

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051221\
 Data File : BN014575.D
 Acq On : 12 May 2021 12:19
 Operator : CG/JU
 Sample : SST00.403
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST00.4003

Quant Time: May 12 12:53:10 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 : Wed May 12 12:52:43 2021
 Response via : Initial Calibration

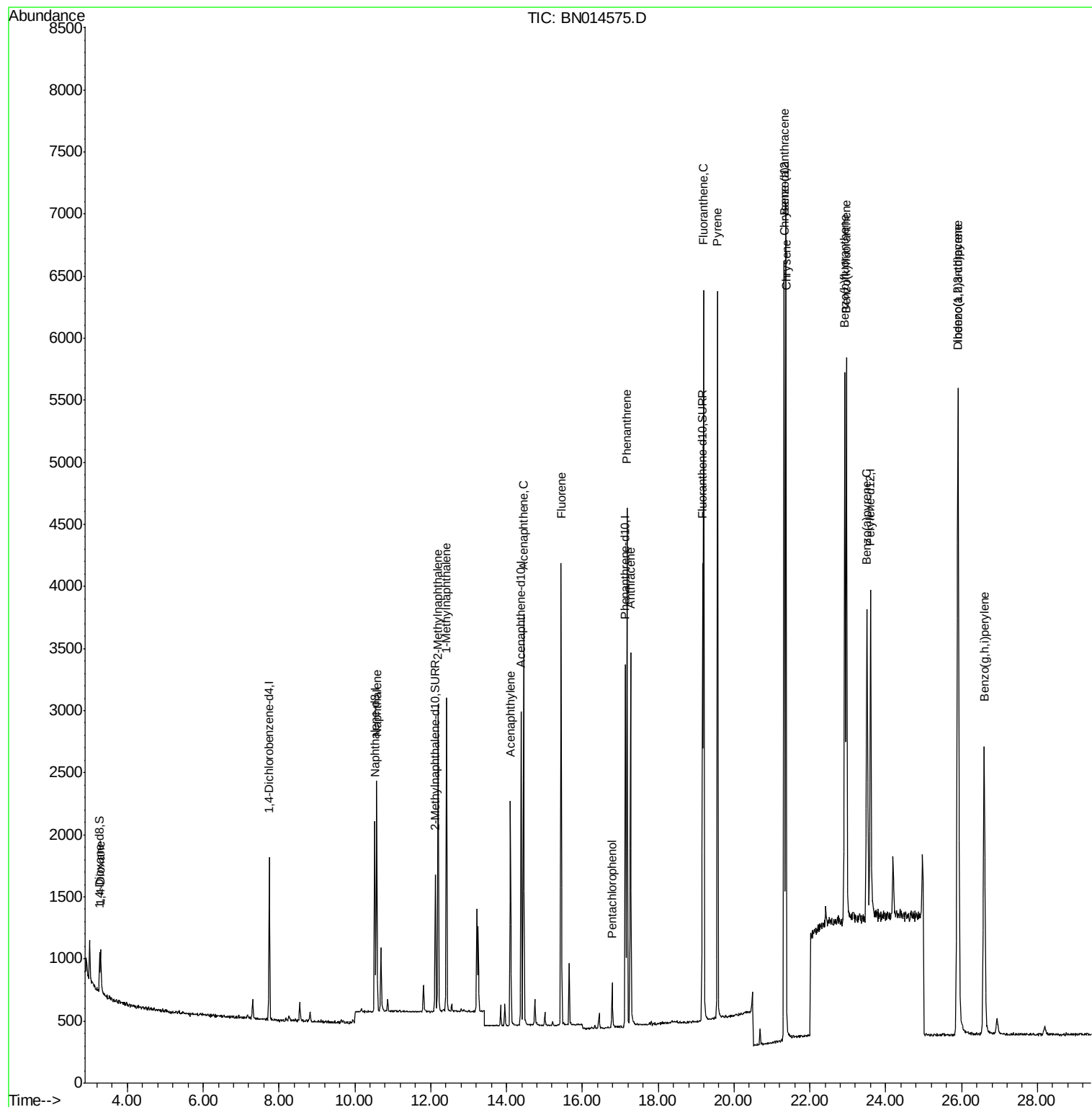
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	625	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	2087	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1375	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.14	188	3440	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3928	0.40	ng/ul	0.00
23) Perylene-d12	23.60	264	3547	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	276	0.40	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1451	0.45	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	4189	0.35	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.30	88	270	0.389	ng/ul	100
5) Naphthalene	10.58	128	2404	0.389	ng/ul	100
7) 2-Methylnaphthalene	12.20	142	1739	0.442	ng/ul	100
8) 1-Methylnaphthalene	12.42	142	1653	0.437	ng/ul	100
10) Acenaphthylene	14.10	152	2079	0.323	ng/ul	100
11) Acenaphthene	14.45	153	1882	0.375	ng/ul	100
12) Fluorene	15.44	166	2274	0.406	ng/ul	100
14) Pentachlorophenol	16.78	266	249	0.224	ng/ul	100
15) Phenanthrene	17.18	178	4101	0.369	ng/ul	100
16) Anthracene	17.27	178	3371	0.347	ng/ul	100
19) Fluoranthene	19.20	202	5054	0.321	ng/ul	100
20) Pyrene	19.56	202	5029	0.314	ng/ul	100
21) Benzo(a)anthracene	21.31	228	4664	0.321	ng/ul	100
22) Chrysene	21.37	228	5634	0.374	ng/ul	100
24) Benzo(b)fluoranthene	22.92	252	5587	0.350	ng/ul	100
25) Benzo(k)fluoranthene	22.96	252	6190	0.381	ng/ul	100
26) Benzo(a)pyrene	23.50	252	4543	0.343	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.90	276	6908	0.379	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.91	278	5651	0.388	ng/ul	100
29) Benzo(g,h,i)perylene	26.60	276	5414	0.352	ng/ul	100

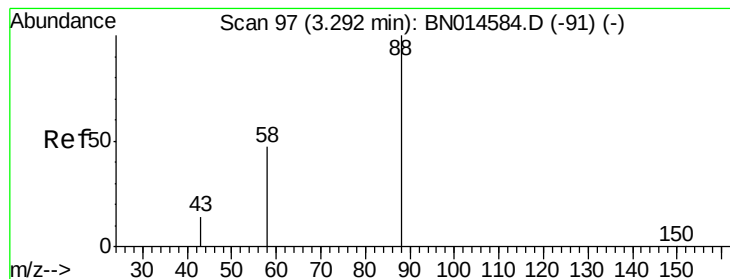
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.389 ng/ul

RT: 3.30 min Scan# 99

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.4003

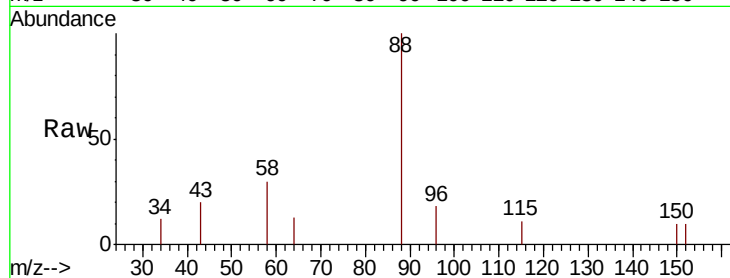
Tot Ion: 88 Resp: 270

Ion Ratio Lower Upper

88 100

43 19.6 15.7 23.5

58 29.7 23.8 35.6

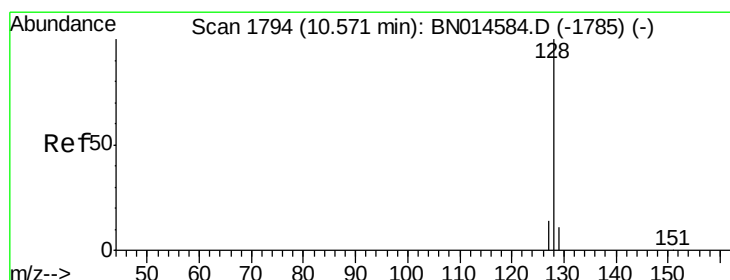
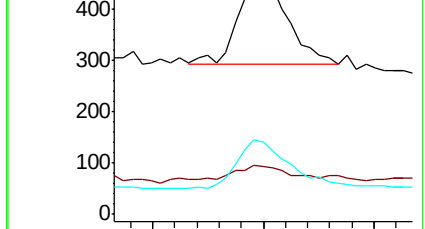
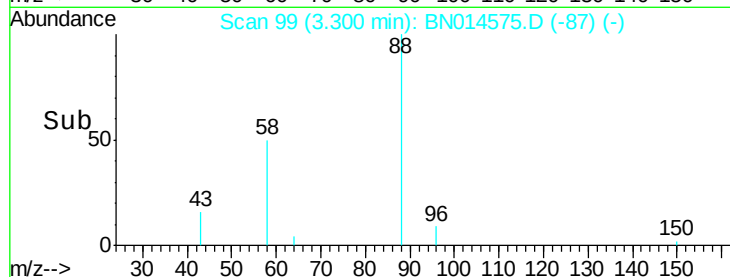


Abundance Ion 88.00 (87.70 to 88.70): BN014584.D (-91) (-)

Ion 43.00 (42.70 to 43.70): BN014584.D (-91) (-)

Ion 58.00 (57.70 to 58.70): BN014584.D (-91) (-)

Time-->



#5

Naphthalene

Concen: 0.389 ng/ul

RT: 10.58 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

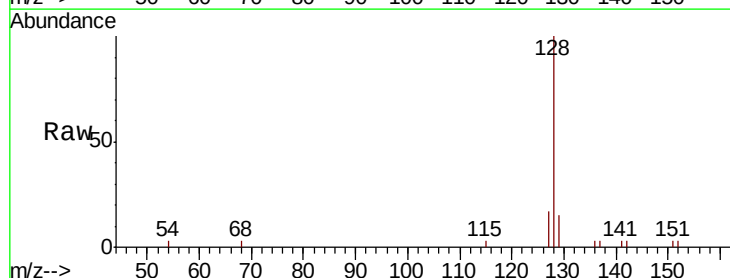
Tgt Ion: 128 Resp: 2404

Ion Ratio Lower Upper

128 100

129 14.5 11.6 17.4

127 16.6 13.3 19.9

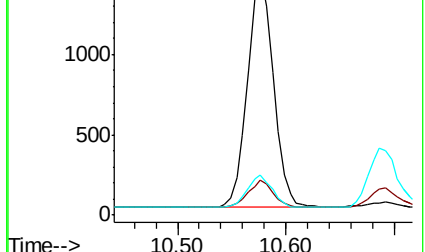
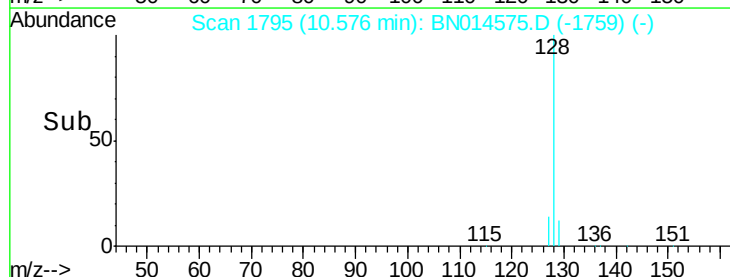


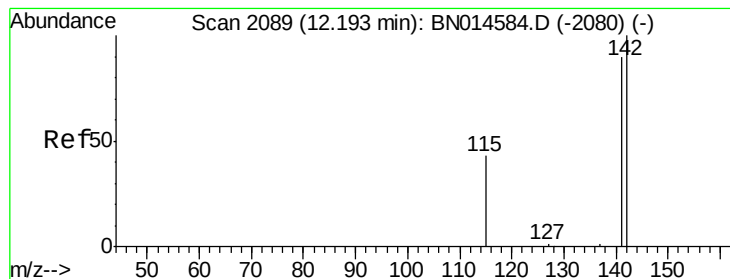
Abundance Ion 128.00 (127.70 to 128.70): BN014584.D (-1785) (-)

Ion 129.00 (128.70 to 129.70): BN014584.D (-1785) (-)

Ion 127.00 (126.70 to 127.70): BN014584.D (-1785) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.442 ng/ul

RT: 12.20 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

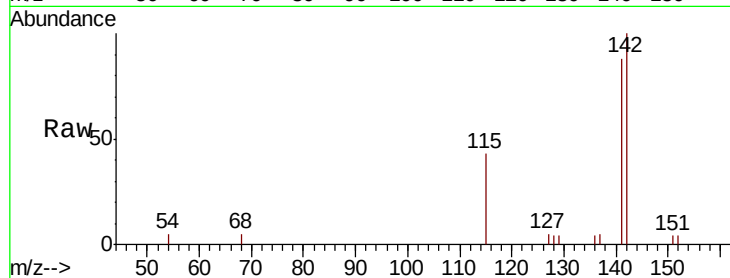
SSTD0.4003

Tot Ion:142 Resp: 1739

Ion Ratio Lower Upper

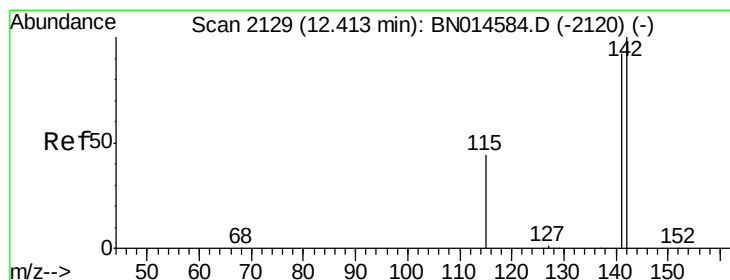
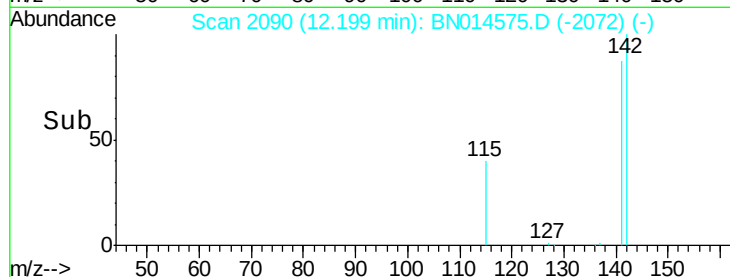
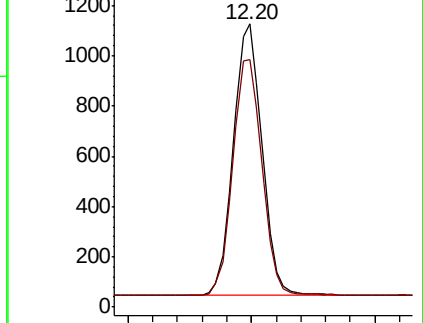
142 100

141 88.6 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: 0.437 ng/ul

RT: 12.42 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BN014575.D

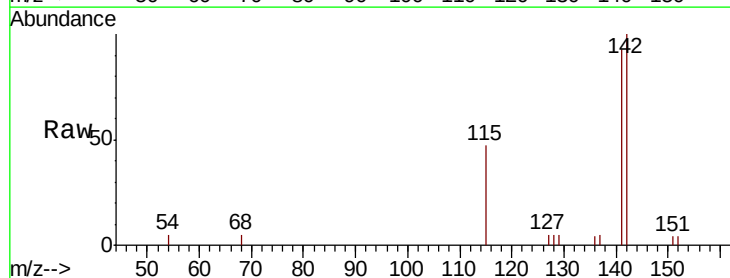
Acq: 12 May 2021 12:19

Tgt Ion:142 Resp: 1653

Ion Ratio Lower Upper

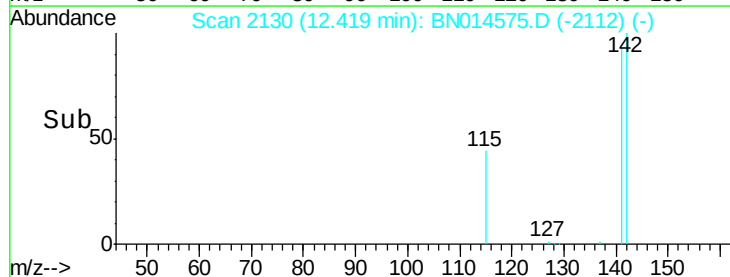
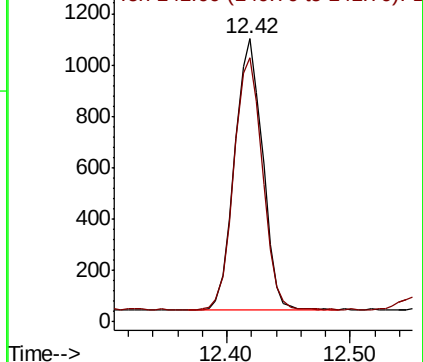
142 100

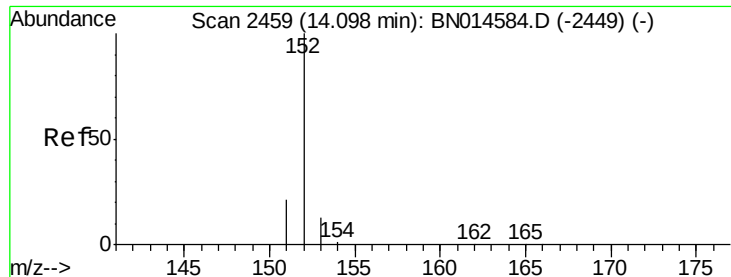
141 94.9 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.323 ng/ul

RT: 14.10 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.4003

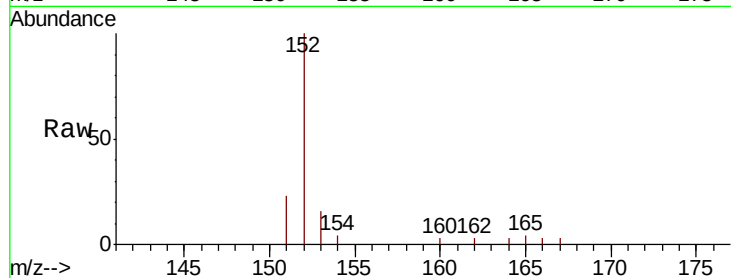
Tot Ion:152 Resp: 2079

Ion Ratio Lower Upper

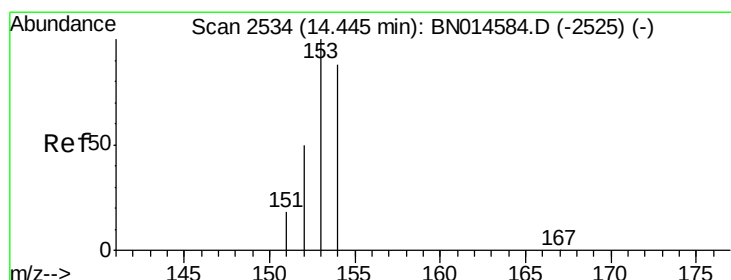
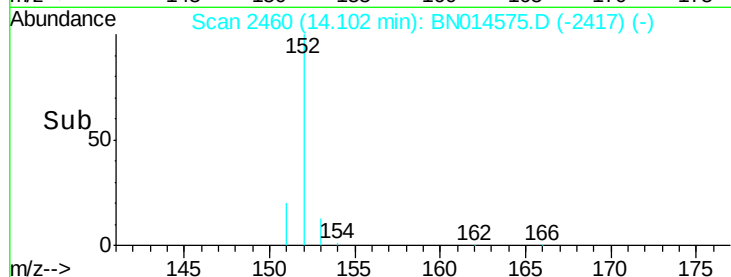
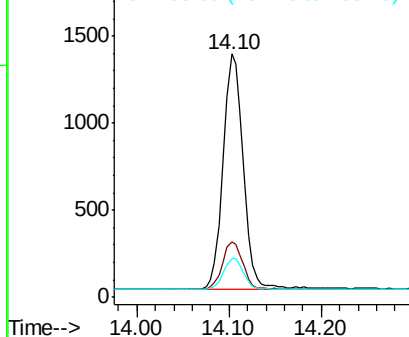
152 100

151 22.7 18.2 27.2

153 16.0 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: 0.375 ng/ul

RT: 14.45 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

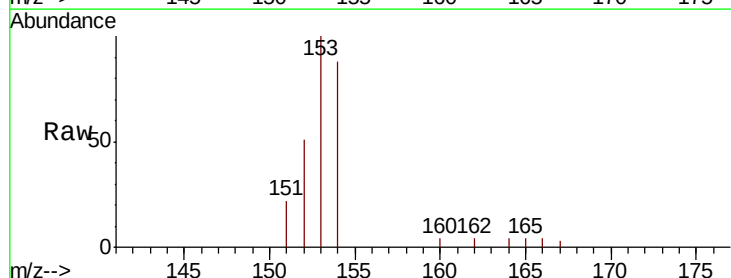
Tgt Ion:153 Resp: 1882

Ion Ratio Lower Upper

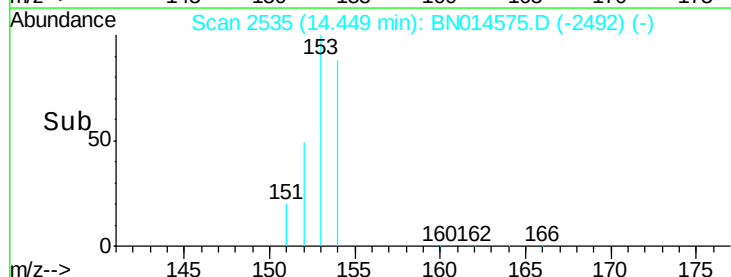
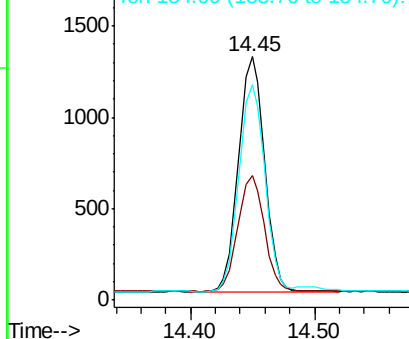
153 100

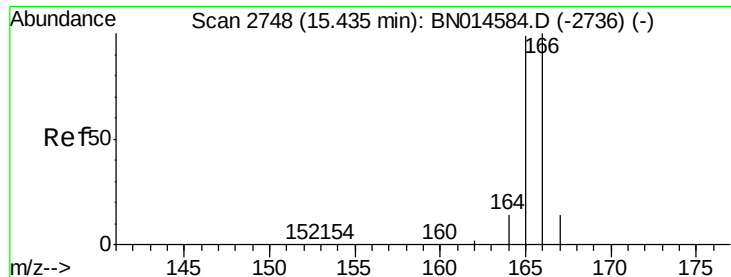
152 51.1 40.9 61.3

154 88.4 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: 0.406 ng/ul

RT: 15.44 min Scan# 2749

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.4003

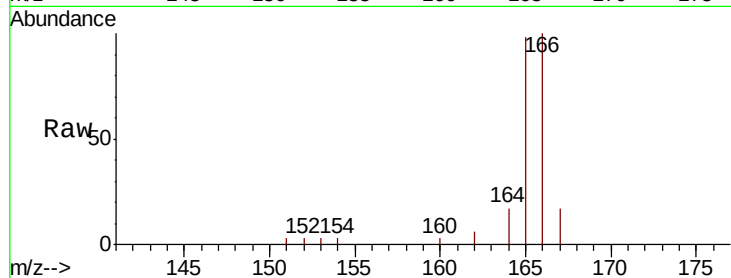
Tot Ion:166 Resp: 2274

Ion Ratio Lower Upper

166 100

165 98.3 78.6 118.0

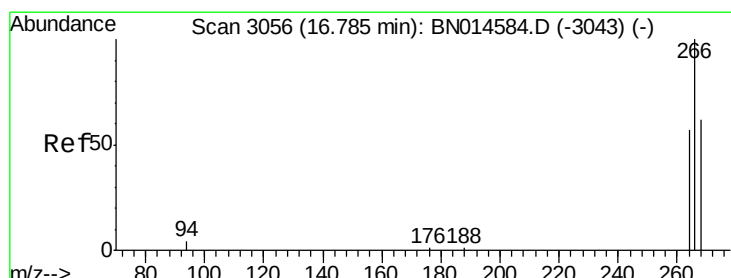
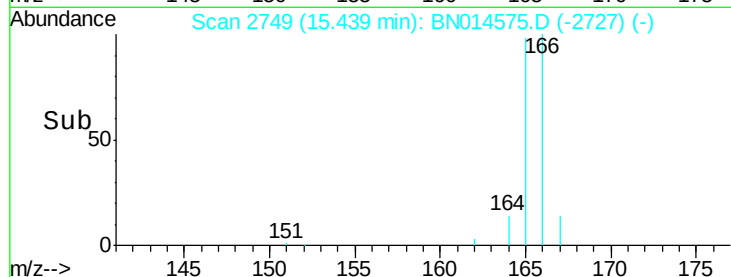
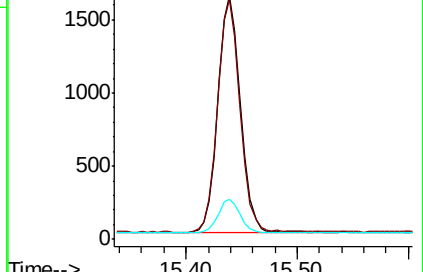
167 16.5 13.2 19.8



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: 0.224 ng/ul

RT: 16.78 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

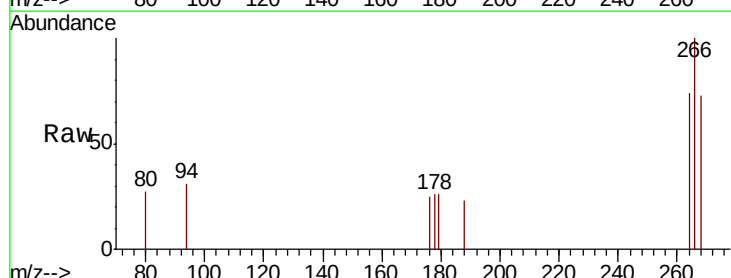
Tgt Ion:266 Resp: 249

Ion Ratio Lower Upper

266 100

264 61.8 49.4 74.2

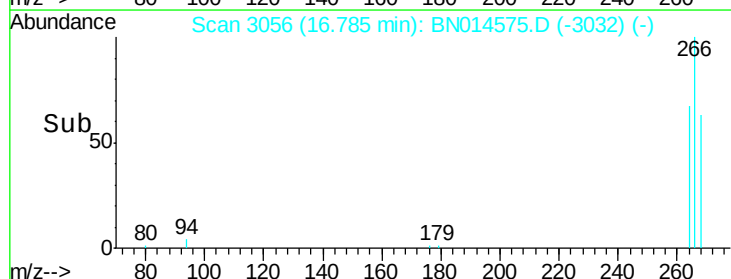
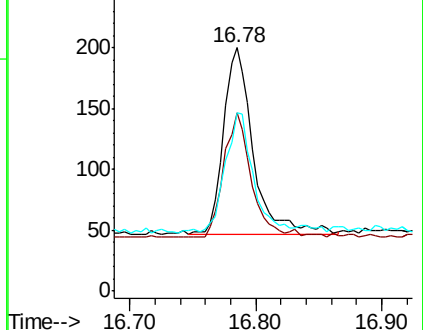
268 61.4 49.1 73.7

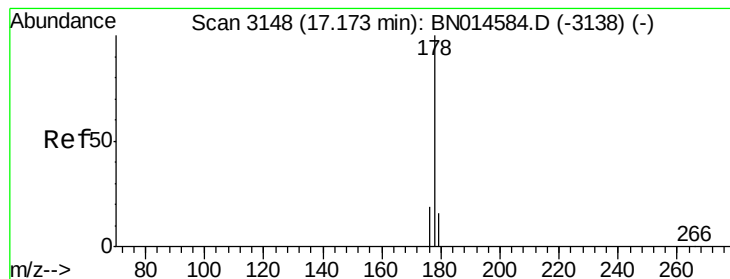


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.369 ng/ul

RT: 17.18 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.4003

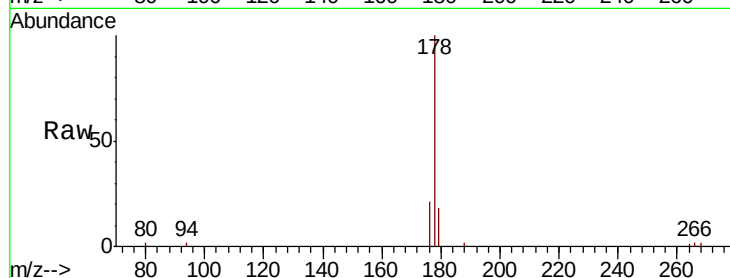
Tot Ion:178 Resp: 4101

Ion Ratio Lower Upper

178 100

179 17.6 14.1 21.1

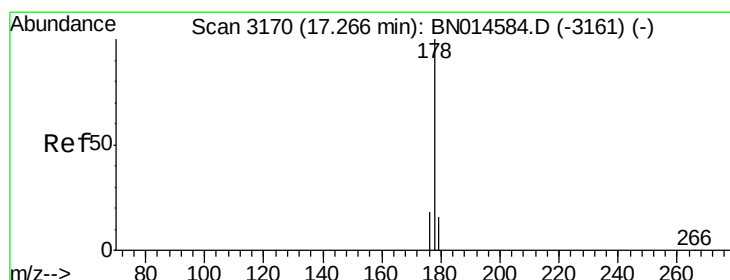
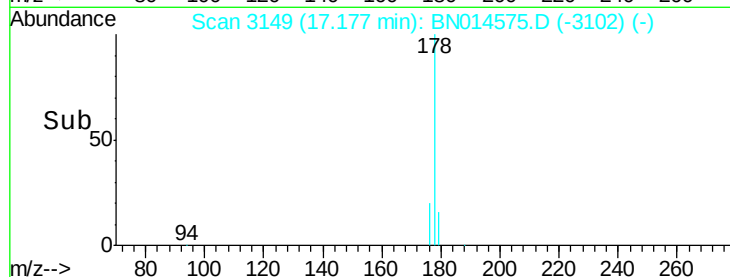
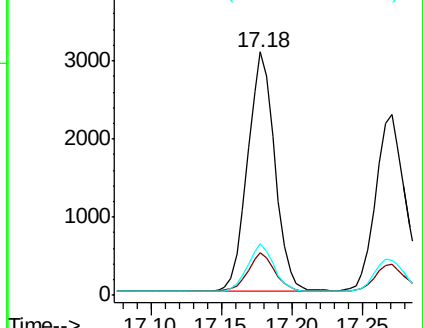
176 21.1 16.9 25.3



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: 0.347 ng/ul

RT: 17.27 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

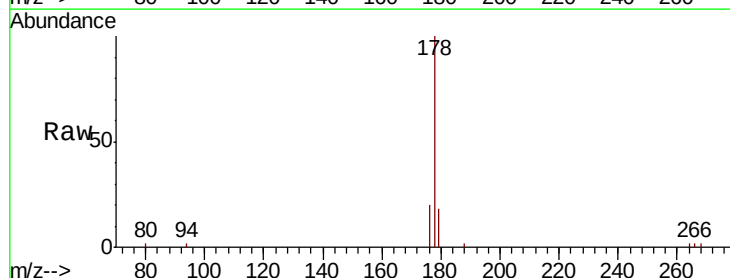
Tgt Ion:178 Resp: 3371

Ion Ratio Lower Upper

178 100

179 17.6 14.1 21.1

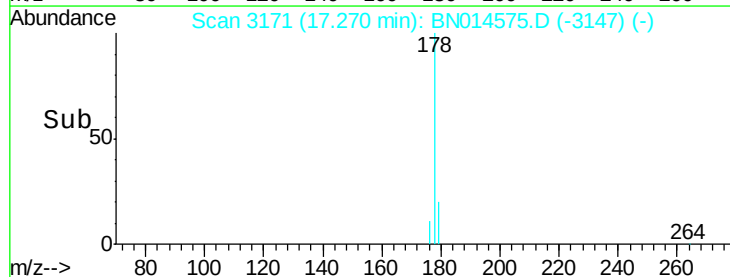
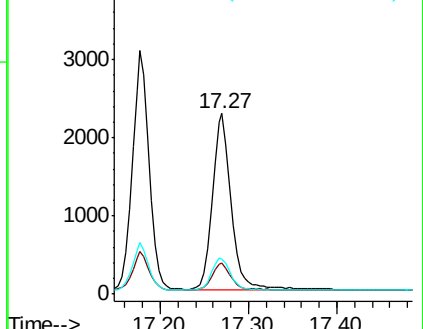
176 19.7 15.8 23.6

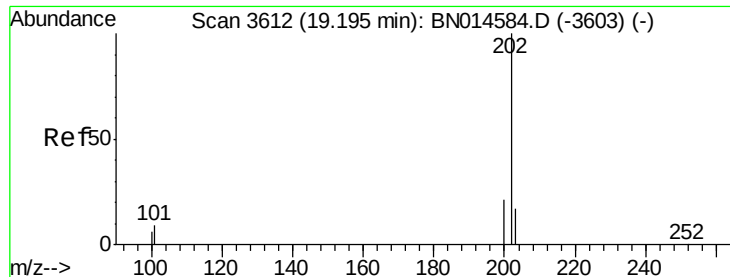


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

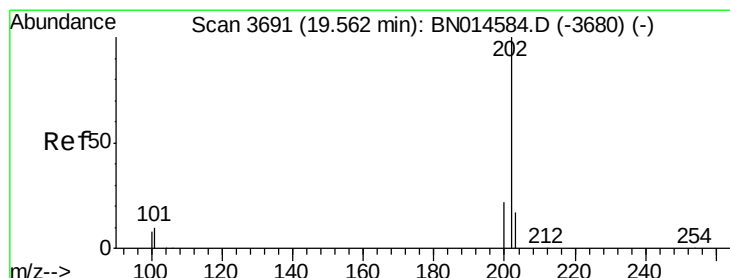
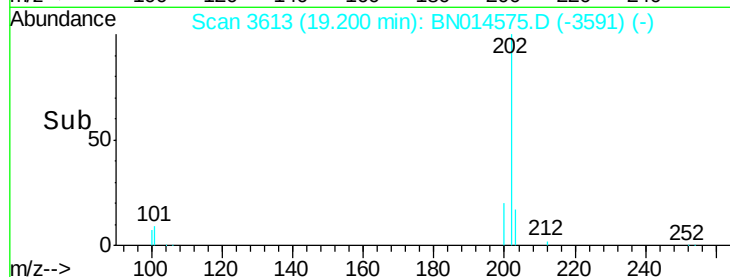
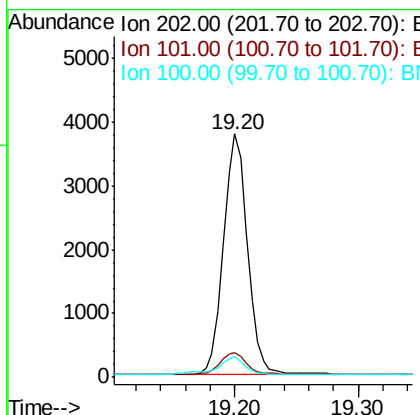
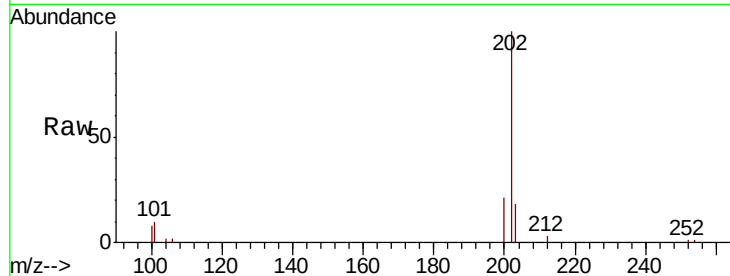




#19
Fluoranthene
Concen: 0.321 ng/ul
RT: 19.20 min Scan# 3613
Delta R.T. 0.00 min
Lab File: BN014575.D
Acq: 12 May 2021 12:19

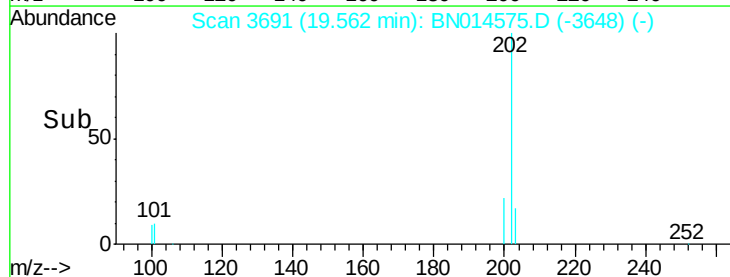
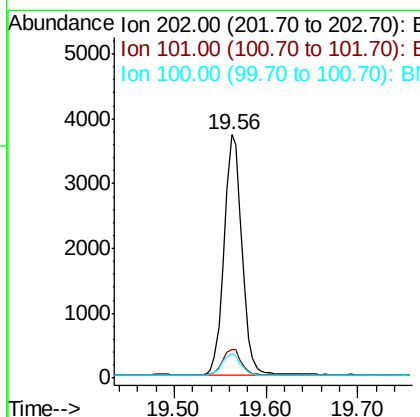
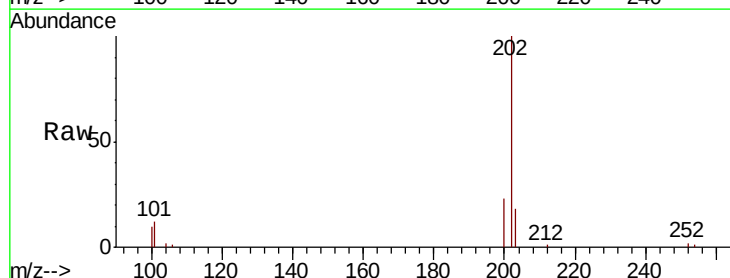
Instrument :
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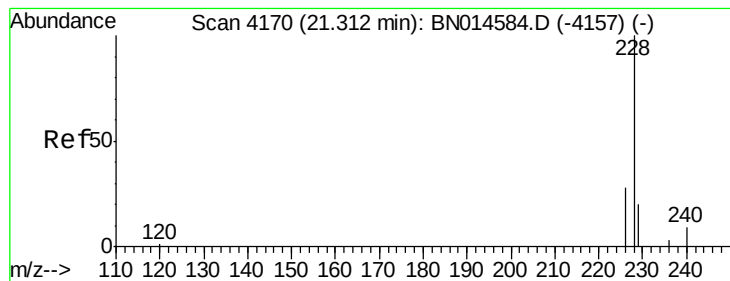
Tot Ion:202 Resp: 5054
Ion Ratio Lower Upper
202 100
101 10.4 8.3 12.5
100 8.4 6.7 10.1



#20
Pyrene
Concen: 0.314 ng/ul
RT: 19.56 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BN014575.D
Acq: 12 May 2021 12:19

Tgt Ion:202 Resp: 5029
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.0
100 10.3 8.2 12.4





#21

Benzo(a)anthracene

Concen: 0.321 ng/ul

RT: 21.31 min Scan# 4171

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.4003

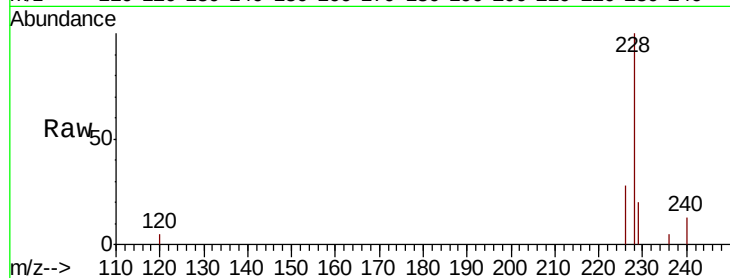
Tot Ion:228 Resp: 4664

Ion Ratio Lower Upper

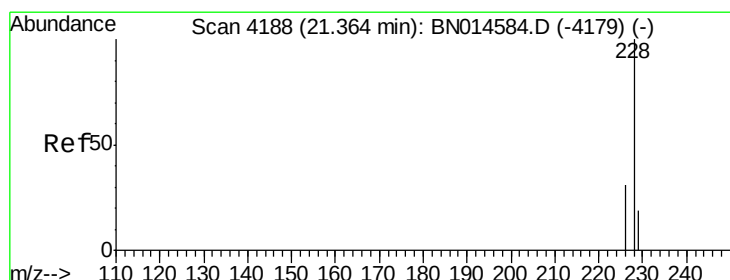
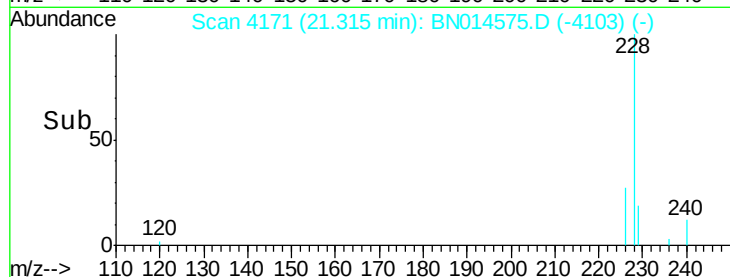
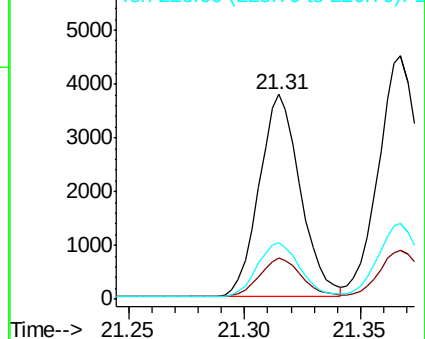
228 100

229 20.0 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: 0.374 ng/ul

RT: 21.37 min Scan# 4189

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

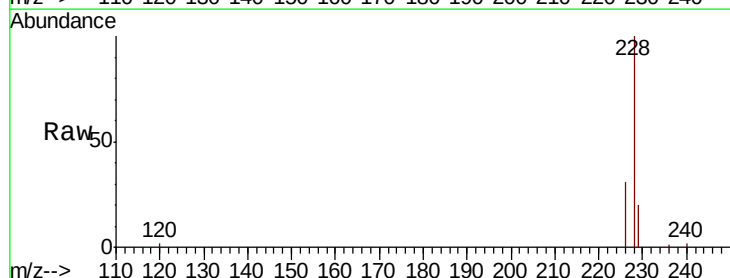
Tgt Ion:228 Resp: 5634

Ion Ratio Lower Upper

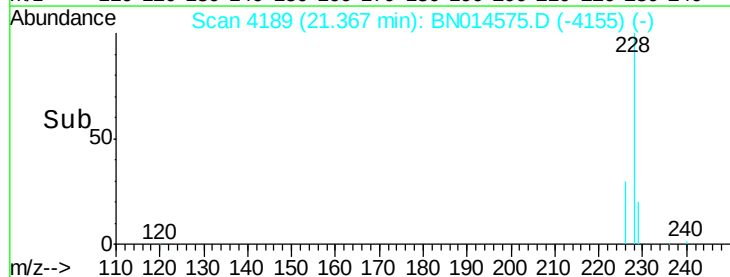
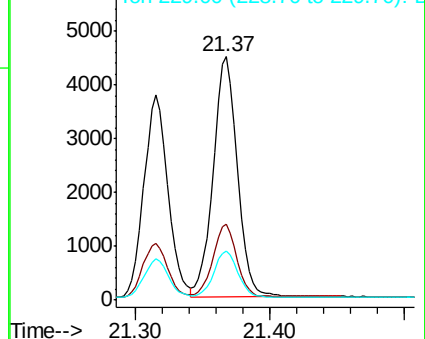
228 100

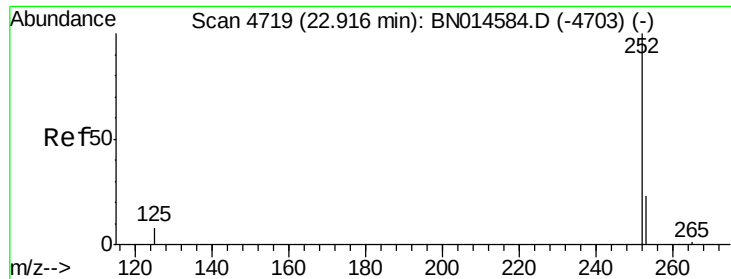
226 31.1 24.9 37.3

229 20.4 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: 0.350 ng/ul

RT: 22.92 min Scan# 4719

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.4003

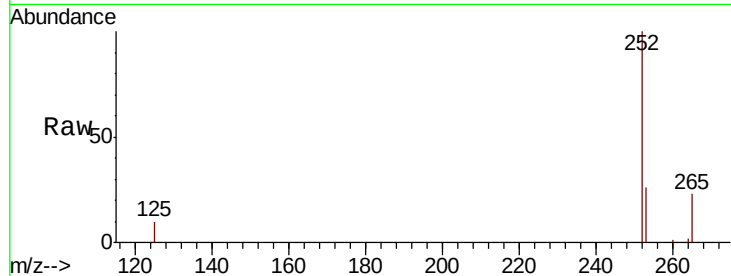
Tot Ion:252 Resp: 5587

Ion Ratio Lower Upper

252 100

253 25.5 0.0 51.0

125 10.1 0.0 20.2

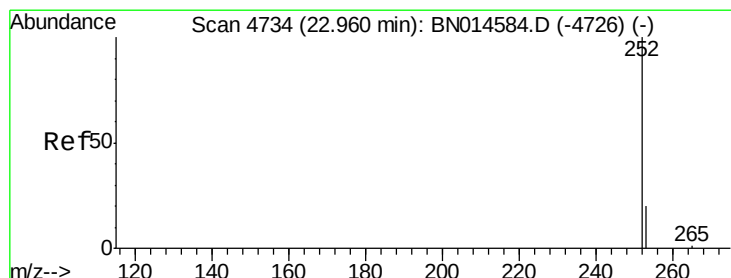
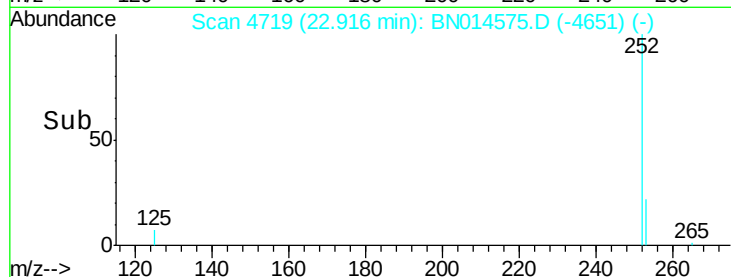
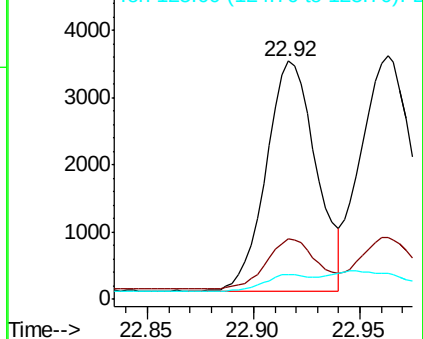


Abundance

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: 0.381 ng/ul

RT: 22.96 min Scan# 4735

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

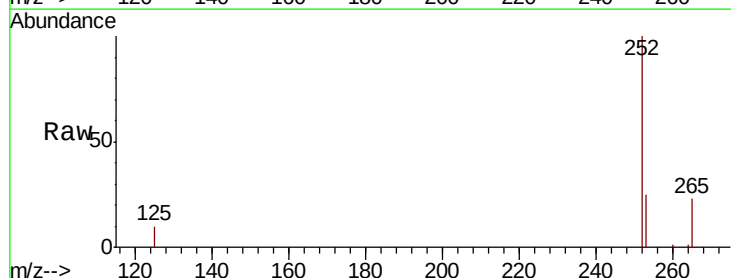
Tgt Ion:252 Resp: 6190

Ion Ratio Lower Upper

252 100

253 25.2 20.2 30.2

125 10.5 8.4 12.6

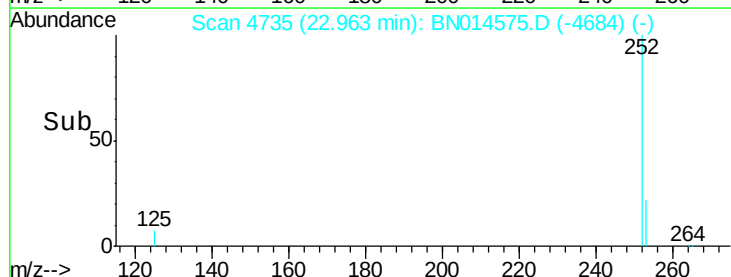
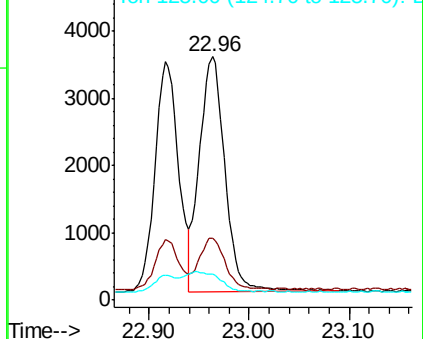


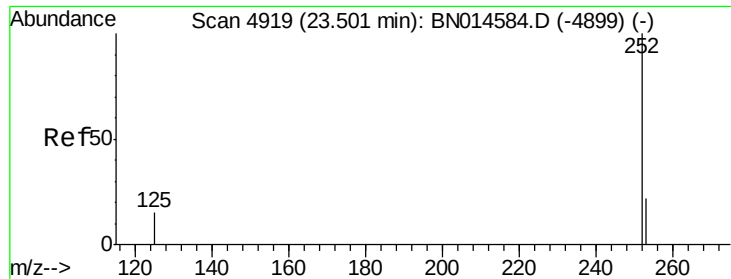
Abundance

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: 0.343 ng/ul

RT: 23.50 min Scan# 4919

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.4003

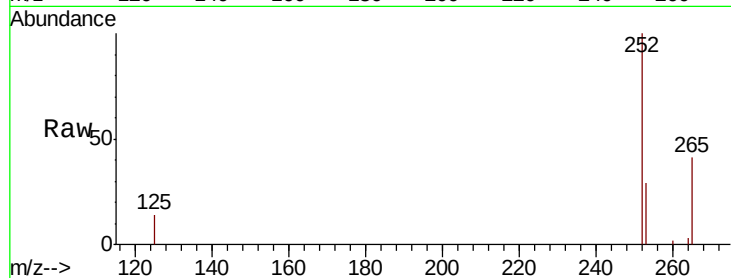
Tot Ion:252 Resp: 4543

Ion Ratio Lower Upper

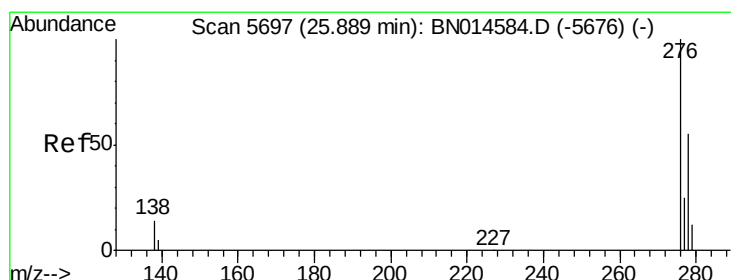
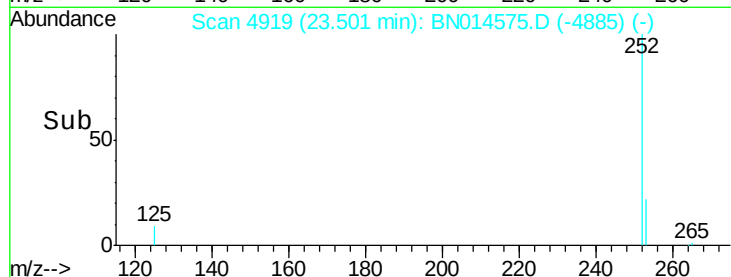
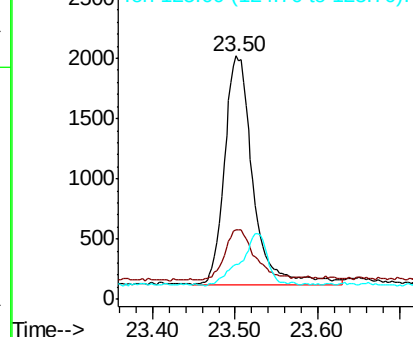
252 100

253 28.7 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: 0.379 ng/ul

RT: 25.90 min Scan# 5700

Delta R.T. 0.00 min

Lab File: BN014575.D

Acq: 12 May 2021 12:19

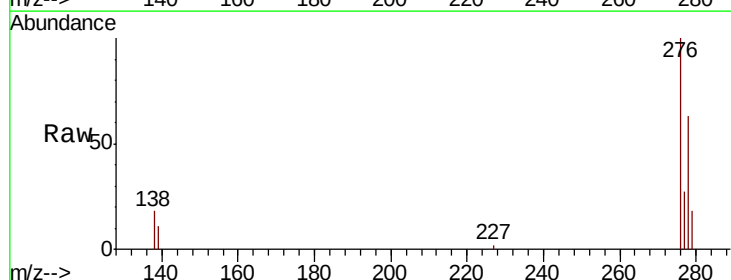
Tgt Ion:276 Resp: 6908

Ion Ratio Lower Upper

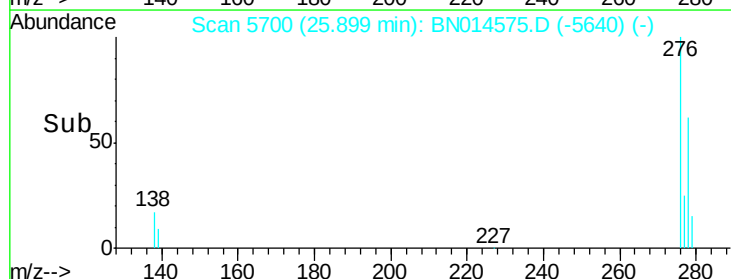
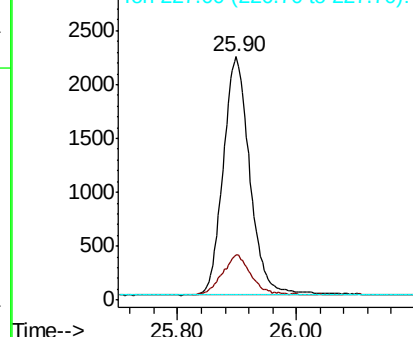
276 100

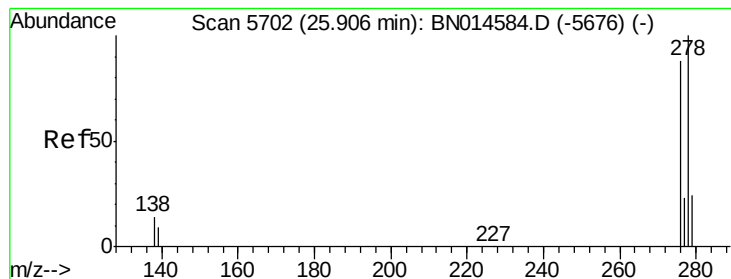
138 17.6 14.1 21.1

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



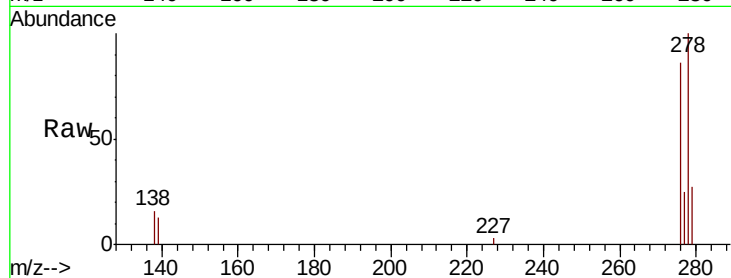


#28

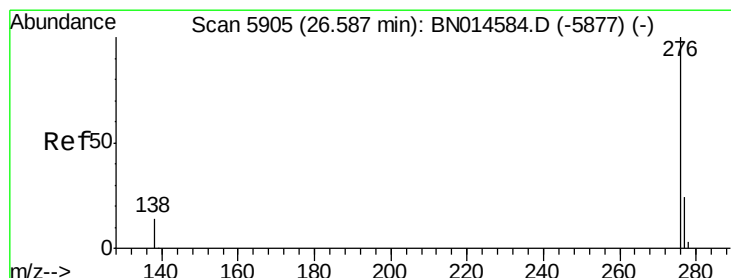
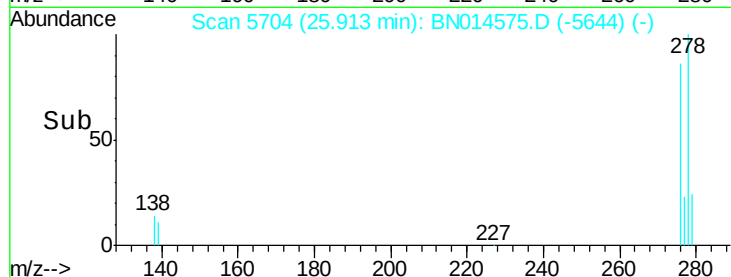
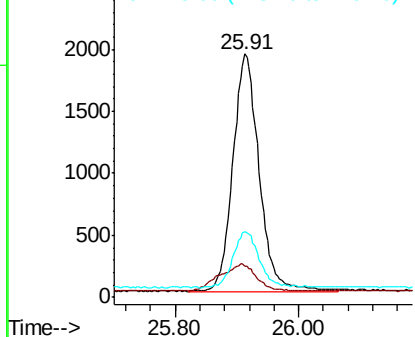
Dibenzo(a,h)anthracene
Concen: 0.388 ng/ul
RT: 25.91 min Scan# 5704
Delta R.T. 0.00 min
Lab File: BN014575.D
Acq: 12 May 2021 12:19

Instrument :
BNA_N
ClientSampleId :
SSTD0.4003

Tot Ion:278 Resp: 5651
Ion Ratio Lower Upper
278 100
139 13.0 10.4 15.6
279 27.2 21.8 32.6



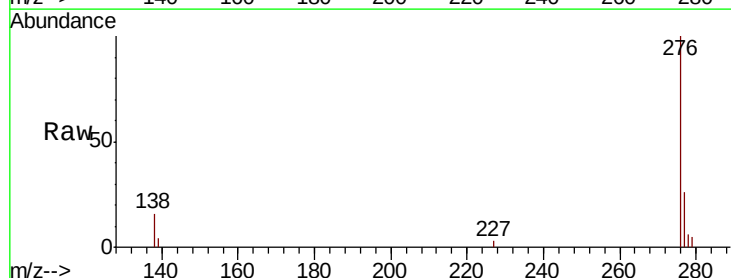
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene
Concen: 0.352 ng/ul
RT: 26.60 min Scan# 5908
Delta R.T. 0.00 min
Lab File: BN014575.D
Acq: 12 May 2021 12:19

Tgt Ion:276 Resp: 5414
Ion Ratio Lower Upper
276 100
138 15.7 12.6 18.8
277 26.1 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

