

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120123\
 Data File : BN028954.D
 Acq On : 01 Dec 2023 19:24
 Operator : MA/JU
 Sample : 05357-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT163S1-20231108

Quant Time: Dec 01 23:16:11 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 23:11:55 2023
 Response via : Initial Calibration

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

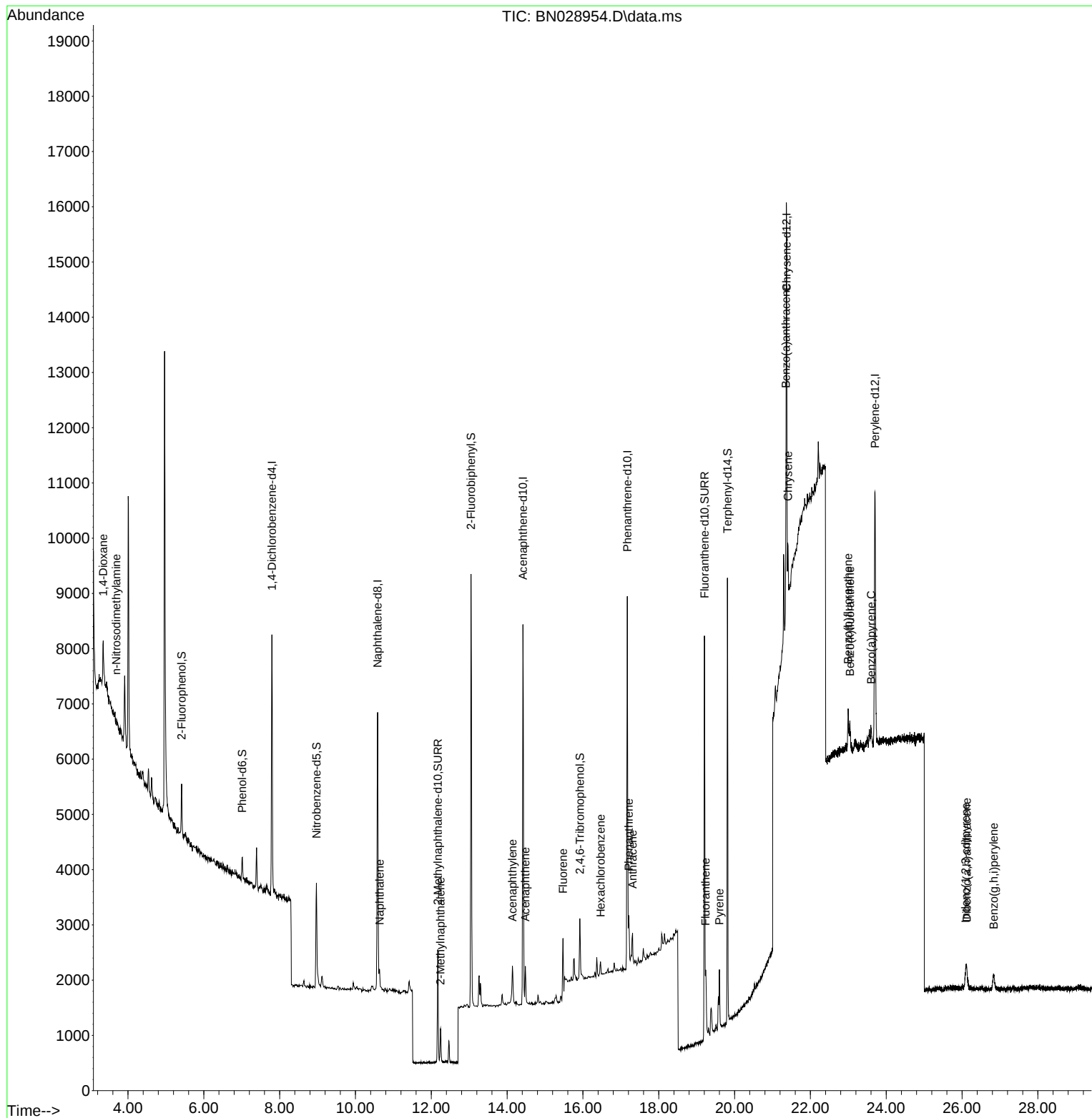
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	2230	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	6683	0.400	ng	0.00
13) Acenaphthene-d10	14.418	164	4092	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	9175	0.400	ng	0.00
29) Chrysene-d12	21.374	240	7381	0.400	ng	# 0.00
35) Perylene-d12	23.705	264	6713	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.413	112	695	0.103	ng	0.00
5) Phenol-d6	7.009	99	428	0.057	ng	0.00
8) Nitrobenzene-d5	8.971	82	1775	0.267	ng	0.00
11) 2-Methylnaphthalene-d10	12.170	152	2849	0.266	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	647	0.234	ng	0.00
15) 2-Fluorobiphenyl	13.049	172	6685	0.378	ng	0.00
27) Fluoranthene-d10	19.209	212	8279	0.343	ng	0.00
31) Terphenyl-d14	19.813	244	7443	0.371	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.348	88	673	0.308	ng	# 76
3) n-Nitrosodimethylamine	3.694	42	110	0.123	ng	# 80
9) Naphthalene	10.637	128	479	0.023	ng	# 65
12) 2-Methylnaphthalene	12.242	142	433	0.032	ng	# 88
16) Acenaphthylene	14.140	152	1298	0.060	ng	98
17) Acenaphthene	14.482	154	341	0.024	ng	# 95
18) Fluorene	15.476	166	608	0.033	ng	86
22) Hexachlorobenzene	16.464	284	177	0.023	ng	# 89
25) Phenanthrene	17.209	178	893	0.029	ng	# 91
26) Anthracene	17.308	178	712	0.025	ng	# 94
28) Fluoranthene	19.237	202	994	0.032	ng	# 59
30) Pyrene	19.599	202	1056	0.113	ng	# 86
32) Benzo(a)anthracene	21.356	228	1022	0.033	ng	# 38
33) Chrysene	21.410	228	868	0.028	ng	# 60
34) Bis(2-ethylhexyl)phtha...	21.293	149	1919	Below Cal		# 82
36) Indeno(1,2,3-cd)pyrene	26.096	276	745	0.025	ng	# 54
37) Benzo(b)fluoranthene	22.994	252	931	0.034	ng	# 78
38) Benzo(k)fluoranthene	23.041	252	694	0.027	ng	# 67
39) Benzo(a)pyrene	23.602	252	530	0.022	ng	# 68
40) Dibenzo(a,h)anthracene	26.123	278	526	0.023	ng	# 32
41) Benzo(g,h,i)perylene	26.836	276	569	0.022	ng	# 40

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

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TT163S1-20231108

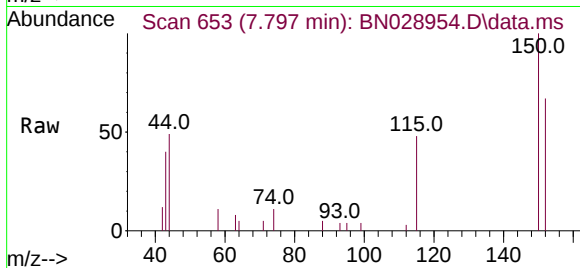
Quant Time: Dec 01 23:16:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 23:11:55 2023
Response via : Initial Calibration



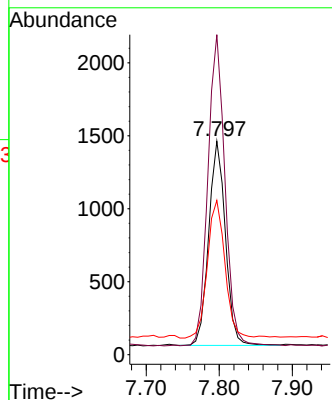
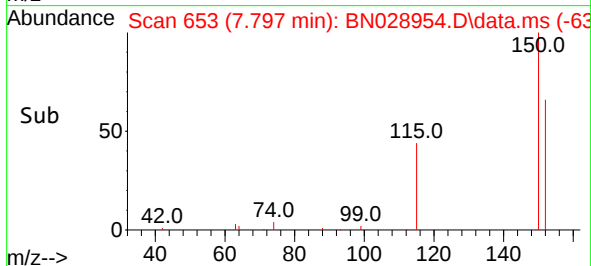


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.797 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

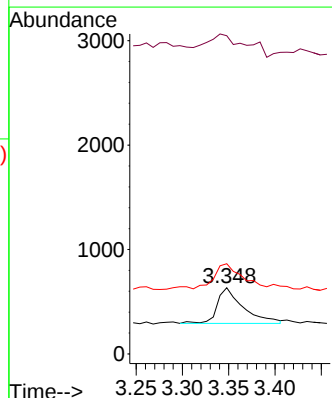
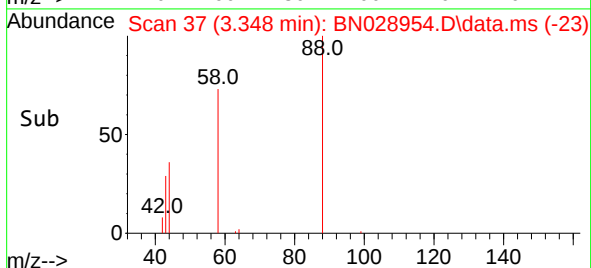
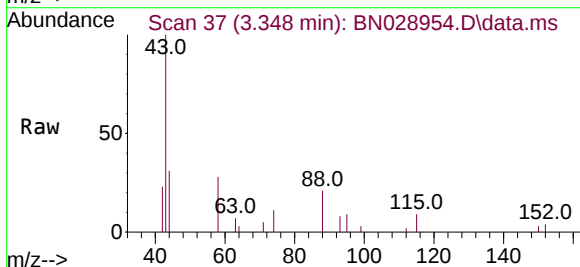


Tgt Ion:152 Resp: 2230
Ion Ratio Lower Upper
152 100
150 149.9 123.4 185.2
115 72.2 59.1 88.7



#2
1,4-Dioxane
Concen: 0.308 ng
RT: 3.348 min Scan# 37
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion: 88 Resp: 673
Ion Ratio Lower Upper
88 100
43 72.1 29.9 44.9#
58 73.1 55.0 82.4

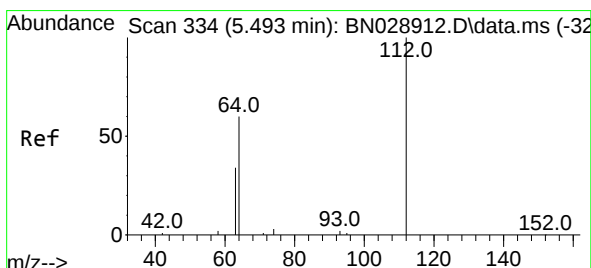
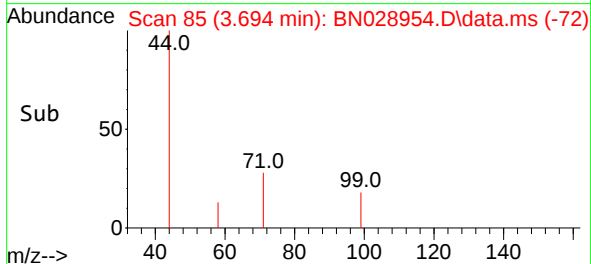
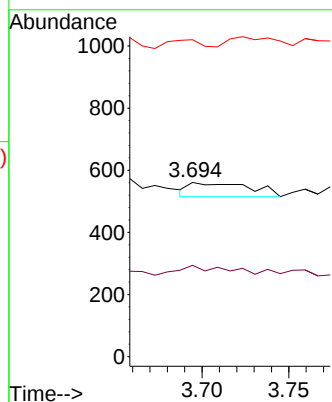
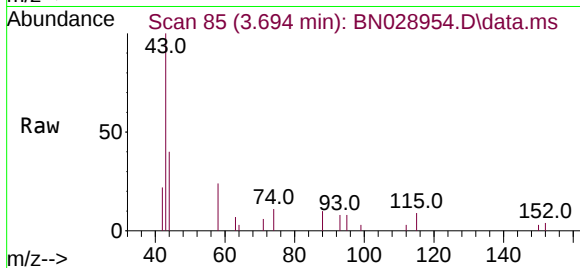




#3
n-Nitrosodimethylamine
Concen: 0.123 ng
RT: 3.694 min Scan# 81
Delta R.T. -0.007 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

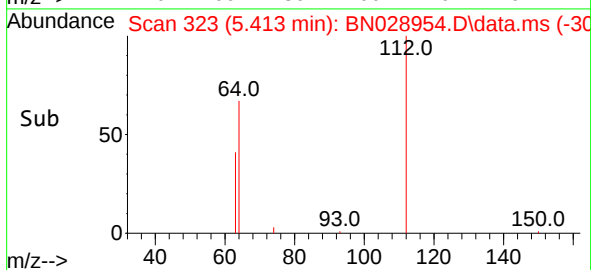
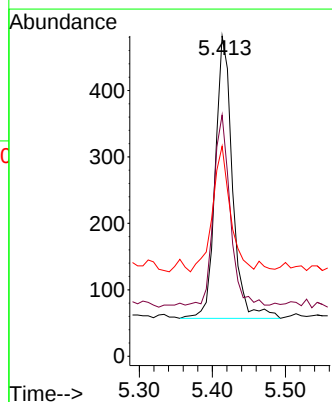
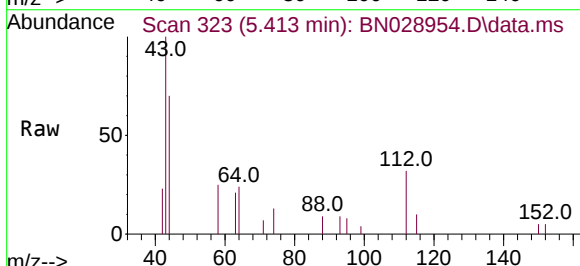
Instrument :
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Tgt Ion: 42 Resp: 110
Ion Ratio Lower Upper
42 100
74 54.5 57.0 85.6#
44 34.5 0.0 0.0#



#4
2-Fluorophenol
Concen: 0.103 ng
RT: 5.413 min Scan# 323
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion: 112 Resp: 695
Ion Ratio Lower Upper
112 100
64 64.6 51.5 77.3
63 46.0 30.4 45.6#

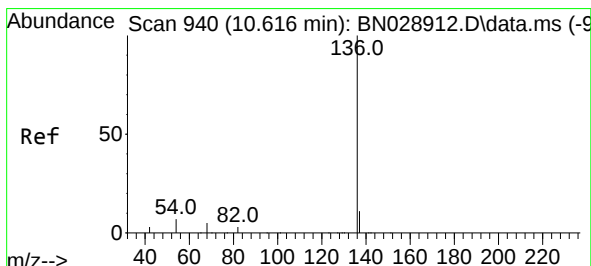
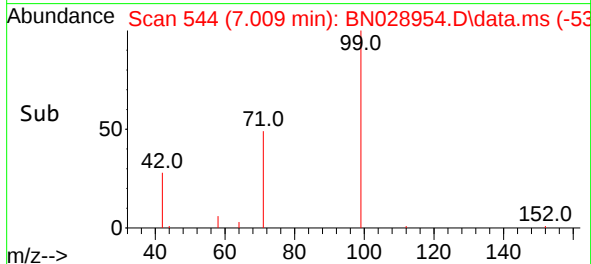
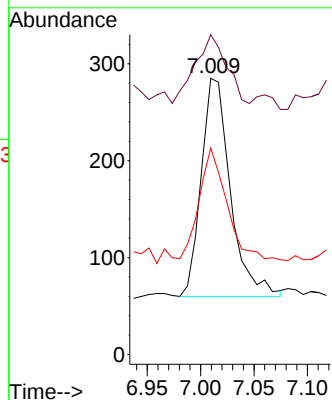
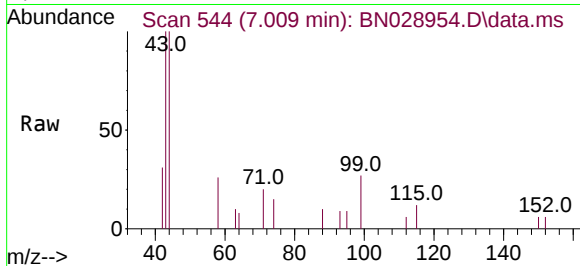




#5
Phenol-d6
Concen: 0.057 ng
RT: 7.009 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

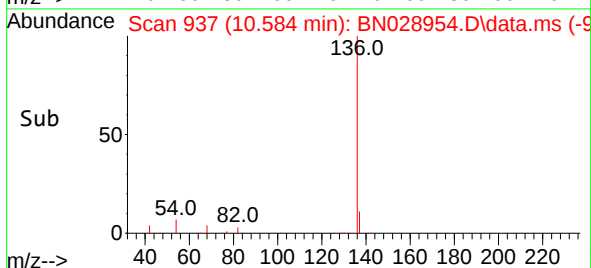
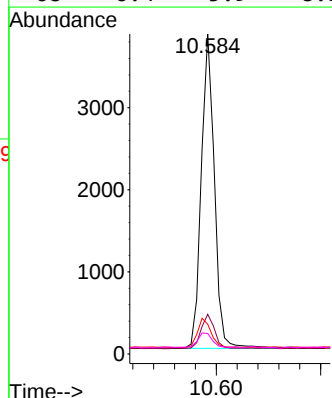
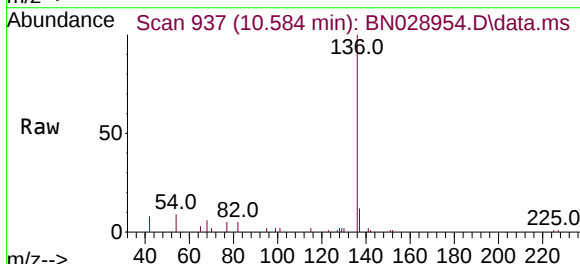
Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

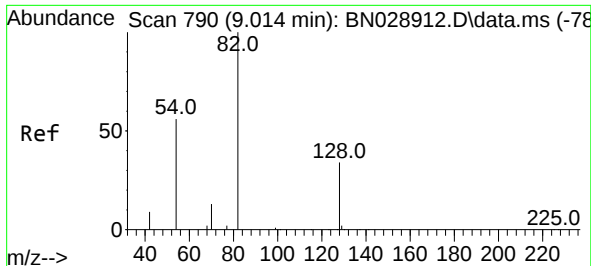
Tgt Ion: 99 Resp: 428
Ion Ratio Lower Upper
99 100
42 33.4 21.2 31.8#
71 48.8 35.4 53.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion: 136 Resp: 6683
Ion Ratio Lower Upper
136 100
137 12.4 10.6 16.0
54 9.3 7.5 11.3
68 6.4 5.9 8.9

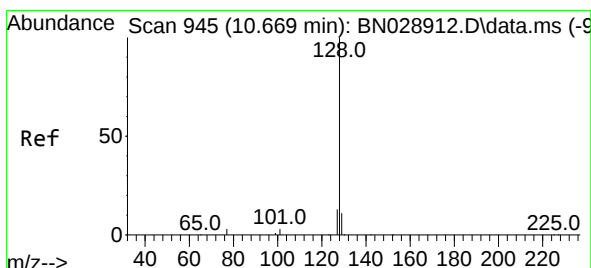
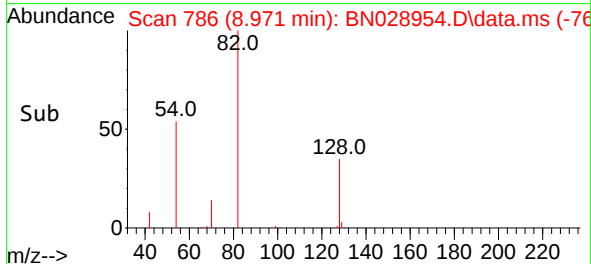
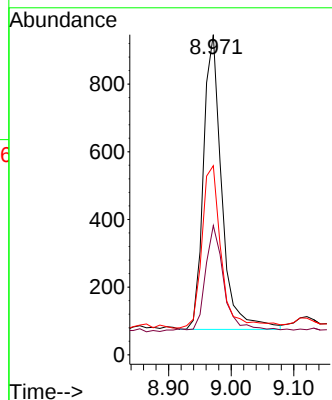
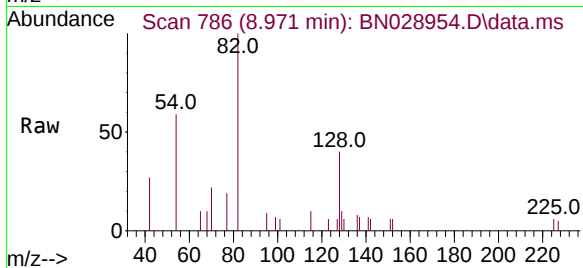




#8
Nitrobenzene-d5
Concen: 0.267 ng
RT: 8.971 min Scan# 790
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

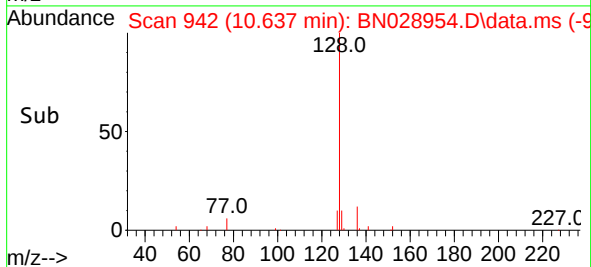
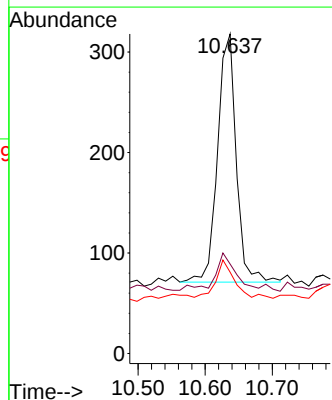
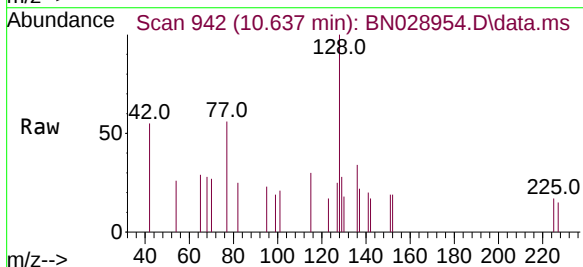
Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

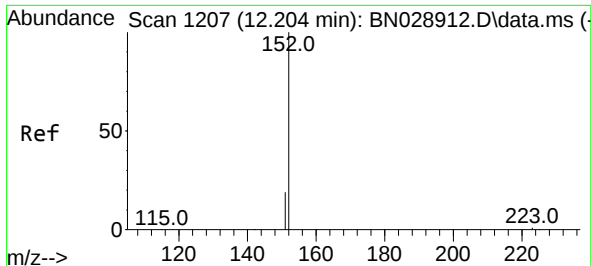
Tgt Ion: 82 Resp: 1775
Ion Ratio Lower Upper
82 100
128 40.4 29.2 43.8
54 59.1 47.0 70.6



#9
Naphthalene
Concen: 0.023 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion: 128 Resp: 479
Ion Ratio Lower Upper
128 100
129 28.0 9.5 14.3#
127 25.5 11.0 16.4#





#11

2-Methylnaphthalene-d10

Concen: 0.266 ng

RT: 12.170 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

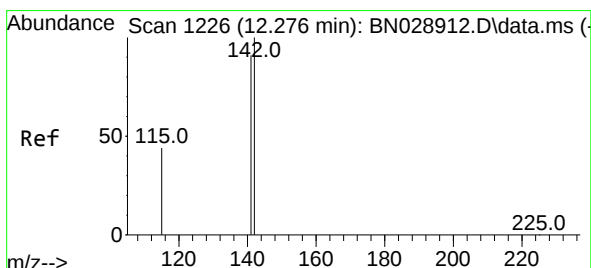
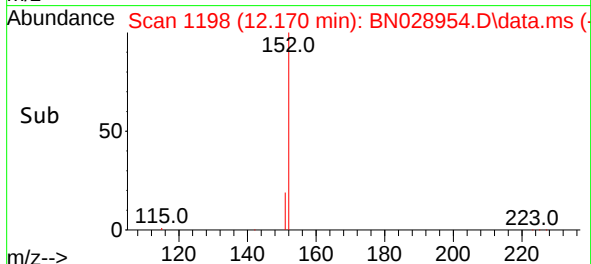
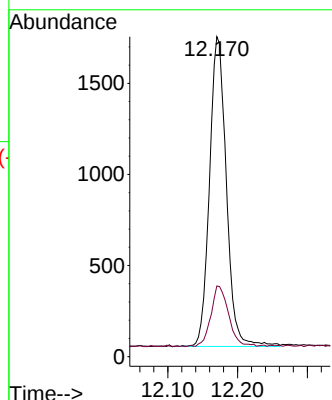
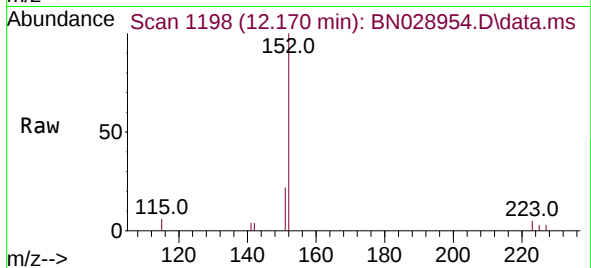
TT163S1-20231108

Tgt Ion:152 Resp: 2849

Ion Ratio Lower Upper

152 100

151 20.7 16.7 25.1



#12

2-Methylnaphthalene

Concen: 0.032 ng

RT: 12.242 min Scan# 1217

Delta R.T. -0.004 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

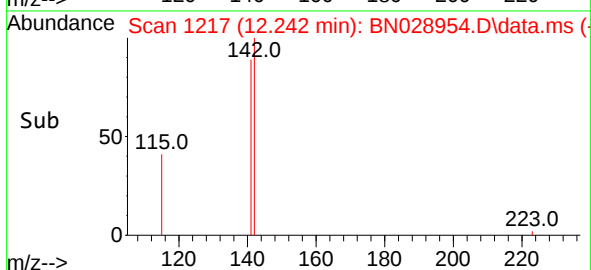
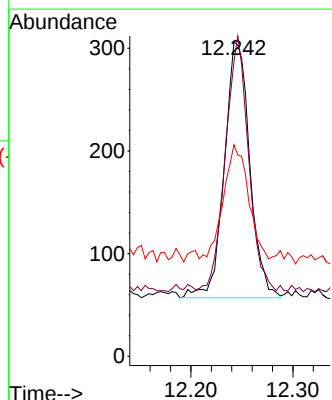
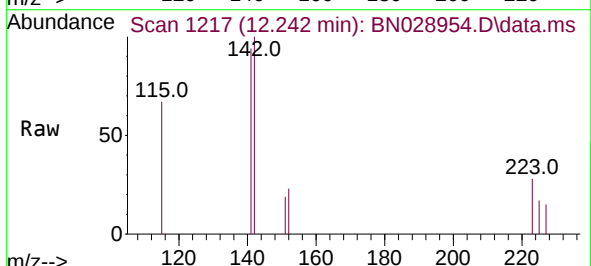
Tgt Ion:142 Resp: 433

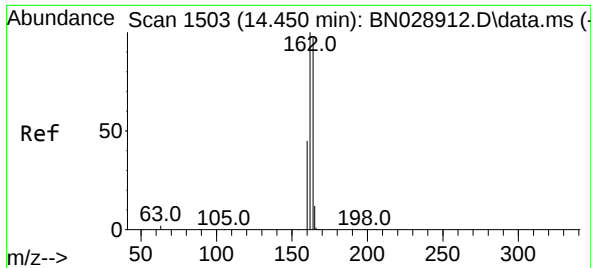
Ion Ratio Lower Upper

142 100

141 93.8 73.1 109.7

115 67.3 37.6 56.4#

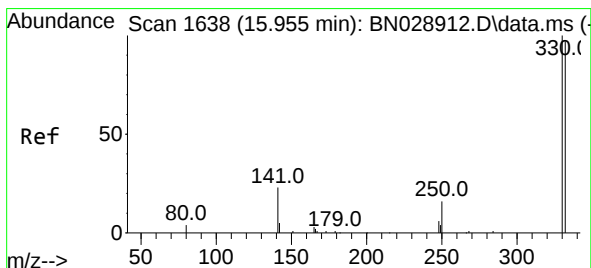
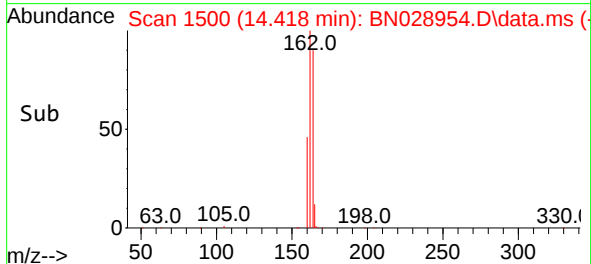
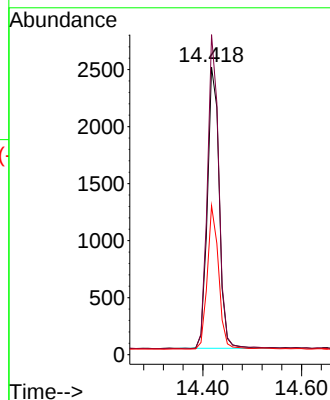
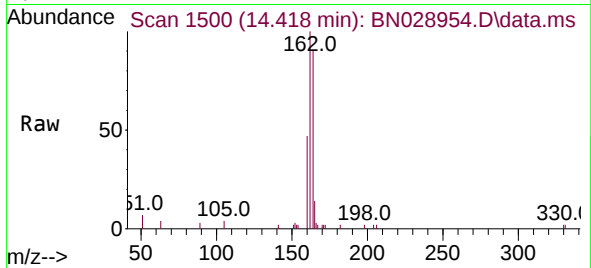




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

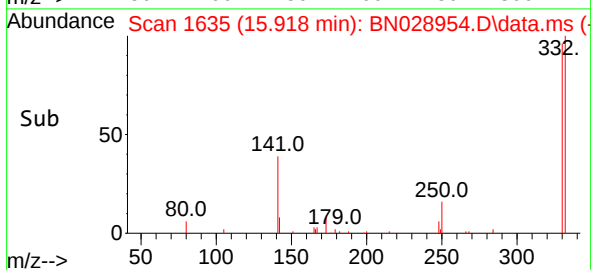
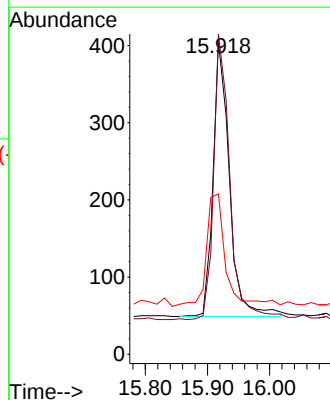
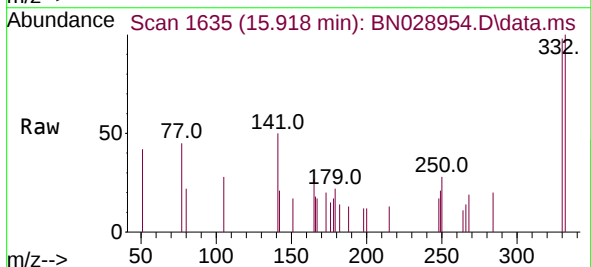
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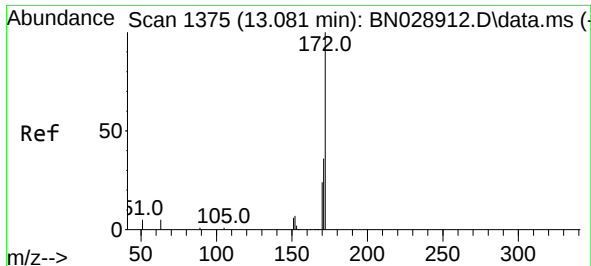
Tgt Ion:164 Resp: 4092
Ion Ratio Lower Upper
164 100
162 111.3 81.7 122.5
160 51.8 37.0 55.6



#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.918 min Scan# 1635
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:330 Resp: 647
Ion Ratio Lower Upper
330 100
332 102.6 75.4 113.2
141 45.0 35.7 53.5

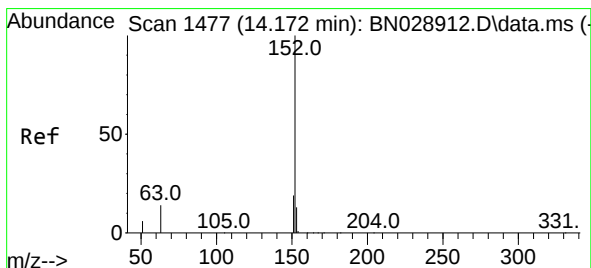
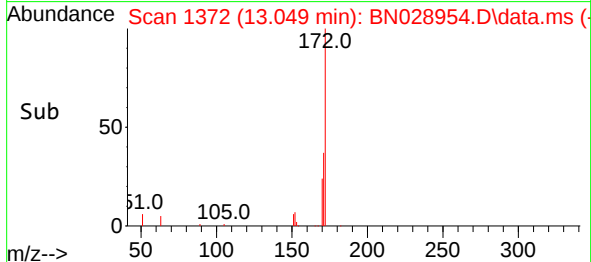
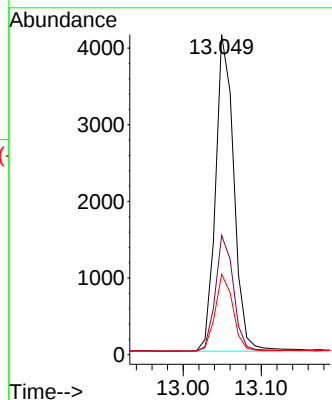
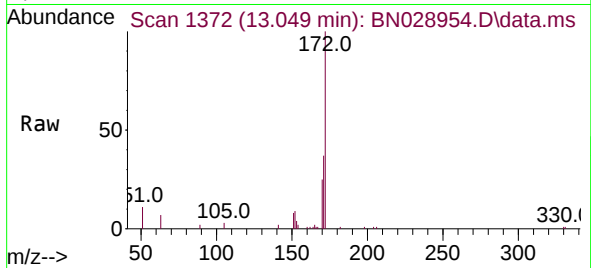




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.049 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

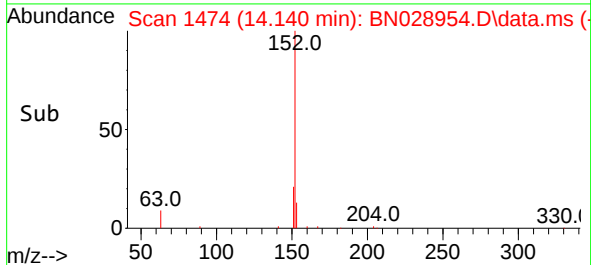
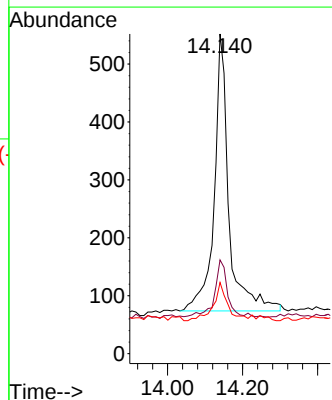
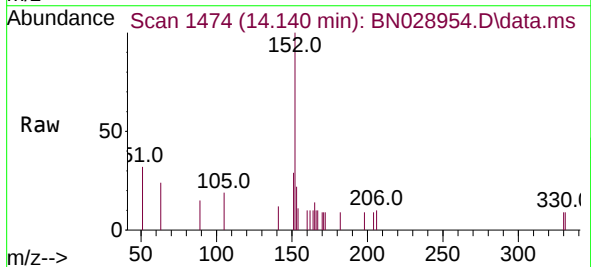
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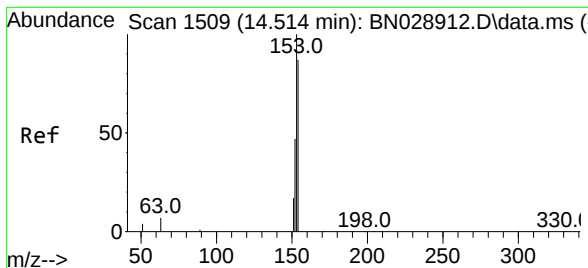
Tgt Ion:172 Resp: 6685
Ion Ratio Lower Upper
172 100
171 37.3 29.0 43.4
170 25.1 19.7 29.5



#16
Acenaphthylene
Concen: 0.060 ng
RT: 14.140 min Scan# 1474
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:152 Resp: 1298
Ion Ratio Lower Upper
152 100
151 18.1 15.9 23.9
153 13.5 10.8 16.2





#17

Acenaphthene

Concen: 0.024 ng

RT: 14.482 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108

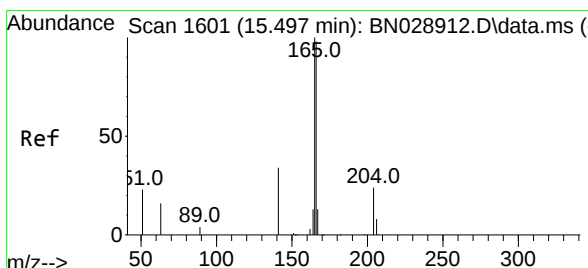
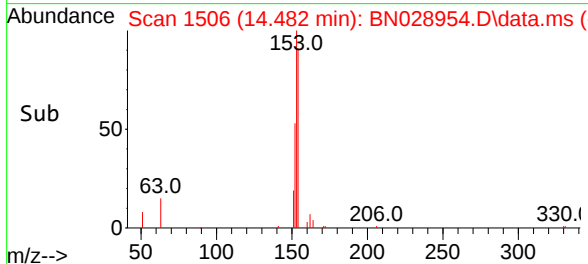
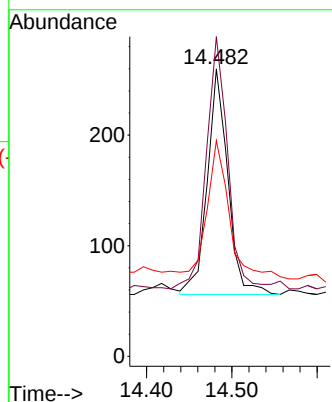
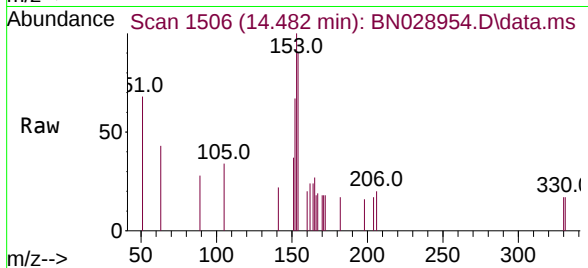
Tgt Ion:154 Resp: 341

Ion Ratio Lower Upper

154 100

153 117.0 93.8 140.6

152 67.7 44.5 66.7#



#18

Fluorene

Concen: 0.033 ng

RT: 15.476 min Scan# 1599

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

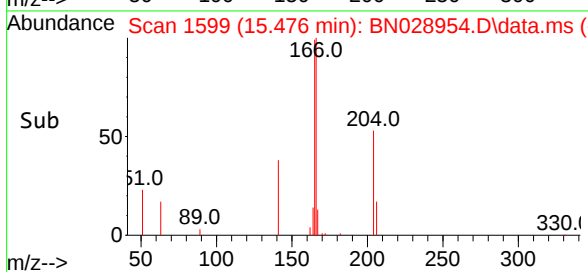
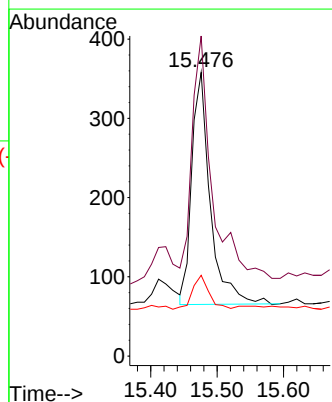
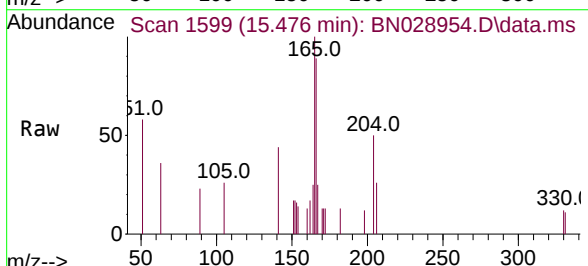
Tgt Ion:166 Resp: 608

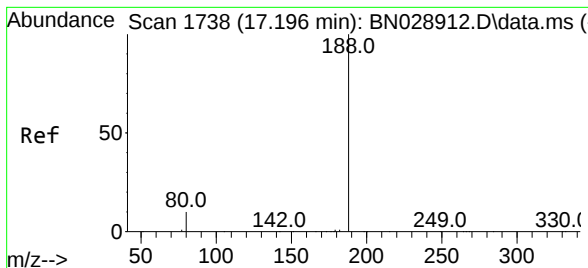
Ion Ratio Lower Upper

166 100

165 114.8 79.4 119.2

167 12.5 11.0 16.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108

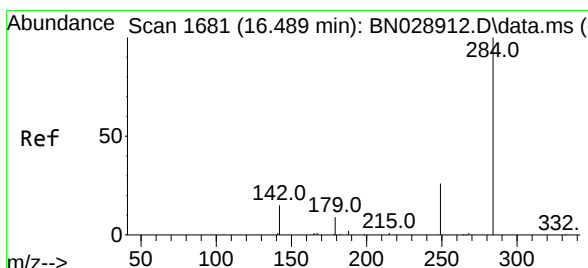
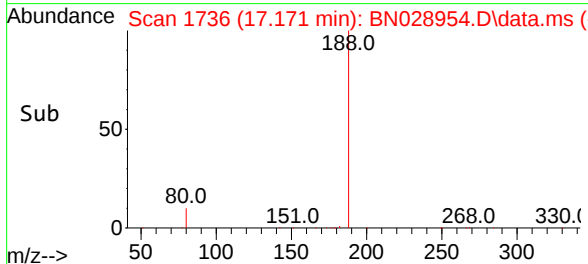
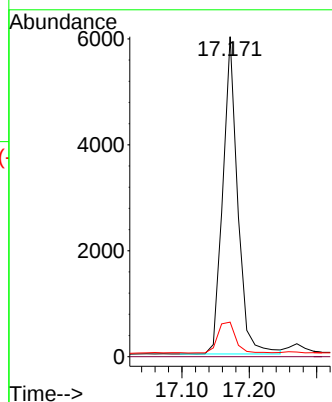
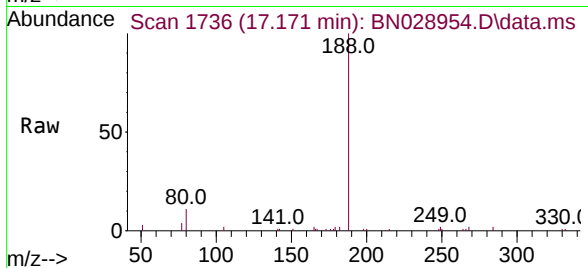
Tgt Ion:188 Resp: 9175

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.8 9.0 13.6



#22

Hexachlorobenzene

Concen: 0.023 ng

RT: 16.464 min Scan# 1679

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

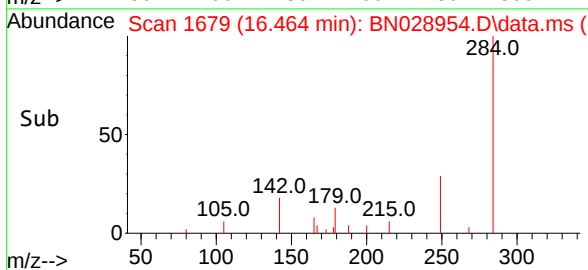
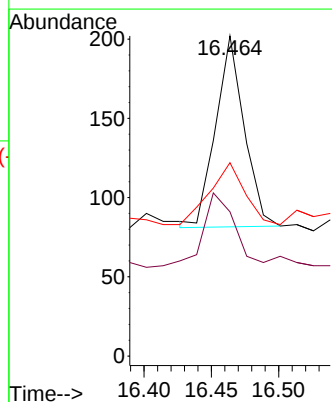
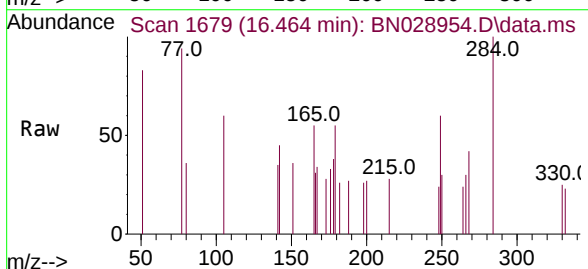
Tgt Ion:284 Resp: 177

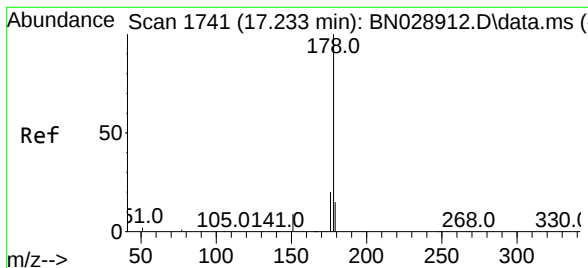
Ion Ratio Lower Upper

284 100

142 48.6 34.1 51.1

249 39.5 25.7 38.5#





#25

Phenanthrene

Concen: 0.029 ng

RT: 17.209 min Scan# 1739

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108

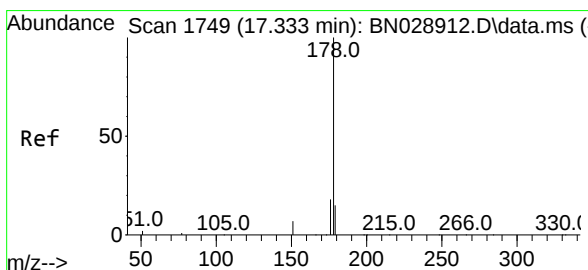
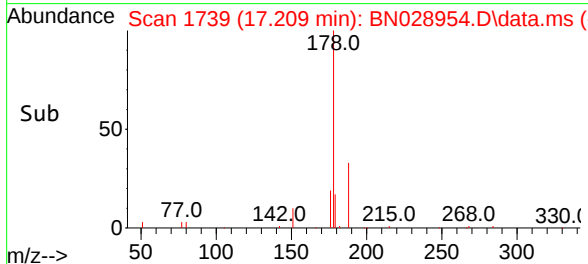
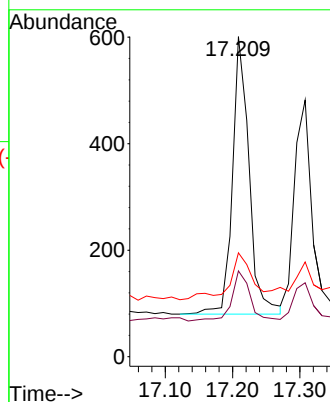
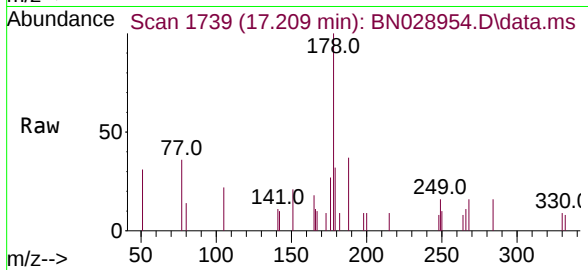
Tgt Ion:178 Resp: 893

Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

179 23.7 14.1 21.1#



#26

Anthracene

Concen: 0.025 ng

RT: 17.308 min Scan# 1747

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

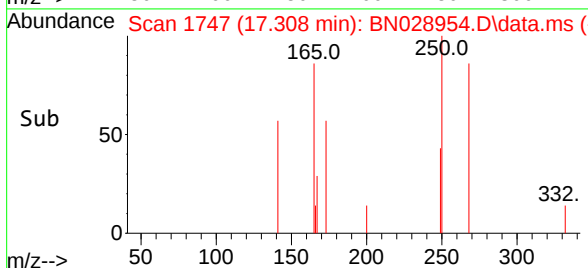
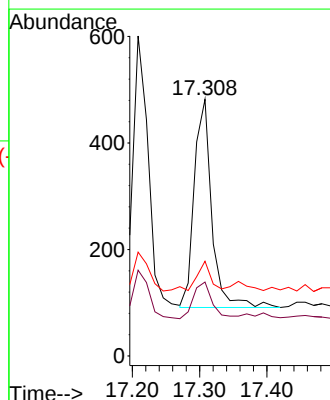
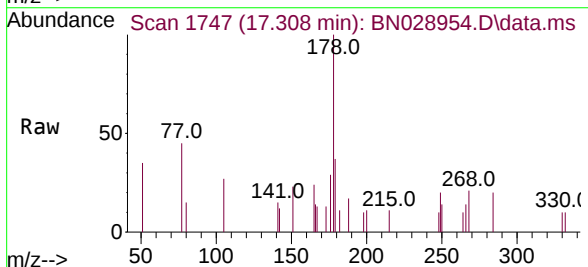
Tgt Ion:178 Resp: 712

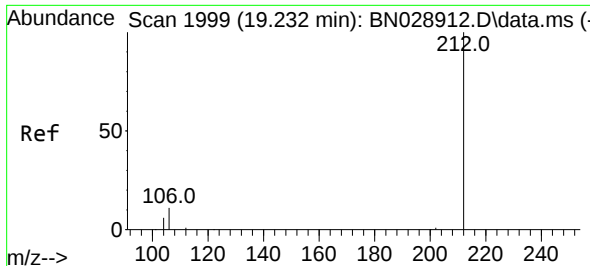
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 10.4 12.2 18.2#

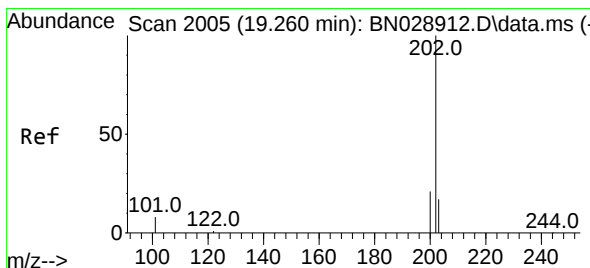
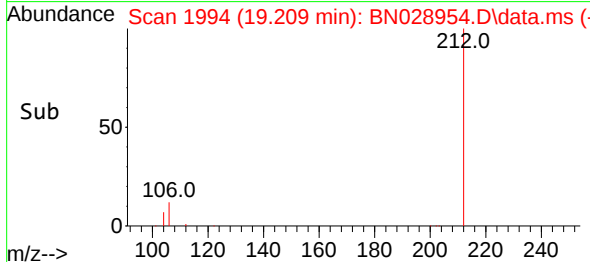
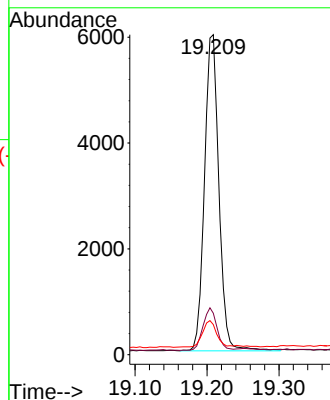
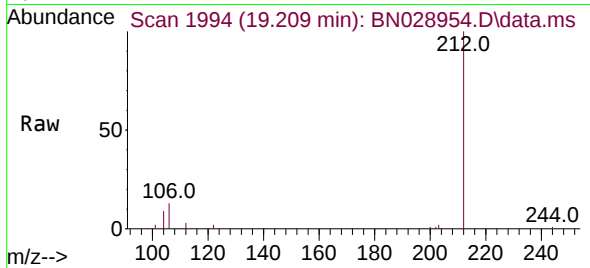




#27
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

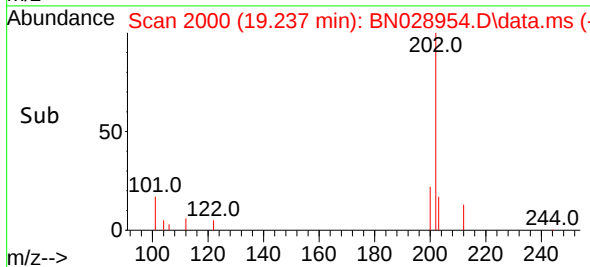
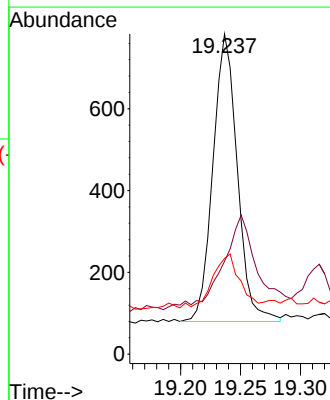
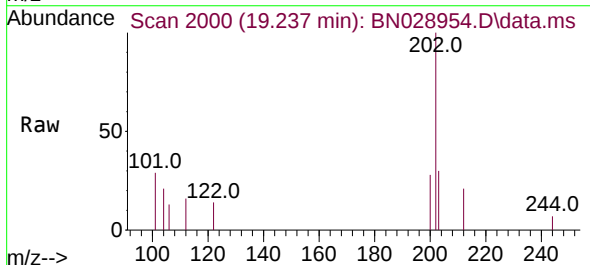
Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

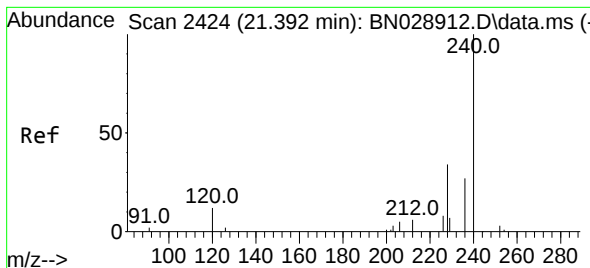
Tgt Ion:212 Resp: 8279
Ion Ratio Lower Upper
212 100
106 13.1 9.4 14.2
104 8.4 6.2 9.2



#28
Fluoranthene
Concen: 0.032 ng
RT: 19.237 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:202 Resp: 994
Ion Ratio Lower Upper
202 100
101 46.9 7.3 10.9#
203 21.0 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: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108

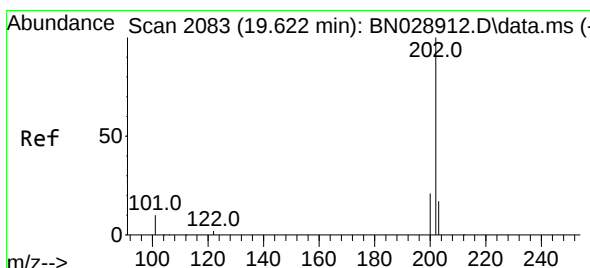
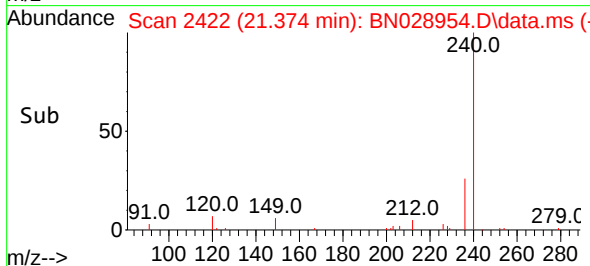
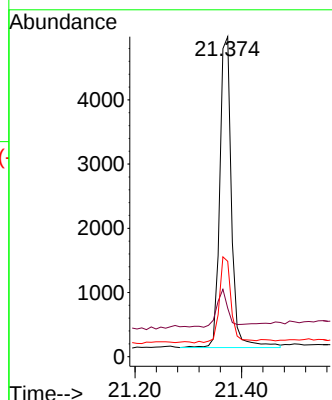
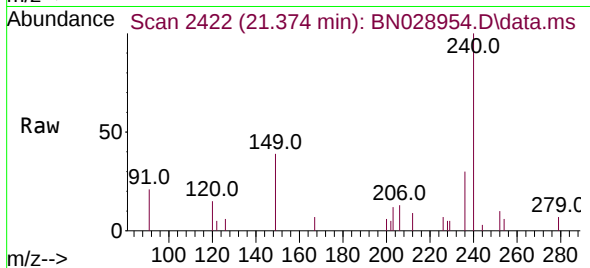
Tgt Ion:240 Resp: 7381

Ion Ratio Lower Upper

240 100

120 15.2 37.1 55.7#

236 29.8 32.4 48.6#



#30

Pyrene

Concen: 0.113 ng

RT: 19.599 min Scan# 2078

Delta R.T. -0.005 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

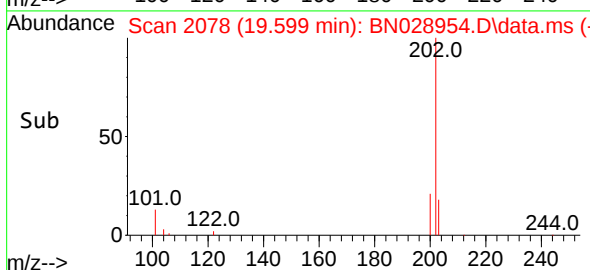
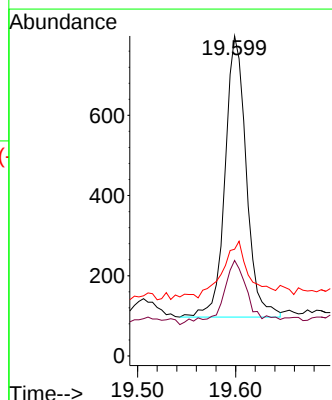
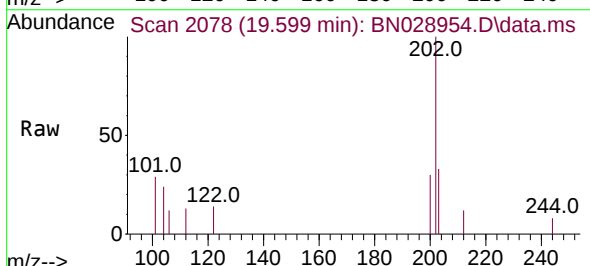
Tgt Ion:202 Resp: 1056

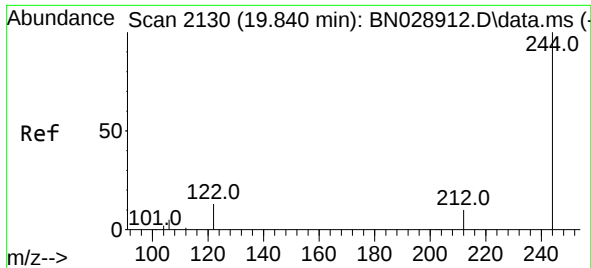
Ion Ratio Lower Upper

202 100

200 27.5 16.9 25.3#

203 25.2 14.8 22.2#

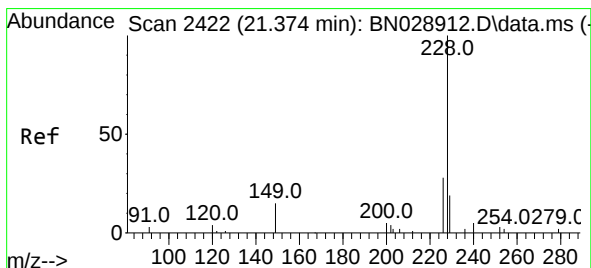
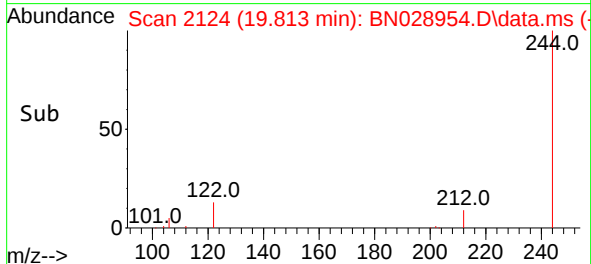
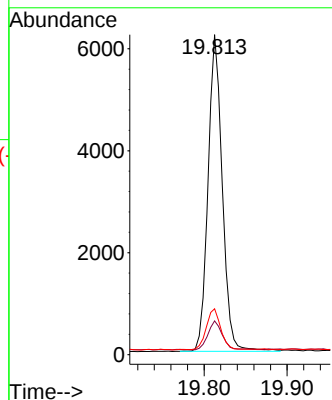
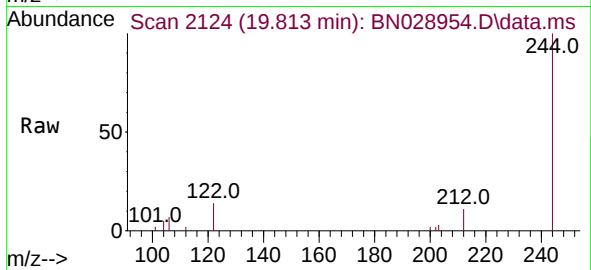




#31
 Terphenyl-d14
 Concen: 0.371 ng
 RT: 19.813 min Scan# 2130
 Delta R.T. -0.005 min
 Lab File: BN028954.D
 Acq: 01 Dec 2023 19:24

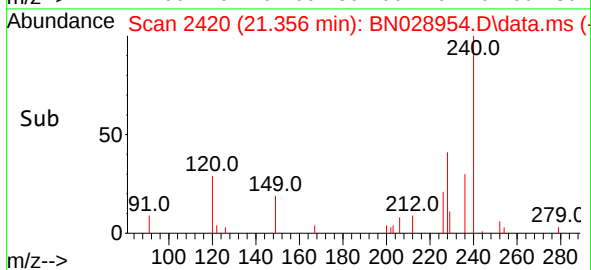
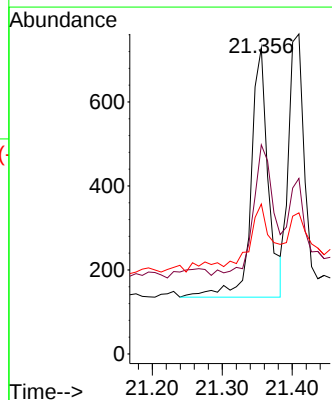
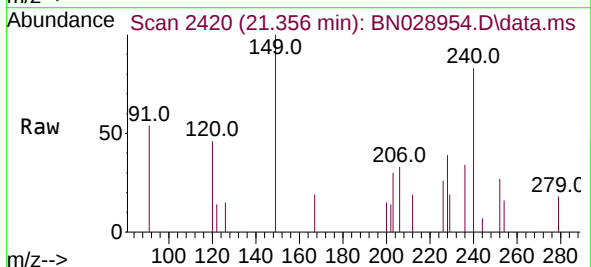
Instrument :
 BNA_N
 ClientSampleId :
 TT163S1-20231108

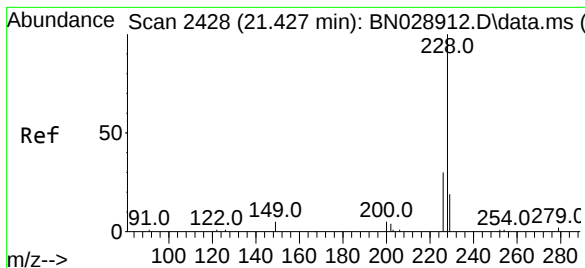
Tgt Ion:244 Resp: 7443
 Ion Ratio Lower Upper
 244 100
 212 10.6 11.5 17.3#
 122 14.4 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.033 ng
 RT: 21.356 min Scan# 2420
 Delta R.T. -0.000 min
 Lab File: BN028954.D
 Acq: 01 Dec 2023 19:24

Tgt Ion:228 Resp: 1022
 Ion Ratio Lower Upper
 228 100
 226 68.3 26.5 39.7#
 229 49.0 16.4 24.6#





#33

Chrysene

Concen: 0.028 ng

RT: 21.410 min Scan# 2428

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108

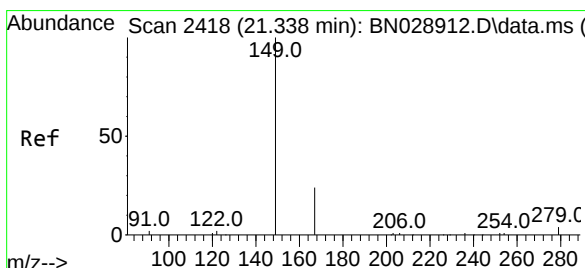
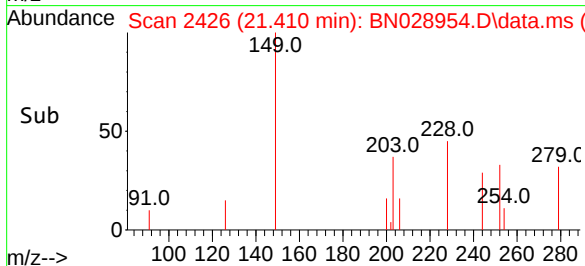
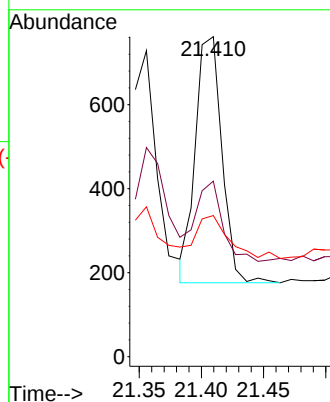
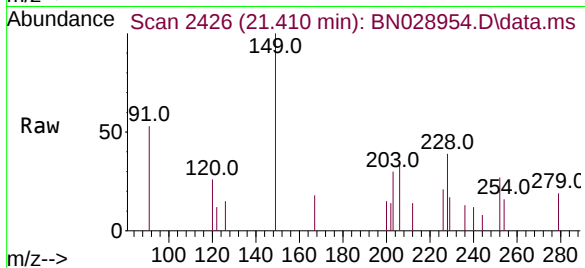
Tgt Ion:228 Resp: 868

Ion Ratio Lower Upper

228 100

226 54.9 28.3 42.5#

229 44.1 16.4 24.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.293 min Scan# 2413

Delta R.T. -0.009 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

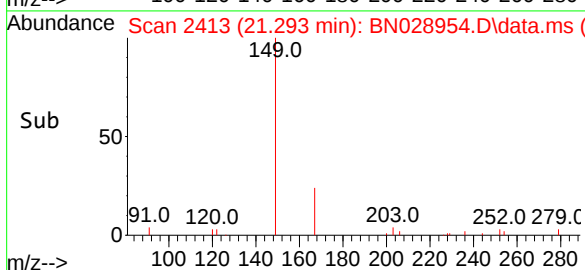
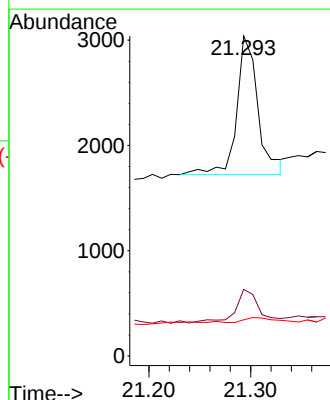
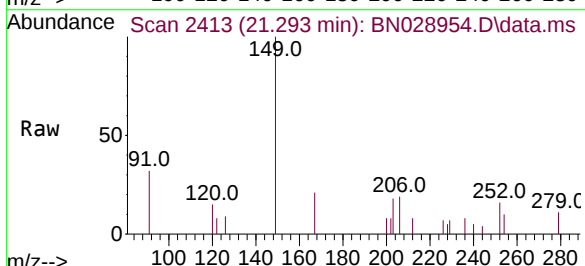
Tgt Ion:149 Resp: 1919

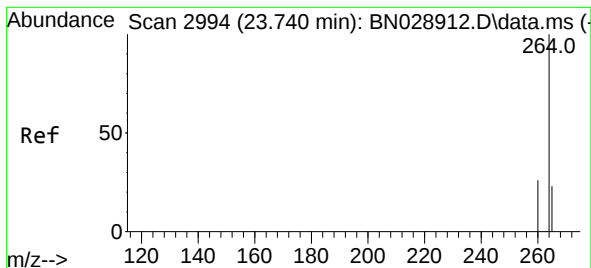
Ion Ratio Lower Upper

149 100

167 28.7 14.9 22.3#

279 5.0 6.3 9.5#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.705 min Scan# 2994

Delta R.T. -0.003 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108

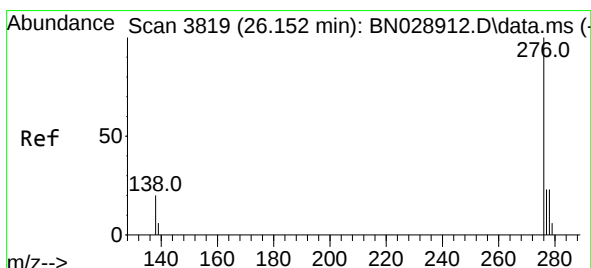
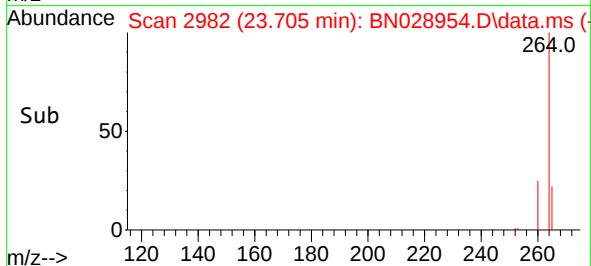
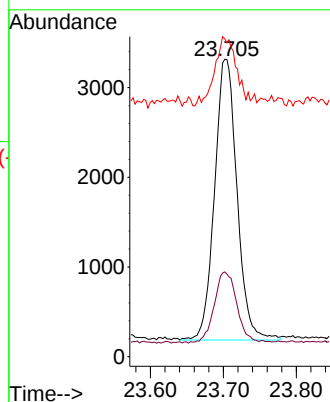
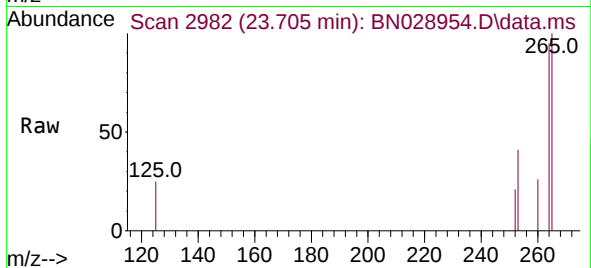
Tgt Ion:264 Resp: 6713

Ion Ratio Lower Upper

264 100

260 27.8 20.6 30.8

265 105.5 464.5 696.7#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.025 ng

RT: 26.096 min Scan# 3800

Delta R.T. -0.006 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

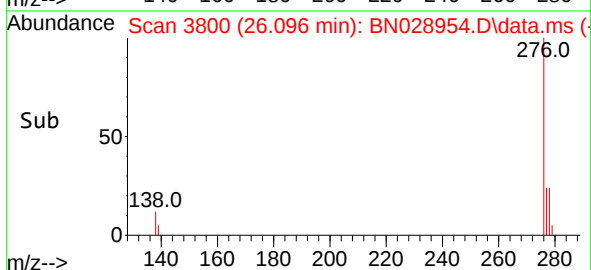
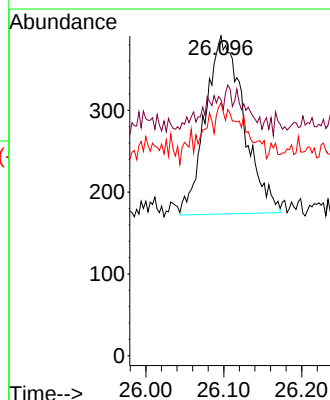
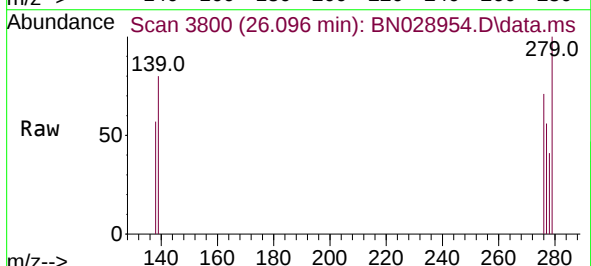
Tgt Ion:276 Resp: 745

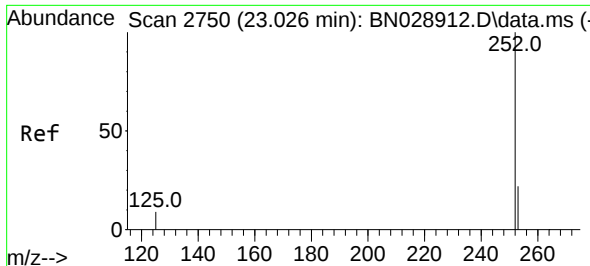
Ion Ratio Lower Upper

276 100

138 1.9 20.9 31.3#

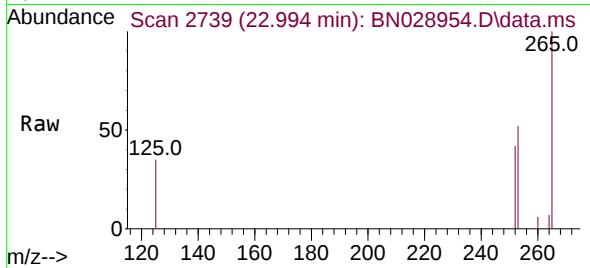
277 3.1 20.2 30.4#



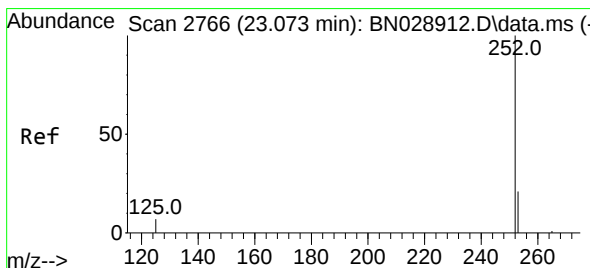
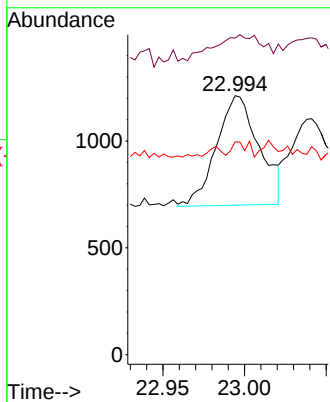


#37
Benzo(b)fluoranthene
Concen: 0.034 ng
RT: 22.994 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

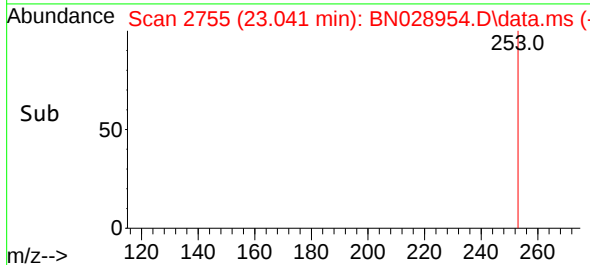
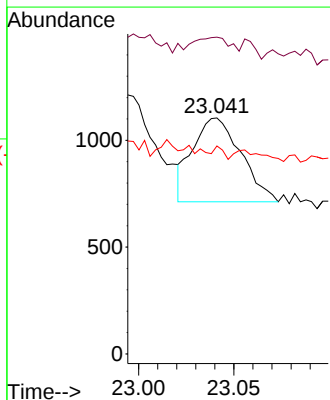
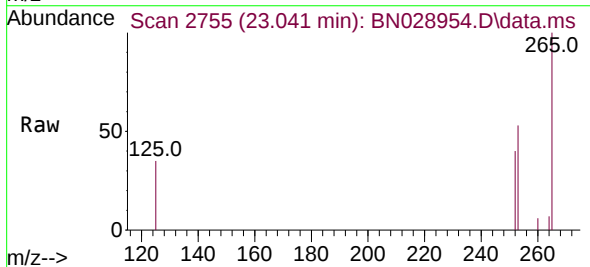


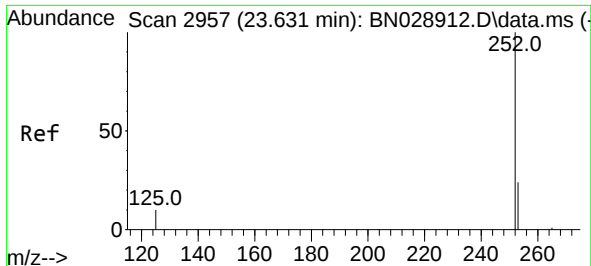
Tgt Ion:252 Resp: 931
Ion Ratio Lower Upper
252 100
253 122.2 94.5 141.7
125 82.2 23.8 35.8#



#38
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 23.041 min Scan# 2755
Delta R.T. -0.003 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:252 Resp: 694
Ion Ratio Lower Upper
252 100
253 134.2 95.2 142.8
125 88.1 24.3 36.5#





#39

Benzo(a)pyrene

Concen: 0.022 ng

RT: 23.602 min Scan# 2947

Delta R.T. -0.000 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108

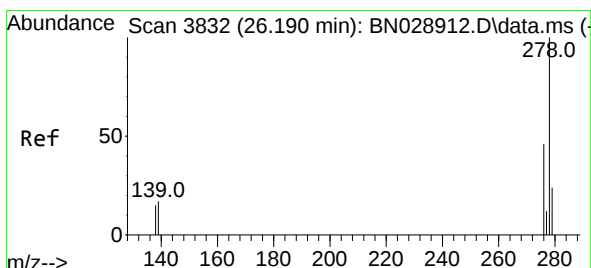
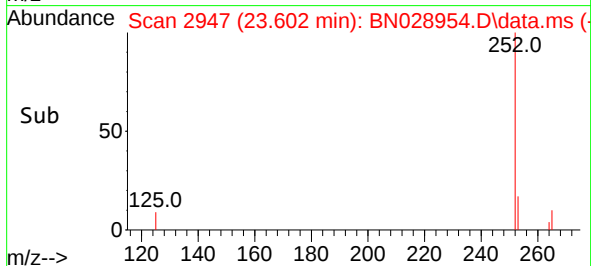
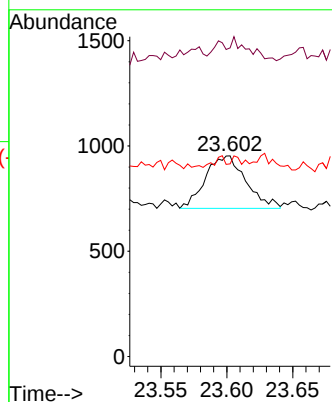
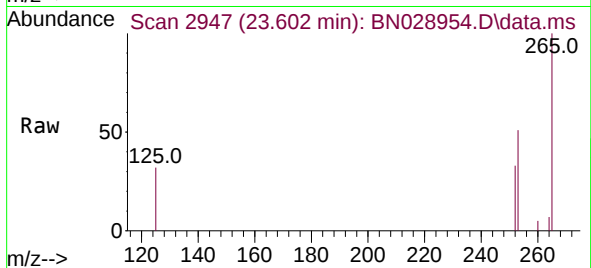
Tgt Ion:252 Resp: 530

Ion Ratio Lower Upper

252 100

253 153.8 110.2 165.4

125 96.0 27.0 40.4#



#40

Dibenzo(a,h)anthracene

Concen: 0.023 ng

RT: 26.123 min Scan# 3809

Delta R.T. -0.009 min

Lab File: BN028954.D

Acq: 01 Dec 2023 19:24

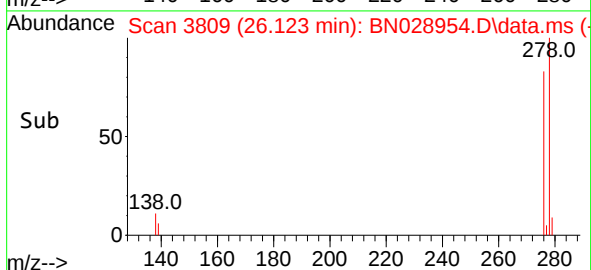
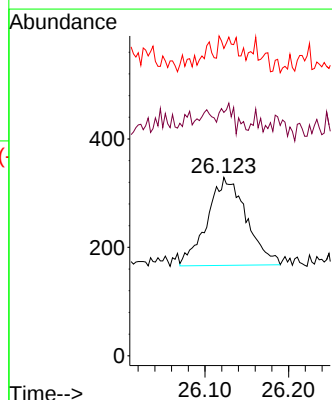
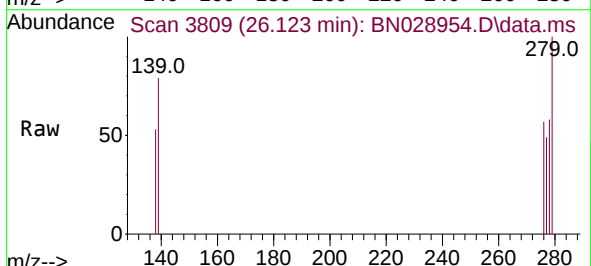
Tgt Ion:278 Resp: 526

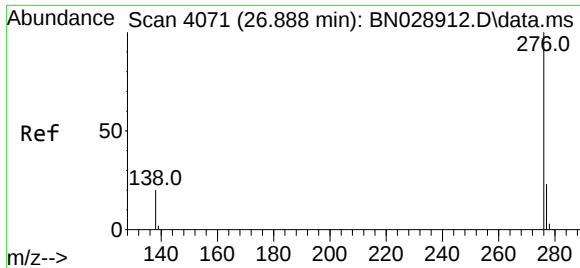
Ion Ratio Lower Upper

278 100

139 136.5 22.6 33.8#

279 172.3 102.6 153.8#





#41

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 26.836 min Scan# 40

Delta R.T. -0.006 min

Lab File: BN028954.D

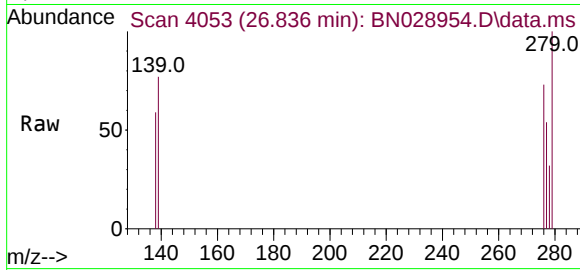
Acq: 01 Dec 2023 19:24

Instrument :

BNA_N

ClientSampleId :

TT163S1-20231108



Tgt Ion:276 Resp: 569

Ion Ratio Lower Upper

276 100

277 74.8 28.9 43.3#

138 81.5 36.2 54.2#

