

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031521\
 Data File : BN013942.D
 Acq On : 15 Mar 2021 15:16
 Operator : CG/JU
 Sample : PB134983BL
 Misc : SFAMSIM-MDL-BL-W-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SBLK983

Quant Time: Mar 15 16:04:41 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN031221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 12 13:33:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4099	0.40	ng/ul	0.00
4) Naphthalene-d8	10.49	136	13533	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.35	164	6575	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.09	188	13902	0.40	ng/ul	0.00
17) Chrysene-d12	21.27	240	10899	0.40	ng/ul	0.00
23) Perylene-d12	23.50	264	10293	0.40	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	3067	0.70	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.09	152	7248	0.37	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	13653	0.42	ng/ul	0.00

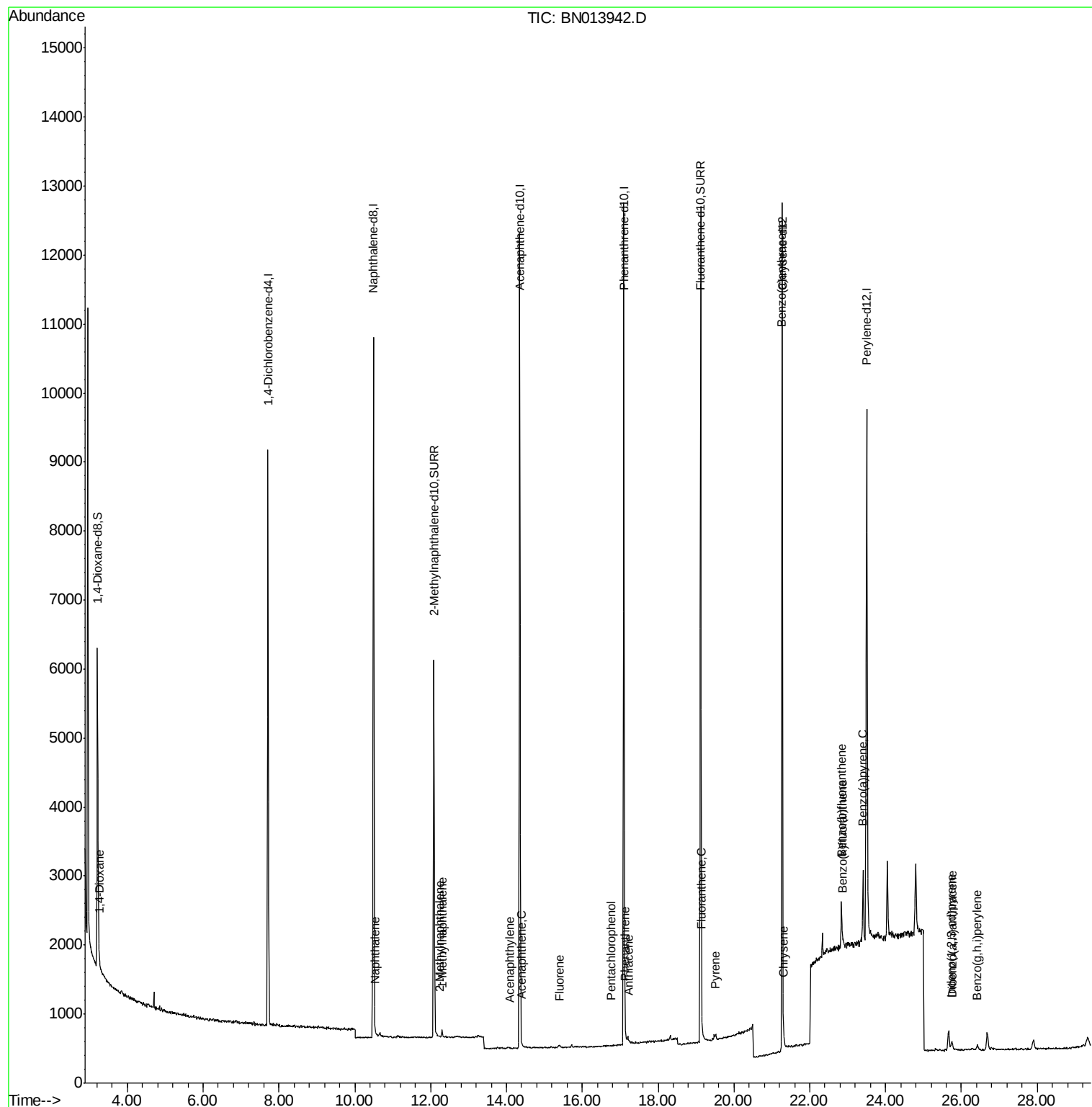
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.27	88	13	0.003	ng/ul#	54
5) Naphthalene	10.54	128	17	0.000	ng/ul#	1
7) 2-Methylnaphthalene	12.25	142	1	0.000	ng/ul	88
8) 1-Methylnaphthalene	12.32	142	4	0.000	ng/ul	92
10) Acenaphthylene	14.08	152	16	0.001	ng/ul#	1
11) Acenaphthene	14.41	153	11	0.000	ng/ul#	70
12) Fluorene	15.40	166	23	0.001	ng/ul#	54
14) Pentachlorophenol	16.75	266	10	0.004	ng/ul#	71
15) Phenanthrene	17.14	178	93	0.002	ng/ul#	1
16) Anthracene	17.22	178	40	0.001	ng/ul#	1
19) Fluoranthene	19.15	202	71	0.002	ng/ul#	1
20) Pyrene	19.52	202	78	0.002	ng/ul#	1
21) Benzo(a)anthracene	21.26	228	130	0.003	ng/ul#	35
22) Chrysene	21.31	228	109	0.003	ng/ul#	46
24) Benzo(b)fluoranthene	22.83	252	175	0.004	ng/ul#	1
25) Benzo(k)fluoranthene	22.88	252	122	0.003	ng/ul#	1
26) Benzo(a)pyrene	23.41	252	174	0.004	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.74	276	150	0.003	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.75	278	109	0.003	ng/ul#	1
29) Benzo(g,h,i)perylene	26.42	276	130	0.003	ng/ul#	1

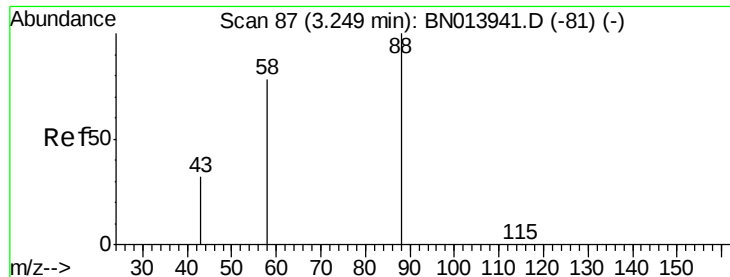
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 15 16:04:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN031221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 12 13:33:49 2021
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.003 ng/ul

RT: 3.27 min Scan# 92

Delta R.T. 0.02 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampled :

SBLK983

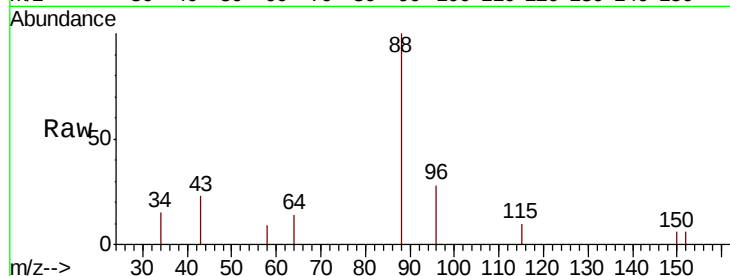
Tot Ion: 88 Resp: 13

Ion Ratio Lower Upper

88 100

43 22.6 28.5 42.7#

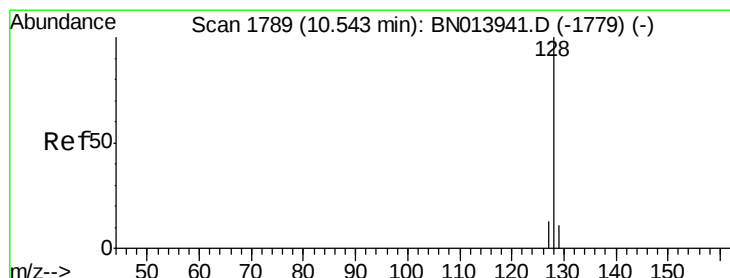
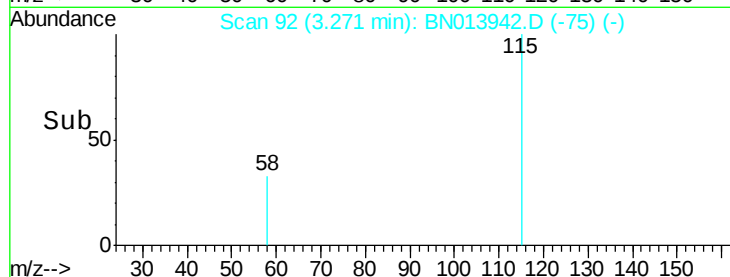
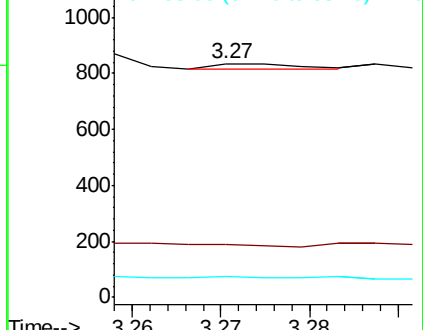
58 8.9 42.5 63.7#



Abundance Ion 88.00 (87.70 to 88.70): BN013941.D (-81) (-)

Ion 43.00 (42.70 to 43.70): BN013941.D (-81) (-)

Ion 58.00 (57.70 to 58.70): BN013941.D (-81) (-)



#5

Naphthalene

Concen: 0.000 ng/ul

RT: 10.54 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

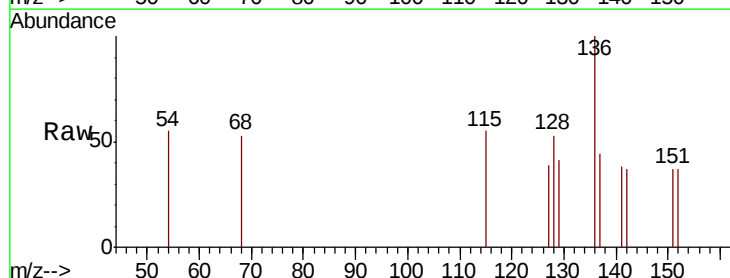
Tgt Ion: 128 Resp: 17

Ion Ratio Lower Upper

128 100

129 77.1 9.2 13.8#

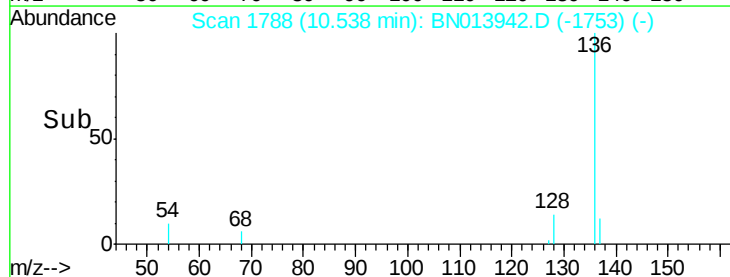
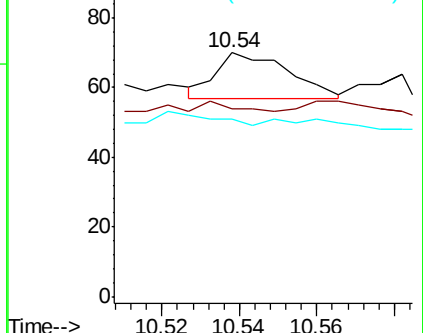
127 72.9 10.7 16.1#

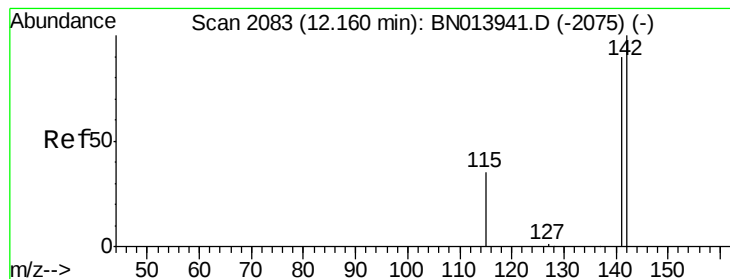


Abundance Ion 128.00 (127.70 to 128.70): BN013941.D (-1779) (-)

Ion 129.00 (128.70 to 129.70): BN013941.D (-1779) (-)

Ion 127.00 (126.70 to 127.70): BN013941.D (-1779) (-)





#7

2-Methylnaphthalene

Concen: 0.000 ng/ul

RT: 12.25 min Scan# 2099

Delta R.T. 0.09 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

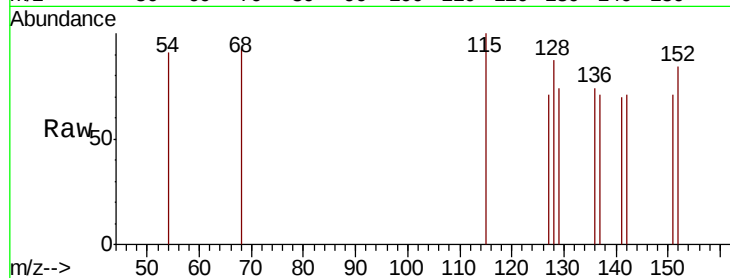
SBLK983

Tot Ion:142 Resp: 1

Ion Ratio Lower Upper

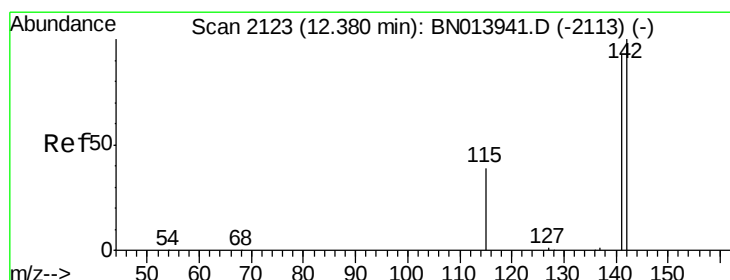
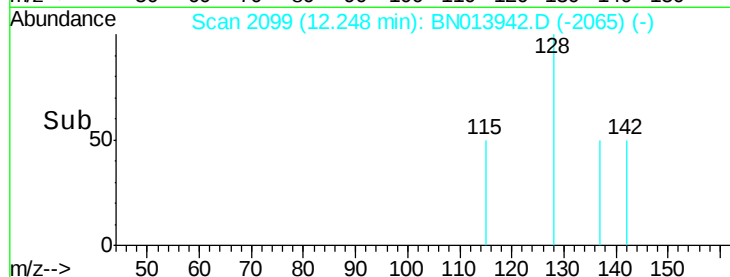
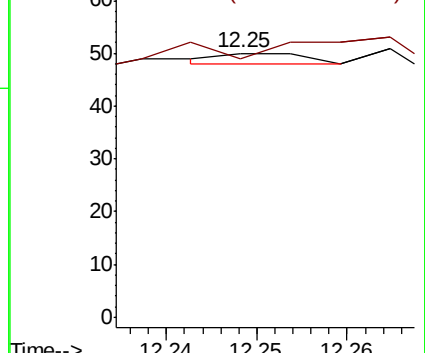
142 100

141 100.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.000 ng/ul

RT: 12.32 min Scan# 2112

Delta R.T. -0.07 min

Lab File: BN013942.D

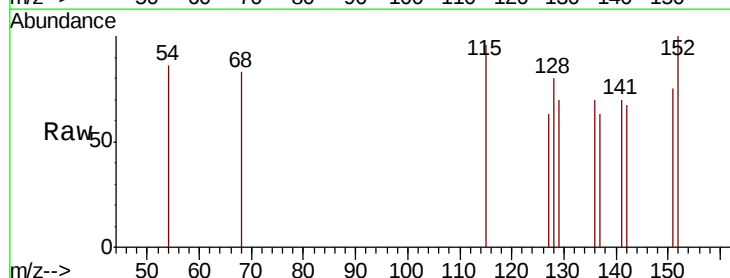
Acq: 15 Mar 2021 15:16

Tgt Ion:142 Resp: 4

Ion Ratio Lower Upper

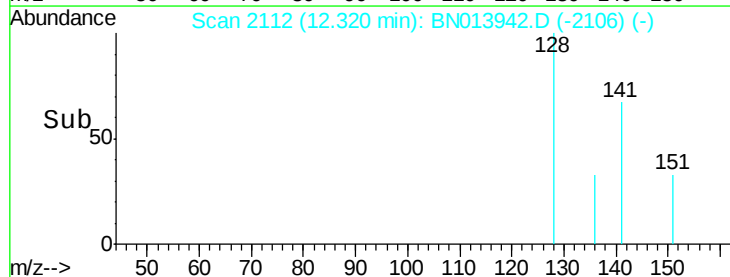
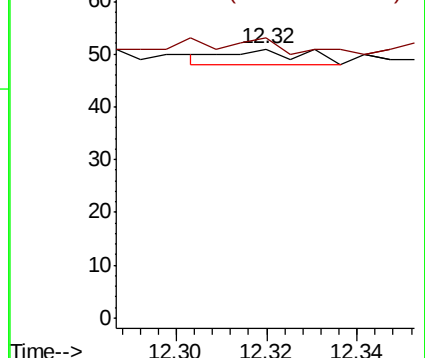
142 100

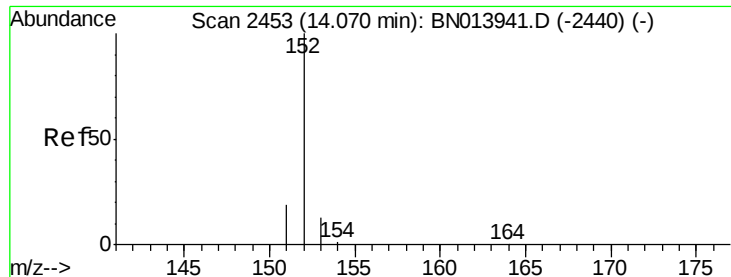
141 100.0 73.5 110.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.001 ng/ul

RT: 14.08 min Scan# 2455

Delta R.T. 0.01 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

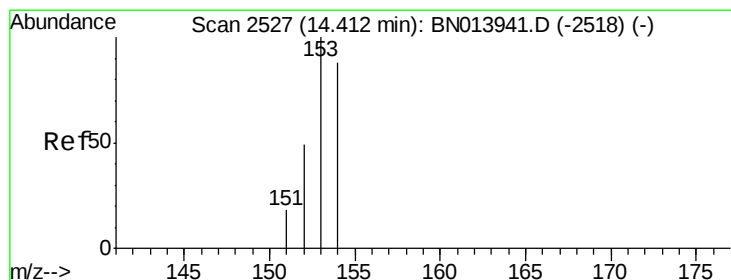
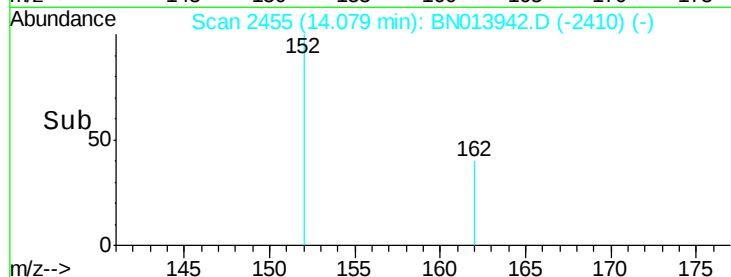
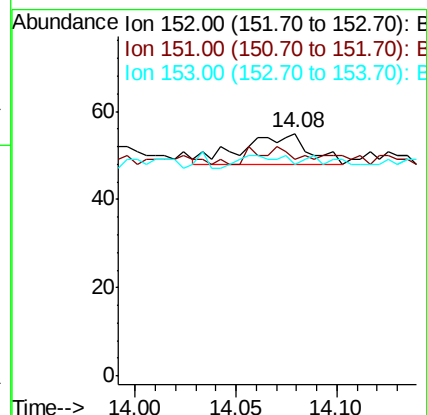
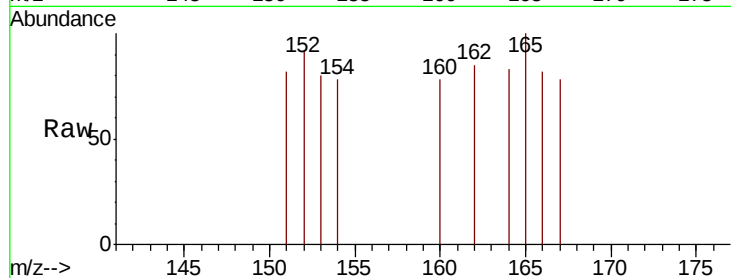
Tot Ion:152 Resp: 16

Ion Ratio Lower Upper

152 100

151 89.1 15.9 23.9#

153 87.3 10.9 16.3#



#11

Acenaphthene

Concen: 0.000 ng/ul

RT: 14.41 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

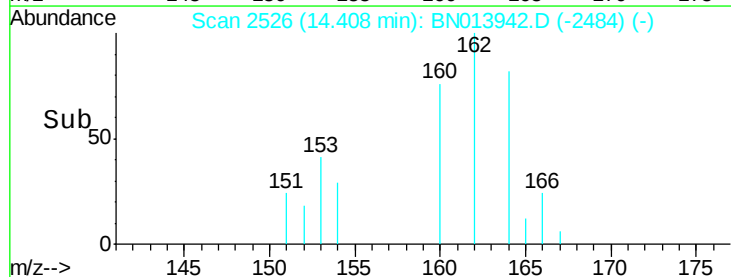
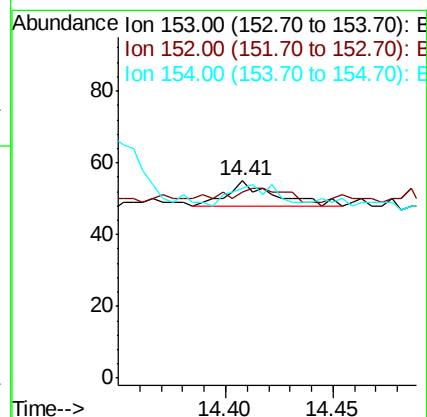
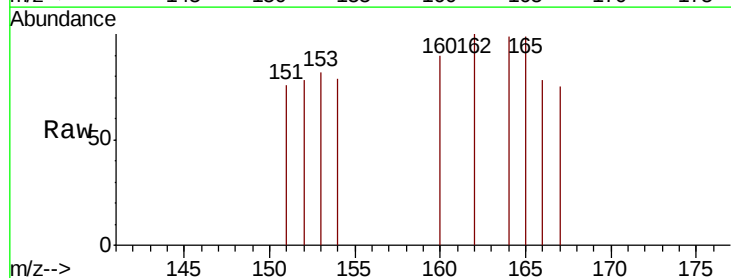
Tgt Ion:153 Resp: 11

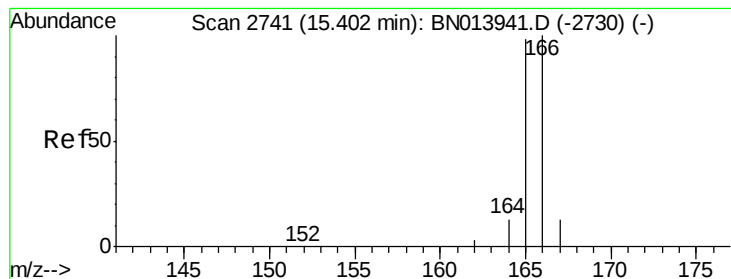
Ion Ratio Lower Upper

153 100

152 94.5 40.5 60.7#

154 96.4 69.3 103.9





#12

Fluorene

Concen: 0.001 ng/ul

RT: 15.40 min Scan# 2740

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

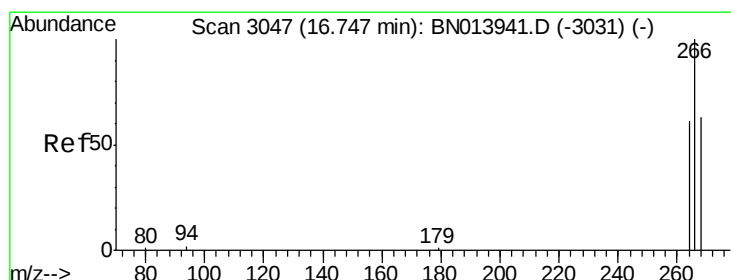
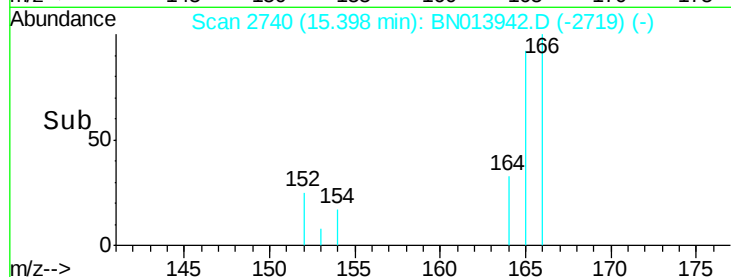
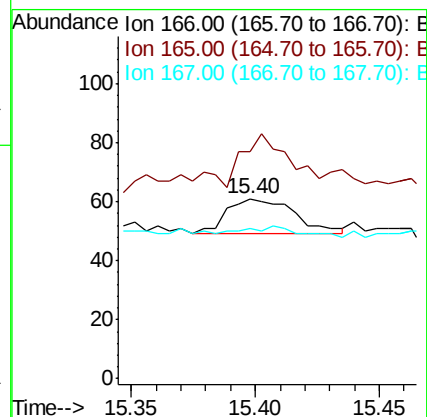
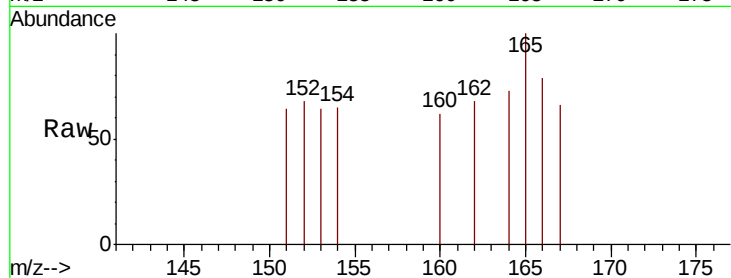
Tot Ion:166 Resp: 23

Ion Ratio Lower Upper

166 100

165 126.2 78.4 117.6#

167 83.6 11.0 16.6#



#14

Pentachlorophenol

Concen: 0.004 ng/ul

RT: 16.75 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

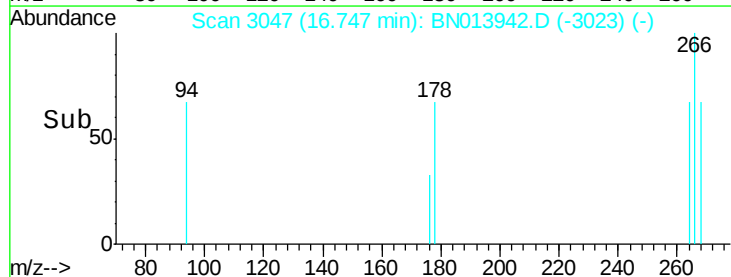
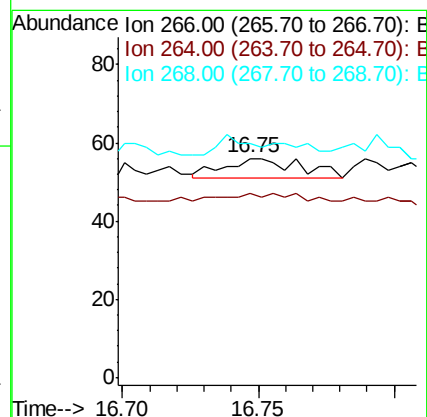
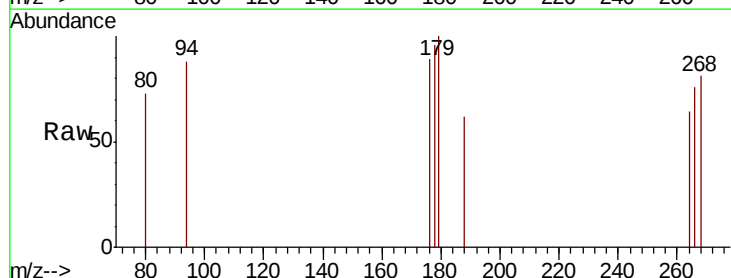
Tgt Ion:266 Resp: 10

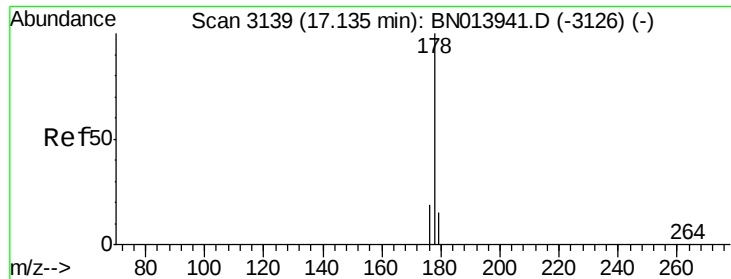
Ion Ratio Lower Upper

266 100

264 20.0 49.2 73.8#

268 70.0 52.3 78.5





#15

Phenanthrene

Concen: 0.002 ng/ul

RT: 17.14 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

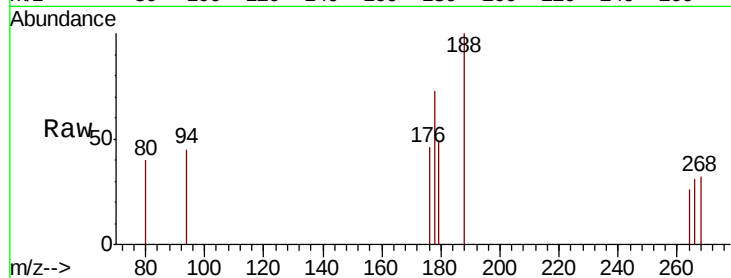
Tot Ion:178 Resp: 93

Ion Ratio Lower Upper

178 100

179 67.4 12.5 18.7#

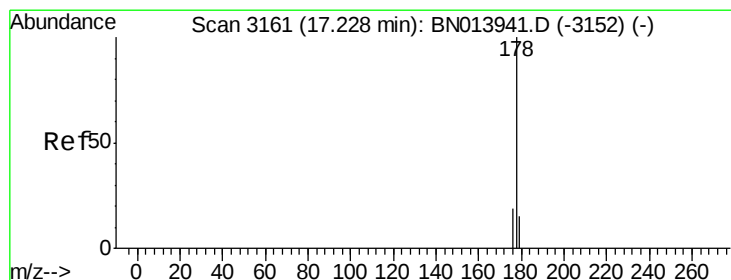
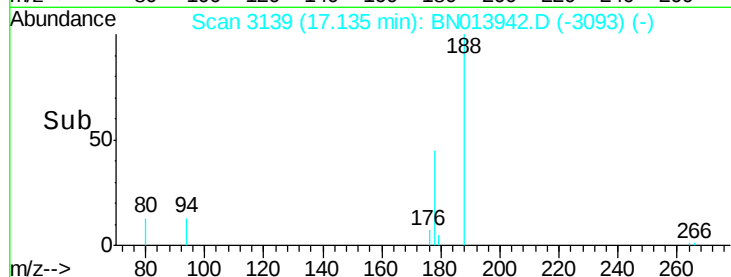
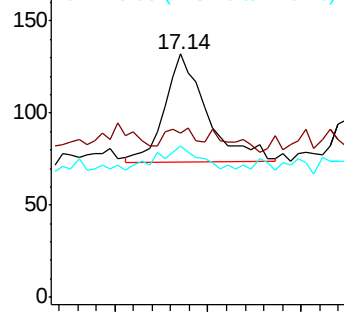
176 62.1 15.3 22.9#



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: 0.001 ng/ul

RT: 17.22 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

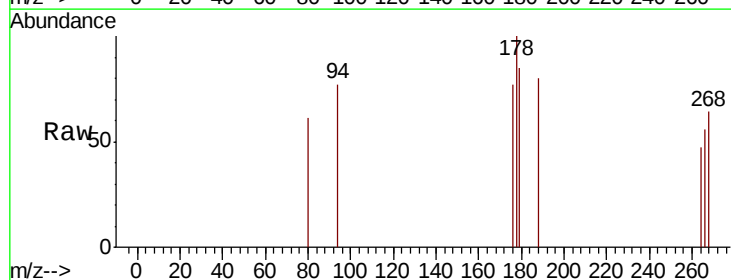
Tgt Ion:178 Resp: 40

Ion Ratio Lower Upper

178 100

179 85.4 12.6 18.8#

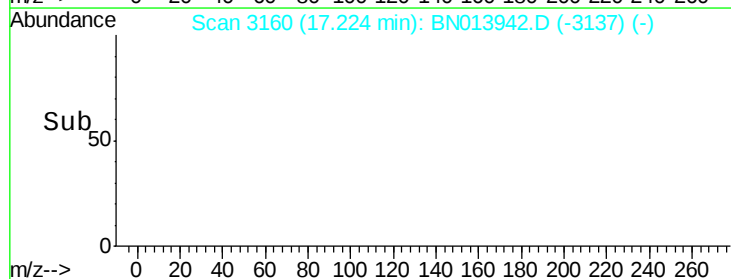
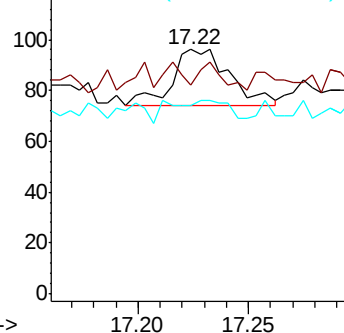
176 77.1 15.4 23.0#

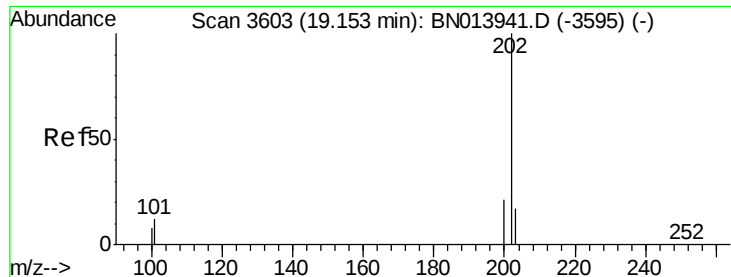


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.002 ng/ul

RT: 19.15 min Scan# 3603

Delta R.T. 0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

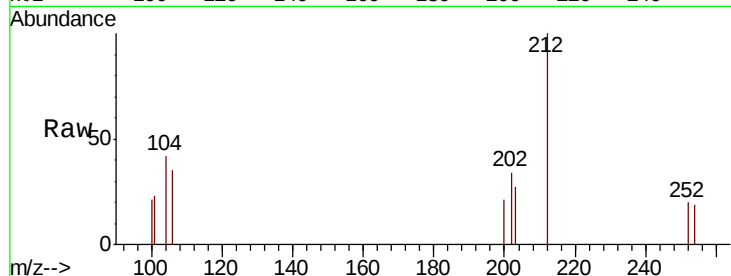
Tot Ion:202 Resp: 71

Ion Ratio Lower Upper

202 100

101 69.1 9.7 14.5#

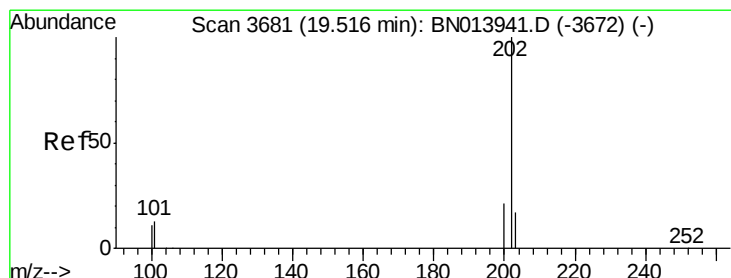
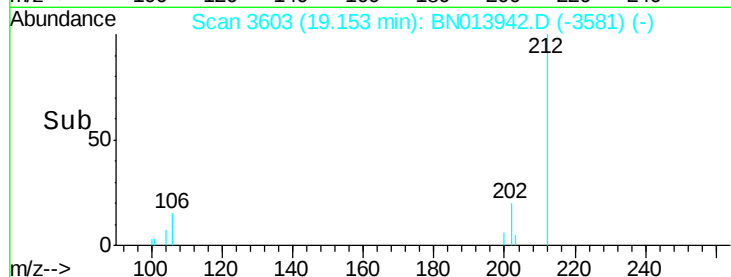
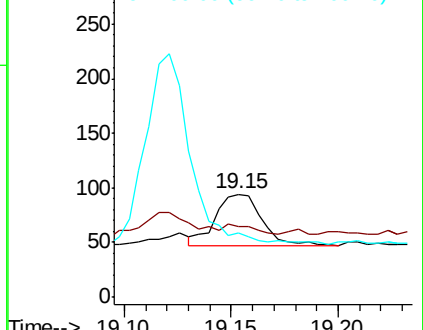
100 62.8 7.4 11.2#



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: 0.002 ng/ul

RT: 19.52 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

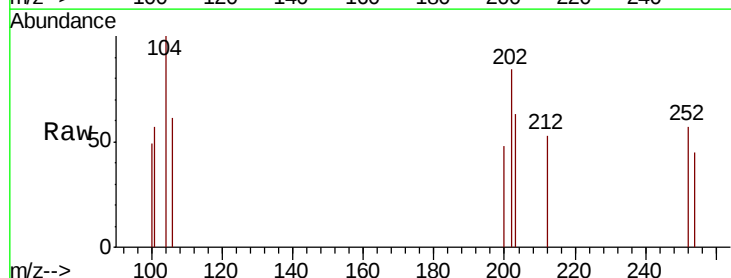
Tgt Ion:202 Resp: 78

Ion Ratio Lower Upper

202 100

101 67.3 11.0 16.4#

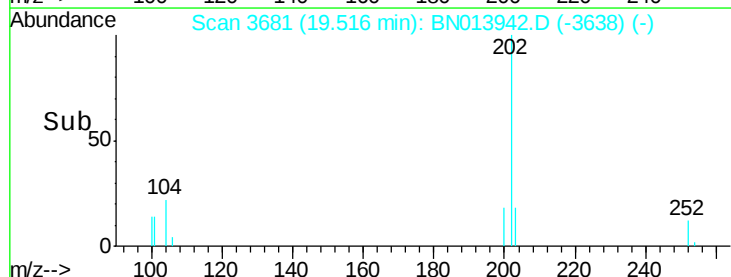
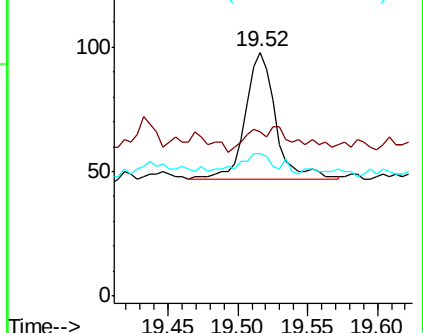
100 58.2 9.0 13.4#

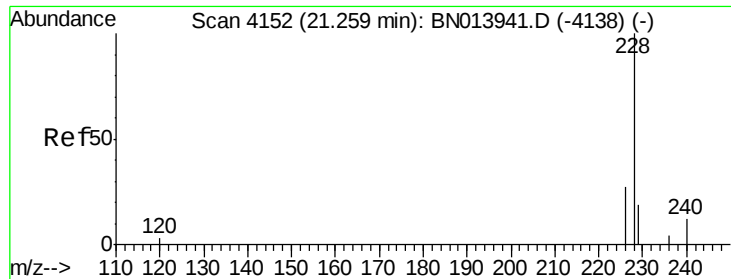


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.003 ng/ul

RT: 21.26 min Scan# 4152

Delta R.T. 0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

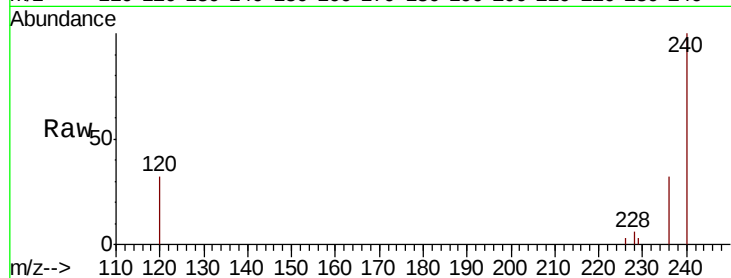
Tot Ion:228 Resp: 130

Ion Ratio Lower Upper

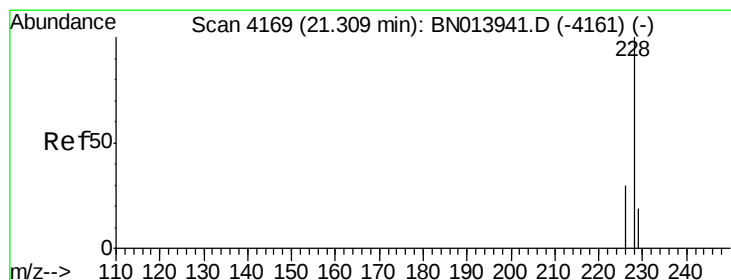
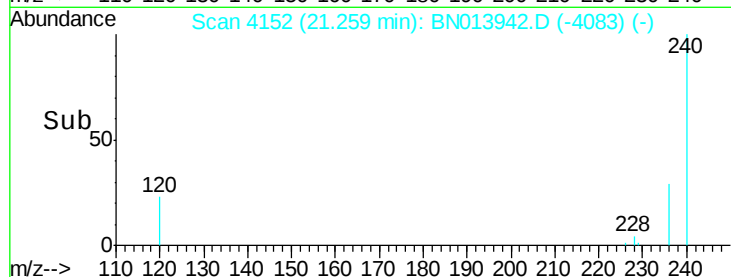
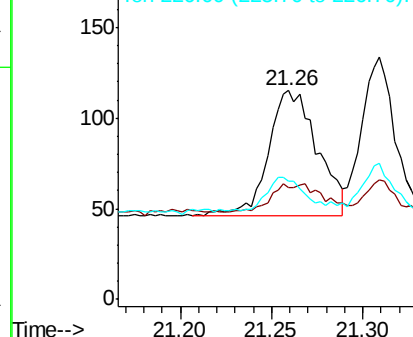
228 100

229 53.9 15.5 23.3#

226 56.5 21.5 32.3#



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: 0.003 ng/ul

RT: 21.31 min Scan# 4169

Delta R.T. 0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

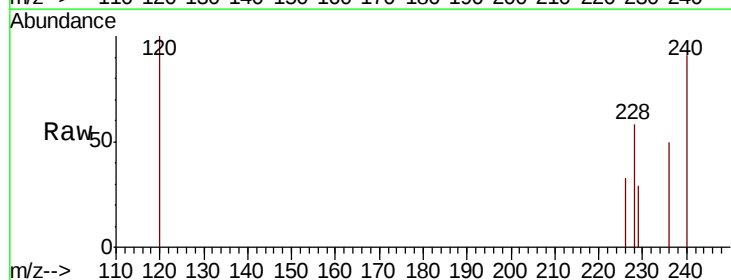
Tgt Ion:228 Resp: 109

Ion Ratio Lower Upper

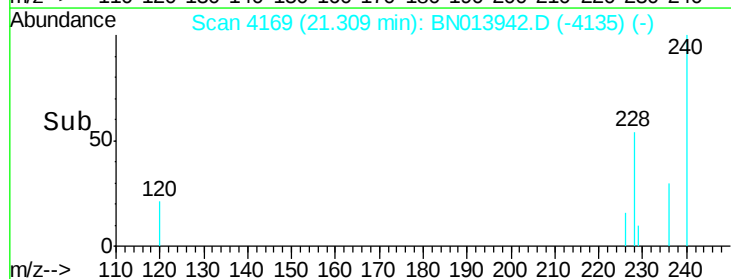
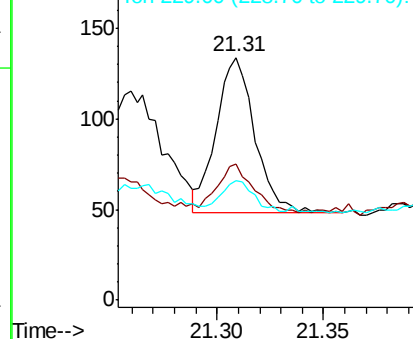
228 100

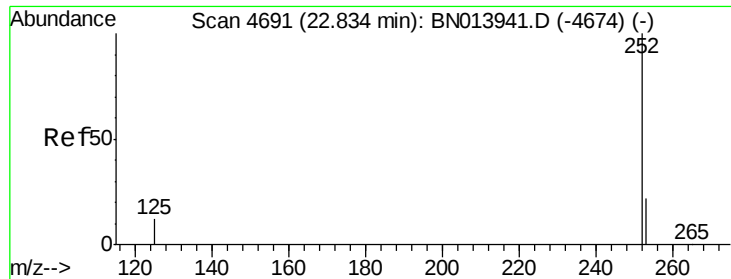
226 56.0 24.4 36.6#

229 49.3 15.8 23.8#



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: 0.004 ng/ul

RT: 22.83 min Scan# 4689

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

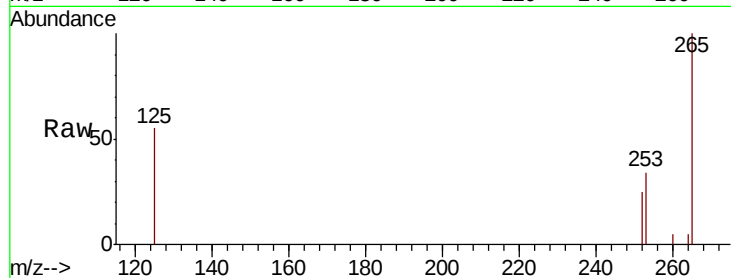
Tot Ion:252 Resp: 175

Ion Ratio Lower Upper

252 100

253 131.8 0.0 47.4#

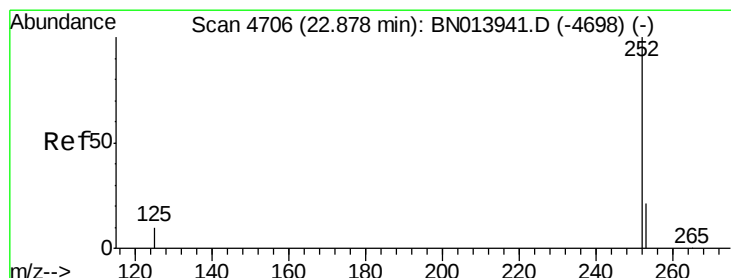
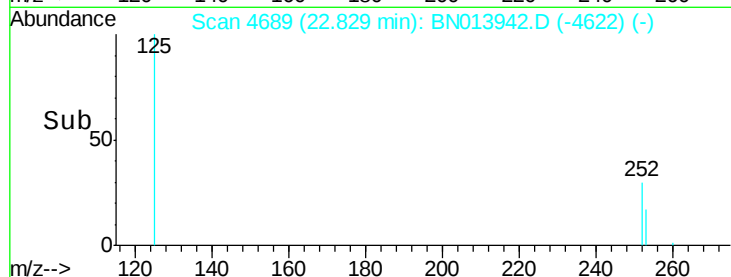
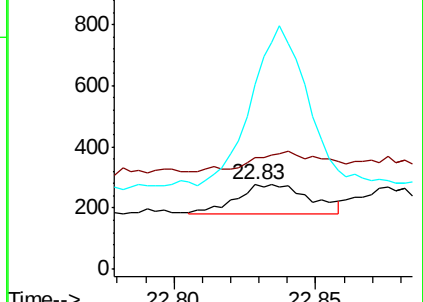
125 217.7 0.0 27.8#



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: 0.003 ng/ul

RT: 22.88 min Scan# 4705

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

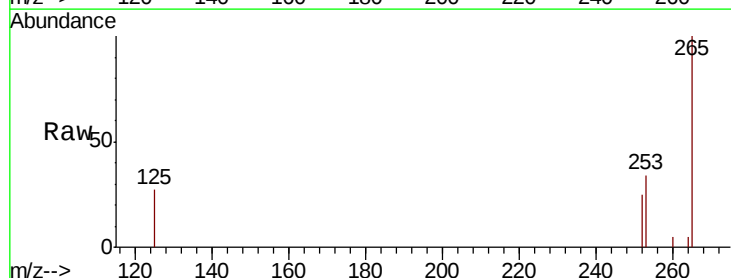
Tgt Ion:252 Resp: 122

Ion Ratio Lower Upper

252 100

253 136.2 19.0 28.6#

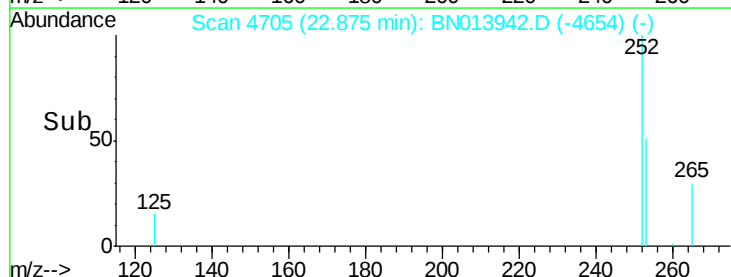
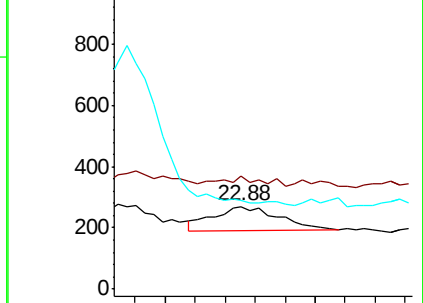
125 106.3 10.5 15.7#

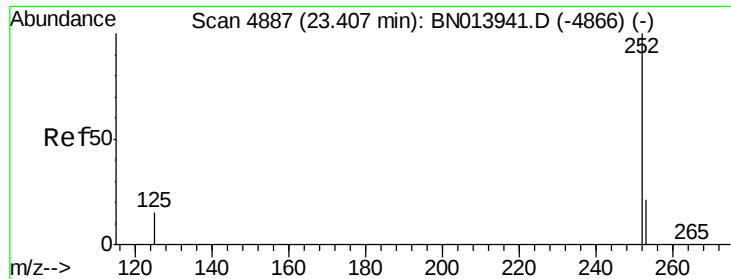


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.004 ng/u1

RT: 23.41 min Scan# 4887

Delta R.T. 0.01 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

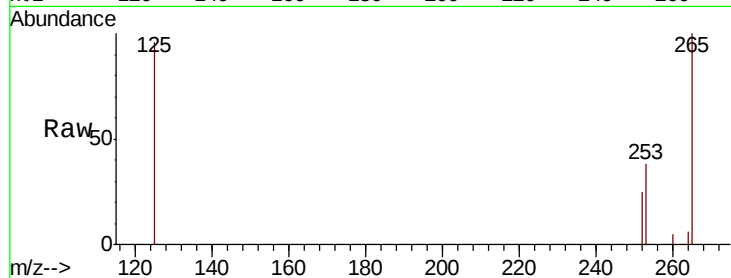
Tot Ion:252 Resp: 174

Ion Ratio Lower Upper

252 100

253 151.4 19.8 29.6#

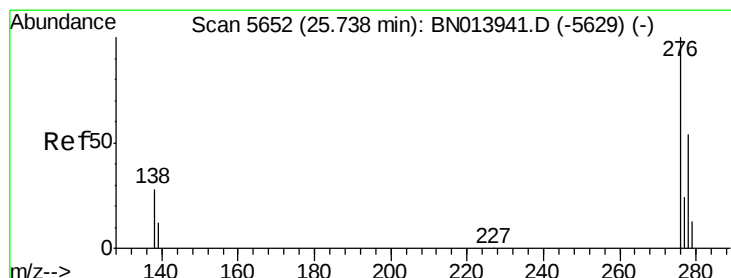
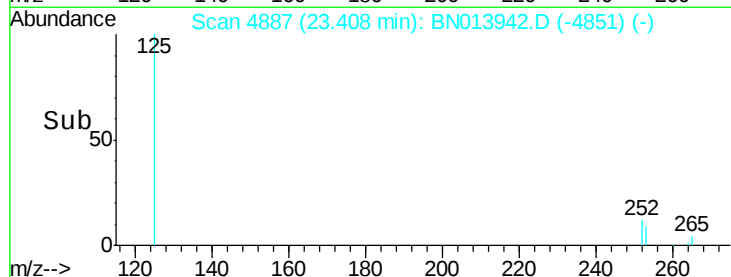
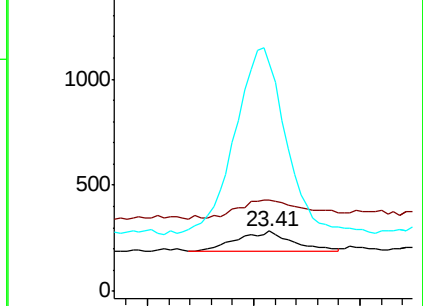
125 378.9 13.7 20.5#



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: 0.003 ng/u1

RT: 25.74 min Scan# 5652

Delta R.T. 0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

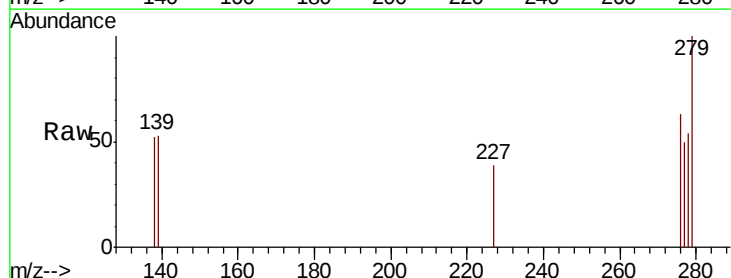
Tgt Ion:276 Resp: 150

Ion Ratio Lower Upper

276 100

138 28.7 23.4 35.0

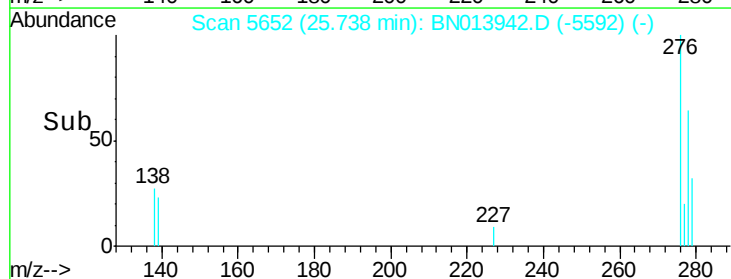
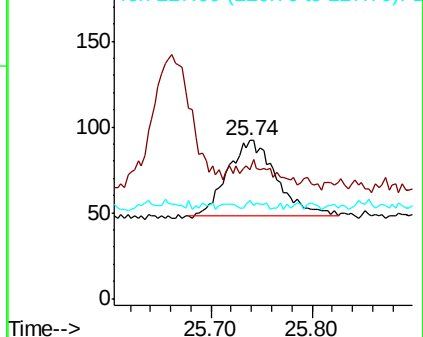
227 2.0 0.0 0.0#

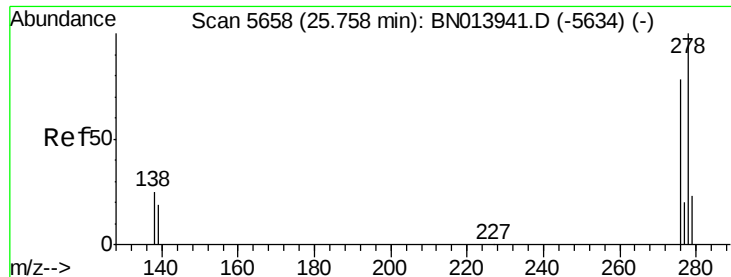


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.003 ng/ul

RT: 25.75 min Scan# 5656

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

Instrument :

BNA_N

ClientSampleId :

SBLK983

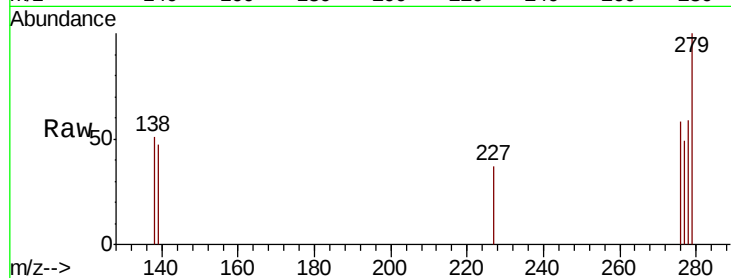
Tot Ion:278 Resp: 109

Ion Ratio Lower Upper

278 100

139 79.5 16.3 24.5#

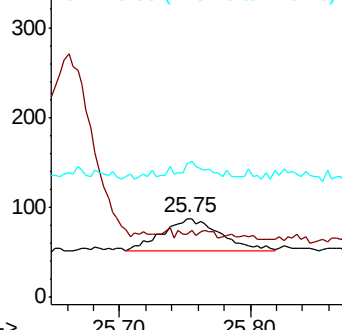
279 168.2 20.1 30.1#



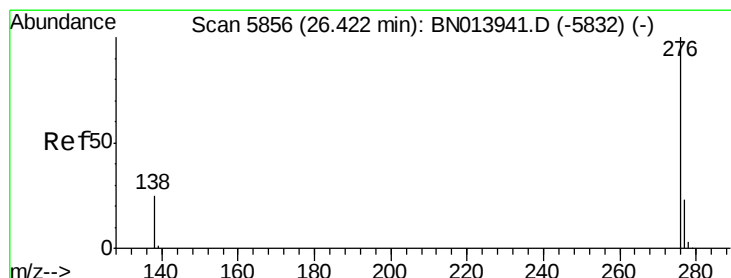
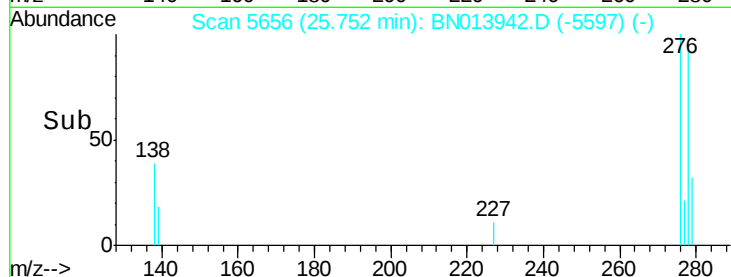
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#29

Benzo(g,h,i)perylene

Concen: 0.003 ng/ul

RT: 26.42 min Scan# 5856

Delta R.T. -0.00 min

Lab File: BN013942.D

Acq: 15 Mar 2021 15:16

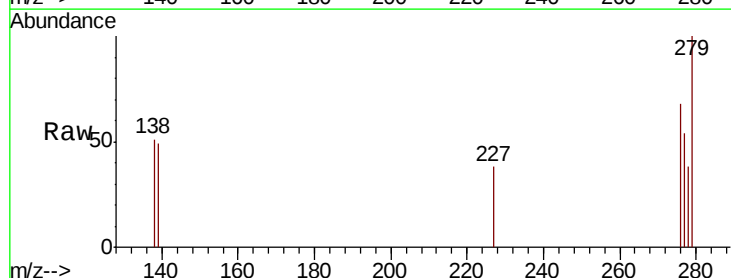
Tgt Ion:276 Resp: 130

Ion Ratio Lower Upper

276 100

138 75.5 20.8 31.2#

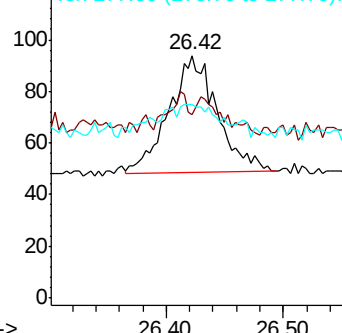
277 79.8 19.4 29.2#



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



Time-->

