

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121420\
 Data File : BM028113.D
 Acq On : 14 Dec 2020 13:43
 Operator : JU/CG
 Sample : PB133434BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS434

Quant Time: Dec 14 14:18:30 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 : Mon Dec 14 12:18:00 2020
 Response via : Initial Calibration

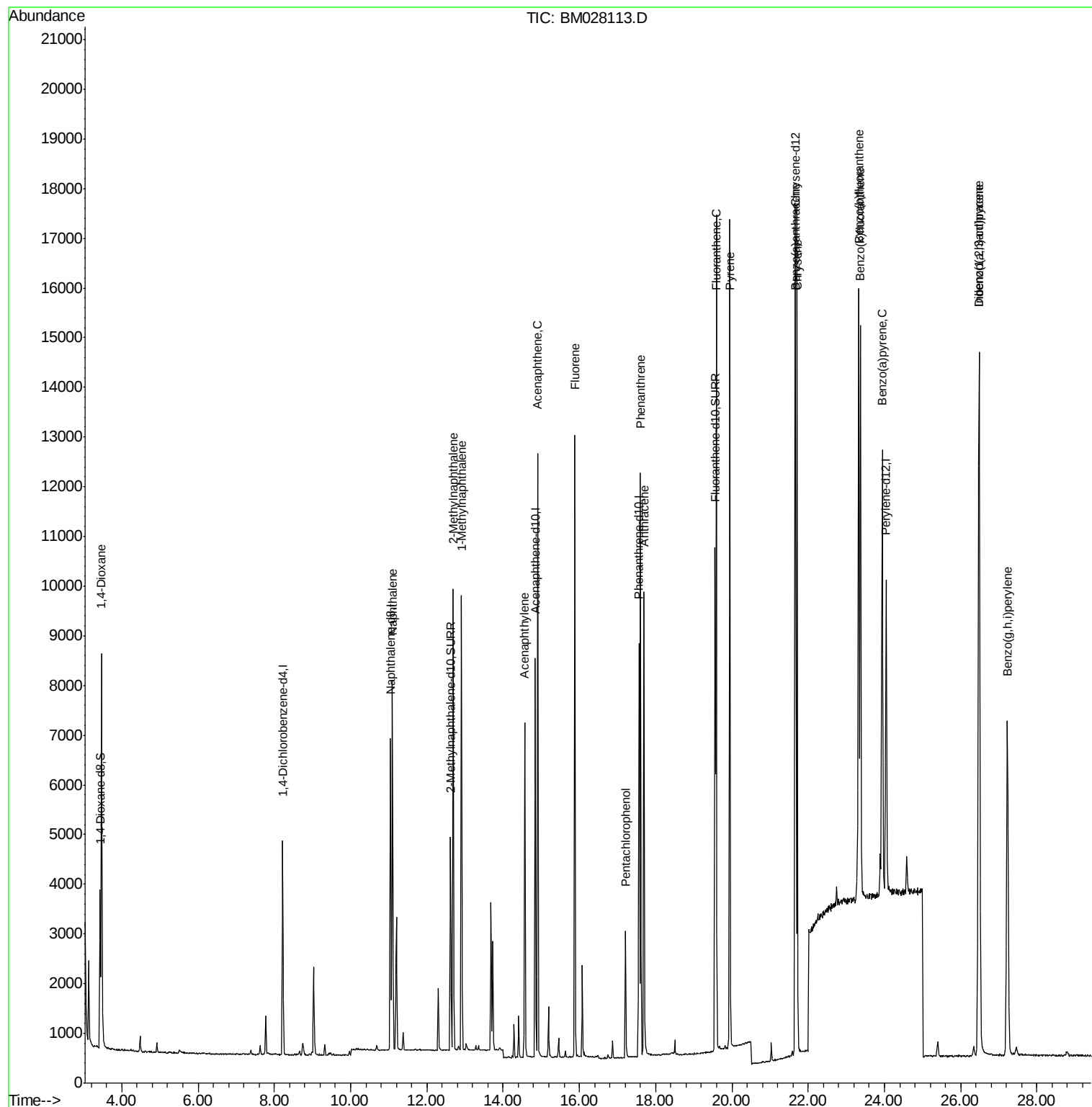
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	2101	0.40	ng/ul	0.00
4) Naphthalene-d8	11.05	136	8123	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.84	164	4428	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.56	188	9417	0.40	ng/ul	0.00
17) Chrysene-d12	21.67	240	9359	0.40	ng/ul	0.00
23) Perylene-d12	24.05	264	8855	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.43	96	2049	0.86	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.62	152	5312	0.43	ng/ul	0.00
18) Fluoranthene-d10	19.56	212	10628	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.47	88	5459	2.053	ng/ul	91
5) Naphthalene	11.10	128	9882	0.431	ng/ul	100
7) 2-Methylnaphthalene	12.69	142	6407	0.424	ng/ul	99
8) 1-Methylnaphthalene	12.91	142	6135	0.425	ng/ul	100
10) Acenaphthylene	14.57	152	7282	0.407	ng/ul	100
11) Acenaphthene	14.91	153	6617	0.421	ng/ul	99
12) Fluorene	15.88	166	7487	0.419	ng/ul	99
14) Pentachlorophenol	17.21	266	1604	0.671	ng/ul	99
15) Phenanthrene	17.60	178	12001	0.415	ng/ul	100
16) Anthracene	17.69	178	10246	0.404	ng/ul	99
19) Fluoranthene	19.59	202	13704	0.373	ng/ul	100
20) Pyrene	19.95	202	13796	0.376	ng/ul	100
21) Benzo(a)anthracene	21.66	228	13130	0.425	ng/ul	98
22) Chrysene	21.71	228	14617	0.440	ng/ul	99
24) Benzo(b)fluoranthene	23.32	252	15914	0.447	ng/ul	99
25) Benzo(k)fluoranthene	23.37	252	14926	0.436	ng/ul	99
26) Benzo(a)pyrene	23.94	252	12917	0.439	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.48	276	16381	0.459	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.49	278	13650	0.456	ng/ul	99
29) Benzo(a,h,i)perylene	27.22	276	14106	0.453	ng/ul	99

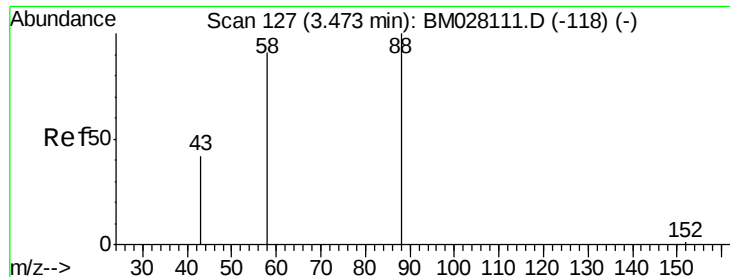
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
QLast Update : Mon Dec 14 12:18:00 2020
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#2

1,4-Dioxane

Concen: 2.053 ng/ul

RT: 3.47 min Scan# 125

Delta R.T. -0.01 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

Instrument :

BNA_M

ClientSampleId :

SLCS434

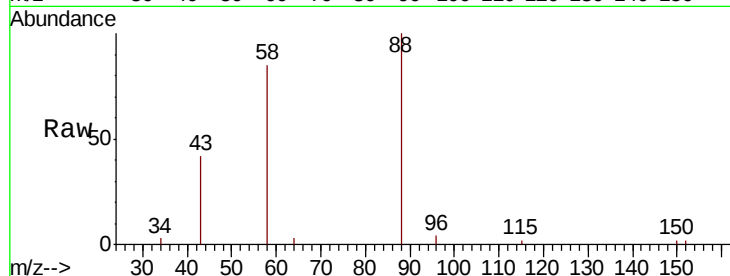
Tot Ion: 88 Resp: 5459

Ion Ratio Lower Upper

88 100

43 42.0 39.5 59.3

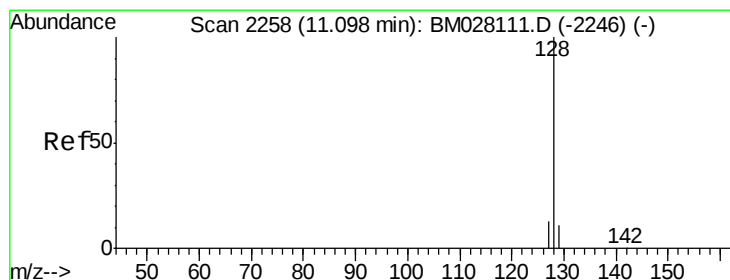
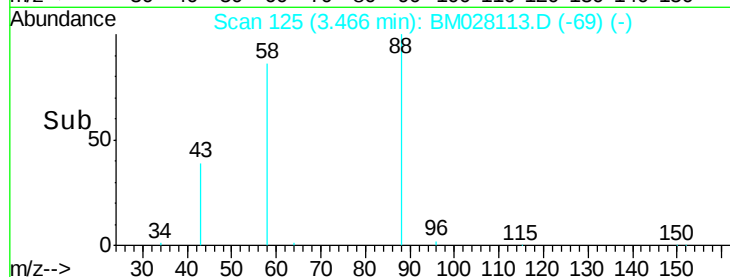
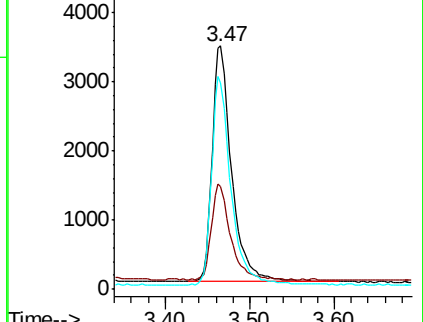
58 85.0 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): BM028113.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM028113.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM028113.D (-118) (-)



#5

Naphthalene

Concen: 0.431 ng/ul

RT: 11.10 min Scan# 2258

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

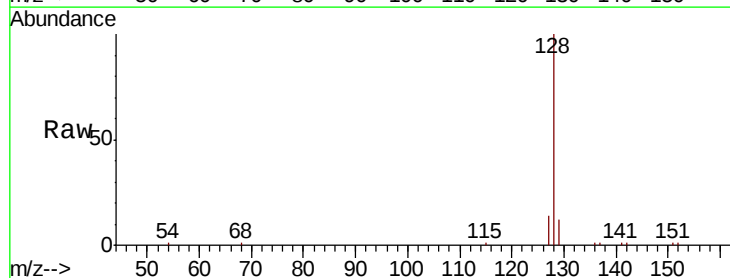
Tgt Ion: 128 Resp: 9882

Ion Ratio Lower Upper

128 100

129 11.8 9.2 13.8

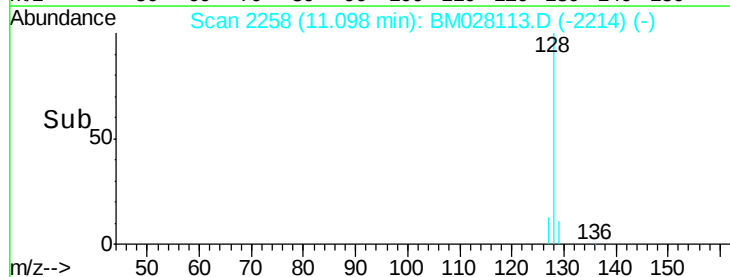
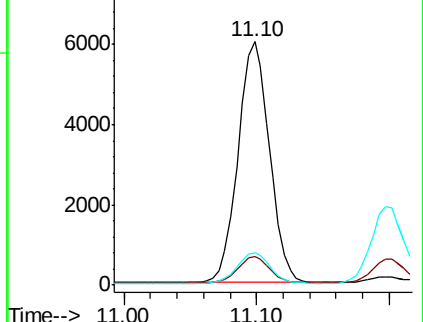
127 13.5 10.8 16.2

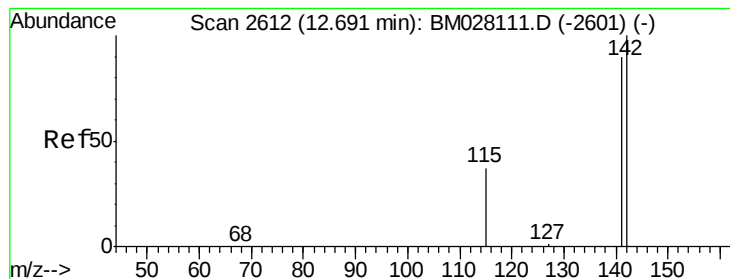


Abundance Ion 128.00 (127.70 to 128.70): BM028113.D (-2258) (-)

Ion 129.00 (128.70 to 129.70): BM028113.D (-2258) (-)

Ion 127.00 (126.70 to 127.70): BM028113.D (-2258) (-)





#7

2-Methylnaphthalene

Concen: 0.424 ng/ul

RT: 12.69 min Scan# 2612

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

Instrument :

BNA_M

ClientSampleId :

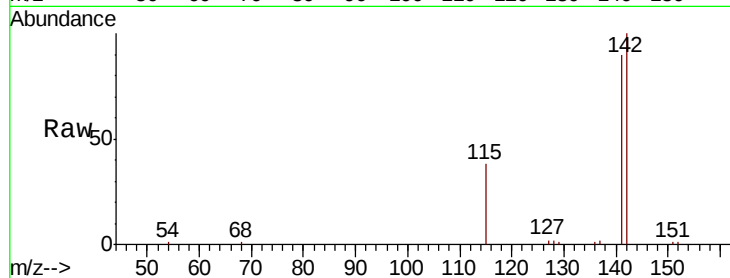
SLCS434

Tot Ion:142 Resp: 6407

Ion Ratio Lower Upper

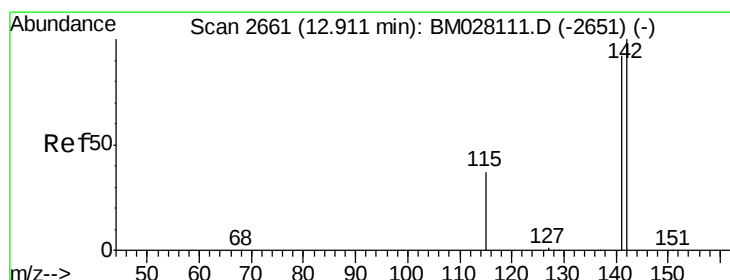
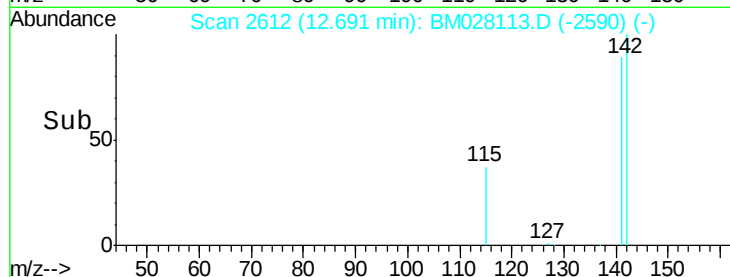
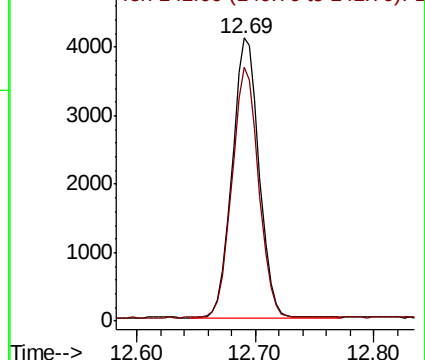
142 100

141 89.0 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: 0.425 ng/ul

RT: 12.91 min Scan# 2660

Delta R.T. -0.00 min

Lab File: BM028113.D

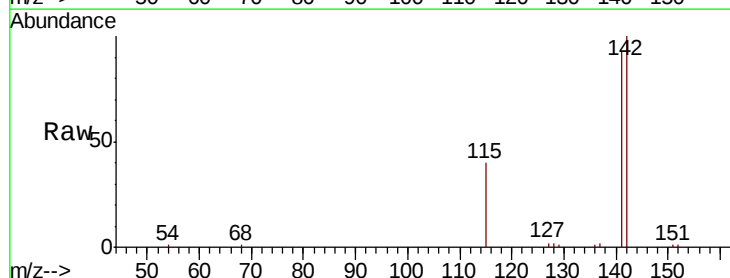
Acq: 14 Dec 2020 13:43

Tgt Ion:142 Resp: 6135

Ion Ratio Lower Upper

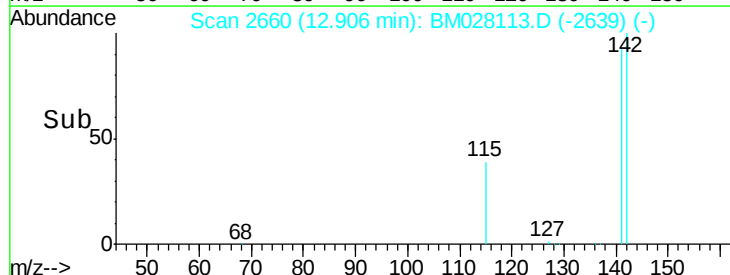
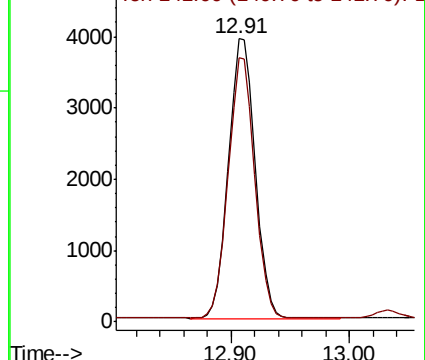
142 100

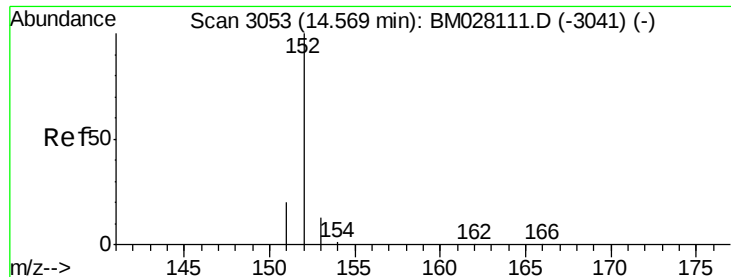
141 92.0 73.8 110.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.407 ng/ul

RT: 14.57 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

Instrument :

BNA_M

ClientSampleId :

SLCS434

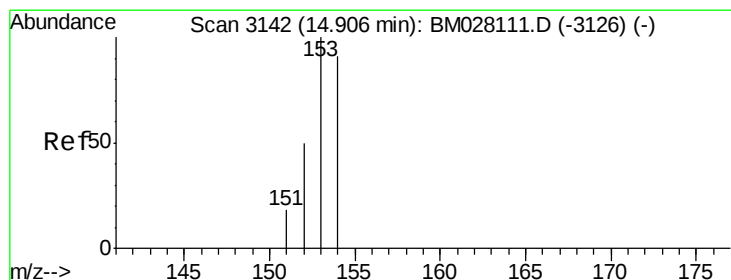
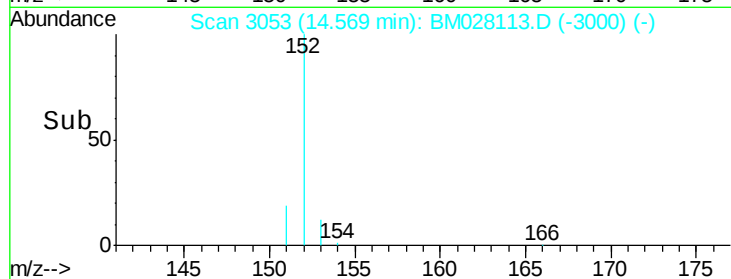
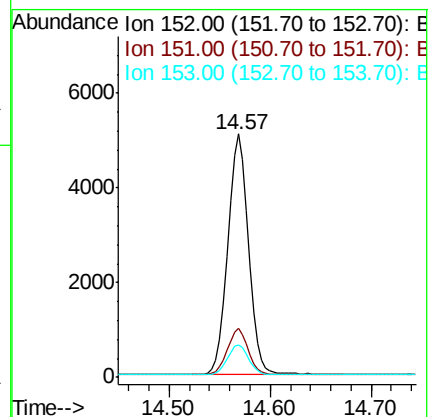
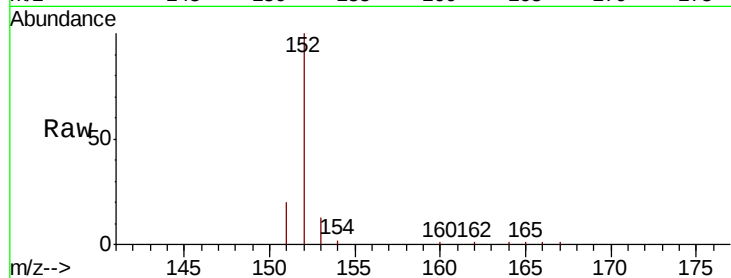
Tot Ion:152 Resp: 7282

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.2 10.7 16.1



#11

Acenaphthene

Concen: 0.421 ng/ul

RT: 14.91 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

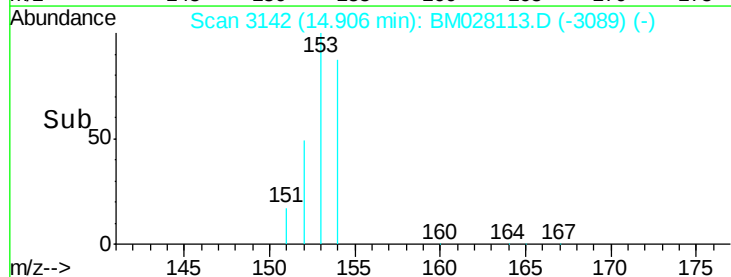
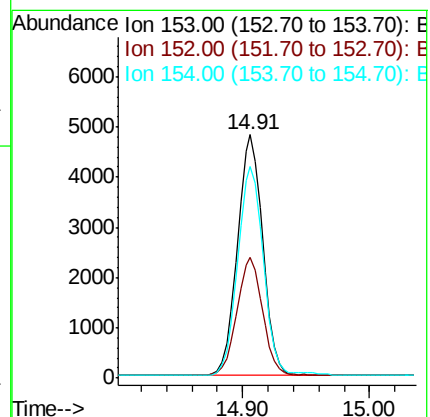
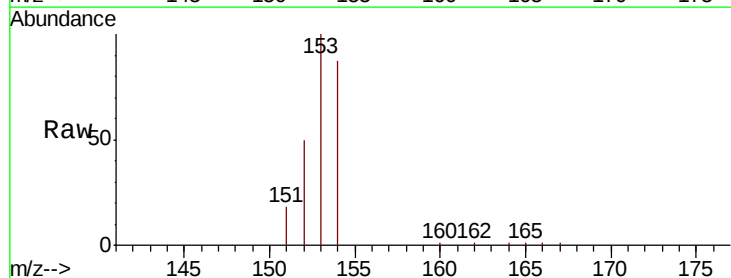
Tgt Ion:153 Resp: 6617

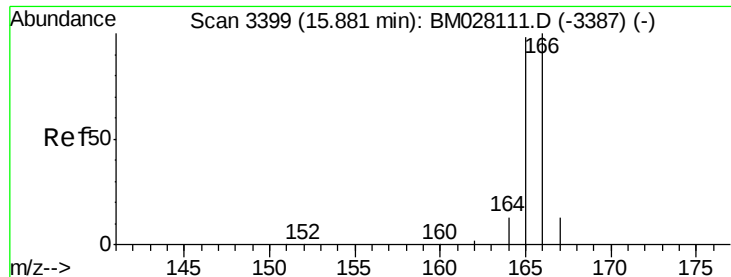
Ion Ratio Lower Upper

153 100

152 49.5 39.5 59.3

154 87.0 71.0 106.4





#12

Fluorene

Concen: 0.419 ng/ul

RT: 15.88 min Scan# 3399

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

Instrument :

BNA_M

ClientSampleId :

SLCS434

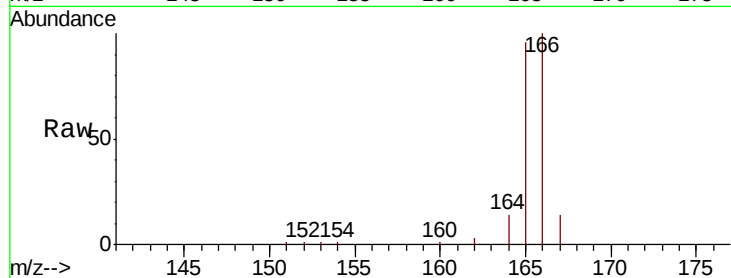
Tot Ion:166 Resp: 7487

Ion Ratio Lower Upper

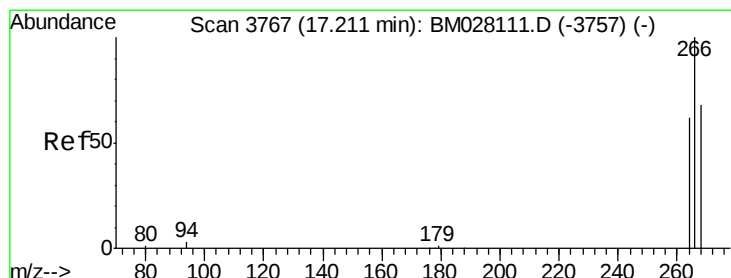
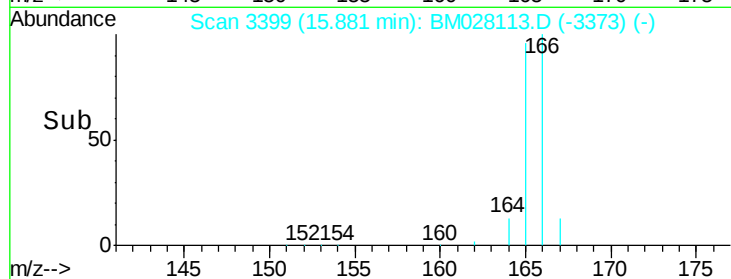
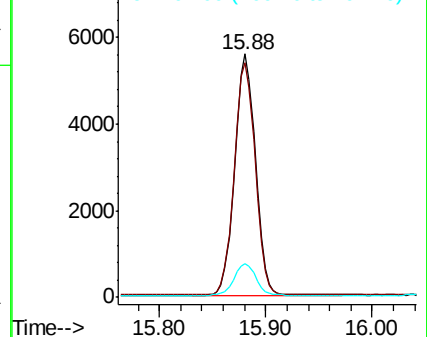
166 100

165 96.4 77.9 116.9

167 14.1 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: 0.671 ng/ul

RT: 17.21 min Scan# 3767

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

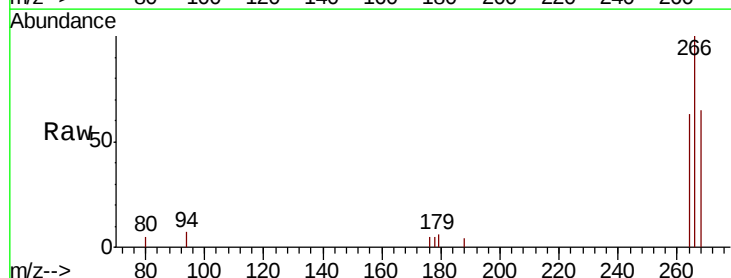
Tgt Ion:266 Resp: 1604

Ion Ratio Lower Upper

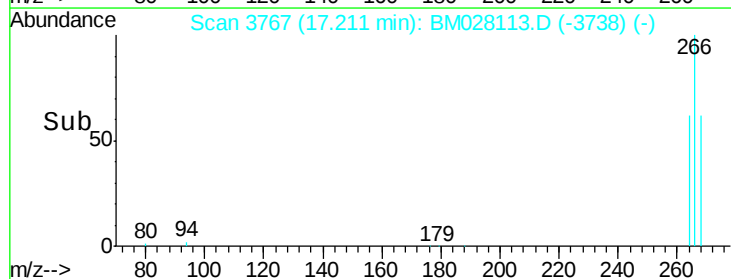
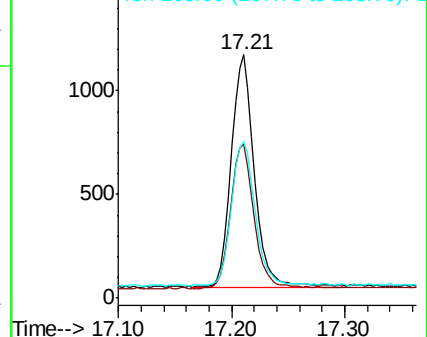
266 100

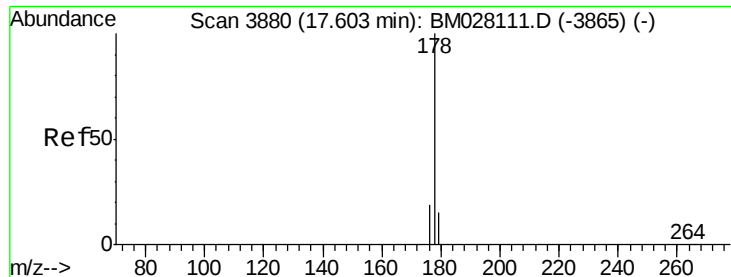
264 63.6 51.6 77.4

268 65.2 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: 0.415 ng/ul

RT: 17.60 min Scan# 3880

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

Instrument :

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ClientSampleId :

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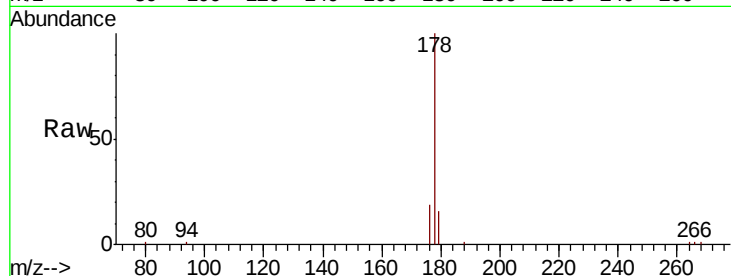
Tot Ion:178 Resp: 12001

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

176 18.7 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

12000

10000

8000

6000

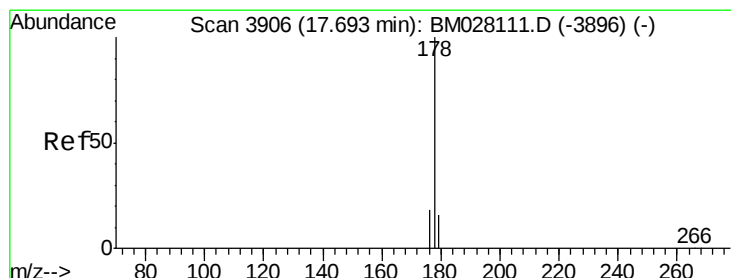
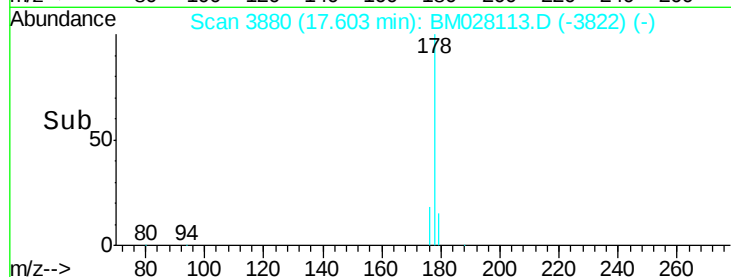
4000

2000

0

17.55 17.60 17.65

Time-->



#16

Anthracene

Concen: 0.404 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

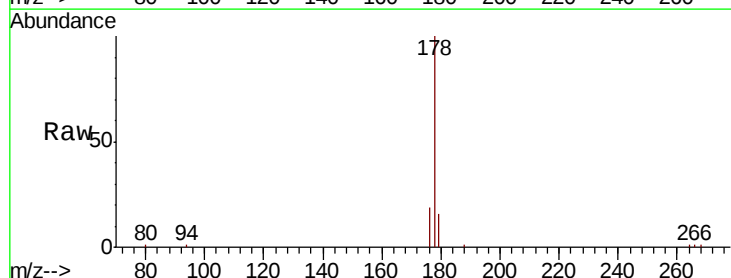
Tgt Ion:178 Resp: 10246

Ion Ratio Lower Upper

178 100

179 16.1 12.5 18.7

176 18.8 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

12000

10000

8000

6000

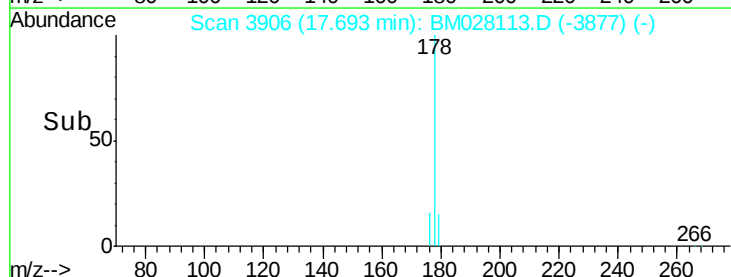
4000

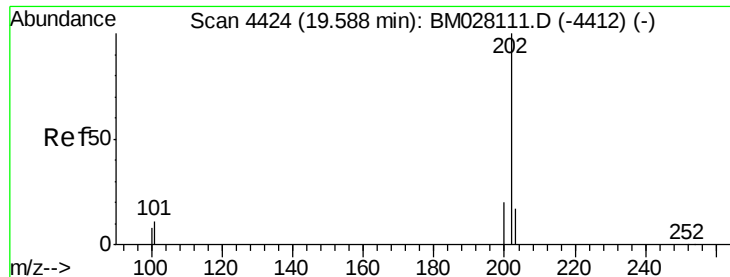
2000

0

17.60 17.70 17.80

Time-->





#19

Fluoranthene

Concen: 0.373 ng/ul

RT: 19.59 min Scan# 4424

Delta R.T. -0.00 min

Lab File: BM028113.D

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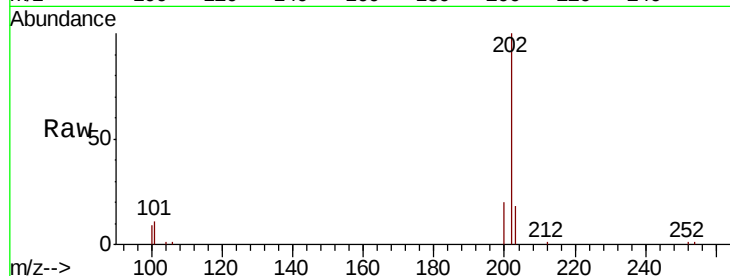
Tot Ion:202 Resp: 13704

Ion Ratio Lower Upper

202 100

101 11.2 8.8 13.2

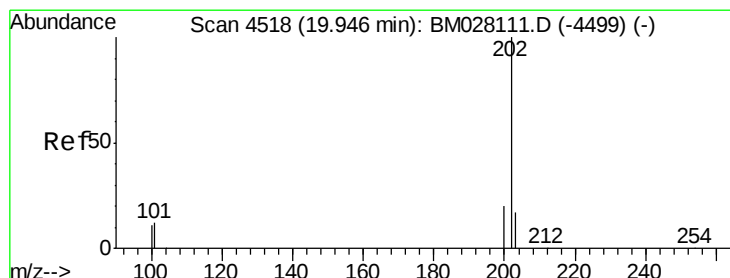
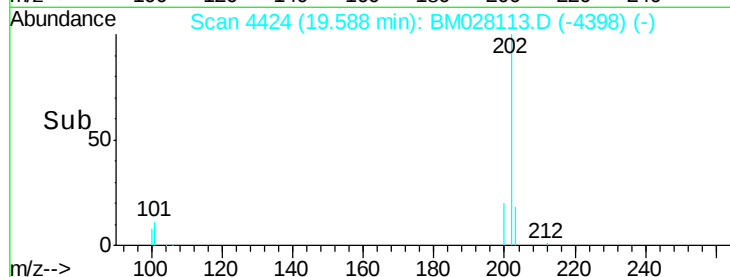
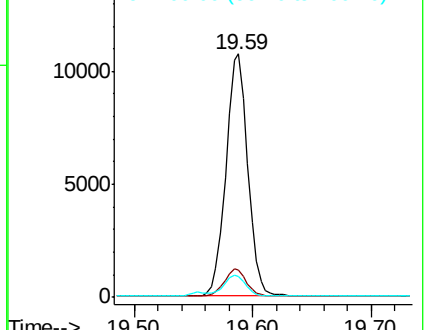
100 8.6 6.8 10.2



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: 0.376 ng/ul

RT: 19.95 min Scan# 4518

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

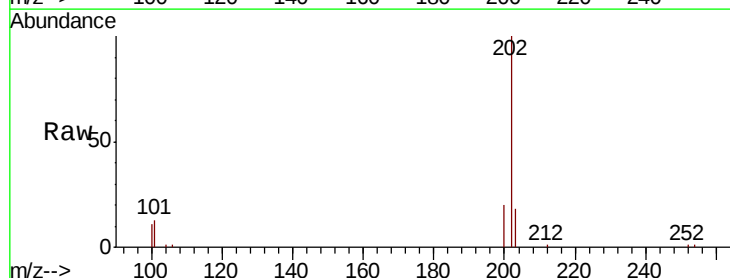
Tgt Ion:202 Resp: 13796

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

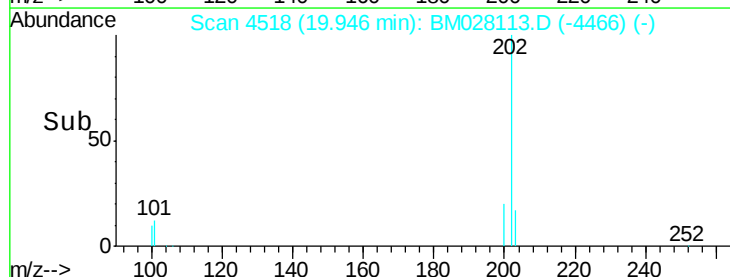
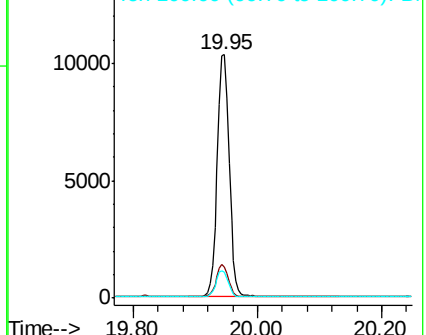
100 10.5 8.4 12.6

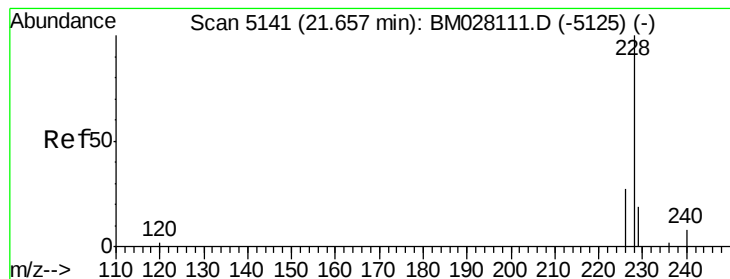


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.425 ng/ul

RT: 21.66 min Scan# 5141

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

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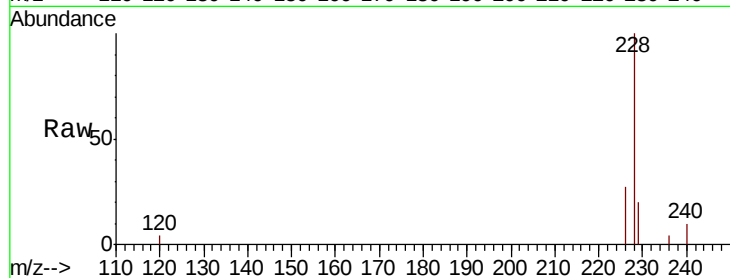
Tot Ion:228 Resp: 13130

Ion Ratio Lower Upper

228 100

229 20.2 15.7 23.5

226 26.8 20.7 31.1

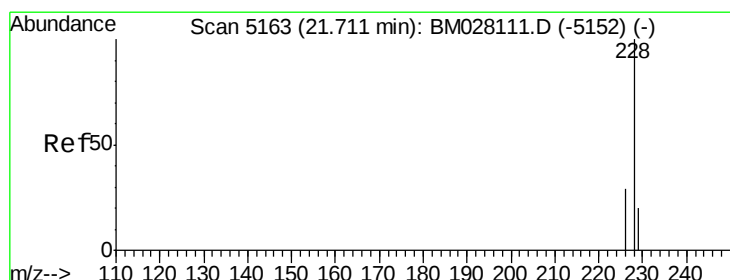
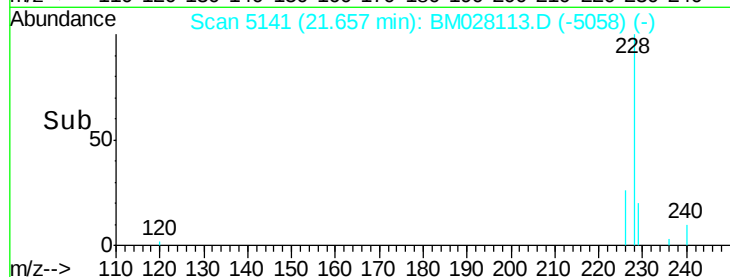
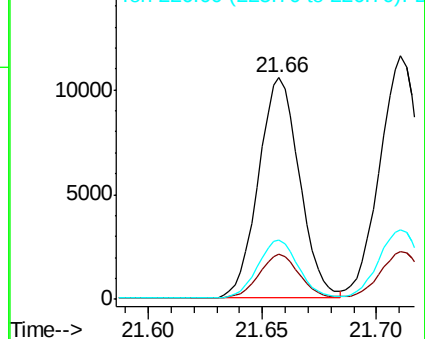


Abundance

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: 0.440 ng/ul

RT: 21.71 min Scan# 5163

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

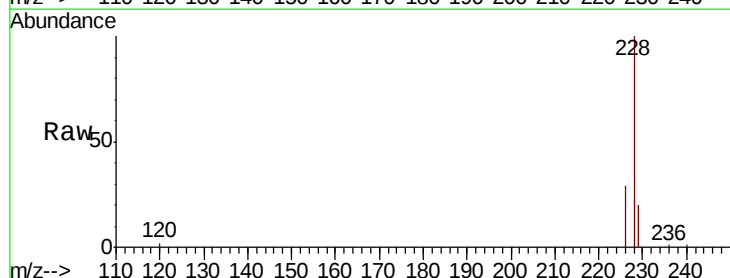
Tgt Ion:228 Resp: 14617

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.0

229 19.7 15.9 23.9

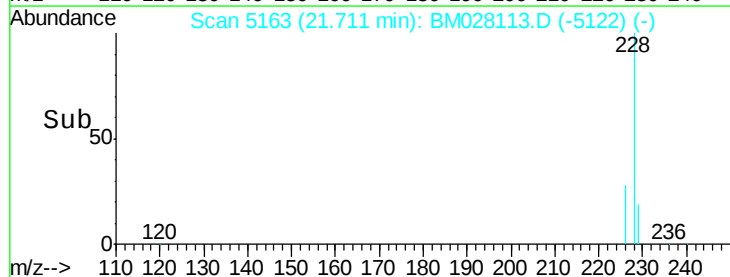
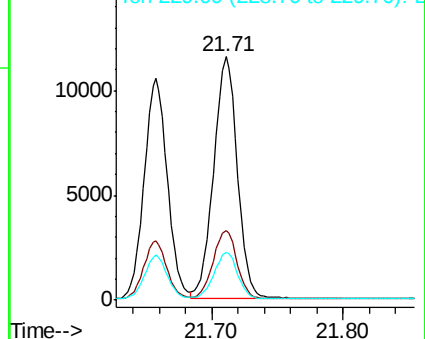


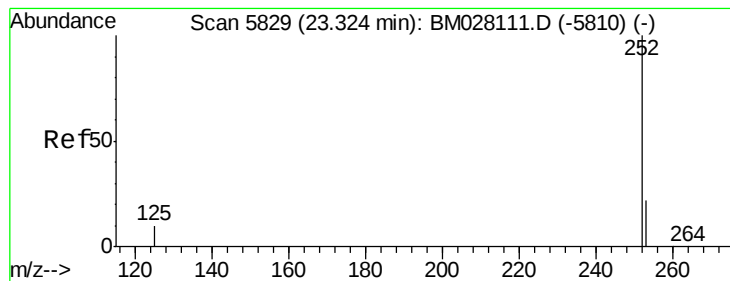
Abundance

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: 0.447 ng/ul

RT: 23.32 min Scan# 5829

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

Instrument :

BNA_M

ClientSampleId :

SLCS434

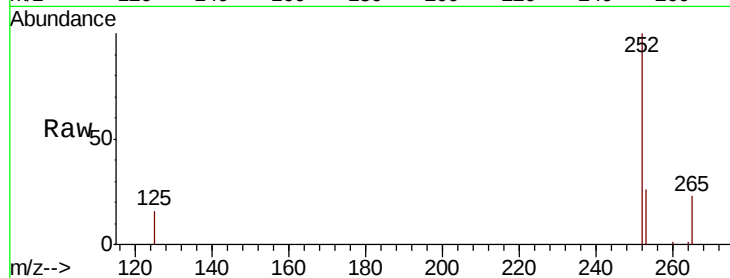
Tot Ion:252 Resp: 15914

Ion Ratio Lower Upper

252 100

253 25.9 0.0 51.4

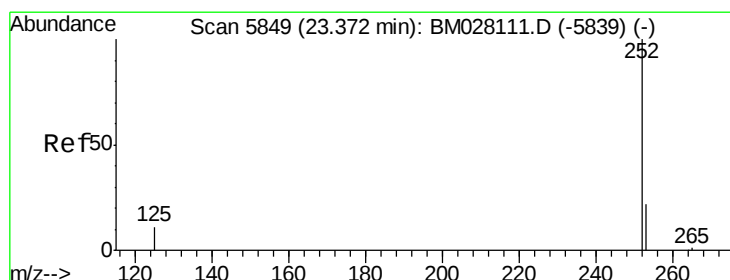
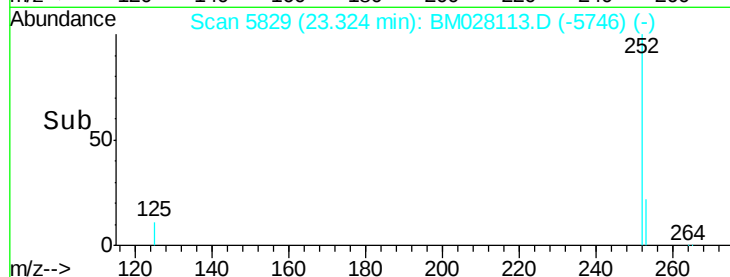
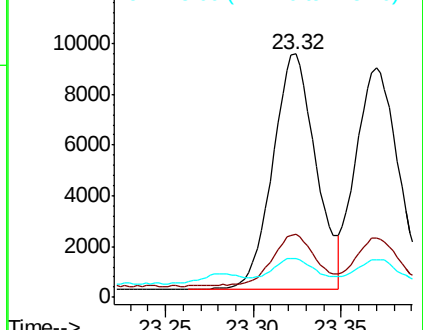
125 16.0 0.0 32.8



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: 0.436 ng/ul

RT: 23.37 min Scan# 5848

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

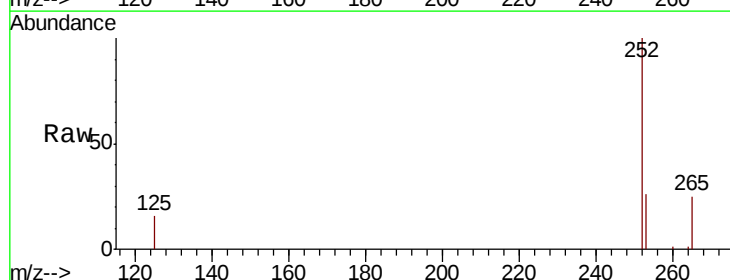
Tgt Ion:252 Resp: 14926

Ion Ratio Lower Upper

252 100

253 25.8 21.1 31.7

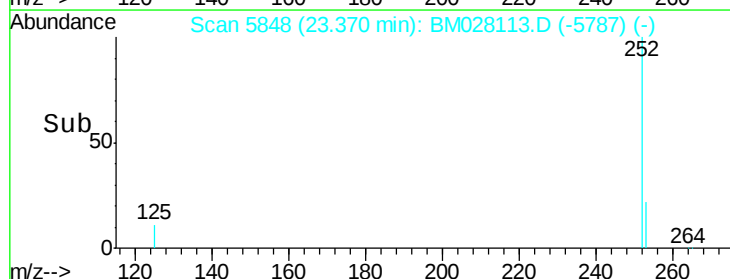
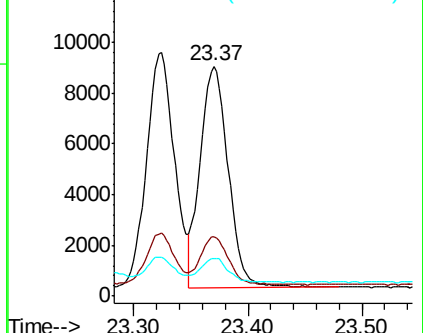
125 16.4 13.4 20.2

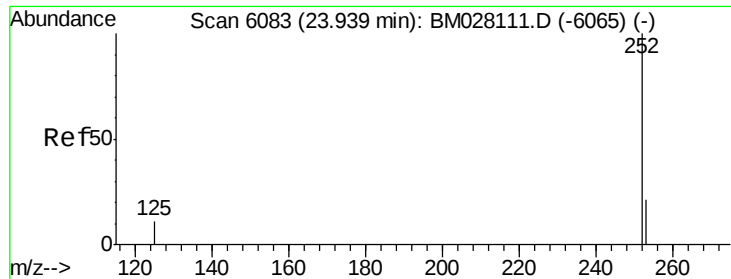


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.439 ng/ul

RT: 23.94 min Scan# 6083

Delta R.T. -0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

Instrument :

BNA_M

ClientSampleId :

SLCS434

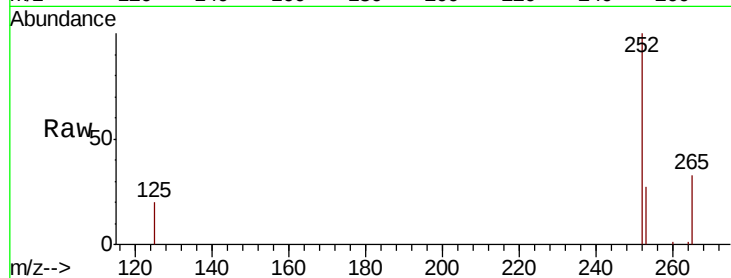
Tot Ion:252 Resp: 12917

Ion Ratio Lower Upper

252 100

253 27.2 22.3 33.5

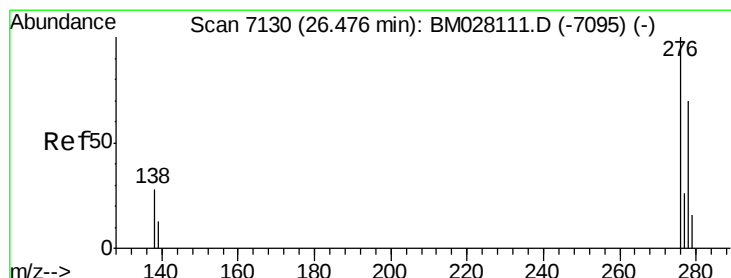
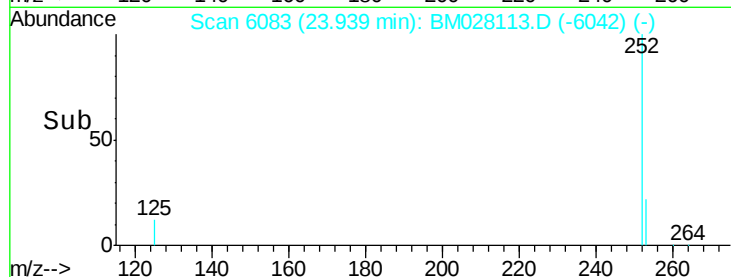
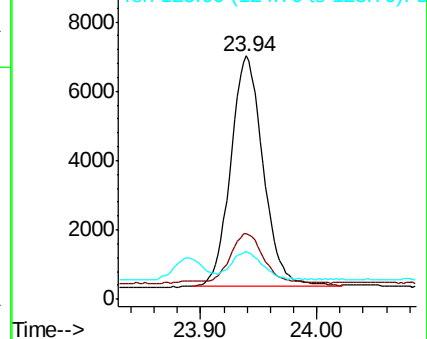
125 19.8 16.1 24.1



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: 0.459 ng/ul

RT: 26.48 min Scan# 7131

Delta R.T. 0.00 min

Lab File: BM028113.D

Acq: 14 Dec 2020 13:43

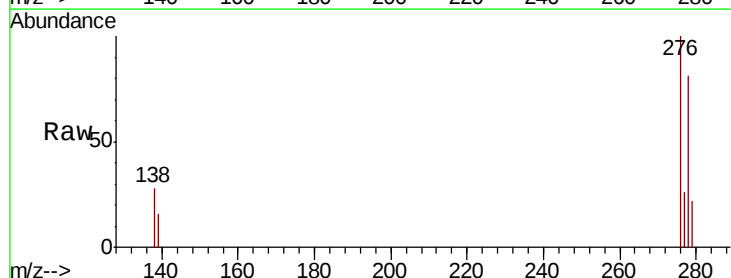
Tgt Ion:276 Resp: 16381

Ion Ratio Lower Upper

276 100

138 27.7 21.7 32.5

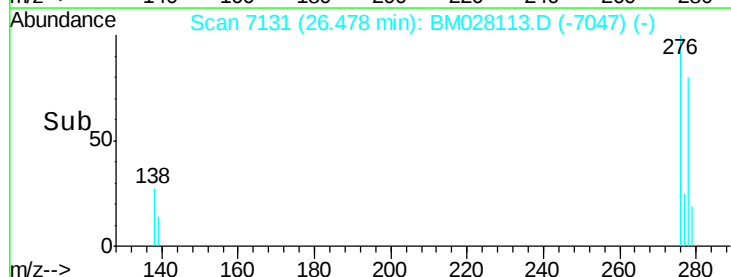
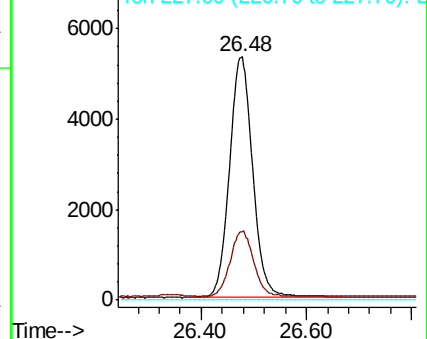
227 0.0 0.0 0.0

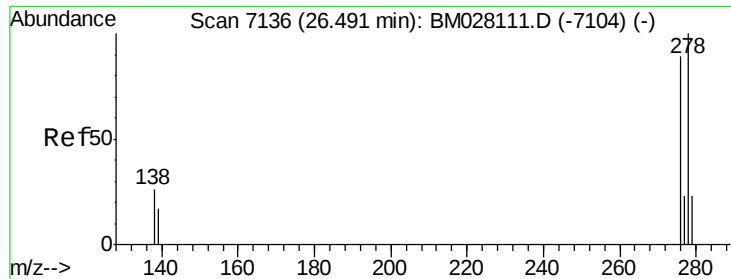


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



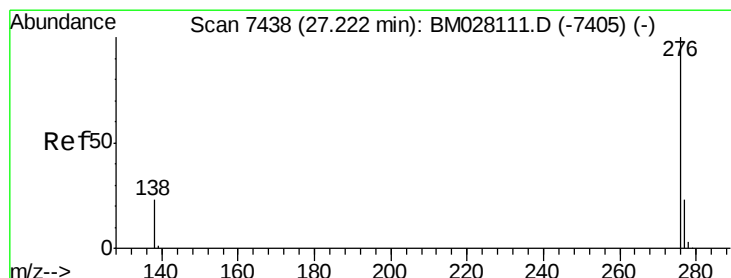
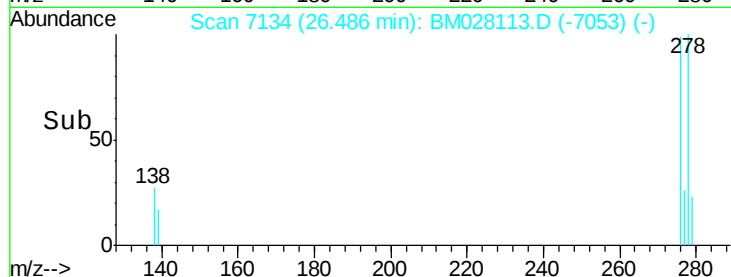
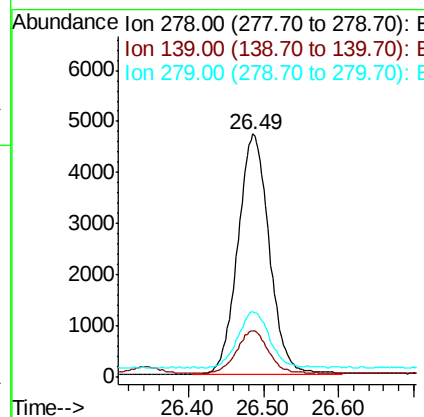
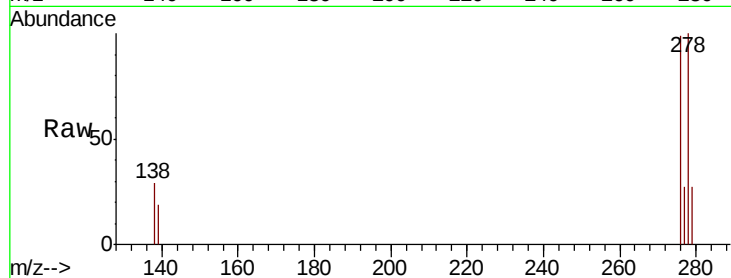


#28
Dibenzo(a,h)anthracene
Concen: 0.456 ng/ul
RT: 26.49 min Scan# 7134
Delta R.T. -0.00 min
Lab File: BM028113.D
Acq: 14 Dec 2020 13:43

Instrument :
BNA_M
ClientSampleId :
SLCS434

Tot Ion:278 Resp: 13650

Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.2	22.8
279	27.0	22.2	33.4



#29
Benzo(g,h,i)perylene
Concen: 0.453 ng/ul
RT: 27.22 min Scan# 7439
Delta R.T. 0.00 min
Lab File: BM028113.D
Acq: 14 Dec 2020 13:43

Tgt Ion:276 Resp: 14106

Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.7	29.5
277	25.0	20.6	31.0

