

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032707.D
 Acq On : 13 Jul 2024 13:18
 Operator : MA/JU
 Sample : P3125-03MSD
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CZ2MSD

Quant Time: Jul 15 08:56:55 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

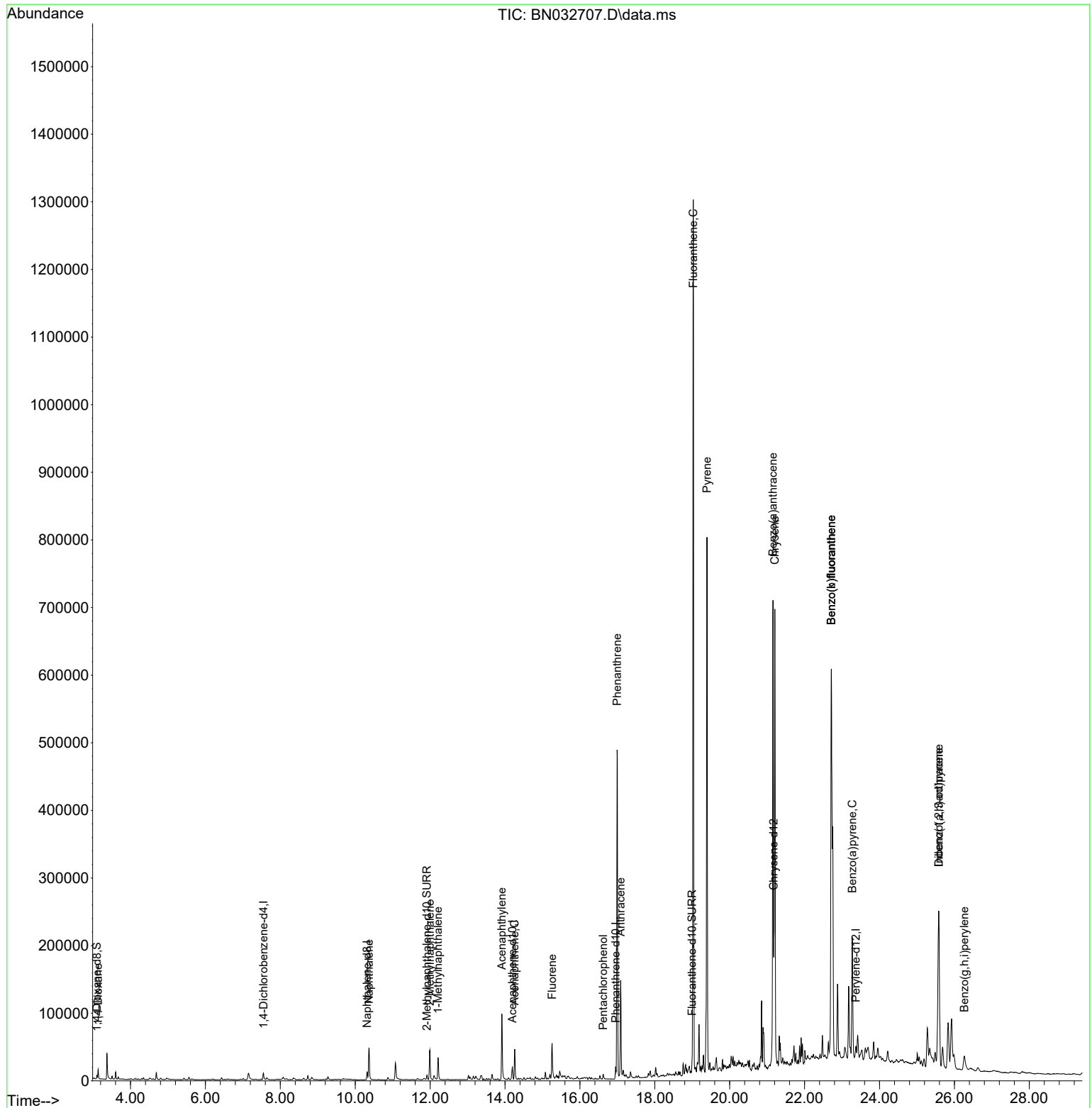
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.549	152	5781	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.316	136	17488	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.198	164	10274	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.953	188	21146	0.400	ng/ul	#-0.04
17) Chrysene-d12	21.171	240	17971	0.400	ng/ul	#-0.02
23) Perylene-d12	23.368	264	25162	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	3415	0.492	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.916	152	9762	0.369	ng/ul	-0.05
18) Fluoranthene-d10	18.994	212	22428	0.383	ng/ul	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.135	88	9618	1.217	ng/ul	90
5) Naphthalene	10.365	128	70137	1.494	ng/ul	97
7) 2-Methylnaphthalene	11.993	142	33998	1.160	ng/ul	97
8) 1-Methylnaphthalene	12.213	142	24211	0.799	ng/ul	99
10) Acenaphthylene	13.915	152	125626	3.027	ng/ul	99
11) Acenaphthene	14.258	153	28505	0.830	ng/ul	100
12) Fluorene	15.257	166	36978	0.942	ng/ul	99
14) Pentachlorophenol	16.623	266	5621	1.515	ng/ul	99
15) Phenanthrene	16.995	178	531413	9.228	ng/ul	99
16) Anthracene	17.088	178	158842	3.376	ng/ul	99
19) Fluoranthene	19.027	202	1097007	15.014	ng/ul	98
20) Pyrene	19.394	202	685176	9.060	ng/ul	98
21) Benzo(a)anthracene	21.156	228	605630	10.587	ng/ul	97
22) Chrysene	21.206	228	659038	7.964	ng/ul	97
24) Benzo(b)fluoranthene	22.713	252	1263572	14.232	ng/ul	92
25) Benzo(k)fluoranthene	22.713	252	1044135	9.651	ng/ul#	92
26) Benzo(a)pyrene	23.272	252	253013	3.293	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	25.583	276	307120	2.952	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.583	278	162076	2.010	ng/ul#	90
29) Benzo(g,h,i)perylene	26.263	276	42440	0.488	ng/ul#	78

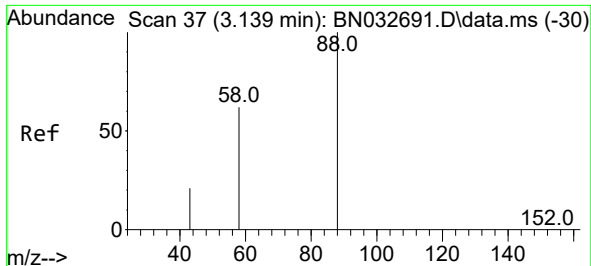
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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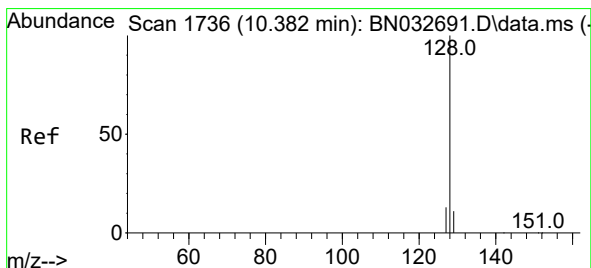
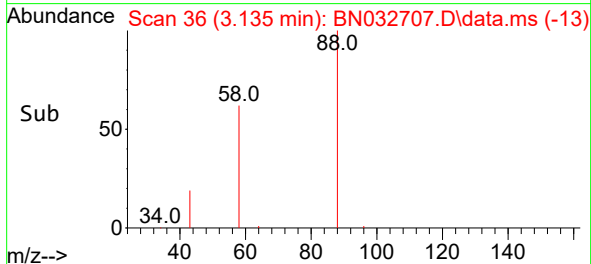
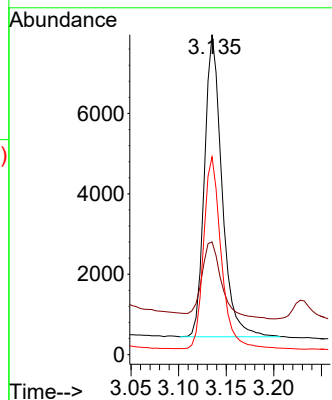
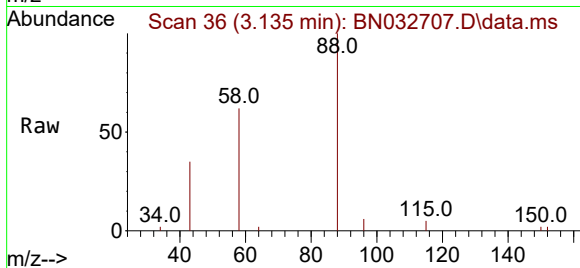




#2
 1,4-Dioxane
 Concen: 1.217 ng/ul
 RT: 3.135 min Scan# 30
 Delta R.T. -0.004 min
 Lab File: BN032707.D
 Acq: 13 Jul 2024 13:18

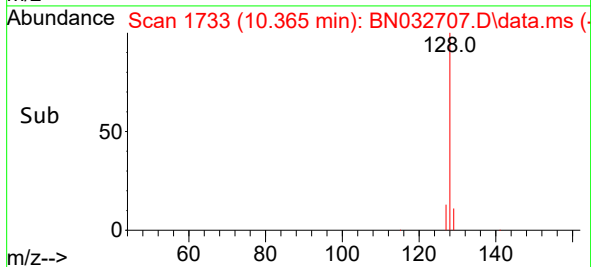
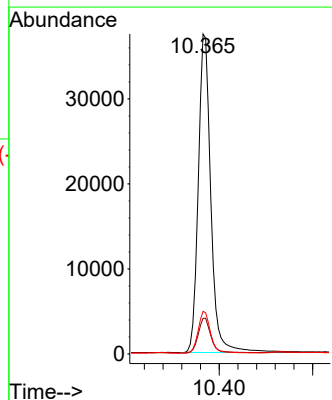
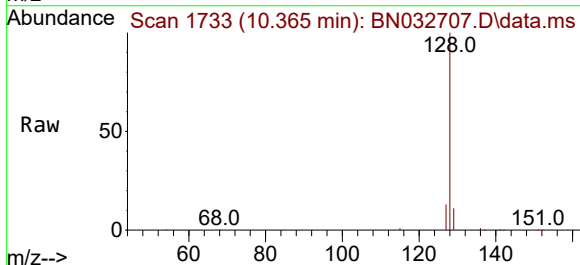
Instrument :
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 ClientSampleId :
 A4CZ2MSD

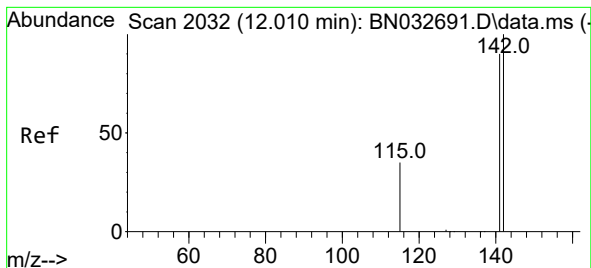
Tgt Ion: 88 Resp: 9618
 Ion Ratio Lower Upper
 88 100
 43 35.2 24.0 36.0
 58 61.8 43.3 64.9



#5
 Naphthalene
 Concen: 1.494 ng/ul
 RT: 10.365 min Scan# 1733
 Delta R.T. -0.044 min
 Lab File: BN032707.D
 Acq: 13 Jul 2024 13:18

Tgt Ion:128 Resp: 70137
 Ion Ratio Lower Upper
 128 100
 129 11.2 10.0 15.0
 127 13.3 11.6 17.4

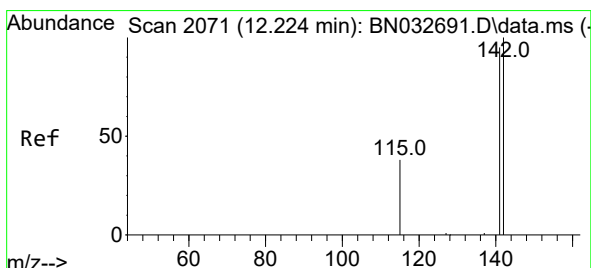
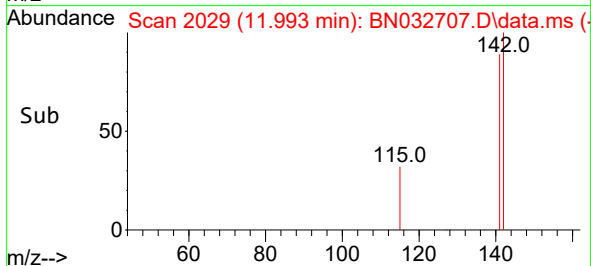
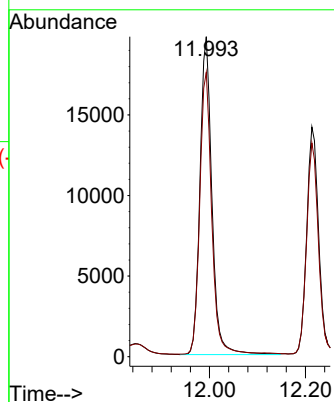
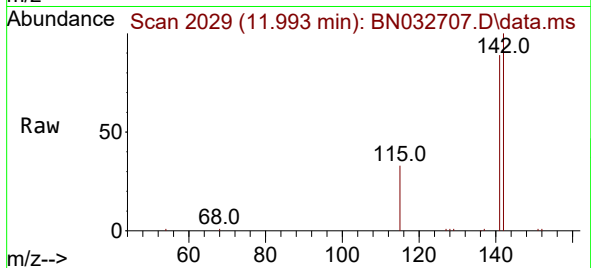




#7
2-Methylnaphthalene
Concen: 1.160 ng/ul
RT: 11.993 min Scan# 2069
Delta R.T. -0.055 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

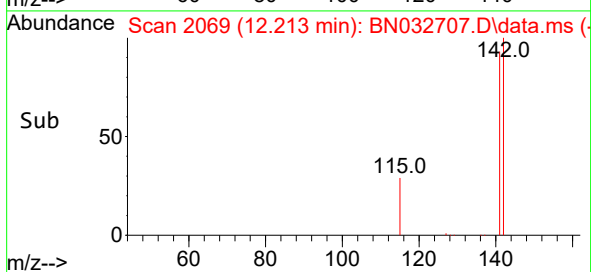
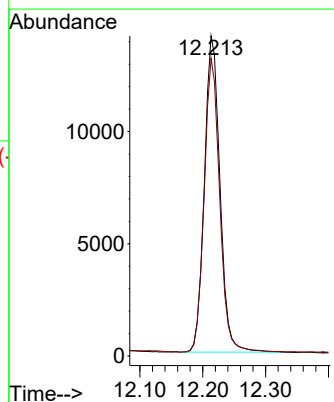
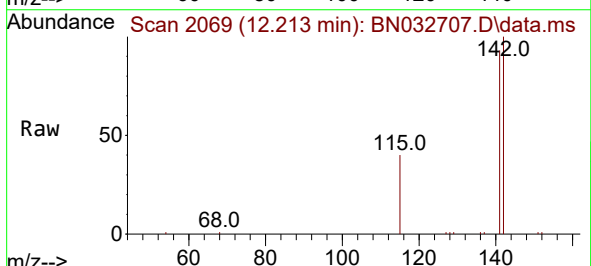
Instrument :
BNA_N
ClientSampleId :
A4CZ2MSD

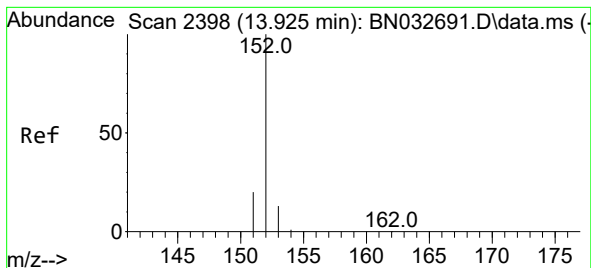
Tgt Ion:142 Resp: 33998
Ion Ratio Lower Upper
142 100
141 89.2 74.0 111.0



#8
1-Methylnaphthalene
Concen: 0.799 ng/ul
RT: 12.213 min Scan# 2069
Delta R.T. -0.033 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

Tgt Ion:142 Resp: 24211
Ion Ratio Lower Upper
142 100
141 92.9 75.0 112.4





#10

Acenaphthylene

Concen: 3.027 ng/ul

RT: 13.915 min Scan# 21

Delta R.T. -0.028 min

Lab File: BN032707.D

Acq: 13 Jul 2024 13:18

Instrument :

BNA_N

ClientSampleId :

A4CZ2MSD

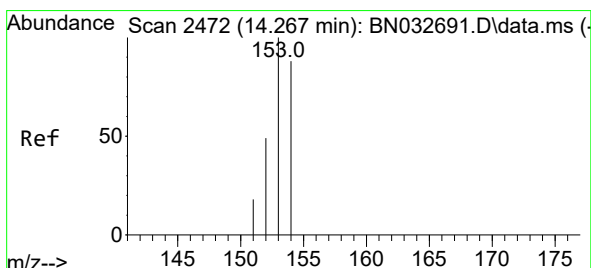
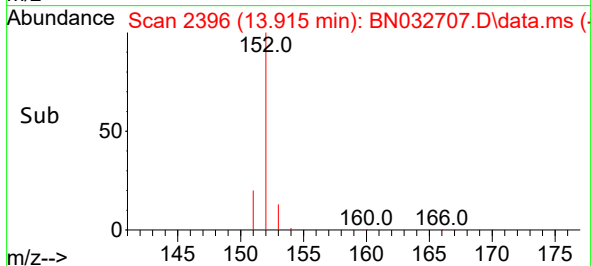
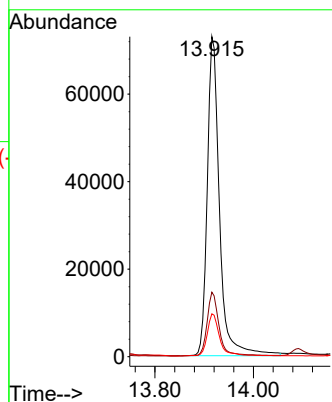
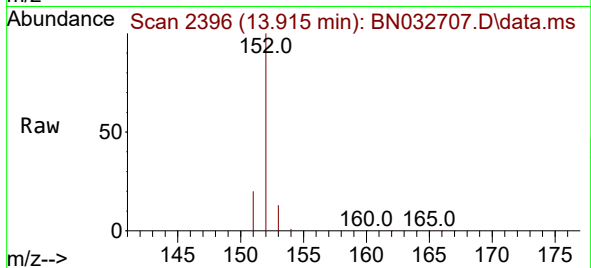
Tgt Ion:152 Resp: 125626

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

153 13.4 11.3 16.9



#11

Acenaphthene

Concen: 0.830 ng/ul

RT: 14.258 min Scan# 2470

Delta R.T. -0.023 min

Lab File: BN032707.D

Acq: 13 Jul 2024 13:18

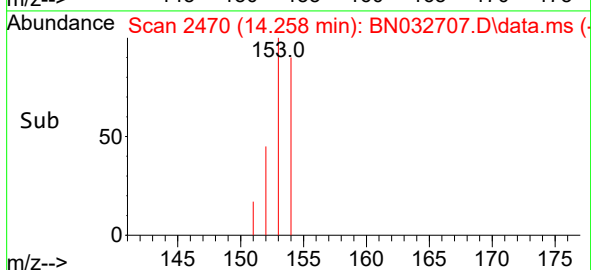
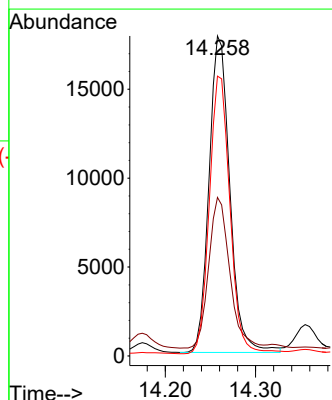
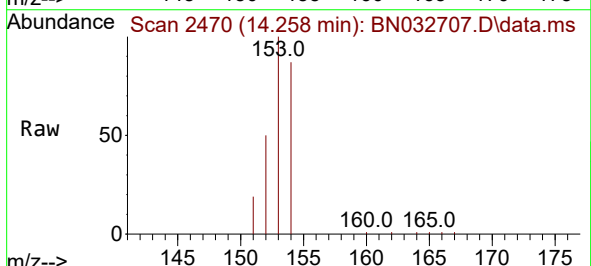
Tgt Ion:153 Resp: 28505

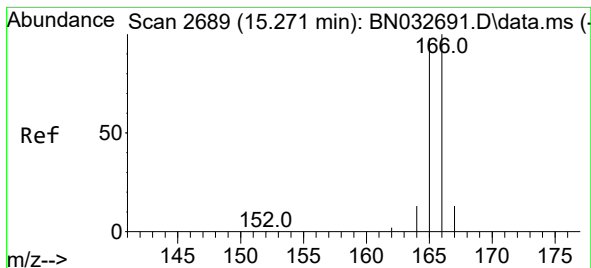
Ion Ratio Lower Upper

153 100

152 49.6 40.0 60.0

154 87.4 70.2 105.4





#12

Fluorene

Concen: 0.942 ng/ul

RT: 15.257 min Scan# 20

Delta R.T. -0.032 min

Lab File: BN032707.D

Acq: 13 Jul 2024 13:18

Instrument :

BNA_N

ClientSampleId :

A4CZ2MSD

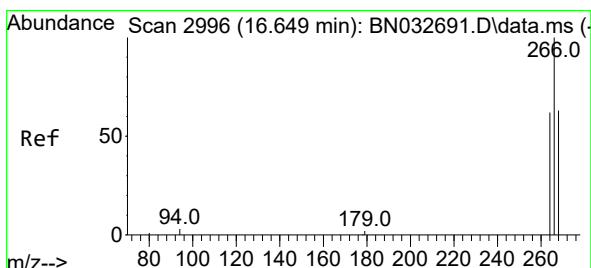
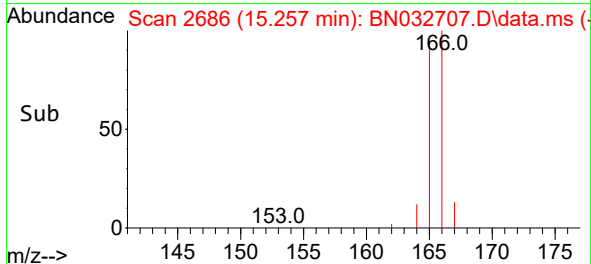
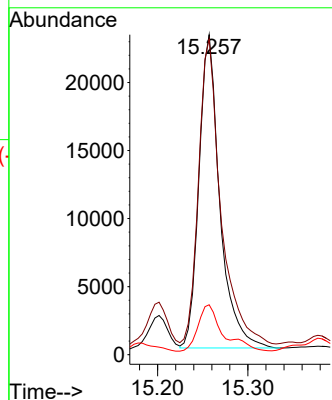
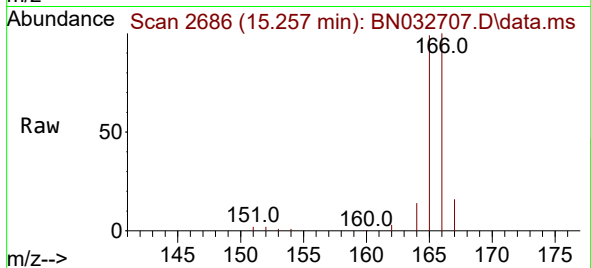
Tgt Ion:166 Resp: 36978

Ion Ratio Lower Upper

166 100

165 98.7 79.7 119.5

167 15.6 11.4 17.2



#14

Pentachlorophenol

Concen: 1.515 ng/ul

RT: 16.623 min Scan# 2990

Delta R.T. -0.046 min

Lab File: BN032707.D

Acq: 13 Jul 2024 13:18

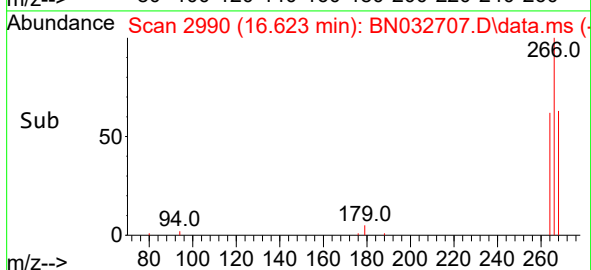
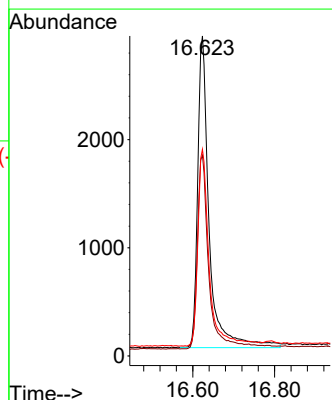
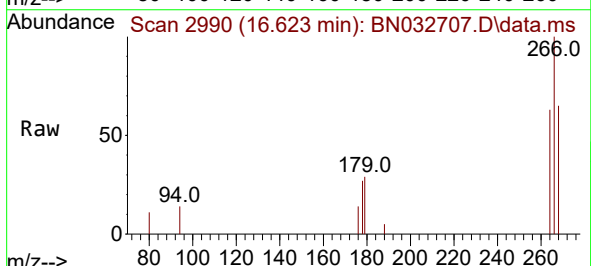
Tgt Ion:266 Resp: 5621

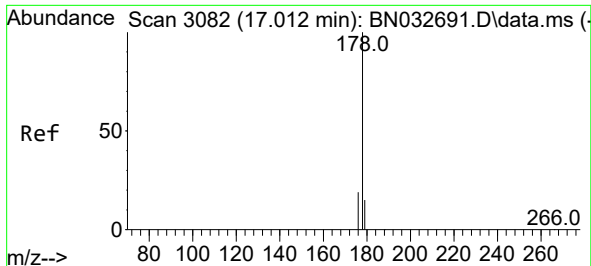
Ion Ratio Lower Upper

266 100

264 62.8 49.4 74.2

268 63.2 51.6 77.4

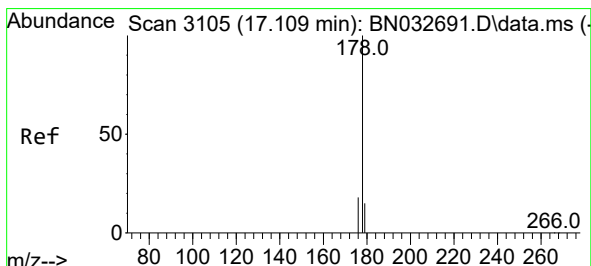
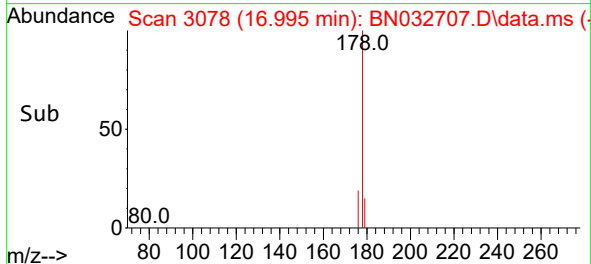
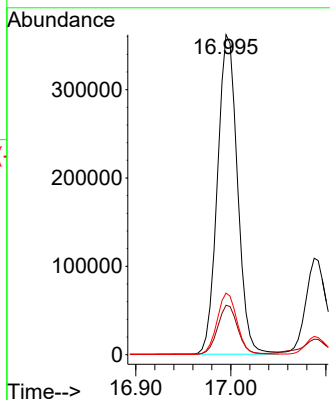
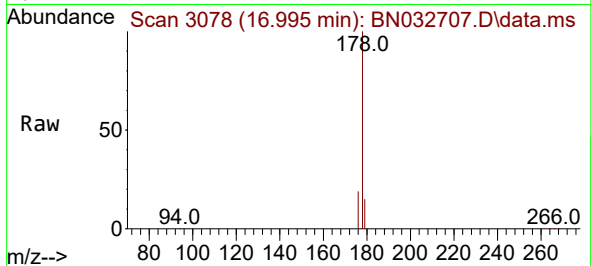




#15
Phenanthrene
Concen: 9.228 ng/ul
RT: 16.995 min Scan# 3082
Delta R.T. -0.034 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

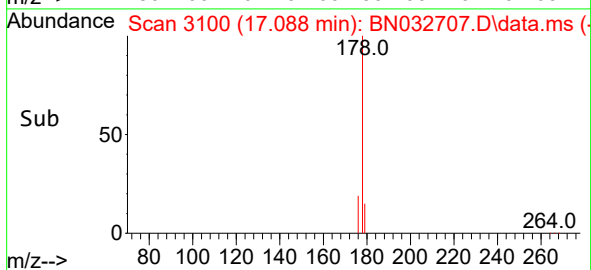
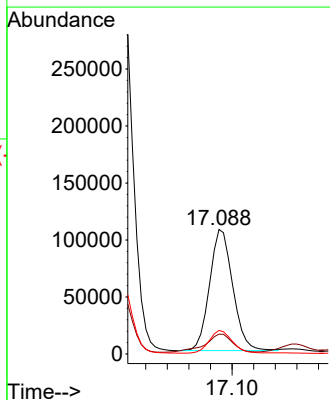
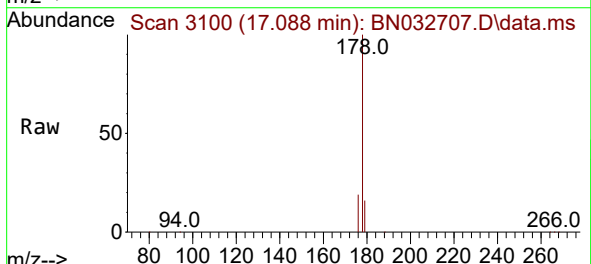
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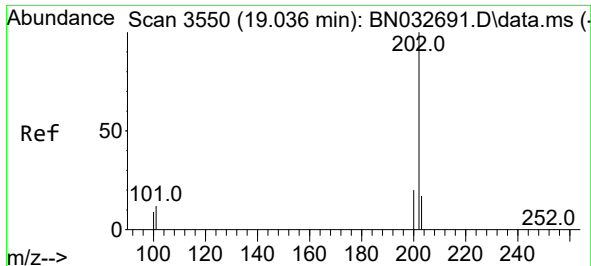
Tgt Ion:178 Resp: 531413
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.4
176 19.3 15.6 23.4



#16
Anthracene
Concen: 3.376 ng/ul
RT: 17.088 min Scan# 3100
Delta R.T. -0.051 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

Tgt Ion:178 Resp: 158842
Ion Ratio Lower Upper
178 100
179 16.0 13.4 20.2
176 18.8 15.4 23.0

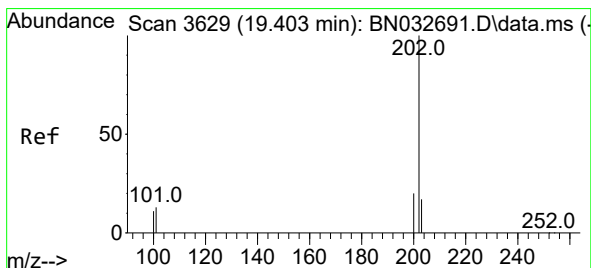
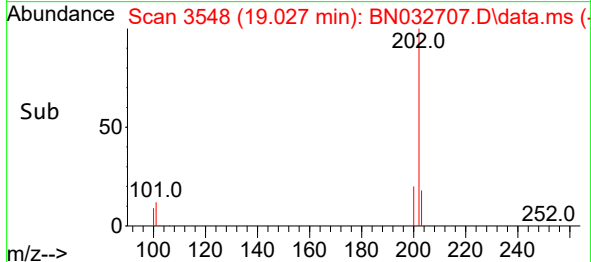
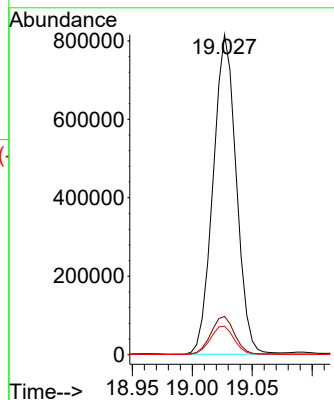
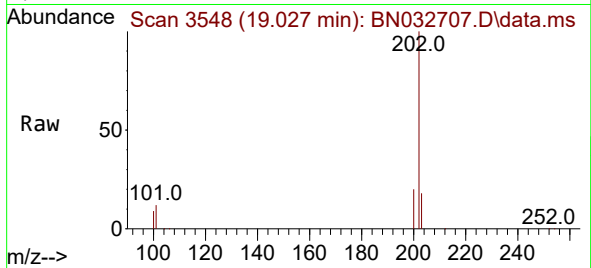




#19
Fluoranthene
Concen: 15.014 ng/ul
RT: 19.027 min Scan# 3548
Delta R.T. -0.028 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

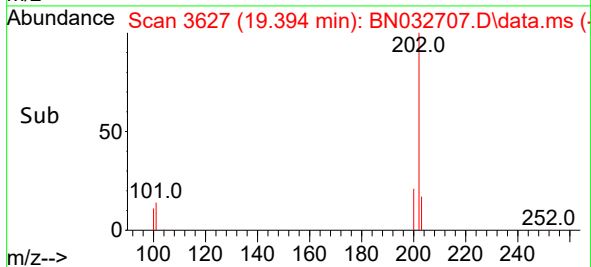
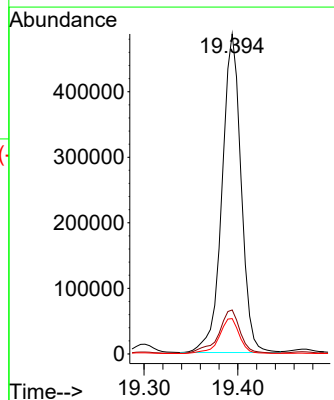
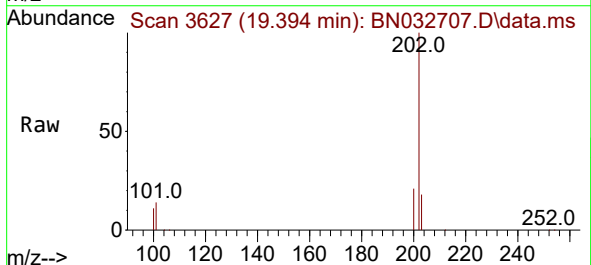
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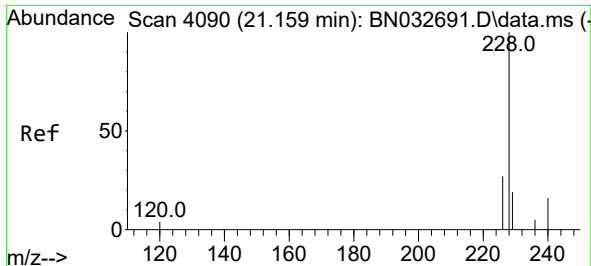
Tgt Ion:202 Resp: 1097007
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
100 8.9 7.9 11.9



#20
Pyrene
Concen: 9.060 ng/ul
RT: 19.394 min Scan# 3627
Delta R.T. -0.028 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

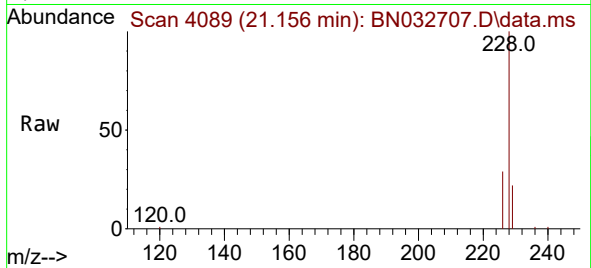
Tgt Ion:202 Resp: 685176
Ion Ratio Lower Upper
202 100
101 13.8 11.8 17.6
100 11.0 9.6 14.4



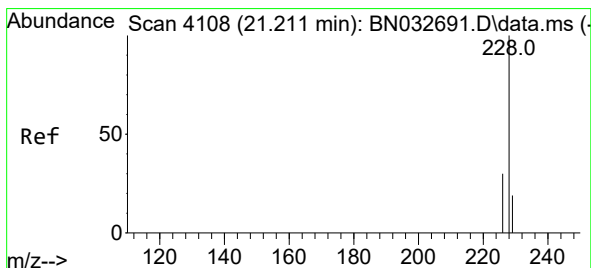
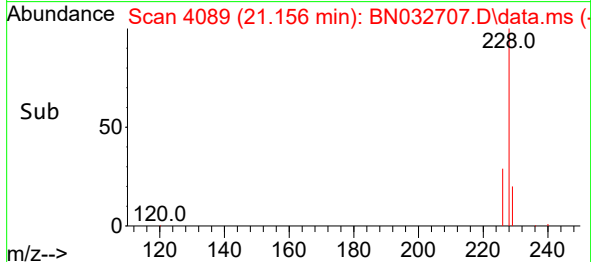
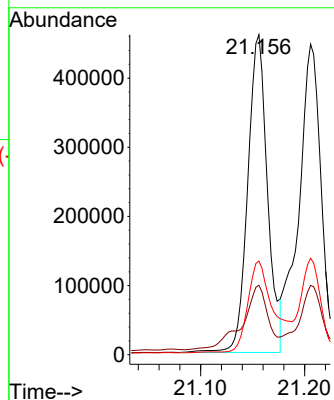


#21
Benzo(a)anthracene
Concen: 10.587 ng/ul
RT: 21.156 min Scan# 4090
Delta R.T. -0.026 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

Instrument :
BNA_N
ClientSampleId :
A4CZ2MSD

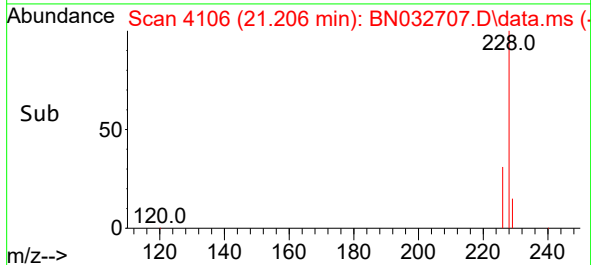
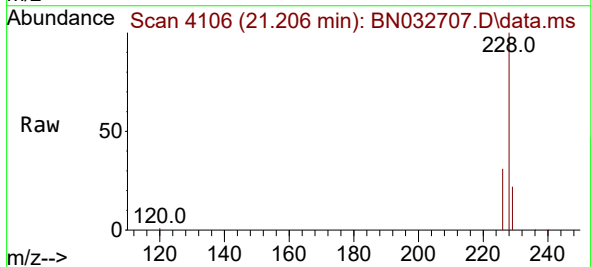
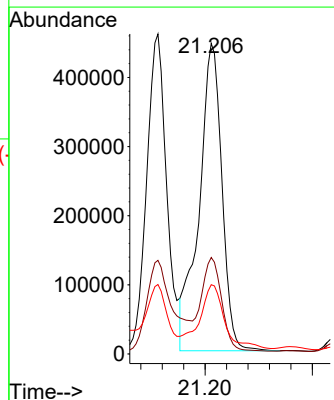


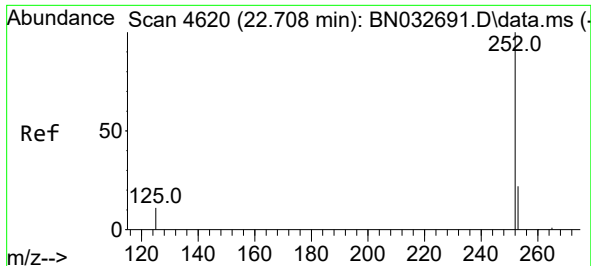
Tgt Ion:228 Resp: 605630
Ion Ratio Lower Upper
228 100
229 21.7 16.1 24.1
226 29.2 21.9 32.9



#22
Chrysene
Concen: 7.964 ng/ul
RT: 21.206 min Scan# 4106
Delta R.T. -0.026 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

Tgt Ion:228 Resp: 659038
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 22.3 15.8 23.6

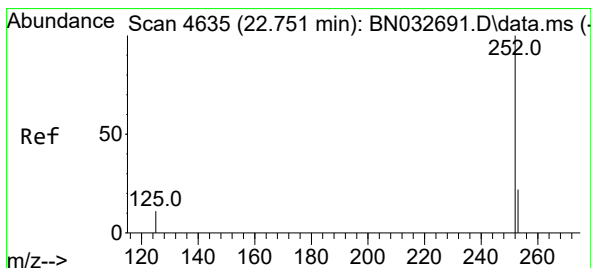
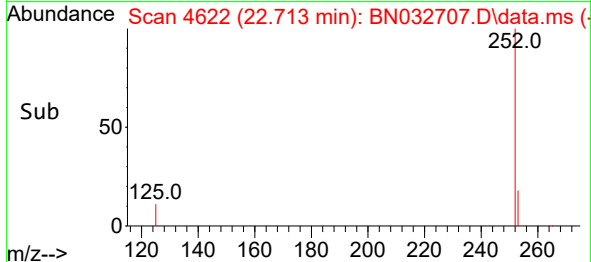
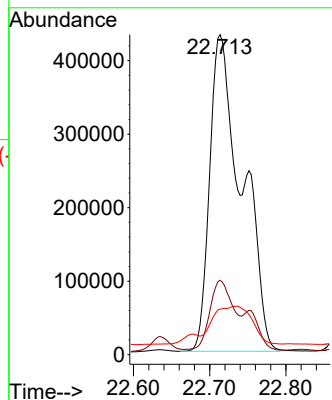
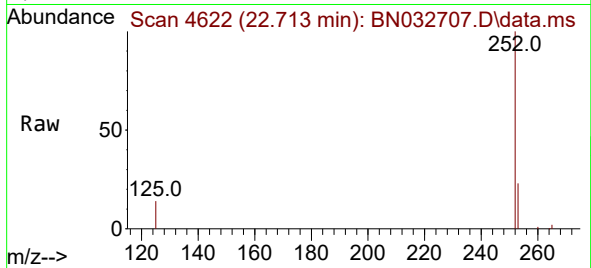




#24
Benzo(b)fluoranthene
Concen: 14.232 ng/ul
RT: 22.713 min Scan# 4622
Delta R.T. -0.020 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

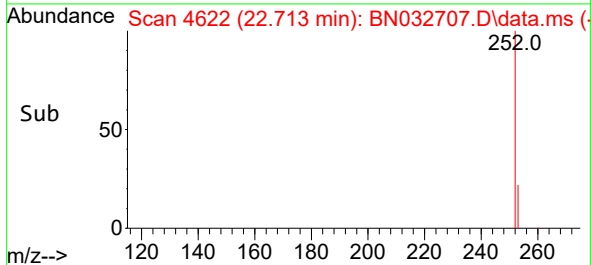
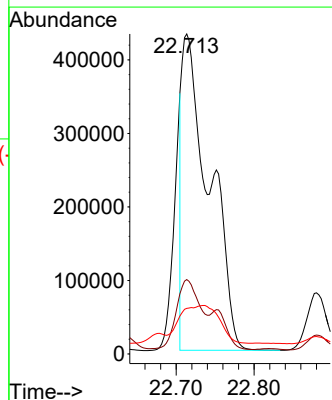
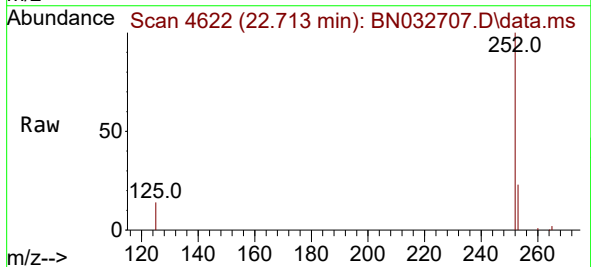
Instrument :
BNA_N
ClientSampleId :
A4CZ2MSD

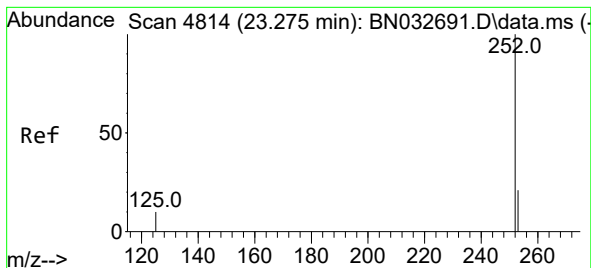
Tgt Ion:252 Resp: 1263572
Ion Ratio Lower Upper
252 100
253 23.2 0.0 54.0
125 14.2 0.0 36.0



#25
Benzo(k)fluoranthene
Concen: 9.651 ng/ul
RT: 22.713 min Scan# 4622
Delta R.T. -0.064 min
Lab File: BN032707.D
Acq: 13 Jul 2024 13:18

Tgt Ion:252 Resp: 1044135
Ion Ratio Lower Upper
252 100
253 23.2 21.2 31.8
125 14.2 14.8 22.2#





#26

Benzo(a)pyrene

Concen: 3.293 ng/ul

RT: 23.272 min Scan# 4813

Delta R.T. -0.038 min

Lab File: BN032707.D

Acq: 13 Jul 2024 13:18

Instrument :

BNA_N

ClientSampleId :

A4CZ2MSD

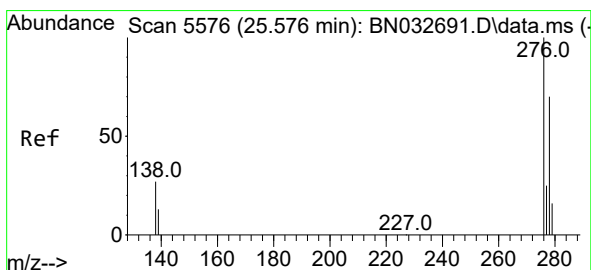
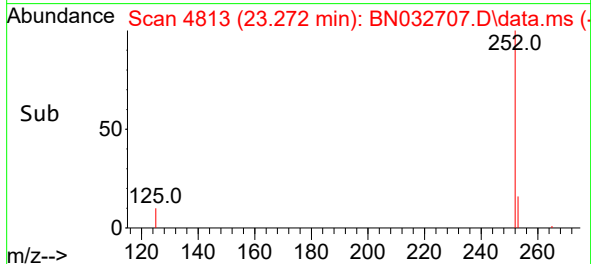
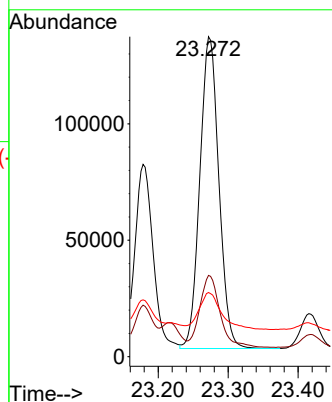
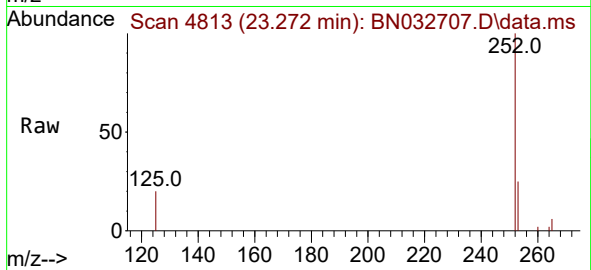
Tgt Ion:252 Resp: 253013

Ion Ratio Lower Upper

252 100

253 25.4 25.4 38.0

125 20.1 20.6 30.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.952 ng/ul

RT: 25.583 min Scan# 5578

Delta R.T. -0.044 min

Lab File: BN032707.D

Acq: 13 Jul 2024 13:18

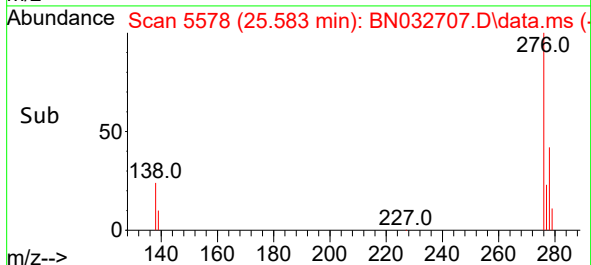
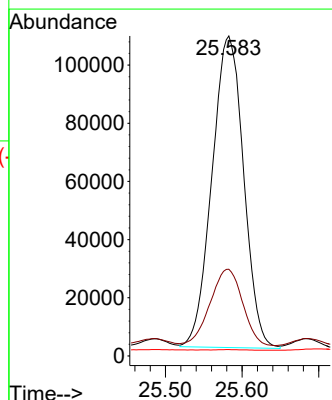
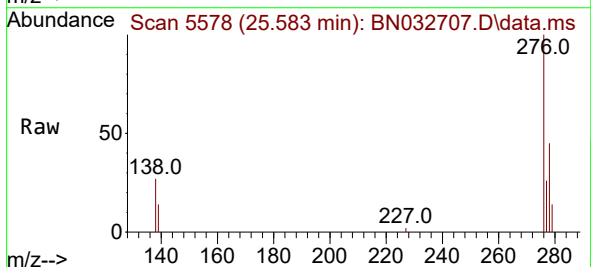
Tgt Ion:276 Resp: 307120

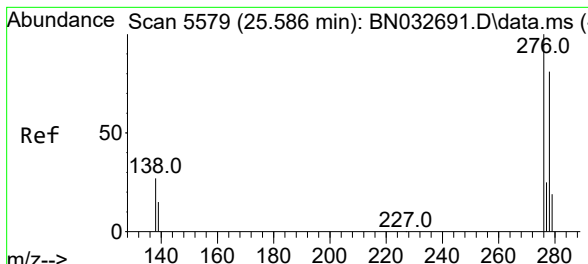
Ion Ratio Lower Upper

276 100

138 25.3 21.6 32.4

227 0.2 0.0 0.0#



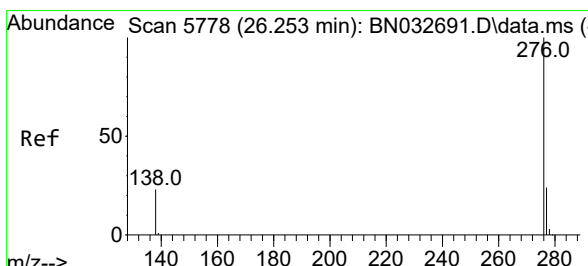
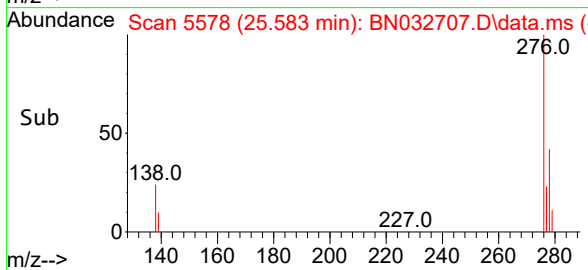
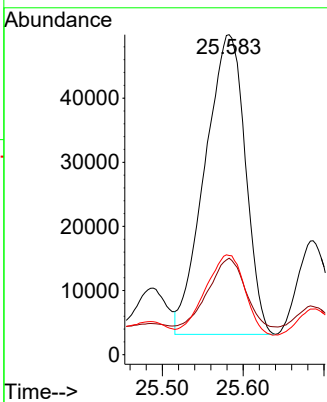
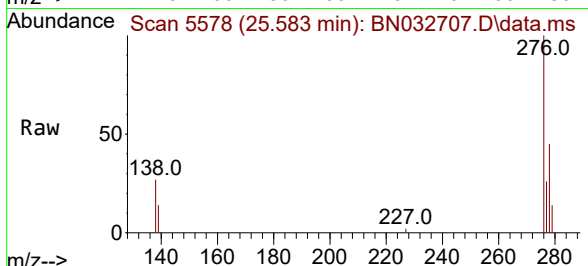


#28
 Dibenzo(a,h)anthracene
 Concen: 2.010 ng/ul
 RT: 25.583 min Scan# 51
 Delta R.T. -0.057 min
 Lab File: BN032707.D
 Acq: 13 Jul 2024 13:18

Instrument : BNA_N
 ClientSampleId : A4CZ2MSD

Tgt Ion:278 Resp: 162076

Ion	Ratio	Lower	Upper
278	100		
139	30.1	16.6	24.8#
279	31.0	23.7	35.5



#29
 Benzo(g,h,i)perylene
 Concen: 0.488 ng/ul
 RT: 26.263 min Scan# 5781
 Delta R.T. -0.037 min
 Lab File: BN032707.D
 Acq: 13 Jul 2024 13:18

Tgt Ion:276 Resp: 42440

Ion	Ratio	Lower	Upper
276	100		
138	39.5	21.0	31.4#
277	35.3	20.6	31.0#

