

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028926.D
 Acq On : 01 Dec 2023 01:10
 Operator : MA/JU
 Sample : 05253-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-1(65FT)(5-10)

Quant Time: Dec 01 01:45:10 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

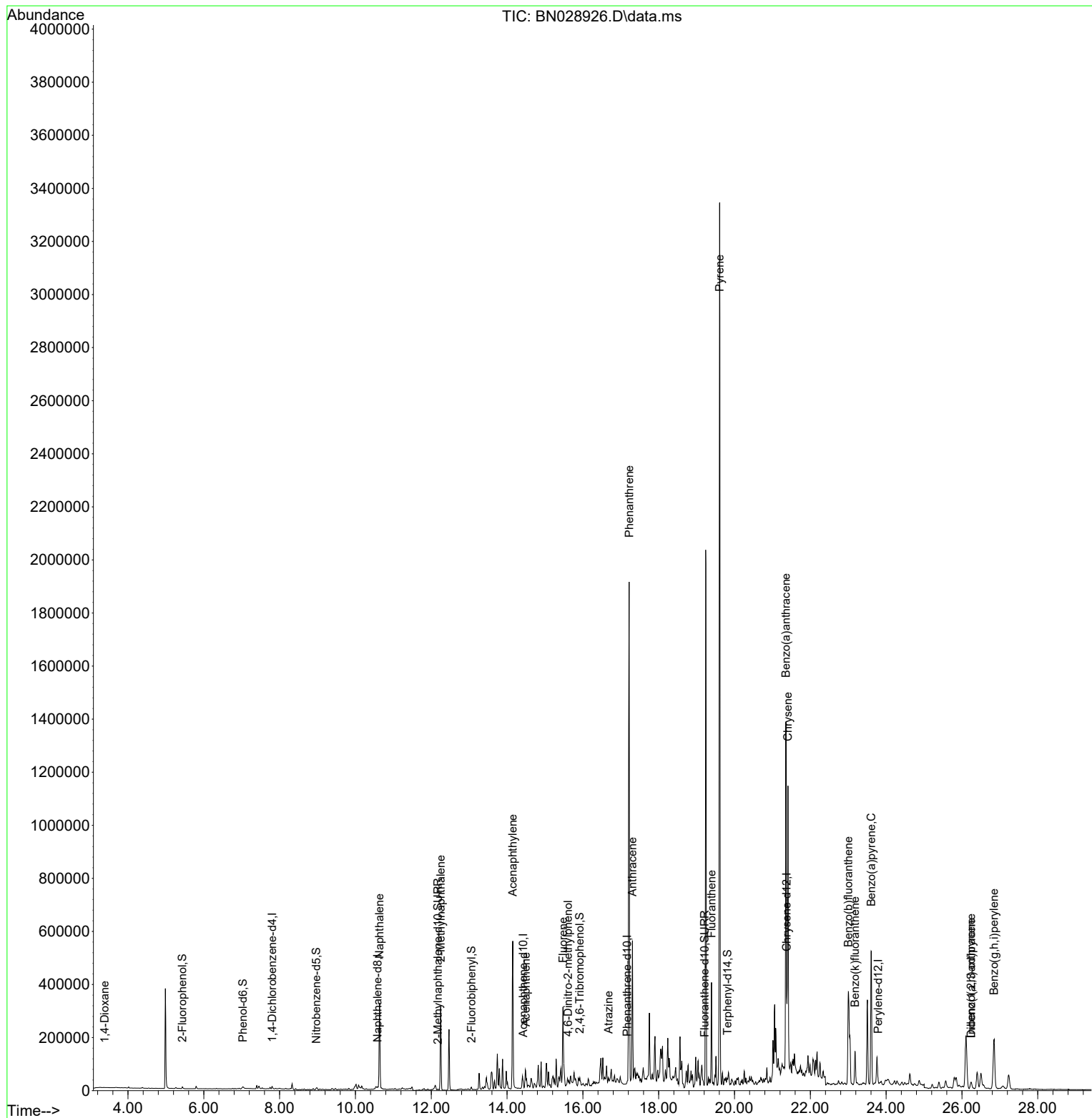
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	4527	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	13289	0.400	ng	#-0.01
13) Acenaphthene-d10	14.428	164	8455	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	14371	0.400	ng	#-0.01
29) Chrysene-d12	21.374	240	8073	0.400	ng	0.00
35) Perylene-d12	23.787	264	3796	0.400	ng	0.07
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	4112	0.300	ng	-0.01
5) Phenol-d6	7.031	99	4499	0.296	ng	-0.01
8) Nitrobenzene-d5	8.971	82	3351	0.254	ng	-0.01
11) 2-Methylnaphthalene-d10	12.174	152	5879	0.276	ng	-0.01
14) 2,4,6-Tribromophenol	15.918	330	1081	0.189	ng	-0.01
15) 2-Fluorobiphenyl	13.060	172	7690	0.211	ng	-0.01
27) Fluoranthene-d10	19.213	212	11526	0.305	ng	0.00
31) Terphenyl-d14	19.817	244	9259	0.401	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.384	88	102	0.023	ng	# 23
9) Naphthalene	10.637	128	402331	9.527	ng	99
12) 2-Methylnaphthalene	12.250	142	208689	7.864	ng	99
16) Acenaphthylene	14.150	152	588214	13.133	ng	100
17) Acenaphthene	14.492	154	36583	1.231	ng	# 89
18) Fluorene	15.476	166	203371	5.404	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.607	198	186	0.059	ng	# 1
23) Atrazine	16.675	200	197	0.023	ng	# 1
25) Phenanthrene	17.221	178	1919553	40.454	ng	97
26) Anthracene	17.308	178	520242	11.862	ng	99
28) Fluoranthene	19.395	202	314134	6.366	ng	98
30) Pyrene	19.608	202	2960867	48.032	ng	99
32) Benzo(a)anthracene	21.356	228	1045757	30.466	ng	98
33) Chrysene	21.410	228	863514	25.623	ng	95
34) Bis(2-ethylhexyl)phtha...	21.302	149	4679	Below Cal		# 67
36) Indeno(1,2,3-cd)pyrene	26.242	276	9408	0.569	ng	# 44
37) Benzo(b)fluoranthene	23.003	252	696139	44.826	ng	# 24
38) Benzo(k)fluoranthene	23.178	252	184215	12.572	ng	# 27
39) Benzo(a)pyrene	23.605	252	729954	52.626	ng	# 15
40) Dibenzo(a,h)anthracene	26.242	278	40085	3.131	ng	# 34
41) Benzo(g,h,i)perylene	26.845	276	415964	28.889	ng	# 67

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

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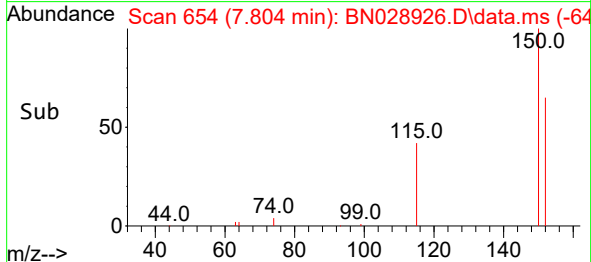
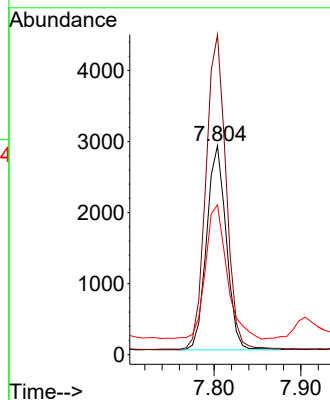
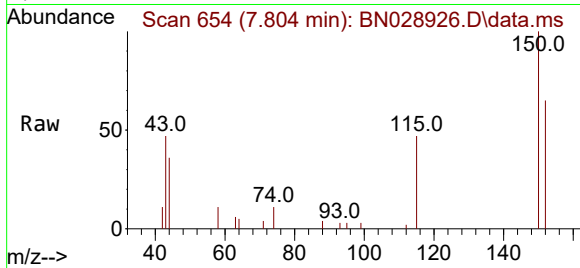




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028926.D
 Acq: 01 Dec 2023 01:10

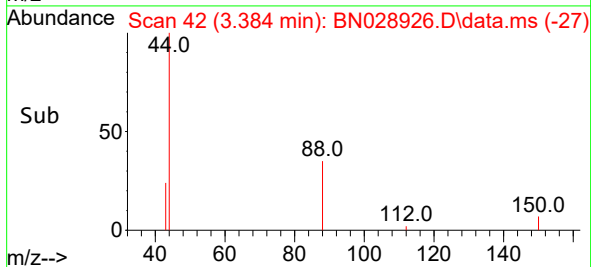
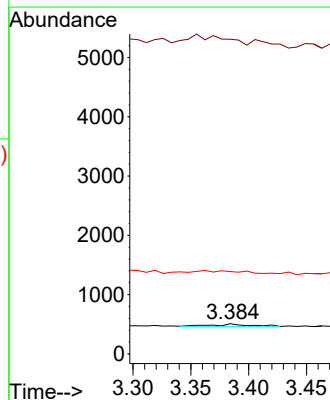
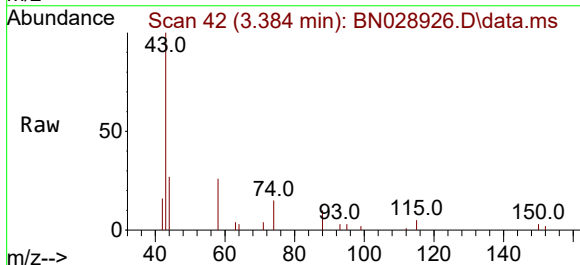
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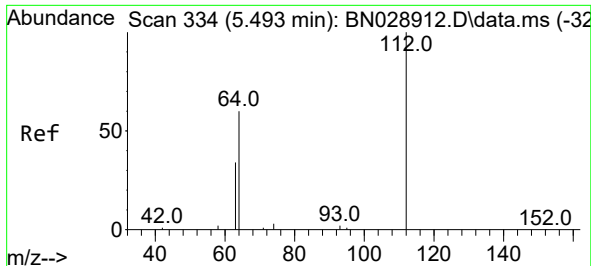
Tgt Ion:152 Resp: 4527
 Ion Ratio Lower Upper
 152 100
 150 153.0 123.4 185.2
 115 71.6 59.1 88.7



#2
 1,4-Dioxane
 Concen: 0.023 ng
 RT: 3.384 min Scan# 42
 Delta R.T. 0.007 min
 Lab File: BN028926.D
 Acq: 01 Dec 2023 01:10

Tgt Ion: 88 Resp: 102
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.9 44.9#
 58 0.0 55.0 82.4#

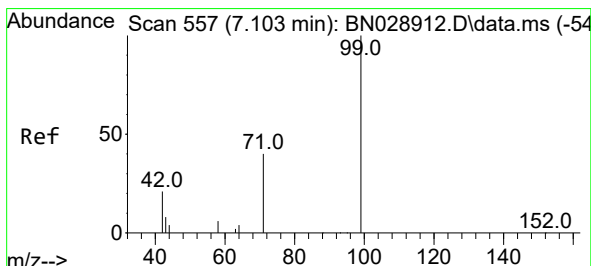
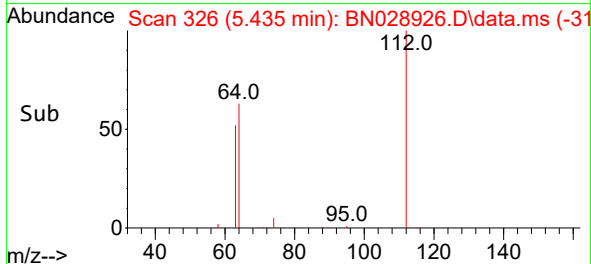
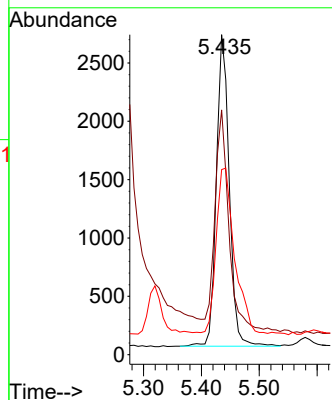
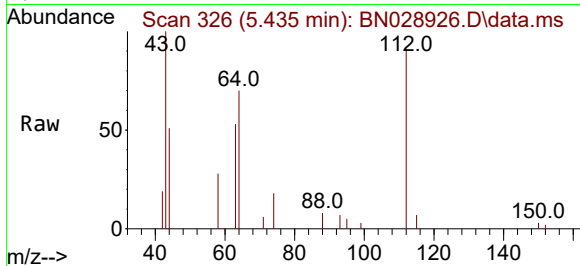




#4
2-Fluorophenol
Concen: 0.300 ng
RT: 5.435 min Scan# 311
Delta R.T. -0.014 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

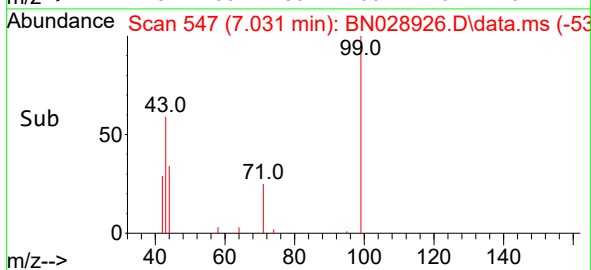
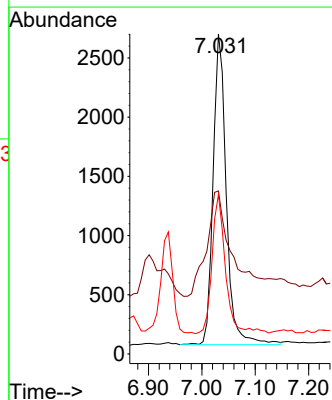
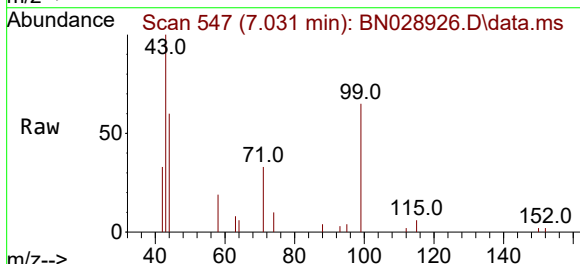
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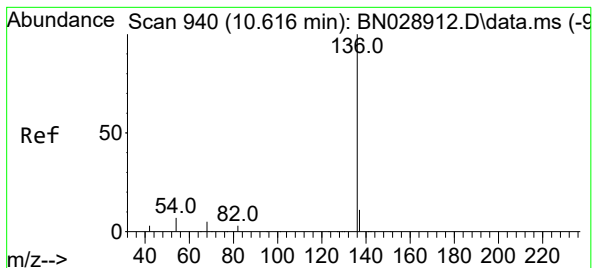
Tgt Ion:112 Resp: 4112
Ion Ratio Lower Upper
112 100
64 78.3 51.5 77.3#
63 75.3 30.4 45.6#



#5
Phenol-d6
Concen: 0.296 ng
RT: 7.031 min Scan# 547
Delta R.T. -0.014 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion: 99 Resp: 4499
Ion Ratio Lower Upper
99 100
42 73.9 21.2 31.8#
71 44.4 35.4 53.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.584 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion:136 Resp: 13289

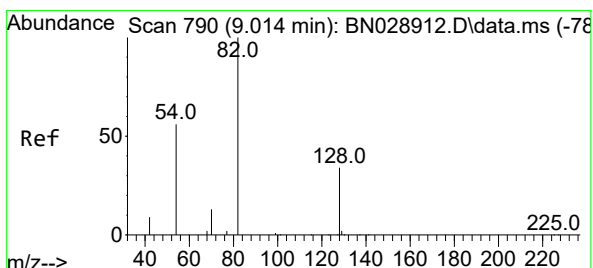
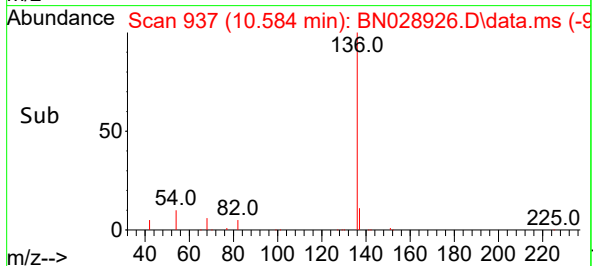
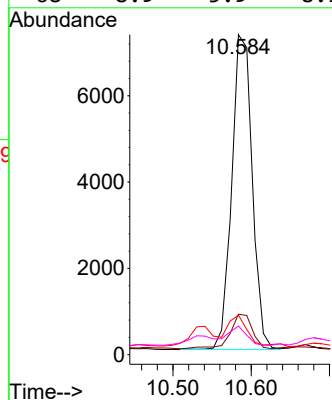
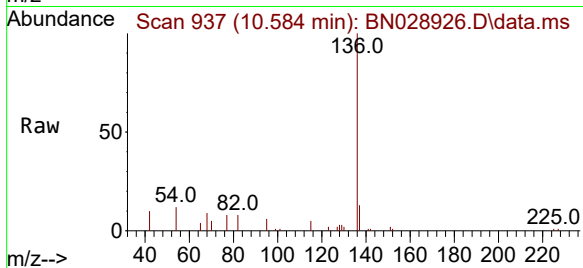
Ion Ratio Lower Upper

136 100

137 12.7 10.6 16.0

54 12.3 7.5 11.3#

68 8.9 5.9 8.9#



#8

Nitrobenzene-d5

Concen: 0.254 ng

RT: 8.971 min Scan# 786

Delta R.T. -0.011 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

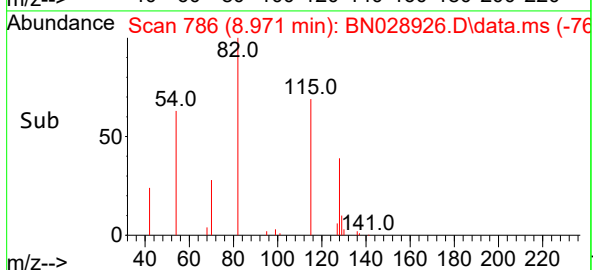
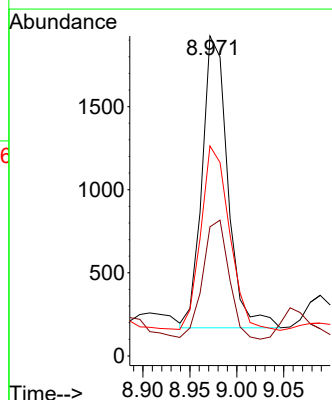
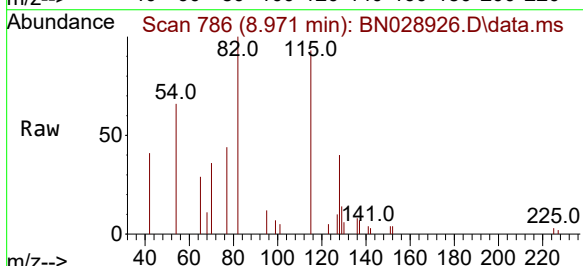
Tgt Ion: 82 Resp: 3351

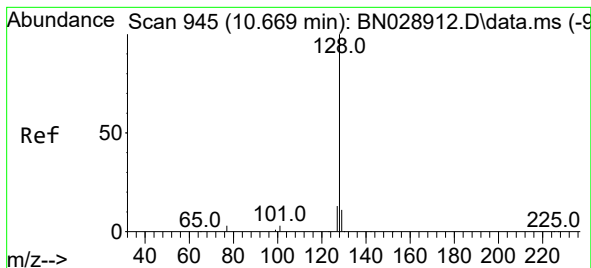
Ion Ratio Lower Upper

82 100

128 40.4 29.2 43.8

54 65.6 47.0 70.6





#9

Naphthalene

Concen: 9.527 ng

RT: 10.637 min Scan# 94

Delta R.T. -0.011 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

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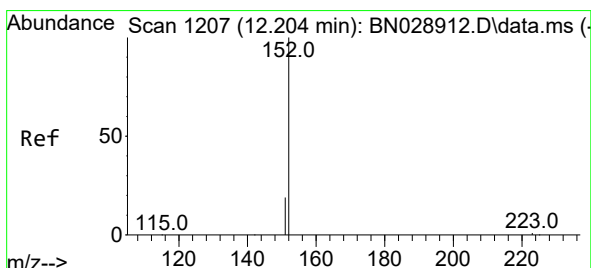
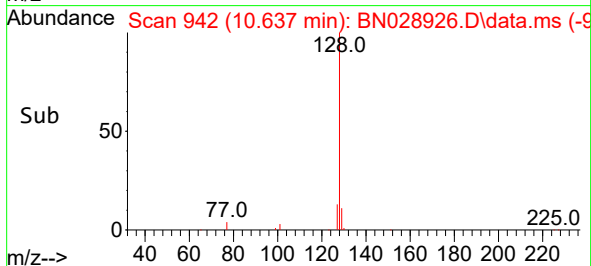
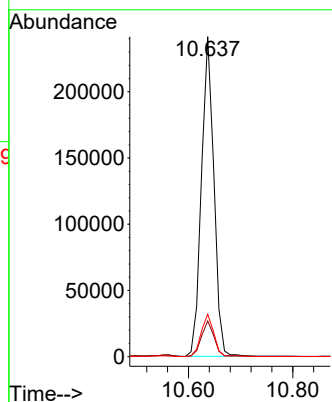
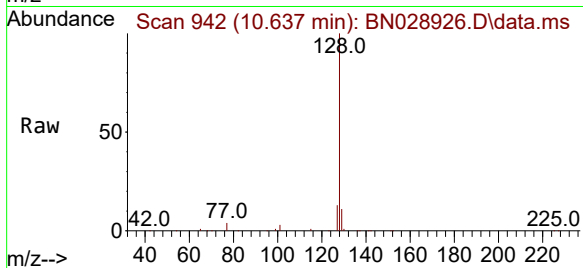
Tgt Ion:128 Resp: 402331

Ion Ratio Lower Upper

128 100

129 11.1 9.5 14.3

127 13.3 11.0 16.4



#11

2-Methylnaphthalene-d10

Concen: 0.276 ng

RT: 12.174 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BN028926.D

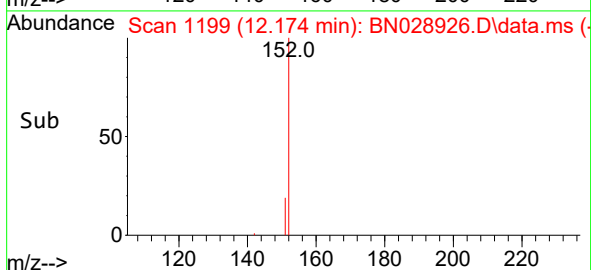
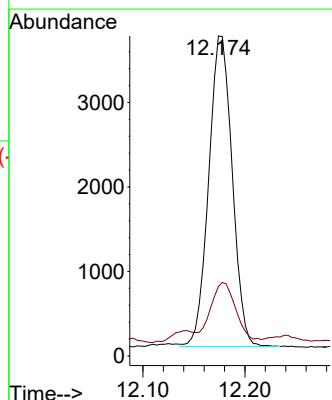
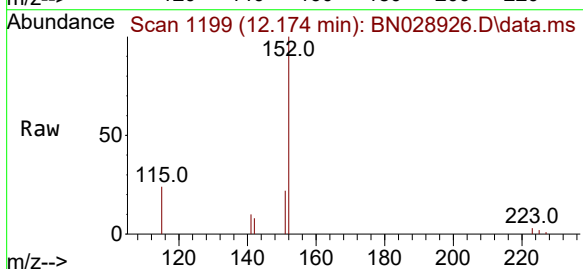
Acq: 01 Dec 2023 01:10

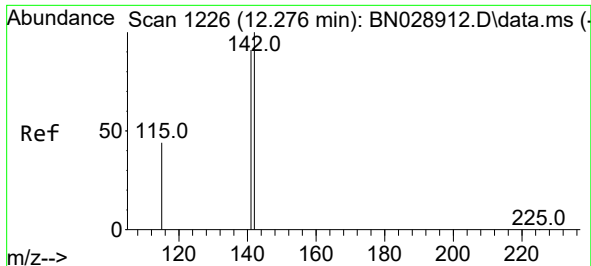
Tgt Ion:152 Resp: 5879

Ion Ratio Lower Upper

152 100

151 21.4 16.7 25.1

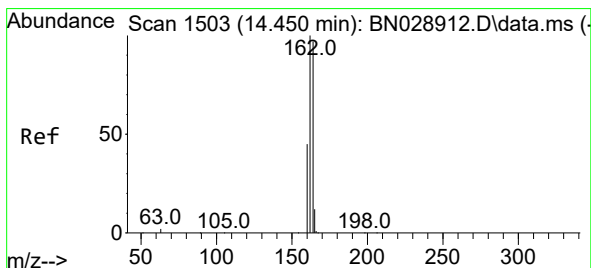
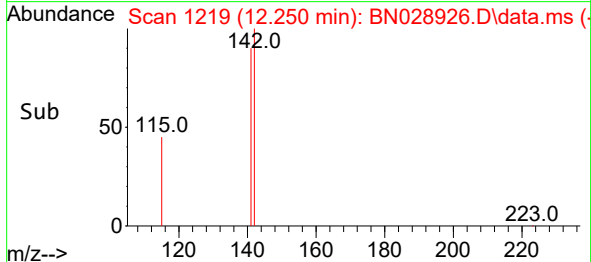
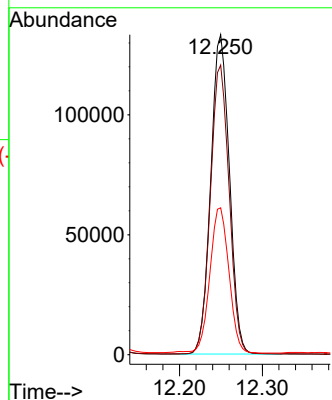
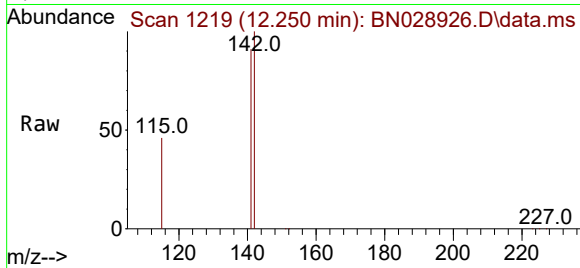




#12
2-Methylnaphthalene
Concen: 7.864 ng
RT: 12.250 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

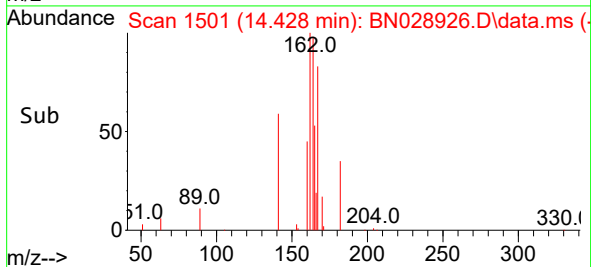
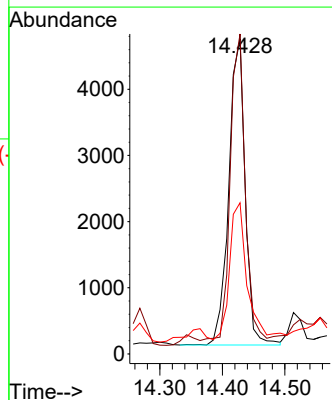
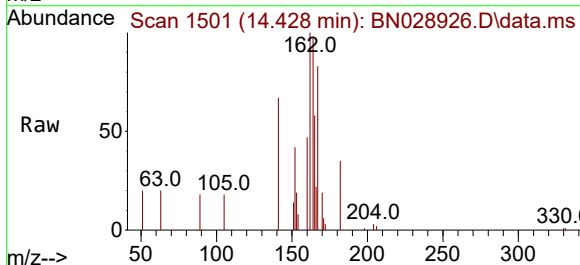
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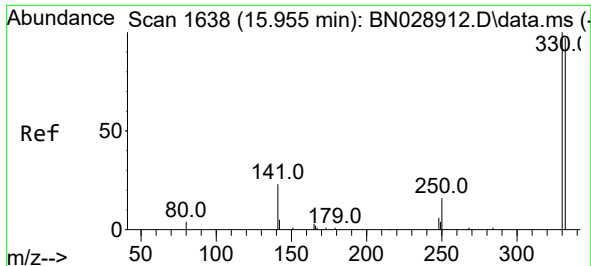
Tgt Ion:142 Resp: 208689
Ion Ratio Lower Upper
142 100
141 90.5 73.1 109.7
115 45.9 37.6 56.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.428 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:164 Resp: 8455
Ion Ratio Lower Upper
164 100
162 101.6 81.7 122.5
160 48.0 37.0 55.6

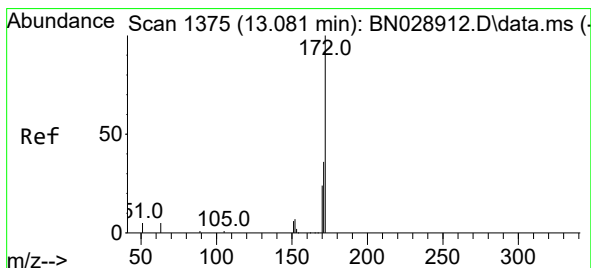
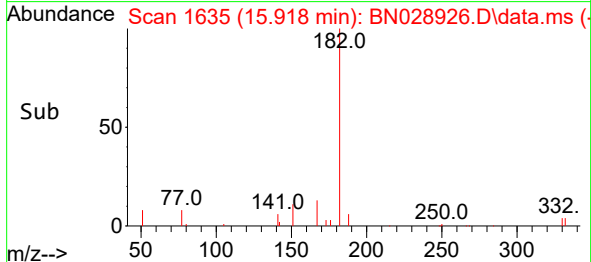
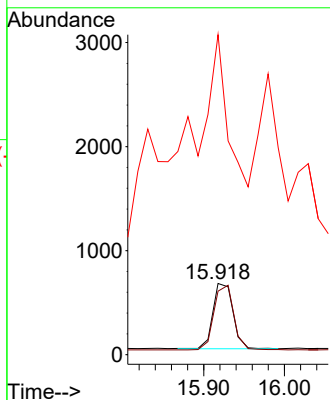
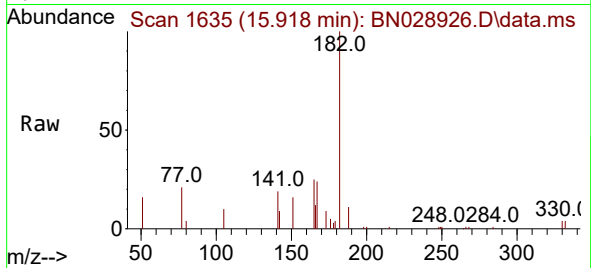




#14
2,4,6-Tribromophenol
Concen: 0.189 ng
RT: 15.918 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

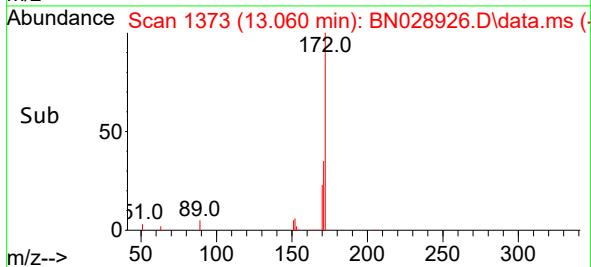
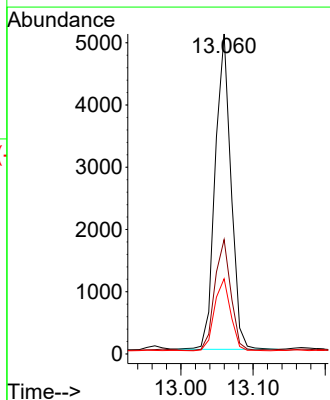
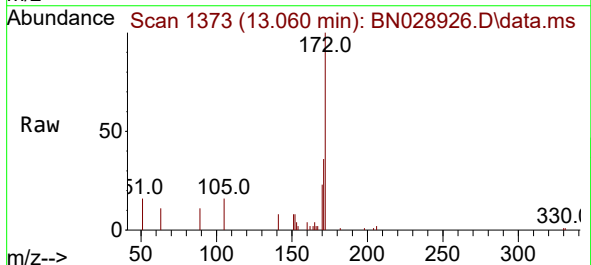
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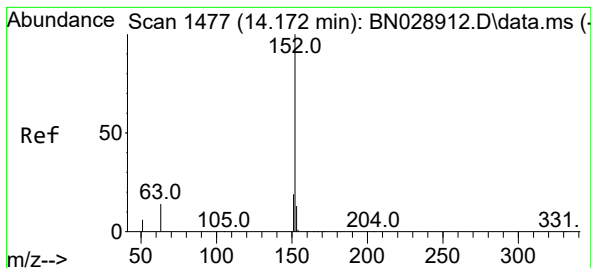
Tgt Ion:330 Resp: 1081
Ion Ratio Lower Upper
330 100
332 98.7 75.4 113.2
141 285.9 35.7 53.5#



#15
2-Fluorobiphenyl
Concen: 0.211 ng
RT: 13.060 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:172 Resp: 7690
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.4
170 23.5 19.7 29.5





#16

Acenaphthylene

Concen: 13.133 ng

RT: 14.150 min Scan# 14

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

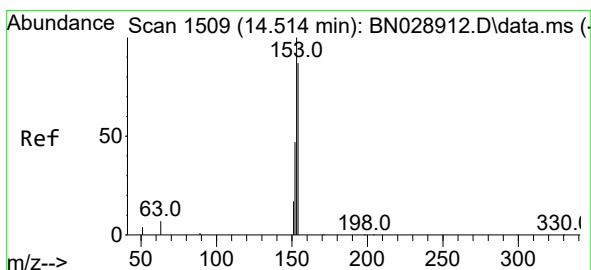
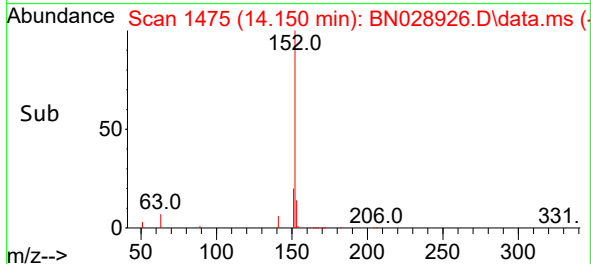
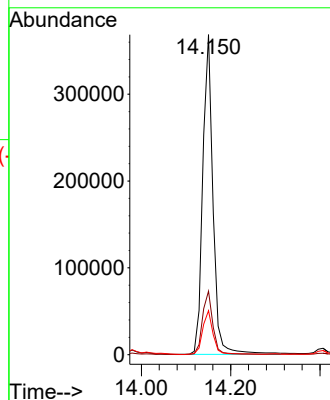
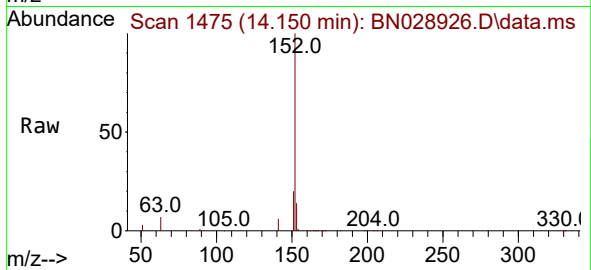
Tgt Ion:152 Resp: 588214

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.7 10.8 16.2



#17

Acenaphthene

Concen: 1.231 ng

RT: 14.492 min Scan# 1507

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

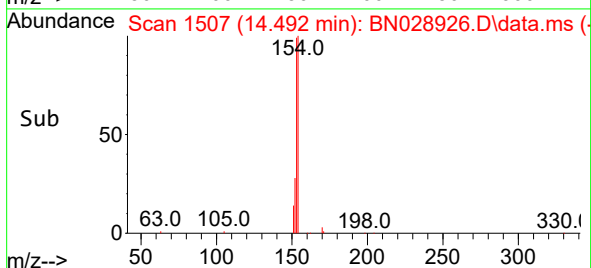
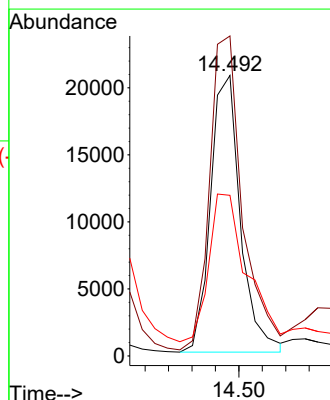
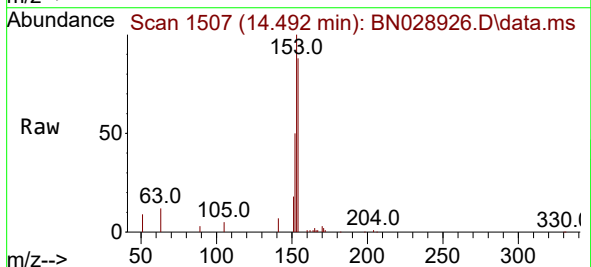
Tgt Ion:154 Resp: 36583

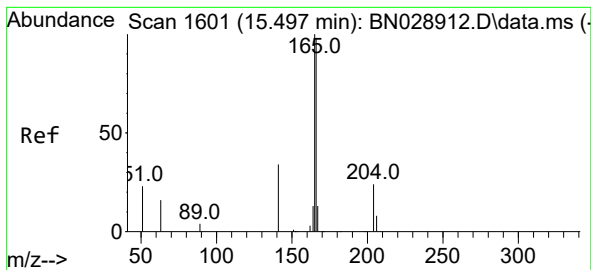
Ion Ratio Lower Upper

154 100

153 124.8 93.8 140.6

152 68.9 44.5 66.7#





#18

Fluorene

Concen: 5.404 ng

RT: 15.476 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

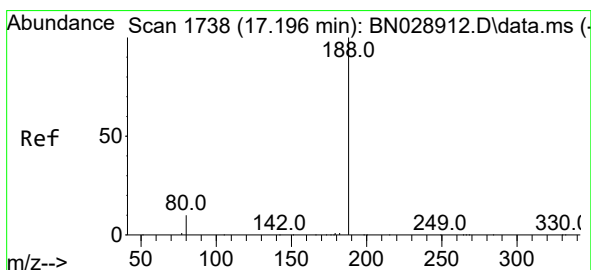
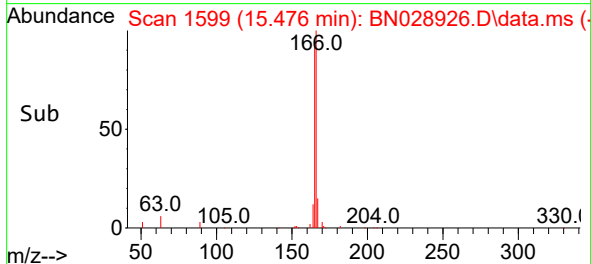
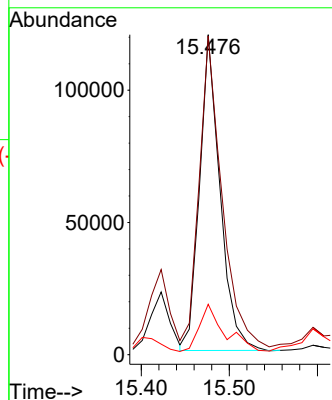
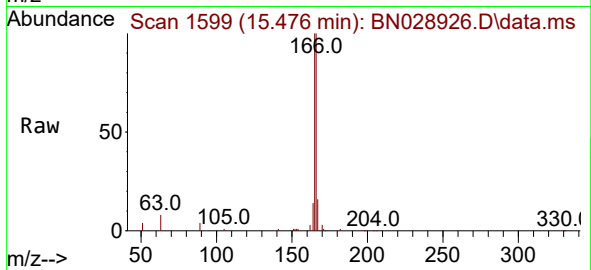
Tgt Ion:166 Resp: 203371

Ion Ratio Lower Upper

166 100

165 107.1 79.4 119.2

167 17.9 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: BN028926.D

Acq: 01 Dec 2023 01:10

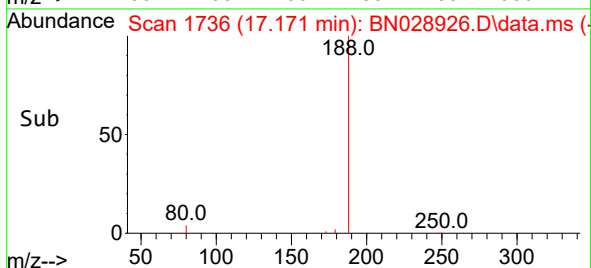
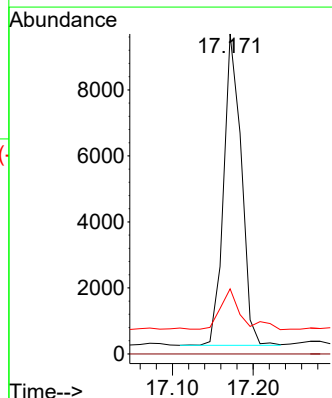
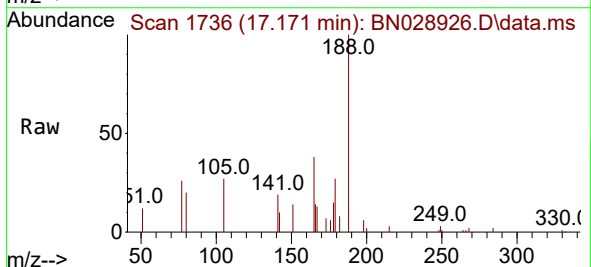
Tgt Ion:188 Resp: 14371

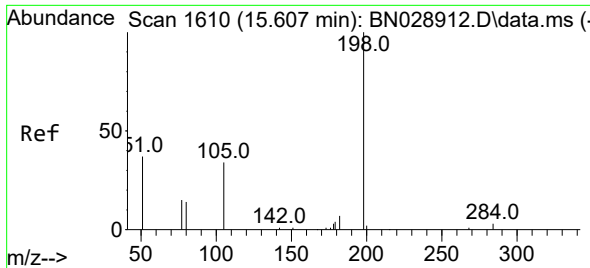
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 20.4 9.0 13.6#

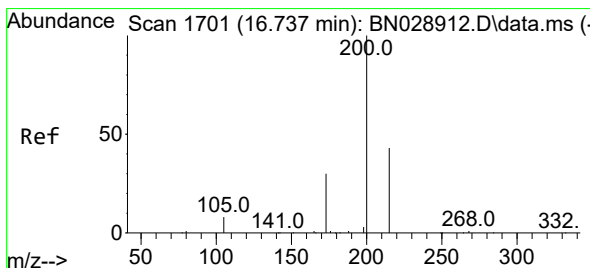
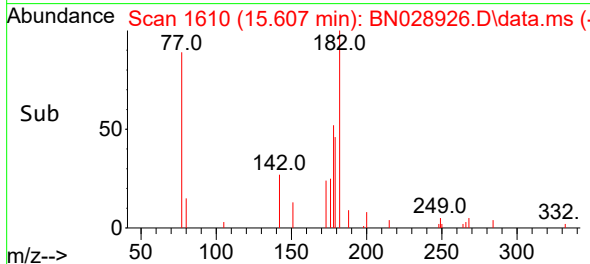
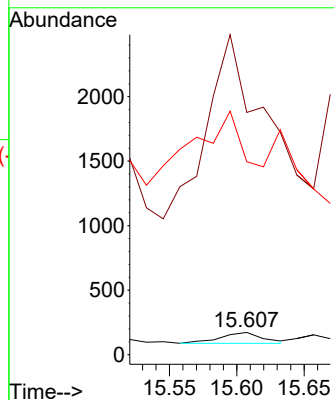
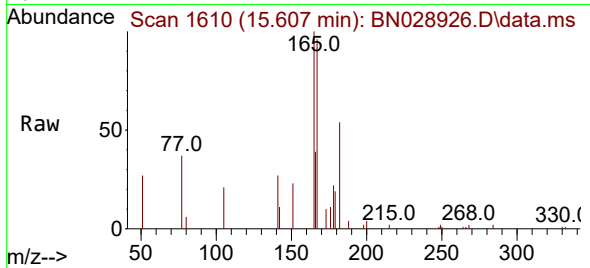




#20
4,6-Dinitro-2-methylphenol
Concen: 0.059 ng
RT: 15.607 min Scan# 1610
Delta R.T. 0.037 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

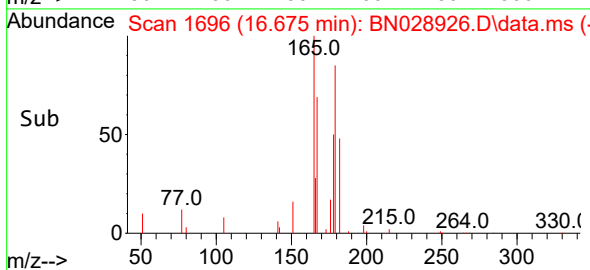
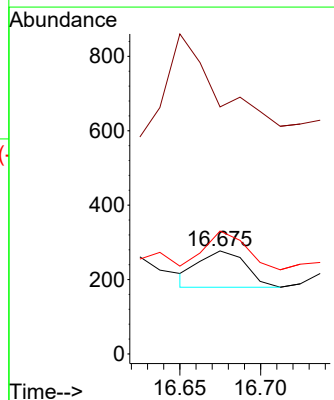
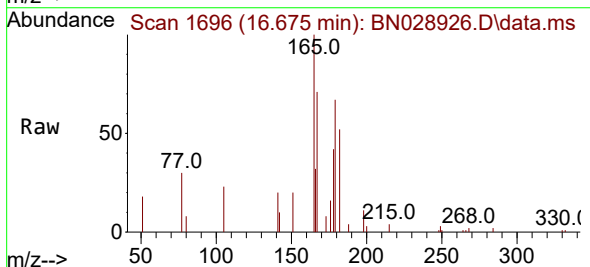
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)

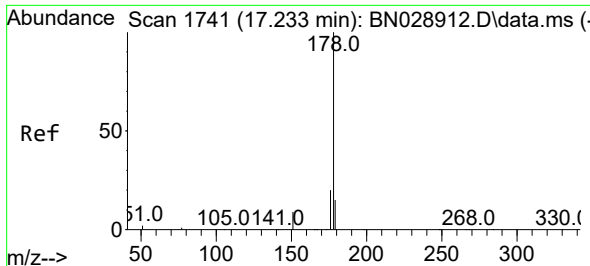
Tgt Ion:198 Resp: 186
Ion Ratio Lower Upper
198 100
51 1085.0 76.2 114.4#
105 864.7 64.9 97.3#



#23
Atrazine
Concen: 0.023 ng
RT: 16.675 min Scan# 1696
Delta R.T. -0.012 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:200 Resp: 197
Ion Ratio Lower Upper
200 100
173 239.7 26.2 39.4#
215 119.1 35.8 53.6#

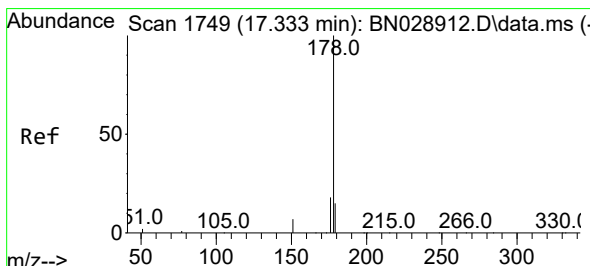
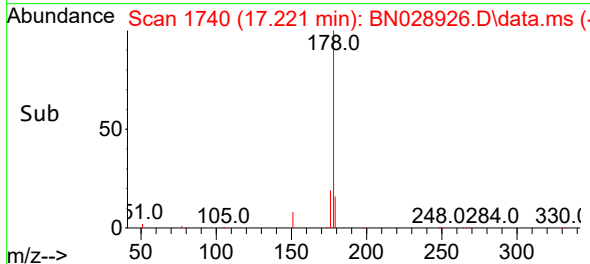
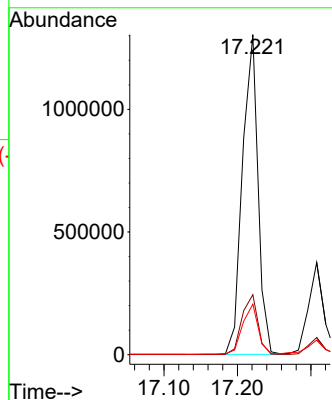
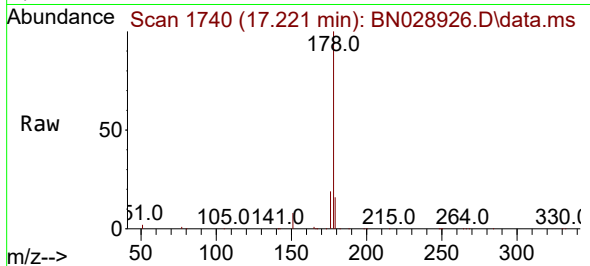




#25
Phenanthrene
Concen: 40.454 ng
RT: 17.221 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

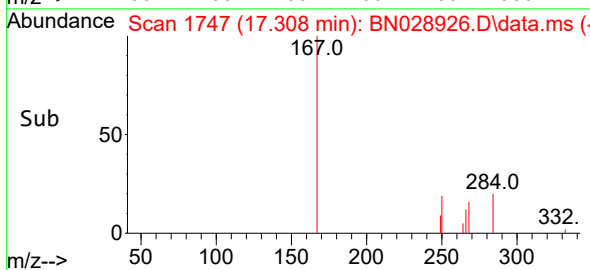
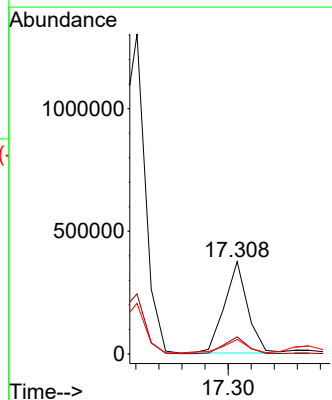
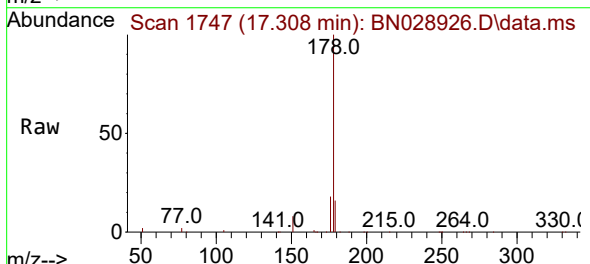
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)

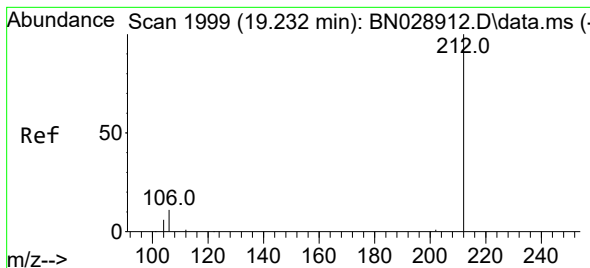
Tgt Ion:178 Resp: 1919553
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.8 14.1 21.1



#26
Anthracene
Concen: 11.862 ng
RT: 17.308 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:178 Resp: 520242
Ion Ratio Lower Upper
178 100
176 18.4 15.2 22.8
179 15.5 12.2 18.2





#27

Fluoranthene-d10

Concen: 0.305 ng

RT: 19.213 min Scan# 1999

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

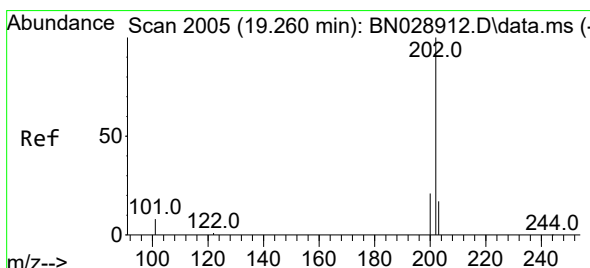
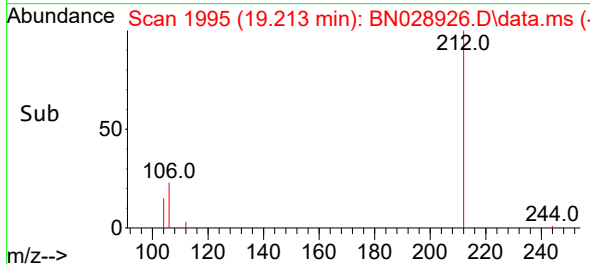
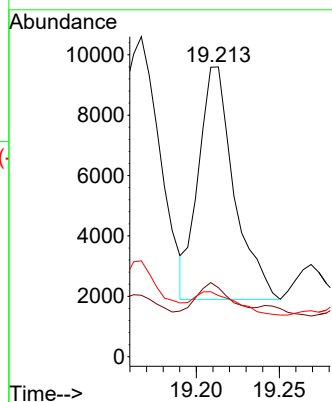
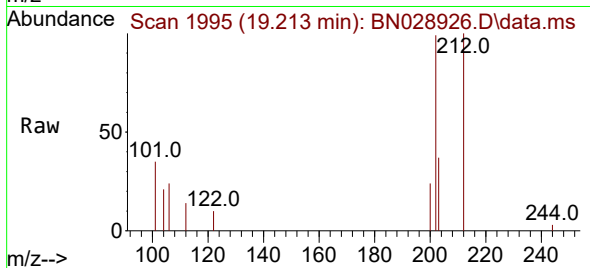
Tgt Ion:212 Resp: 11526

Ion Ratio Lower Upper

212 100

106 10.6 9.4 14.2

104 14.6 6.2 9.2#



#28

Fluoranthene

Concen: 6.366 ng

RT: 19.395 min Scan# 2034

Delta R.T. 0.149 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

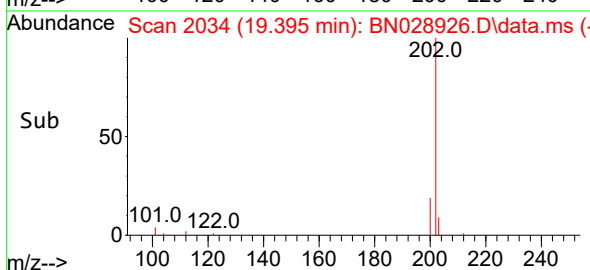
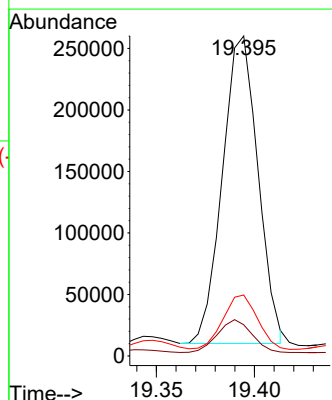
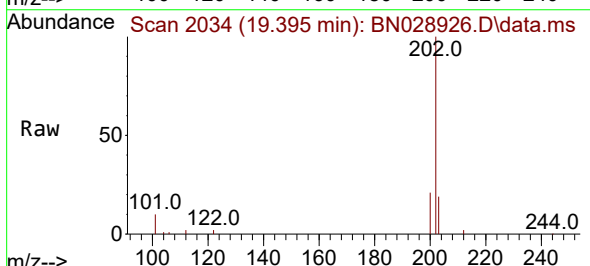
Tgt Ion:202 Resp: 314134

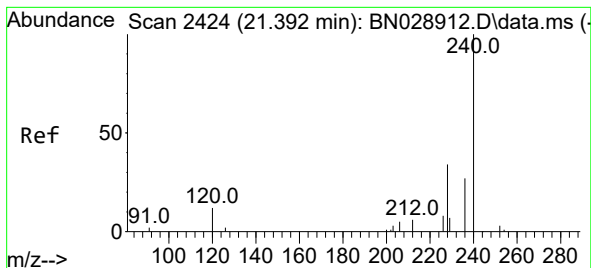
Ion Ratio Lower Upper

202 100

101 10.3 7.3 10.9

203 16.7 14.1 21.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.374 min Scan# 2422

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

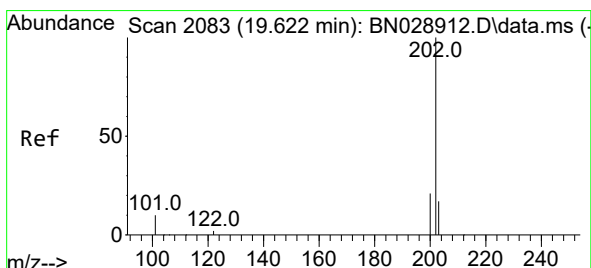
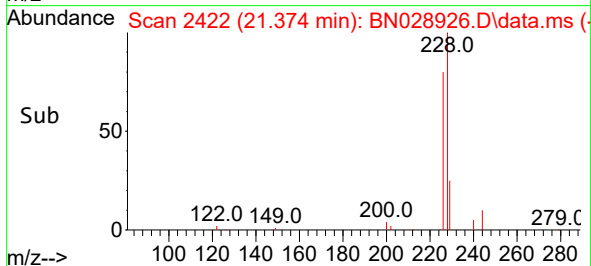
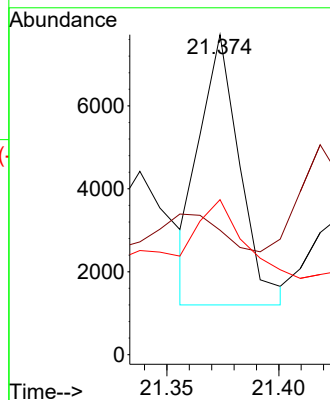
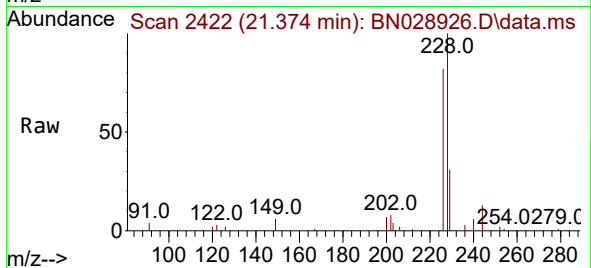
Tgt Ion:240 Resp: 8073

Ion Ratio Lower Upper

240 100

120 38.9 37.1 55.7

236 48.5 32.4 48.6



#30

Pyrene

Concen: 48.032 ng

RT: 19.608 min Scan# 2080

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

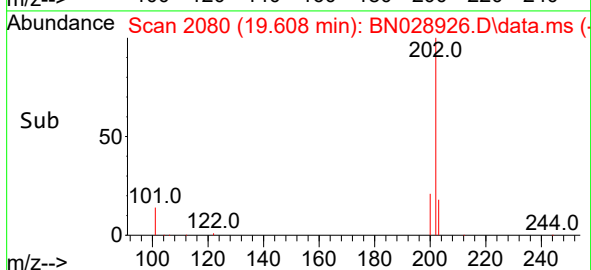
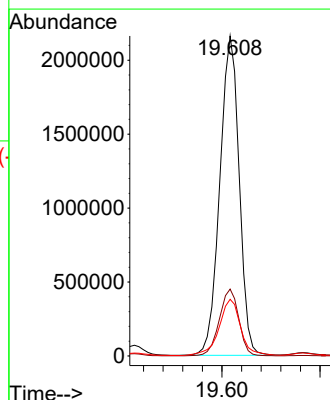
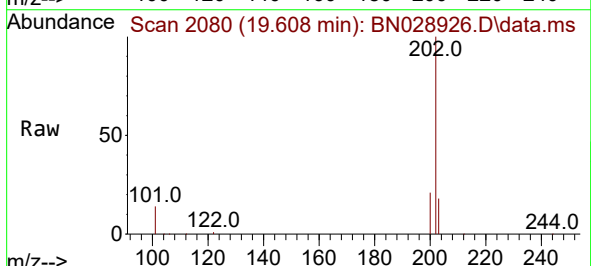
Tgt Ion:202 Resp: 2960867

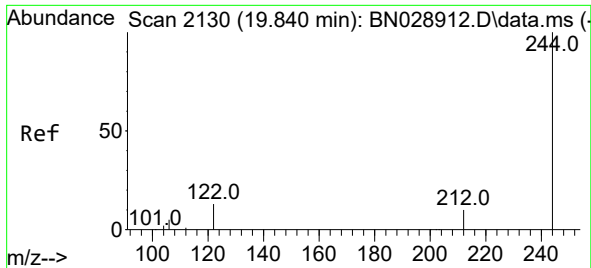
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 19.5 14.8 22.2

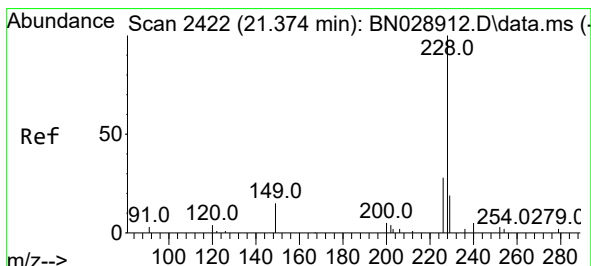
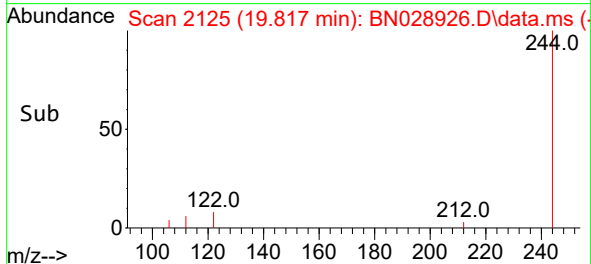
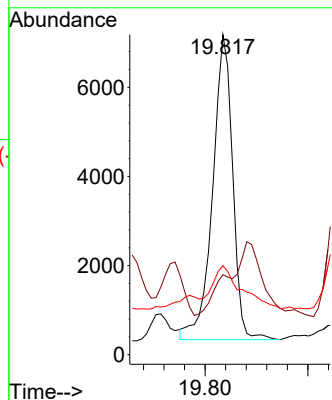
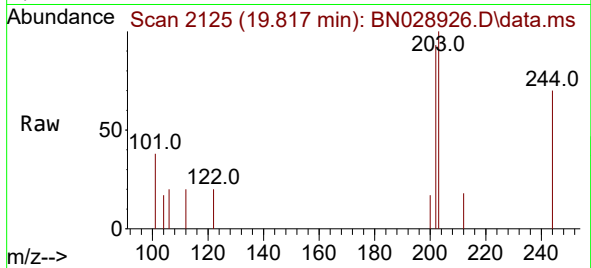




#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.817 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

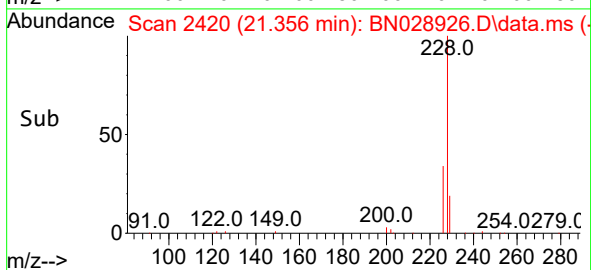
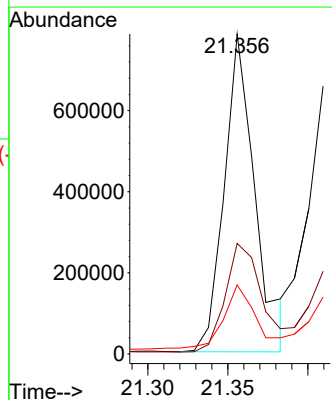
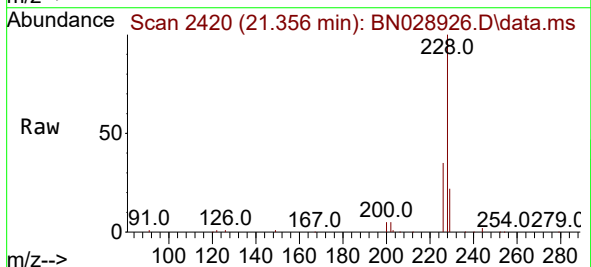
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)

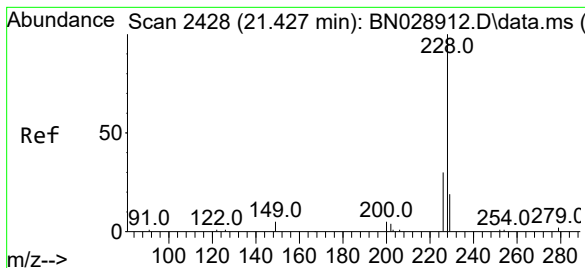
Tgt Ion:244 Resp: 9259
Ion Ratio Lower Upper
244 100
212 25.0 11.5 17.3#
122 27.8 13.2 19.8#



#32
Benzo(a)anthracene
Concen: 30.466 ng
RT: 21.356 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:228 Resp: 1045757
Ion Ratio Lower Upper
228 100
226 34.6 26.5 39.7
229 21.6 16.4 24.6





#33

Chrysene

Concen: 25.623 ng

RT: 21.410 min Scan# 2426

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

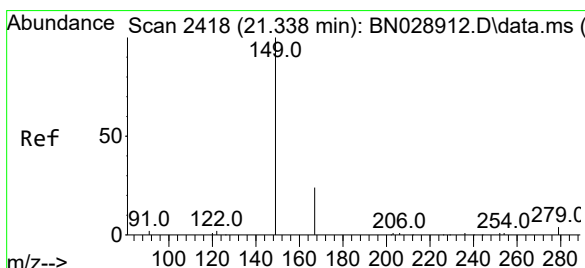
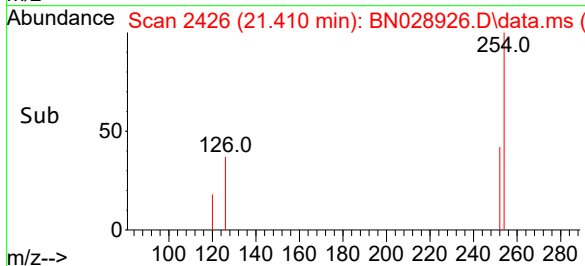
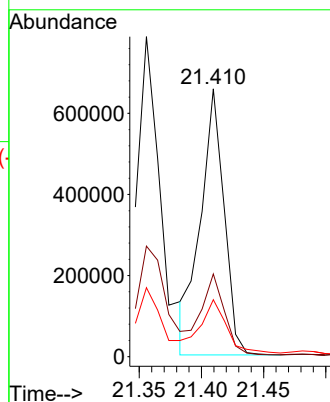
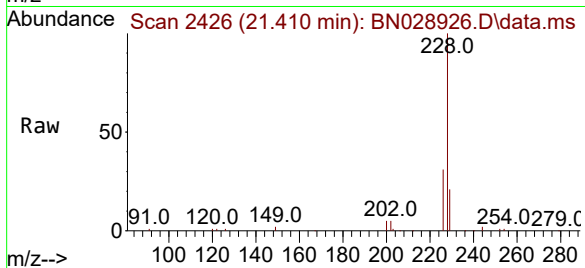
Tgt Ion:228 Resp: 863514

Ion Ratio Lower Upper

228 100

226 30.9 28.3 42.5

229 21.3 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.302 min Scan# 2414

Delta R.T. -0.009 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

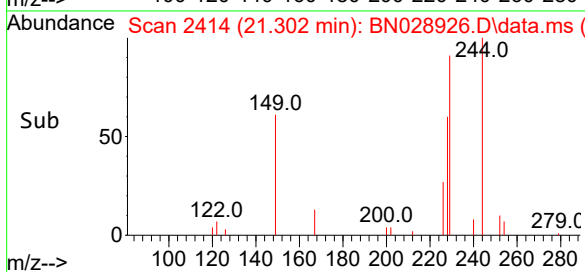
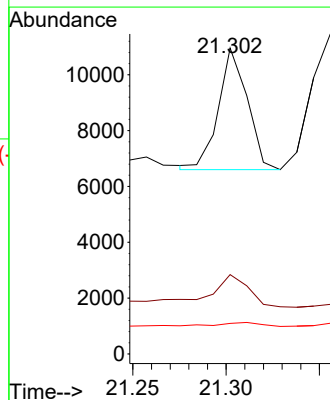
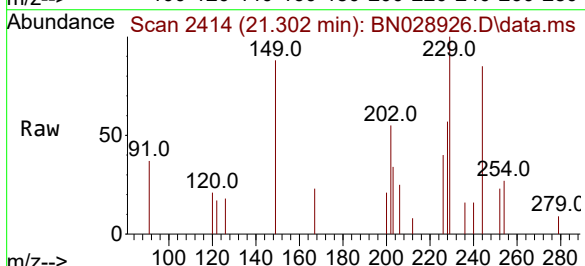
Tgt Ion:149 Resp: 4679

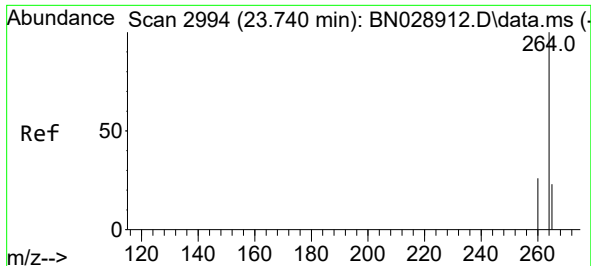
Ion Ratio Lower Upper

149 100

167 38.7 14.9 22.3#

279 6.6 6.3 9.5

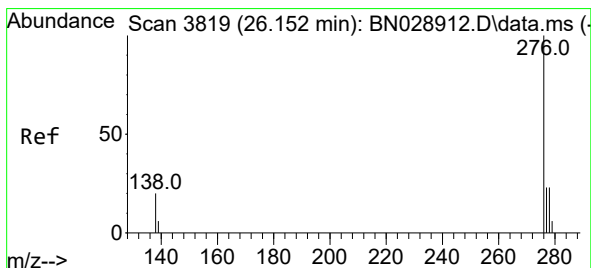
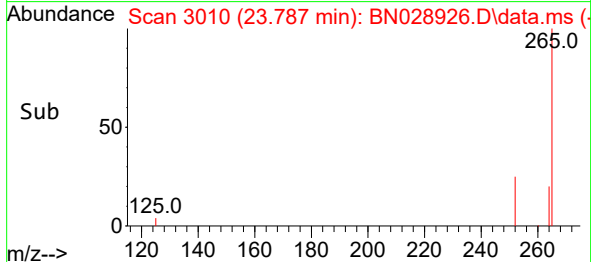
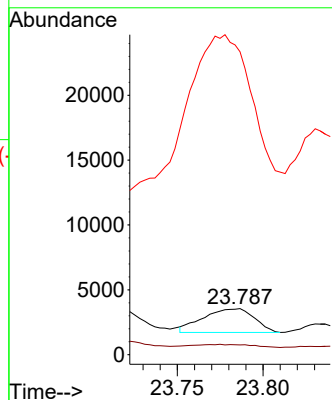
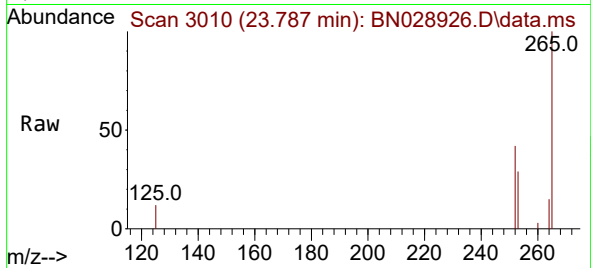




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.787 min Scan# 3010
Delta R.T. 0.073 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

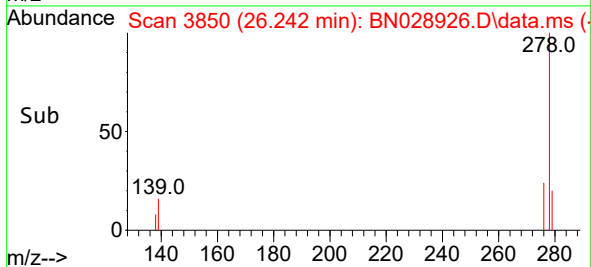
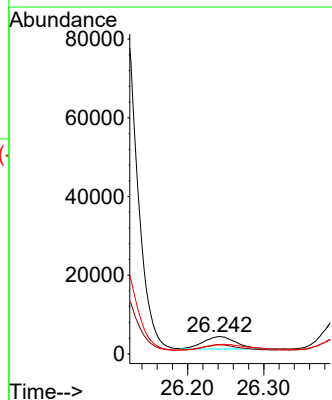
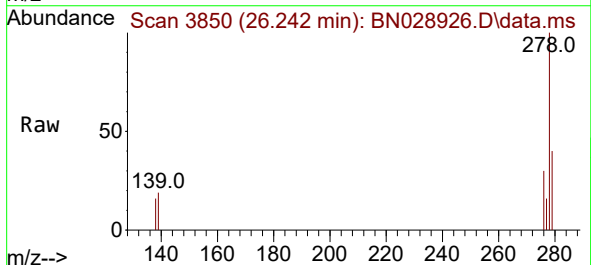
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)

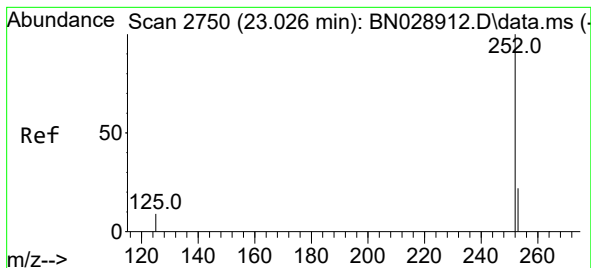
Tgt Ion:264 Resp: 3796
Ion Ratio Lower Upper
264 100
260 21.3 20.6 30.8
265 656.5 464.5 696.7



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.569 ng
RT: 26.242 min Scan# 3850
Delta R.T. 0.132 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:276 Resp: 9408
Ion Ratio Lower Upper
276 100
138 46.5 20.9 31.3#
277 62.1 20.2 30.4#





#37

Benzo(b)fluoranthene

Concen: 44.826 ng

RT: 23.003 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN028926.D

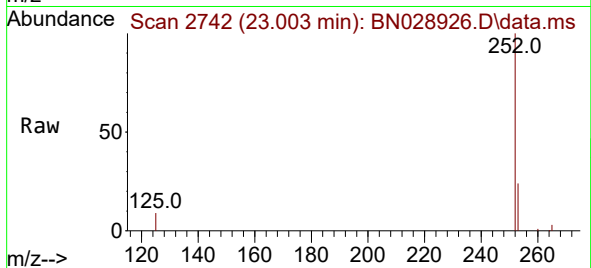
Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)



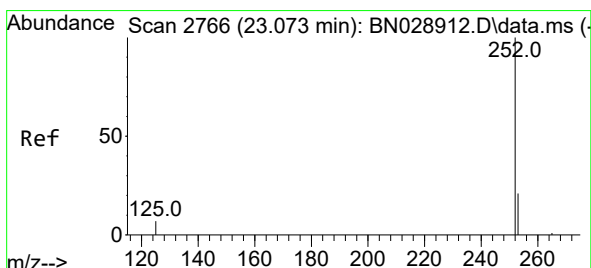
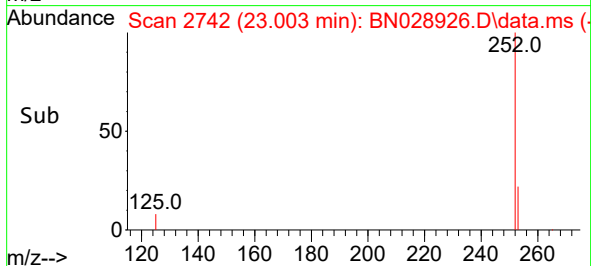
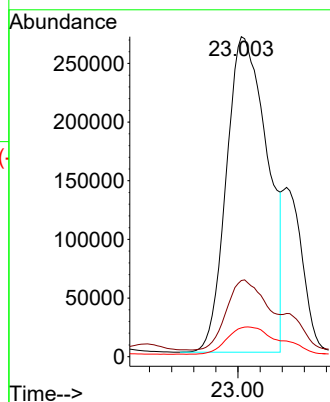
Tgt Ion:252 Resp: 696139

Ion Ratio Lower Upper

252 100

253 23.8 94.5 141.7#

125 9.0 23.8 35.8#



#38

Benzo(k)fluoranthene

Concen: 12.572 ng

RT: 23.178 min Scan# 2802

Delta R.T. 0.129 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

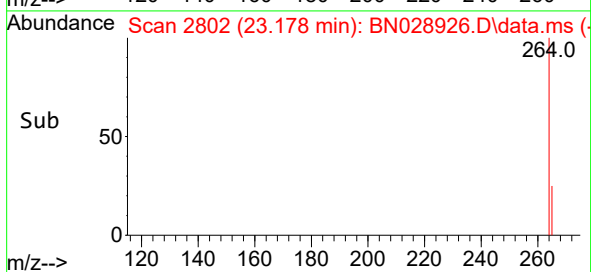
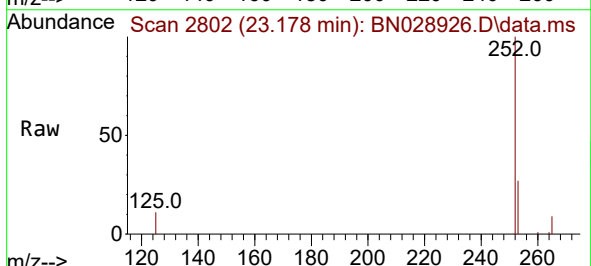
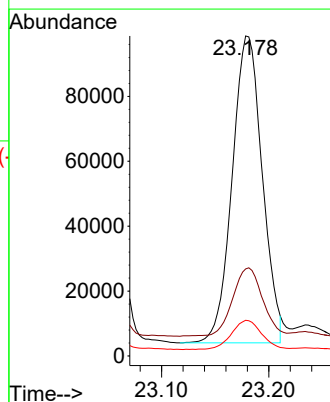
Tgt Ion:252 Resp: 184215

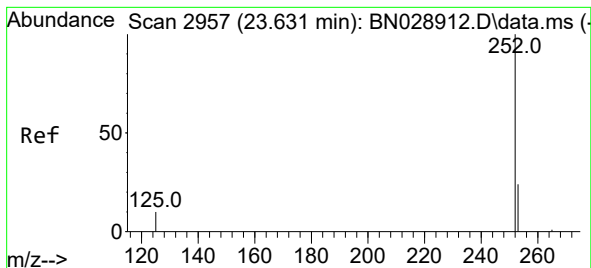
Ion Ratio Lower Upper

252 100

253 27.2 95.2 142.8#

125 11.2 24.3 36.5#





#39

Benzo(a)pyrene

Concen: 52.626 ng

RT: 23.605 min Scan# 2957

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

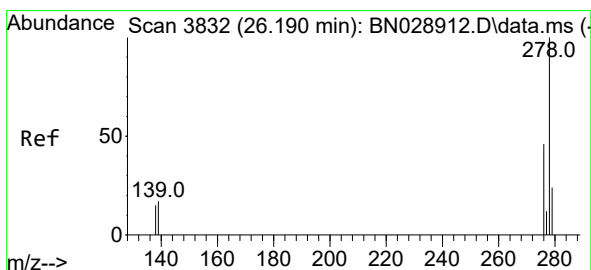
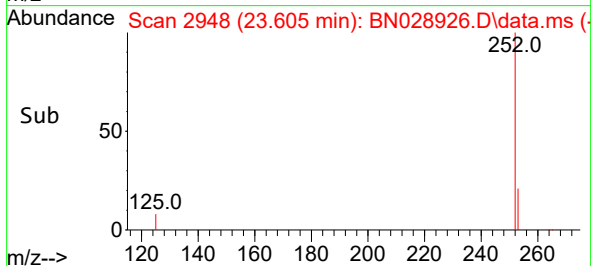
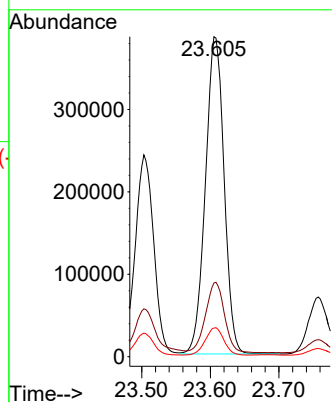
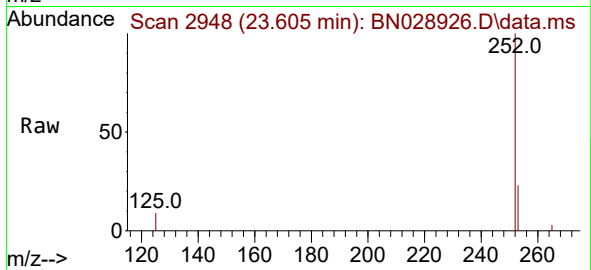
Tgt Ion:252 Resp: 729954

Ion Ratio Lower Upper

252 100

253 23.1 110.2 165.4#

125 9.0 27.0 40.4#



#40

Dibenzo(a,h)anthracene

Concen: 3.131 ng

RT: 26.242 min Scan# 3850

Delta R.T. 0.102 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

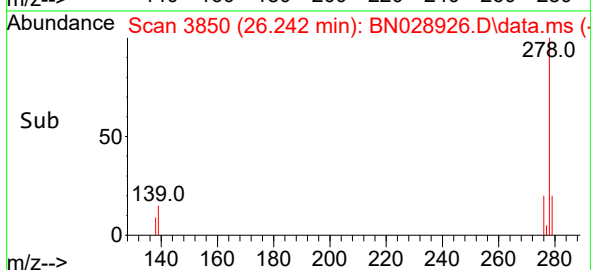
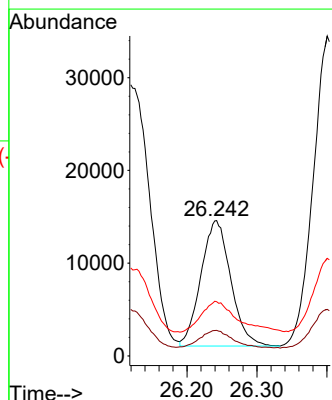
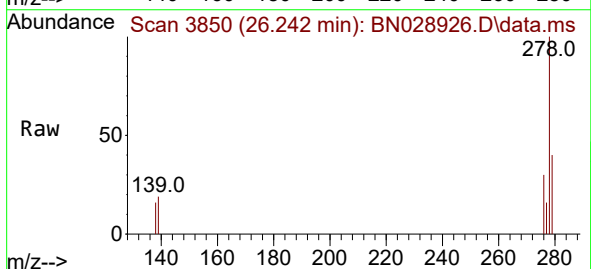
Tgt Ion:278 Resp: 40085

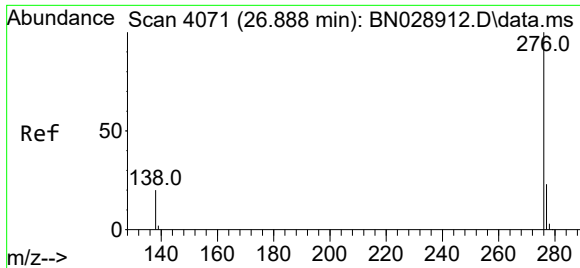
Ion Ratio Lower Upper

278 100

139 18.9 22.6 33.8#

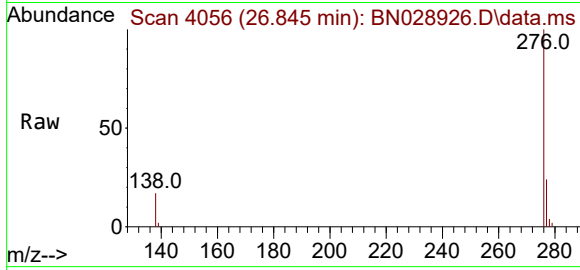
279 40.0 102.6 153.8#





#41
 Benzo(g,h,i)perylene
 Concen: 28.889 ng
 RT: 26.845 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: BN028926.D
 Acq: 01 Dec 2023 01:10

Instrument :
 BNA_N
 ClientSampleId :
 L-1(65FT)(5-10)



Tgt Ion:276 Resp: 415964
 Ion Ratio Lower Upper
 276 100
 277 24.1 28.9 43.3#
 138 16.9 36.2 54.2#

