

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028942.D
 Acq On : 01 Dec 2023 11:54
 Operator : MA/JU
 Sample : 05350-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT158S1-20231107

Quant Time: Dec 01 14:25:24 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)

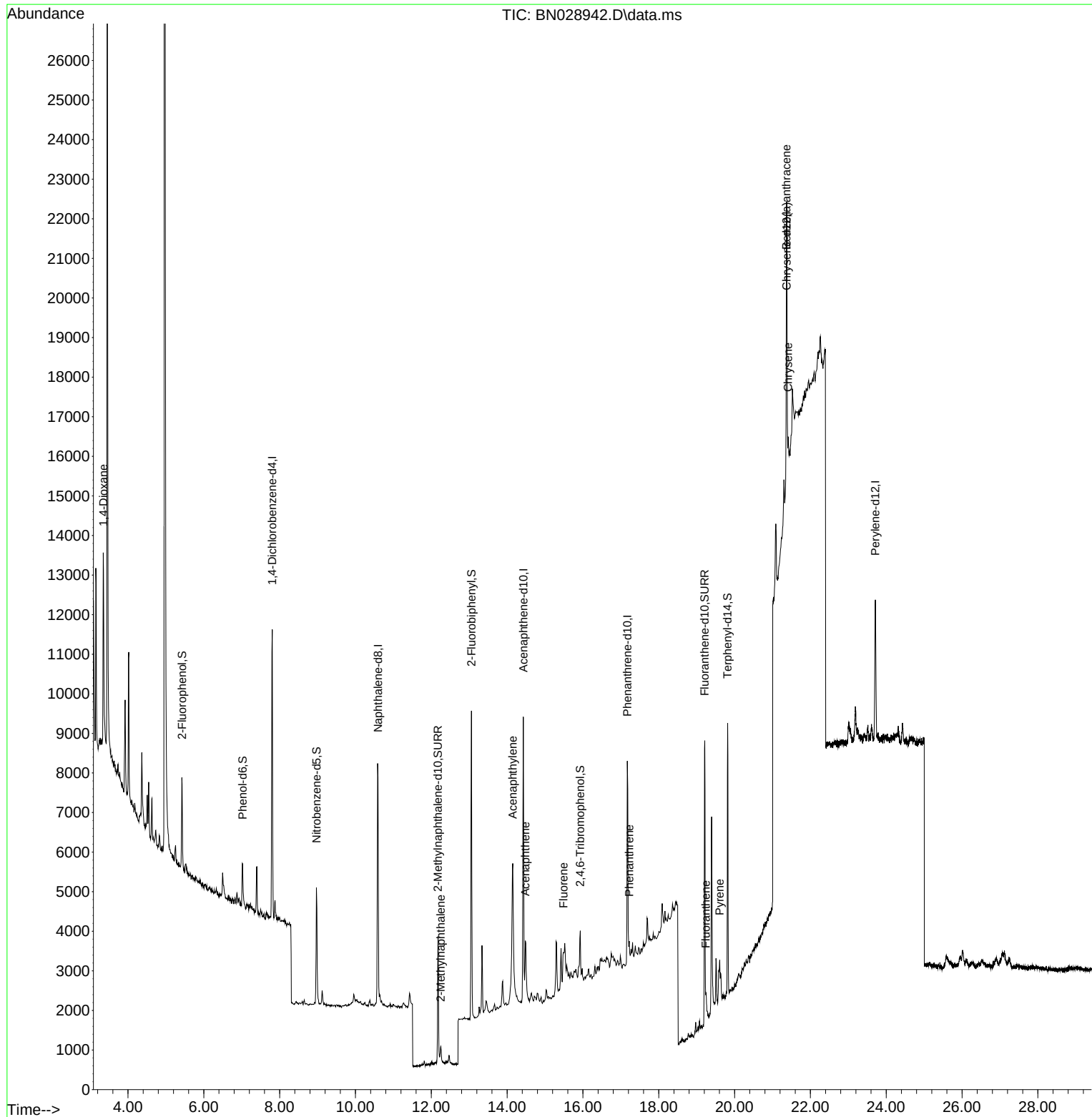
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	3461	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	8646	0.400	ng	0.00
13) Acenaphthene-d10	14.428	164	3986	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	7627	0.400	ng	#-0.01
29) Chrysene-d12	21.374	240	4801	0.400	ng	# 0.00
35) Perylene-d12	23.713	264	4800	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1659	0.158	ng	-0.02
5) Phenol-d6	7.024	99	993	0.085	ng	-0.02
8) Nitrobenzene-d5	8.971	82	2564	0.298	ng	-0.01
11) 2-Methylnaphthalene-d10	12.178	152	4305	0.310	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	708	0.263	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6470	0.376	ng	-0.01
27) Fluoranthene-d10	19.213	212	8232	0.410	ng	0.00
31) Terphenyl-d14	19.817	244	6530	0.449	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.355	88	3226	0.952	ng	# 87
12) 2-Methylnaphthalene	12.249	142	413	0.024	ng	# 77
16) Acenaphthylene	14.150	152	10222	0.484	ng	96
17) Acenaphthene	14.482	154	1363	0.097	ng	# 91
18) Fluorene	15.486	166	1379	0.078	ng	# 12
25) Phenanthrene	17.221	178	584	0.023	ng	# 67
28) Fluoranthene	19.241	202	776	0.030	ng	# 53
30) Pyrene	19.608	202	1626	0.138	ng	# 76
32) Benzo(a)anthracene	21.365	228	1043	0.051	ng	# 1
33) Chrysene	21.409	228	939	0.047	ng	# 1

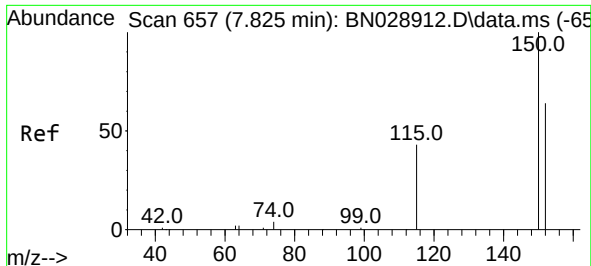
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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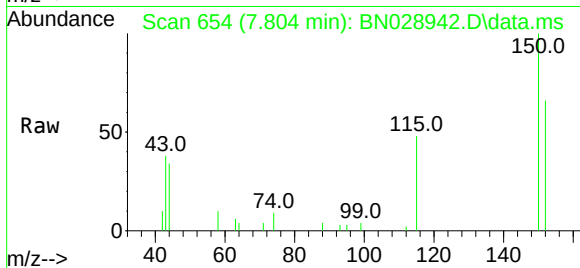
Quant Time: Dec 01 14:25:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
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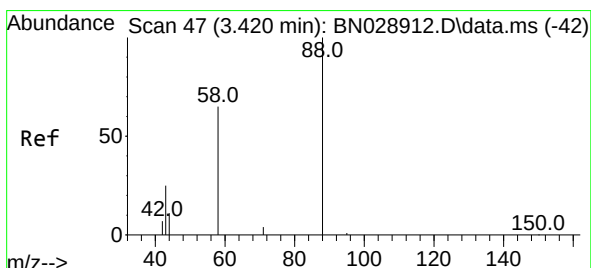
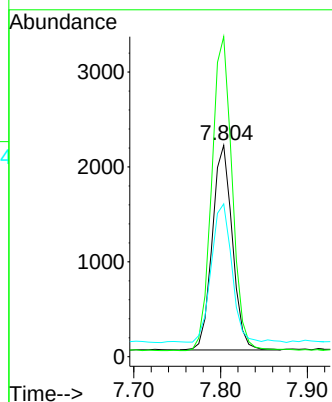
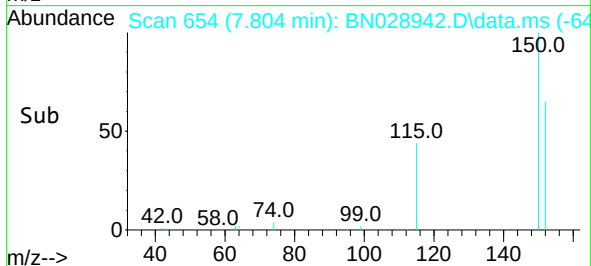


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028942.D
 Acq: 01 Dec 2023 11:54

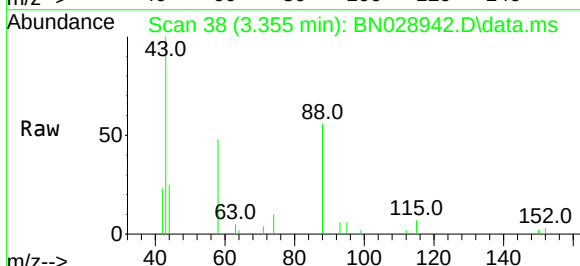
Instrument :
 BNA_N
 ClientSampleId :
 TT158S1-20231107



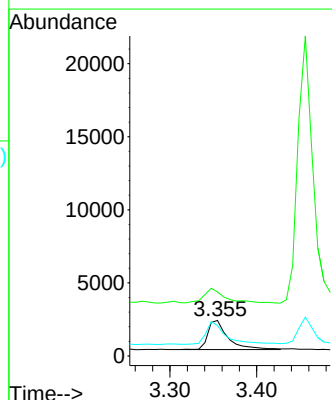
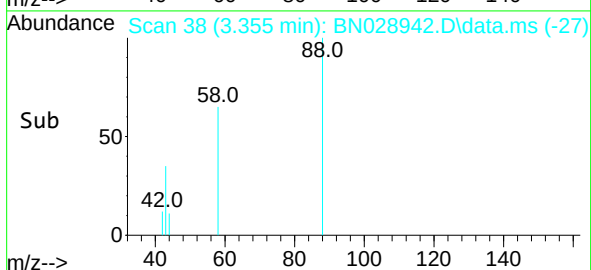
Tgt Ion:152 Resp: 3461
 Ion Ratio Lower Upper
 152 100
 150 151.4 123.4 185.2
 115 72.3 59.1 88.7

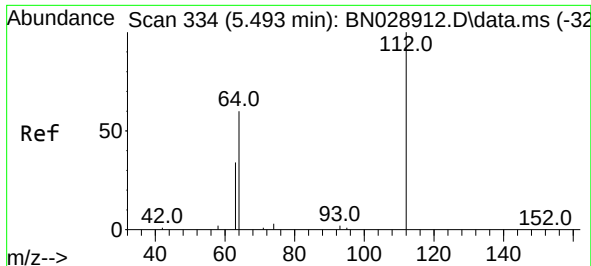


#2
 1,4-Dioxane
 Concen: 0.952 ng
 RT: 3.355 min Scan# 38
 Delta R.T. -0.022 min
 Lab File: BN028942.D
 Acq: 01 Dec 2023 11:54



Tgt Ion: 88 Resp: 3226
 Ion Ratio Lower Upper
 88 100
 43 49.9 29.9 44.9#
 58 76.1 55.0 82.4

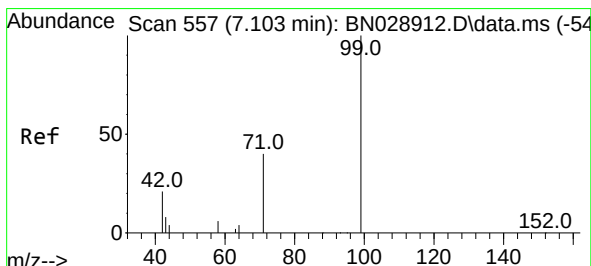
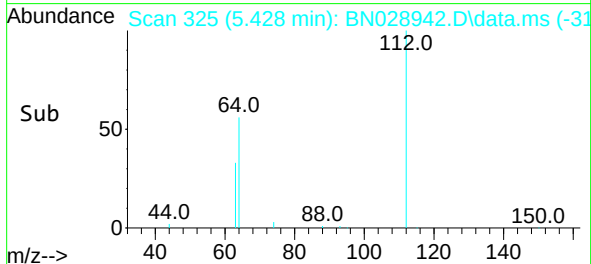
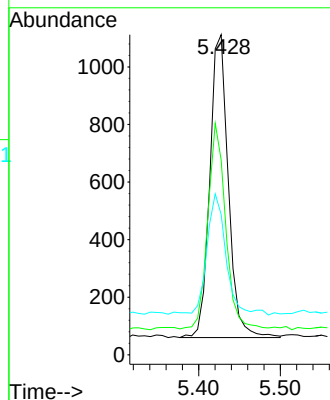
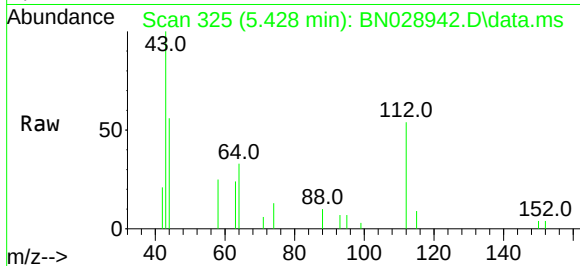




#4
2-Fluorophenol
Concen: 0.158 ng
RT: 5.428 min Scan# 311
Delta R.T. -0.022 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54

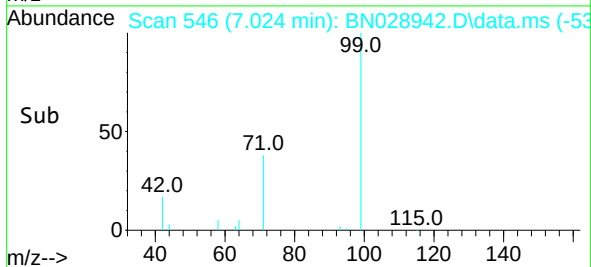
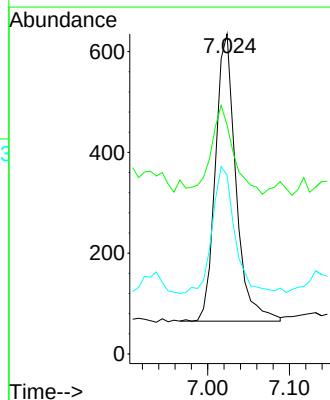
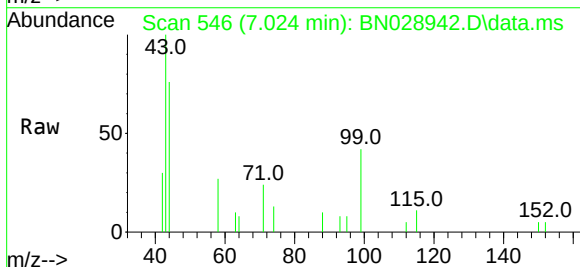
Instrument :
BNA_N
ClientSampleId :
TT158S1-20231107

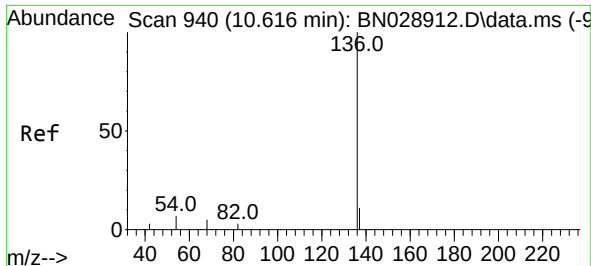
Tgt Ion:112 Resp: 1659
Ion Ratio Lower Upper
112 100
64 64.9 51.5 77.3
63 40.7 30.4 45.6



#5
Phenol-d6
Concen: 0.085 ng
RT: 7.024 min Scan# 546
Delta R.T. -0.022 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54

Tgt Ion: 99 Resp: 993
Ion Ratio Lower Upper
99 100
42 33.1 21.2 31.8#
71 48.5 35.4 53.0

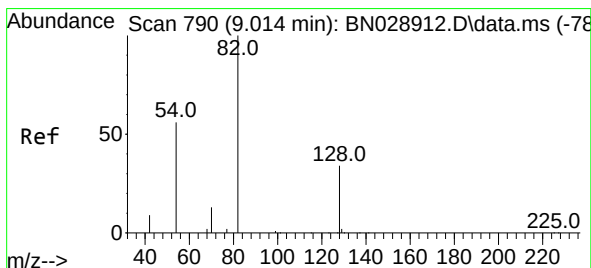
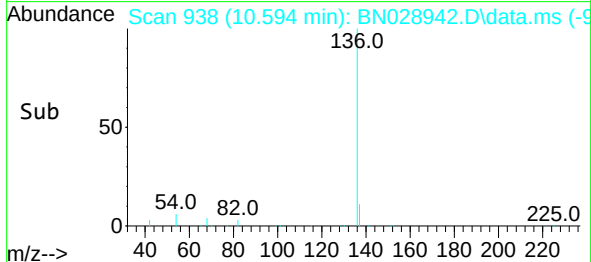
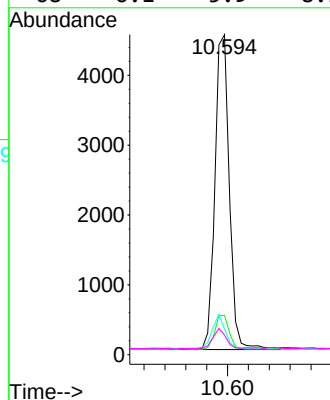
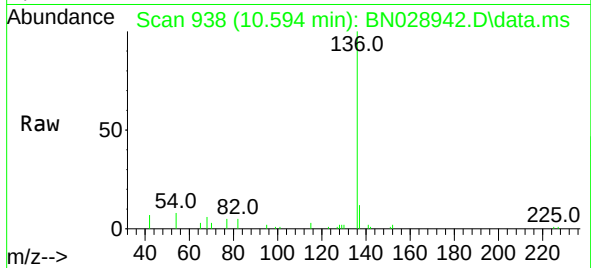




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54

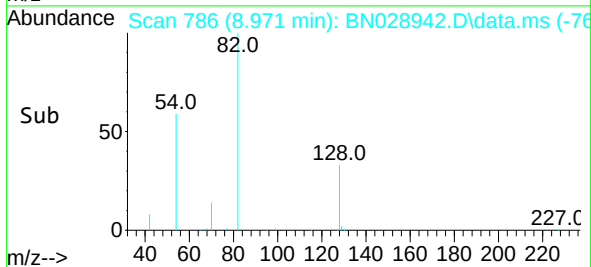
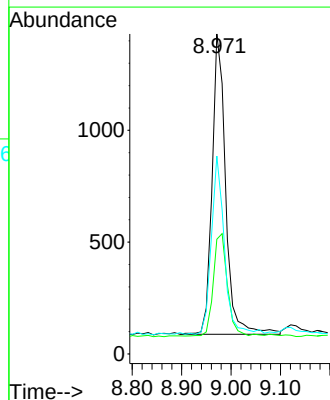
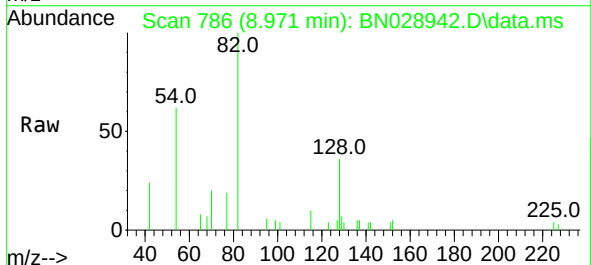
Instrument :
BNA_N
ClientSampleId :
TT158S1-20231107

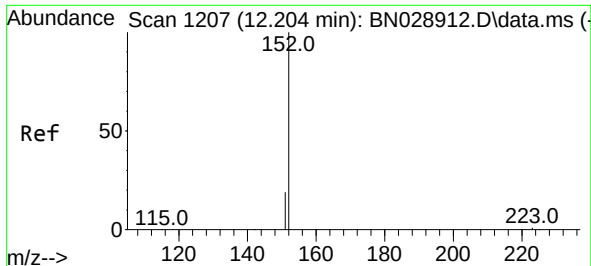
Tgt Ion:	136	Resp:	8646
Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.6	16.0
54	8.0	7.5	11.3
68	6.1	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.298 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.011 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54

Tgt Ion:	82	Resp:	2564
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.2	43.8
54	61.8	47.0	70.6





#11

2-Methylnaphthalene-d10

Concen: 0.310 ng

RT: 12.178 min Scan# 11

Delta R.T. -0.008 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

Instrument :

BNA_N

ClientSampleId :

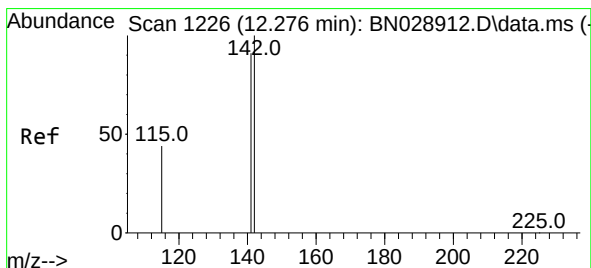
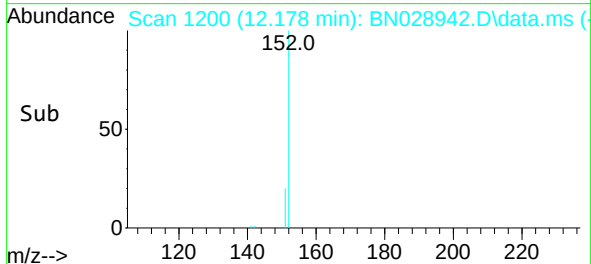
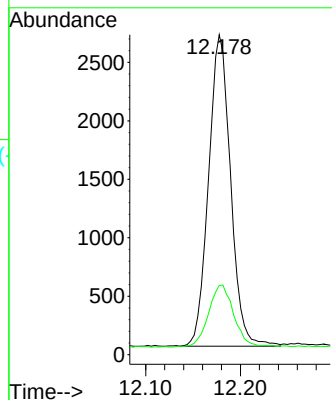
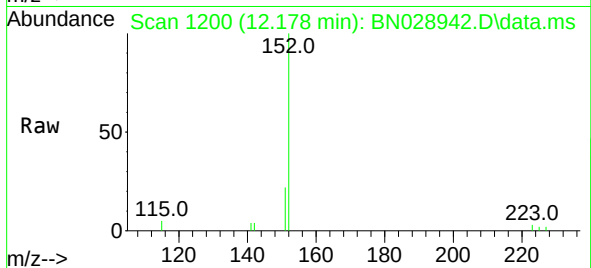
TT158S1-20231107

Tgt Ion:152 Resp: 4305

Ion Ratio Lower Upper

152 100

151 22.7 16.7 25.1



#12

2-Methylnaphthalene

Concen: 0.024 ng

RT: 12.249 min Scan# 1219

Delta R.T. -0.008 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

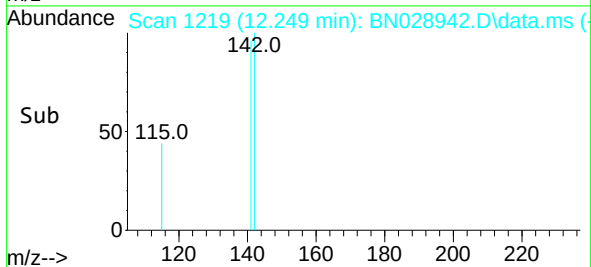
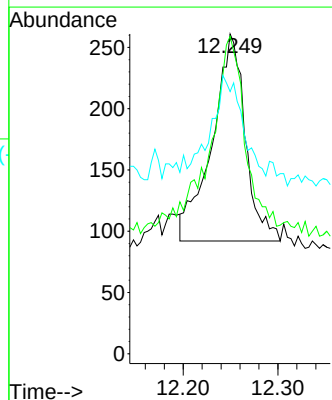
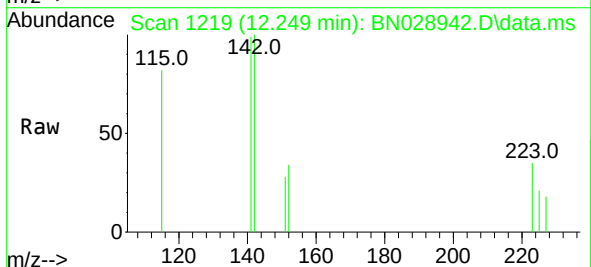
Tgt Ion:142 Resp: 413

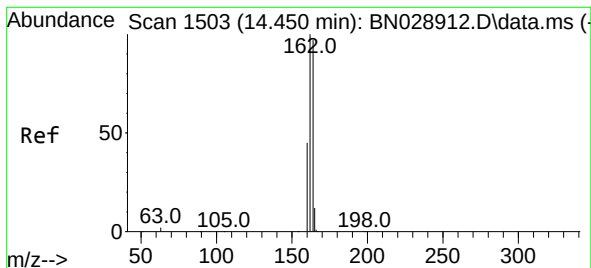
Ion Ratio Lower Upper

142 100

141 99.2 73.1 109.7

115 82.0 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: BN028942.D

Acq: 01 Dec 2023 11:54

Instrument :

BNA_N

ClientSampleId :

TT158S1-20231107

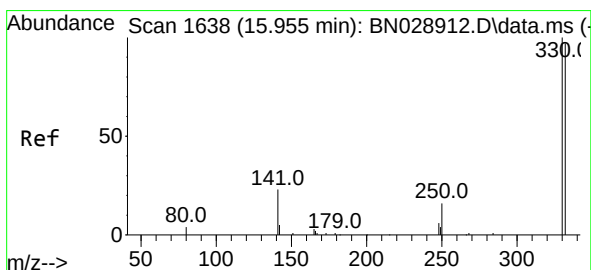
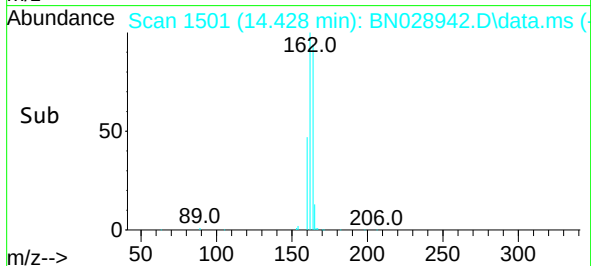
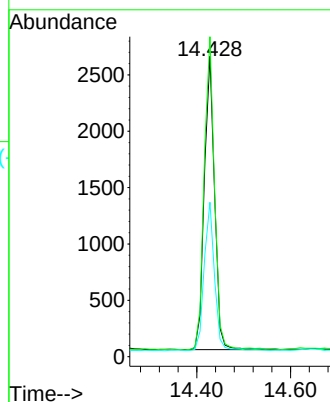
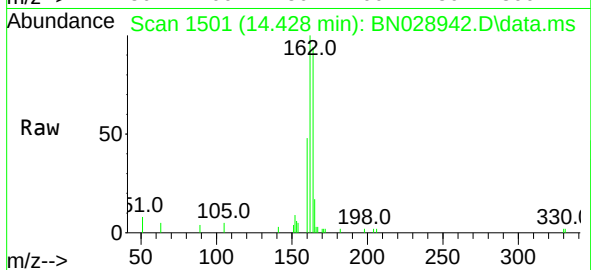
Tgt Ion:164 Resp: 3986

Ion Ratio Lower Upper

164 100

162 106.5 81.7 122.5

160 51.4 37.0 55.6



#14

2,4,6-Tribromophenol

Concen: 0.263 ng

RT: 15.930 min Scan# 1636

Delta R.T. -0.000 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

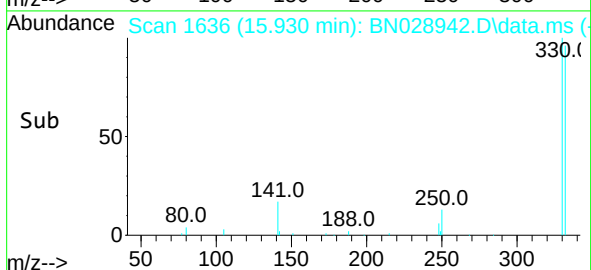
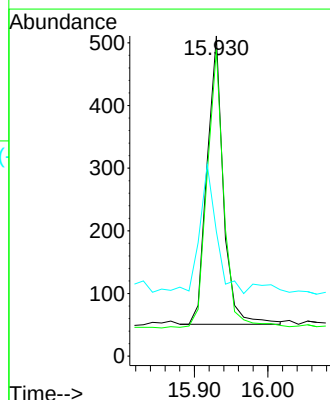
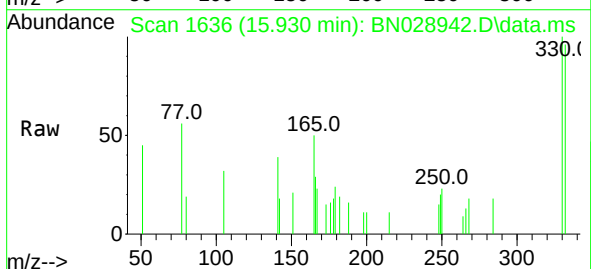
Tgt Ion:330 Resp: 708

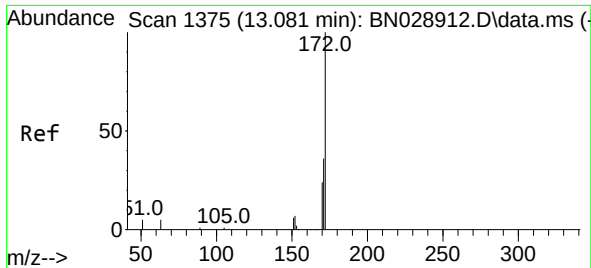
Ion Ratio Lower Upper

330 100

332 100.0 75.4 113.2

141 45.8 35.7 53.5

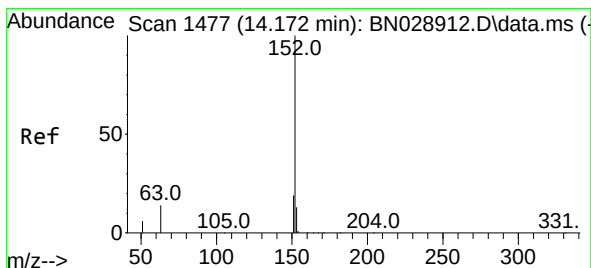
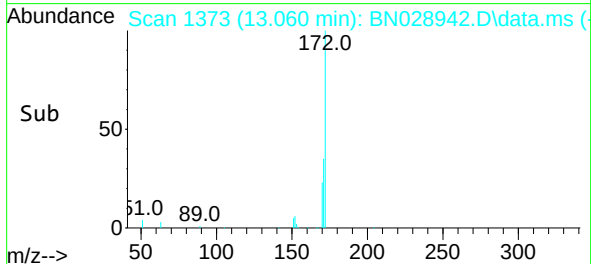
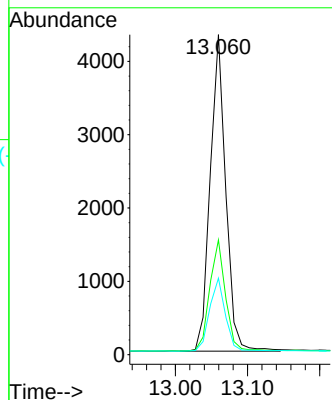
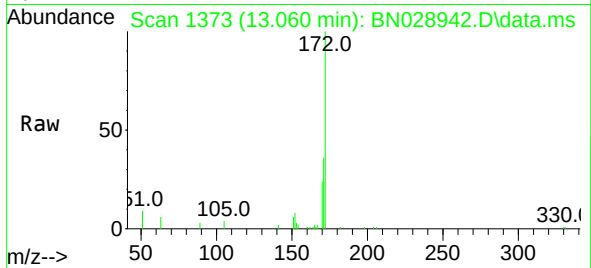




#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.060 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54

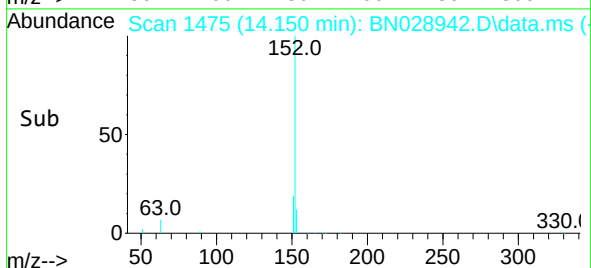
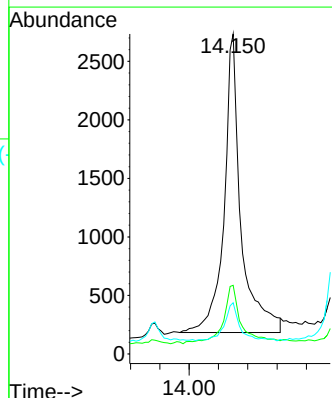
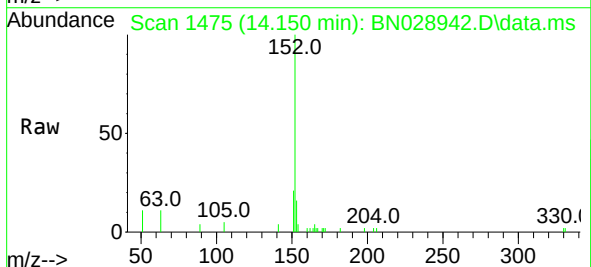
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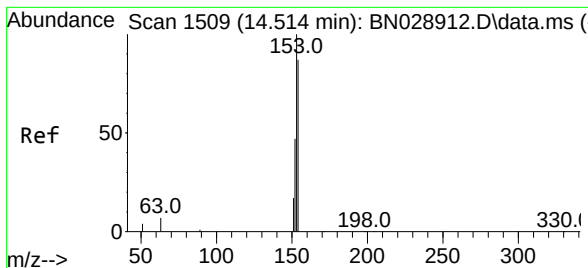
Tgt Ion:172 Resp: 6470
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.9 19.7 29.5



#16
Acenaphthylene
Concen: 0.484 ng
RT: 14.150 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54

Tgt Ion:152 Resp: 10222
Ion Ratio Lower Upper
152 100
151 21.6 15.9 23.9
153 11.7 10.8 16.2





#17

Acenaphthene

Concen: 0.097 ng

RT: 14.482 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

Instrument :

BNA_N

ClientSampleId :

TT158S1-20231107

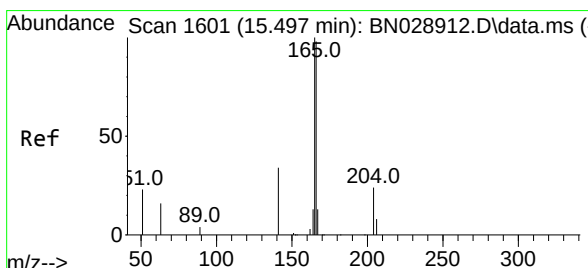
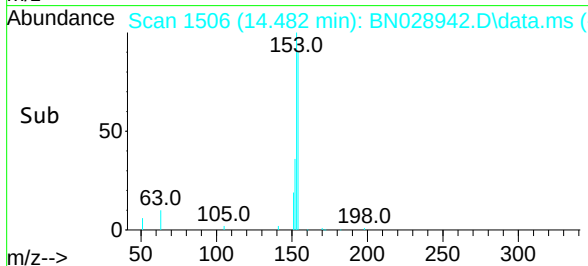
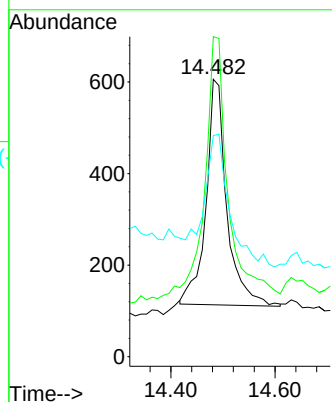
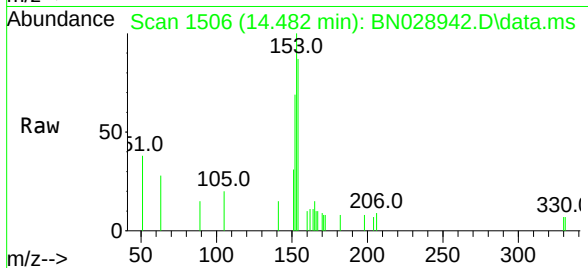
Tgt Ion:154 Resp: 1363

Ion Ratio Lower Upper

154 100

153 119.6 93.8 140.6

152 73.4 44.5 66.7#



#18

Fluorene

Concen: 0.078 ng

RT: 15.486 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

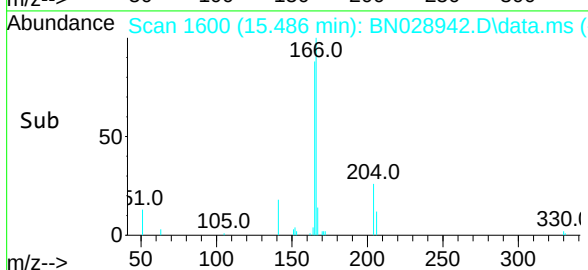
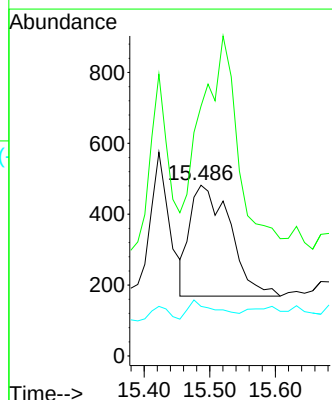
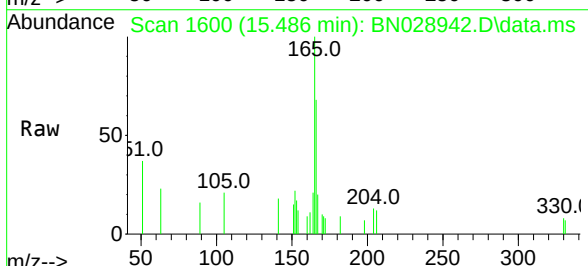
Tgt Ion:166 Resp: 1379

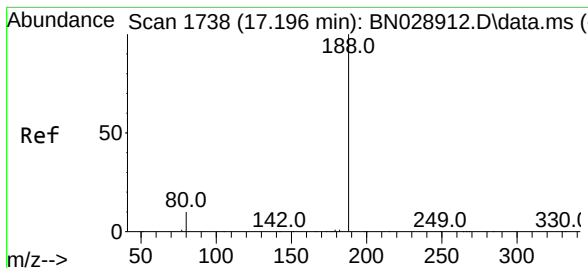
Ion Ratio Lower Upper

166 100

165 0.0 79.4 119.2#

167 11.7 11.0 16.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.171 min Scan# 1

Delta R.T. -0.013 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

Instrument :

BNA_N

ClientSampleId :

TT158S1-20231107

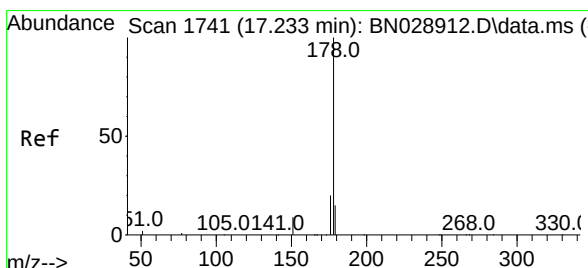
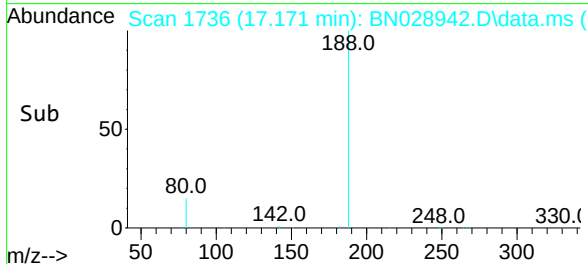
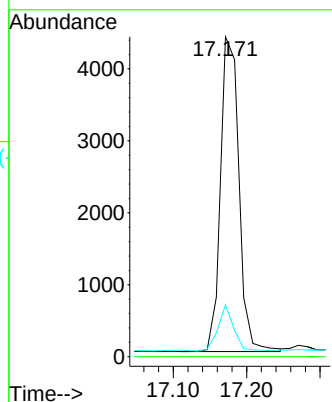
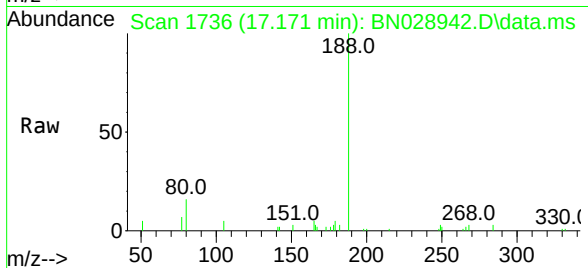
Tgt Ion:188 Resp: 7627

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.2 9.0 13.6#



#25

Phenanthrene

Concen: 0.023 ng

RT: 17.221 min Scan# 1740

Delta R.T. -0.000 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

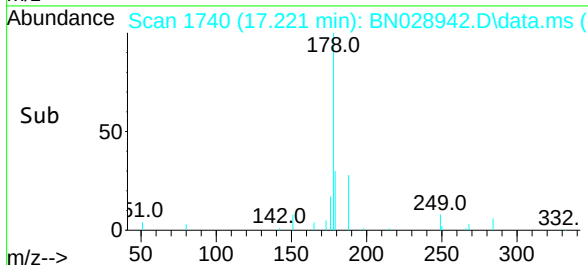
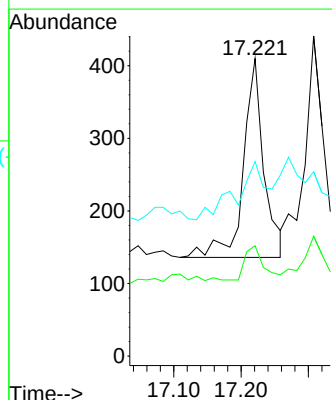
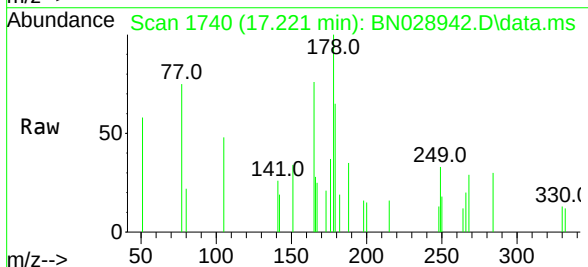
Tgt Ion:178 Resp: 584

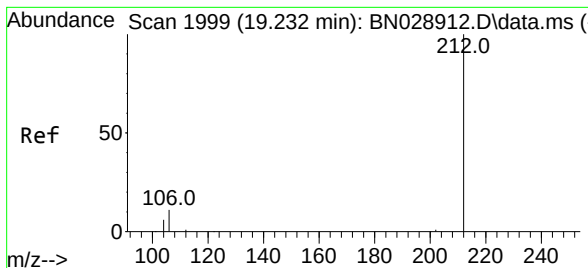
Ion Ratio Lower Upper

178 100

176 15.2 16.4 24.6#

179 42.8 14.1 21.1#





#27

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.213 min Scan# 1995

Delta R.T. -0.000 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

Instrument :

BNA_N

ClientSampleId :

TT158S1-20231107

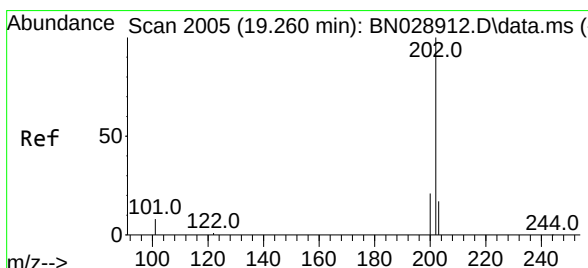
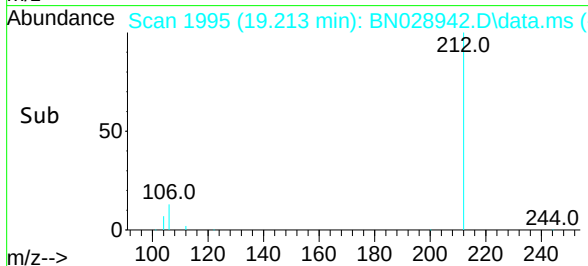
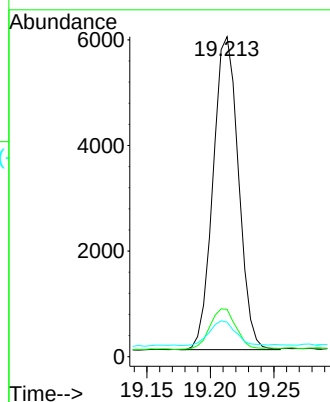
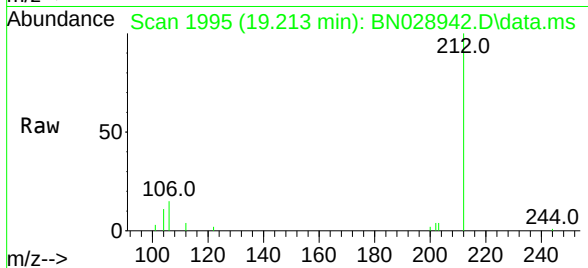
Tgt Ion:212 Resp: 8232

Ion Ratio Lower Upper

212 100

106 13.8 9.4 14.2

104 8.2 6.2 9.2



#28

Fluoranthene

Concen: 0.030 ng

RT: 19.241 min Scan# 2001

Delta R.T. -0.005 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

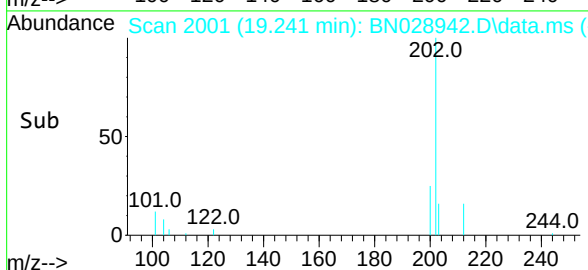
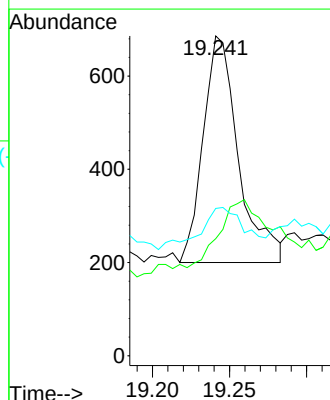
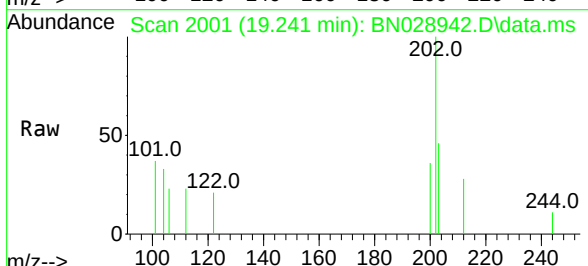
Tgt Ion:202 Resp: 776

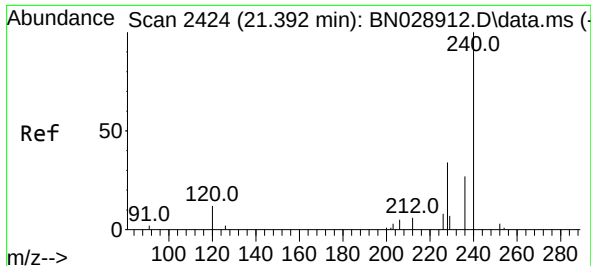
Ion Ratio Lower Upper

202 100

101 49.2 7.3 10.9#

203 23.6 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: BN028942.D

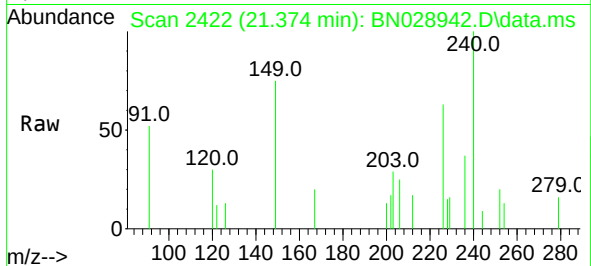
Acq: 01 Dec 2023 11:54

Instrument :

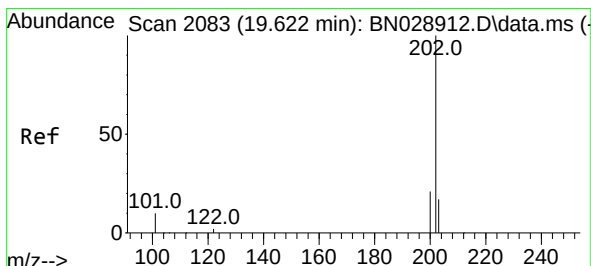
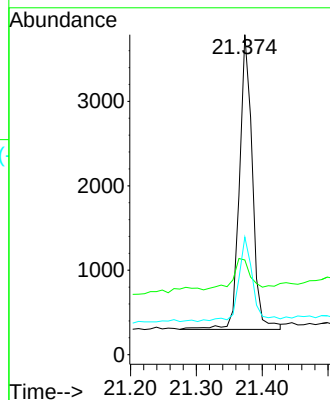
BNA_N

ClientSampleId :

TT158S1-20231107



Tgt Ion:240	Resp:	4801
Ion Ratio	Lower	Upper
240	100	
120	29.6	37.1 55.7#
236	36.7	32.4 48.6



#30

Pyrene

Concen: 0.138 ng

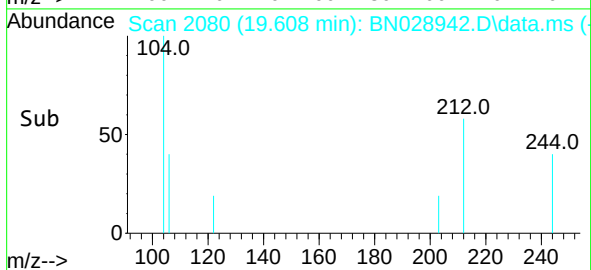
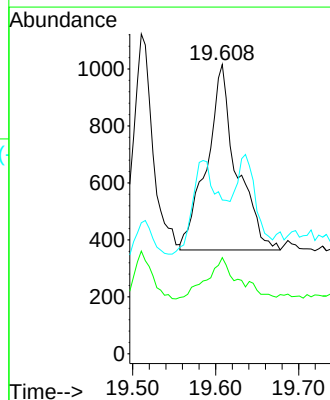
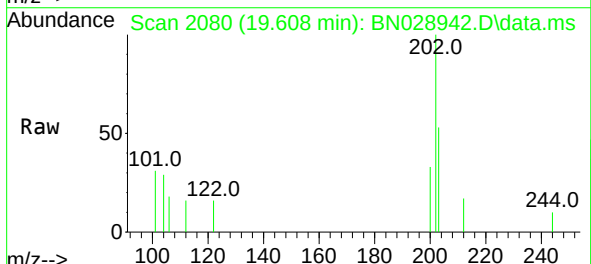
RT: 19.608 min Scan# 2080

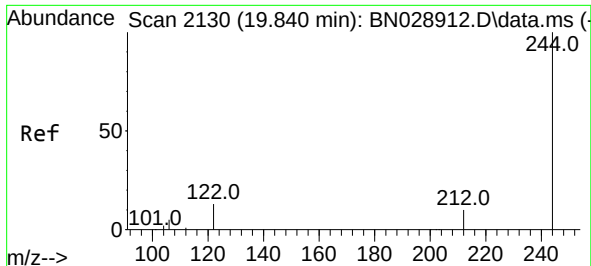
Delta R.T. -0.000 min

Lab File: BN028942.D

Acq: 01 Dec 2023 11:54

Tgt Ion:202	Resp:	1626
Ion Ratio	Lower	Upper
202	100	
200	25.2	16.9 25.3
203	0.0	14.8 22.2#

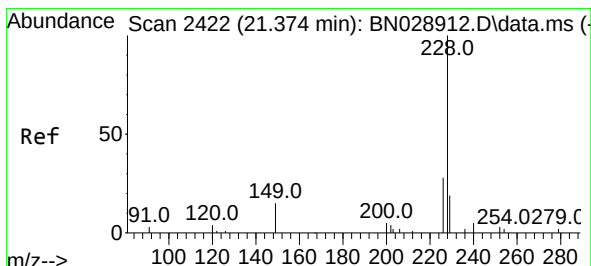
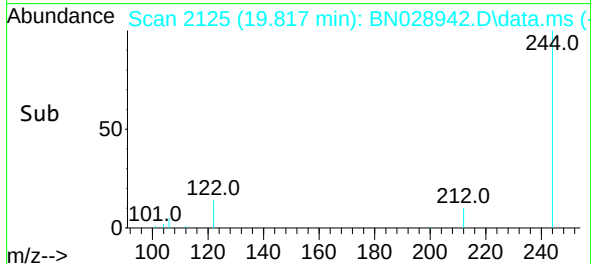
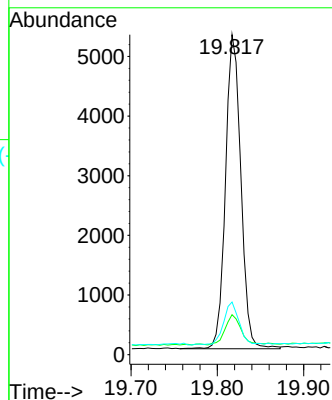
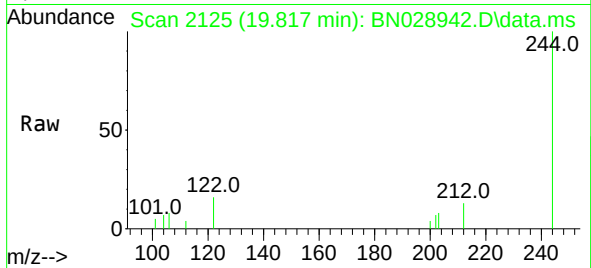




#31
 Terphenyl-d14
 Concen: 0.449 ng
 RT: 19.817 min Scan# 2130
 Delta R.T. -0.005 min
 Lab File: BN028942.D
 Acq: 01 Dec 2023 11:54

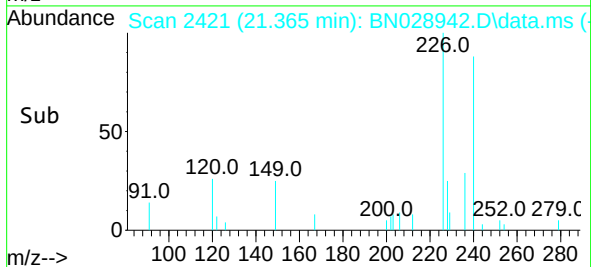
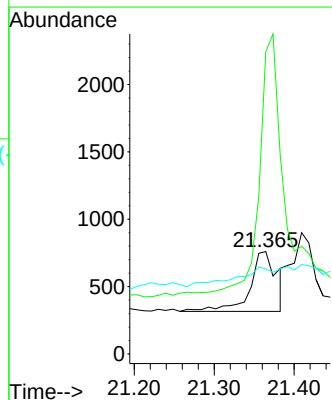
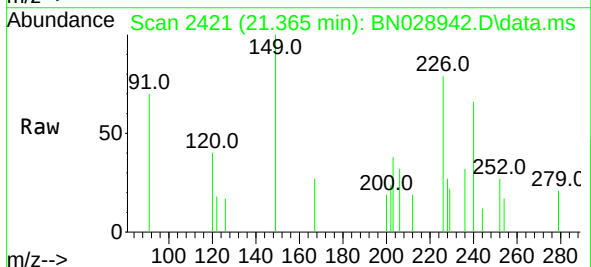
Instrument :
 BNA_N
 ClientSampleId :
 TT158S1-20231107

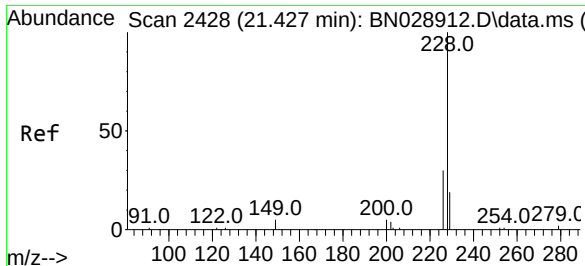
Tgt Ion:244 Resp: 6530
 Ion Ratio Lower Upper
 244 100
 212 12.5 11.5 17.3
 122 16.5 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.051 ng
 RT: 21.365 min Scan# 2421
 Delta R.T. 0.009 min
 Lab File: BN028942.D
 Acq: 01 Dec 2023 11:54

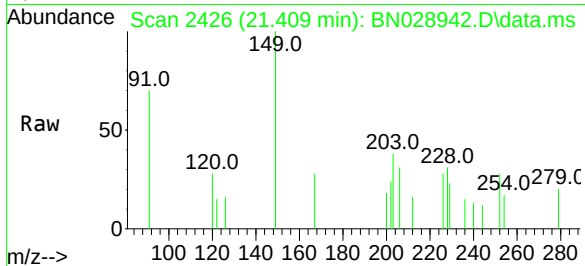
Tgt Ion:228 Resp: 1043
 Ion Ratio Lower Upper
 228 100
 226 295.1 26.5 39.7#
 229 83.0 16.4 24.6#



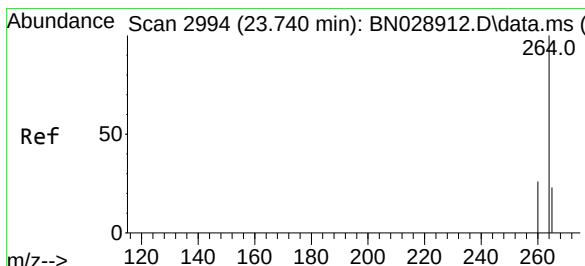
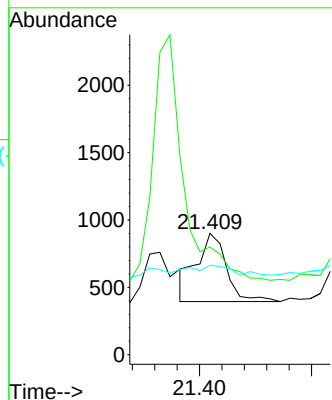
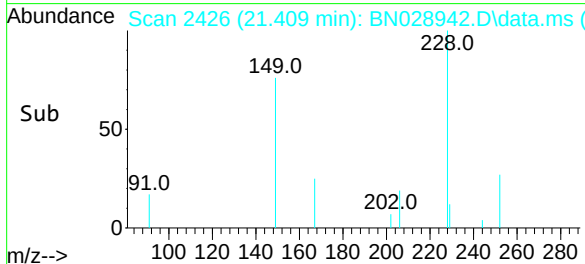


#33
Chrysene
Concen: 0.047 ng
RT: 21.409 min Scan# 2428
Delta R.T. -0.000 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54

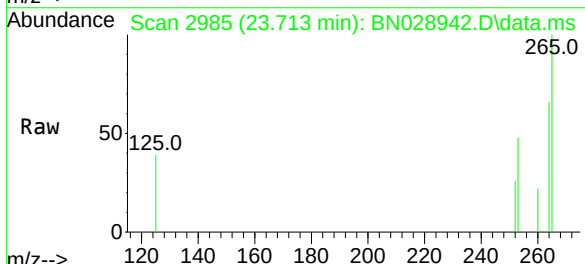
Instrument :
BNA_N
ClientSampleId :
TT158S1-20231107



Tgt Ion:228 Resp: 939
Ion Ratio Lower Upper
228 100
226 88.8 28.3 42.5#
229 73.8 16.4 24.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.713 min Scan# 2985
Delta R.T. -0.000 min
Lab File: BN028942.D
Acq: 01 Dec 2023 11:54



Tgt Ion:264 Resp: 4800
Ion Ratio Lower Upper
264 100
260 34.0 20.6 30.8#
265 151.3 464.5 696.7#

