

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051221\
 Data File : BN014576.D
 Acq On : 12 May 2021 12:54
 Operator : CG/JU
 Sample : SST0.804
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST0.8004

Quant Time: May 12 13:24:27 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 12:52:43 2021
 Response via : Initial Calibration

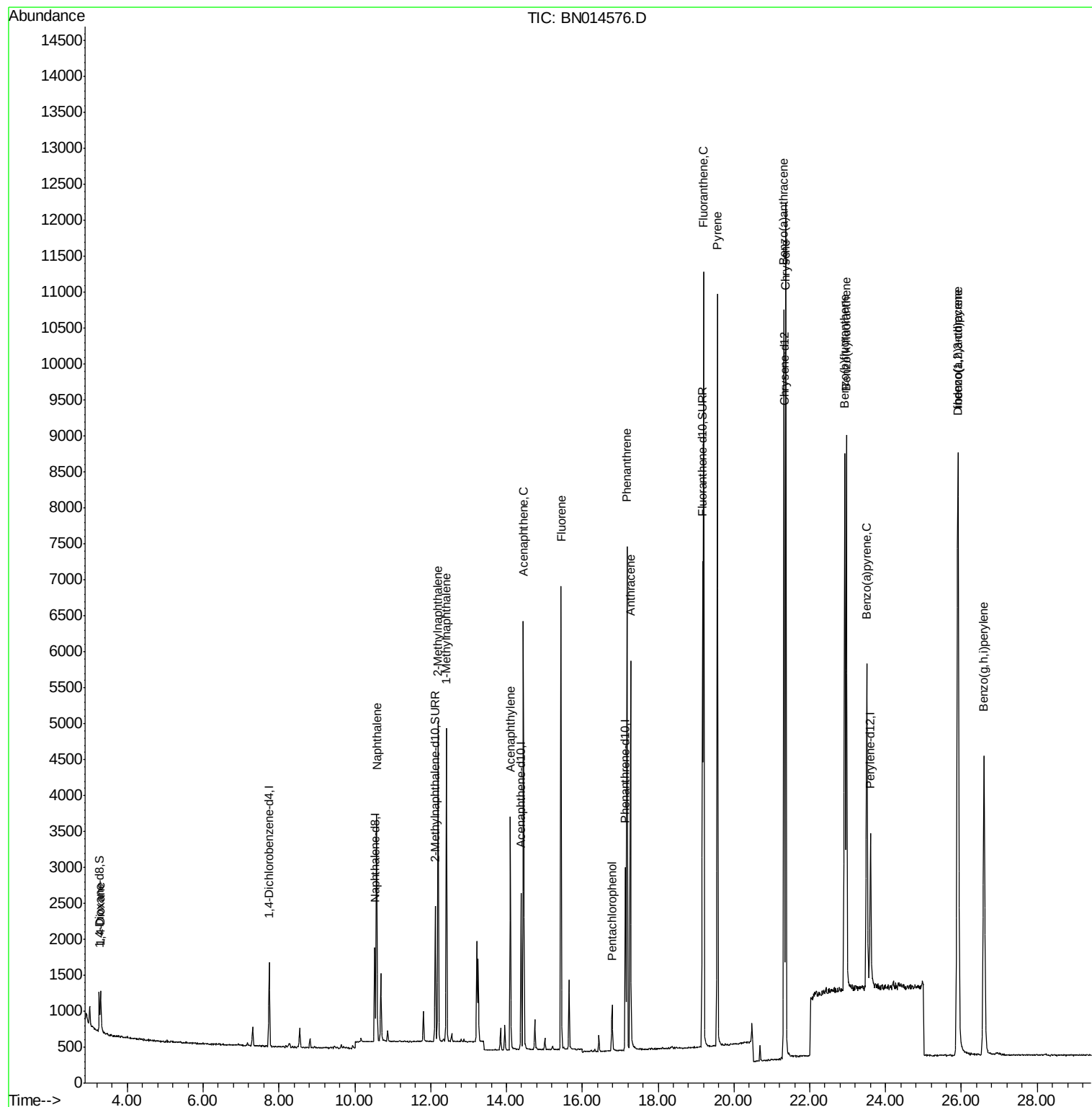
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	562	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	1816	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1197	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.14	188	2974	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3488	0.40	ng/ul	0.00
23) Perylene-d12	23.60	264	2869	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	460	0.75	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	2459	0.88	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	7596	0.71	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.30	88	471	0.755	ng/ul#	92
5) Naphthalene	10.58	128	4160	0.774	ng/ul	96
7) 2-Methylnaphthalene	12.19	142	2966	0.866	ng/ul	98
8) 1-Methylnaphthalene	12.42	142	2887	0.877	ng/ul	97
10) Acenaphthylene	14.10	152	3648	0.651	ng/ul	97
11) Acenaphthene	14.45	153	3244	0.742	ng/ul	99
12) Fluorene	15.44	166	3973	0.815	ng/ul	100
14) Pentachlorophenol	16.78	266	454	0.472	ng/ul	97
15) Phenanthrene	17.18	178	7139	0.744	ng/ul	97
16) Anthracene	17.27	178	5965	0.710	ng/ul	99
19) Fluoranthene	19.20	202	9187	0.657	ng/ul	98
20) Pyrene	19.56	202	8917	0.626	ng/ul	99
21) Benzo(a)anthracene	21.31	228	8403	0.651	ng/ul	100
22) Chrysene	21.37	228	9945	0.743	ng/ul	99
24) Benzo(b)fluoranthene	22.92	252	9798	0.758	ng/ul	97
25) Benzo(k)fluoranthene	22.96	252	10336	0.787	ng/ul	97
26) Benzo(a)pyrene	23.50	252	7656	0.715	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.90	276	11254	0.763	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.92	278	9362	0.794	ng/ul	97
29) Benzo(a,h,i)perylene	26.60	276	9438	0.759	ng/ul	98

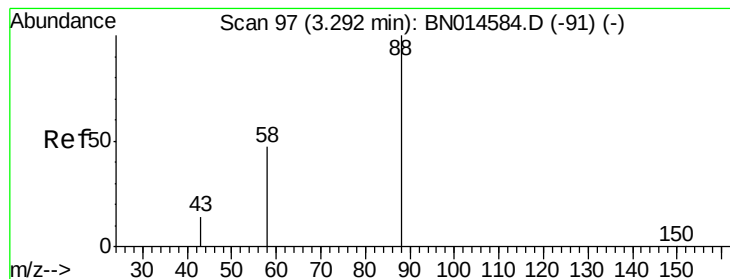
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.755 ng/ul

RT: 3.30 min Scan# 98

Delta R.T. -0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.8004

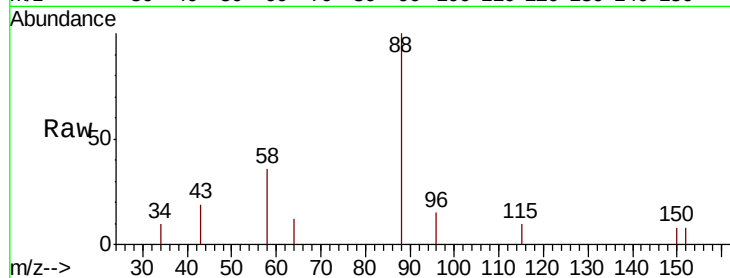
Tot Ion: 88 Resp: 471

Ion Ratio Lower Upper

88 100

43 19.0 15.7 23.5

58 36.3 23.8 35.6#

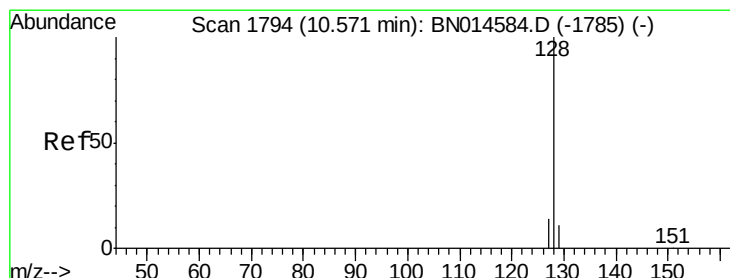
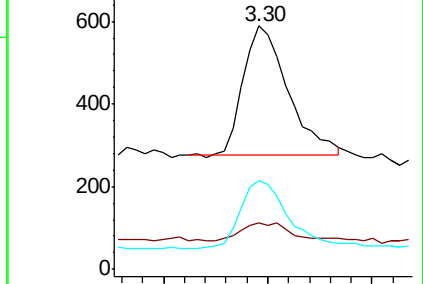
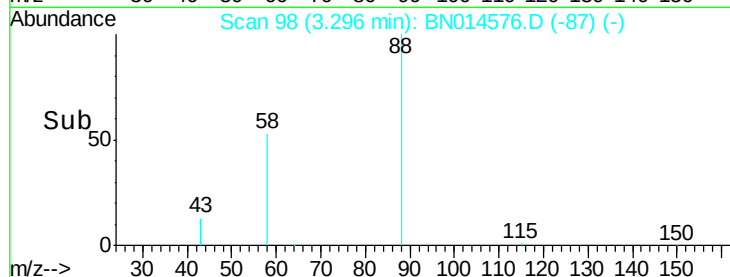


Abundance Ion 88.00 (87.70 to 88.70): BN014584.D (-91) (-)

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: 0.774 ng/ul

RT: 10.58 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

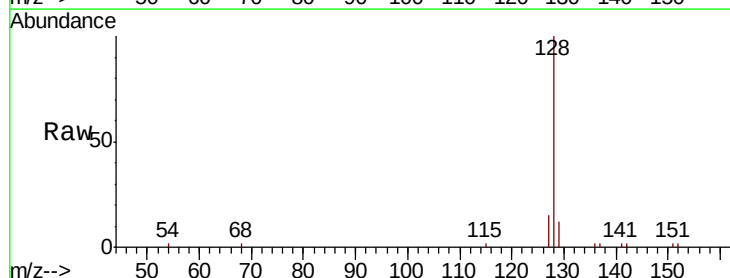
Tgt Ion: 128 Resp: 4160

Ion Ratio Lower Upper

128 100

129 12.5 11.6 17.4

127 15.4 13.3 19.9

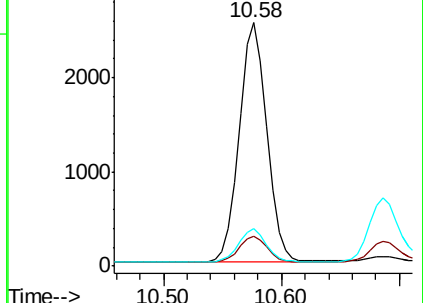
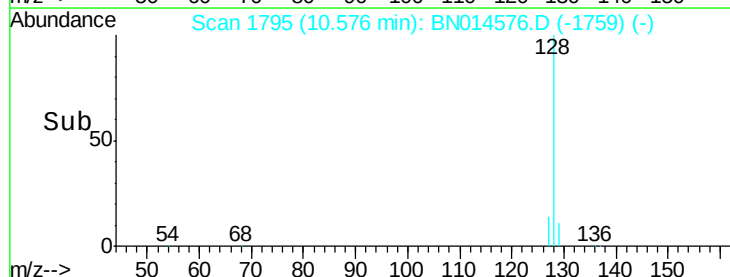


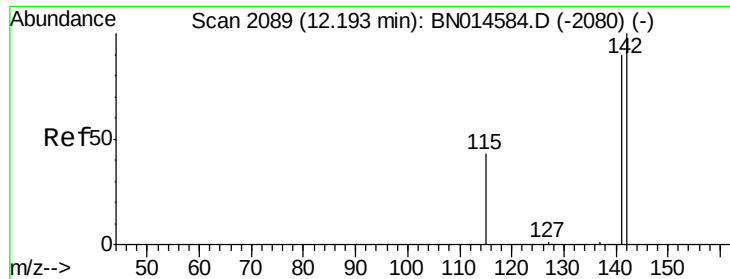
Abundance Ion 128.00 (127.70 to 128.70): BN014584.D (-1785) (-)

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: 0.866 ng/ul

RT: 12.19 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

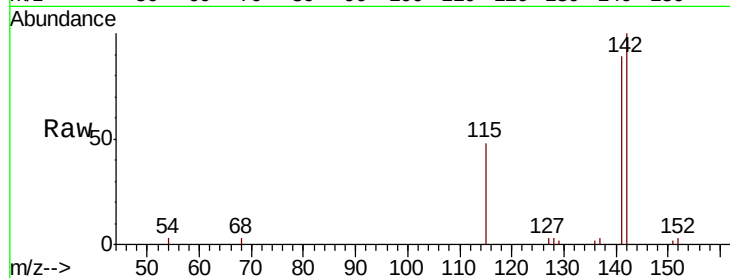
SSTD0.8004

Tot Ion:142 Resp: 2966

Ion Ratio Lower Upper

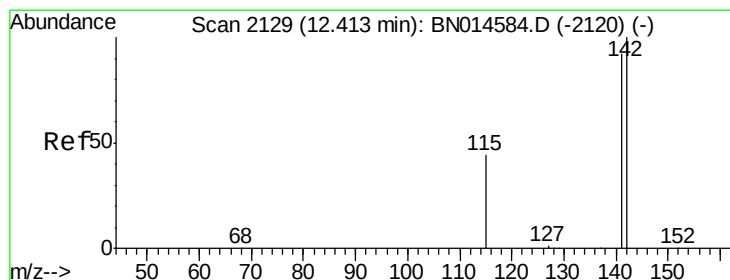
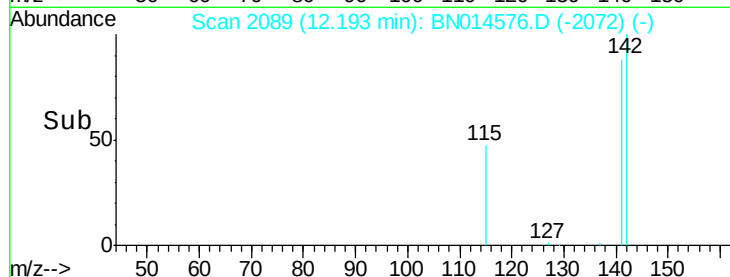
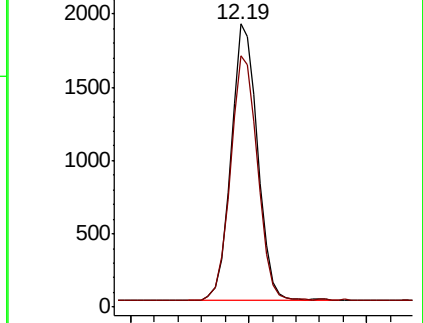
142 100

141 90.3 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: 0.877 ng/ul

RT: 12.42 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BN014576.D

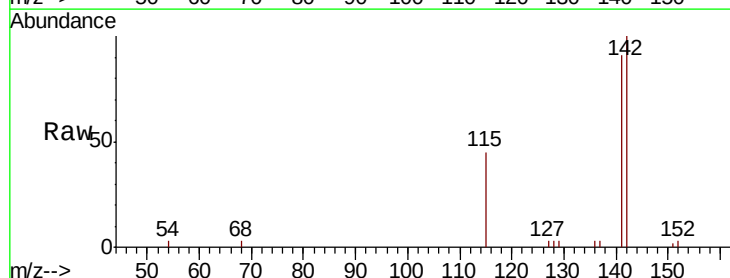
Acq: 12 May 2021 12:54

Tgt Ion:142 Resp: 2887

Ion Ratio Lower Upper

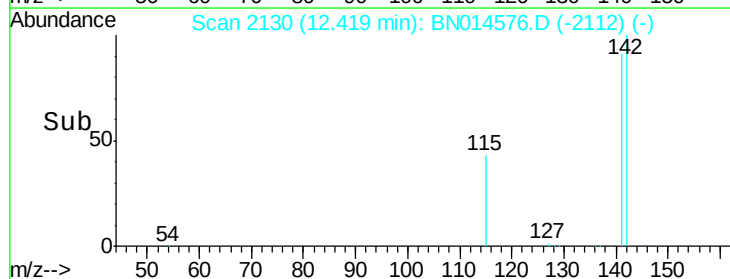
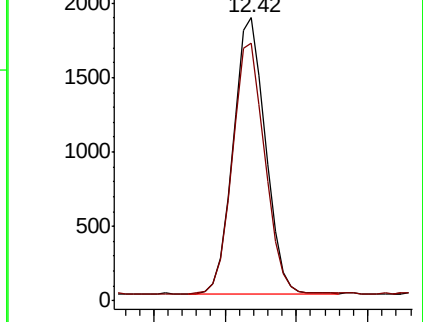
142 100

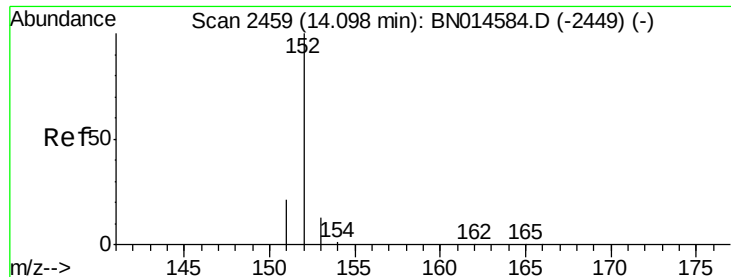
141 92.4 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.651 ng/ul

RT: 14.10 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.8004

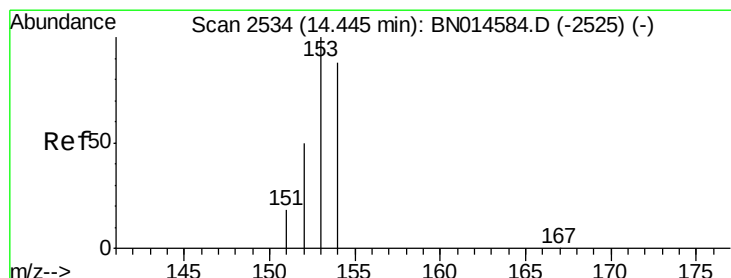
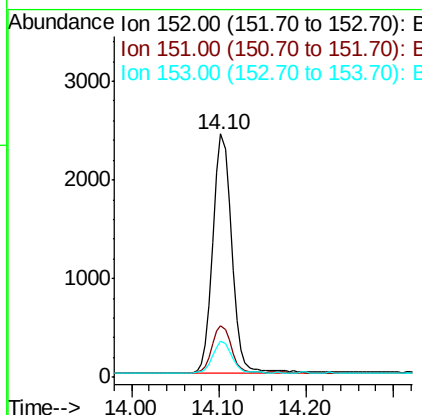
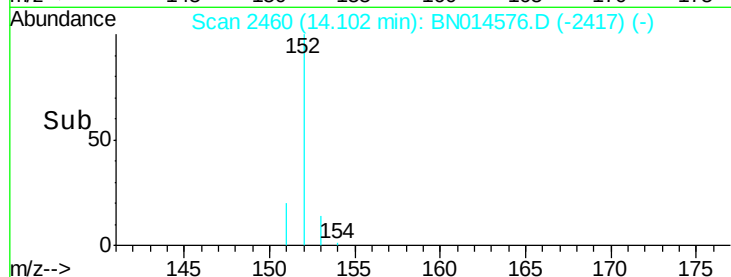
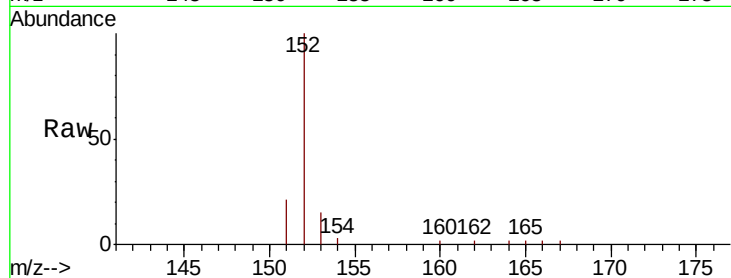
Tot Ion:152 Resp: 3648

Ion Ratio Lower Upper

152 100

151 21.3 18.2 27.2

153 15.1 12.8 19.2



#11

Acenaphthene

Concen: 0.742 ng/ul

RT: 14.45 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

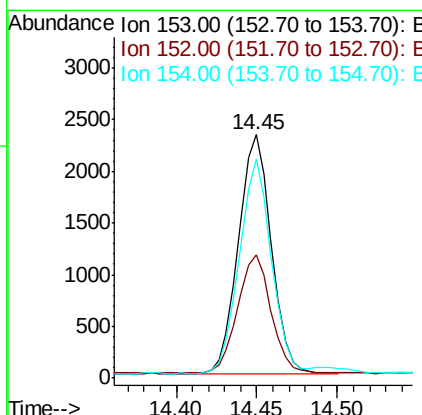
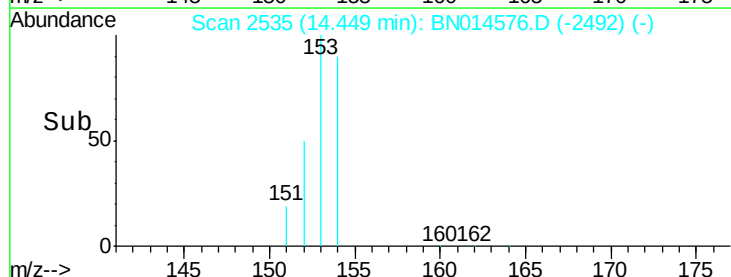
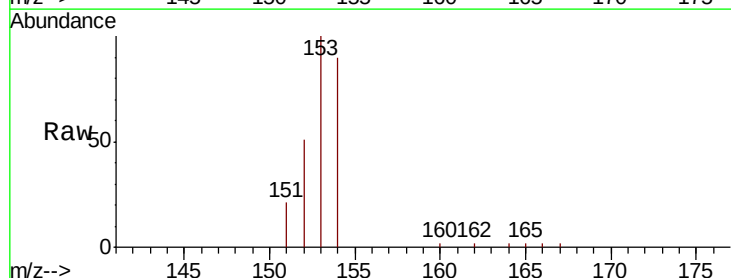
Tgt Ion:153 Resp: 3244

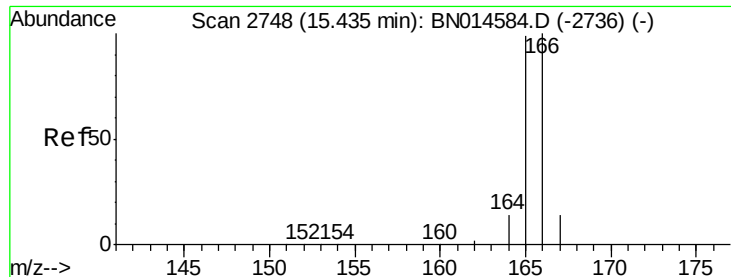
Ion Ratio Lower Upper

153 100

152 50.9 40.9 61.3

154 89.8 70.7 106.1





#12

Fluorene

Concen: 0.815 ng/ul

RT: 15.44 min Scan# 2749

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.8004

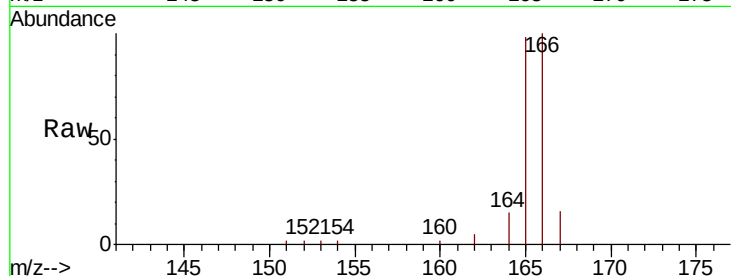
Tot Ion:166 Resp: 3973

Ion Ratio Lower Upper

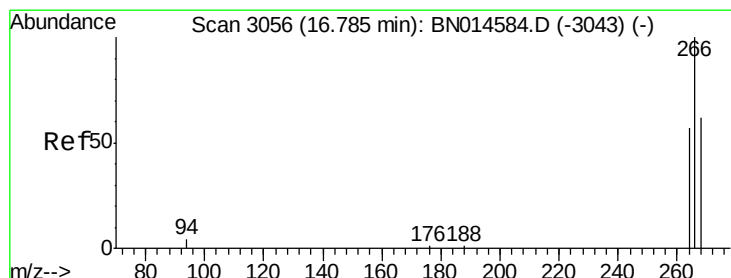
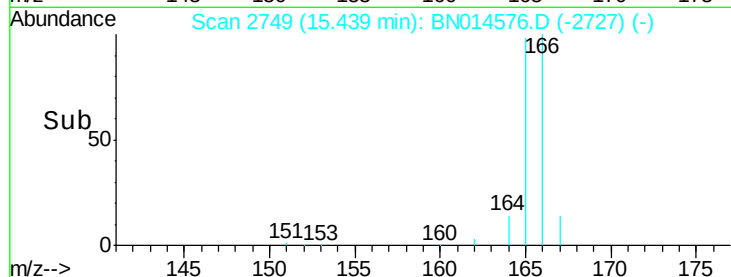
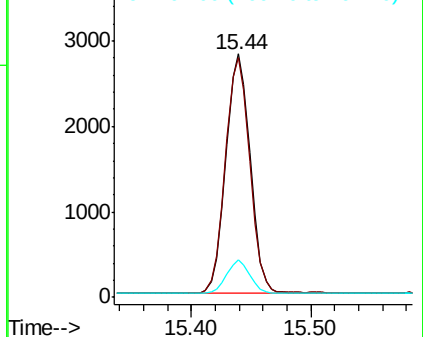
166 100

165 98.2 78.6 118.0

167 15.5 13.2 19.8



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: 0.472 ng/ul

RT: 16.78 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

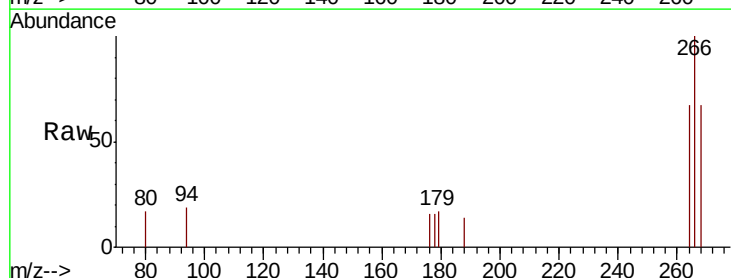
Tgt Ion:266 Resp: 454

Ion Ratio Lower Upper

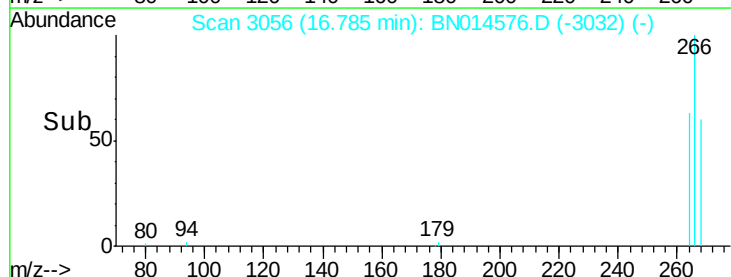
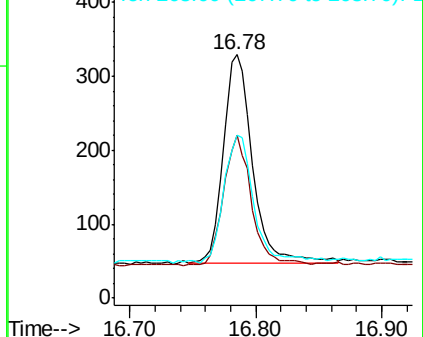
266 100

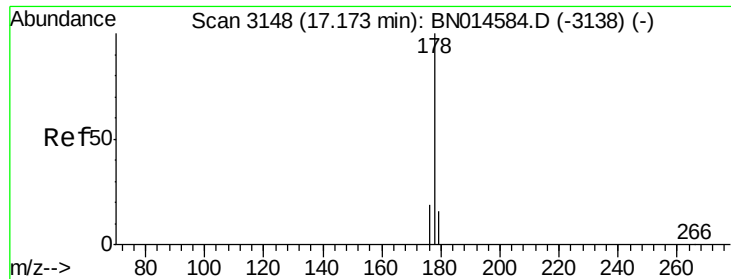
264 59.7 49.4 74.2

268 63.9 49.1 73.7



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: 0.744 ng/ul

RT: 17.18 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.8004

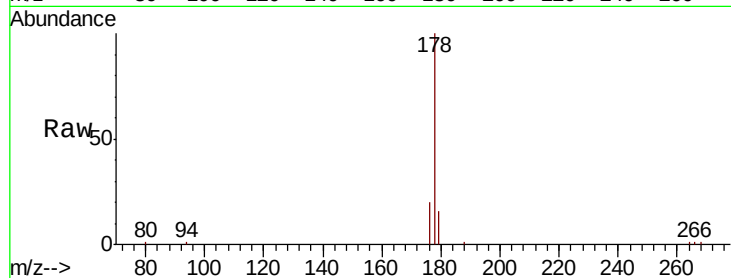
Tot Ion:178 Resp: 7139

Ion Ratio Lower Upper

178 100

179 15.9 14.1 21.1

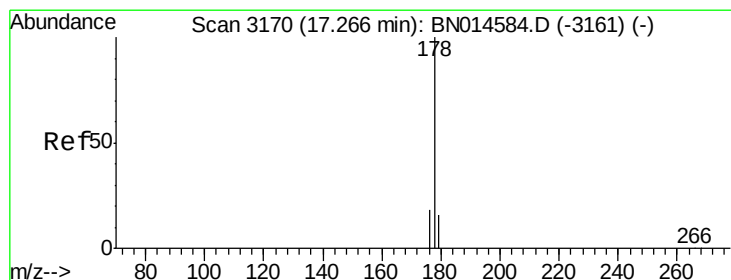
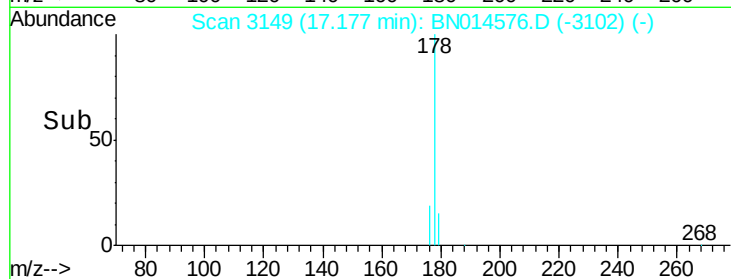
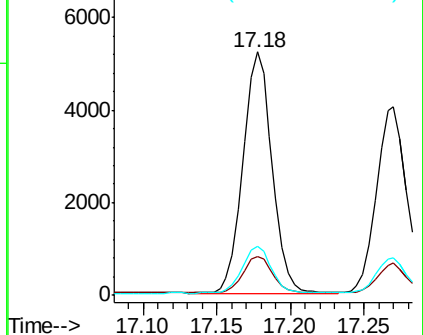
176 20.1 16.9 25.3



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: 0.710 ng/ul

RT: 17.27 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

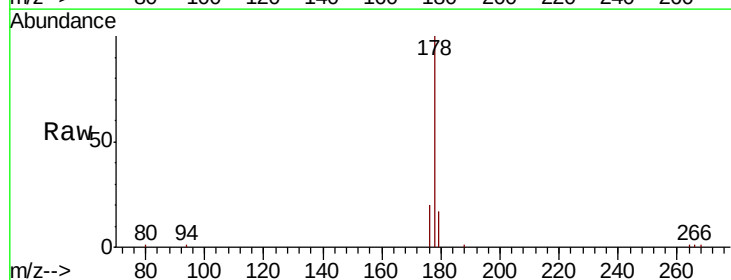
Tgt Ion:178 Resp: 5965

Ion Ratio Lower Upper

178 100

179 17.1 14.1 21.1

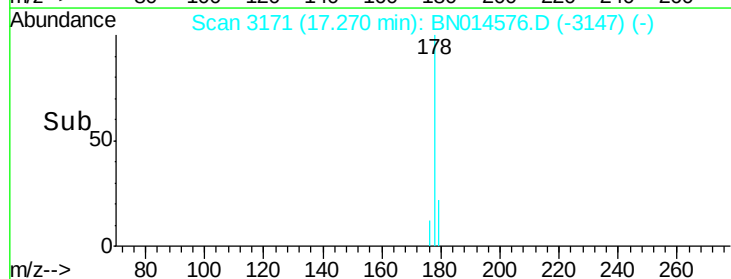
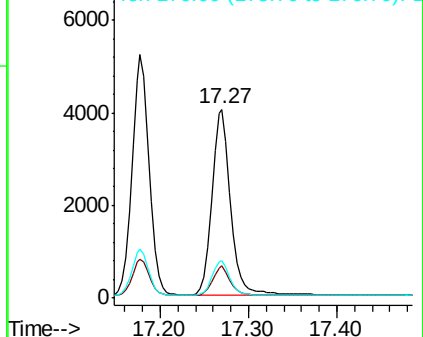
176 19.7 15.8 23.6

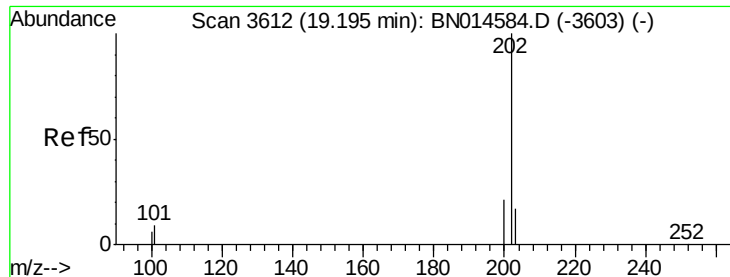


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.657 ng/ul

RT: 19.20 min Scan# 3613

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

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ClientSampleId :

SSTD0.8004

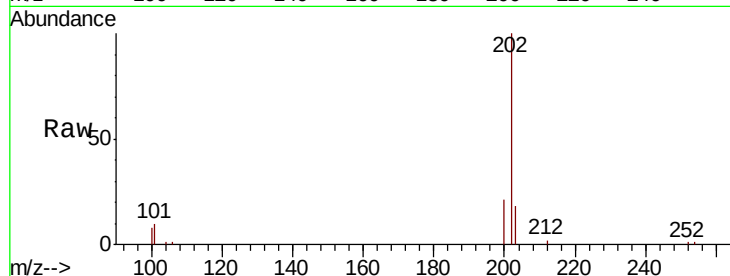
Tot Ion:202 Resp: 9187

Ion Ratio Lower Upper

202 100

101 9.7 8.3 12.5

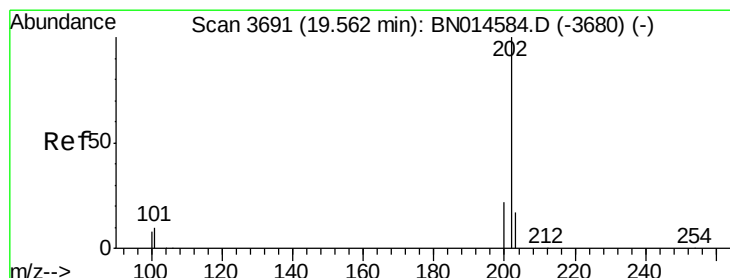
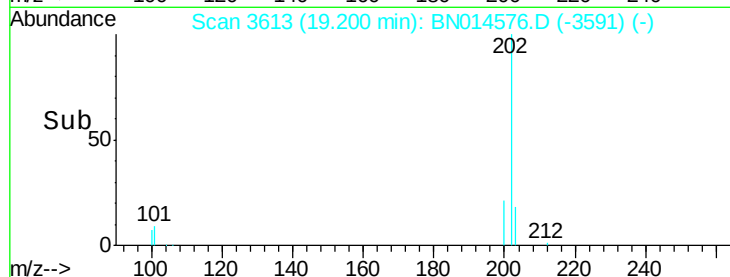
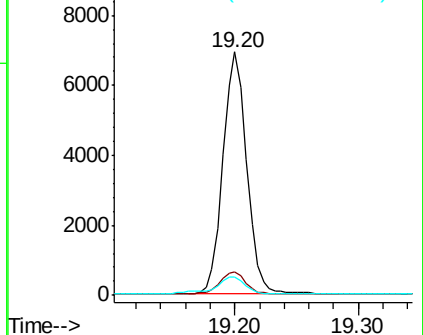
100 7.6 6.7 10.1



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: 0.626 ng/ul

RT: 19.56 min Scan# 3691

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

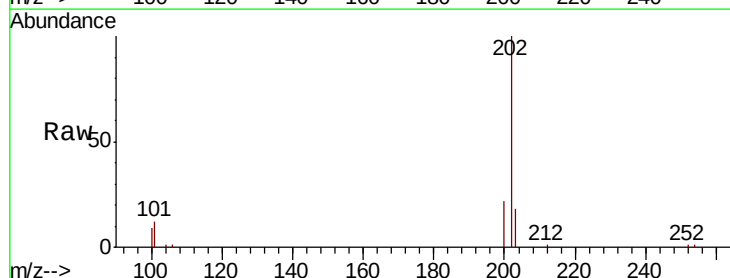
Tgt Ion:202 Resp: 8917

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

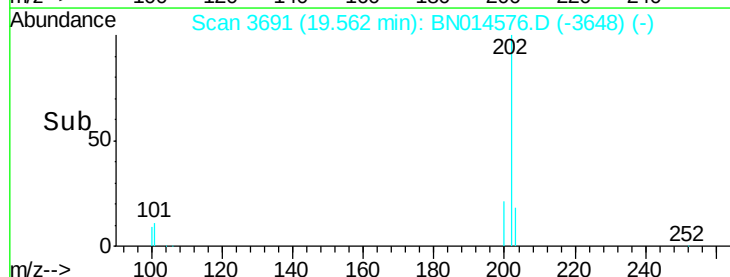
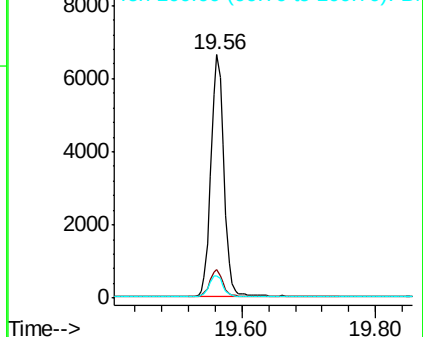
100 9.3 8.2 12.4

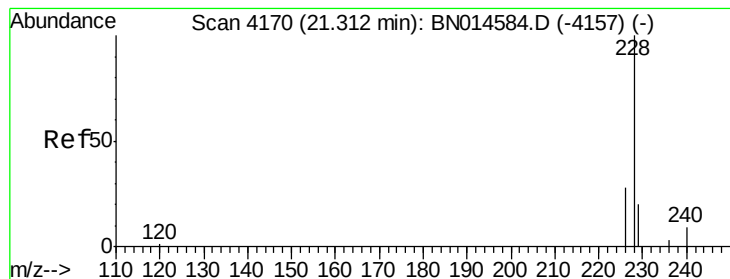


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.651 ng/ul

RT: 21.31 min Scan# 4171

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.8004

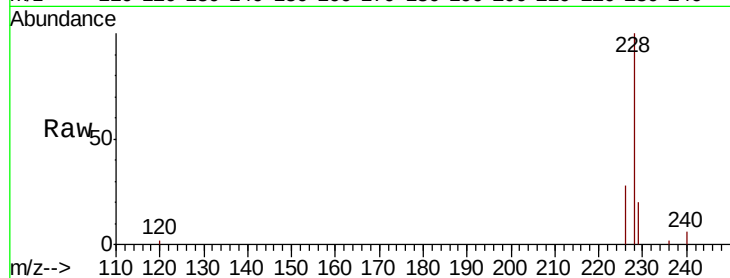
Tot Ion:228 Resp: 8403

Ion Ratio Lower Upper

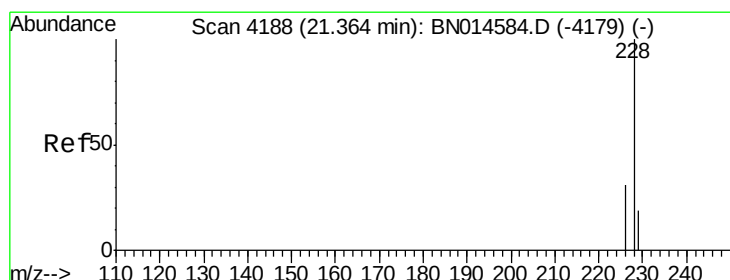
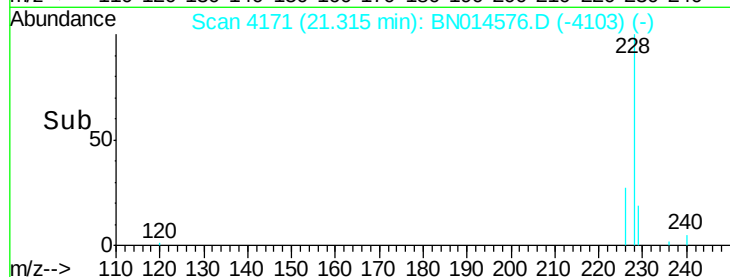
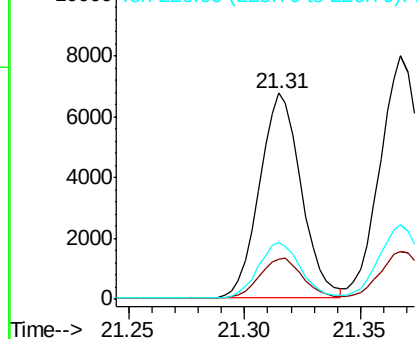
228 100

229 19.6 16.0 24.0

226 27.8 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: 0.743 ng/ul

RT: 21.37 min Scan# 4189

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

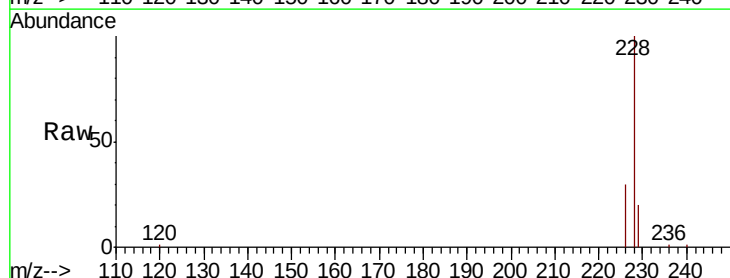
Tgt Ion:228 Resp: 9945

Ion Ratio Lower Upper

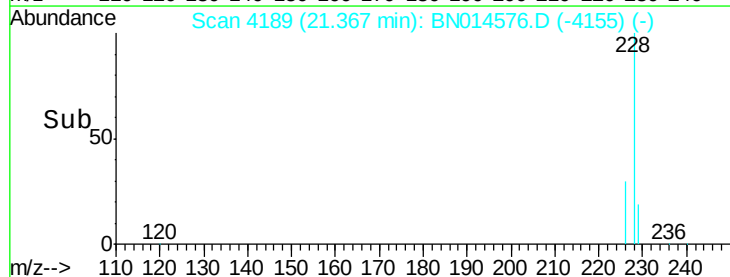
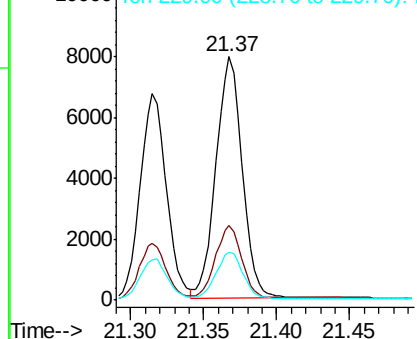
228 100

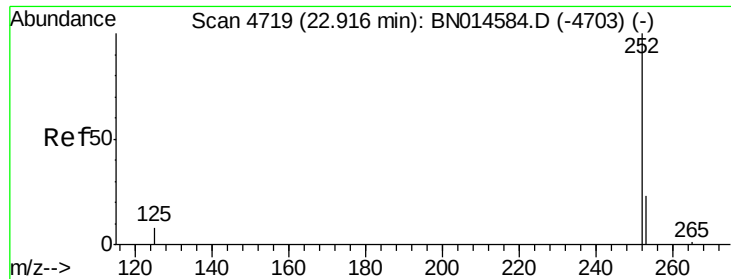
226 30.5 24.9 37.3

229 19.7 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: 0.758 ng/ul

RT: 22.92 min Scan# 4719

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.8004

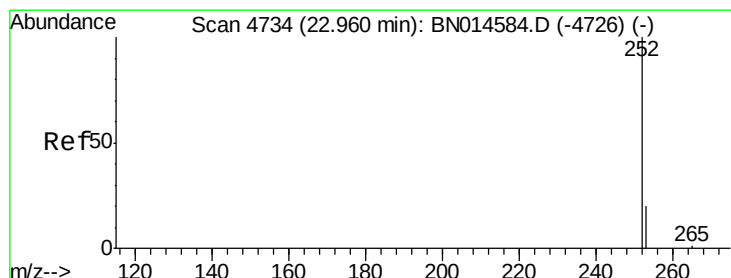
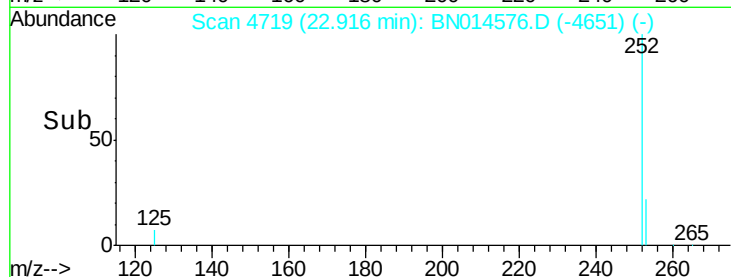
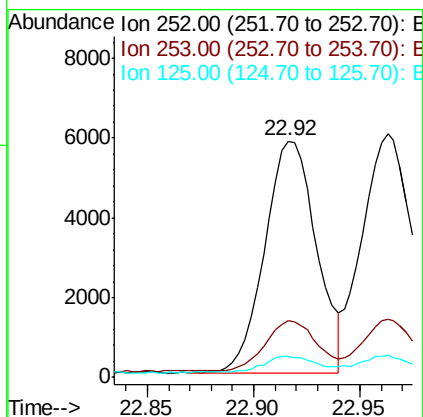
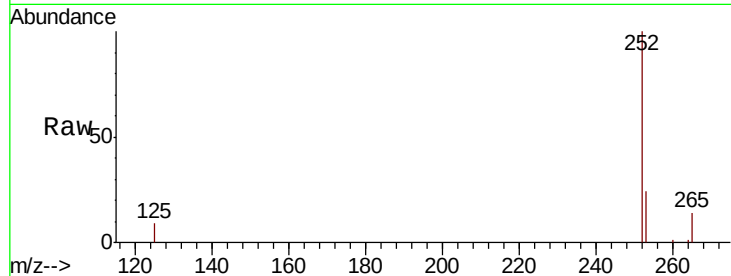
Tot Ion:252 Resp: 9798

Ion Ratio Lower Upper

252 100

253 24.0 0.0 51.0

125 8.6 0.0 20.2



#25

Benzo(k)fluoranthene

Concen: 0.787 ng/ul

RT: 22.96 min Scan# 4735

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

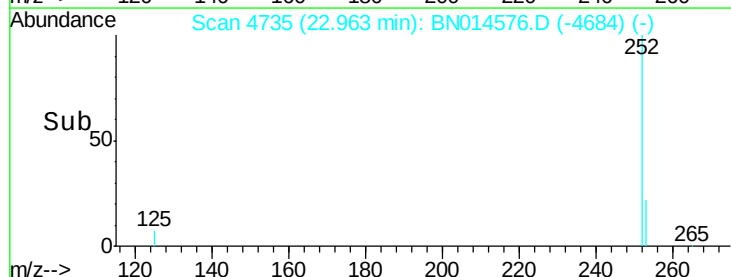
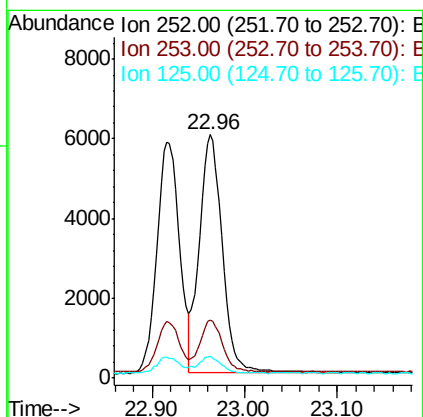
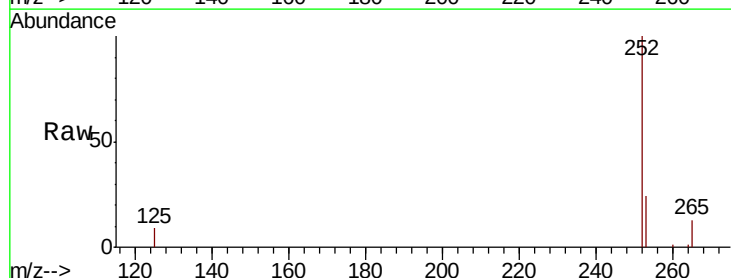
Tgt Ion:252 Resp: 10336

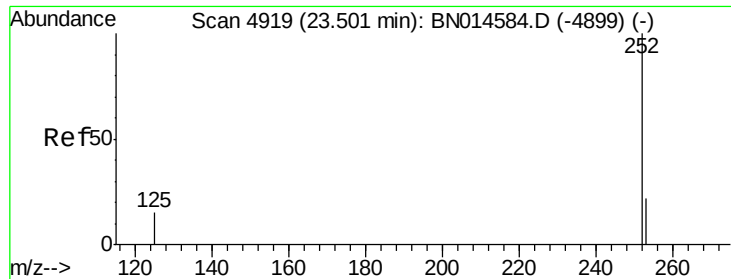
Ion Ratio Lower Upper

252 100

253 24.0 20.2 30.2

125 9.0 8.4 12.6





#26

Benzo(a)pyrene

Concen: 0.715 ng/ul

RT: 23.50 min Scan# 4919

Delta R.T. 0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.8004

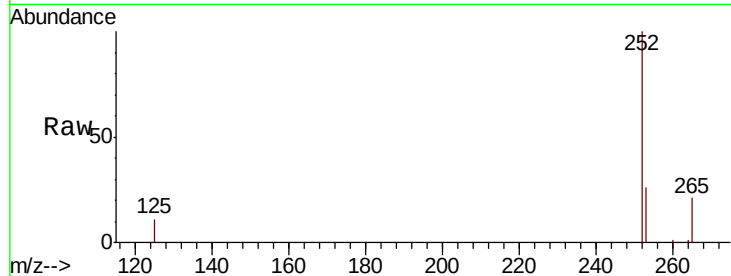
Tot Ion:252 Resp: 7656

Ion Ratio Lower Upper

252 100

253 25.5 23.0 34.4

125 10.9 11.4 17.2#

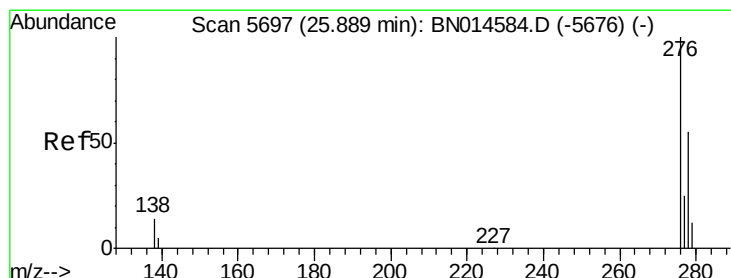
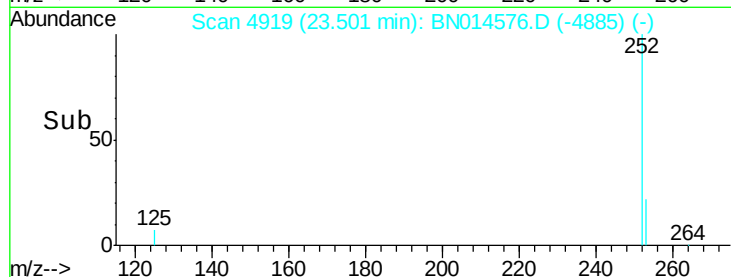
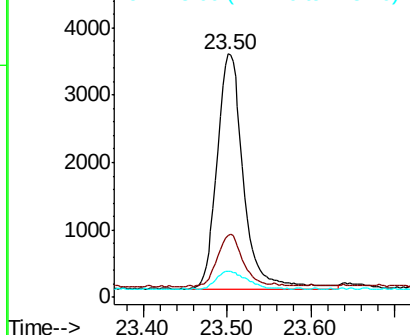


Abundance

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: 0.763 ng/ul

RT: 25.90 min Scan# 5699

Delta R.T. -0.00 min

Lab File: BN014576.D

Acq: 12 May 2021 12:54

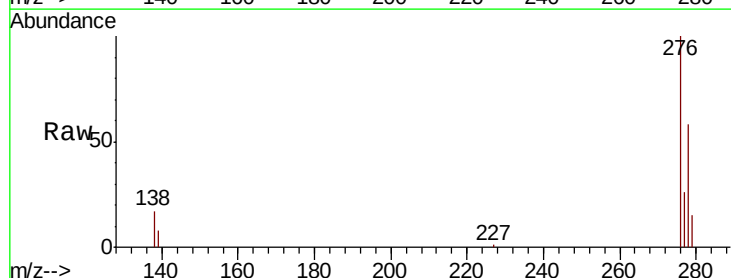
Tgt Ion:276 Resp: 11254

Ion Ratio Lower Upper

276 100

138 16.1 14.1 21.1

227 0.0 0.0 0.0#

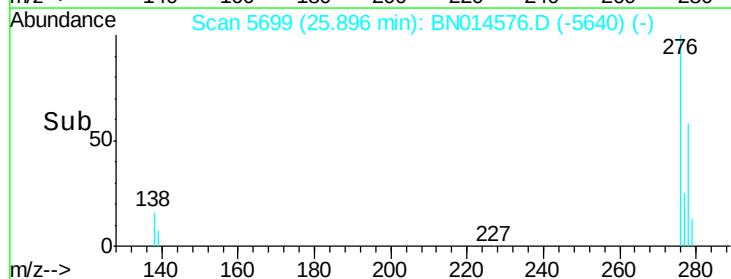
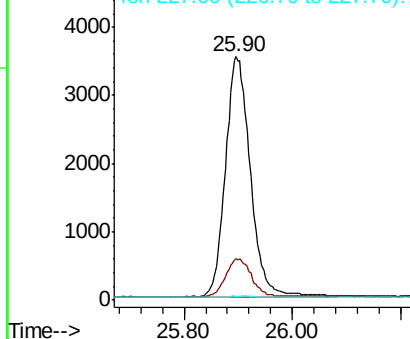


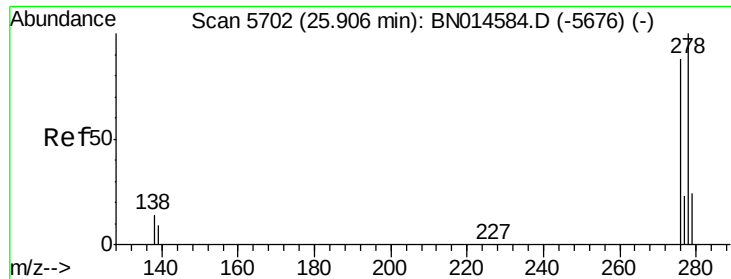
Abundance

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



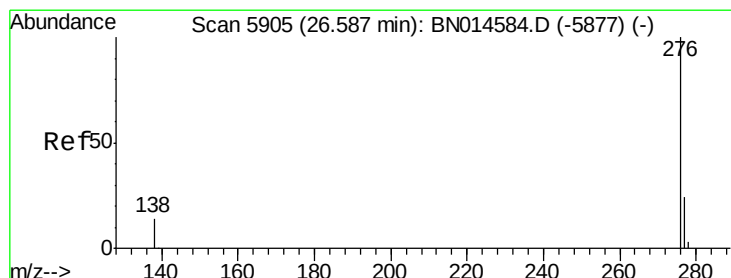
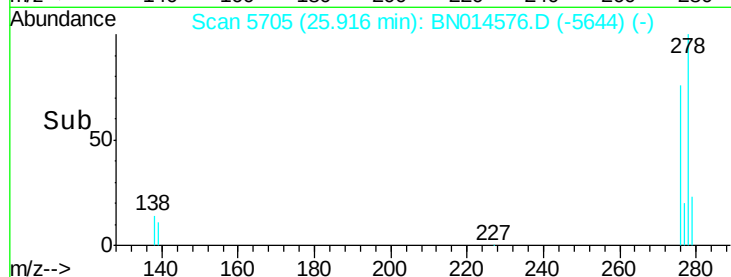
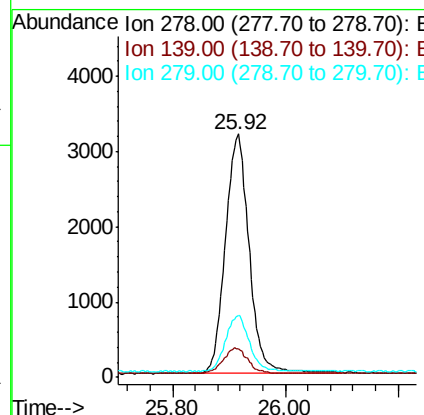
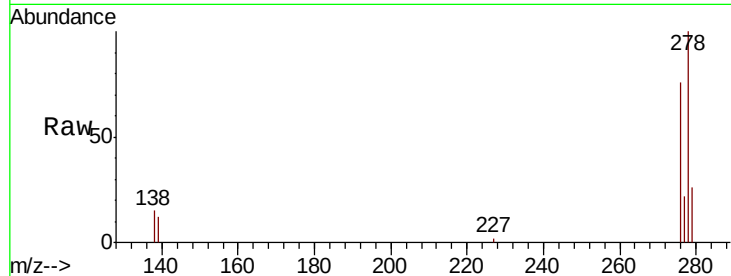


#28
Dibenzo(a,h)anthracene
Concen: 0.794 ng/ul
RT: 25.92 min Scan# 5705
Delta R.T. 0.00 min
Lab File: BN014576.D
Acq: 12 May 2021 12:54

Instrument :
BNA_N
ClientSampleId :
SSTD0.8004

Tot Ion:278 Resp: 9362

Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.4	15.6
279	25.6	21.8	32.6



#29
Benzo(g,h,i)perylene
Concen: 0.759 ng/ul
RT: 26.60 min Scan# 5908
Delta R.T. 0.00 min
Lab File: BN014576.D
Acq: 12 May 2021 12:54

Tgt Ion:276 Resp: 9438

Ion	Ratio	Lower	Upper
276	100		
138	15.4	12.6	18.8
277	24.8	20.9	31.3

