

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121420\
 Data File : BM028118.D
 Acq On : 14 Dec 2020 19:02
 Operator : JU/CG
 Sample : PB133446BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS446

Quant Time: Dec 15 00:32:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM121120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 00:30:53 2020
 Response via : Initial Calibration

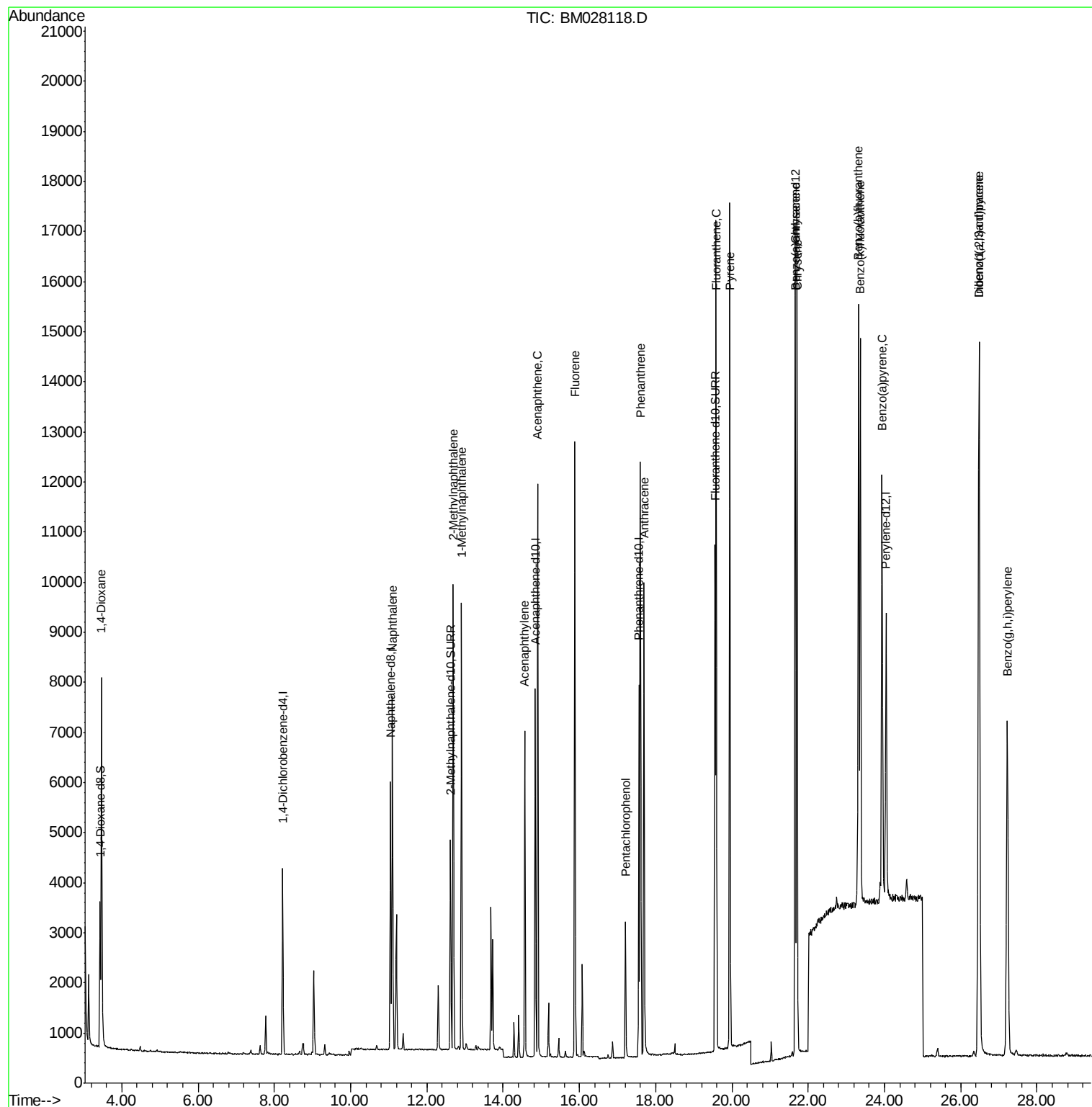
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	1817	0.40	ng/ul	0.00
4) Naphthalene-d8	11.05	136	7089	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.84	164	3995	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.56	188	8455	0.40	ng/ul	0.00
17) Chrysene-d12	21.67	240	8373	0.40	ng/ul	0.00
23) Perylene-d12	24.04	264	8004	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.43	96	1862	0.90	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.62	152	5140	0.47	ng/ul	0.00
18) Fluoranthene-d10	19.55	212	10677	0.43	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.46	88	5010	2.179	ng/ul	90
5) Naphthalene	11.10	128	9410	0.470	ng/ul	100
7) 2-Methylnaphthalene	12.69	142	6258	0.474	ng/ul	98
8) 1-Methylnaphthalene	12.91	142	5866	0.465	ng/ul	100
10) Acenaphthylene	14.57	152	7215	0.447	ng/ul	99
11) Acenaphthene	14.91	153	6592	0.465	ng/ul	99
12) Fluorene	15.88	166	7554	0.469	ng/ul	99
14) Pentachlorophenol	17.21	266	1722	0.802	ng/ul	99
15) Phenanthrene	17.60	178	12193	0.470	ng/ul	99
16) Anthracene	17.69	178	10443	0.459	ng/ul	99
19) Fluoranthene	19.58	202	13799	0.419	ng/ul	98
20) Pyrene	19.94	202	13817	0.421	ng/ul	99
21) Benzo(a)anthracene	21.66	228	13015	0.471	ng/ul	100
22) Chrysene	21.71	228	14374	0.483	ng/ul	100
24) Benzo(b)fluoranthene	23.32	252	15416	0.479	ng/ul	99
25) Benzo(k)fluoranthene	23.37	252	14583	0.471	ng/ul	99
26) Benzo(a)pyrene	23.93	252	12836	0.483	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.47	276	16608	0.515	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.48	278	13921	0.515	ng/ul	99
29) Benzo(a,h,i)perylene	27.22	276	14483	0.515	ng/ul	98

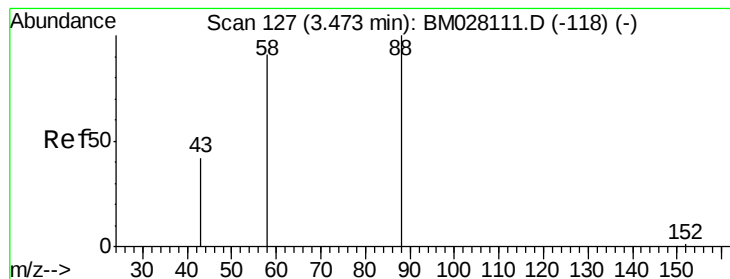
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#2

1,4-Dioxane

Concen: 2.179 ng/ul

RT: 3.46 min Scan# 124

Delta R.T. -0.01 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

BNA_M

ClientSampleId :

SLCS446

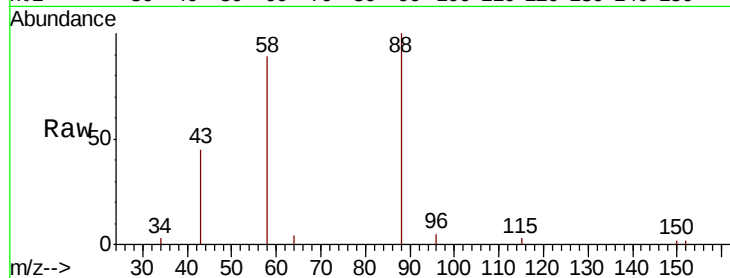
Tot Ion: 88 Resp: 5010

Ion Ratio Lower Upper

88 100

43 44.6 39.5 59.3

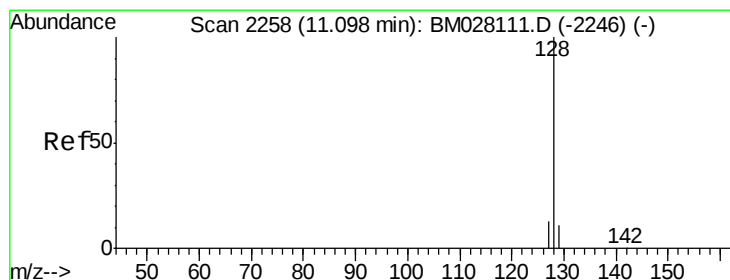
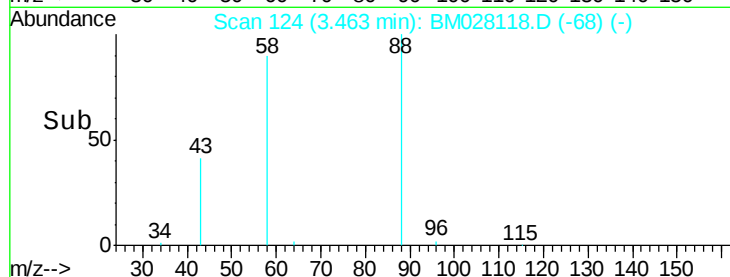
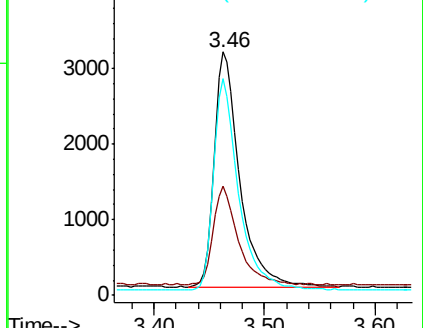
58 88.8 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): BM028111.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM028111.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM028111.D (-118) (-)



#5

Naphthalene

Concen: 0.470 ng/ul

RT: 11.10 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

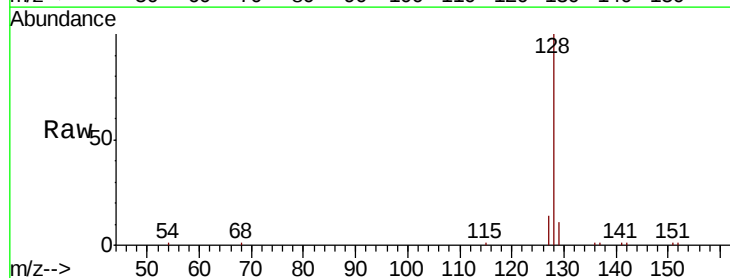
Tgt Ion: 128 Resp: 9410

Ion Ratio Lower Upper

128 100

129 11.4 9.2 13.8

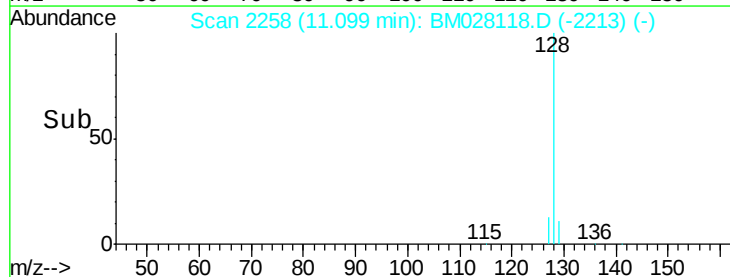
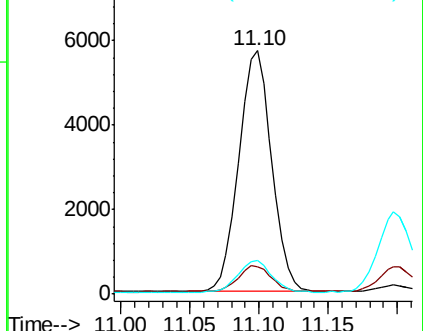
127 13.7 10.8 16.2

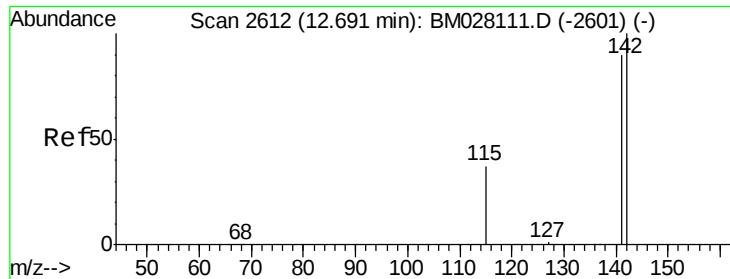


Abundance Ion 128.00 (127.70 to 128.70): BM028111.D (-2246) (-)

Ion 129.00 (128.70 to 129.70): BM028111.D (-2246) (-)

Ion 127.00 (126.70 to 127.70): BM028111.D (-2246) (-)





#7

2-Methylnaphthalene

Concen: 0.474 ng/ul

RT: 12.69 min Scan# 2612

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

BNA_M

ClientSampleId :

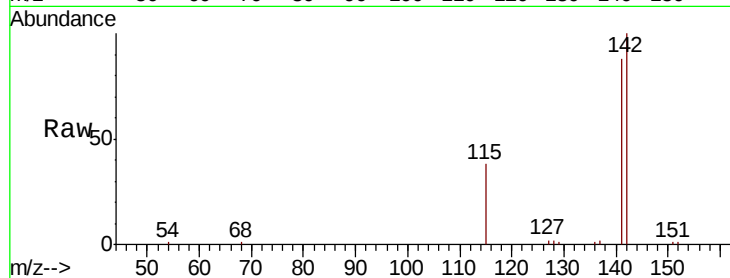
SLCS446

Tot Ion:142 Resp: 6258

Ion Ratio Lower Upper

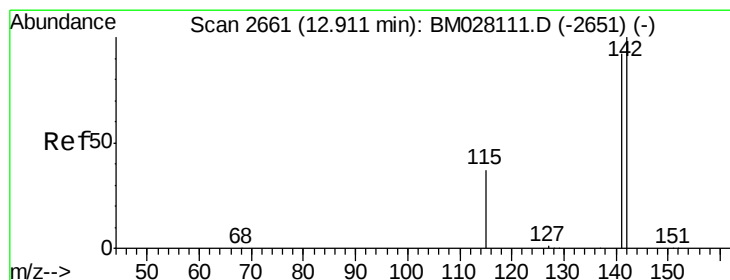
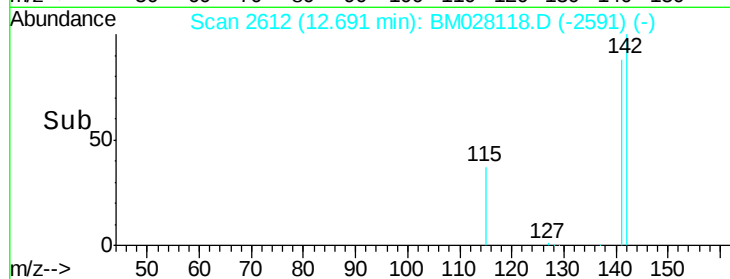
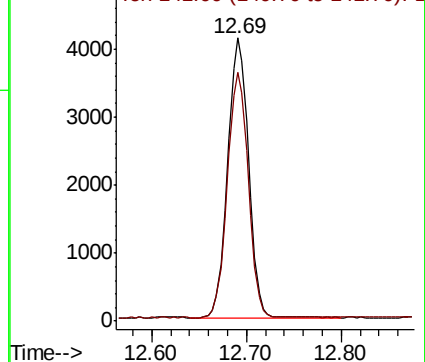
142 100

141 88.1 71.8 107.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.465 ng/ul

RT: 12.91 min Scan# 2660

Delta R.T. -0.00 min

Lab File: BM028118.D

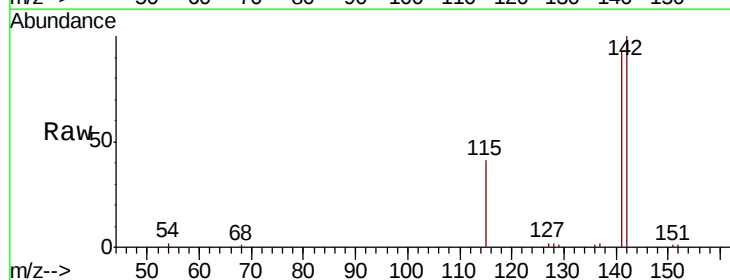
Acq: 14 Dec 2020 19:02

Tgt Ion:142 Resp: 5866

Ion Ratio Lower Upper

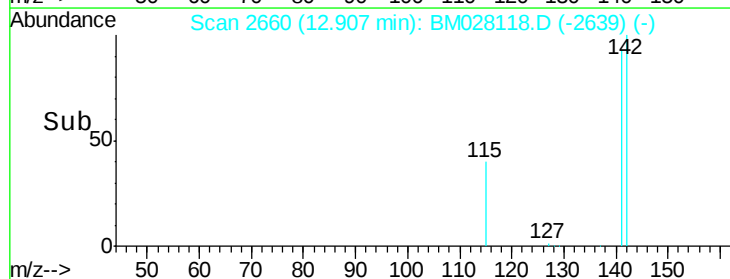
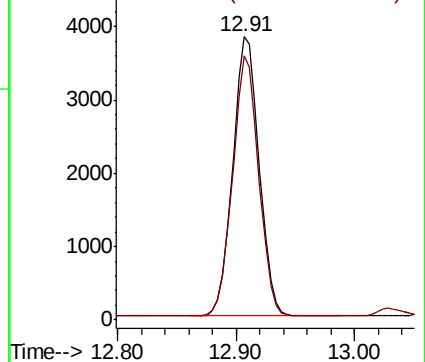
142 100

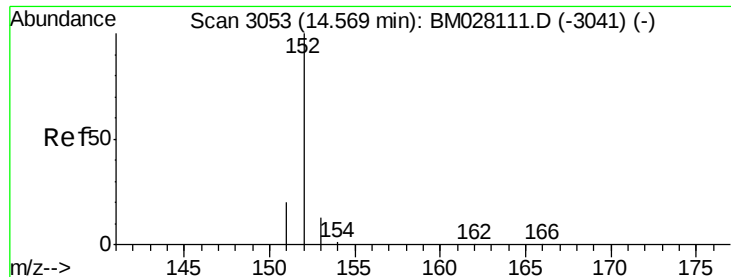
141 92.4 73.8 110.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.447 ng/ul

RT: 14.57 min Scan# 3053

Delta R.T. 0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

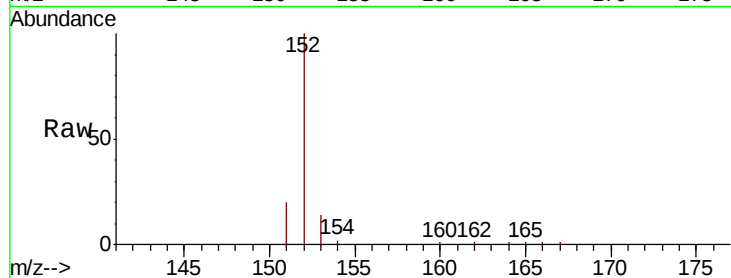
BNA_M

ClientSampleId :

SLCS446

Tot Ion:152 Resp: 7215

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.6	10.7	16.1



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

6000

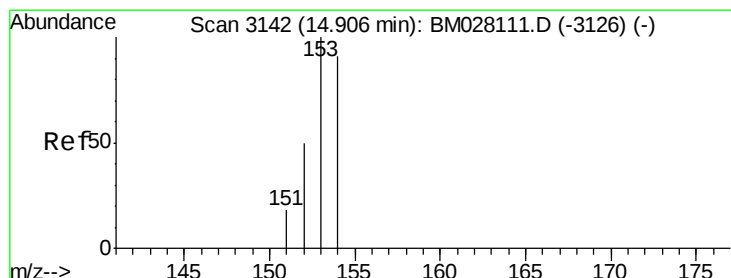
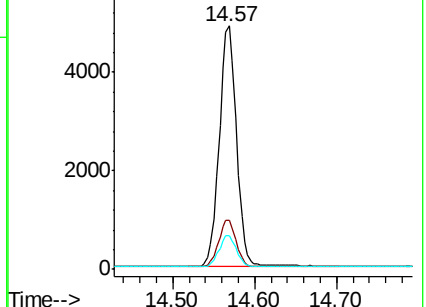
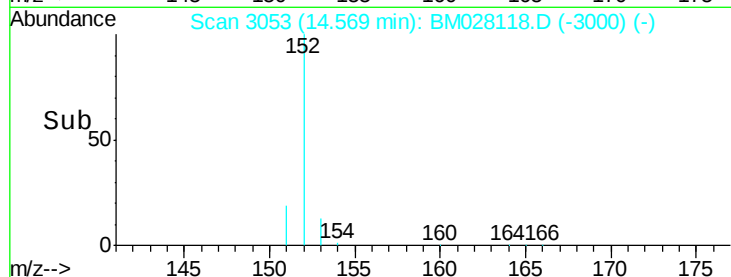
4000

2000

0

Time-->

14.50 14.60 14.70



#11

Acenaphthene

Concen: 0.465 ng/ul

RT: 14.91 min Scan# 3142

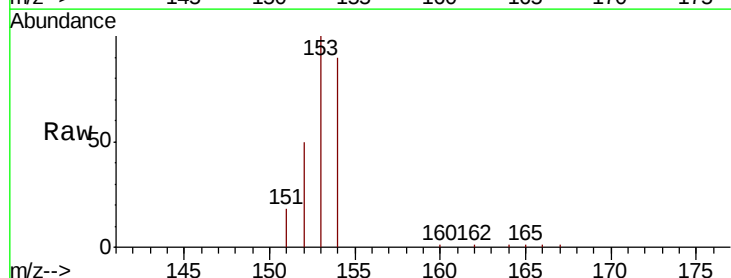
Delta R.T. 0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Tgt Ion:153 Resp: 6592

Ion	Ratio	Lower	Upper
153	100		
152	49.6	39.5	59.3
154	89.6	71.0	106.4



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

6000

5000

4000

3000

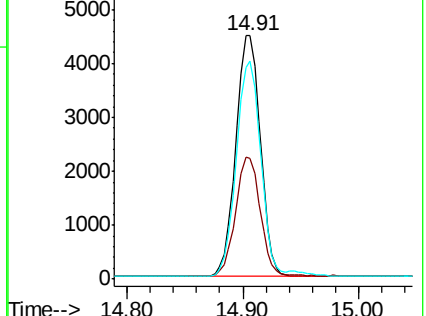
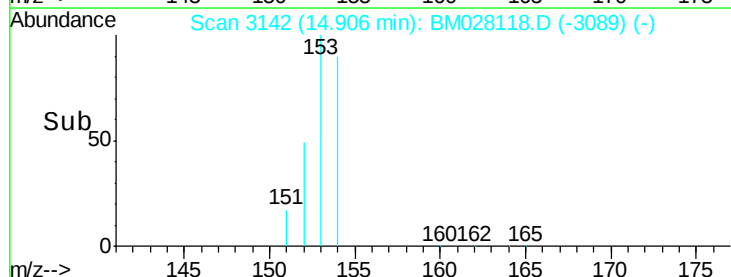
2000

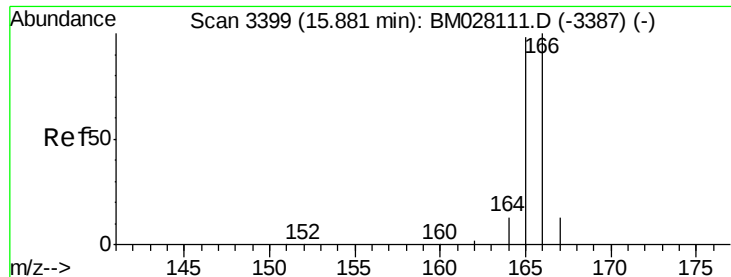
1000

0

Time-->

14.80 14.90 15.00





#12

Fluorene

Concen: 0.469 ng/ul

RT: 15.88 min Scan# 3399

Delta R.T. 0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

BNA_M

ClientSampleId :

SLCS446

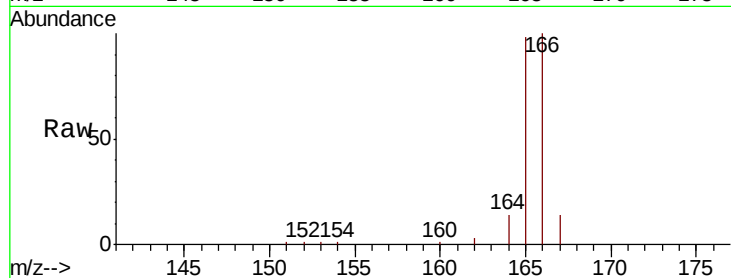
Tot Ion:166 Resp: 7554

Ion Ratio Lower Upper

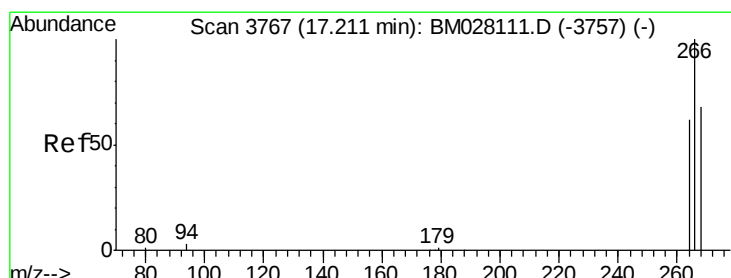
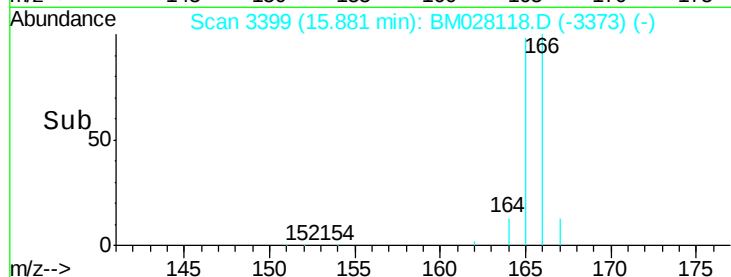
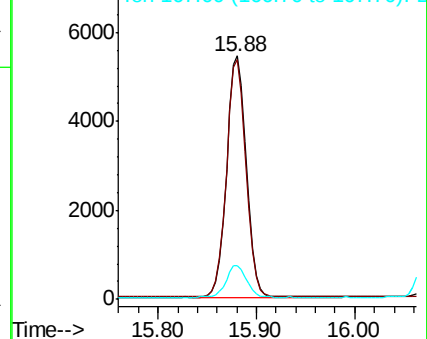
166 100

165 98.3 77.9 116.9

167 13.8 11.4 17.0



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



#14

Pentachlorophenol

Concen: 0.802 ng/ul

RT: 17.21 min Scan# 3766

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

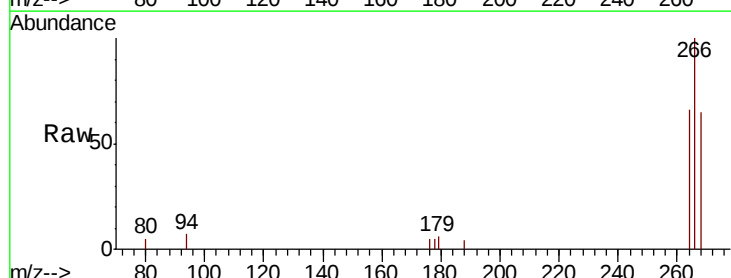
Tgt Ion:266 Resp: 1722

Ion Ratio Lower Upper

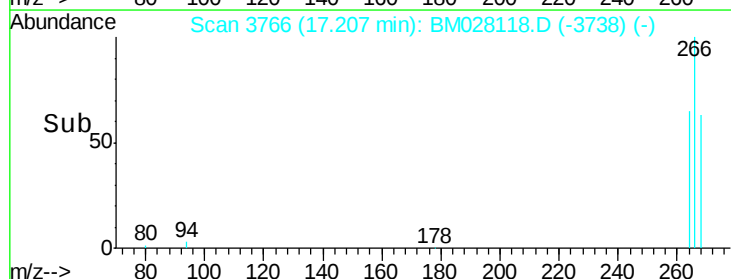
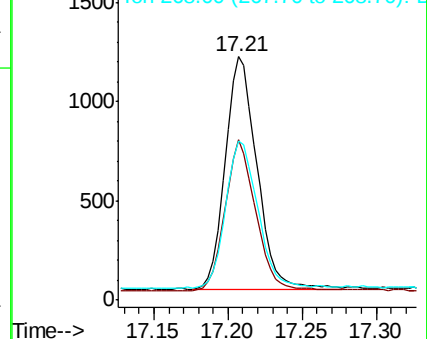
266 100

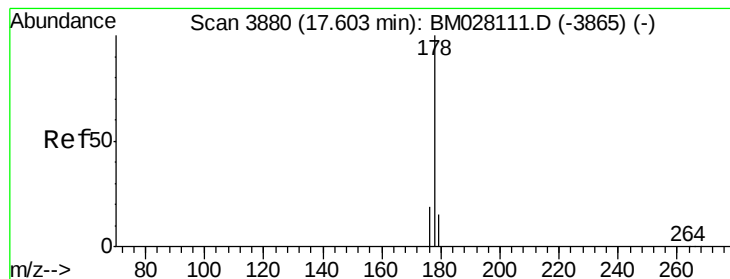
264 63.0 51.6 77.4

268 65.0 51.6 77.4



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





#15

Phenanthrene

Concen: 0.470 ng/ul

RT: 17.60 min Scan# 3880

Delta R.T. 0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

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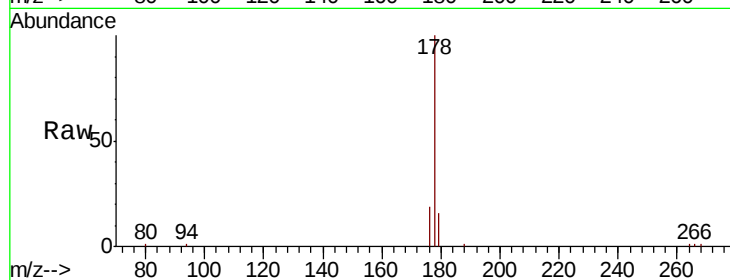
Tot Ion:178 Resp: 12193

Ion Ratio Lower Upper

178 100

179 16.1 12.6 18.8

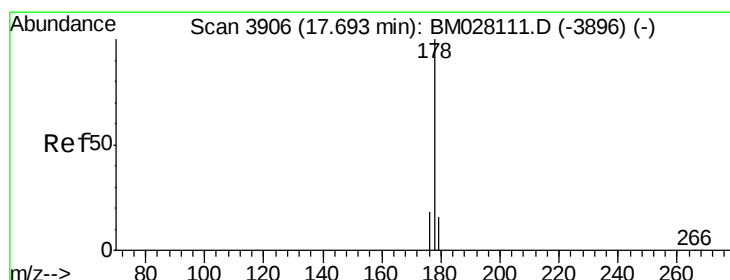
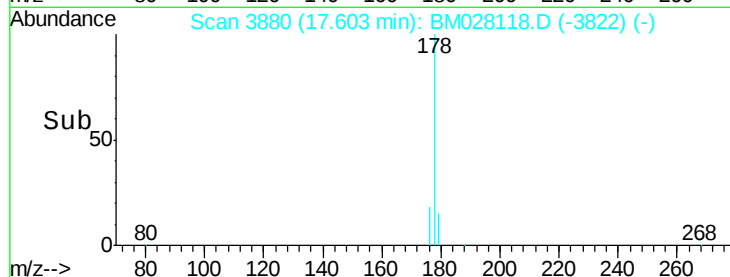
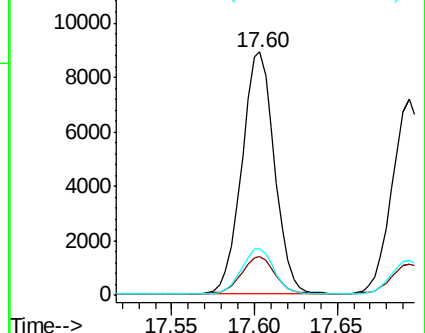
176 18.9 14.9 22.3



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



#16

Anthracene

Concen: 0.459 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. 0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

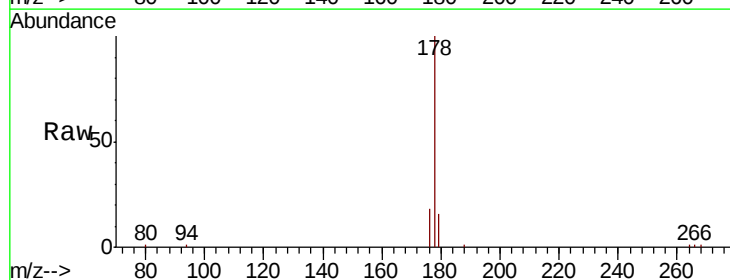
Tgt Ion:178 Resp: 10443

Ion Ratio Lower Upper

178 100

179 16.1 12.5 18.7

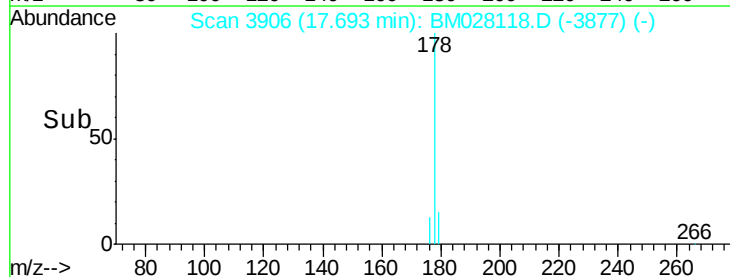
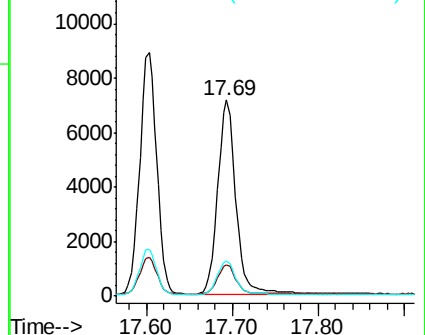
176 18.2 14.7 22.1

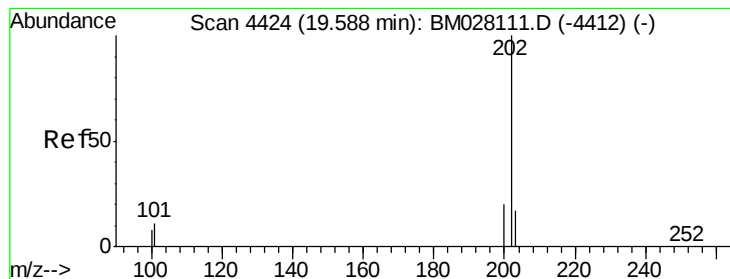


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.419 ng/ul

RT: 19.58 min Scan# 4423

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

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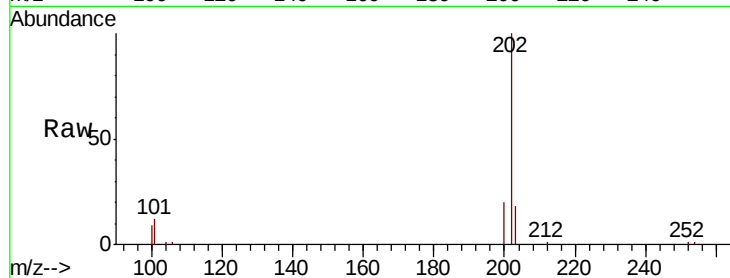
Tot Ion:202 Resp: 13799

Ion Ratio Lower Upper

202 100

101 11.7 8.8 13.2

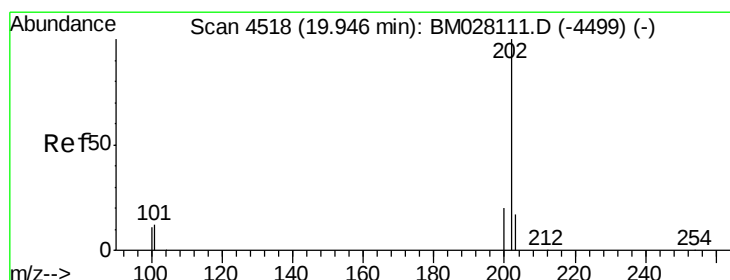
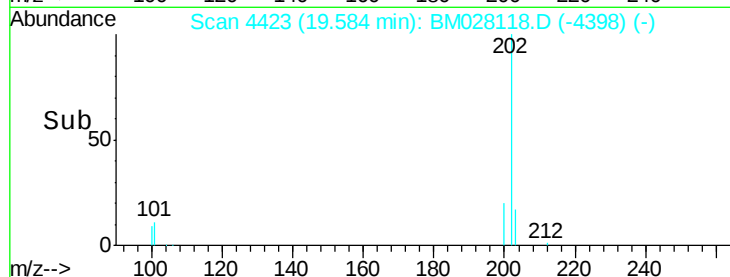
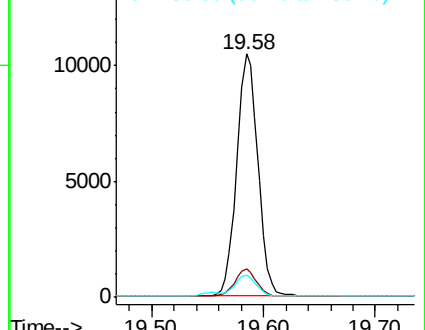
100 9.2 6.8 10.2



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



#20

Pyrene

Concen: 0.421 ng/ul

RT: 19.94 min Scan# 4517

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

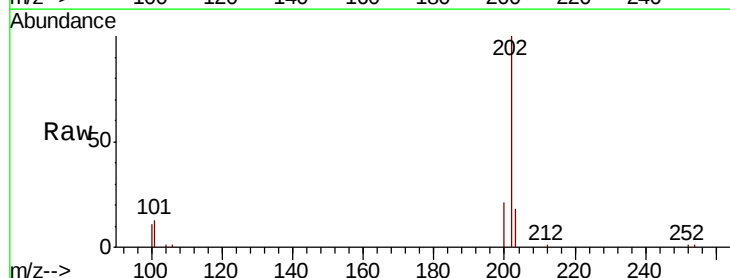
Tgt Ion:202 Resp: 13817

Ion Ratio Lower Upper

202 100

101 13.1 10.1 15.1

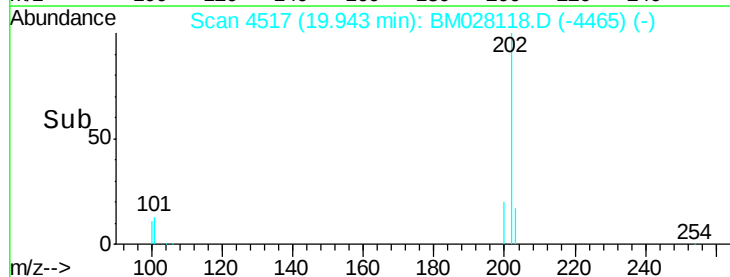
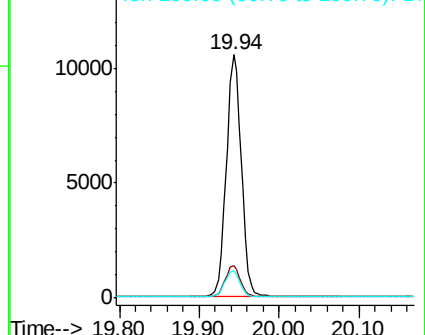
100 11.0 8.4 12.6

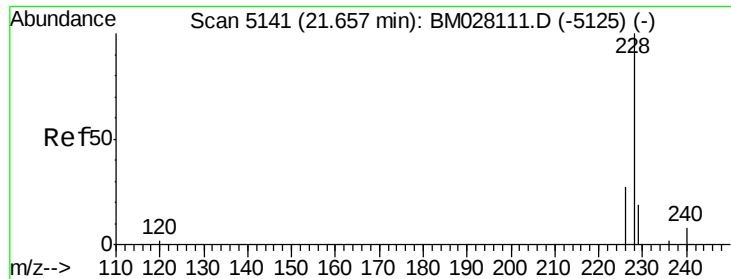


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.471 ng/ul

RT: 21.66 min Scan# 5140

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

BNA_M

ClientSampleId :

SLCS446

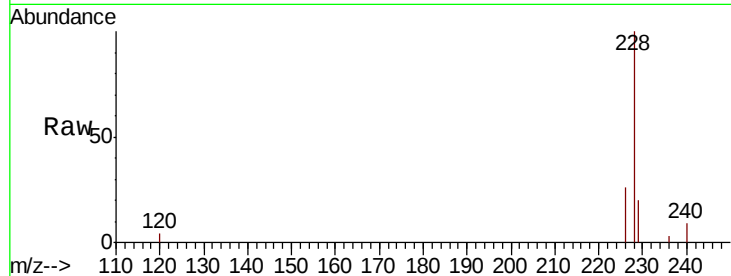
Tot Ion:228 Resp: 13015

Ion Ratio Lower Upper

228 100

229 19.7 15.7 23.5

226 26.2 20.7 31.1

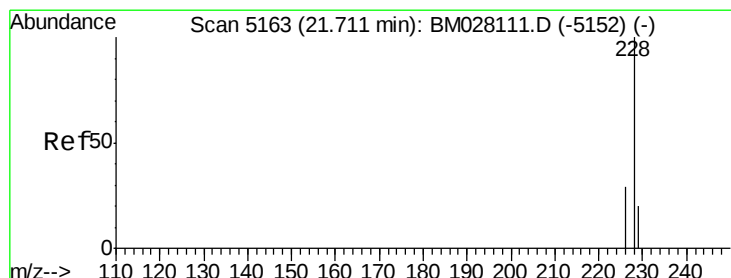
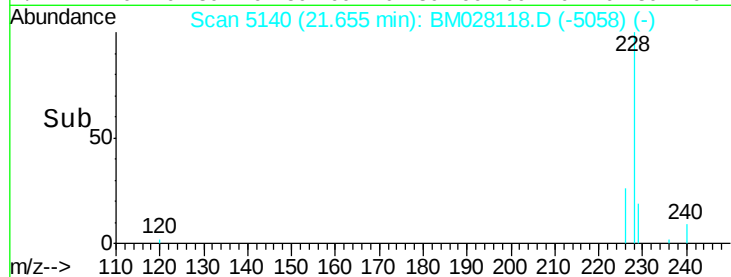
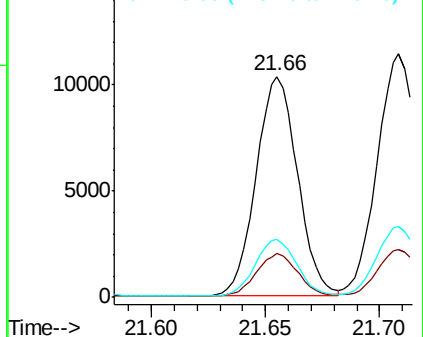


Abundance

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



#22

Chrysene

Concen: 0.483 ng/ul

RT: 21.71 min Scan# 5162

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

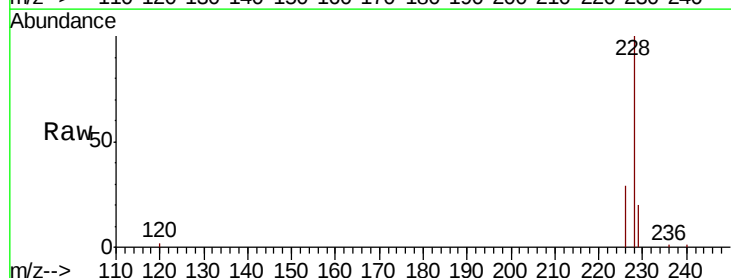
Tgt Ion:228 Resp: 14374

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

229 19.8 15.9 23.9

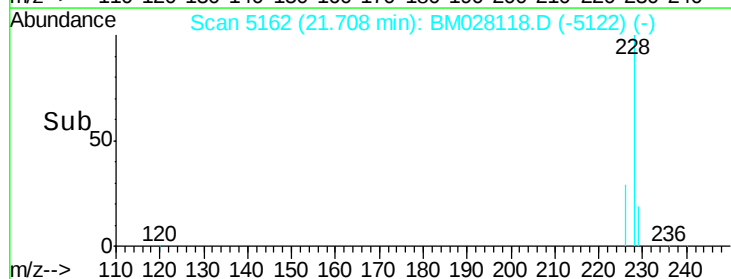
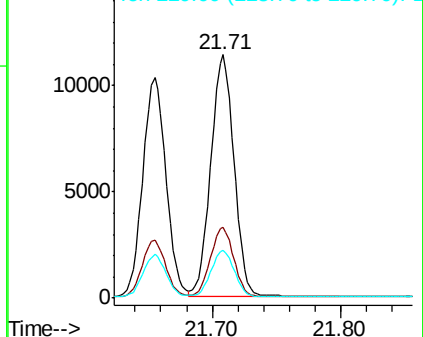


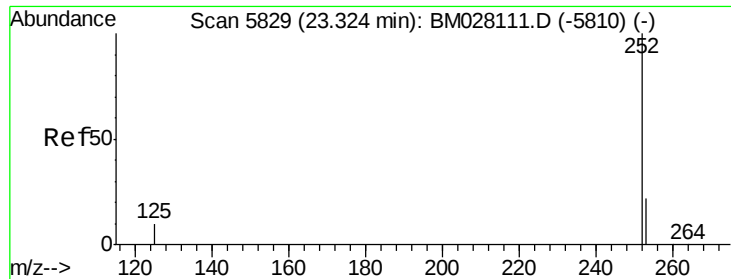
Abundance

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





#24

Benzo(b)fluoranthene

Concen: 0.479 ng/ul

RT: 23.32 min Scan# 5827

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

BNA_M

ClientSampleId :

SLCS446

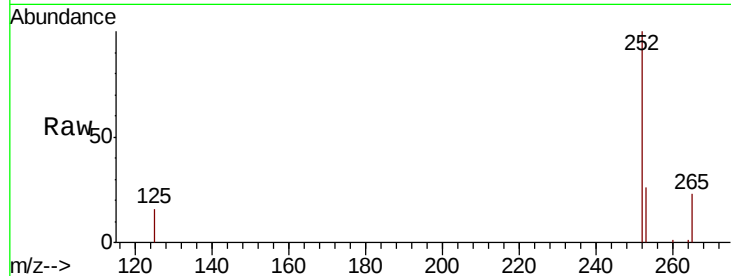
Tot Ion:252 Resp: 15416

Ion Ratio Lower Upper

252 100

253 25.8 0.0 51.4

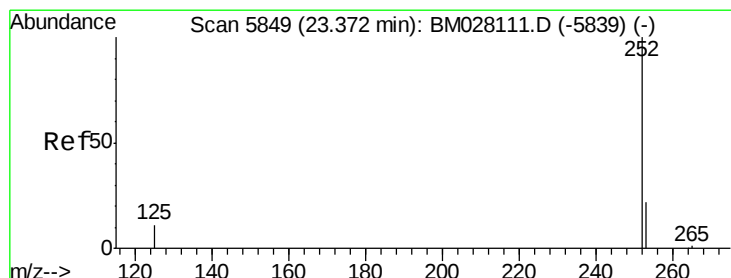
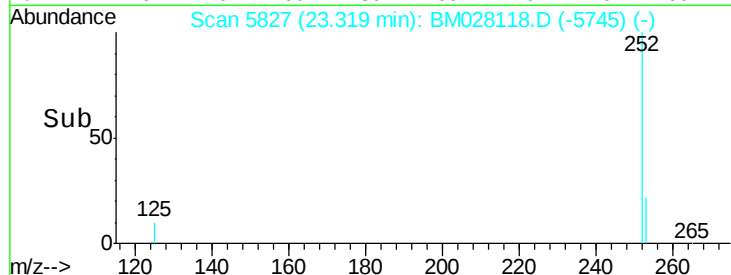
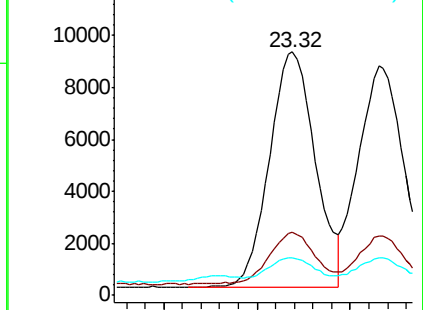
125 15.7 0.0 32.8



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



#25

Benzo(k)fluoranthene

Concen: 0.471 ng/ul

RT: 23.37 min Scan# 5846

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

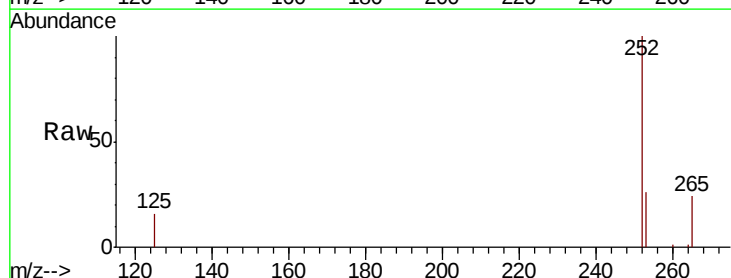
Tgt Ion:252 Resp: 14583

Ion Ratio Lower Upper

252 100

253 26.0 21.1 31.7

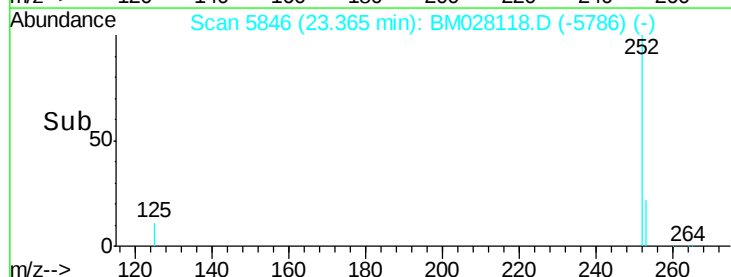
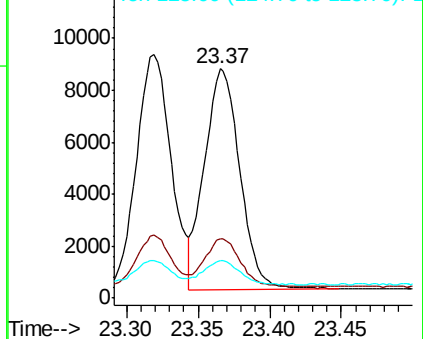
125 16.3 13.4 20.2

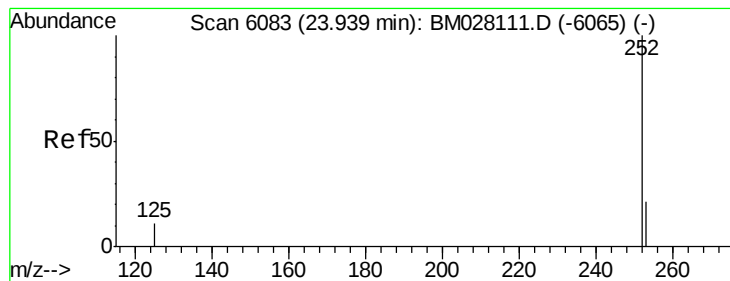


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.483 ng/ul

RT: 23.93 min Scan# 6081

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

BNA_M

ClientSampleId :

SLCS446

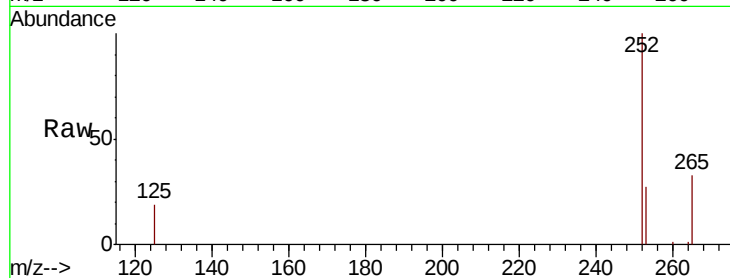
Tot Ion:252 Resp: 12836

Ion Ratio Lower Upper

252 100

253 27.4 22.3 33.5

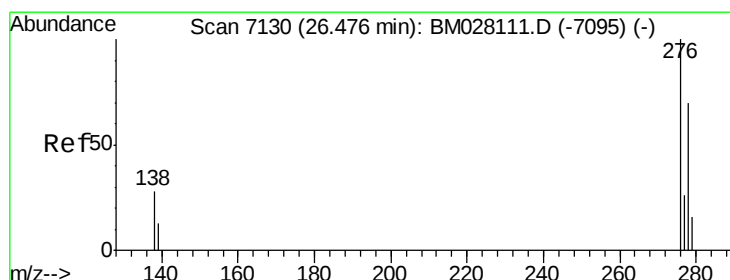
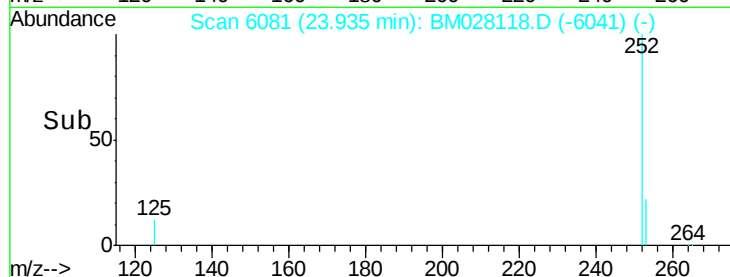
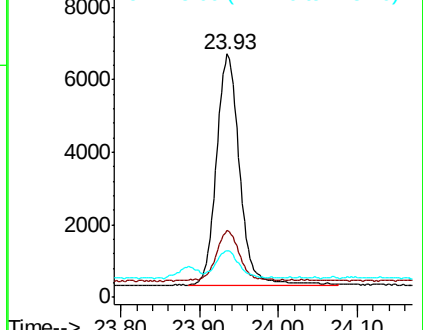
125 18.9 16.1 24.1



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.515 ng/ul

RT: 26.47 min Scan# 7128

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

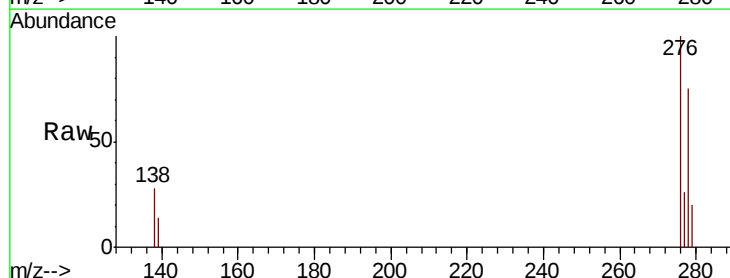
Tgt Ion:276 Resp: 16608

Ion Ratio Lower Upper

276 100

138 26.8 21.7 32.5

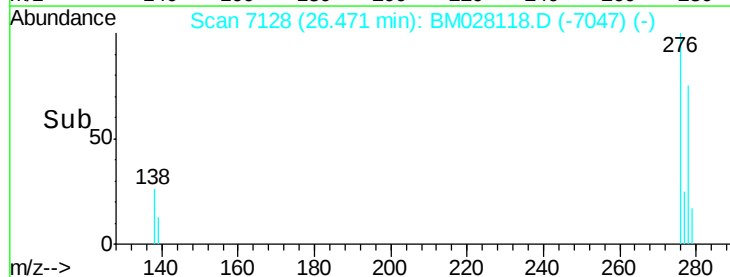
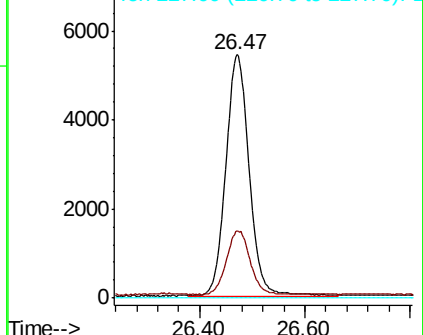
227 0.0 0.0 0.0

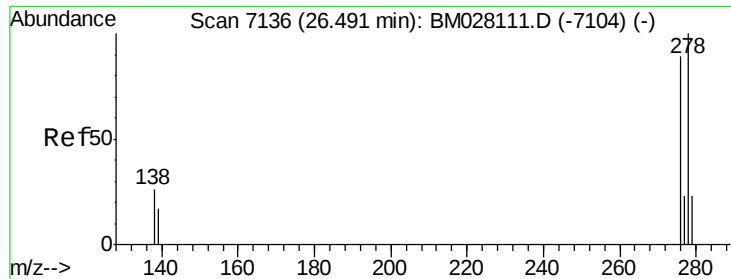


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.515 ng/ul

RT: 26.48 min Scan# 7133

Delta R.T. 0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

Instrument :

BNA_M

ClientSampleId :

SLCS446

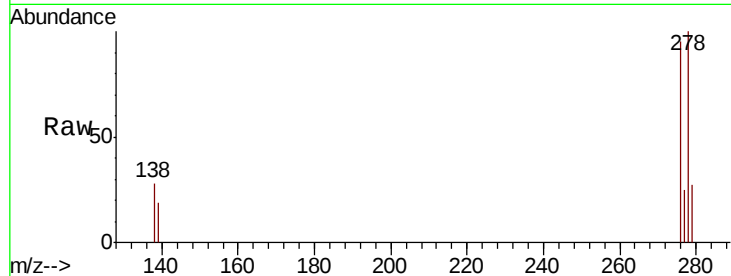
Tot Ion:278 Resp: 13921

Ion Ratio Lower Upper

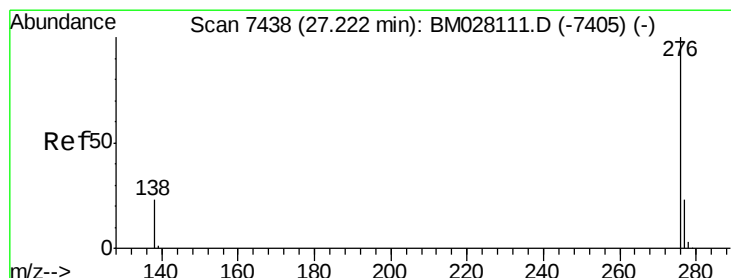
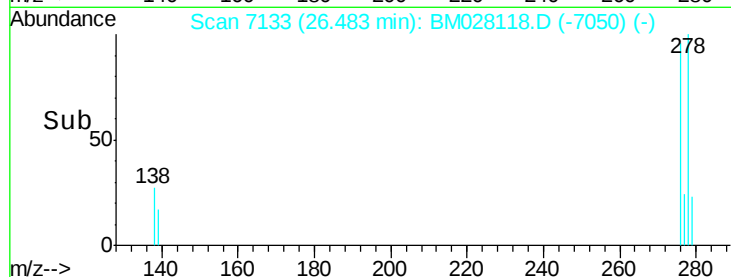
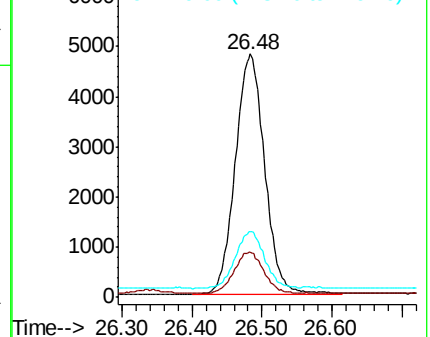
278 100

139 18.8 15.2 22.8

279 26.8 22.2 33.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 0.515 ng/ul

RT: 27.22 min Scan# 7436

Delta R.T. -0.00 min

Lab File: BM028118.D

Acq: 14 Dec 2020 19:02

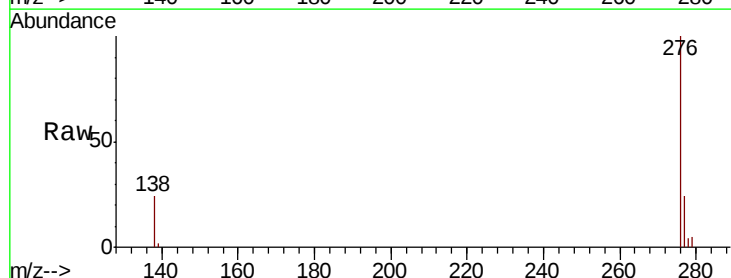
Tgt Ion:276 Resp: 14483

Ion Ratio Lower Upper

276 100

138 24.2 19.7 29.5

277 24.1 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

