

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051321\
 Data File : BN014599.D
 Acq On : 13 May 2021 21:09
 Operator : CG/JU
 Sample : PB136094BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS094

Quant Time: May 14 01:07:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 13 12:42:54 2021
 Response via : Initial Calibration

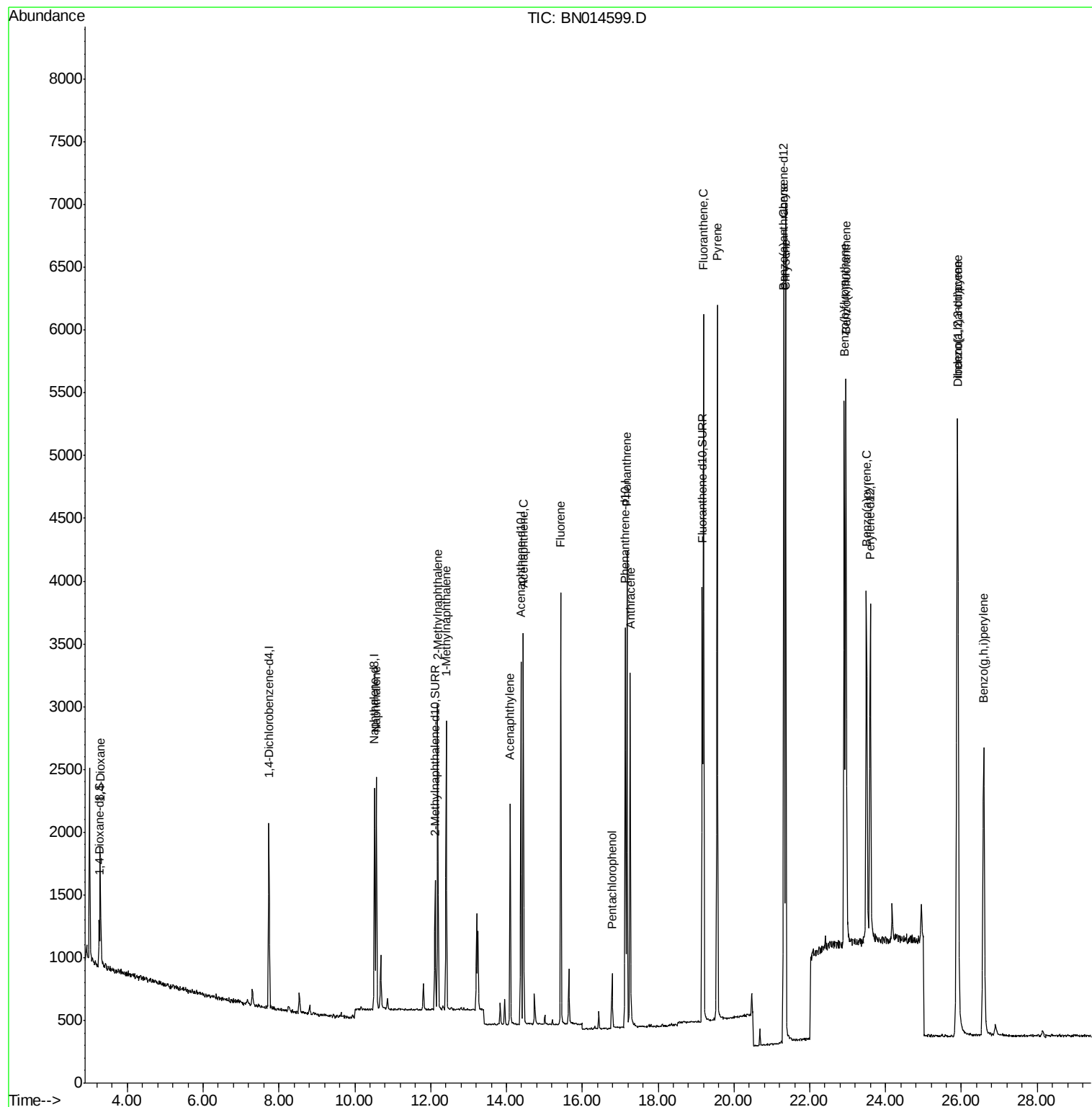
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	689	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	2425	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1568	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	3670	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3954	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	3562	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	266	0.37	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1394	0.34	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	4049	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.29	88	769	0.979	ng/ul#	73
5) Naphthalene	10.57	128	2420	0.347	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	1660	0.332	ng/ul	99
8) 1-Methylnaphthalene	12.41	142	1565	0.325	ng/ul	99
10) Acenaphthylene	14.10	152	2022	0.338	ng/ul	98
11) Acenaphthene	14.44	153	1770	0.330	ng/ul	99
12) Fluorene	15.43	166	2087	0.321	ng/ul	98
14) Pentachlorophenol	16.78	266	304	0.422	ng/ul	90
15) Phenanthrene	17.17	178	3930	0.355	ng/ul	97
16) Anthracene	17.27	178	3154	0.344	ng/ul	99
19) Fluoranthene	19.20	202	4981	0.386	ng/ul	99
20) Pyrene	19.56	202	4838	0.378	ng/ul	100
21) Benzo(a)anthracene	21.31	228	4569	0.382	ng/ul	100
22) Chrysene	21.36	228	5648	0.397	ng/ul	99
24) Benzo(b)fluoranthene	22.91	252	5674	0.380	ng/ul	99
25) Benzo(k)fluoranthene	22.95	252	6174	0.397	ng/ul	100
26) Benzo(a)pyrene	23.49	252	4709	0.401	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.89	276	6808	0.396	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.91	278	5414	0.383	ng/ul	99
29) Benzo(g,h,i)perylene	26.59	276	5322	0.372	ng/ul	99

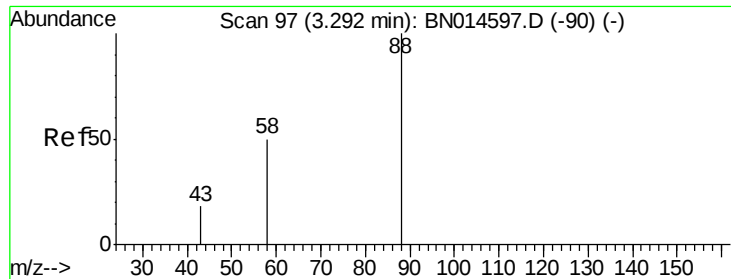
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.979 ng/ul

RT: 3.29 min Scan# 97

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

BNA_N

ClientSampleId :

SLCS094

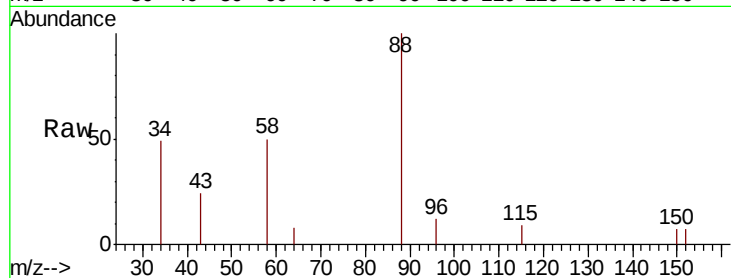
Tot Ion: 88 Resp: 769

Ion Ratio Lower Upper

88 100

43 24.0 15.7 23.5#

58 50.3 23.8 35.6#



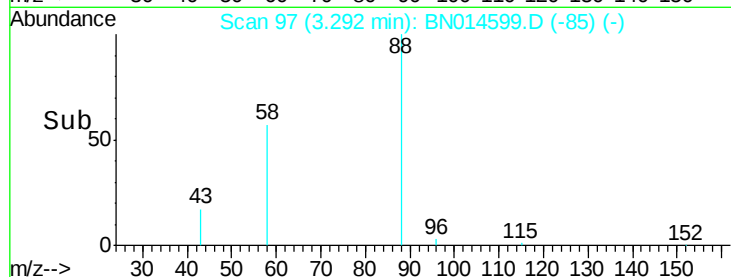
Abundance Ion 88.00 (87.70 to 88.70): BN014599.D (-90) (-)

Ion 43.00 (42.70 to 43.70): BN014599.D (-90) (-)

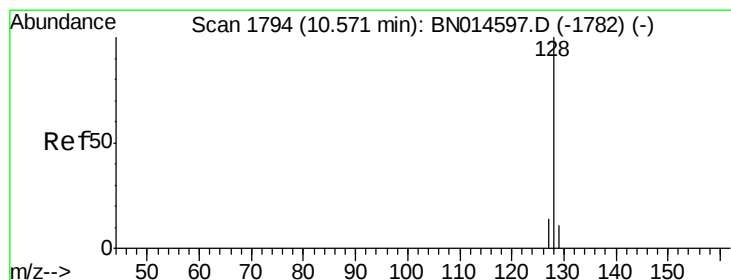
Ion 58.00 (57.70 to 58.70): BN014599.D (-90) (-)

3.29

Time-->



Time-->



#5

Naphthalene

Concen: 0.347 ng/ul

RT: 10.57 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

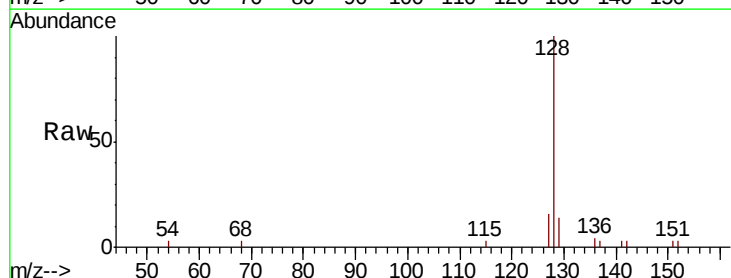
Tgt Ion: 128 Resp: 2420

Ion Ratio Lower Upper

128 100

129 14.1 11.6 17.4

127 16.1 13.3 19.9



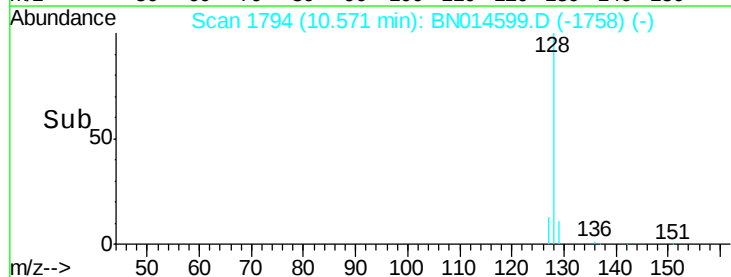
Abundance Ion 128.00 (127.70 to 128.70): BN014599.D (-1782) (-)

Ion 129.00 (128.70 to 129.70): BN014599.D (-1782) (-)

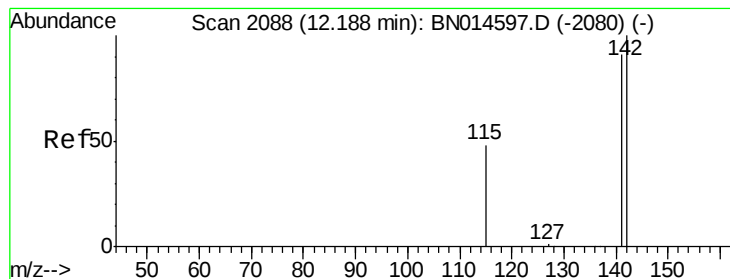
Ion 127.00 (126.70 to 127.70): BN014599.D (-1782) (-)

10.57

Time-->



Time-->



#7

2-Methylnaphthalene

Concen: 0.332 ng/ul

RT: 12.19 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

BNA_N

ClientSampleId :

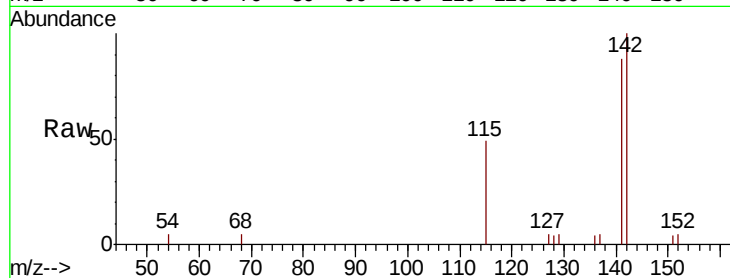
SLCS094

Tot Ion:142 Resp: 1660

Ion Ratio Lower Upper

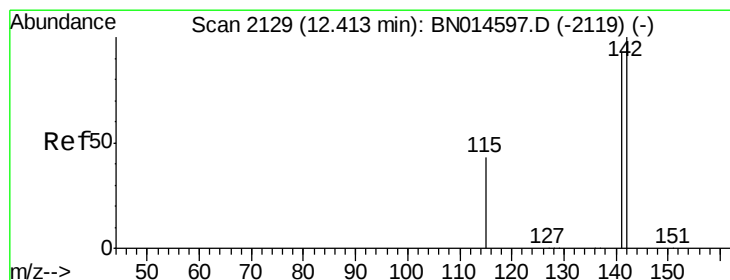
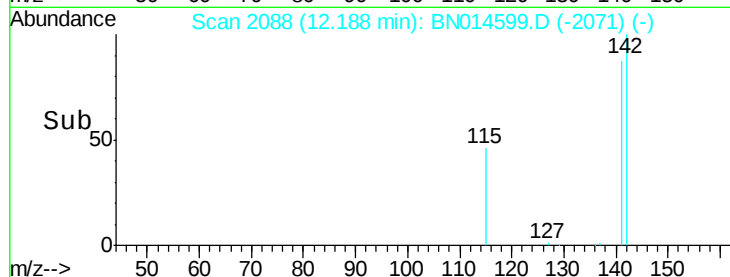
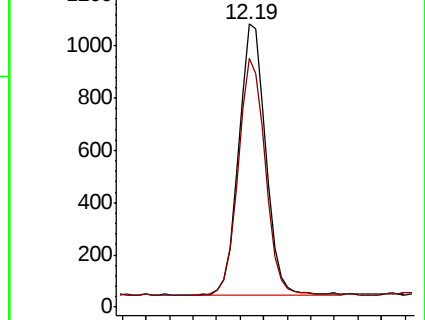
142 100

141 87.6 70.9 106.3



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: 12.41 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BN014599.D

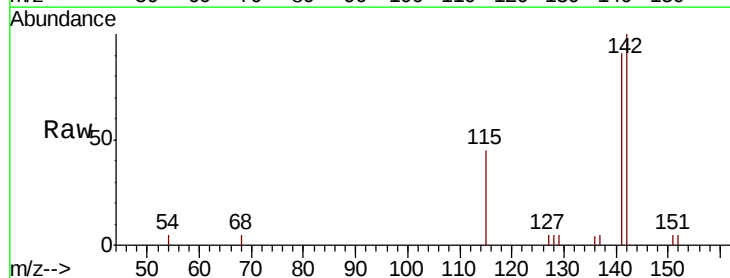
Acq: 13 May 2021 21:09

Tgt Ion:142 Resp: 1565

Ion Ratio Lower Upper

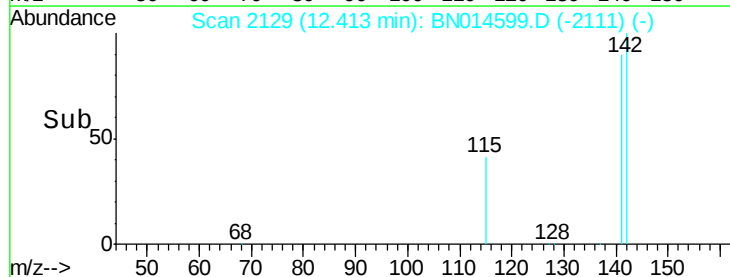
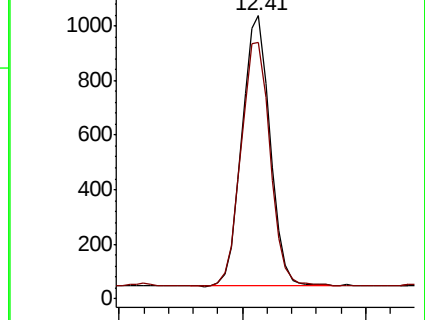
142 100

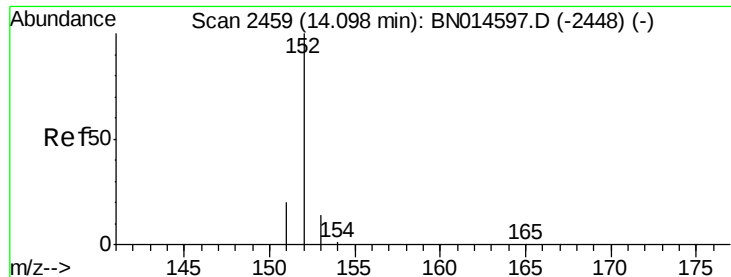
141 93.6 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.338 ng/ul

RT: 14.10 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

BNA_N

ClientSampleId :

SLCS094

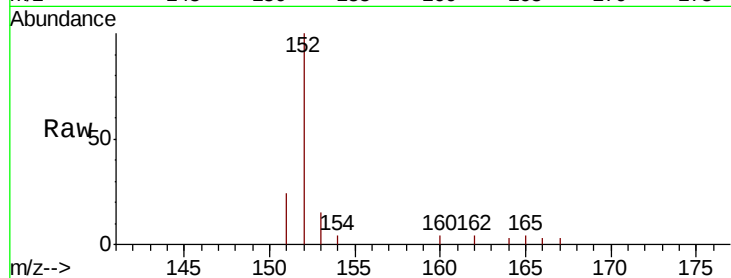
Tot Ion:152 Resp: 2022

Ion Ratio Lower Upper

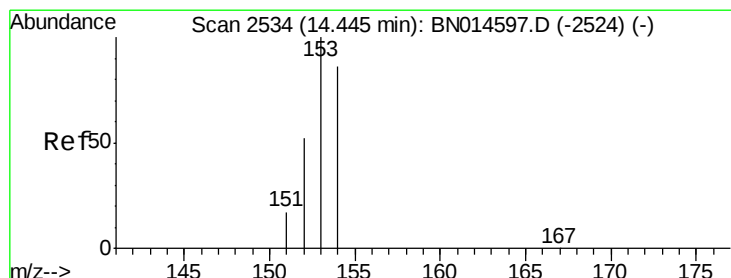
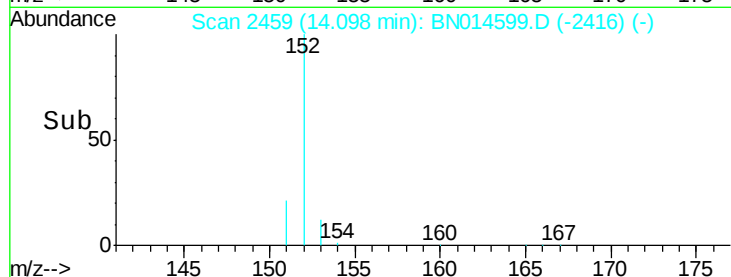
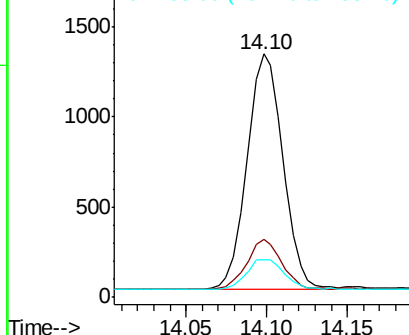
152 100

151 24.1 18.2 27.2

153 15.3 12.8 19.2



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



#11

Acenaphthene

Concen: 0.330 ng/ul

RT: 14.44 min Scan# 2534

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

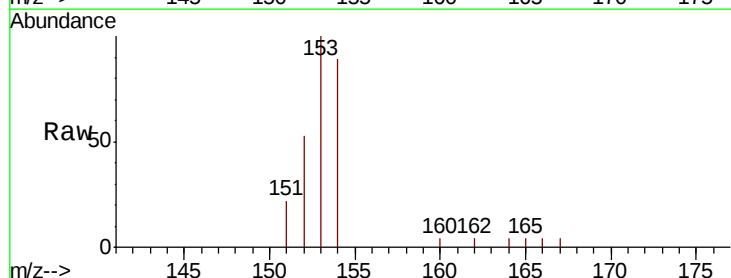
Tgt Ion:153 Resp: 1770

Ion Ratio Lower Upper

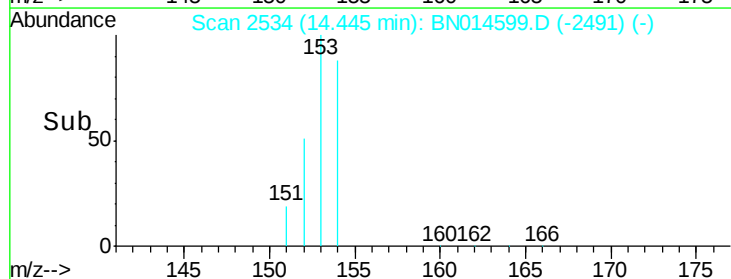
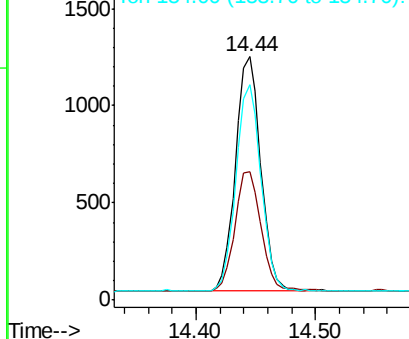
153 100

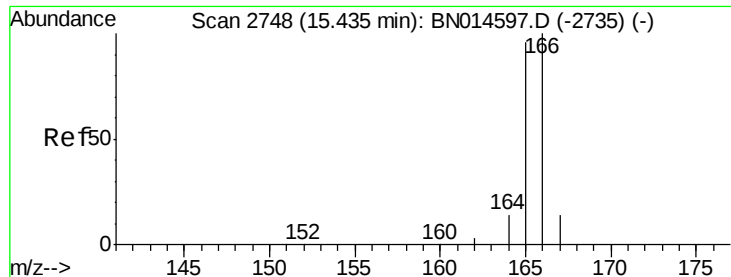
152 52.8 40.9 61.3

154 88.5 70.7 106.1



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





#12

Fluorene

Concen: 0.321 ng/ul

RT: 15.43 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

BNA_N

ClientSampleId :

SLCS094

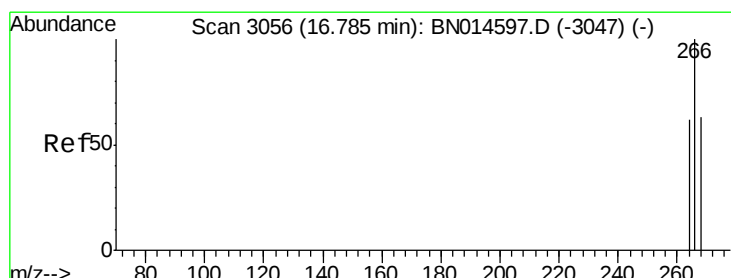
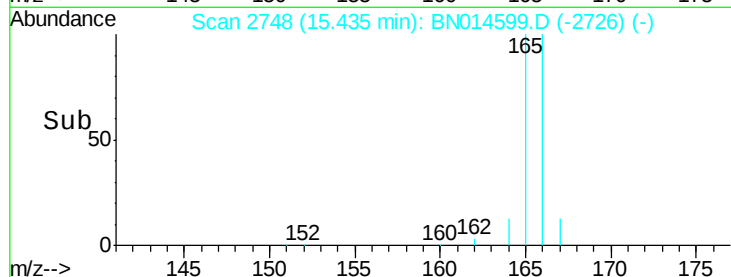
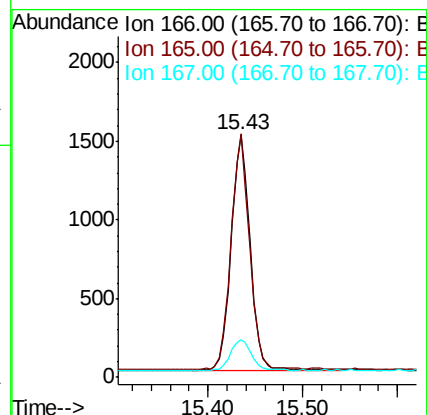
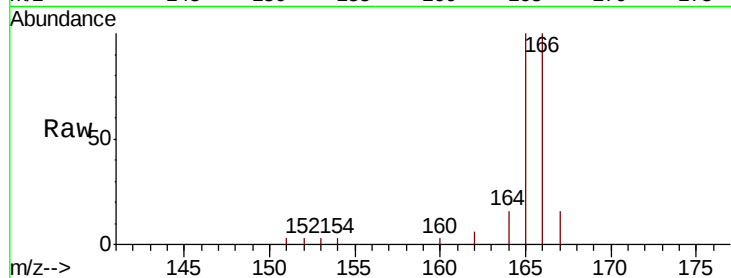
Tot Ion:166 Resp: 2087

Ion Ratio Lower Upper

166 100

165 100.4 78.6 118.0

167 15.6 13.2 19.8



#14

Pentachlorophenol

Concen: 0.422 ng/ul

RT: 16.78 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

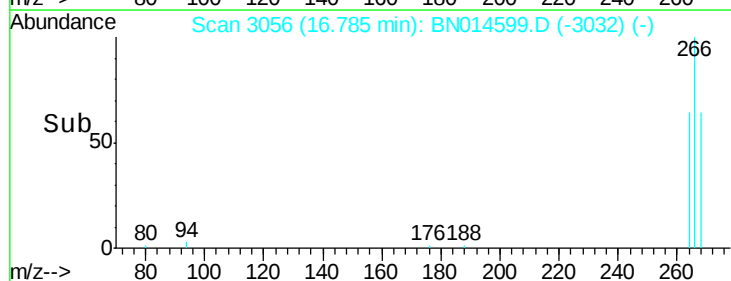
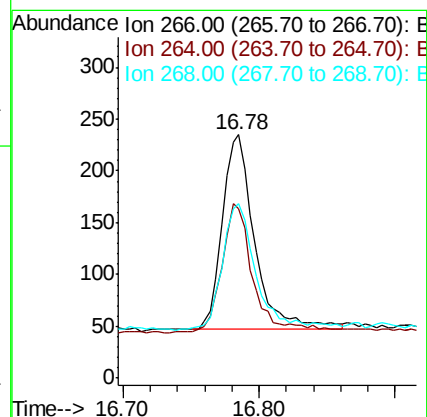
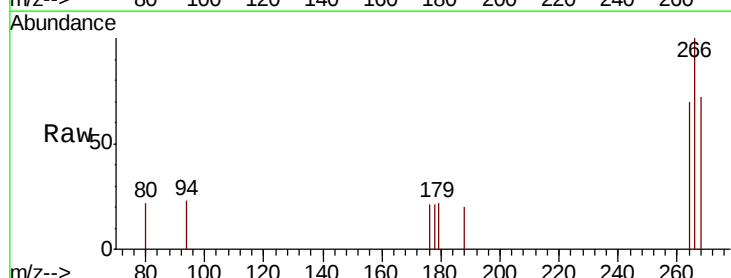
Tgt Ion:266 Resp: 304

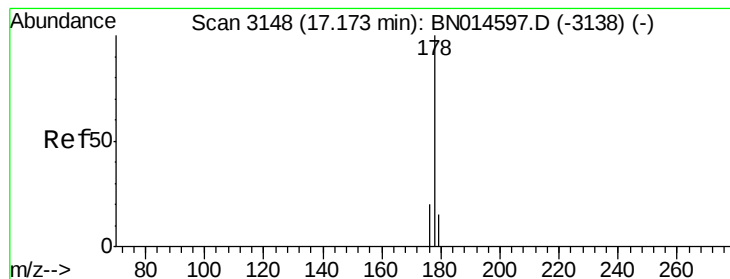
Ion Ratio Lower Upper

266 100

264 66.1 49.4 74.2

268 71.7 49.1 73.7





#15

Phenanthrene

Concen: 0.355 ng/ul

RT: 17.17 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

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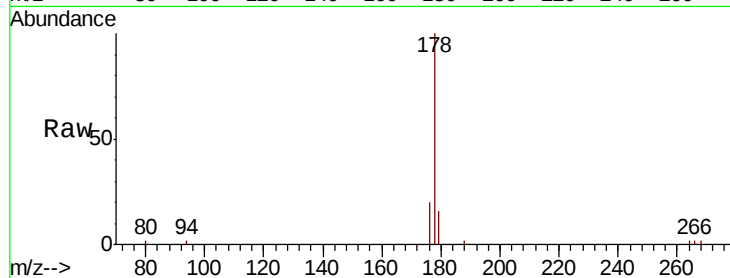
Tot Ion:178 Resp: 3930

Ion Ratio Lower Upper

178 100

179 16.3 14.1 21.1

176 19.9 16.9 25.3

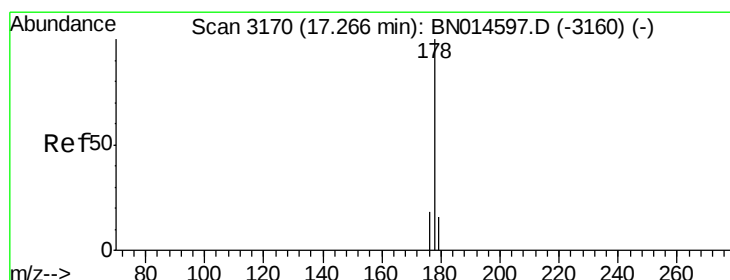
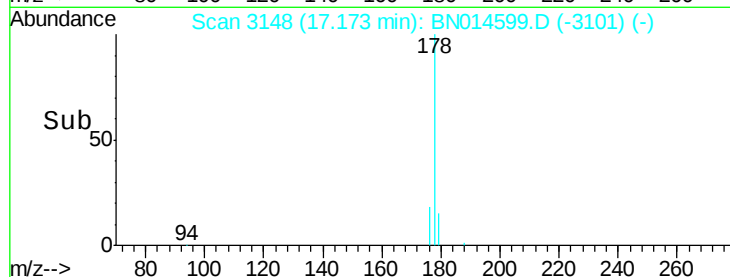
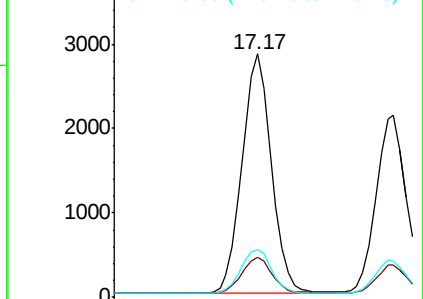


Abundance

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: 0.344 ng/ul

RT: 17.27 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

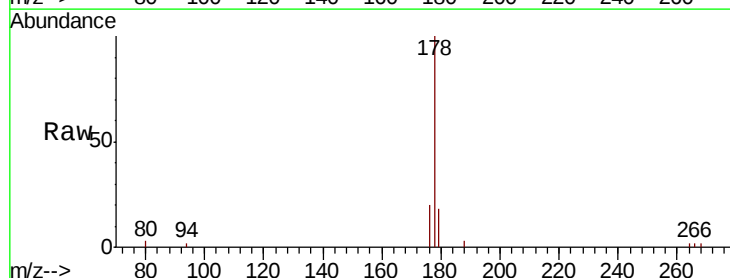
Tgt Ion:178 Resp: 3154

Ion Ratio Lower Upper

178 100

179 17.8 14.1 21.1

176 20.1 15.8 23.6

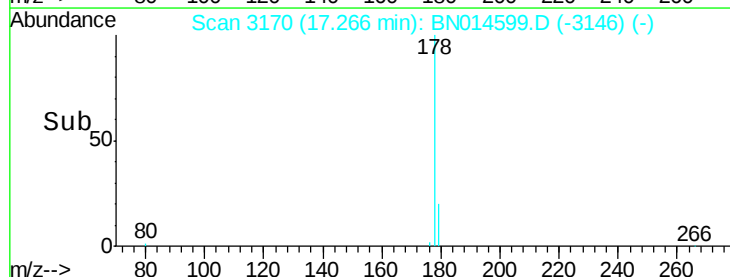
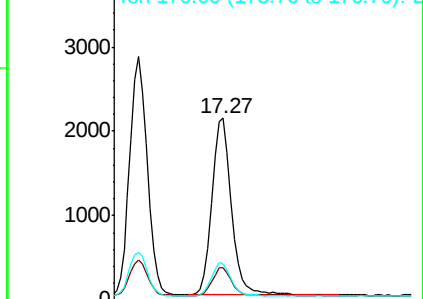


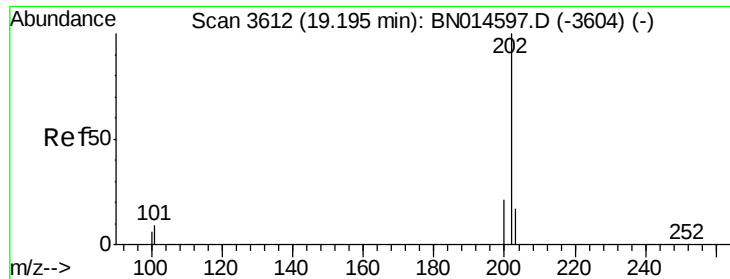
Abundance

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: 0.386 ng/ul

RT: 19.20 min Scan# 3612

Delta R.T. 0.00 min

Lab File: BN014599.D

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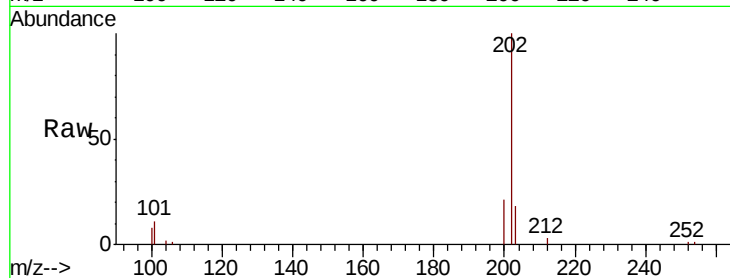
Tot Ion:202 Resp: 4981

Ion Ratio Lower Upper

202 100

101 10.5 8.3 12.5

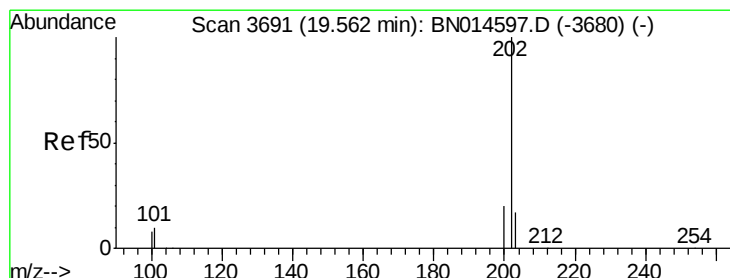
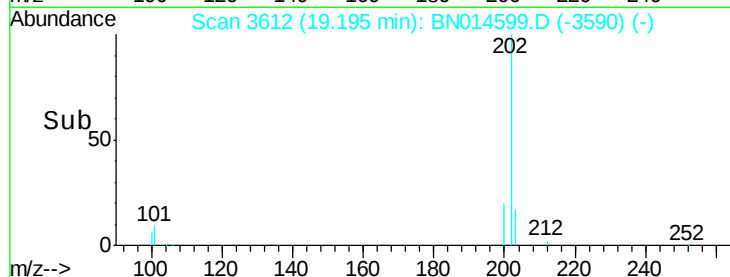
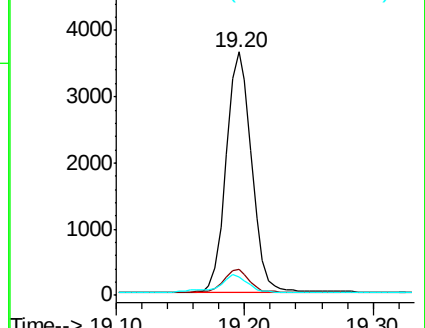
100 7.7 6.7 10.1



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: 0.378 ng/ul

RT: 19.56 min Scan# 3690

Delta R.T. -0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

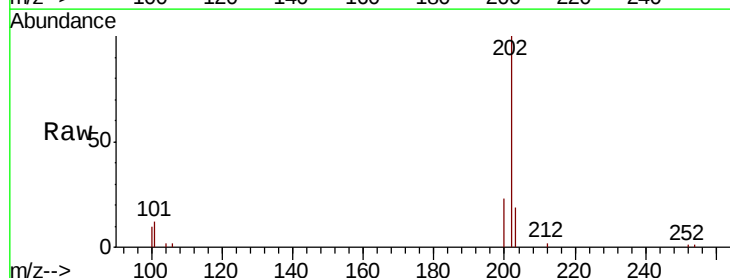
Tgt Ion:202 Resp: 4838

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.0

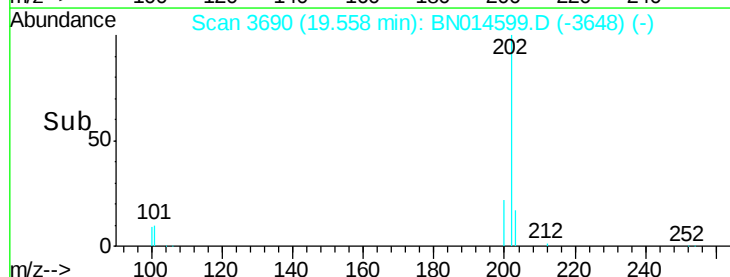
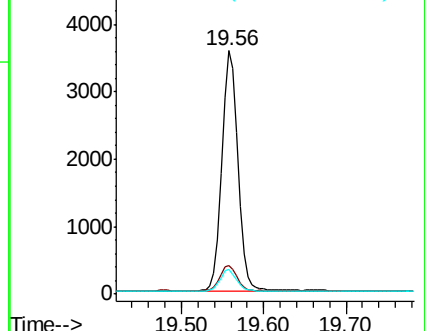
100 10.2 8.2 12.4

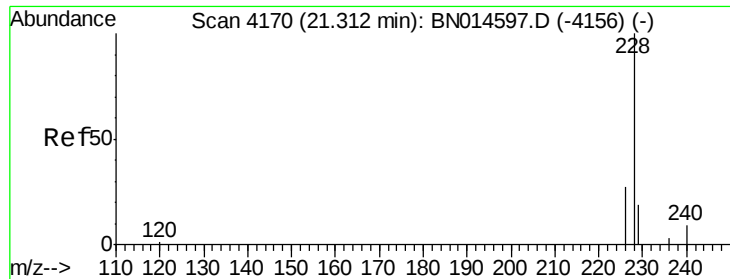


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.382 ng/ul

RT: 21.31 min Scan# 4170

Delta R.T. 0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

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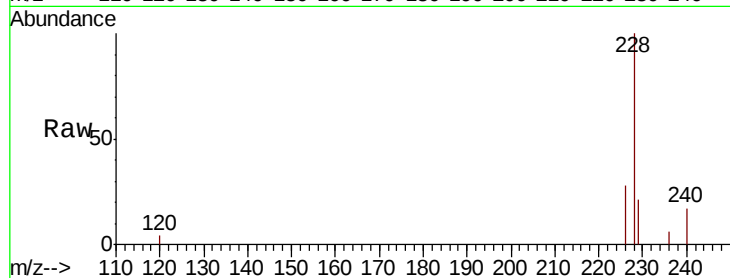
Tot Ion:228 Resp: 4569

Ion Ratio Lower Upper

228 100

229 20.5 16.0 24.0

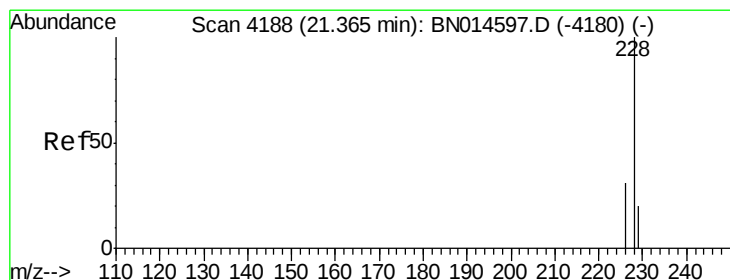
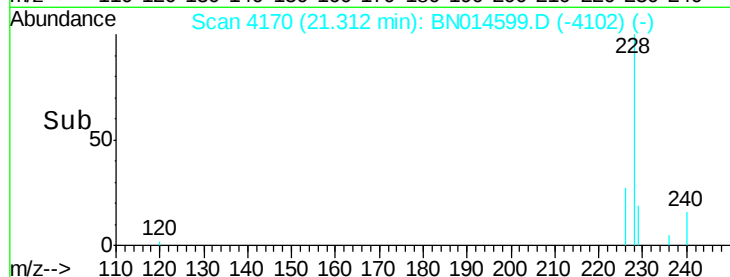
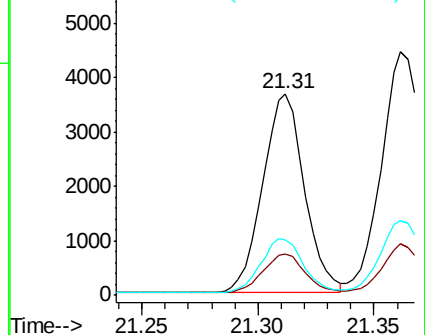
226 27.7 22.2 33.2



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: 0.397 ng/ul

RT: 21.36 min Scan# 4187

Delta R.T. -0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

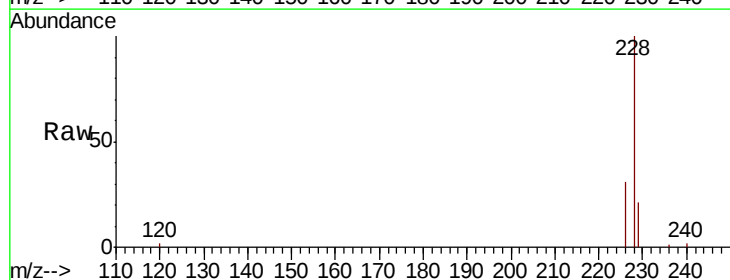
Tgt Ion:228 Resp: 5648

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

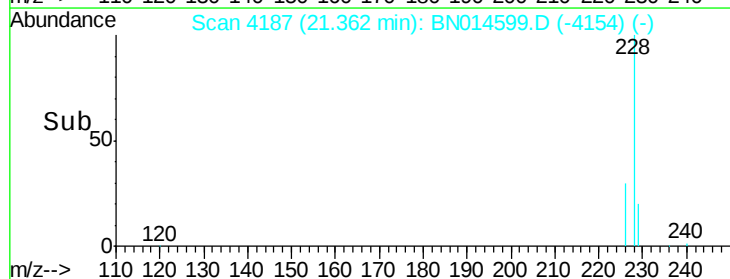
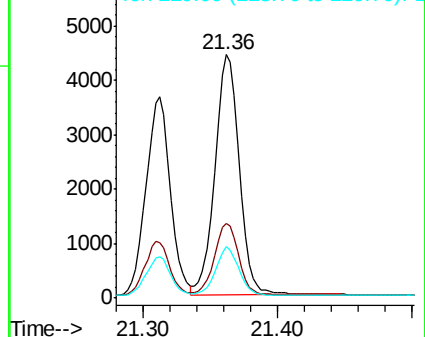
229 21.1 16.3 24.5

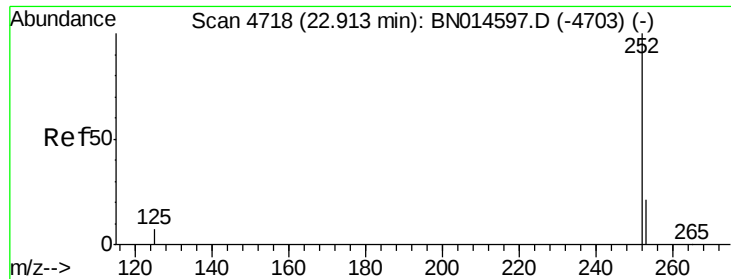


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.380 ng/ul

RT: 22.91 min Scan# 4717

Delta R.T. -0.01 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

BNA_N

ClientSampleId :

SLCS094

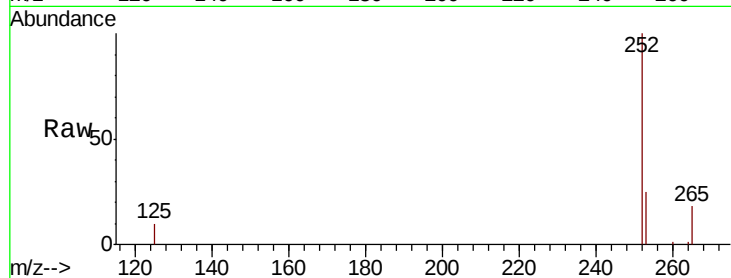
Tot Ion:252 Resp: 5674

Ion Ratio Lower Upper

252 100

253 25.1 0.0 51.0

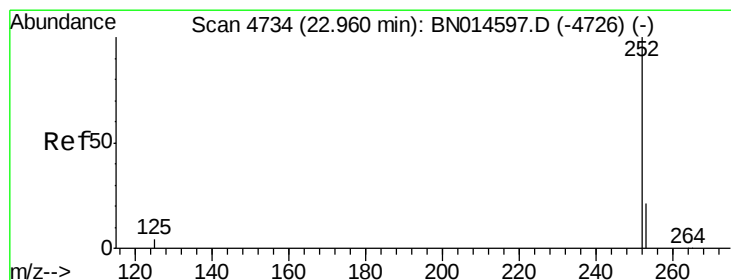
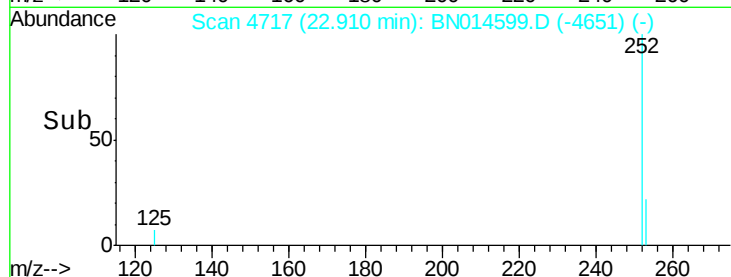
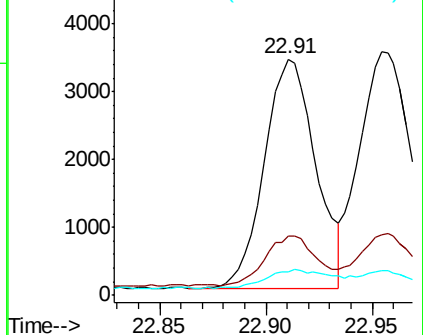
125 9.9 0.0 20.2



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



#25

Benzo(k)fluoranthene

Concen: 0.397 ng/ul

RT: 22.95 min Scan# 4732

Delta R.T. -0.01 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

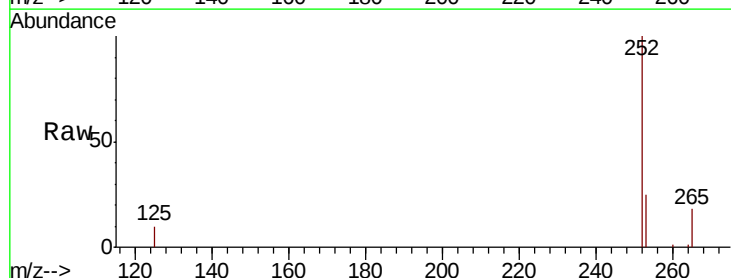
Tgt Ion:252 Resp: 6174

Ion Ratio Lower Upper

252 100

253 25.1 20.2 30.2

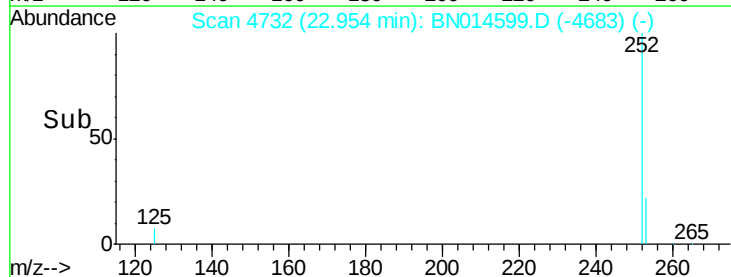
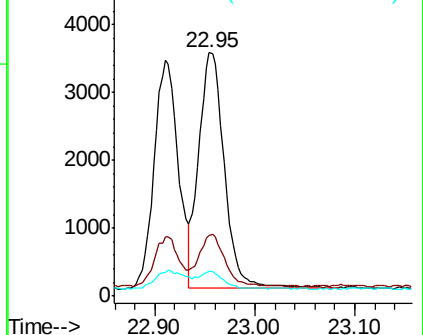
125 10.2 8.4 12.6

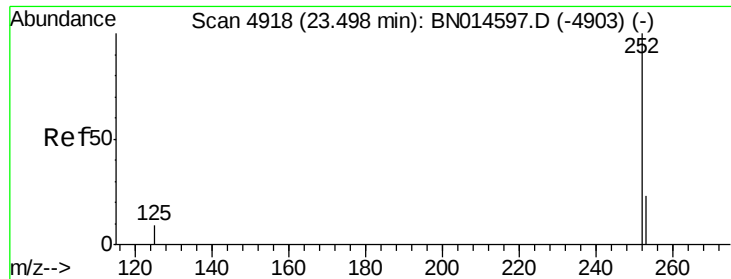


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.401 ng/ul

RT: 23.49 min Scan# 4916

Delta R.T. -0.01 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

Instrument :

BNA_N

ClientSampleId :

SLCS094

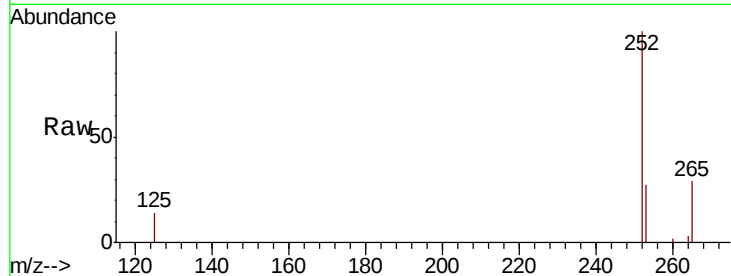
Tot Ion:252 Resp: 4709

Ion Ratio Lower Upper

252 100

253 26.9 23.0 34.4

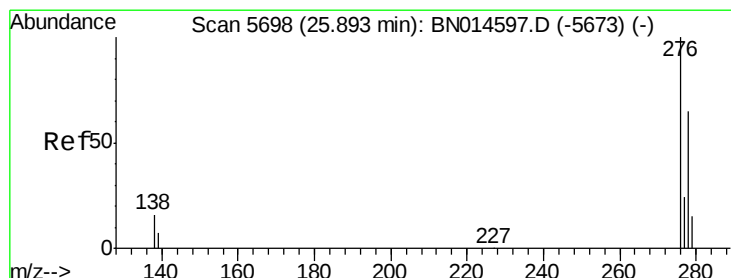
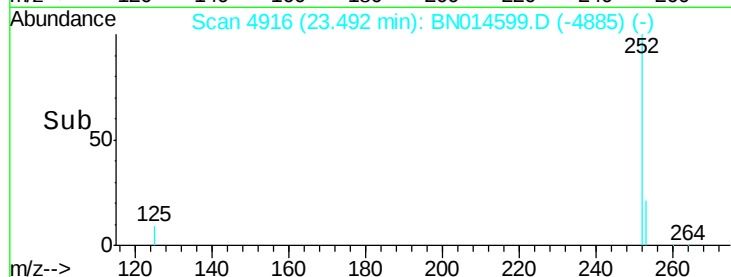
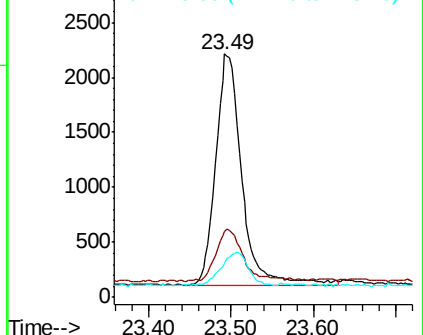
125 13.9 11.4 17.2



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.396 ng/ul

RT: 25.89 min Scan# 5696

Delta R.T. -0.00 min

Lab File: BN014599.D

Acq: 13 May 2021 21:09

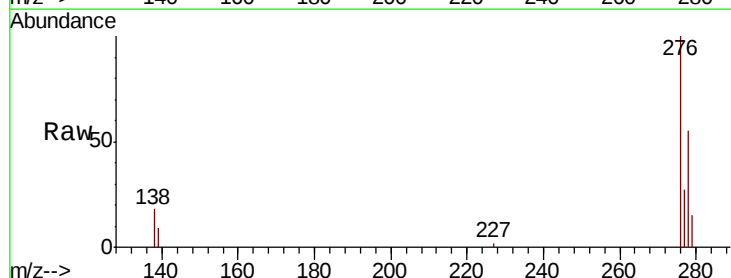
Tgt Ion:276 Resp: 6808

Ion Ratio Lower Upper

276 100

138 16.6 14.1 21.1

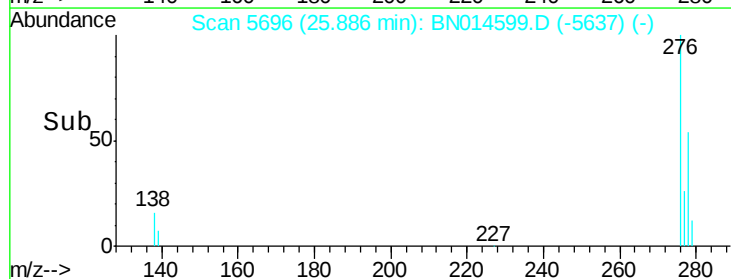
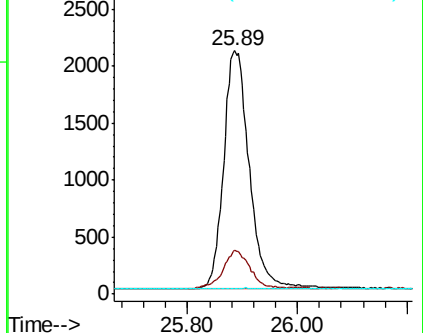
227 0.0 0.0 0.0#

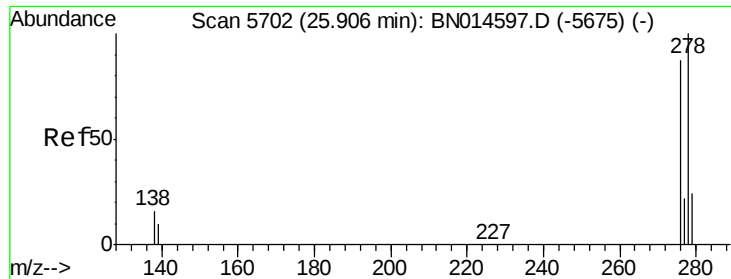


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



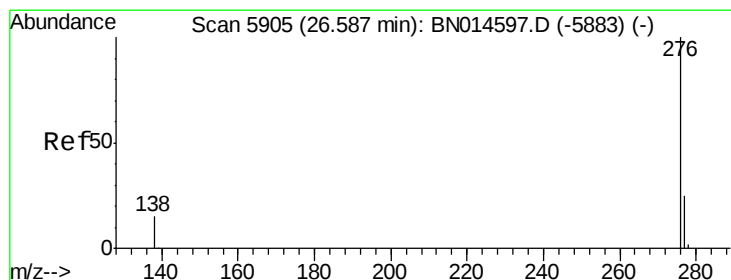
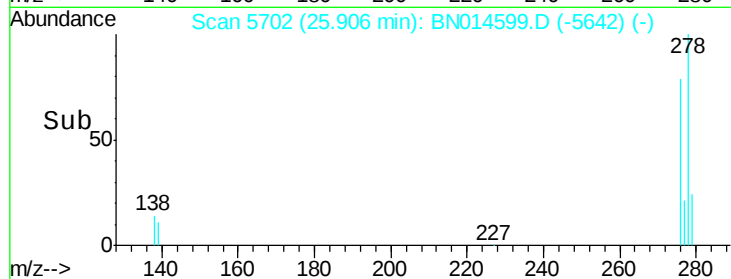
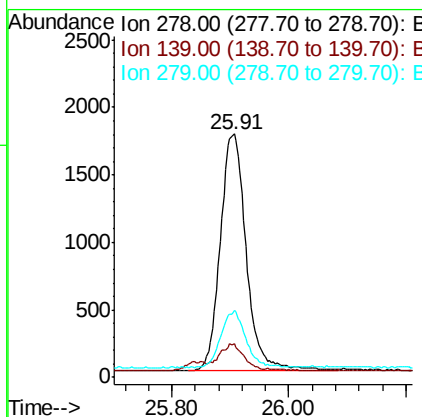
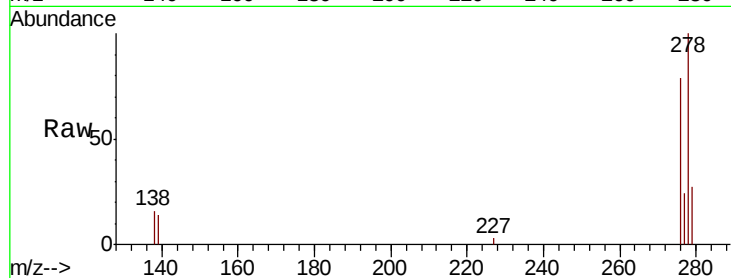


#28
Dibenzo(a,h)anthracene
Concen: 0.383 ng/ul
RT: 25.91 min Scan# 5702
Delta R.T. 0.00 min
Lab File: BN014599.D
Acq: 13 May 2021 21:09

Instrument :
BNA_N
ClientSampleId :
SLCS094

Tot Ion:278 Resp: 5414

Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.4	15.6
279	27.3	21.8	32.6



#29
Benzo(g,h,i)perylene
Concen: 0.372 ng/ul
RT: 26.59 min Scan# 5905
Delta R.T. 0.00 min
Lab File: BN014599.D
Acq: 13 May 2021 21:09

Tgt Ion:276 Resp: 5322

Ion	Ratio	Lower	Upper
276	100		
138	15.9	12.6	18.8
277	27.1	20.9	31.3

