

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051421\
 Data File : BN014634.D
 Acq On : 14 May 2021 21:25
 Operator : CG/JU
 Sample : M2197-13MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 YARH8MS

Quant Time: May 14 23:29:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 15:50:11 2021
 Response via : Initial Calibration

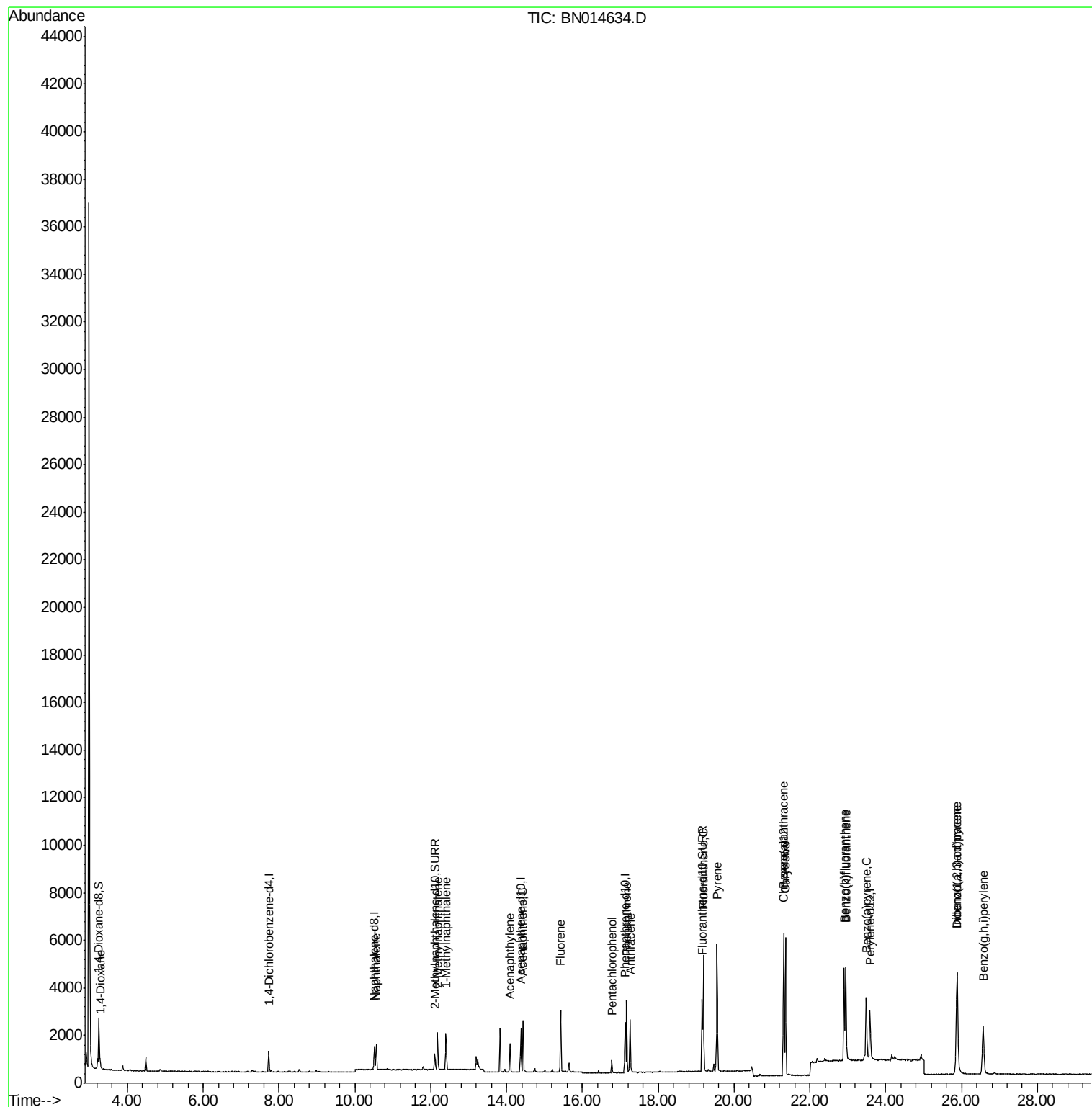
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	416	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	1383	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1002	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	2542	0.40	ng/ul	0.00
17) Chrysene-d12	21.32	240	3150	0.40	ng/ul	0.00
23) Perylene-d12	23.58	264	2807	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	1517	3.55	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.11	152	859	0.36	ng/ul	0.00
18) Fluoranthene-d10	19.16	212	3573	0.45	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.28	88	278	0.623	ng/ul	96
5) Naphthalene	10.57	128	1464	0.364	ng/ul	96
7) 2-Methylnaphthalene	12.18	142	1031	0.357	ng/ul	97
8) 1-Methylnaphthalene	12.40	142	990	0.355	ng/ul	97
10) Acenaphthylene	14.09	152	1327	0.366	ng/ul	99
11) Acenaphthene	14.44	153	1271	0.368	ng/ul	96
12) Fluorene	15.43	166	1594	0.376	ng/ul	99
14) Pentachlorophenol	16.78	266	350	0.978	ng/ul	93
15) Phenanthrene	17.17	178	3179	0.402	ng/ul	99
16) Anthracene	17.26	178	2558	0.415	ng/ul	99
19) Fluoranthene	19.19	202	4310	0.440	ng/ul	100
20) Pyrene	19.55	202	4592	0.463	ng/ul	99
21) Benzo(a)anthracene	21.30	228	4529	0.455	ng/ul	99
22) Chrysene	21.36	228	5122	0.450	ng/ul	99
24) Benzo(b)fluoranthene	22.90	252	5104	0.414	ng/ul	99
25) Benzo(k)fluoranthene	22.95	252	5499	0.423	ng/ul	99
26) Benzo(a)pyrene	23.49	252	4248	0.451	ng/ul#	98
27) Indeno(1,2,3-cd)pyrene	25.88	276	5887	0.439	ng/ul	99
28) Dibenzo(a,h)anthracene	25.89	278	4744	0.441	ng/ul	95
29) Benzo(a,h,i)perylene	26.57	276	4832	0.422	ng/ul	98

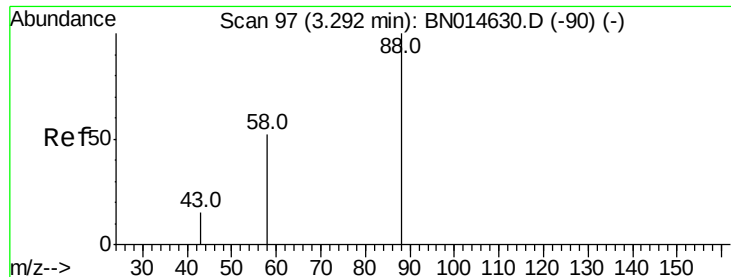
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.623 ng/ul

RT: 3.28 min Scan# 95

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

YARH8MS

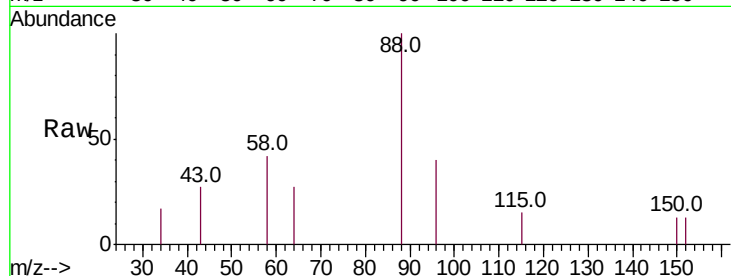
Tot Ion: 88 Resp: 278

Ion Ratio Lower Upper

88 100

43 27.0 22.5 33.7

58 41.6 30.4 45.6



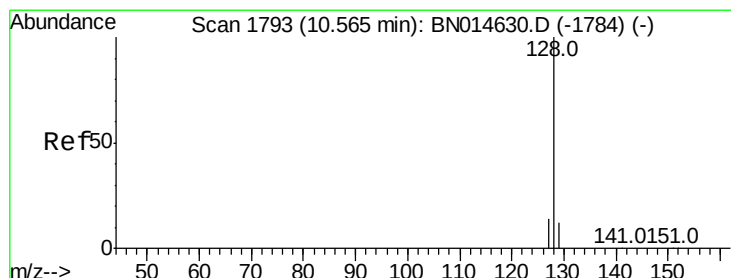
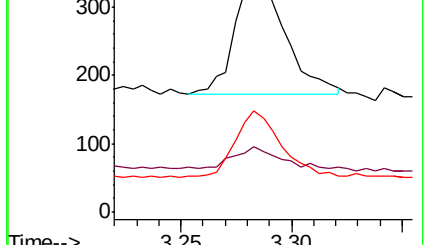
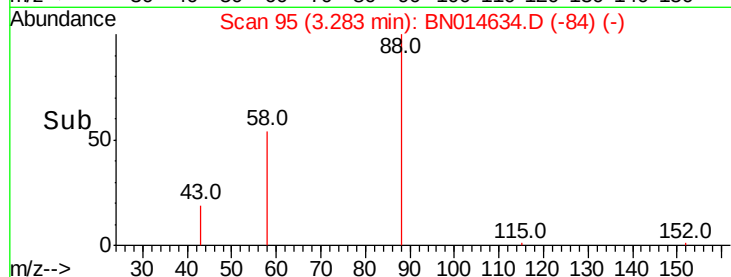
Abundance Ion 88.00 (87.70 to 88.70): BN014634.D (-90) (-)

Ion 43.00 (42.70 to 43.70): BN014634.D (-90) (-)

Ion 58.00 (57.70 to 58.70): BN014634.D (-90) (-)

3.28

3.25 3.30



#5

Naphthalene

Concen: 0.364 ng/ul

RT: 10.57 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

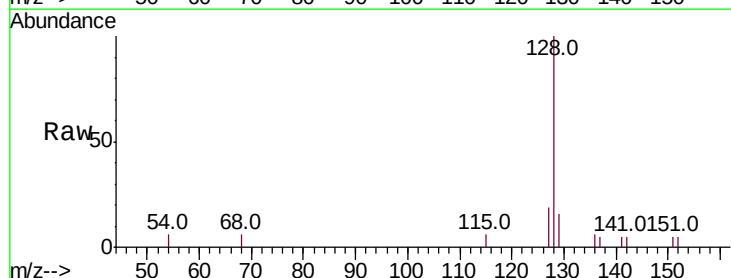
Tgt Ion: 128 Resp: 1464

Ion Ratio Lower Upper

128 100

129 16.3 10.9 16.3

127 18.9 15.7 23.5



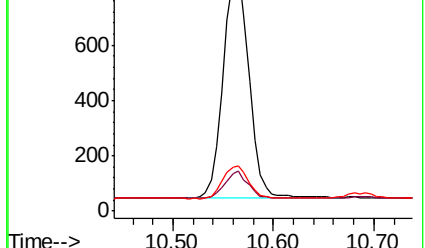
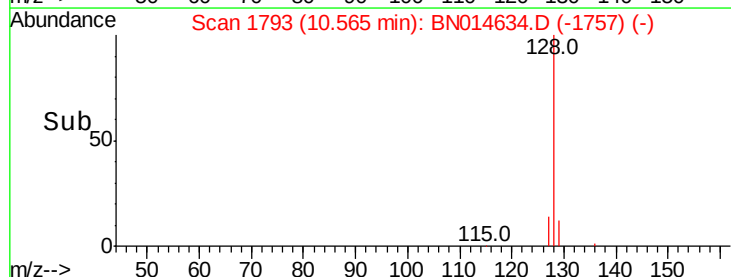
Abundance Ion 128.00 (127.70 to 128.70): BN014634.D (-1784) (-)

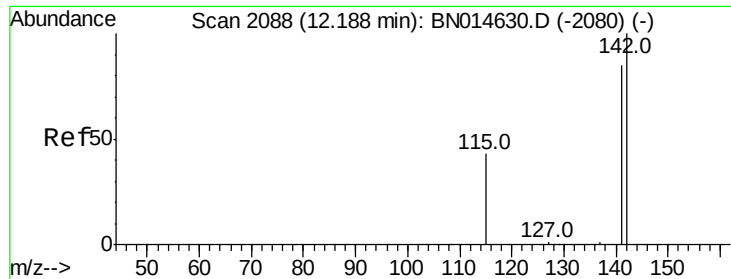
Ion 129.00 (128.70 to 129.70): BN014634.D (-1784) (-)

Ion 127.00 (126.70 to 127.70): BN014634.D (-1784) (-)

10.57

10.50 10.60 10.70





#7

2-Methylnaphthalene

Concen: 0.357 ng/ul

RT: 12.18 min Scan# 2087

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

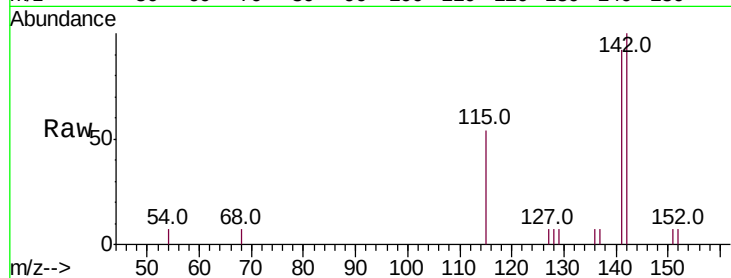
YARH8MS

Tot Ion:142 Resp: 1031

Ion Ratio Lower Upper

142 100

141 90.3 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

800

600

400

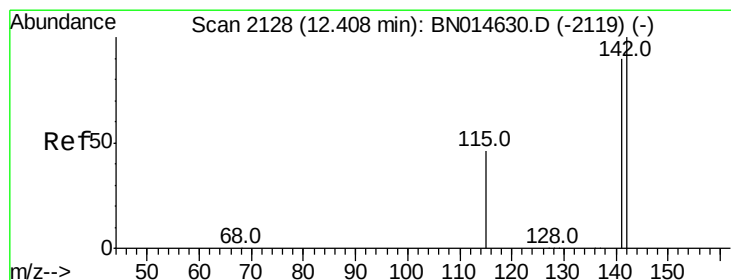
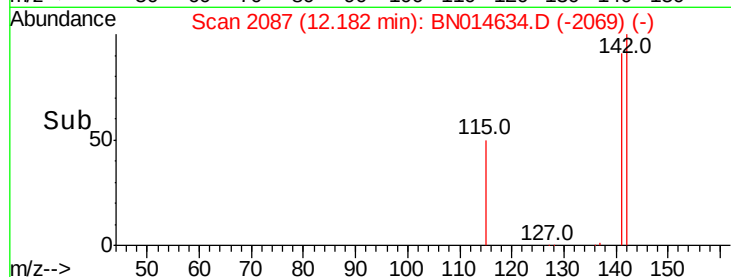
200

0

12.10

12.20

Time-->



#8

1-Methylnaphthalene

Concen: 0.355 ng/ul

RT: 12.40 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BN014634.D

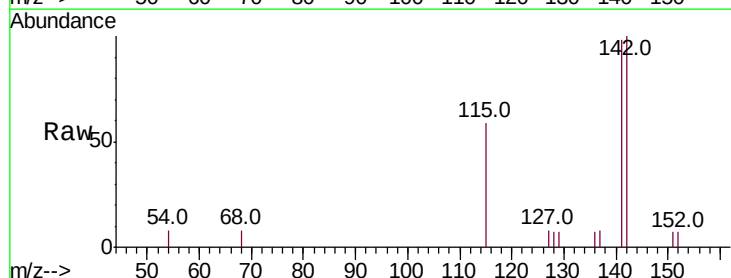
Acq: 14 May 2021 21:25

Tgt Ion:142 Resp: 990

Ion Ratio Lower Upper

142 100

141 95.5 73.9 110.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

600

400

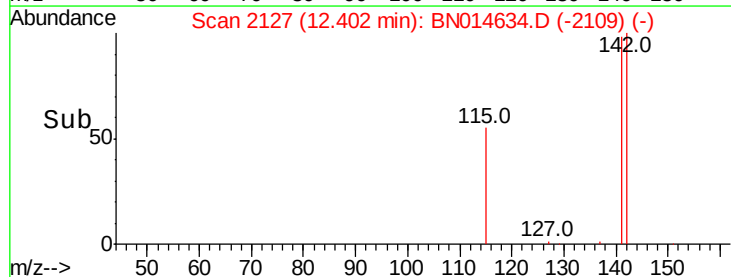
200

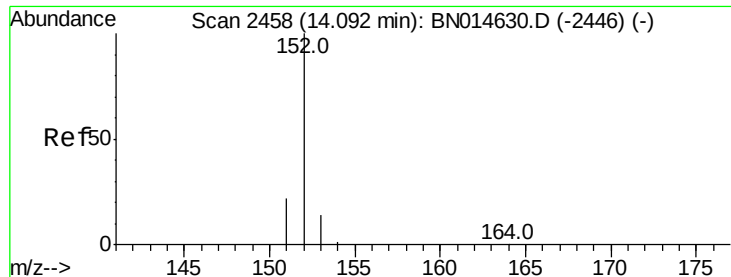
0

12.40

12.50

Time-->





#10

Acenaphthylene

Concen: 0.366 ng/ul

RT: 14.09 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

YARH8MS

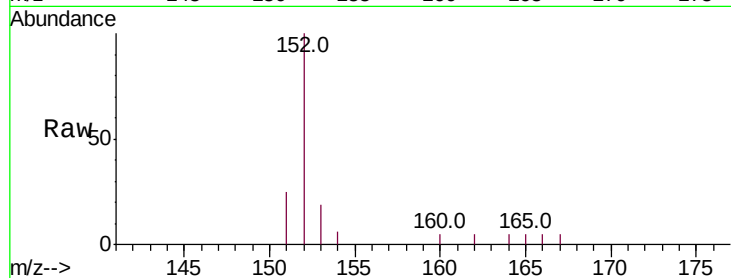
Tot Ion:152 Resp: 1327

Ion Ratio Lower Upper

152 100

151 25.1 20.2 30.4

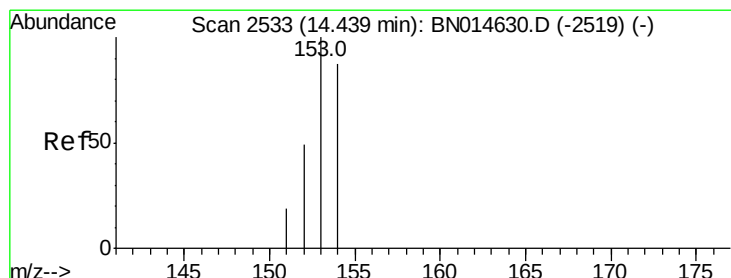
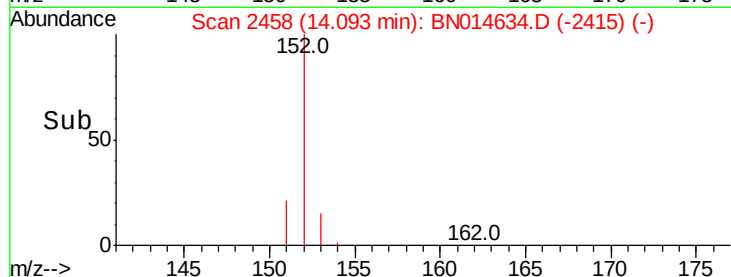
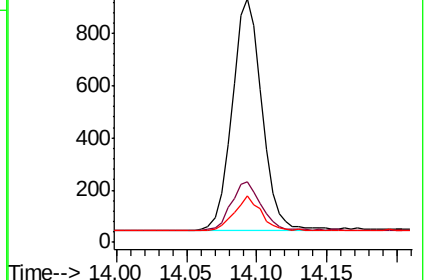
153 19.1 14.2 21.4



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: 0.368 ng/ul

RT: 14.44 min Scan# 2532

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

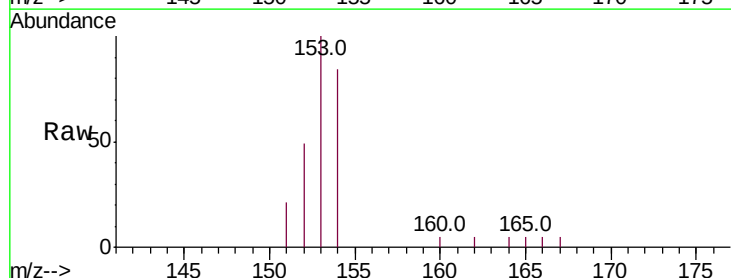
Tgt Ion:153 Resp: 1271

Ion Ratio Lower Upper

153 100

152 49.3 39.7 59.5

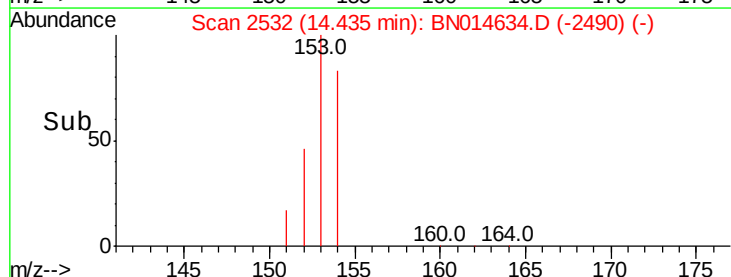
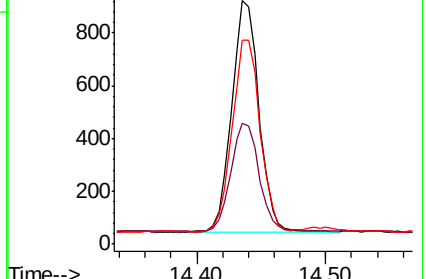
154 83.5 71.0 106.4

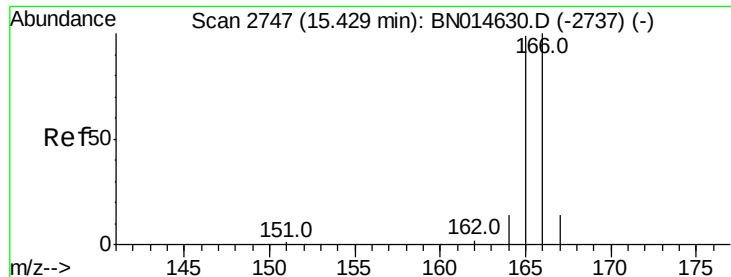


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.376 ng/ul

RT: 15.43 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

YARH8MS

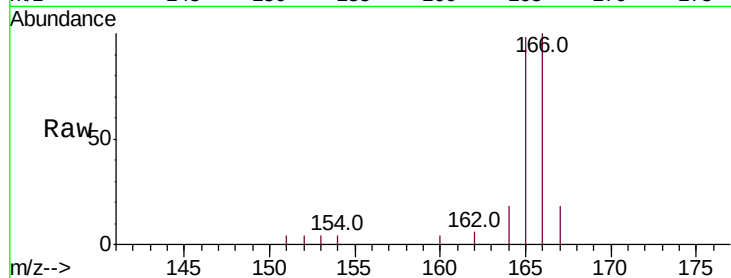
Tot Ion:166 Resp: 1594

Ion Ratio Lower Upper

166 100

165 97.7 79.3 118.9

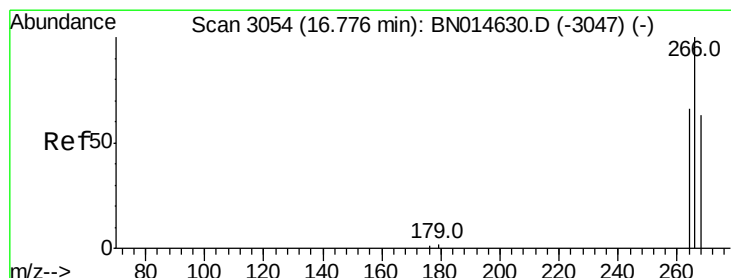
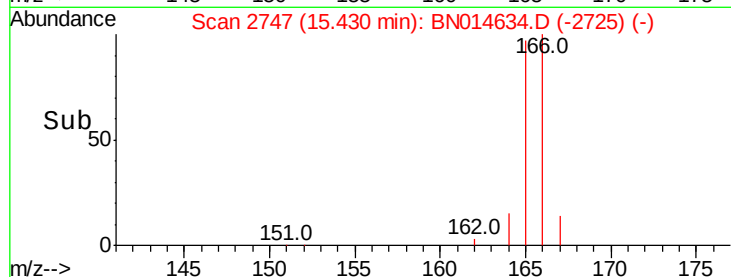
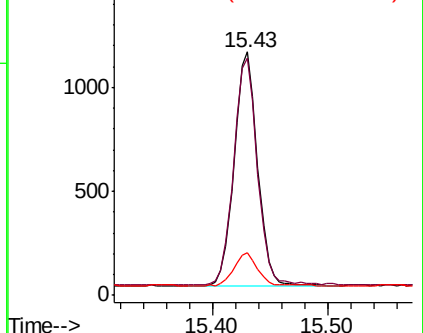
167 17.6 13.8 20.6



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: 0.978 ng/ul

RT: 16.78 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

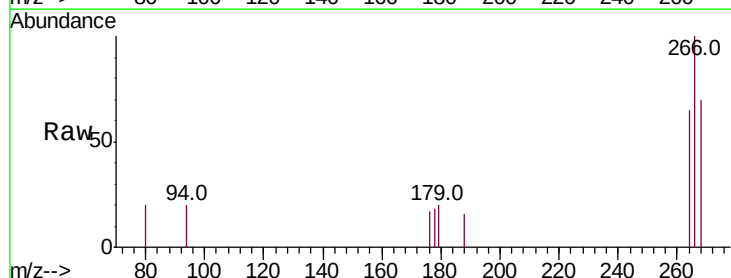
Tgt Ion:266 Resp: 350

Ion Ratio Lower Upper

266 100

264 64.0 52.9 79.3

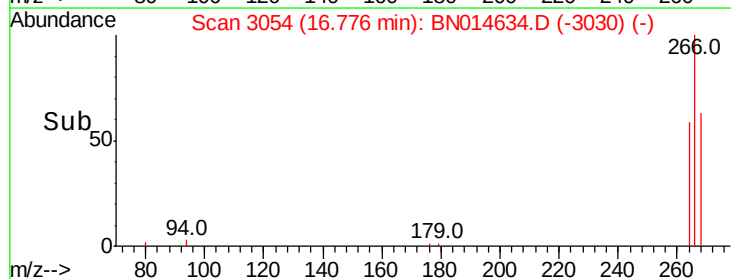
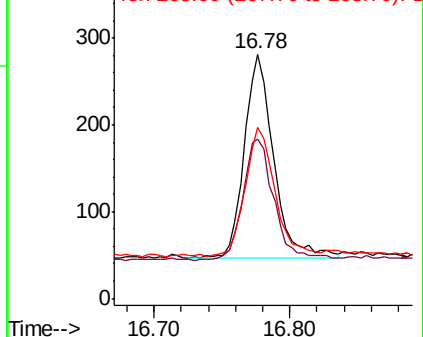
268 65.4 59.4 89.0

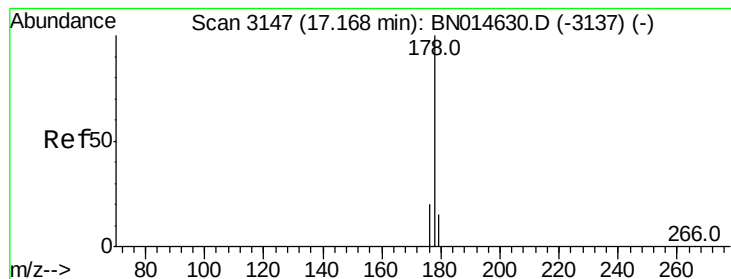


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.402 ng/ul

RT: 17.17 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

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YARH8MS

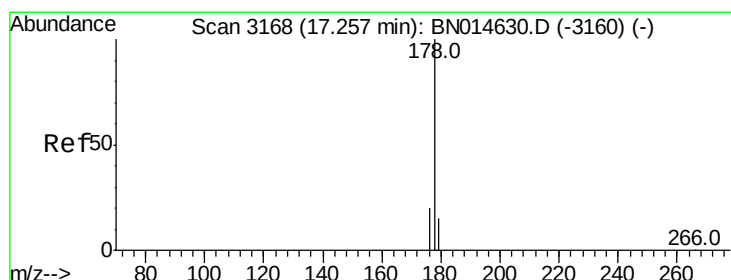
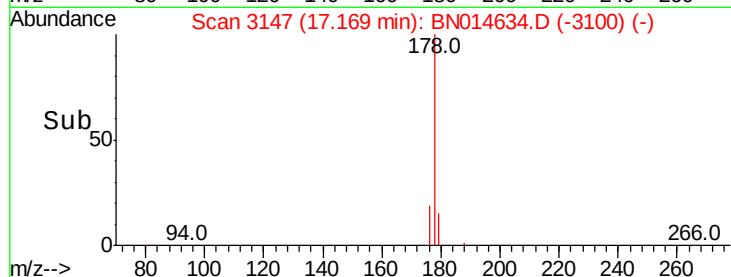
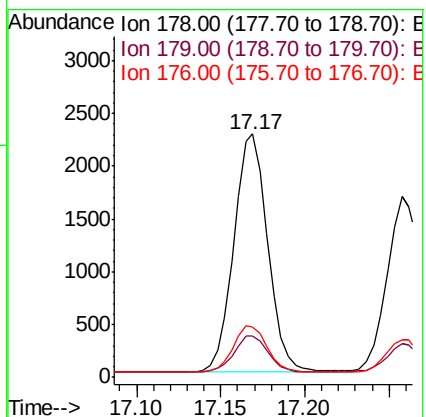
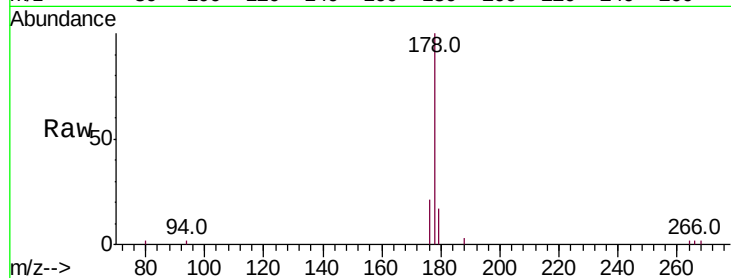
Tot Ion:178 Resp: 3179

Ion Ratio Lower Upper

178 100

179 17.0 13.8 20.6

176 20.9 16.2 24.4



#16

Anthracene

Concen: 0.415 ng/ul

RT: 17.26 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

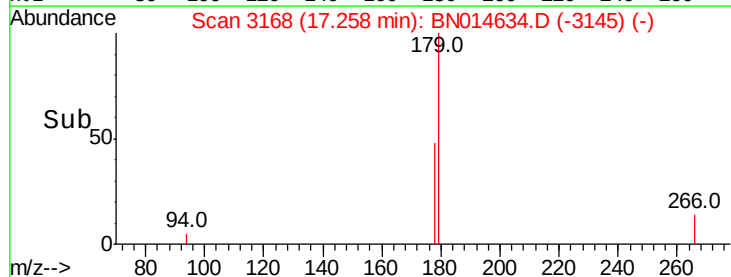
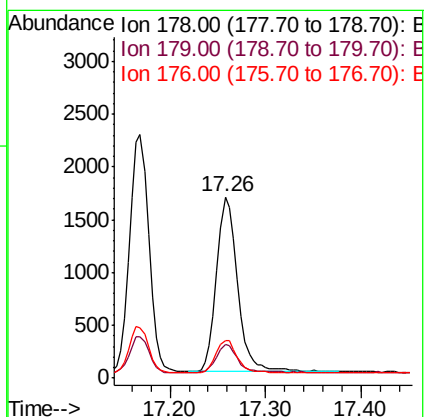
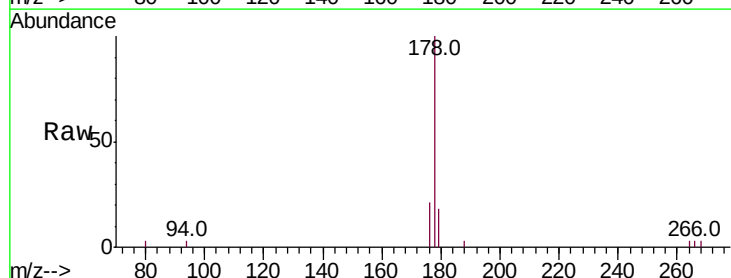
Tgt Ion:178 Resp: 2558

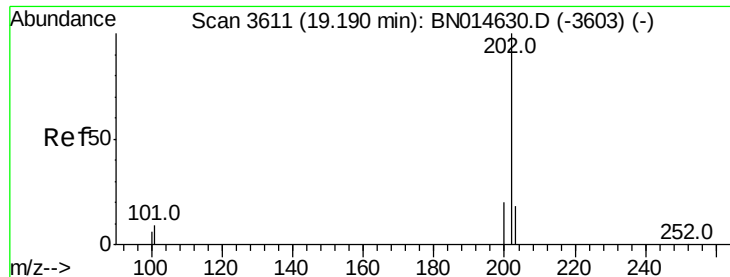
Ion Ratio Lower Upper

178 100

179 18.3 14.3 21.5

176 20.7 17.1 25.7

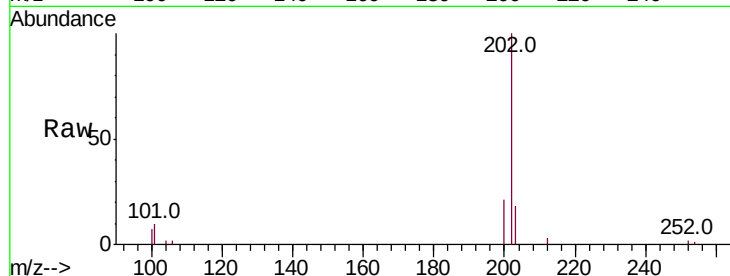




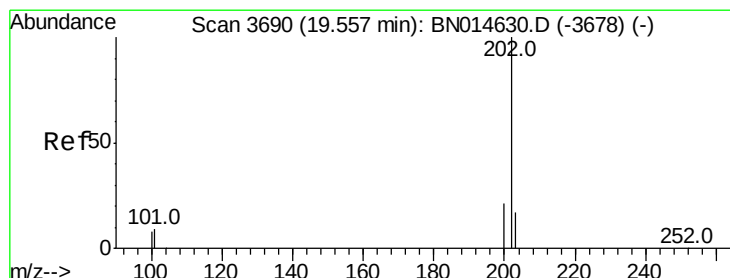
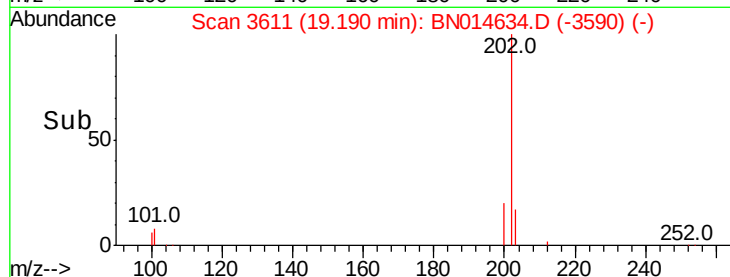
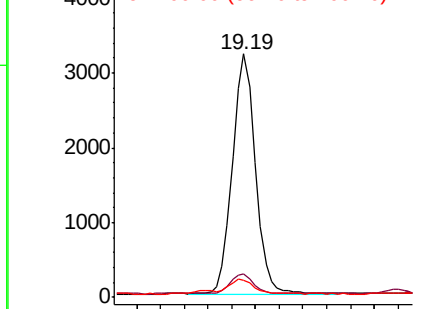
#19
Fluoranthene
Concen: 0.440 ng/ul
RT: 19.19 min Scan# 3611
Delta R.T. -0.00 min
Lab File: BN014634.D
Acq: 14 May 2021 21:25

Instrument :
BNA_N
ClientSampleId :
YARH8MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.6	11.4
100	7.2	5.9	8.9

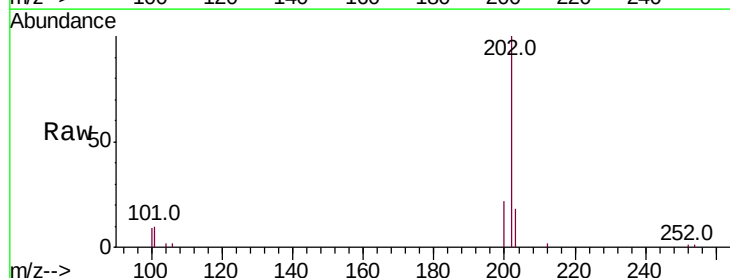


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

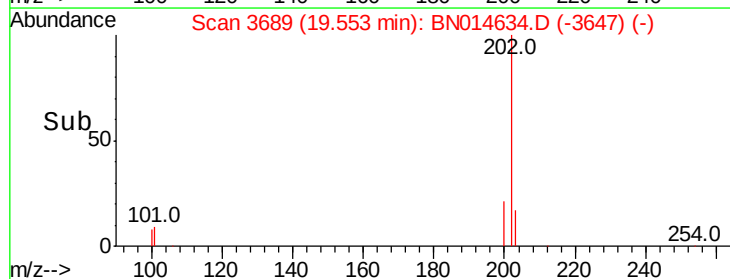
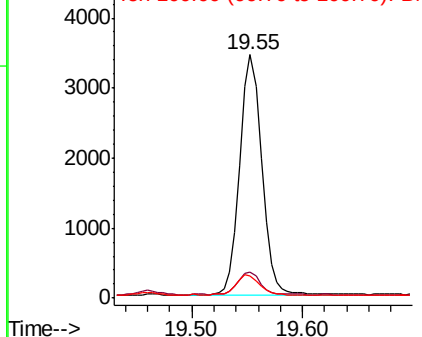


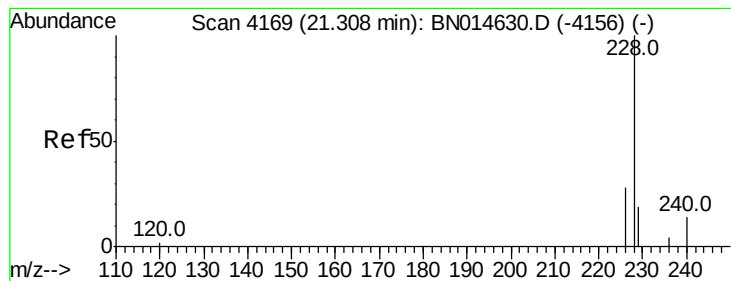
#20
Pyrene
Concen: 0.463 ng/ul
RT: 19.55 min Scan# 3689
Delta R.T. -0.00 min
Lab File: BN014634.D
Acq: 14 May 2021 21:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.5	12.7
100	9.0	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





#21

Benzo(a)anthracene

Concen: 0.455 ng/ul

RT: 21.30 min Scan# 4167

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

YARH8MS

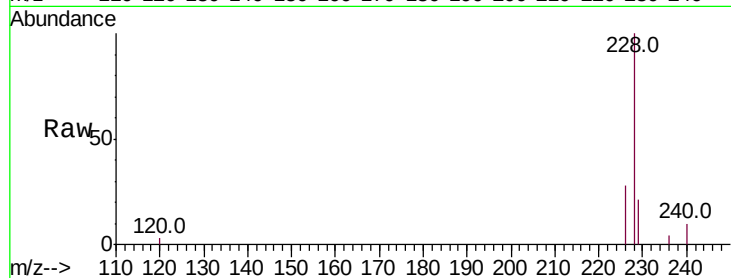
Tot Ion:228 Resp: 4529

Ion Ratio Lower Upper

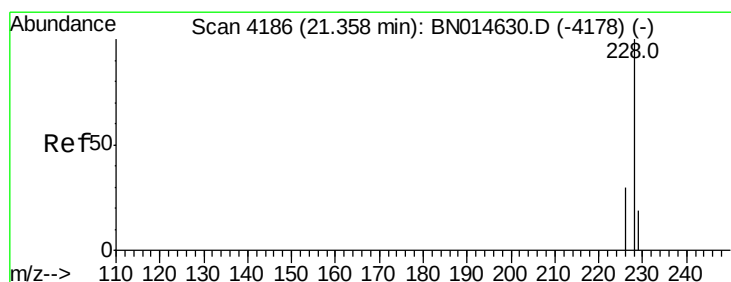
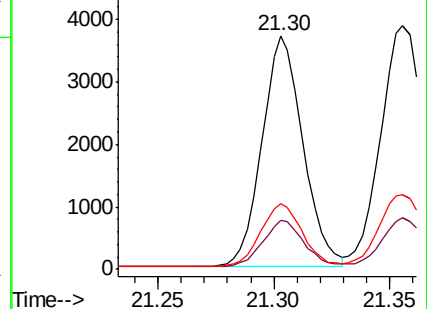
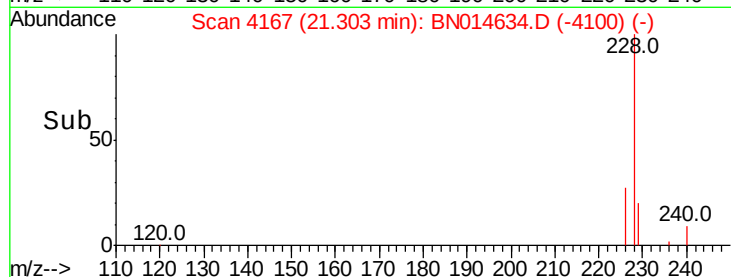
228 100

229 20.9 16.3 24.5

226 28.1 22.6 33.8



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: 0.450 ng/ul

RT: 21.36 min Scan# 4185

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

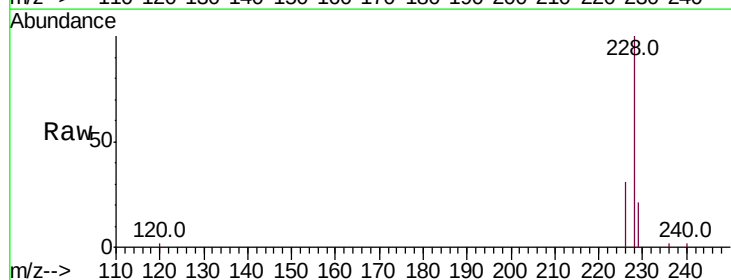
Tgt Ion:228 Resp: 5122

Ion Ratio Lower Upper

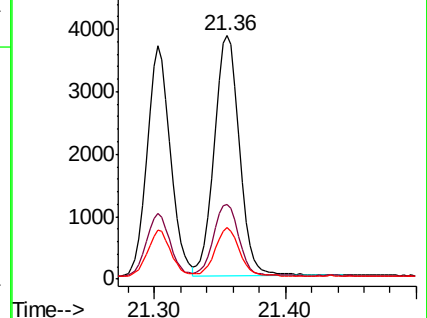
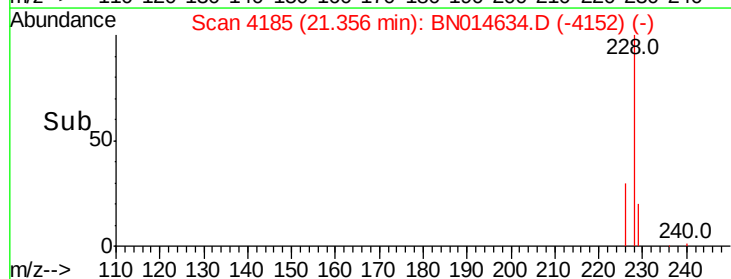
228 100

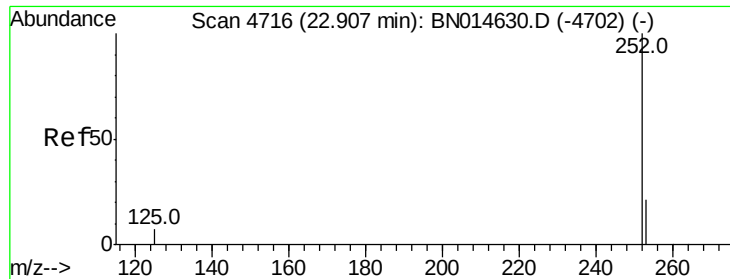
226 30.8 25.3 37.9

229 21.0 16.2 24.4



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: 0.414 ng/ul

RT: 22.90 min Scan# 4715

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

YARH8MS

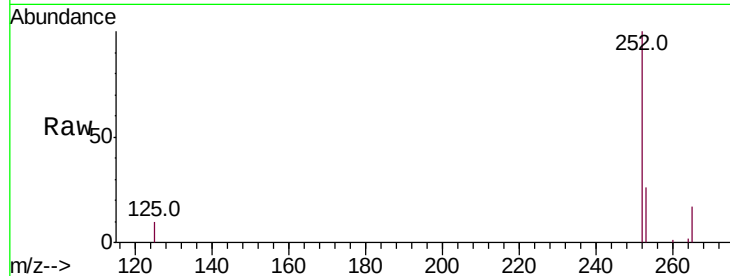
Tot Ion:252 Resp: 5104

Ion Ratio Lower Upper

252 100

253 26.0 0.0 50.2

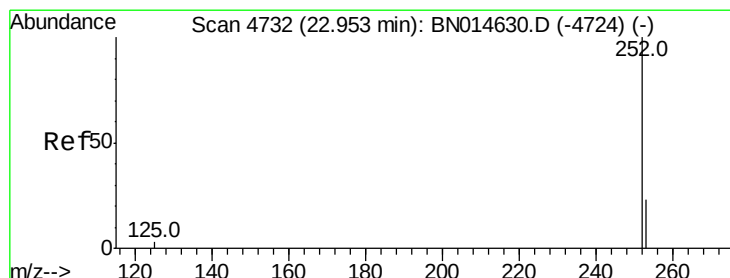
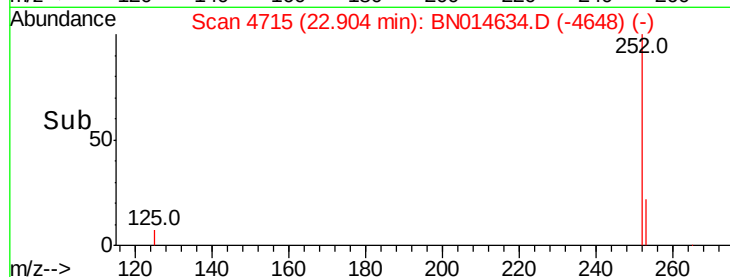
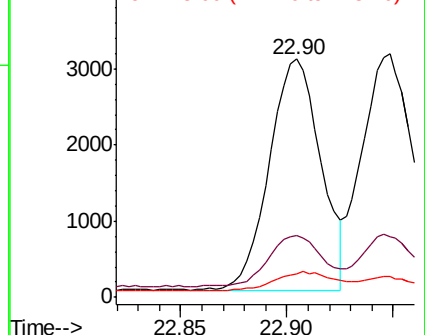
125 9.6 0.0 19.4



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: 0.423 ng/ul

RT: 22.95 min Scan# 4730

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

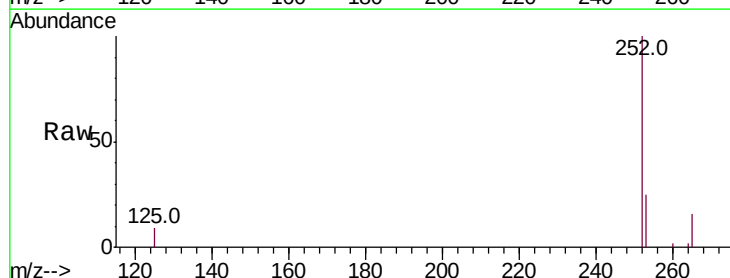
Tgt Ion:252 Resp: 5499

Ion Ratio Lower Upper

252 100

253 24.7 20.5 30.7

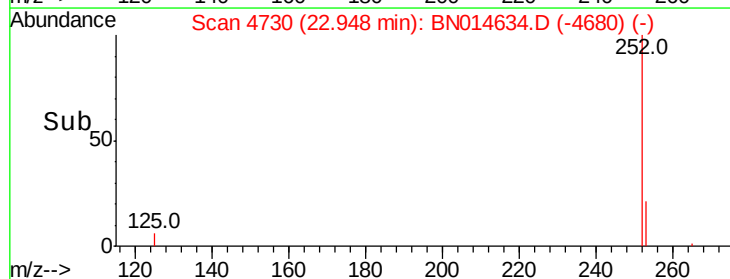
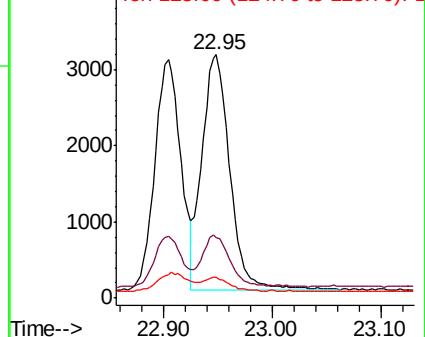
125 8.7 6.9 10.3

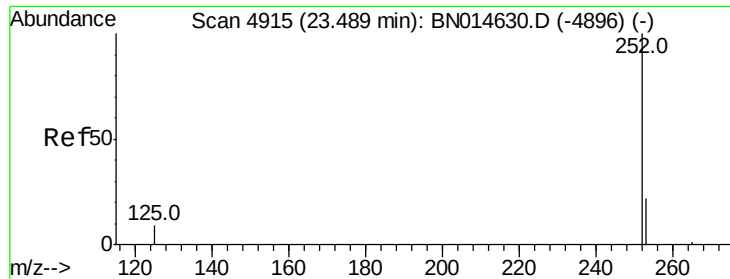


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.451 ng/ul

RT: 23.49 min Scan# 4914

Delta R.T. -0.00 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

YARH8MS

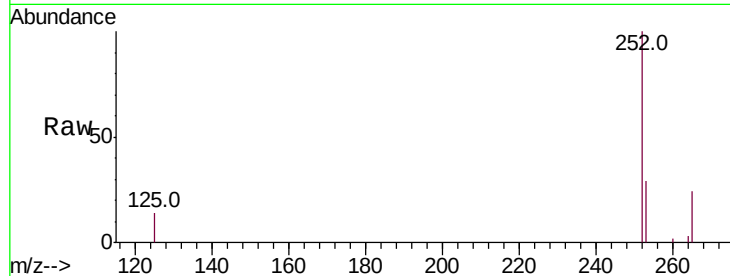
Tot Ion:252 Resp: 4248

Ion Ratio Lower Upper

252 100

253 29.0 23.0 34.6

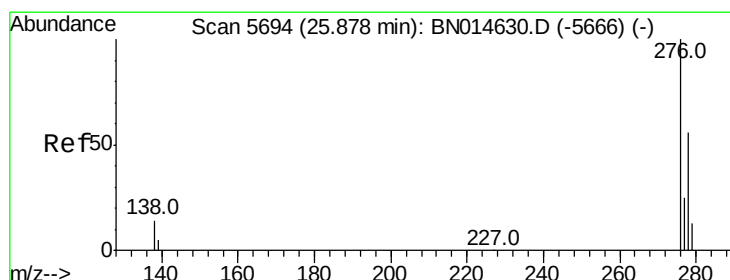
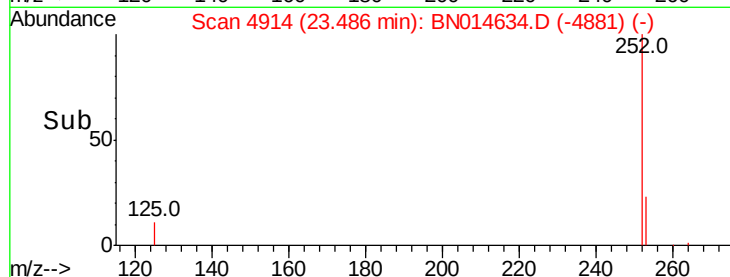
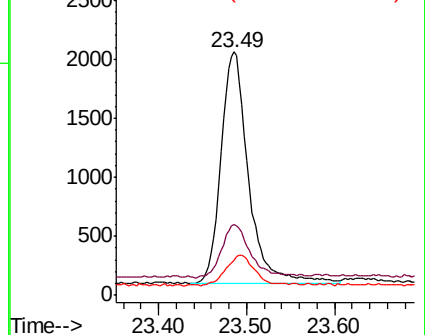
125 14.5 9.5 14.3#



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: 0.439 ng/ul

RT: 25.88 min Scan# 5693

Delta R.T. -0.01 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

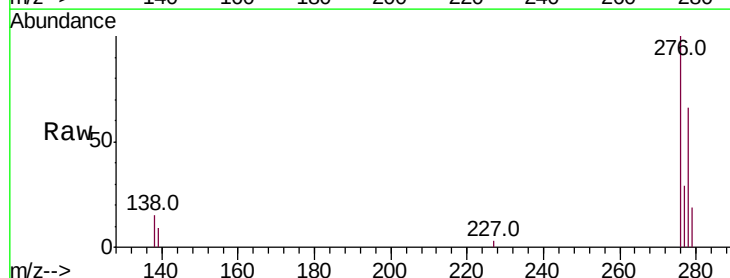
Tgt Ion:276 Resp: 5887

Ion Ratio Lower Upper

276 100

138 14.1 10.9 16.3

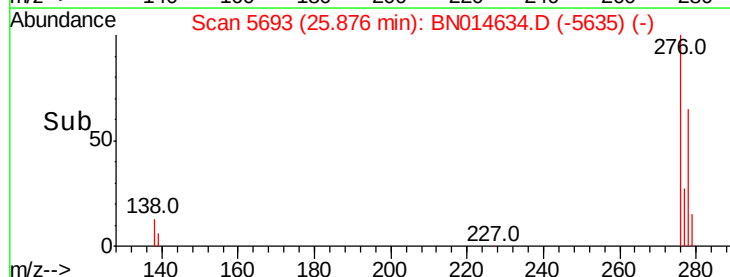
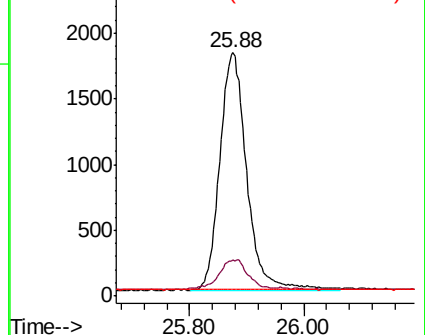
227 0.1 0.1 0.1

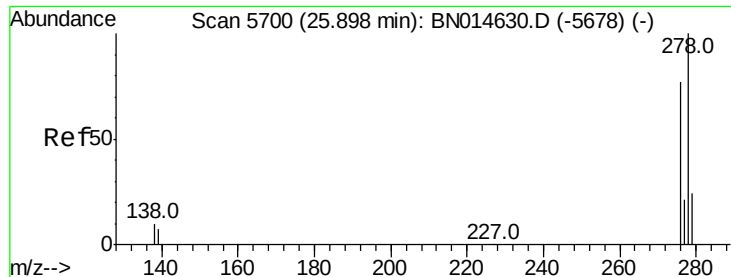


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.441 ng/ul

RT: 25.89 min Scan# 5697

Delta R.T. -0.01 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

Instrument :

BNA_N

ClientSampleId :

YARH8MS

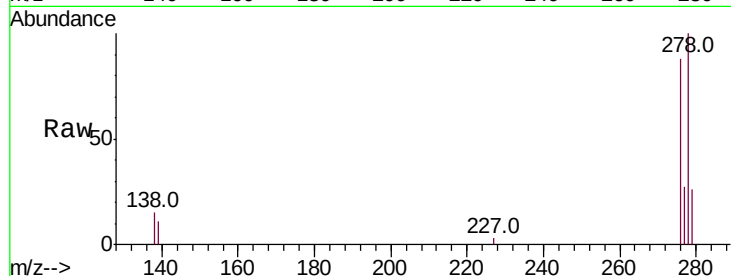
Tot Ion:278 Resp: 4744

Ion Ratio Lower Upper

278 100

139 10.9 10.6 16.0

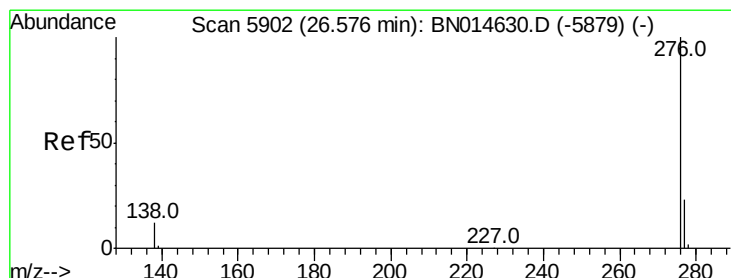
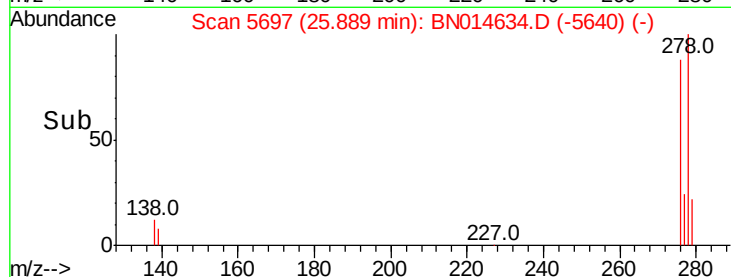
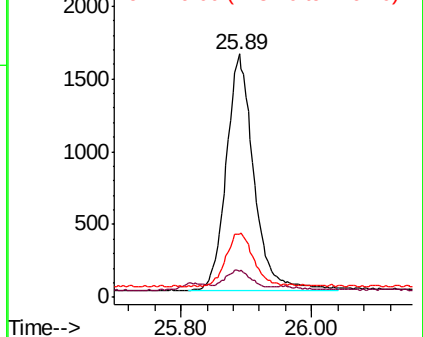
279 26.1 22.6 34.0



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: 0.422 ng/ul

RT: 26.57 min Scan# 5900

Delta R.T. -0.01 min

Lab File: BN014634.D

Acq: 14 May 2021 21:25

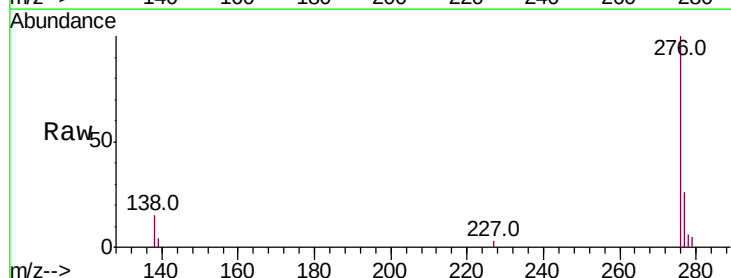
Tgt Ion:276 Resp: 4832

Ion Ratio Lower Upper

276 100

138 15.3 11.5 17.3

277 25.6 21.4 32.2



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

