

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120520\
 Data File : BN012886.D
 Acq On : 05 Dec 2020 16:50
 Operator : CG/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4004

Quant Time: Dec 07 00:55:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 00:51:32 2020
 Response via : Initial Calibration

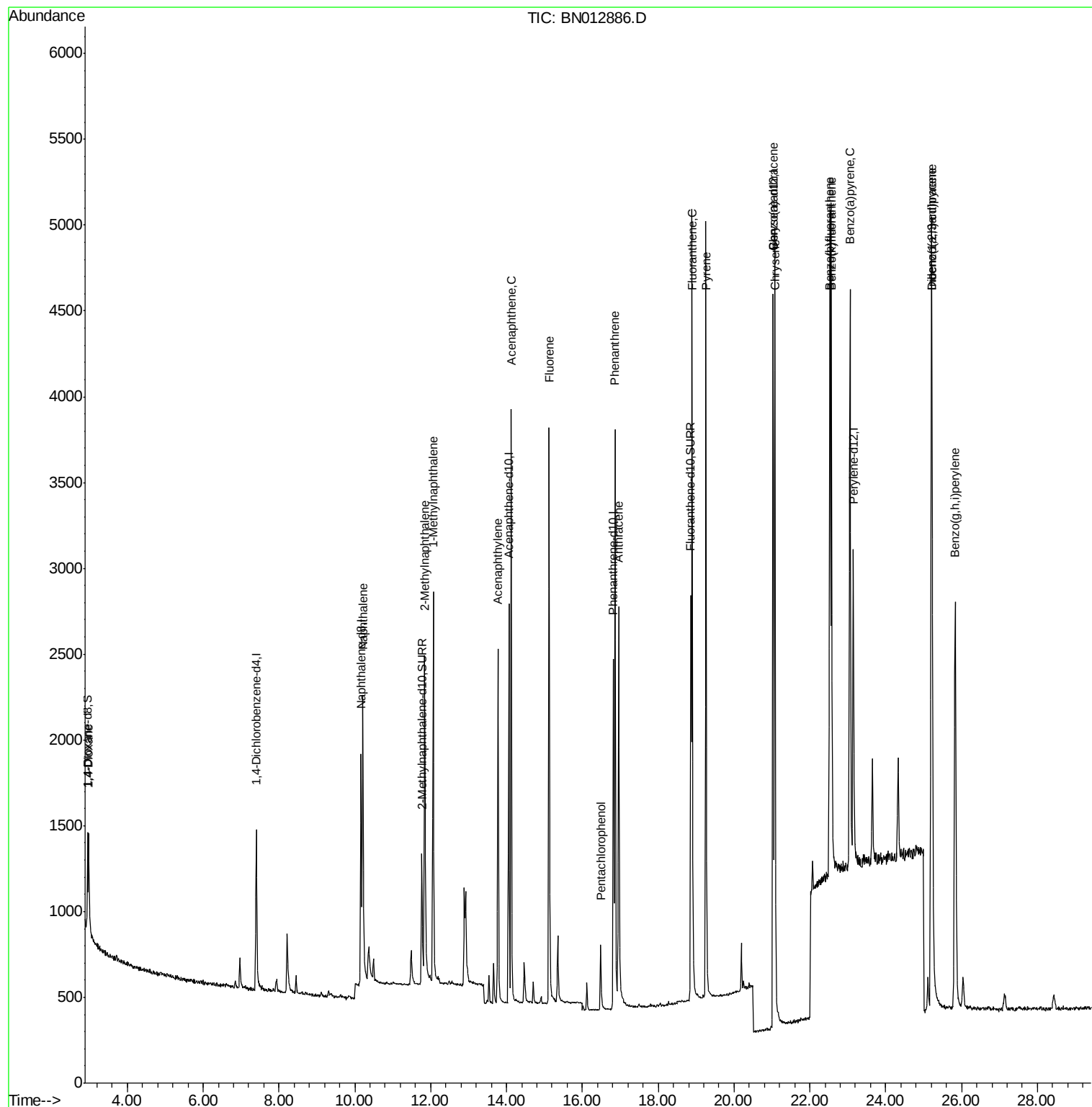
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	587	0.40	ng/ul	0.00
4) Naphthalene-d8	10.16	136	2232	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.06	164	1274	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.82	188	2737	0.40	ng/ul	0.00
19) Chrysene-d12	21.04	240	2208	0.40	ng/ul	0.00
23) Perylene-d12	23.14	264	2443	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.95	96	345	0.43	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.76	152	1377	0.44	ng/ul	0.00
17) Fluoranthene-d10	18.86	212	2932	0.43	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	2.98	88	389	0.484	ng/ul	88
5) Naphthalene	10.21	128	2670	0.425	ng/ul	100
7) 2-Methylnaphthalene	11.85	142	1765	0.435	ng/ul	96
8) 1-Methylnaphthalene	12.07	142	1724	0.443	ng/ul	99
10) Acenaphthylene	13.77	152	2570	0.457	ng/ul	99
11) Acenaphthene	14.13	153	2080	0.432	ng/ul	96
12) Fluorene	15.12	166	2384	0.442	ng/ul	99
14) Pentachlorophenol	16.48	266	313	0.418	ng/ul	96
15) Phenanthrene	16.86	178	3825	0.422	ng/ul	99
16) Anthracene	16.95	178	3299	0.443	ng/ul	100
18) Fluoranthene	18.89	202	4440	0.442	ng/ul	96
20) Pyrene	19.26	202	4516	0.433	ng/ul#	95
21) Benzo(a)anthracene	21.03	228	3600	0.447	ng/ul	99
22) Chrysene	21.08	228	4260	0.440	ng/ul	98
24) Benzo(b)fluoranthene	22.52	252	4645	0.445	ng/ul	96
25) Benzo(k)fluoranthene	22.57	252	5205	0.434	ng/ul	97
26) Benzo(a)pyrene	23.05	252	4532	0.462	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.21	276	5894	0.456	ng/ul	96
28) Dibenzo(a,h)anthracene	25.22	278	4676	0.450	ng/ul	96
29) Benzo(g,h,i)perylene	25.83	276	5154	0.432	ng/ul	97

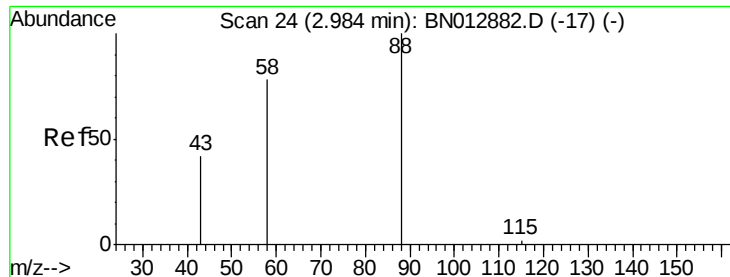
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.484 ng/ul

RT: 2.98 min Scan# 23

Delta R.T. -0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

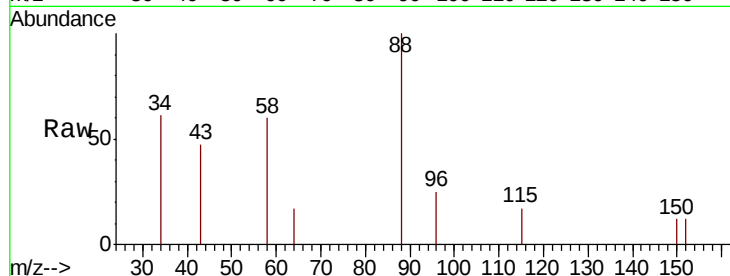
Tot Ion: 88 Resp: 389

Ion Ratio Lower Upper

88 100

43 47.0 42.7 64.1

58 60.0 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): BN012882.D (-17) (-)

Ion 43.00 (42.70 to 43.70): BN012882.D (-17) (-)

Ion 58.00 (57.70 to 58.70): BN012882.D (-17) (-)

2.98

400

300

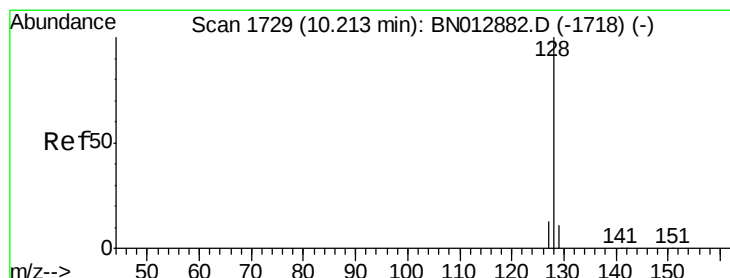
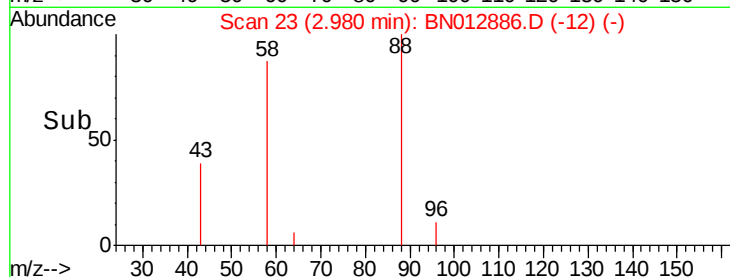
200

100

0

2.95 3.00 3.05

Time-->



#5

Naphthalene

Concen: 0.425 ng/ul

RT: 10.21 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

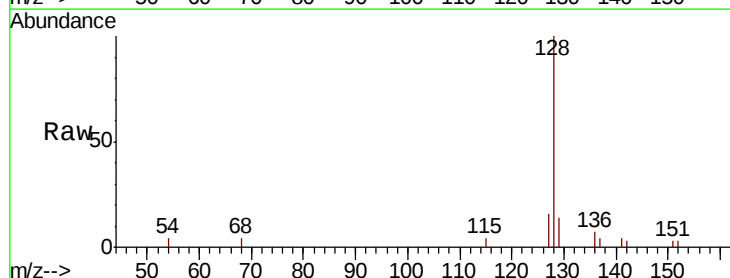
Tgt Ion: 128 Resp: 2670

Ion Ratio Lower Upper

128 100

129 13.8 11.1 16.7

127 15.7 12.6 18.8



Abundance Ion 128.00 (127.70 to 128.70): BN012886.D (-1693) (-)

Ion 129.00 (128.70 to 129.70): BN012886.D (-1693) (-)

Ion 127.00 (126.70 to 127.70): BN012886.D (-1693) (-)

10.21

1500

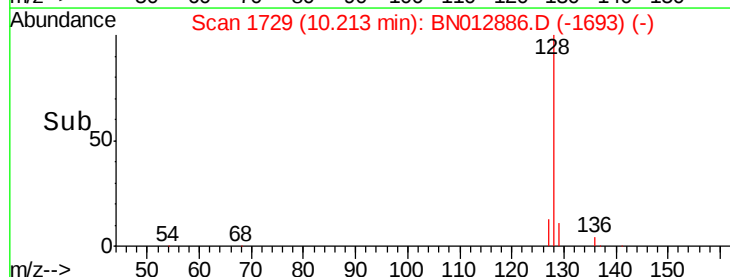
1000

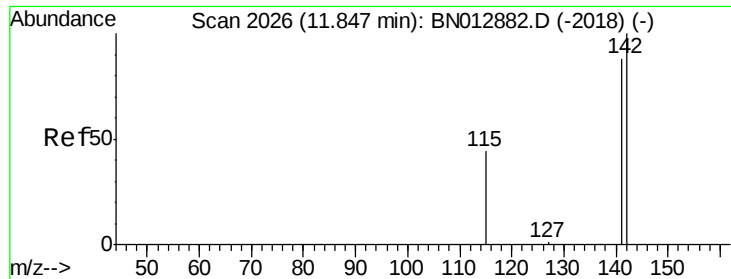
500

0

10.10 10.20 10.30

Time-->





#7

2-Methylnaphthalene

Concen: 0.435 ng/ul

RT: 11.85 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleId :

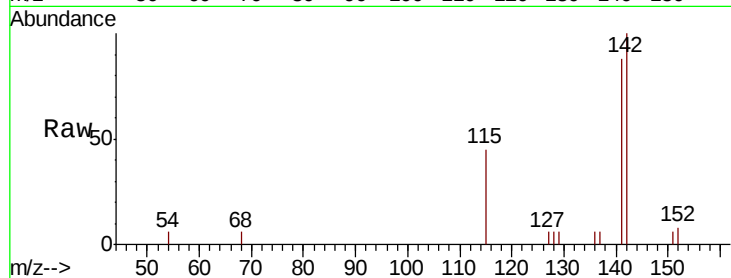
SSTD0.4004

Tot Ion:142 Resp: 1765

Ion Ratio Lower Upper

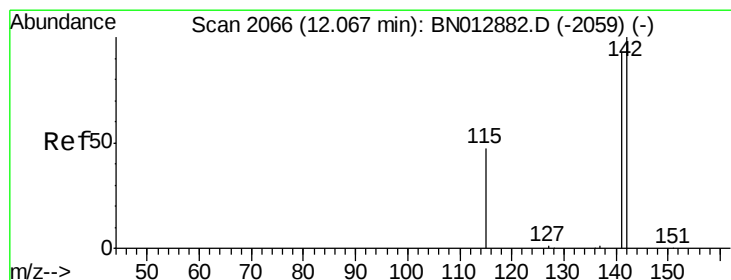
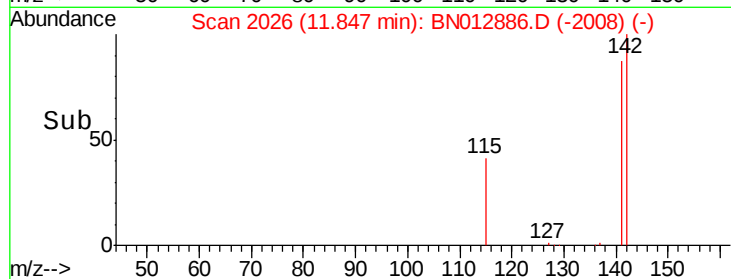
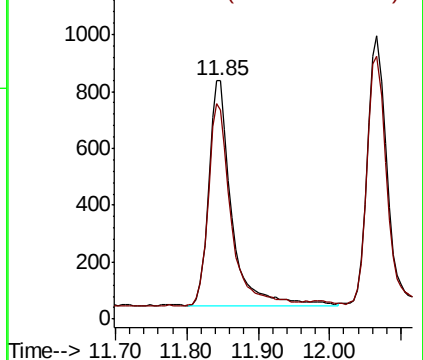
142 100

141 93.6 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.443 ng/ul

RT: 12.07 min Scan# 2066

Delta R.T. 0.00 min

Lab File: BN012886.D

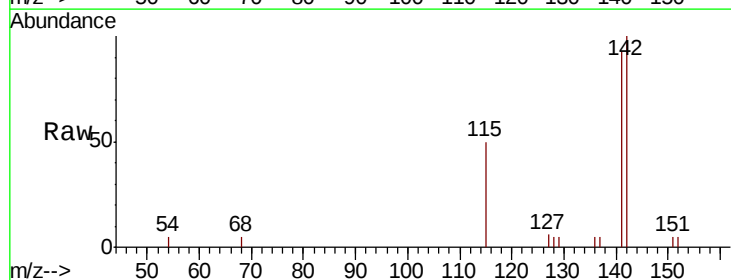
Acq: 05 Dec 2020 16:50

Tgt Ion:142 Resp: 1724

Ion Ratio Lower Upper

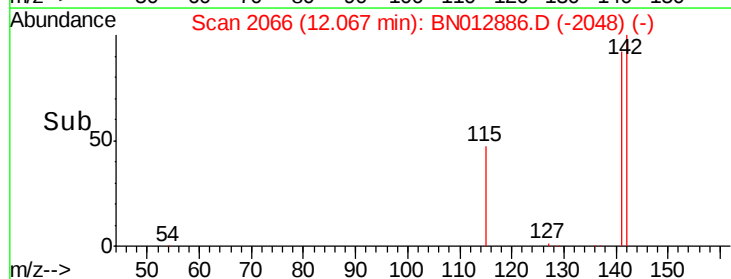
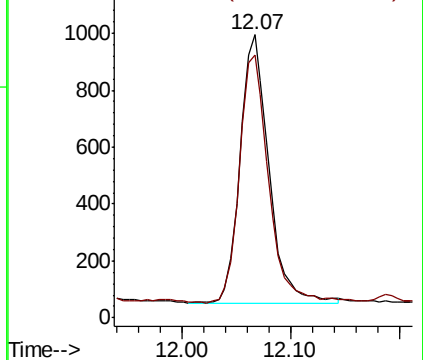
142 100

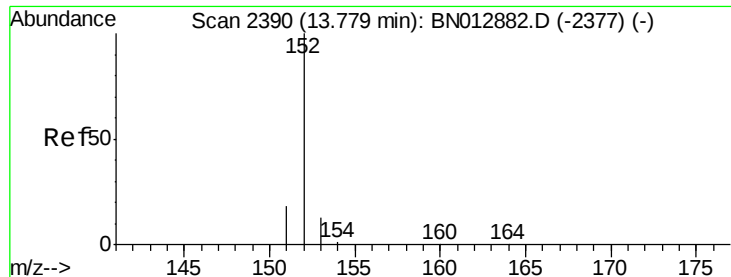
141 94.6 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.457 ng/ul

RT: 13.77 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

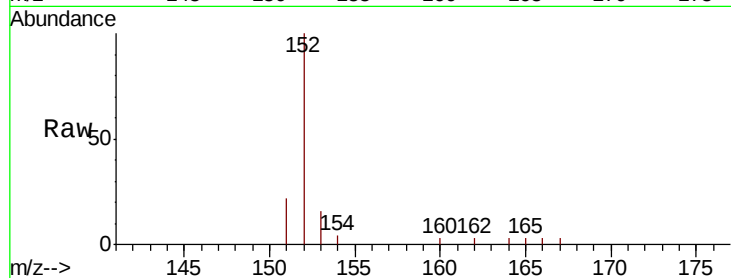
BNA_N

ClientSampleId :

SSTD0.4004

Tot Ion:152 Resp: 2570

Ion	Ratio	Lower	Upper
152	100		
151	22.3	17.0	25.4
153	15.5	12.5	18.7



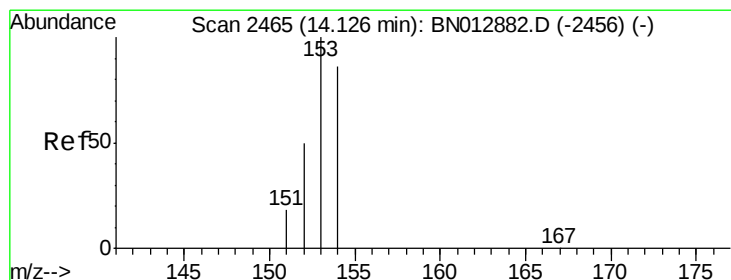
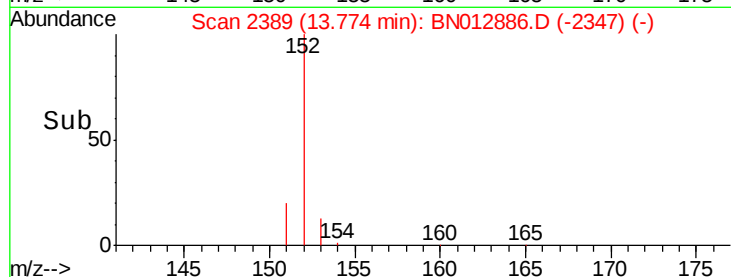
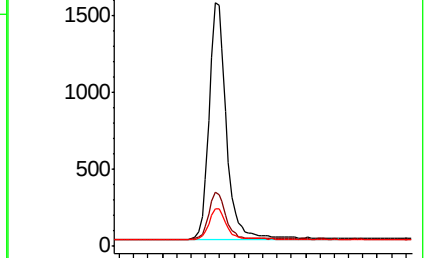
Abundance

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

13.77



#11

Acenaphthene

Concen: 0.432 ng/ul

RT: 14.13 min Scan# 2465

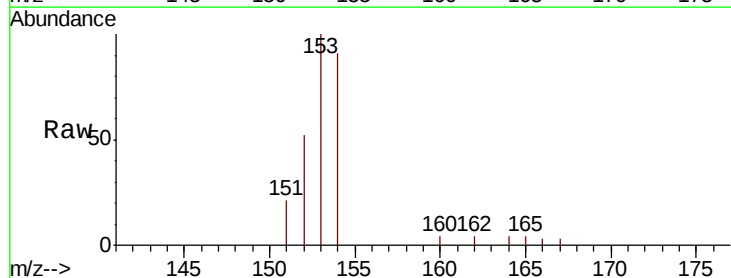
Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Tgt Ion:153 Resp: 2080

Ion	Ratio	Lower	Upper
153	100		
152	52.0	39.9	59.9
154	91.0	69.9	104.9



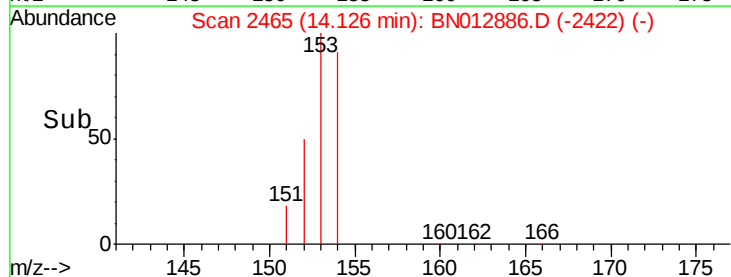
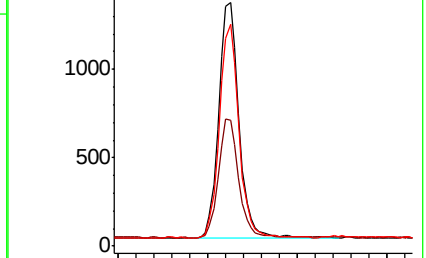
Abundance

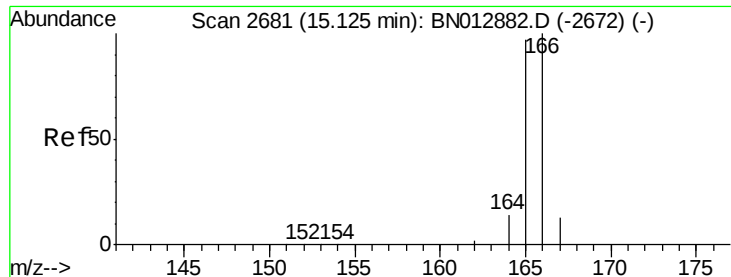
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.13





#12

Fluorene

Concen: 0.442 ng/ul

RT: 15.12 min Scan# 2681

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

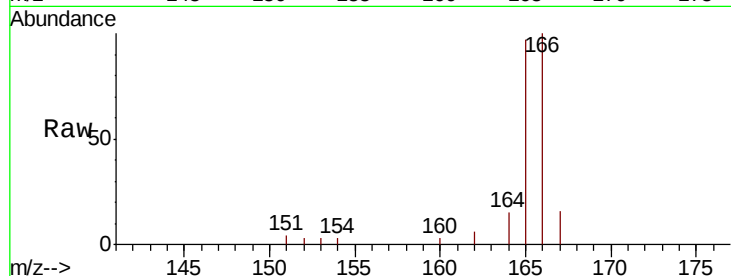
Tot Ion:166 Resp: 2384

Ion Ratio Lower Upper

166 100

165 97.3 78.6 117.8

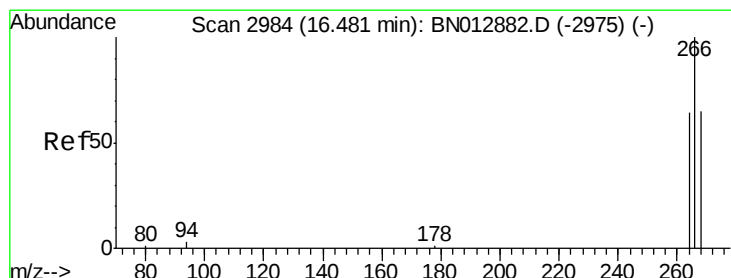
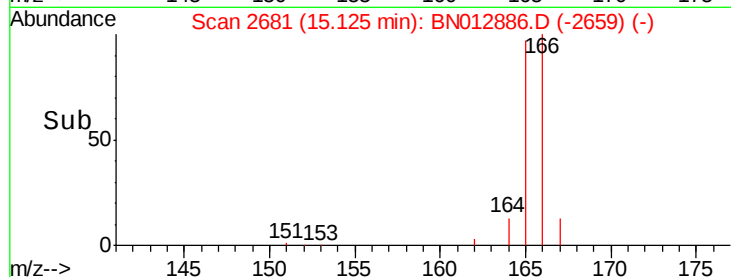
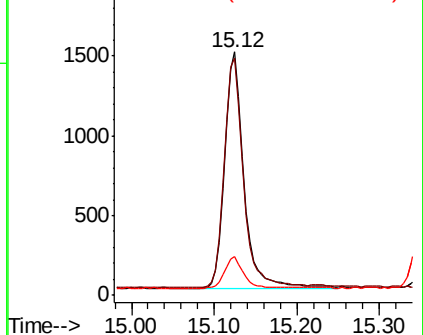
167 16.0 12.6 19.0



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: 0.418 ng/ul

RT: 16.48 min Scan# 2984

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

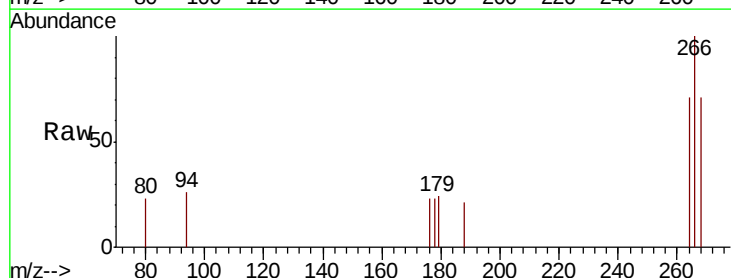
Tgt Ion:266 Resp: 313

Ion Ratio Lower Upper

266 100

264 63.9 48.6 73.0

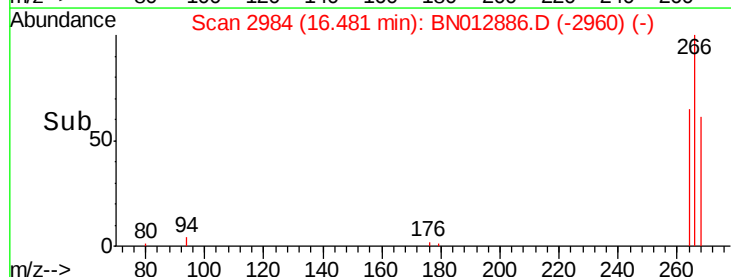
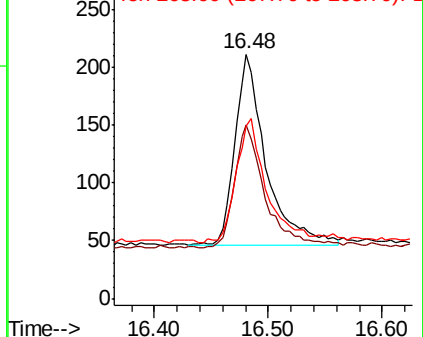
268 66.5 55.2 82.8

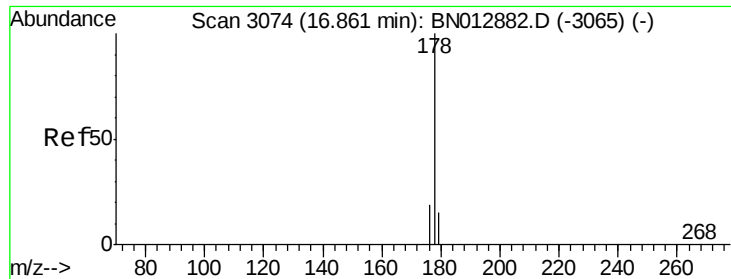


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

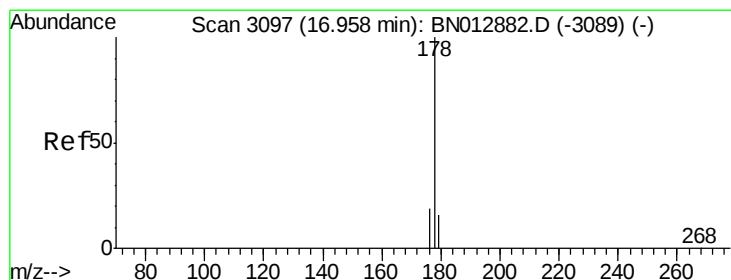
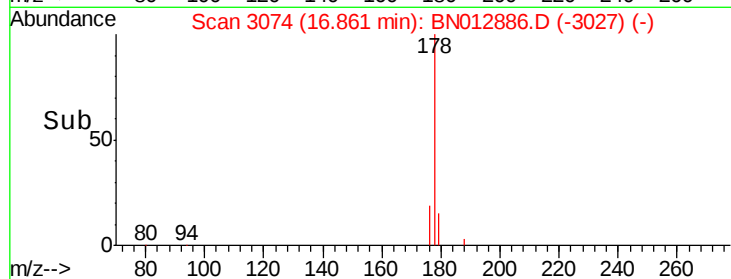
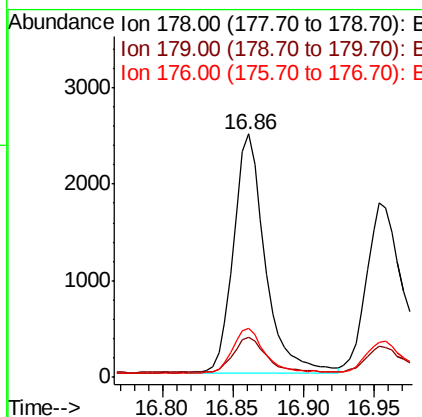
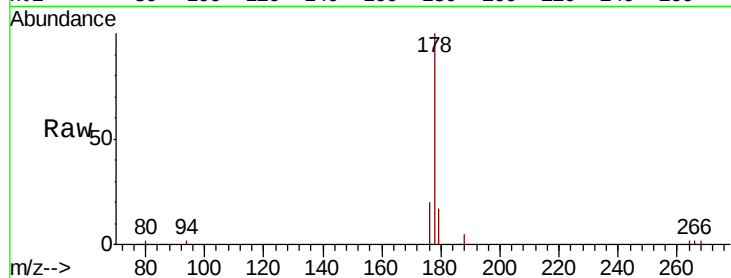




#15
Phenanthrene
Concen: 0.422 ng/ul
RT: 16.86 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BN012886.D
Acq: 05 Dec 2020 16:50

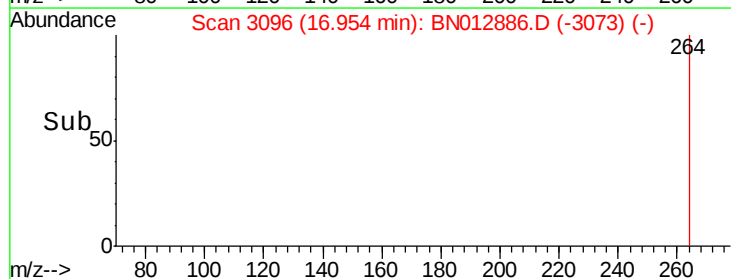
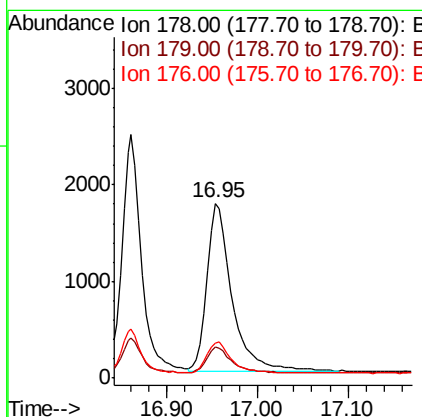
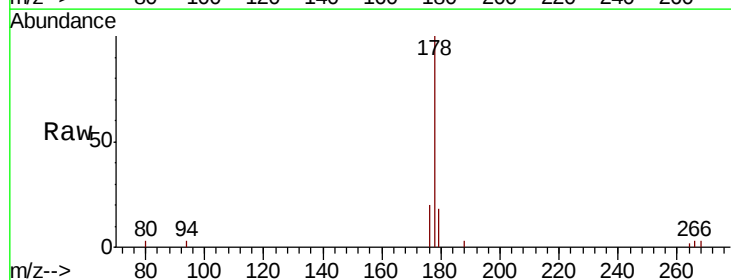
Instrument :
BNA_N
ClientSampleId :
SSTD0.4004

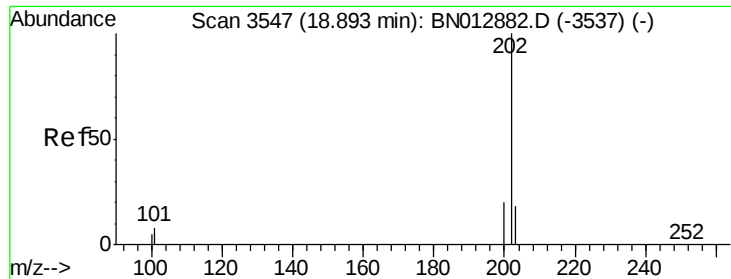
Tot Ion:178 Resp: 3825
Ion Ratio Lower Upper
178 100
179 16.6 13.0 19.6
176 20.3 15.8 23.8



#16
Anthracene
Concen: 0.443 ng/ul
RT: 16.95 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BN012886.D
Acq: 05 Dec 2020 16:50

Tgt Ion:178 Resp: 3299
Ion Ratio Lower Upper
178 100
179 17.6 14.2 21.4
176 20.0 15.9 23.9





#18

Fluoranthene

Concen: 0.442 ng/ul

RT: 18.89 min Scan# 3547

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

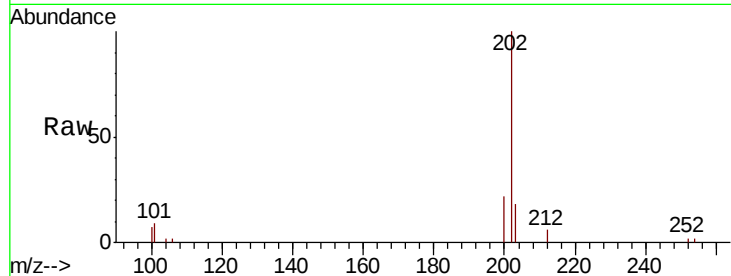
Tot Ion:202 Resp: 4440

Ion Ratio Lower Upper

202 100

101 8.8 8.2 12.2

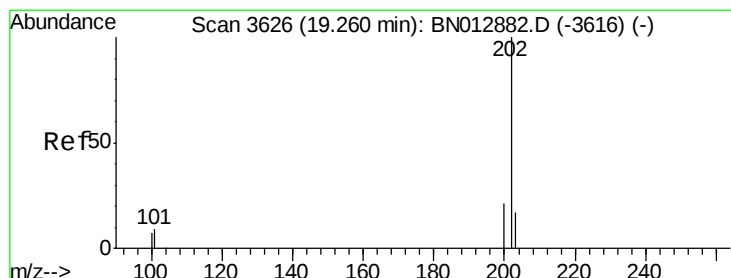
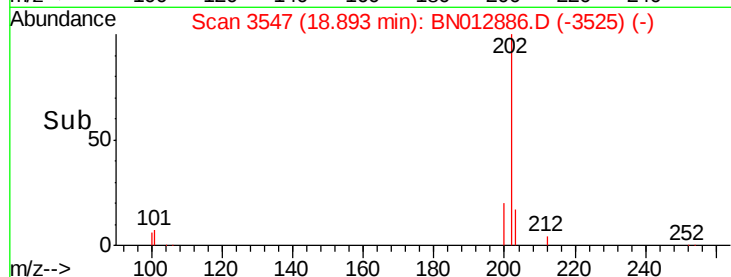
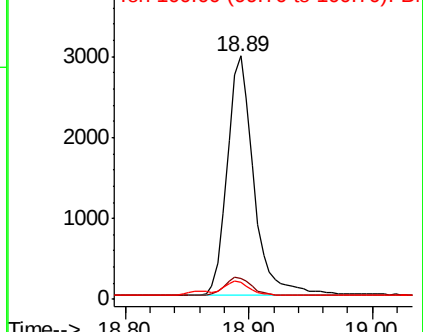
100 7.3 6.9 10.3



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: 0.433 ng/ul

RT: 19.26 min Scan# 3626

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

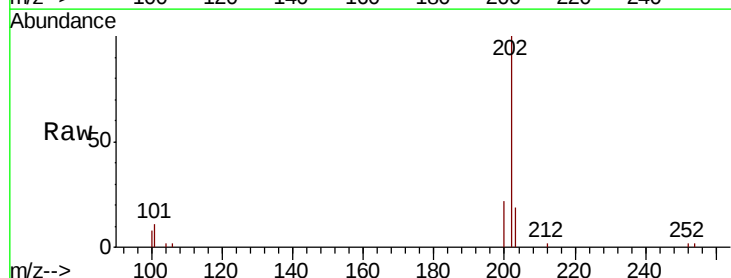
Tgt Ion:202 Resp: 4516

Ion Ratio Lower Upper

202 100

101 10.5 9.4 14.2

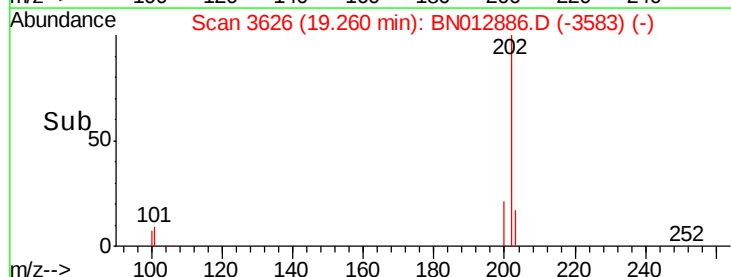
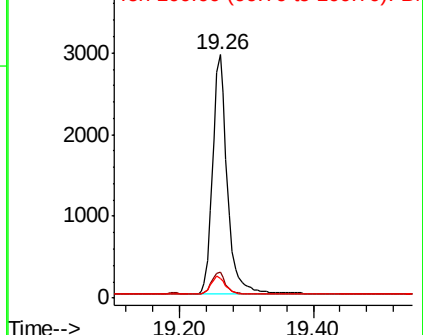
100 8.2 8.6 12.8#

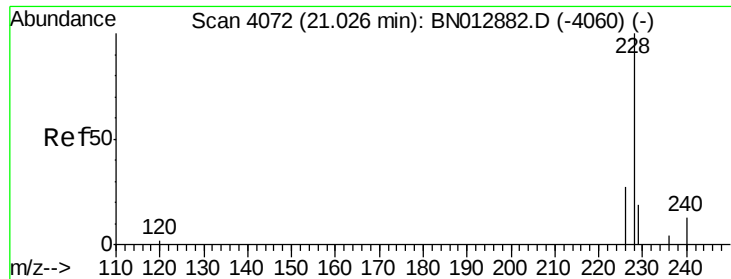


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.447 ng/ul

RT: 21.03 min Scan# 4072

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

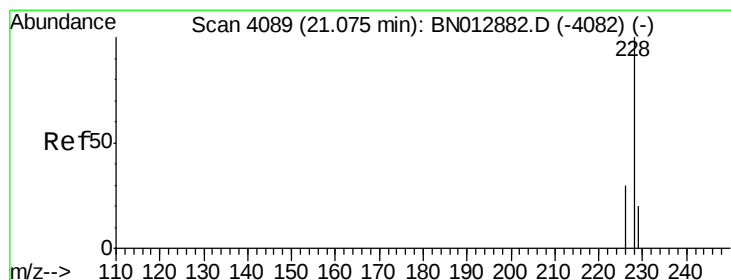
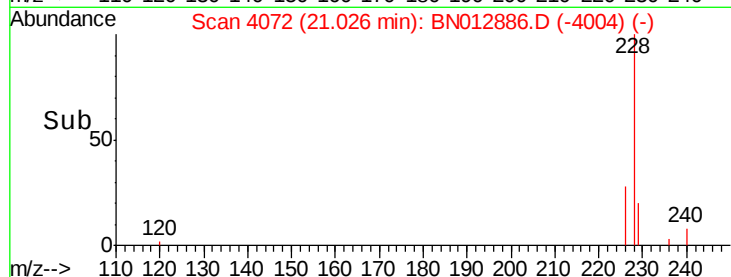
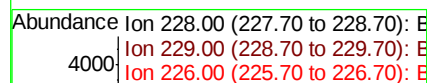
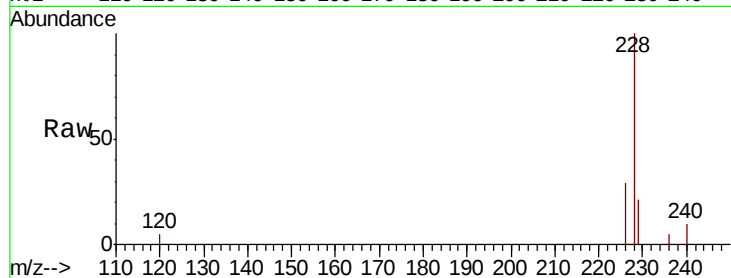
Tot Ion:228 Resp: 3600

Ion Ratio Lower Upper

228 100

229 21.1 16.6 25.0

226 28.9 23.5 35.3



#22

Chrysene

Concen: 0.440 ng/ul

RT: 21.08 min Scan# 4090

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

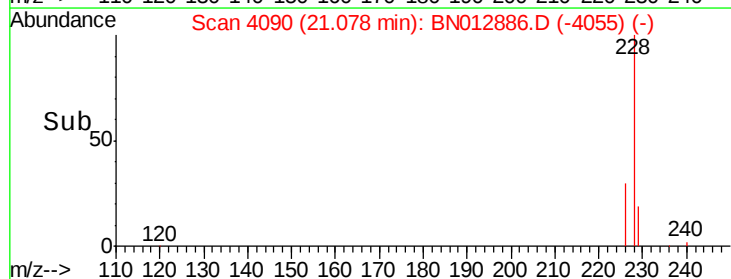
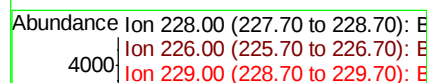
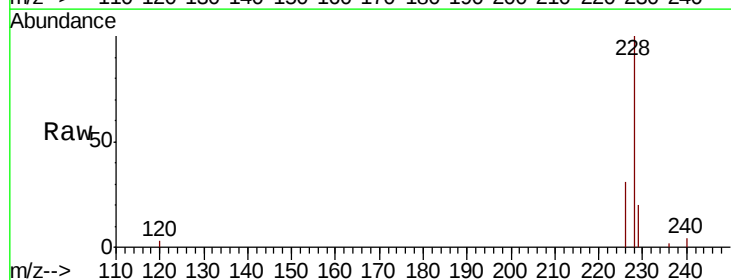
Tgt Ion:228 Resp: 4260

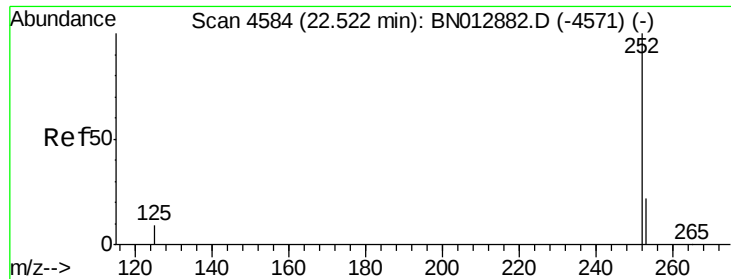
Ion Ratio Lower Upper

228 100

226 31.3 23.9 35.9

229 19.9 16.6 24.8





#24

Benzo(b)fluoranthene

Concen: 0.445 ng/ul

RT: 22.52 min Scan# 4585

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

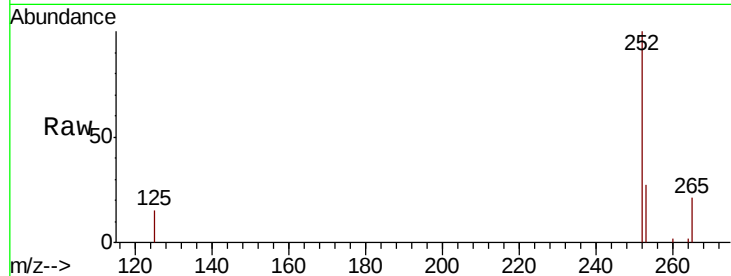
Tot Ion:252 Resp: 4645

Ion Ratio Lower Upper

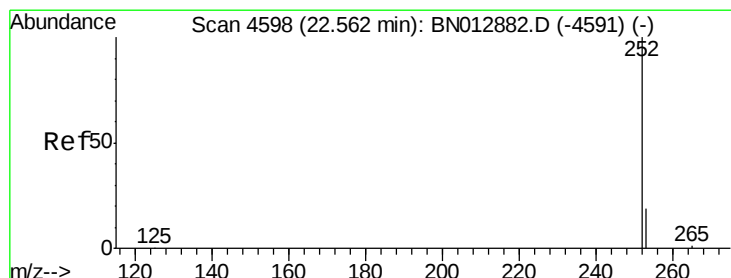
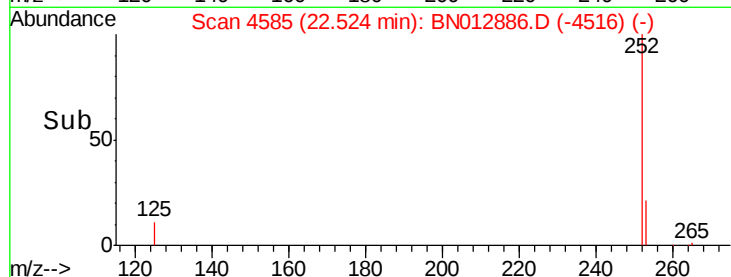
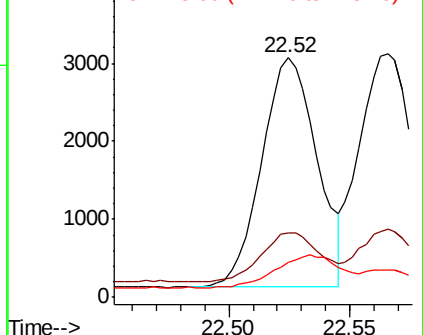
252 100

253 27.0 0.0 59.2

125 14.5 0.0 30.2



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: 0.434 ng/ul

RT: 22.57 min Scan# 4599

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

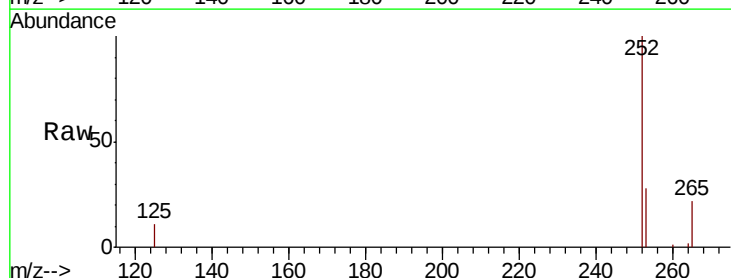
Tgt Ion:252 Resp: 5205

Ion Ratio Lower Upper

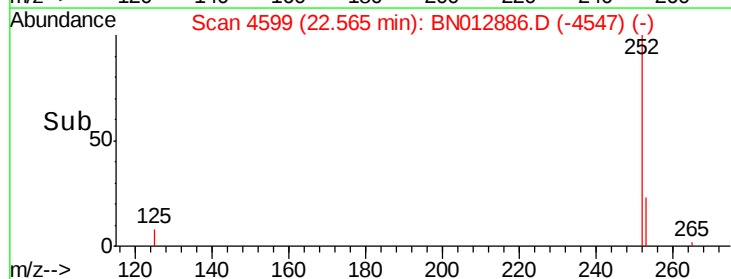
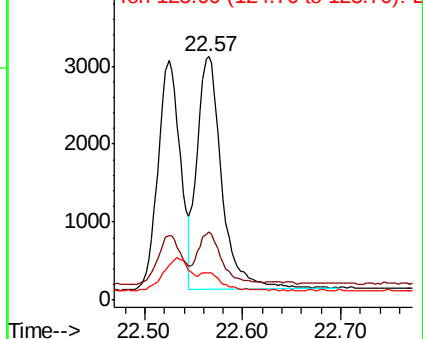
252 100

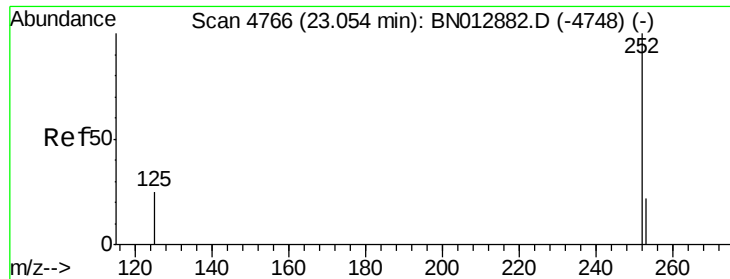
253 27.9 23.3 34.9

125 11.5 10.6 15.8



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





#26

Benzo(a)pyrene

Concen: 0.462 ng/uL

RT: 23.05 min Scan# 4766

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleID :

SSTD0.4004

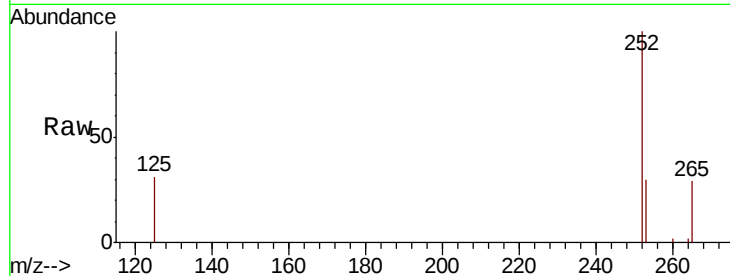
Tot Ion:252 Resp: 4532

Ion Ratio Lower Upper

252 100

253 30.2 27.4 41.0

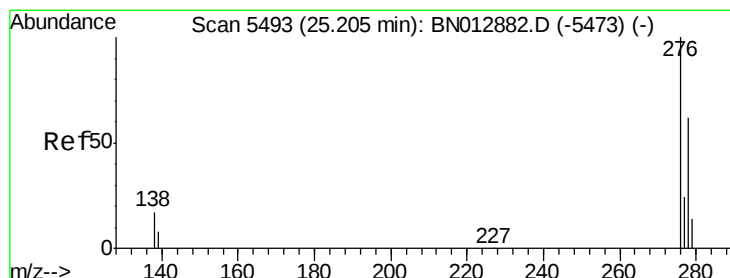
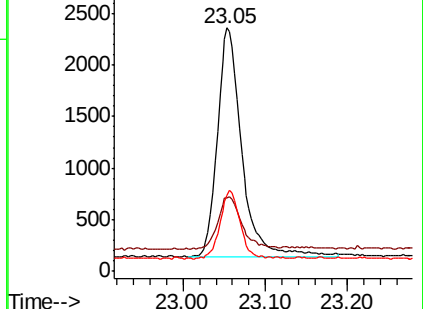
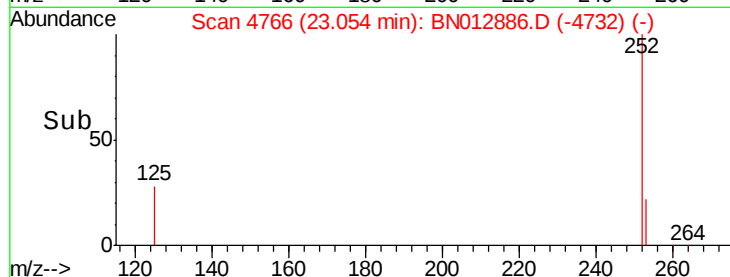
125 31.2 17.7 26.5#



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: 0.456 ng/uL

RT: 25.21 min Scan# 5494

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

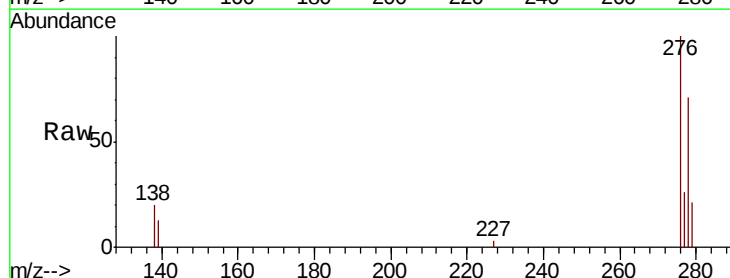
Tgt Ion:276 Resp: 5894

Ion Ratio Lower Upper

276 100

138 18.5 16.3 24.5

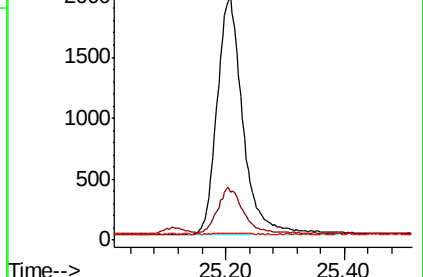
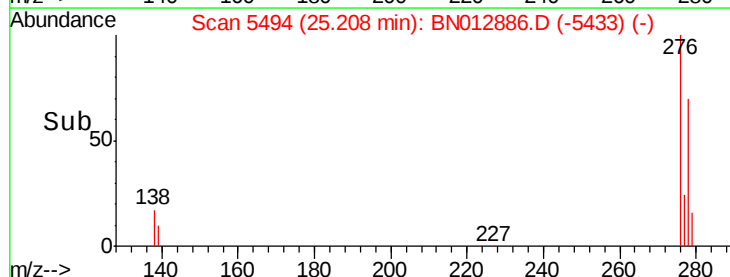
227 0.1 0.1 0.1

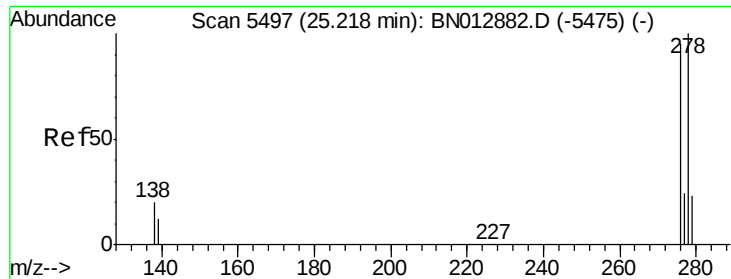


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.450 ng/ul

RT: 25.22 min Scan# 5497

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

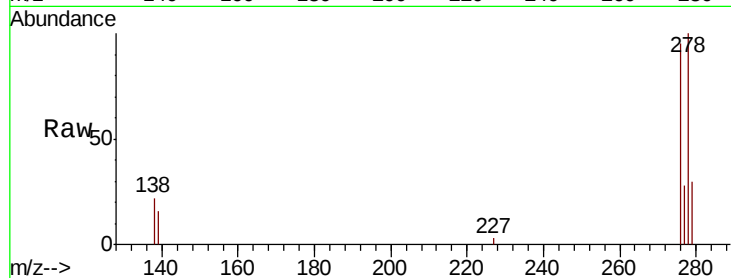
Tot Ion:278 Resp: 4676

Ion Ratio Lower Upper

278 100

139 16.3 13.4 20.2

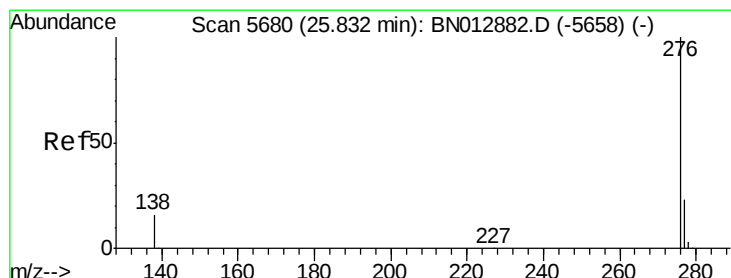
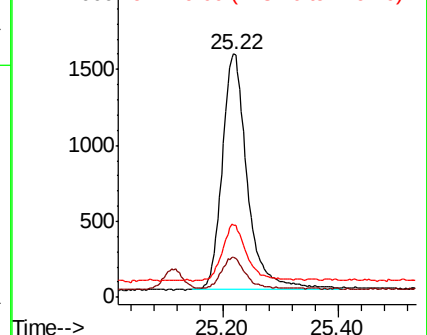
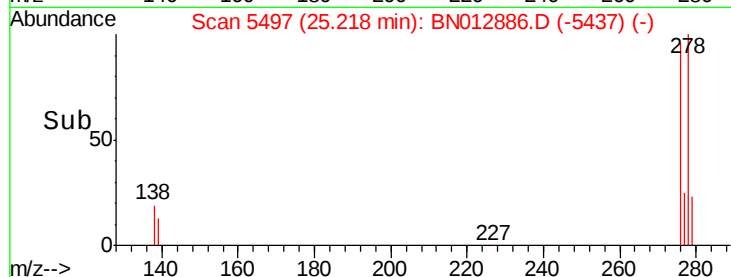
279 29.6 25.8 38.6



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: 0.432 ng/ul

RT: 25.83 min Scan# 5680

Delta R.T. 0.00 min

Lab File: BN012886.D

Acq: 05 Dec 2020 16:50

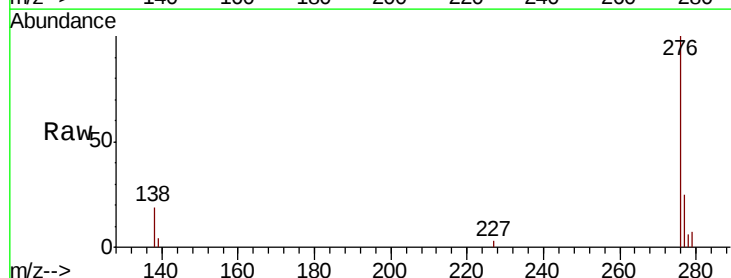
Tgt Ion:276 Resp: 5154

Ion Ratio Lower Upper

276 100

138 19.3 17.1 25.7

277 25.5 21.4 32.0



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

