

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123020\
 Data File : BM028288.D
 Acq On : 30 Dec 2020 16:41
 Operator : JU/CG
 Sample : PB133823BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS823

Quant Time: Dec 30 17:12:25 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 : Wed Dec 30 10:02:26 2020
 Response via : Initial Calibration

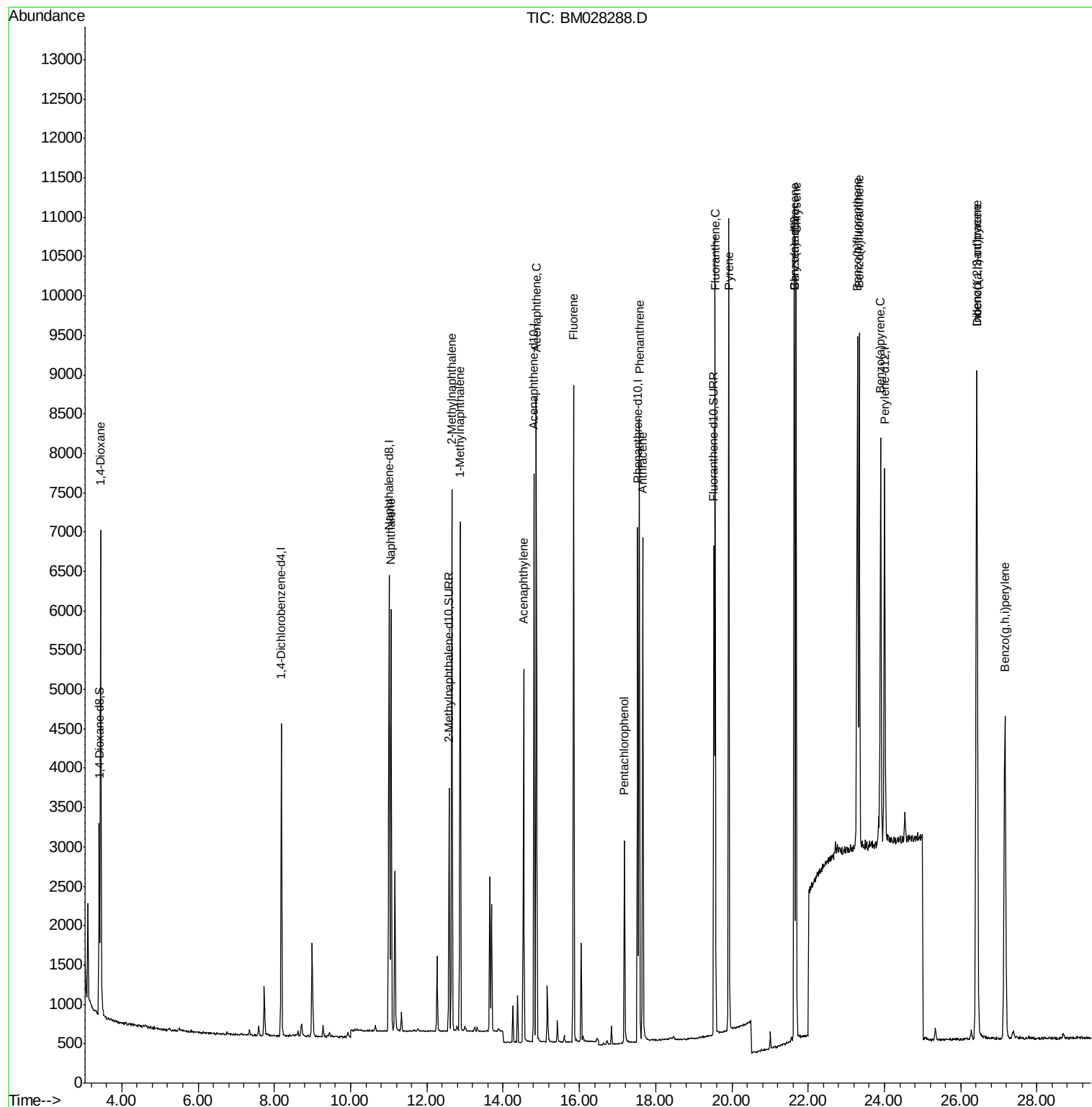
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	1986	0.40	ng/ul	0.00
4) Naphthalene-d8	11.01	136	7542	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.81	164	3838	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.53	188	7569	0.40	ng/ul	0.00
17) Chrysene-d12	21.65	240	6658	0.40	ng/ul	0.00
23) Perylene-d12	24.00	264	6386	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	1448	0.64	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.58	152	3783	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.53	212	6543	0.33	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.44	88	3772	1.501	ng/ul	94
5) Naphthalene	11.06	128	7186	0.337	ng/ul	99
7) 2-Methylnaphthalene	12.65	142	4605	0.328	ng/ul	99
8) 1-Methylnaphthalene	12.88	142	4353	0.325	ng/ul	100
10) Acenaphthylene	14.53	152	5397	0.348	ng/ul	99
11) Acenaphthene	14.87	153	4630	0.340	ng/ul	100
12) Fluorene	15.85	166	5112	0.330	ng/ul	100
14) Pentachlorophenol	17.18	266	1648	0.858	ng/ul	99
15) Phenanthrene	17.57	178	7949	0.342	ng/ul	99
16) Anthracene	17.66	178	6993	0.343	ng/ul	98
19) Fluoranthene	19.56	202	8583	0.328	ng/ul	97
20) Pyrene	19.92	202	8626	0.330	ng/ul	95
21) Benzo(a)anthracene	21.63	228	7894	0.360	ng/ul	99
22) Chrysene	21.69	228	8254	0.349	ng/ul	100
24) Benzo(b)fluoranthene	23.29	252	8546	0.333	ng/ul	94
25) Benzo(k)fluoranthene	23.33	252	8367	0.339	ng/ul	97
26) Benzo(a)pyrene	23.90	252	7572	0.357	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.41	276	9843	0.382	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.43	278	8214	0.381	ng/ul	98
29) Benzo(a,h,i)perylene	27.16	276	8574	0.382	ng/ul	99

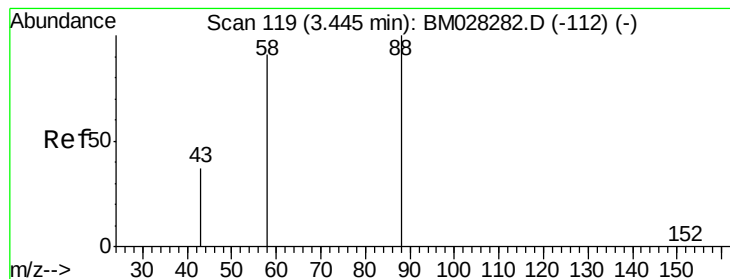
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 30 17:12:25 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 : Wed Dec 30 10:02:26 2020
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.501 ng/ul

RT: 3.44 min Scan# 118

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

BNA_M

ClientSampleId :

SLCS823

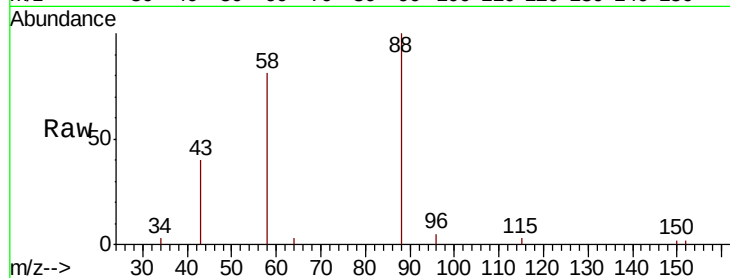
Tot Ion: 88 Resp: 3772

Ion Ratio Lower Upper

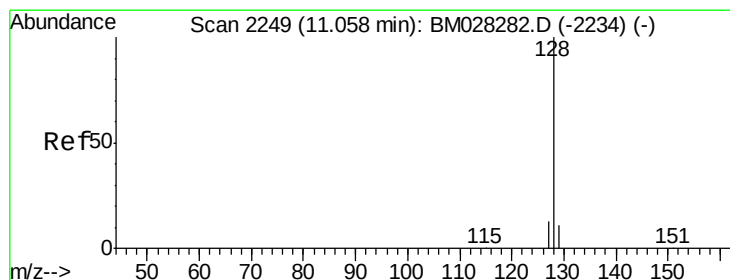
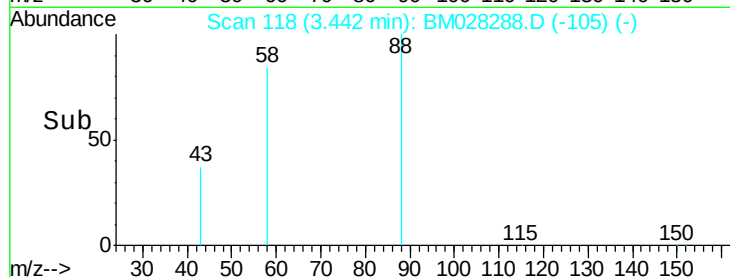
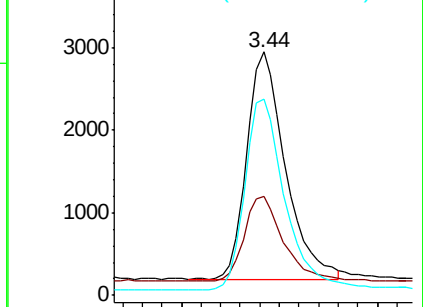
88 100

43 40.5 39.5 59.3

58 80.5 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 43.00 (42.70 to 43.70): BM0
Ion 58.00 (57.70 to 58.70): BM0



#5

Naphthalene

Concen: 0.337 ng/ul

RT: 11.06 min Scan# 2249

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

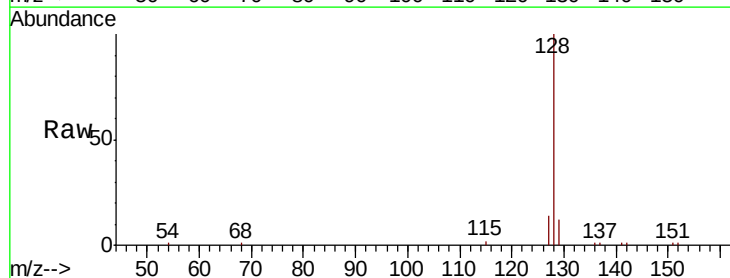
Tgt Ion: 128 Resp: 7186

Ion Ratio Lower Upper

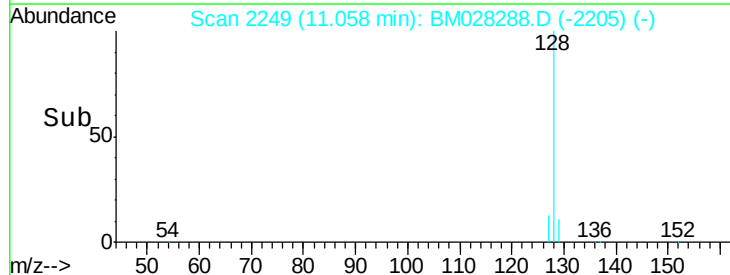
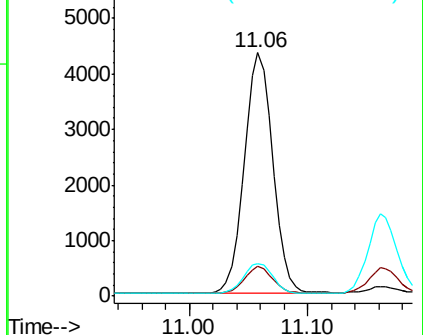
128 100

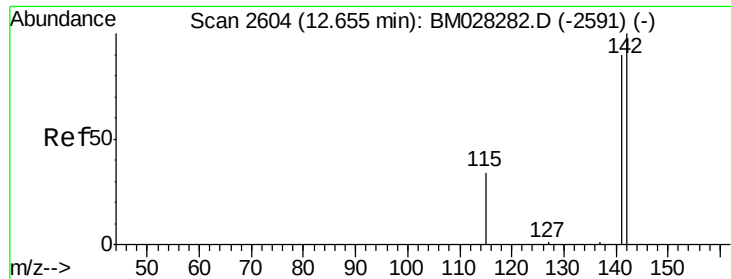
129 12.1 9.2 13.8

127 13.6 10.8 16.2



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





#7

2-Methylnaphthalene

Concen: 0.328 ng/ul

RT: 12.65 min Scan# 2604

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

BNA_M

ClientSampleId :

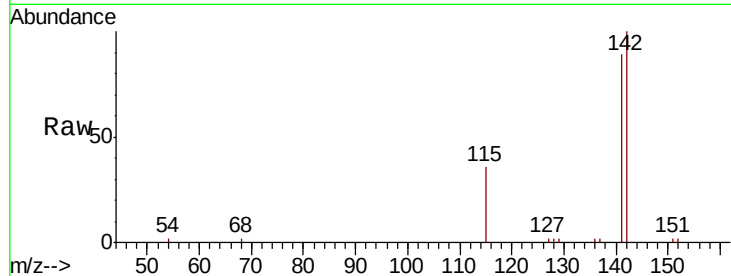
SLCS823

Tot Ion:142 Resp: 4605

Ion Ratio Lower Upper

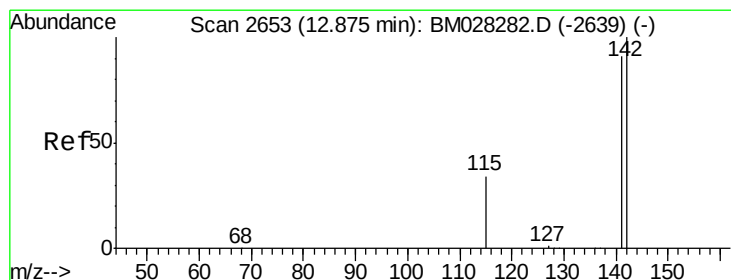
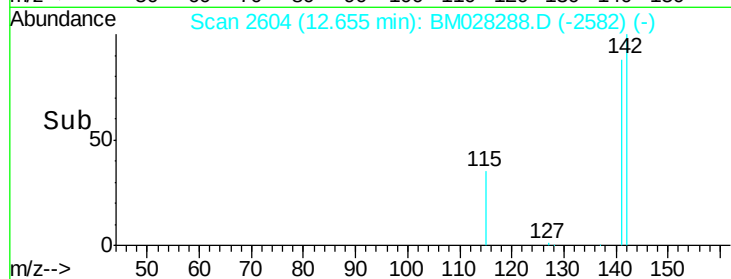
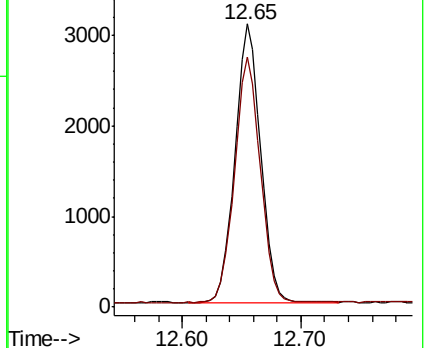
142 100

141 88.7 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: 0.325 ng/ul

RT: 12.88 min Scan# 2653

Delta R.T. -0.00 min

Lab File: BM028288.D

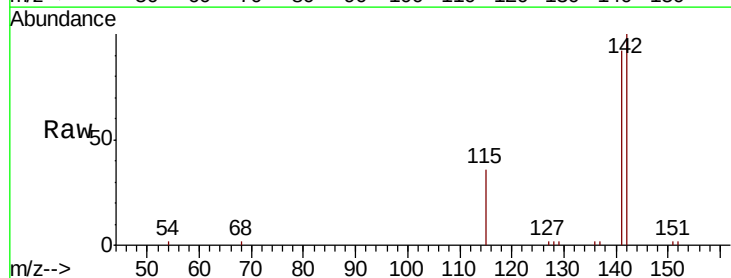
Acq: 30 Dec 2020 16:41

Tgt Ion:142 Resp: 4353

Ion Ratio Lower Upper

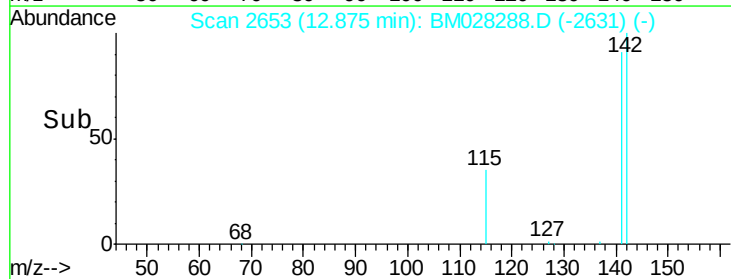
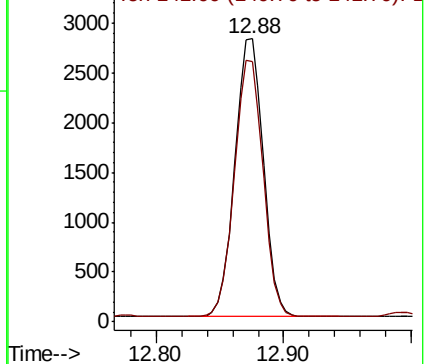
142 100

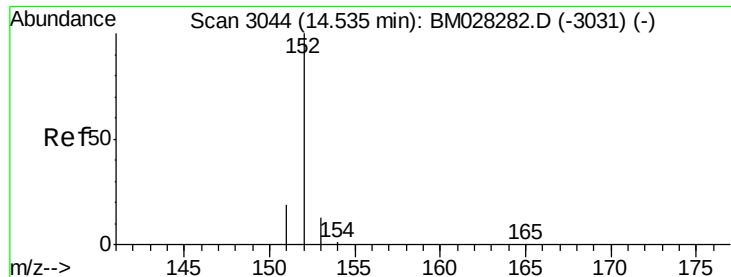
141 92.4 73.8 110.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.348 ng/ul

RT: 14.53 min Scan# 3044

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

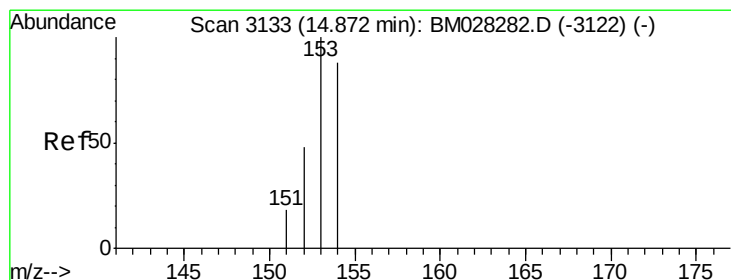
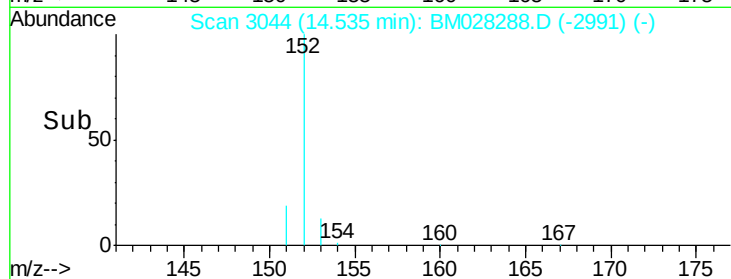
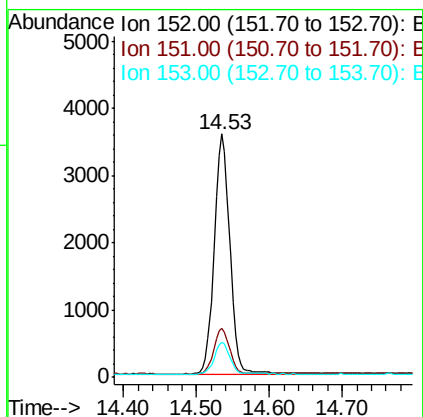
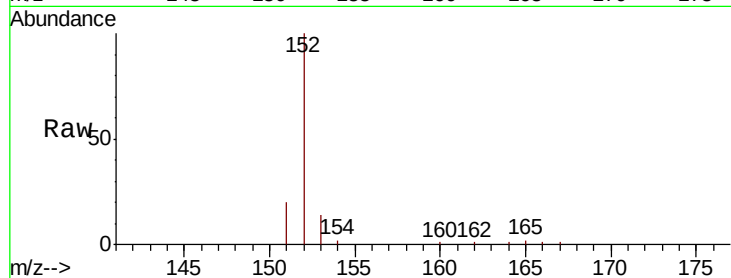
BNA_M

ClientSampleId :

SLCS823

Tot Ion:152 Resp: 5397

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	14.2	10.7	16.1



#11

Acenaphthene

Concen: 0.340 ng/ul

RT: 14.87 min Scan# 3133

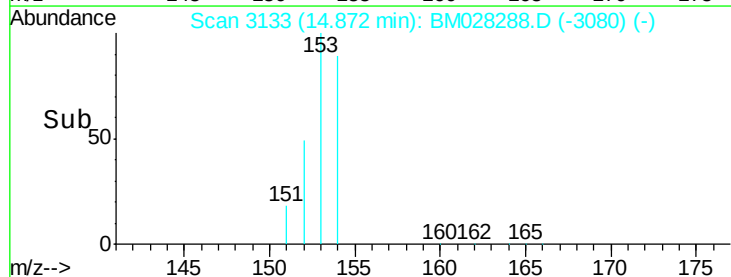
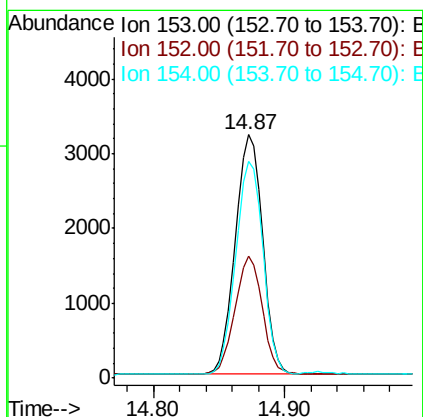
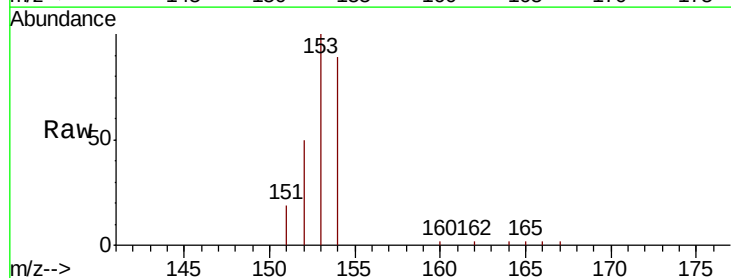
Delta R.T. -0.00 min

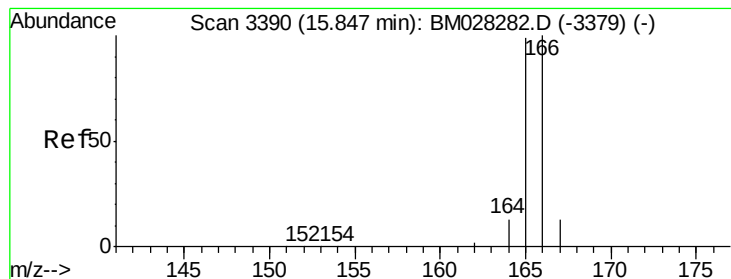
Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Tgt Ion:153 Resp: 4630

Ion	Ratio	Lower	Upper
153	100		
152	50.0	39.5	59.3
154	88.8	71.0	106.4





#12

Fluorene

Concen: 0.330 ng/ul

RT: 15.85 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

BNA_M

ClientSampleId :

SLCS823

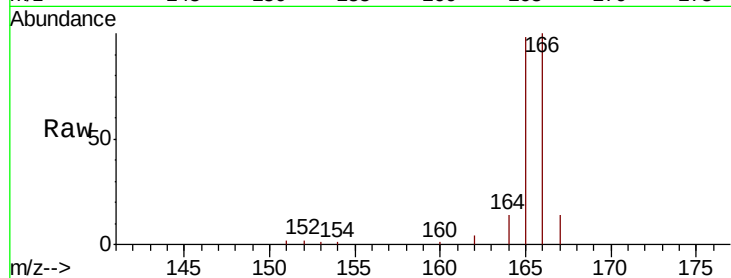
Tot Ion:166 Resp: 5112

Ion Ratio Lower Upper

166 100

165 97.5 77.9 116.9

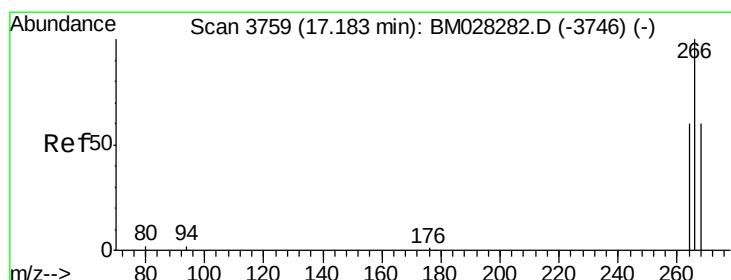
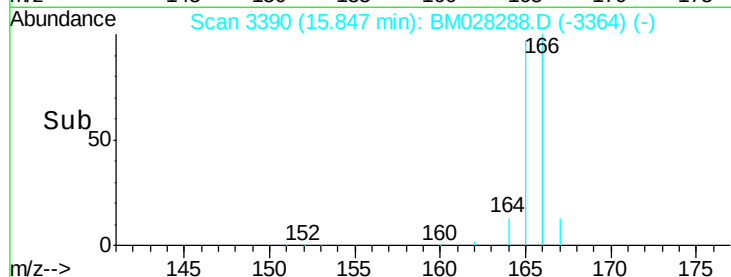
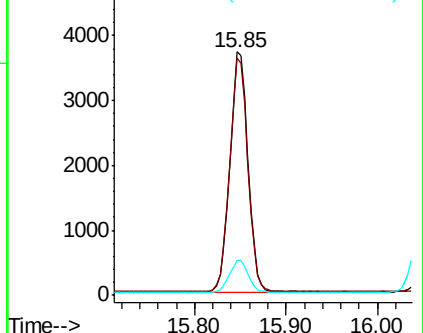
167 14.1 11.4 17.0



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: 0.858 ng/ul

RT: 17.18 min Scan# 3758

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

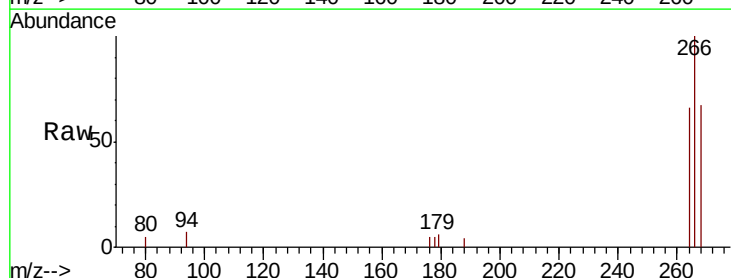
Tgt Ion:266 Resp: 1648

Ion Ratio Lower Upper

266 100

264 63.3 51.6 77.4

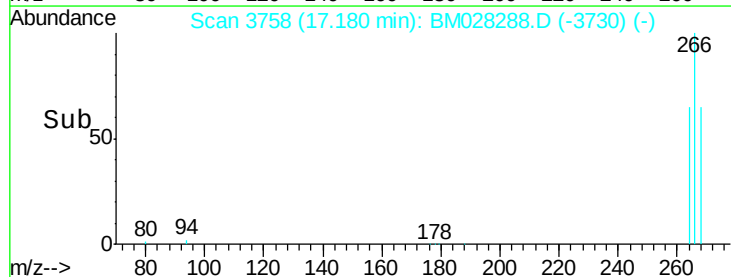
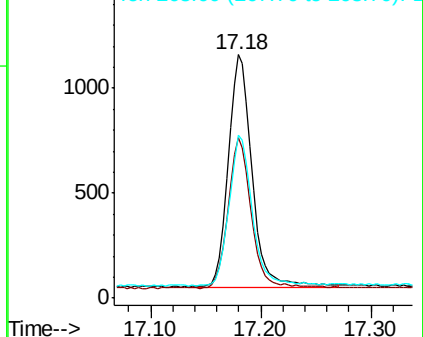
268 64.9 51.6 77.4

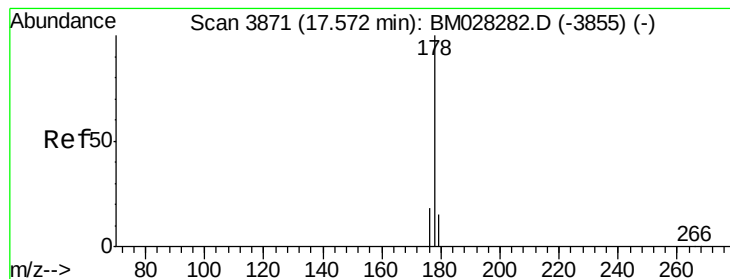


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.342 ng/ul

RT: 17.57 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

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ClientSampleId :

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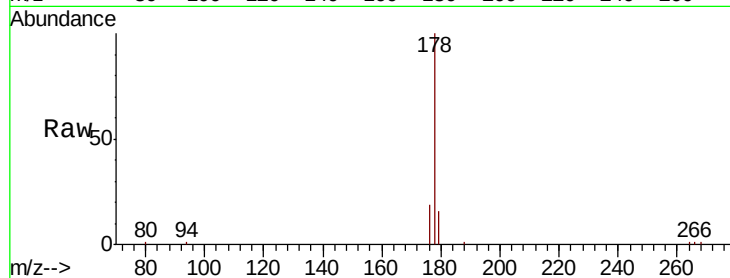
Tot Ion:178 Resp: 7949

Ion Ratio Lower Upper

178 100

179 16.1 12.6 18.8

176 18.8 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

8000

6000

4000

2000

0

17.57

17.55

17.57

17.59

17.61

17.63

17.65

17.67

17.69

17.71

17.73

17.75

17.77

17.79

17.81

17.83

17.85

17.87

17.89

17.91

17.93

17.95

17.97

17.99

18.01

18.03

18.05

18.07

18.09

18.11

18.13

18.15

18.17

18.19

18.21

18.23

18.25

18.27

18.29

18.31

18.33

18.35

18.37

18.39

18.41

18.43

18.45

18.47

18.49

18.51

18.53

18.55

18.57

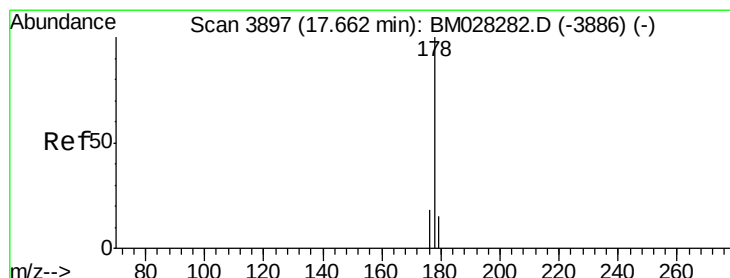
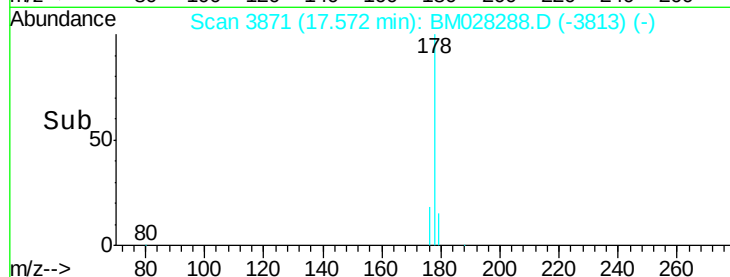
18.59

18.61

18.63

18.65

18.67



#16

Anthracene

Concen: 0.343 ng/ul

RT: 17.66 min Scan# 3897

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

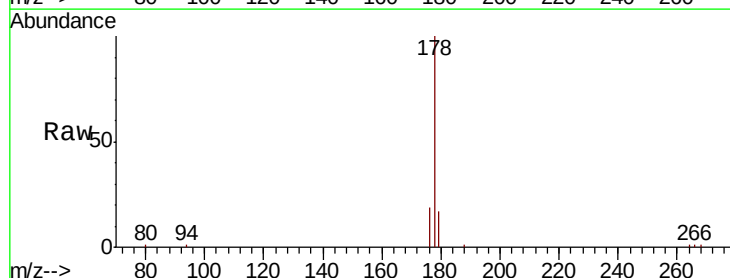
Tgt Ion:178 Resp: 6993

Ion Ratio Lower Upper

178 100

179 16.7 12.5 18.7

176 19.1 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

8000

6000

4000

2000

0

17.66

17.68

17.70

17.72

17.74

17.76

17.78

17.80

17.82

17.84

17.86

17.88

17.90

17.92

17.94

17.96

17.98

18.00

18.02

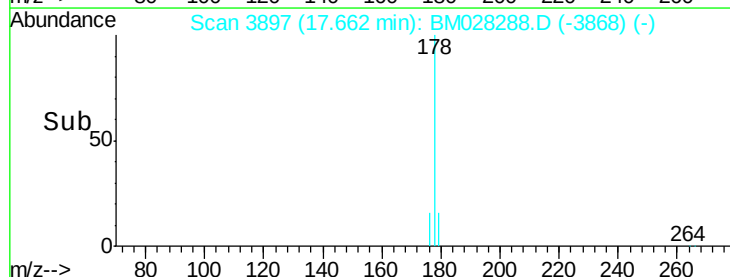
18.04

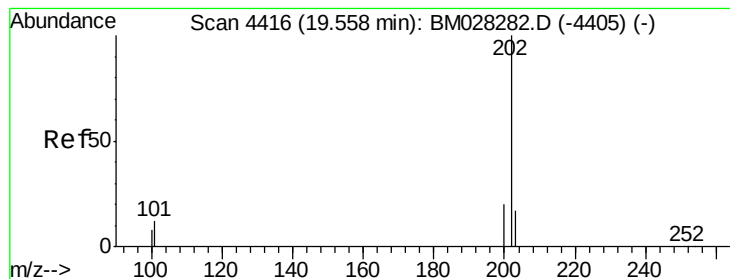
18.06

18.08

18.10

18.12





#19

Fluoranthene

Concen: 0.328 ng/ul

RT: 19.56 min Scan# 4416

Delta R.T. -0.00 min

Lab File: BM028288.D

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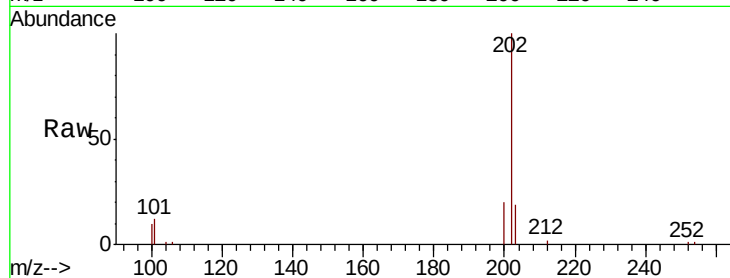
Tot Ion:202 Resp: 8583

Ion Ratio Lower Upper

202 100

101 11.7 8.8 13.2

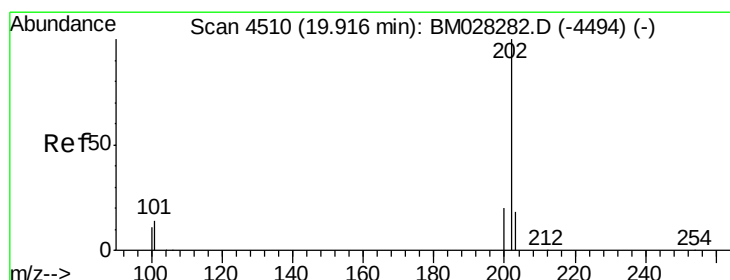
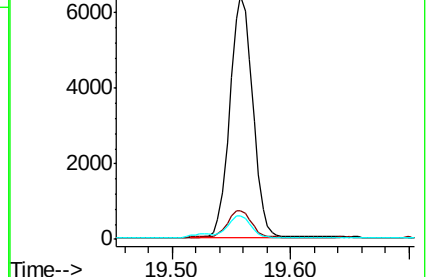
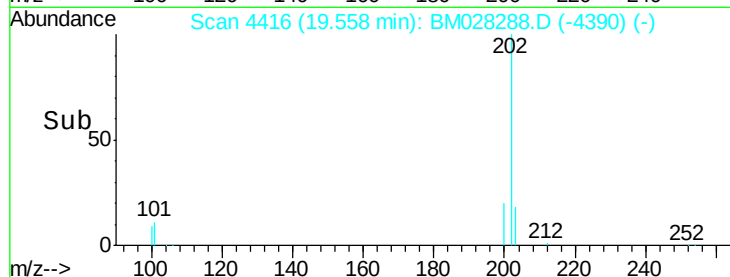
100 9.9 6.8 10.2



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: 0.330 ng/ul

RT: 19.92 min Scan# 4510

Delta R.T. -0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

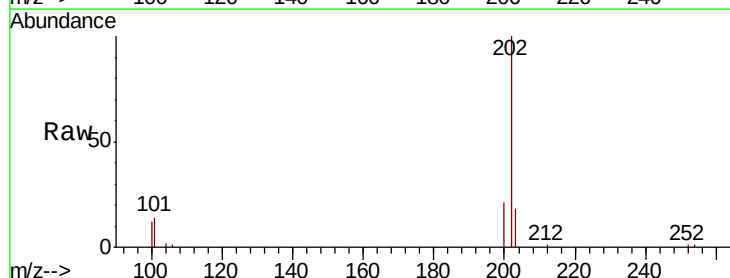
Tgt Ion:202 Resp: 8626

Ion Ratio Lower Upper

202 100

101 14.5 10.1 15.1

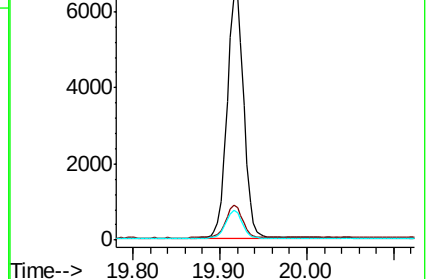
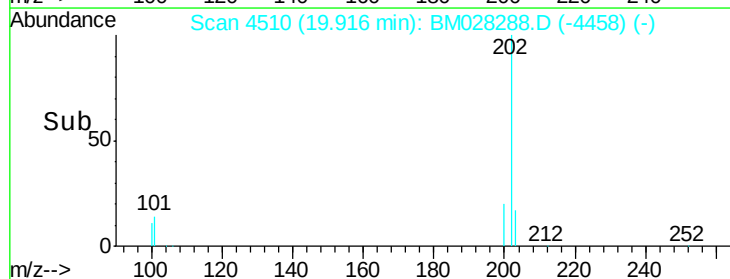
100 12.2 8.4 12.6

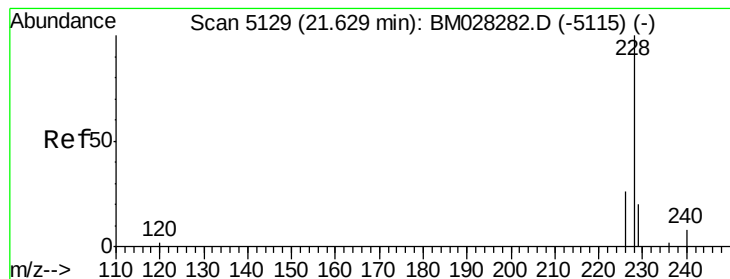


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.360 ng/ul

RT: 21.63 min Scan# 5130

Delta R.T. 0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

BNA_M

ClientSampleId :

SLCS823

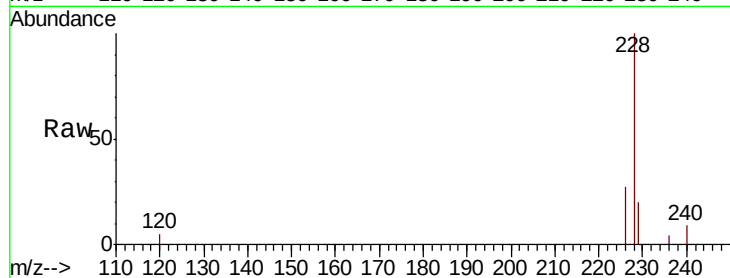
Tot Ion:228 Resp: 7894

Ion Ratio Lower Upper

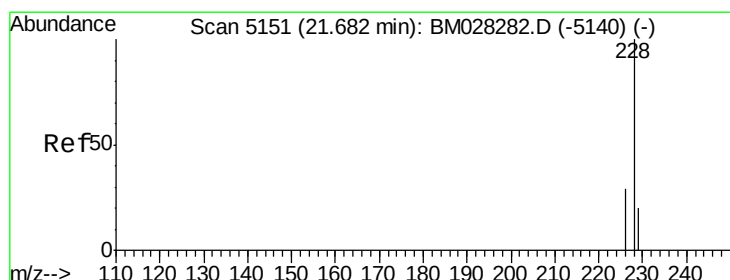
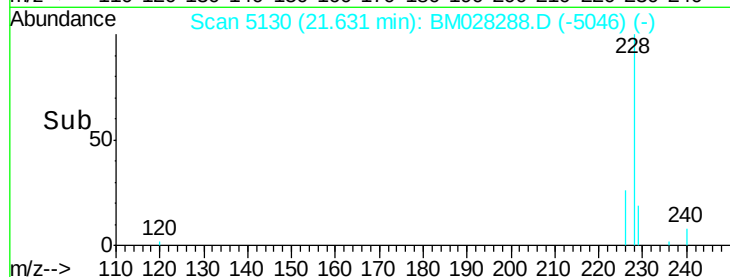
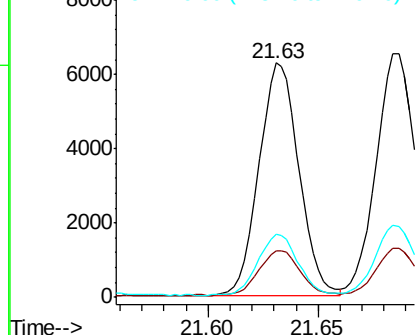
228 100

229 19.6 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: 0.349 ng/ul

RT: 21.69 min Scan# 5153

Delta R.T. 0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

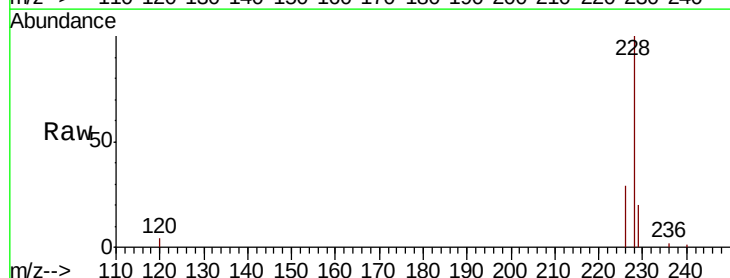
Tgt Ion:228 Resp: 8254

Ion Ratio Lower Upper

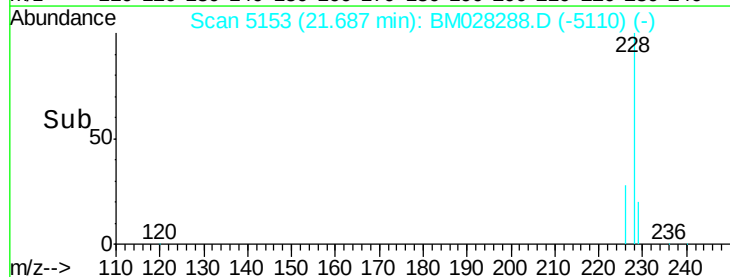
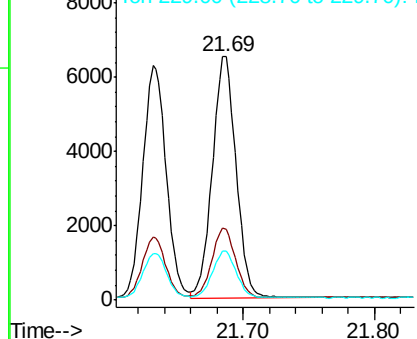
228 100

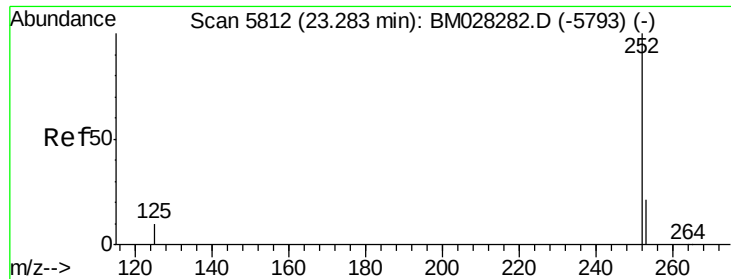
226 29.2 23.4 35.0

229 20.3 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: 0.333 ng/ul

RT: 23.29 min Scan# 5814

Delta R.T. 0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

BNA_M

ClientSampleId :

SLCS823

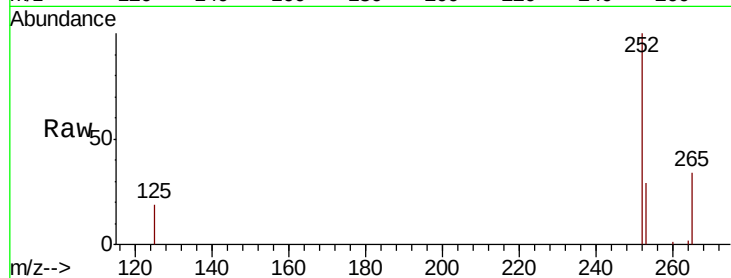
Tot Ion:252 Resp: 8546

Ion Ratio Lower Upper

252 100

253 28.8 0.0 51.4

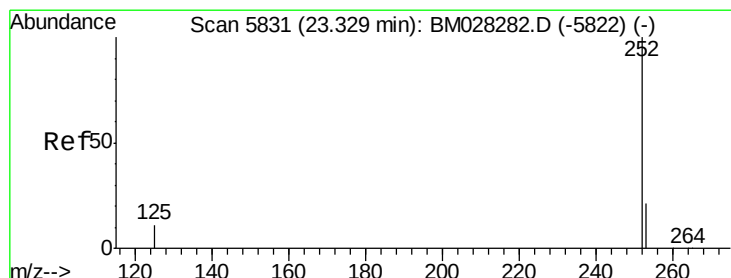
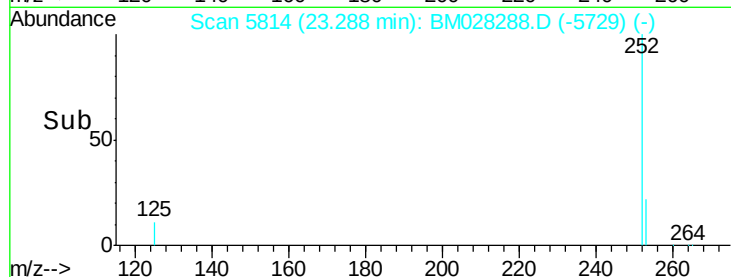
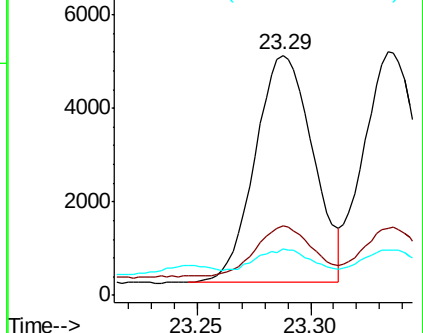
125 19.2 0.0 32.8



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: 0.339 ng/ul

RT: 23.33 min Scan# 5833

Delta R.T. 0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

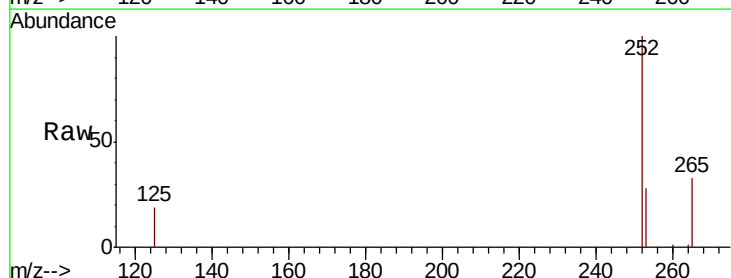
Tgt Ion:252 Resp: 8367

Ion Ratio Lower Upper

252 100

253 27.7 21.1 31.7

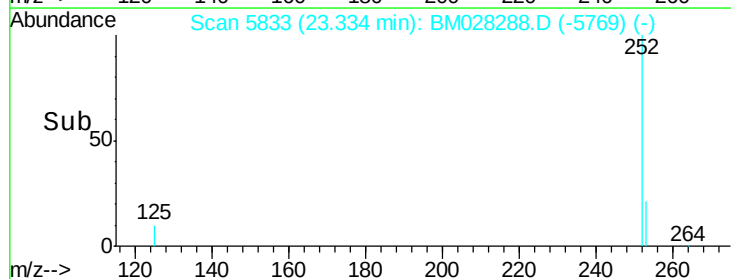
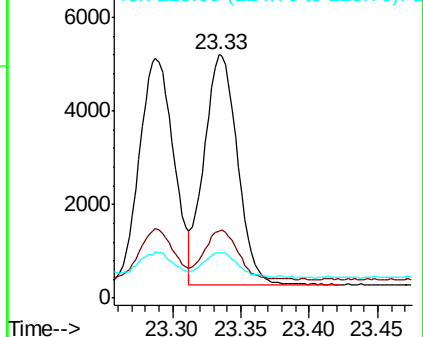
125 18.7 13.4 20.2

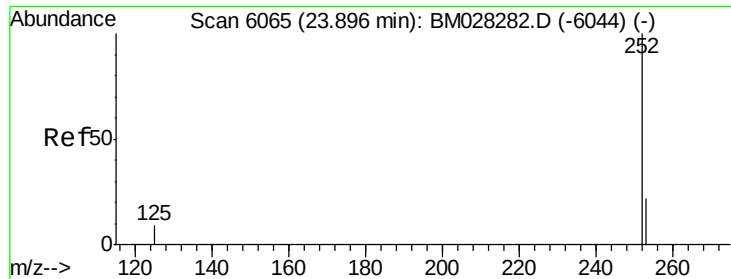


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.357 ng/ul

RT: 23.90 min Scan# 6067

Delta R.T. 0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

Instrument :

BNA_M

ClientSampleId :

SLCS823

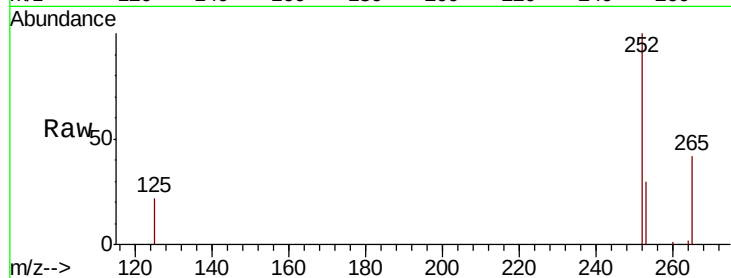
Tot Ion:252 Resp: 7572

Ion Ratio Lower Upper

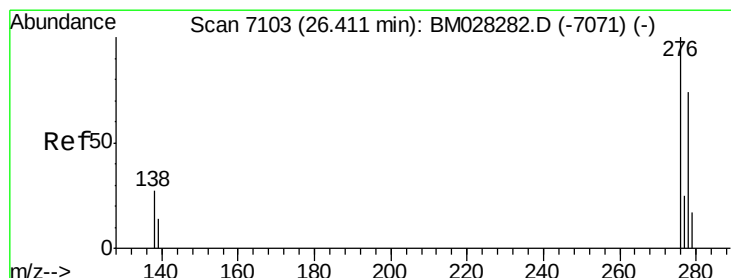
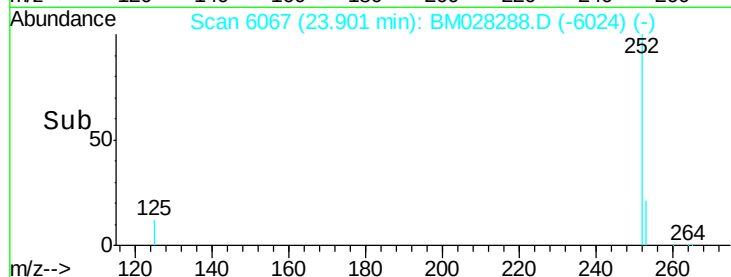
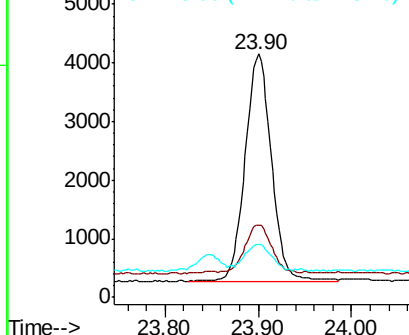
252 100

253 29.8 22.3 33.5

125 21.9 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: 0.382 ng/ul

RT: 26.41 min Scan# 7104

Delta R.T. 0.00 min

Lab File: BM028288.D

Acq: 30 Dec 2020 16:41

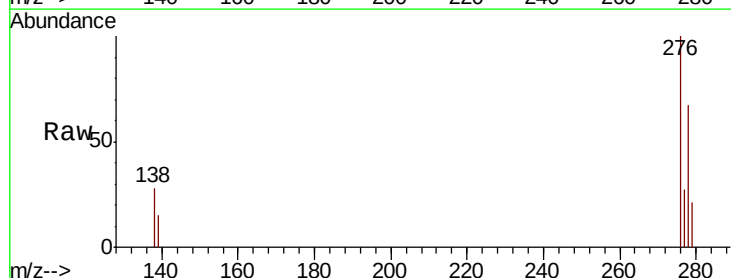
Tgt Ion:276 Resp: 9843

Ion Ratio Lower Upper

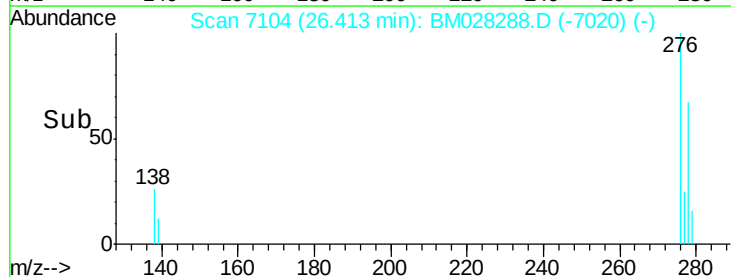
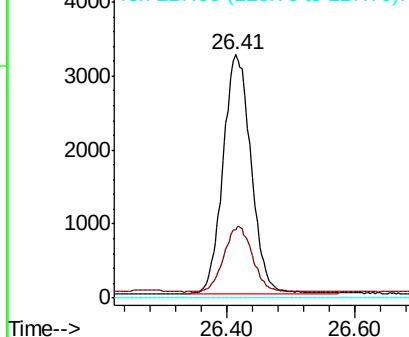
276 100

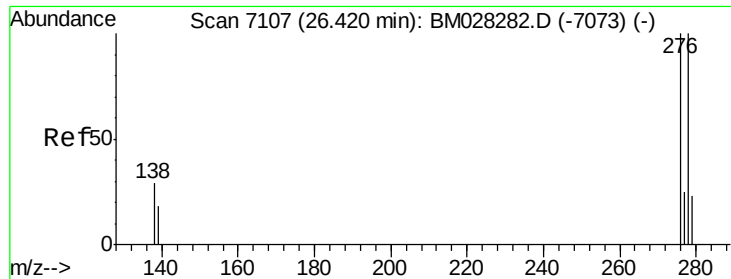
138 27.5 21.7 32.5

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

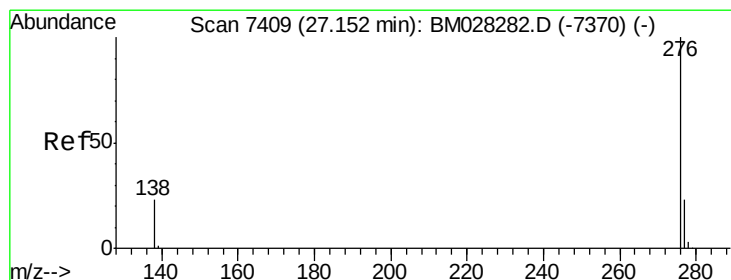
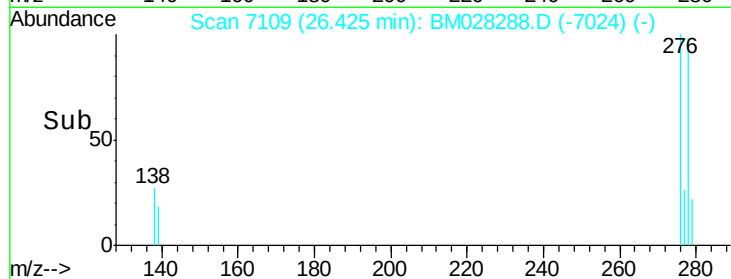
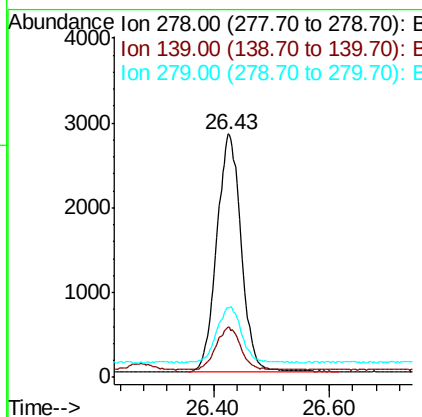
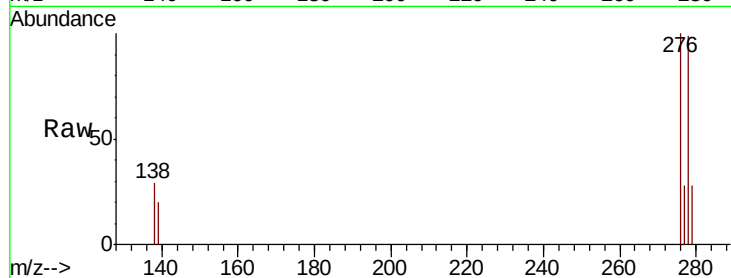




#28
Dibenzo(a,h)anthracene
Concen: 0.381 ng/ul
RT: 26.43 min Scan# 7109
Delta R.T. 0.00 min
Lab File: BM028288.D
Acq: 30 Dec 2020 16:41

Instrument :
BNA_M
ClientSampleId :
SLCS823

Tot Ion:278 Resp: 8214
Ion Ratio Lower Upper
278 100
139 20.8 15.2 22.8
279 28.4 22.2 33.4



#29
Benzo(g,h,i)perylene
Concen: 0.382 ng/ul
RT: 27.16 min Scan# 7411
Delta R.T. 0.00 min
Lab File: BM028288.D
Acq: 30 Dec 2020 16:41

Tgt Ion:276 Resp: 8574
Ion Ratio Lower Upper
276 100
138 25.5 19.7 29.5
277 25.5 20.6 31.0

