

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028929.D
 Acq On : 01 Dec 2023 02:58
 Operator : MA/JU
 Sample : 05253-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-6(0-5)

Quant Time: Dec 01 04:32:28 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)

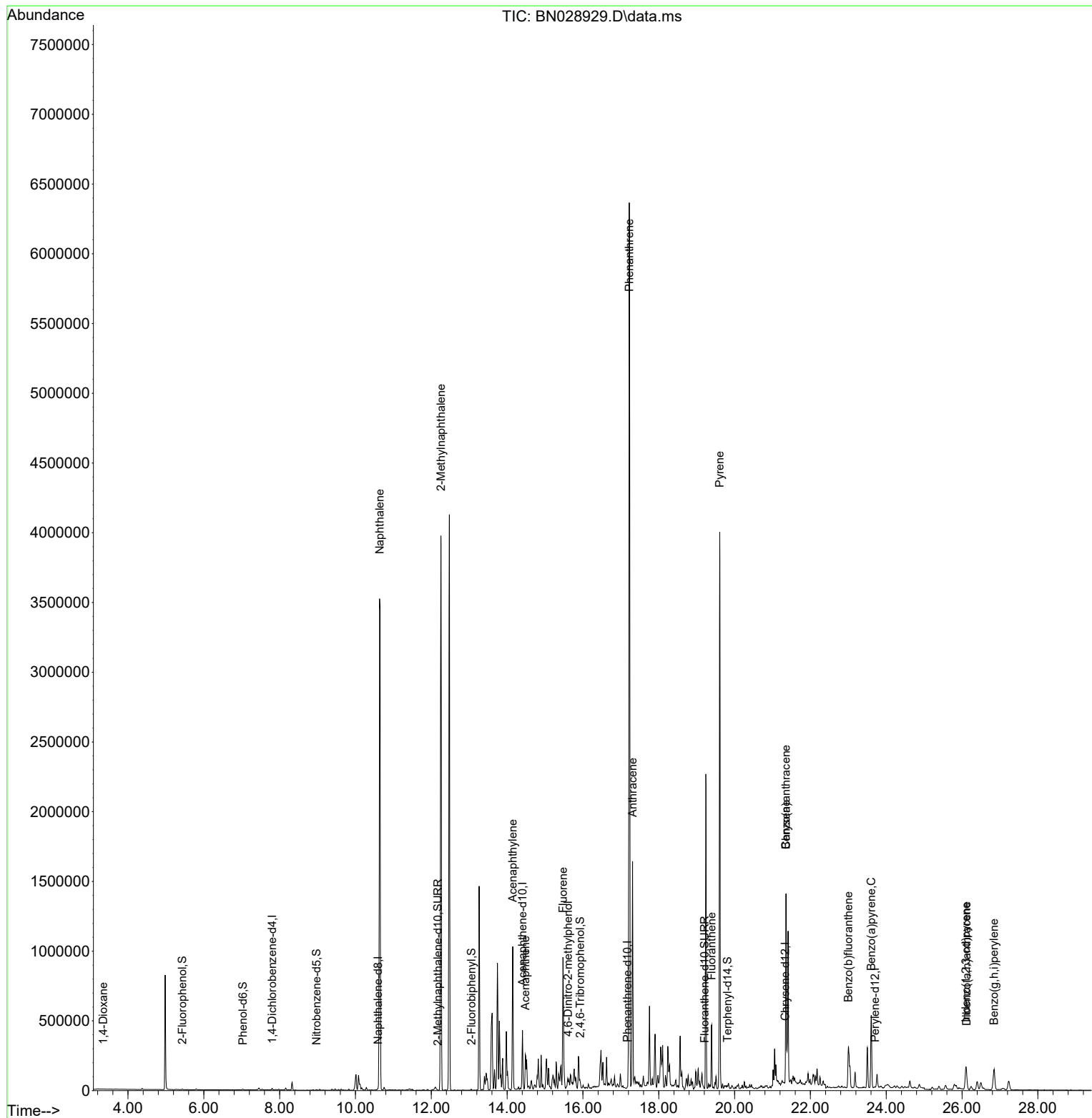
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	4688	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	13892	0.400	ng	# 0.00
13) Acenaphthene-d10	14.407	164	18134	0.400	ng	#-0.02
19) Phenanthrene-d10	17.171	188	13610	0.400	ng	#-0.01
29) Chrysene-d12	21.338	240	5562	0.400	ng	-0.04
35) Perylene-d12	23.705	264	9292	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	3001	0.211	ng	-0.01
5) Phenol-d6	7.031	99	3262	0.207	ng	-0.01
8) Nitrobenzene-d5	8.971	82	2261	0.164	ng	-0.01
11) 2-Methylnaphthalene-d10	12.174	152	4305	0.193	ng	-0.01
14) 2,4,6-Tribromophenol	15.930	330	652	0.053	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	5239	0.067	ng	-0.01
27) Fluoranthene-d10	19.213	212	6503	0.182	ng	0.00
31) Terphenyl-d14	19.817	244	5319	0.359	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.348	88	146	0.032	ng	# 1
9) Naphthalene	10.637	128	4839508	109.625	ng	99
12) 2-Methylnaphthalene	12.253	142	2702538	97.425	ng	98
16) Acenaphthylene	14.150	152	863679	8.991	ng	97
17) Acenaphthene	14.482	154	134013	2.102	ng	# 79
18) Fluorene	15.476	166	603002	7.471	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.607	198	176	0.059	ng	# 1
25) Phenanthrene	17.221	178	6976226	155.243	ng	97
26) Anthracene	17.308	178	1552713	37.382	ng	99
28) Fluoranthene	19.394	202	378457	8.099	ng	97
30) Pyrene	19.608	202	3545105	83.404	ng	99
32) Benzo(a)anthracene	21.356	228	1059202	44.789	ng	98
33) Chrysene	21.356	228	856427	36.885	ng	98
34) Bis(2-ethylhexyl)phtha...	21.257	149	1910	Below Cal		# 68
36) Indeno(1,2,3-cd)pyrene	26.102	276	283501	7.002	ng	# 91
37) Benzo(b)fluoranthene	23.003	252	598889	15.754	ng	# 24
39) Benzo(a)pyrene	23.605	252	741611	21.842	ng	# 15
40) Dibenzo(a,h)anthracene	26.117	278	94532	3.017	ng	# 27
41) Benzo(g,h,i)perylene	26.845	276	336474	9.547	ng	# 67

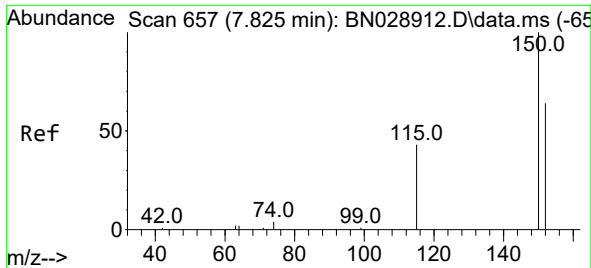
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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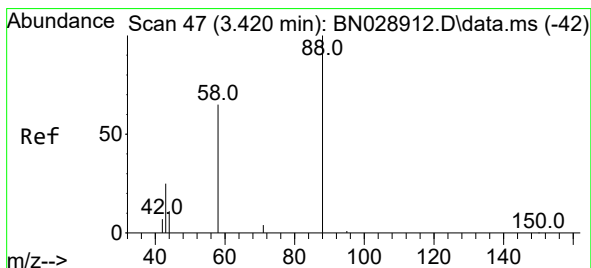
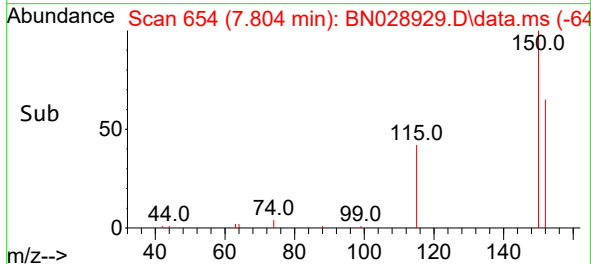
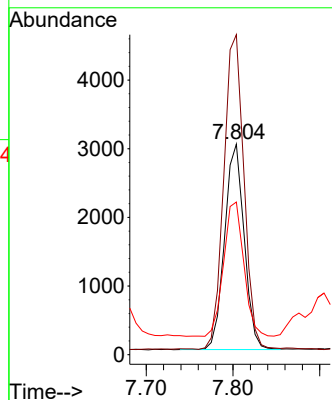
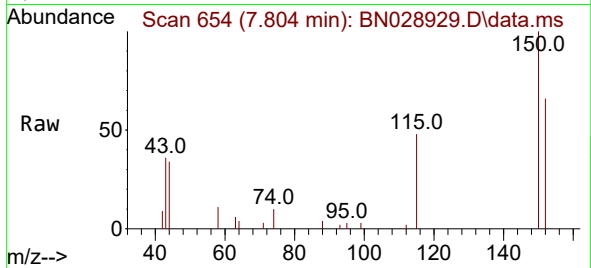




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

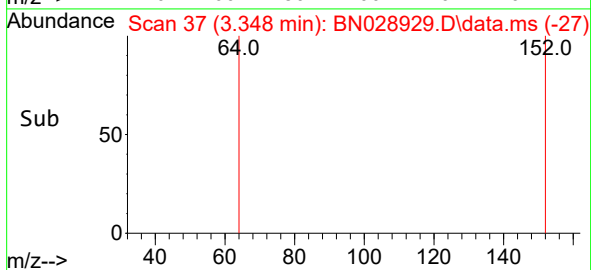
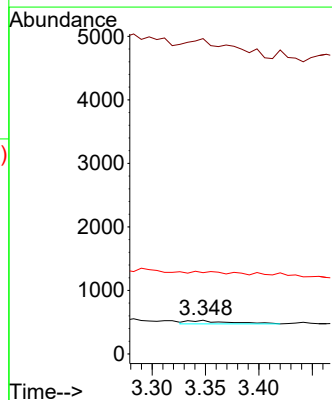
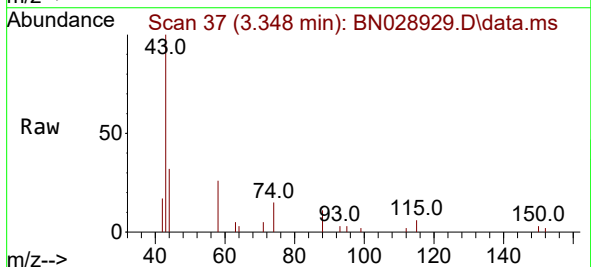
Instrument :
 BNA_N
 ClientSampleId :
 L-6(0-5)

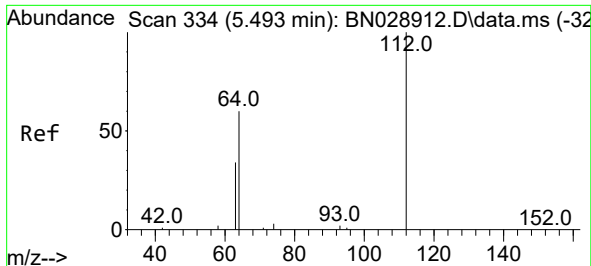
Tgt Ion:152 Resp: 4688
 Ion Ratio Lower Upper
 152 100
 150 152.0 123.4 185.2
 115 72.5 59.1 88.7



#2
 1,4-Dioxane
 Concen: 0.032 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.029 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Tgt Ion: 88 Resp: 146
 Ion Ratio Lower Upper
 88 100
 43 612.3 29.9 44.9#
 58 0.0 55.0 82.4#





#4

2-Fluorophenol

Concen: 0.211 ng

RT: 5.435 min Scan# 31

Delta R.T. -0.014 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)

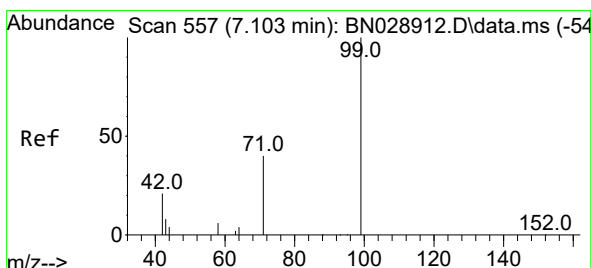
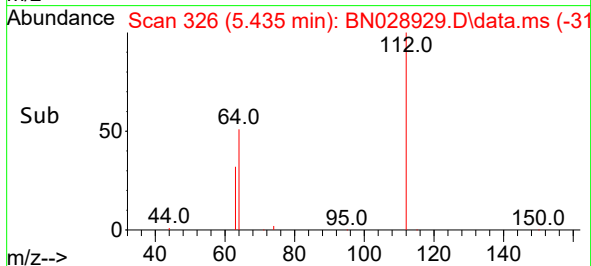
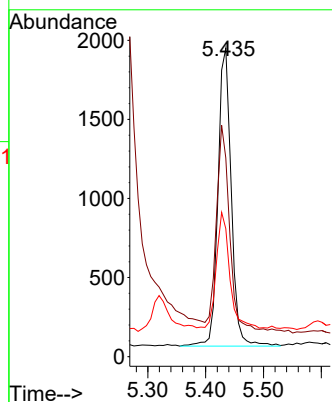
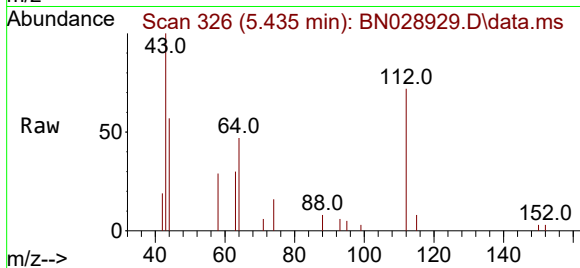
Tgt Ion:112 Resp: 3001

Ion Ratio Lower Upper

112 100

64 70.2 51.5 77.3

63 38.4 30.4 45.6



#5

Phenol-d6

Concen: 0.207 ng

RT: 7.031 min Scan# 547

Delta R.T. -0.014 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

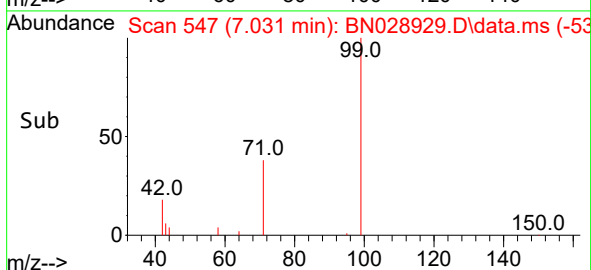
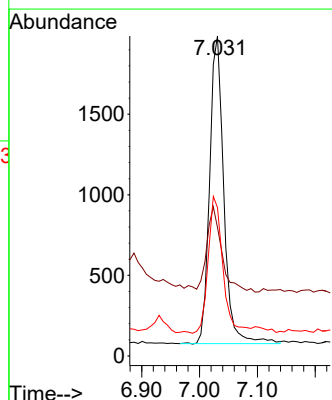
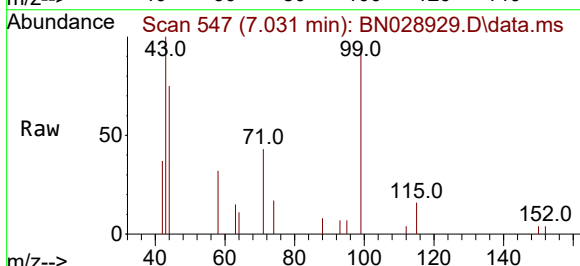
Tgt Ion: 99 Resp: 3262

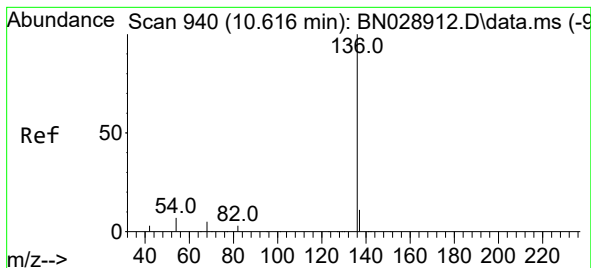
Ion Ratio Lower Upper

99 100

42 29.1 21.2 31.8

71 46.0 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: BN028929.D

Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)

Tgt Ion:136 Resp: 13892

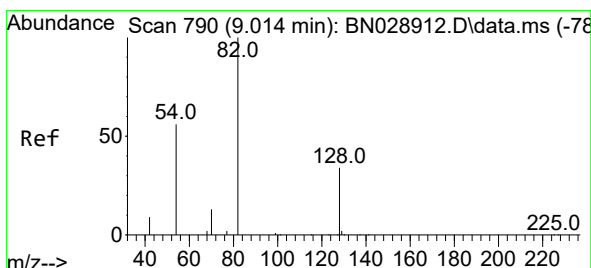
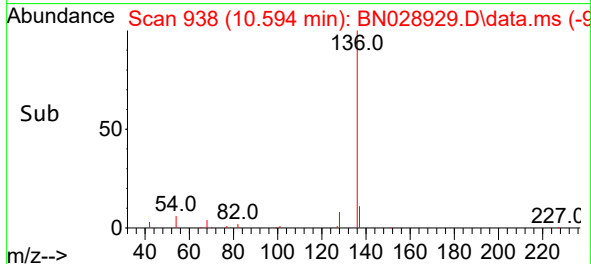
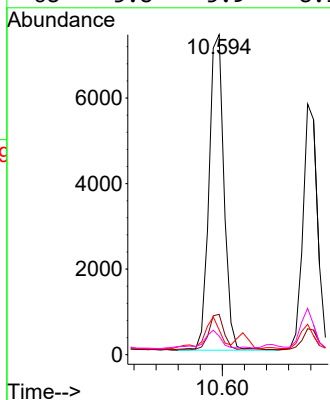
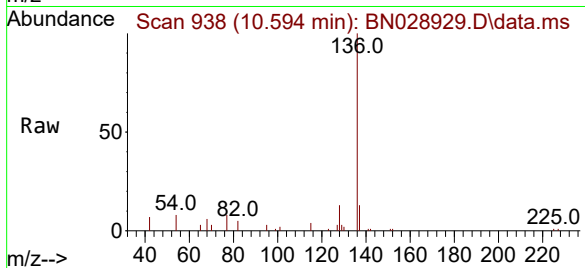
Ion Ratio Lower Upper

136 100

137 12.6 10.6 16.0

54 7.8 7.5 11.3

68 5.8 5.9 8.9#



#8

Nitrobenzene-d5

Concen: 0.164 ng

RT: 8.971 min Scan# 786

Delta R.T. -0.011 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

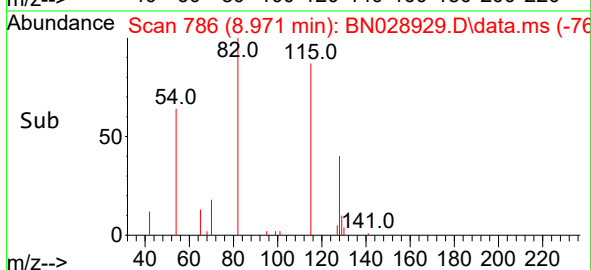
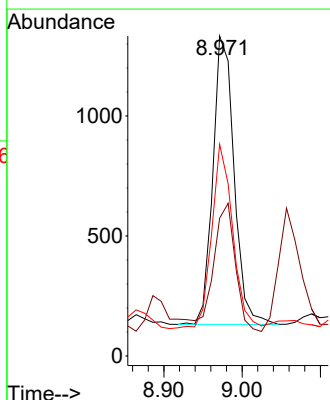
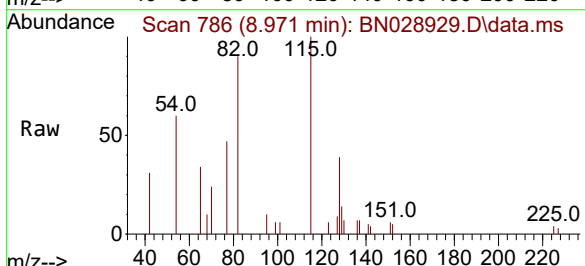
Tgt Ion: 82 Resp: 2261

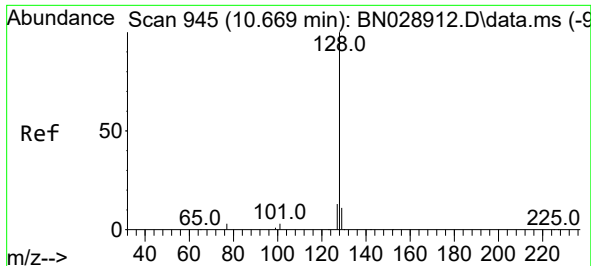
Ion Ratio Lower Upper

82 100

128 43.1 29.2 43.8

54 66.2 47.0 70.6

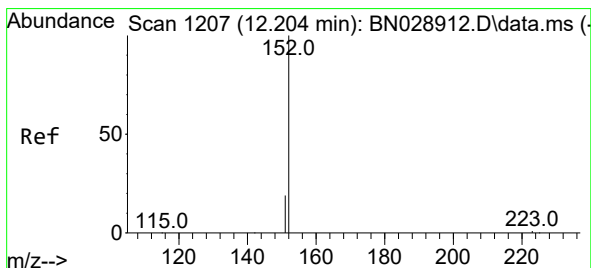
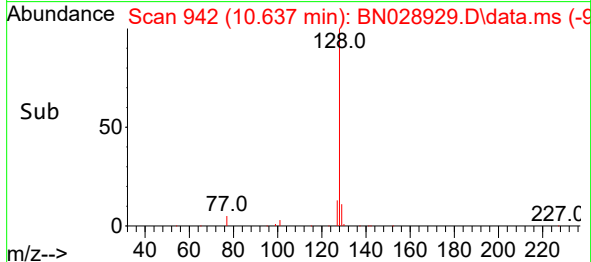
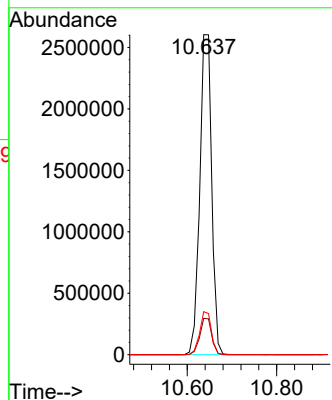
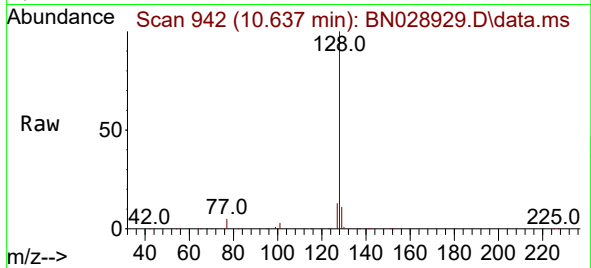




#9
Naphthalene
Concen: 109.625 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

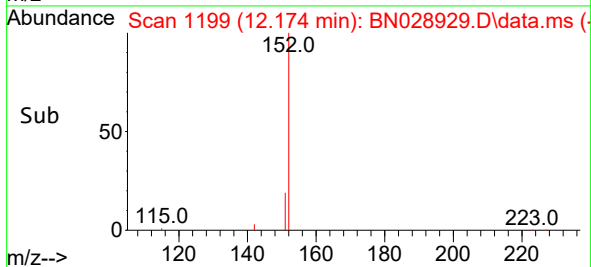
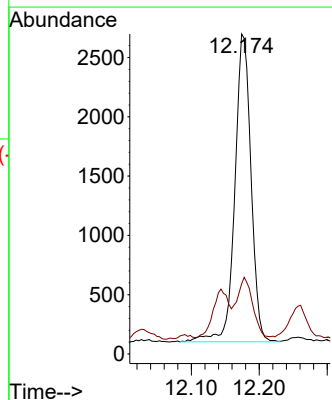
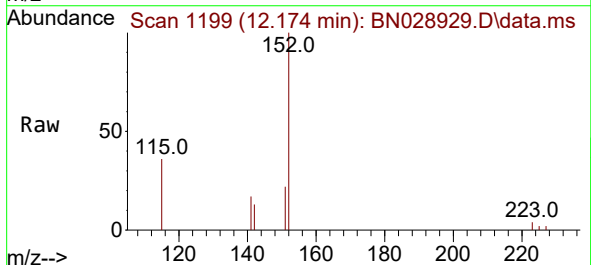
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

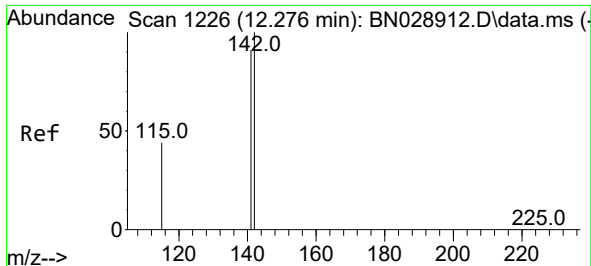
Tgt Ion:128 Resp: 4839508
Ion Ratio Lower Upper
128 100
129 11.3 9.5 14.3
127 13.4 11.0 16.4



#11
2-Methylnaphthalene-d10
Concen: 0.193 ng
RT: 12.174 min Scan# 1199
Delta R.T. -0.011 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:152 Resp: 4305
Ion Ratio Lower Upper
152 100
151 19.2 16.7 25.1

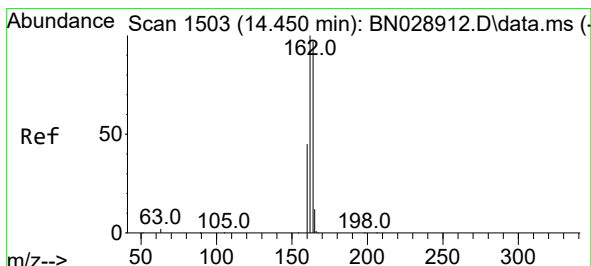
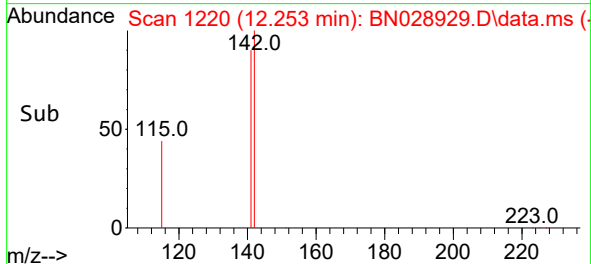
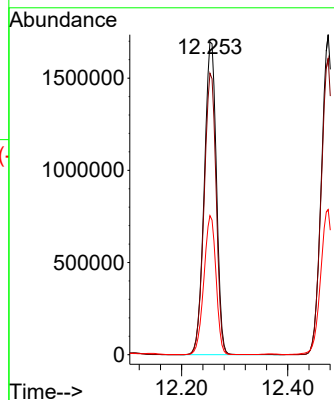
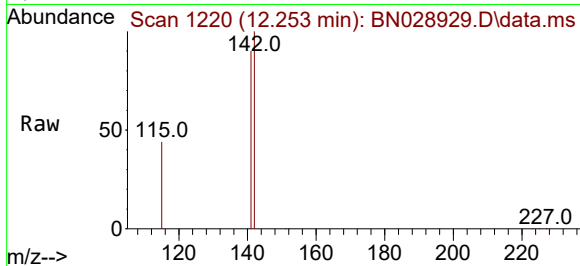




#12
2-Methylnaphthalene
Concen: 97.425 ng
RT: 12.253 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

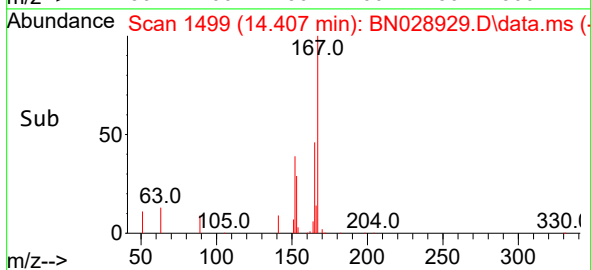
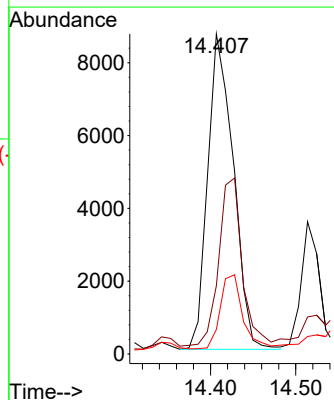
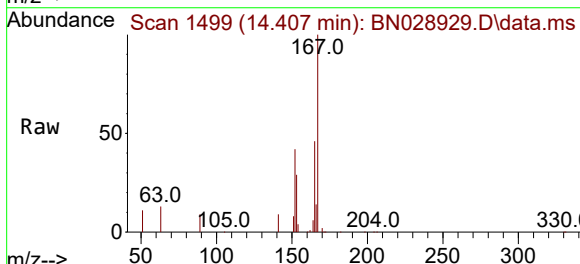
Instrument :
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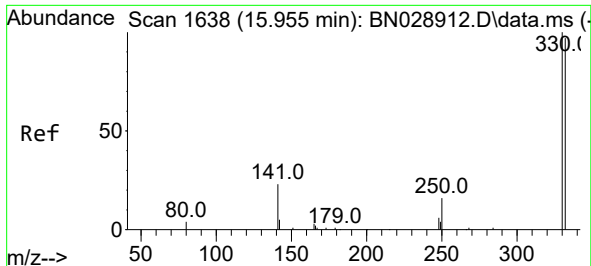
Tgt Ion:142 Resp: 2702538
Ion Ratio Lower Upper
142 100
141 90.0 73.1 109.7
115 44.4 37.6 56.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.407 min Scan# 1499
Delta R.T. -0.021 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:164 Resp: 18134
Ion Ratio Lower Upper
164 100
162 21.3 81.7 122.5#
160 7.7 37.0 55.6#

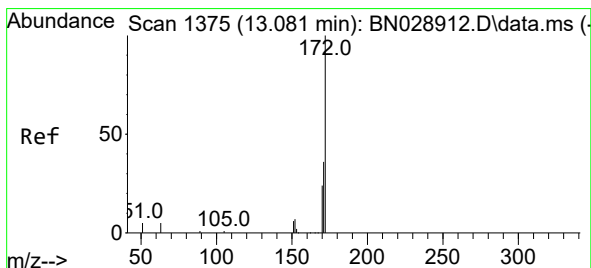
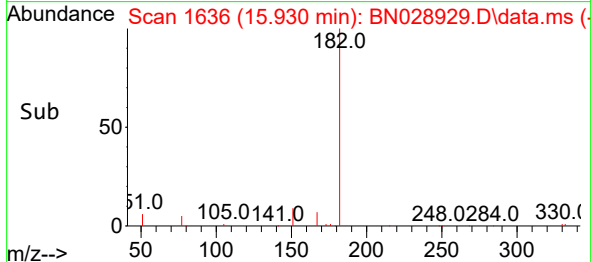
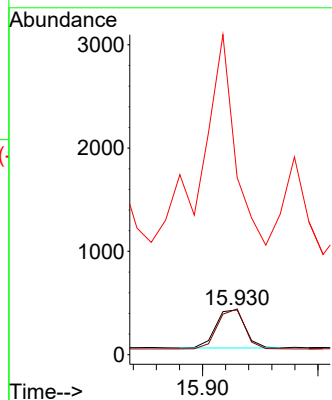
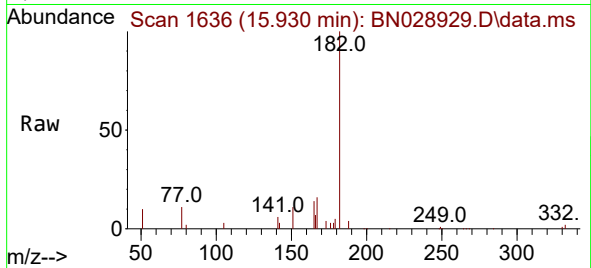




#14
2,4,6-Tribromophenol
Concen: 0.053 ng
RT: 15.930 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

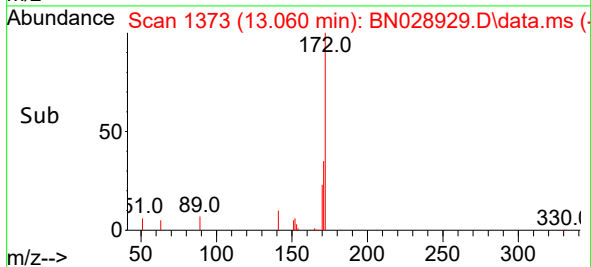
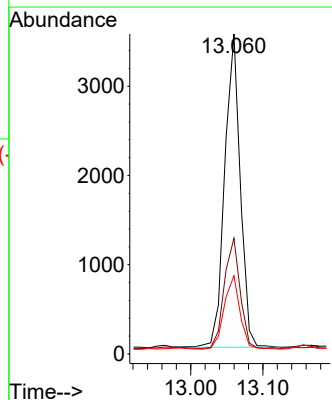
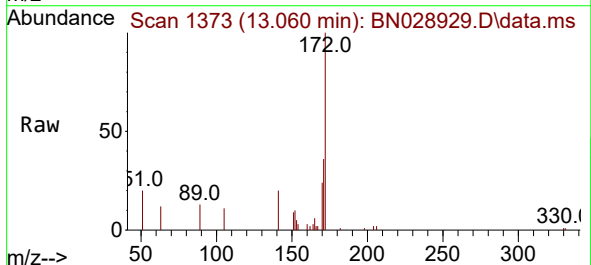
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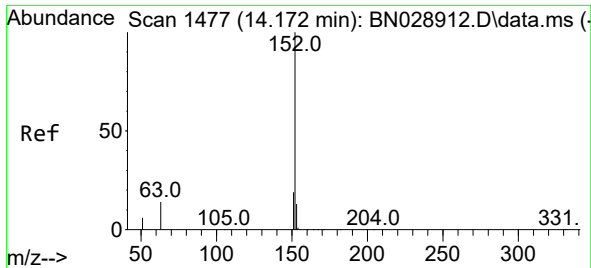
Tgt Ion:330 Resp: 652
Ion Ratio Lower Upper
330 100
332 97.4 75.4 113.2
141 624.5 35.7 53.5#



#15
2-Fluorobiphenyl
Concen: 0.067 ng
RT: 13.060 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:172 Resp: 5239
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.4 19.7 29.5

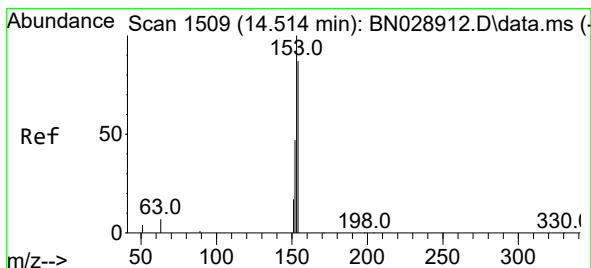
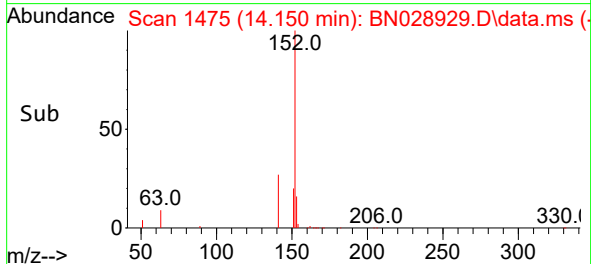
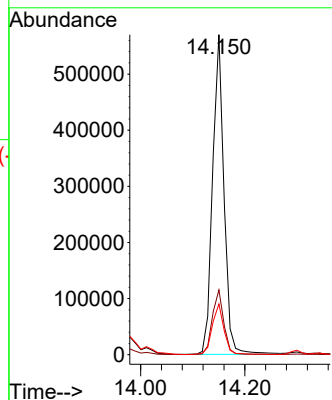
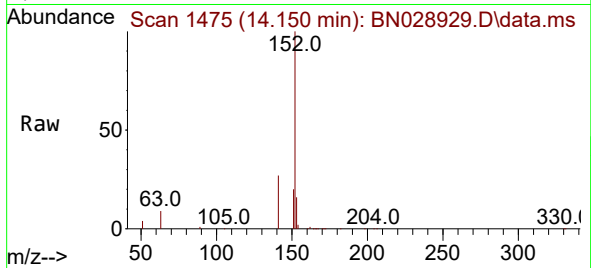




#16
Acenaphthylene
Concen: 8.991 ng
RT: 14.150 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

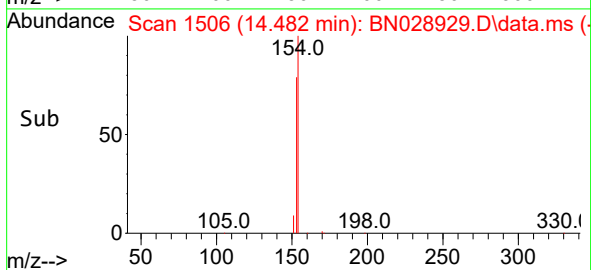
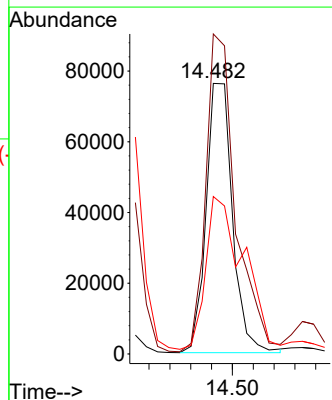
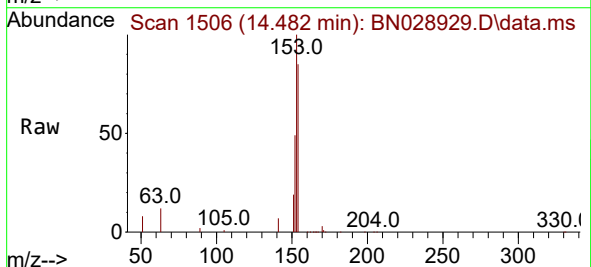
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

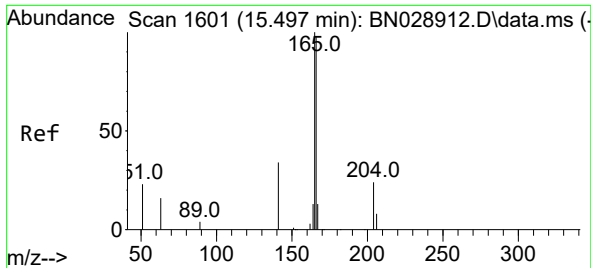
Tgt Ion:152 Resp: 863679
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 16.2 10.8 16.2



#17
Acenaphthene
Concen: 2.102 ng
RT: 14.482 min Scan# 1506
Delta R.T. -0.011 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:154 Resp: 134013
Ion Ratio Lower Upper
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153 133.1 93.8 140.6
152 81.1 44.5 66.7#

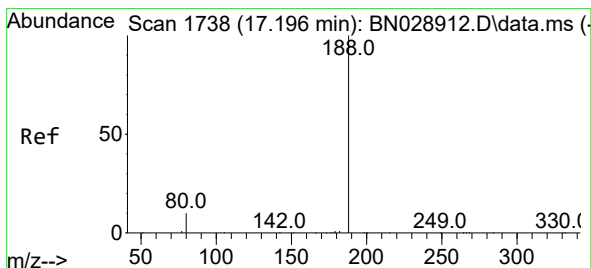
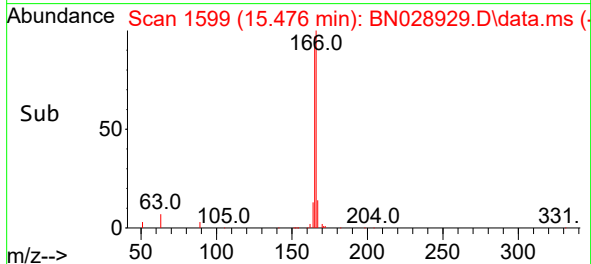
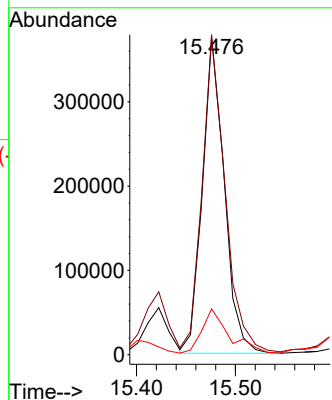
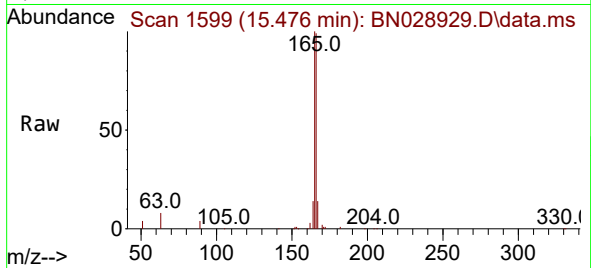




#18
Fluorene
Concen: 7.471 ng
RT: 15.476 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

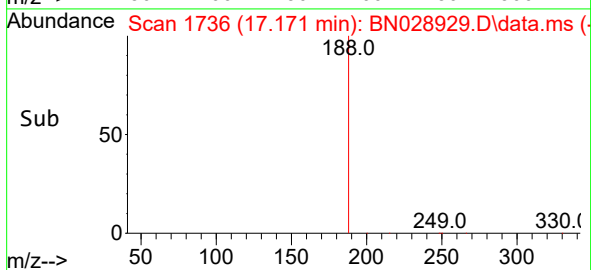
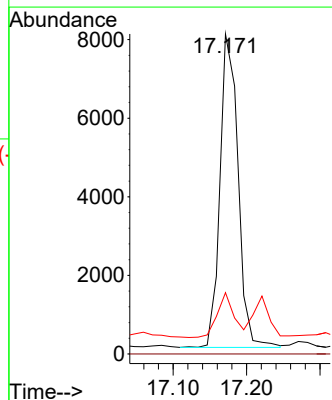
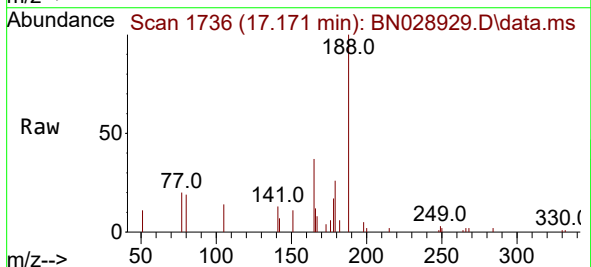
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

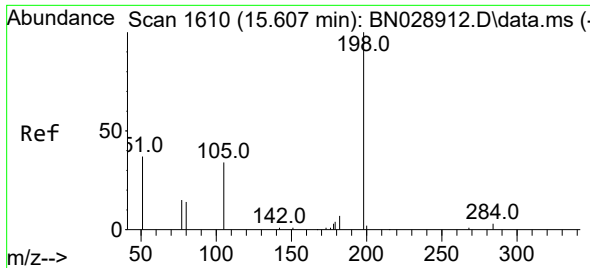
Tgt Ion:166 Resp: 603002
Ion Ratio Lower Upper
166 100
165 104.9 79.4 119.2
167 16.7 11.0 16.4#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.171 min Scan# 1736
Delta R.T. -0.012 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:188 Resp: 13610
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 19.1 9.0 13.6#

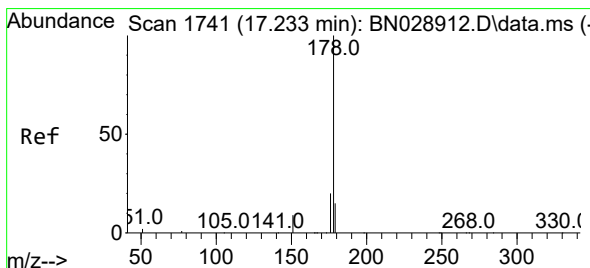
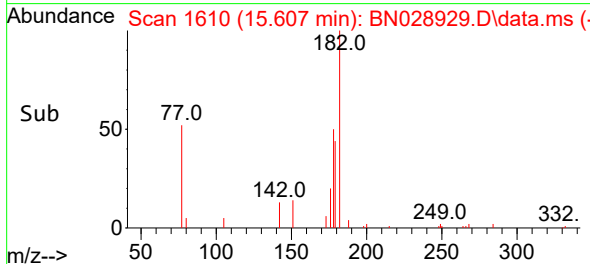
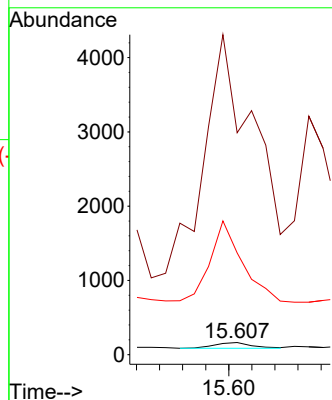
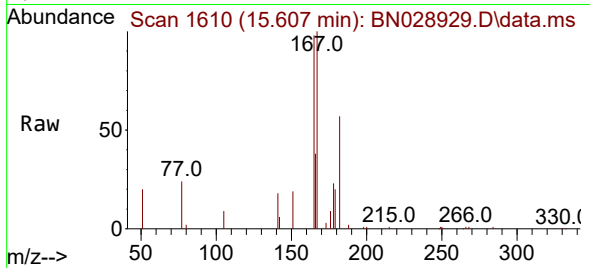




#20
4,6-Dinitro-2-methylphenol
Concen: 0.059 ng
RT: 15.607 min Scan# 1
Delta R.T. 0.037 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

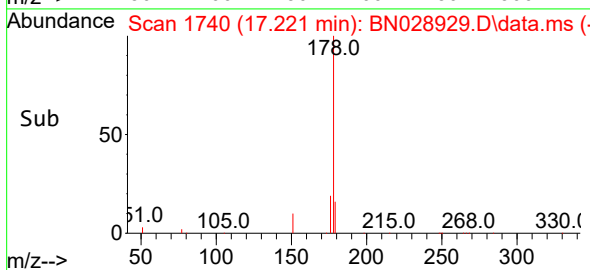
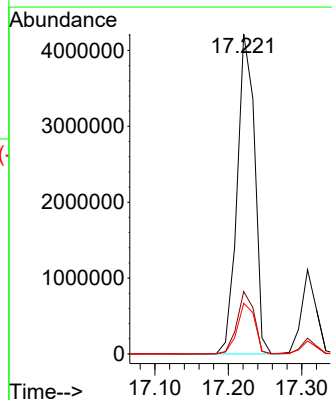
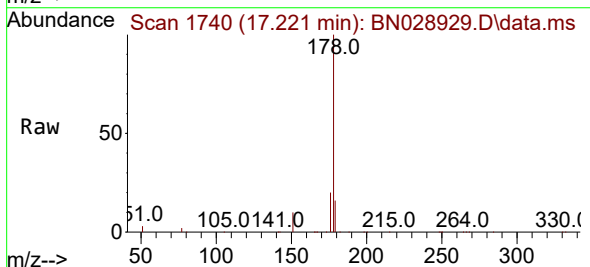
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

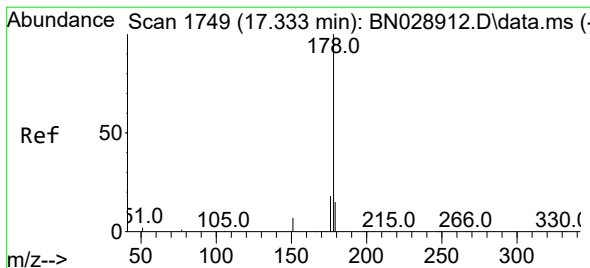
Tgt Ion:198 Resp: 176
Ion Ratio Lower Upper
198 100
51 1822.0 76.2 114.4#
105 836.0 64.9 97.3#



#25
Phenanthrene
Concen: 155.243 ng
RT: 17.221 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:178 Resp: 6976226
Ion Ratio Lower Upper
178 100
176 19.1 16.4 24.6
179 15.9 14.1 21.1





#26

Anthracene

Concen: 37.382 ng

RT: 17.308 min Scan# 1747

Delta R.T. -0.000 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)

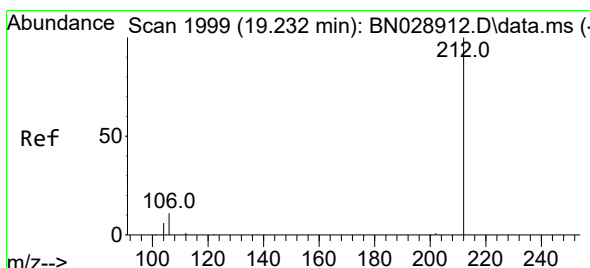
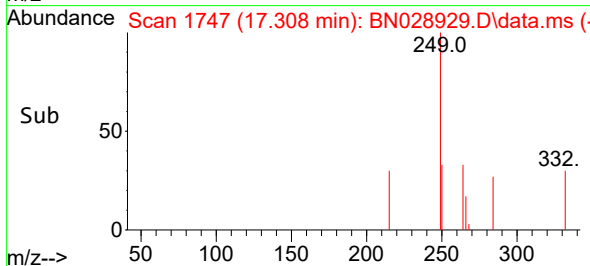
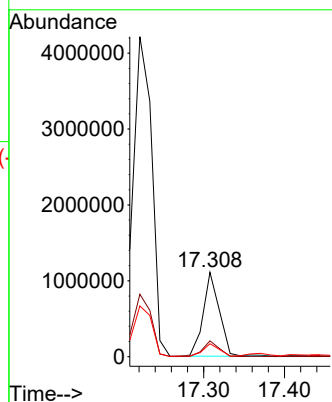
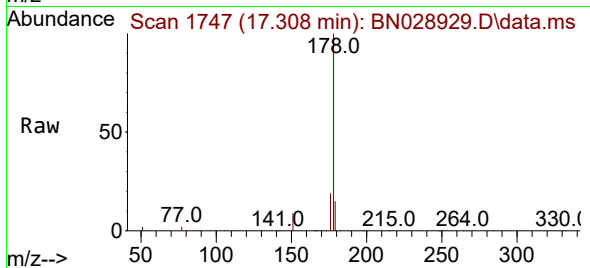
Tgt Ion:178 Resp: 1552713

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 15.7 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.182 ng

RT: 19.213 min Scan# 1995

Delta R.T. -0.000 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

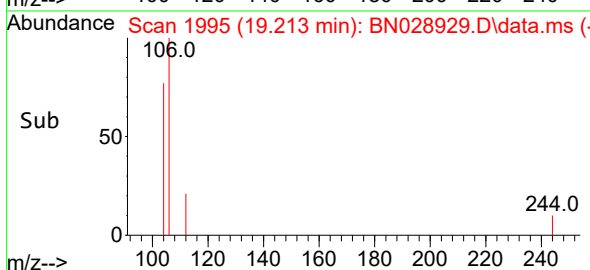
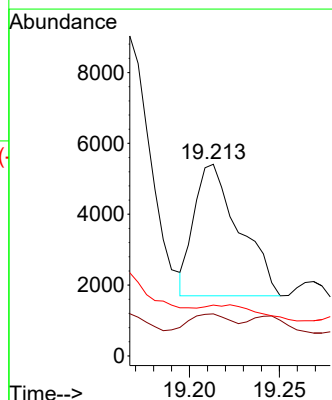
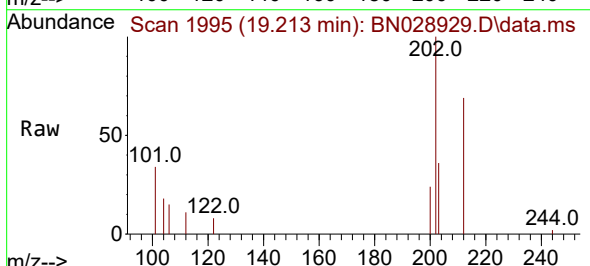
Tgt Ion:212 Resp: 6503

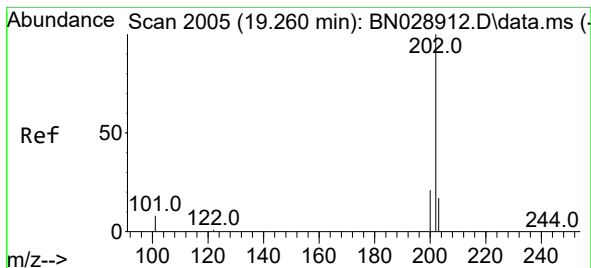
Ion Ratio Lower Upper

212 100

106 11.2 9.4 14.2

104 0.0 6.2 9.2#





#28

Fluoranthene

Concen: 8.099 ng

RT: 19.394 min Scan# 2005

Delta R.T. 0.149 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)

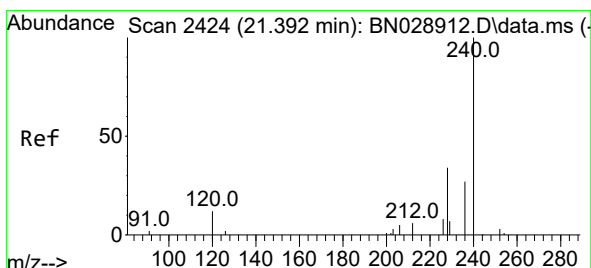
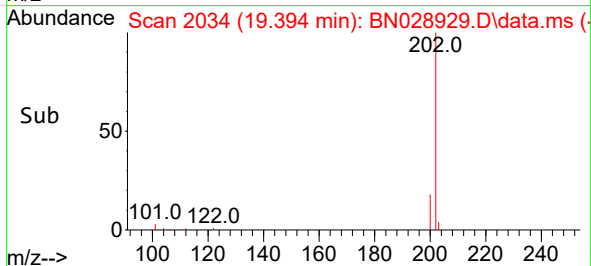
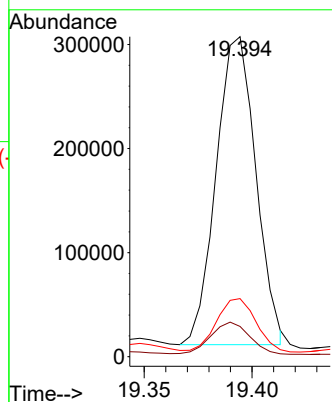
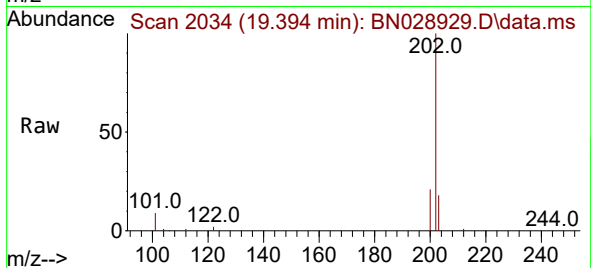
Tgt Ion:202 Resp: 378457

Ion Ratio Lower Upper

202 100

101 9.9 7.3 10.9

203 16.3 14.1 21.1



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.338 min Scan# 2418

Delta R.T. -0.036 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

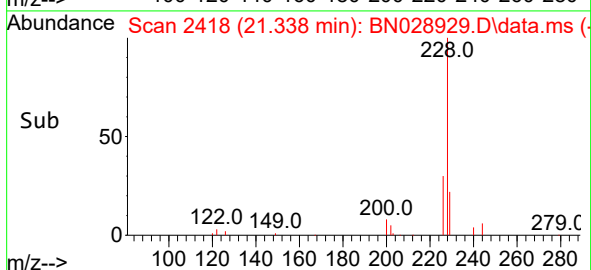
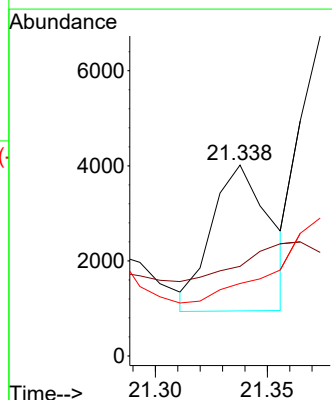
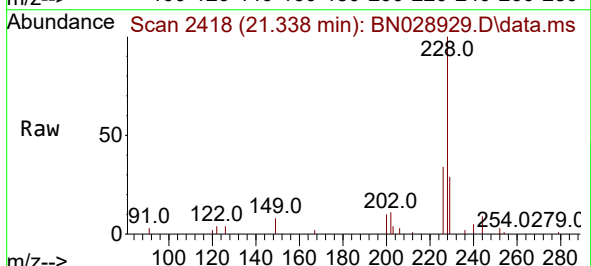
Tgt Ion:240 Resp: 5562

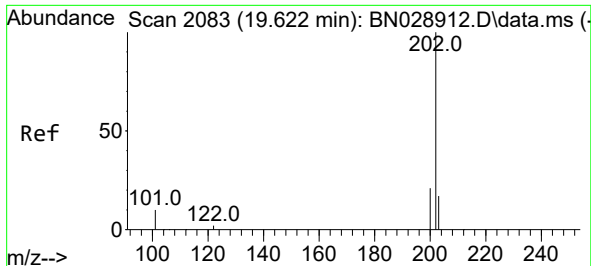
Ion Ratio Lower Upper

240 100

120 47.0 37.1 55.7

236 38.0 32.4 48.6

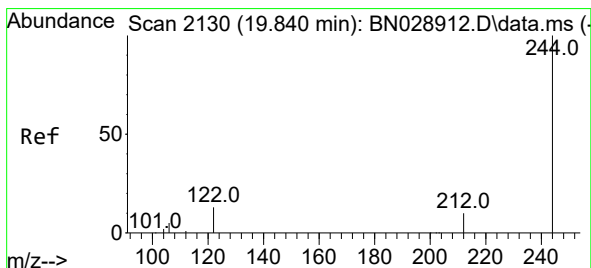
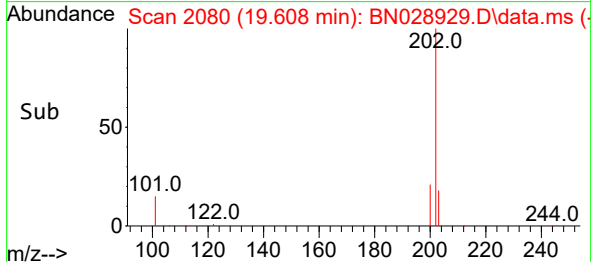
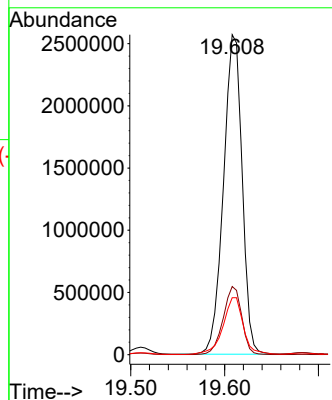
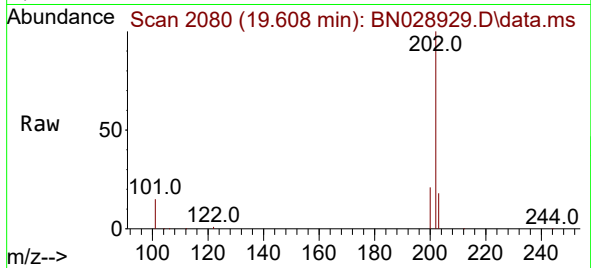




#30
Pyrene
Concen: 83.404 ng
RT: 19.608 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

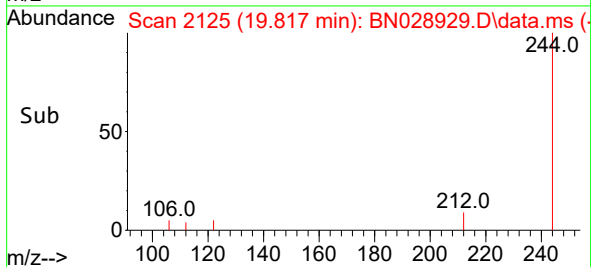
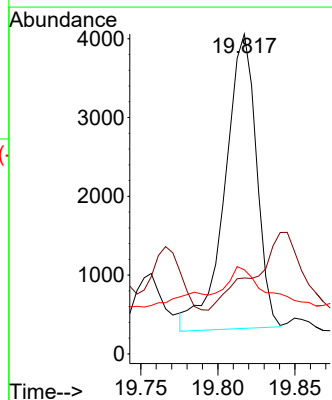
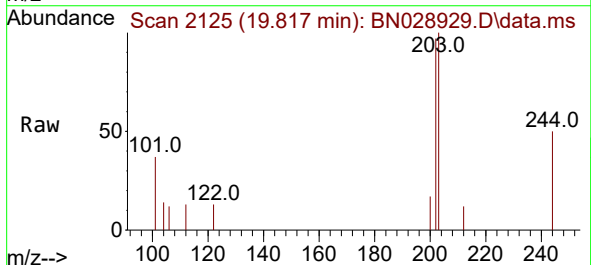
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

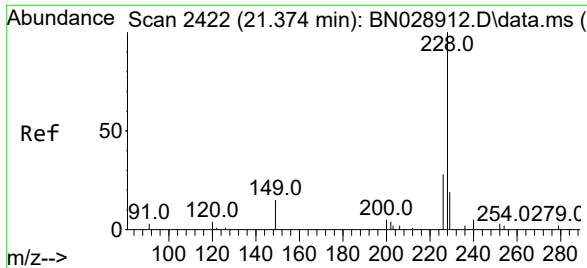
Tgt Ion:202 Resp: 3545105
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 19.3 14.8 22.2



#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.817 min Scan# 2125
Delta R.T. -0.005 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:244 Resp: 5319
Ion Ratio Lower Upper
244 100
212 23.8 11.5 17.3#
122 26.3 13.2 19.8#

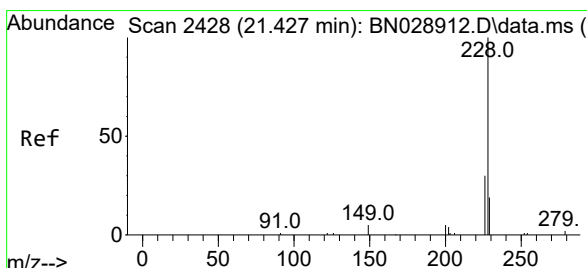
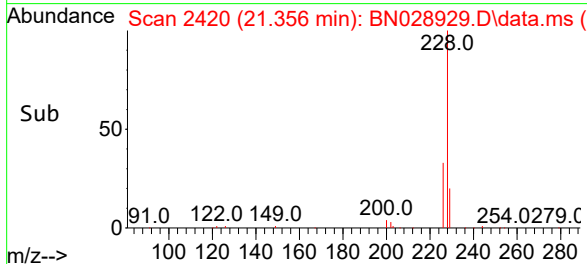
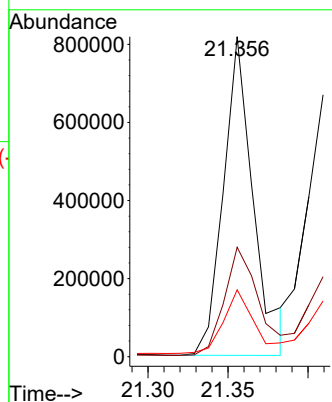
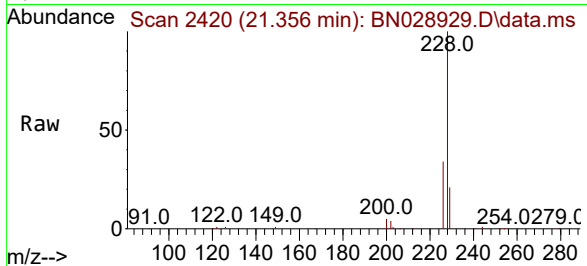




#32
Benzo(a)anthracene
Concen: 44.789 ng
RT: 21.356 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

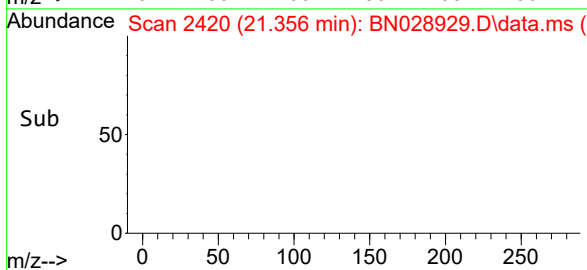
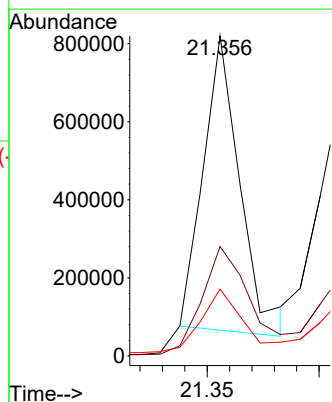
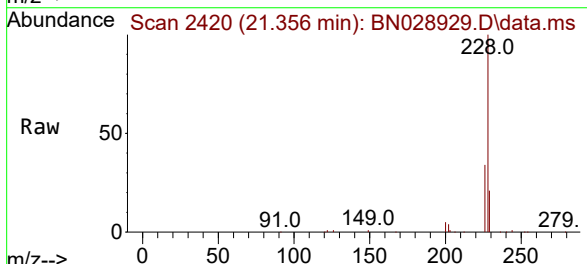
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

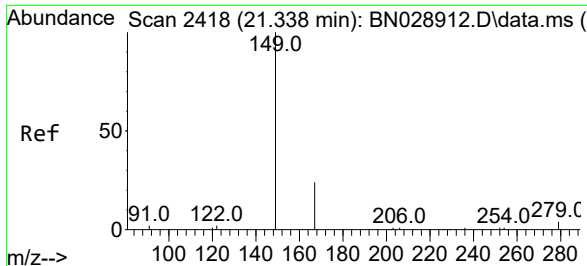
Tgt Ion:228 Resp: 1059202
Ion Ratio Lower Upper
228 100
226 34.2 26.5 39.7
229 20.9 16.4 24.6



#33
Chrysene
Concen: 36.885 ng
RT: 21.356 min Scan# 2420
Delta R.T. -0.054 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:228 Resp: 856427
Ion Ratio Lower Upper
228 100
226 34.2 28.3 42.5
229 20.9 16.4 24.6

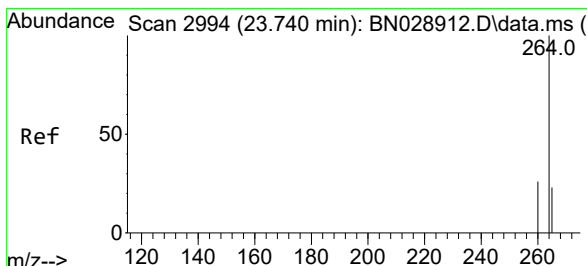
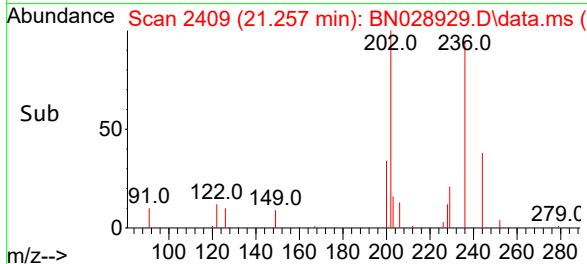
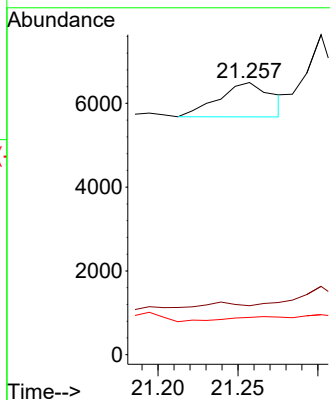
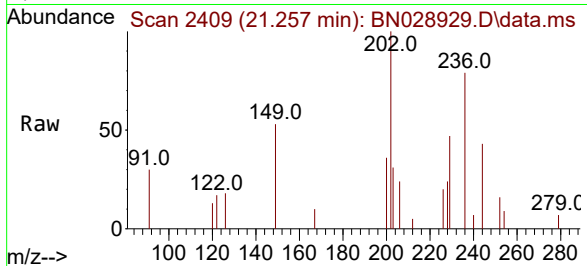




#34
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.257 min Scan# 2418
Delta R.T. -0.054 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

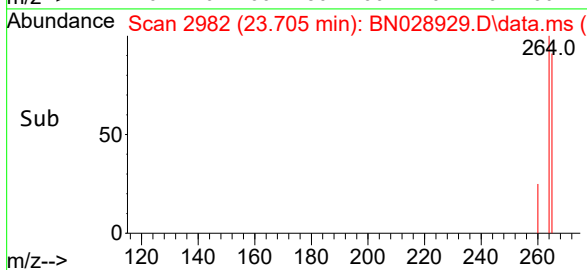
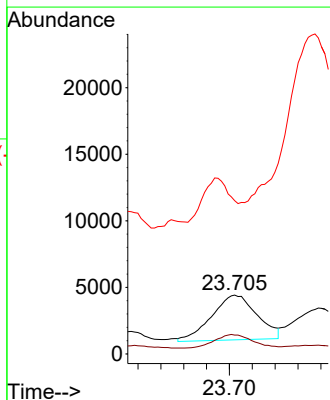
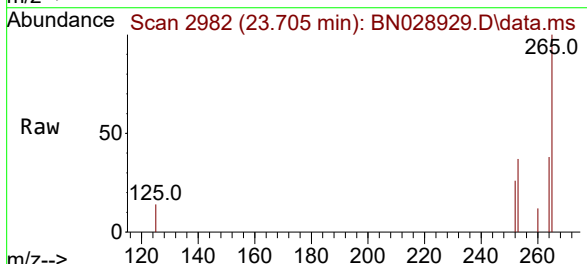
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

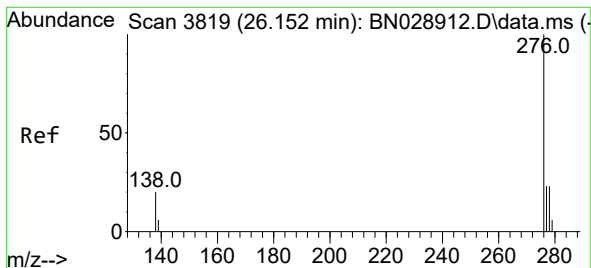
Tgt Ion:149 Resp: 1910
Ion Ratio Lower Upper
149 100
167 0.0 14.9 22.3#
279 10.9 6.3 9.5#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.705 min Scan# 2982
Delta R.T. -0.009 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:264 Resp: 9292
Ion Ratio Lower Upper
264 100
260 32.1 20.6 30.8#
265 260.3 464.5 696.7#





#36

Indeno(1,2,3-cd)pyrene

Concen: 7.002 ng

RT: 26.102 min Scan# 3819

Delta R.T. -0.009 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)

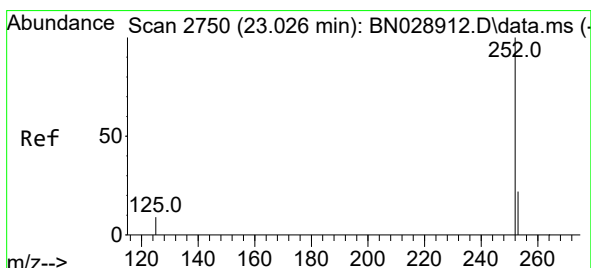
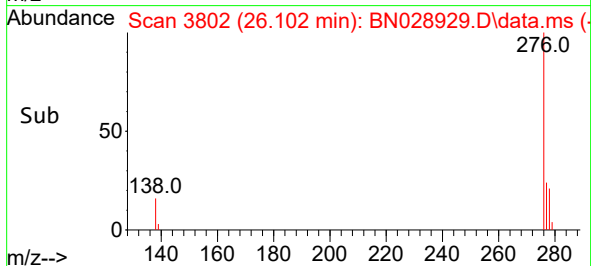
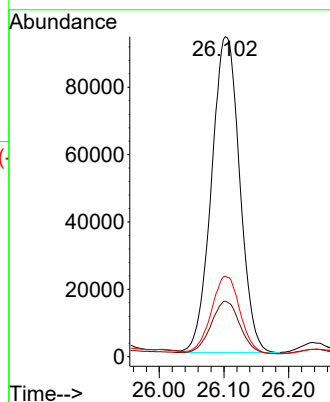
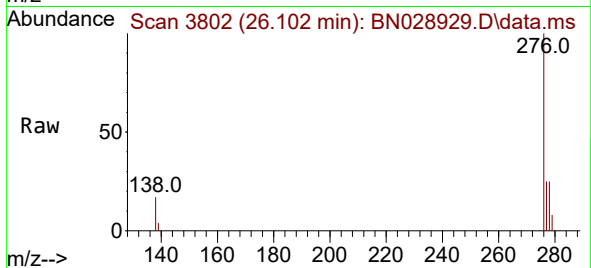
Tgt Ion:276 Resp: 283501

Ion Ratio Lower Upper

276 100

138 17.1 20.9 31.3#

277 25.2 20.2 30.4



#37

Benzo(b)fluoranthene

Concen: 15.754 ng

RT: 23.003 min Scan# 2742

Delta R.T. -0.000 min

Lab File: BN028929.D

Acq: 01 Dec 2023 02:58

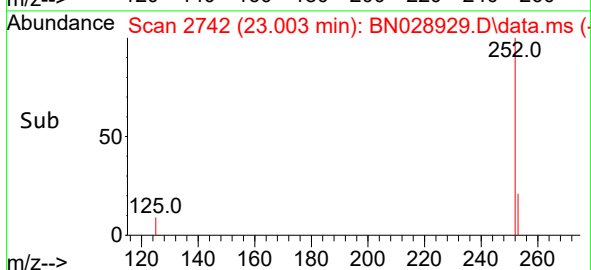
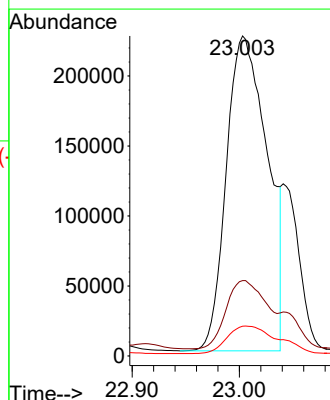
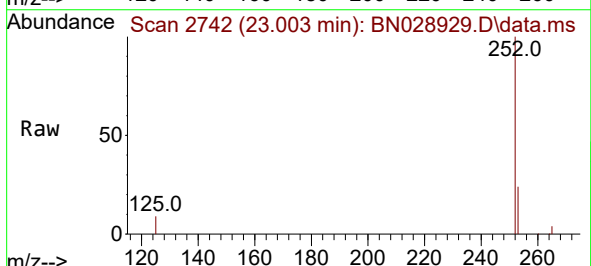
Tgt Ion:252 Resp: 598889

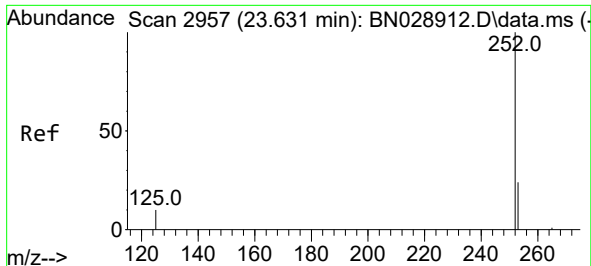
Ion Ratio Lower Upper

252 100

253 23.6 94.5 141.7#

125 9.3 23.8 35.8#

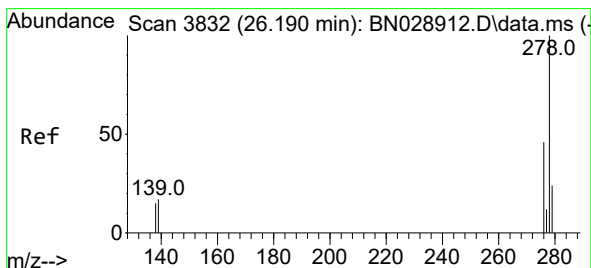
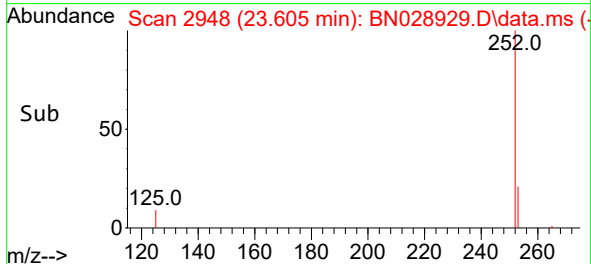
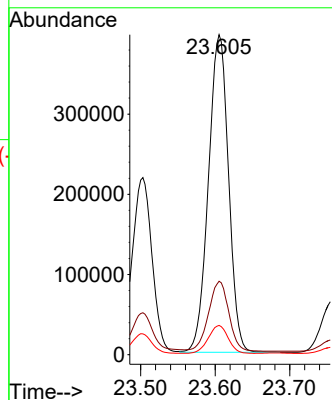
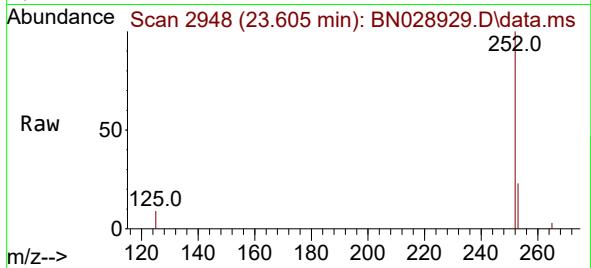




#39
Benzo(a)pyrene
Concen: 21.842 ng
RT: 23.605 min Scan# 2948
Delta R.T. -0.000 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

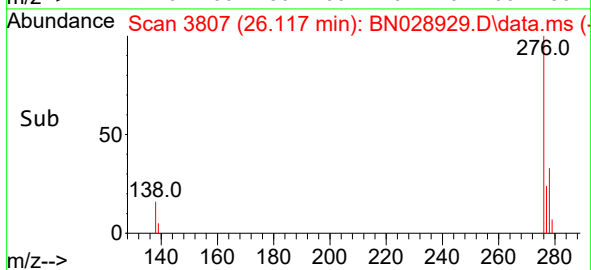
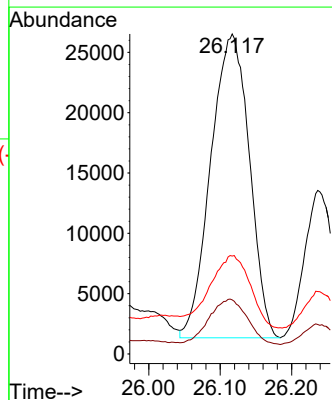
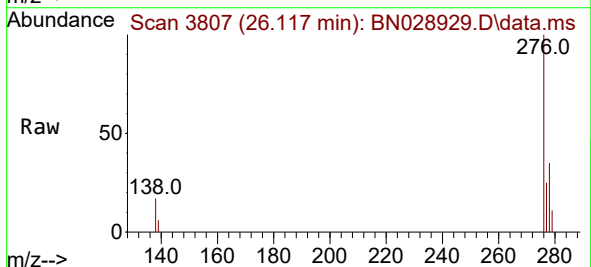
Instrument :
BNA_N
ClientSampleId :
L-6(0-5)

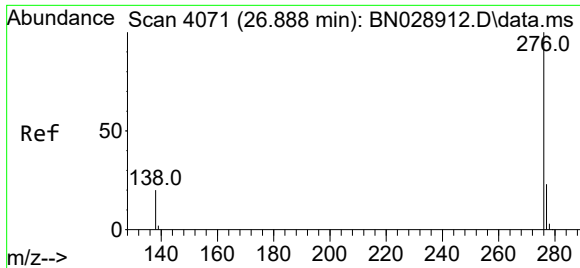
Tgt Ion:252 Resp: 741611
Ion Ratio Lower Upper
252 100
253 22.9 110.2 165.4#
125 9.2 27.0 40.4#



#40
Dibenzo(a,h)anthracene
Concen: 3.017 ng
RT: 26.117 min Scan# 3807
Delta R.T. -0.023 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

Tgt Ion:278 Resp: 94532
Ion Ratio Lower Upper
278 100
139 16.9 22.6 33.8#
279 30.6 102.6 153.8#





#41

Benzo(g,h,i)perylene

Concen: 9.547 ng

RT: 26.845 min Scan# 40

Delta R.T. 0.003 min

Lab File: BN028929.D

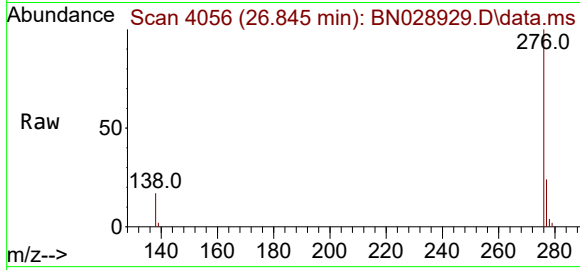
Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)



Tgt Ion:276 Resp: 336474

Ion Ratio Lower Upper

276 100

277 24.0 28.9 43.3#

138 17.1 36.2 54.2#

