

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051221\
 Data File : BN014582.D
 Acq On : 12 May 2021 18:26
 Operator : CG/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.2008

Quant Time: May 12 19:01:20 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 14:39:16 2021
 Response via : Initial Calibration

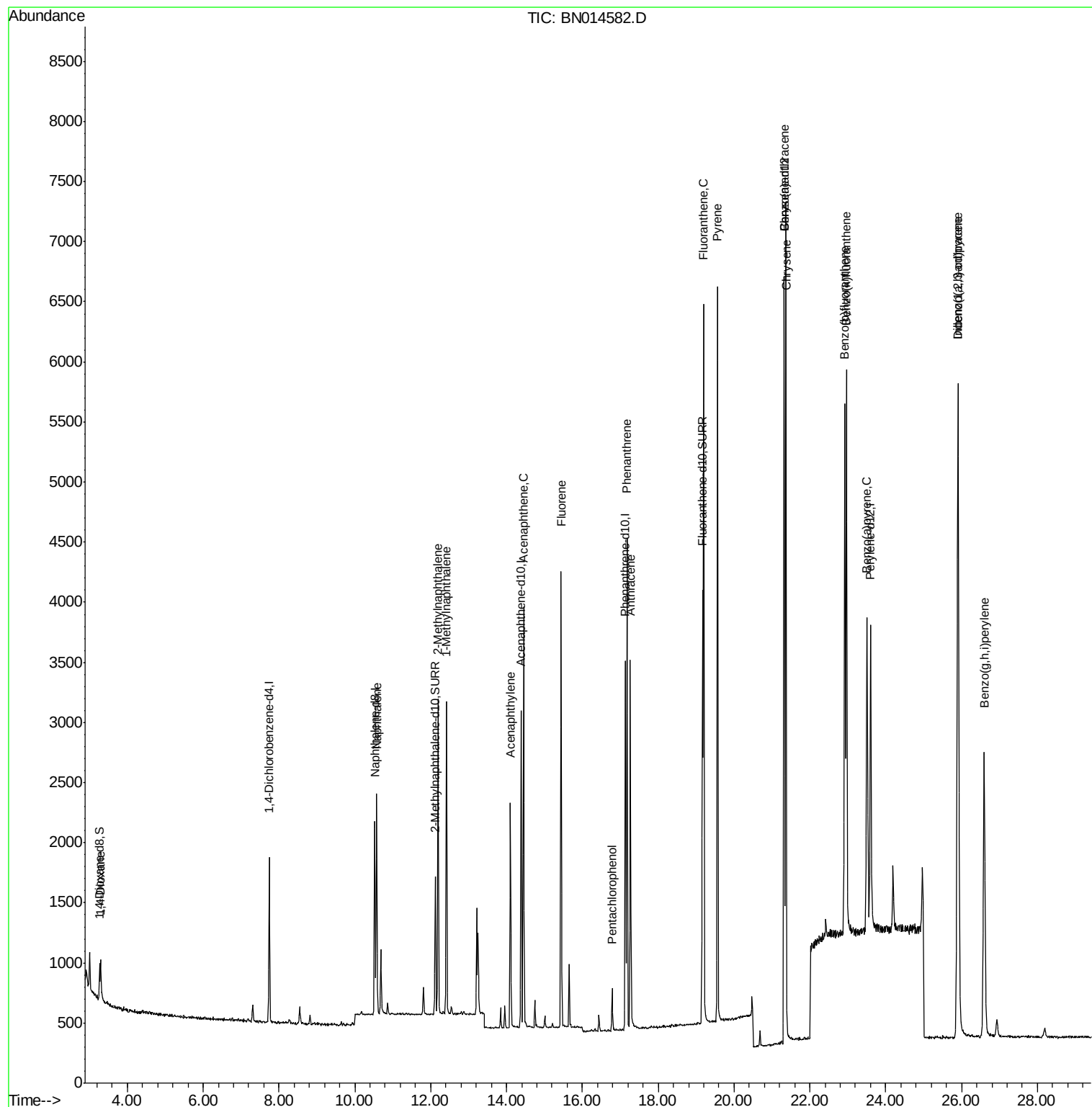
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	647	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	2185	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	1418	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.14	188	3545	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3980	0.40	ng/ul	0.00
23) Perylene-d12	23.60	264	3543	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	272	0.41	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1490	0.40	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	4276	0.40	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.30	88	249	0.337	ng/ul	96
5) Naphthalene	10.58	128	2519	0.400	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	1818	0.403	ng/ul	99
8) 1-Methylnaphthalene	12.41	142	1752	0.404	ng/ul	96
10) Acenaphthylene	14.10	152	2122	0.392	ng/ul	99
11) Acenaphthene	14.45	153	1968	0.405	ng/ul	98
12) Fluorene	15.44	166	2363	0.403	ng/ul	98
14) Pentachlorophenol	16.78	266	238	0.342	ng/ul	94
15) Phenanthrene	17.18	178	4227	0.395	ng/ul	98
16) Anthracene	17.27	178	3430	0.387	ng/ul	99
19) Fluoranthene	19.20	202	5151	0.396	ng/ul	99
20) Pyrene	19.56	202	5143	0.399	ng/ul	99
21) Benzo(a)anthracene	21.32	228	4589	0.381	ng/ul	100
22) Chrysene	21.37	228	5734	0.400	ng/ul	99
24) Benzo(b)fluoranthene	22.92	252	5576	0.376	ng/ul	99
25) Benzo(k)fluoranthene	22.96	252	6365	0.411	ng/ul	100
26) Benzo(a)pyrene	23.50	252	4521	0.387	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.90	276	7127	0.417	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.91	278	5781	0.411	ng/ul	99
29) Benzo(a,h,i)perylene	26.59	276	5522	0.388	ng/ul	99

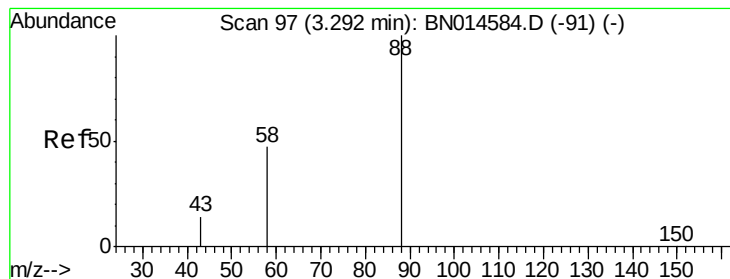
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.337 ng/ul

RT: 3.30 min Scan# 99

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

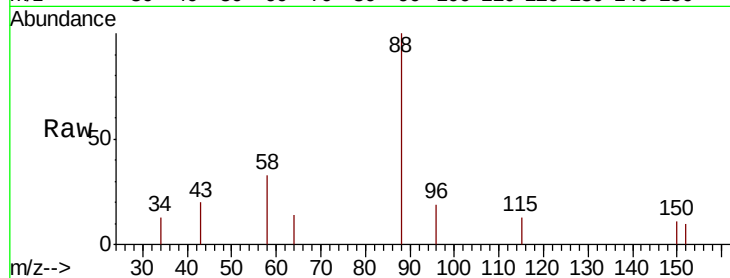
Tot Ion: 88 Resp: 249

Ion Ratio Lower Upper

88 100

43 20.1 15.7 23.5

58 32.6 23.8 35.6

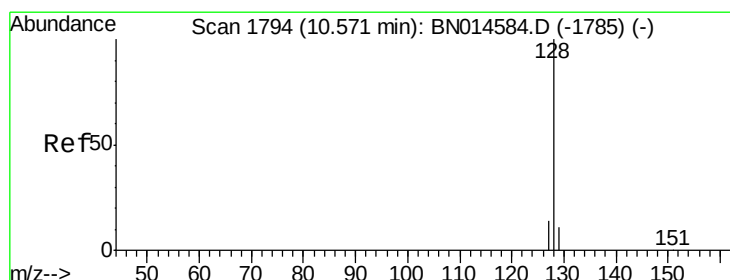
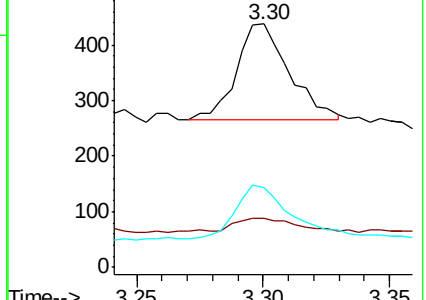
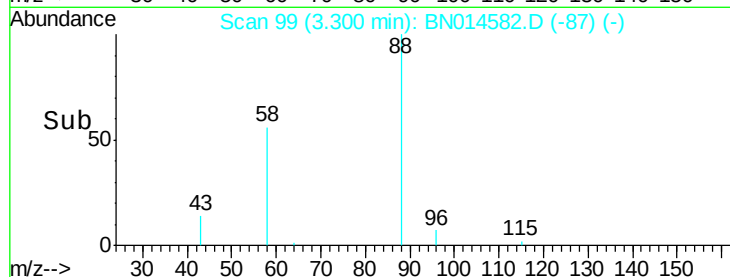


Abundance Ion 88.00 (87.70 to 88.70): BN014584.D (-91) (-)

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: 0.400 ng/ul

RT: 10.58 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

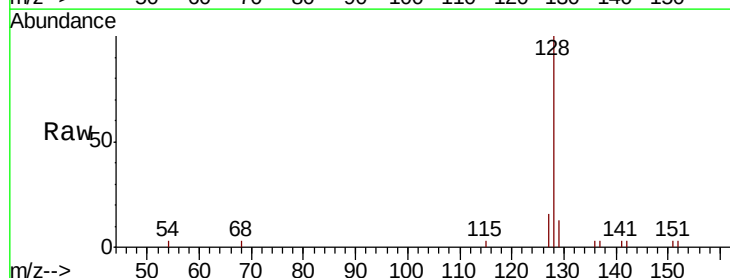
Tgt Ion: 128 Resp: 2519

Ion Ratio Lower Upper

128 100

129 13.0 11.6 17.4

127 15.9 13.3 19.9

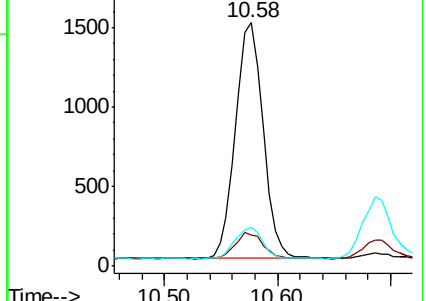
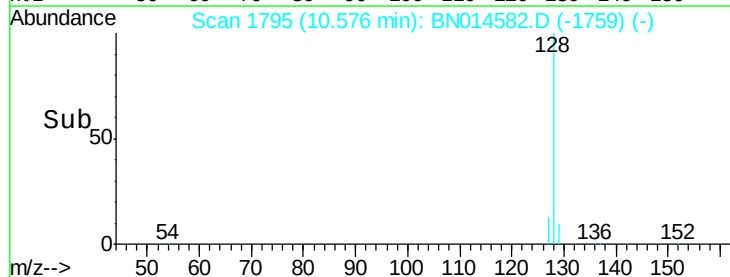


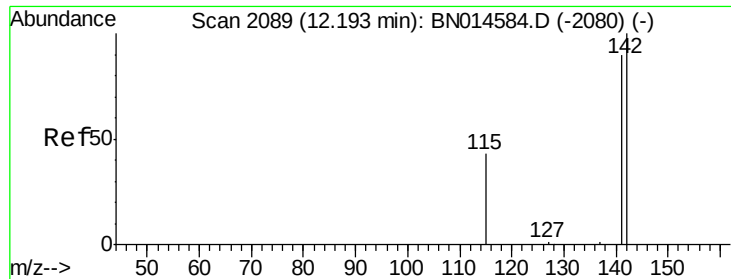
Abundance Ion 128.00 (127.70 to 128.70): BN014584.D (-1785) (-)

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: 0.403 ng/ul

RT: 12.19 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

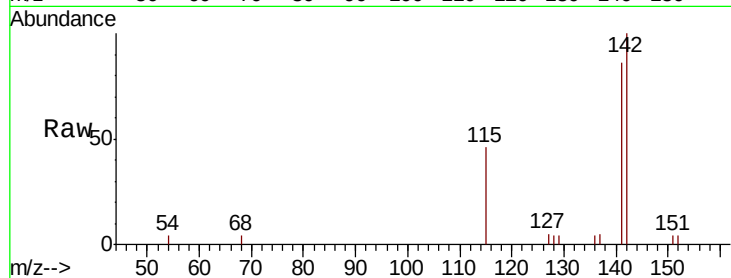
SSTD3.2008

Tot Ion:142 Resp: 1818

Ion Ratio Lower Upper

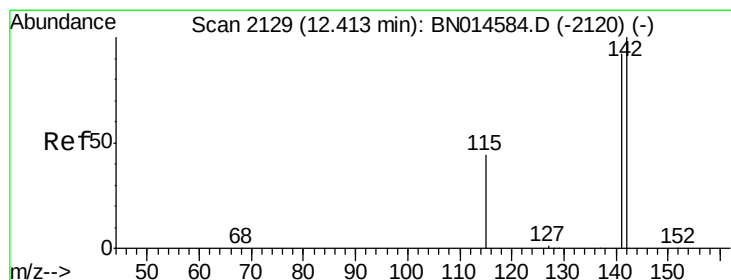
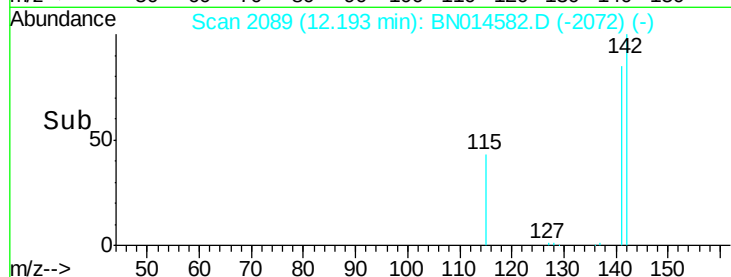
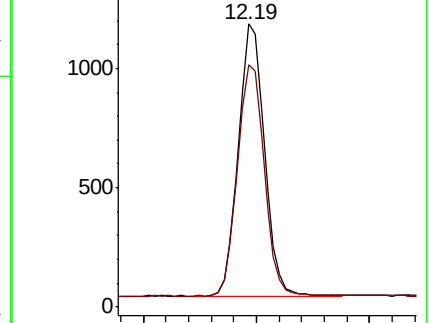
142 100

141 87.7 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: 0.404 ng/ul

RT: 12.41 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BN014582.D

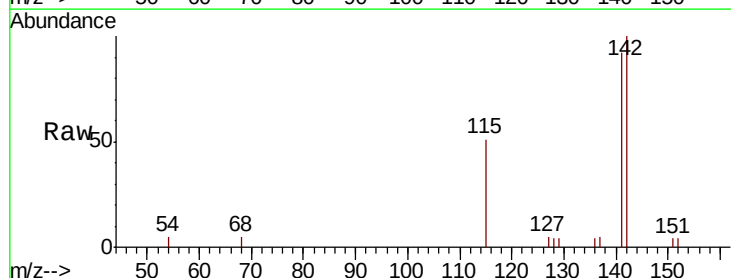
Acq: 12 May 2021 18:26

Tgt Ion:142 Resp: 1752

Ion Ratio Lower Upper

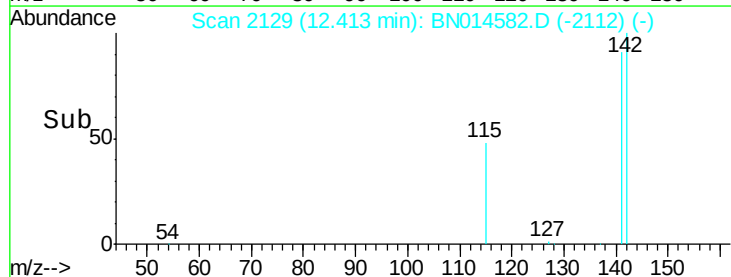
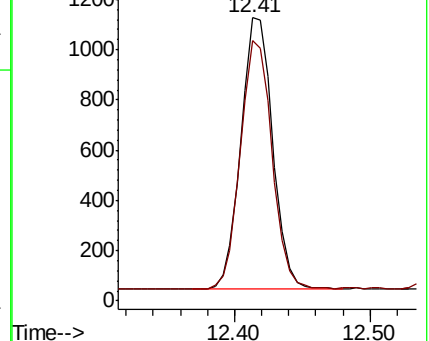
142 100

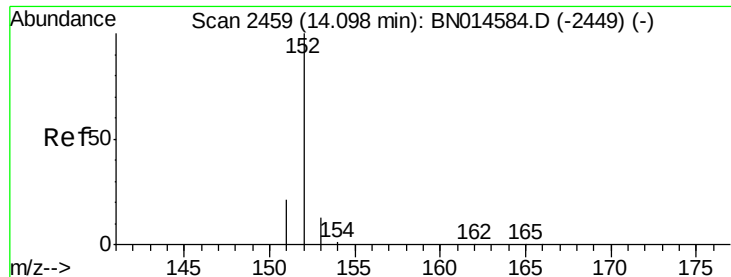
141 91.2 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.392 ng/ul

RT: 14.10 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

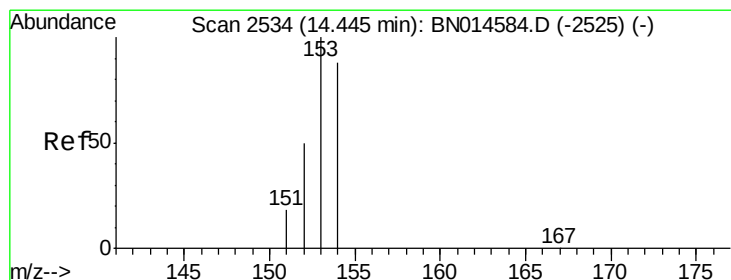
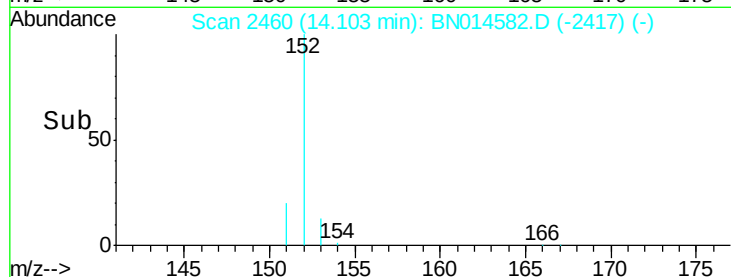
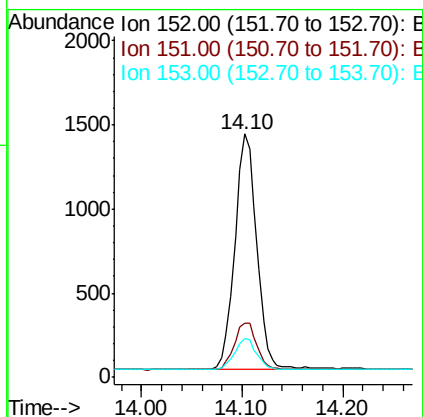
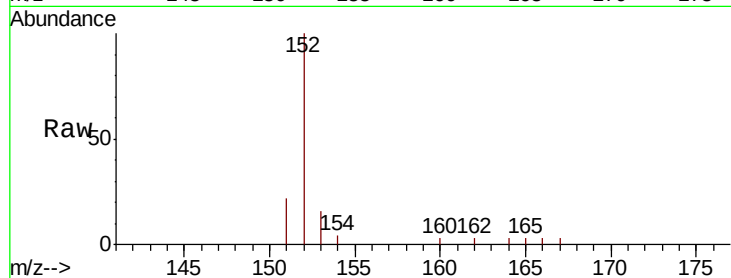
Tot Ion:152 Resp: 2122

Ion Ratio Lower Upper

152 100

151 22.3 18.2 27.2

153 15.9 12.8 19.2



#11

Acenaphthene

Concen: 0.405 ng/ul

RT: 14.45 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

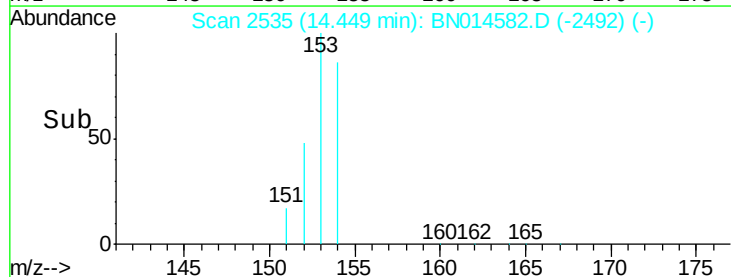
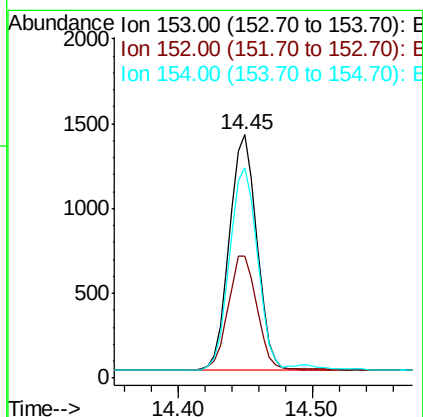
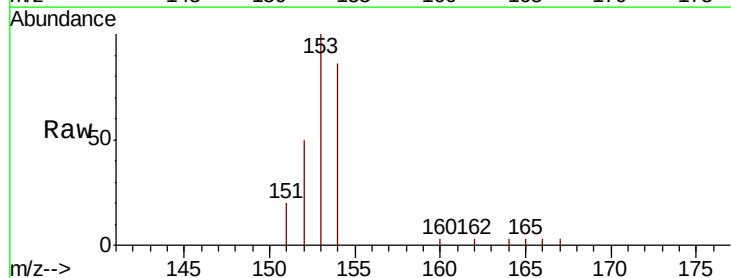
Tgt Ion:153 Resp: 1968

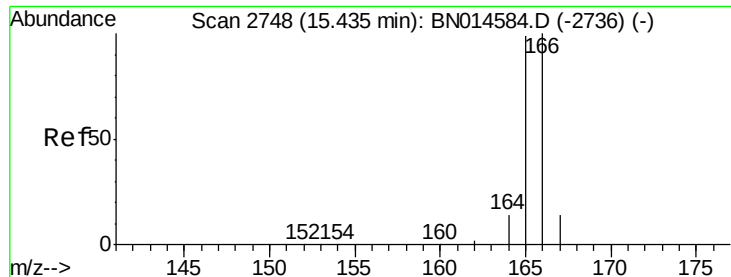
Ion Ratio Lower Upper

153 100

152 50.0 40.9 61.3

154 86.1 70.7 106.1





#12

Fluorene

Concen: 0.403 ng/ul

RT: 15.44 min Scan# 2749

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

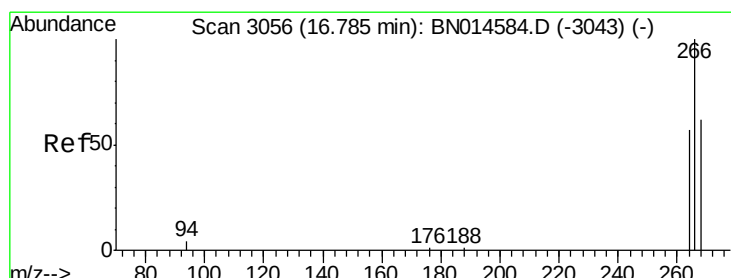
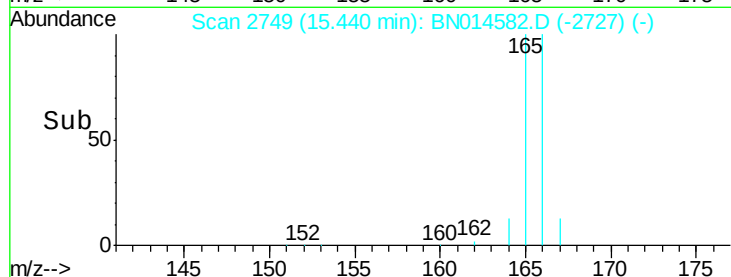
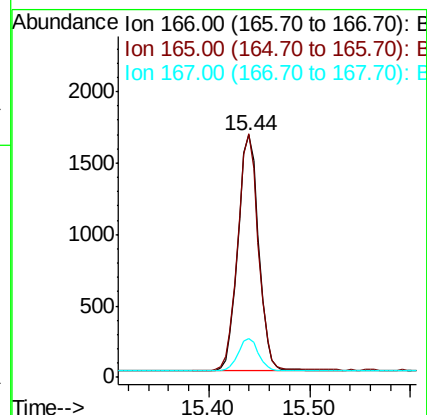
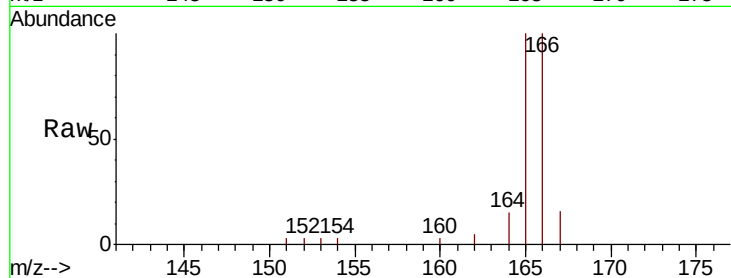
Tot Ion:166 Resp: 2363

Ion Ratio Lower Upper

166 100

165 100.5 78.6 118.0

167 15.8 13.2 19.8



#14

Pentachlorophenol

Concen: 0.342 ng/ul

RT: 16.78 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

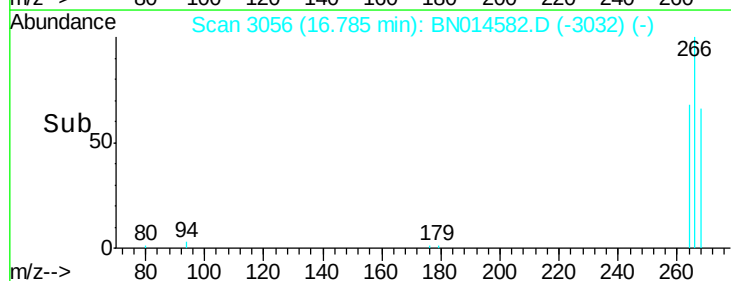
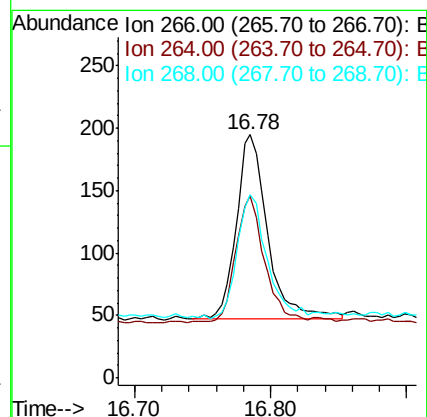
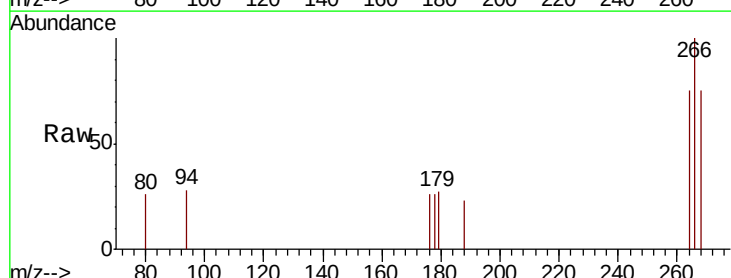
Tgt Ion:266 Resp: 238

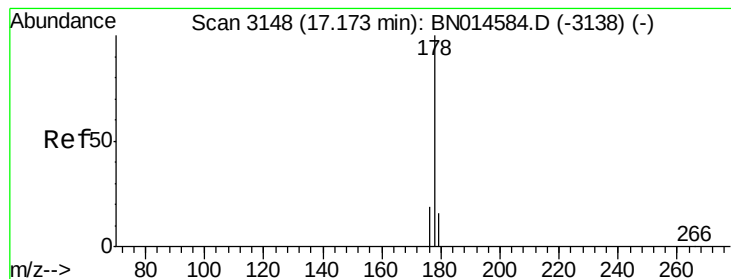
Ion Ratio Lower Upper

266 100

264 63.4 49.4 74.2

268 68.9 49.1 73.7





#15

Phenanthrene

Concen: 0.395 ng/ul

RT: 17.18 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

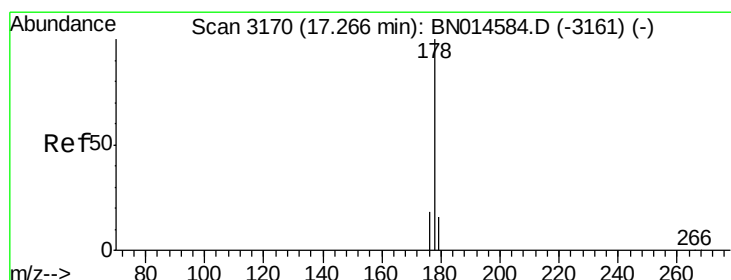
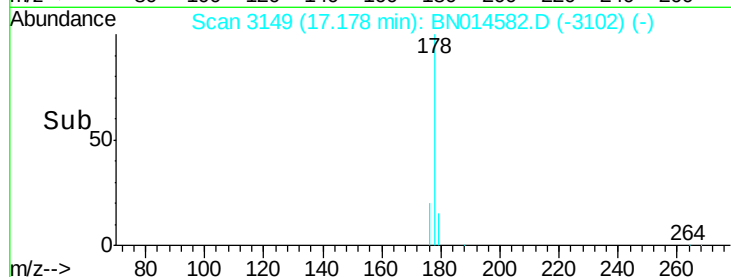
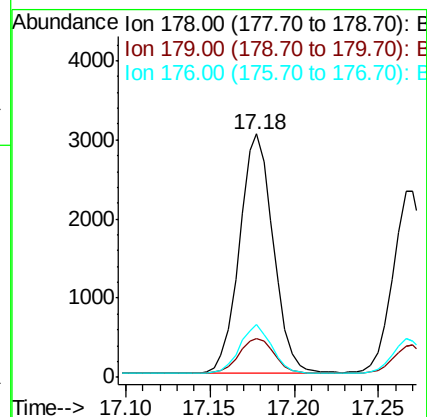
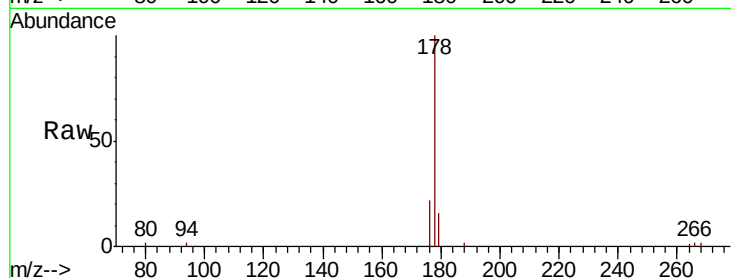
Tot Ion:178 Resp: 4227

Ion Ratio Lower Upper

178 100

179 16.1 14.1 21.1

176 21.6 16.9 25.3



#16

Anthracene

Concen: 0.387 ng/ul

RT: 17.27 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

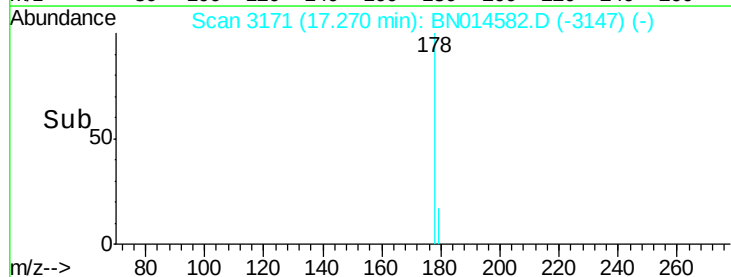
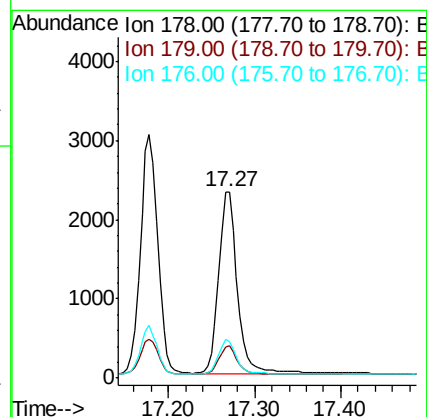
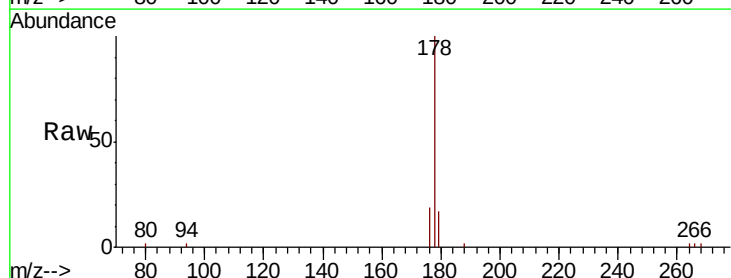
Tgt Ion:178 Resp: 3430

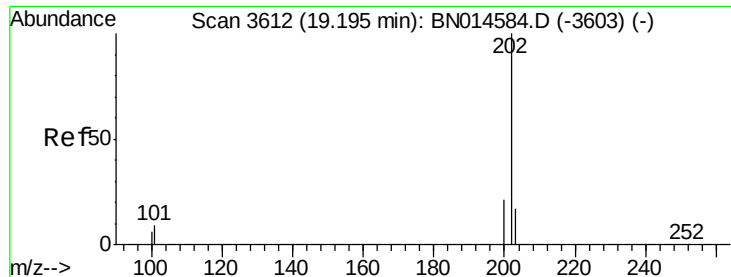
Ion Ratio Lower Upper

178 100

179 17.2 14.1 21.1

176 19.4 15.8 23.6





#19

Fluoranthene

Concen: 0.396 ng/ul

RT: 19.20 min Scan# 3613

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

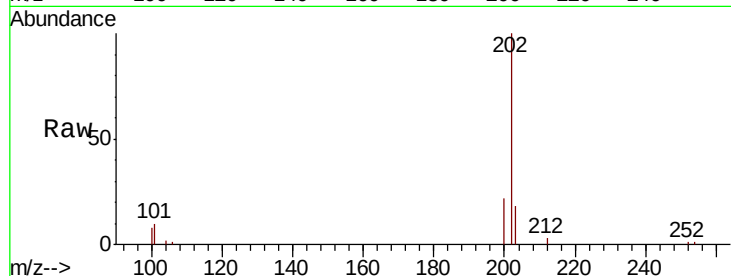
Tot Ion:202 Resp: 5151

Ion Ratio Lower Upper

202 100

101 10.3 8.3 12.5

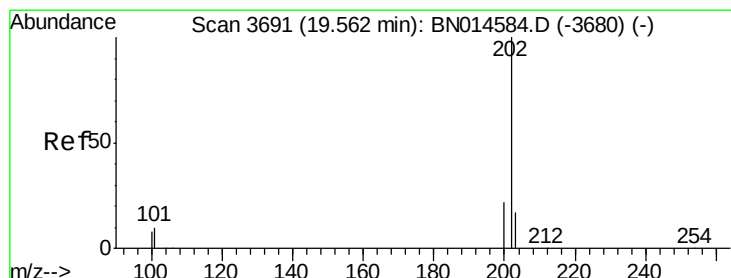
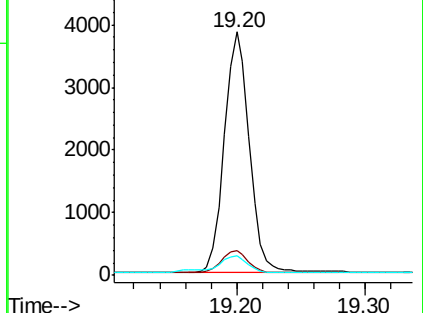
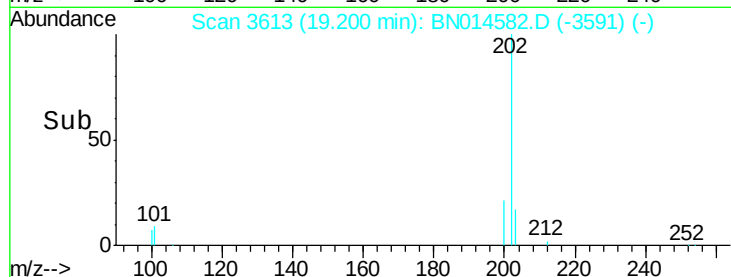
100 7.8 6.7 10.1



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: 0.399 ng/ul

RT: 19.56 min Scan# 3691

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

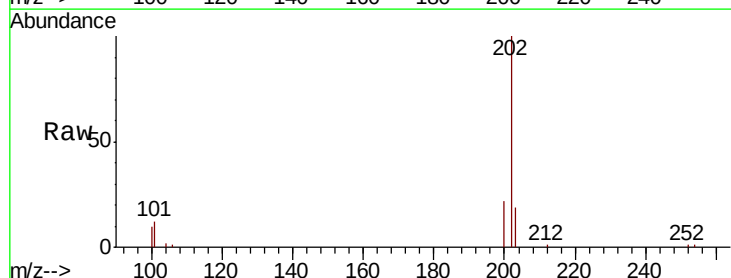
Tgt Ion:202 Resp: 5143

Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.0

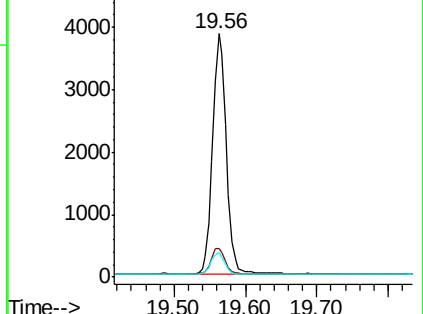
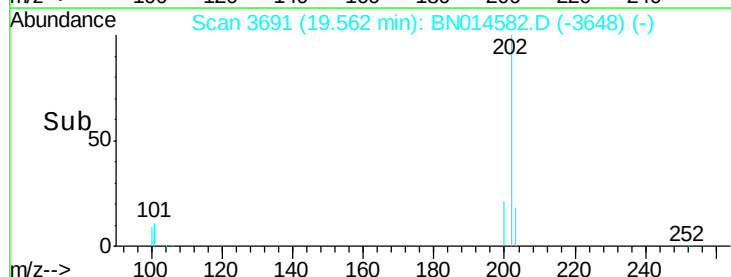
100 10.1 8.2 12.4

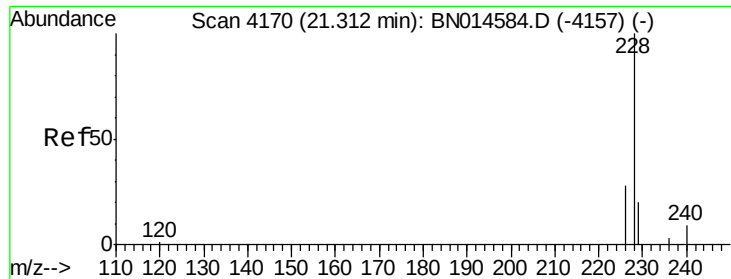


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.381 ng/ul

RT: 21.32 min Scan# 4172

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

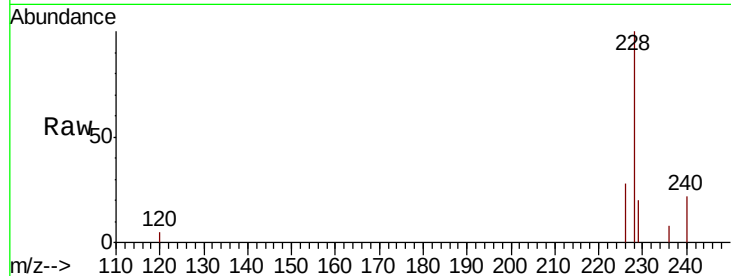
Tot Ion:228 Resp: 4589

Ion Ratio Lower Upper

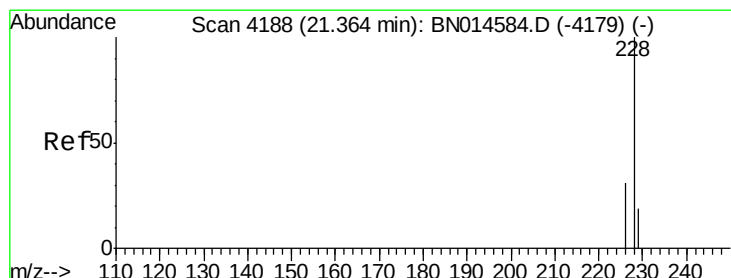
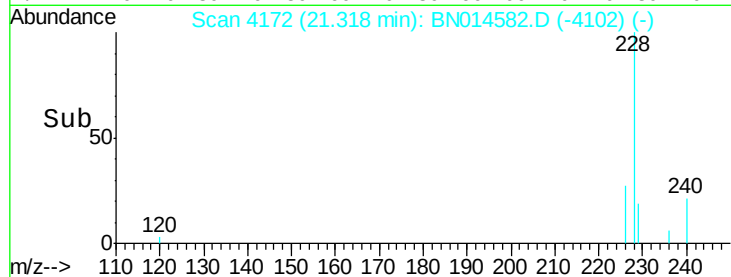
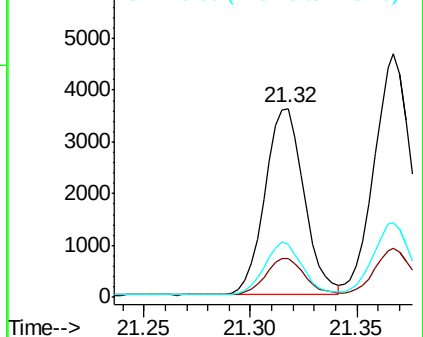
228 100

229 20.3 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: 0.400 ng/ul

RT: 21.37 min Scan# 4189

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

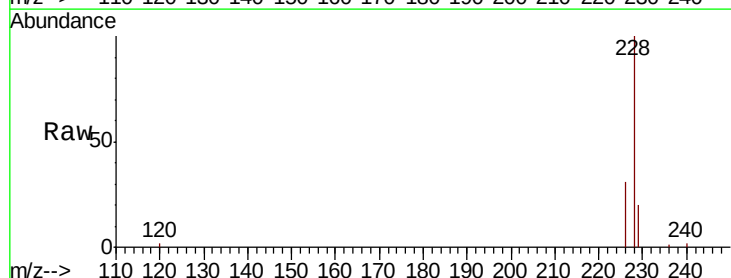
Tgt Ion:228 Resp: 5734

Ion Ratio Lower Upper

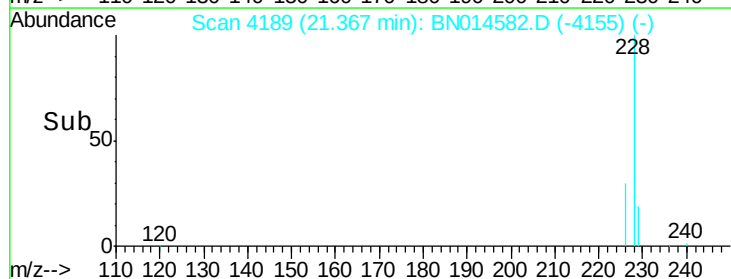
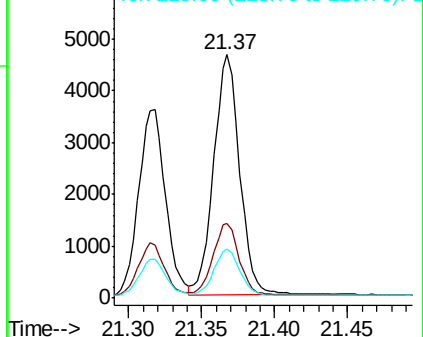
228 100

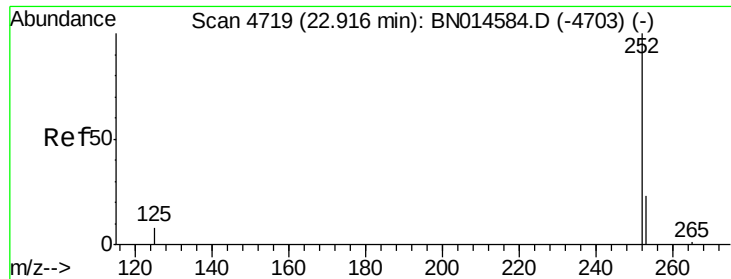
226 30.9 24.9 37.3

229 20.1 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: 0.376 ng/ul

RT: 22.92 min Scan# 4719

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

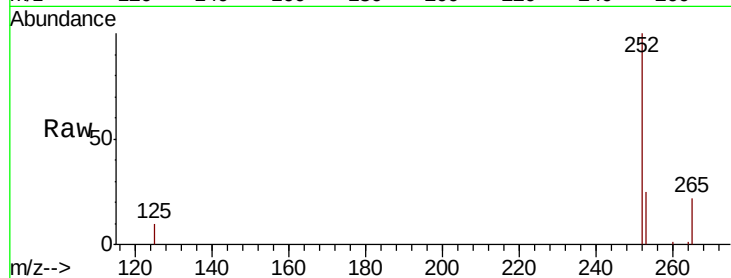
Tot Ion:252 Resp: 5576

Ion Ratio Lower Upper

252 100

253 24.9 0.0 51.0

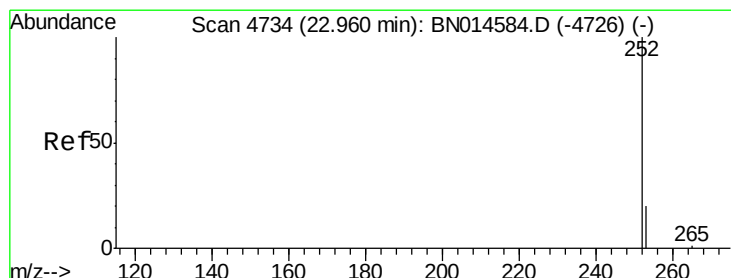
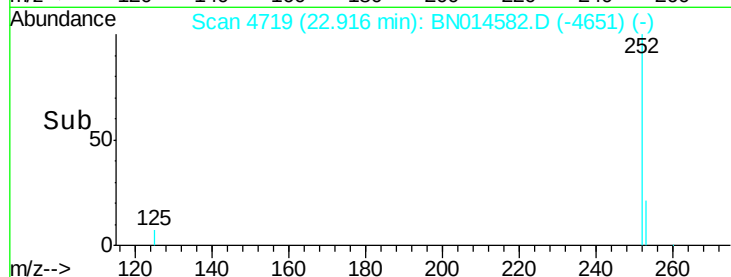
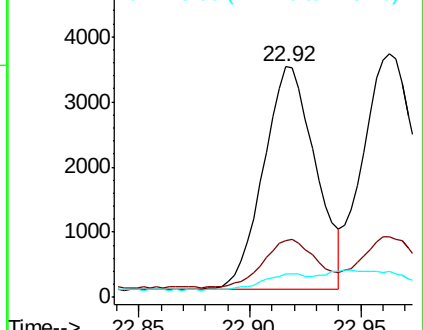
125 10.3 0.0 20.2



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: 0.411 ng/ul

RT: 22.96 min Scan# 4735

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

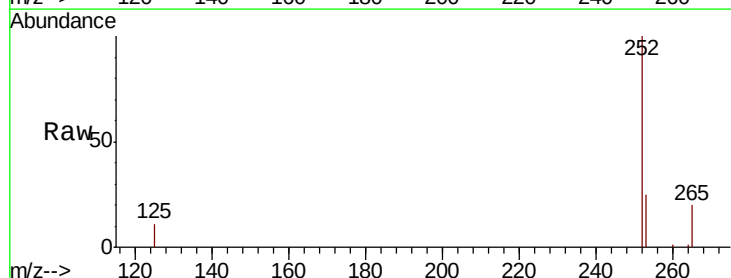
Tgt Ion:252 Resp: 6365

Ion Ratio Lower Upper

252 100

253 25.1 20.2 30.2

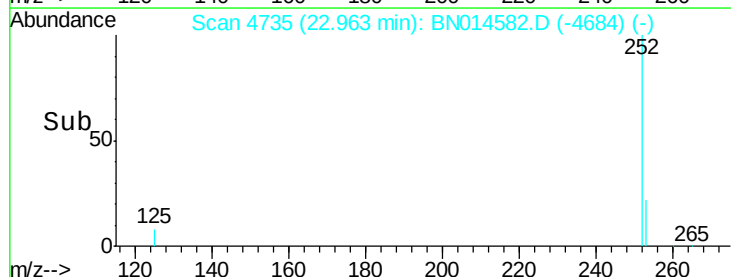
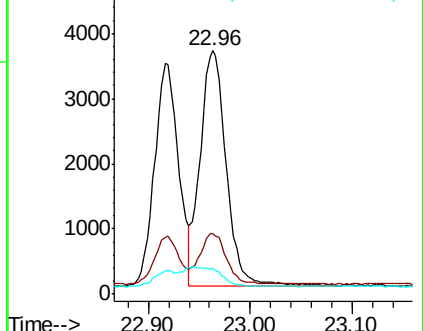
125 10.7 8.4 12.6

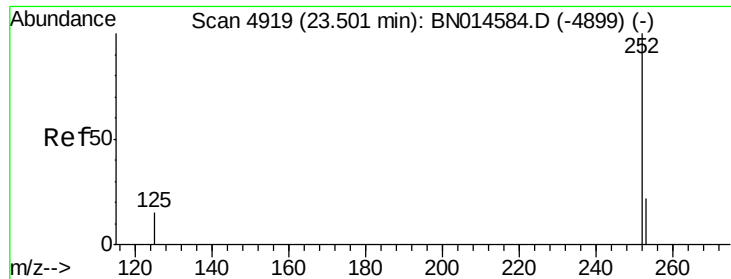


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.387 ng/ul

RT: 23.50 min Scan# 4920

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

Instrument :

BNA_N

ClientSampleId :

SSTD3.2008

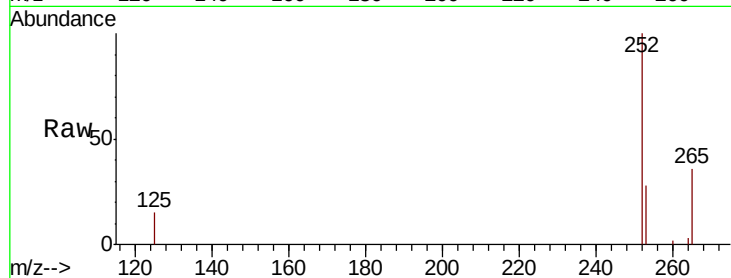
Tot Ion:252 Resp: 4521

Ion Ratio Lower Upper

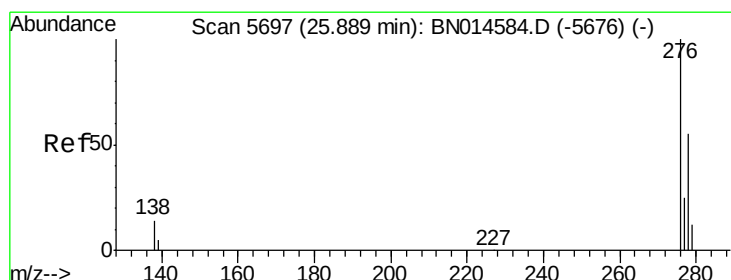
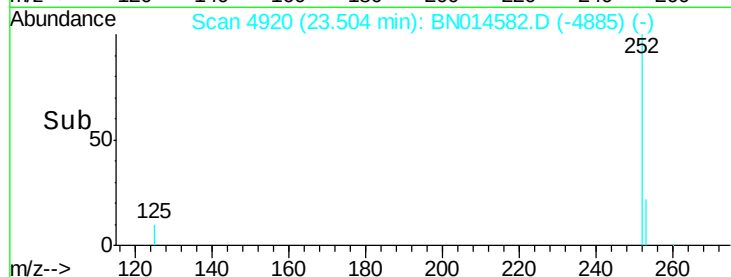
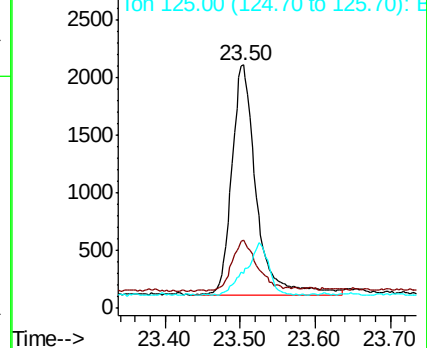
252 100

253 27.9 23.0 34.4

125 14.6 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: 0.417 ng/ul

RT: 25.90 min Scan# 5700

Delta R.T. 0.00 min

Lab File: BN014582.D

Acq: 12 May 2021 18:26

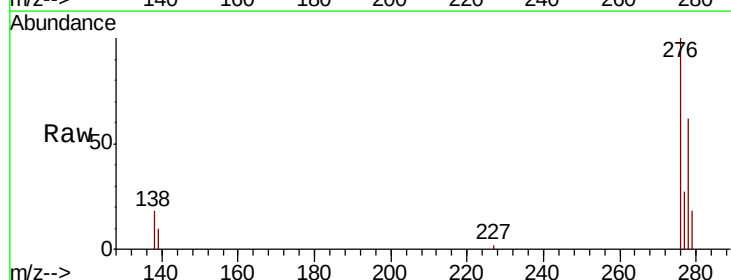
Tgt Ion:276 Resp: 7127

Ion Ratio Lower Upper

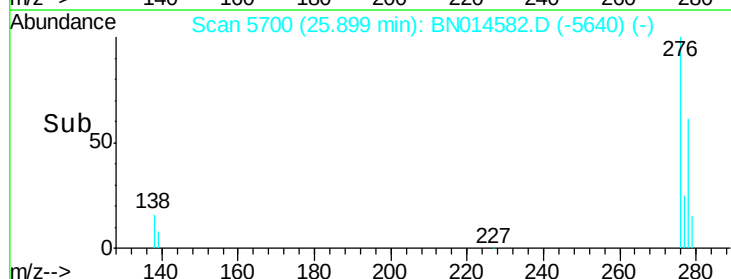
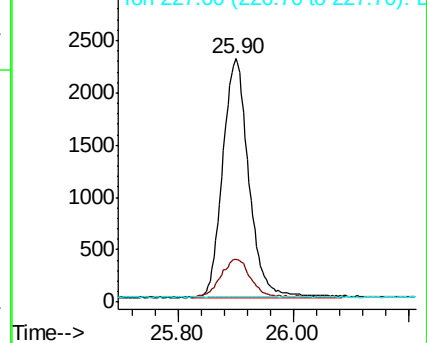
276 100

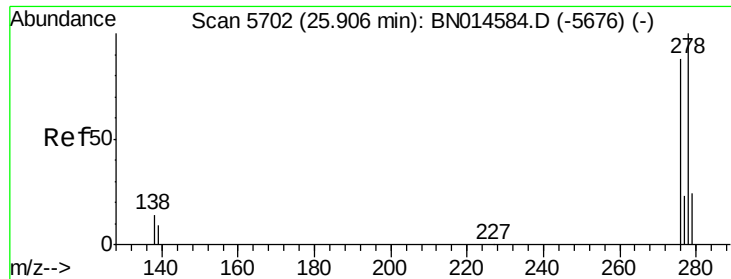
138 17.6 14.1 21.1

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

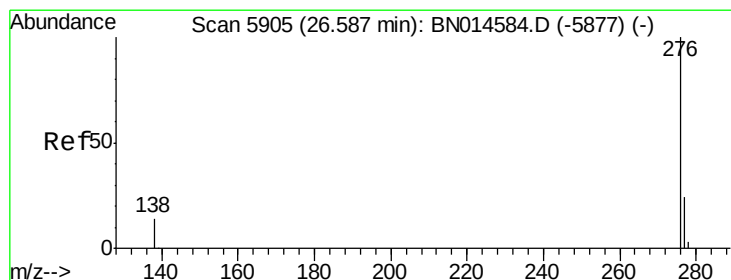
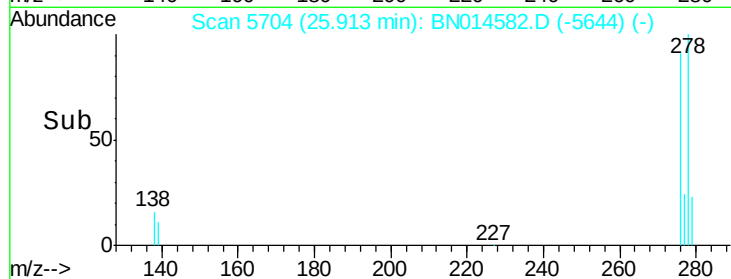
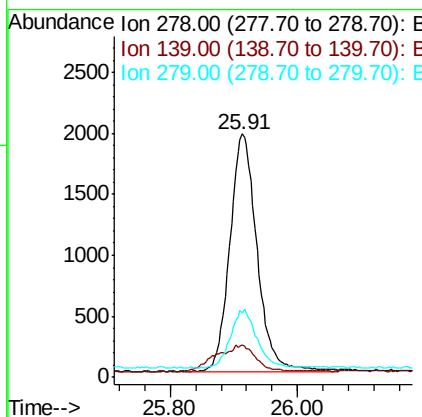
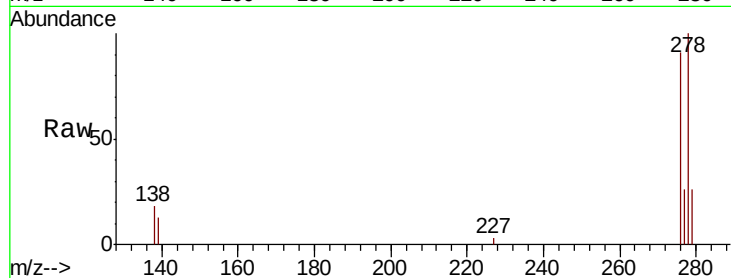




#28
Dibenzo(a,h)anthracene
Concen: 0.411 ng/ul
RT: 25.91 min Scan# 5704
Delta R.T. 0.00 min
Lab File: BN014582.D
Acq: 12 May 2021 18:26

Instrument :
BNA_N
ClientSampleId :
SSTD3.2008

Tot Ion:278 Resp: 5781
Ion Ratio Lower Upper
278 100
139 13.3 10.4 15.6
279 26.4 21.8 32.6



#29
Benzo(g,h,i)perylene
Concen: 0.388 ng/ul
RT: 26.59 min Scan# 5907
Delta R.T. -0.00 min
Lab File: BN014582.D
Acq: 12 May 2021 18:26

Tgt Ion:276 Resp: 5522
Ion Ratio Lower Upper
276 100
138 15.6 12.6 18.8
277 25.7 20.9 31.3

