

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020625\
 Data File : BN036356.D
 Acq On : 07 Feb 2025 04:11
 Operator : RC/JU
 Sample : PB166538BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS538

Quant Time: Feb 07 08:05:00 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)

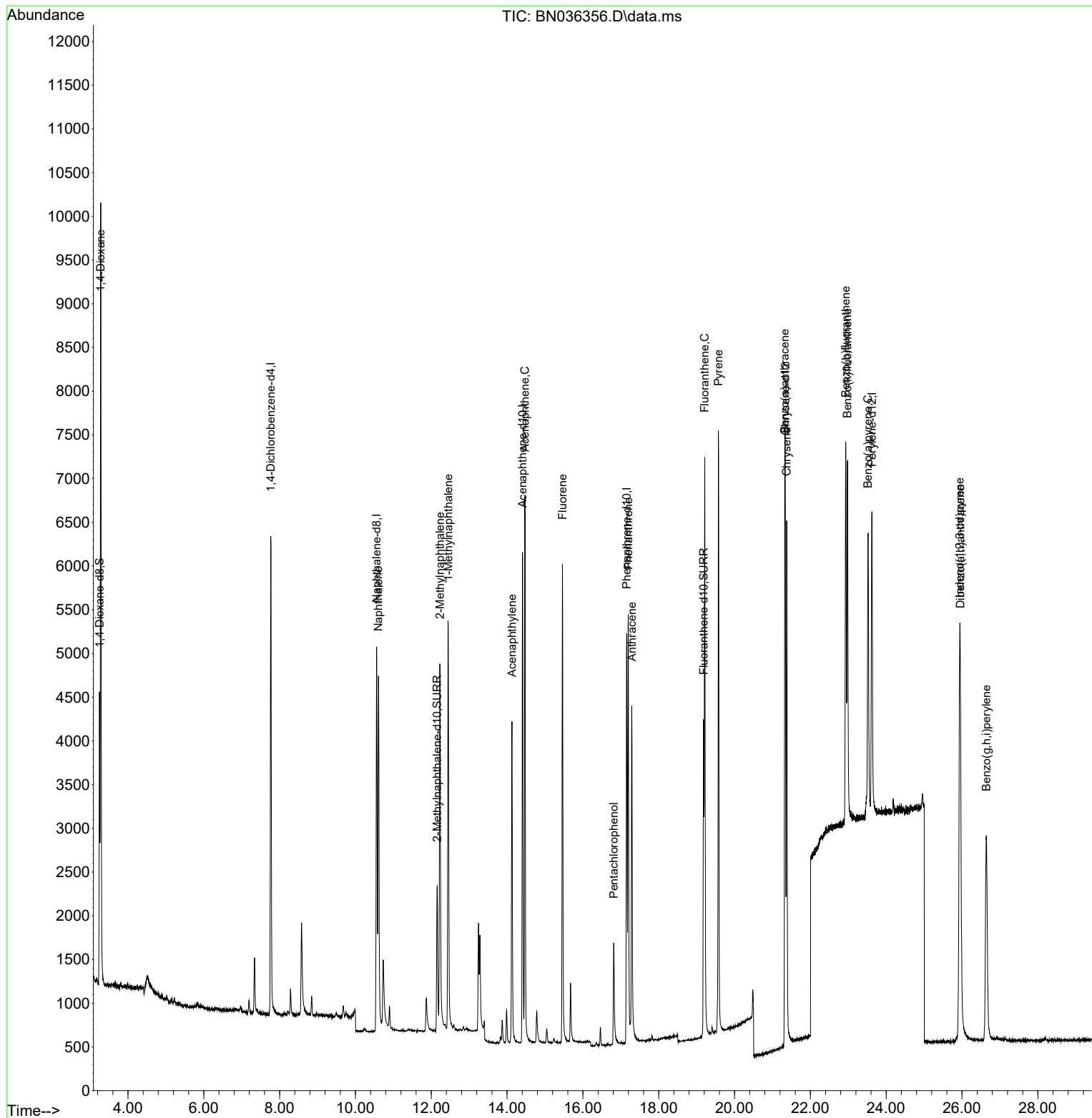
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	2889	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.557	136	6497	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.406	164	3290	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.155	188	6013	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.340	240	4815	0.400	ng/ul	#-0.02
23) Perylene-d12	23.622	264	5120	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.248	96	1976	0.625	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.157	152	2597	0.317	ng/ul	-0.01
18) Fluoranthene-d10	19.185	212	4323	0.327	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.281	88	5529	1.637	ng/ul	87
5) Naphthalene	10.606	128	5965	0.333	ng/ul	100
7) 2-Methylnaphthalene	12.229	142	3522	0.317	ng/ul	98
8) 1-Methylnaphthalene	12.448	142	3627	0.321	ng/ul	99
10) Acenaphthylene	14.128	152	4589	0.296	ng/ul	99
11) Acenaphthene	14.470	153	3681	0.323	ng/ul	98
12) Fluorene	15.460	166	3767	0.299	ng/ul	99
14) Pentachlorophenol	16.813	266	1023	0.486	ng/ul	99
15) Phenanthrene	17.197	178	5632	0.320	ng/ul	100
16) Anthracene	17.290	178	4770	0.291	ng/ul	97
19) Fluoranthene	19.212	202	6008	0.328	ng/ul#	95
20) Pyrene	19.575	202	6180	0.324	ng/ul#	91
21) Benzo(a)anthracene	21.325	228	5259	0.306	ng/ul	99
22) Chrysene	21.375	228	5895	0.336	ng/ul	99
24) Benzo(b)fluoranthene	22.932	252	5704	0.334	ng/ul	83
25) Benzo(k)fluoranthene	22.976	252	6075	0.338	ng/ul#	85
26) Benzo(a)pyrene	23.520	252	5281	0.342	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.938	276	6734	0.330	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.954	278	5124	0.326	ng/ul#	90
29) Benzo(g,h,i)perylene	26.642	276	5520	0.348	ng/ul	94

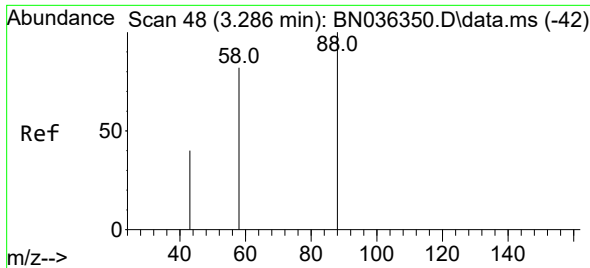
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 14:44:03 2025
Response via : Initial Calibration

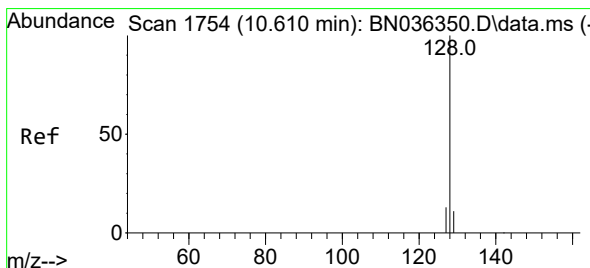
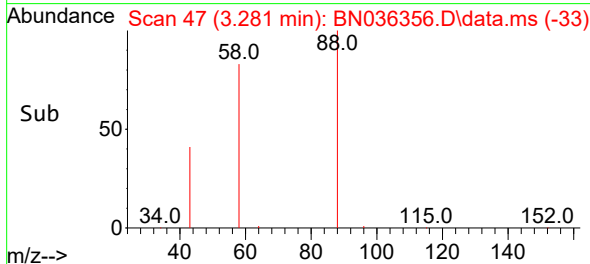
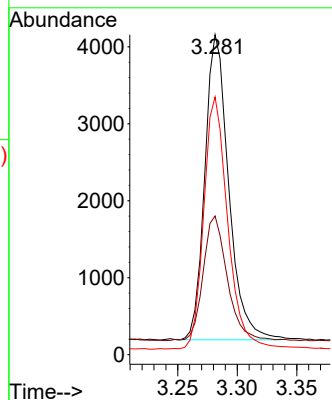
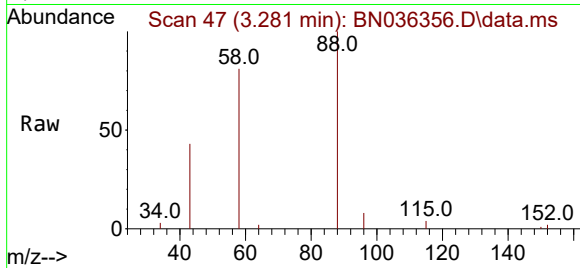




#2
 1,4-Dioxane
 Concen: 1.637 ng/ul
 RT: 3.281 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BN036356.D
 Acq: 07 Feb 2025 04:11

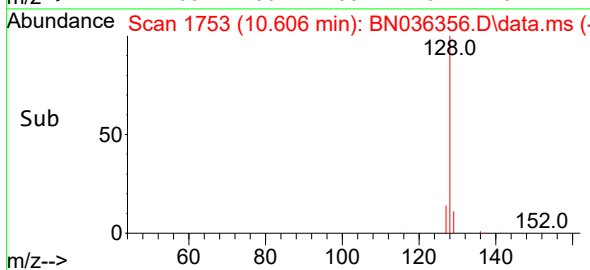
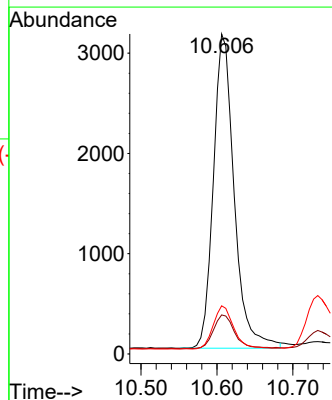
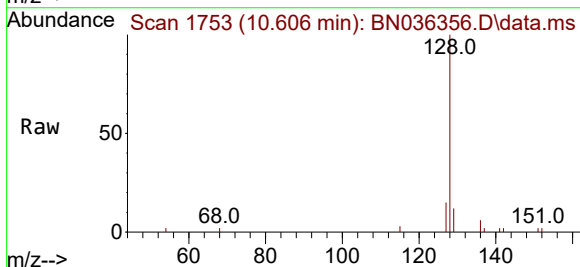
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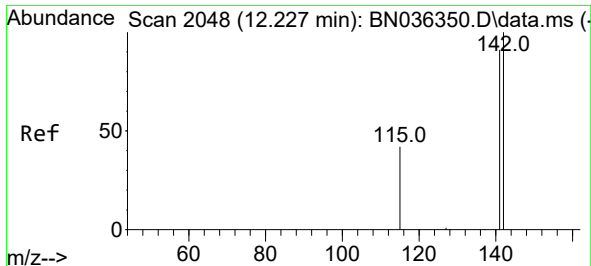
Tgt Ion: 88 Resp: 5529
 Ion Ratio Lower Upper
 88 100
 43 43.4 40.7 61.1
 58 80.6 55.2 82.8



#5
 Naphthalene
 Concen: 0.333 ng/ul
 RT: 10.606 min Scan# 1753
 Delta R.T. -0.021 min
 Lab File: BN036356.D
 Acq: 07 Feb 2025 04:11

Tgt Ion: 128 Resp: 5965
 Ion Ratio Lower Upper
 128 100
 129 12.2 9.6 14.4
 127 15.1 12.0 18.0

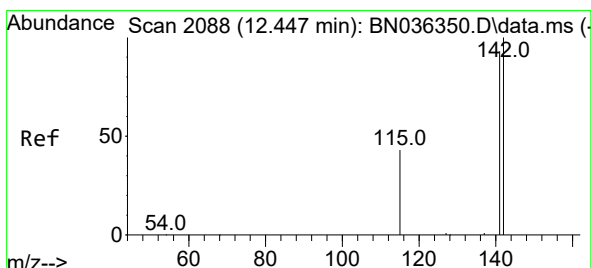
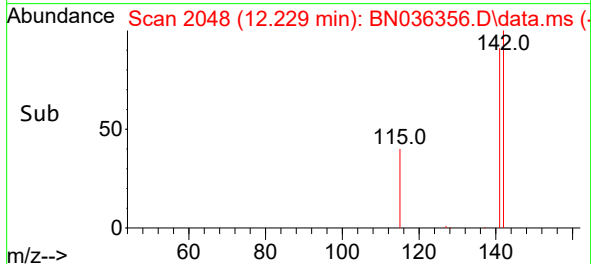
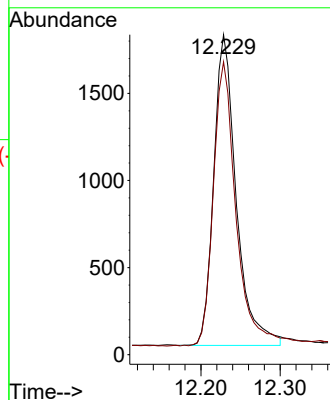
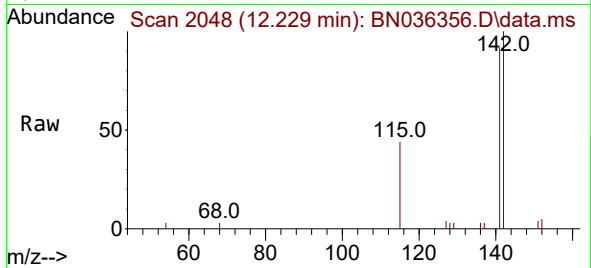




#7
2-Methylnaphthalene
Concen: 0.317 ng/ul
RT: 12.229 min Scan# 2048
Delta R.T. -0.016 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

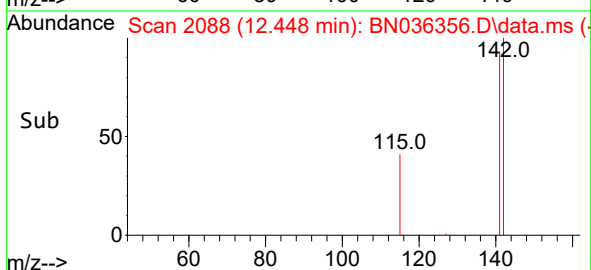
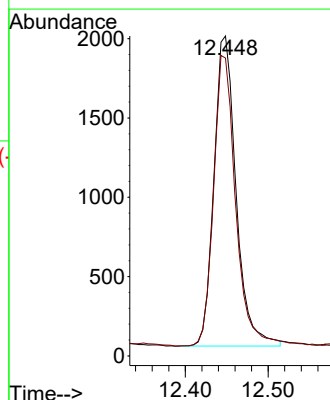
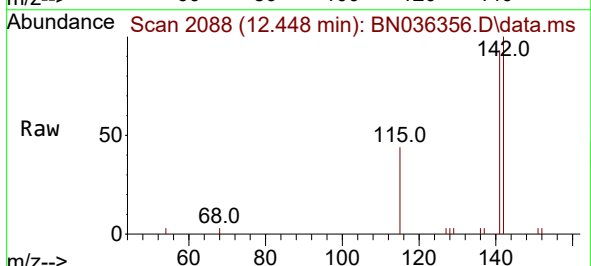
Instrument :
BNA_N
ClientSampleId :
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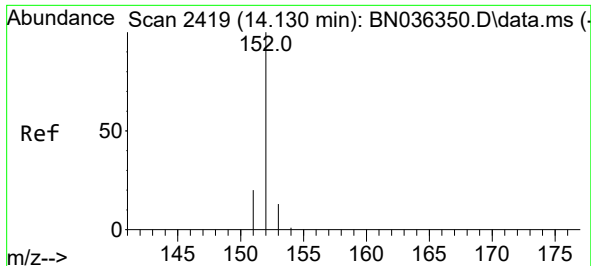
Tgt Ion:142 Resp: 3522
Ion Ratio Lower Upper
142 100
141 91.5 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.321 ng/ul
RT: 12.448 min Scan# 2088
Delta R.T. -0.016 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:142 Resp: 3627
Ion Ratio Lower Upper
142 100
141 92.9 75.2 112.8

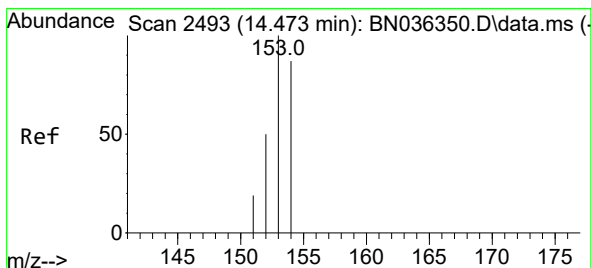
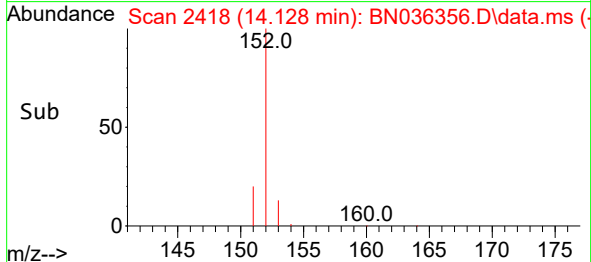
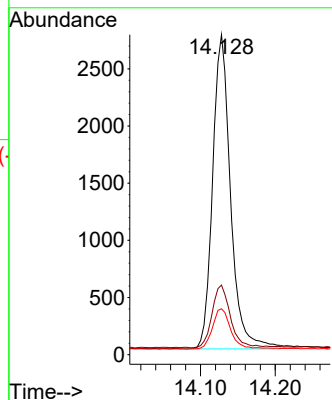
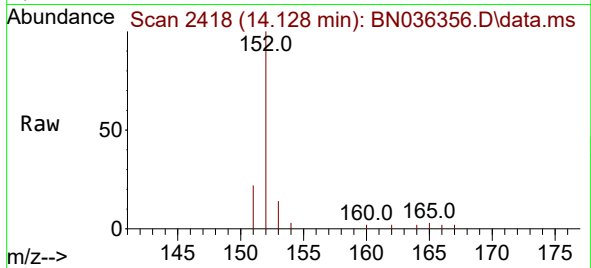




#10
Acenaphthylene
Concen: 0.296 ng/ul
RT: 14.128 min Scan# 2418
Delta R.T. -0.017 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

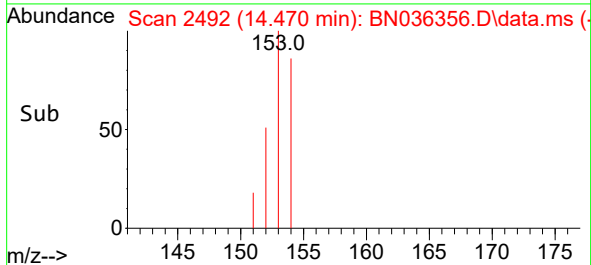
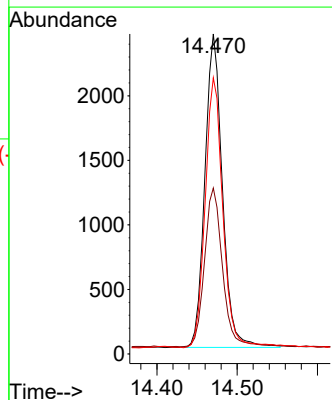
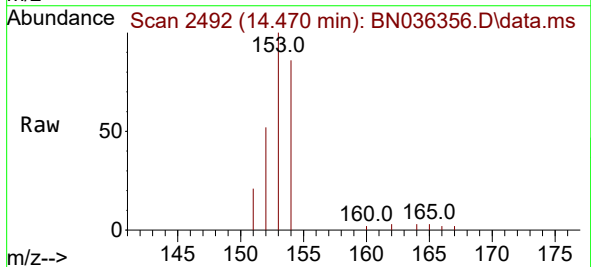
Instrument :
BNA_N
ClientSampleId :
SLCS538

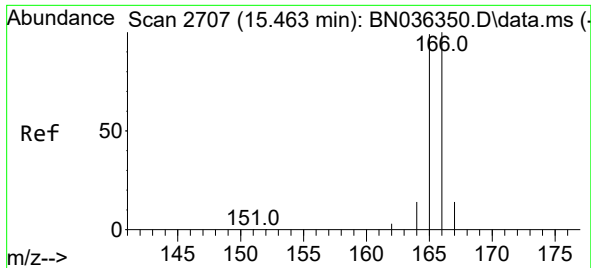
Tgt Ion:152 Resp: 4589
Ion Ratio Lower Upper
152 100
151 21.8 17.4 26.2
153 14.4 11.9 17.9



#11
Acenaphthene
Concen: 0.323 ng/ul
RT: 14.470 min Scan# 2492
Delta R.T. -0.021 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:153 Resp: 3681
Ion Ratio Lower Upper
153 100
152 51.8 43.2 64.8
154 86.3 70.5 105.7

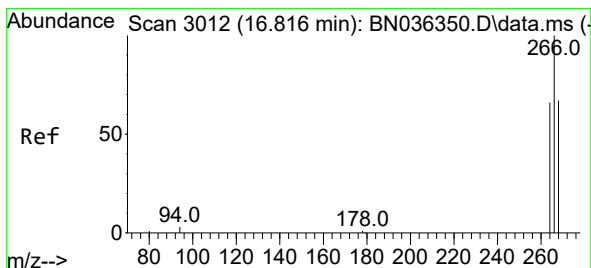
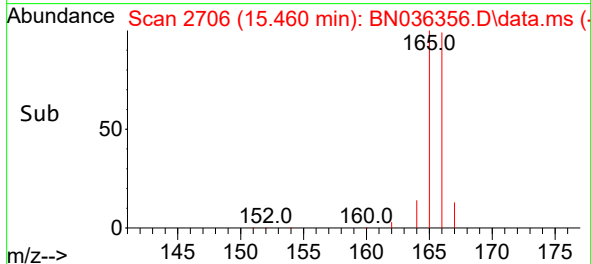
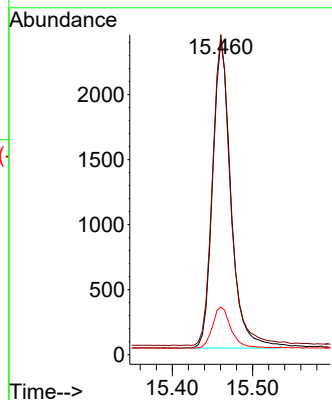
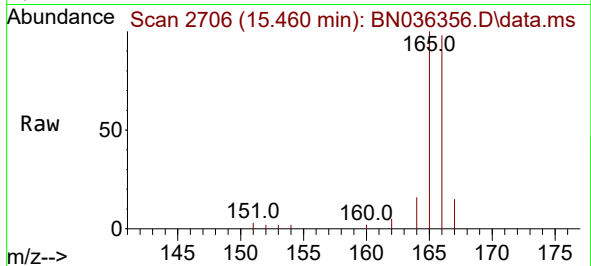




#12
Fluorene
Concen: 0.299 ng/ul
RT: 15.460 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

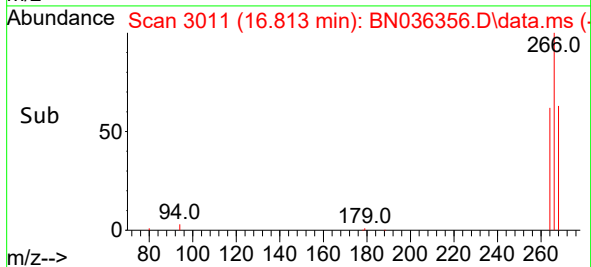
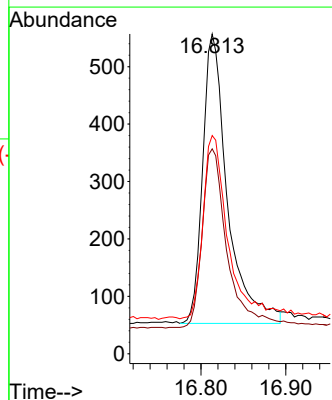
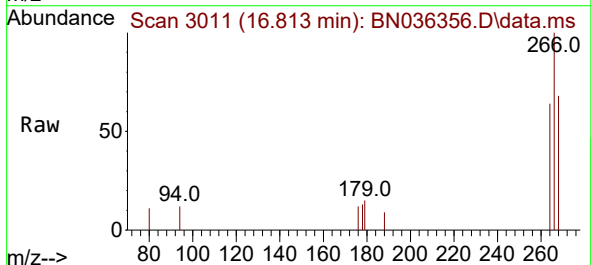
Instrument :
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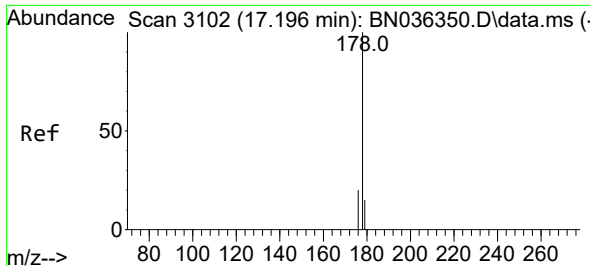
Tgt Ion:166 Resp: 3767
Ion Ratio Lower Upper
166 100
165 101.8 80.3 120.5
167 15.1 12.3 18.5



#14
Pentachlorophenol
Concen: 0.486 ng/ul
RT: 16.813 min Scan# 3011
Delta R.T. -0.015 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:266 Resp: 1023
Ion Ratio Lower Upper
266 100
264 62.5 50.6 75.8
268 63.9 50.6 75.8

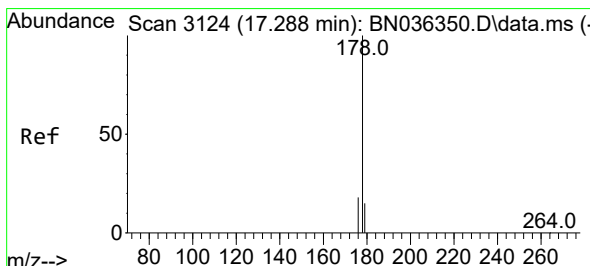
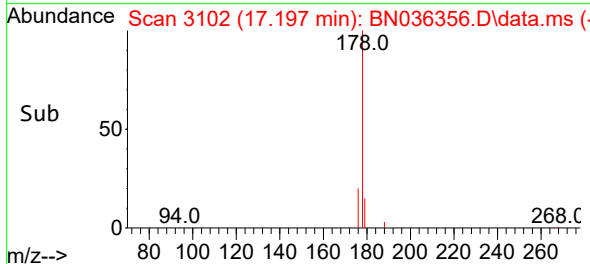
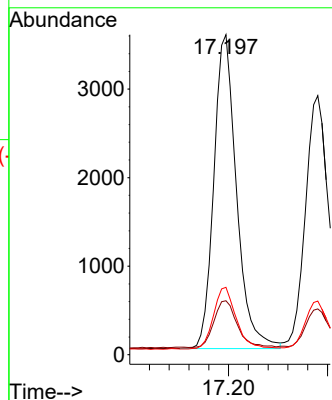
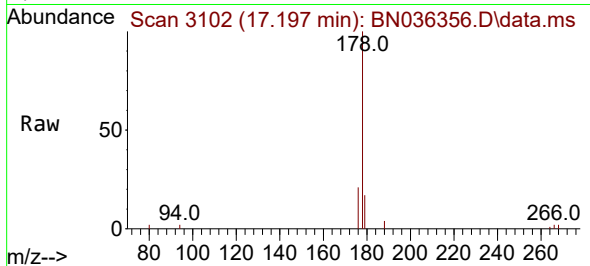




#15
Phenanthrene
Concen: 0.320 ng/ul
RT: 17.197 min Scan# 3102
Delta R.T. -0.015 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

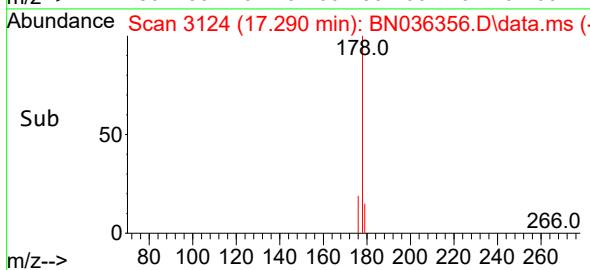
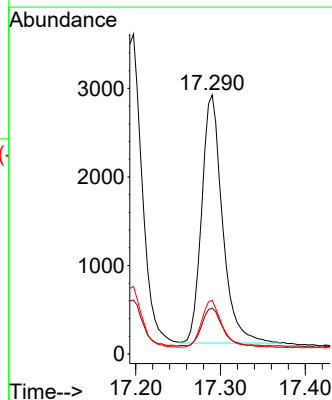
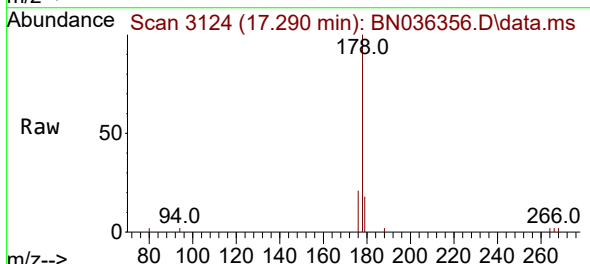
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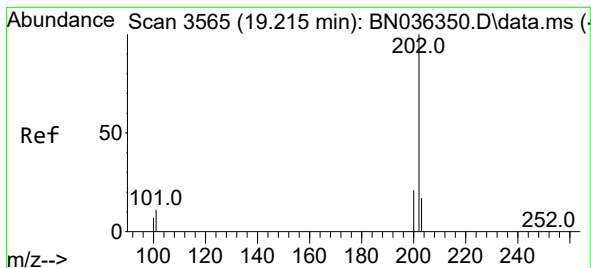
Tgt Ion:178 Resp: 5632
Ion Ratio Lower Upper
178 100
179 16.9 13.2 19.8
176 21.1 16.8 25.2



#16
Anthracene
Concen: 0.291 ng/ul
RT: 17.290 min Scan# 3124
Delta R.T. -0.015 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:178 Resp: 4770
Ion Ratio Lower Upper
178 100
179 17.7 13.0 19.4
176 20.7 15.9 23.9





#19

Fluoranthene

Concen: 0.328 ng/ul

RT: 19.212 min Scan# 3565

Delta R.T. -0.021 min

Lab File: BN036356.D

Acq: 07 Feb 2025 04:11

Instrument :

BNA_N

ClientSampleId :

SLCS538

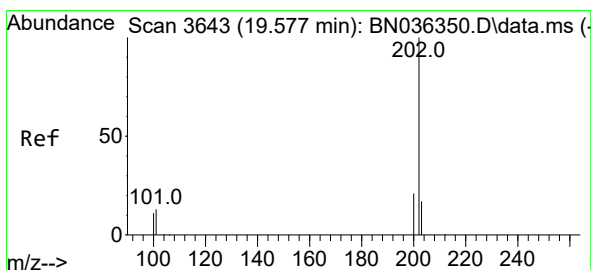
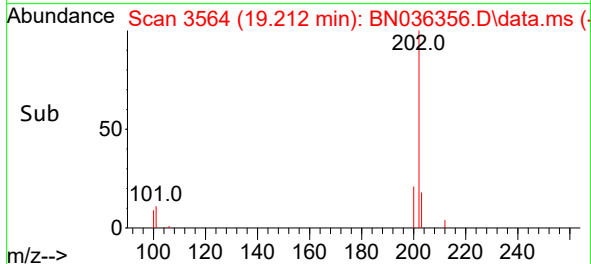
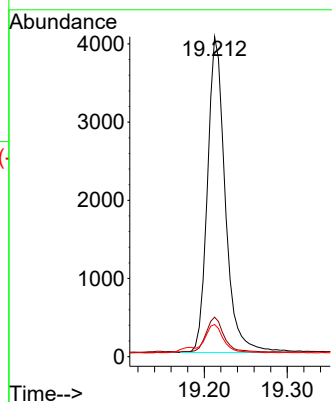
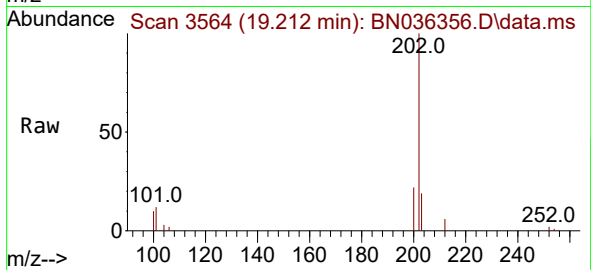
Tgt Ion:202 Resp: 6008

Ion Ratio Lower Upper

202 100

101 12.3 8.4 12.6

100 10.0 6.5 9.7#



#20

Pyrene

Concen: 0.324 ng/ul

RT: 19.575 min Scan# 3642

Delta R.T. -0.021 min

Lab File: BN036356.D

Acq: 07 Feb 2025 04:11

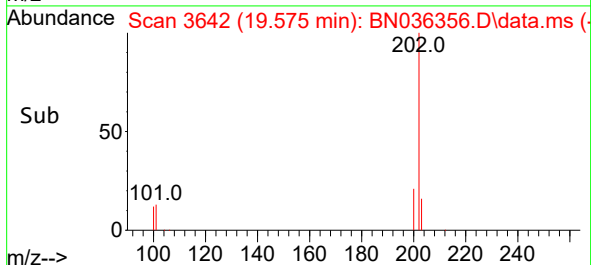
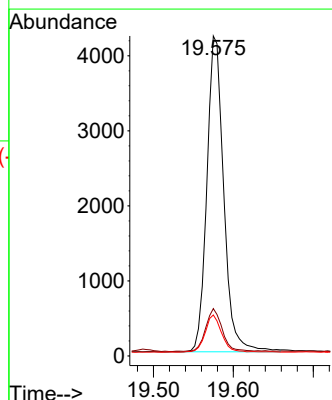
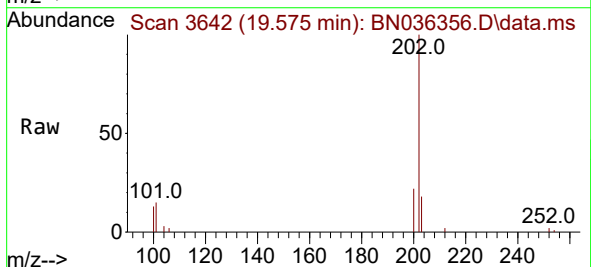
Tgt Ion:202 Resp: 6180

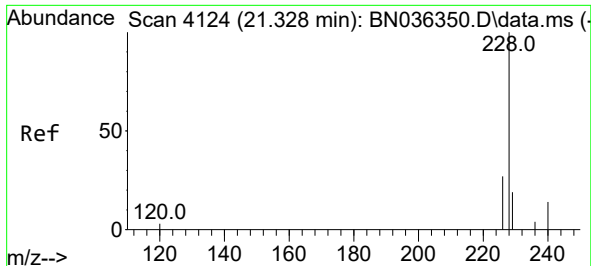
Ion Ratio Lower Upper

202 100

101 14.8 9.3 13.9#

100 12.8 7.5 11.3#

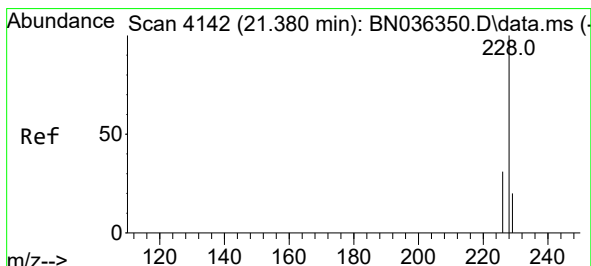
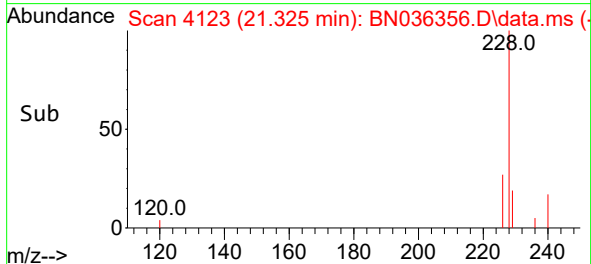
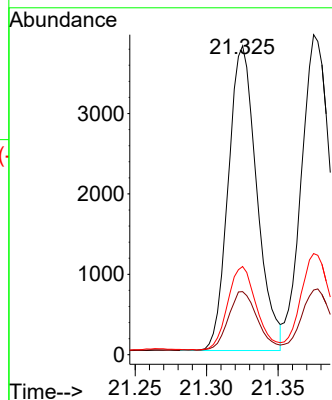
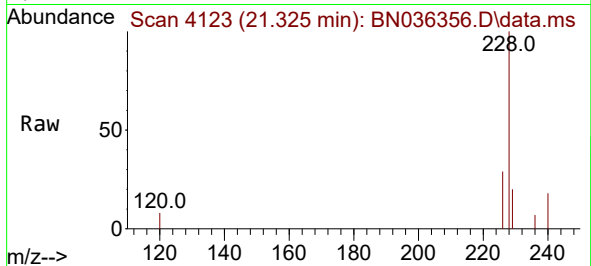




#21
Benzo(a)anthracene
Concen: 0.306 ng/ul
RT: 21.325 min Scan# 411
Delta R.T. -0.020 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

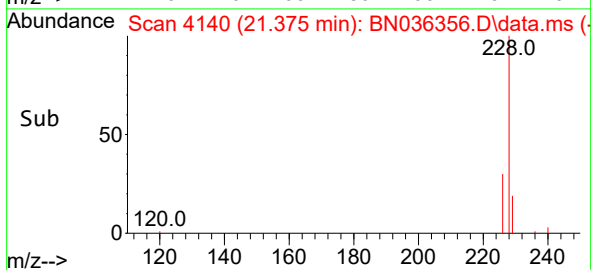
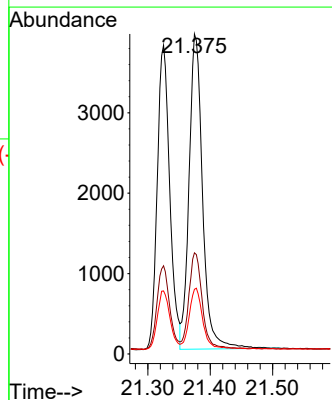
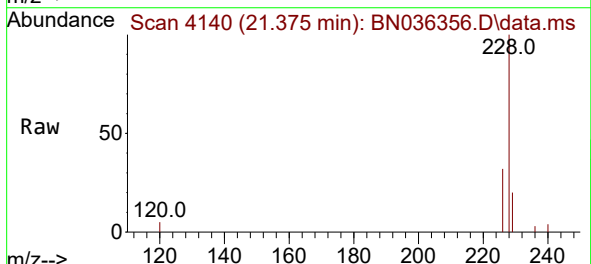
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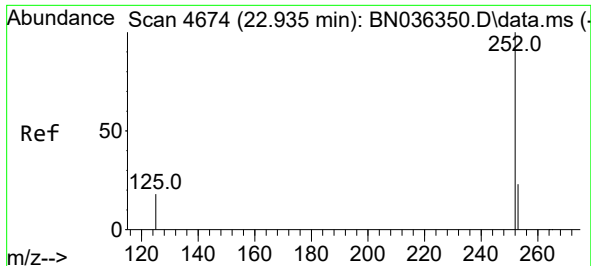
Tgt Ion:228 Resp: 5259
Ion Ratio Lower Upper
228 100
229 20.4 15.9 23.9
226 28.6 22.8 34.2



#22
Chrysene
Concen: 0.336 ng/ul
RT: 21.375 min Scan# 4140
Delta R.T. -0.023 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:228 Resp: 5895
Ion Ratio Lower Upper
228 100
226 31.6 24.4 36.6
229 20.2 15.9 23.9

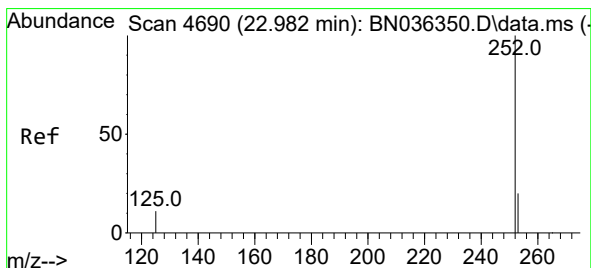
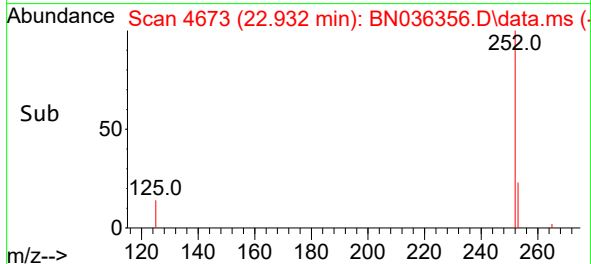
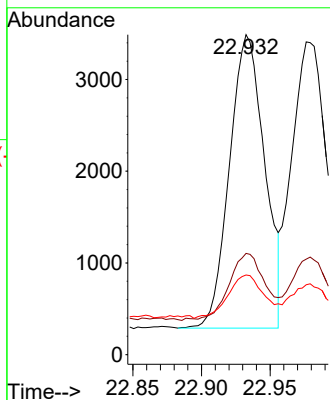
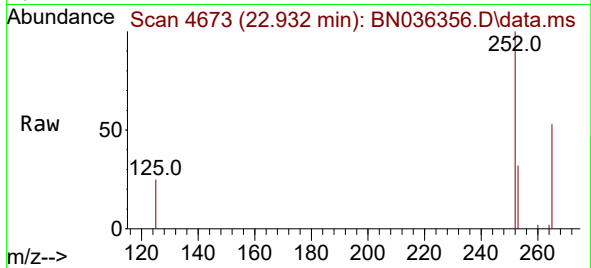




#24
Benzo(b)fluoranthene
Concen: 0.334 ng/ul
RT: 22.932 min Scan# 4673
Delta R.T. -0.029 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

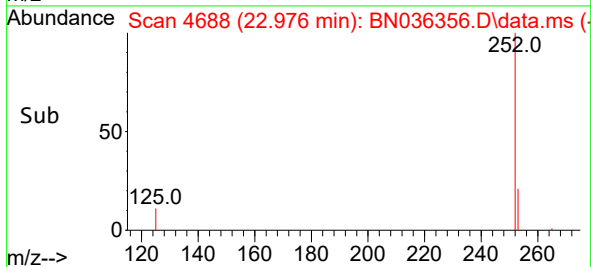
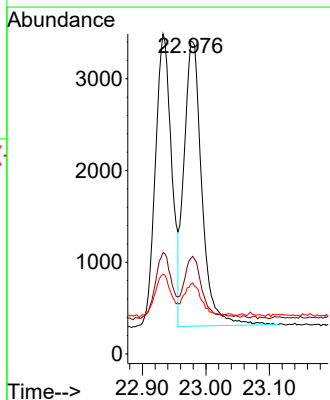
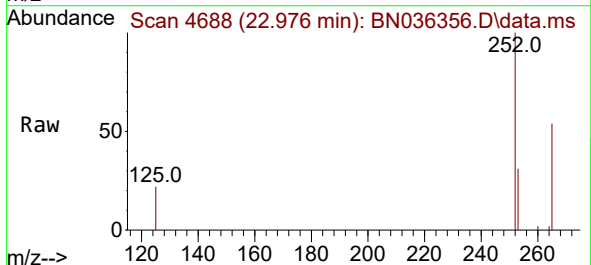
Instrument :
BNA_N
ClientSampleId :
SLCS538

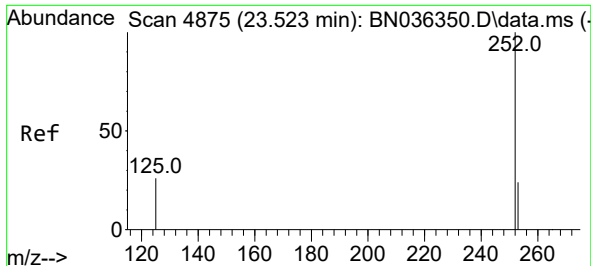
Tgt Ion:252 Resp: 5704
Ion Ratio Lower Upper
252 100
253 31.6 0.0 51.2
125 24.9 0.0 27.8



#25
Benzo(k)fluoranthene
Concen: 0.338 ng/ul
RT: 22.976 min Scan# 4688
Delta R.T. -0.032 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:252 Resp: 6075
Ion Ratio Lower Upper
252 100
253 30.5 20.2 30.4#
125 22.4 10.6 16.0#

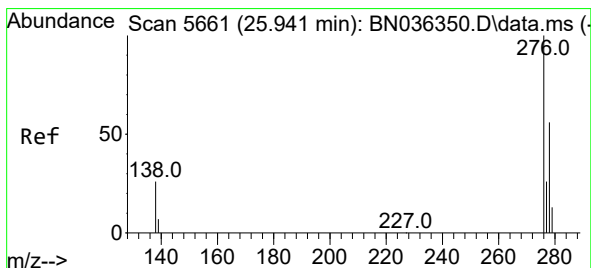
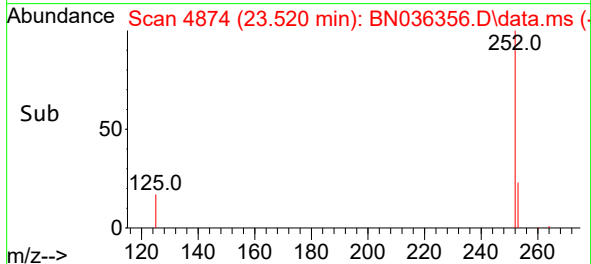
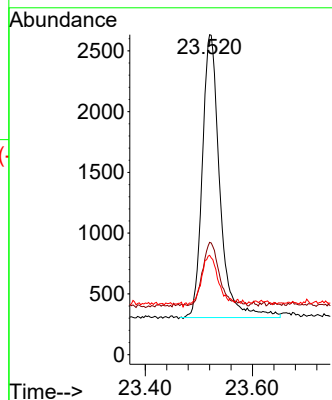
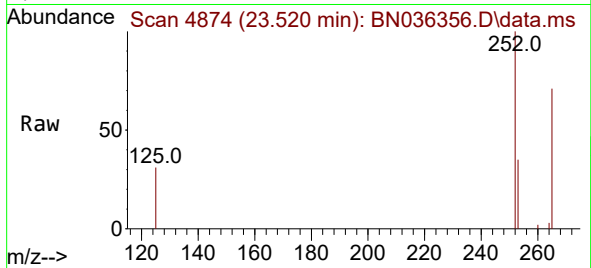




#26
Benzo(a)pyrene
Concen: 0.342 ng/ul
RT: 23.520 min Scan# 4875
Delta R.T. -0.035 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

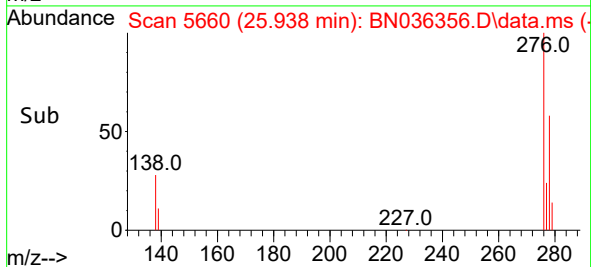
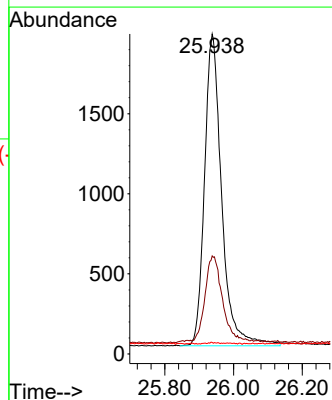
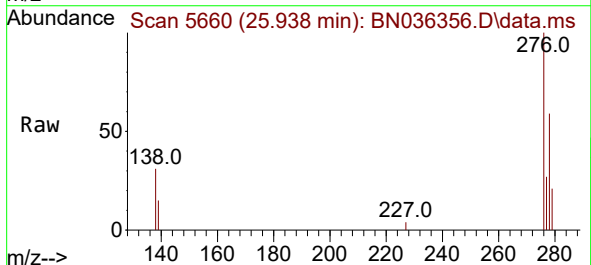
Instrument :
BNA_N
ClientSampleId :
SLCS538

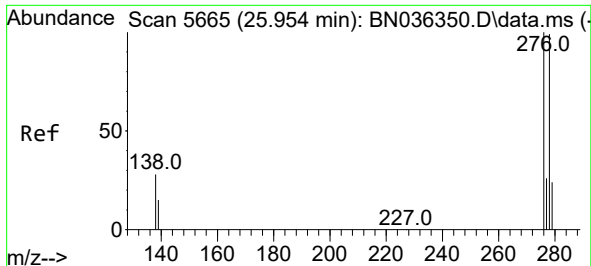
Tgt Ion:252 Resp: 5281
Ion Ratio Lower Upper
252 100
253 35.1 22.2 33.4#
125 31.0 13.1 19.7#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.330 ng/ul
RT: 25.938 min Scan# 5660
Delta R.T. -0.050 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:276 Resp: 6734
Ion Ratio Lower Upper
276 100
138 28.1 20.2 30.4
227 0.2 0.1 0.1#

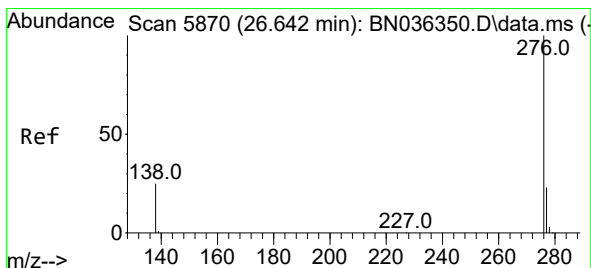
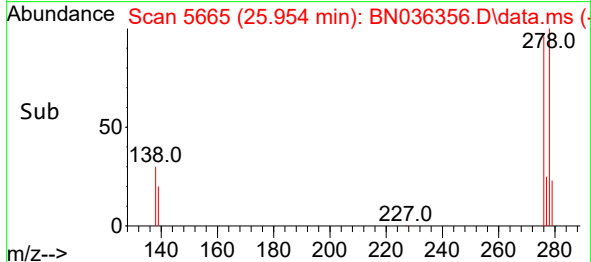
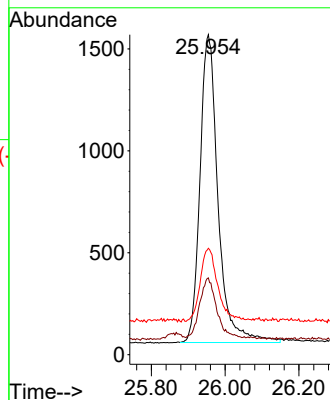
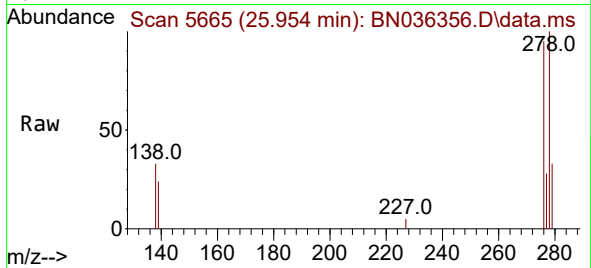




#28
Dibenzo(a,h)anthracene
Concen: 0.326 ng/ul
RT: 25.954 min Scan# 5665
Delta R.T. -0.044 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Instrument :
BNA_N
ClientSampleId :
SLCS538

Tgt Ion:278 Resp: 5124
Ion Ratio Lower Upper
278 100
139 24.0 15.4 23.2#
279 33.2 22.2 33.4



#29
Benzo(g,h,i)perylene
Concen: 0.348 ng/ul
RT: 26.642 min Scan# 5870
Delta R.T. -0.060 min
Lab File: BN036356.D
Acq: 07 Feb 2025 04:11

Tgt Ion:276 Resp: 5520
Ion Ratio Lower Upper
276 100
138 28.8 19.4 29.0
277 27.9 21.1 31.7

