

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032704.D
 Acq On : 13 Jul 2024 11:30
 Operator : MA/JU
 Sample : P3124-03MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CB3MSD

Quant Time: Jul 15 08:56:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 01:40:24 2024
 Response via : Initial Calibration

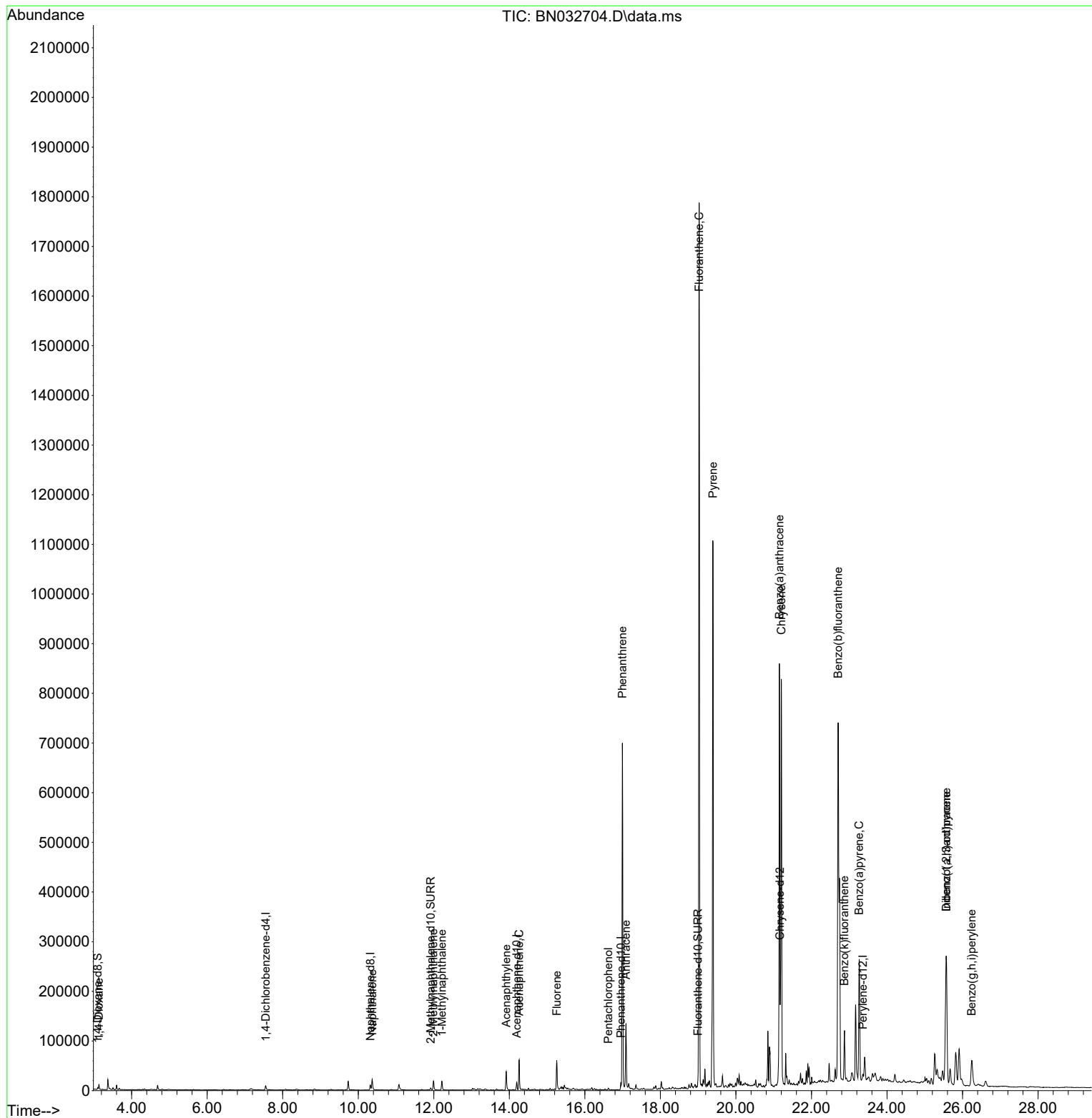
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	5417	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.320	136	16204	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.196	164	8663	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.951	188	17245	0.400	ng/ul	#-0.04
17) Chrysene-d12	21.166	240	14849	0.400	ng/ul	#-0.03
23) Perylene-d12	23.361	264	20732	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	2563	0.394	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.920	152	6623	0.270	ng/ul	-0.05
18) Fluoranthene-d10	18.993	212	14934	0.309	ng/ul	-0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.135	88	7110	0.960	ng/ul#	88
5) Naphthalene	10.369	128	33807	0.777	ng/ul	97
7) 2-Methylnaphthalene	11.992	142	15133	0.557	ng/ul	97
8) 1-Methylnaphthalene	12.217	142	13594	0.484	ng/ul	100
10) Acenaphthylene	13.919	152	49760	1.422	ng/ul	99
11) Acenaphthene	14.261	153	36677	1.267	ng/ul	98
12) Fluorene	15.256	166	41729	1.261	ng/ul	99
14) Pentachlorophenol	16.622	266	2914	0.963	ng/ul	98
15) Phenanthrene	16.993	178	747029	15.906	ng/ul	99
16) Anthracene	17.091	178	145025	3.780	ng/ul	98
19) Fluoranthene	19.025	202	1624683	26.911	ng/ul	99
20) Pyrene	19.393	202	960927	15.377	ng/ul	96
21) Benzo(a)anthracene	21.152	228	749535	15.858	ng/ul	99
22) Chrysene	21.201	228	815095	11.921	ng/ul	98
24) Benzo(b)fluoranthene	22.706	252	1571726	21.486	ng/ul	90
25) Benzo(k)fluoranthene	22.873	252	121180	1.359	ng/ul	95
26) Benzo(a)pyrene	23.265	252	352788	5.573	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.568	276	366317	4.274	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.568	278	159276	2.397	ng/ul	97
29) Benzo(g,h,i)perylene	26.242	276	104201	1.455	ng/ul	98

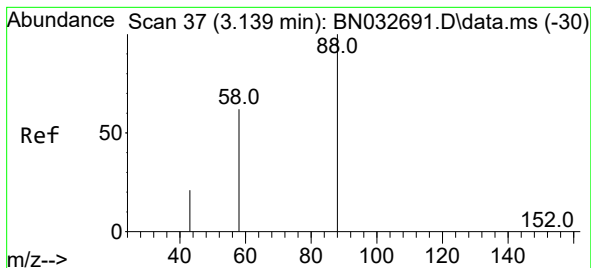
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.960 ng/ul

RT: 3.135 min Scan# 3

Delta R.T. -0.004 min

Lab File: BN032704.D

Acq: 13 Jul 2024 11:30

Instrument :

BNA_N

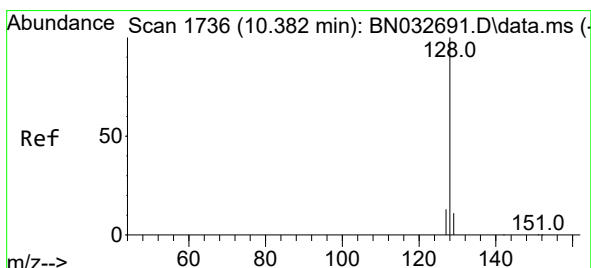
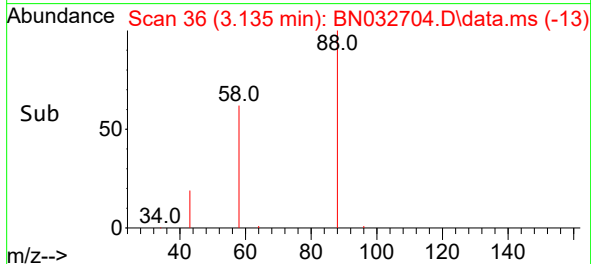
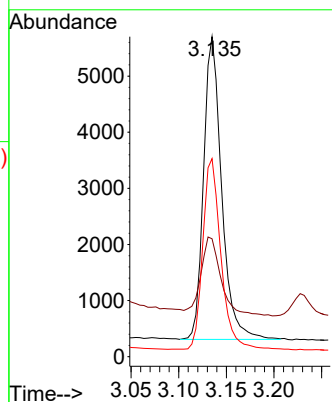
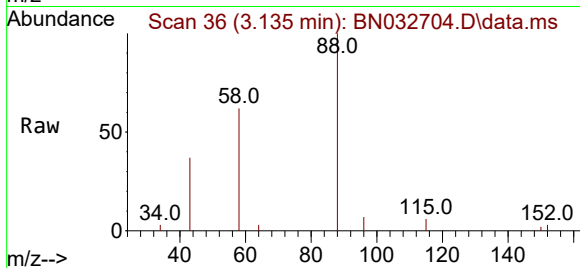
ClientSampleId :

A4CB3MSD

Tgt Ion: 88 Resp: 7110

Ion Ratio Lower Upper

88	100		
43	36.9	24.0	36.0#
58	61.9	43.3	64.9



#5

Naphthalene

Concen: 0.777 ng/ul

RT: 10.369 min Scan# 1734

Delta R.T. -0.040 min

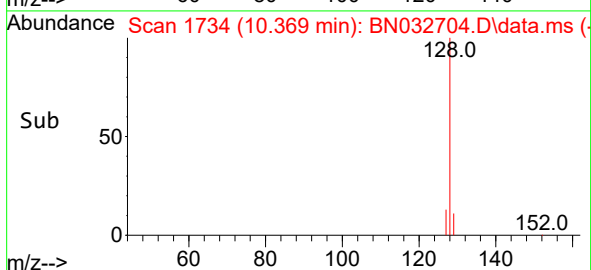
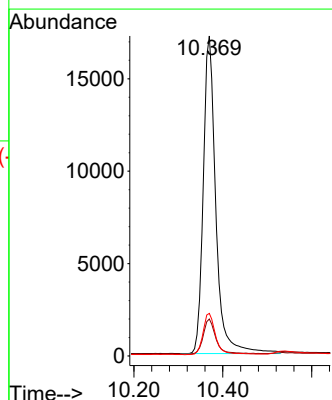
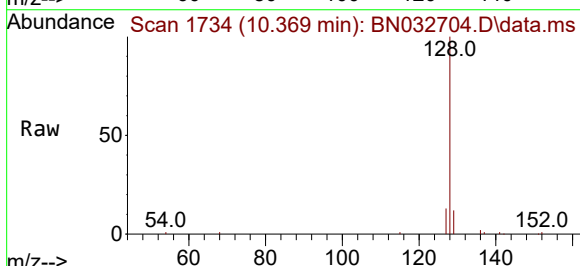
Lab File: BN032704.D

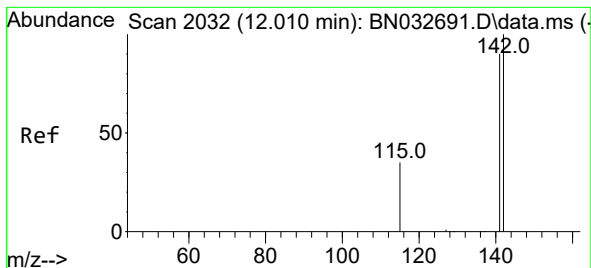
Acq: 13 Jul 2024 11:30

Tgt Ion: 128 Resp: 33807

Ion Ratio Lower Upper

128	100		
129	11.6	10.0	15.0
127	13.3	11.6	17.4

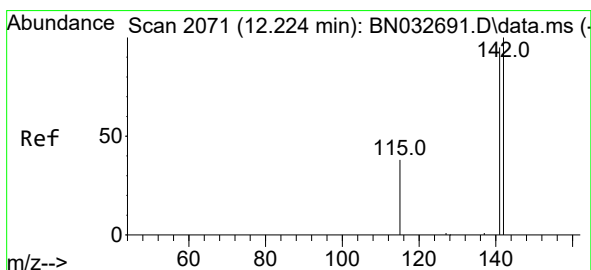
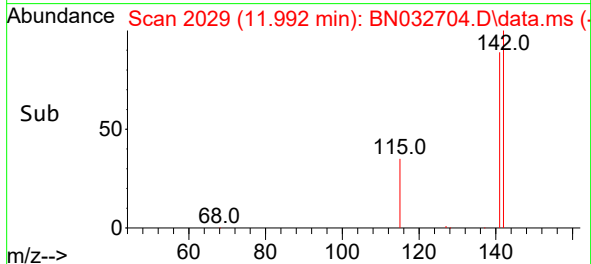
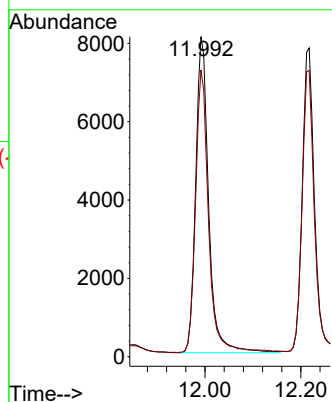
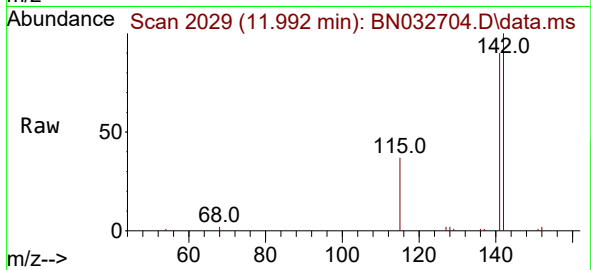




#7
2-Methylnaphthalene
Concen: 0.557 ng/ul
RT: 11.992 min Scan# 2032
Delta R.T. -0.056 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

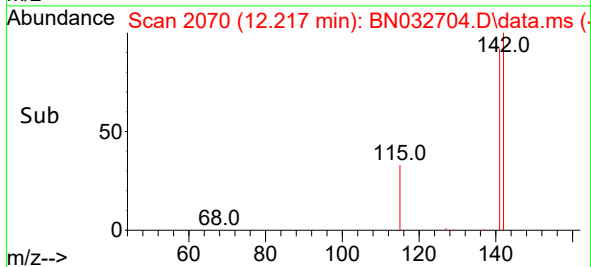
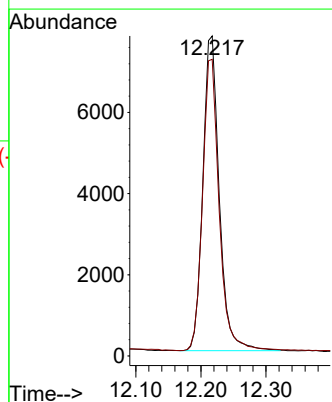
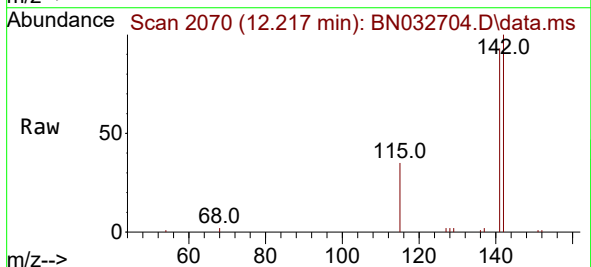
Instrument :
BNA_N
ClientSampleId :
A4CB3MSD

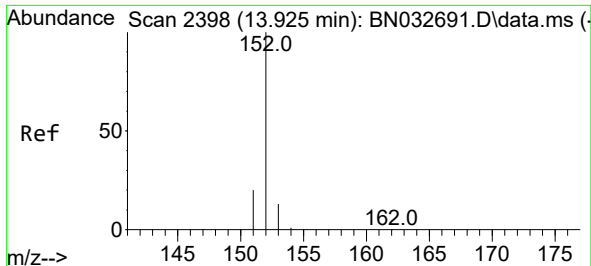
Tgt Ion:142 Resp: 15133
Ion Ratio Lower Upper
142 100
141 89.7 74.0 111.0



#8
1-Methylnaphthalene
Concen: 0.484 ng/ul
RT: 12.217 min Scan# 2070
Delta R.T. -0.029 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

Tgt Ion:142 Resp: 13594
Ion Ratio Lower Upper
142 100
141 93.6 75.0 112.4

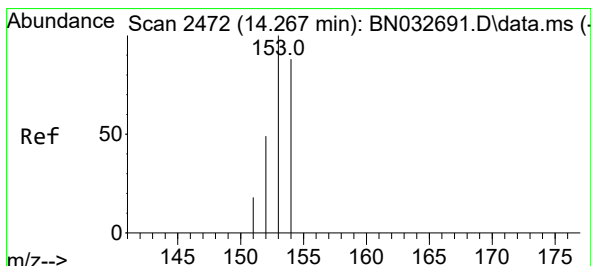
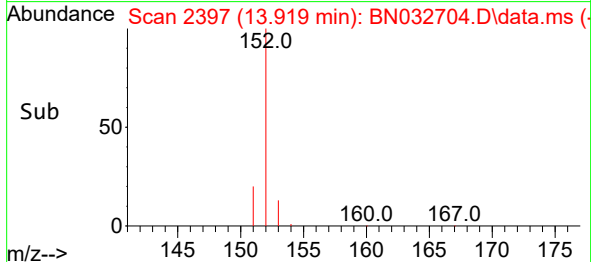
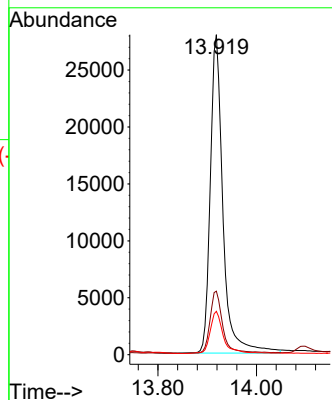
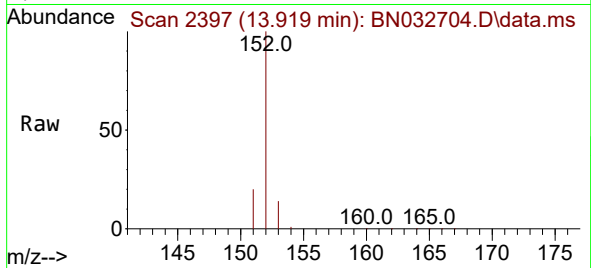




#10
Acenaphthylene
Concen: 1.422 ng/ul
RT: 13.919 min Scan# 21
Delta R.T. -0.024 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

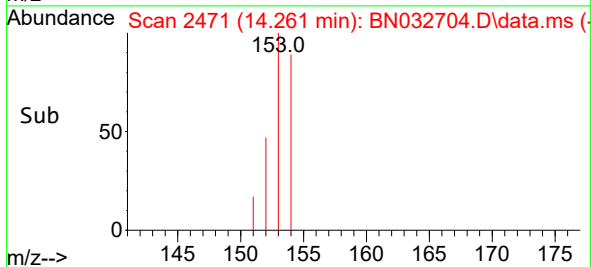
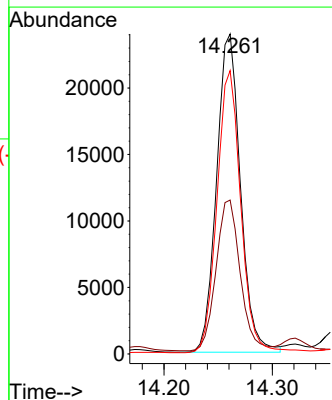
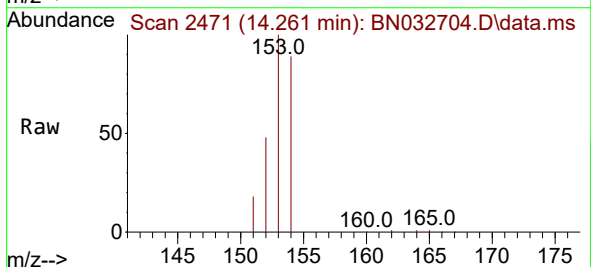
Instrument :
BNA_N
ClientSampleId :
A4CB3MSD

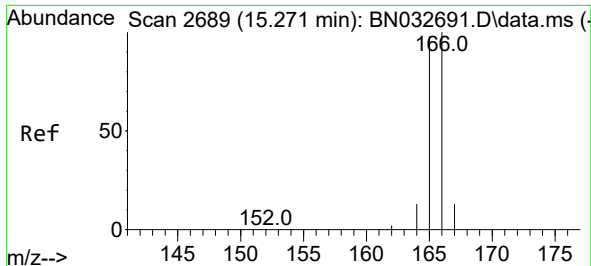
Tgt Ion:152 Resp: 49760
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.6 11.3 16.9



#11
Acenaphthene
Concen: 1.267 ng/ul
RT: 14.261 min Scan# 2471
Delta R.T. -0.020 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

Tgt Ion:153 Resp: 36677
Ion Ratio Lower Upper
153 100
152 48.1 40.0 60.0
154 88.6 70.2 105.4

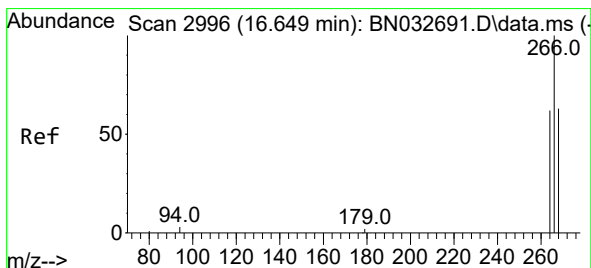
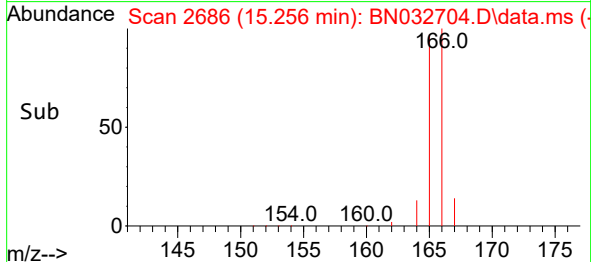
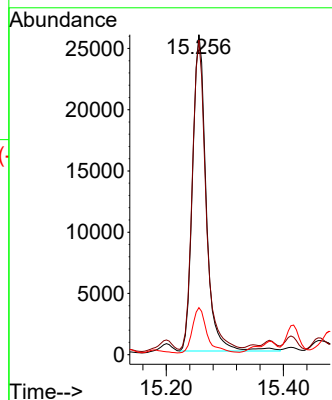
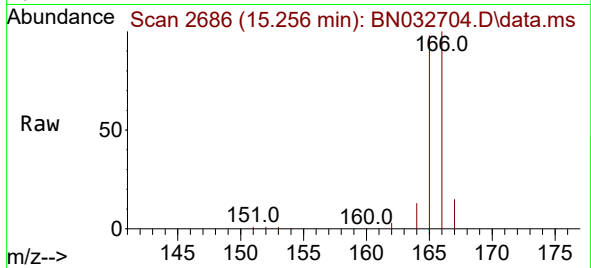




#12
 Fluorene
 Concen: 1.261 ng/ul
 RT: 15.256 min Scan# 2090
 Delta R.T. -0.034 min
 Lab File: BN032704.D
 Acq: 13 Jul 2024 11:30

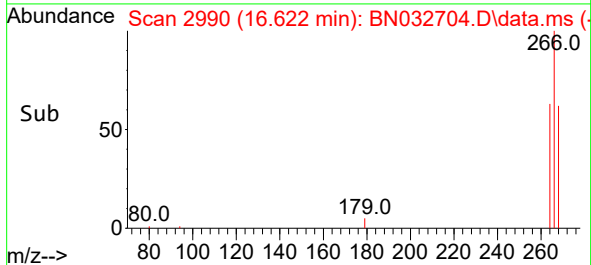
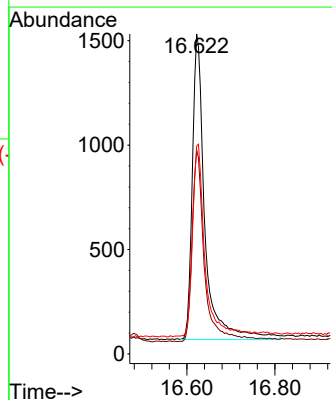
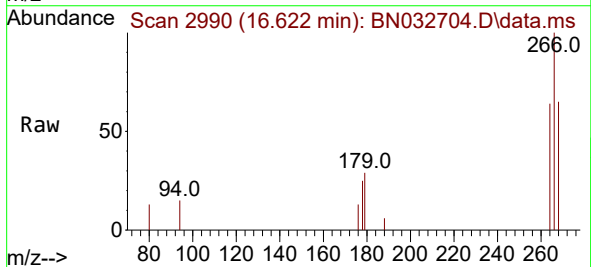
Instrument :
 BNA_N
 ClientSampleId :
 A4CB3MSD

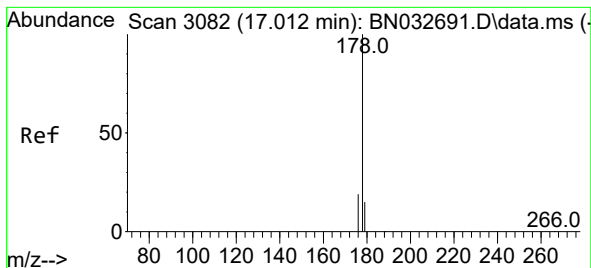
Tgt Ion:166 Resp: 41729
 Ion Ratio Lower Upper
 166 100
 165 98.3 79.7 119.5
 167 14.7 11.4 17.2



#14
 Pentachlorophenol
 Concen: 0.963 ng/ul
 RT: 16.622 min Scan# 2990
 Delta R.T. -0.048 min
 Lab File: BN032704.D
 Acq: 13 Jul 2024 11:30

Tgt Ion:266 Resp: 2914
 Ion Ratio Lower Upper
 266 100
 264 62.3 49.4 74.2
 268 62.6 51.6 77.4





#15

Phenanthrene

Concen: 15.906 ng/ul

RT: 16.993 min Scan# 3082

Delta R.T. -0.035 min

Lab File: BN032704.D

Acq: 13 Jul 2024 11:30

Instrument :

BNA_N

ClientSampleId :

A4CB3MSD

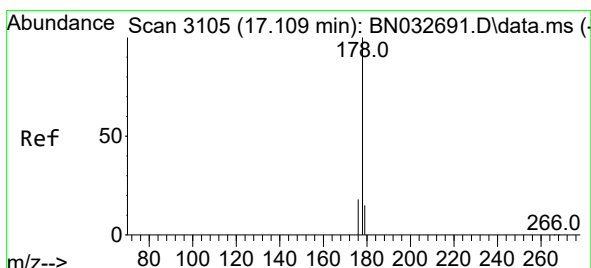
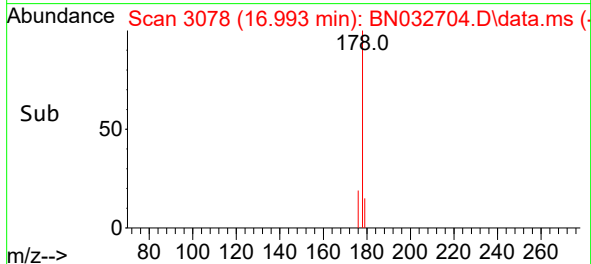
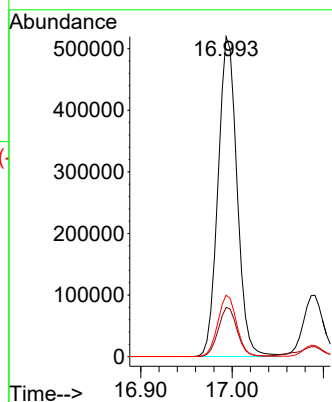
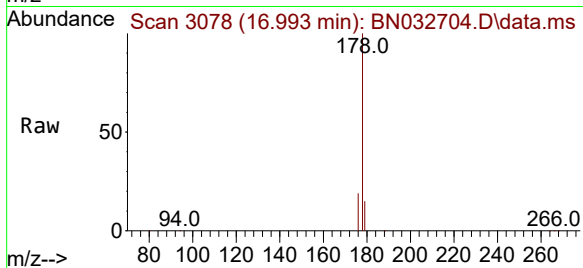
Tgt Ion:178 Resp: 747029

Ion Ratio Lower Upper

178 100

179 15.4 13.0 19.4

176 19.2 15.6 23.4



#16

Anthracene

Concen: 3.780 ng/ul

RT: 17.091 min Scan# 3101

Delta R.T. -0.048 min

Lab File: BN032704.D

Acq: 13 Jul 2024 11:30

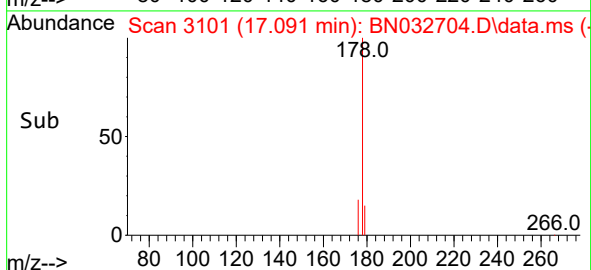
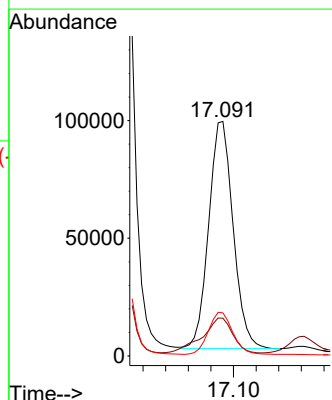
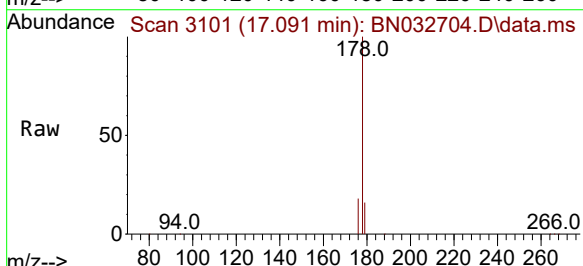
Tgt Ion:178 Resp: 145025

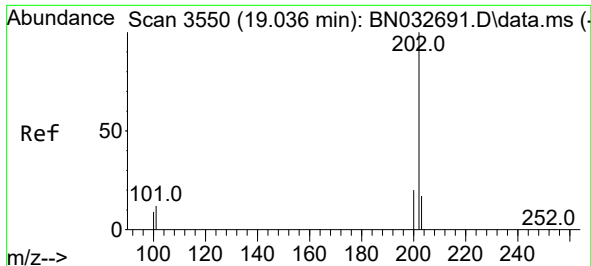
Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

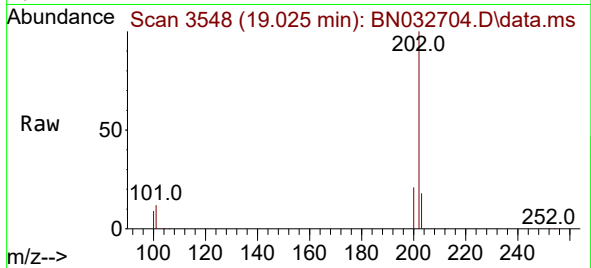
176 18.4 15.4 23.0



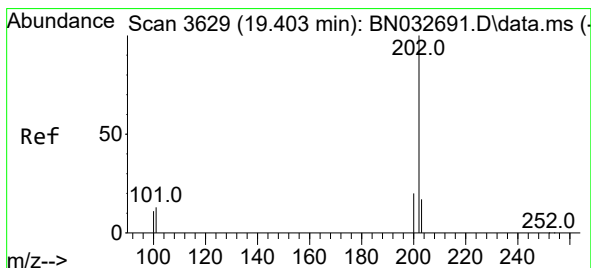
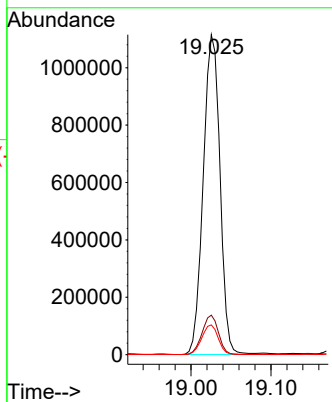
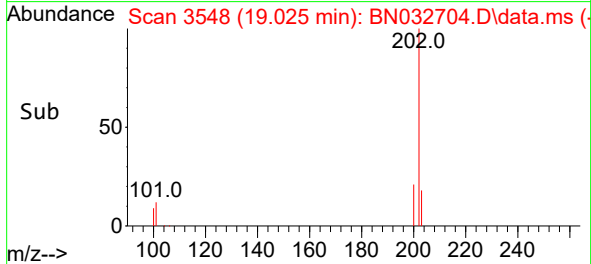


#19
Fluoranthene
Concen: 26.911 ng/ul
RT: 19.025 min Scan# 3548
Delta R.T. -0.029 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

Instrument :
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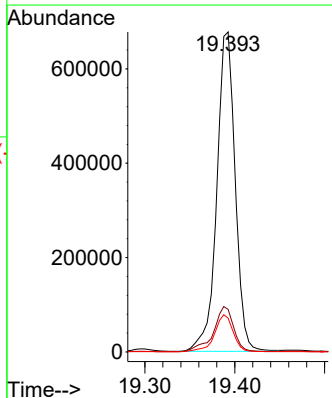
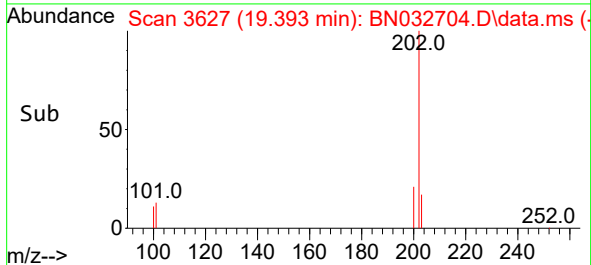
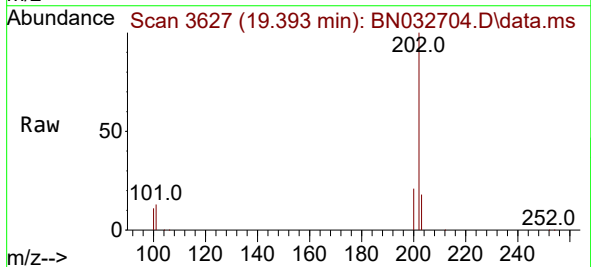


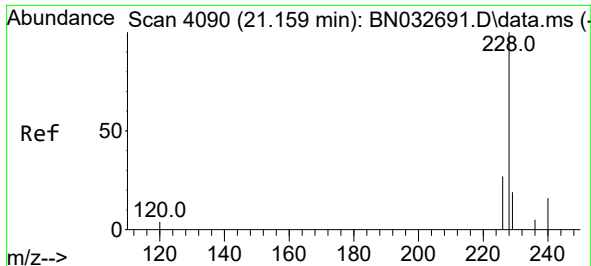
Tgt Ion:202 Resp: 1624683
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.8
100 9.3 7.9 11.9



#20
Pyrene
Concen: 15.377 ng/ul
RT: 19.393 min Scan# 3627
Delta R.T. -0.029 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

Tgt Ion:202 Resp: 960927
Ion Ratio Lower Upper
202 100
101 13.3 11.8 17.6
100 10.6 9.6 14.4

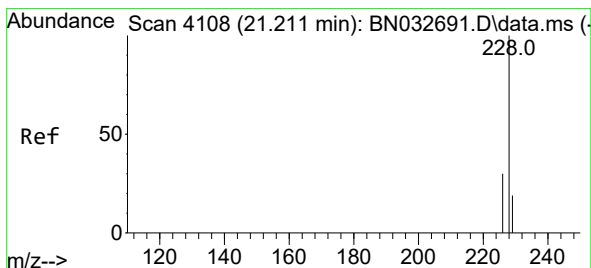
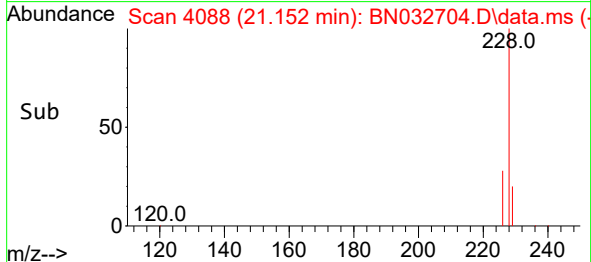
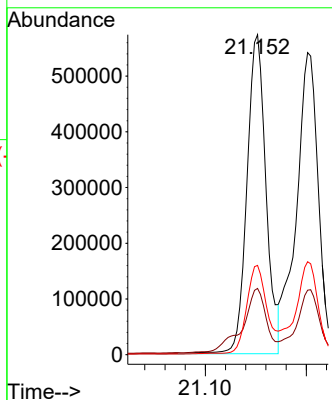
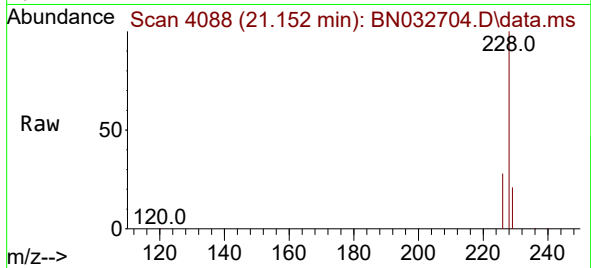




#21
Benzo(a)anthracene
Concen: 15.858 ng/ul
RT: 21.152 min Scan# 4090
Delta R.T. -0.031 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

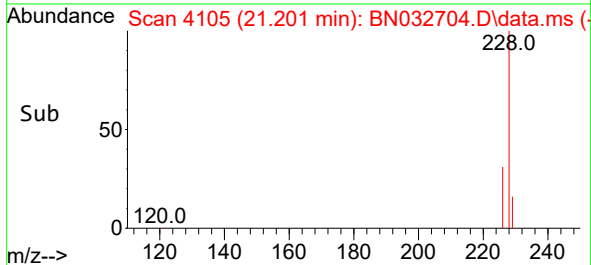
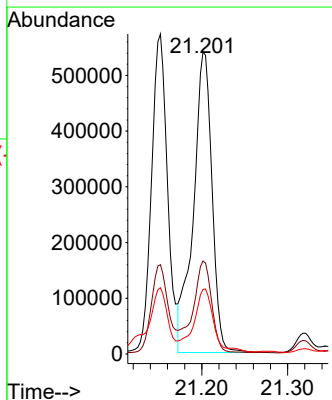
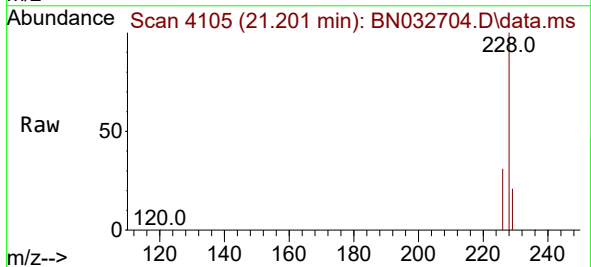
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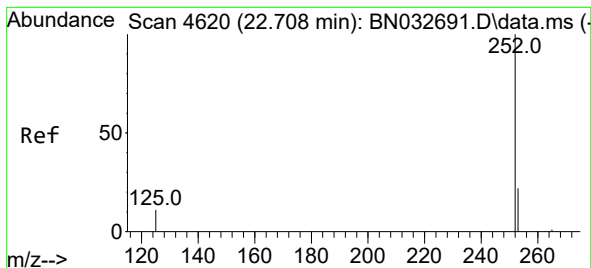
Tgt Ion:228 Resp: 749535
Ion Ratio Lower Upper
228 100
229 20.7 16.1 24.1
226 27.9 21.9 32.9



#22
Chrysene
Concen: 11.921 ng/ul
RT: 21.201 min Scan# 4105
Delta R.T. -0.031 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

Tgt Ion:228 Resp: 815095
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 21.3 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 21.486 ng/ul

RT: 22.706 min Scan# 4620

Delta R.T. -0.028 min

Lab File: BN032704.D

Acq: 13 Jul 2024 11:30

Instrument :

BNA_N

ClientSampleId :

A4CB3MSD

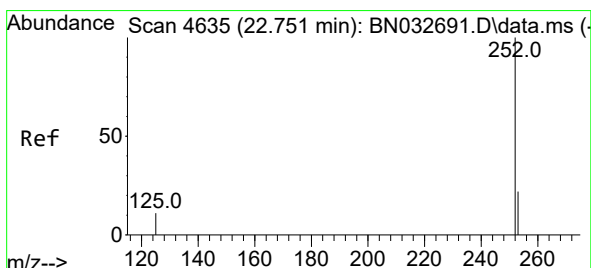
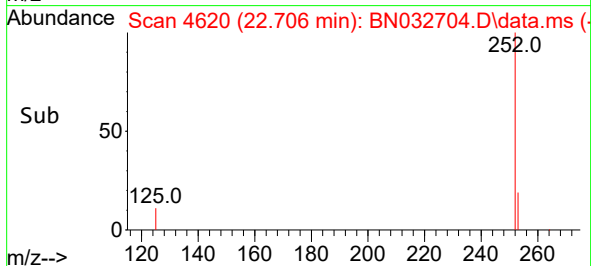
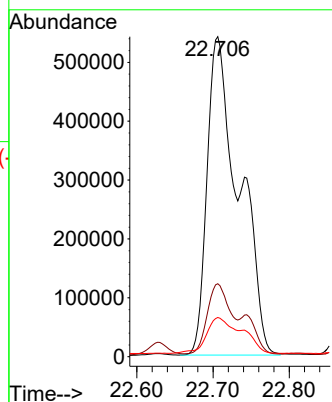
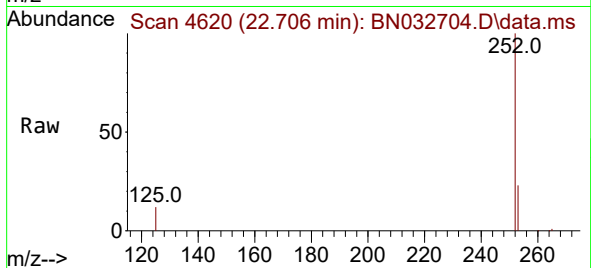
Tgt Ion:252 Resp: 1571726

Ion Ratio Lower Upper

252 100

253 22.8 0.0 54.0

125 12.2 0.0 36.0



#25

Benzo(k)fluoranthene

Concen: 1.359 ng/ul

RT: 22.873 min Scan# 4677

Delta R.T. 0.095 min

Lab File: BN032704.D

Acq: 13 Jul 2024 11:30

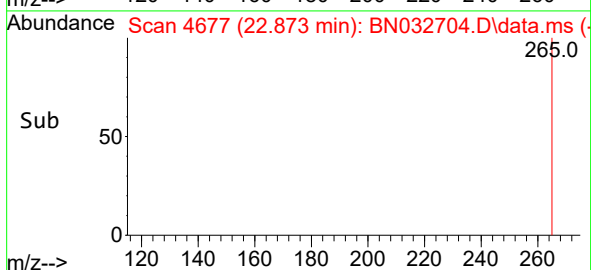
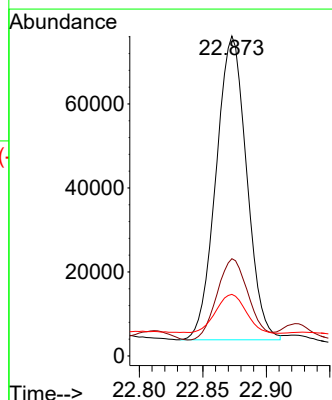
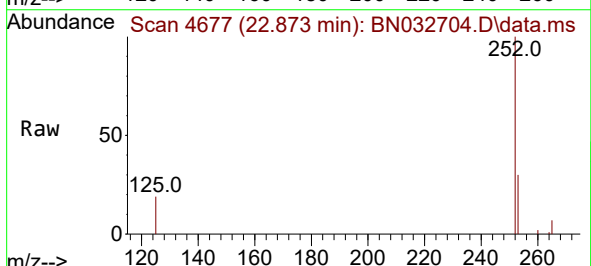
Tgt Ion:252 Resp: 121180

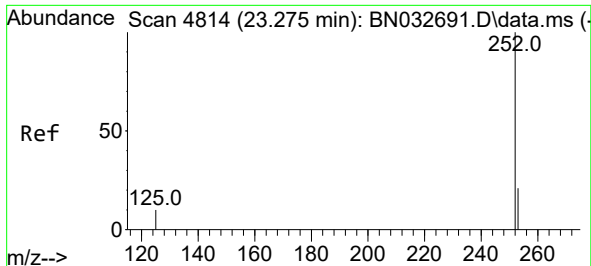
Ion Ratio Lower Upper

252 100

253 30.4 21.2 31.8

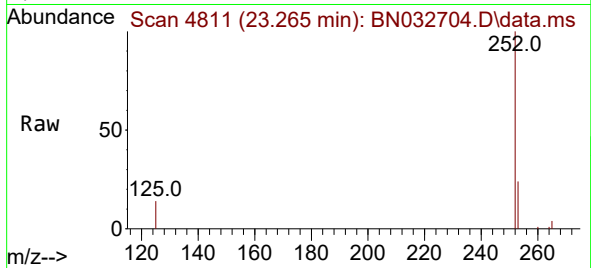
125 19.2 14.8 22.2



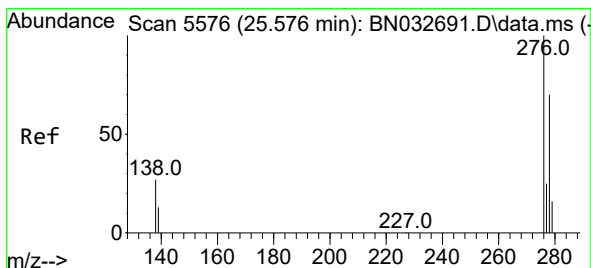
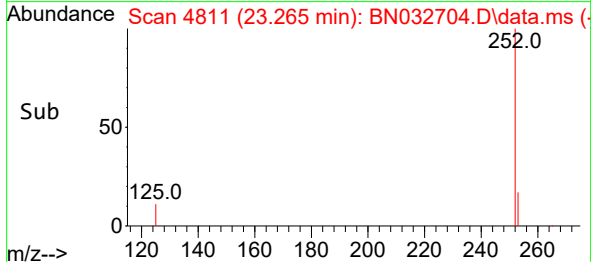
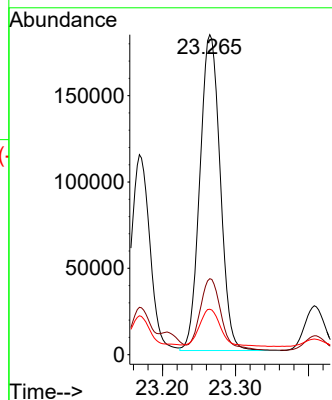


#26
Benzo(a)pyrene
Concen: 5.573 ng/ul
RT: 23.265 min Scan# 4811
Delta R.T. -0.045 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

Instrument :
BNA_N
ClientSampleId :
A4CB3MSD

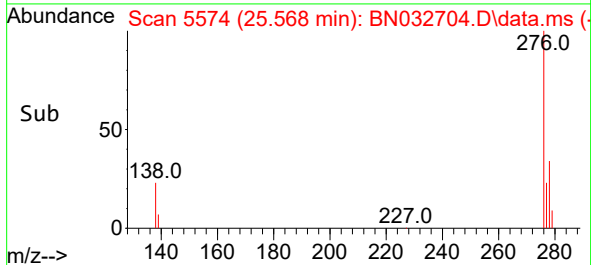
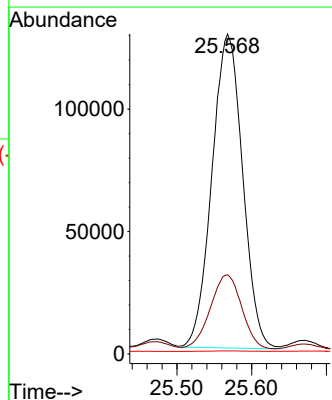
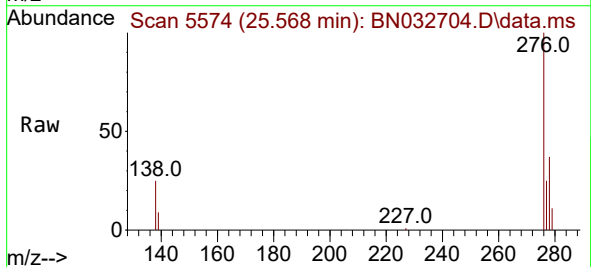


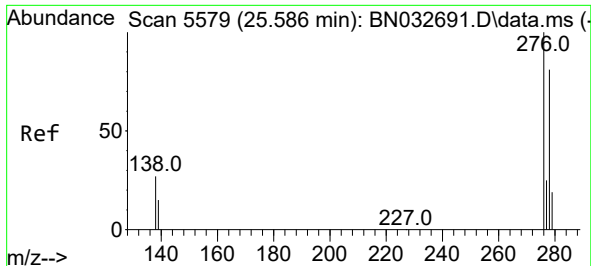
Tgt Ion:252 Resp: 352788
Ion Ratio Lower Upper
252 100
253 23.8 25.4 38.0#
125 14.2 20.6 30.8#



#27
Indeno(1,2,3-cd)pyrene
Concen: 4.274 ng/ul
RT: 25.568 min Scan# 5574
Delta R.T. -0.058 min
Lab File: BN032704.D
Acq: 13 Jul 2024 11:30

Tgt Ion:276 Resp: 366317
Ion Ratio Lower Upper
276 100
138 24.1 21.6 32.4
227 0.2 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 2.397 ng/ul

RT: 25.568 min Scan# 51

Delta R.T. -0.072 min

Lab File: BN032704.D

Acq: 13 Jul 2024 11:30

Instrument :

BNA_N

ClientSampleId :

A4CB3MSD

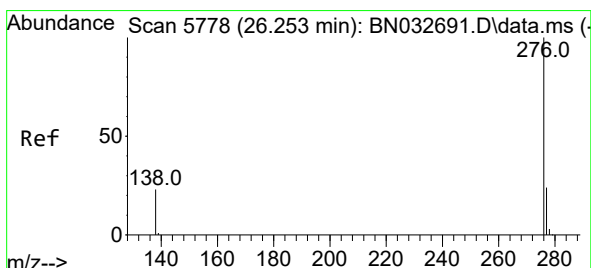
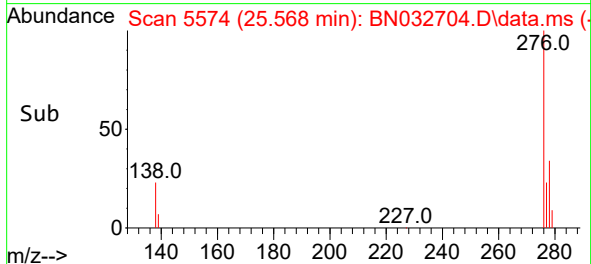
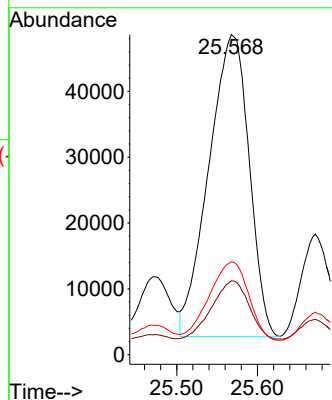
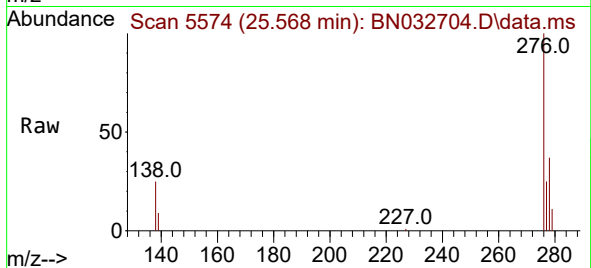
Tgt Ion:278 Resp: 159276

Ion Ratio Lower Upper

278 100

139 23.1 16.6 24.8

279 29.0 23.7 35.5



#29

Benzo(g,h,i)perylene

Concen: 1.455 ng/ul

RT: 26.242 min Scan# 5775

Delta R.T. -0.058 min

Lab File: BN032704.D

Acq: 13 Jul 2024 11:30

Tgt Ion:276 Resp: 104201

Ion Ratio Lower Upper

276 100

138 26.6 21.0 31.4

277 27.2 20.6 31.0

