylnaphthalene	12.12	142	43485	0.389	ng/ul	100
7) Acenaphthylene	14.03	152	72963	0.364	ng/ul#	93
8) Acenaphthene	14.38	153	50101	0.372	ng/ul	98
9) Fluorene	15.36	166	62135	0.367	ng/ul#	96
11) Pentachlorophenol	16.71	266	10940	0.430	ng/ul	99
12) Phenanthrene	17.09	178	104772	0.358	ng/ul	95
13) Anthracene	17.18	178	102749	0.362	ng/ul	95
15) Fluoranthene	19.11	202	130778	0.307	ng/ul	95
17) Pyrene	19.47	202	138808	0.334	ng/ul	95
18) Benzo(a)anthracene	21.22	228	140422	0.352	ng/ul	97
19) Chrysene	21.27	228	140593	0.354	ng/ul	97
21) Benzo(b)fluoranthene	22.78	252	143862	0.393	ng/ul	90
22) Benzo(k)fluoranthene	22.82	252	147718	0.408	ng/ul#	92
23) Benzo(a)pyrene	23.33	252	131592	0.394	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.61	276	168931	0.404	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.63	278	140761	0.400	ng/ul#	92
26) Benzo(g,h,i)perylene	26.28	276	140252	0.398	ng/ul#	90

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

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ClientSampleId :

SSTD0.498

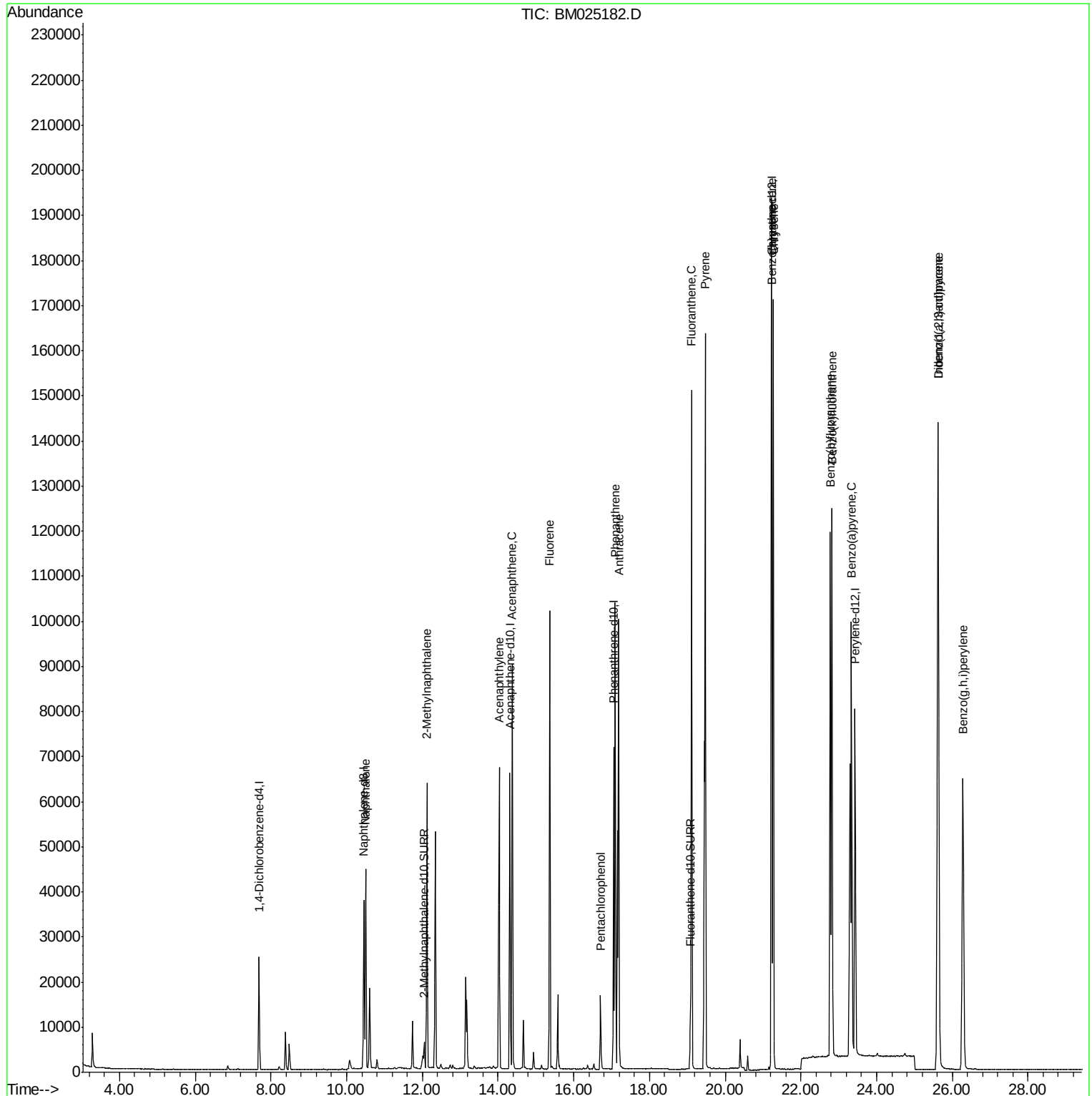
Quant Time: Mar 02 02:11:37 2020

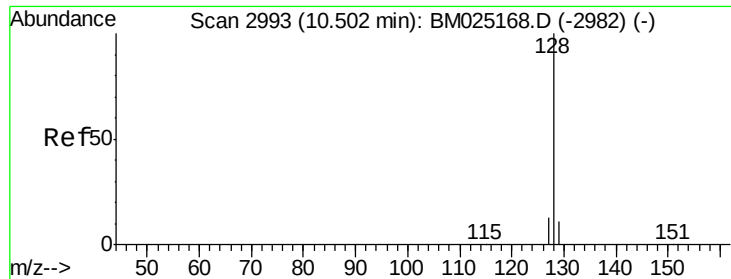
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM022420.M

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#3

Naphthalene

Concen: 0.381 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.498

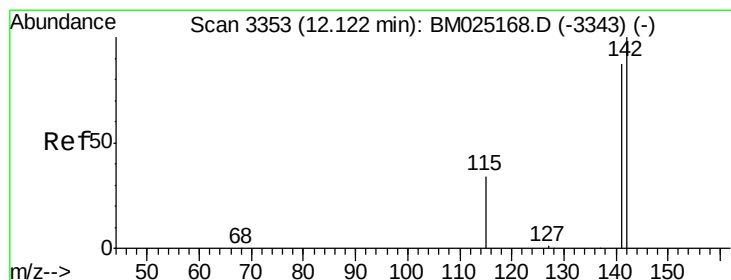
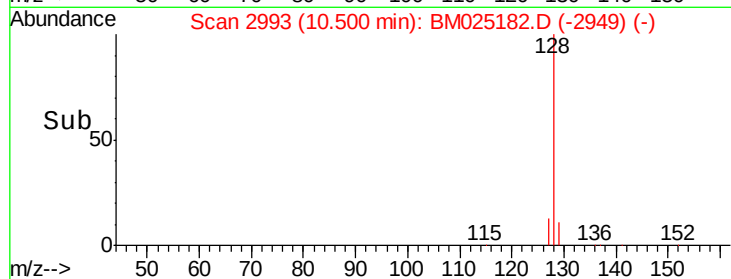
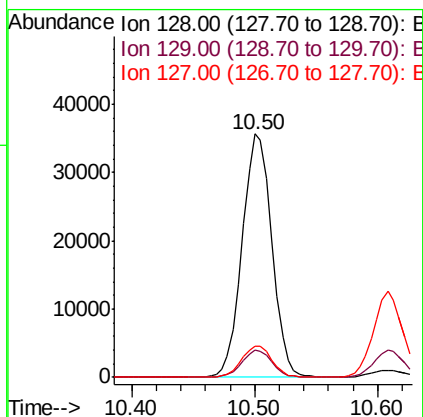
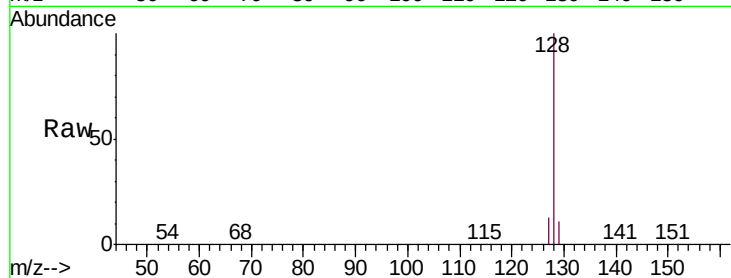
Tgt Ion:128 Resp: 58941

Ion Ratio Lower Upper

128 100

129 11.2 17.0 25.6#

127 13.0 15.7 23.5#



#5

2-Methylnaphthalene

Concen: 0.389 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM025182.D

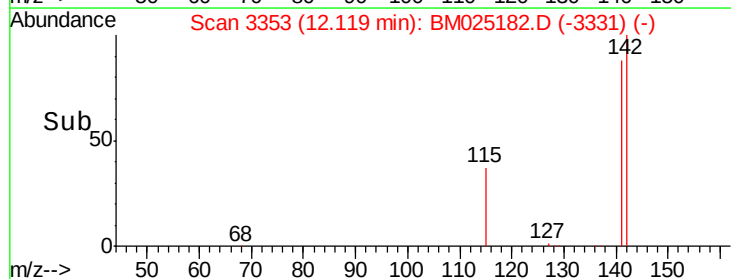
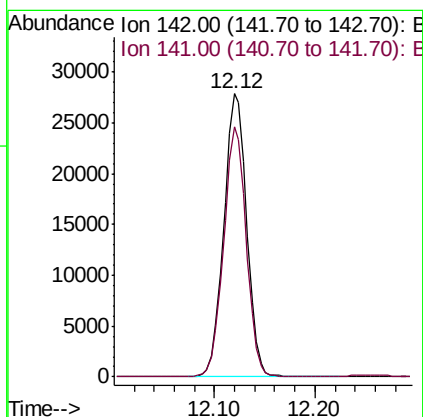
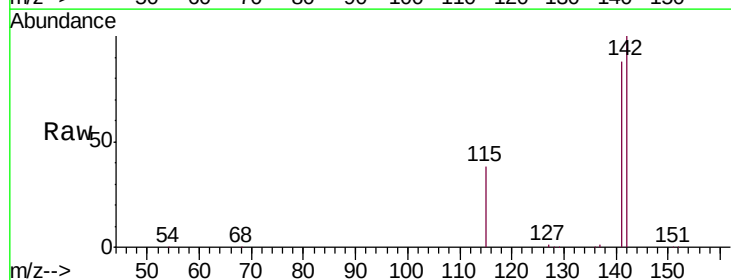
Acq: 29 Feb 2020 23:29

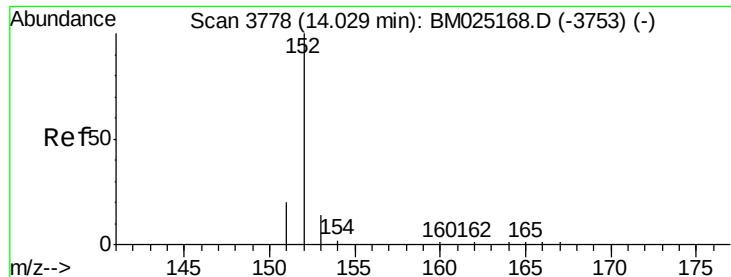
Tgt Ion:142 Resp: 43485

Ion Ratio Lower Upper

142 100

141 87.7 69.8 104.8





#7

Acenaphthylene

Concen: 0.364 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

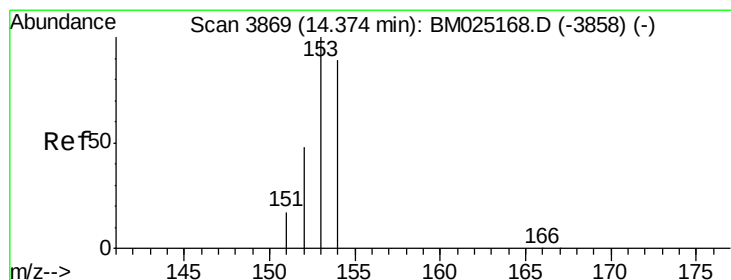
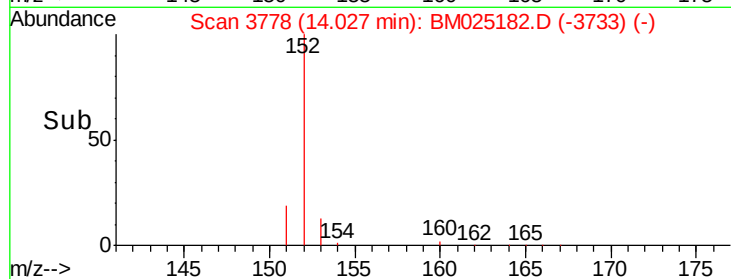
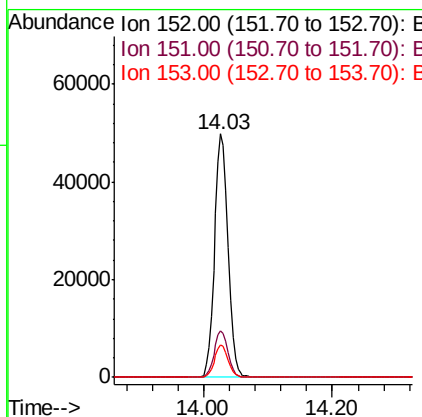
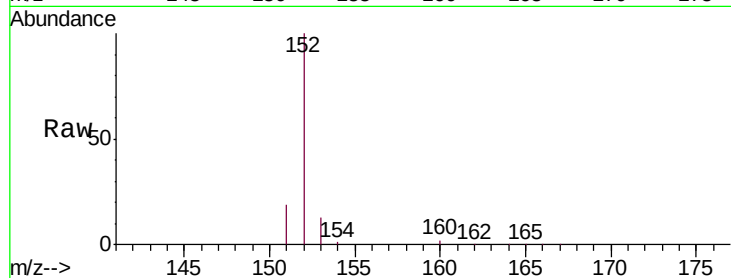
Instrument :

BNA_M

ClientSampleId :

SSTD0.498

Tgt Ion:	152	Resp:	72963
Ion	Ratio	Lower	Upper
152	100		
151	19.2	17.8	26.8
153	13.1	13.3	19.9#



#8

Acenaphthene

Concen: 0.372 ng/ul

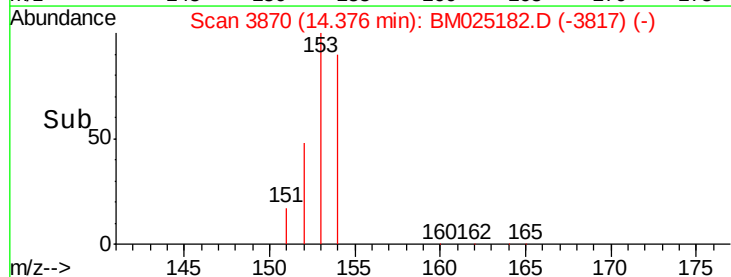
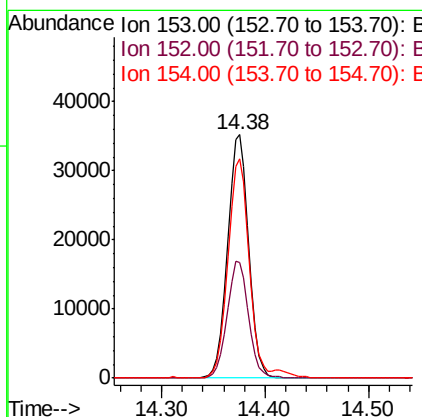
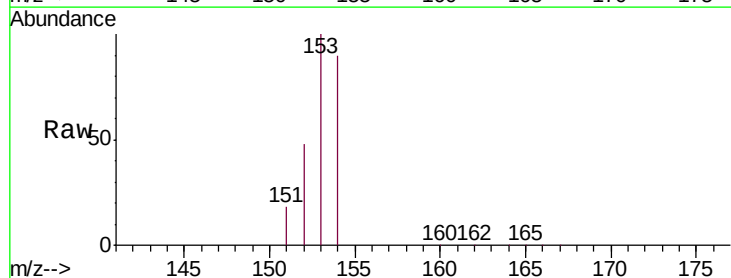
RT: 14.38 min Scan# 3870

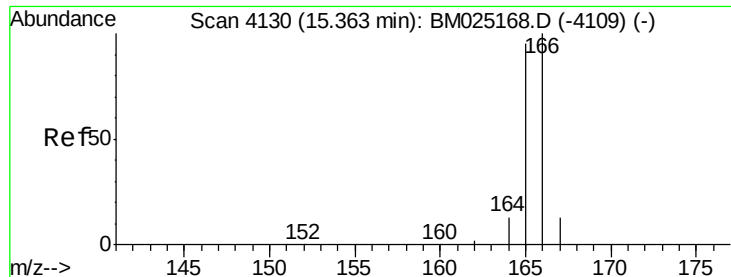
Delta R.T. 0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

Tgt Ion:	153	Resp:	50101
Ion	Ratio	Lower	Upper
153	100		
152	47.7	40.0	60.0
154	90.1	71.0	106.6

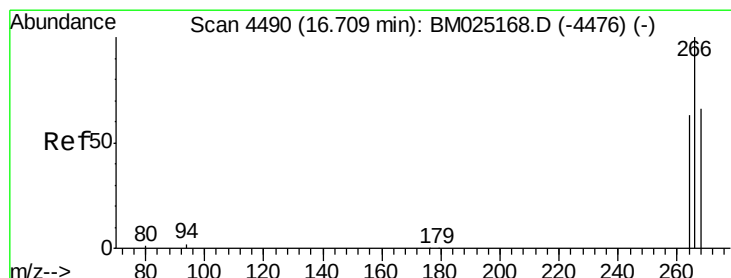
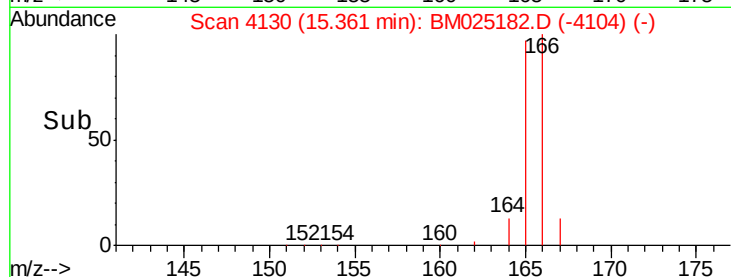
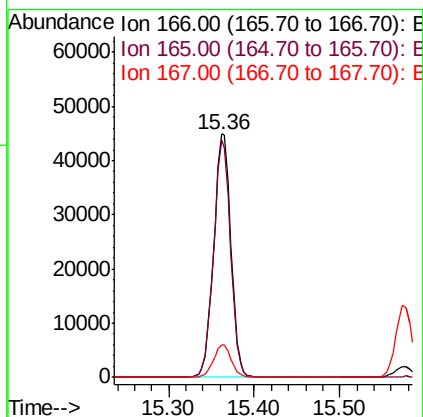
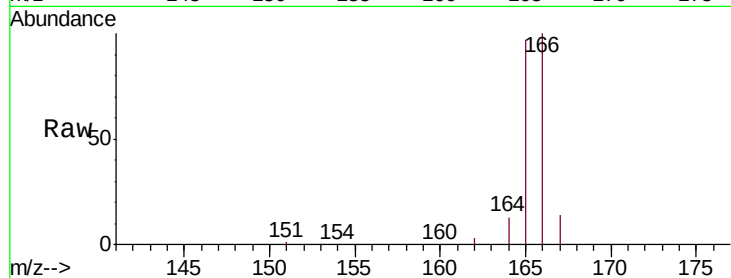




#9
Fluorene
 Concen: 0.367 ng/ul
 RT: 15.36 min Scan# 4130
 Delta R.T. -0.00 min
 Lab File: BM025182.D
 Acq: 29 Feb 2020 23:29

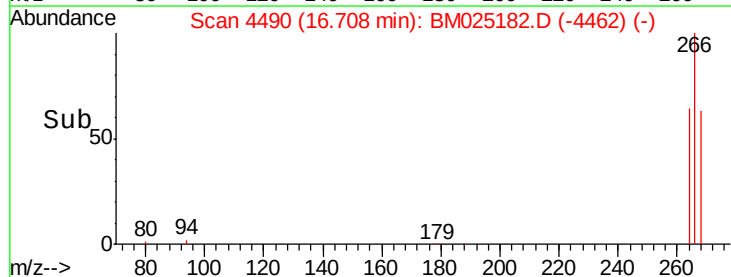
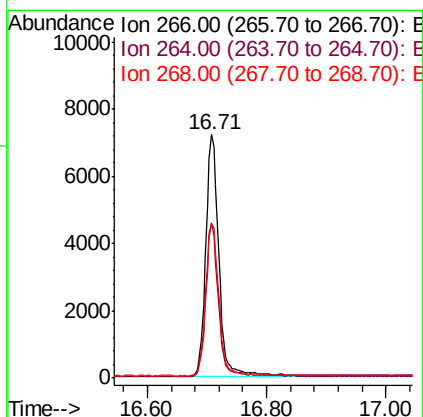
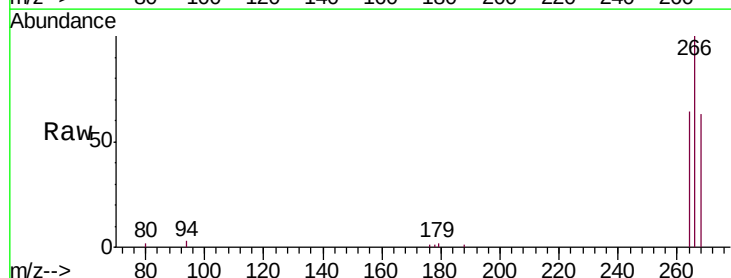
Instrument :
 BNA_M
 ClientSampleId :
 SST0.498

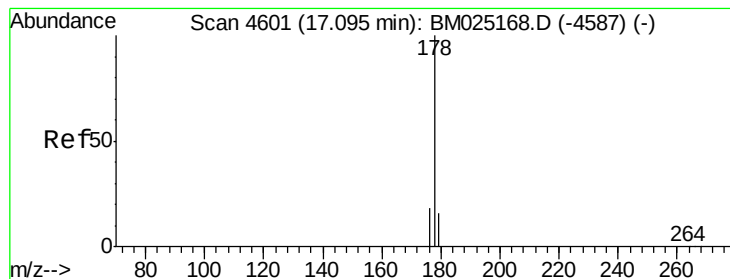
Tgt Ion:166 Resp: 62135
 Ion Ratio Lower Upper
 166 100
 165 97.3 80.0 120.0
 167 13.5 13.7 20.5#



#11
Pentachlorophenol
 Concen: 0.430 ng/ul
 RT: 16.71 min Scan# 4490
 Delta R.T. -0.00 min
 Lab File: BM025182.D
 Acq: 29 Feb 2020 23:29

Tgt Ion:266 Resp: 10940
 Ion Ratio Lower Upper
 266 100
 264 61.8 49.8 74.6
 268 62.3 49.0 73.4





#12

Phenanthrene

Concen: 0.358 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.498

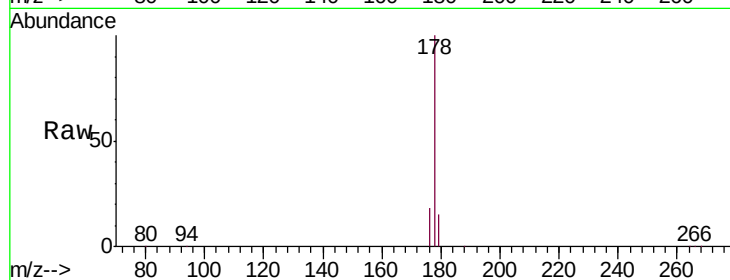
Tgt Ion:178 Resp: 104772

Ion Ratio Lower Upper

178 100

179 15.4 14.0 21.0

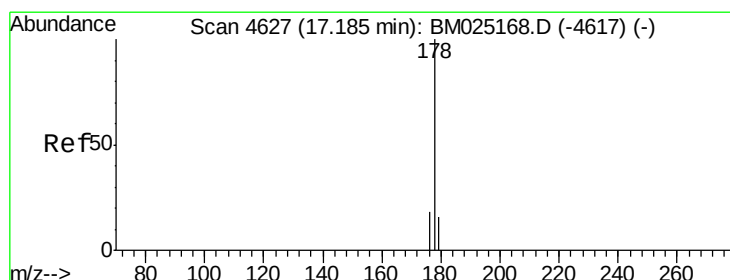
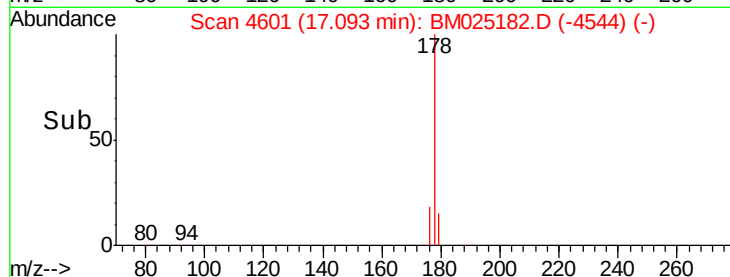
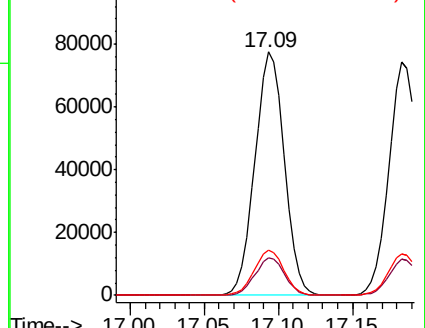
176 18.4 16.6 24.8



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: 0.362 ng/ul

RT: 17.18 min Scan# 4627

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

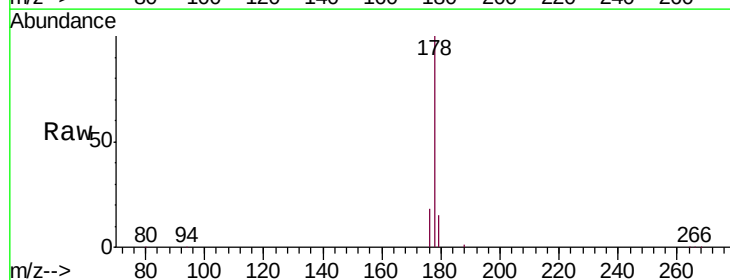
Tgt Ion:178 Resp: 102749

Ion Ratio Lower Upper

178 100

179 15.5 14.1 21.1

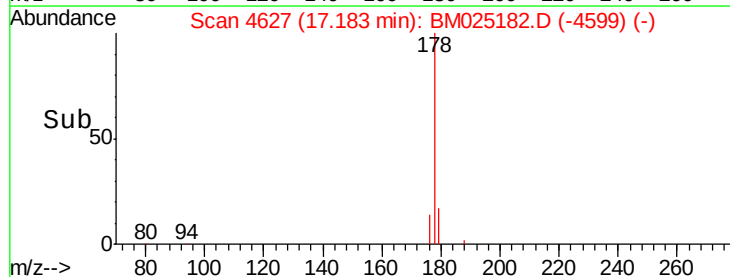
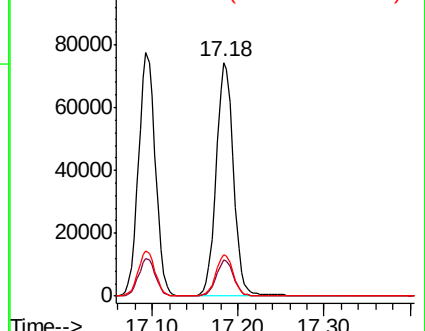
176 17.8 16.2 24.4

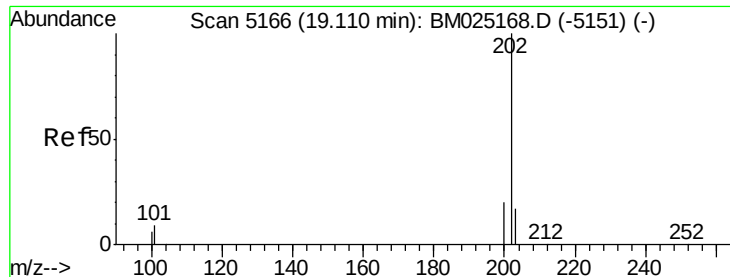


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.307 ng/ul

RT: 19.11 min Scan# 5167

Delta R.T. 0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.498

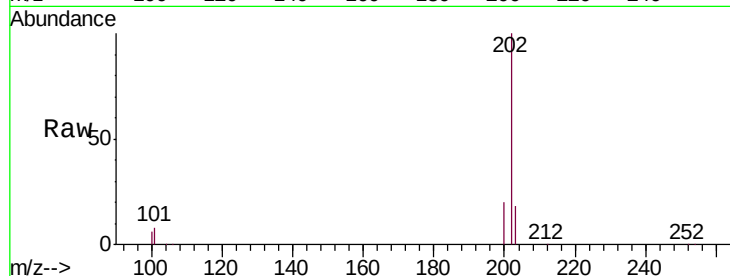
Tgt Ion:202 Resp: 130778

Ion Ratio Lower Upper

202 100

101 7.8 0.0 29.4

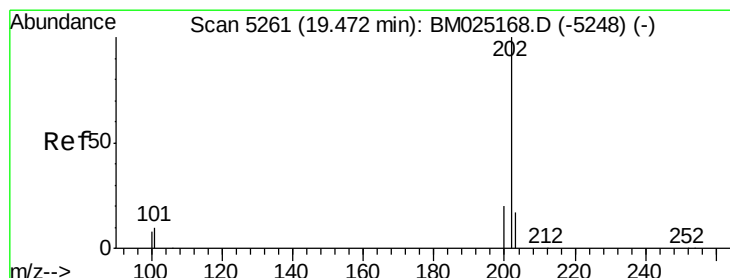
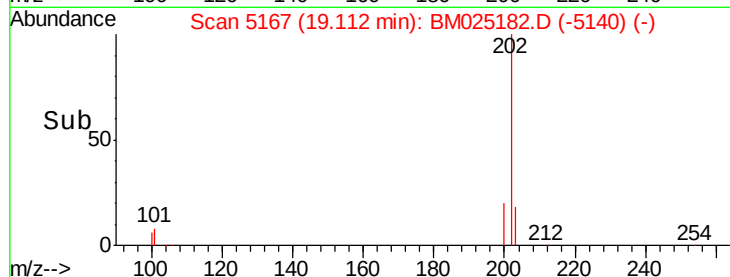
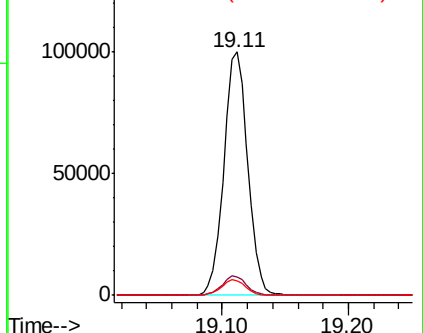
100 6.0 0.0 28.0



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: 0.334 ng/ul

RT: 19.47 min Scan# 5262

Delta R.T. 0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

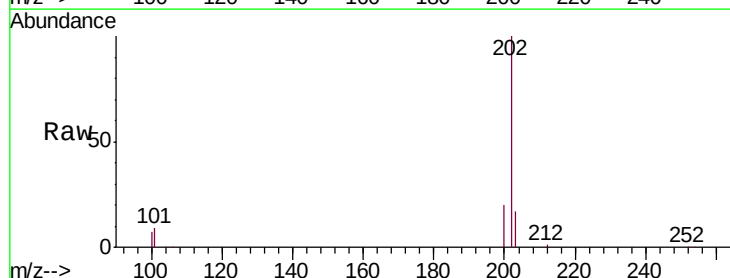
Tgt Ion:202 Resp: 138808

Ion Ratio Lower Upper

202 100

101 8.8 8.7 13.1

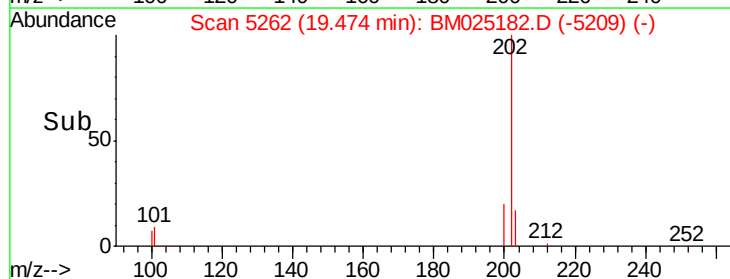
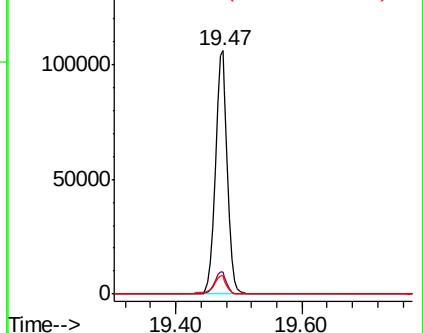
100 7.3 7.3 10.9

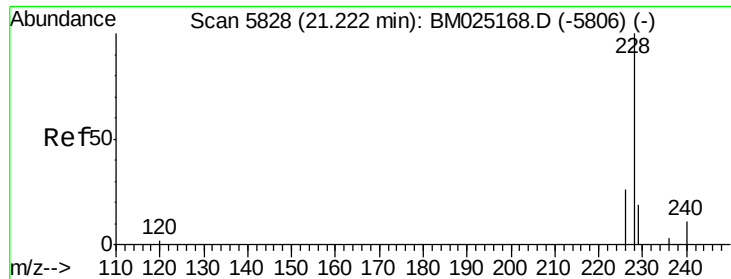


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.352 ng/ul

RT: 21.22 min Scan# 5828

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

Instrument :

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ClientSampleId :

SSTD0.498

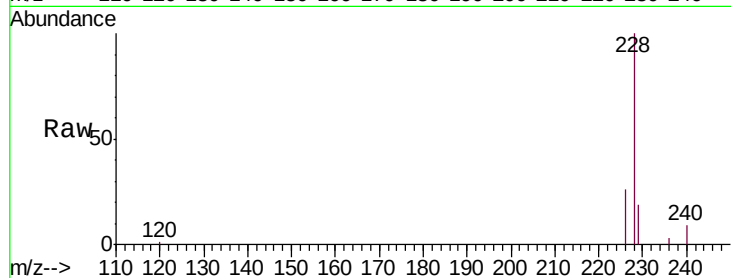
Tgt Ion:228 Resp: 140422

Ion Ratio Lower Upper

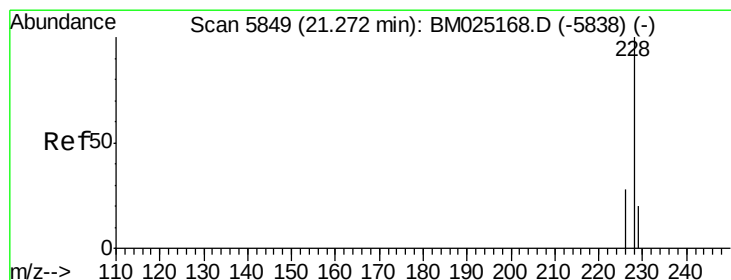
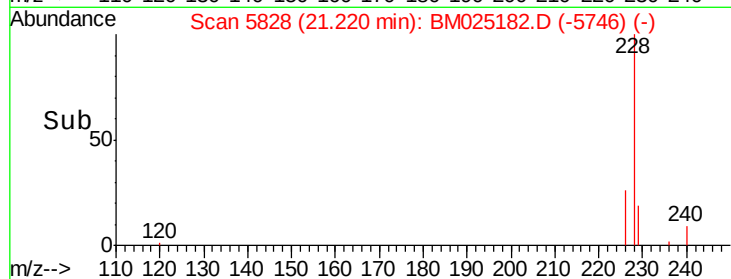
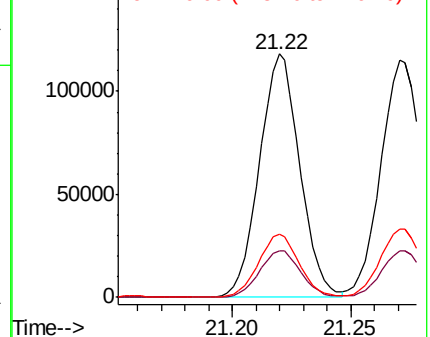
228 100

229 19.3 16.6 25.0

226 25.9 21.9 32.9



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: 0.354 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

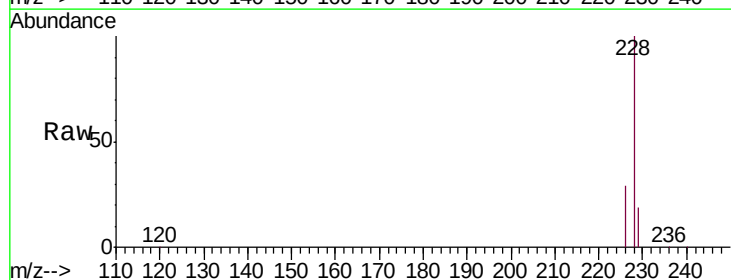
Tgt Ion:228 Resp: 140593

Ion Ratio Lower Upper

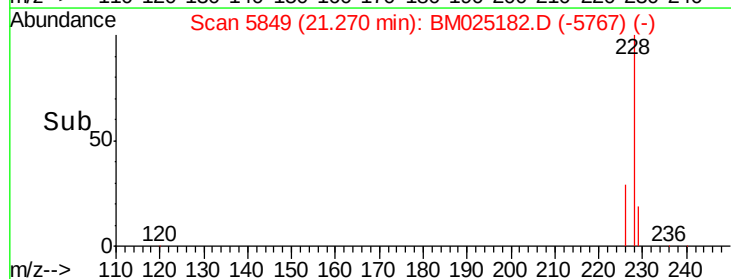
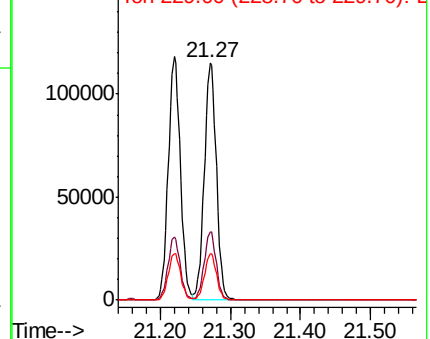
228 100

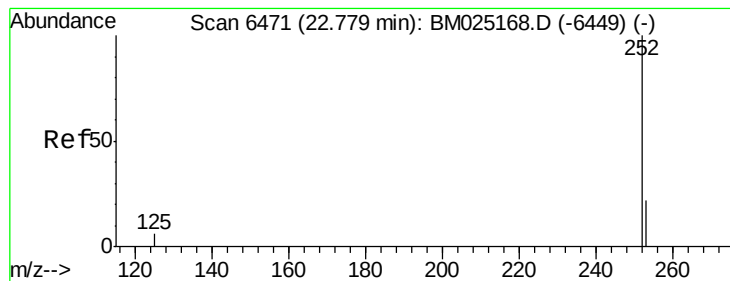
226 28.8 23.8 35.8

229 19.4 16.9 25.3



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: 0.393 ng/ul

RT: 22.78 min Scan# 6471

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

Instrument :

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SSTD0.498

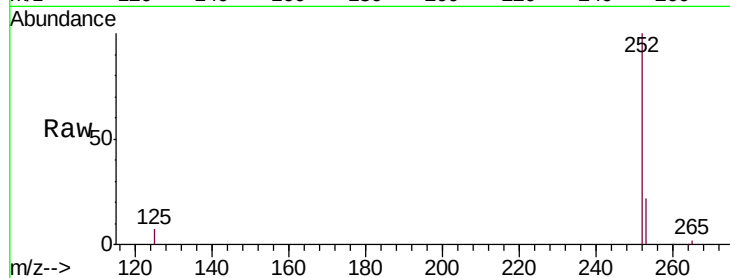
Tgt Ion:252 Resp: 143862

Ion Ratio Lower Upper

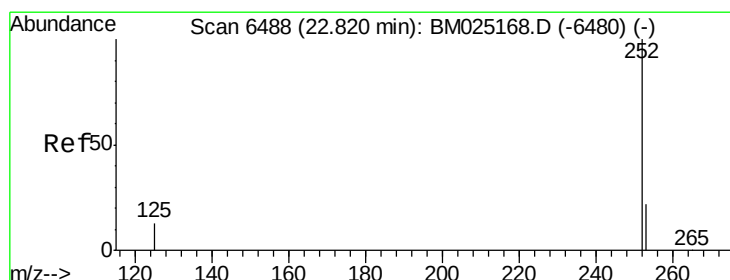
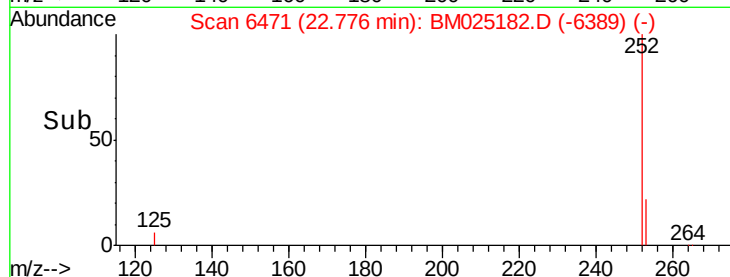
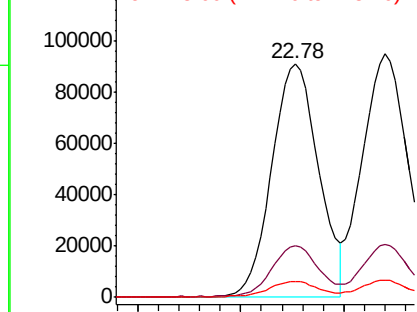
252 100

253 22.0 0.0 49.8

125 6.8 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: 0.408 ng/ul

RT: 22.82 min Scan# 6489

Delta R.T. 0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

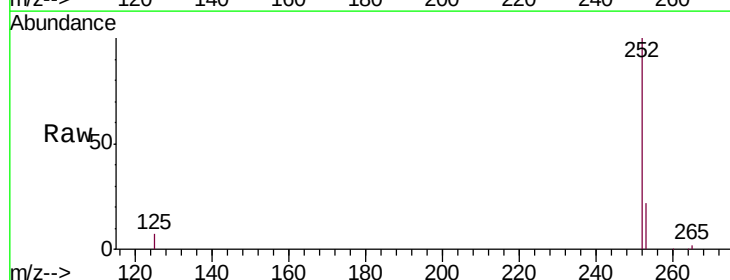
Tgt Ion:252 Resp: 147718

Ion Ratio Lower Upper

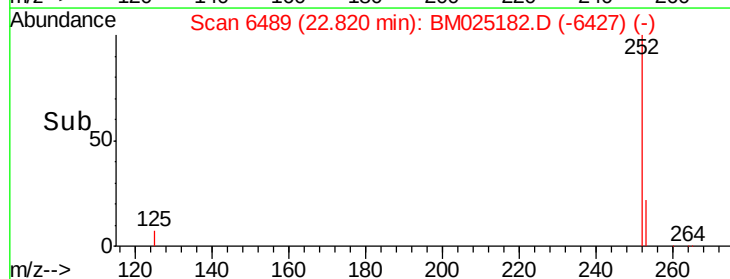
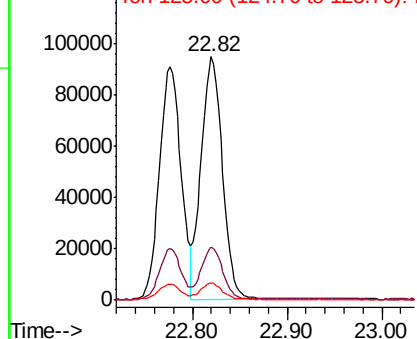
252 100

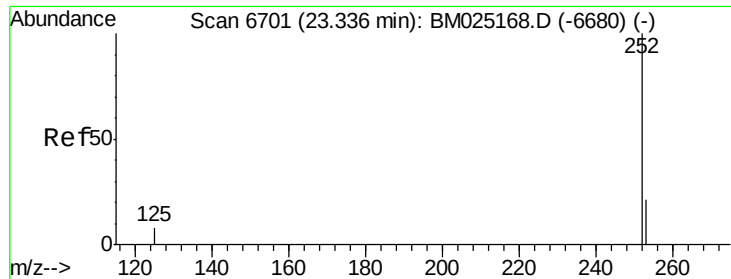
253 22.0 19.4 29.0

125 7.1 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: 0.394 ng/ul

RT: 23.33 min Scan# 6701

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.498

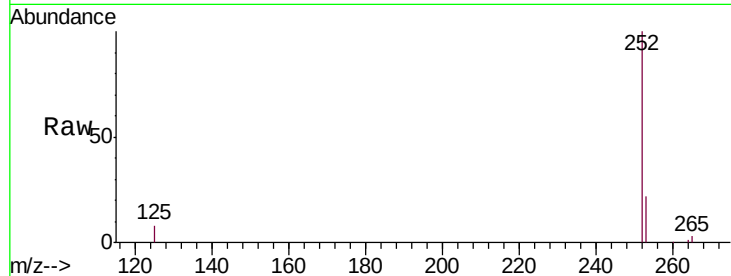
Tgt Ion:252 Resp: 131592

Ion Ratio Lower Upper

252 100

253 21.8 20.3 30.5

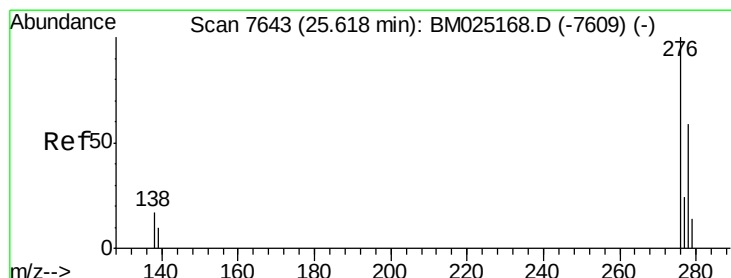
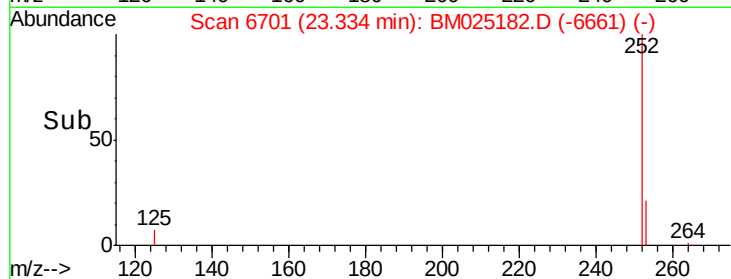
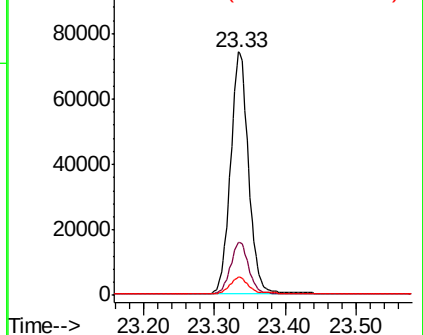
125 7.6 13.0 19.4#



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: 0.404 ng/ul

RT: 25.61 min Scan# 7642

Delta R.T. -0.00 min

Lab File: BM025182.D

Acq: 29 Feb 2020 23:29

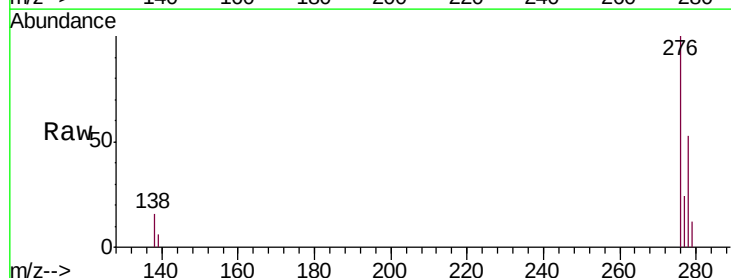
Tgt Ion:276 Resp: 168931

Ion Ratio Lower Upper

276 100

138 16.7 0.0 0.0#

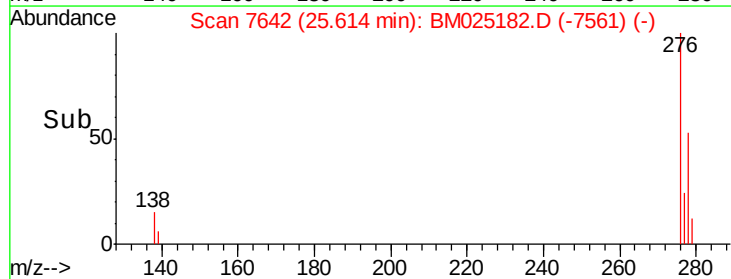
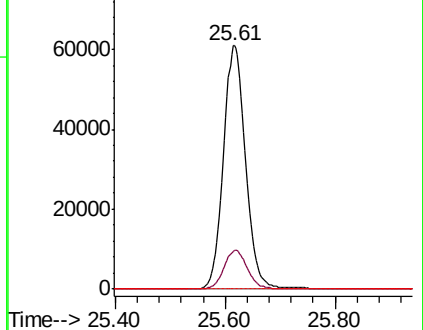
227 0.0 0.0 0.0

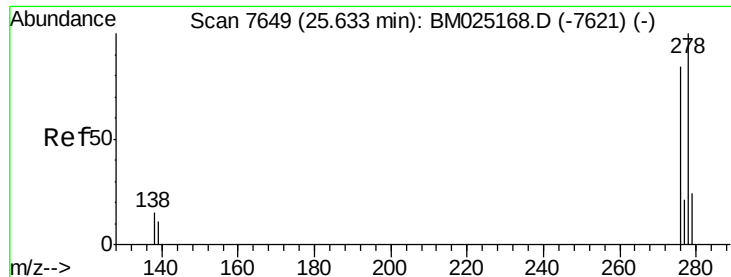


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

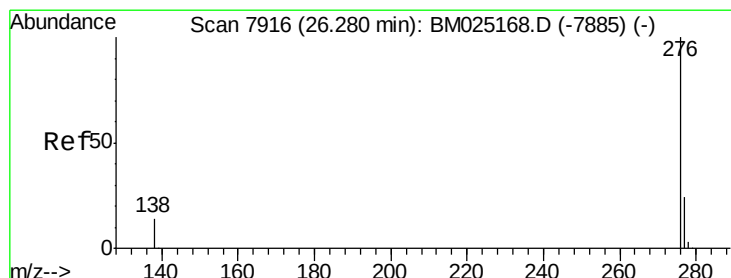
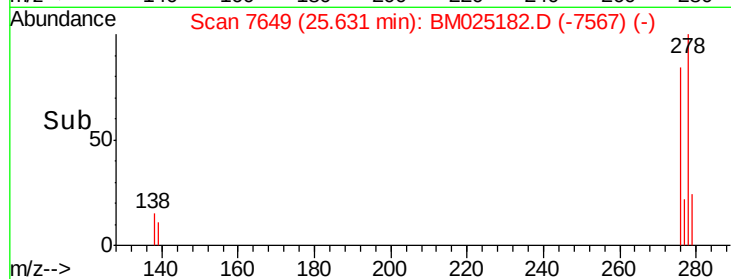
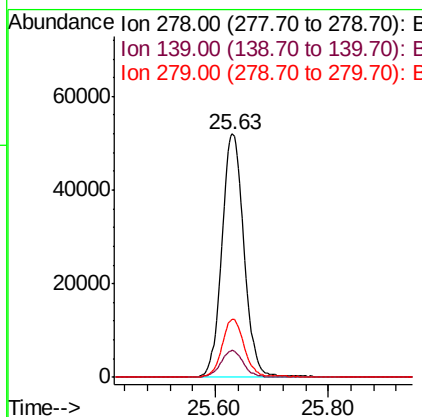
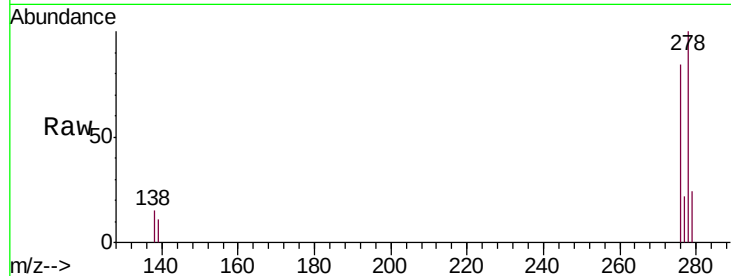




#25
Dibenzo(a,h)anthracene
Concen: 0.400 ng/ul
RT: 25.63 min Scan# 7649
Delta R.T. -0.00 min
Lab File: BM025182.D
Acq: 29 Feb 2020 23:29

Instrument :
BNA_M
ClientSampleId :
SSTD0.498

Tgt Ion: 278 Resp: 140761
Ion Ratio Lower Upper
278 100
139 11.0 13.2 19.8#
279 23.9 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.398 ng/ul
RT: 26.28 min Scan# 7916
Delta R.T. -0.00 min
Lab File: BM025182.D
Acq: 29 Feb 2020 23:29

Tgt Ion: 276 Resp: 140252
Ion Ratio Lower Upper
276 100
138 14.5 17.9 26.9#
277 23.5 20.5 30.7

