

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020625\
 Data File : BN036355.D
 Acq On : 07 Feb 2025 03:35
 Operator : RC/JU
 Sample : Q1229-06MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E2993MSD

Quant Time: Feb 07 08:04:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 14:44:03 2025
 Response via : Initial Calibration

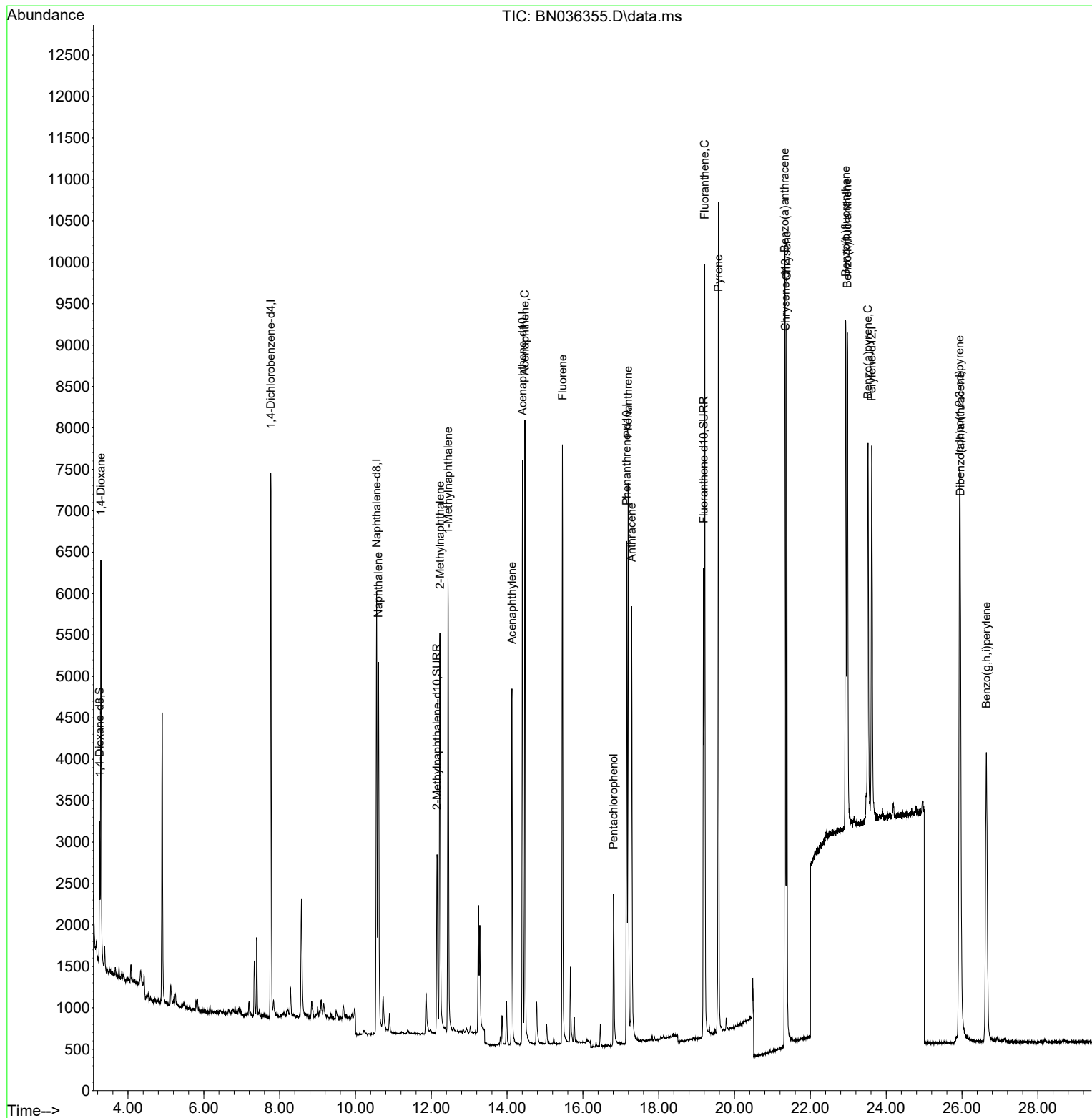
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	3267	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.557	136	7497	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.405	164	3963	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.155	188	7474	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.340	240	6111	0.400	ng/ul	#-0.02
23) Perylene-d12	23.619	264	6588	0.400	ng/ul	#-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	981	0.274	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.151	152	3198	0.338	ng/ul	-0.02
18) Fluoranthene-d10	19.185	212	6534	0.389	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.285	88	2871	0.752	ng/ul	93
5) Naphthalene	10.606	128	6331	0.307	ng/ul	100
7) 2-Methylnaphthalene	12.228	142	3885	0.303	ng/ul	99
8) 1-Methylnaphthalene	12.443	142	3954	0.304	ng/ul	99
10) Acenaphthylene	14.128	152	5255	0.281	ng/ul	99
11) Acenaphthene	14.470	153	4333	0.315	ng/ul	98
12) Fluorene	15.460	166	4701	0.310	ng/ul	99
14) Pentachlorophenol	16.809	266	1429	0.546	ng/ul	99
15) Phenanthrene	17.193	178	7440	0.340	ng/ul	99
16) Anthracene	17.286	178	6155	0.303	ng/ul	99
19) Fluoranthene	19.212	202	8257	0.356	ng/ul	97
20) Pyrene	19.575	202	8572	0.354	ng/ul#	94
21) Benzo(a)anthracene	21.322	228	7339	0.336	ng/ul	99
22) Chrysene	21.375	228	8089	0.363	ng/ul	99
24) Benzo(b)fluoranthene	22.932	252	8111	0.369	ng/ul	90
25) Benzo(k)fluoranthene	22.976	252	8200	0.355	ng/ul#	92
26) Benzo(a)pyrene	23.520	252	7029	0.354	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.934	276	9380	0.357	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.954	278	7268	0.359	ng/ul	94
29) Benzo(g,h,i)perylene	26.642	276	7711	0.378	ng/ul	96

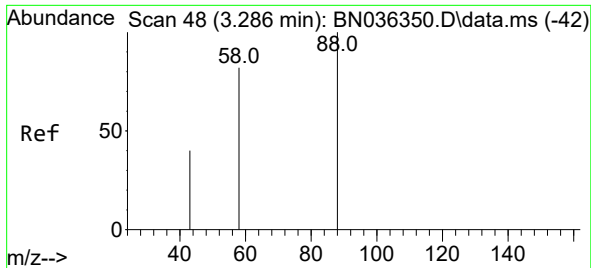
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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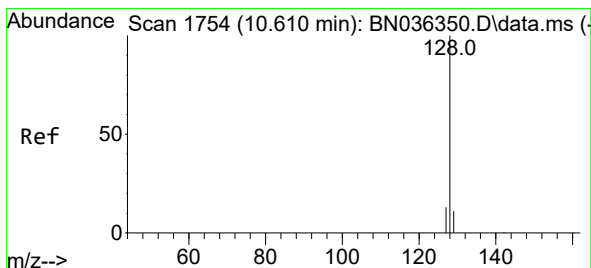
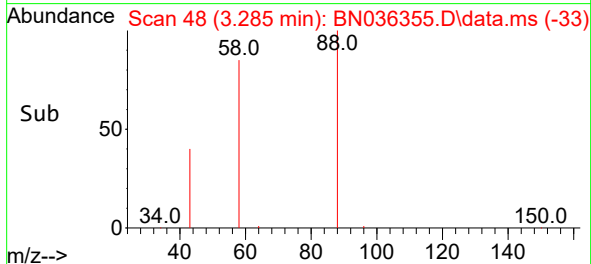
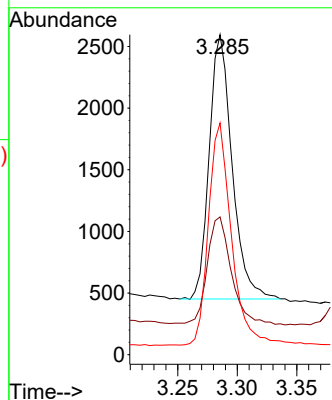
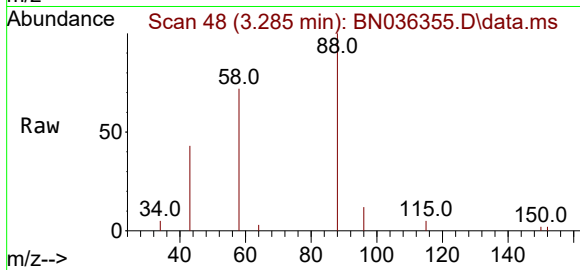




#2
 1,4-Dioxane
 Concen: 0.752 ng/ul
 RT: 3.285 min Scan# 48
 Delta R.T. -0.007 min
 Lab File: BN036355.D
 Acq: 07 Feb 2025 03:35

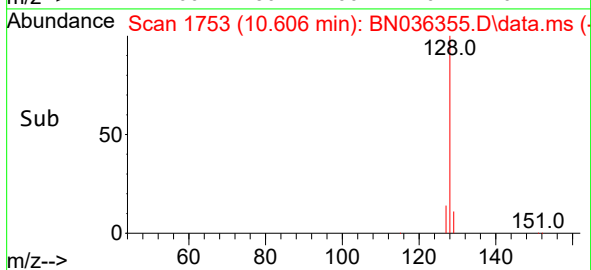
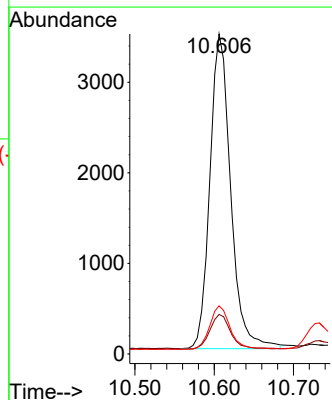
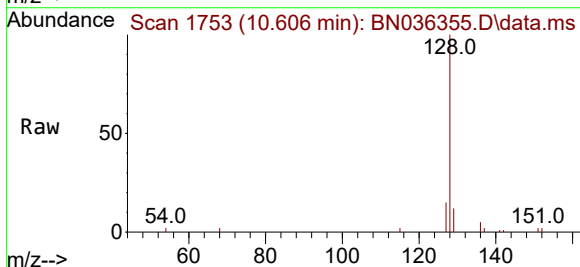
Instrument :
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 E2993MSD

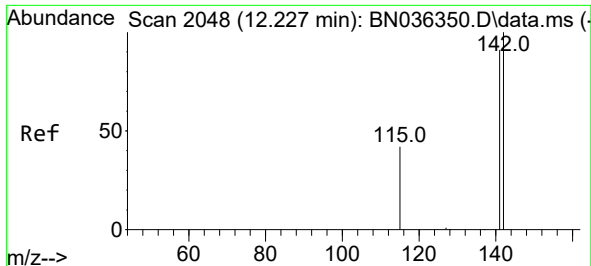
Tgt Ion: 88 Resp: 2871
 Ion Ratio Lower Upper
 88 100
 43 43.1 40.7 61.1
 58 72.4 55.2 82.8



#5
 Naphthalene
 Concen: 0.307 ng/ul
 RT: 10.606 min Scan# 1753
 Delta R.T. -0.021 min
 Lab File: BN036355.D
 Acq: 07 Feb 2025 03:35

Tgt Ion: 128 Resp: 6331
 Ion Ratio Lower Upper
 128 100
 129 12.4 9.6 14.4
 127 15.1 12.0 18.0

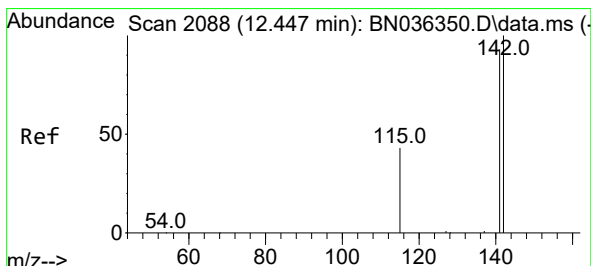
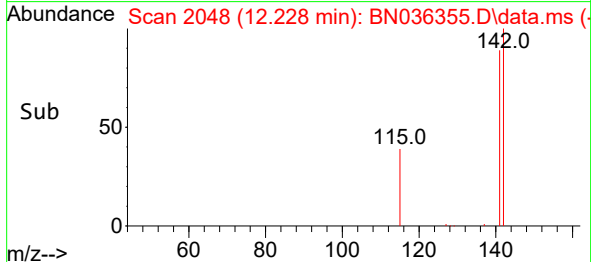
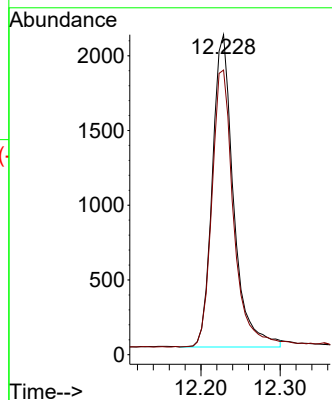
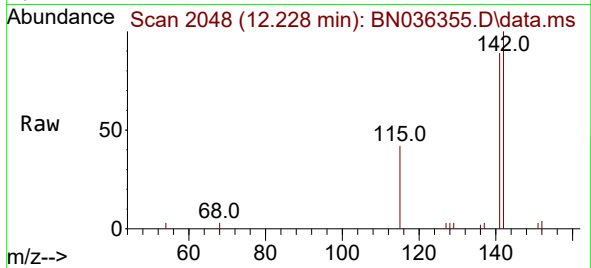




#7
2-Methylnaphthalene
Concen: 0.303 ng/ul
RT: 12.228 min Scan# 2048
Delta R.T. -0.016 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

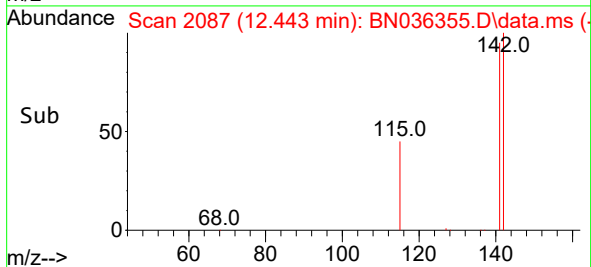
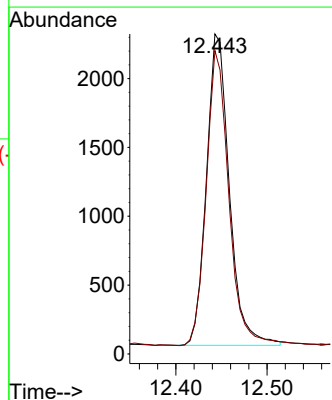
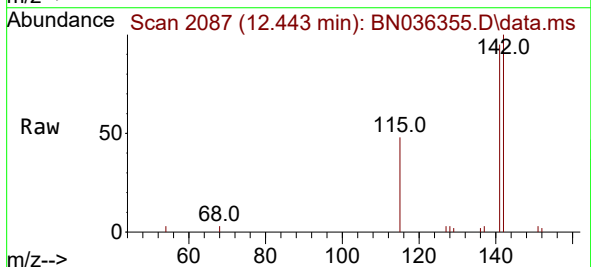
Instrument :
BNA_N
ClientSampleId :
E2993MSD

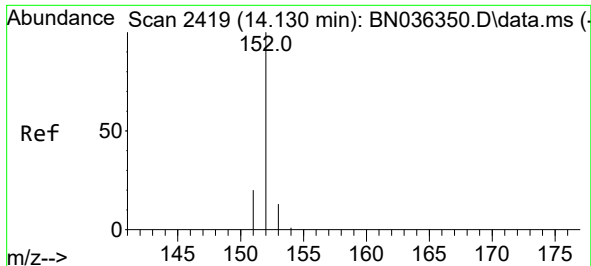
Tgt Ion:142 Resp: 3885
Ion Ratio Lower Upper
142 100
141 90.7 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.304 ng/ul
RT: 12.443 min Scan# 2087
Delta R.T. -0.021 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Tgt Ion:142 Resp: 3954
Ion Ratio Lower Upper
142 100
141 93.4 75.2 112.8

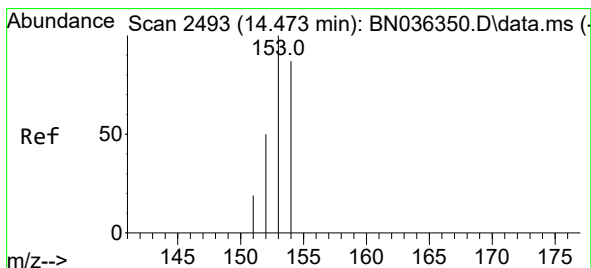
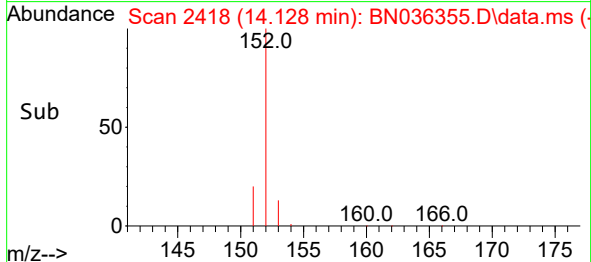
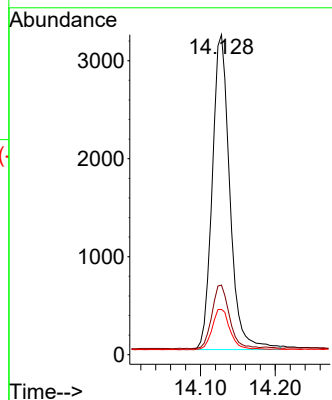
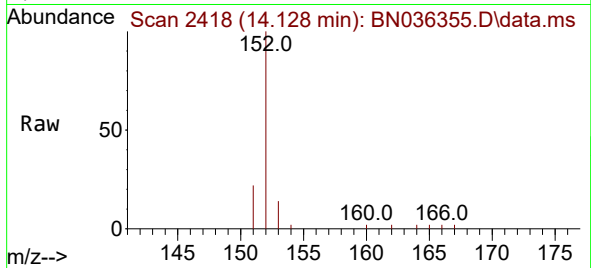




#10
Acenaphthylene
Concen: 0.281 ng/ul
RT: 14.128 min Scan# 2418
Delta R.T. -0.017 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

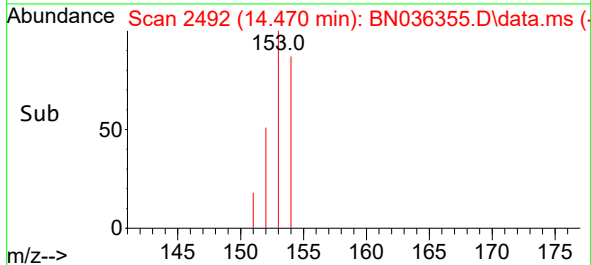
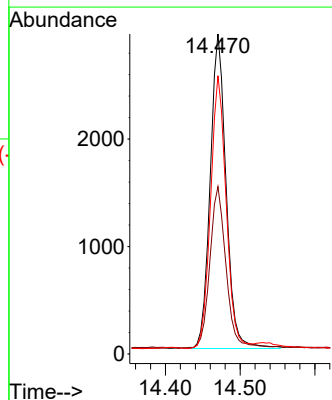
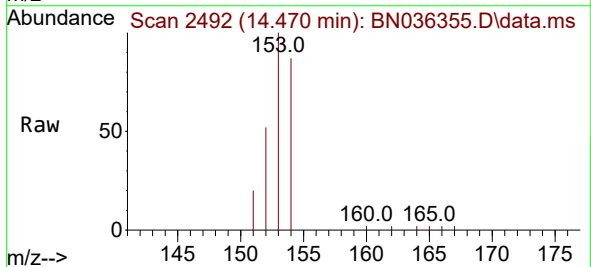
Instrument :
BNA_N
ClientSampleId :
E2993MSD

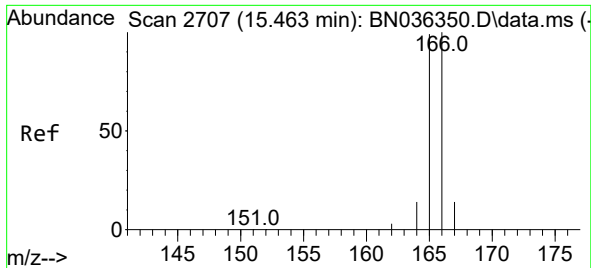
Tgt Ion:152 Resp: 5255
Ion Ratio Lower Upper
152 100
151 21.7 17.4 26.2
153 14.1 11.9 17.9



#11
Acenaphthene
Concen: 0.315 ng/ul
RT: 14.470 min Scan# 2492
Delta R.T. -0.021 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Tgt Ion:153 Resp: 4333
Ion Ratio Lower Upper
153 100
152 52.3 43.2 64.8
154 86.9 70.5 105.7

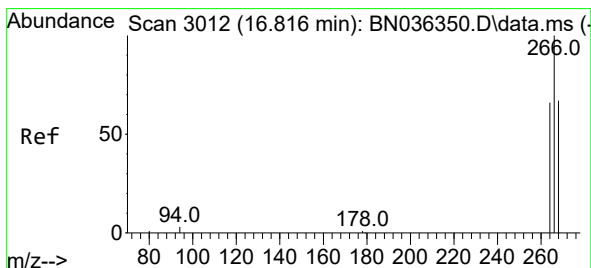
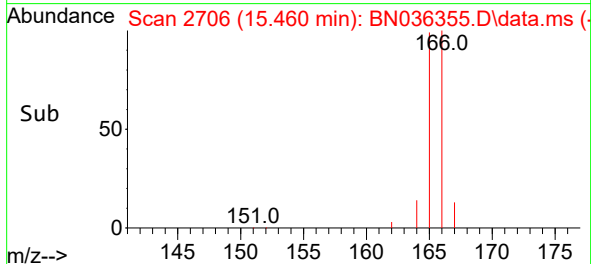
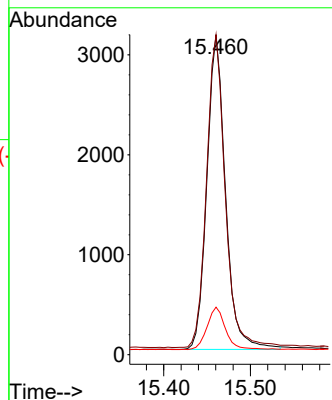
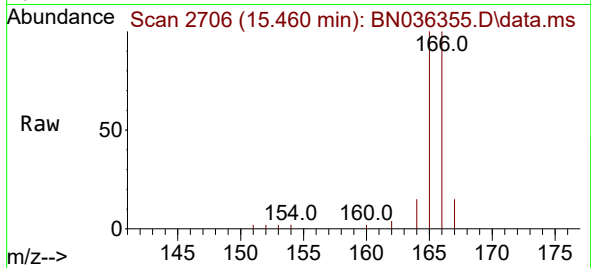




#12
 Fluorene
 Concen: 0.310 ng/ul
 RT: 15.460 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BN036355.D
 Acq: 07 Feb 2025 03:35

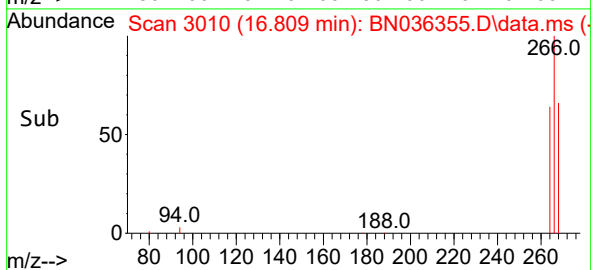
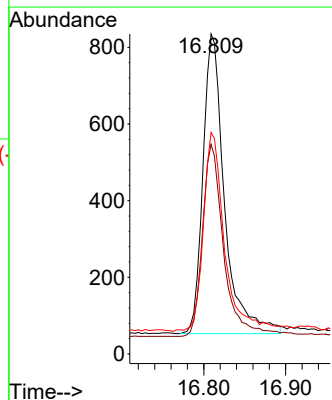
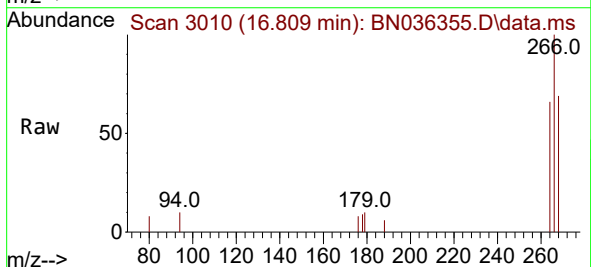
Instrument :
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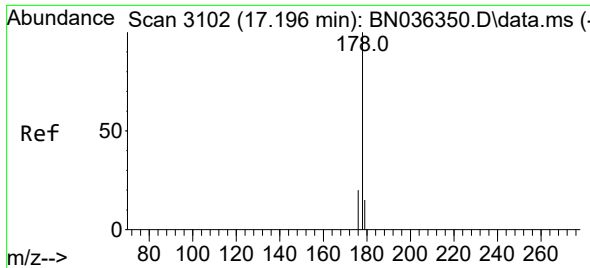
Tgt Ion:166 Resp: 4701
 Ion Ratio Lower Upper
 166 100
 165 100.0 80.3 120.5
 167 14.9 12.3 18.5



#14
 Pentachlorophenol
 Concen: 0.546 ng/ul
 RT: 16.809 min Scan# 3010
 Delta R.T. -0.019 min
 Lab File: BN036355.D
 Acq: 07 Feb 2025 03:35

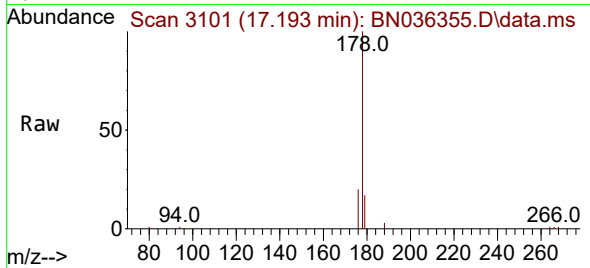
Tgt Ion:266 Resp: 1429
 Ion Ratio Lower Upper
 266 100
 264 62.8 50.6 75.8
 268 65.1 50.6 75.8



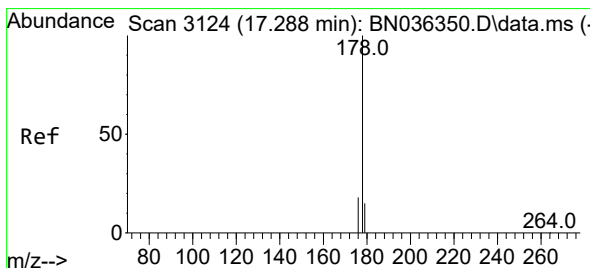
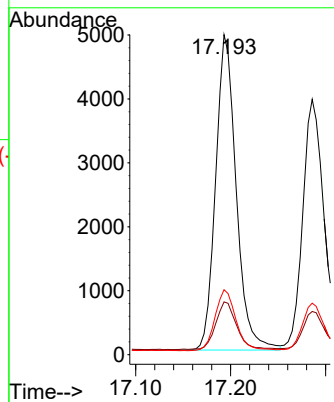


#15
Phenanthrene
Concen: 0.340 ng/ul
RT: 17.193 min Scan# 3101
Delta R.T. -0.019 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Instrument :
BNA_N
ClientSampleId :
E2993MSD

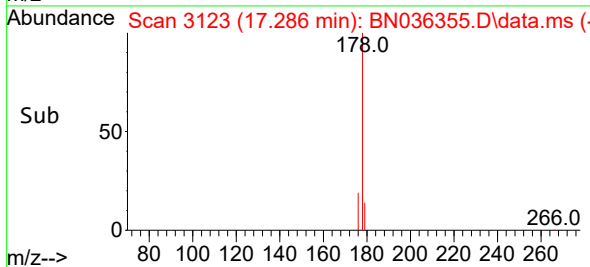
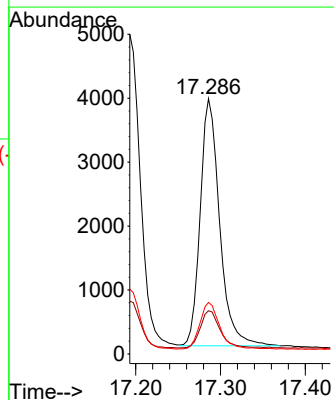
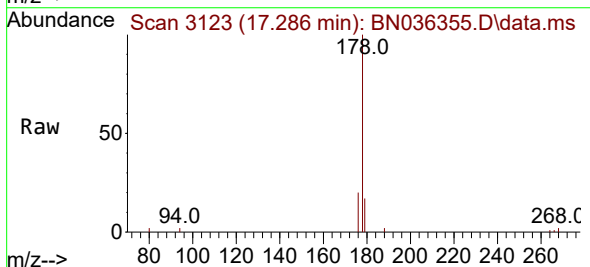


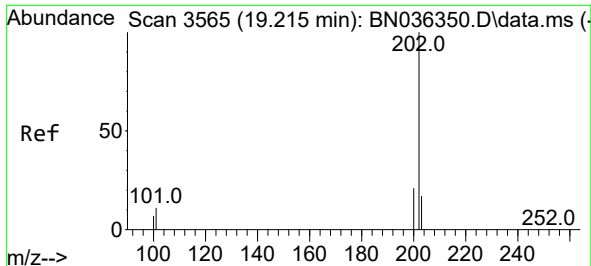
Tgt Ion:178 Resp: 7440
Ion Ratio Lower Upper
178 100
179 16.5 13.2 19.8
176 20.3 16.8 25.2



#16
Anthracene
Concen: 0.303 ng/ul
RT: 17.286 min Scan# 3123
Delta R.T. -0.019 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Tgt Ion:178 Resp: 6155
Ion Ratio Lower Upper
178 100
179 16.9 13.0 19.4
176 20.2 15.9 23.9

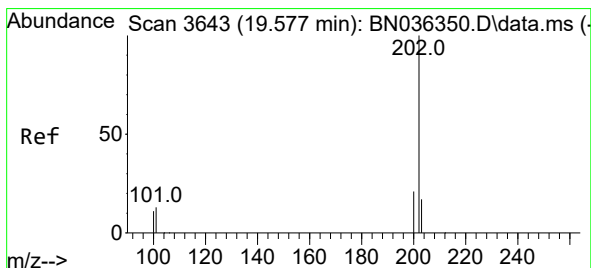
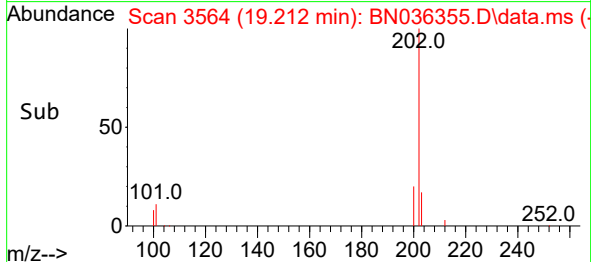
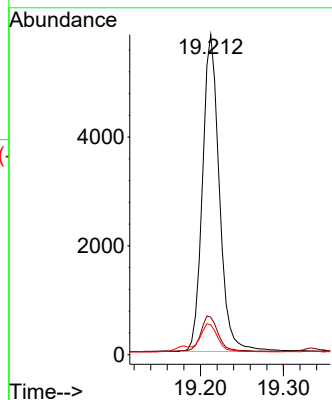
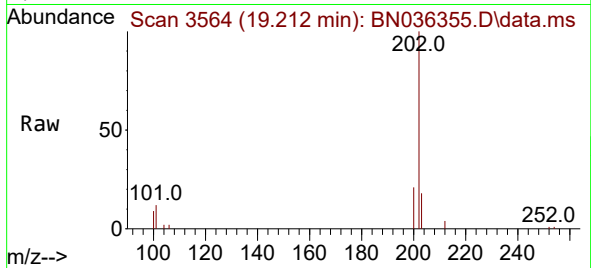




#19
Fluoranthene
Concen: 0.356 ng/ul
RT: 19.212 min Scan# 3564
Delta R.T. -0.021 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

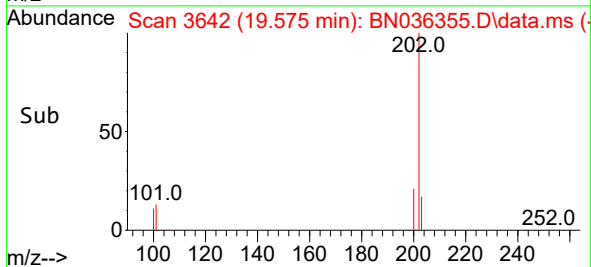
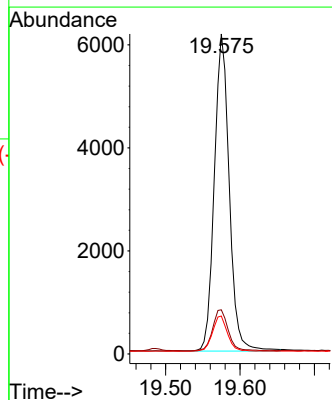
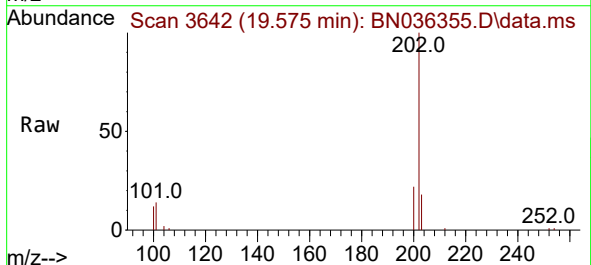
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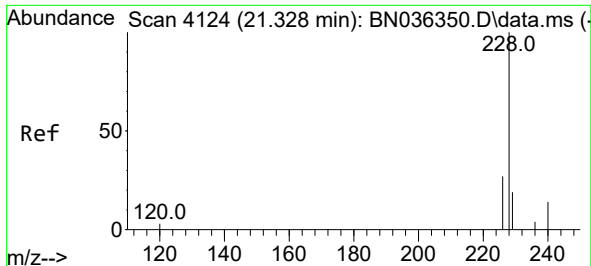
Tgt Ion:202 Resp: 8257
Ion Ratio Lower Upper
202 100
101 11.7 8.4 12.6
100 9.3 6.5 9.7



#20
Pyrene
Concen: 0.354 ng/ul
RT: 19.575 min Scan# 3642
Delta R.T. -0.021 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

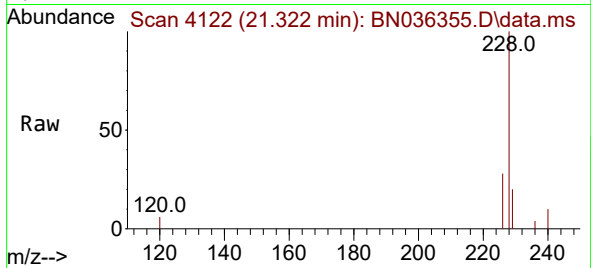
Tgt Ion:202 Resp: 8572
Ion Ratio Lower Upper
202 100
101 13.8 9.3 13.9
100 11.8 7.5 11.3#



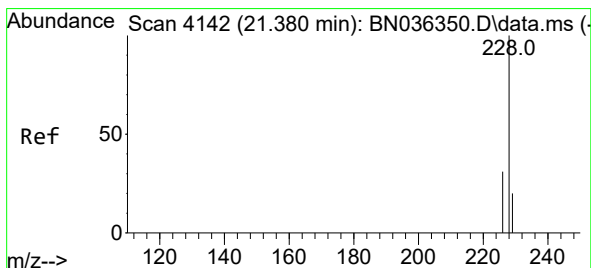
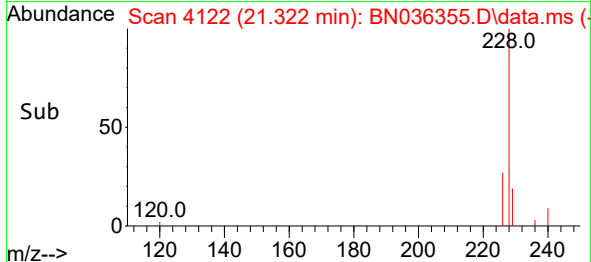
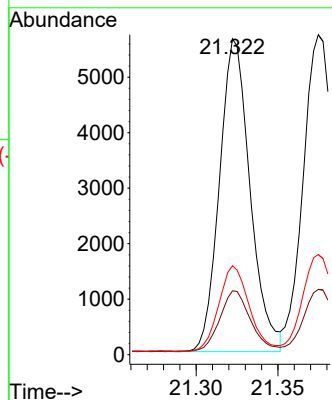


#21
Benzo(a)anthracene
Concen: 0.336 ng/ul
RT: 21.322 min Scan# 411
Delta R.T. -0.023 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Instrument :
BNA_N
ClientSampleId :
E2993MSD

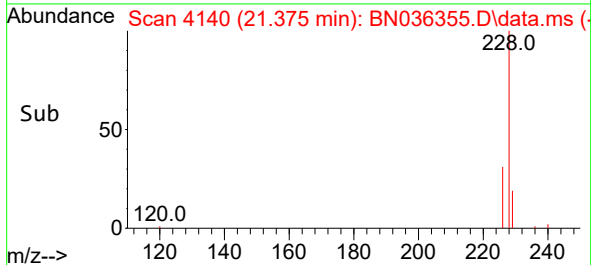
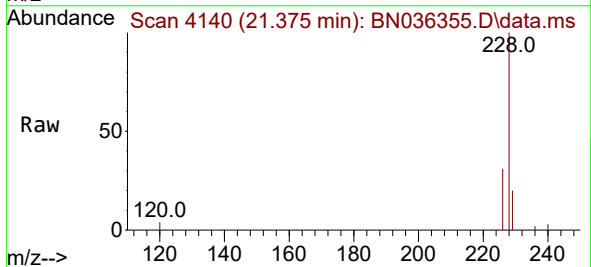
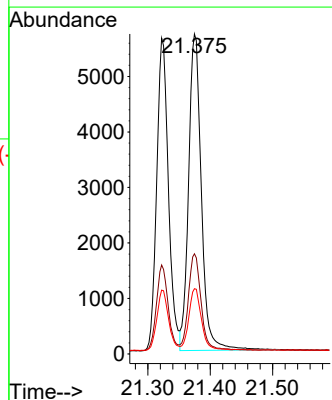


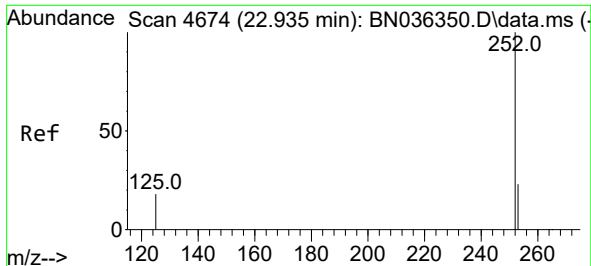
Tgt Ion:228 Resp: 7339
Ion Ratio Lower Upper
228 100
229 20.2 15.9 23.9
226 28.2 22.8 34.2



#22
Chrysene
Concen: 0.363 ng/ul
RT: 21.375 min Scan# 4140
Delta R.T. -0.023 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Tgt Ion:228 Resp: 8089
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 20.4 15.9 23.9

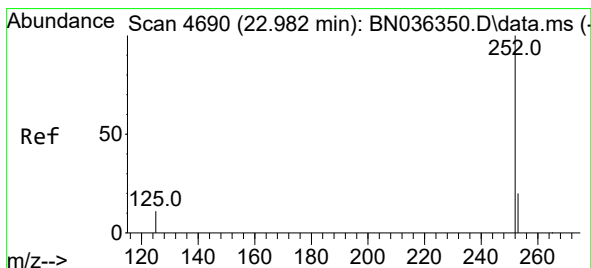
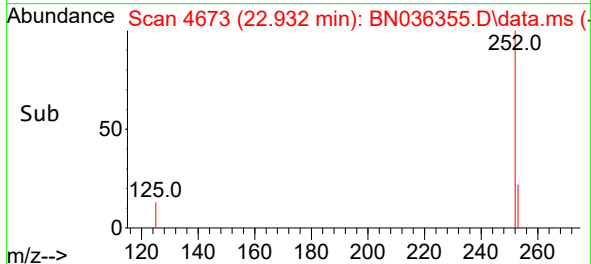
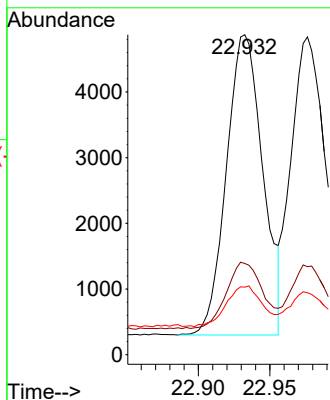
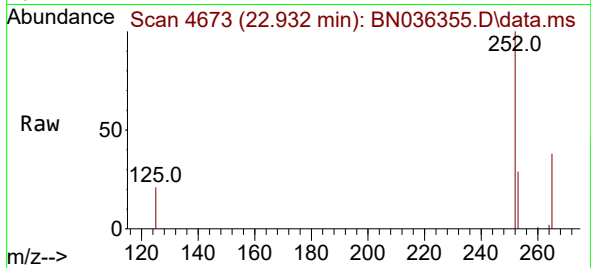




#24
Benzo(b)fluoranthene
Concen: 0.369 ng/ul
RT: 22.932 min Scan# 4673
Delta R.T. -0.029 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

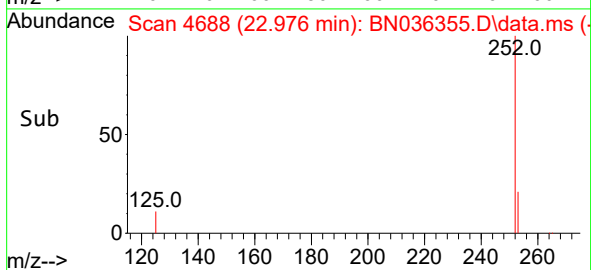
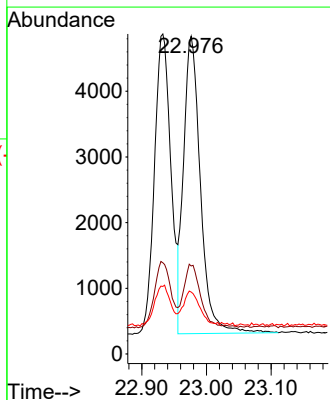
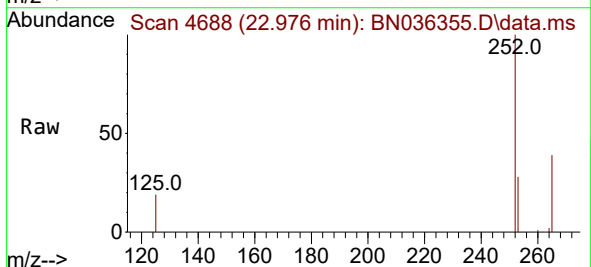
Instrument :
BNA_N
ClientSampleId :
E2993MSD

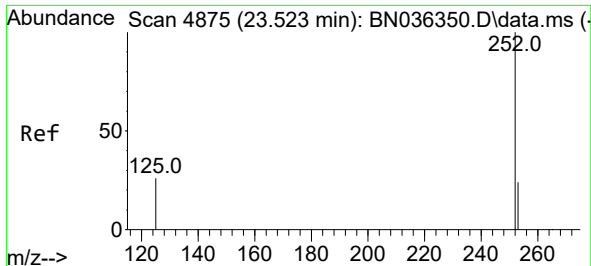
Tgt Ion:252 Resp: 8111
Ion Ratio Lower Upper
252 100
253 28.5 0.0 51.2
125 21.1 0.0 27.8



#25
Benzo(k)fluoranthene
Concen: 0.355 ng/ul
RT: 22.976 min Scan# 4688
Delta R.T. -0.032 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Tgt Ion:252 Resp: 8200
Ion Ratio Lower Upper
252 100
253 27.7 20.2 30.4
125 19.5 10.6 16.0#

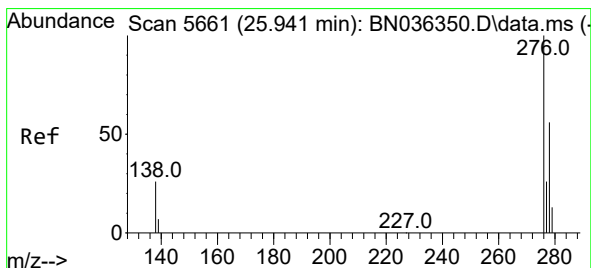
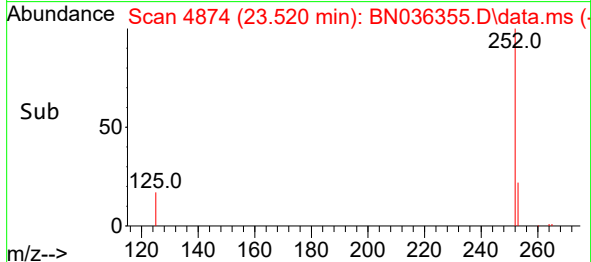
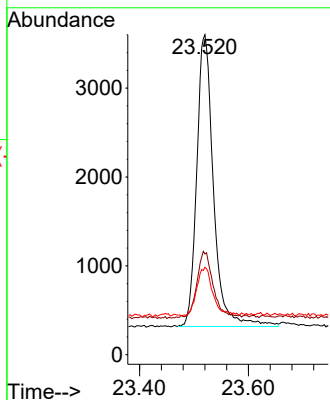
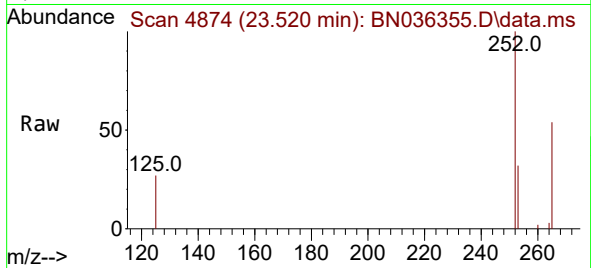




#26
Benzo(a)pyrene
Concen: 0.354 ng/ul
RT: 23.520 min Scan# 4875
Delta R.T. -0.035 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

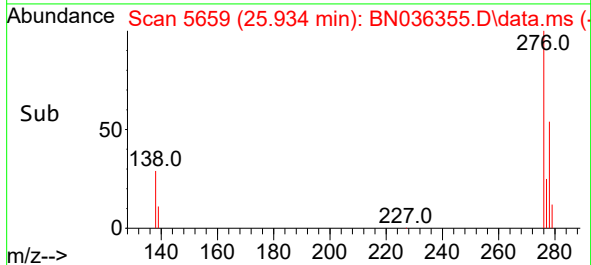
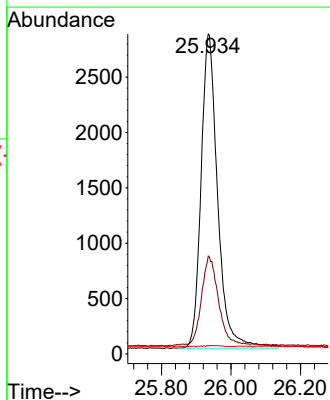
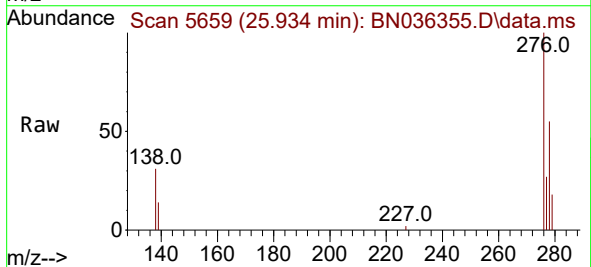
Instrument :
BNA_N
ClientSampleId :
E2993MSD

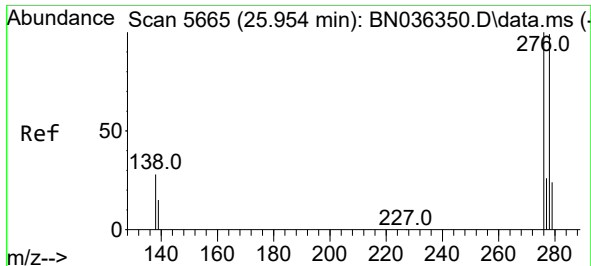
Tgt Ion:252 Resp: 7029
Ion Ratio Lower Upper
252 100
253 31.5 22.2 33.4
125 27.3 13.1 19.7#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.357 ng/ul
RT: 25.934 min Scan# 5659
Delta R.T. -0.054 min
Lab File: BN036355.D
Acq: 07 Feb 2025 03:35

Tgt Ion:276 Resp: 9380
Ion Ratio Lower Upper
276 100
138 28.9 20.2 30.4
227 0.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.359 ng/ul

RT: 25.954 min Scan# 5665

Delta R.T. -0.044 min

Lab File: BN036355.D

Acq: 07 Feb 2025 03:35

Instrument :

BNA_N

ClientSampleId :

E2993MSD

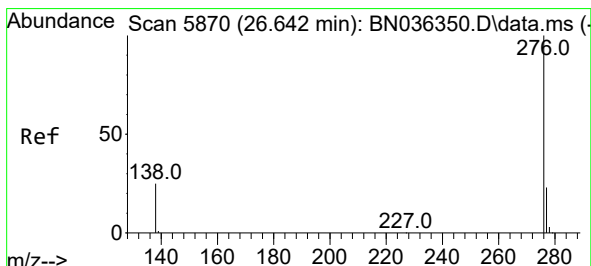
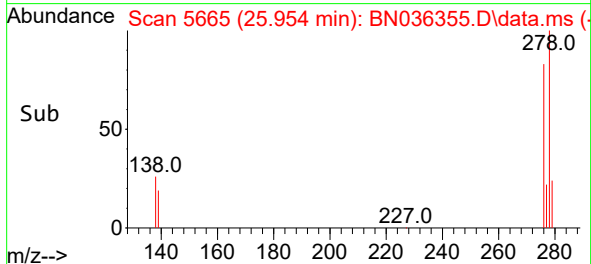
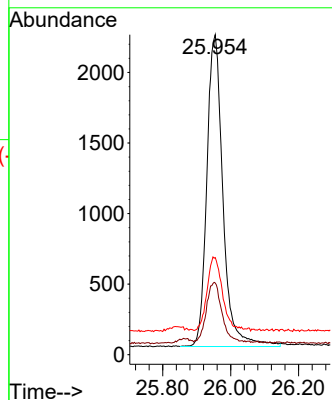
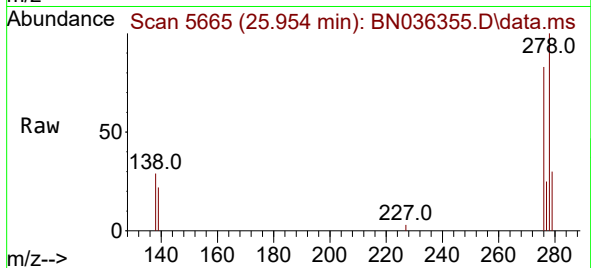
Tgt Ion:278 Resp: 7268

Ion Ratio Lower Upper

278 100

139 22.4 15.4 23.2

279 30.3 22.2 33.4



#29

Benzo(g,h,i)perylene

Concen: 0.378 ng/ul

RT: 26.642 min Scan# 5870

Delta R.T. -0.060 min

Lab File: BN036355.D

Acq: 07 Feb 2025 03:35

Tgt Ion:276 Resp: 7711

Ion Ratio Lower Upper

276 100

138 27.2 19.4 29.0

277 24.9 21.1 31.7

