

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028931.D
 Acq On : 01 Dec 2023 04:09
 Operator : MA/JU
 Sample : 05253-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-3(195FT)(0-5)

Quant Time: Dec 01 04:43:20 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)

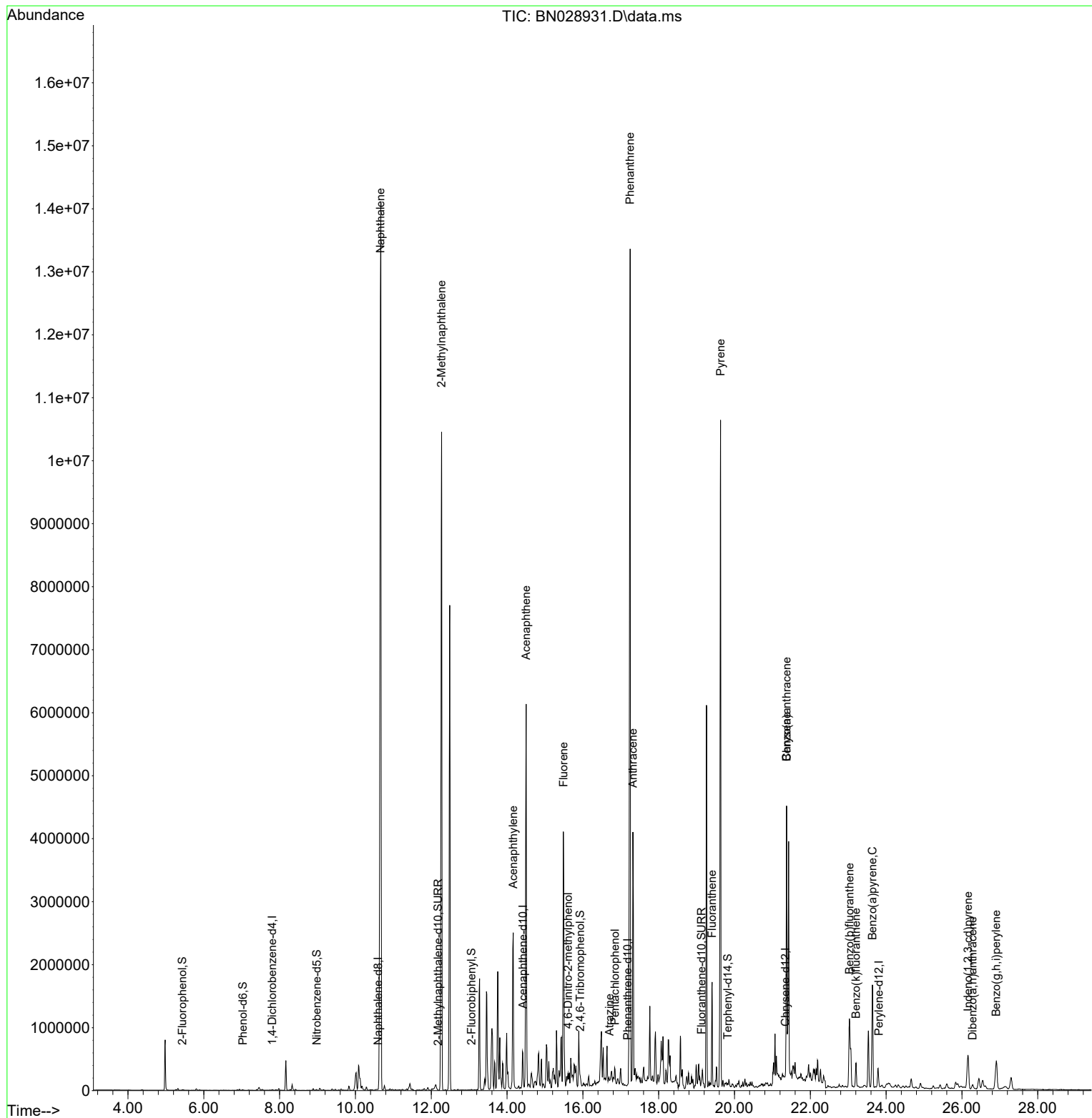
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	4322	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	13279	0.400	ng	# 0.00
13) Acenaphthene-d10	14.418	164	25082	0.400	ng	#-0.01
19) Phenanthrene-d10	17.184	188	13076	0.400	ng	# 0.00
29) Chrysene-d12	21.347	240	20013	0.400	ng	-0.03
35) Perylene-d12	23.807	264	8167	0.400	ng	0.09
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	3542	0.270	ng	-0.01
5) Phenol-d6	7.031	99	3807	0.262	ng	-0.01
8) Nitrobenzene-d5	8.982	82	2872	0.218	ng	0.00
11) 2-Methylnaphthalene-d10	12.182	152	4881	0.229	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	920	0.054	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6841	0.063	ng	-0.01
27) Fluoranthene-d10	19.134	212	11015	0.320	ng	-0.08
31) Terphenyl-d14	19.822	244	7080	0.225	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.658	128	19185862	454.664	ng	96
12) 2-Methylnaphthalene	12.272	142	7425541	280.043	ng	96
16) Acenaphthylene	14.161	152	2462717	18.535	ng	97
17) Acenaphthene	14.503	154	2938499	33.319	ng	98
18) Fluorene	15.487	166	2698314	24.169	ng	98
20) 4,6-Dinitro-2-methylph...	15.607	198	731	0.255	ng	# 1
23) Atrazine	16.700	200	410	0.052	ng	# 1
24) Pentachlorophenol	16.849	266	317	0.062	ng	# 46
25) Phenanthrene	17.246	178	13946138	323.020	ng	99
26) Anthracene	17.320	178	4212053	105.547	ng	99
28) Fluoranthene	19.408	202	1377851	30.690	ng	98
30) Pyrene	19.631	202	9691400	63.390	ng	97
32) Benzo(a)anthracene	21.374	228	3310565	38.906	ng	91
33) Chrysene	21.374	228	3170841	37.954	ng	94
34) Bis(2-ethylhexyl)phtha...	21.311	149	13990	Below Cal	#	80
36) Indeno(1,2,3-cd)pyrene	26.158	276	855107	24.028	ng	# 90
37) Benzo(b)fluoranthene	23.032	252	2033621	60.865	ng	# 24
38) Benzo(k)fluoranthene	23.205	252	554837	17.601	ng	# 26
39) Benzo(a)pyrene	23.637	252	2446351	81.976	ng	# 16
40) Dibenzo(a,h)anthracene	26.280	278	109467	3.975	ng	# 35
41) Benzo(g,h,i)perylene	26.906	276	1017012	32.830	ng	# 68

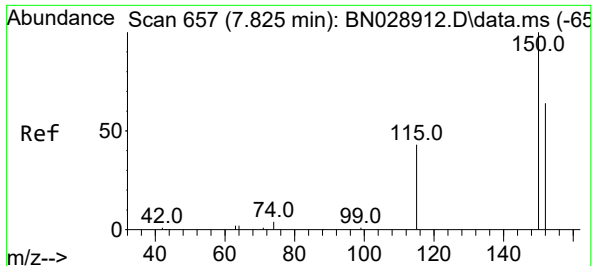
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028931.D
Acq On : 01 Dec 2023 04:09
Operator : MA/JU
Sample : 05253-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

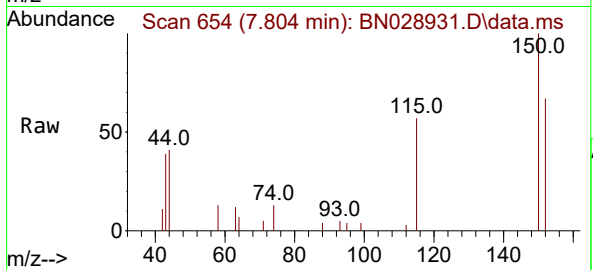
Quant Time: Dec 01 04:43:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:28:34 2023
Response via : Initial Calibration





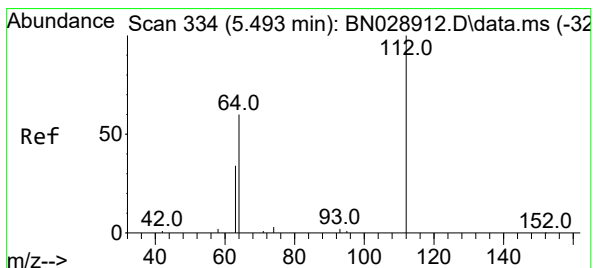
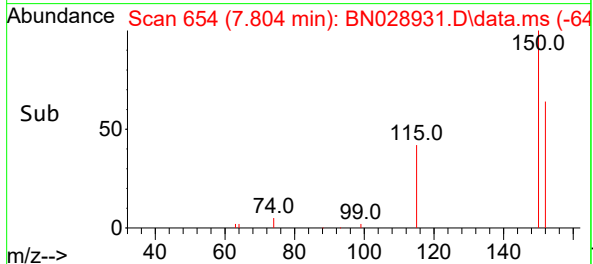
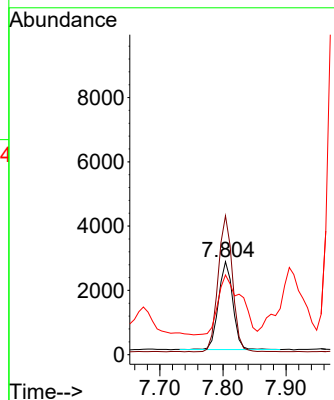
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



Tgt Ion:152 Resp: 4322

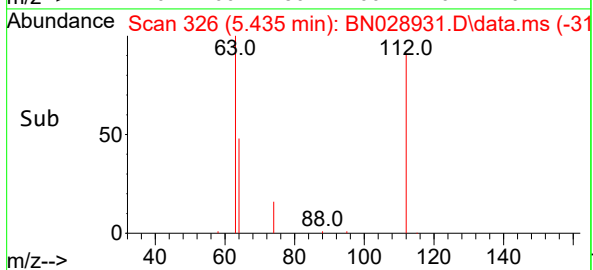
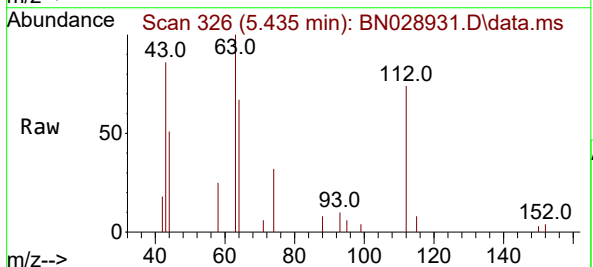
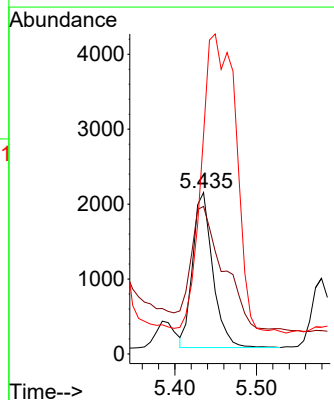
Ion	Ratio	Lower	Upper
152	100		
150	149.4	123.4	185.2
115	85.8	59.1	88.7

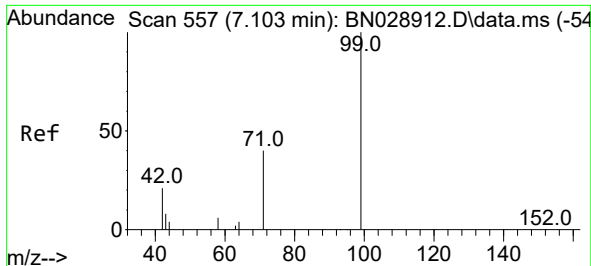


#4
2-Fluorophenol
Concen: 0.270 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.014 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:112 Resp: 3542

Ion	Ratio	Lower	Upper
112	100		
64	135.1	51.5	77.3#
63	330.8	30.4	45.6#

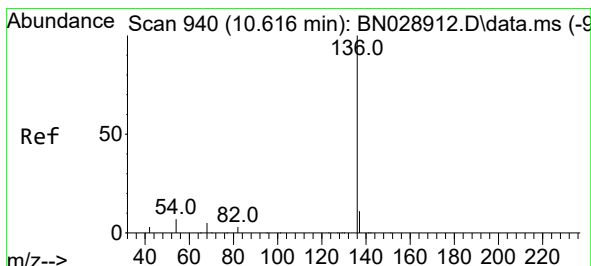
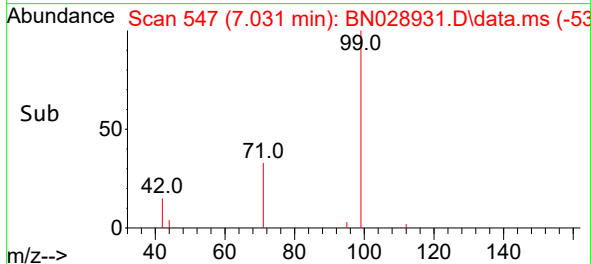
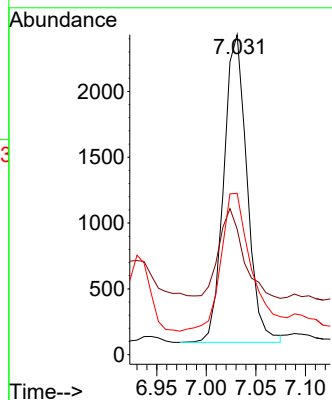
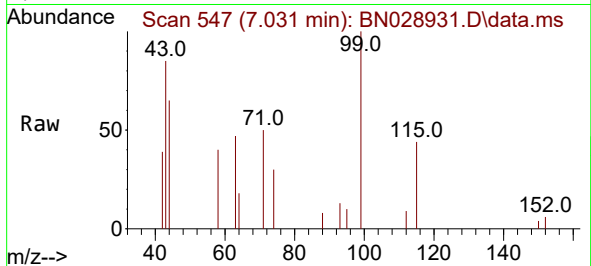




#5
Phenol-d6
Concen: 0.262 ng
RT: 7.031 min Scan# 54
Delta R.T. -0.014 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

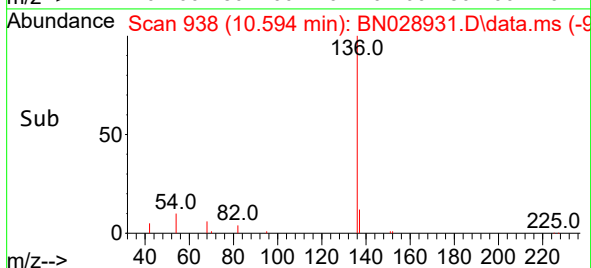
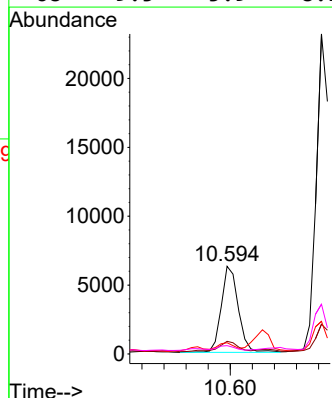
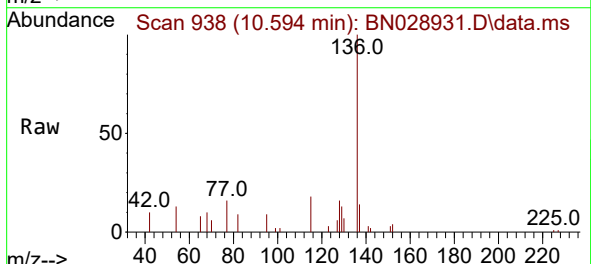
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

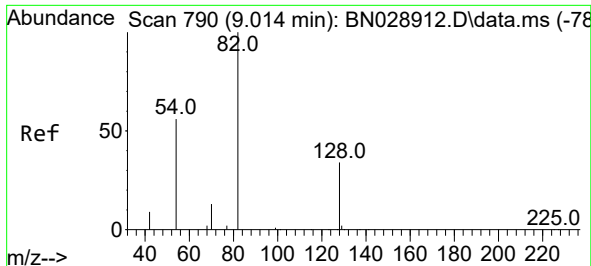
Tgt Ion: 99 Resp: 3807
Ion Ratio Lower Upper
99 100
42 31.3 21.2 31.8
71 59.4 35.4 53.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion: 136 Resp: 13279
Ion Ratio Lower Upper
136 100
137 14.3 10.6 16.0
54 12.8 7.5 11.3#
68 9.5 5.9 8.9#

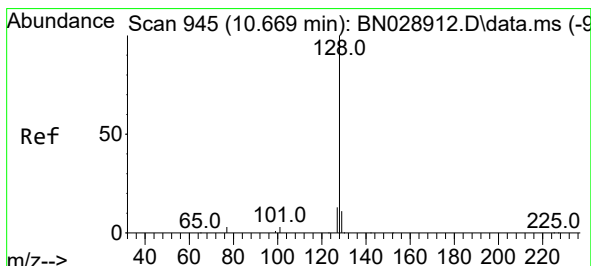
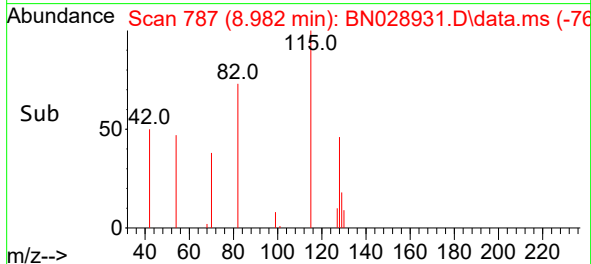
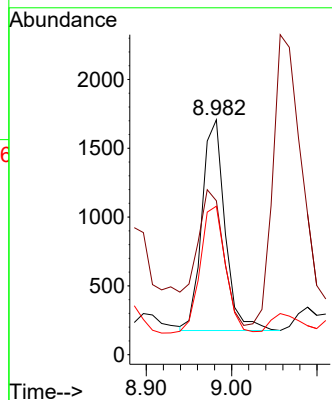
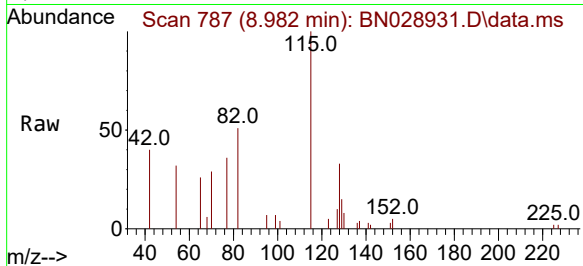




#8
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.982 min Scan# 790
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

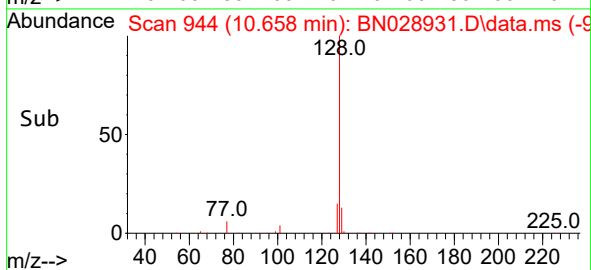
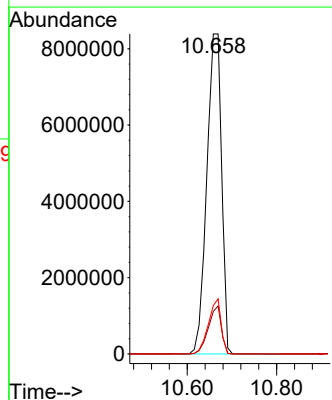
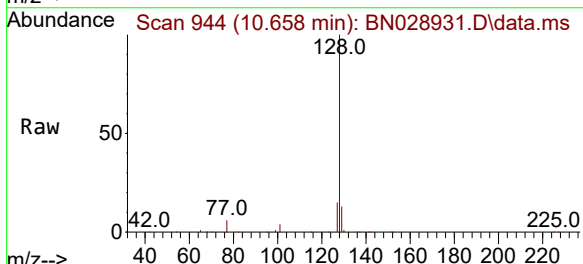
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

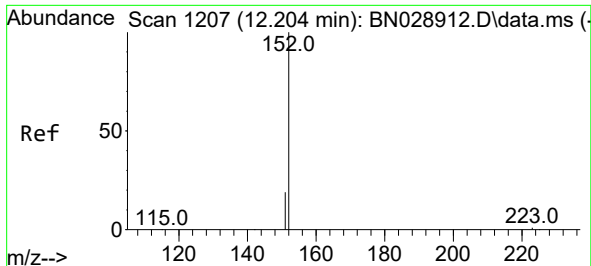
Tgt Ion: 82 Resp: 2872
Ion Ratio Lower Upper
82 100
128 65.5 29.2 43.8#
54 63.2 47.0 70.6



#9
Naphthalene
Concen: 454.664 ng
RT: 10.658 min Scan# 944
Delta R.T. 0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion: 128 Resp: 19185862
Ion Ratio Lower Upper
128 100
129 13.3 9.5 14.3
127 15.2 11.0 16.4





#11

2-Methylnaphthalene-d10

Concen: 0.229 ng

RT: 12.182 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

Instrument :

BNA_N

ClientSampleId :

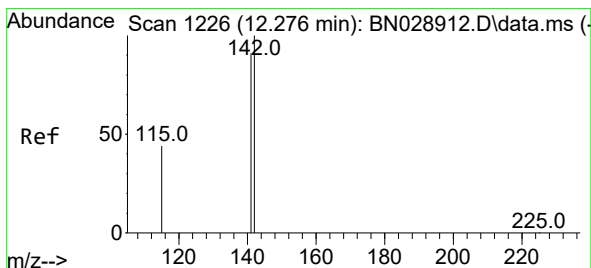
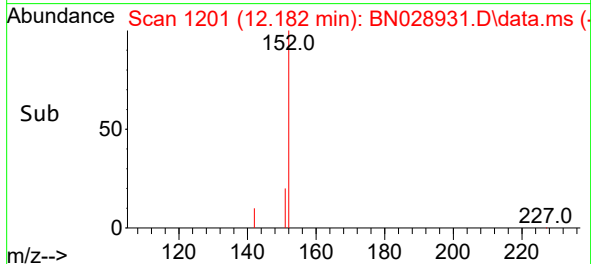
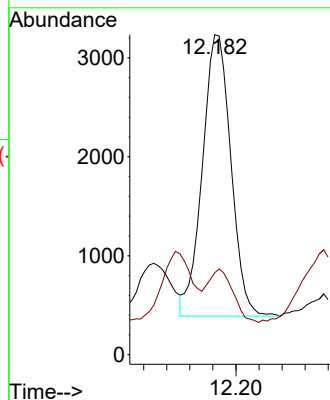
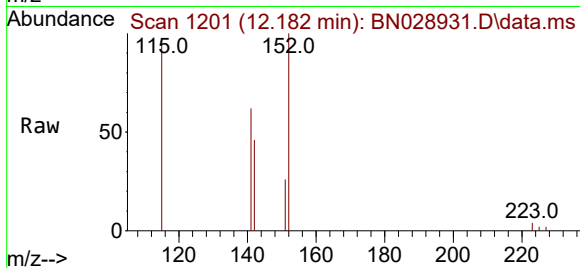
L-3(195FT)(0-5)

Tgt Ion:152 Resp: 4881

Ion Ratio Lower Upper

152 100

151 19.2 16.7 25.1



#12

2-Methylnaphthalene

Concen: 280.043 ng

RT: 12.272 min Scan# 1225

Delta R.T. 0.015 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

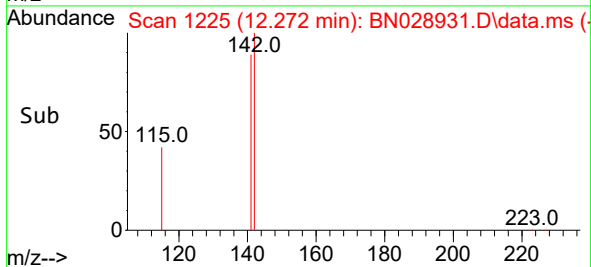
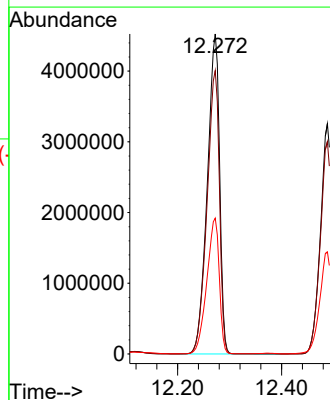
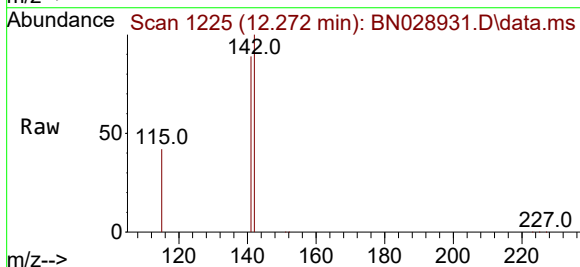
Tgt Ion:142 Resp: 7425541

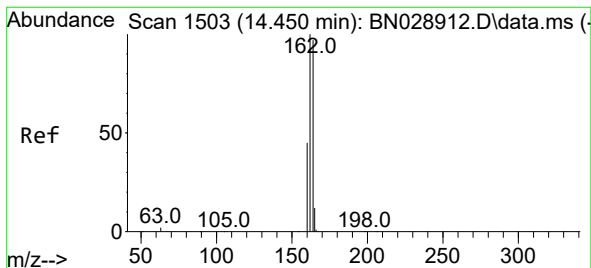
Ion Ratio Lower Upper

142 100

141 88.5 73.1 109.7

115 42.5 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: BN028931.D

Acq: 01 Dec 2023 04:09

Instrument :

BNA_N

ClientSampleId :

L-3(195FT)(0-5)

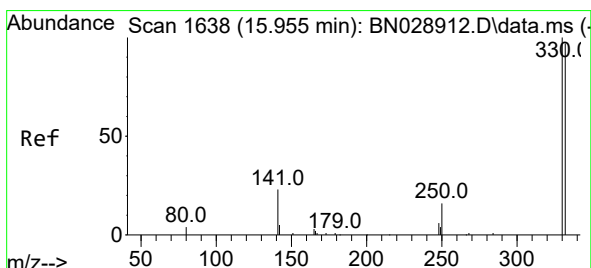
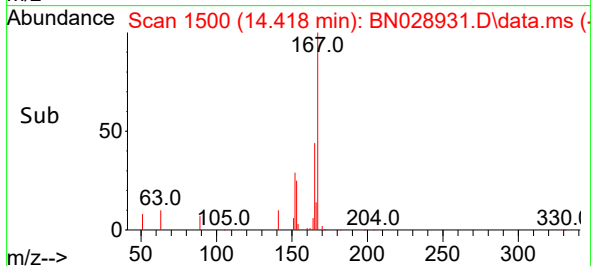
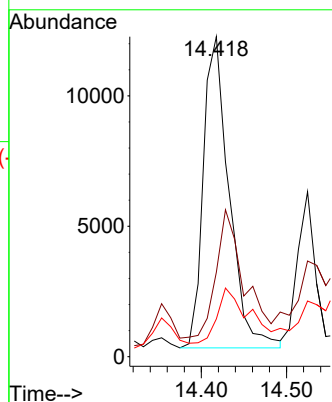
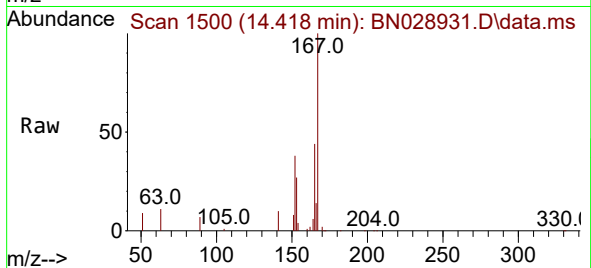
Tgt Ion:164 Resp: 25082

Ion Ratio Lower Upper

164 100

162 26.4 81.7 122.5#

160 11.8 37.0 55.6#



#14

2,4,6-Tribromophenol

Concen: 0.054 ng

RT: 15.930 min Scan# 1636

Delta R.T. 0.000 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

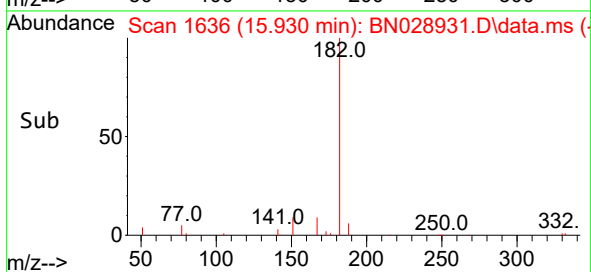
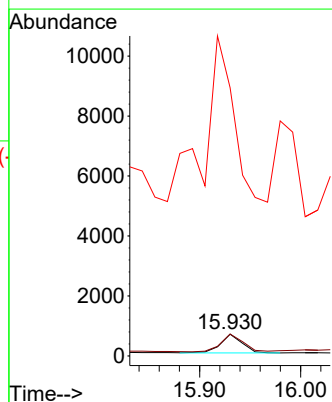
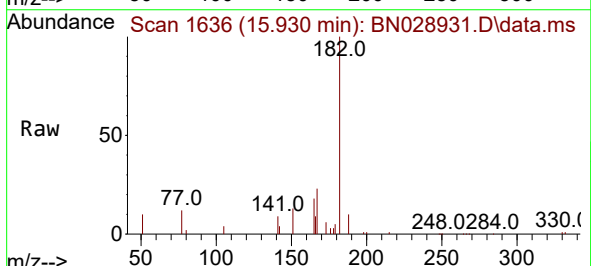
Tgt Ion:330 Resp: 920

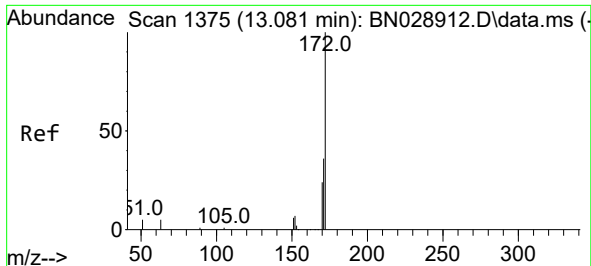
Ion Ratio Lower Upper

330 100

332 96.6 75.4 113.2

141 1275.8 35.7 53.5#

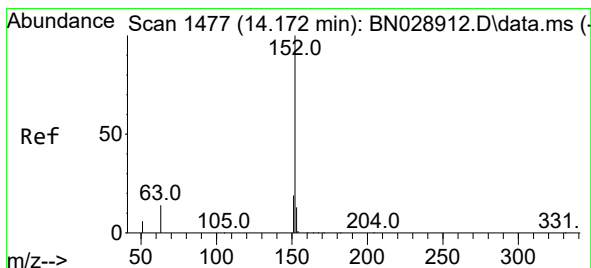
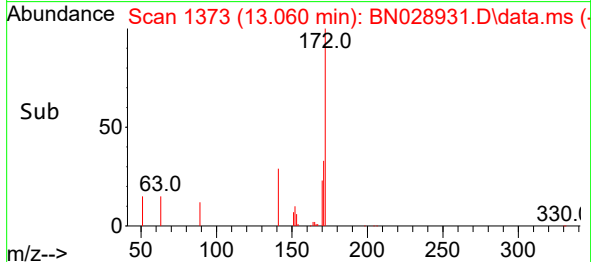
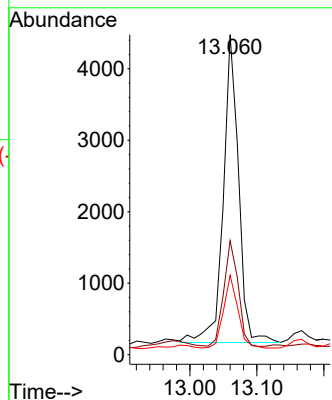
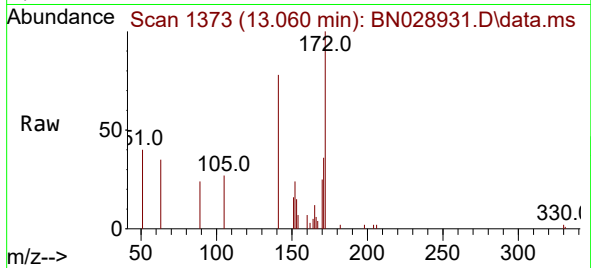




#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 13.060 min Scan# 1375
Delta R.T. -0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

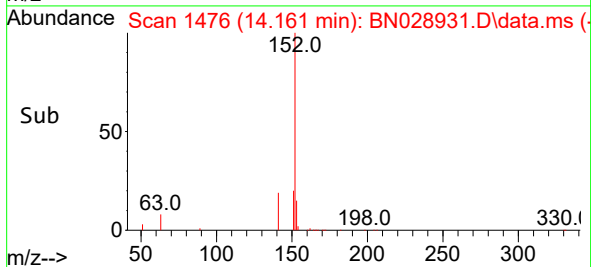
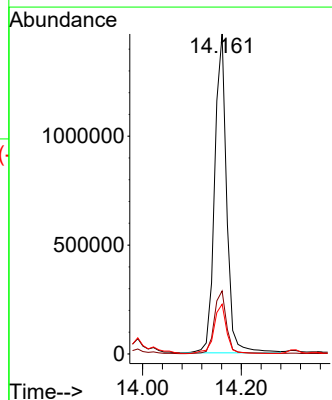
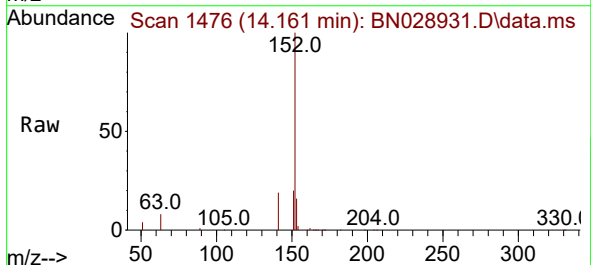
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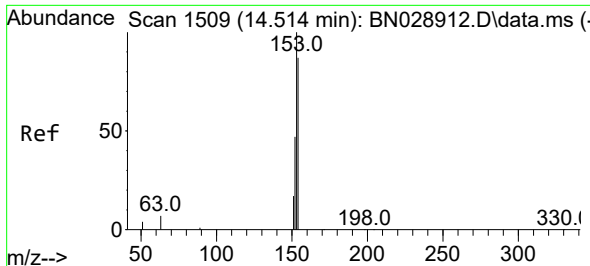
Tgt Ion:172 Resp: 6841
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.4
170 24.8 19.7 29.5



#16
Acenaphthylene
Concen: 18.535 ng
RT: 14.161 min Scan# 1476
Delta R.T. 0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:152 Resp: 2462717
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 16.1 10.8 16.2

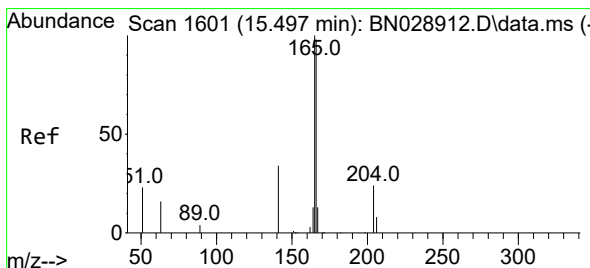
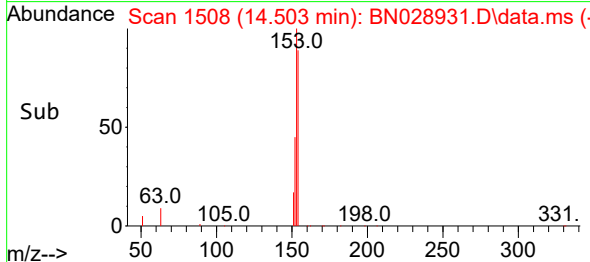
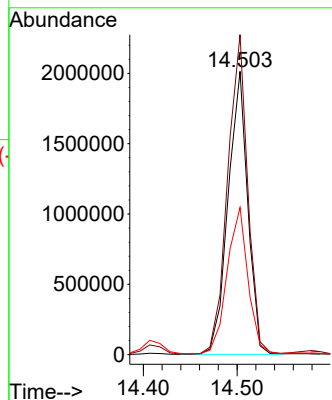
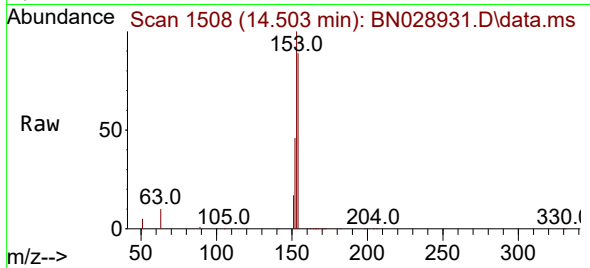




#17
Acenaphthene
Concen: 33.319 ng
RT: 14.503 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

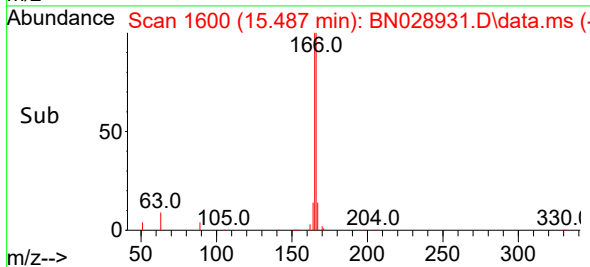
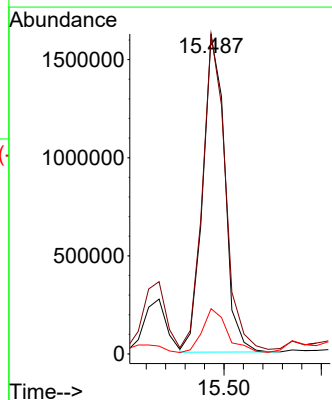
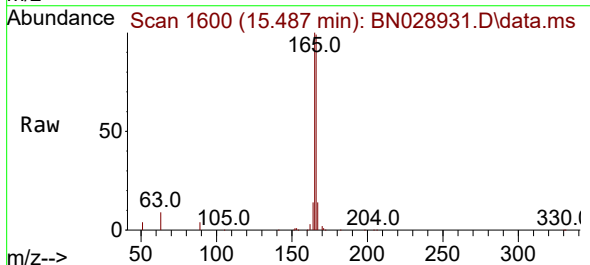
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

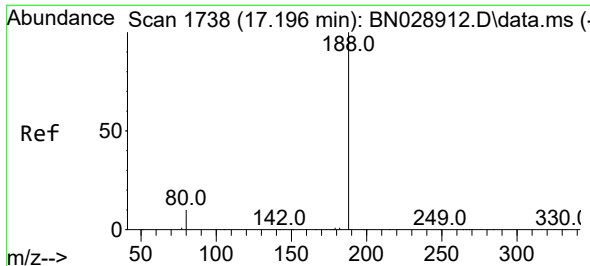
Tgt Ion:154 Resp: 2938499
Ion Ratio Lower Upper
154 100
153 115.0 93.8 140.6
152 54.8 44.5 66.7



#18
Fluorene
Concen: 24.169 ng
RT: 15.487 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:166 Resp: 2698314
Ion Ratio Lower Upper
166 100
165 100.9 79.4 119.2
167 15.2 11.0 16.4

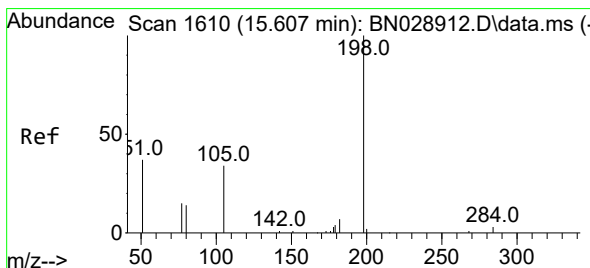
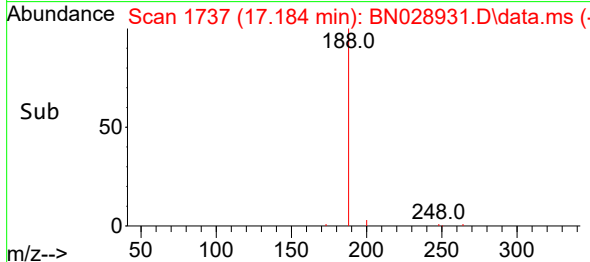
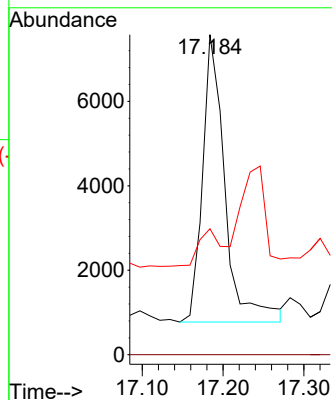
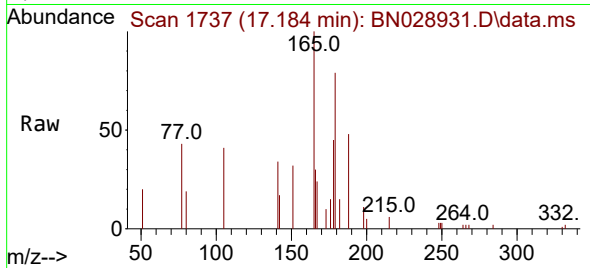




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.184 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

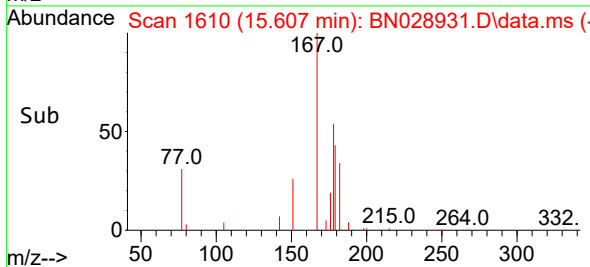
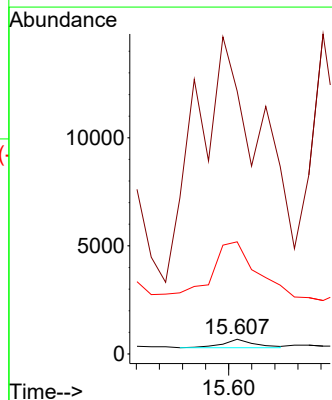
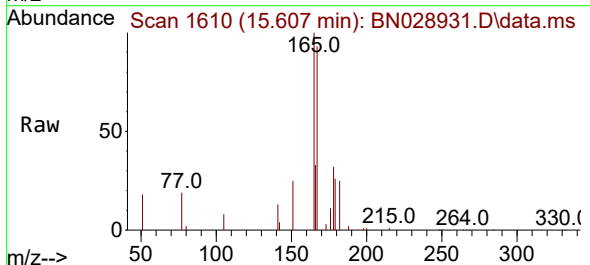
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

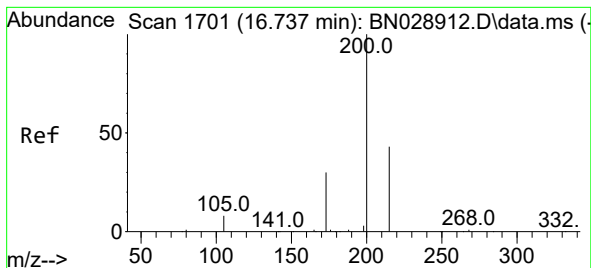
Tgt Ion:188 Resp: 13076
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 39.4 9.0 13.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.255 ng
RT: 15.607 min Scan# 1610
Delta R.T. 0.037 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:198 Resp: 731
Ion Ratio Lower Upper
198 100
51 1792.9 76.2 114.4#
105 764.7 64.9 97.3#





#23

Atrazine

Concen: 0.052 ng

RT: 16.700 min Scan# 1

Delta R.T. 0.012 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

Instrument :

BNA_N

ClientSampleId :

L-3(195FT)(0-5)

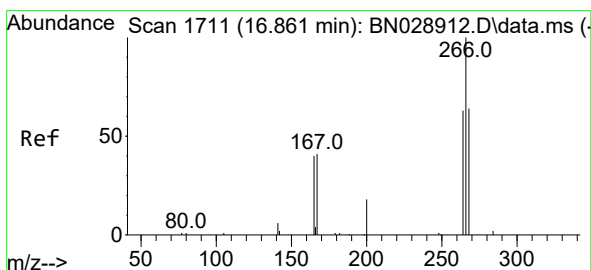
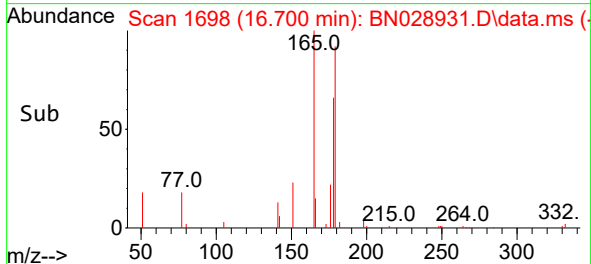
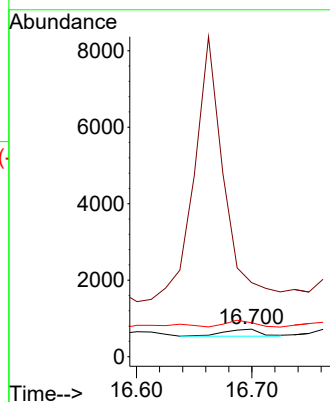
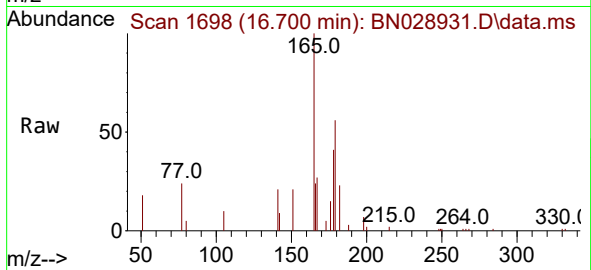
Tgt Ion:200 Resp: 410

Ion Ratio Lower Upper

200 100

173 269.4 26.2 39.4#

215 123.6 35.8 53.6#



#24

Pentachlorophenol

Concen: 0.062 ng

RT: 16.849 min Scan# 1710

Delta R.T. 0.012 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

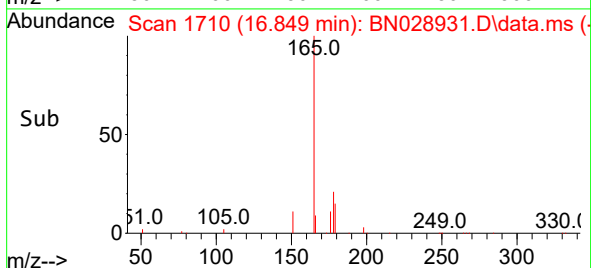
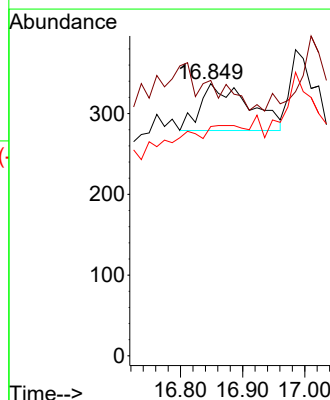
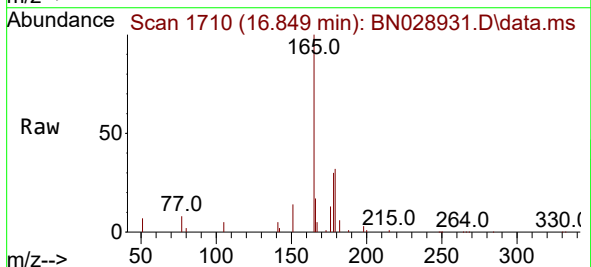
Tgt Ion:266 Resp: 317

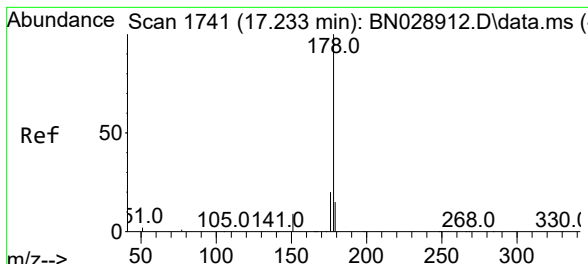
Ion Ratio Lower Upper

266 100

264 0.0 50.7 76.1#

268 45.7 54.9 82.3#



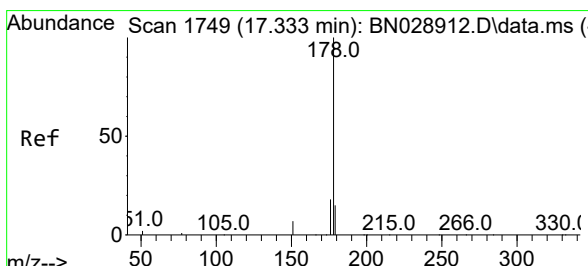
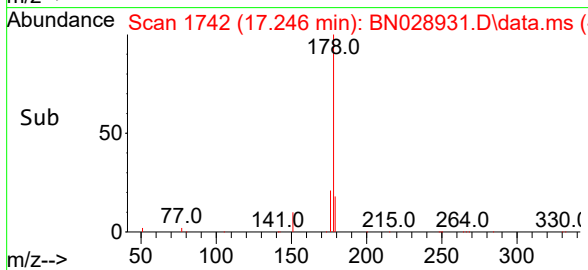
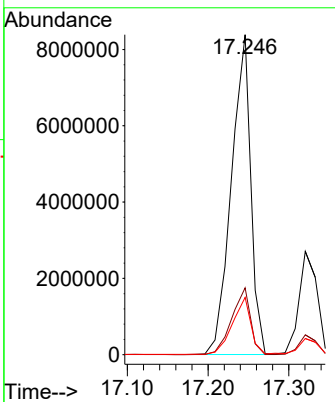
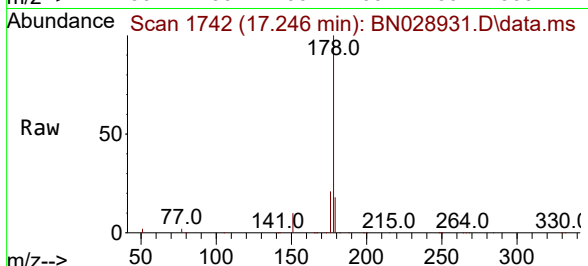


#25
 Phenanthrene
 Concen: 323.020 ng
 RT: 17.246 min Scan# 1742
 Delta R.T. 0.025 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

Instrument :
 BNA_N
 ClientSampleId :
 L-3(195FT)(0-5)

Tgt Ion:178 Resp:13946138

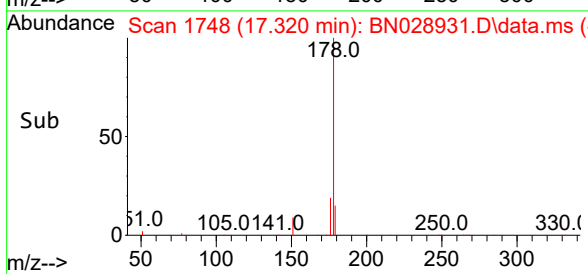
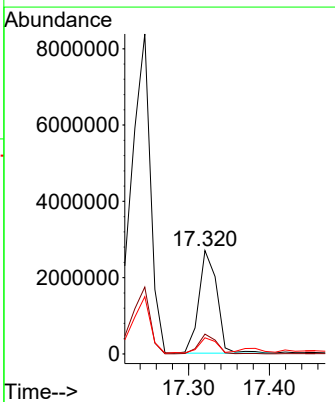
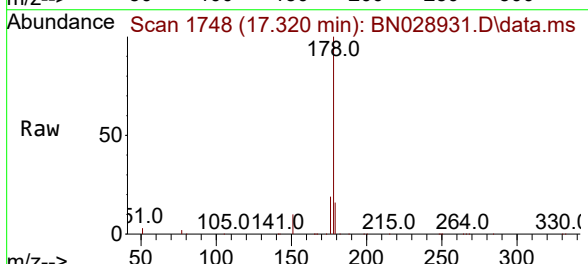
Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.4	24.6
179	17.4	14.1	21.1

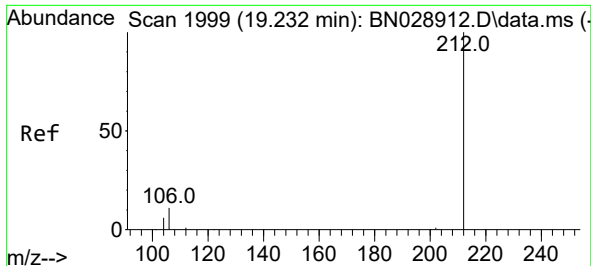


#26
 Anthracene
 Concen: 105.547 ng
 RT: 17.320 min Scan# 1748
 Delta R.T. 0.012 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

Tgt Ion:178 Resp: 4212053

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	14.6	12.2	18.2

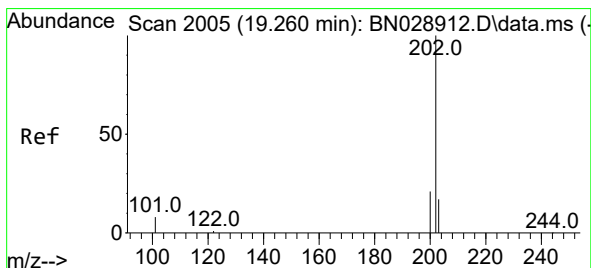
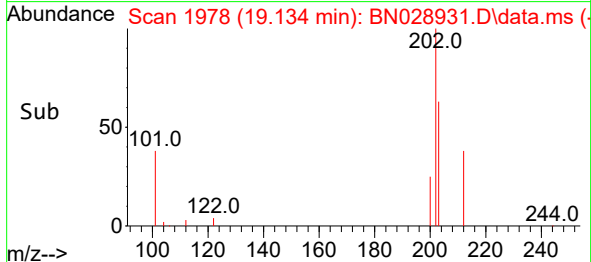
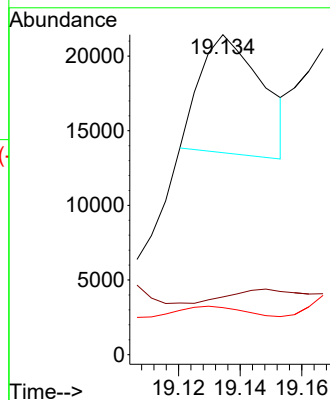
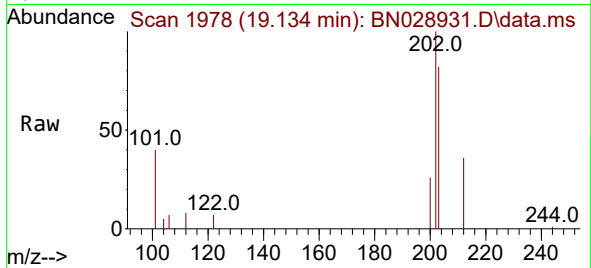




#27
Fluoranthene-d10
Concen: 0.320 ng
RT: 19.134 min Scan# 1999
Delta R.T. -0.079 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

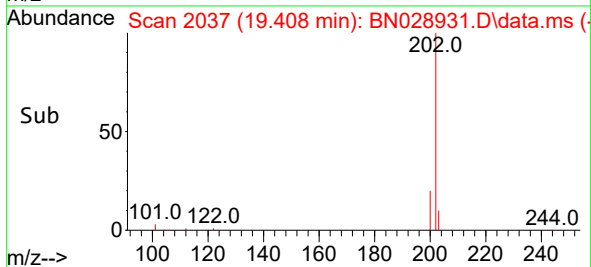
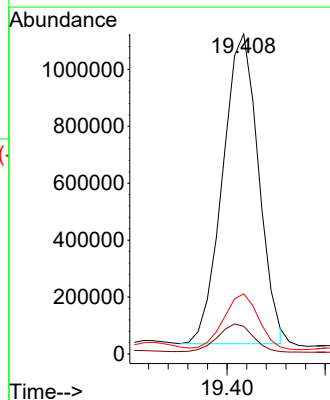
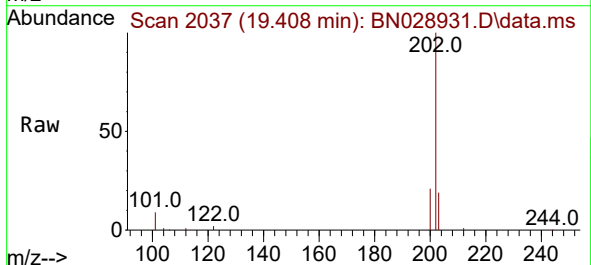
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

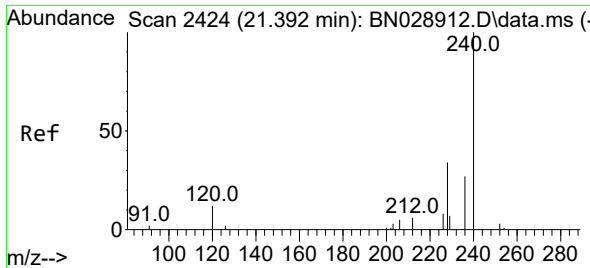
Tgt Ion:212 Resp: 11015
Ion Ratio Lower Upper
212 100
106 13.4 9.4 14.2
104 6.8 6.2 9.2



#28
Fluoranthene
Concen: 30.690 ng
RT: 19.408 min Scan# 2037
Delta R.T. 0.163 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:202 Resp: 1377851
Ion Ratio Lower Upper
202 100
101 8.6 7.3 10.9
203 16.5 14.1 21.1

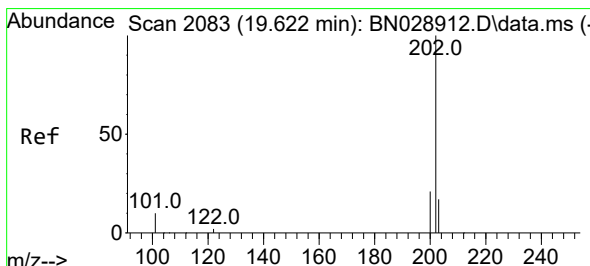
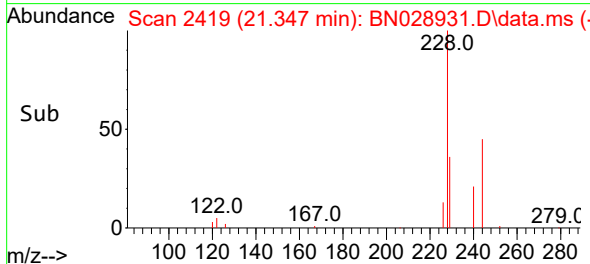
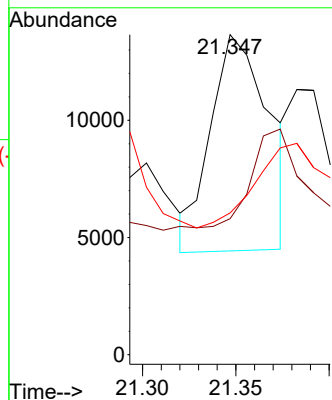
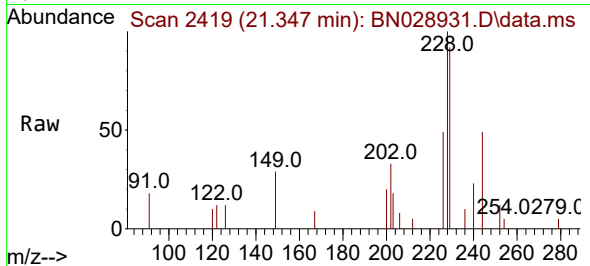




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 2419
Delta R.T. -0.027 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

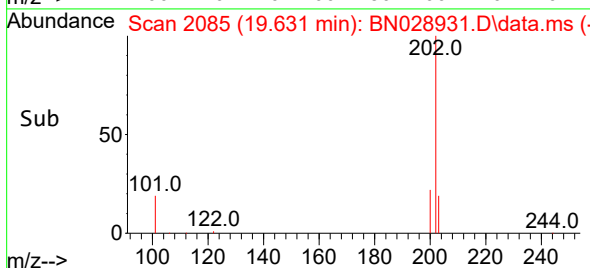
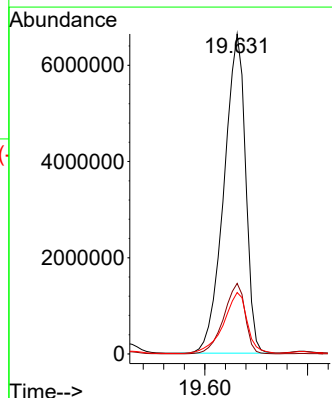
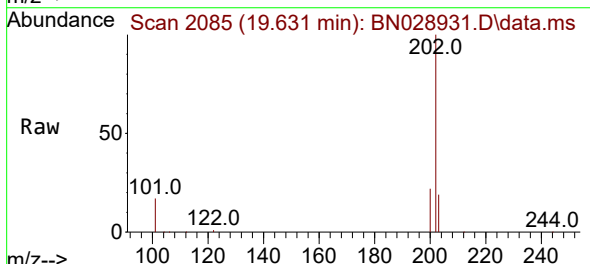
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

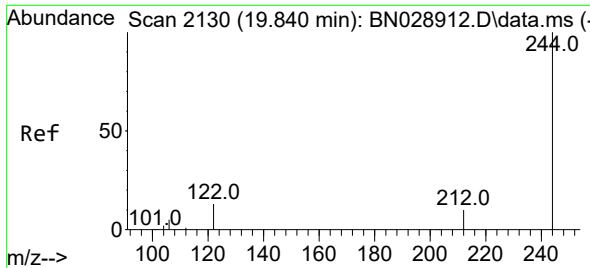
Tgt Ion:240 Resp: 20013
Ion Ratio Lower Upper
240 100
120 42.5 37.1 55.7
236 44.3 32.4 48.6



#30
Pyrene
Concen: 63.390 ng
RT: 19.631 min Scan# 2085
Delta R.T. 0.023 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:202 Resp: 9691400
Ion Ratio Lower Upper
202 100
200 21.8 16.9 25.3
203 20.9 14.8 22.2

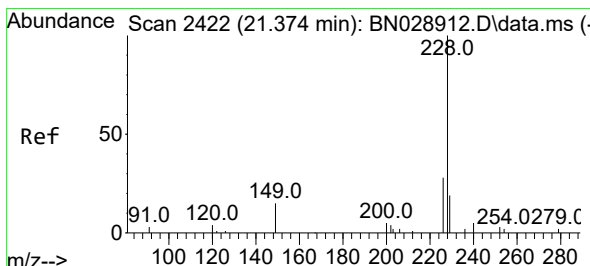
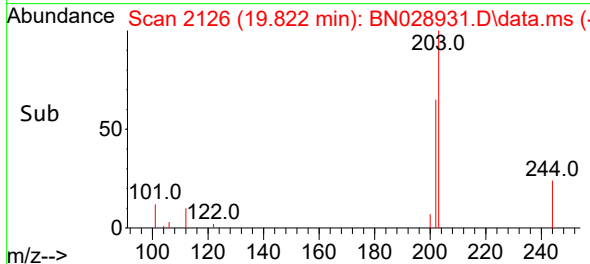
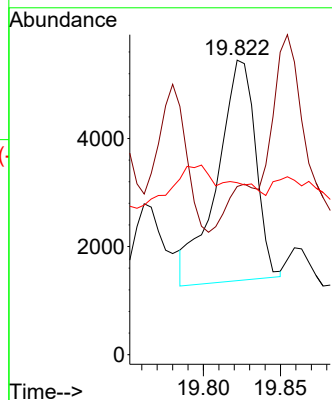
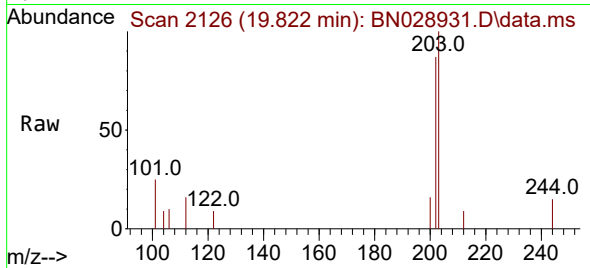




#31
 Terphenyl-d14
 Concen: 0.225 ng
 RT: 19.822 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

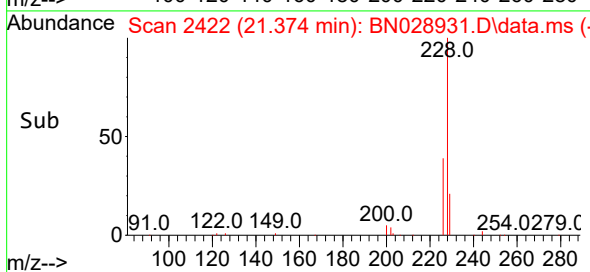
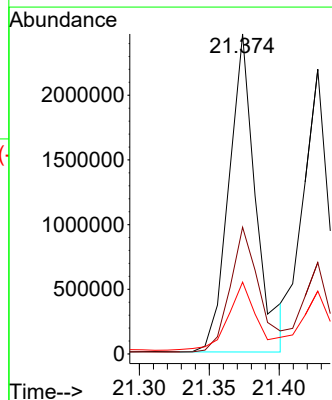
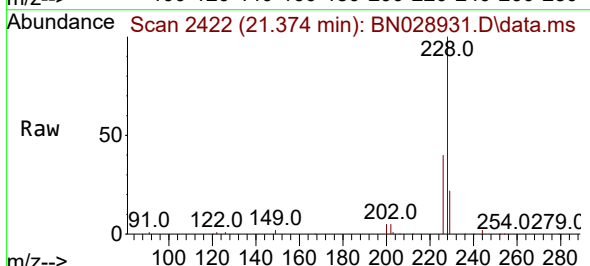
Instrument :
 BNA_N
 ClientSampleId :
 L-3(195FT)(0-5)

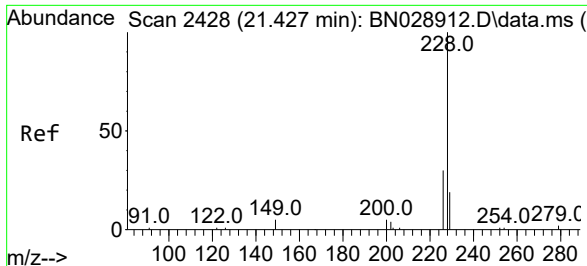
Tgt Ion:244 Resp: 7080
 Ion Ratio Lower Upper
 244 100
 212 57.1 11.5 17.3#
 122 58.4 13.2 19.8#



#32
 Benzo(a)anthracene
 Concen: 38.906 ng
 RT: 21.374 min Scan# 2422
 Delta R.T. 0.018 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

Tgt Ion:228 Resp: 3310565
 Ion Ratio Lower Upper
 228 100
 226 39.6 26.5 39.7
 229 22.4 16.4 24.6

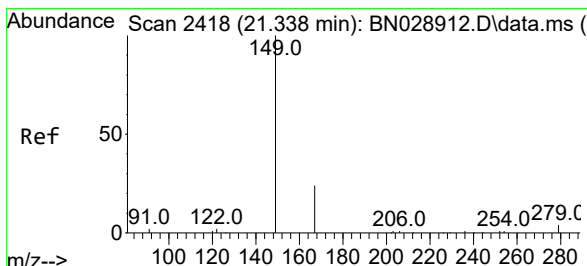
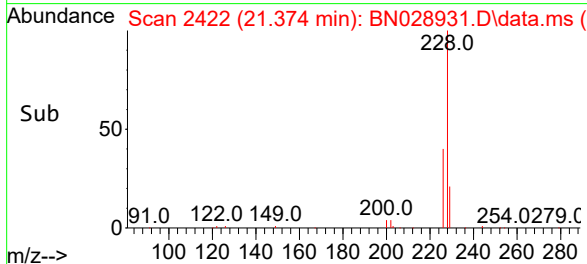
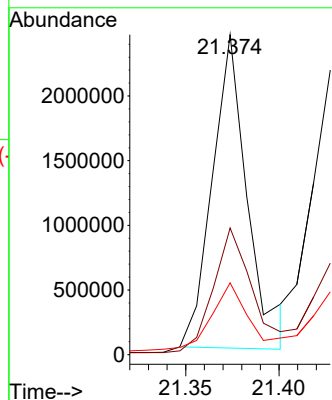
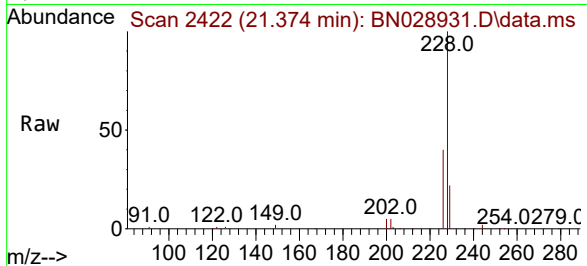




#33
Chrysene
Concen: 37.954 ng
RT: 21.374 min Scan# 2422
Delta R.T. -0.036 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

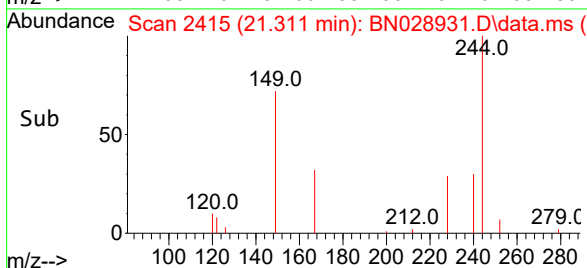
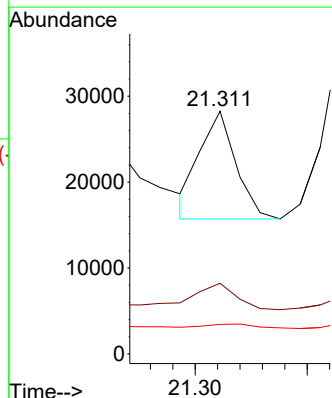
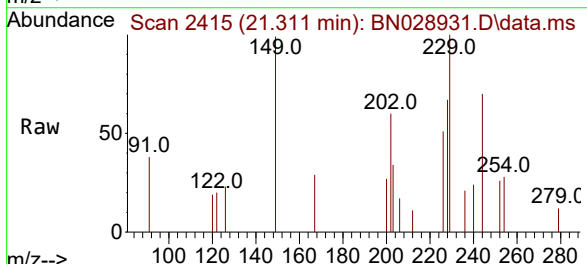
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

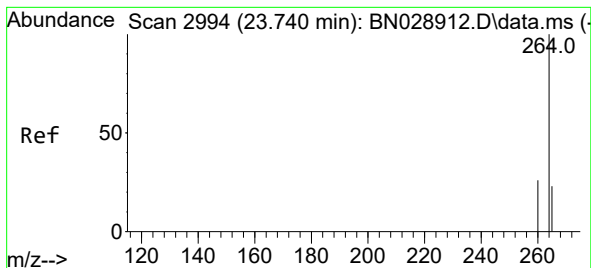
Tgt Ion:228 Resp: 3170841
Ion Ratio Lower Upper
228 100
226 39.6 28.3 42.5
229 22.4 16.4 24.6



#34
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.311 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:149 Resp: 13990
Ion Ratio Lower Upper
149 100
167 30.6 14.9 22.3#
279 6.0 6.3 9.5#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.807 min Scan# 3017

Delta R.T. 0.094 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

Instrument :

BNA_N

ClientSampleId :

L-3(195FT)(0-5)

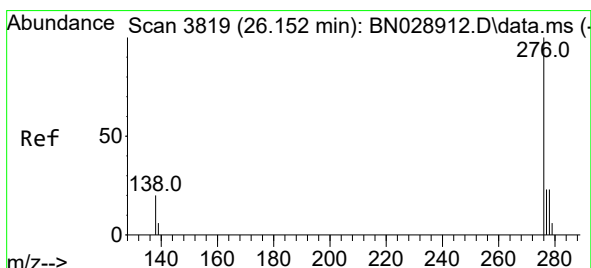
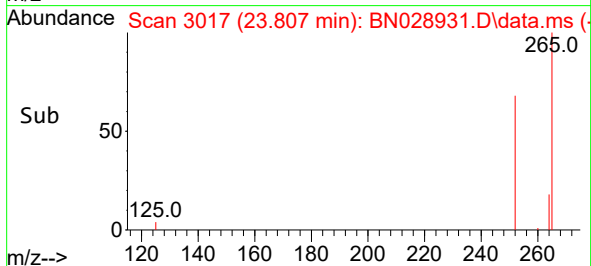
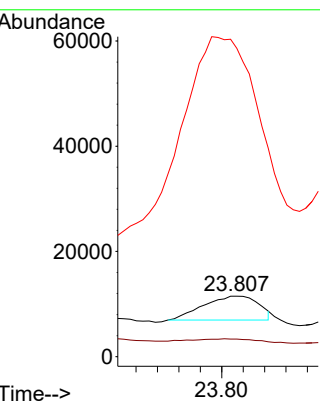
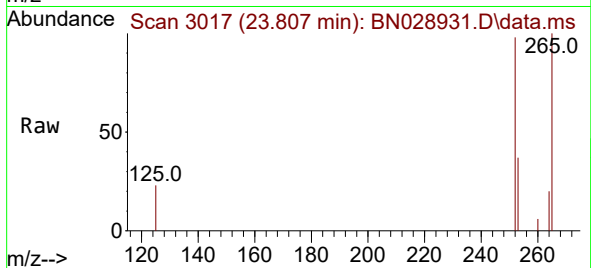
Tgt Ion:264 Resp: 8167

Ion Ratio Lower Upper

264 100

260 29.1 20.6 30.8

265 509.1 464.5 696.7



#36

Indeno(1,2,3-cd)pyrene

Concen: 24.028 ng

RT: 26.158 min Scan# 3821

Delta R.T. 0.047 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

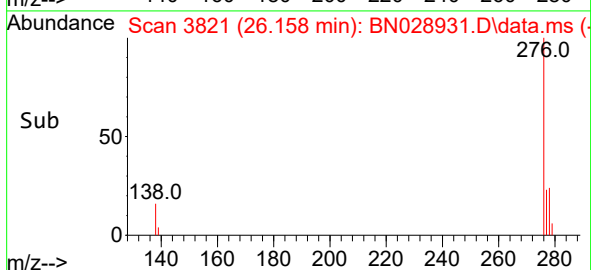
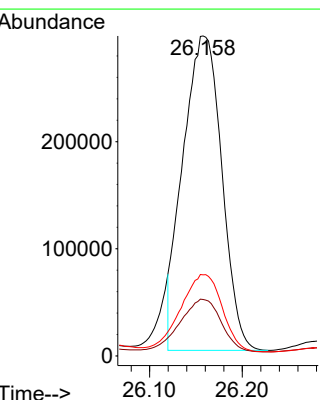
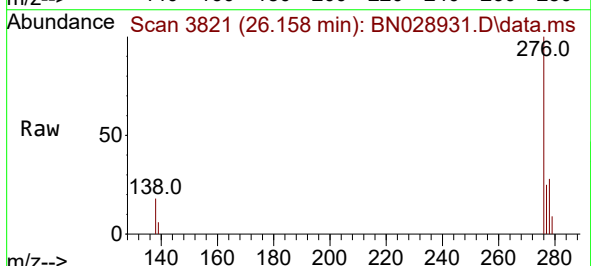
Tgt Ion:276 Resp: 855107

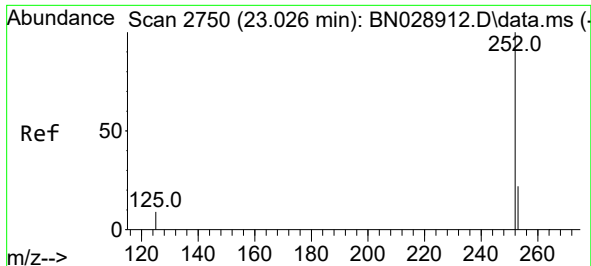
Ion Ratio Lower Upper

276 100

138 16.7 20.9 31.3#

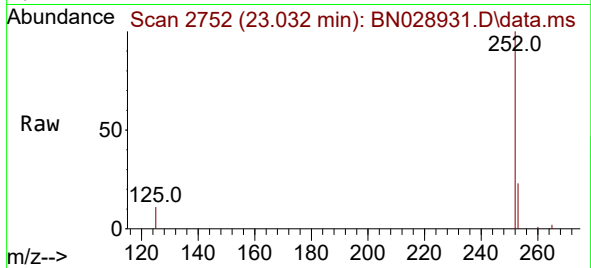
277 25.0 20.2 30.4



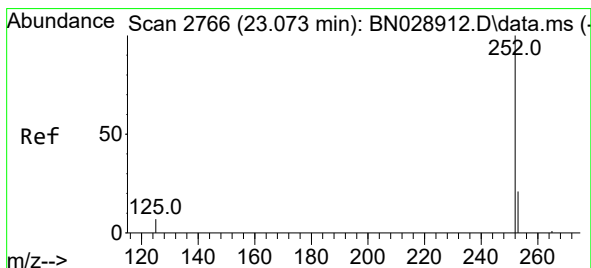
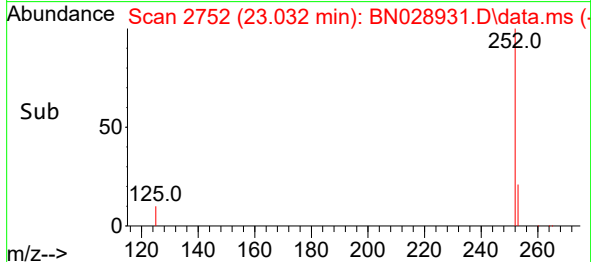
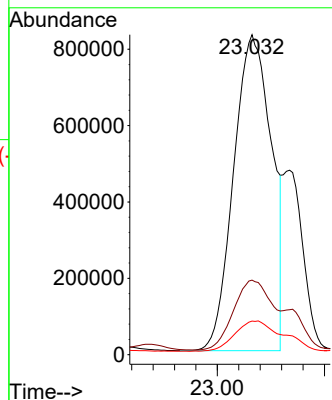


#37
Benzo(b)fluoranthene
Concen: 60.865 ng
RT: 23.032 min Scan# 2111
Delta R.T. 0.029 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

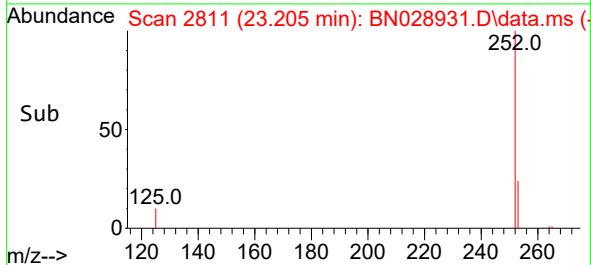
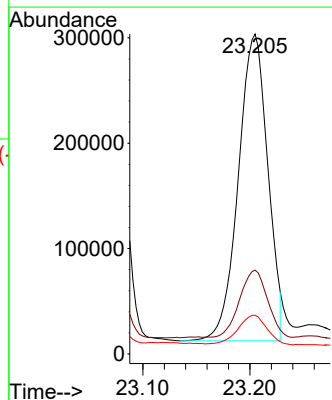
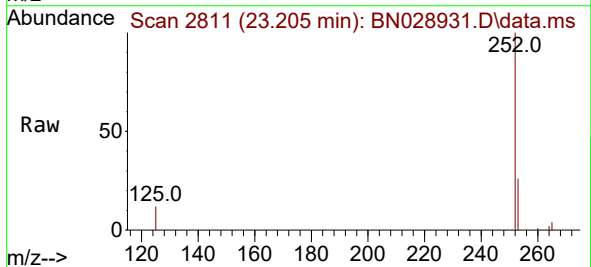


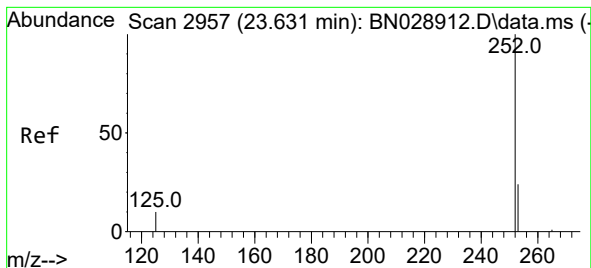
Tgt Ion:252 Resp: 2033621
Ion Ratio Lower Upper
252 100
253 23.3 94.5 141.7#
125 10.5 23.8 35.8#



#38
Benzo(k)fluoranthene
Concen: 17.601 ng
RT: 23.205 min Scan# 2811
Delta R.T. 0.155 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:252 Resp: 554837
Ion Ratio Lower Upper
252 100
253 26.2 95.2 142.8#
125 12.1 24.3 36.5#





#39

Benzo(a)pyrene

Concen: 81.976 ng

RT: 23.637 min Scan# 24

Delta R.T. 0.032 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

Instrument :

BNA_N

ClientSampleId :

L-3(195FT)(0-5)

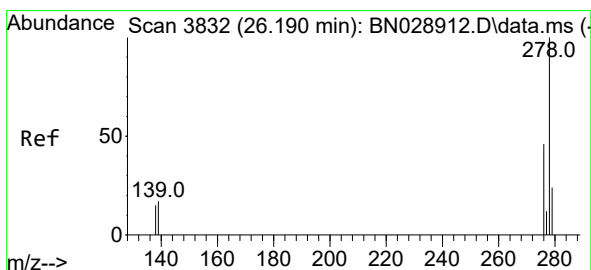
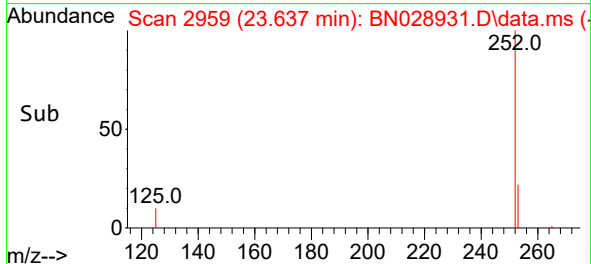
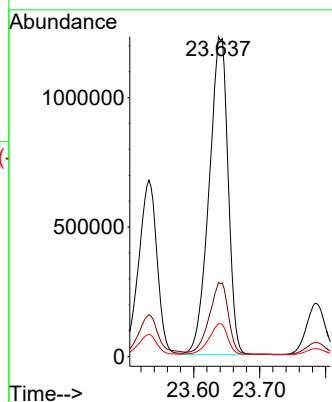
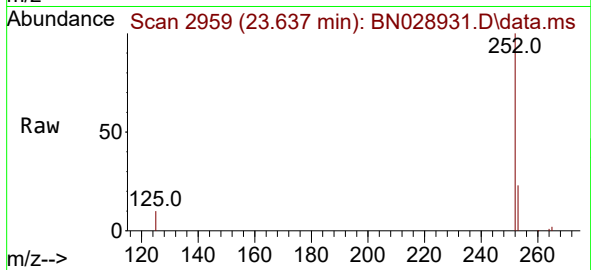
Tgt Ion:252 Resp: 2446351

Ion Ratio Lower Upper

252 100

253 23.2 110.2 165.4#

125 10.3 27.0 40.4#



#40

Dibenzo(a,h)anthracene

Concen: 3.975 ng

RT: 26.280 min Scan# 3863

Delta R.T. 0.140 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

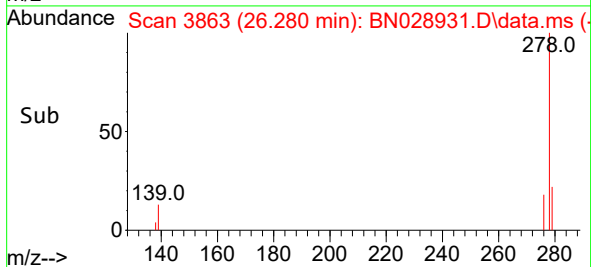
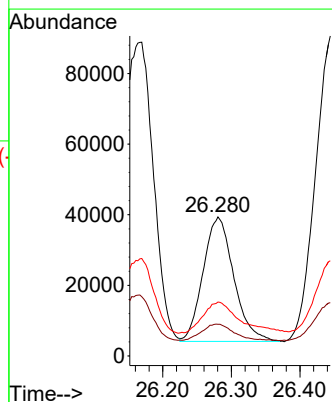
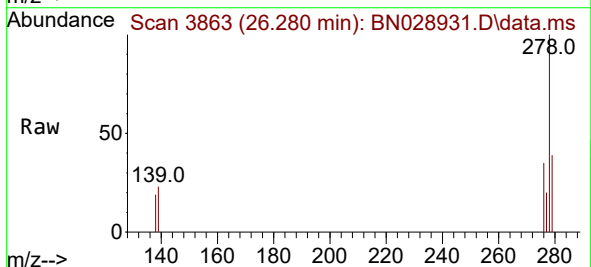
Tgt Ion:278 Resp: 109467

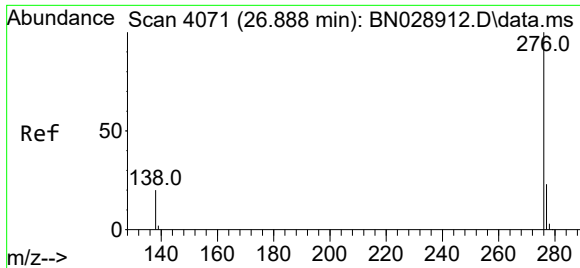
Ion Ratio Lower Upper

278 100

139 22.8 22.6 33.8

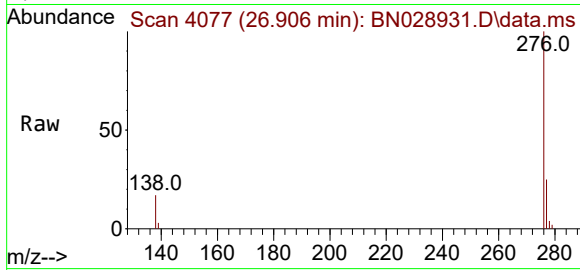
279 38.7 102.6 153.8#





#41
Benzo(g,h,i)perylene
Concen: 32.830 ng
RT: 26.906 min Scan# 4077
Delta R.T. 0.064 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



Tgt Ion:276 Resp: 1017012
Ion Ratio Lower Upper
276 100
277 24.8 28.9 43.3#
138 17.2 36.2 54.2#

