

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012521\
 Data File : BN013475.D
 Acq On : 25 Jan 2021 19:31
 Operator : CG/JU
 Sample : SST0.801
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST0.8001

Quant Time: Jan 25 22:20:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN012521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 25 10:11:38 2021
 Response via : Initial Calibration

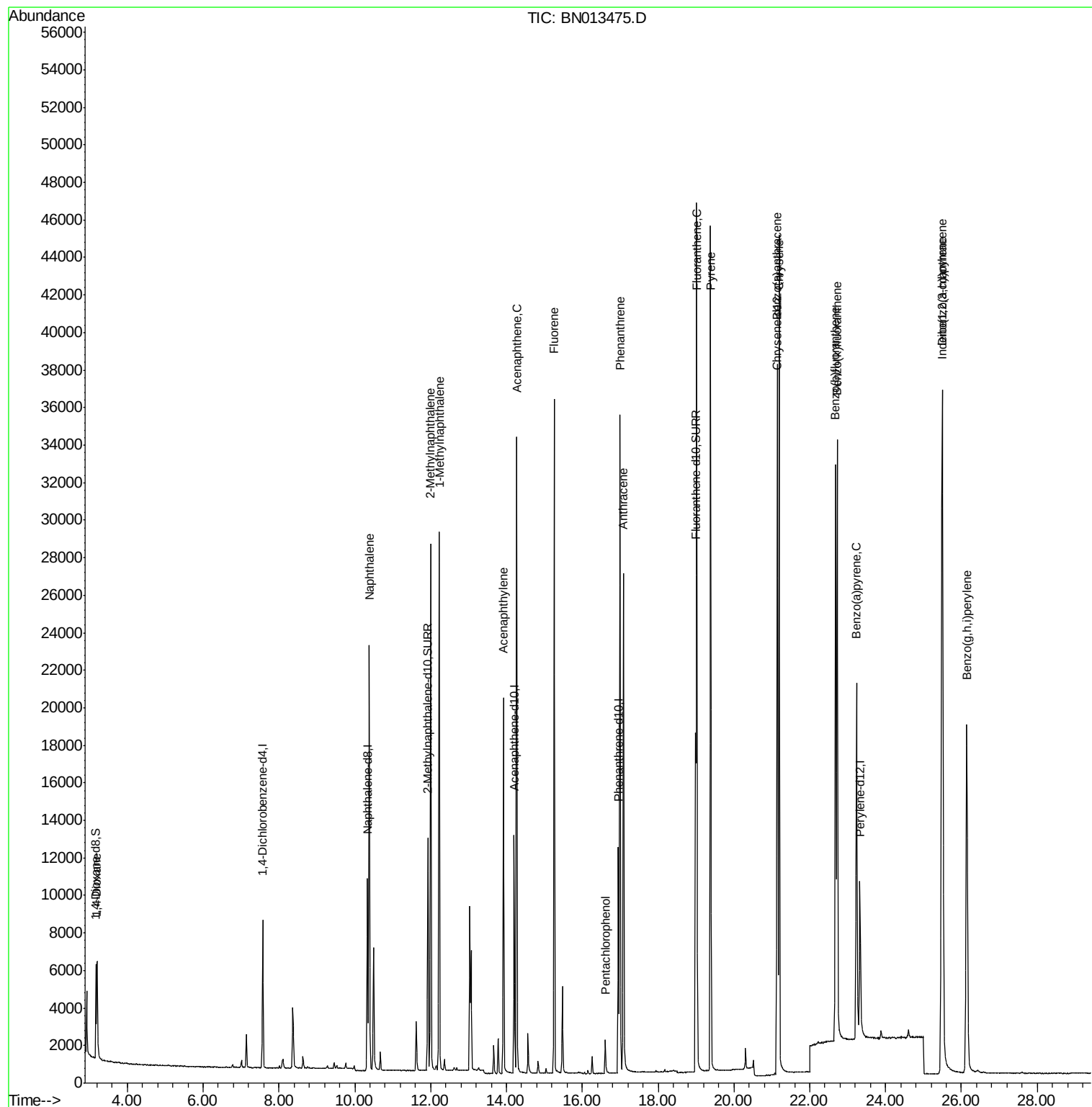
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3830	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	13629	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	6790	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	13882	0.40	ng/ul	0.00
17) Chrysene-d12	21.15	240	12262	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	10596	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	3230	0.81	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	16003	0.82	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	28808	0.91	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.21	88	3260	0.830	ng/ul	92
5) Naphthalene	10.38	128	30648	0.806	ng/ul	99
7) 2-Methylnaphthalene	12.00	142	20612	0.836	ng/ul	100
8) 1-Methylnaphthalene	12.23	142	19762	0.833	ng/ul	100
10) Acenaphthylene	13.92	152	22816	0.808	ng/ul	100
11) Acenaphthene	14.27	153	19644	0.811	ng/ul	99
12) Fluorene	15.26	166	21912	0.800	ng/ul	98
14) Pentachlorophenol	16.61	266	1339	0.617	ng/ul	97
15) Phenanthrene	17.00	178	35716	0.804	ng/ul	99
16) Anthracene	17.08	178	29479	0.797	ng/ul	99
19) Fluoranthene	19.02	202	38552	0.855	ng/ul	99
20) Pyrene	19.39	202	37955	0.821	ng/ul	99
21) Benzo(a)anthracene	21.14	228	30754	0.725	ng/ul	100
22) Chrysene	21.19	228	38377	0.857	ng/ul	100
24) Benzo(b)fluoranthene	22.68	252	36194	0.897	ng/ul	98
25) Benzo(k)fluoranthene	22.72	252	39820	0.900	ng/ul	97
26) Benzo(a)pyrene	23.23	252	28889	0.818	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.48	276	43070	0.923	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.50	278	35187	0.930	ng/ul	98
29) Benzo(a,h,i)perylene	26.14	276	36909	0.935	ng/ul	99

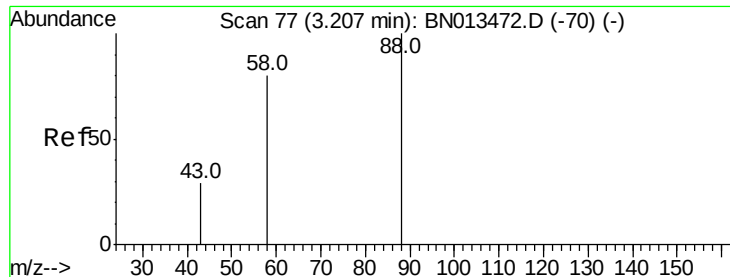
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.830 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.8001

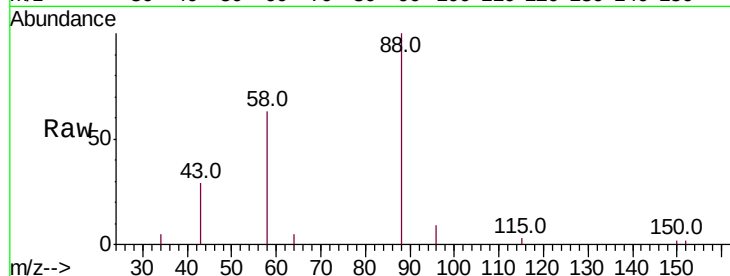
Tot Ion: 88 Resp: 3260

Ion Ratio Lower Upper

88 100

43 28.7 26.9 40.3

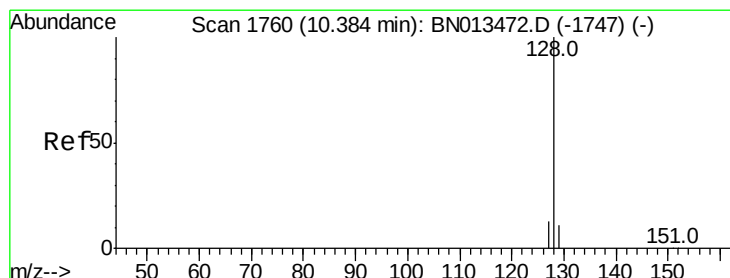
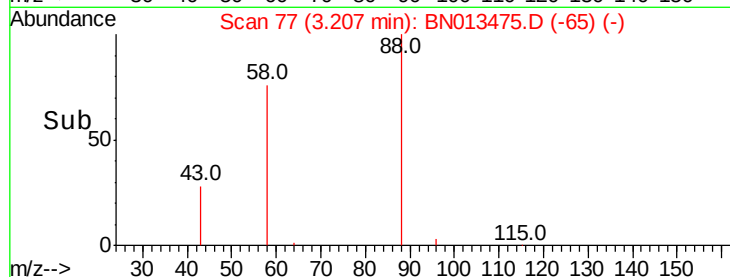
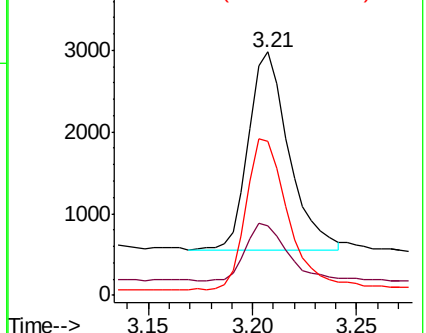
58 63.2 45.8 68.6



Abundance Ion 88.00 (87.70 to 88.70): BN013472.D (-70) (-)

Ion 43.00 (42.70 to 43.70): BN013472.D (-70) (-)

Ion 58.00 (57.70 to 58.70): BN013472.D (-70) (-)



#5

Naphthalene

Concen: 0.806 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

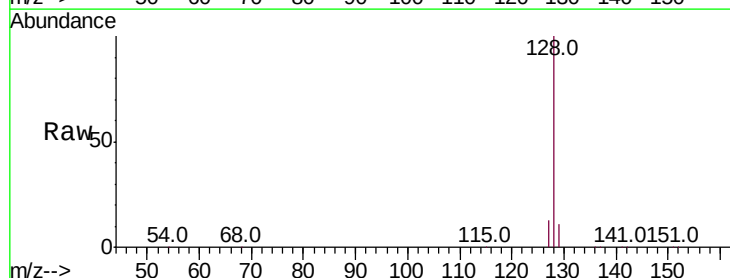
Tgt Ion: 128 Resp: 30648

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

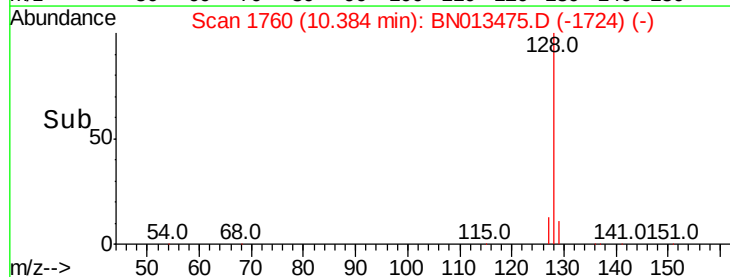
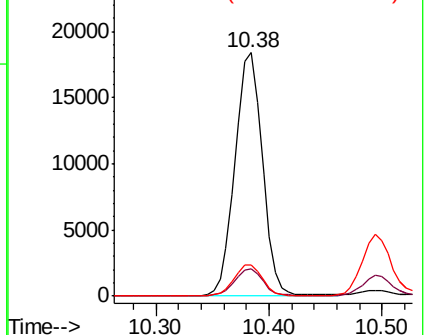
127 12.8 10.7 16.1

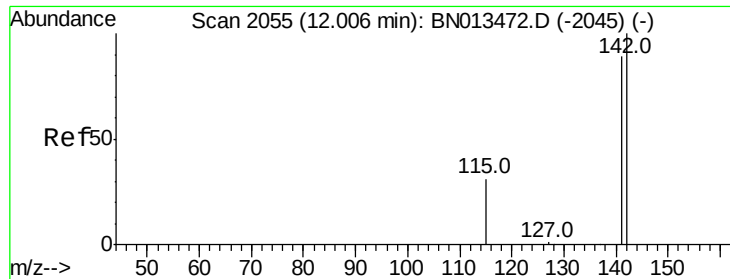


Abundance Ion 128.00 (127.70 to 128.70): BN013472.D (-1747) (-)

Ion 129.00 (128.70 to 129.70): BN013472.D (-1747) (-)

Ion 127.00 (126.70 to 127.70): BN013472.D (-1747) (-)





#7

2-Methylnaphthalene

Concen: 0.836 ng/ul

RT: 12.00 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

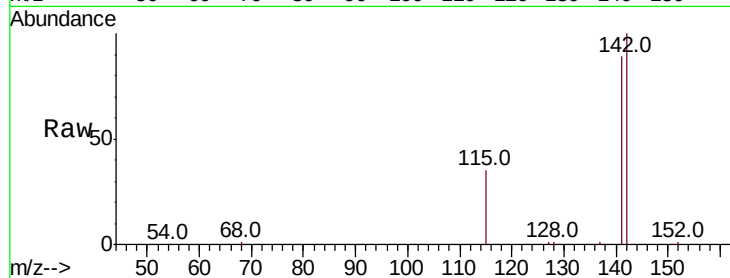
SSTD0.8001

Tot Ion:142 Resp: 20612

Ion Ratio Lower Upper

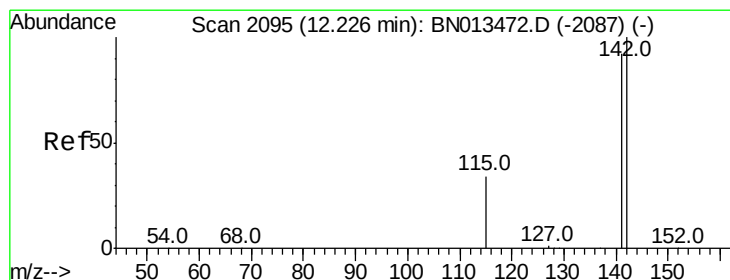
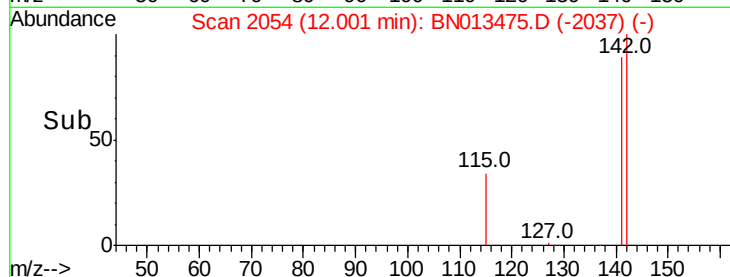
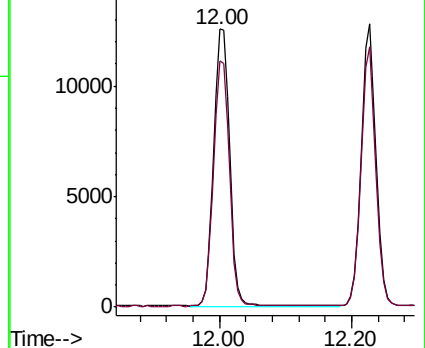
142 100

141 88.3 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: 0.833 ng/ul

RT: 12.23 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN013475.D

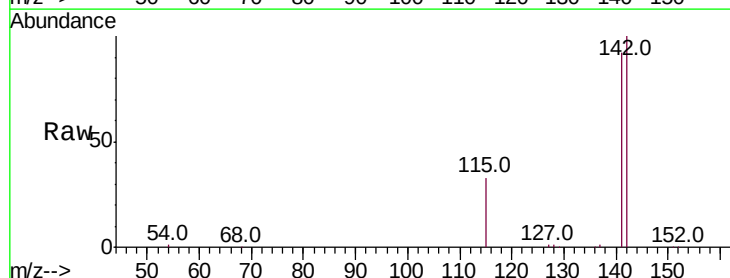
Acq: 25 Jan 2021 19:31

Tgt Ion:142 Resp: 19762

Ion Ratio Lower Upper

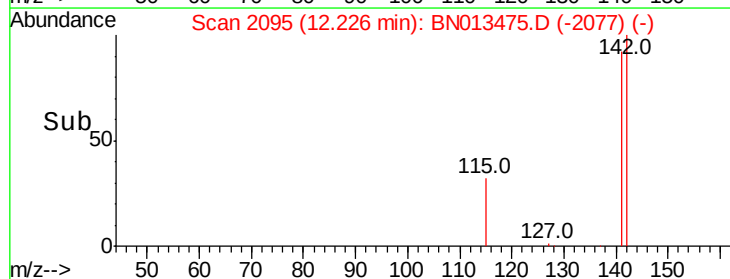
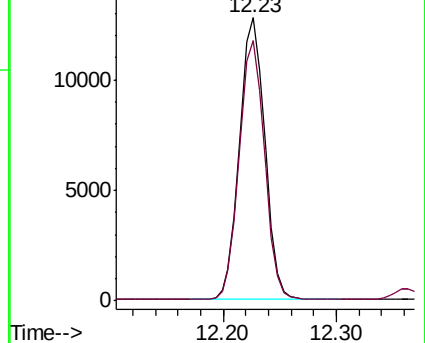
142 100

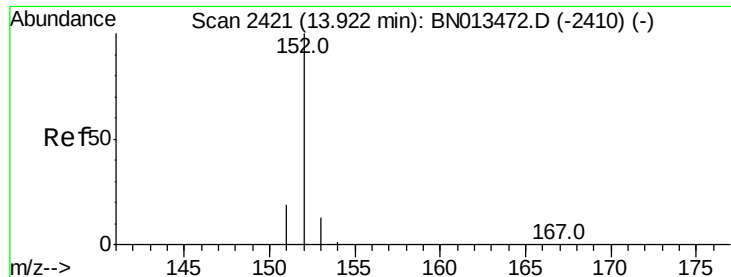
141 91.8 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.808 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.8001

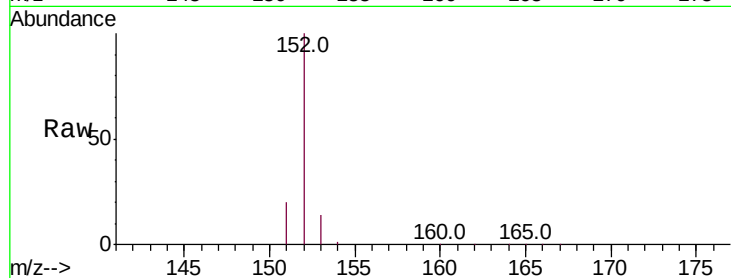
Tot Ion:152 Resp: 22816

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

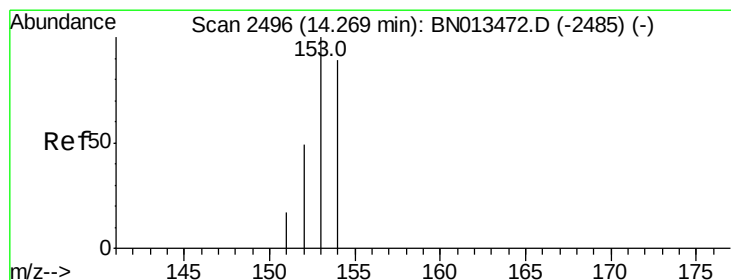
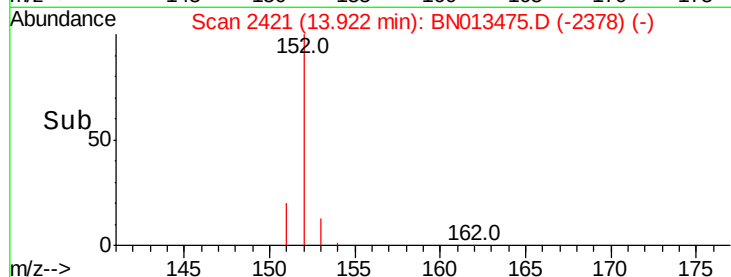
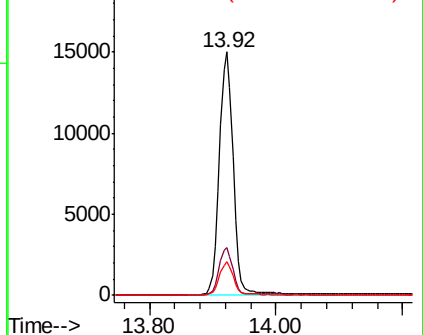
153 13.7 10.7 16.1



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: 0.811 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

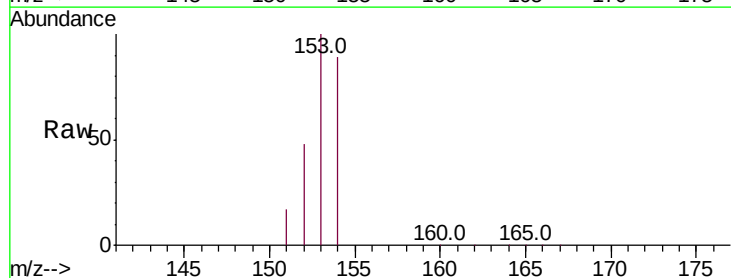
Tgt Ion:153 Resp: 19644

Ion Ratio Lower Upper

153 100

152 48.1 38.9 58.3

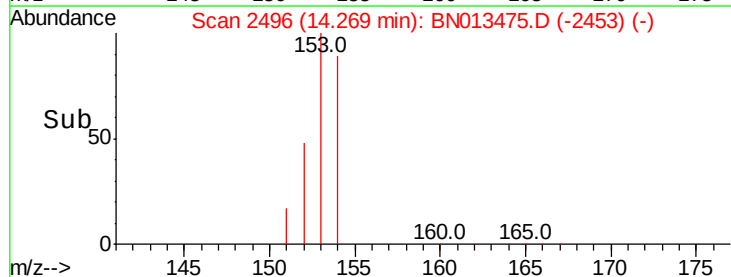
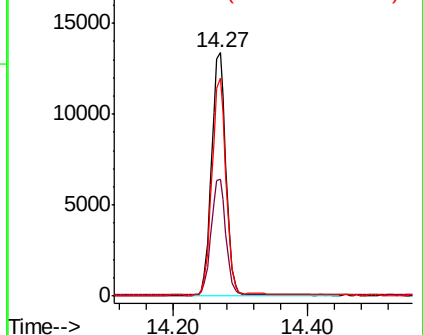
154 89.3 71.0 106.6

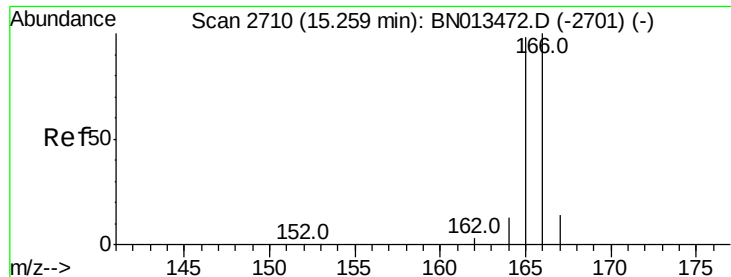


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.800 ng/ul

RT: 15.26 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.8001

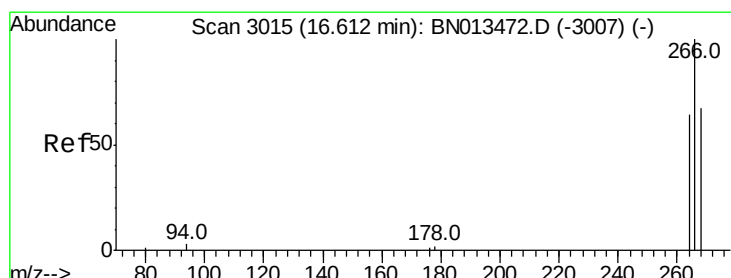
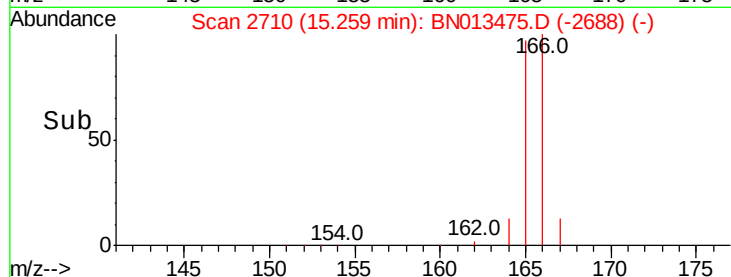
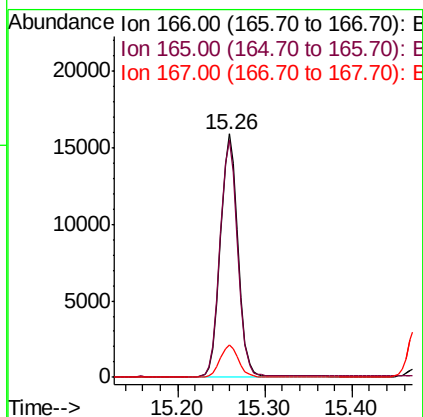
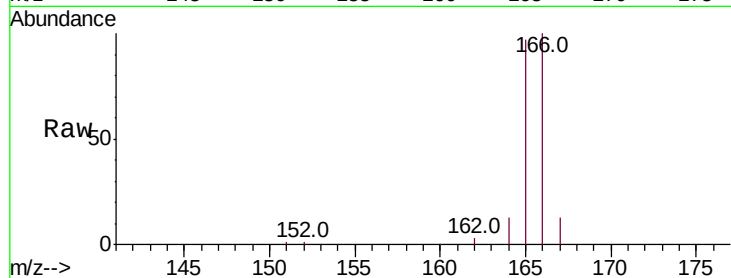
Tot Ion:166 Resp: 21912

Ion Ratio Lower Upper

166 100

165 97.2 76.1 114.1

167 13.5 11.0 16.6



#14

Pentachlorophenol

Concen: 0.617 ng/ul

RT: 16.61 min Scan# 3014

Delta R.T. -0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

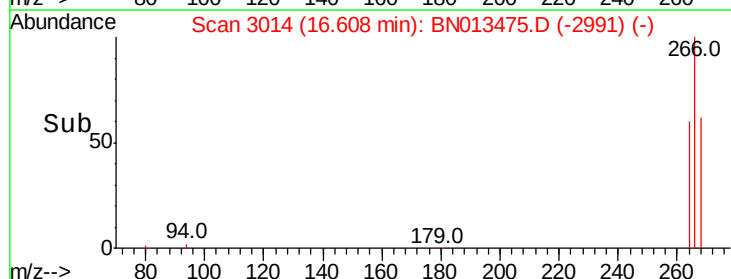
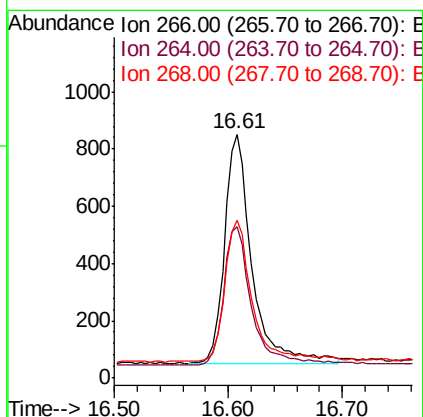
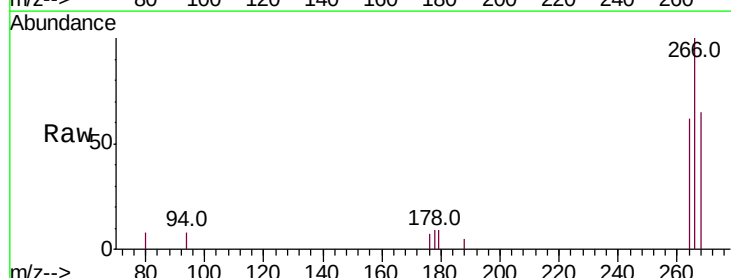
Tgt Ion:266 Resp: 1339

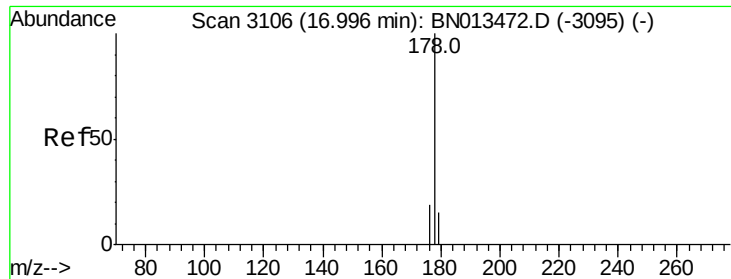
Ion Ratio Lower Upper

266 100

264 61.7 50.0 75.0

268 62.4 52.6 79.0

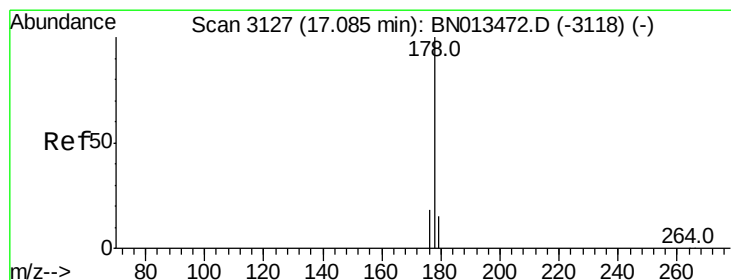
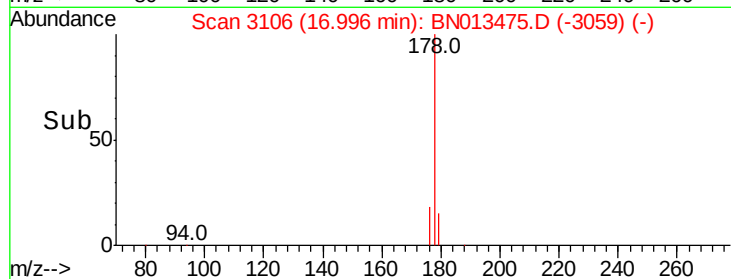
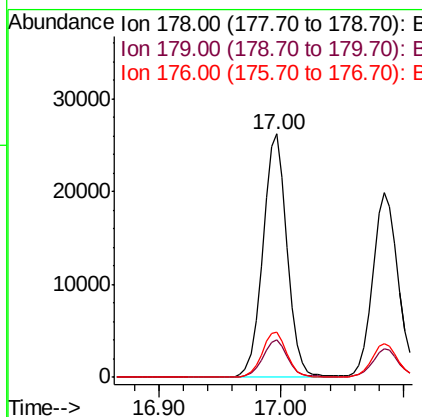
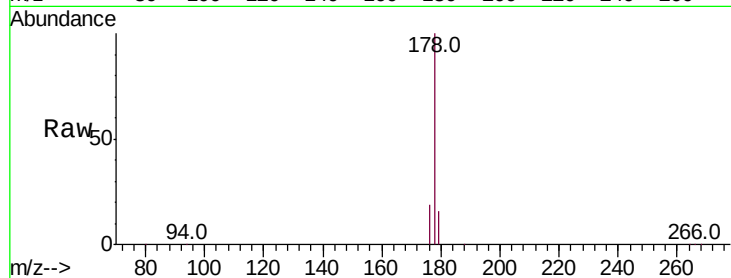




#15
Phenanthrene
Concen: 0.804 ng/ul
RT: 17.00 min Scan# 3106
Delta R.T. 0.00 min
Lab File: BN013475.D
Acq: 25 Jan 2021 19:31

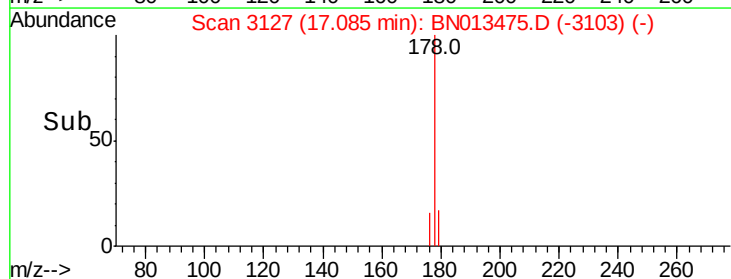
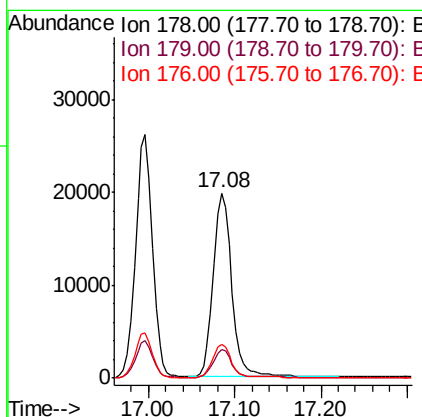
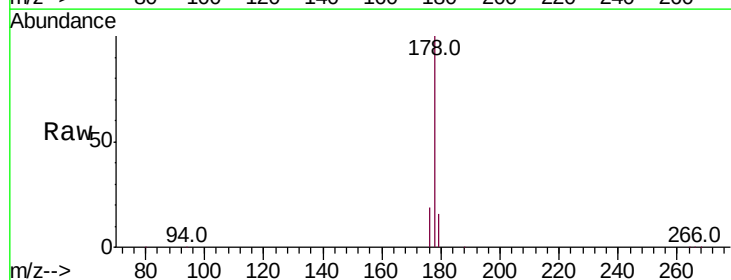
Instrument :
BNA_N
ClientSampleId :
SSTD0.8001

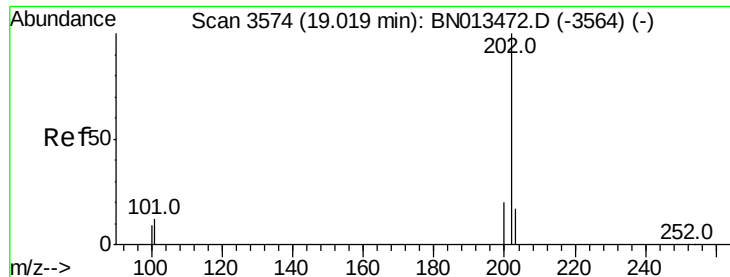
Tot Ion:178 Resp: 35716
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 18.6 15.4 23.0



#16
Anthracene
Concen: 0.797 ng/ul
RT: 17.08 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BN013475.D
Acq: 25 Jan 2021 19:31

Tgt Ion:178 Resp: 29479
Ion Ratio Lower Upper
178 100
179 15.8 12.6 18.8
176 18.5 14.4 21.6





#19

Fluoranthene

Concen: 0.855 ng/ul

RT: 19.02 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.8001

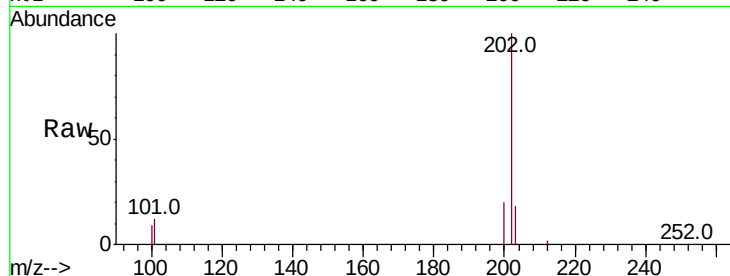
Tot Ion:202 Resp: 38552

Ion Ratio Lower Upper

202 100

101 11.6 8.9 13.3

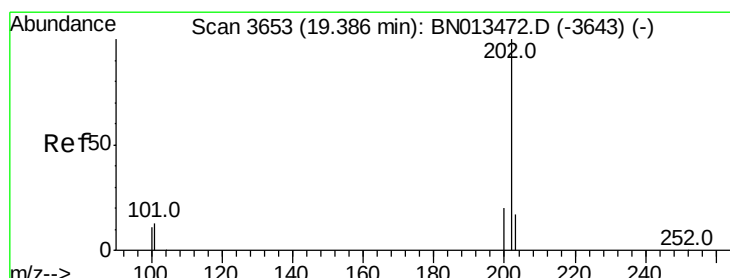
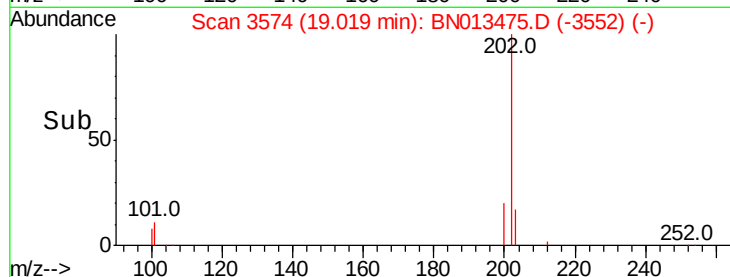
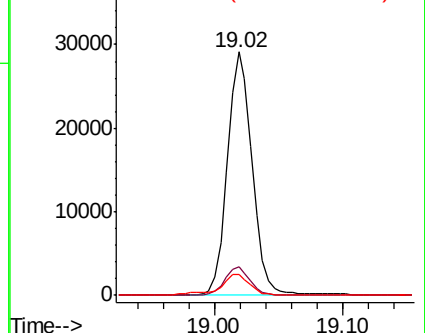
100 8.6 6.6 10.0



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: 0.821 ng/ul

RT: 19.39 min Scan# 3653

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

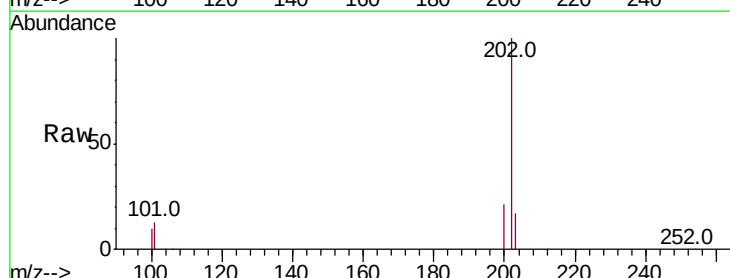
Tgt Ion:202 Resp: 37955

Ion Ratio Lower Upper

202 100

101 12.7 10.3 15.5

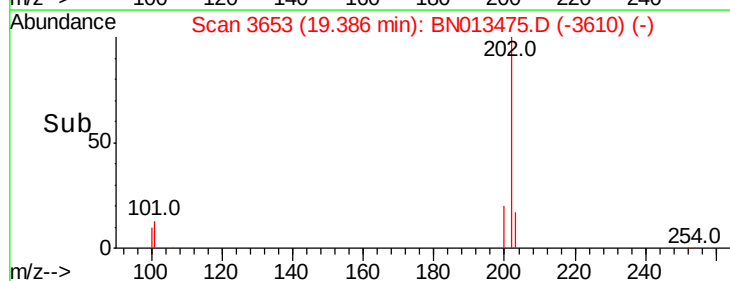
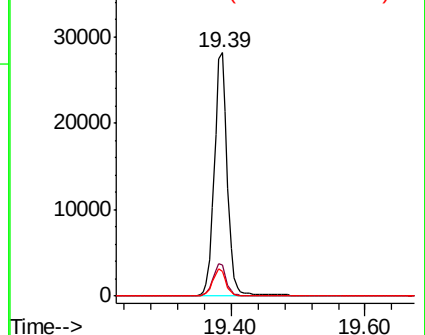
100 10.1 8.6 13.0

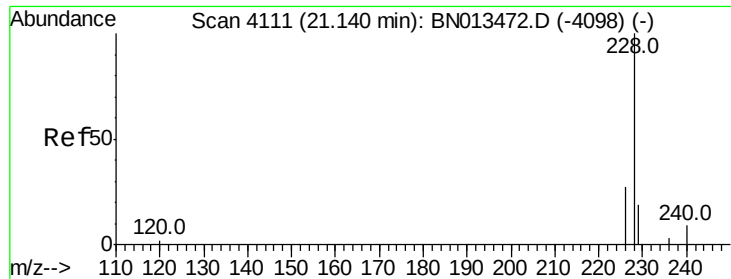


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

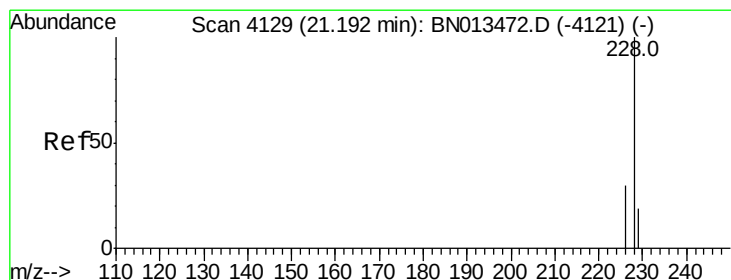
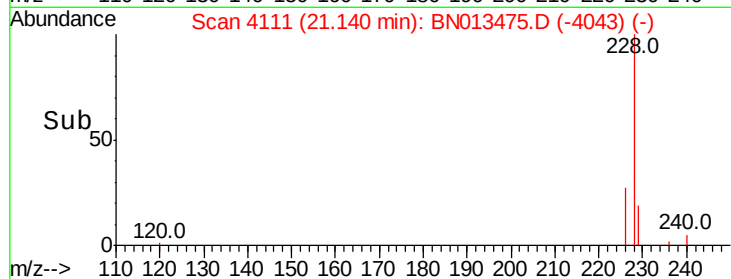
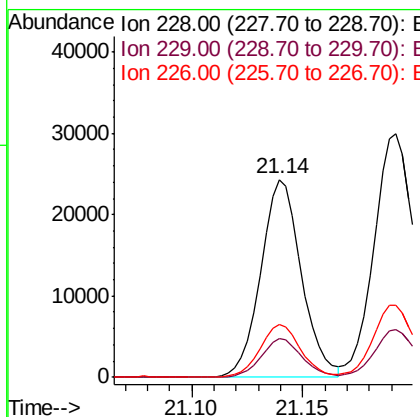
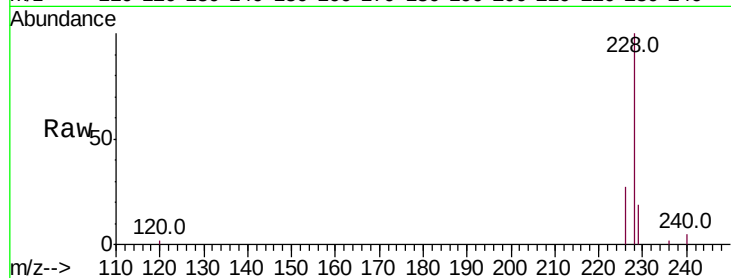




#21
Benzo(a)anthracene
Concen: 0.725 ng/ul
RT: 21.14 min Scan# 4111
Delta R.T. 0.00 min
Lab File: BN013475.D
Acq: 25 Jan 2021 19:31

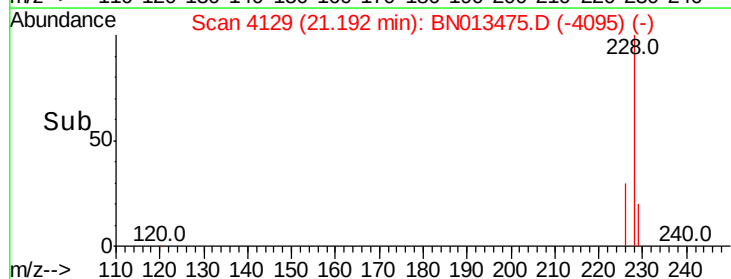
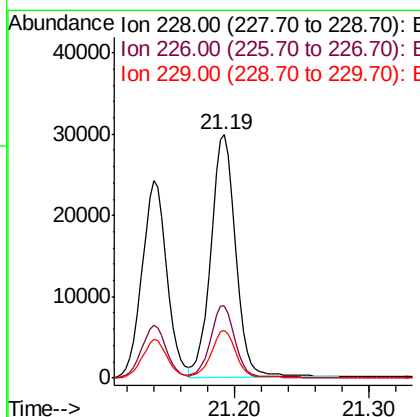
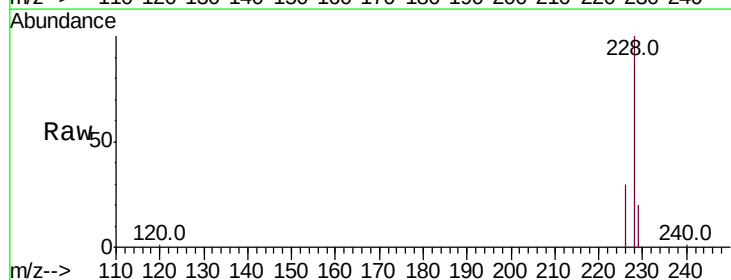
Instrument :
BNA_N
ClientSampleId :
SSTD0.8001

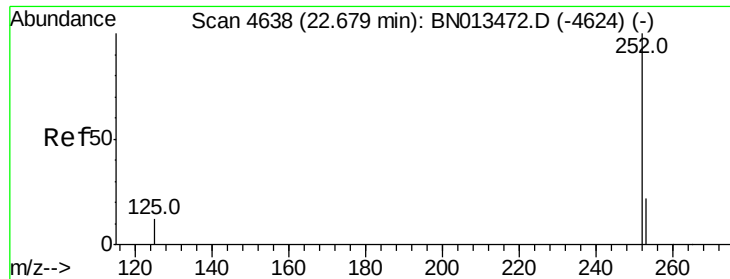
Tot Ion:228 Resp: 30754
Ion Ratio Lower Upper
228 100
229 19.4 15.5 23.3
226 26.9 21.6 32.4



#22
Chrysene
Concen: 0.857 ng/ul
RT: 21.19 min Scan# 4129
Delta R.T. 0.00 min
Lab File: BN013475.D
Acq: 25 Jan 2021 19:31

Tgt Ion:228 Resp: 38377
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 19.6 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.897 ng/ul

RT: 22.68 min Scan# 4638

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.8001

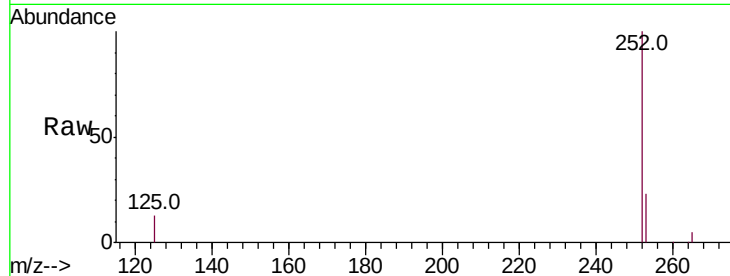
Tot Ion:252 Resp: 36194

Ion Ratio Lower Upper

252 100

253 22.6 0.0 46.6

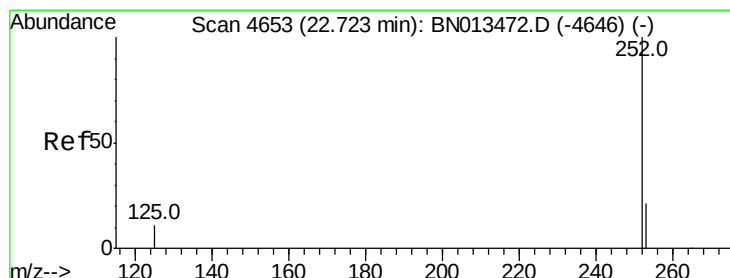
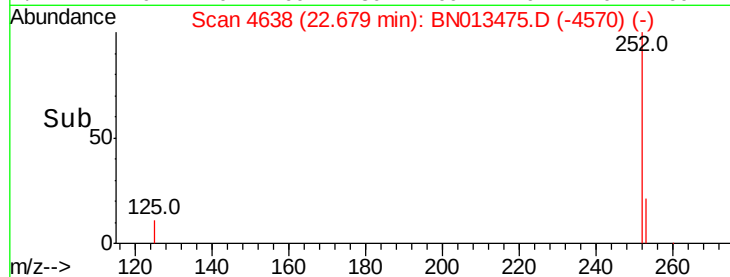
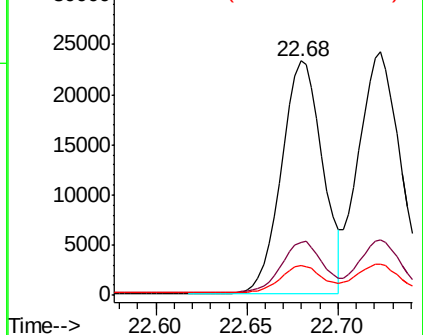
125 12.6 0.0 27.2



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: 0.900 ng/ul

RT: 22.72 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

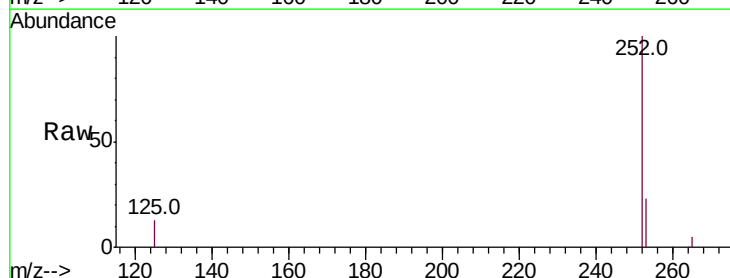
Tgt Ion:252 Resp: 39820

Ion Ratio Lower Upper

252 100

253 22.8 19.0 28.4

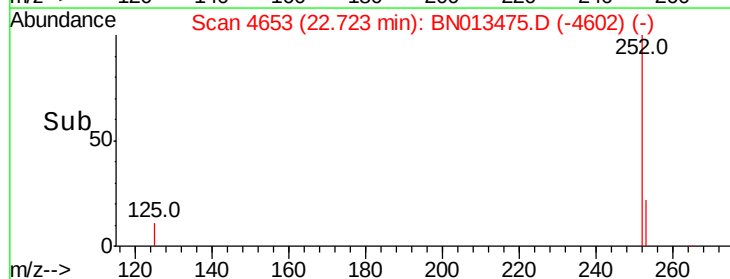
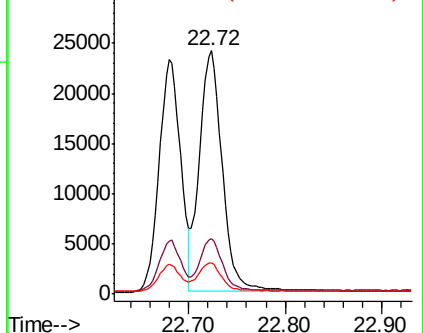
125 12.6 11.3 16.9

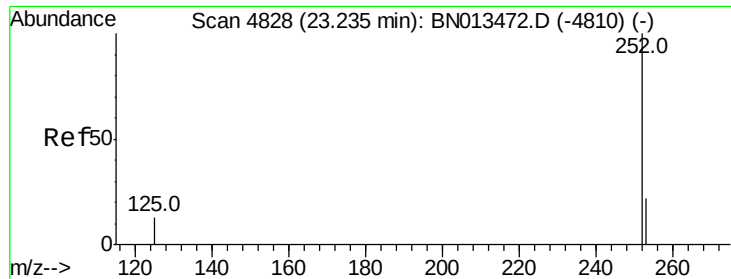


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.818 ng/ul

RT: 23.23 min Scan# 4827

Delta R.T. -0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.8001

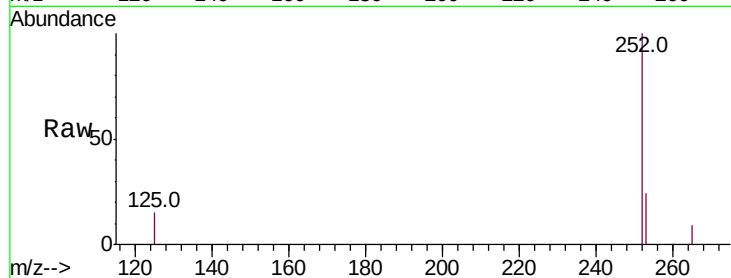
Tot Ion:252 Resp: 28889

Ion Ratio Lower Upper

252 100

253 23.5 19.8 29.8

125 14.8 13.1 19.7

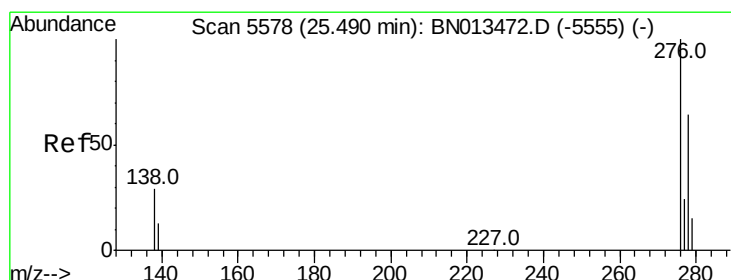
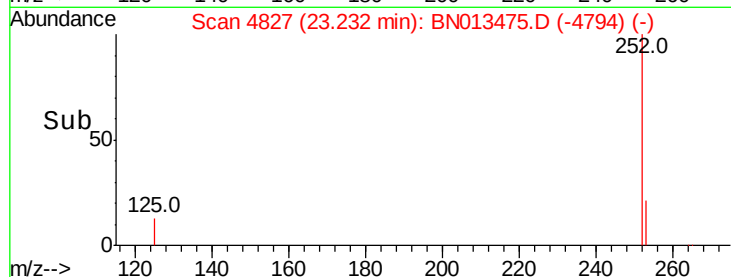
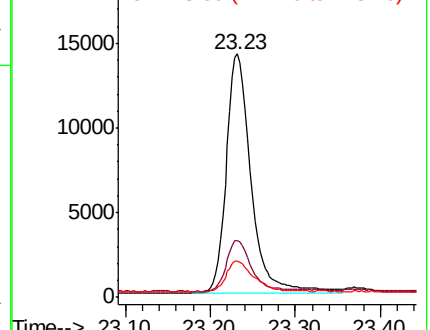


Abundance

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: 0.923 ng/ul

RT: 25.48 min Scan# 5576

Delta R.T. -0.01 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

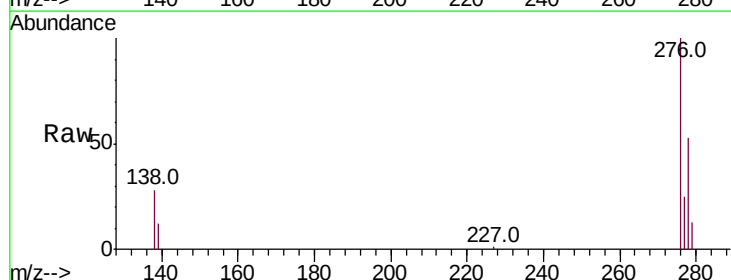
Tgt Ion:276 Resp: 43070

Ion Ratio Lower Upper

276 100

138 29.8 17.2 25.8#

227 0.2 0.0 0.0#

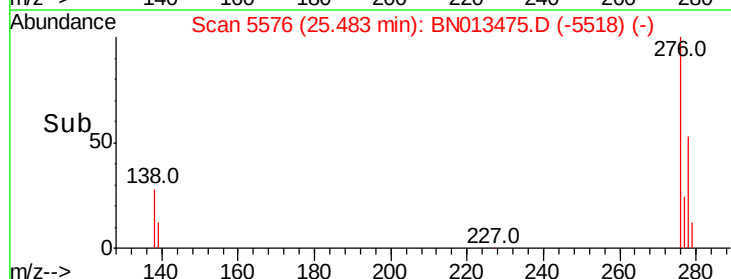
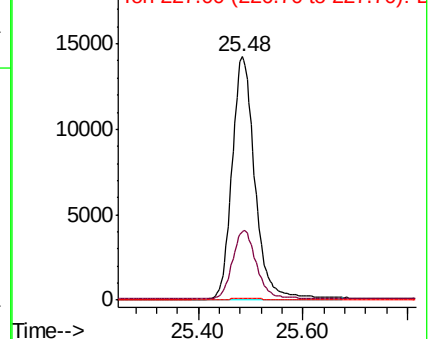


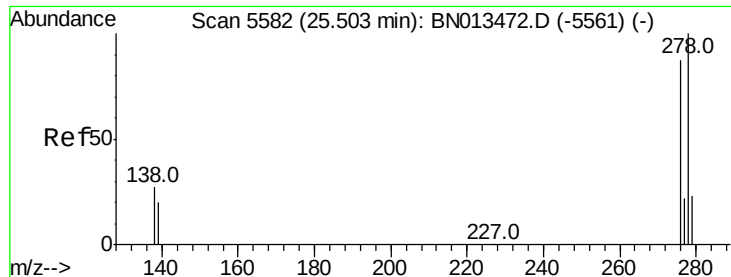
Abundance

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: 0.930 ng/ul

RT: 25.50 min Scan# 5581

Delta R.T. -0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.8001

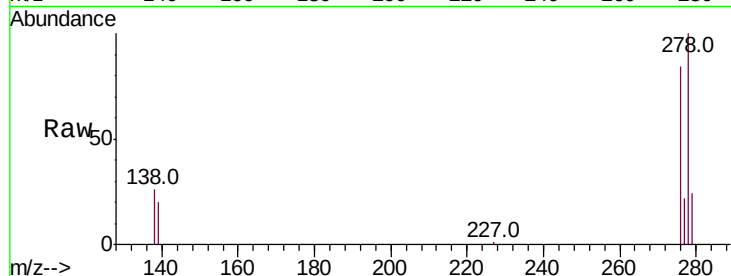
Tot Ion:278 Resp: 35187

Ion Ratio Lower Upper

278 100

139 19.5 16.2 24.2

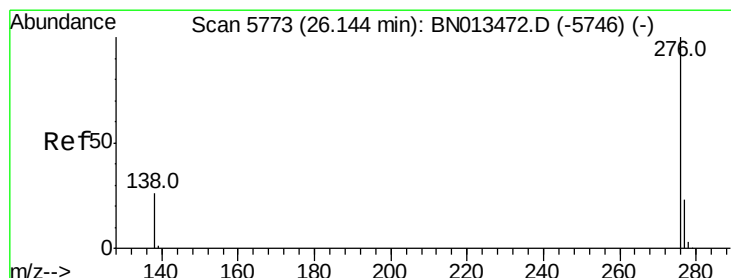
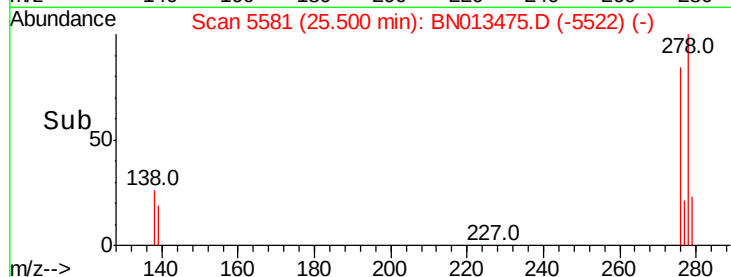
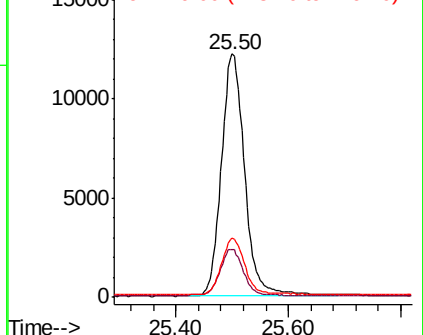
279 24.3 20.3 30.5



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: 0.935 ng/ul

RT: 26.14 min Scan# 5772

Delta R.T. -0.00 min

Lab File: BN013475.D

Acq: 25 Jan 2021 19:31

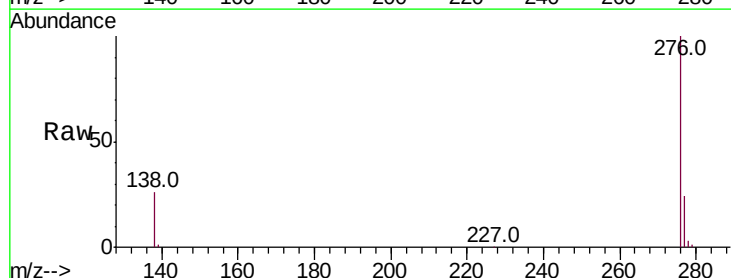
Tgt Ion:276 Resp: 36909

Ion Ratio Lower Upper

276 100

138 25.9 20.2 30.2

277 23.9 19.7 29.5



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

