

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035645.D
 Acq On : 17 Dec 2024 09:12
 Operator : RC/JU
 Sample : P5232-21MS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S7MS

Quant Time: Dec 17 10:07:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

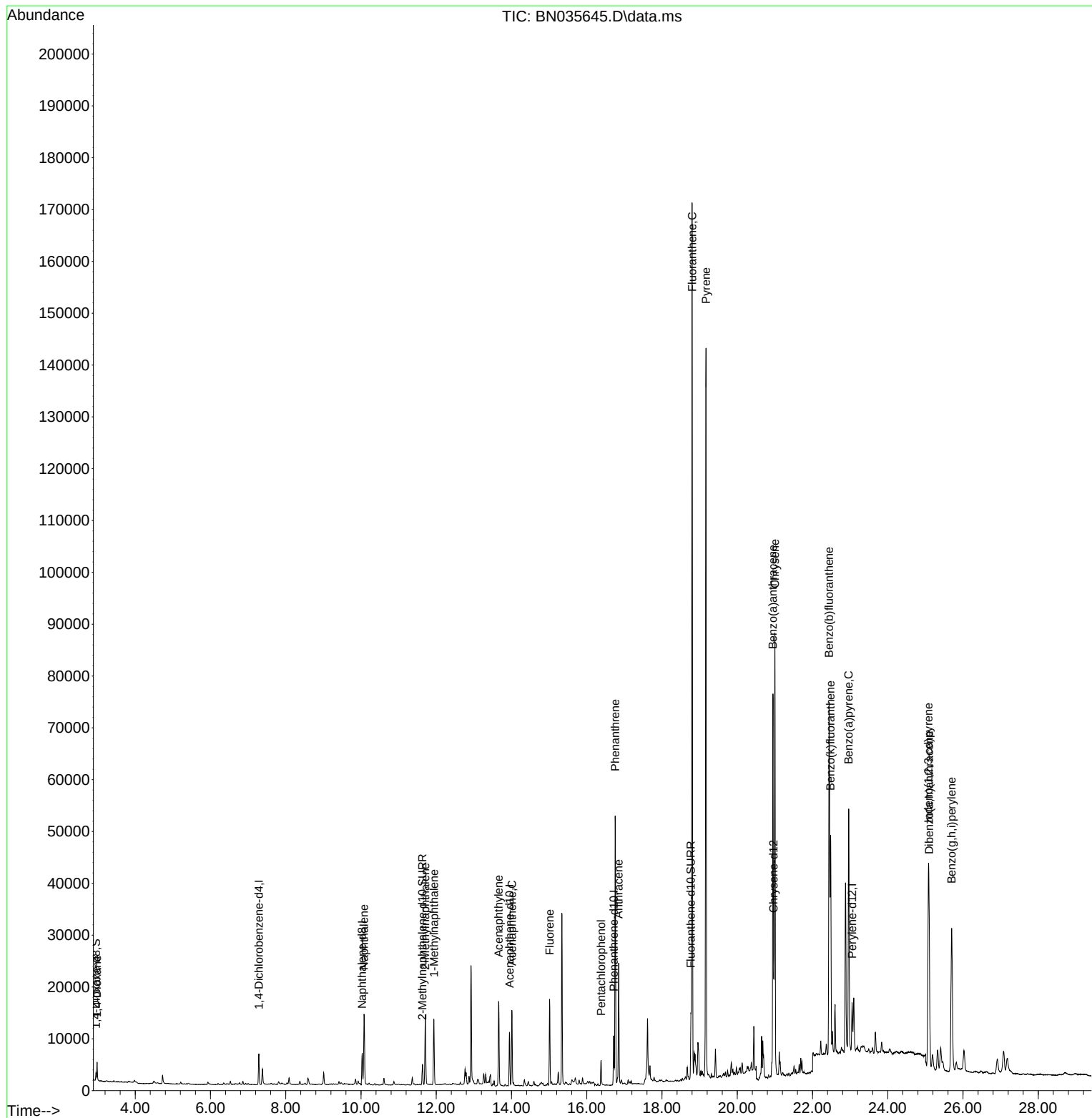
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2819	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	8375	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.949	164	5524	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	11513	0.400	ng/ul	0.00
17) Chrysene-d12	20.964	240	9376	0.400	ng/ul	0.00
23) Perylene-d12	23.051	264	10846	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	908	0.363	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	5194	0.435	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	13912	0.508	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.985	88	2435	0.965	ng/ul#	83
5) Naphthalene	10.081	128	11763	0.573	ng/ul	97
7) 2-Methylnaphthalene	11.708	142	9481	0.686	ng/ul	99
8) 1-Methylnaphthalene	11.939	142	8632	0.602	ng/ul	99
10) Acenaphthylene	13.657	152	18539	0.866	ng/ul	98
11) Acenaphthene	14.009	153	8230	0.509	ng/ul	99
12) Fluorene	15.013	166	9743	0.518	ng/ul	100
14) Pentachlorophenol	16.380	266	3242	1.098	ng/ul	98
15) Phenanthrene	16.755	178	53314	1.850	ng/ul	98
16) Anthracene	16.848	178	23543	0.874	ng/ul	99
19) Fluoranthene	18.800	202	145029	4.325	ng/ul	97
20) Pyrene	19.167	202	118820	3.216	ng/ul	98
21) Benzo(a)anthracene	20.947	228	58790	1.890	ng/ul	97
22) Chrysene	20.999	228	77655	2.407	ng/ul	98
24) Benzo(b)fluoranthene	22.440	252	101788	3.185	ng/ul	88
25) Benzo(k)fluoranthene	22.481	252	42224	1.194	ng/ul#	94
26) Benzo(a)pyrene	22.960	252	60835	1.965	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	25.081	276	61751	1.639	ng/ul#	67
28) Dibenzo(a,h)anthracene	25.098	278	25675	0.892	ng/ul	97
29) Benzo(g,h,i)perylene	25.698	276	54919	1.816	ng/ul#	93

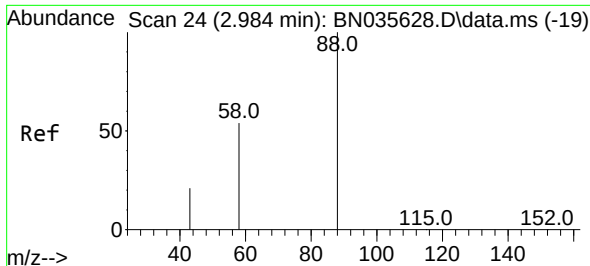
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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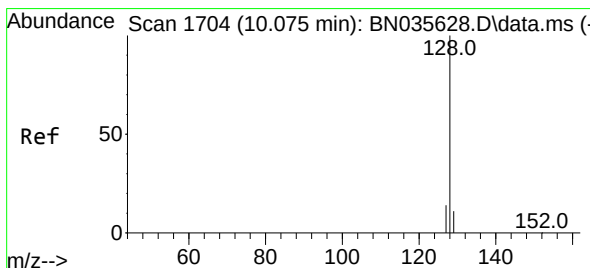
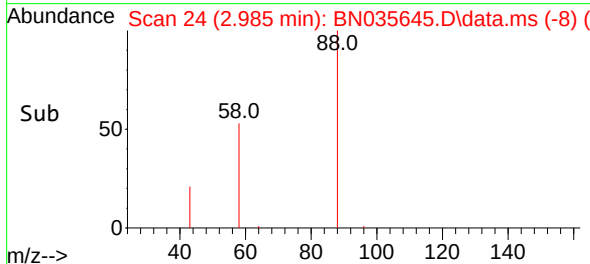
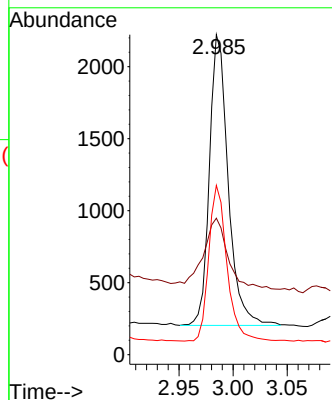
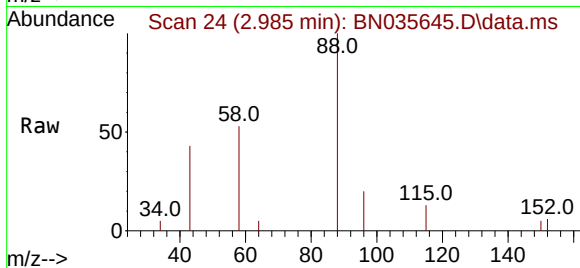




#2
 1,4-Dioxane
 Concen: 0.965 ng/ul
 RT: 2.985 min Scan# 24
 Delta R.T. -0.004 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

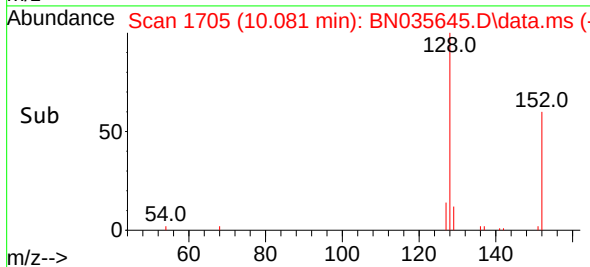
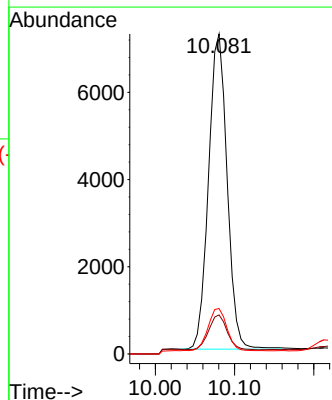
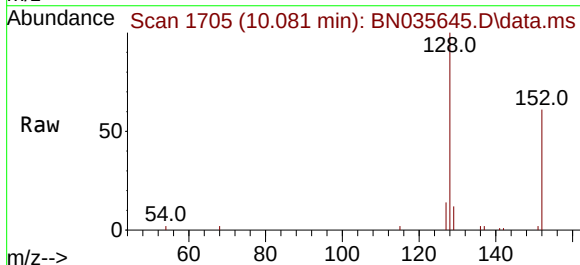
Instrument :
 BNA_N
 ClientSampleId :
 E28S7MS

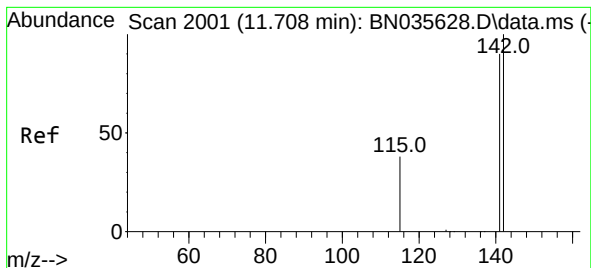
Tgt Ion: 88 Resp: 2435
 Ion Ratio Lower Upper
 88 100
 43 42.6 39.4 59.2
 58 52.9 29.8 44.6#



#5
 Naphthalene
 Concen: 0.573 ng/ul
 RT: 10.081 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

Tgt Ion:128 Resp: 11763
 Ion Ratio Lower Upper
 128 100
 129 12.2 10.8 16.2
 127 14.2 12.0 18.0

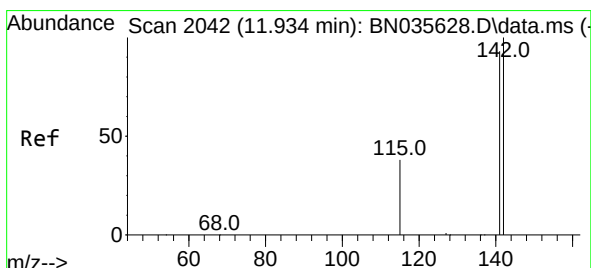
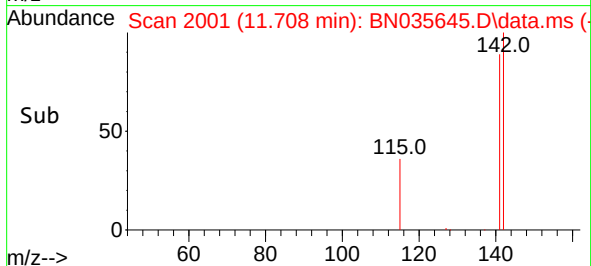
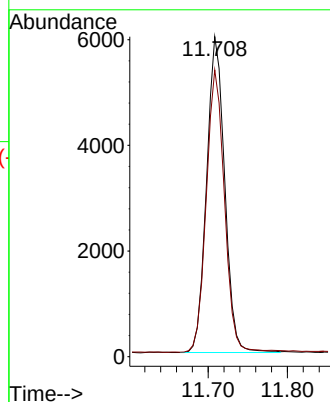
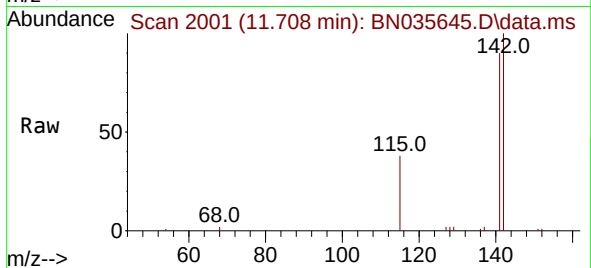




#7
2-Methylnaphthalene
Concen: 0.686 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

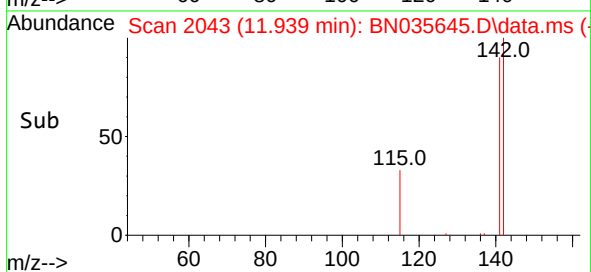
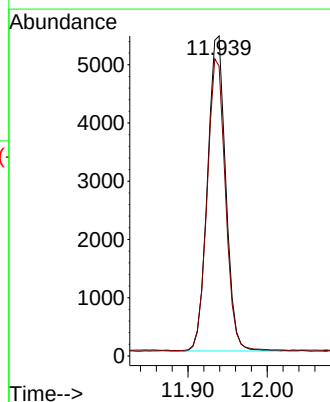
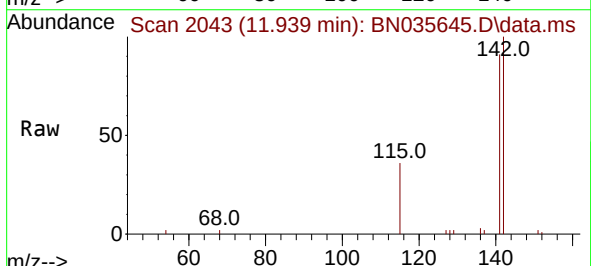
Instrument :
BNA_N
ClientSampleId :
E28S7MS

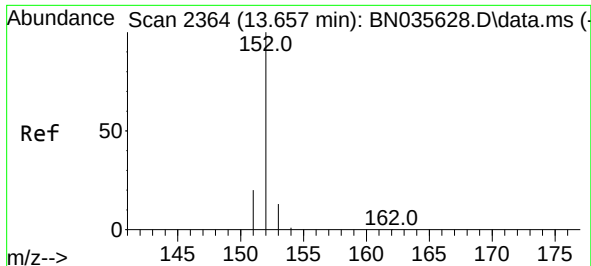
Tgt Ion:142 Resp: 9481
Ion Ratio Lower Upper
142 100
141 90.2 72.8 109.2



#8
1-Methylnaphthalene
Concen: 0.602 ng/ul
RT: 11.939 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

Tgt Ion:142 Resp: 8632
Ion Ratio Lower Upper
142 100
141 92.9 74.7 112.1

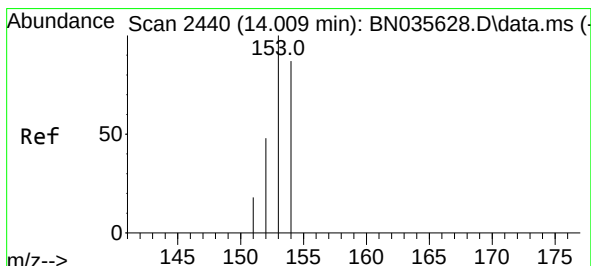
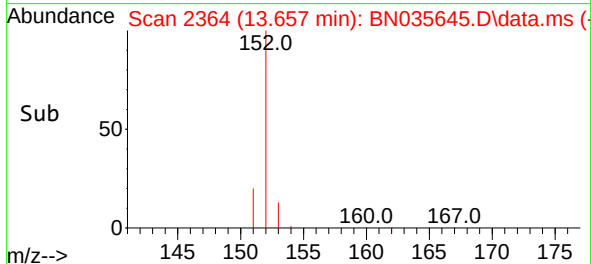
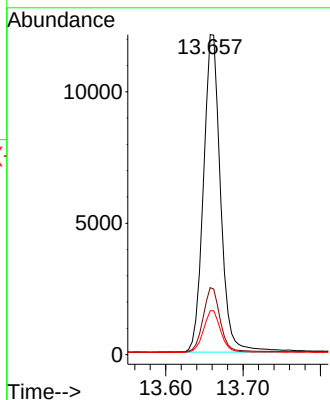
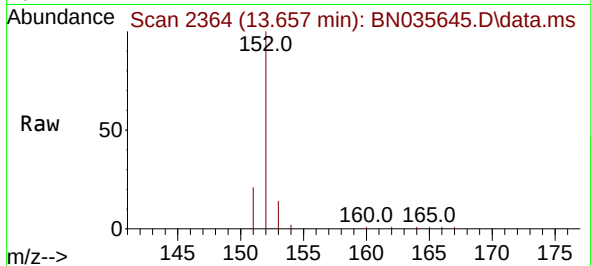




#10
Acenaphthylene
Concen: 0.866 ng/ul
RT: 13.657 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

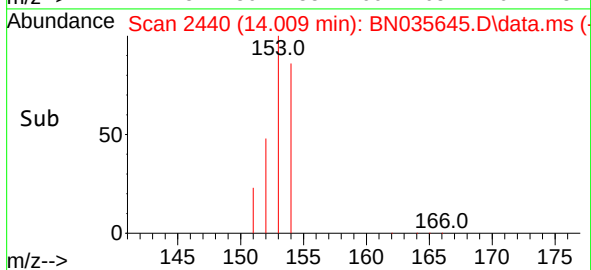
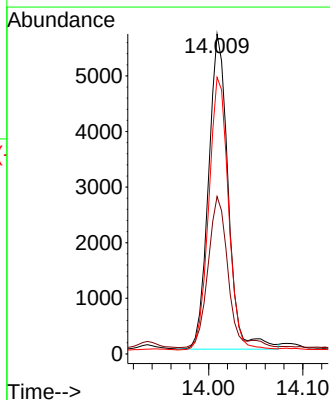
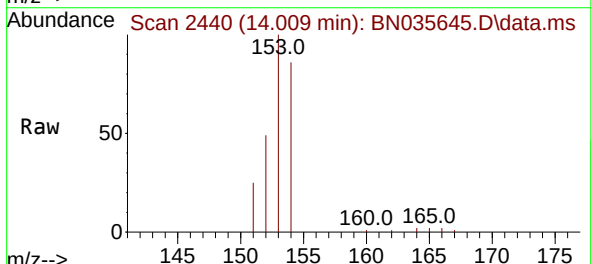
Instrument :
BNA_N
ClientSampleId :
E28S7MS

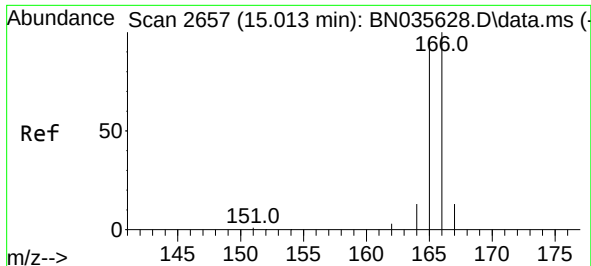
Tgt Ion:152 Resp: 18539
Ion Ratio Lower Upper
152 100
151 20.9 17.6 26.4
153 13.7 11.4 17.2



#11
Acenaphthene
Concen: 0.509 ng/ul
RT: 14.009 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

Tgt Ion:153 Resp: 8230
Ion Ratio Lower Upper
153 100
152 49.2 39.8 59.6
154 86.4 69.8 104.8

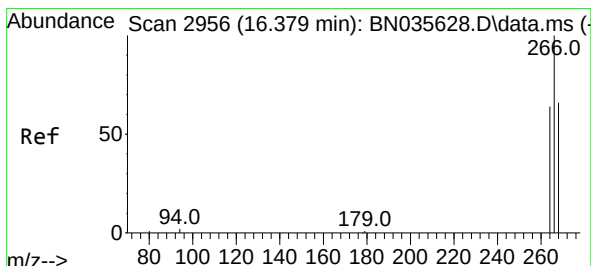
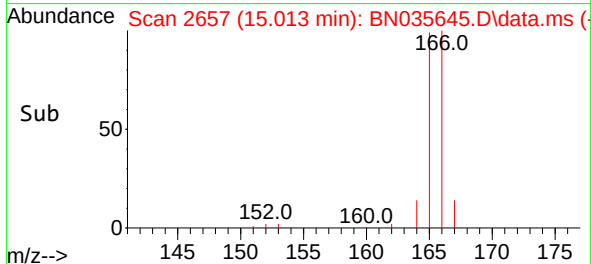
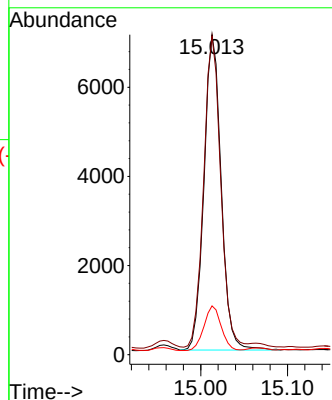
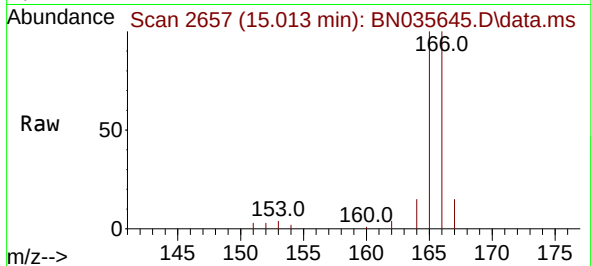




#12
 Fluorene
 Concen: 0.518 ng/ul
 RT: 15.013 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

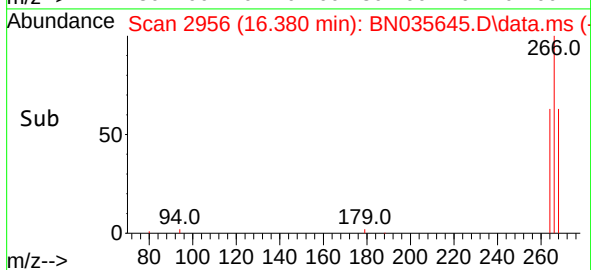
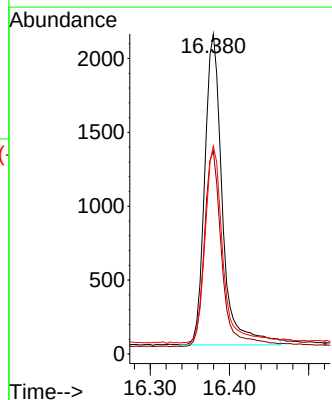
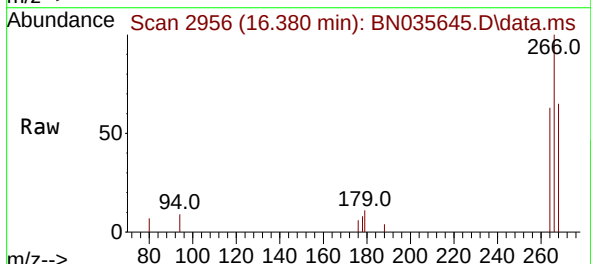
Instrument :
 BNA_N
 ClientSampleId :
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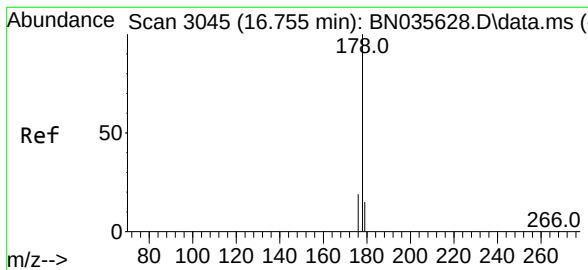
Tgt Ion:166 Resp: 9743
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.5 119.3
 167 15.3 11.8 17.8



#14
 Pentachlorophenol
 Concen: 1.098 ng/ul
 RT: 16.380 min Scan# 2956
 Delta R.T. 0.000 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

Tgt Ion:266 Resp: 3242
 Ion Ratio Lower Upper
 266 100
 264 62.9 49.9 74.9
 268 63.9 52.8 79.2

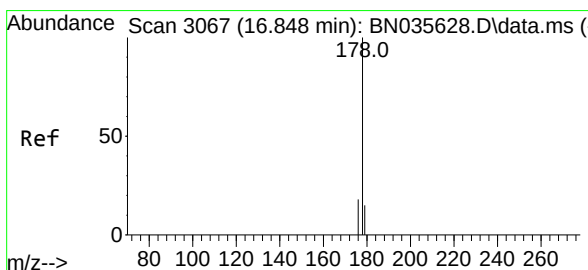
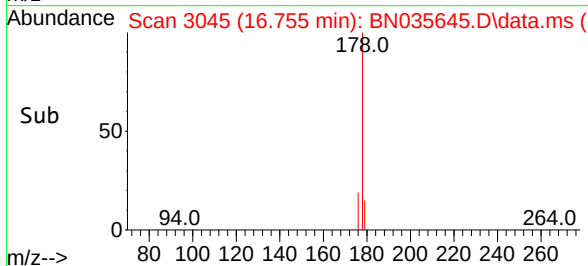
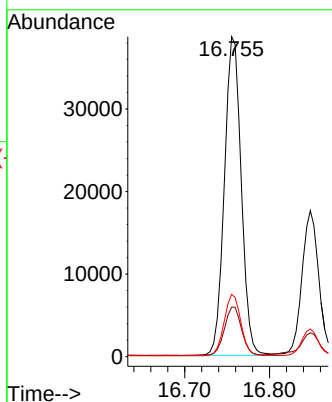
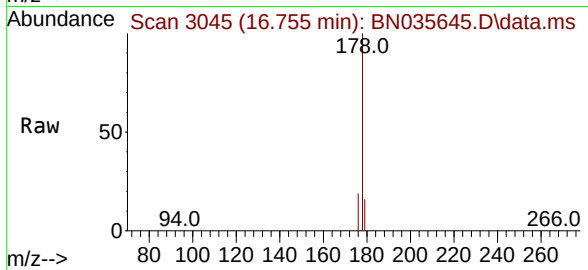




#15
 Phenanthrene
 Concen: 1.850 ng/ul
 RT: 16.755 min Scan# 3045
 Delta R.T. -0.004 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

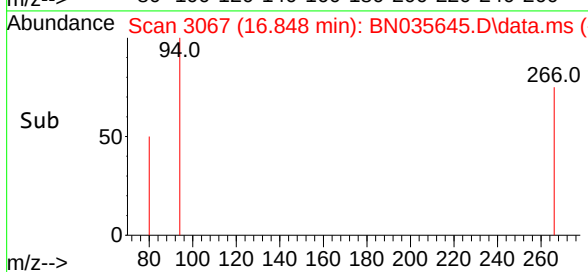
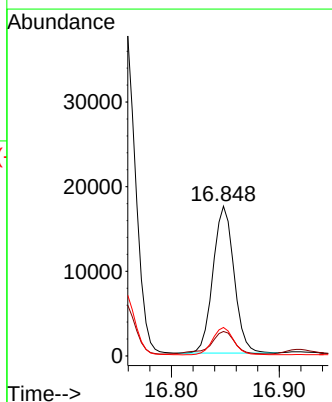
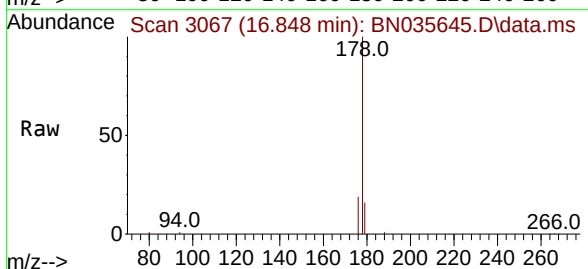
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 ClientSampleId :
 E28S7MS

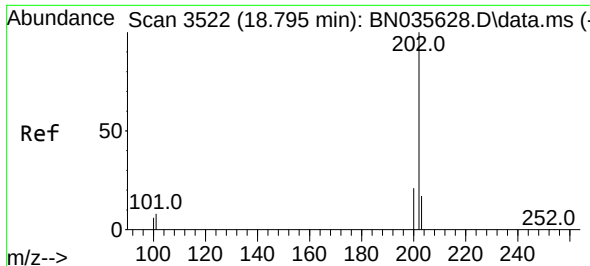
Tgt Ion:	178	Resp:	53314
Ion Ratio	Lower	Upper	
178	100		
179	15.5	13.3	19.9
176	19.5	15.8	23.8



#16
 Anthracene
 Concen: 0.874 ng/ul
 RT: 16.848 min Scan# 3067
 Delta R.T. 0.000 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

Tgt Ion:	178	Resp:	23543
Ion Ratio	Lower	Upper	
178	100		
179	16.4	13.4	20.0
176	19.0	15.4	23.0

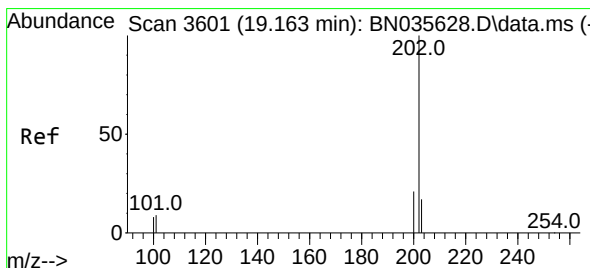
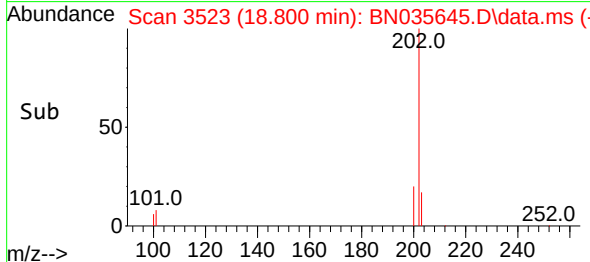
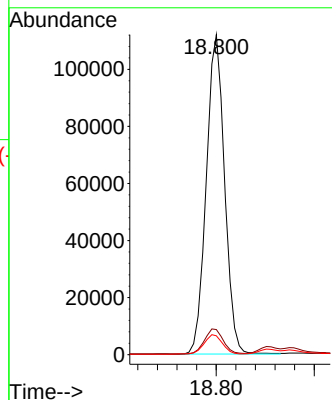
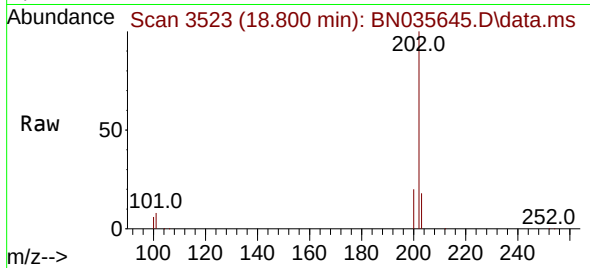




#19
Fluoranthene
Concen: 4.325 ng/ul
RT: 18.800 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

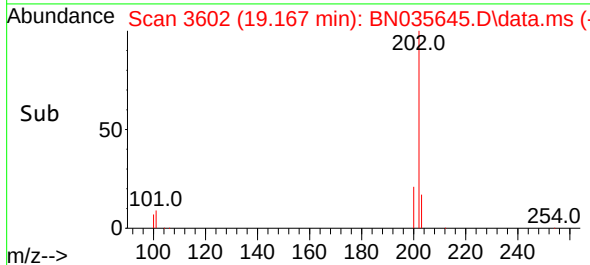
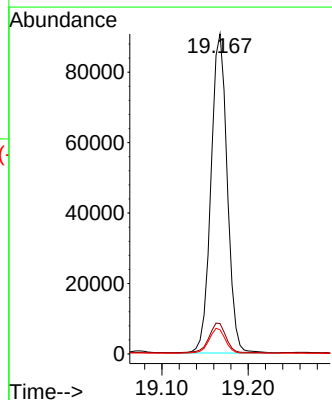
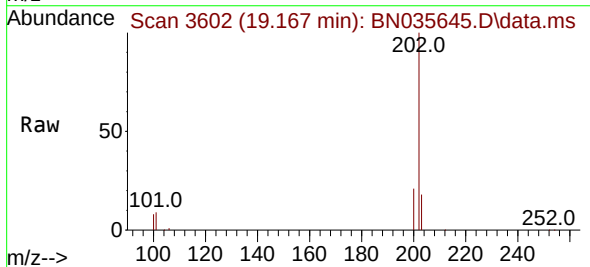
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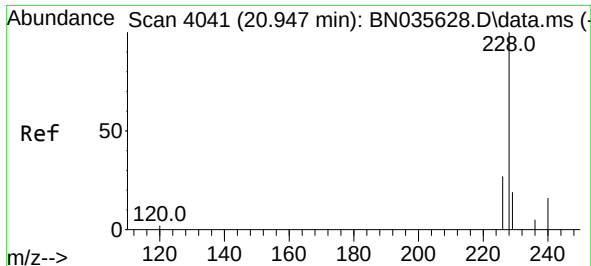
Tgt Ion:202 Resp: 145029
Ion Ratio Lower Upper
202 100
101 7.9 7.3 10.9
100 5.9 5.4 8.0



#20
Pyrene
Concen: 3.216 ng/ul
RT: 19.167 min Scan# 3602
Delta R.T. 0.000 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

Tgt Ion:202 Resp: 118820
Ion Ratio Lower Upper
202 100
101 9.5 8.5 12.7
100 7.5 6.5 9.7

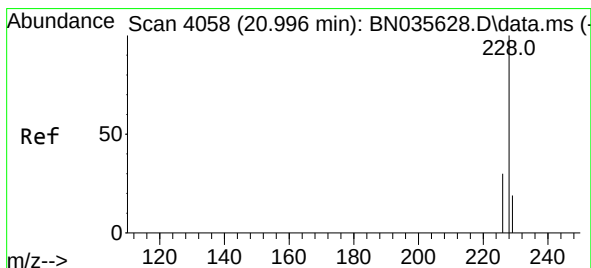
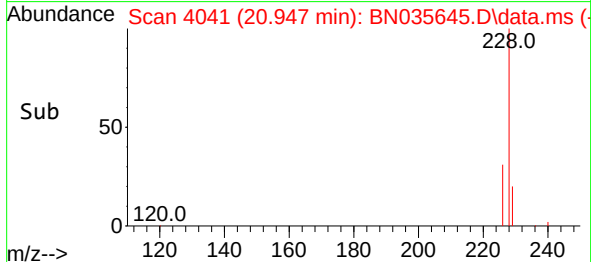
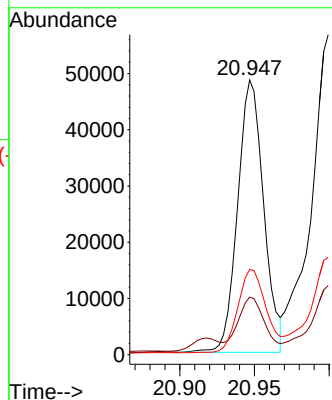
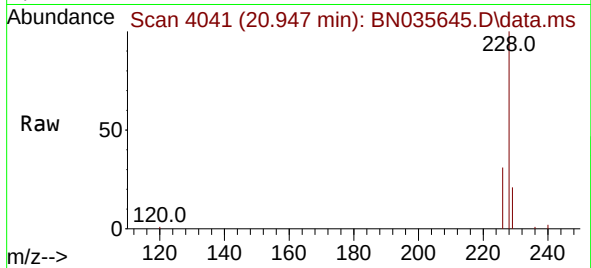




#21
Benzo(a)anthracene
Concen: 1.890 ng/ul
RT: 20.947 min Scan# 4041
Delta R.T. -0.003 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

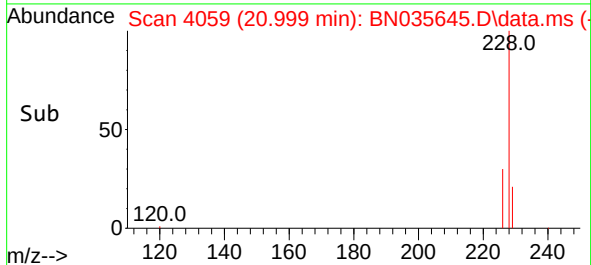
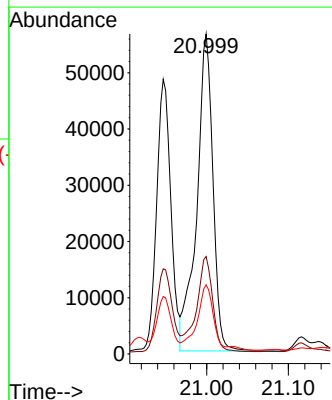
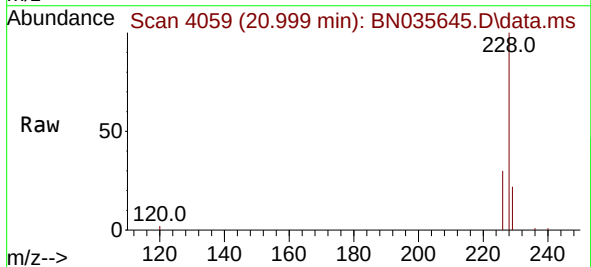
Instrument :
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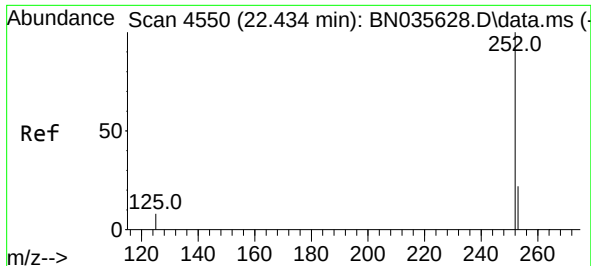
Tgt Ion:228 Resp: 58790
Ion Ratio Lower Upper
228 100
229 20.9 16.6 25.0
226 31.0 22.5 33.7



#22
Chrysene
Concen: 2.407 ng/ul
RT: 20.999 min Scan# 4059
Delta R.T. 0.000 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

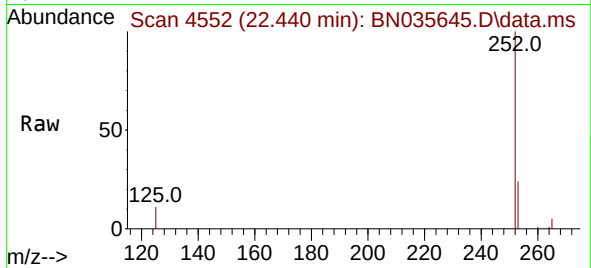
Tgt Ion:228 Resp: 77655
Ion Ratio Lower Upper
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226 30.4 25.1 37.7
229 21.6 16.6 24.8



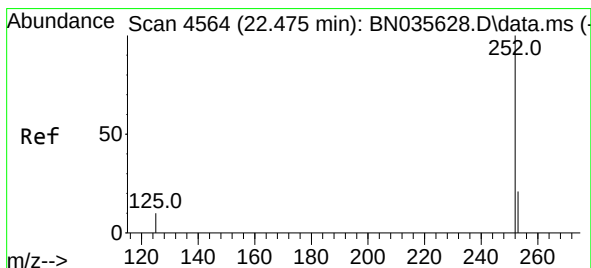
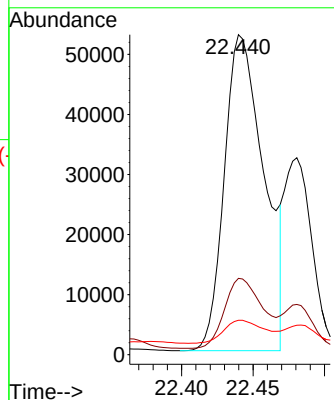


#24
Benzo(b)fluoranthene
Concen: 3.185 ng/ul
RT: 22.440 min Scan# 4552
Delta R.T. -0.003 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

Instrument :
BNA_N
ClientSampleId :
E28S7MS

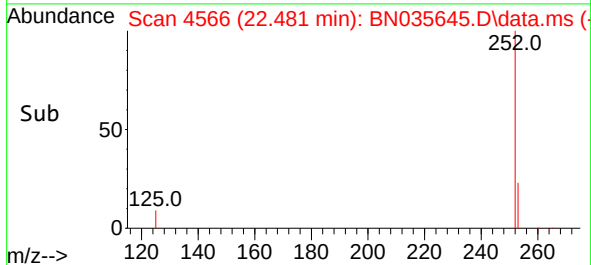
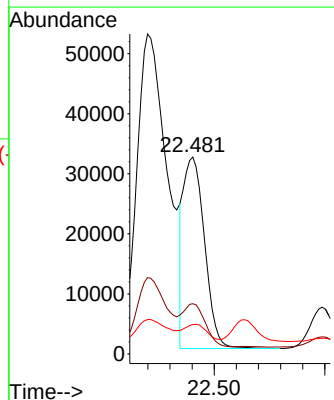
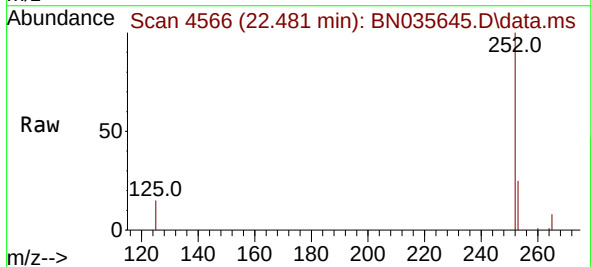


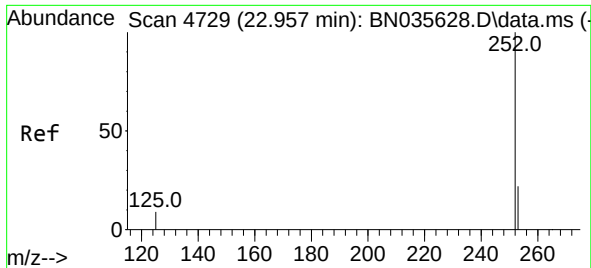
Tgt Ion:252 Resp: 101788
Ion Ratio Lower Upper
252 100
253 23.9 0.0 56.4
125 10.8 0.0 37.6



#25
Benzo(k)fluoranthene
Concen: 1.194 ng/ul
RT: 22.481 min Scan# 4566
Delta R.T. 0.000 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

Tgt Ion:252 Resp: 42224
Ion Ratio Lower Upper
252 100
253 25.5 22.1 33.1
125 15.0 15.3 22.9#

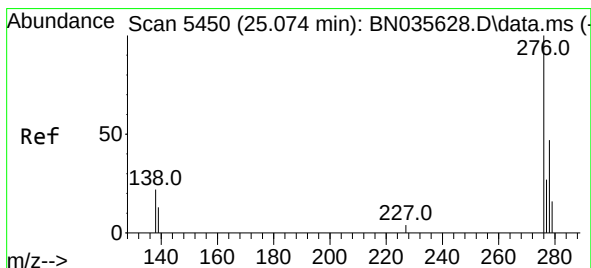
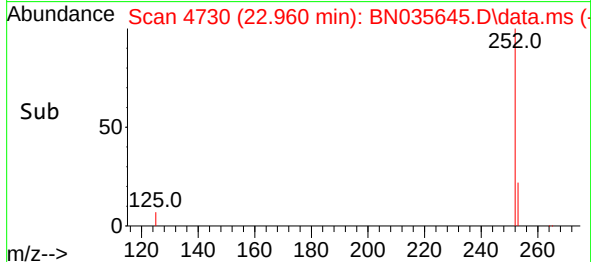
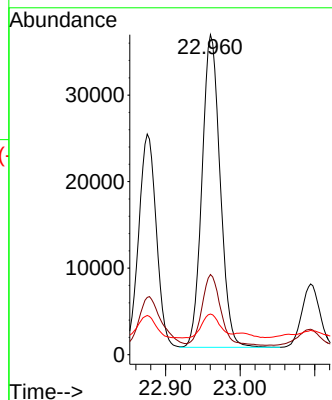
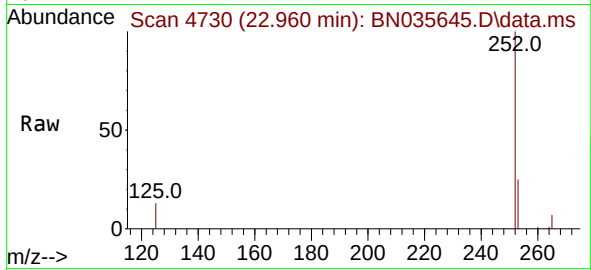




#26
Benzo(a)pyrene
Concen: 1.965 ng/ul
RT: 22.960 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

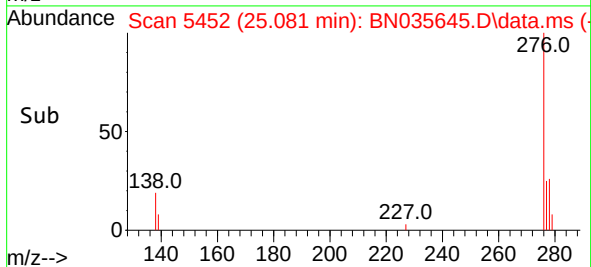
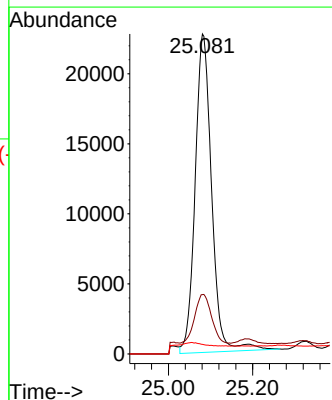
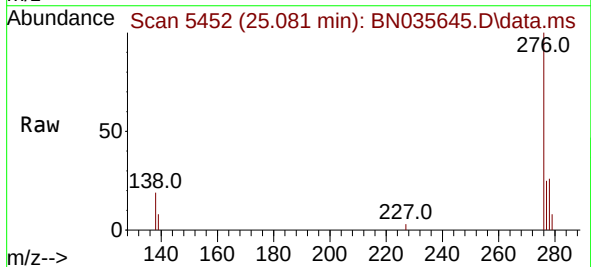
Instrument :
BNA_N
ClientSampleId :
E28S7MS

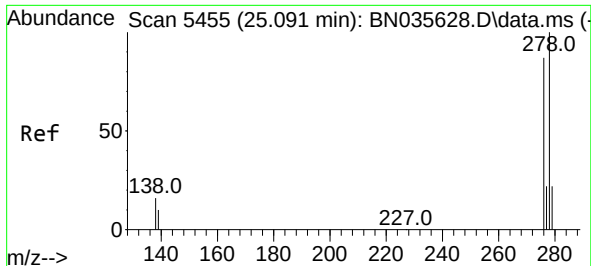
Tgt Ion:252 Resp: 60835
Ion Ratio Lower Upper
252 100
253 25.1 24.1 36.1
125 12.7 19.1 28.7#



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.639 ng/ul
RT: 25.081 min Scan# 5452
Delta R.T. 0.000 min
Lab File: BN035645.D
Acq: 17 Dec 2024 09:12

Tgt Ion:276 Resp: 61751
Ion Ratio Lower Upper
276 100
138 16.8 14.7 22.1
227 0.0 21.6 32.4#

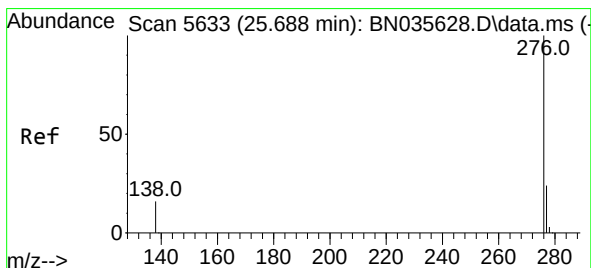
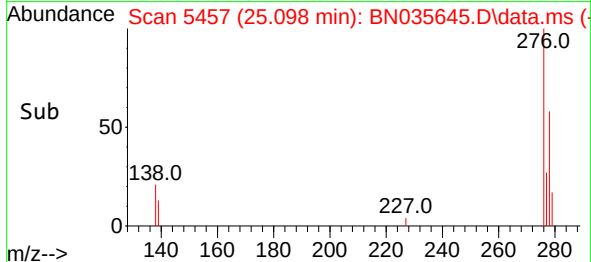
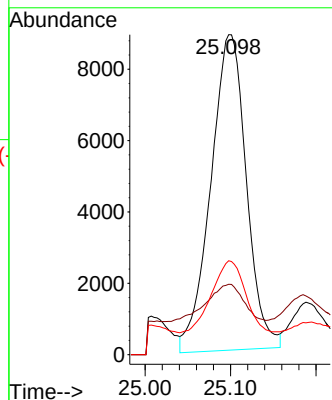
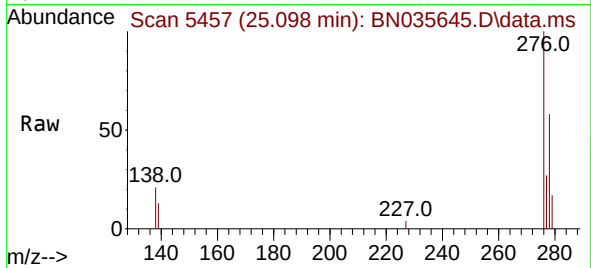




#28
 Dibenzo(a,h)anthracene
 Concen: 0.892 ng/ul
 RT: 25.098 min Scan# 5455
 Delta R.T. -0.003 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

Instrument :
 BNA_N
 ClientSampleId :
 E28S7MS

Tgt Ion:278 Resp: 25675
 Ion Ratio Lower Upper
 278 100
 139 22.0 19.8 29.8
 279 29.3 24.0 36.0



#29
 Benzo(g,h,i)perylene
 Concen: 1.816 ng/ul
 RT: 25.698 min Scan# 5636
 Delta R.T. 0.000 min
 Lab File: BN035645.D
 Acq: 17 Dec 2024 09:12

Tgt Ion:276 Resp: 54919
 Ion Ratio Lower Upper
 276 100
 138 18.9 19.6 29.4#
 277 25.0 21.6 32.4

