

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028930.D
 Acq On : 01 Dec 2023 03:33
 Operator : MA/JU
 Sample : 05253-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-3(120FT)(0-5)

Quant Time: Dec 01 04:32:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

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

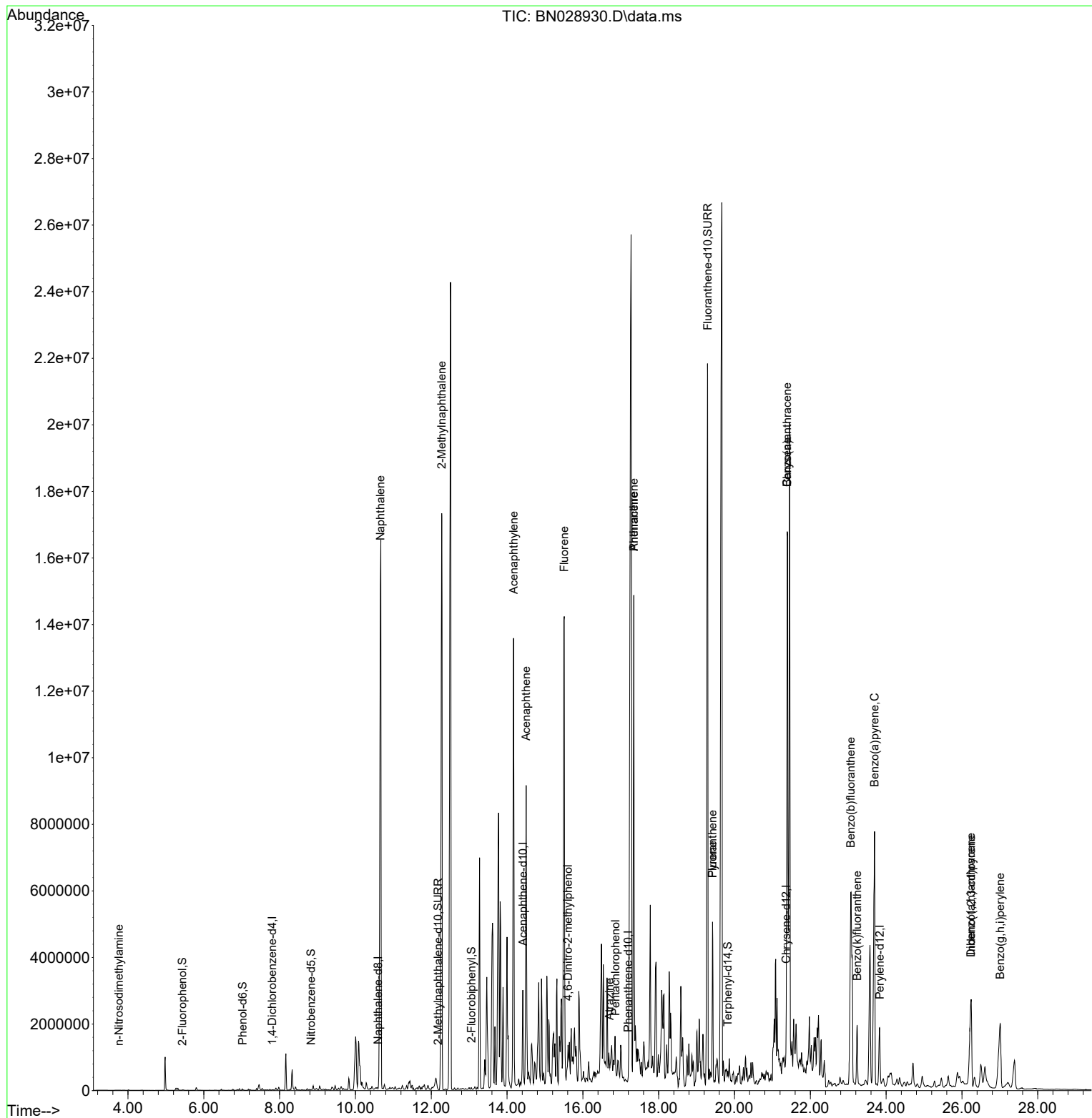
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	5515	0.400	ng	# 0.00
7) Naphthalene-d8	10.594	136	16280	0.400	ng	# 0.00
13) Acenaphthene-d10	14.418	164	84799	0.400	ng	#-0.01
19) Phenanthrene-d10	17.196	188	15042	0.400	ng	# 0.01
29) Chrysene-d12	21.365	240	172062	0.400	ng	0.00
35) Perylene-d12	23.836	264	43985	0.400	ng	0.12
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	4902	0.293	ng	-0.01
5) Phenol-d6	7.024	99	5005	0.270	ng	-0.02
8) Nitrobenzene-d5	8.833	82	1793	0.111	ng	-0.15
11) 2-Methylnaphthalene-d10	12.182	152	5558	0.213	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	1145	0.020	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	12094	0.033	ng	-0.01
27) Fluoranthene-d10	19.292	212	92209	2.331	ng	0.08
31) Terphenyl-d14	19.822	244	20394	0.173	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.759	42	147	0.109	ng	# 1
9) Naphthalene	10.658	128	21399262	413.637	ng	# 88
12) 2-Methylnaphthalene	12.276	142	14374254	442.174	ng	# 96
16) Acenaphthylene	14.172	152	13015268	28.973	ng	# 96
17) Acenaphthene	14.503	154	4399769	14.756	ng	# 98
18) Fluorene	15.508	166	11532514	30.553	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.607	198	7753	2.348	ng	# 1
23) Atrazine	16.700	200	1454	0.160	ng	# 1
24) Pentachlorophenol	16.861	266	661	0.112	ng	# 61
25) Phenanthrene	17.345	178	13703793	275.922	ng	# 98
26) Anthracene	17.345	178	13244193	288.501	ng	# 94
28) Fluoranthene	19.422	202	4260431	82.493	ng	# 96
30) Pyrene	19.422	202	3882629	3.044	ng	# 100
32) Benzo(a)anthracene	21.392	228	16668428	22.784	ng	# 86
33) Chrysene	21.392	228	13814745	19.233	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.320	149	23242	Below Cal		# 48
36) Indeno(1,2,3-cd)pyrene	26.242	276	5147032	26.855	ng	# 93
37) Benzo(b)fluoranthene	23.070	252	13052943	72.537	ng	# 26
38) Benzo(k)fluoranthene	23.234	252	2553619	15.041	ng	# 26
39) Benzo(a)pyrene	23.696	252	14235523	88.573	ng	# 17
40) Dibenzo(a,h)anthracene	26.239	278	1552125	10.464	ng	# 29
41) Benzo(g,h,i)perylene	27.008	276	5696528	34.144	ng	# 70

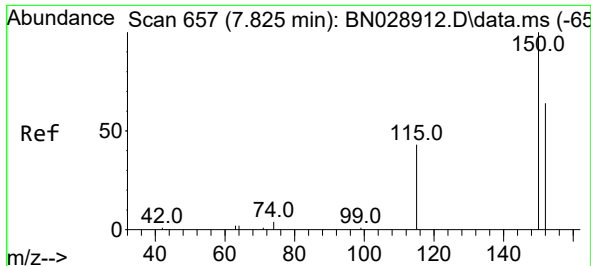
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
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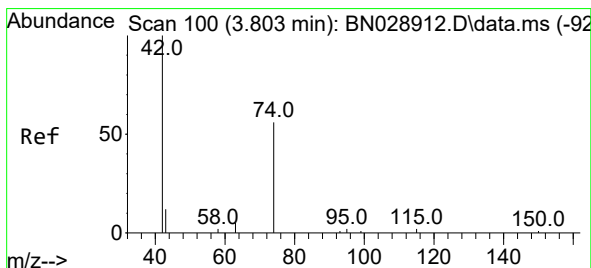
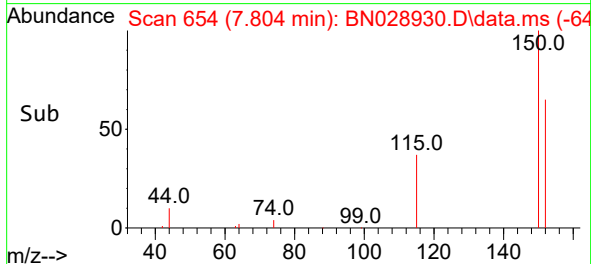
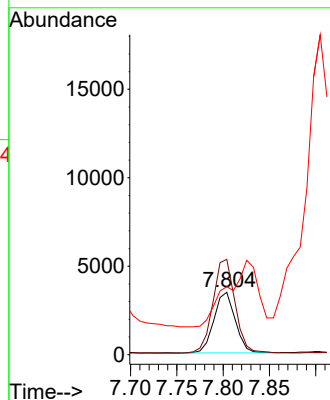
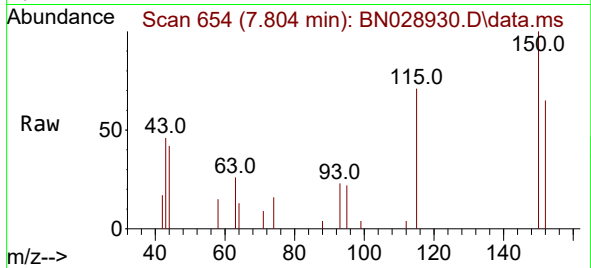




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

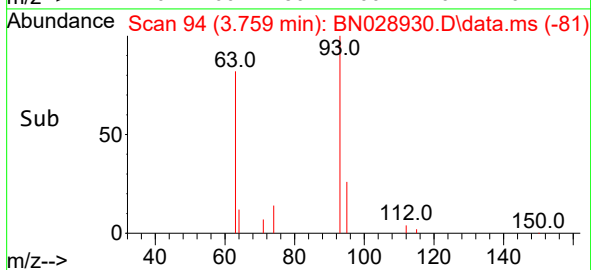
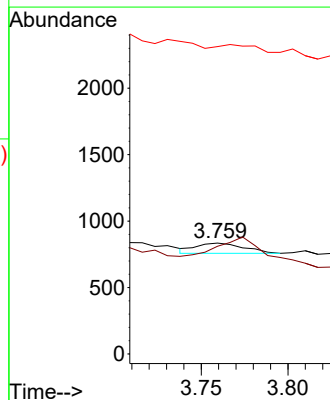
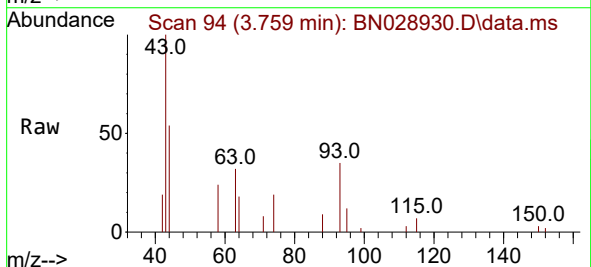
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

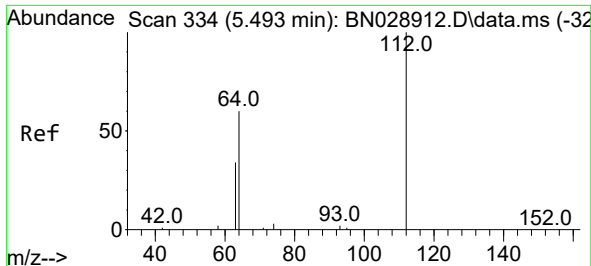
Tgt Ion:152 Resp: 5515
Ion Ratio Lower Upper
152 100
150 152.9 123.4 185.2
115 108.9 59.1 88.7#



#3
n-Nitrosodimethylamine
Concen: 0.109 ng
RT: 3.759 min Scan# 94
Delta R.T. -0.007 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion: 42 Resp: 147
Ion Ratio Lower Upper
42 100
74 352.4 57.0 85.6#
44 0.0 0.0 0.0

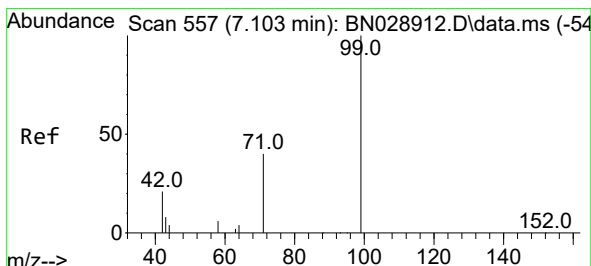
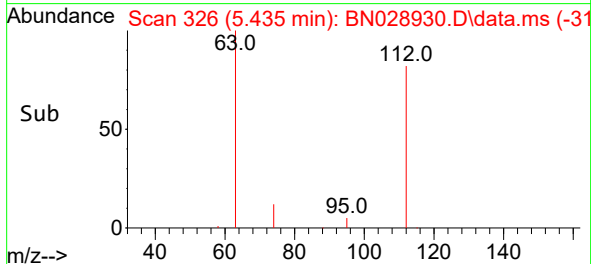
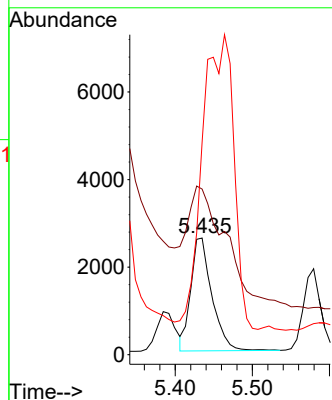
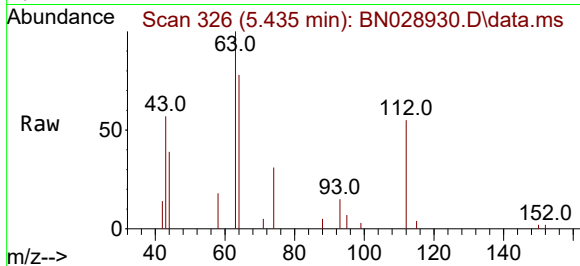




#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.435 min Scan# 311
Delta R.T. -0.014 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

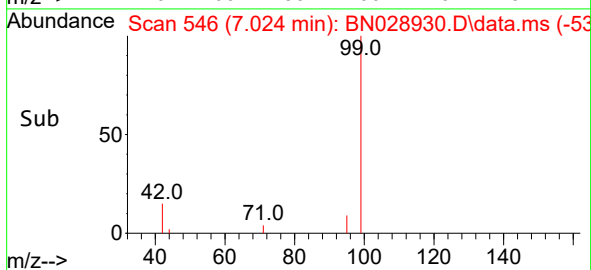
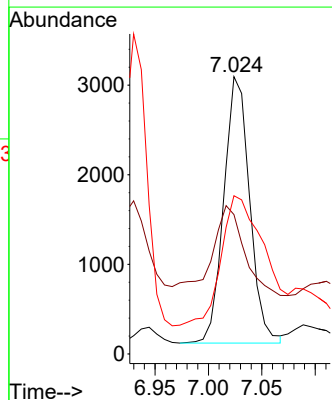
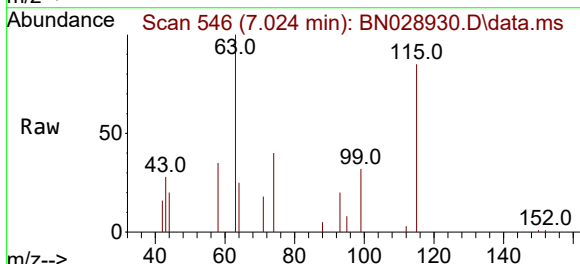
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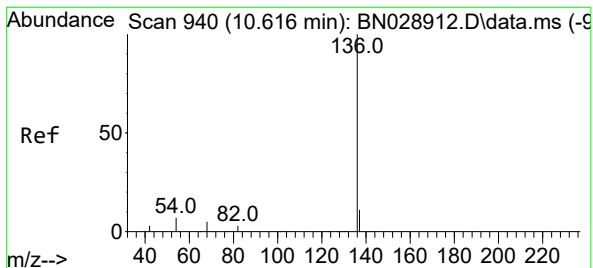
Tgt Ion:112 Resp: 4902
Ion Ratio Lower Upper
112 100
64 205.4 51.5 77.3#
63 0.0 30.4 45.6#



#5
Phenol-d6
Concen: 0.270 ng
RT: 7.024 min Scan# 546
Delta R.T. -0.022 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion: 99 Resp: 5005
Ion Ratio Lower Upper
99 100
42 42.6 21.2 31.8#
71 82.5 35.4 53.0#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.594 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

Instrument :

BNA_N

ClientSampleId :

L-3(120FT)(0-5)

Tgt Ion:136 Resp: 16280

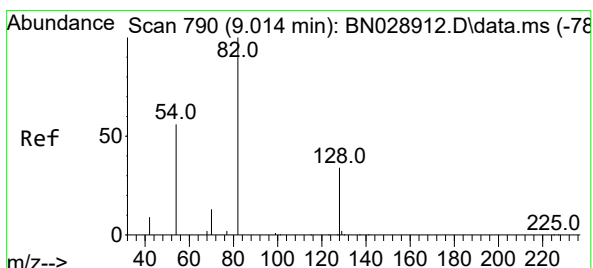
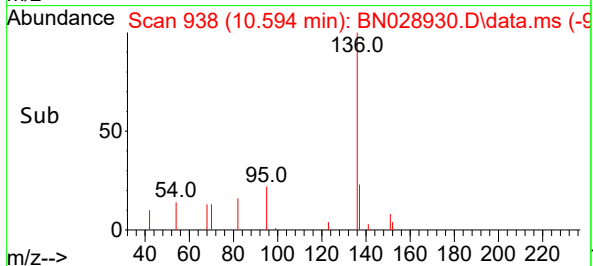
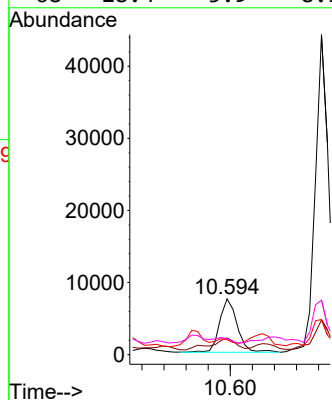
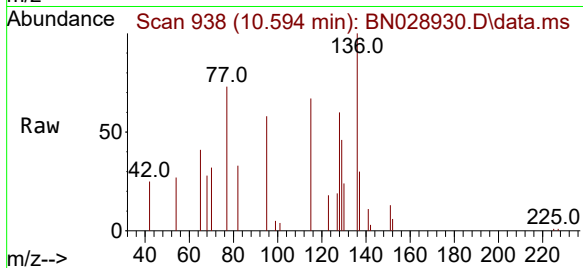
Ion Ratio Lower Upper

136 100

137 30.0 10.6 16.0#

54 26.7 7.5 11.3#

68 28.4 5.9 8.9#



#8

Nitrobenzene-d5

Concen: 0.111 ng

RT: 8.833 min Scan# 773

Delta R.T. -0.149 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

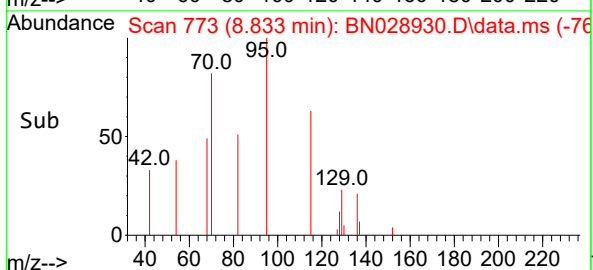
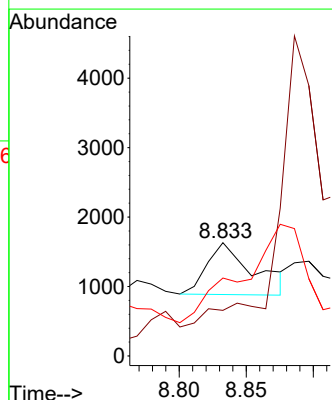
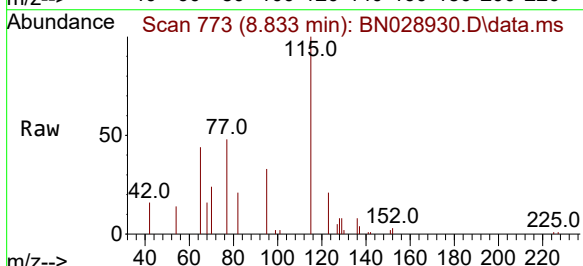
Tgt Ion: 82 Resp: 1793

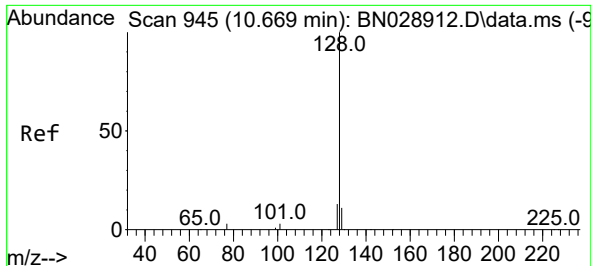
Ion Ratio Lower Upper

82 100

128 40.3 29.2 43.8

54 68.8 47.0 70.6

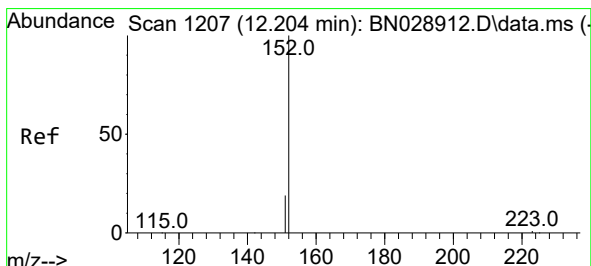
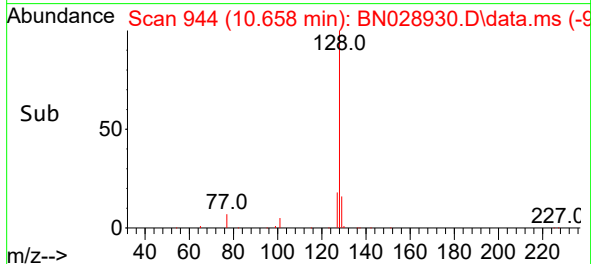
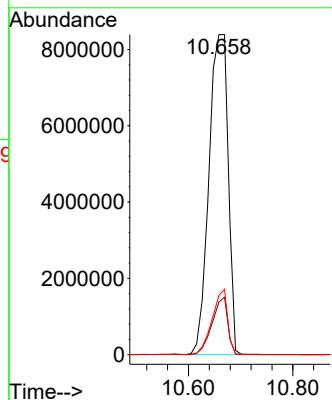
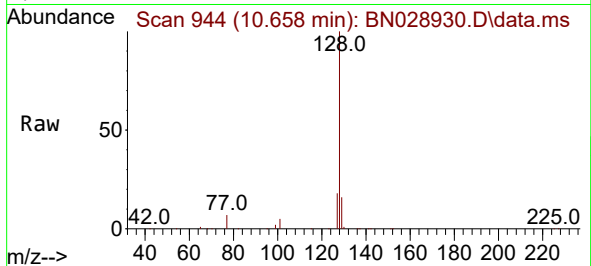




#9
Naphthalene
Concen: 413.637 ng
RT: 10.658 min Scan# 94
Delta R.T. 0.011 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

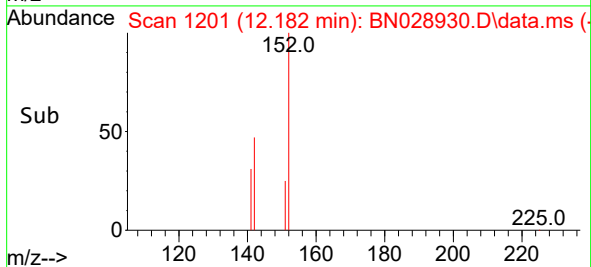
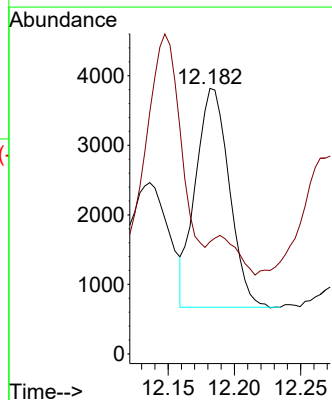
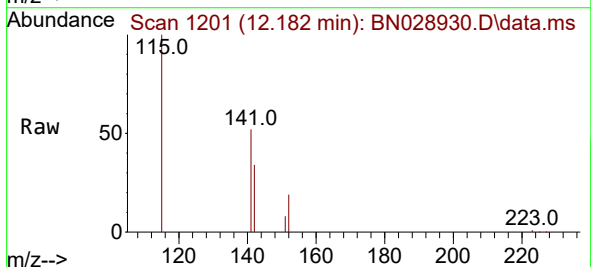
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

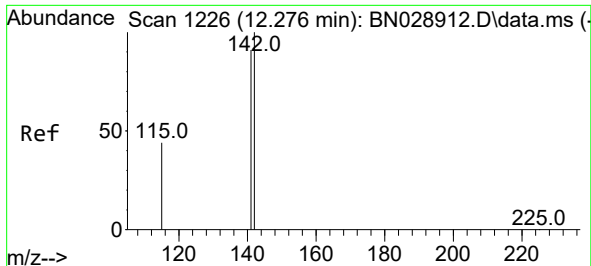
Tgt Ion:128 Resp:21399262
Ion Ratio Lower Upper
128 100
129 16.4 9.5 14.3#
127 18.5 11.0 16.4#



#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.182 min Scan# 1201
Delta R.T. -0.004 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:152 Resp: 5558
Ion Ratio Lower Upper
152 100
151 0.0 16.7 25.1#

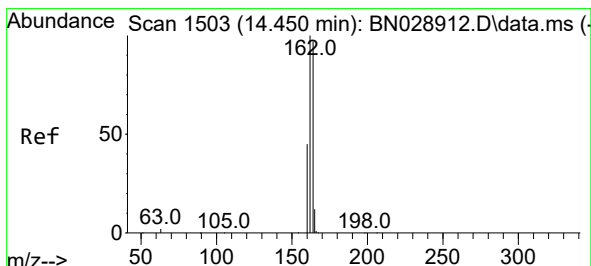
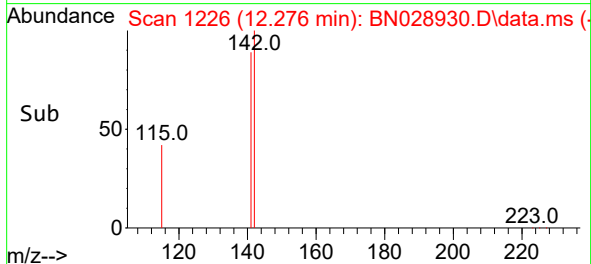
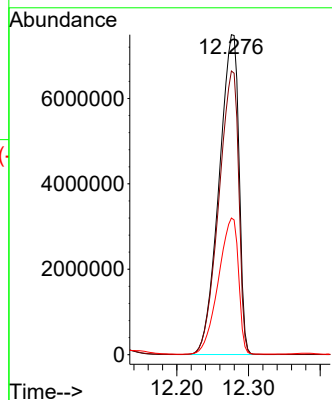
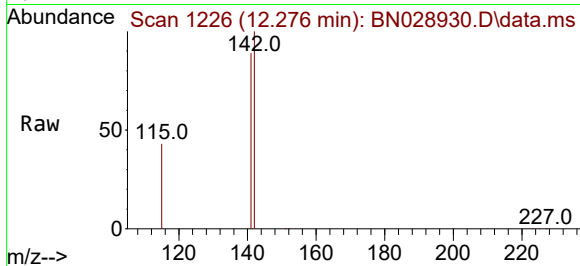




#12
2-Methylnaphthalene
Concen: 442.174 ng
RT: 12.276 min Scan# 11
Delta R.T. 0.019 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

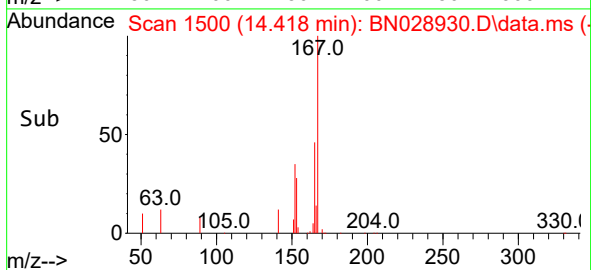
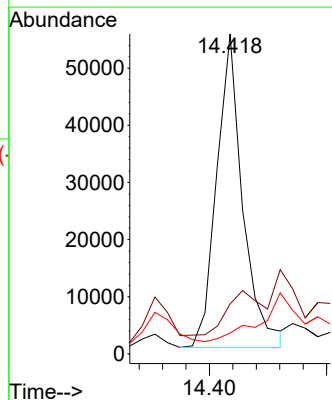
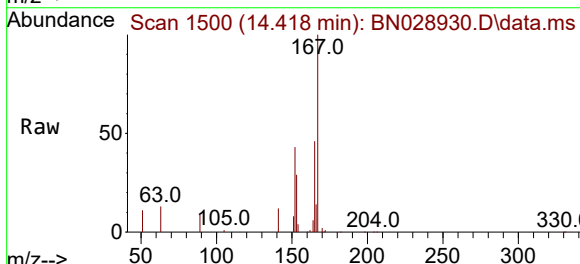
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ClientSampleId :
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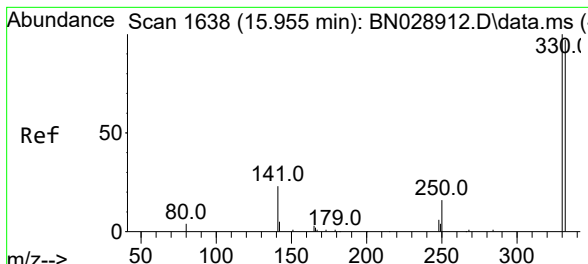
Tgt Ion:142 Resp:14374254
Ion Ratio Lower Upper
142 100
141 88.7 73.1 109.7
115 42.7 37.6 56.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 1500
Delta R.T. -0.011 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:164 Resp: 84799
Ion Ratio Lower Upper
164 100
162 15.7 81.7 122.5#
160 6.6 37.0 55.6#



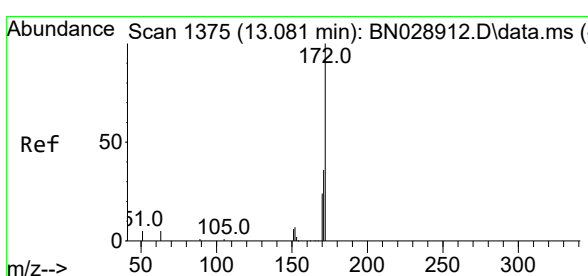
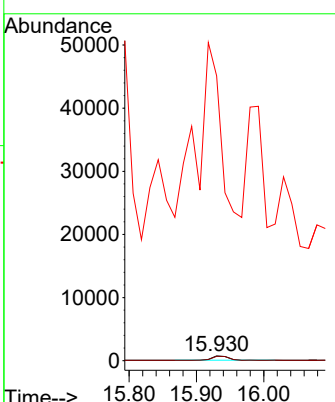
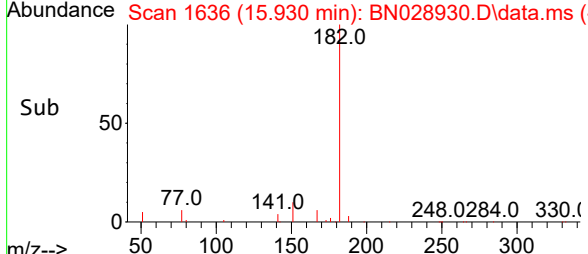
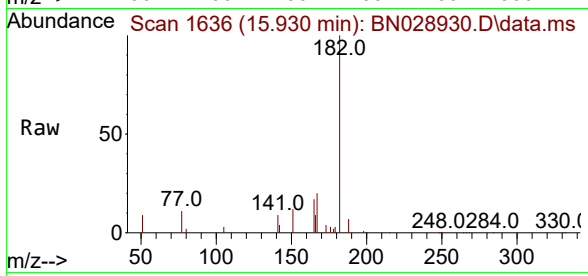


#14
 2,4,6-Tribromophenol
 Concen: 0.020 ng
 RT: 15.930 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

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Tgt Ion: 330 Resp: 1145

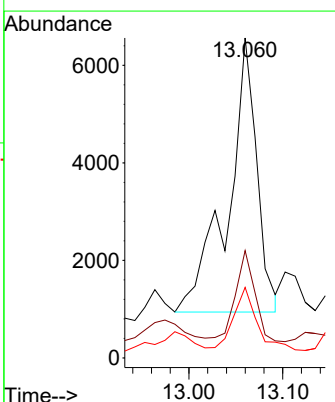
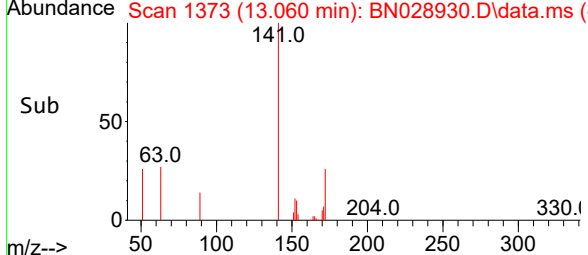
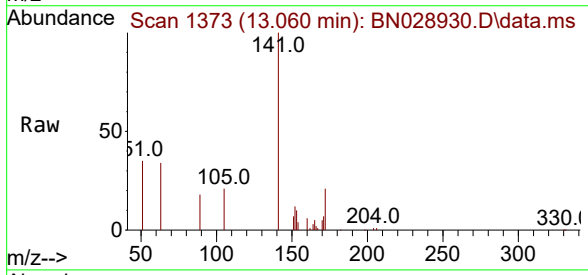
Ion	Ratio	Lower	Upper
330	100		
332	98.2	75.4	113.2
141	5657.5	35.7	53.5#

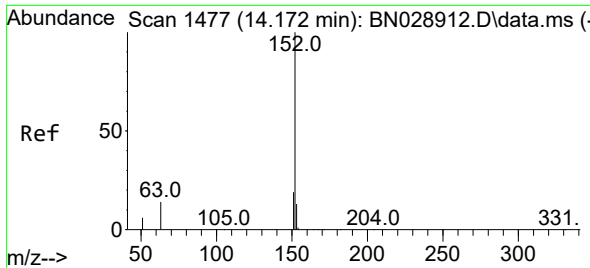


#15
 2-Fluorobiphenyl
 Concen: 0.033 ng
 RT: 13.060 min Scan# 1373
 Delta R.T. -0.011 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

Tgt Ion: 172 Resp: 12094

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.0	43.4
170	22.1	19.7	29.5

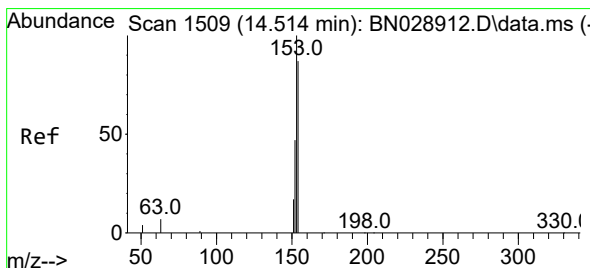
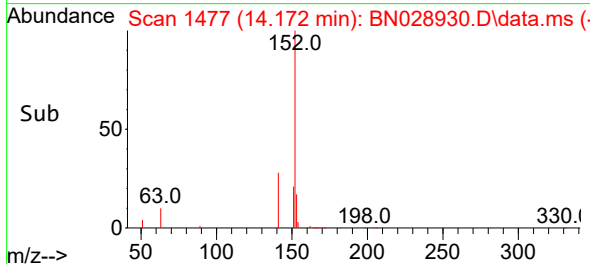
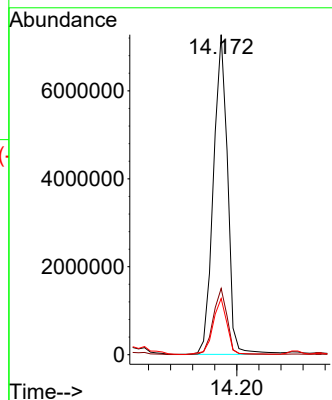
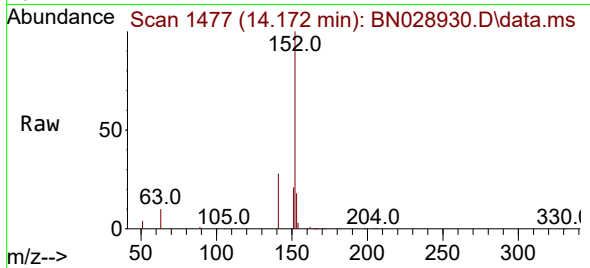




#16
Acenaphthylene
Concen: 28.973 ng
RT: 14.172 min Scan# 1477
Delta R.T. 0.021 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

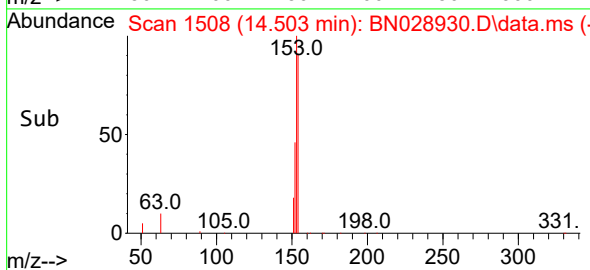
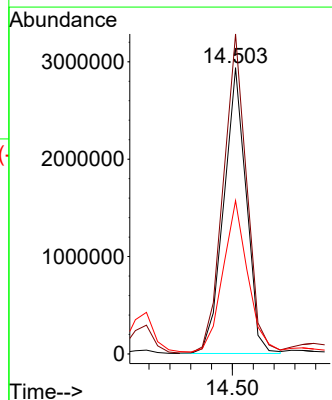
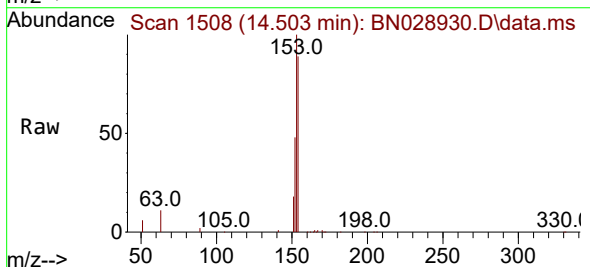
Instrument :
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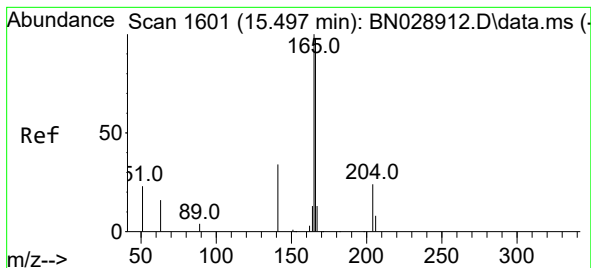
Tgt Ion:152 Resp:13015268
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 17.1 10.8 16.2#



#17
Acenaphthene
Concen: 14.756 ng
RT: 14.503 min Scan# 1508
Delta R.T. 0.011 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:154 Resp: 4399769
Ion Ratio Lower Upper
154 100
153 115.8 93.8 140.6
152 58.6 44.5 66.7





#18

Fluorene

Concen: 30.553 ng

RT: 15.508 min Scan# 1

Delta R.T. 0.021 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

Instrument :

BNA_N

ClientSampleId :

L-3(120FT)(0-5)

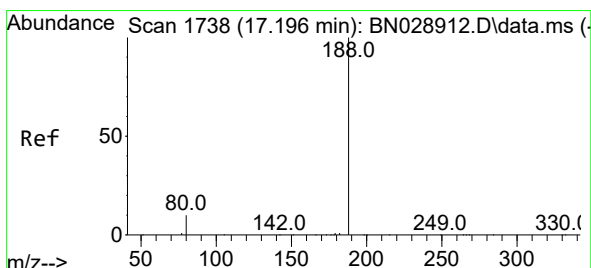
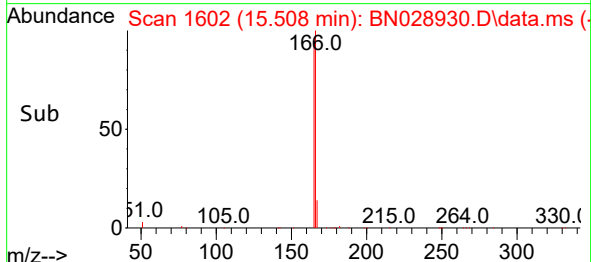
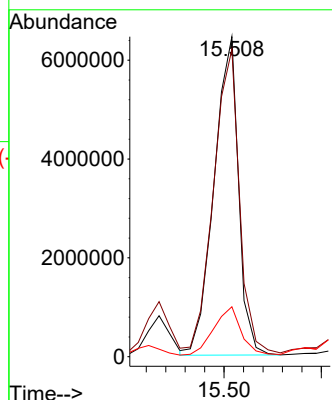
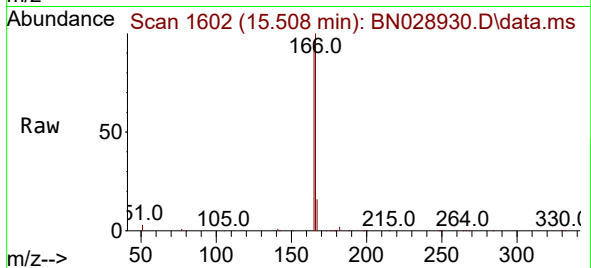
Tgt Ion:166 Resp:11532514

Ion Ratio Lower Upper

166 100

165 100.3 79.4 119.2

167 16.8 11.0 16.4#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.196 min Scan# 1738

Delta R.T. 0.012 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

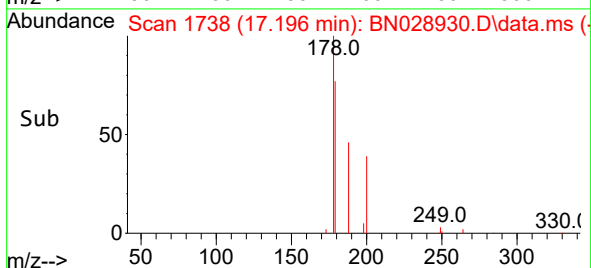
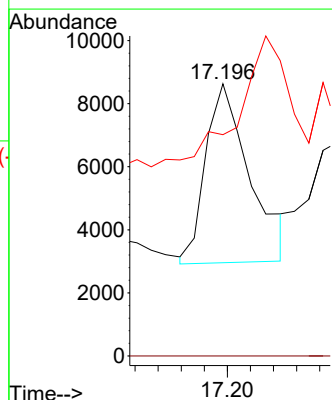
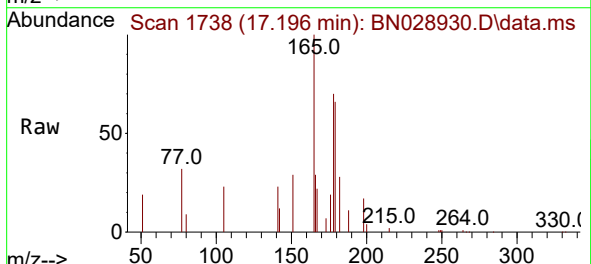
Tgt Ion:188 Resp: 15042

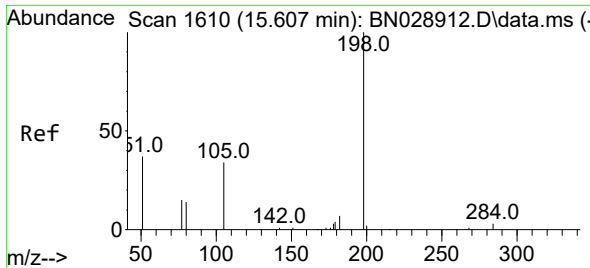
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 81.3 9.0 13.6#

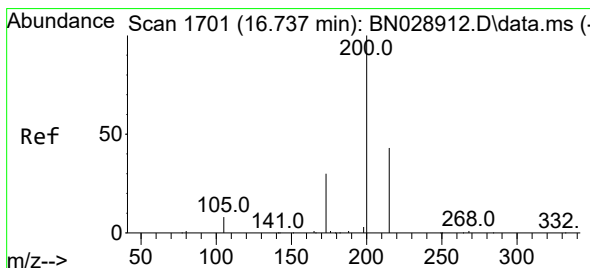
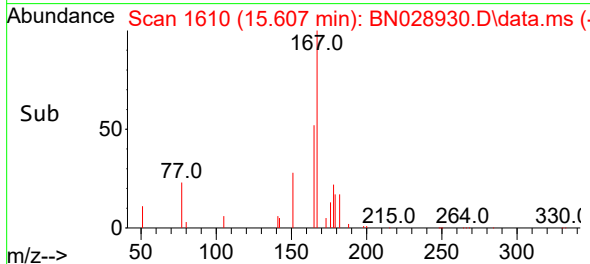
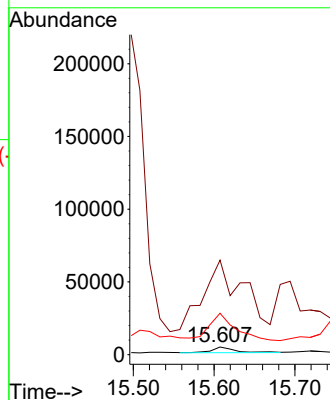
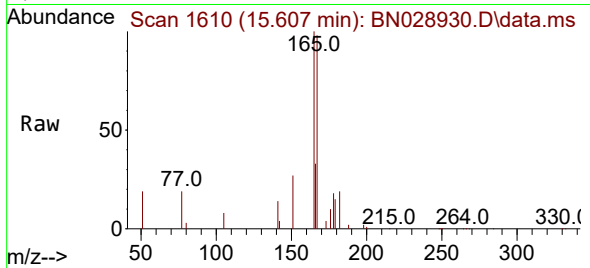




#20
4,6-Dinitro-2-methylphenol
Concen: 2.348 ng
RT: 15.607 min Scan# 1610
Delta R.T. 0.037 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

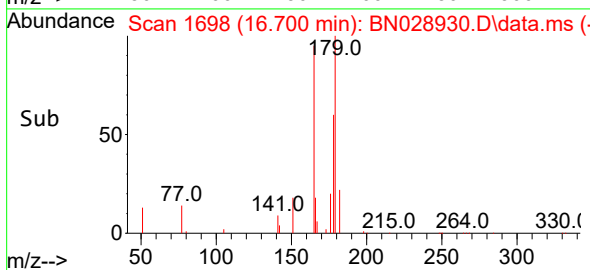
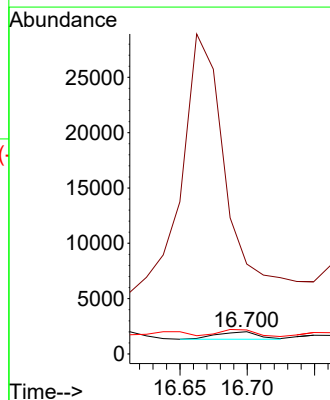
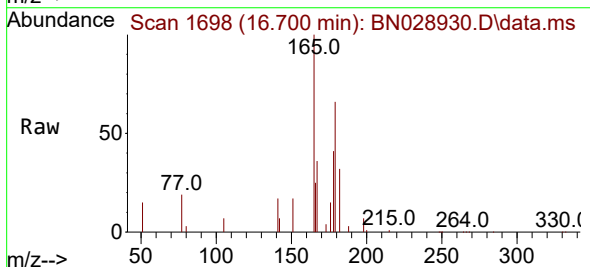
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

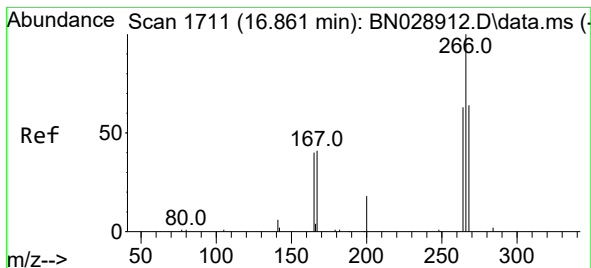
Tgt Ion:198 Resp: 7753
Ion Ratio Lower Upper
198 100
51 1234.6 76.2 114.4#
105 541.9 64.9 97.3#



#23
Atrazine
Concen: 0.160 ng
RT: 16.700 min Scan# 1698
Delta R.T. 0.012 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:200 Resp: 1454
Ion Ratio Lower Upper
200 100
173 405.1 26.2 39.4#
215 107.8 35.8 53.6#





#24

Pentachlorophenol

Concen: 0.112 ng

RT: 16.861 min Scan# 1

Delta R.T. 0.025 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

Instrument :

BNA_N

ClientSampleId :

L-3(120FT)(0-5)

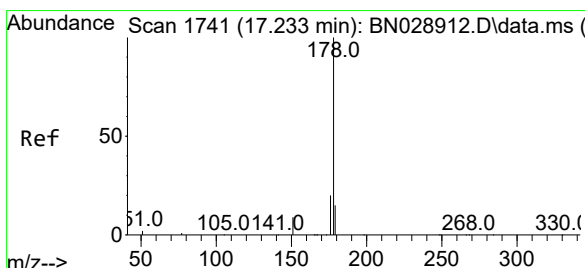
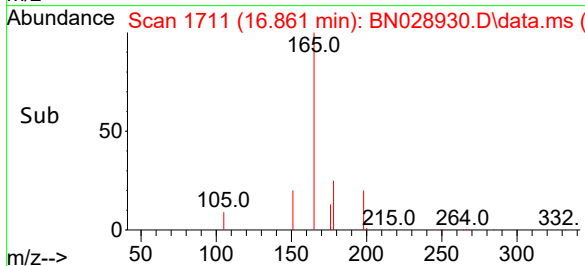
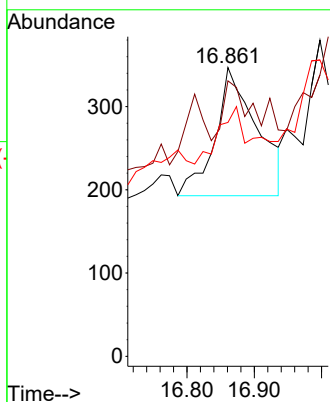
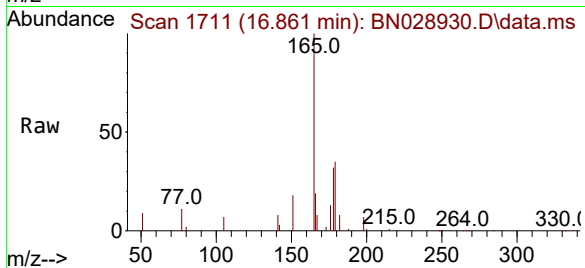
Tgt Ion:266 Resp: 661

Ion Ratio Lower Upper

266 100

264 43.0 50.7 76.1#

268 28.0 54.9 82.3#



#25

Phenanthrene

Concen: 275.922 ng

RT: 17.345 min Scan# 1750

Delta R.T. 0.124 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

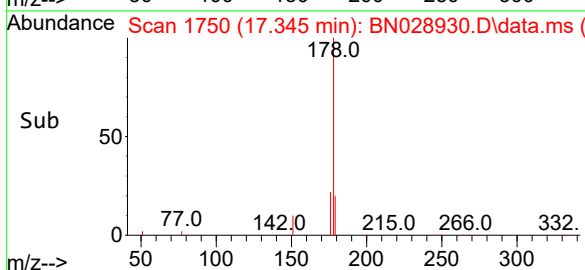
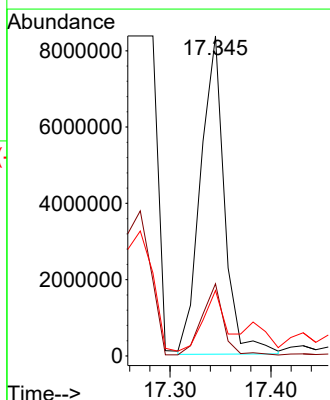
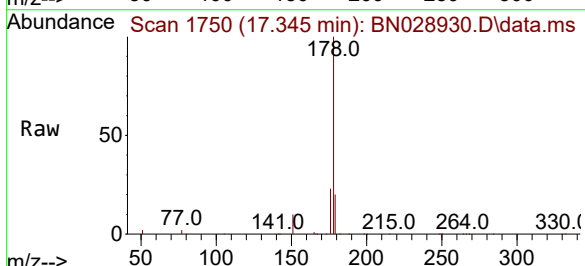
Tgt Ion:178 Resp:13703793

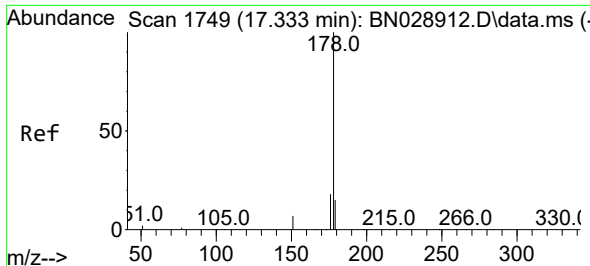
Ion Ratio Lower Upper

178 100

176 20.1 16.4 24.6

179 18.8 14.1 21.1

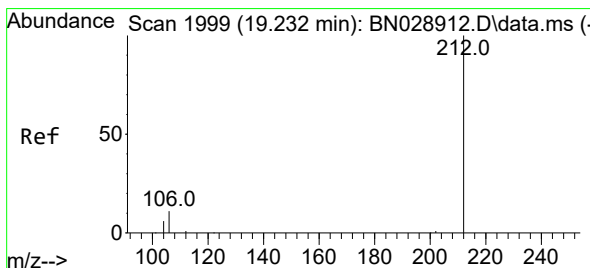
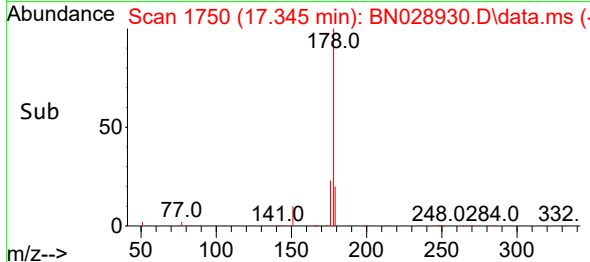
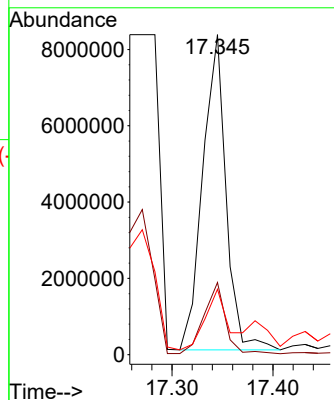
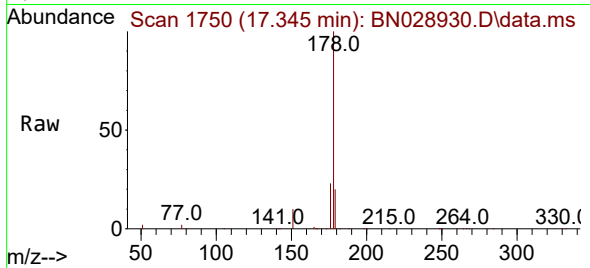




#26
 Anthracene
 Concen: 288.501 ng
 RT: 17.345 min Scan# 11
 Delta R.T. 0.037 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

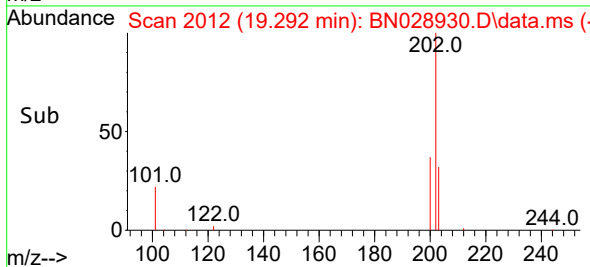
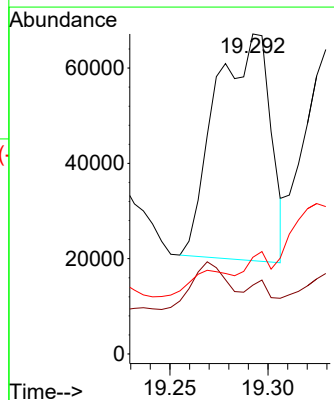
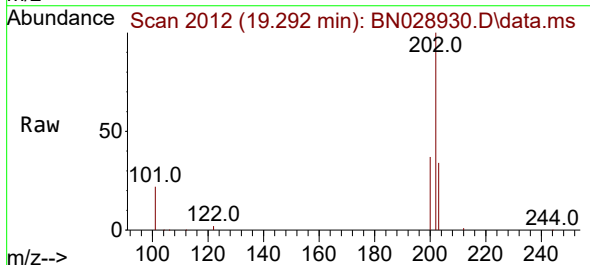
Instrument :
 BNA_N
 ClientSampleId :
 L-3(120FT)(0-5)

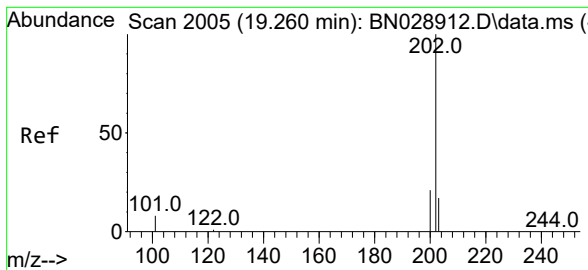
Tgt Ion:178 Resp:13244193
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.2 22.8
 179 19.4 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 2.331 ng
 RT: 19.292 min Scan# 2012
 Delta R.T. 0.079 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

Tgt Ion:212 Resp: 92209
 Ion Ratio Lower Upper
 212 100
 106 3.3 9.4 14.2#
 104 10.0 6.2 9.2#

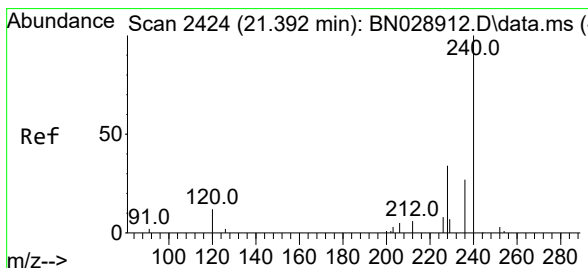
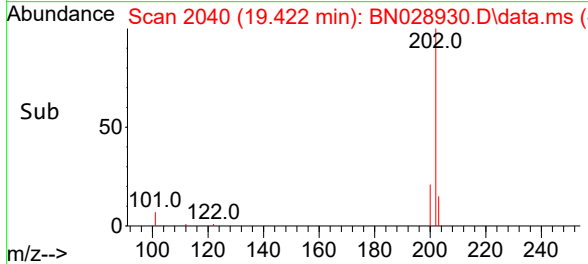
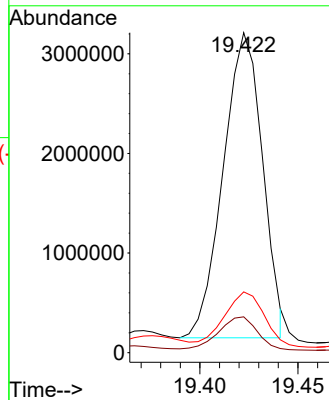
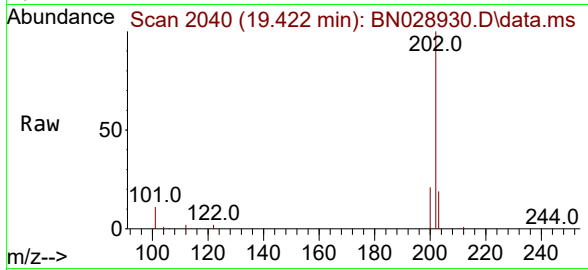




#28
Fluoranthene
Concen: 82.493 ng
RT: 19.422 min Scan# 2005
Delta R.T. 0.177 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

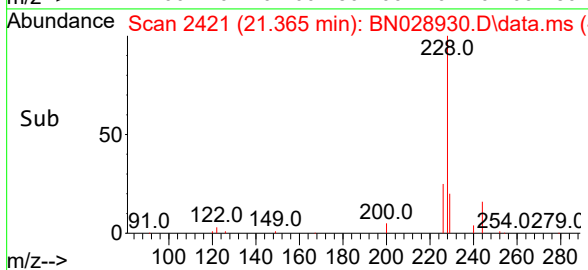
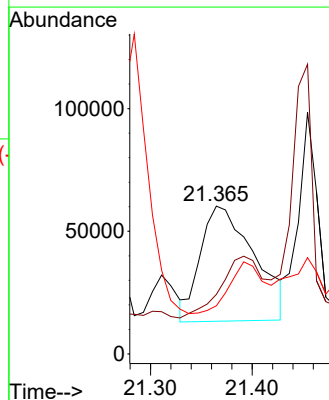
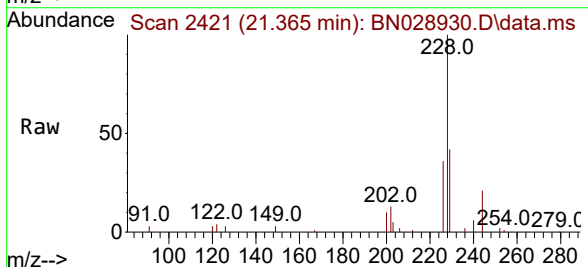
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

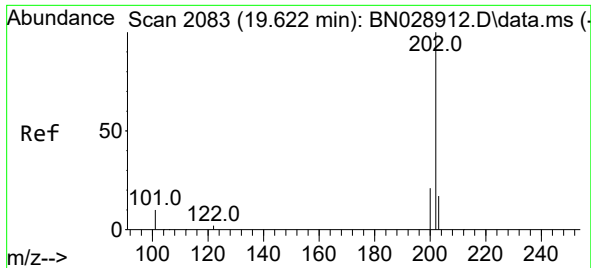
Tgt Ion:202 Resp: 4260431
Ion Ratio Lower Upper
202 100
101 9.8 7.3 10.9
203 15.2 14.1 21.1



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.365 min Scan# 2421
Delta R.T. -0.009 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:240 Resp: 172062
Ion Ratio Lower Upper
240 100
120 40.3 37.1 55.7
236 32.6 32.4 48.6

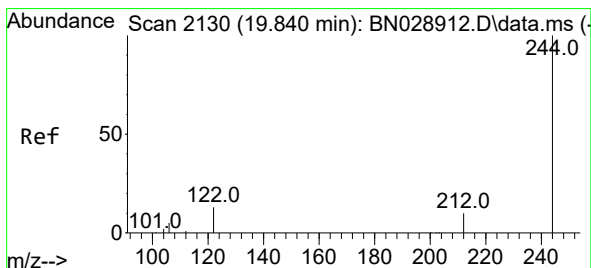
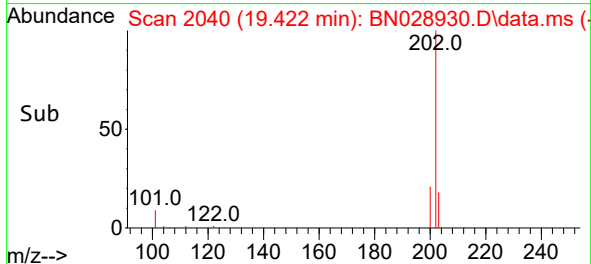
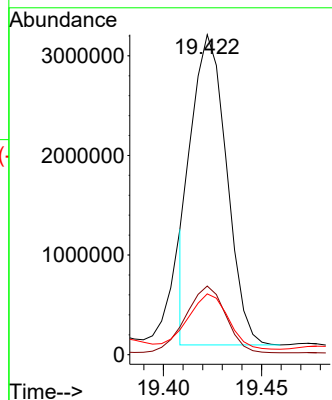
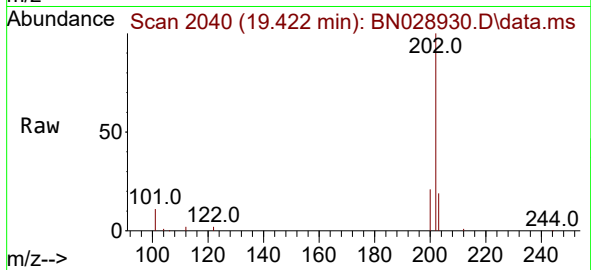




#30
Pyrene
Concen: 3.044 ng
RT: 19.422 min Scan# 2083
Delta R.T. -0.186 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

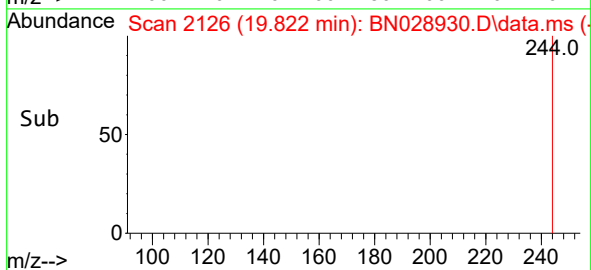
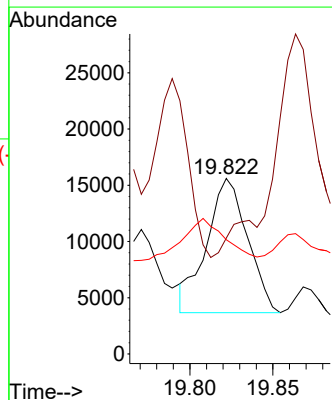
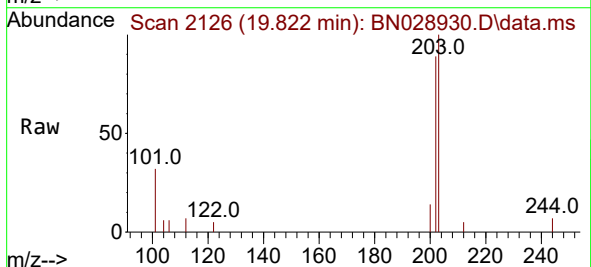
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

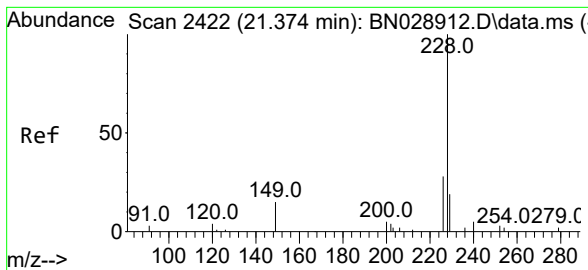
Tgt Ion:202 Resp: 3882629
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 18.1 14.8 22.2



#31
Terphenyl-d14
Concen: 0.173 ng
RT: 19.822 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

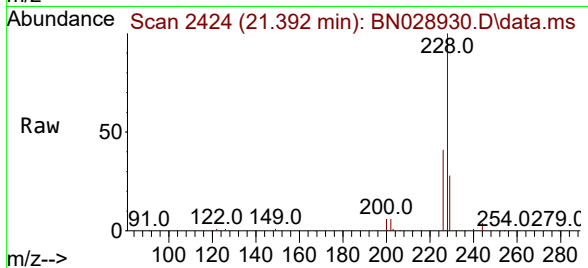
Tgt Ion:244 Resp: 20394
Ion Ratio Lower Upper
244 100
212 66.0 11.5 17.3#
122 65.1 13.2 19.8#



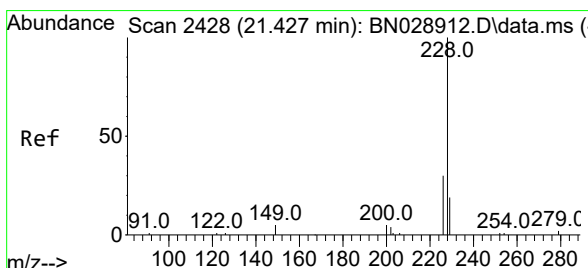
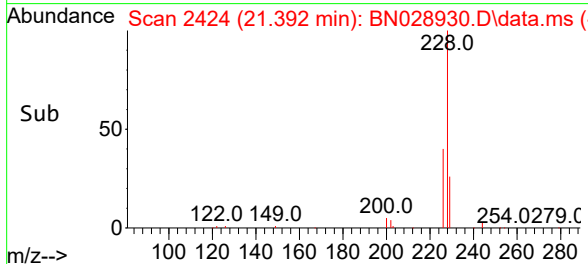
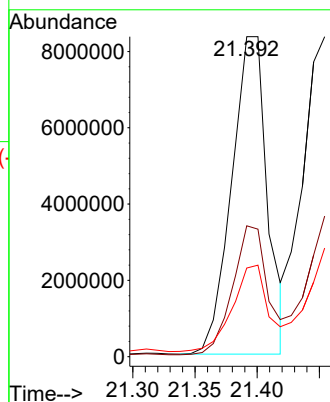


#32
Benzo(a)anthracene
Concen: 22.784 ng
RT: 21.392 min Scan# 2424
Delta R.T. 0.036 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

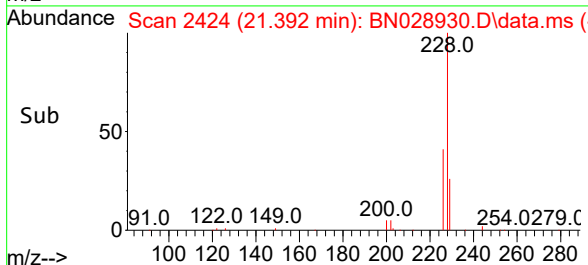
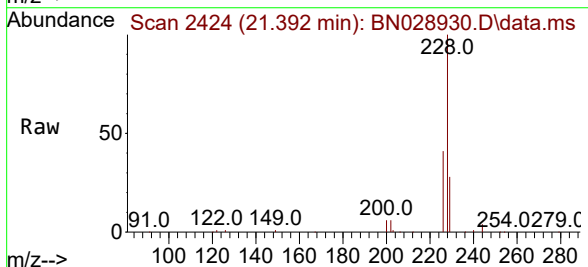
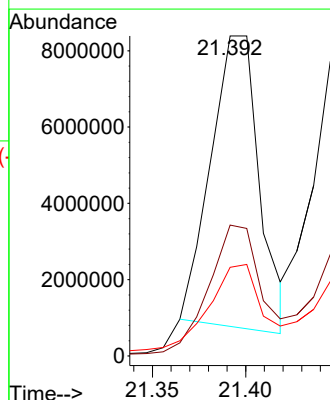


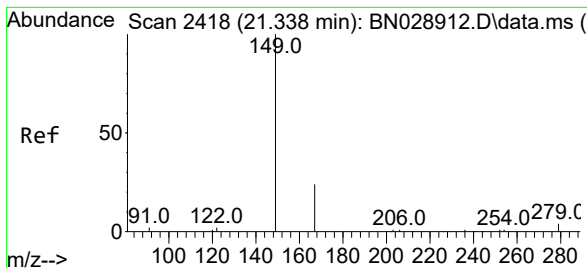
Tgt Ion:228 Resp:16668428
Ion Ratio Lower Upper
228 100
226 40.9 26.5 39.7#
229 27.7 16.4 24.6#



#33
Chrysene
Concen: 19.233 ng
RT: 21.392 min Scan# 2424
Delta R.T. -0.018 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:228 Resp:13814745
Ion Ratio Lower Upper
228 100
226 40.9 28.3 42.5
229 27.7 16.4 24.6#

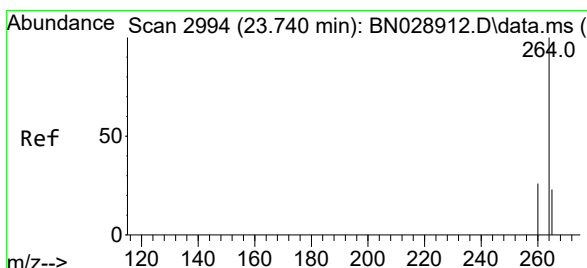
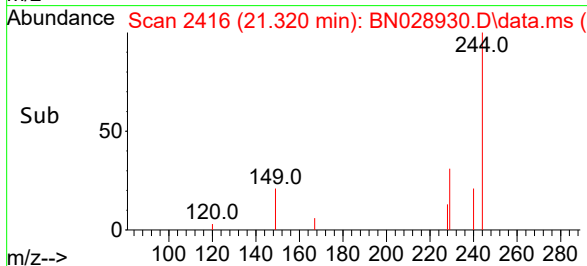
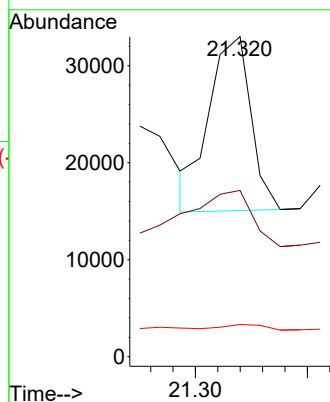
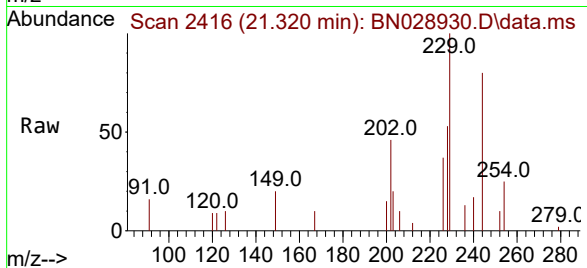




#34
 Bis(2-ethylhexyl)phthalate
 Concen: Below Cal
 RT: 21.320 min Scan# 2416
 Delta R.T. 0.009 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

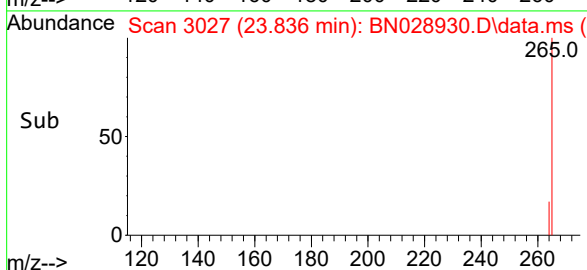
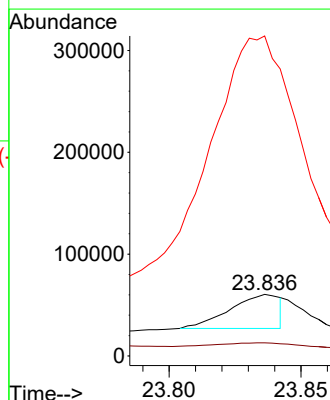
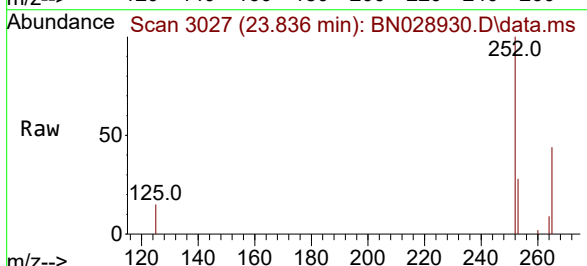
Instrument :
 BNA_N
 ClientSampleId :
 L-3(120FT)(0-5)

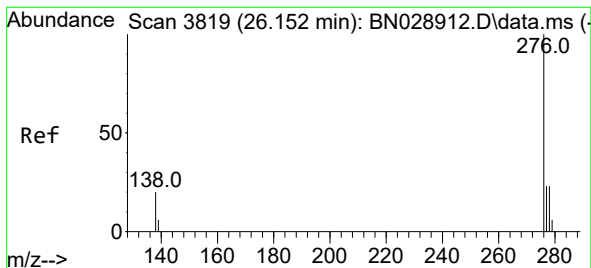
Tgt Ion:149 Resp: 23242
 Ion Ratio Lower Upper
 149 100
 167 49.4 14.9 22.3#
 279 3.1 6.3 9.5#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.836 min Scan# 3027
 Delta R.T. 0.123 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

Tgt Ion:264 Resp: 43985
 Ion Ratio Lower Upper
 264 100
 260 21.3 20.6 30.8
 265 519.6 464.5 696.7





#36

Indeno(1,2,3-cd)pyrene

Concen: 26.855 ng

RT: 26.242 min Scan# 3819

Delta R.T. 0.132 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

Instrument :

BNA_N

ClientSampleId :

L-3(120FT)(0-5)

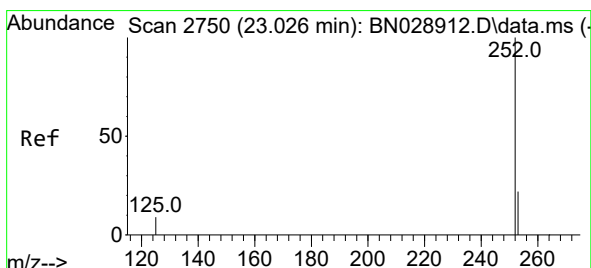
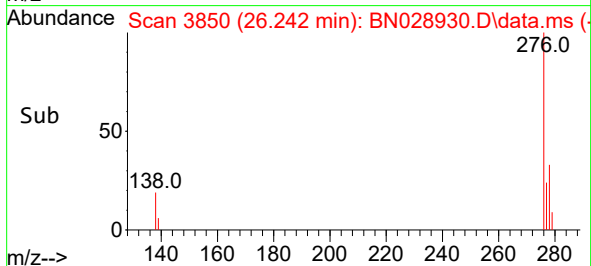
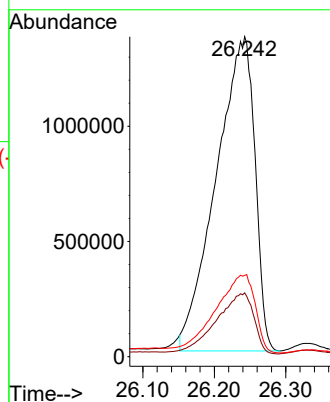
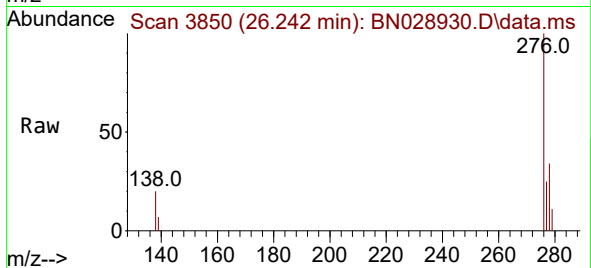
Tgt Ion:276 Resp: 5147032

Ion Ratio Lower Upper

276 100

138 18.7 20.9 31.3#

277 25.4 20.2 30.4



#37

Benzo(b)fluoranthene

Concen: 72.537 ng

RT: 23.070 min Scan# 2765

Delta R.T. 0.067 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

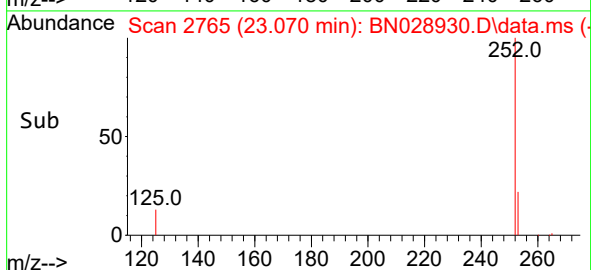
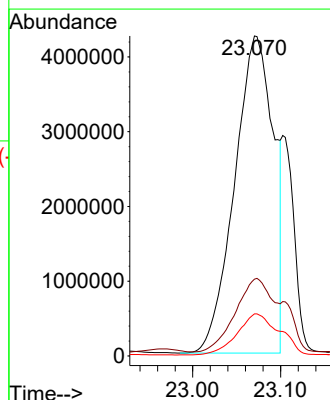
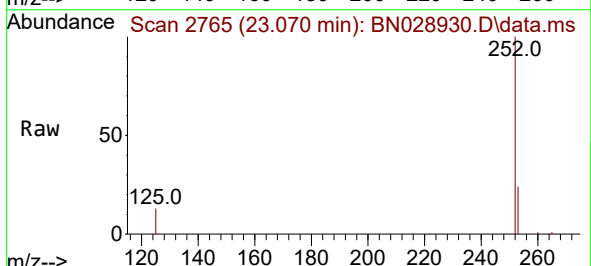
Tgt Ion:252 Resp:13052943

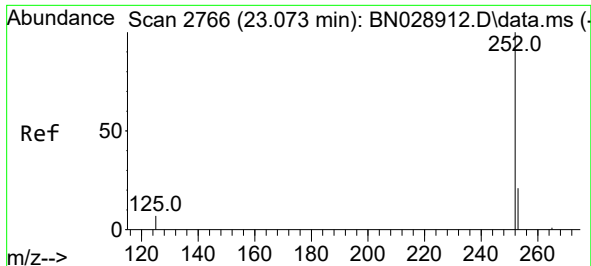
Ion Ratio Lower Upper

252 100

253 24.0 94.5 141.7#

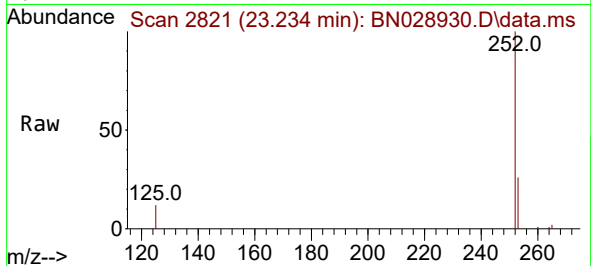
125 13.2 23.8 35.8#



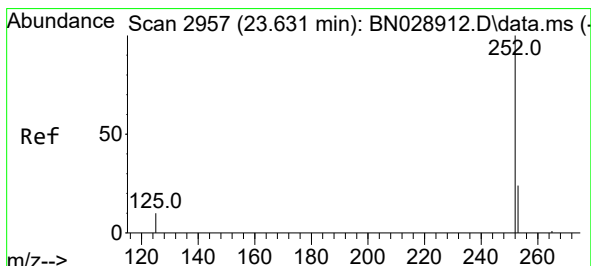
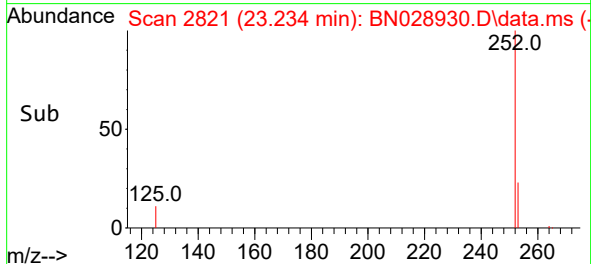
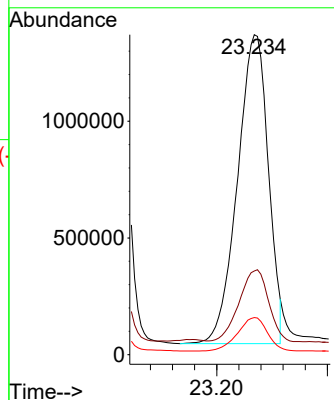


#38
Benzo(k)fluoranthene
Concen: 15.041 ng
RT: 23.234 min Scan# 21
Delta R.T. 0.184 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

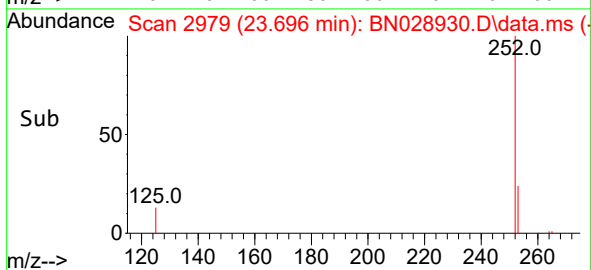
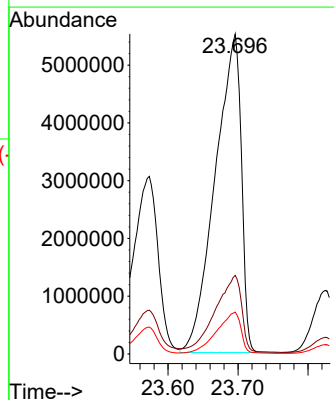
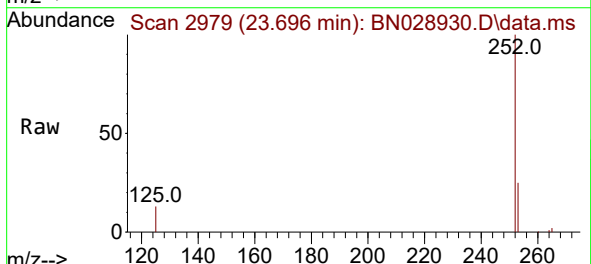


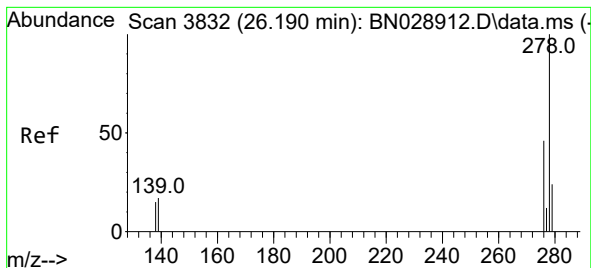
Tgt Ion:252 Resp: 2553619
Ion Ratio Lower Upper
252 100
253 26.1 95.2 142.8#
125 11.6 24.3 36.5#



#39
Benzo(a)pyrene
Concen: 88.573 ng
RT: 23.696 min Scan# 2979
Delta R.T. 0.091 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:252 Resp:14235523
Ion Ratio Lower Upper
252 100
253 24.5 110.2 165.4#
125 13.1 27.0 40.4#





#40

Dibenzo(a,h)anthracene

Concen: 10.464 ng

RT: 26.239 min Scan# 3849

Delta R.T. 0.099 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

Instrument :

BNA_N

ClientSampleId :

L-3(120FT)(0-5)

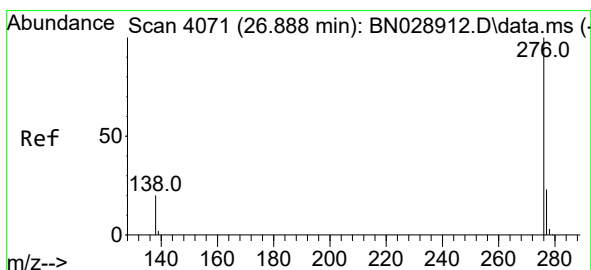
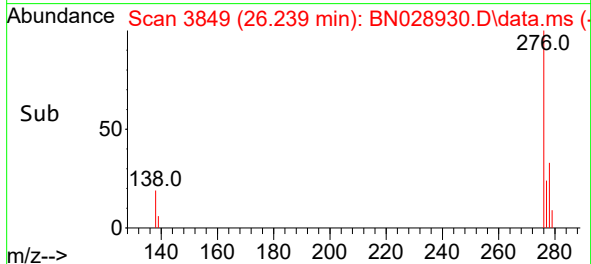
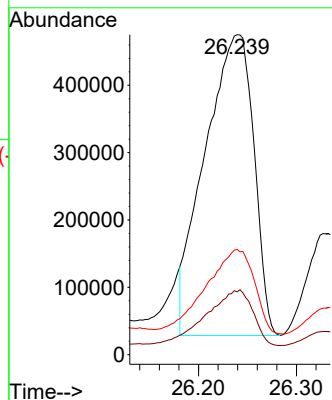
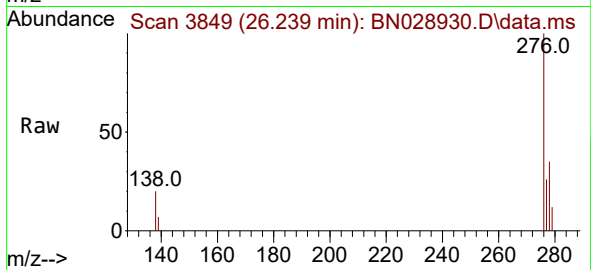
Tgt Ion:278 Resp: 1552125

Ion Ratio Lower Upper

278 100

139 19.6 22.6 33.8#

279 32.9 102.6 153.8#



#41

Benzo(g,h,i)perylene

Concen: 34.144 ng

RT: 27.008 min Scan# 4112

Delta R.T. 0.167 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

Tgt Ion:276 Resp: 5696528

Ion Ratio Lower Upper

276 100

277 25.6 28.9 43.3#

138 19.0 36.2 54.2#

