

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080423\
 Data File : BN026815.D
 Acq On : 04 Aug 2023 13:02
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4381

Quant Time: Aug 04 22:30:25 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 03:46:36 2023
 Response via : Initial Calibration

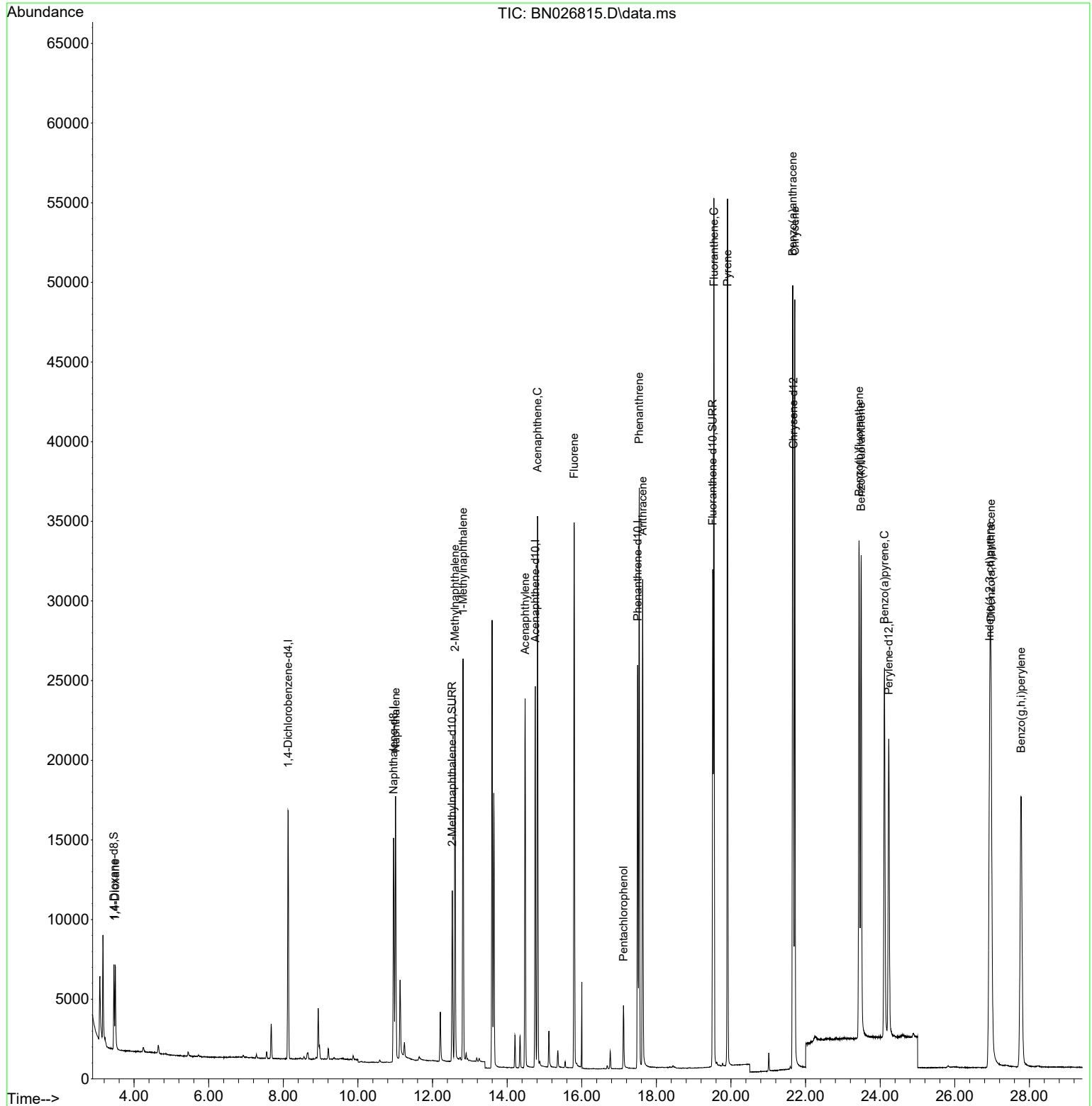
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.131	152	8086	0.400	ng/ul	0.01
4) Naphthalene-d8	10.955	136	20808	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.754	164	13185	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.498	188	30189	0.400	ng/ul	0.00
17) Chrysene-d12	21.671	240	26480	0.400	ng/ul	0.00
23) Perylene-d12	24.228	264	28184	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.460	96	3791	0.395	ng/ul	0.02
6) 2-Methylnaphthalene-d10	12.528	152	14144	0.462	ng/ul	0.01
18) Fluoranthene-d10	19.511	212	34807	0.416	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.494	88	3892	0.397	ng/ul	99
5) Naphthalene	11.010	128	23142	0.394	ng/ul	100
7) 2-Methylnaphthalene	12.599	142	16849	0.473	ng/ul	99
8) 1-Methylnaphthalene	12.819	142	17612	0.472	ng/ul	100
10) Acenaphthylene	14.481	152	26402	0.357	ng/ul	99
11) Acenaphthene	14.814	153	19713	0.386	ng/ul	98
12) Fluorene	15.795	166	22670	0.392	ng/ul	100
14) Pentachlorophenol	17.118	266	2762	0.323	ng/ul	99
15) Phenanthrene	17.540	178	38395	0.387	ng/ul	100
16) Anthracene	17.633	178	33579	0.375	ng/ul	100
19) Fluoranthene	19.543	202	45543	0.414	ng/ul	100
20) Pyrene	19.906	202	45605	0.389	ng/ul	99
21) Benzo(a)anthracene	21.653	228	40931	0.389	ng/ul	99
22) Chrysene	21.711	228	42160	0.406	ng/ul	99
24) Benzo(b)fluoranthene	23.433	252	44966	0.422	ng/ul	99
25) Benzo(k)fluoranthene	23.489	252	44581	0.424	ng/ul	100
26) Benzo(a)pyrene	24.114	252	39722	0.413	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.935	276	51440	0.409	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.972	278	40688	0.406	ng/ul	98
29) Benzo(g,h,i)perylene	27.777	276	42961	0.410	ng/ul	98

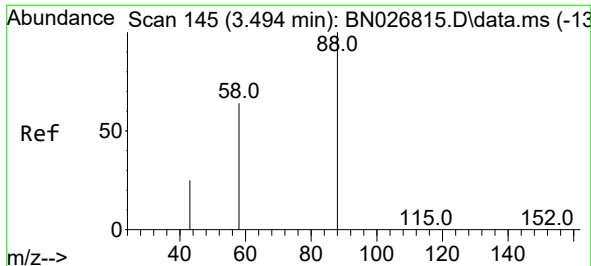
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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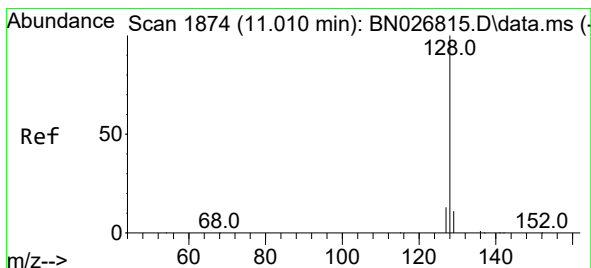
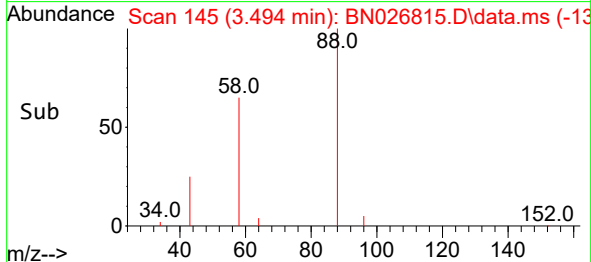
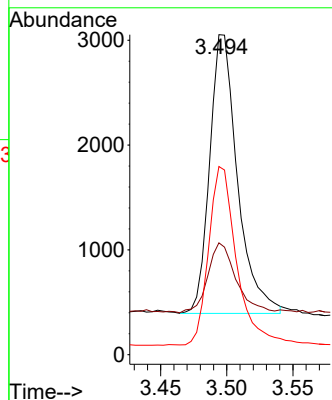
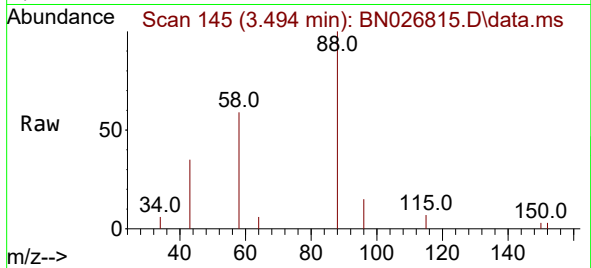




#2
1,4-Dioxane
Concen: 0.397 ng/ul
RT: 3.494 min Scan# 145
Delta R.T. 0.013 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

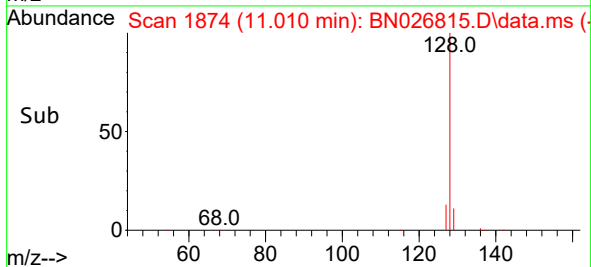
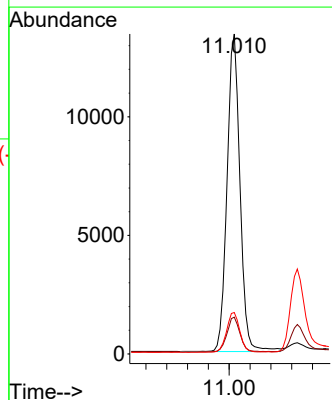
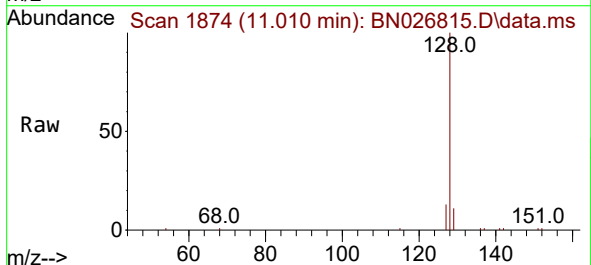
Instrument :
BNA_N
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SSTD0.4381

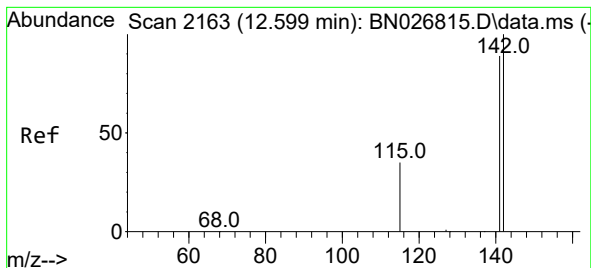
Tgt Ion: 88 Resp: 3892
Ion Ratio Lower Upper
88 100
43 34.9 28.0 42.0
58 58.8 46.0 69.0



#5
Naphthalene
Concen: 0.394 ng/ul
RT: 11.010 min Scan# 1874
Delta R.T. 0.011 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

Tgt Ion: 128 Resp: 23142
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.0 10.5 15.7





#7

2-Methylnaphthalene

Concen: 0.473 ng/ul

RT: 12.599 min Scan# 2163

Delta R.T. 0.005 min

Lab File: BN026815.D

Acq: 04 Aug 2023 13:02

Instrument :

BNA_N

ClientSampleId :

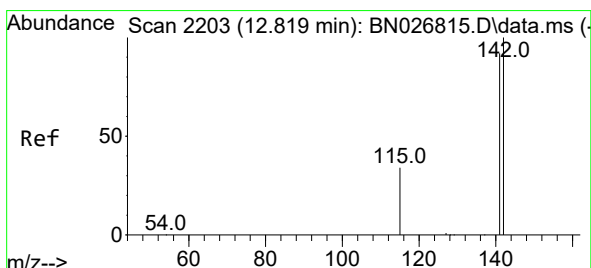
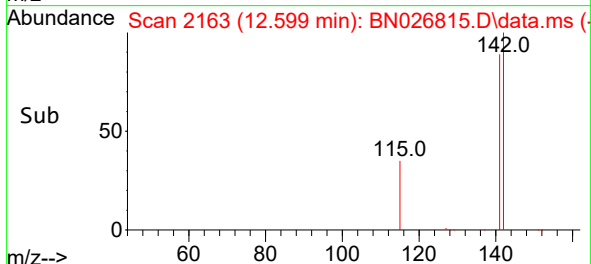
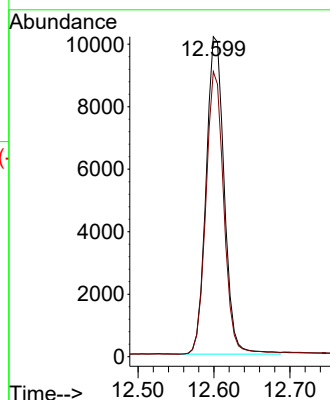
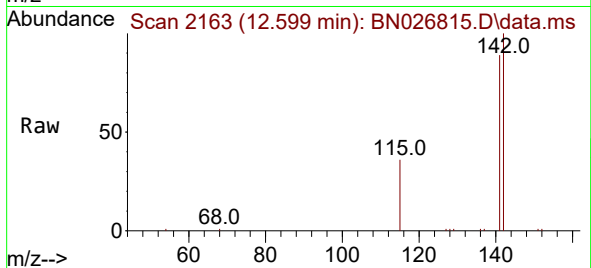
SSTD0.4381

Tgt Ion:142 Resp: 16849

Ion Ratio Lower Upper

142 100

141 88.0 70.9 106.3



#8

1-Methylnaphthalene

Concen: 0.472 ng/ul

RT: 12.819 min Scan# 2203

Delta R.T. 0.011 min

Lab File: BN026815.D

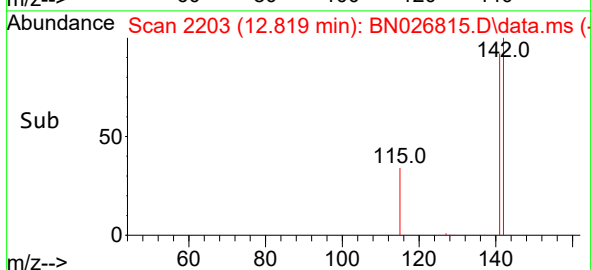
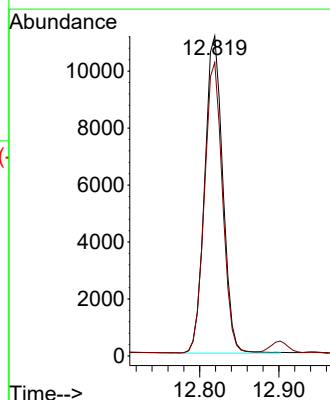
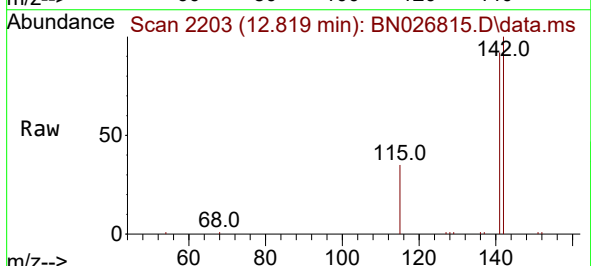
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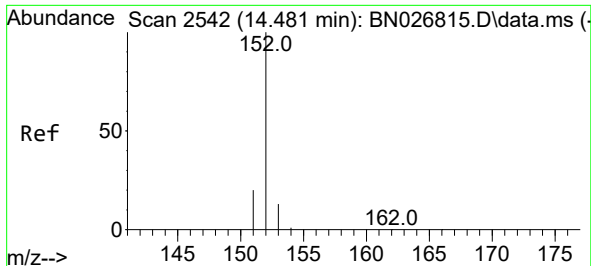
Tgt Ion:142 Resp: 17612

Ion Ratio Lower Upper

142 100

141 91.4 73.2 109.8

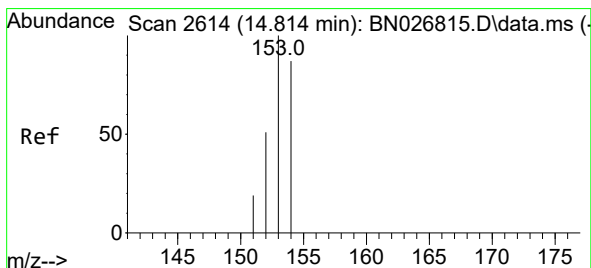
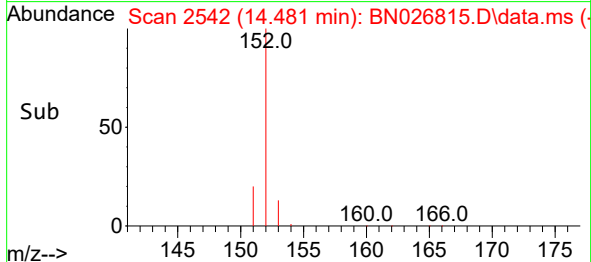
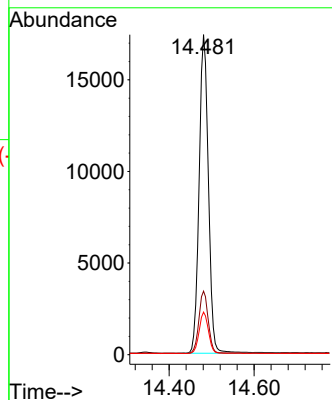
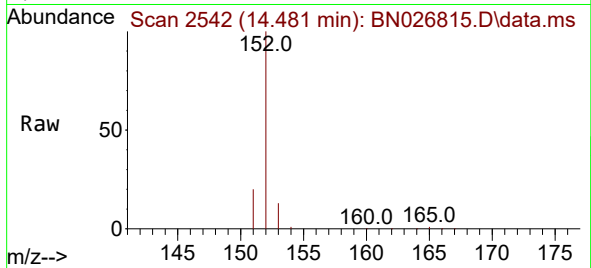




#10
Acenaphthylene
Concen: 0.357 ng/ul
RT: 14.481 min Scan# 2542
Delta R.T. 0.005 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

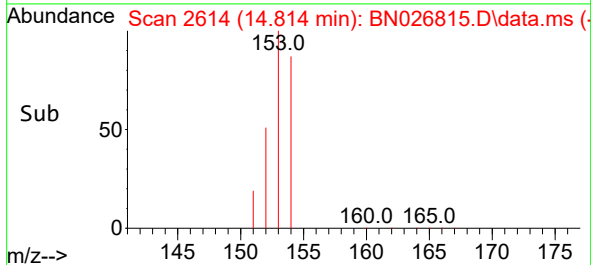
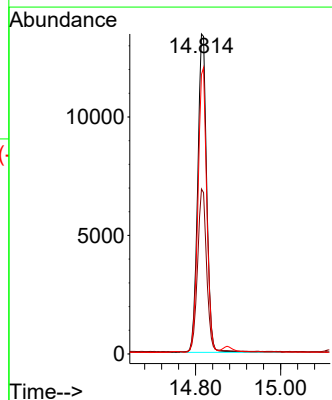
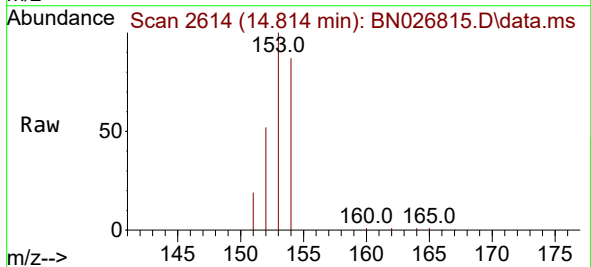
Instrument :
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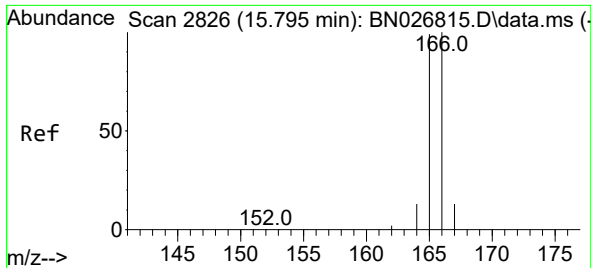
Tgt Ion:152 Resp: 26402
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.3 11.0 16.6



#11
Acenaphthene
Concen: 0.386 ng/ul
RT: 14.814 min Scan# 2614
Delta R.T. 0.005 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

Tgt Ion:153 Resp: 19713
Ion Ratio Lower Upper
153 100
152 51.6 41.1 61.7
154 87.4 71.6 107.4

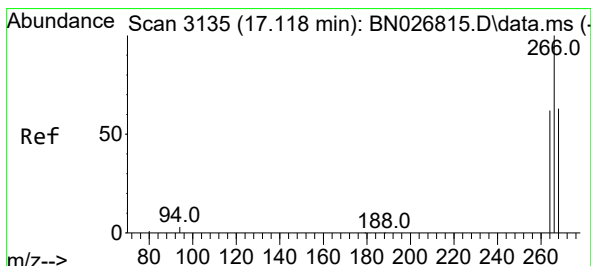
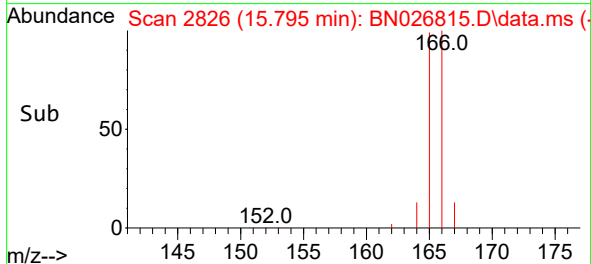
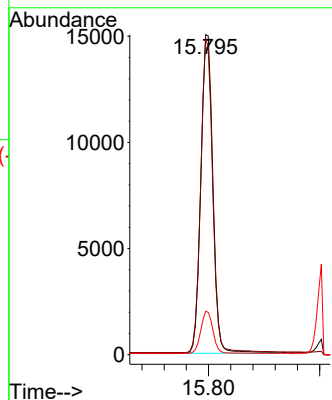
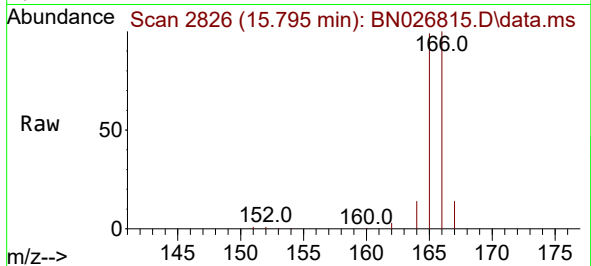




#12
Fluorene
Concen: 0.392 ng/ul
RT: 15.795 min Scan# 2826
Delta R.T. 0.005 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

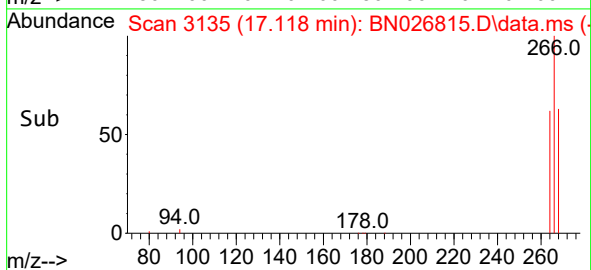
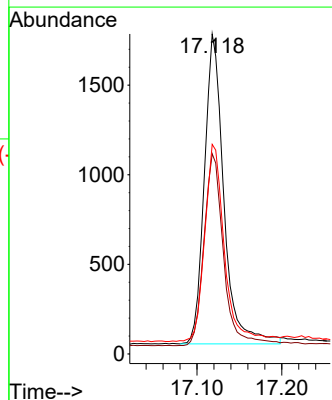
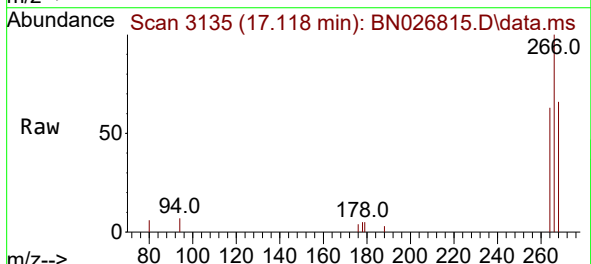
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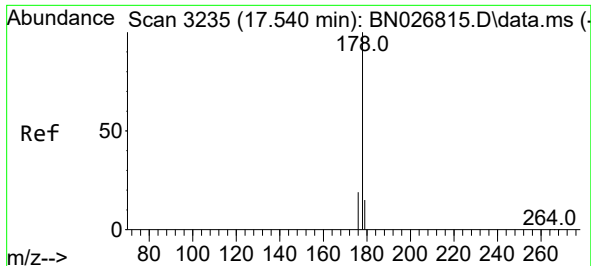
Tgt Ion:166 Resp: 22670
Ion Ratio Lower Upper
166 100
165 98.9 79.1 118.7
167 13.6 11.4 17.0



#14
Pentachlorophenol
Concen: 0.323 ng/ul
RT: 17.118 min Scan# 3135
Delta R.T. 0.004 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

Tgt Ion:266 Resp: 2762
Ion Ratio Lower Upper
266 100
264 62.4 50.4 75.6
268 64.4 51.2 76.8

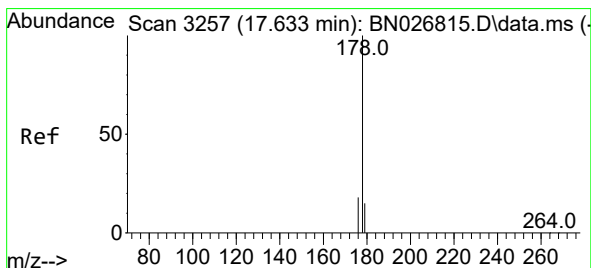
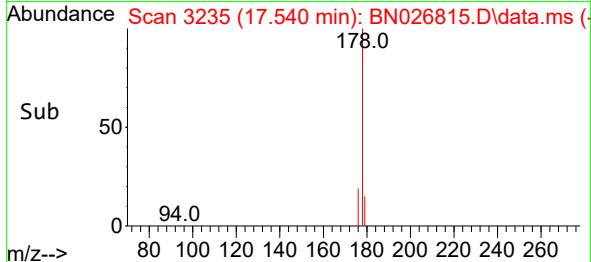
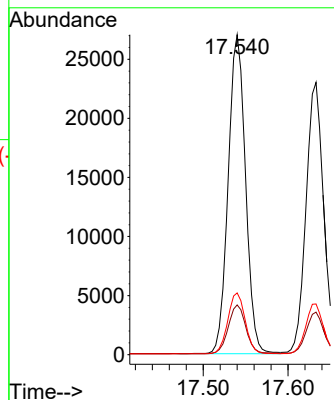
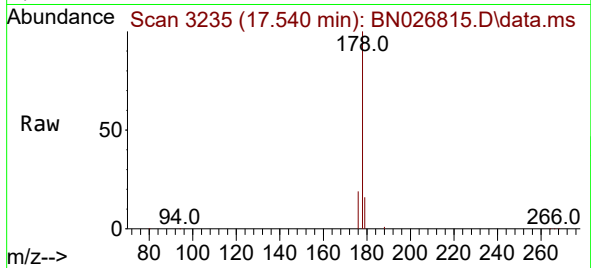




#15
Phenanthrene
Concen: 0.387 ng/ul
RT: 17.540 min Scan# 31
Delta R.T. 0.004 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

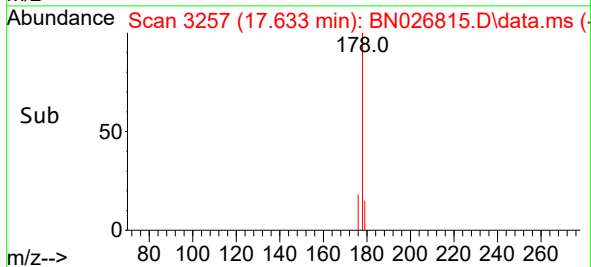
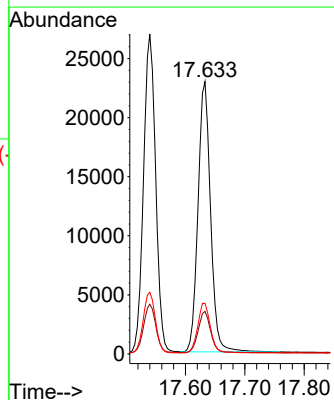
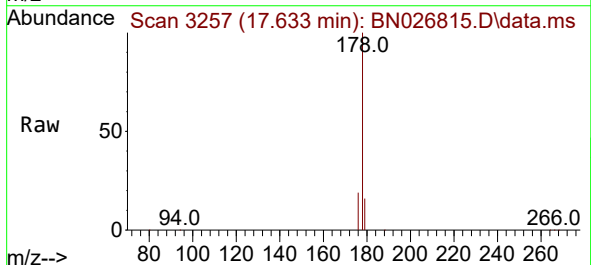
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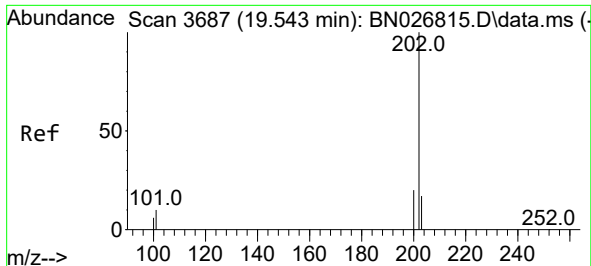
Tgt Ion:178 Resp: 38395
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.3 15.4 23.2



#16
Anthracene
Concen: 0.375 ng/ul
RT: 17.633 min Scan# 3257
Delta R.T. 0.008 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

Tgt Ion:178 Resp: 33579
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 18.6 15.0 22.6

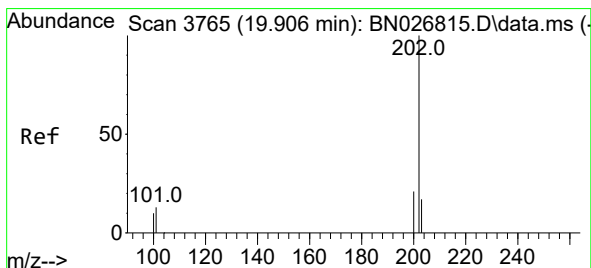
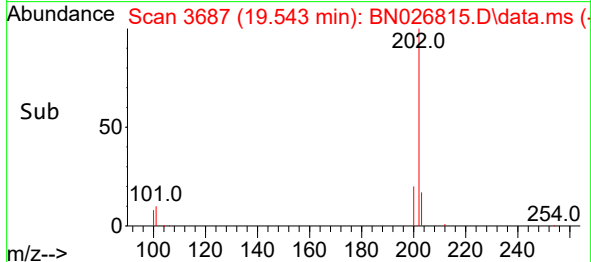
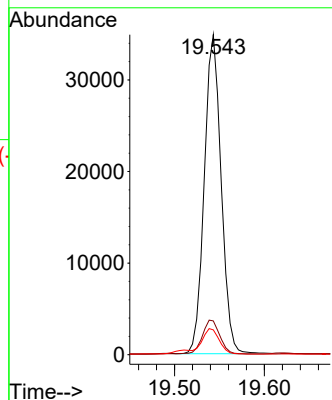
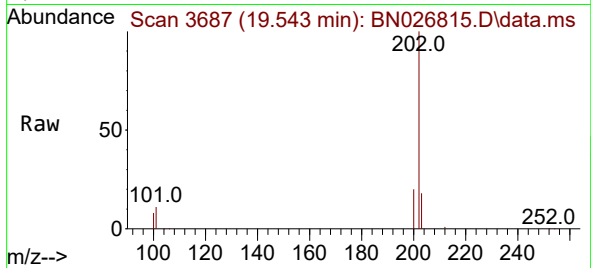




#19
Fluoranthene
Concen: 0.414 ng/ul
RT: 19.543 min Scan# 3687
Delta R.T. 0.005 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

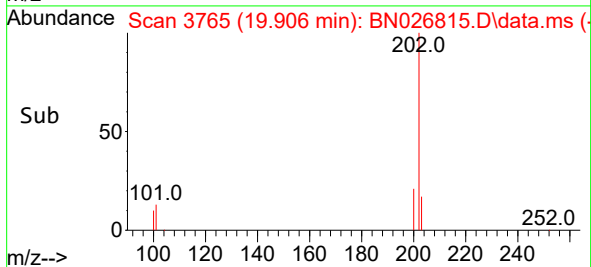
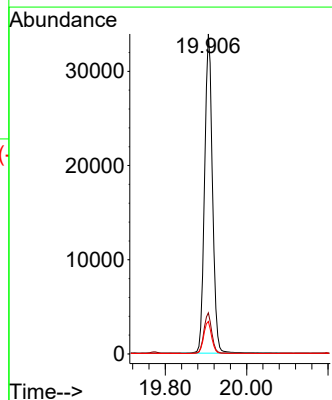
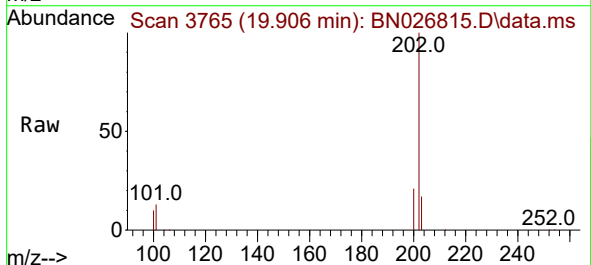
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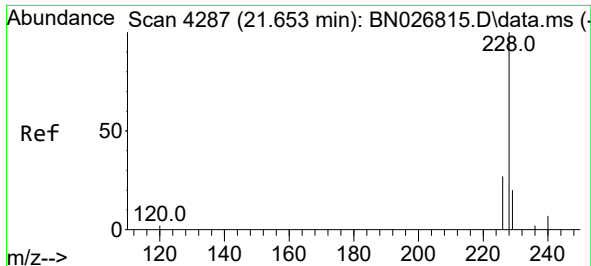
Tgt Ion:202 Resp: 45543
Ion Ratio Lower Upper
202 100
101 10.6 8.3 12.5
100 7.8 6.2 9.2



#20
Pyrene
Concen: 0.389 ng/ul
RT: 19.906 min Scan# 3765
Delta R.T. 0.005 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

Tgt Ion:202 Resp: 45605
Ion Ratio Lower Upper
202 100
101 12.9 10.7 16.1
100 10.1 8.5 12.7

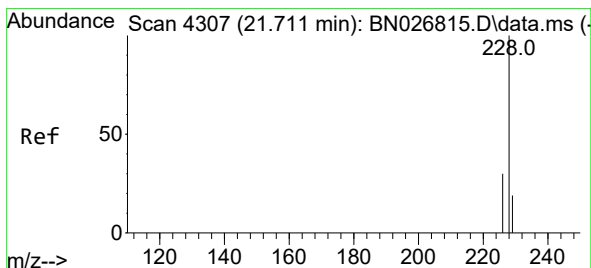
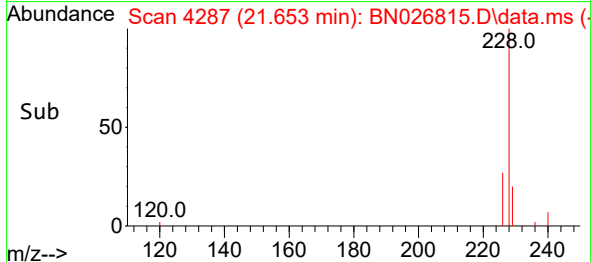
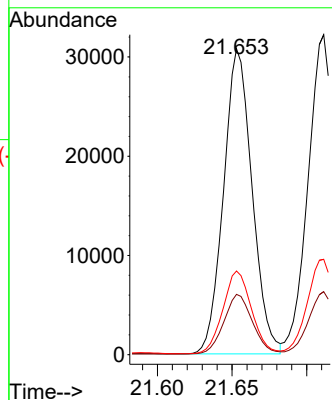
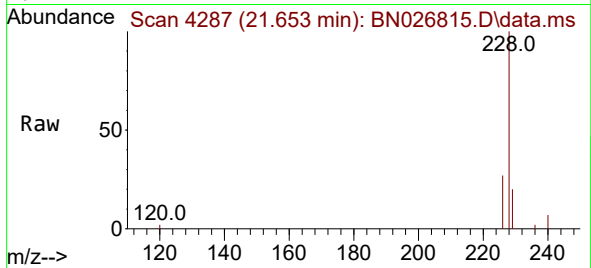




#21
Benzo(a)anthracene
Concen: 0.389 ng/ul
RT: 21.653 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

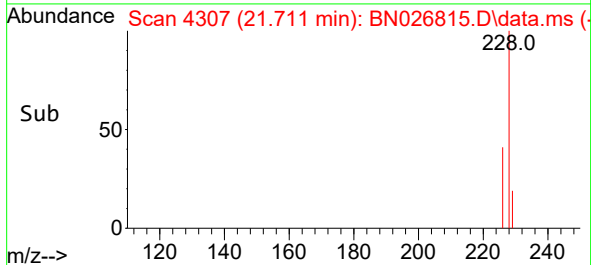
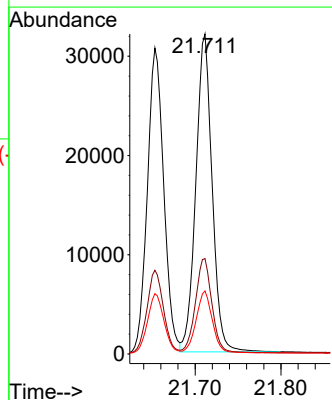
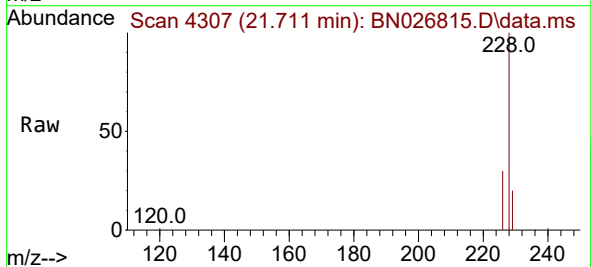
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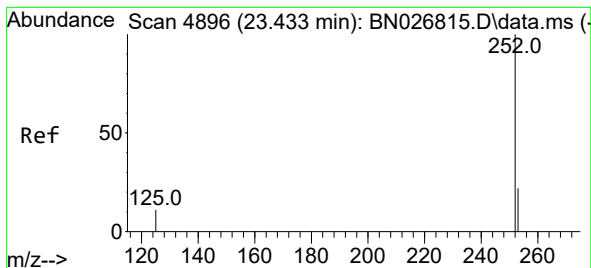
Tgt Ion:228 Resp: 40931
Ion Ratio Lower Upper
228 100
229 19.7 16.0 24.0
226 27.3 22.2 33.2



#22
Chrysene
Concen: 0.406 ng/ul
RT: 21.711 min Scan# 4307
Delta R.T. 0.003 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

Tgt Ion:228 Resp: 42160
Ion Ratio Lower Upper
228 100
226 29.8 24.6 36.8
229 19.7 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 0.422 ng/ul

RT: 23.433 min Scan# 4896

Delta R.T. 0.003 min

Lab File: BN026815.D

Acq: 04 Aug 2023 13:02

Instrument :

BNA_N

ClientSampleId :

SSTD0.4381

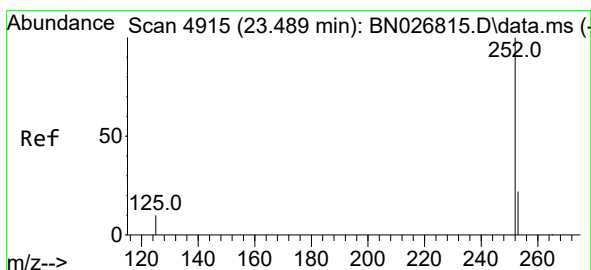
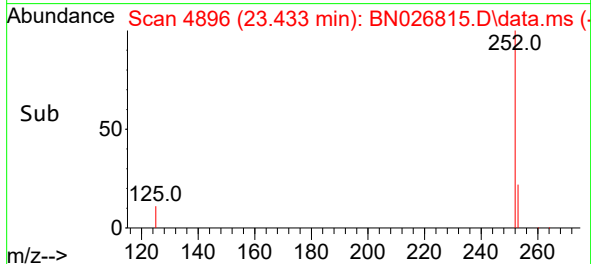
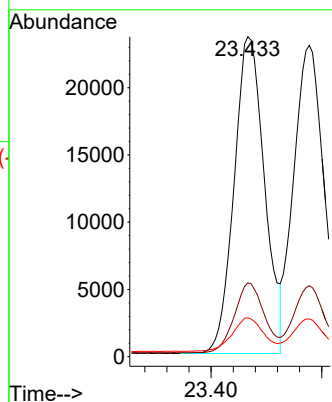
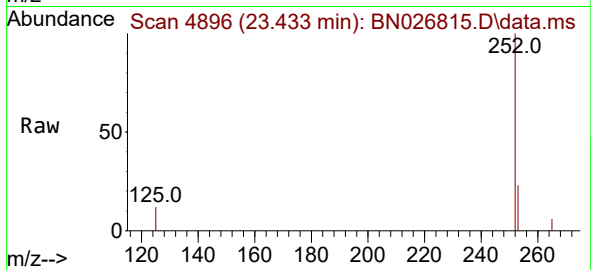
Tgt Ion:252 Resp: 44966

Ion Ratio Lower Upper

252 100

253 23.1 0.0 46.8

125 12.2 0.0 25.2



#25

Benzo(k)fluoranthene

Concen: 0.424 ng/ul

RT: 23.489 min Scan# 4915

Delta R.T. 0.003 min

Lab File: BN026815.D

Acq: 04 Aug 2023 13:02

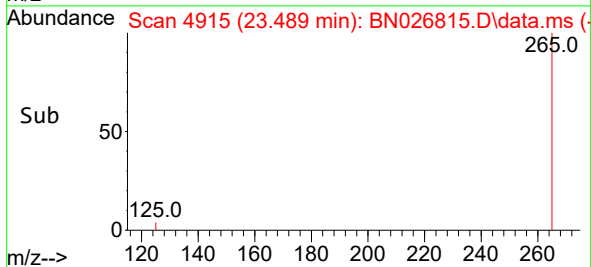
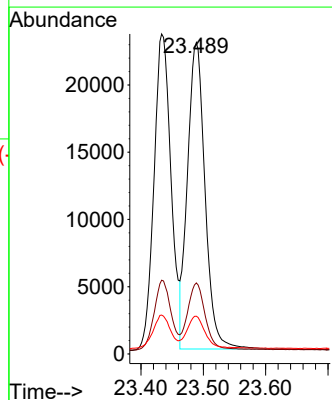
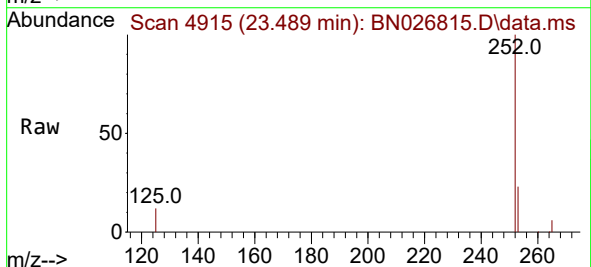
Tgt Ion:252 Resp: 44581

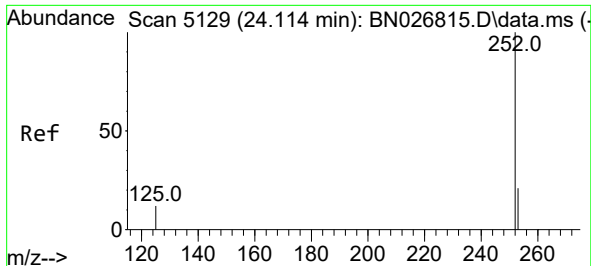
Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

125 12.1 9.9 14.9

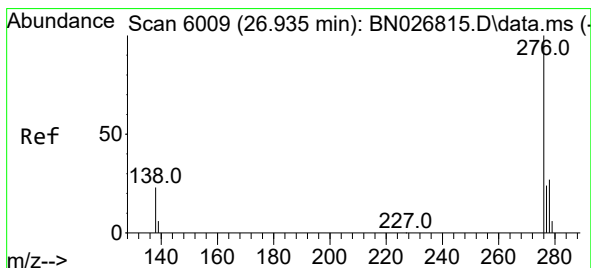
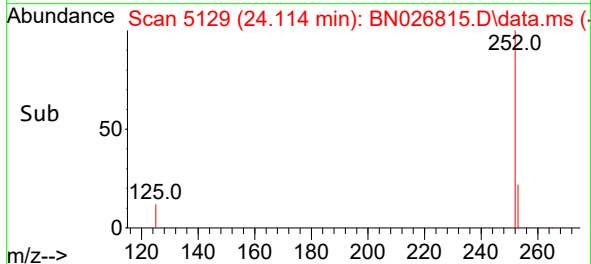
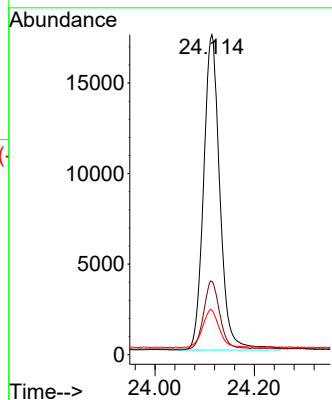
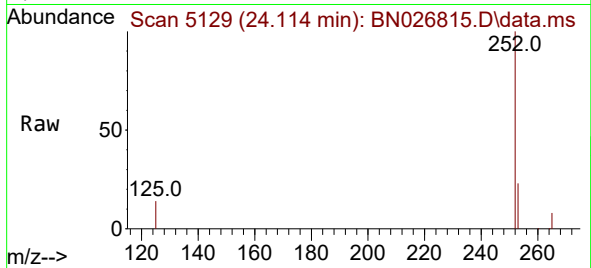




#26
Benzo(a)pyrene
Concen: 0.413 ng/ul
RT: 24.114 min Scan# 5129
Delta R.T. 0.003 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

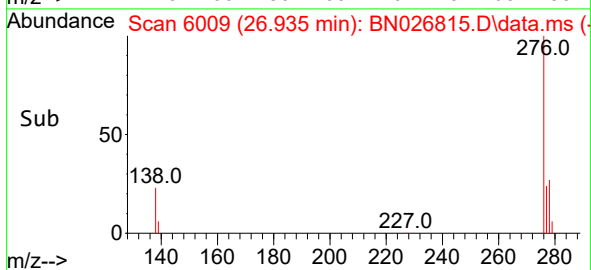
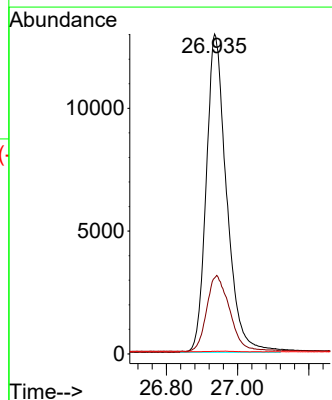
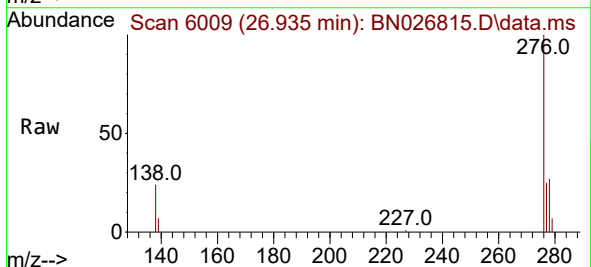
Instrument :
BNA_N
ClientSampleId :
SSTD0.4381

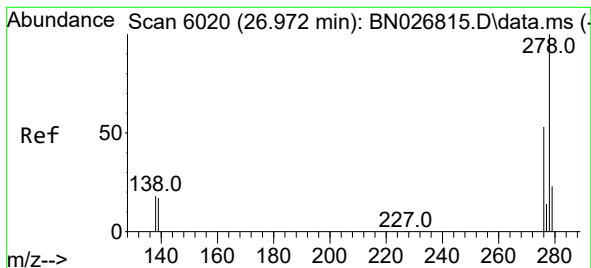
Tgt Ion:	252	Resp:	39722
Ion Ratio	Lower	Upper	
252	100		
253	22.9	19.0	28.6
125	13.9	11.4	17.0



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.409 ng/ul
RT: 26.935 min Scan# 6009
Delta R.T. 0.007 min
Lab File: BN026815.D
Acq: 04 Aug 2023 13:02

Tgt Ion:	276	Resp:	51440
Ion Ratio	Lower	Upper	
276	100		
138	27.0	21.6	32.4
227	0.0	0.0	0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.406 ng/ul

RT: 26.972 min Scan# 6020

Delta R.T. 0.003 min

Lab File: BN026815.D

Acq: 04 Aug 2023 13:02

Instrument :

BNA_N

ClientSampleId :

SSTD0.4381

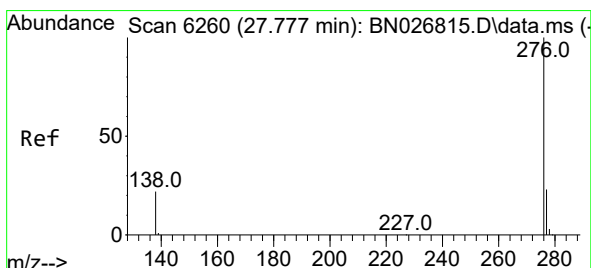
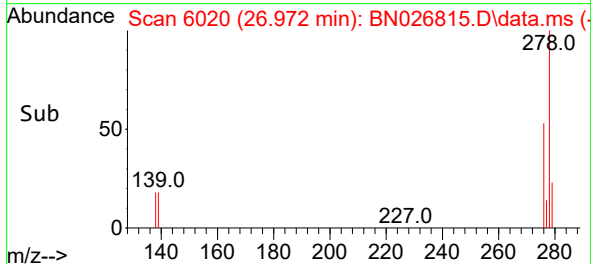
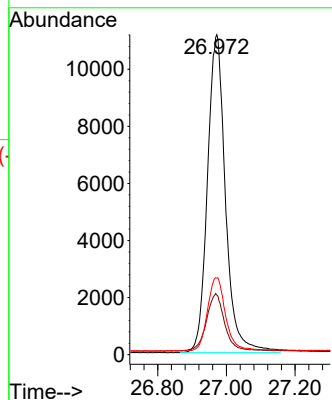
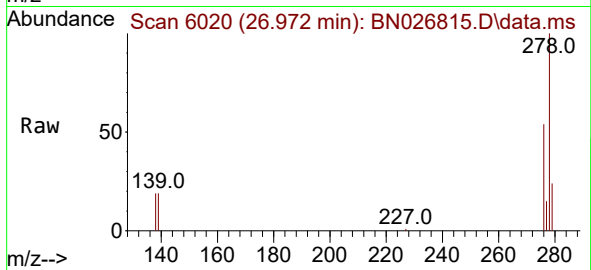
Tgt Ion:278 Resp: 40688

Ion Ratio Lower Upper

278 100

139 18.6 15.7 23.5

279 24.0 20.2 30.4



#29

Benzo(g,h,i)perylene

Concen: 0.410 ng/ul

RT: 27.777 min Scan# 6260

Delta R.T. 0.007 min

Lab File: BN026815.D

Acq: 04 Aug 2023 13:02

Tgt Ion:276 Resp: 42961

Ion Ratio Lower Upper

276 100

138 23.3 19.3 28.9

277 23.9 19.8 29.8

