

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120520\
 Data File : BN012885.D
 Acq On : 05 Dec 2020 16:14
 Operator : CG/JU
 Sample : PB133358BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS358

Quant Time: Dec 07 00:52:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 00:51:32 2020
 Response via : Initial Calibration

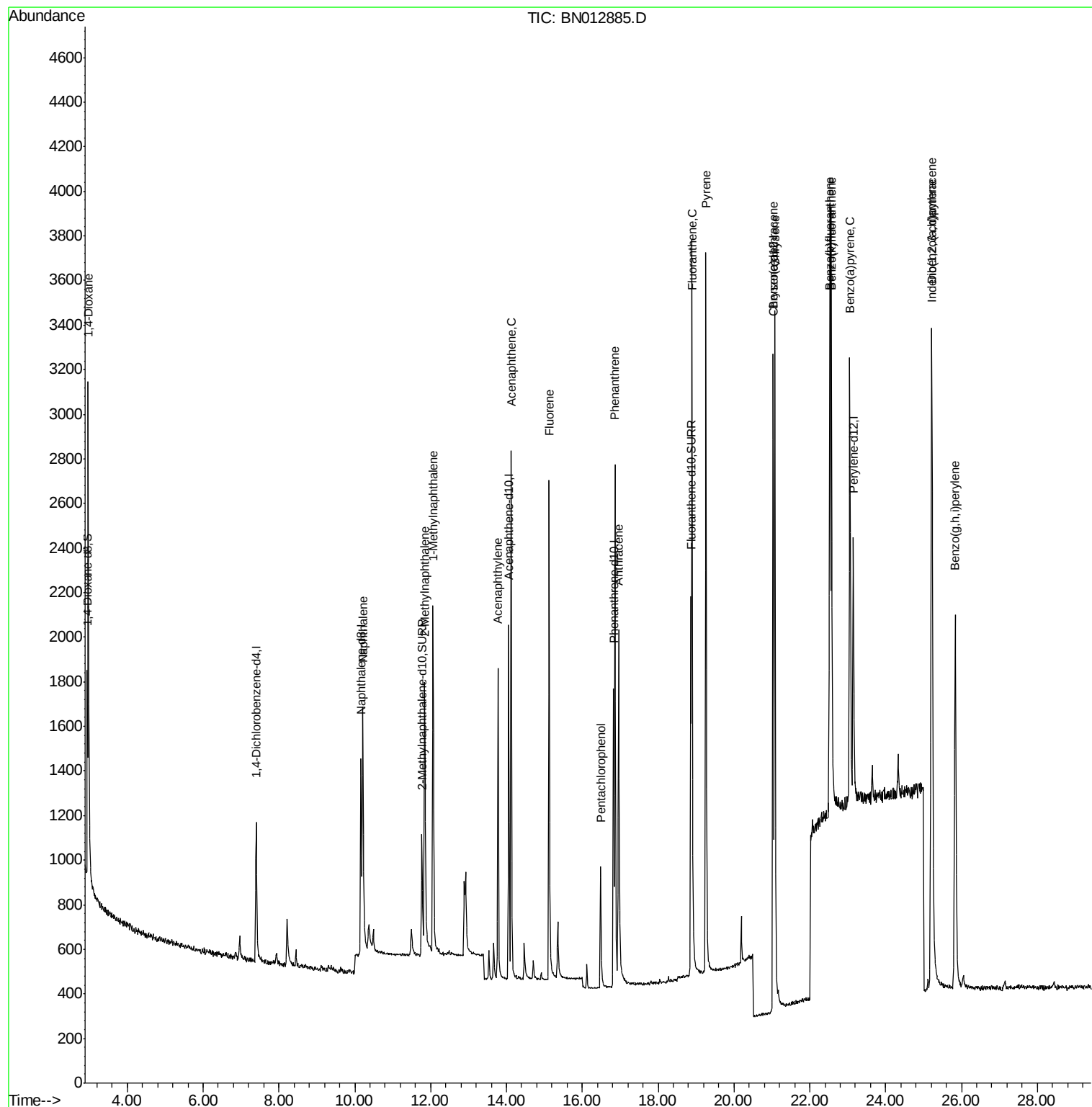
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	409	0.40	ng/ul	0.00
4) Naphthalene-d8	10.16	136	1564	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.06	164	887	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.82	188	1871	0.40	ng/ul	0.00
19) Chrysene-d12	21.04	240	1474	0.40	ng/ul	0.00
23) Perylene-d12	23.15	264	1566	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.95	96	529	0.96	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.77	152	1002	0.45	ng/ul	0.00
17) Fluoranthene-d10	18.86	212	2307	0.49	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	2.97	88	1410	2.518	ng/ul	93
5) Naphthalene	10.21	128	1859	0.423	ng/ul	95
7) 2-Methylnaphthalene	11.85	142	1249	0.439	ng/ul	98
8) 1-Methylnaphthalene	12.07	142	1213	0.445	ng/ul	98
10) Acenaphthylene	13.78	152	1817	0.464	ng/ul	96
11) Acenaphthene	14.12	153	1457	0.434	ng/ul	97
12) Fluorene	15.12	166	1637	0.436	ng/ul	99
14) Pentachlorophenol	16.48	266	447	0.874	ng/ul	96
15) Phenanthrene	16.86	178	2737	0.442	ng/ul	95
16) Anthracene	16.96	178	2346	0.461	ng/ul	96
18) Fluoranthene	18.89	202	3304	0.481	ng/ul	99
20) Pyrene	19.26	202	3359	0.483	ng/ul	97
21) Benzo(a)anthracene	21.03	228	2618	0.487	ng/ul	99
22) Chrysene	21.08	228	3153	0.488	ng/ul	98
24) Benzo(b)fluoranthene	22.53	252	3333	0.499	ng/ul	99
25) Benzo(k)fluoranthene	22.57	252	3836	0.499	ng/ul	98
26) Benzo(a)pyrene	23.06	252	3111	0.494	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.21	276	4081	0.493	ng/ul	94
28) Dibenzo(a,h)anthracene	25.22	278	3231	0.485	ng/ul	97
29) Benzo(g,h,i)perylene	25.84	276	3619	0.473	ng/ul	99

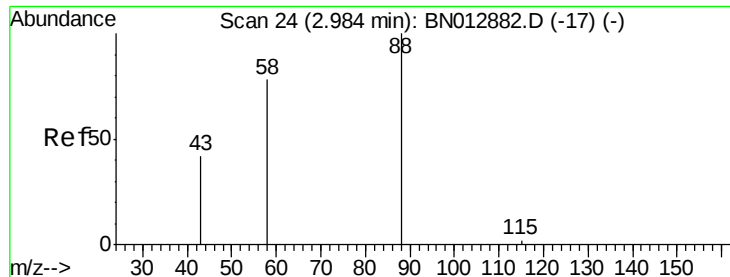
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.518 ng/ul

RT: 2.97 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

ClientSampleId :

SLCS358

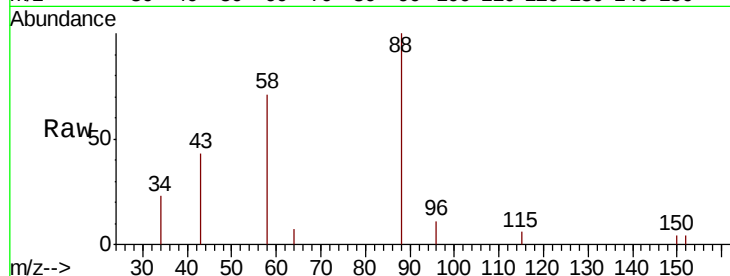
Tot Ion: 88 Resp: 1410

Ion Ratio Lower Upper

88 100

43 42.8 42.7 64.1

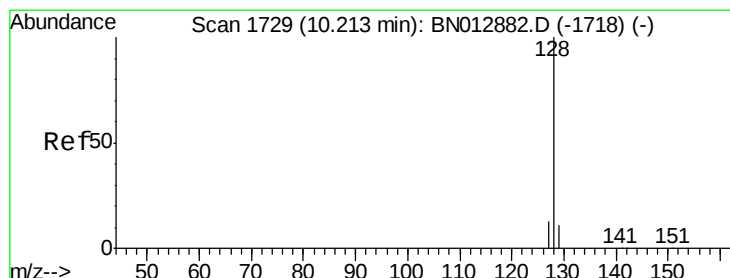
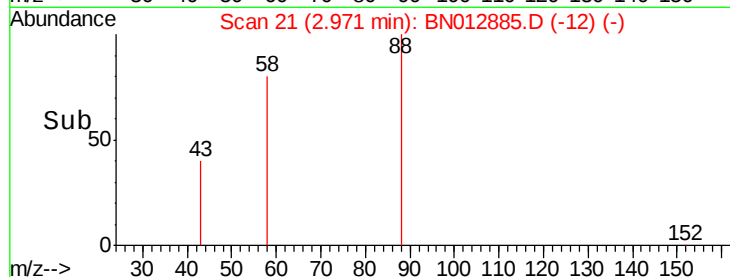
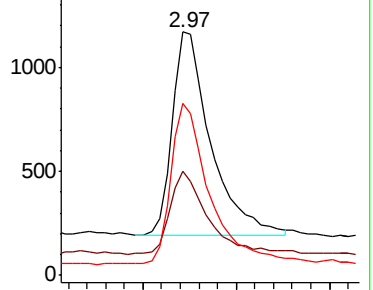
58 70.9 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): BN012882.D (-17) (-)

Ion 43.00 (42.70 to 43.70): BN012882.D (-17) (-)

Ion 58.00 (57.70 to 58.70): BN012882.D (-17) (-)



#5

Naphthalene

Concen: 0.423 ng/ul

RT: 10.21 min Scan# 1729

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

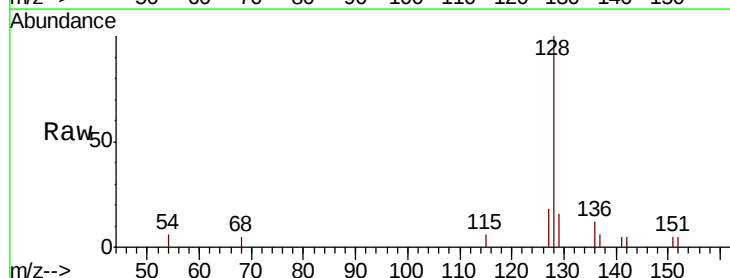
Tgt Ion: 128 Resp: 1859

Ion Ratio Lower Upper

128 100

129 15.6 11.1 16.7

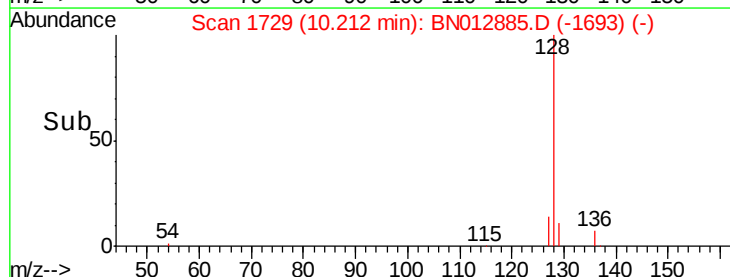
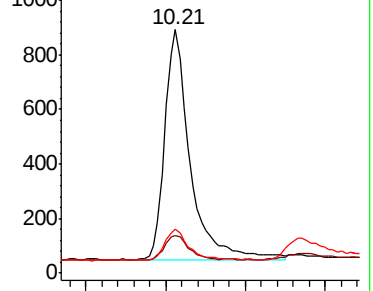
127 18.1 12.6 18.8

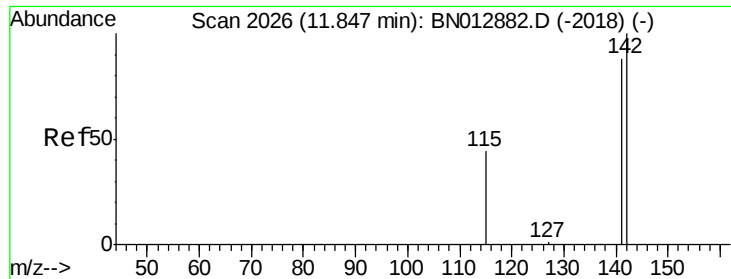


Abundance Ion 128.00 (127.70 to 128.70): BN012882.D (-1718) (-)

Ion 129.00 (128.70 to 129.70): BN012882.D (-1718) (-)

Ion 127.00 (126.70 to 127.70): BN012882.D (-1718) (-)





#7

2-Methylnaphthalene

Concen: 0.439 ng/ul

RT: 11.85 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

ClientSampleId :

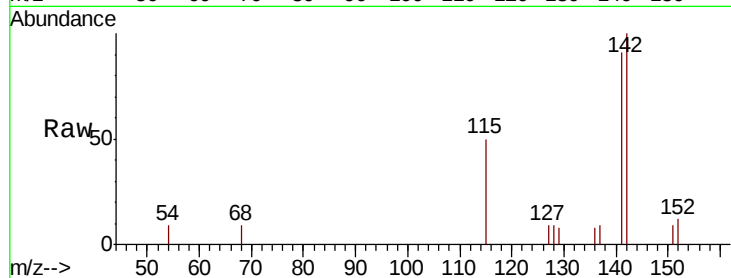
SLCS358

Tot Ion:142 Resp: 1249

Ion Ratio Lower Upper

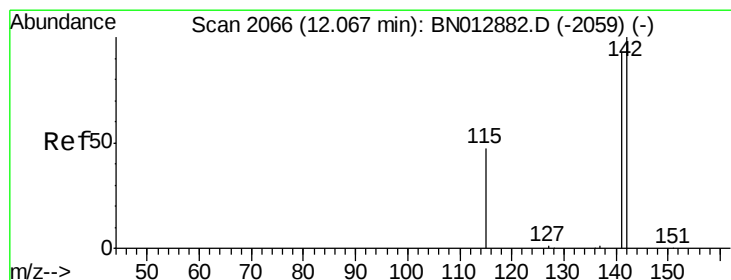
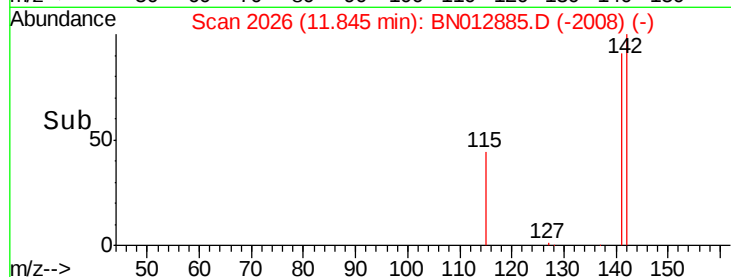
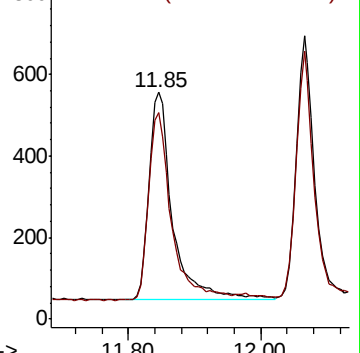
142 100

141 91.6 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.445 ng/ul

RT: 12.07 min Scan# 2066

Delta R.T. -0.00 min

Lab File: BN012885.D

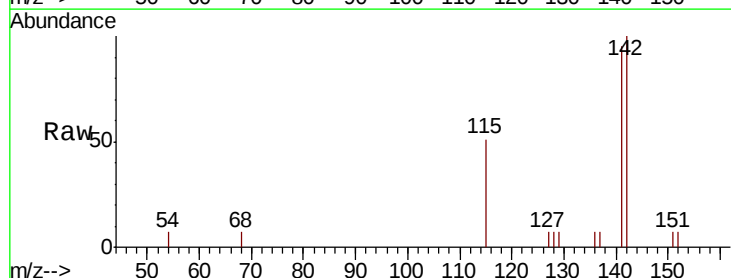
Acq: 05 Dec 2020 16:14

Tgt Ion:142 Resp: 1213

Ion Ratio Lower Upper

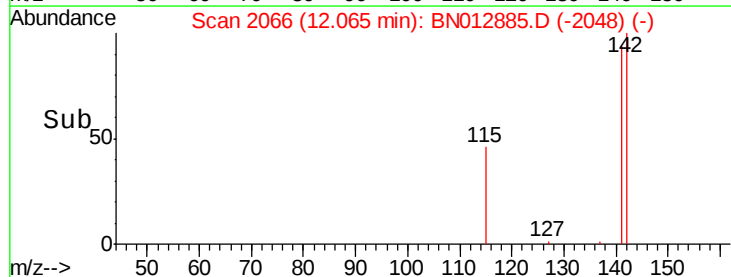
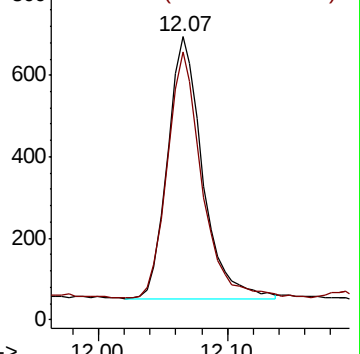
142 100

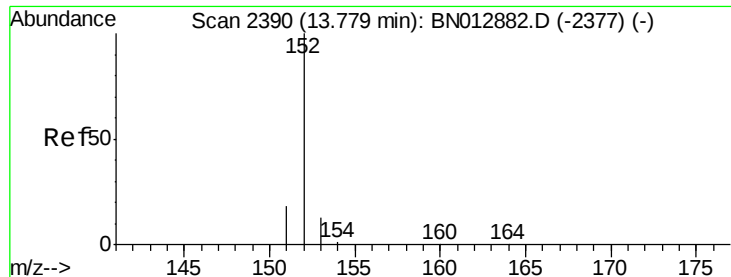
141 92.3 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.464 ng/ul

RT: 13.78 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

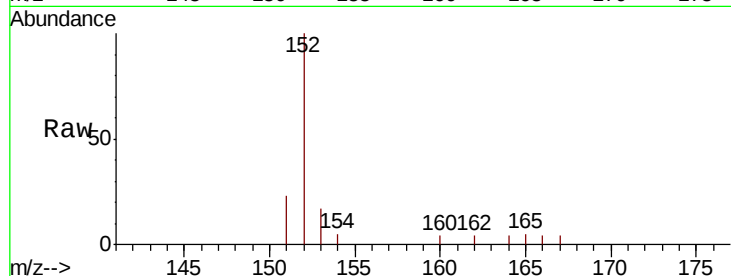
BNA_N

ClientSampleId :

SLCS358

Tot Ion:152 Resp: 1817

Ion	Ratio	Lower	Upper
152	100		
151	22.9	17.0	25.4
153	17.4	12.5	18.7



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

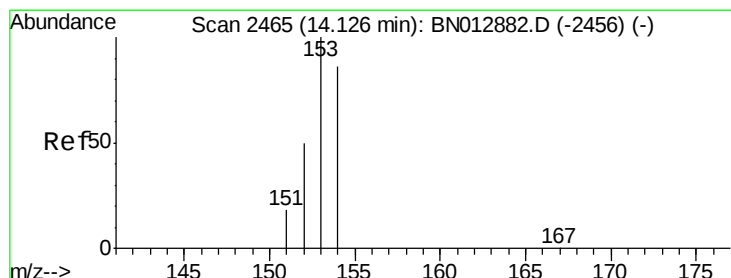
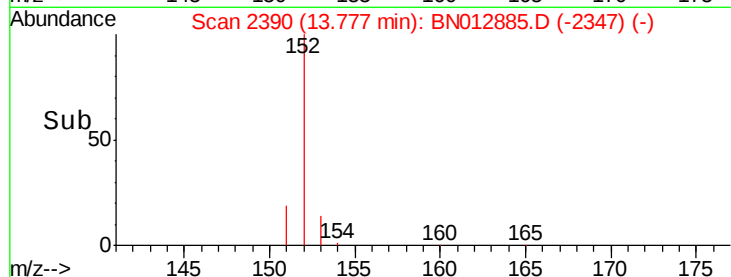
13.78

1000

500

0

Time--> 13.60 13.80 14.00



#11

Acenaphthene

Concen: 0.434 ng/ul

RT: 14.12 min Scan# 2465

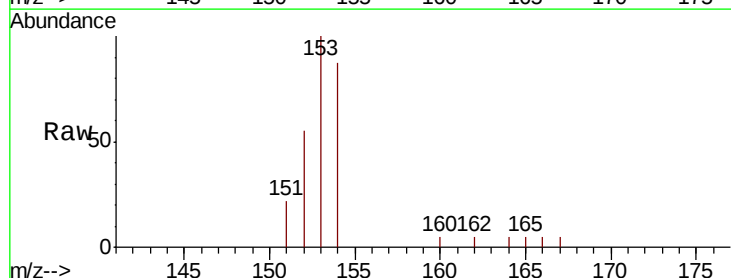
Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Tgt Ion:153 Resp: 1457

Ion	Ratio	Lower	Upper
153	100		
152	54.6	39.9	59.9
154	86.5	69.9	104.9



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

14.12

1200

1000

800

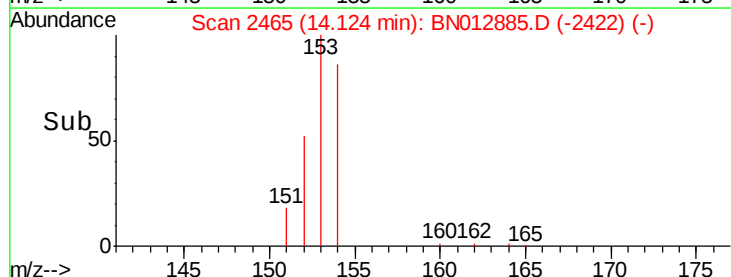
600

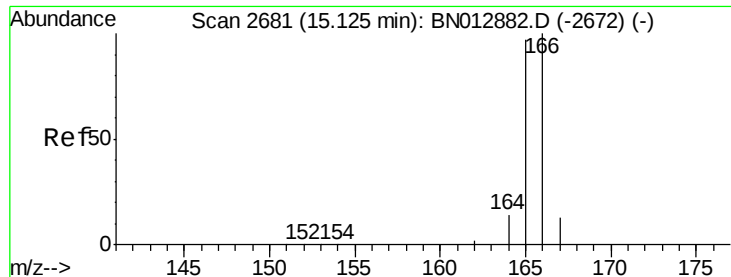
400

200

0

Time--> 14.00 14.10 14.20





#12

Fluorene

Concen: 0.436 ng/ul

RT: 15.12 min Scan# 2681

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

ClientSampleId :

SLCS358

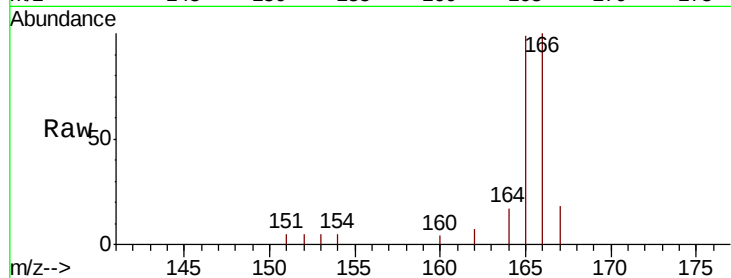
Tot Ion:166 Resp: 1637

Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

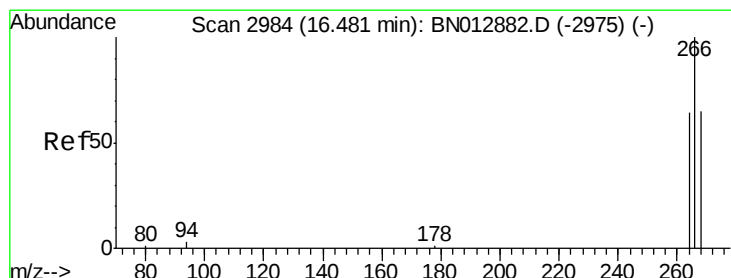
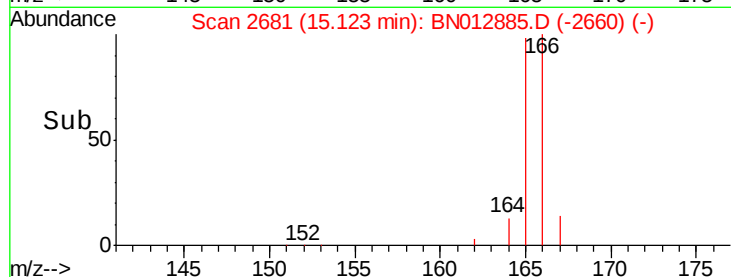
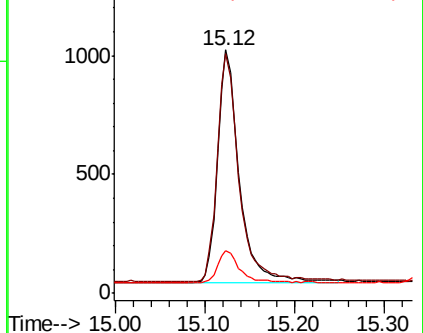
167 17.7 12.6 19.0



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: 0.874 ng/ul

RT: 16.48 min Scan# 2984

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

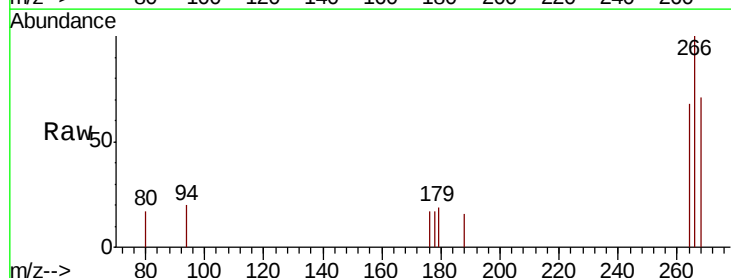
Tgt Ion:266 Resp: 447

Ion Ratio Lower Upper

266 100

264 64.0 48.6 73.0

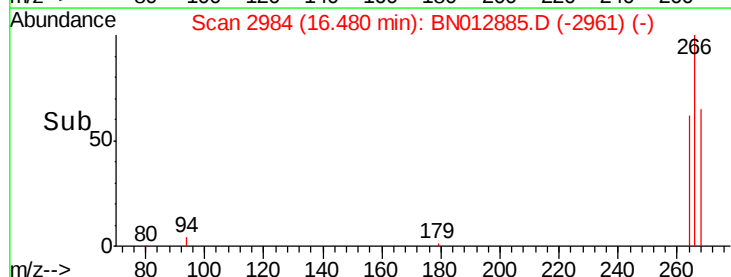
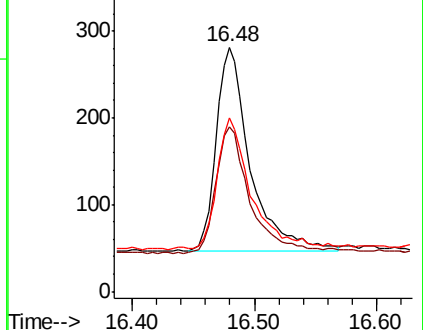
268 65.5 55.2 82.8

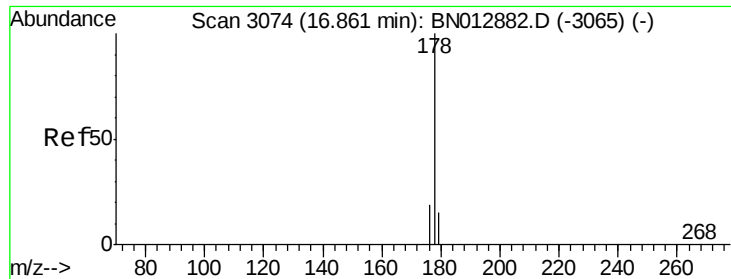


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.442 ng/ul

RT: 16.86 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

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SLCS358

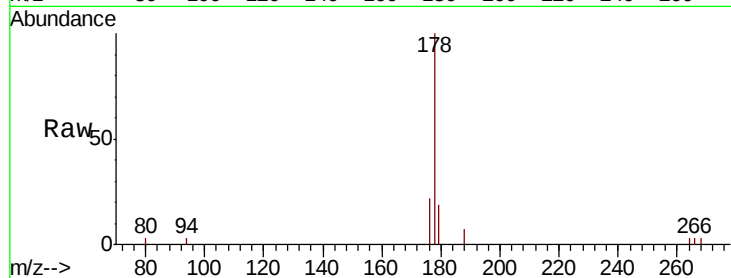
Tot Ion:178 Resp: 2737

Ion Ratio Lower Upper

178 100

179 18.7 13.0 19.6

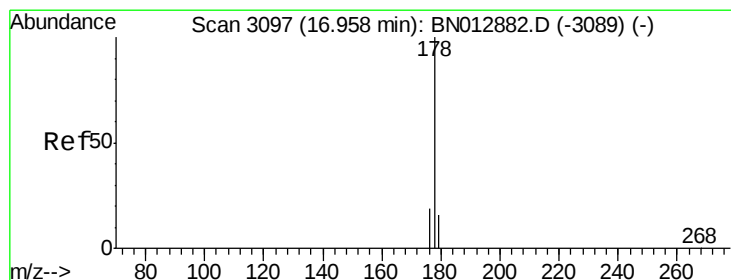
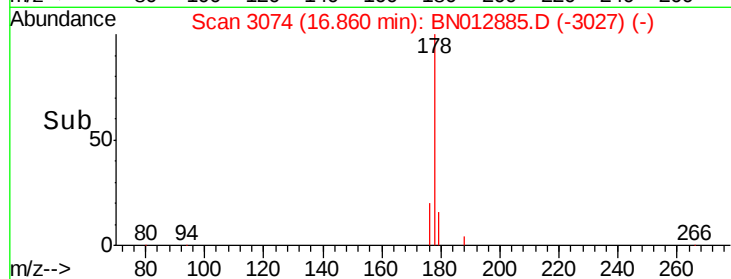
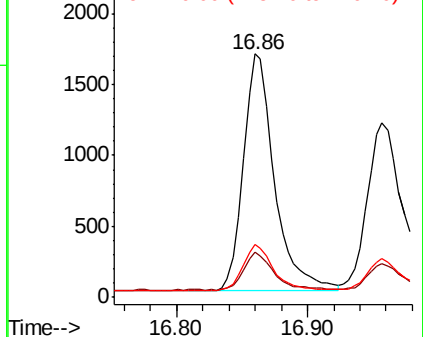
176 21.7 15.8 23.8



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



#16

Anthracene

Concen: 0.461 ng/ul

RT: 16.96 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

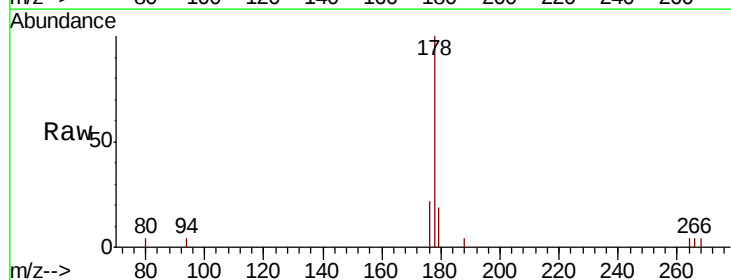
Tgt Ion:178 Resp: 2346

Ion Ratio Lower Upper

178 100

179 19.0 14.2 21.4

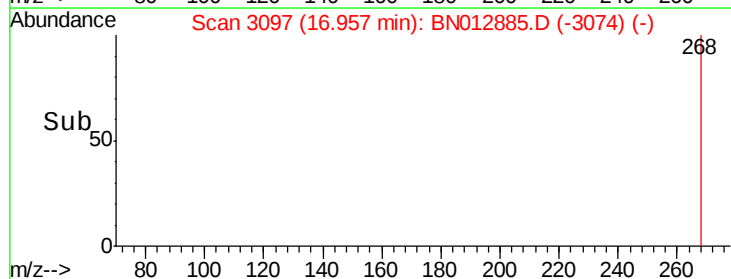
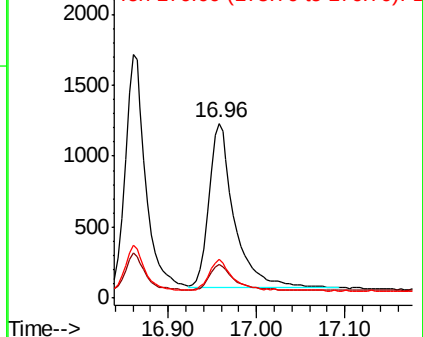
176 22.2 15.9 23.9

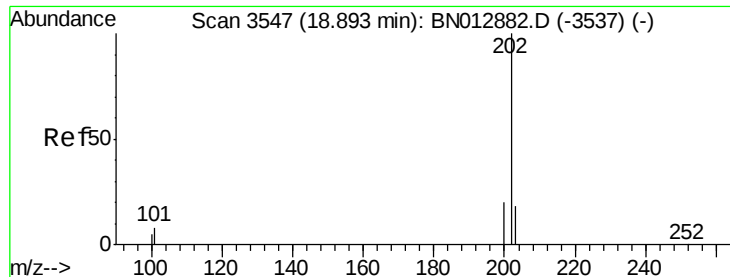


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.481 ng/ul

RT: 18.89 min Scan# 3547

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

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SLCS358

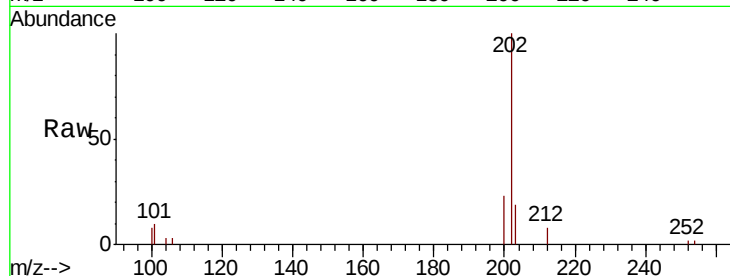
Tot Ion:202 Resp: 3304

Ion Ratio Lower Upper

202 100

101 10.1 8.2 12.2

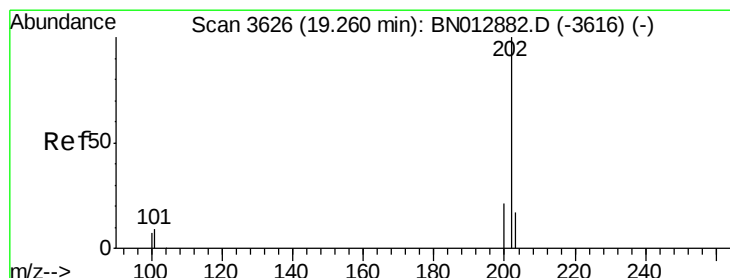
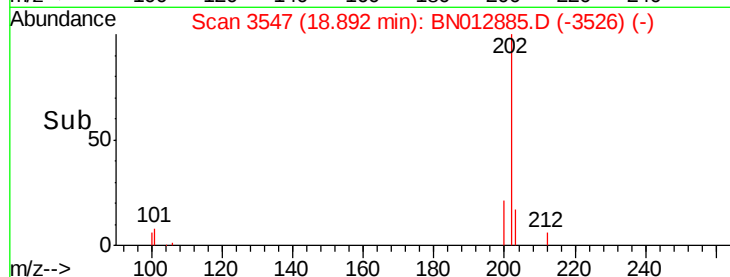
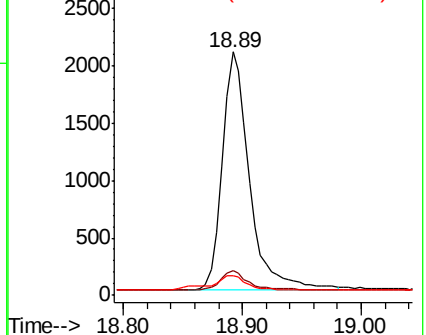
100 8.1 6.9 10.3



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: 0.483 ng/ul

RT: 19.26 min Scan# 3626

Delta R.T. -0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

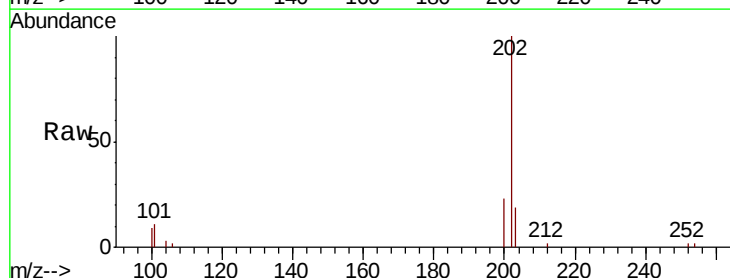
Tgt Ion:202 Resp: 3359

Ion Ratio Lower Upper

202 100

101 11.4 9.4 14.2

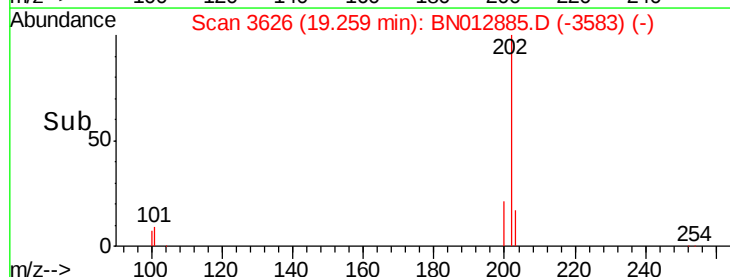
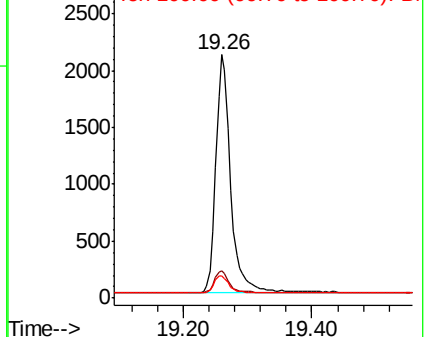
100 9.0 8.6 12.8

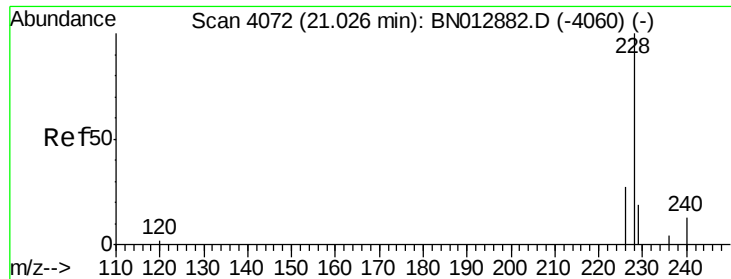


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

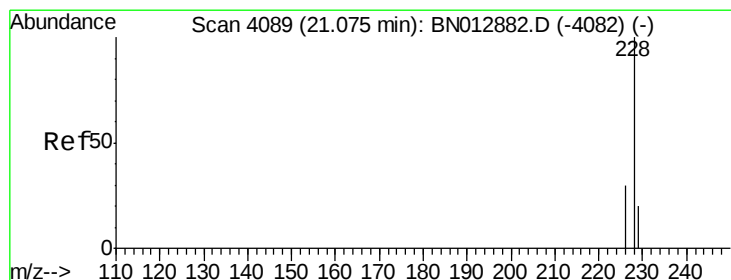
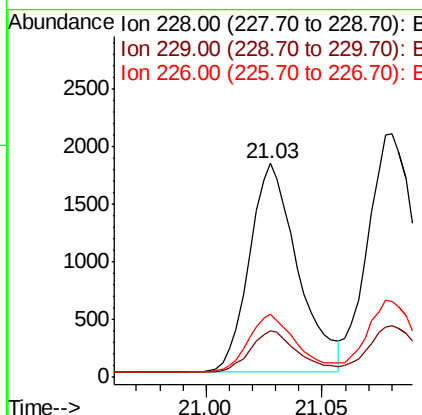
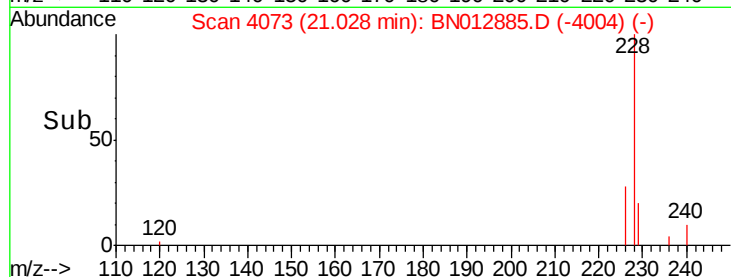
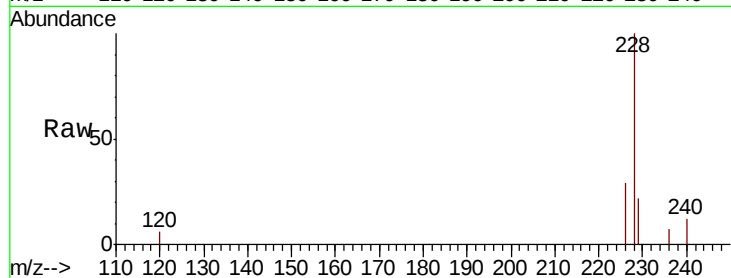




#21
Benzo(a)anthracene
Concen: 0.487 ng/ul
RT: 21.03 min Scan# 4073
Delta R.T. 0.00 min
Lab File: BN012885.D
Acq: 05 Dec 2020 16:14

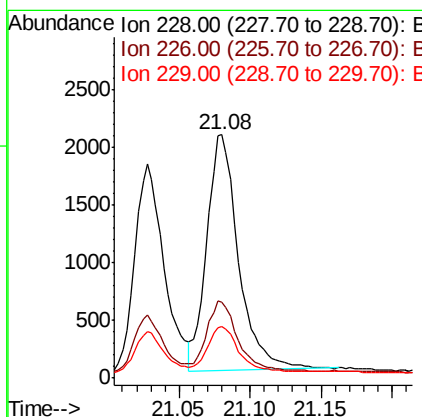
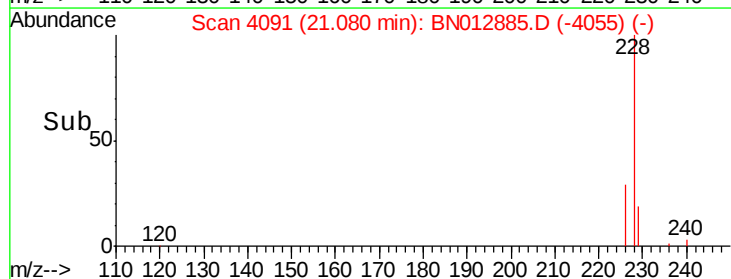
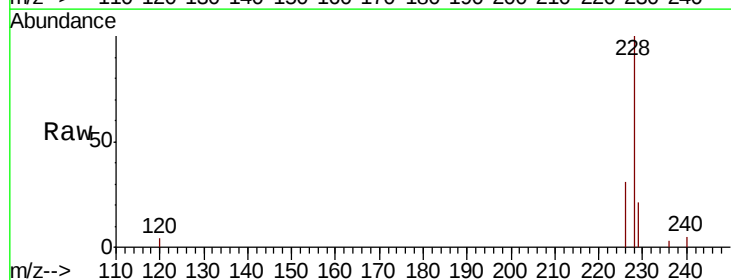
Instrument :
BNA_N
ClientSampleId :
SLCS358

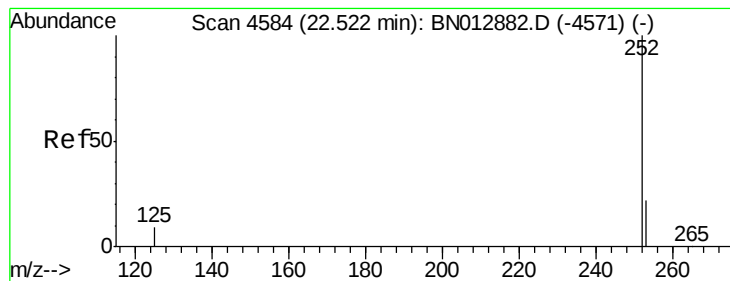
Tot Ion:228 Resp: 2618
Ion Ratio Lower Upper
228 100
229 21.7 16.6 25.0
226 29.4 23.5 35.3



#22
Chrysene
Concen: 0.488 ng/ul
RT: 21.08 min Scan# 4091
Delta R.T. 0.00 min
Lab File: BN012885.D
Acq: 05 Dec 2020 16:14

Tgt Ion:228 Resp: 3153
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 21.2 16.6 24.8





#24

Benzo(b)fluoranthene

Concen: 0.499 ng/ul

RT: 22.53 min Scan# 4586

Delta R.T. 0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

ClientSampleId :

SLCS358

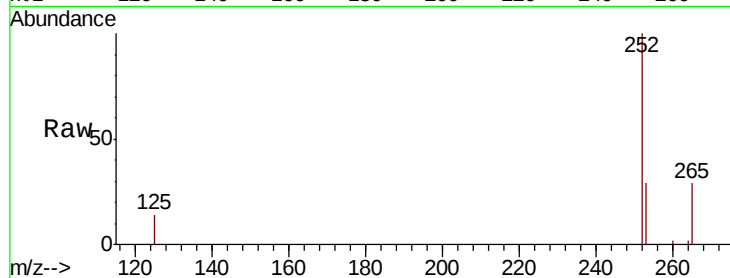
Tot Ion:252 Resp: 3333

Ion Ratio Lower Upper

252 100

253 29.5 0.0 59.2

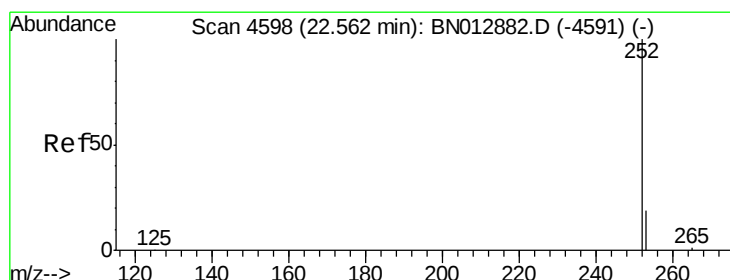
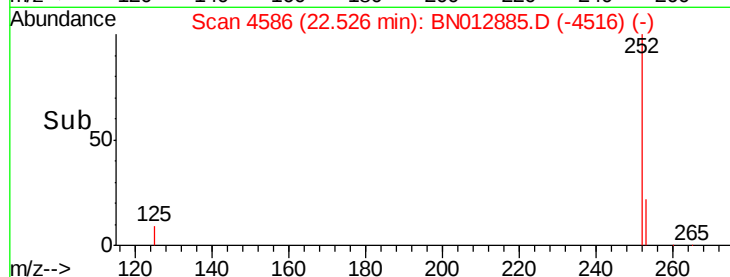
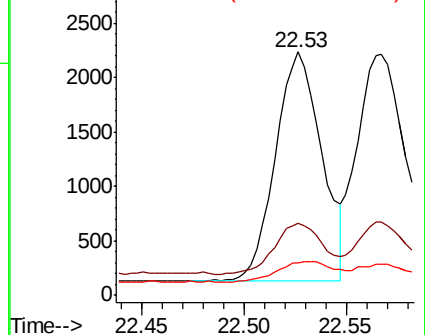
125 13.6 0.0 30.2



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



#25

Benzo(k)fluoranthene

Concen: 0.499 ng/ul

RT: 22.57 min Scan# 4600

Delta R.T. 0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

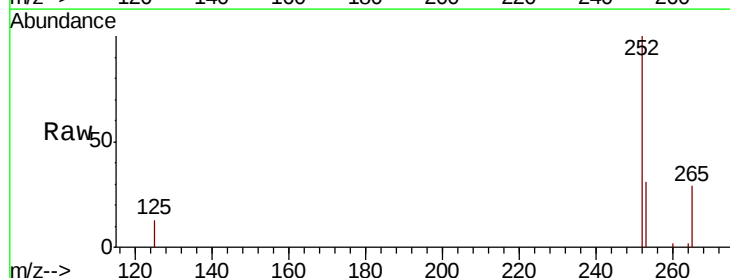
Tgt Ion:252 Resp: 3836

Ion Ratio Lower Upper

252 100

253 30.5 23.3 34.9

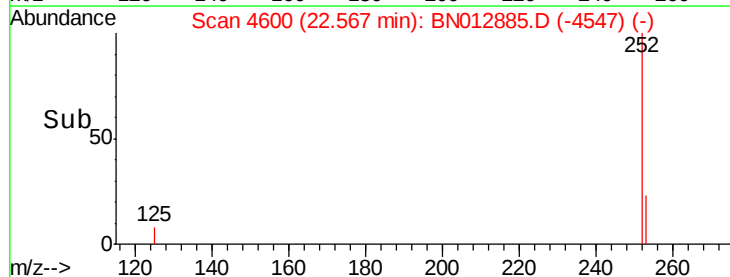
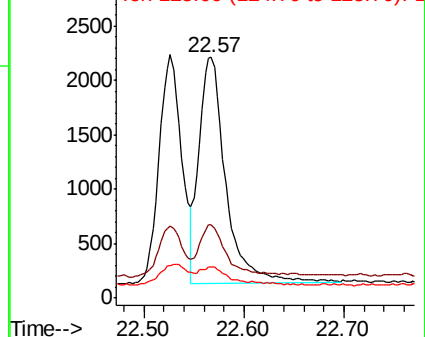
125 12.9 10.6 15.8

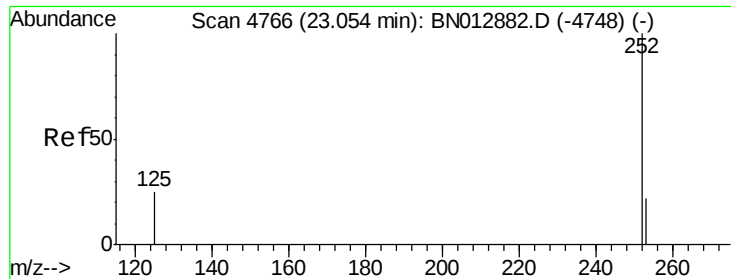


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.494 ng/ul

RT: 23.06 min Scan# 4768

Delta R.T. 0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

ClientSampleId :

SLCS358

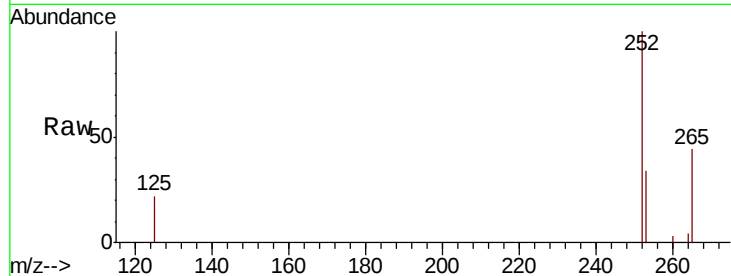
Tot Ion:252 Resp: 3111

Ion Ratio Lower Upper

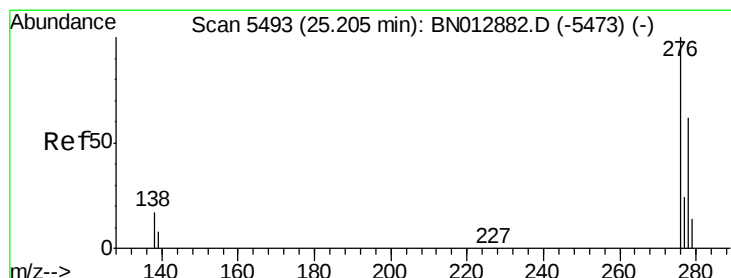
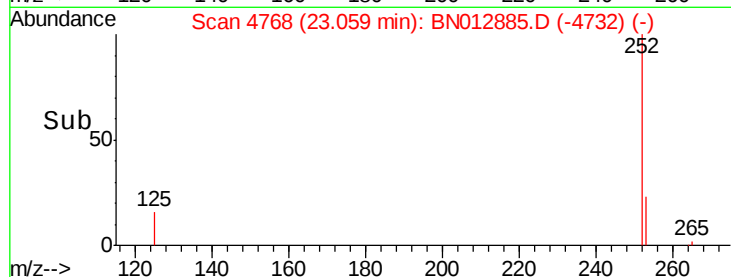
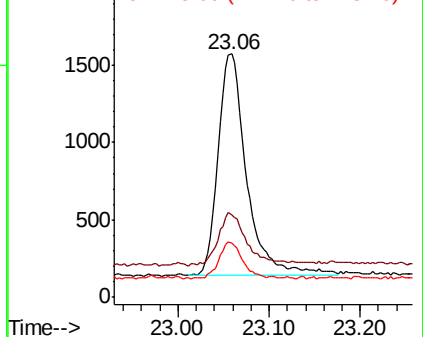
252 100

253 34.0 27.4 41.0

125 22.3 17.7 26.5



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: 0.493 ng/ul

RT: 25.21 min Scan# 5494

Delta R.T. 0.00 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

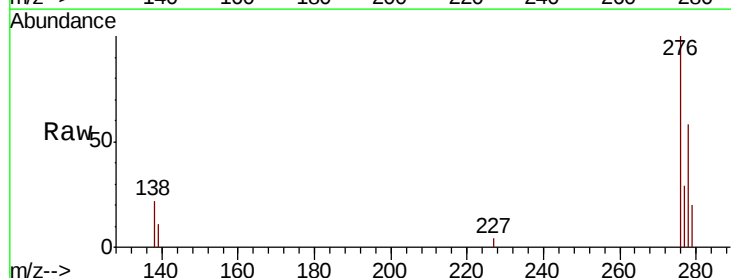
Tgt Ion:276 Resp: 4081

Ion Ratio Lower Upper

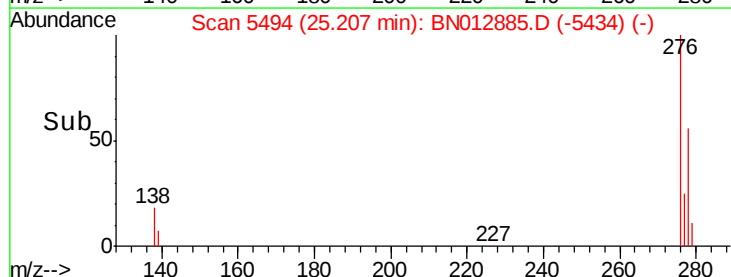
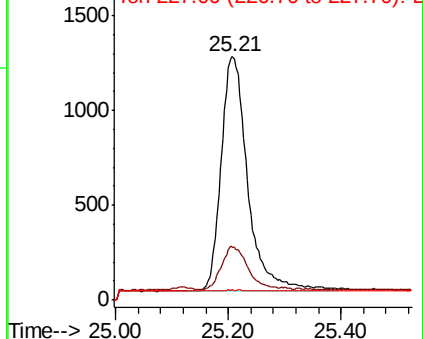
276 100

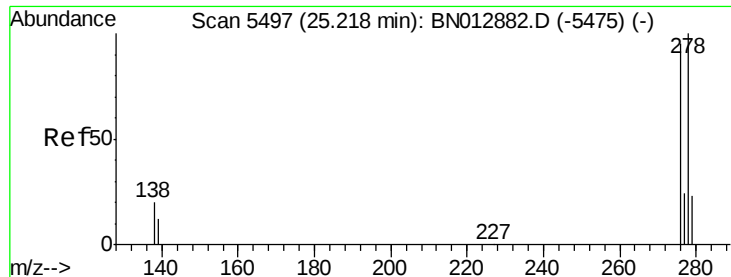
138 17.8 16.3 24.5

227 0.1 0.1 0.1



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: 0.485 ng/ul

RT: 25.22 min Scan# 5499

Delta R.T. 0.01 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

Instrument :

BNA_N

ClientSampleId :

SLCS358

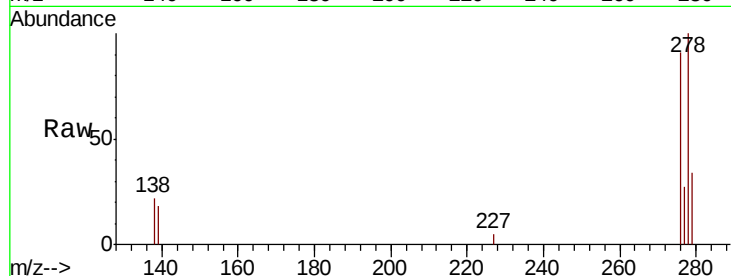
Tot Ion:278 Resp: 3231

Ion Ratio Lower Upper

278 100

139 17.5 13.4 20.2

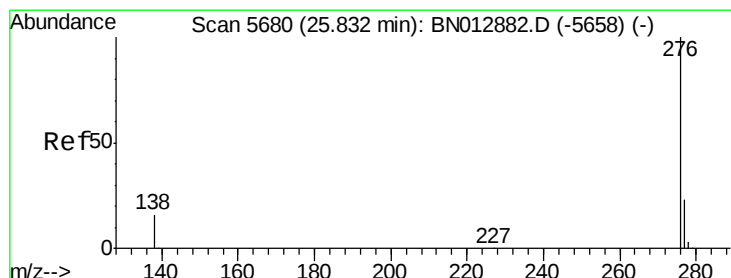
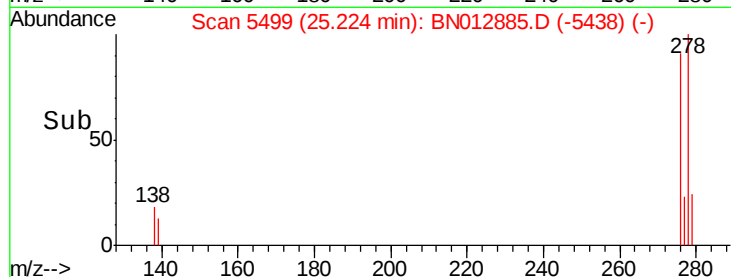
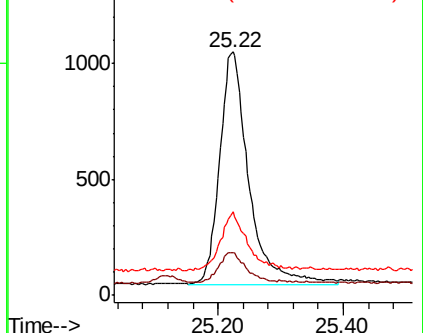
279 34.1 25.8 38.6



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: 0.473 ng/ul

RT: 25.84 min Scan# 5682

Delta R.T. 0.01 min

Lab File: BN012885.D

Acq: 05 Dec 2020 16:14

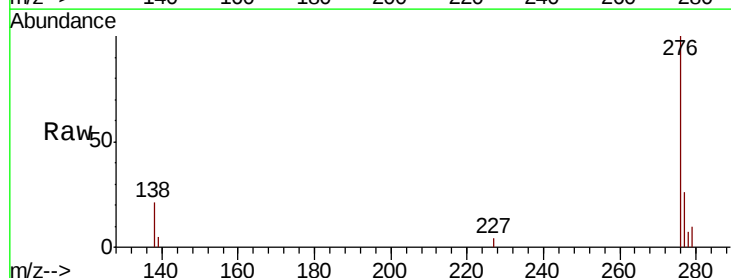
Tgt Ion:276 Resp: 3619

Ion Ratio Lower Upper

276 100

138 20.7 17.1 25.7

277 26.4 21.4 32.0



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

