

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051421\
 Data File : BN014629.D
 Acq On : 14 May 2021 17:51
 Operator : CG/JU
 Sample : PB136058BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS058

Quant Time: May 14 18:56:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 15:50:11 2021
 Response via : Initial Calibration

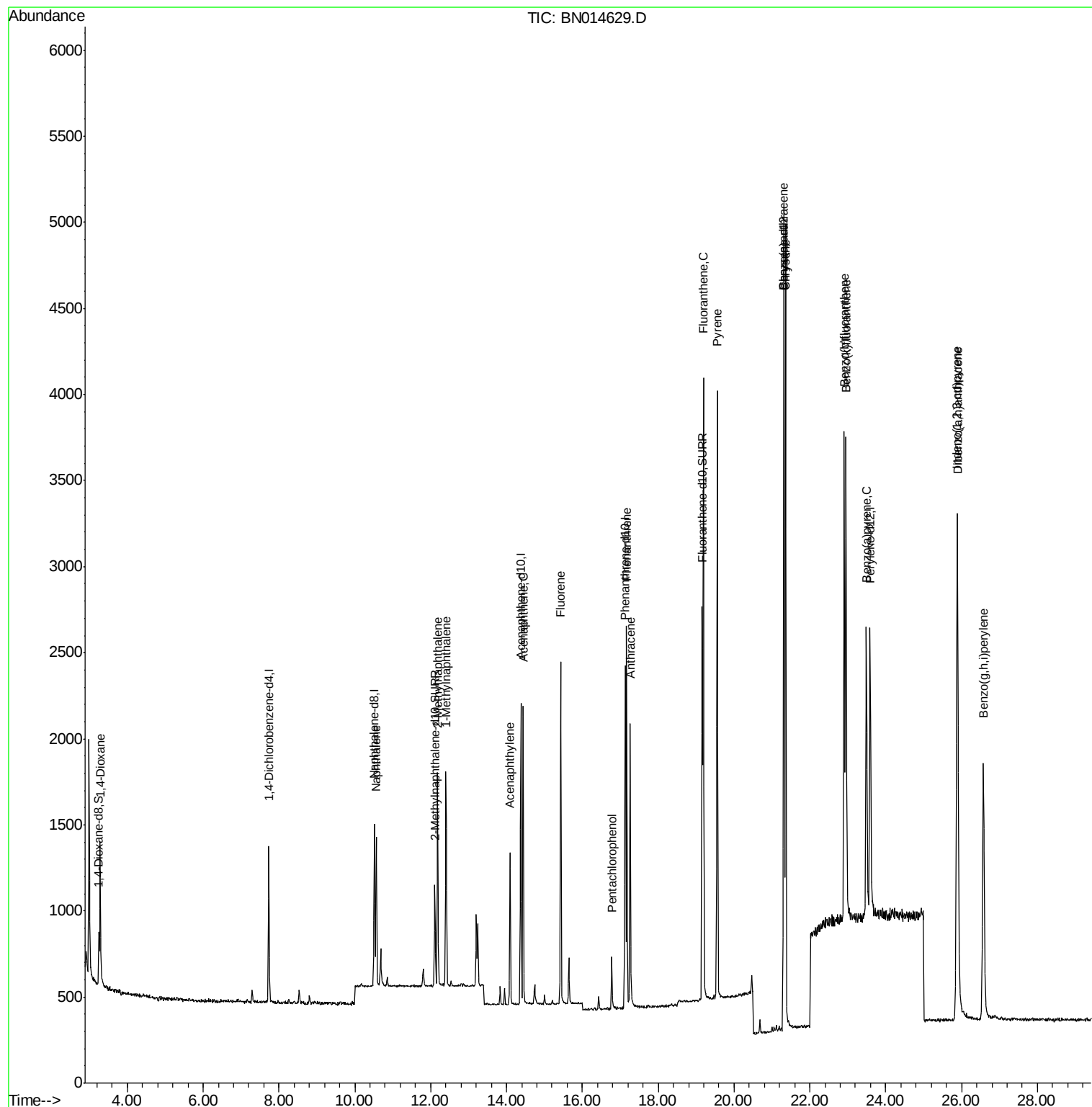
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	418	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	1314	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	933	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	2359	0.40	ng/ul	0.00
17) Chrysene-d12	21.32	240	3018	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	2346	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	265	0.62	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.11	152	753	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.16	212	2675	0.35	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.28	88	700	1.562	ng/ul#	85
5) Naphthalene	10.57	128	1241	0.325	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	867	0.316	ng/ul	97
8) 1-Methylnaphthalene	12.41	142	847	0.319	ng/ul	100
10) Acenaphthylene	14.09	152	998	0.296	ng/ul	98
11) Acenaphthene	14.44	153	999	0.311	ng/ul	97
12) Fluorene	15.43	166	1235	0.313	ng/ul	98
14) Pentachlorophenol	16.78	266	204	0.614	ng/ul	94
15) Phenanthrene	17.17	178	2389	0.325	ng/ul	97
16) Anthracene	17.26	178	1886	0.330	ng/ul	99
19) Fluoranthene	19.19	202	3205	0.342	ng/ul	98
20) Pyrene	19.56	202	3237	0.341	ng/ul	99
21) Benzo(a)anthracene	21.31	228	3501	0.367	ng/ul	98
22) Chrysene	21.36	228	4020	0.369	ng/ul	99
24) Benzo(b)fluoranthene	22.91	252	3845	0.373	ng/ul	97
25) Benzo(k)fluoranthene	22.95	252	3970	0.365	ng/ul	97
26) Benzo(a)pyrene	23.49	252	2921	0.371	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.88	276	4197	0.374	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.90	278	3499	0.389	ng/ul	98
29) Benzo(g,h,i)perylene	26.58	276	3692	0.386	ng/ul	98

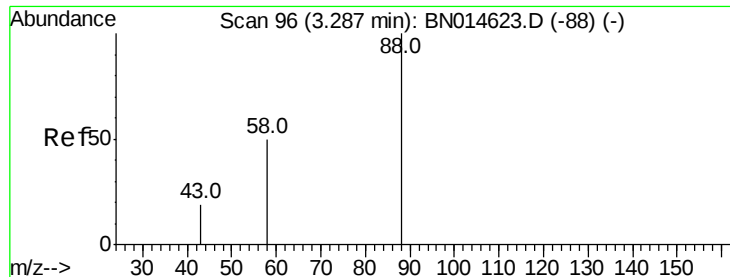
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.562 ng/ul

RT: 3.28 min Scan# 95

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

Instrument :

BNA_N

ClientSampleId :

SLCS058

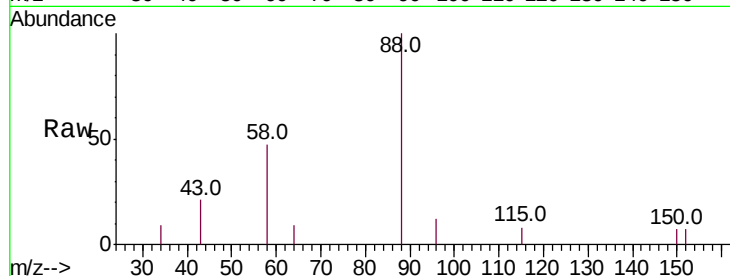
Tot Ion: 88 Resp: 700

Ion Ratio Lower Upper

88 100

43 20.8 22.5 33.7#

58 47.2 30.4 45.6#

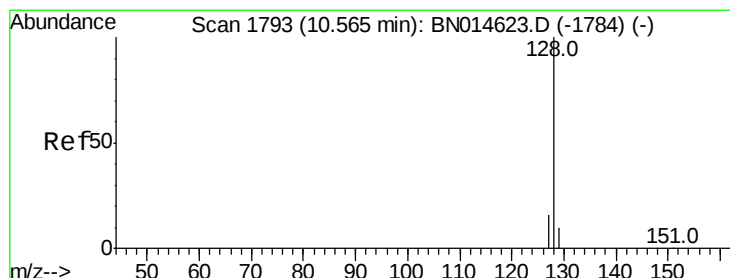
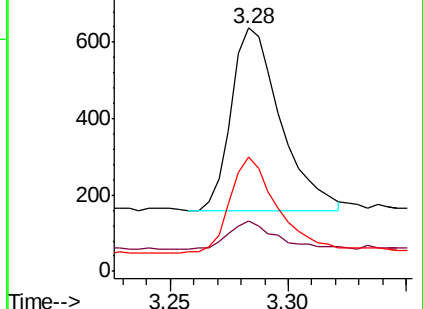
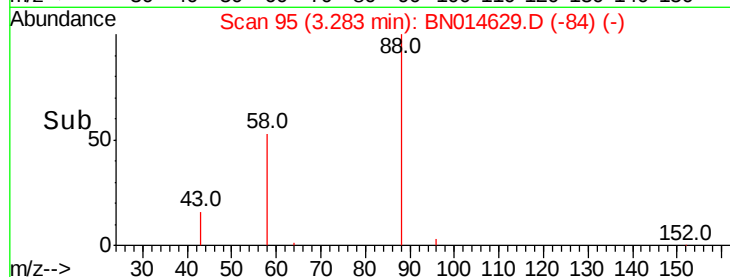


Abundance Ion 88.00 (87.70 to 88.70): BN014623.D (-88) (-)

Ion 43.00 (42.70 to 43.70): BN014623.D (-88) (-)

Ion 58.00 (57.70 to 58.70): BN014623.D (-88) (-)

Time-->



#5

Naphthalene

Concen: 0.325 ng/ul

RT: 10.57 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

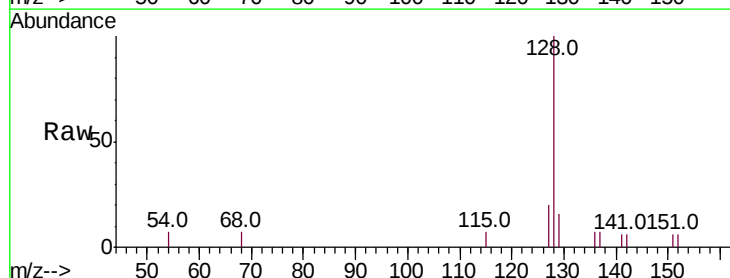
Tgt Ion: 128 Resp: 1241

Ion Ratio Lower Upper

128 100

129 15.6 10.9 16.3

127 20.1 15.7 23.5

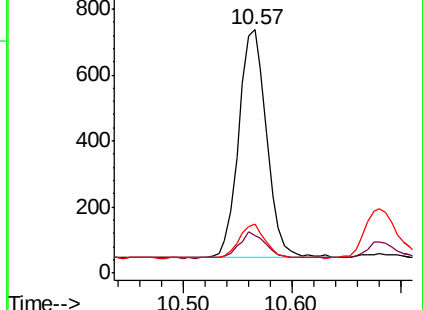
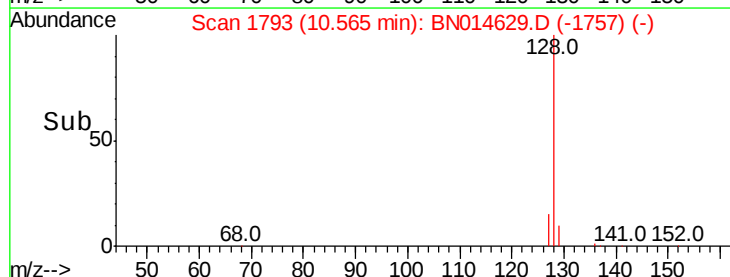


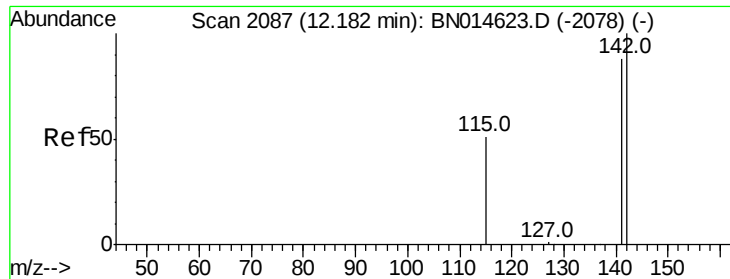
Abundance Ion 128.00 (127.70 to 128.70): BN014629.D (-1757) (-)

Ion 129.00 (128.70 to 129.70): BN014629.D (-1757) (-)

Ion 127.00 (126.70 to 127.70): BN014629.D (-1757) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.316 ng/ul

RT: 12.19 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

Instrument :

BNA_N

ClientSampleId :

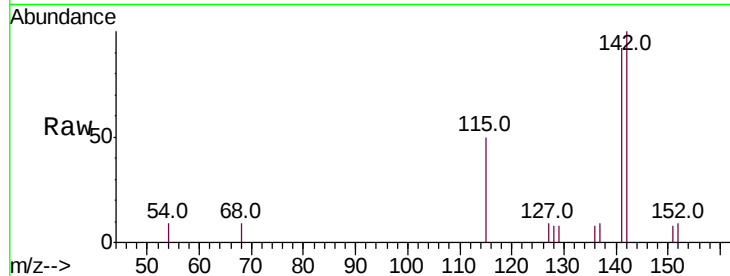
SLCS058

Tot Ion:142 Resp: 867

Ion Ratio Lower Upper

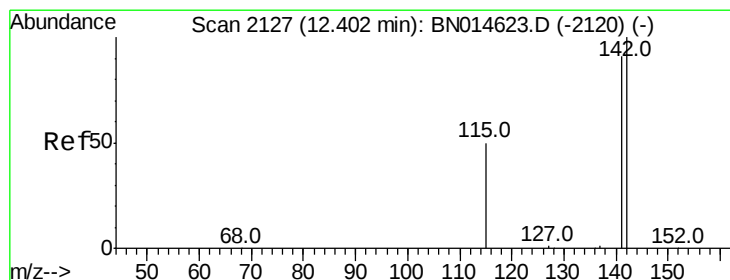
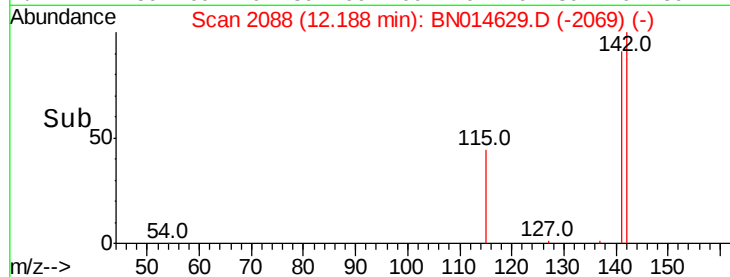
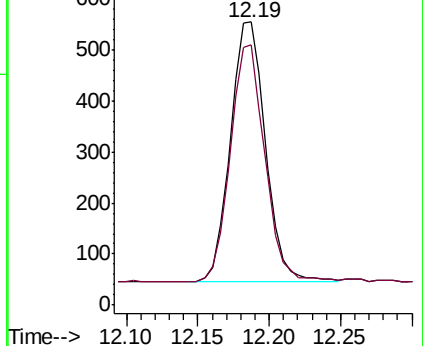
142 100

141 90.9 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.319 ng/ul

RT: 12.41 min Scan# 2128

Delta R.T. 0.01 min

Lab File: BN014629.D

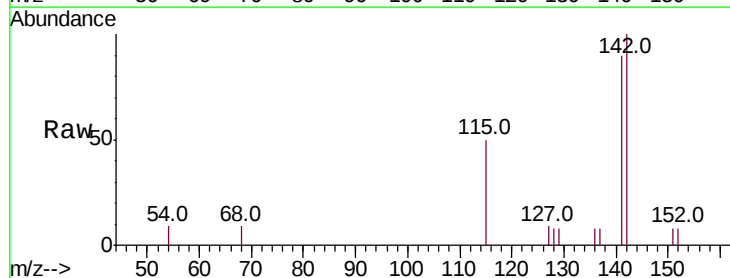
Acq: 14 May 2021 17:51

Tgt Ion:142 Resp: 847

Ion Ratio Lower Upper

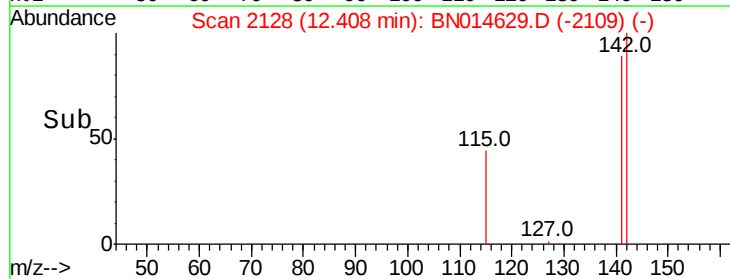
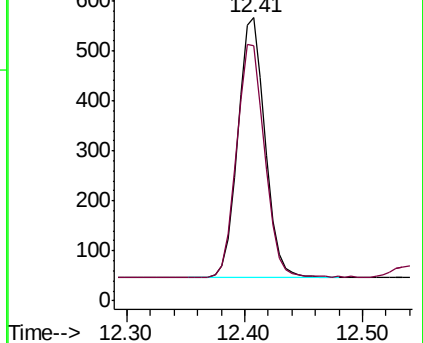
142 100

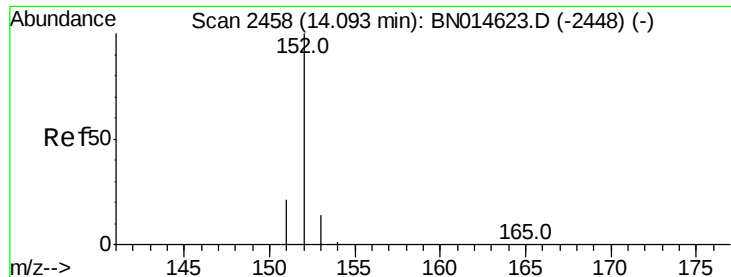
141 92.7 73.9 110.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.296 ng/ul

RT: 14.09 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

Instrument :

BNA_N

ClientSampleId :

SLCS058

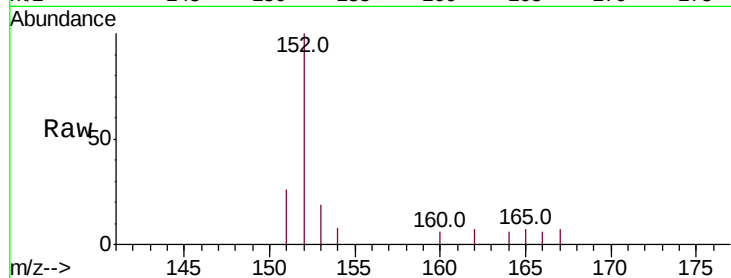
Tot Ion:152 Resp: 998

Ion Ratio Lower Upper

152 100

151 26.4 20.2 30.4

153 18.8 14.2 21.4



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

800

600

400

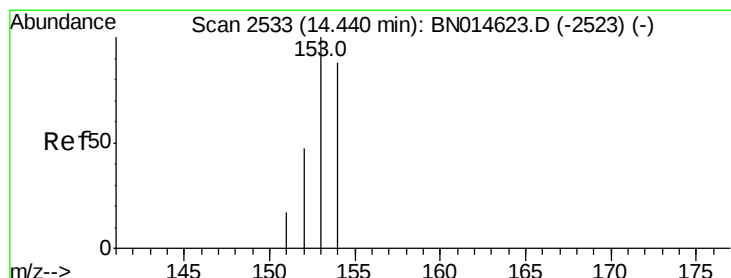
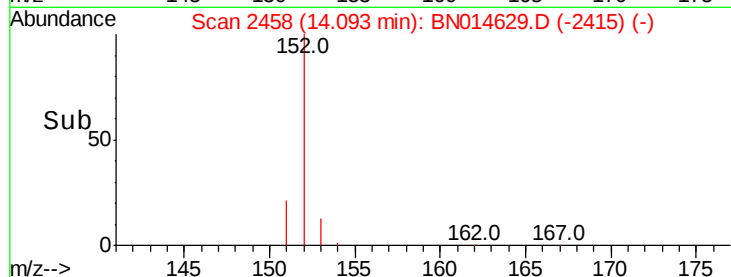
200

0

14.09

14.05 14.10 14.15

Time-->



#11

Acenaphthene

Concen: 0.311 ng/ul

RT: 14.44 min Scan# 2533

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

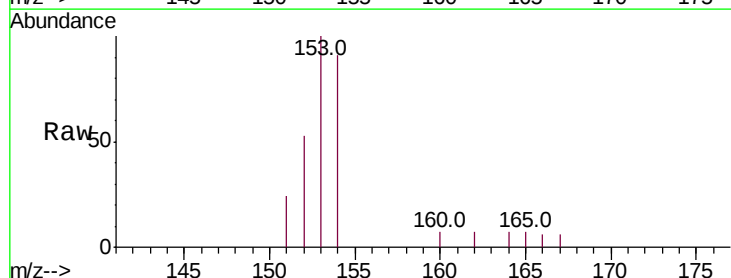
Tgt Ion:153 Resp: 999

Ion Ratio Lower Upper

153 100

152 53.2 39.7 59.5

154 90.6 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

800

600

400

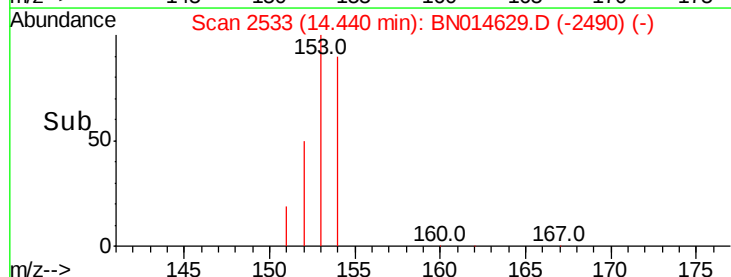
200

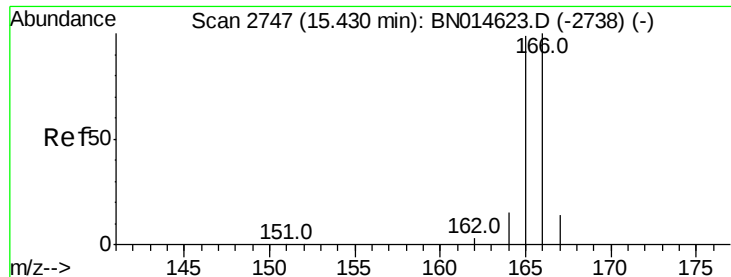
0

14.44

14.40 14.50

Time-->





#12

Fluorene

Concen: 0.313 ng/ul

RT: 15.43 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

Instrument :

BNA_N

ClientSampleId :

SLCS058

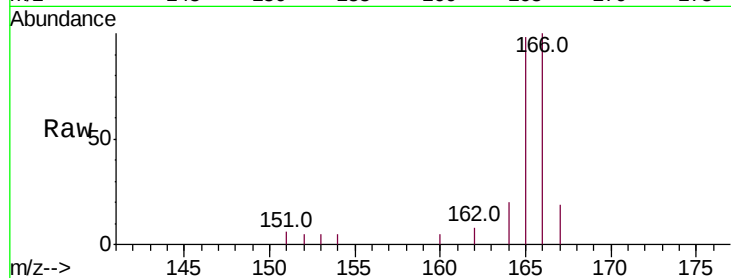
Tot Ion:166 Resp: 1235

Ion Ratio Lower Upper

166 100

165 97.8 79.3 118.9

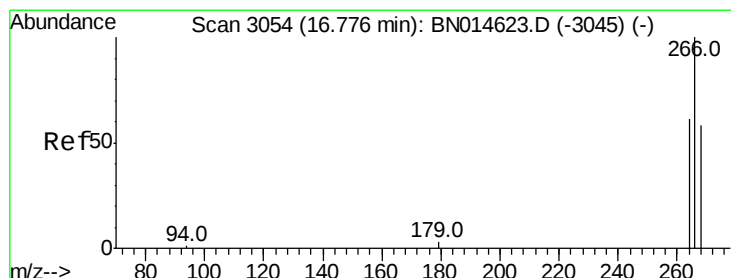
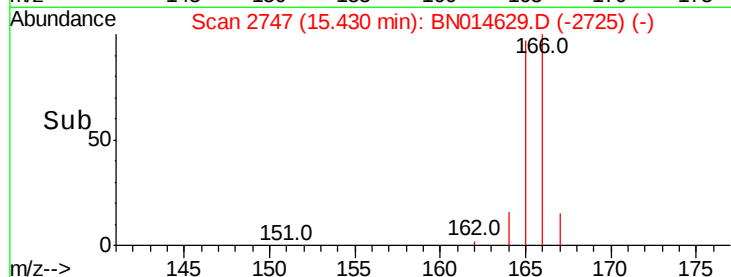
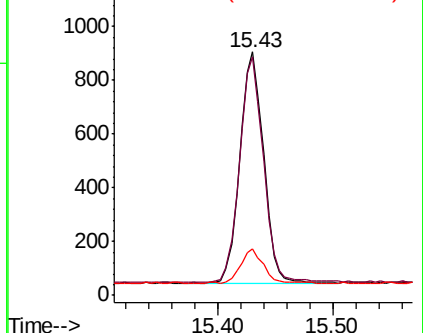
167 18.9 13.8 20.6



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: 0.614 ng/ul

RT: 16.78 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

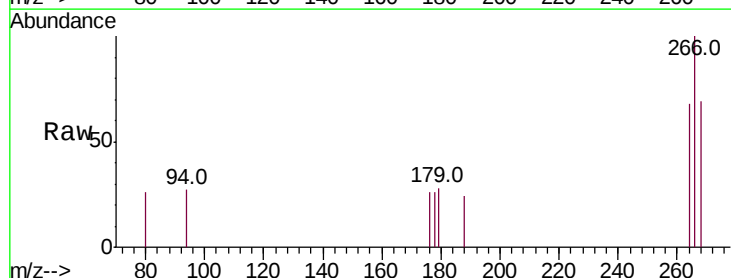
Tgt Ion:266 Resp: 204

Ion Ratio Lower Upper

266 100

264 69.1 52.9 79.3

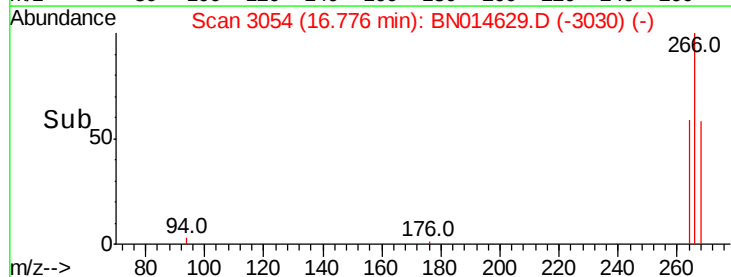
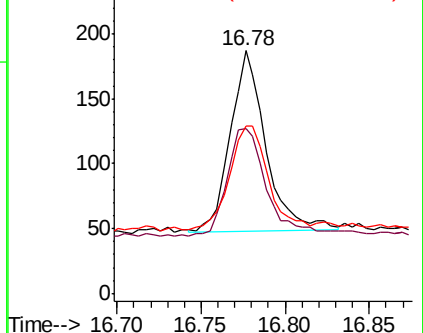
268 68.1 59.4 89.0

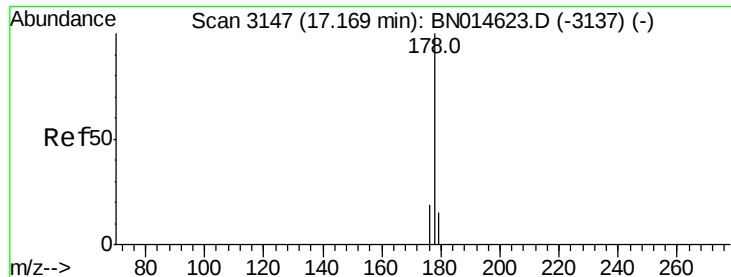


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

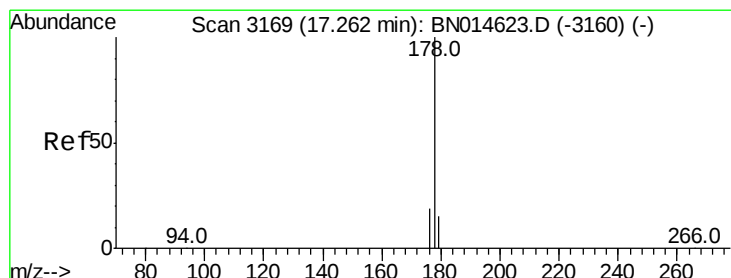
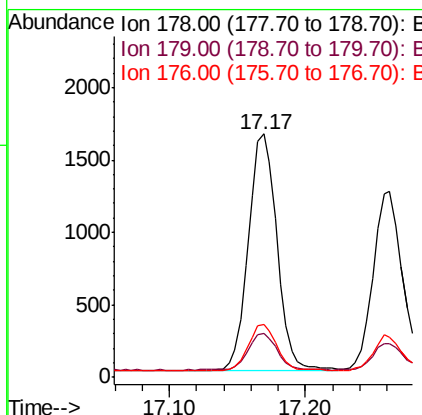
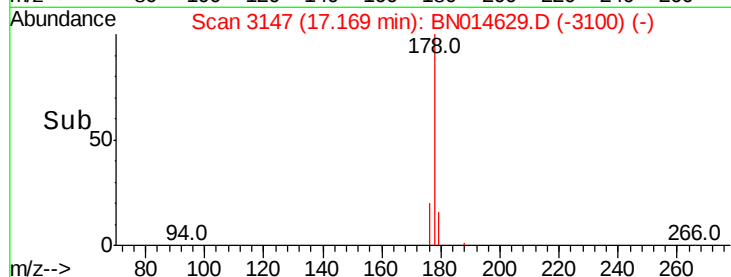
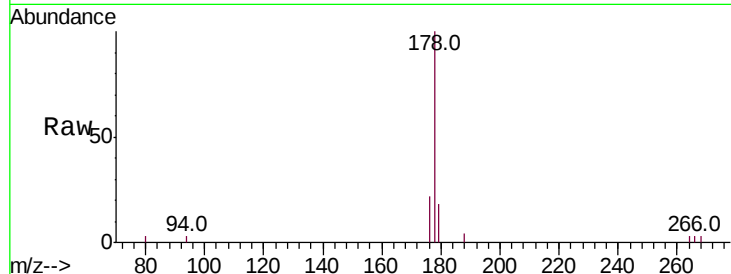




#15
Phenanthrene
Concen: 0.325 ng/ul
RT: 17.17 min Scan# 3147
Delta R.T. -0.00 min
Lab File: BN014629.D
Acq: 14 May 2021 17:51

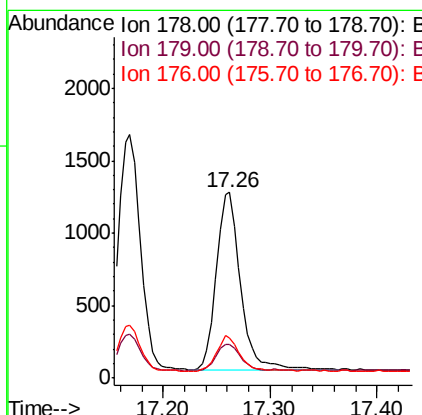
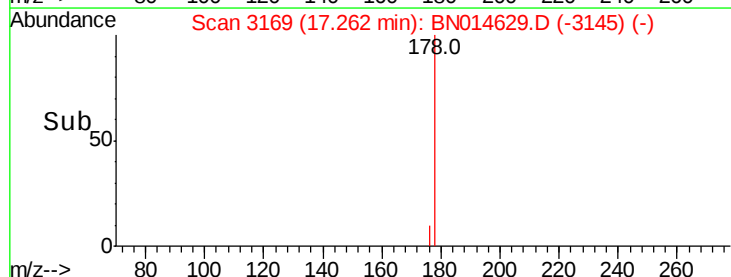
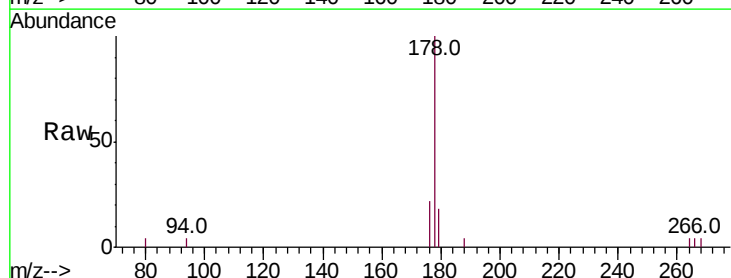
Instrument :
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SLCS058

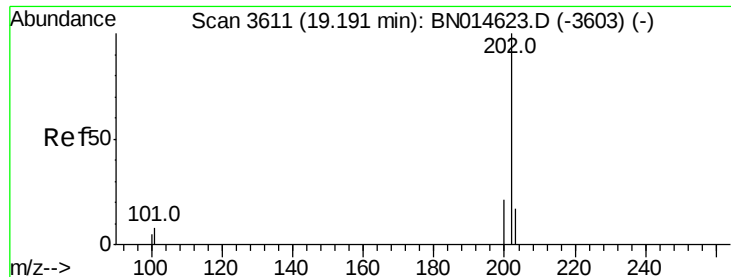
Tot Ion:178 Resp: 2389
Ion Ratio Lower Upper
178 100
179 18.1 13.8 20.6
176 21.7 16.2 24.4



#16
Anthracene
Concen: 0.330 ng/ul
RT: 17.26 min Scan# 3169
Delta R.T. -0.00 min
Lab File: BN014629.D
Acq: 14 May 2021 17:51

Tgt Ion:178 Resp: 1886
Ion Ratio Lower Upper
178 100
179 18.4 14.3 21.5
176 21.9 17.1 25.7

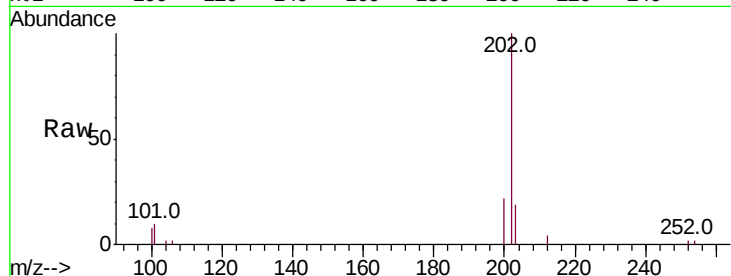




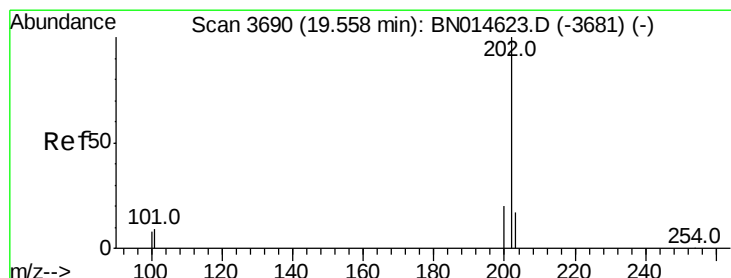
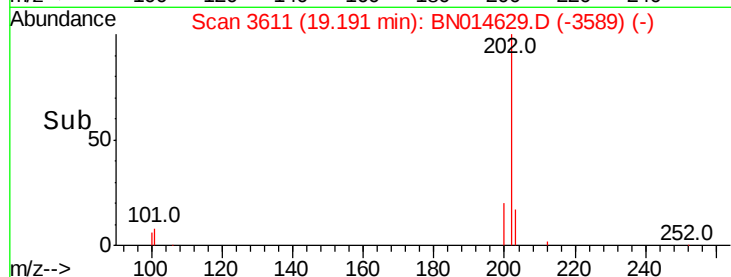
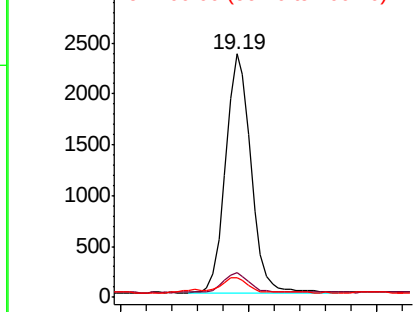
#19
Fluoranthene
Concen: 0.342 ng/ul
RT: 19.19 min Scan# 3611
Delta R.T. -0.00 min
Lab File: BN014629.D
Acq: 14 May 2021 17:51

Instrument :
BNA_N
ClientSampleId :
SLCS058

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.6	11.4
100	8.1	5.9	8.9

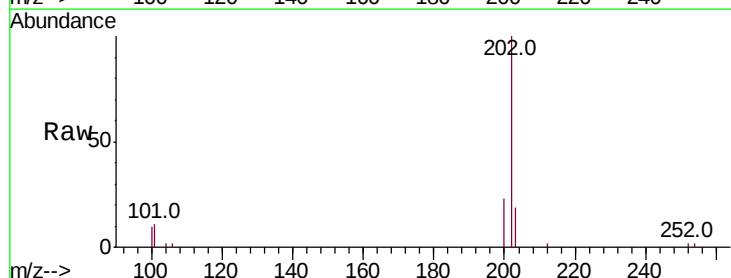


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

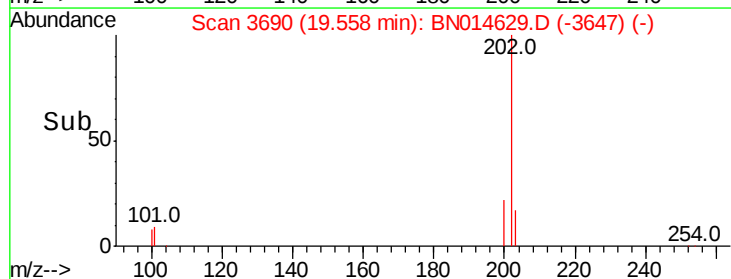
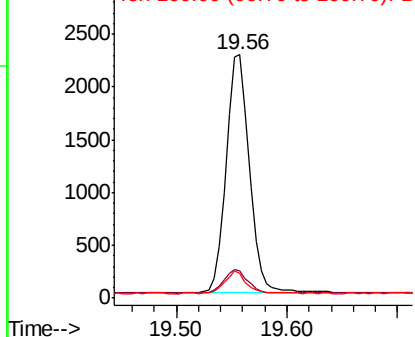


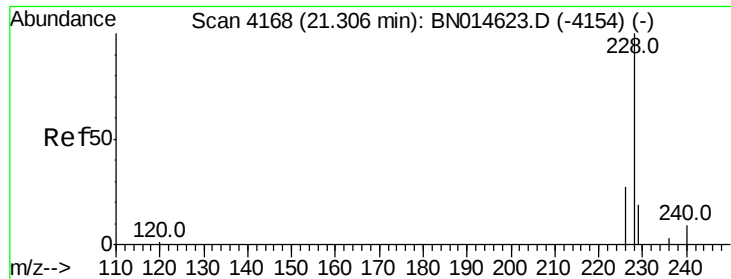
#20
Pyrene
Concen: 0.341 ng/ul
RT: 19.56 min Scan# 3690
Delta R.T. -0.00 min
Lab File: BN014629.D
Acq: 14 May 2021 17:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.5	12.7
100	9.9	7.4	11.2



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





#21

Benzo(a)anthracene

Concen: 0.367 ng/ul

RT: 21.31 min Scan# 4169

Delta R.T. 0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

Instrument :

BNA_N

ClientSampleId :

SLCS058

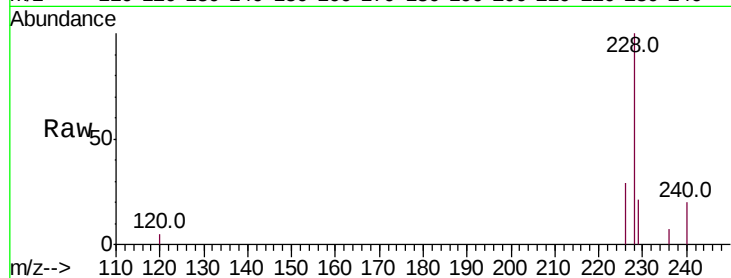
Tot Ion:228 Resp: 3501

Ion Ratio Lower Upper

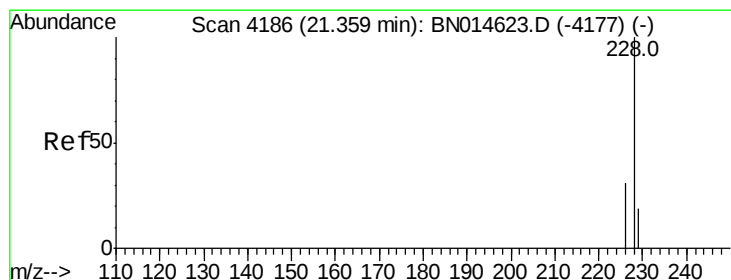
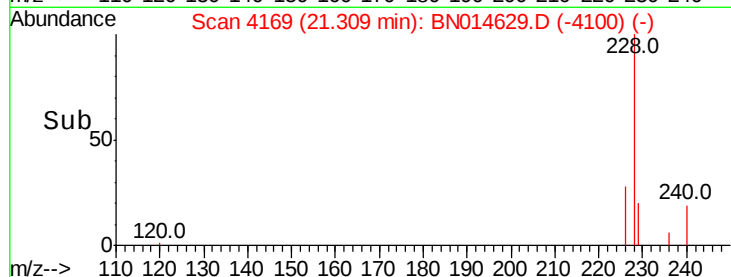
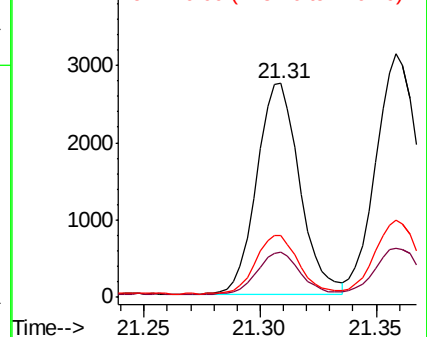
228 100

229 21.4 16.3 24.5

226 29.1 22.6 33.8



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: 0.369 ng/ul

RT: 21.36 min Scan# 4186

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

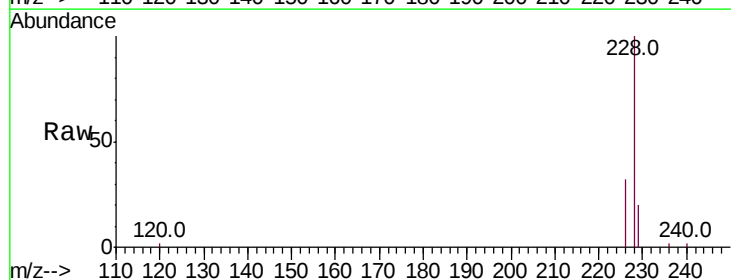
Tgt Ion:228 Resp: 4020

Ion Ratio Lower Upper

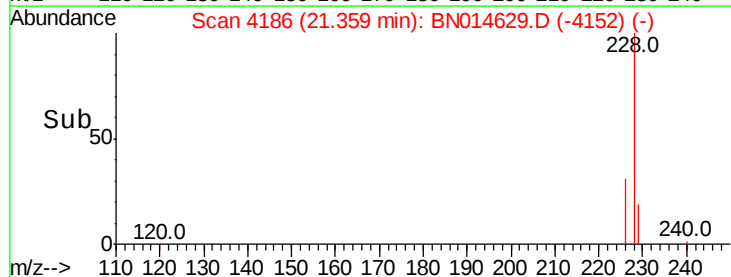
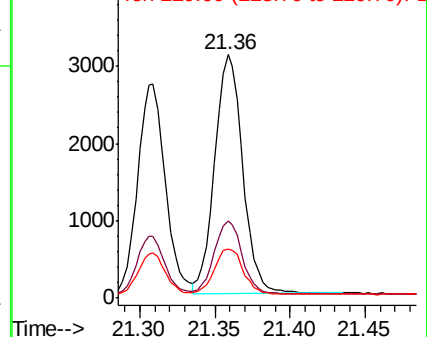
228 100

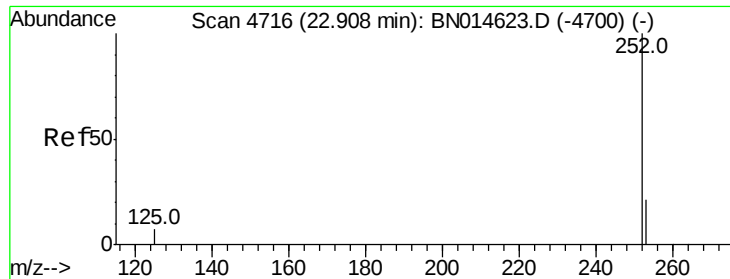
226 31.9 25.3 37.9

229 20.1 16.2 24.4



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: 0.373 ng/ul

RT: 22.91 min Scan# 4716

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

Instrument :

BNA_N

ClientSampleId :

SLCS058

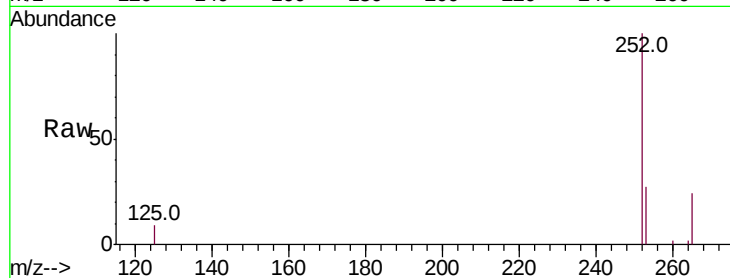
Tot Ion:252 Resp: 3845

Ion Ratio Lower Upper

252 100

253 26.9 0.0 50.2

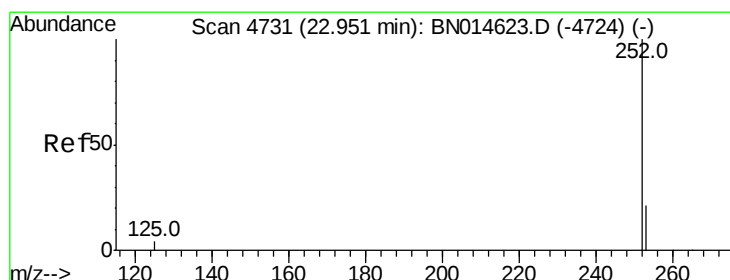
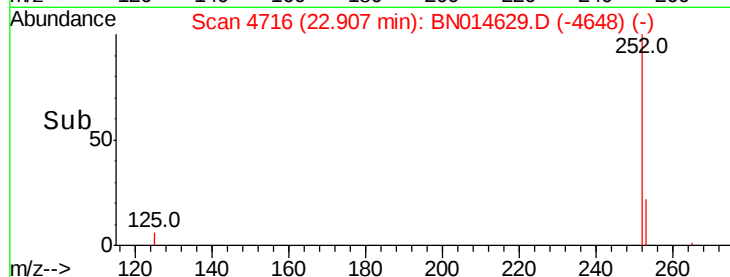
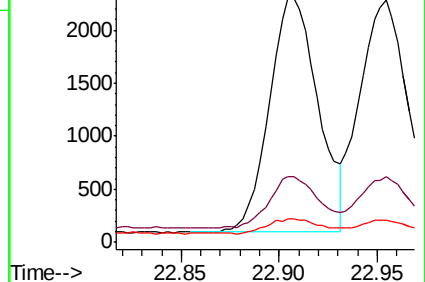
125 9.4 0.0 19.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#25

Benzo(k)fluoranthene

Concen: 0.365 ng/ul

RT: 22.95 min Scan# 4732

Delta R.T. 0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

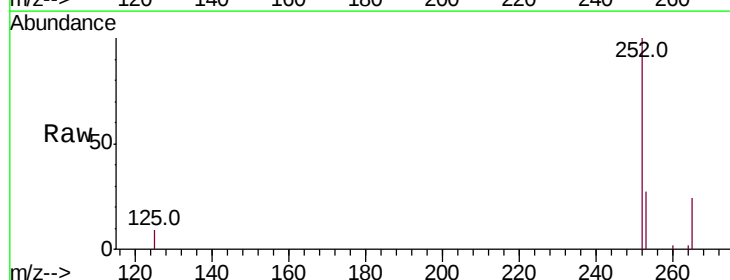
Tgt Ion:252 Resp: 3970

Ion Ratio Lower Upper

252 100

253 27.2 20.5 30.7

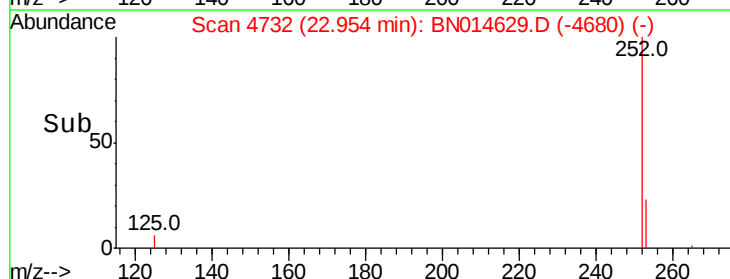
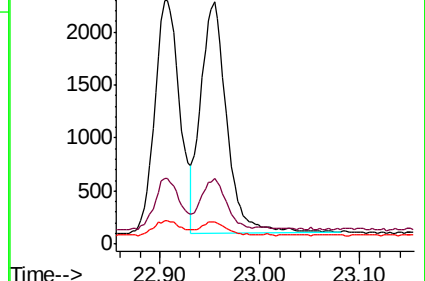
125 9.3 6.9 10.3

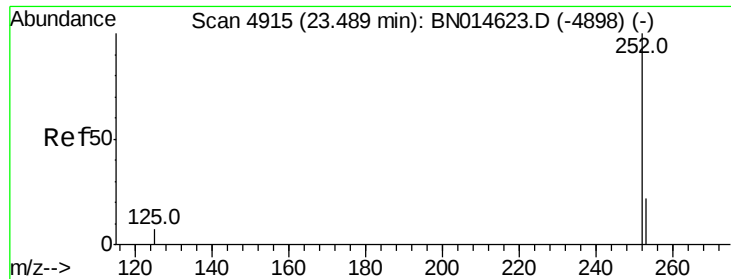


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.371 ng/ul

RT: 23.49 min Scan# 4915

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

Instrument :

BNA_N

ClientSampleId :

SLCS058

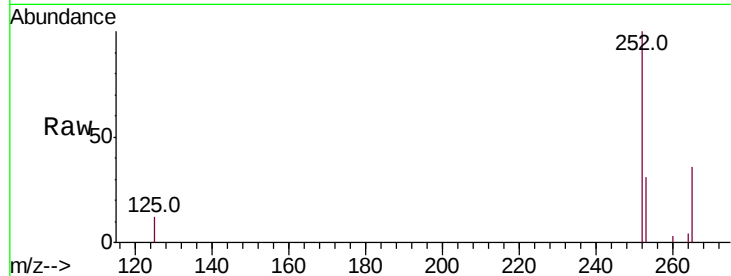
Tot Ion:252 Resp: 2921

Ion Ratio Lower Upper

252 100

253 31.4 23.0 34.6

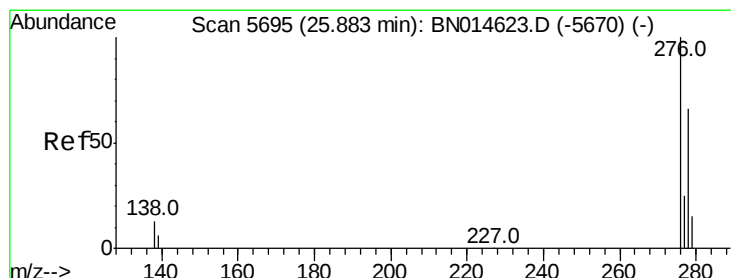
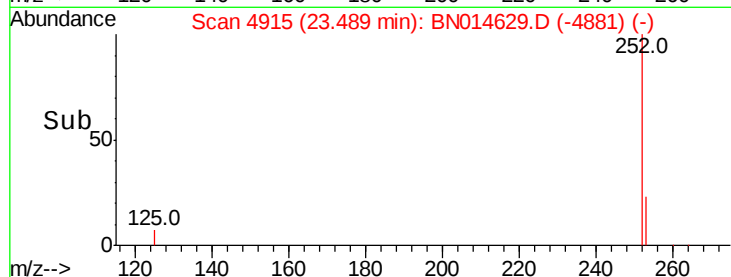
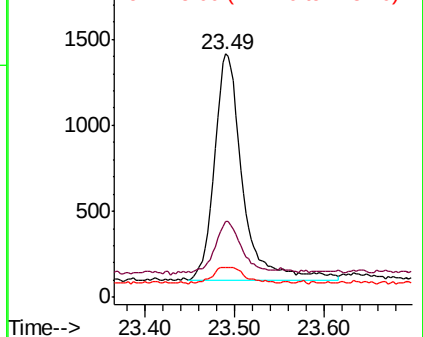
125 12.4 9.5 14.3



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: 0.374 ng/ul

RT: 25.88 min Scan# 5695

Delta R.T. -0.00 min

Lab File: BN014629.D

Acq: 14 May 2021 17:51

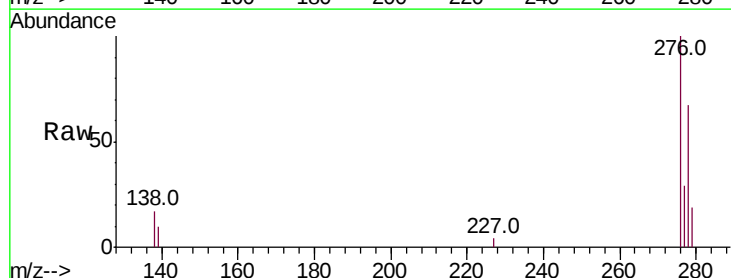
Tgt Ion:276 Resp: 4197

Ion Ratio Lower Upper

276 100

138 13.7 10.9 16.3

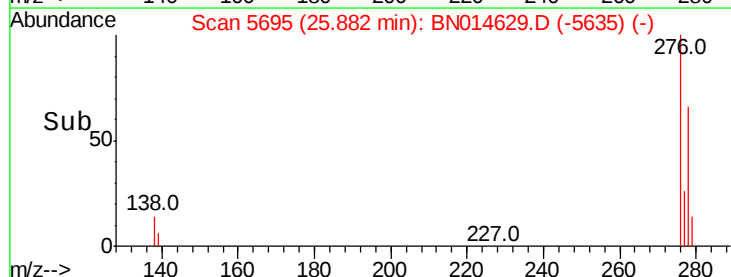
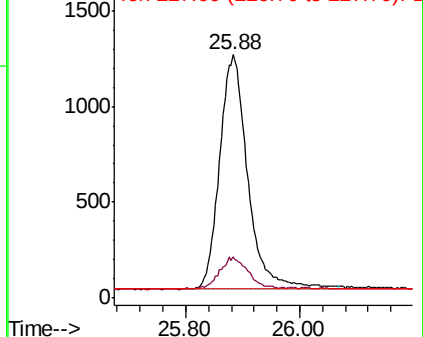
227 0.1 0.1 0.1#

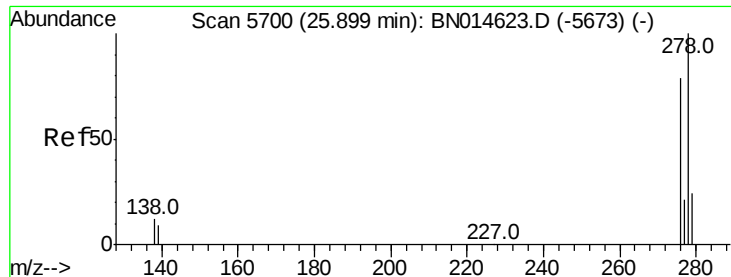


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

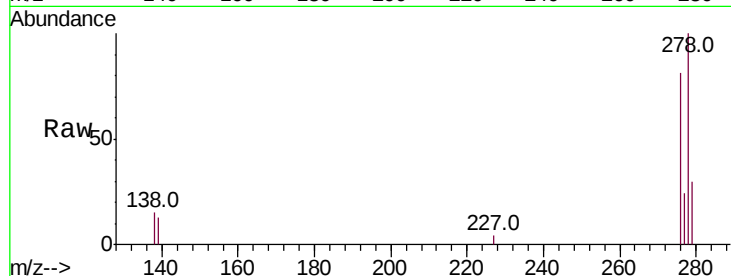




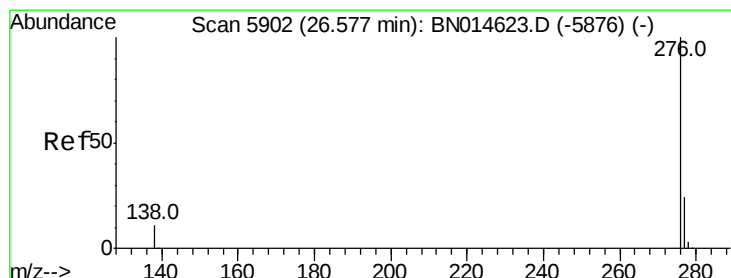
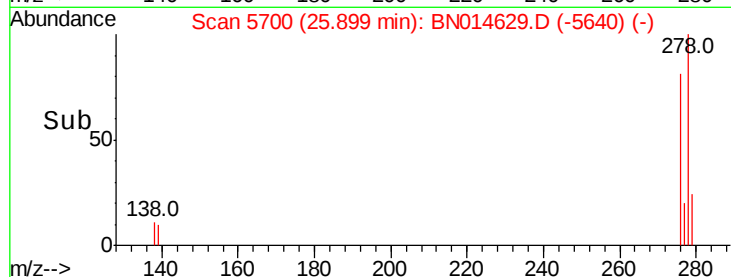
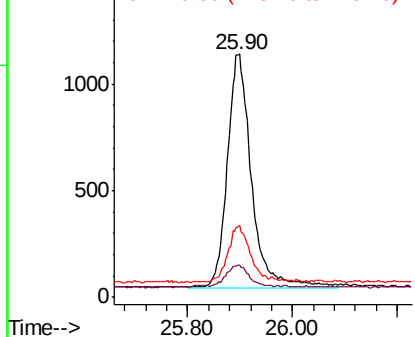
#28
Dibenzo(a,h)anthracene
Concen: 0.389 ng/ul
RT: 25.90 min Scan# 5700
Delta R.T. -0.00 min
Lab File: BN014629.D
Acq: 14 May 2021 17:51

Instrument :
BNA_N
ClientSampleId :
SLCS058

Tot Ion:278 Resp: 3499
Ion Ratio Lower Upper
278 100
139 13.4 10.6 16.0
279 29.8 22.6 34.0

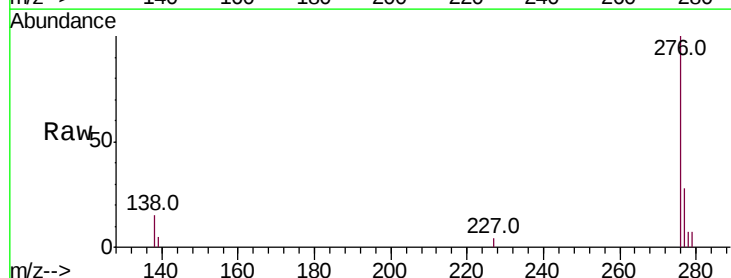


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#29
Benzo(g,h,i)perylene
Concen: 0.386 ng/ul
RT: 26.58 min Scan# 5902
Delta R.T. -0.00 min
Lab File: BN014629.D
Acq: 14 May 2021 17:51

Tgt Ion:276 Resp: 3692
Ion Ratio Lower Upper
276 100
138 15.3 11.5 17.3
277 28.0 21.4 32.2



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

