

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051321\
 Data File : BN014607.D
 Acq On : 14 May 2021 01:52
 Operator : CG/JU
 Sample : M2197-13MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 YARH8MS

Quant Time: May 14 03:01:27 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 : Fri May 14 01:39:05 2021
 Response via : Initial Calibration

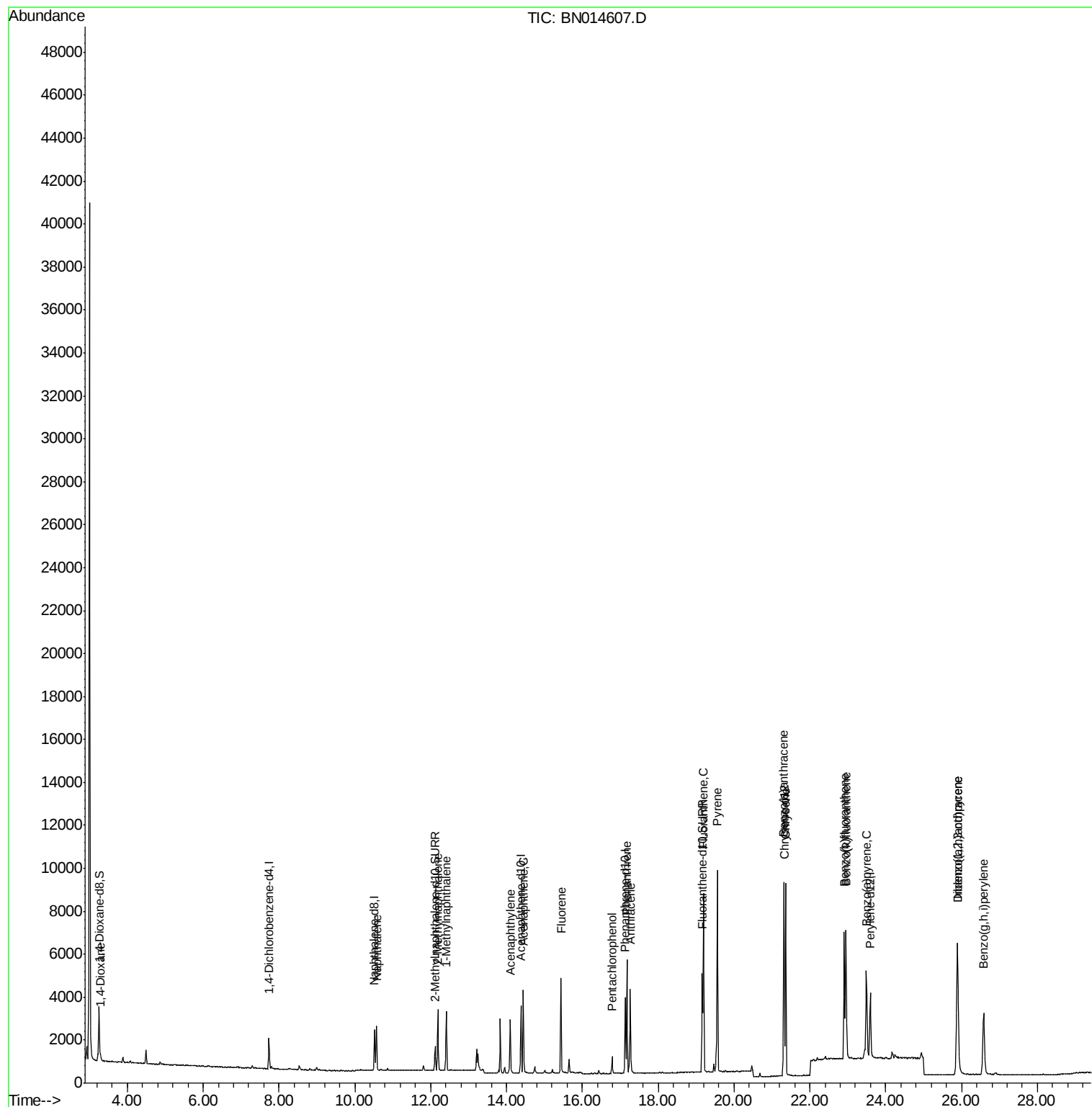
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	678	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	2646	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1725	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	4113	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	4554	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	3972	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	1566	2.23	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1458	0.32	ng/ul	0.00
18) Fluoranthene-d10	19.16	212	5169	0.42	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.29	88	241	0.312	ng/ul#	54
5) Naphthalene	10.57	128	2891	0.380	ng/ul	98
7) 2-Methylnaphthalene	12.19	142	1983	0.363	ng/ul	100
8) 1-Methylnaphthalene	12.41	142	1870	0.356	ng/ul	98
10) Acenaphthylene	14.10	152	2628	0.399	ng/ul	98
11) Acenaphthene	14.44	153	2186	0.370	ng/ul	97
12) Fluorene	15.43	166	2638	0.369	ng/ul	99
14) Pentachlorophenol	16.78	266	551	0.683	ng/ul	97
15) Phenanthrene	17.17	178	5246	0.423	ng/ul	97
16) Anthracene	17.27	178	4331	0.421	ng/ul	99
19) Fluoranthene	19.19	202	7296	0.490	ng/ul	98
20) Pyrene	19.56	202	7757	0.526	ng/ul	99
21) Benzo(a)anthracene	21.31	228	6865	0.498	ng/ul	100
22) Chrysene	21.36	228	7633	0.466	ng/ul	99
24) Benzo(b)fluoranthene	22.91	252	7607	0.457	ng/ul	98
25) Benzo(k)fluoranthene	22.95	252	8173	0.471	ng/ul	99
26) Benzo(a)pyrene	23.49	252	6366	0.486	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.89	276	8527	0.445	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.90	278	6816	0.432	ng/ul	98
29) Benzo(g,h,i)perylene	26.59	276	6964	0.437	ng/ul	99

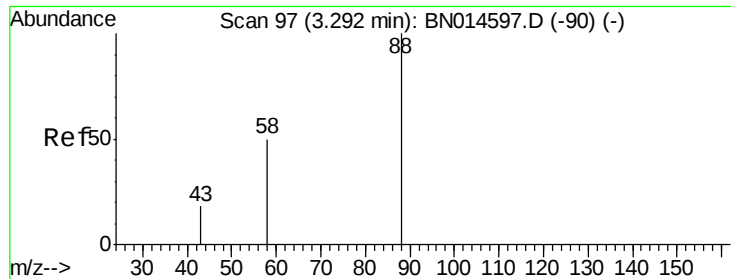
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.312 ng/ul

RT: 3.29 min Scan# 97

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

Instrument :

BNA_N

ClientSampleId :

YARH8MS

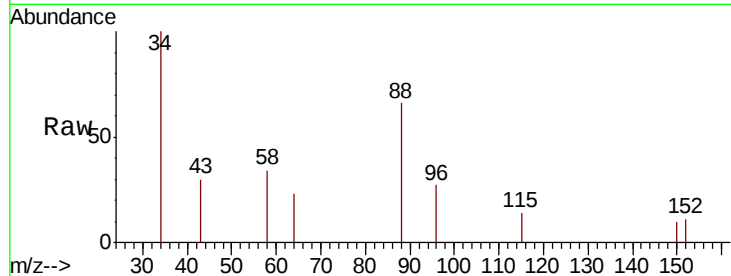
Tot Ion: 88 Resp: 241

Ion Ratio Lower Upper

88 100

43 45.0 15.7 23.5#

58 51.5 23.8 35.6#



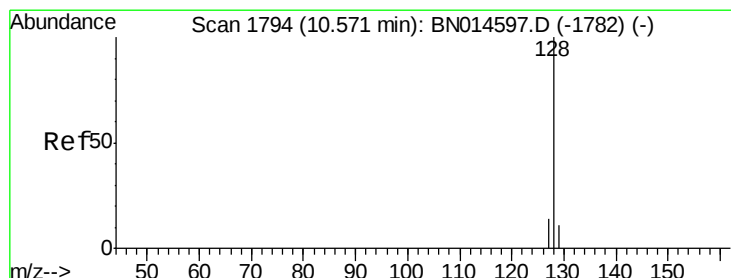
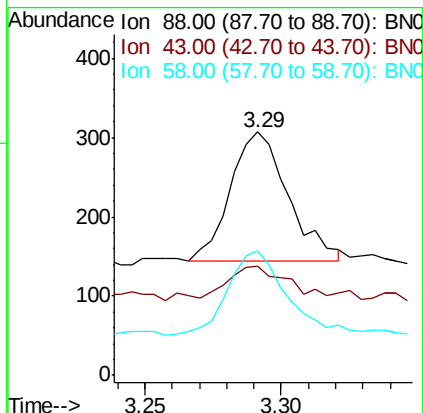
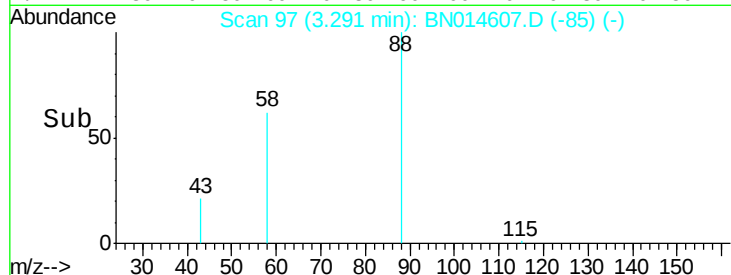
Abundance Ion 88.00 (87.70 to 88.70): BN014597.D (-90) (-)

Ion 43.00 (42.70 to 43.70): BN014597.D (-90) (-)

Ion 58.00 (57.70 to 58.70): BN014597.D (-90) (-)

3.29

3.25 3.30



#5

Naphthalene

Concen: 0.380 ng/ul

RT: 10.57 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

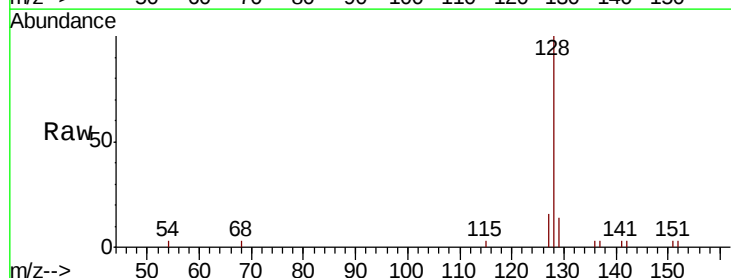
Tgt Ion: 128 Resp: 2891

Ion Ratio Lower Upper

128 100

129 14.1 11.6 17.4

127 15.7 13.3 19.9



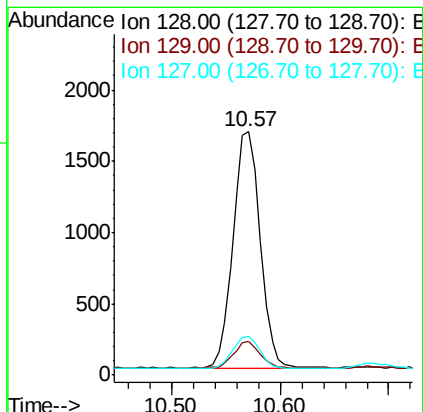
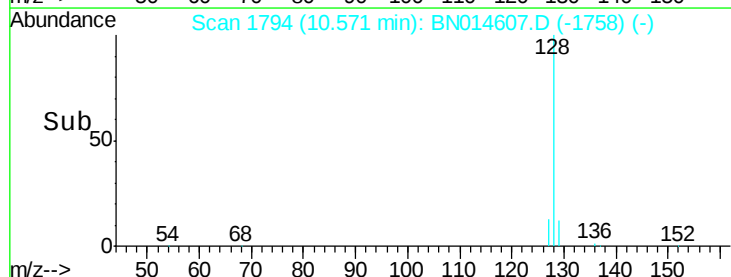
Abundance Ion 128.00 (127.70 to 128.70): BN014597.D (-1782) (-)

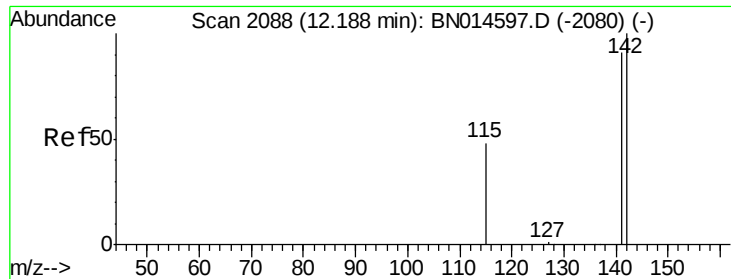
Ion 129.00 (128.70 to 129.70): BN014597.D (-1782) (-)

Ion 127.00 (126.70 to 127.70): BN014597.D (-1782) (-)

10.57

10.50 10.60





#7

2-Methylnaphthalene

Concen: 0.363 ng/ul

RT: 12.19 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

Instrument :

BNA_N

ClientSampleId :

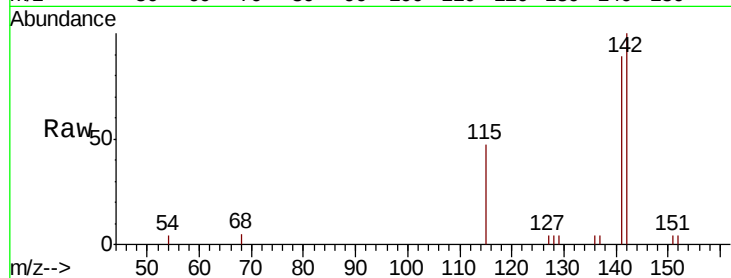
YARH8MS

Tot Ion:142 Resp: 1983

Ion Ratio Lower Upper

142 100

141 88.2 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

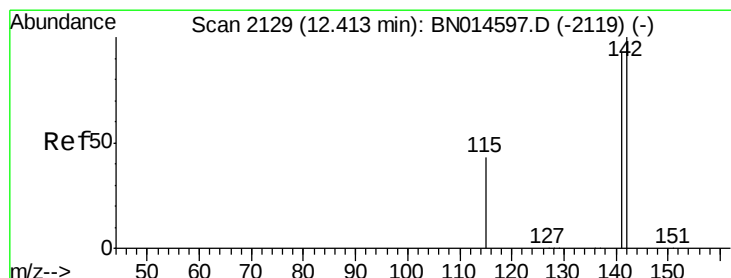
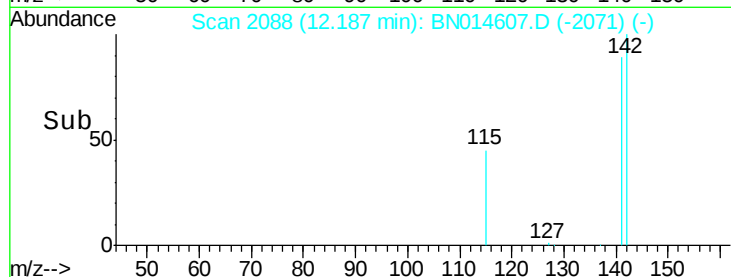
12.19

1000

500

0

Time--> 12.10 12.15 12.20 12.25



#8

1-Methylnaphthalene

Concen: 0.356 ng/ul

RT: 12.41 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BN014607.D

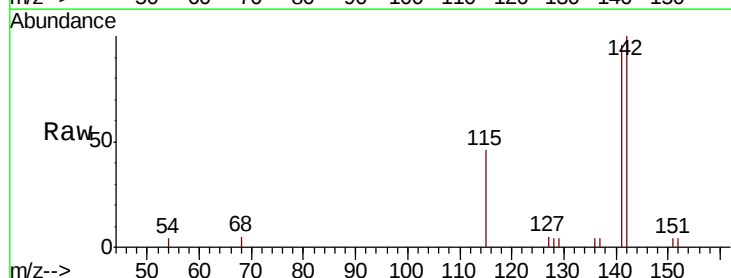
Acq: 14 May 2021 01:52

Tgt Ion:142 Resp: 1870

Ion Ratio Lower Upper

142 100

141 93.4 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

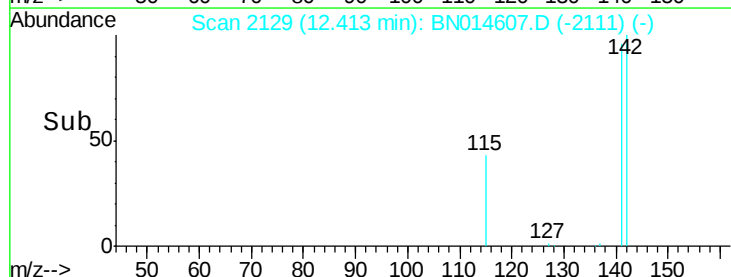
12.41

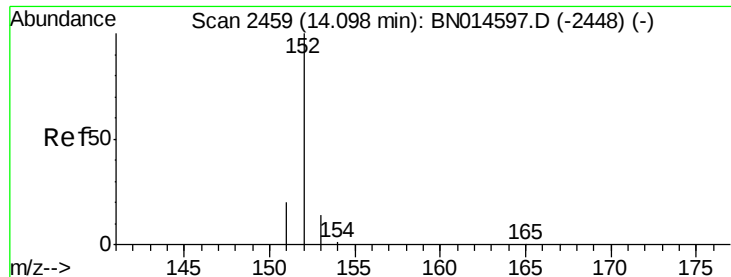
1000

500

0

Time--> 12.40 12.50





#10

Acenaphthylene

Concen: 0.399 ng/ul

RT: 14.10 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

Instrument :

BNA_N

ClientSampleId :

YARH8MS

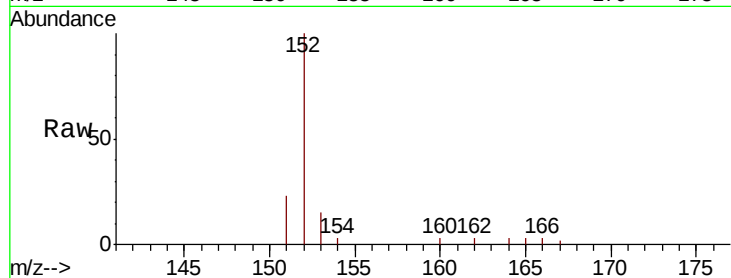
Tot Ion:152 Resp: 2628

Ion Ratio Lower Upper

152 100

151 23.5 18.2 27.2

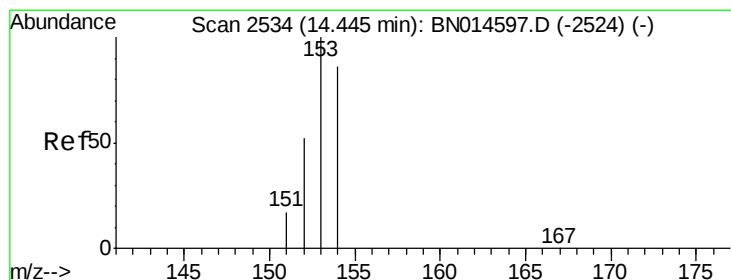
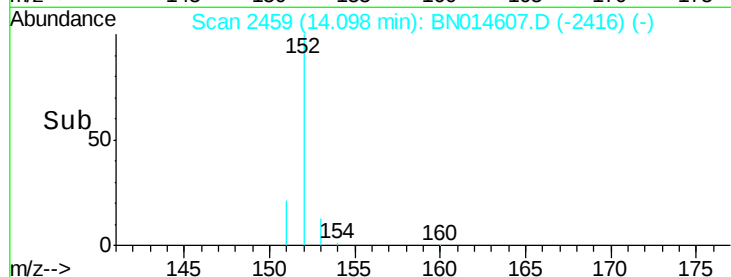
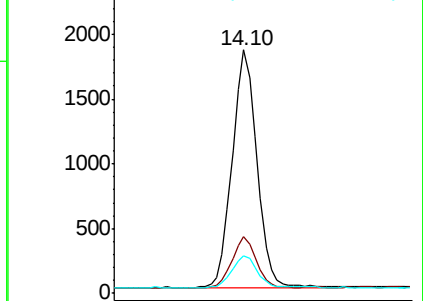
153 15.3 12.8 19.2



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: 0.370 ng/ul

RT: 14.44 min Scan# 2534

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

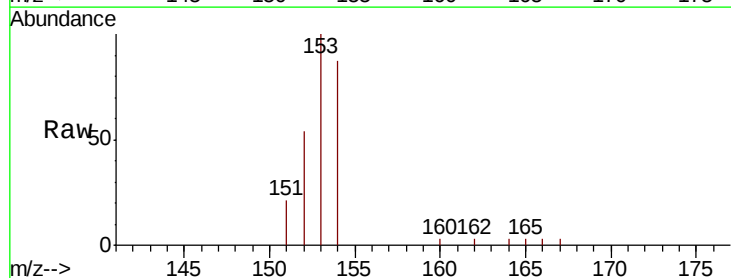
Tgt Ion:153 Resp: 2186

Ion Ratio Lower Upper

153 100

152 54.3 40.9 61.3

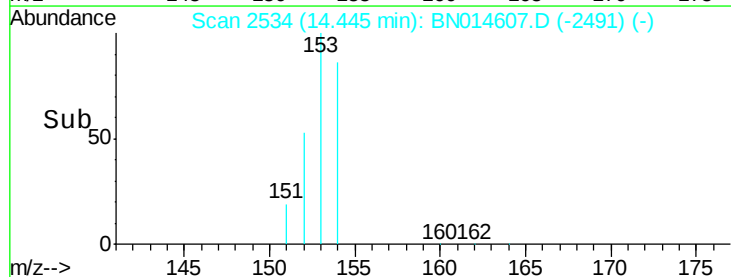
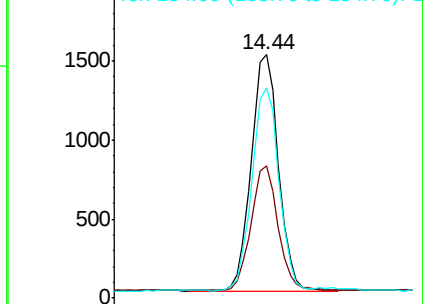
154 86.5 70.7 106.1

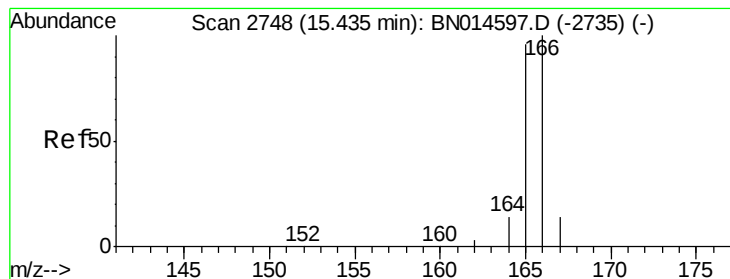


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.369 ng/ul

RT: 15.43 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

Instrument :

BNA_N

ClientSampleId :

YARH8MS

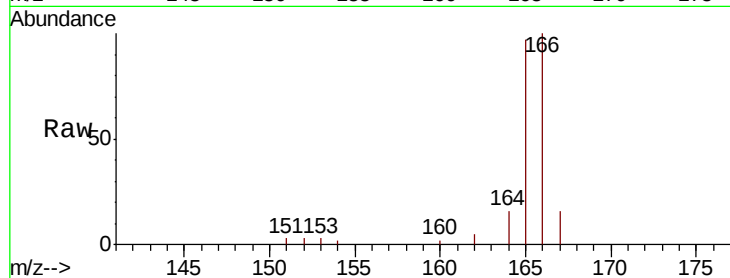
Tot Ion:166 Resp: 2638

Ion Ratio Lower Upper

166 100

165 96.9 78.6 118.0

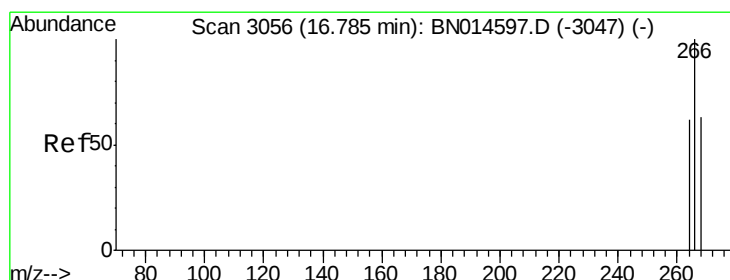
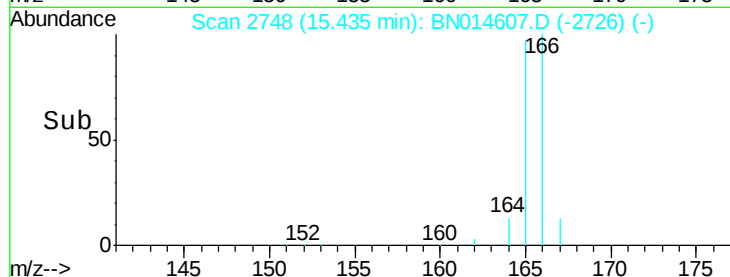
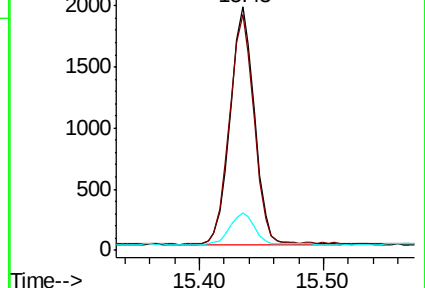
167 15.6 13.2 19.8



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: 0.683 ng/ul

RT: 16.78 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

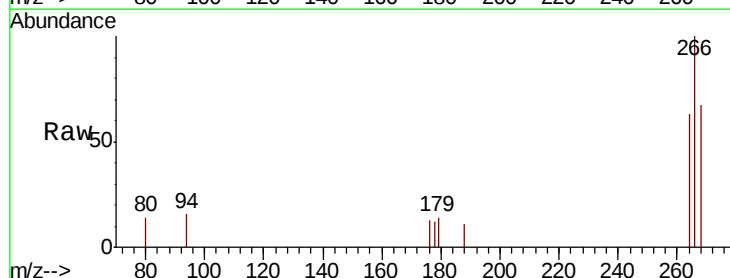
Tgt Ion:266 Resp: 551

Ion Ratio Lower Upper

266 100

264 61.9 49.4 74.2

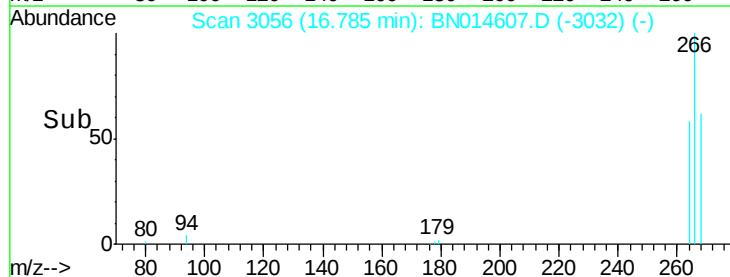
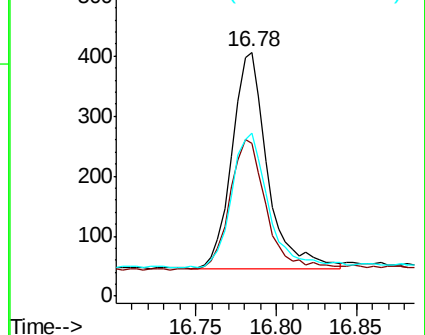
268 65.5 49.1 73.7

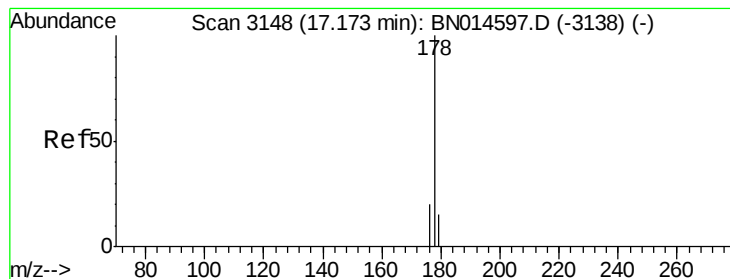


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.423 ng/ul

RT: 17.17 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BN014607.D

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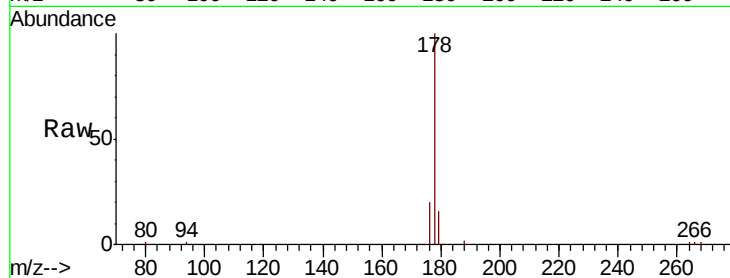
Tot Ion:178 Resp: 5246

Ion Ratio Lower Upper

178 100

179 16.1 14.1 21.1

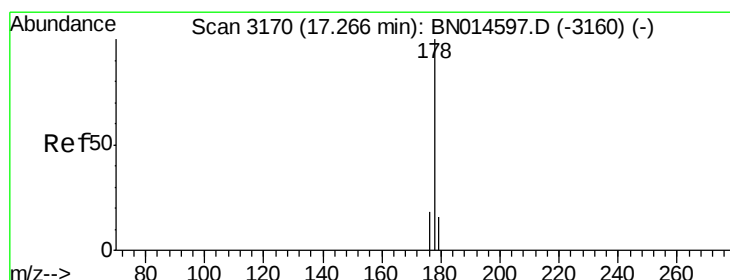
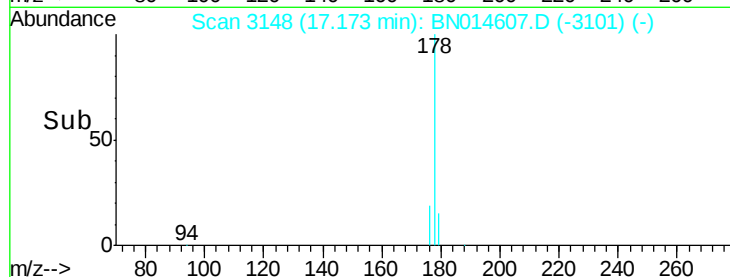
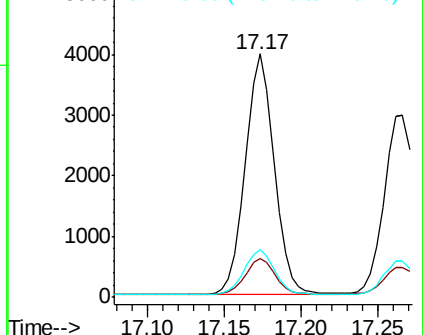
176 19.6 16.9 25.3



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: 0.421 ng/ul

RT: 17.27 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

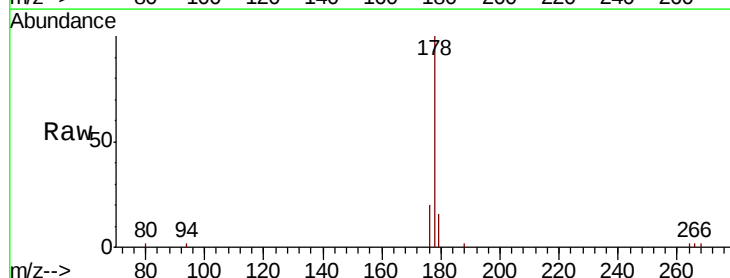
Tgt Ion:178 Resp: 4331

Ion Ratio Lower Upper

178 100

179 16.4 14.1 21.1

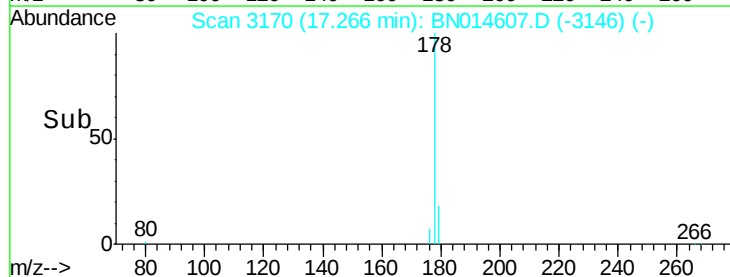
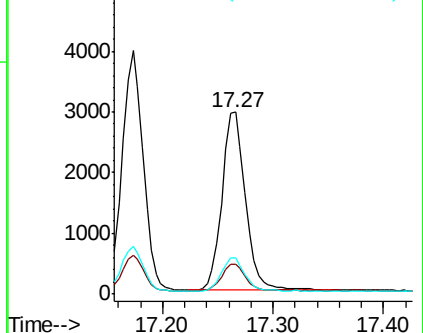
176 19.8 15.8 23.6

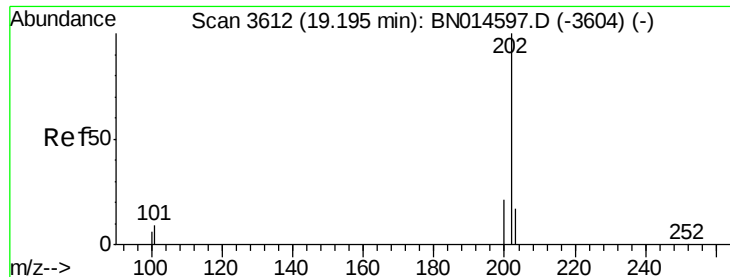


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.490 ng/ul

RT: 19.19 min Scan# 3612

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

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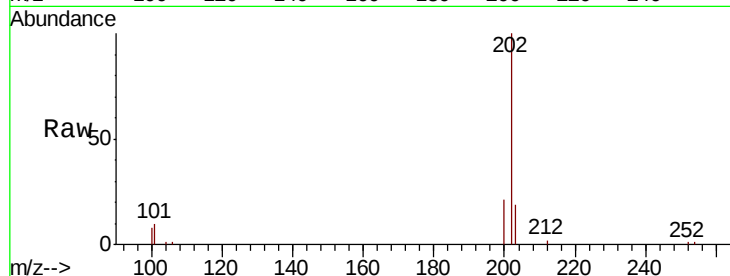
Tot Ion:202 Resp: 7296

Ion Ratio Lower Upper

202 100

101 9.8 8.3 12.5

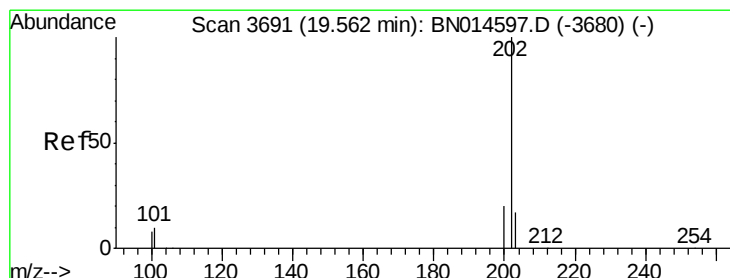
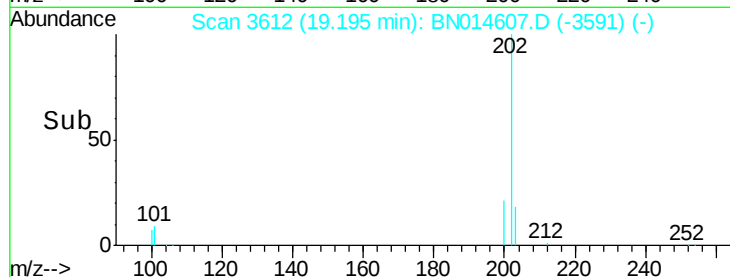
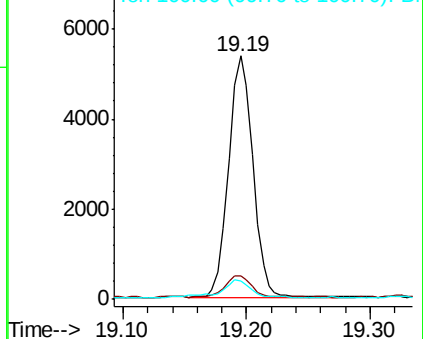
100 7.6 6.7 10.1



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: 0.526 ng/ul

RT: 19.56 min Scan# 3690

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

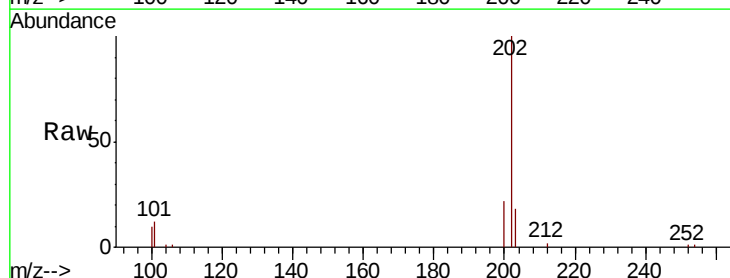
Tgt Ion:202 Resp: 7757

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

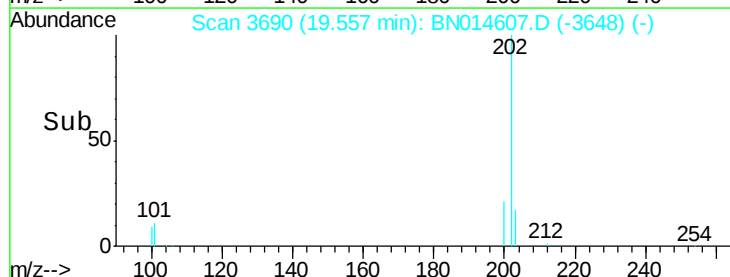
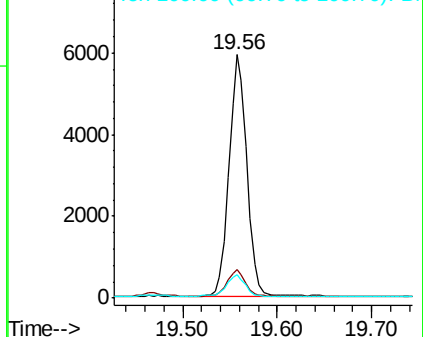
100 9.5 8.2 12.4

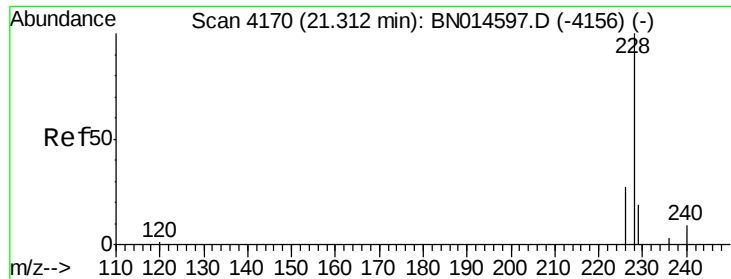


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

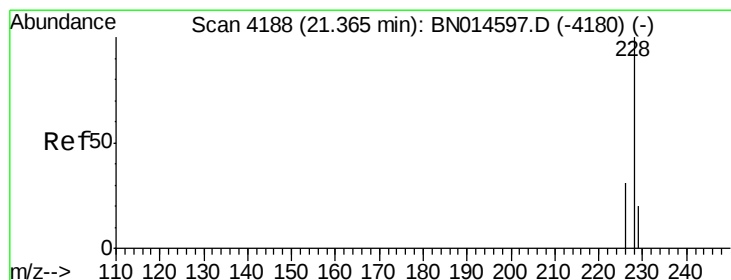
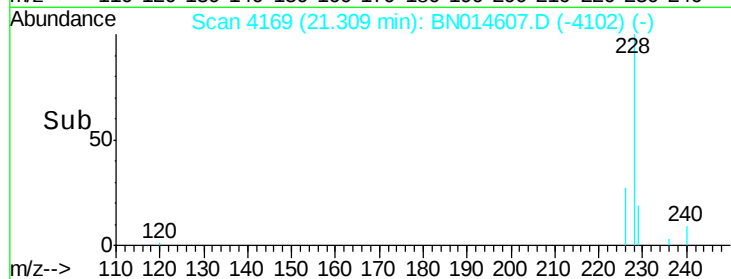
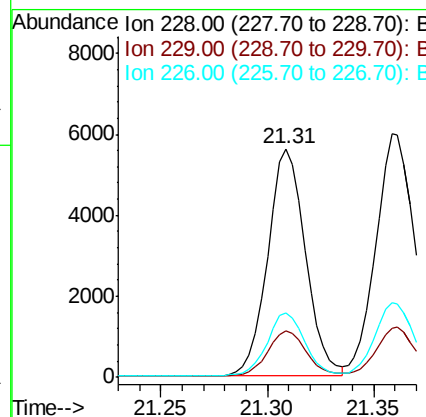
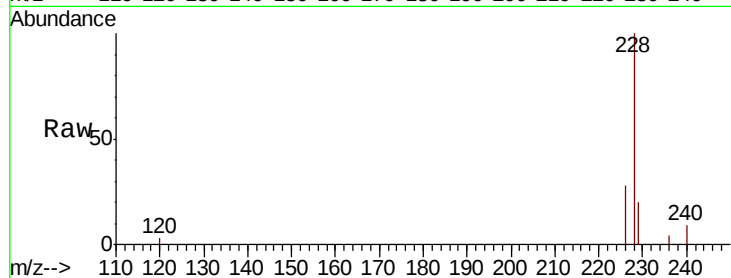




#21
Benzo(a)anthracene
Concen: 0.498 ng/ul
RT: 21.31 min Scan# 4169
Delta R.T. -0.00 min
Lab File: BN014607.D
Acq: 14 May 2021 01:52

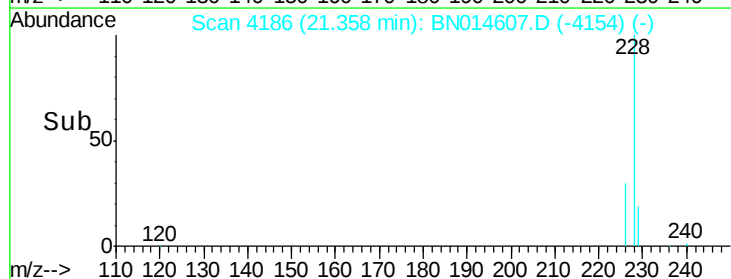
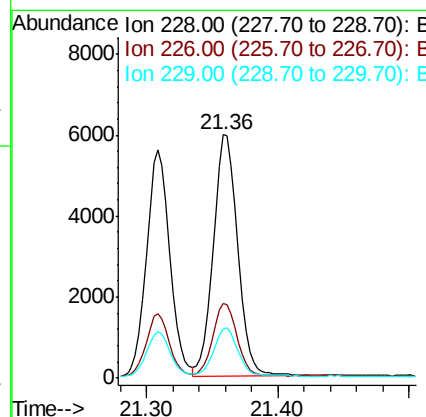
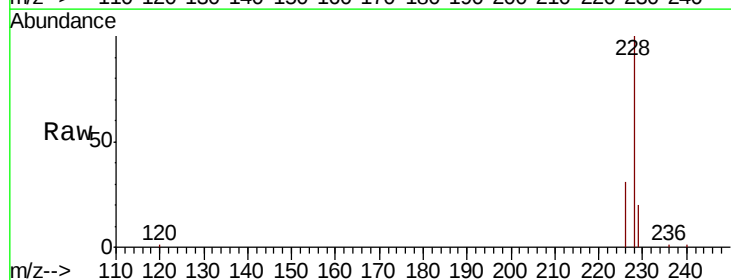
Instrument :
BNA_N
ClientSampleId :
YARH8MS

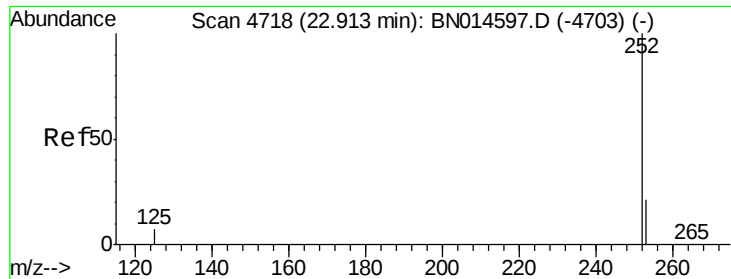
Tot Ion:228 Resp: 6865
Ion Ratio Lower Upper
228 100
229 20.1 16.0 24.0
226 28.0 22.2 33.2



#22
Chrysene
Concen: 0.466 ng/ul
RT: 21.36 min Scan# 4186
Delta R.T. -0.01 min
Lab File: BN014607.D
Acq: 14 May 2021 01:52

Tgt Ion:228 Resp: 7633
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 20.0 16.3 24.5





#24

Benzo(b)fluoranthene

Concen: 0.457 ng/ul

RT: 22.91 min Scan# 4716

Delta R.T. -0.01 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

Instrument :

BNA_N

ClientSampleId :

YARH8MS

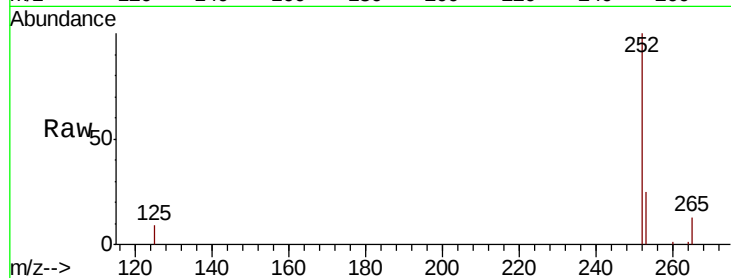
Tot Ion:252 Resp: 7607

Ion Ratio Lower Upper

252 100

253 24.7 0.0 51.0

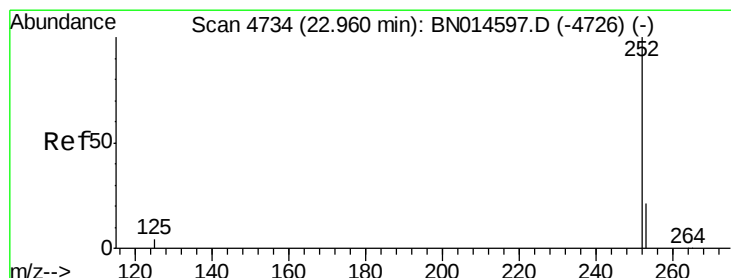
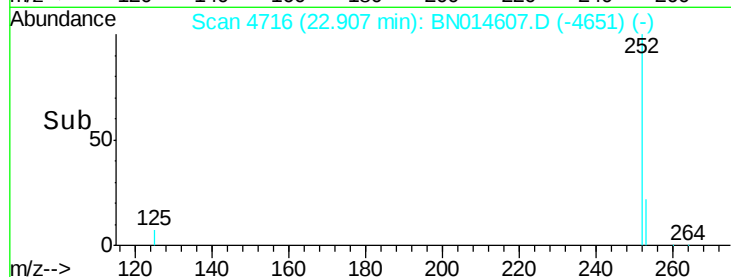
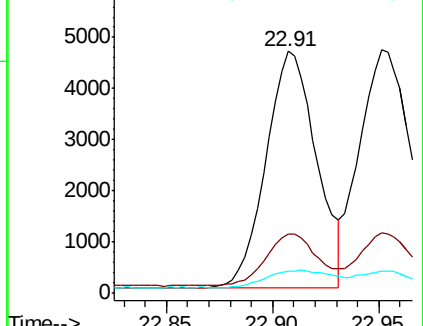
125 9.1 0.0 20.2



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: 0.471 ng/ul

RT: 22.95 min Scan# 4731

Delta R.T. -0.01 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

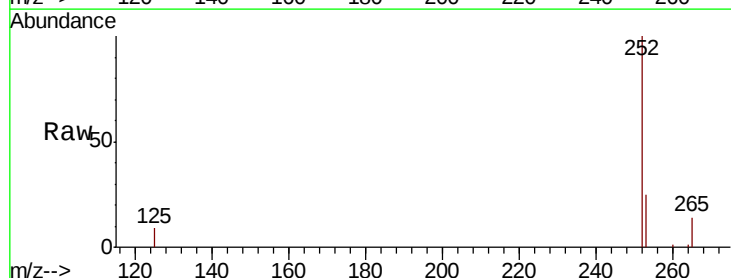
Tgt Ion:252 Resp: 8173

Ion Ratio Lower Upper

252 100

253 25.0 20.2 30.2

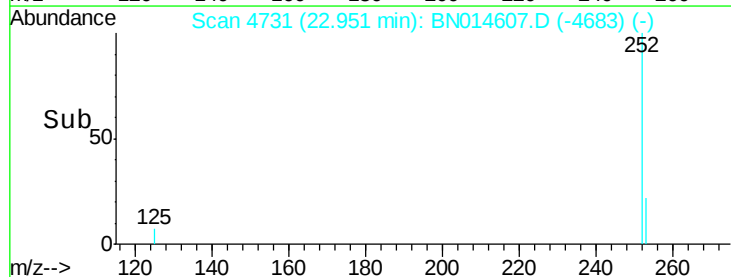
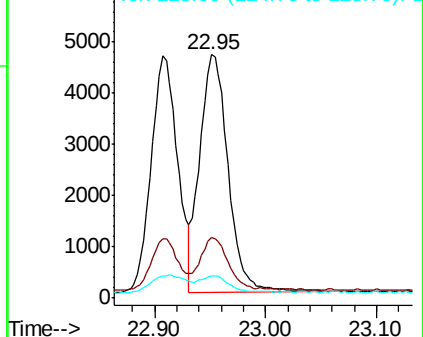
125 9.1 8.4 12.6

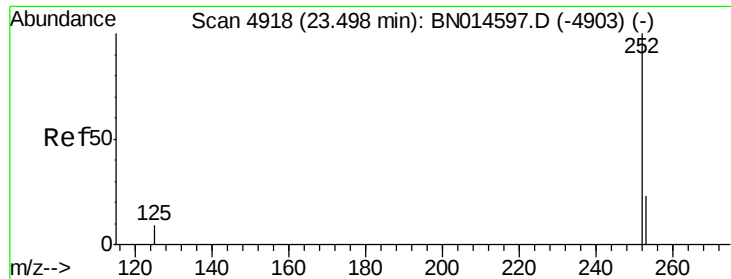


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.486 ng/ul

RT: 23.49 min Scan# 4916

Delta R.T. -0.01 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

Instrument :

BNA_N

ClientSampleId :

YARH8MS

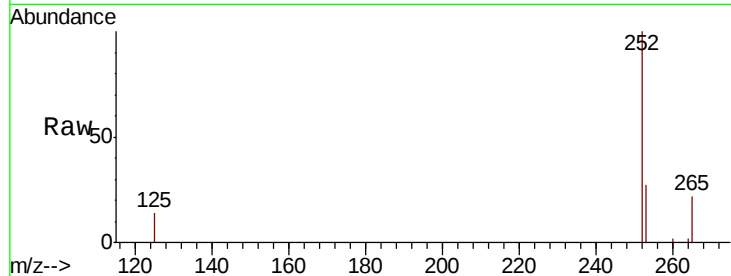
Tot Ion:252 Resp: 6366

Ion Ratio Lower Upper

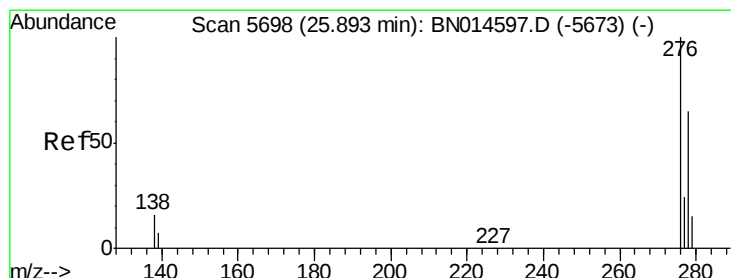
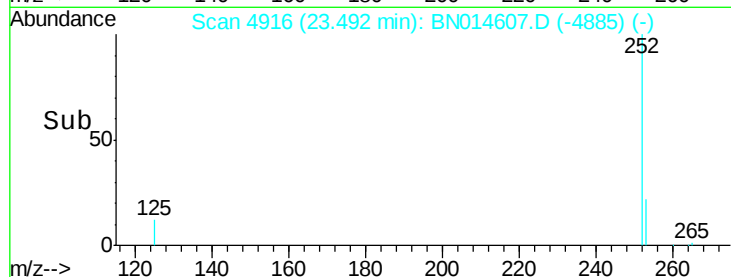
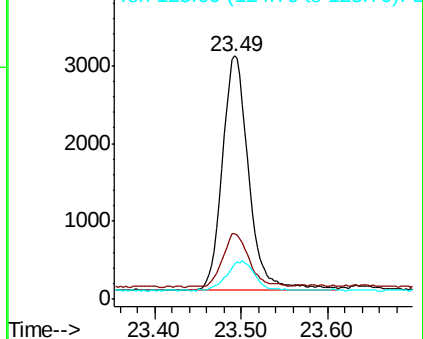
252 100

253 26.9 23.0 34.4

125 14.3 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: 0.445 ng/ul

RT: 25.89 min Scan# 5696

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

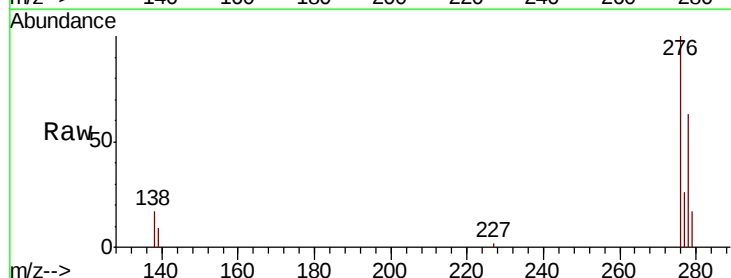
Tgt Ion:276 Resp: 8527

Ion Ratio Lower Upper

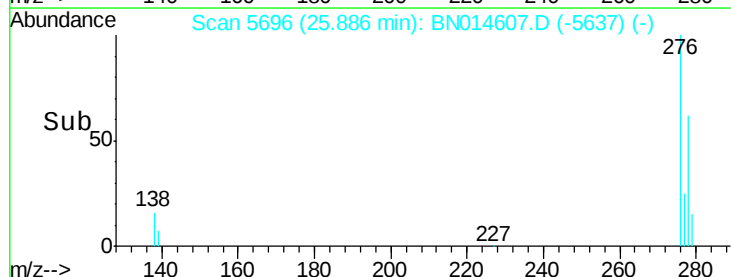
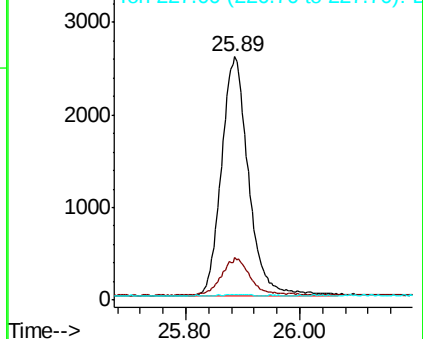
276 100

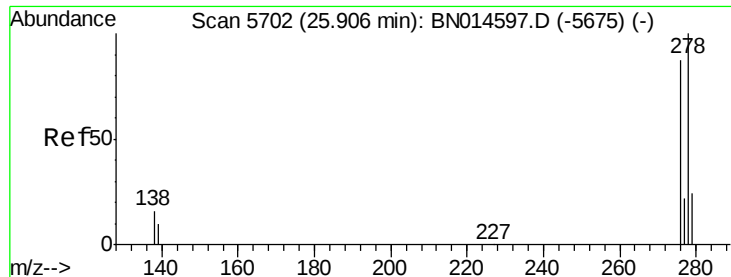
138 16.3 14.1 21.1

227 0.1 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: 0.432 ng/ul

RT: 25.90 min Scan# 5701

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

Instrument :

BNA_N

ClientSampleId :

YARH8MS

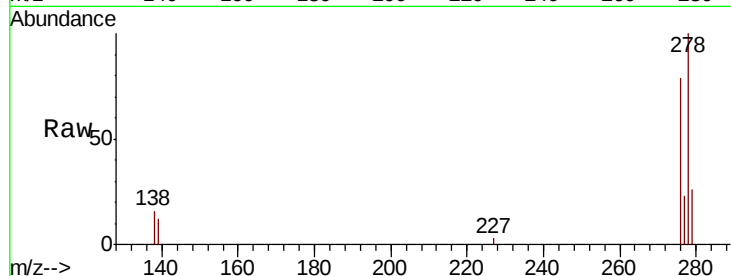
Tot Ion:278 Resp: 6816

Ion Ratio Lower Upper

278 100

139 12.4 10.4 15.6

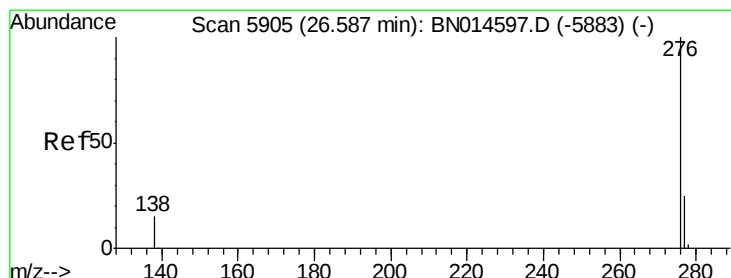
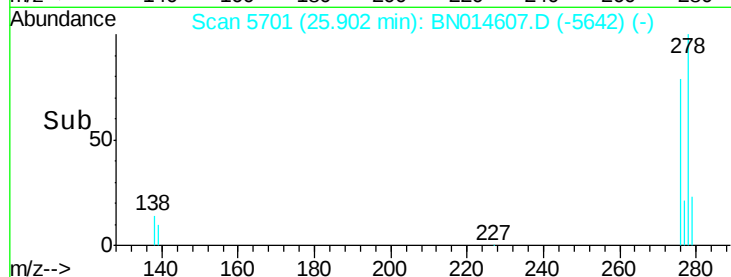
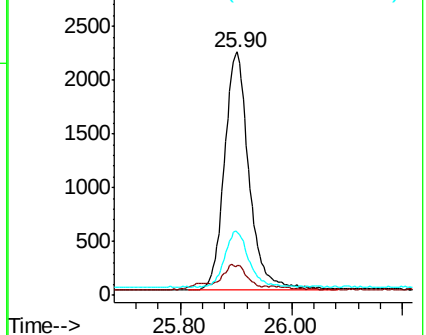
279 26.2 21.8 32.6



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: 0.437 ng/ul

RT: 26.59 min Scan# 5905

Delta R.T. -0.00 min

Lab File: BN014607.D

Acq: 14 May 2021 01:52

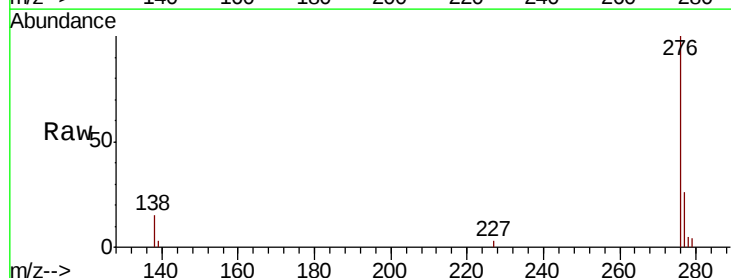
Tgt Ion:276 Resp: 6964

Ion Ratio Lower Upper

276 100

138 14.9 12.6 18.8

277 25.6 20.9 31.3



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

