

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051321\
 Data File : BN014608.D
 Acq On : 14 May 2021 02:27
 Operator : CG/JU
 Sample : M2197-14MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 YARH8MSD

Quant Time: May 14 03:01:40 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

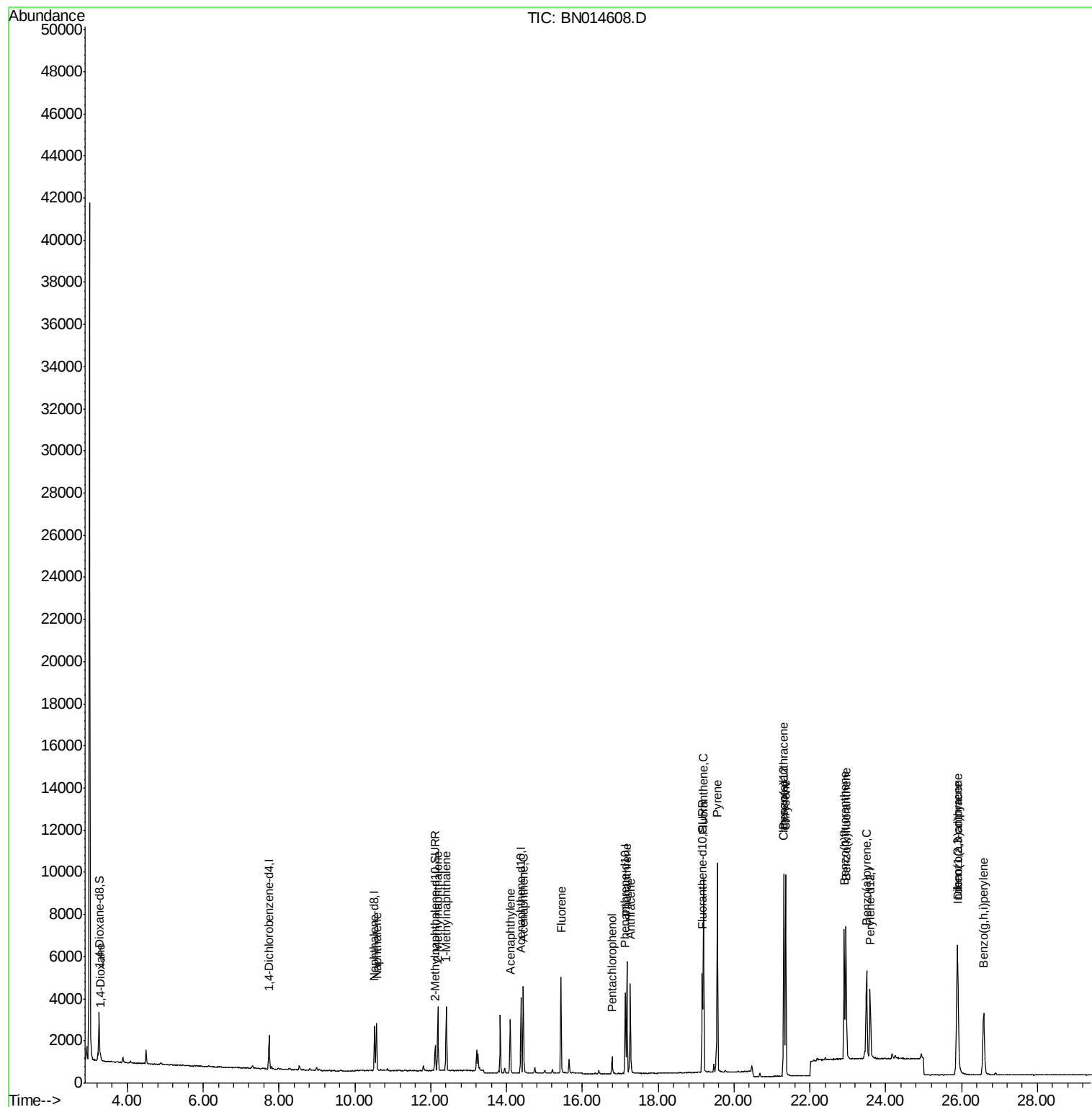
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	737	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	2906	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1879	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	4490	0.40	ng/ul	0.00
17) Chrysene-d12	21.32	240	4913	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	4257	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	1487	1.95	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1554	0.31	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	5421	0.41	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.29	88	255	0.303	ng/ul#	57
5) Naphthalene	10.57	128	3063	0.366	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	2072	0.346	ng/ul	98
8) 1-Methylnaphthalene	12.41	142	2012	0.349	ng/ul	97
10) Acenaphthylene	14.10	152	2796	0.390	ng/ul	99
11) Acenaphthene	14.44	153	2313	0.359	ng/ul	96
12) Fluorene	15.43	166	2787	0.358	ng/ul	99
14) Pentachlorophenol	16.78	266	572	0.650	ng/ul	99
15) Phenanthrene	17.17	178	5543	0.409	ng/ul	98
16) Anthracene	17.27	178	4600	0.410	ng/ul	98
19) Fluoranthene	19.19	202	7687	0.479	ng/ul	98
20) Pyrene	19.56	202	8209	0.516	ng/ul	98
21) Benzo(a)anthracene	21.31	228	7215	0.485	ng/ul	99
22) Chrysene	21.36	228	8078	0.457	ng/ul	100
24) Benzo(b)fluoranthene	22.91	252	7973	0.447	ng/ul	99
25) Benzo(k)fluoranthene	22.95	252	8524	0.458	ng/ul	98
26) Benzo(a)pyrene	23.49	252	6625	0.472	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.88	276	8767	0.427	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.90	278	7025	0.415	ng/ul	98
29) Benzo(a,h,i)perylene	26.58	276	6979	0.408	ng/ul	99

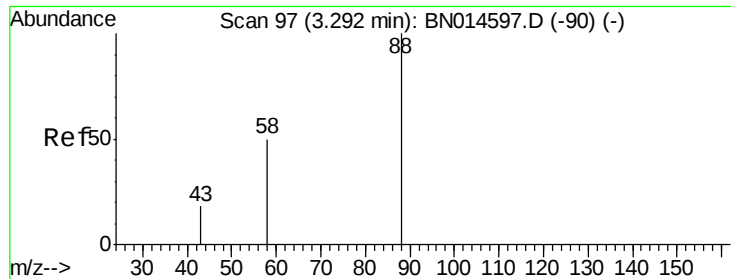
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051221.M
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#2

1,4-Dioxane

Concen: 0.303 ng/ul

RT: 3.29 min Scan# 97

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

YARH8MSD

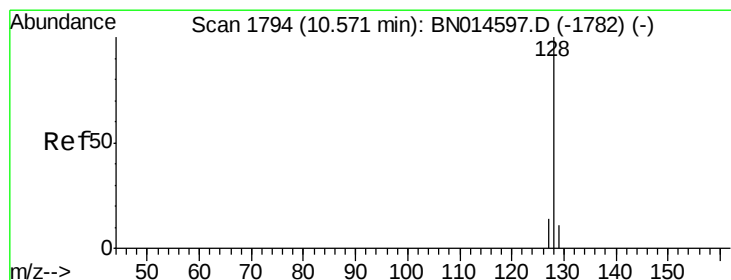
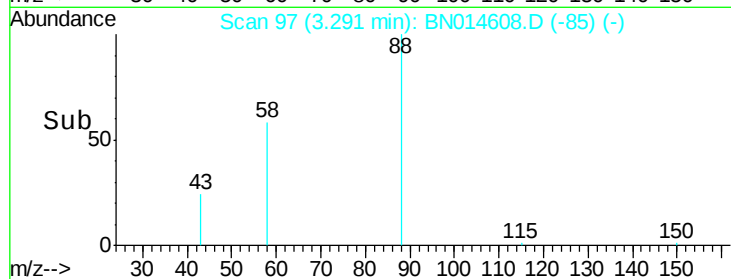
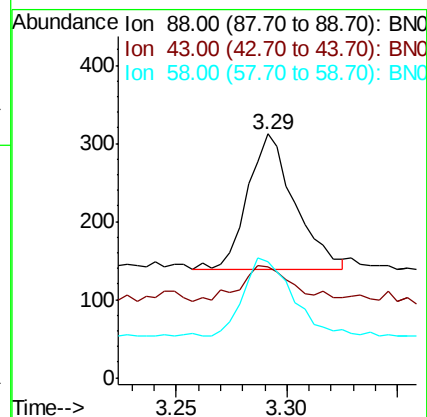
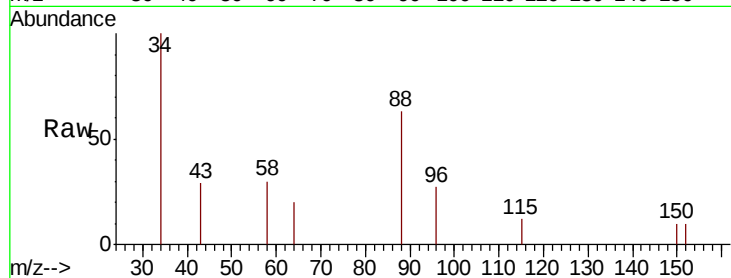
Tot Ion: 88 Resp: 255

Ion Ratio Lower Upper

88 100

43 45.5 15.7 23.5#

58 47.8 23.8 35.6#



#5

Naphthalene

Concen: 0.366 ng/ul

RT: 10.57 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

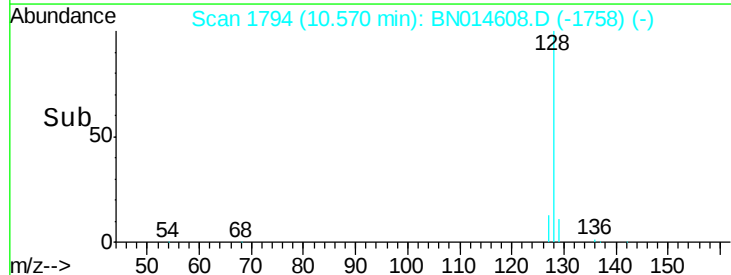
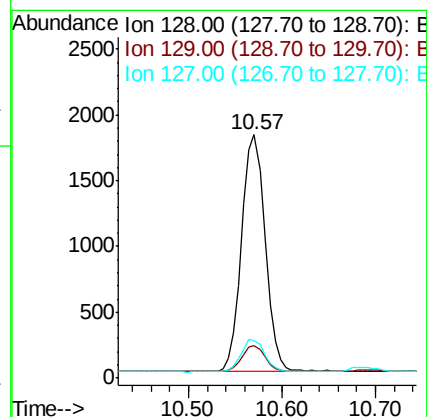
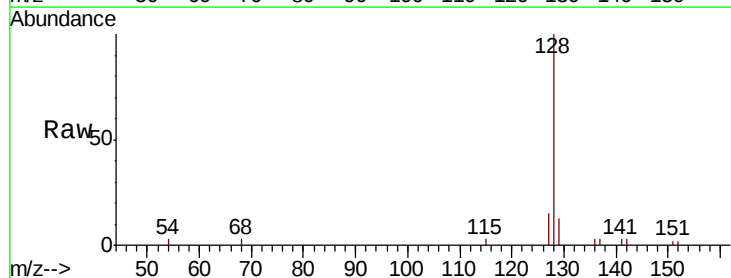
Tgt Ion: 128 Resp: 3063

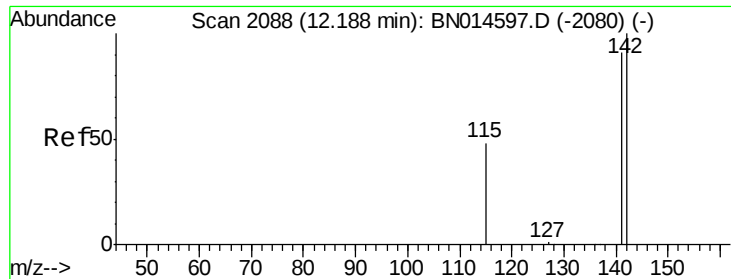
Ion Ratio Lower Upper

128 100

129 13.2 11.6 17.4

127 15.5 13.3 19.9





#7

2-Methylnaphthalene

Concen: 0.346 ng/ul

RT: 12.19 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

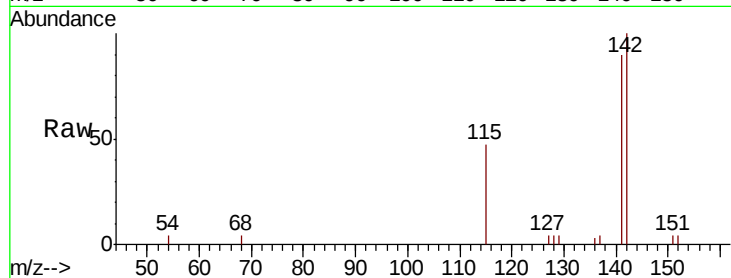
YARH8MSD

Tot Ion:142 Resp: 2072

Ion Ratio Lower Upper

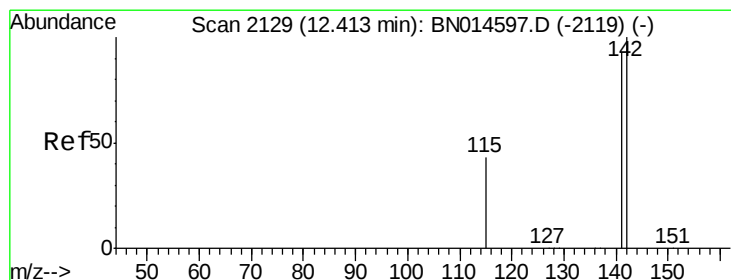
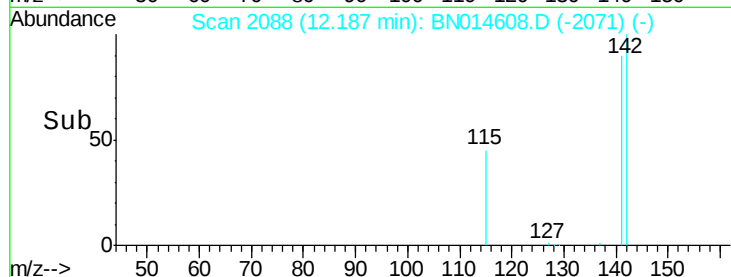
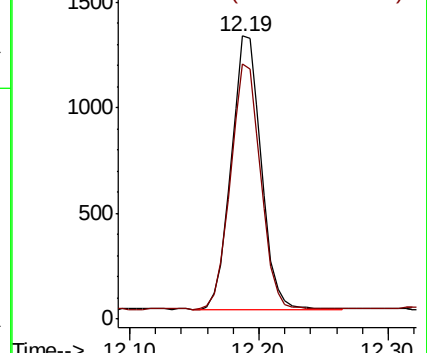
142 100

141 90.6 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: 0.349 ng/ul

RT: 12.41 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BN014608.D

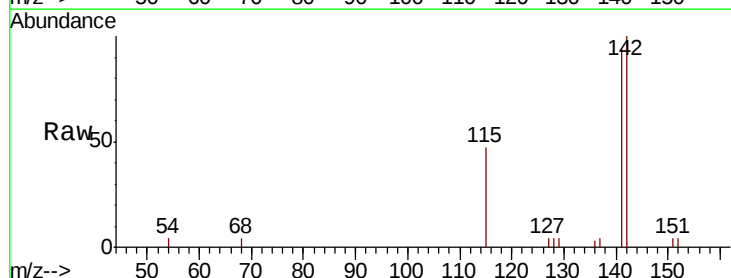
Acq: 14 May 2021 02:27

Tgt Ion:142 Resp: 2012

Ion Ratio Lower Upper

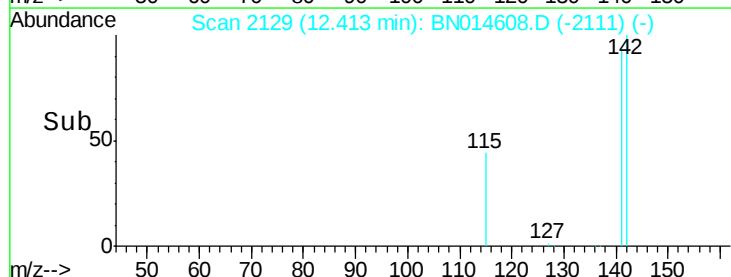
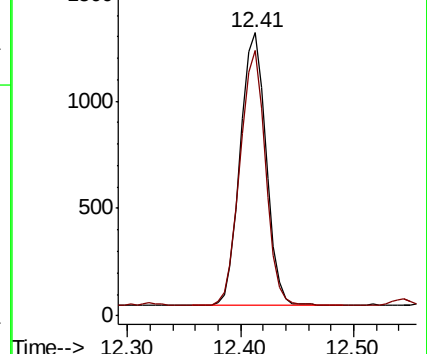
142 100

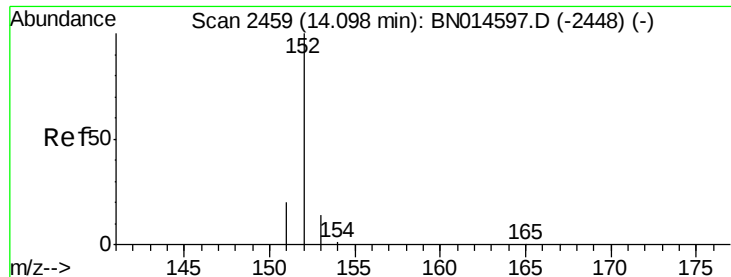
141 92.2 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.390 ng/ul

RT: 14.10 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

YARH8MSD

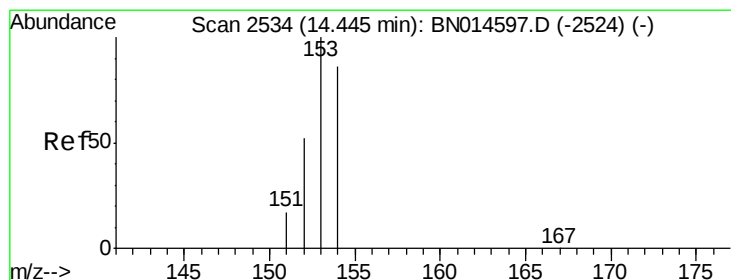
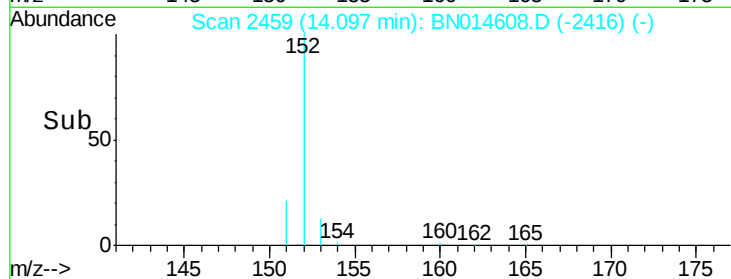
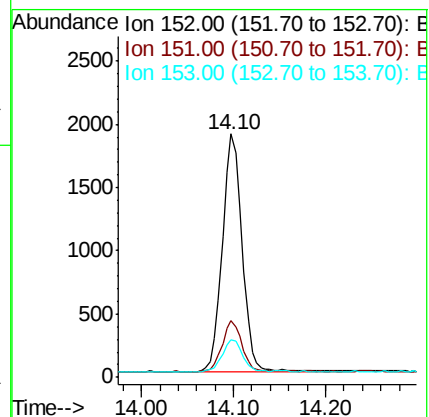
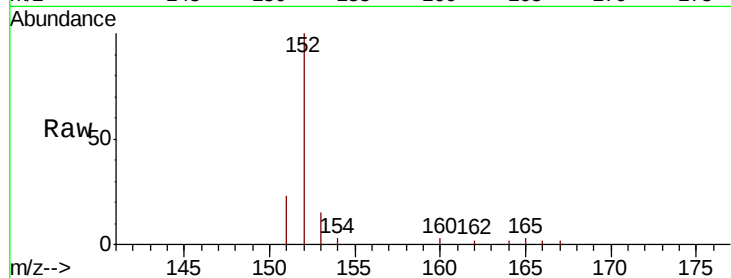
Tot Ion:152 Resp: 2796

Ion Ratio Lower Upper

152 100

151 23.2 18.2 27.2

153 15.5 12.8 19.2



#11

Acenaphthene

Concen: 0.359 ng/ul

RT: 14.44 min Scan# 2534

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

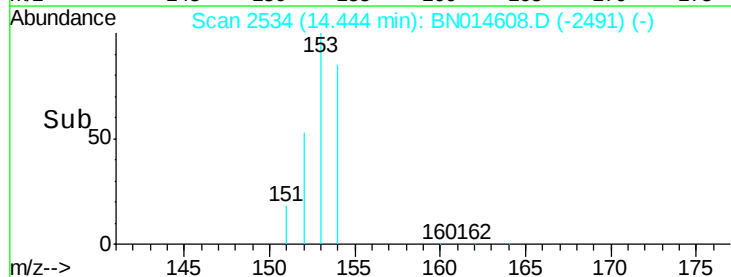
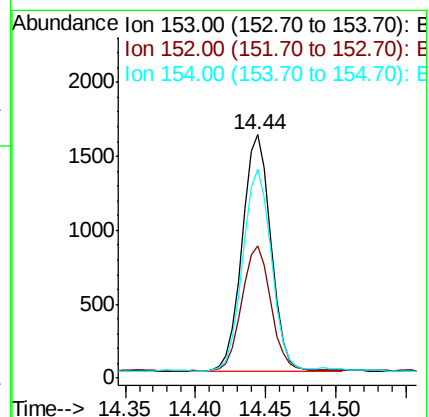
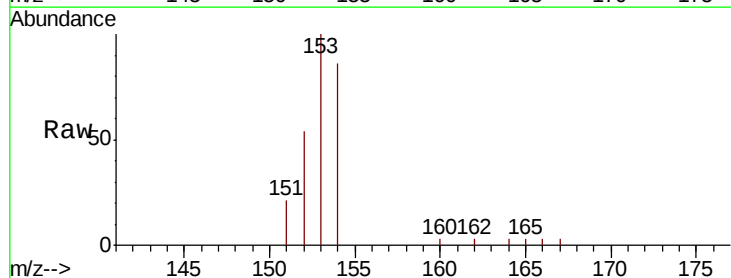
Tgt Ion:153 Resp: 2313

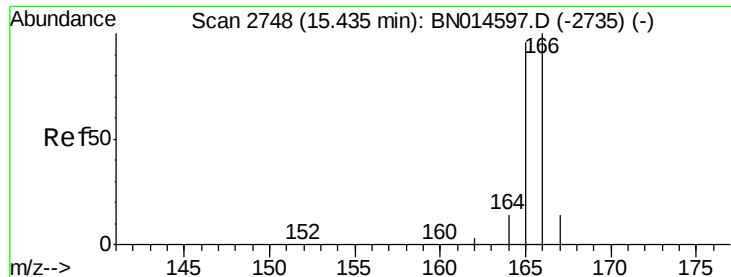
Ion Ratio Lower Upper

153 100

152 54.4 40.9 61.3

154 85.7 70.7 106.1





#12

Fluorene

Concen: 0.358 ng/ul

RT: 15.43 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

YARH8MSD

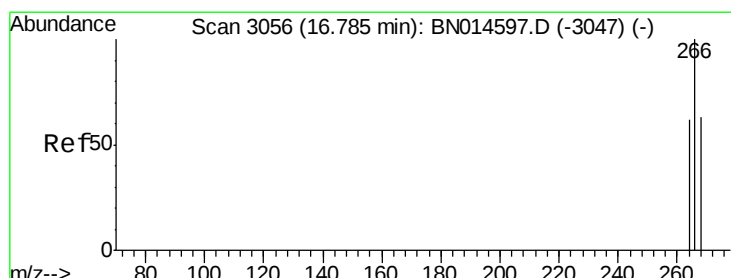
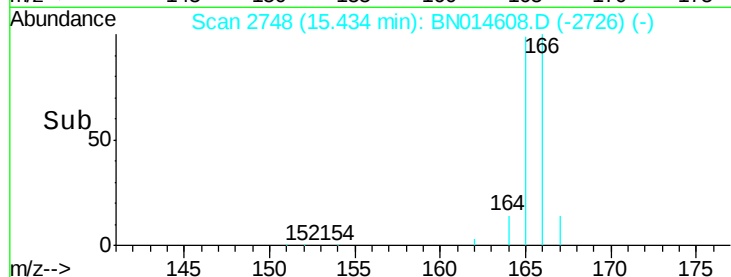
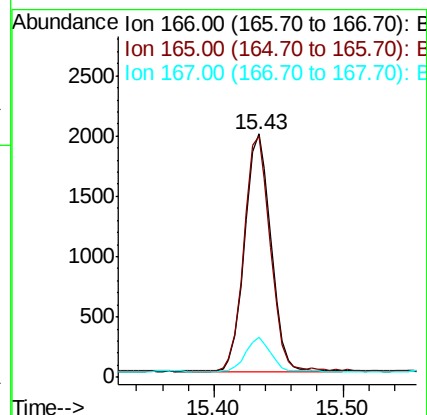
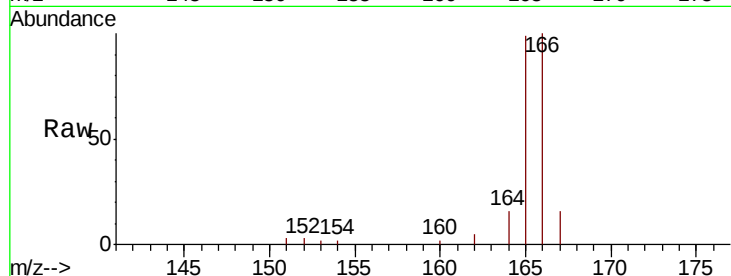
Tot Ion:166 Resp: 2787

Ion Ratio Lower Upper

166 100

165 98.9 78.6 118.0

167 16.5 13.2 19.8



#14

Pentachlorophenol

Concen: 0.650 ng/ul

RT: 16.78 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

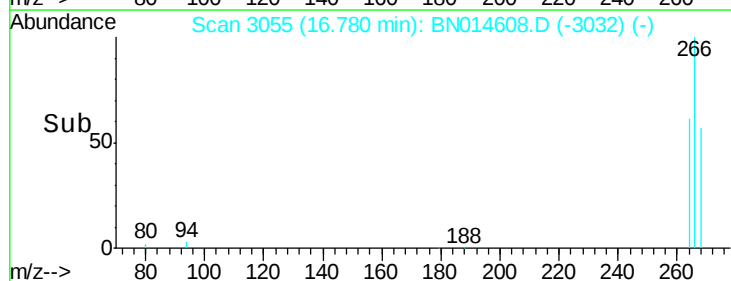
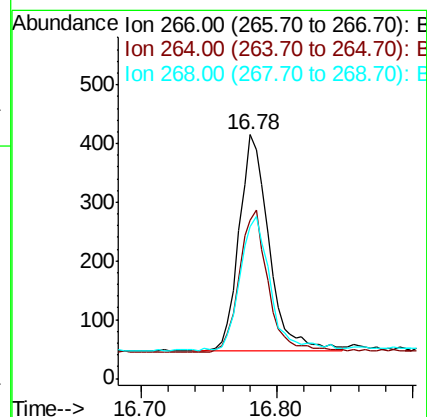
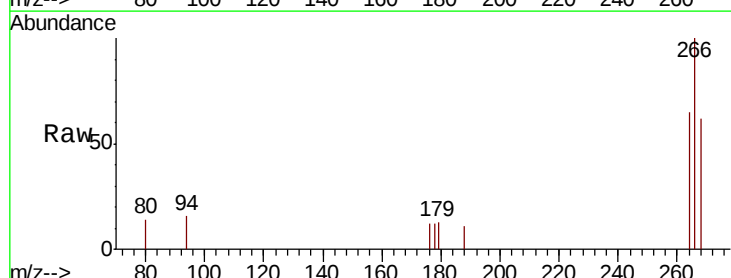
Tgt Ion:266 Resp: 572

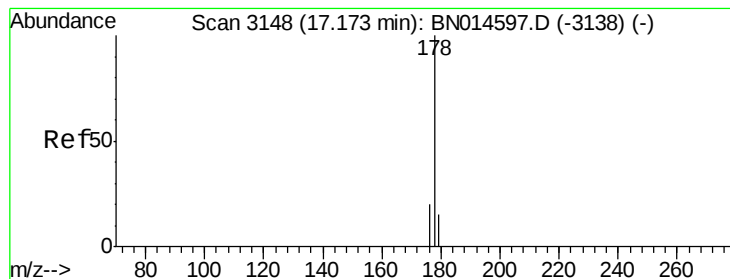
Ion Ratio Lower Upper

266 100

264 62.9 49.4 74.2

268 62.1 49.1 73.7





#15

Phenanthrene

Concen: 0.409 ng/ul

RT: 17.17 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

YARH8MSD

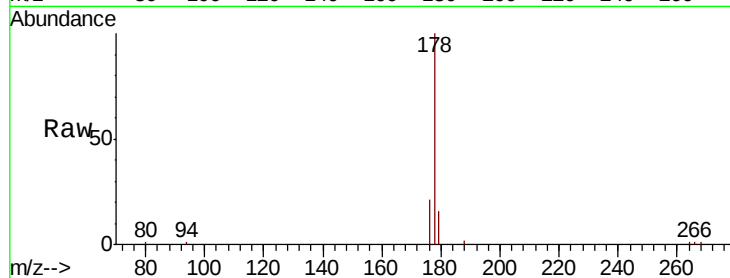
Tot Ion:178 Resp: 5543

Ion Ratio Lower Upper

178 100

179 16.5 14.1 21.1

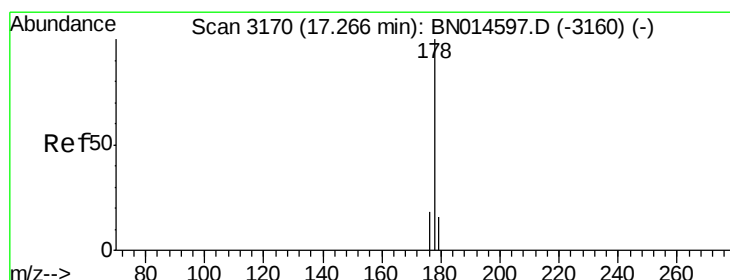
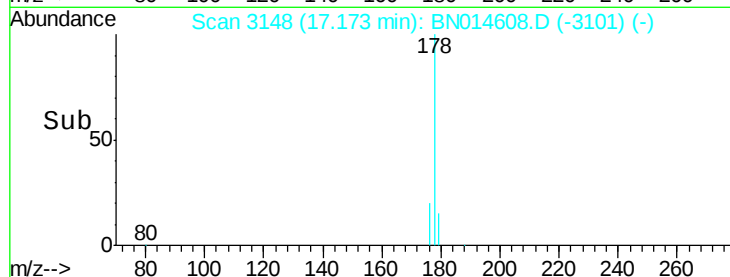
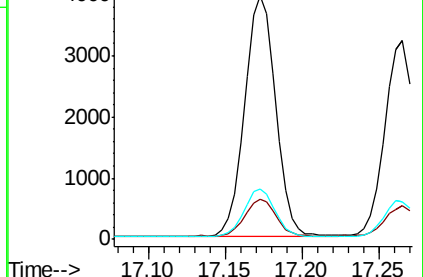
176 20.5 16.9 25.3



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: 0.410 ng/ul

RT: 17.27 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

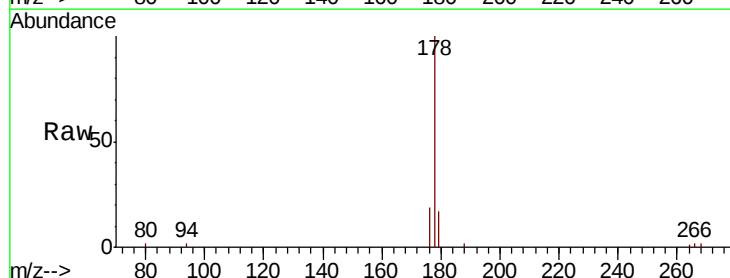
Tgt Ion:178 Resp: 4600

Ion Ratio Lower Upper

178 100

179 16.9 14.1 21.1

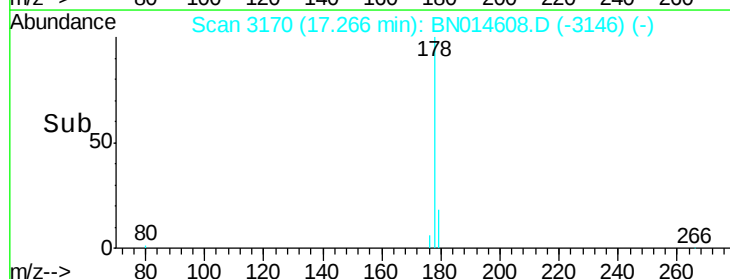
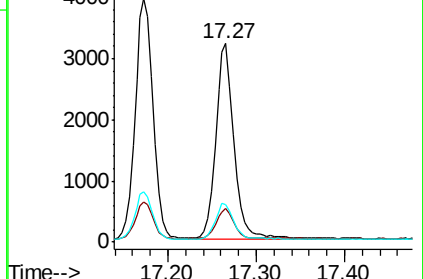
176 18.8 15.8 23.6

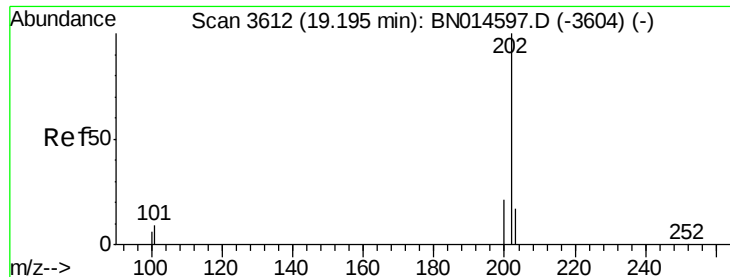


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

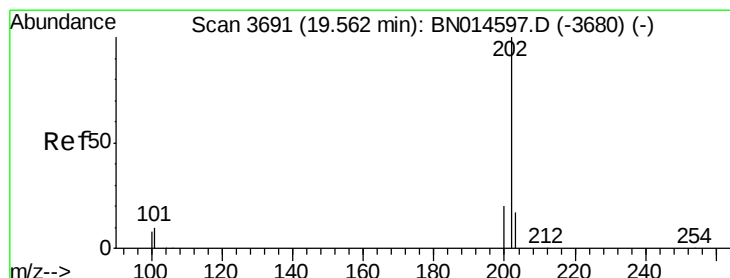
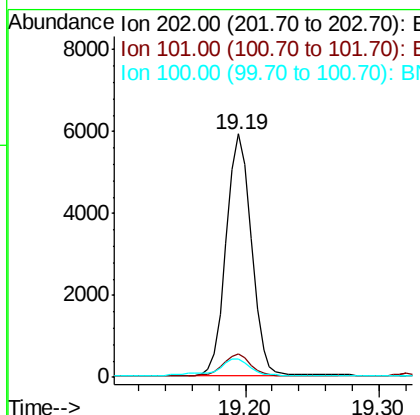
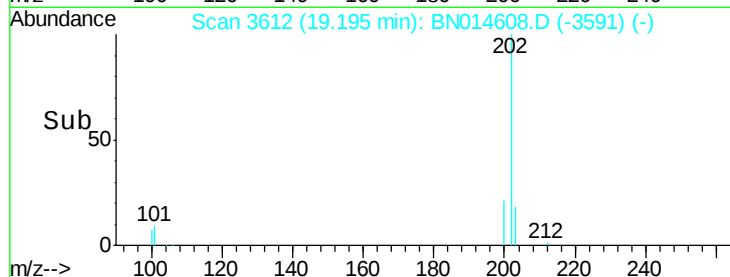
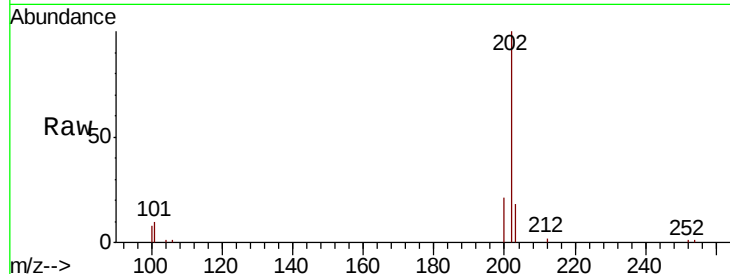




#19
Fluoranthene
 Concen: 0.479 ng/ul
 RT: 19.19 min Scan# 3612
 Delta R.T. -0.00 min
 Lab File: BN014608.D
 Acq: 14 May 2021 02:27

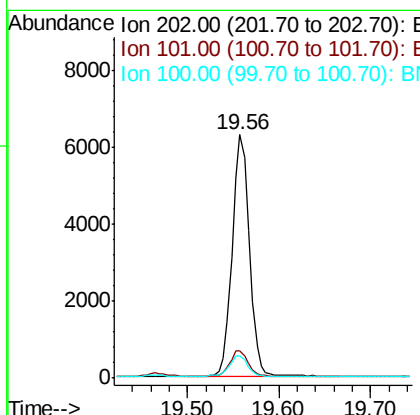
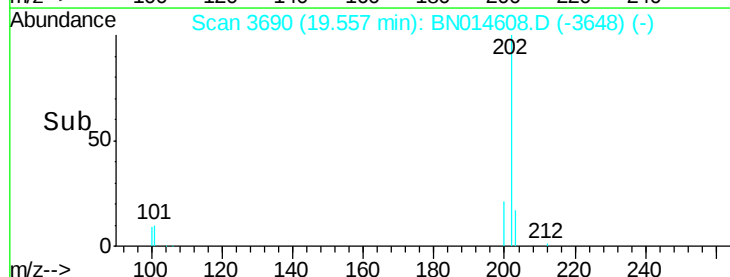
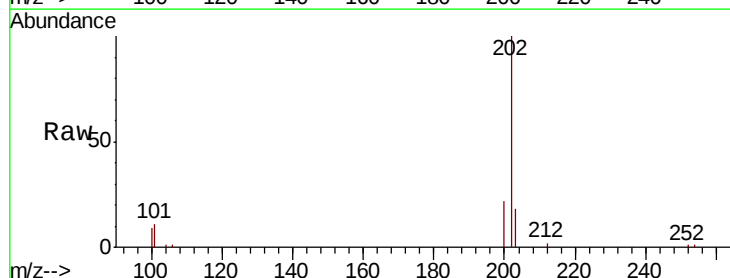
Instrument :
 BNA_N
 ClientSampleId :
 YARH8MSD

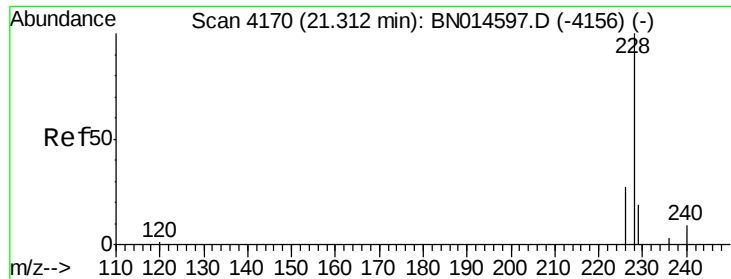
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.3	12.5
100	7.7	6.7	10.1



#20
Pyrene
 Concen: 0.516 ng/ul
 RT: 19.56 min Scan# 3690
 Delta R.T. -0.01 min
 Lab File: BN014608.D
 Acq: 14 May 2021 02:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.4	14.0
100	9.3	8.2	12.4





#21

Benzo(a)anthracene

Concen: 0.485 ng/ul

RT: 21.31 min Scan# 4169

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

YARH8MSD

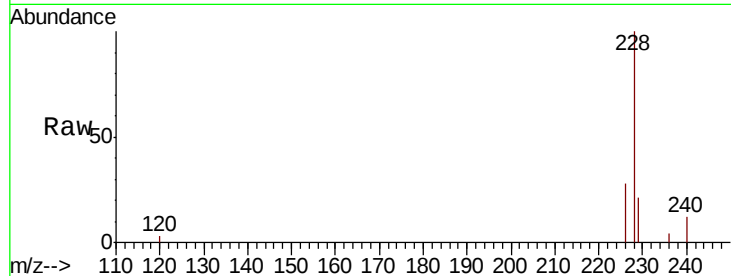
Tot Ion:228 Resp: 7215

Ion Ratio Lower Upper

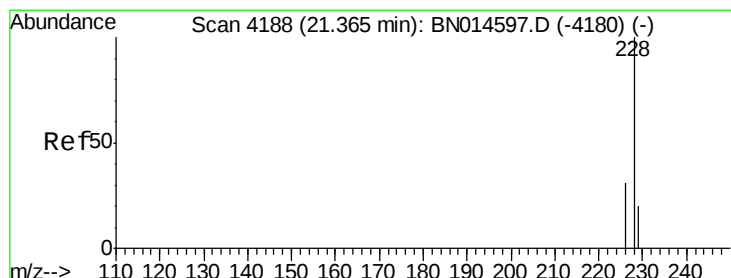
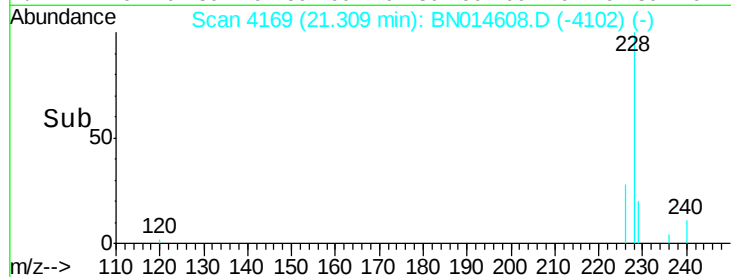
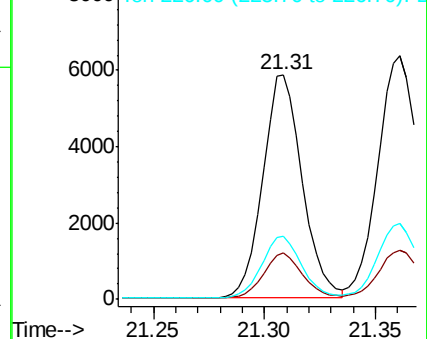
228 100

229 20.6 16.0 24.0

226 28.2 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: 0.457 ng/ul

RT: 21.36 min Scan# 4187

Delta R.T. -0.00 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

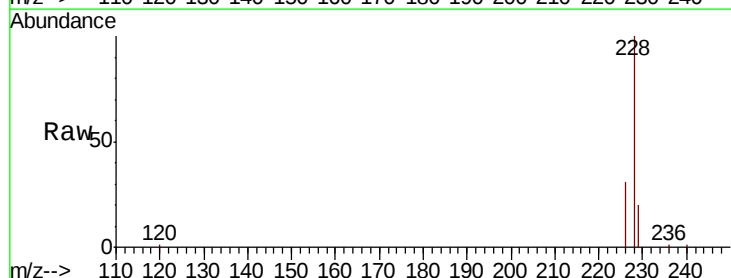
Tgt Ion:228 Resp: 8078

Ion Ratio Lower Upper

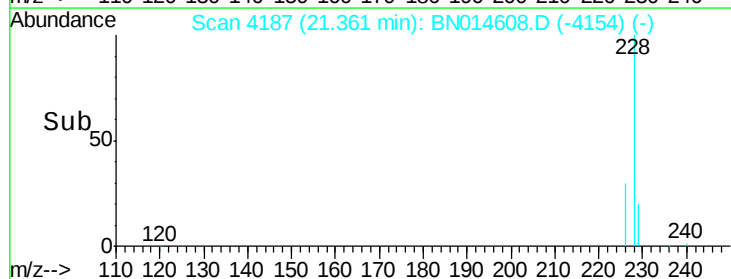
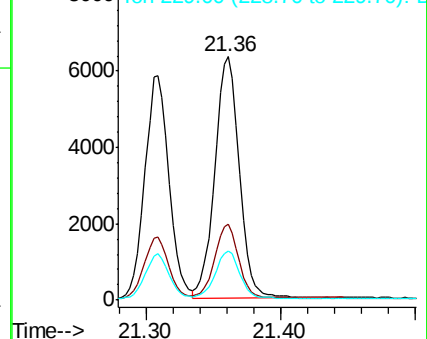
228 100

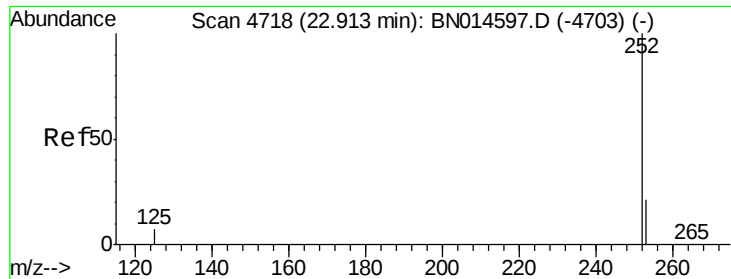
226 31.0 24.9 37.3

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: 0.447 ng/ul

RT: 22.91 min Scan# 4716

Delta R.T. -0.01 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

YARH8MSD

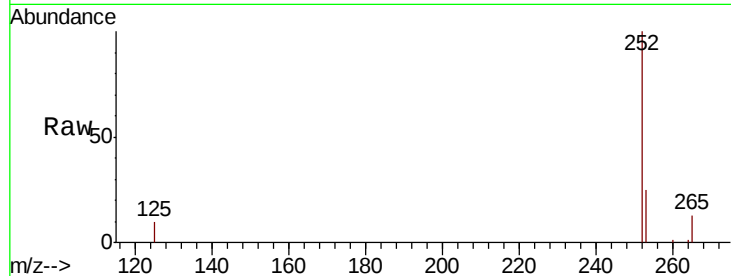
Tot Ion:252 Resp: 7973

Ion Ratio Lower Upper

252 100

253 24.9 0.0 51.0

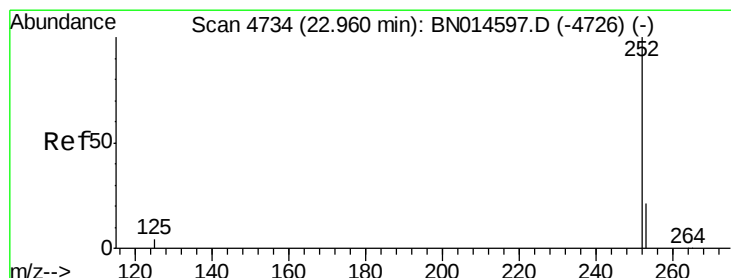
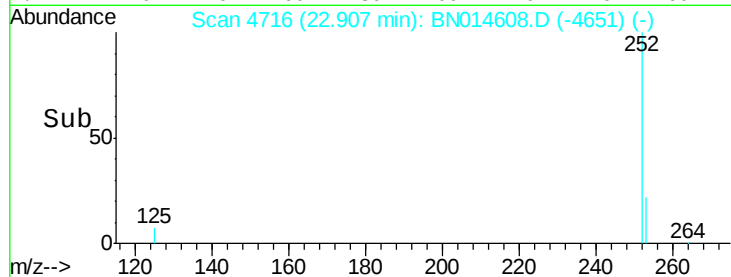
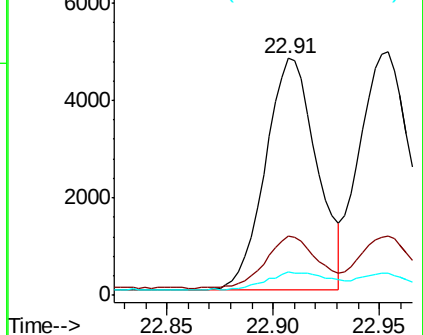
125 9.7 0.0 20.2



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: 0.458 ng/ul

RT: 22.95 min Scan# 4732

Delta R.T. -0.01 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

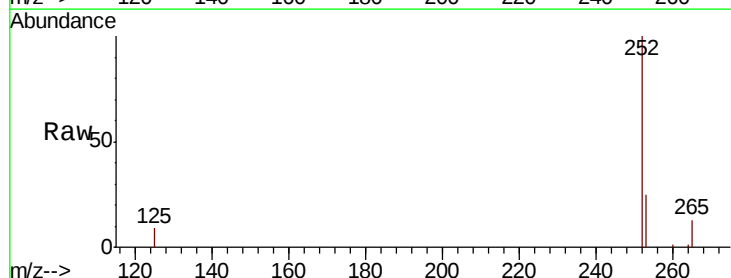
Tgt Ion:252 Resp: 8524

Ion Ratio Lower Upper

252 100

253 24.5 20.2 30.2

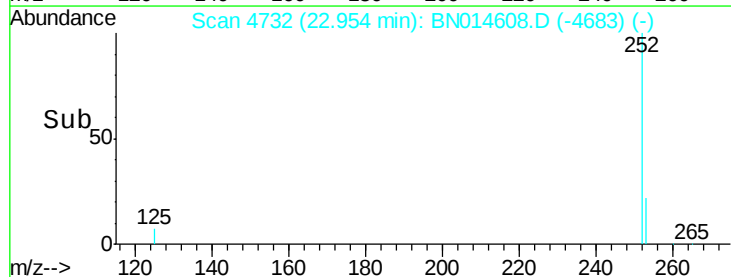
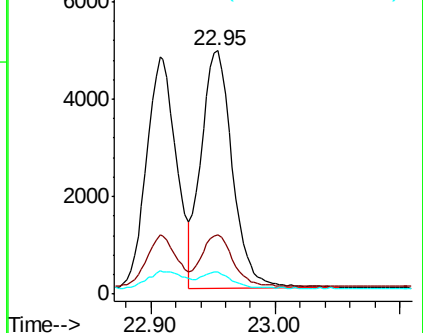
125 9.3 8.4 12.6

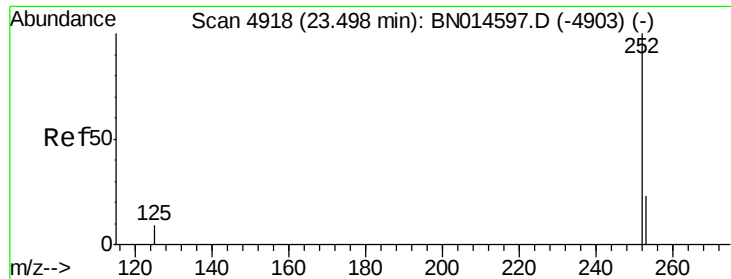


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.472 ng/ul

RT: 23.49 min Scan# 4916

Delta R.T. -0.01 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

Instrument :

BNA_N

ClientSampleId :

YARH8MSD

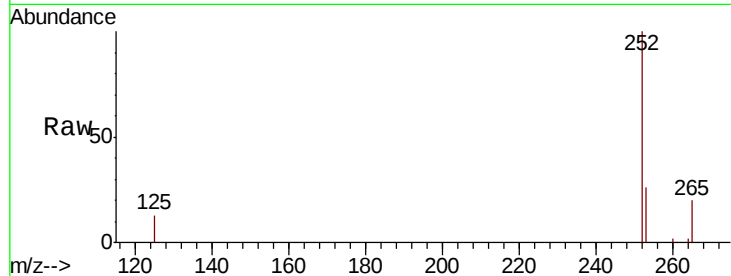
Tot Ion:252 Resp: 6625

Ion Ratio Lower Upper

252 100

253 26.3 23.0 34.4

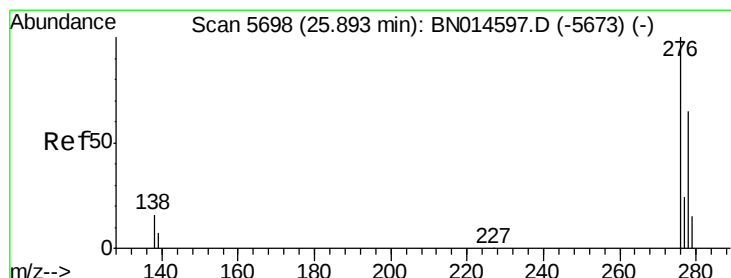
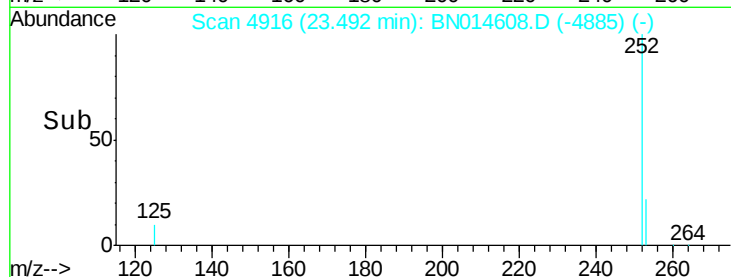
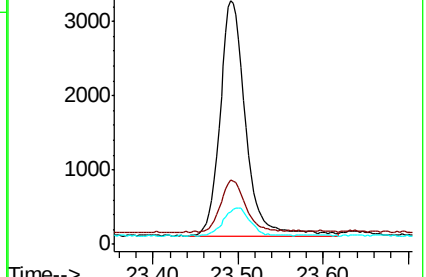
125 13.3 11.4 17.2



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: 0.427 ng/ul

RT: 25.88 min Scan# 5695

Delta R.T. -0.01 min

Lab File: BN014608.D

Acq: 14 May 2021 02:27

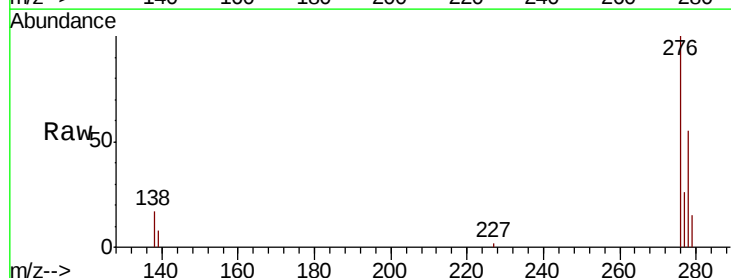
Tgt Ion:276 Resp: 8767

Ion Ratio Lower Upper

276 100

138 15.5 14.1 21.1

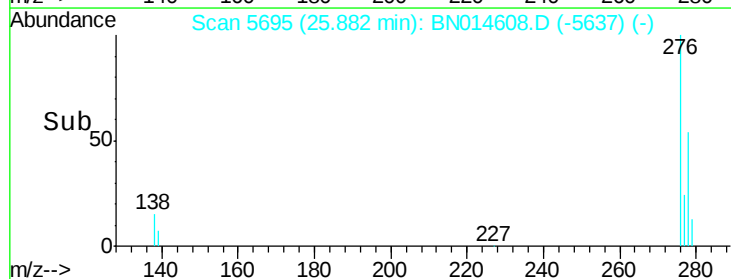
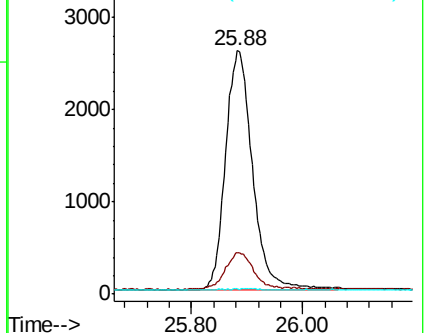
227 0.0 0.0 0.0#

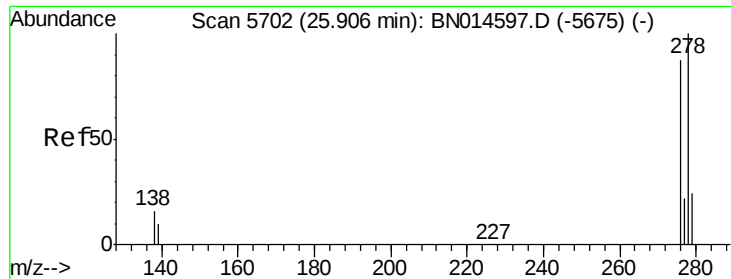


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

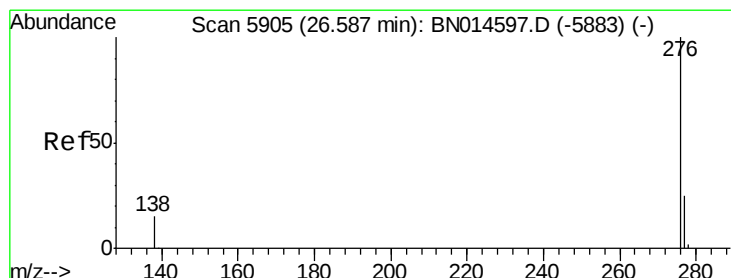
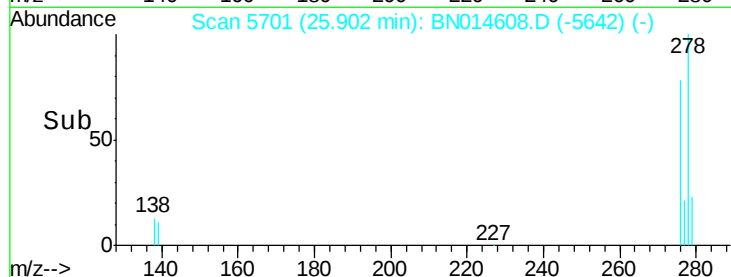
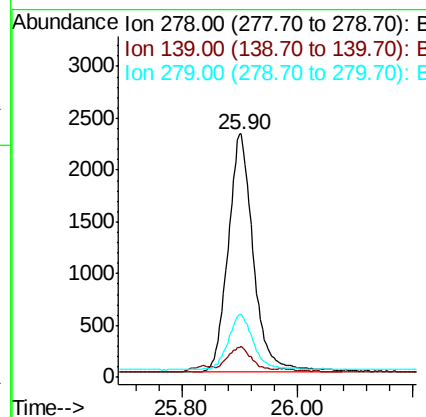
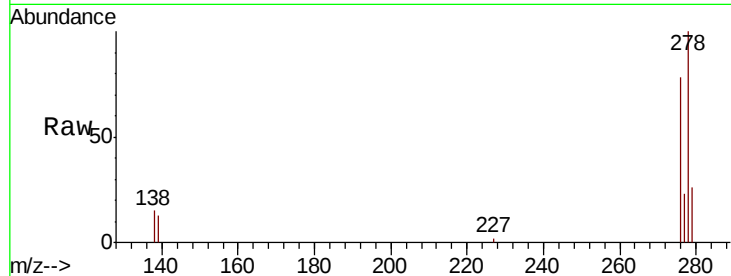




#28
Dibenzo(a,h)anthracene
Concen: 0.415 ng/ul
RT: 25.90 min Scan# 5701
Delta R.T. -0.00 min
Lab File: BN014608.D
Acq: 14 May 2021 02:27

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tot Ion:278 Resp: 7025
Ion Ratio Lower Upper
278 100
139 12.8 10.4 15.6
279 25.7 21.8 32.6



#29
Benzo(g,h,i)perylene
Concen: 0.408 ng/ul
RT: 26.58 min Scan# 5904
Delta R.T. -0.00 min
Lab File: BN014608.D
Acq: 14 May 2021 02:27

Tgt Ion:276 Resp: 6979
Ion Ratio Lower Upper
276 100
138 15.0 12.6 18.8
277 25.6 20.9 31.3

