

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120123\
 Data File : BN028953.D
 Acq On : 01 Dec 2023 18:49
 Operator : MA/JU
 Sample : 05357-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP01-20231107

Quant Time: Dec 01 23:15:50 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)

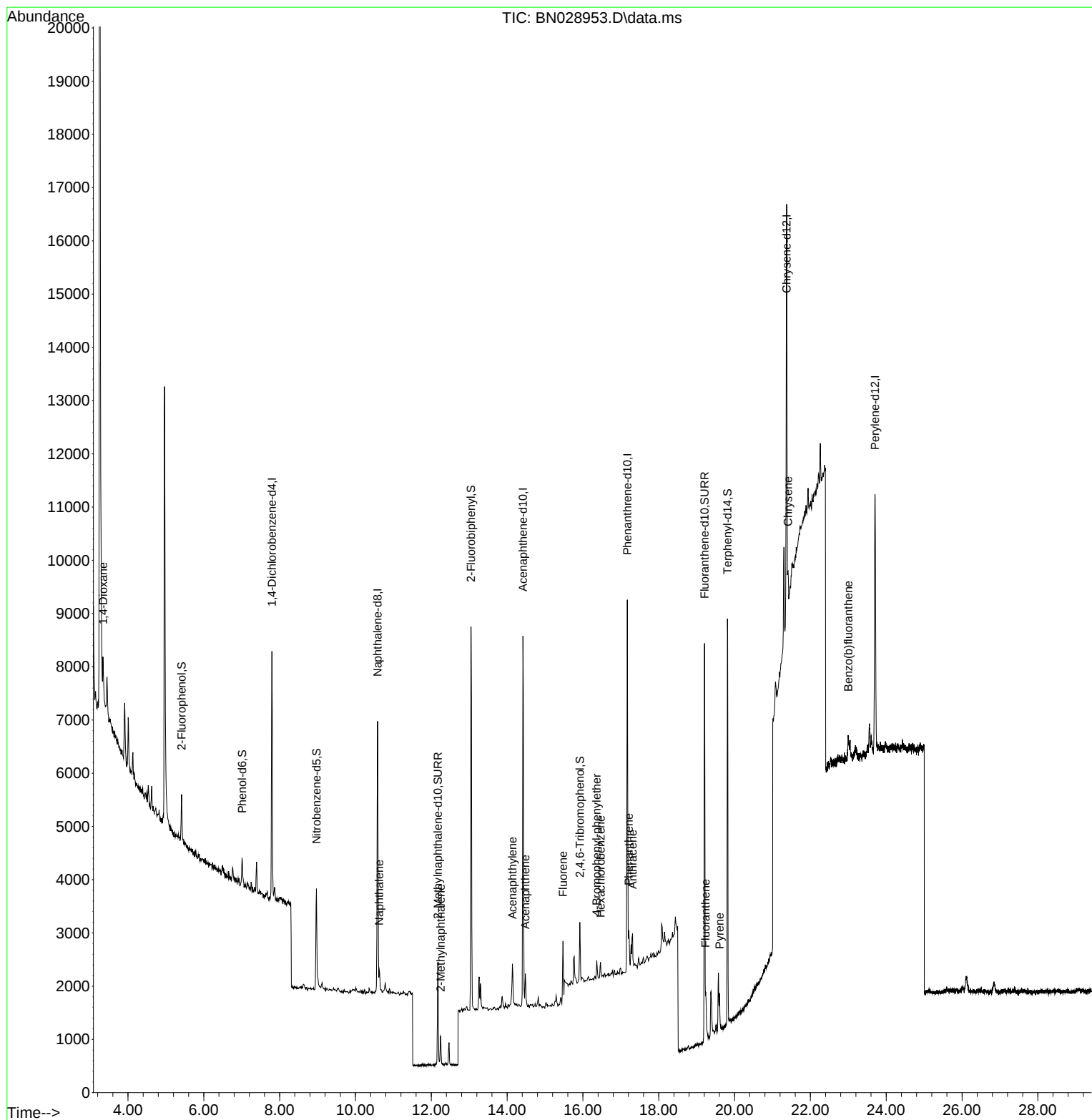
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	2180	0.400	ng	0.00
7) Naphthalene-d8	10.583	136	6650	0.400	ng	0.00
13) Acenaphthene-d10	14.417	164	4117	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	9238	0.400	ng	0.00
29) Chrysene-d12	21.374	240	7001	0.400	ng	# 0.00
35) Perylene-d12	23.705	264	6602	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.413	112	643	0.097	ng	0.00
5) Phenol-d6	7.009	99	448	0.061	ng	0.00
8) Nitrobenzene-d5	8.971	82	1643	0.249	ng	0.00
11) 2-Methylnaphthalene-d10	12.170	152	2678	0.251	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	648	0.233	ng	0.00
15) 2-Fluorobiphenyl	13.049	172	6312	0.355	ng	0.00
27) Fluoranthene-d10	19.209	212	8312	0.342	ng	0.00
31) Terphenyl-d14	19.812	244	7423	0.382	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.348	88	605	0.283	ng	# 67
9) Naphthalene	10.626	128	445	0.021	ng	# 55
12) 2-Methylnaphthalene	12.246	142	376	0.028	ng	# 86
16) Acenaphthylene	14.140	152	1681	0.077	ng	# 90
17) Acenaphthene	14.482	154	317	0.022	ng	91
18) Fluorene	15.476	166	629	0.034	ng	85
21) 4-Bromophenyl-phenylether	16.364	248	130	0.020	ng	# 64
22) Hexachlorobenzene	16.464	284	187	0.024	ng	# 91
25) Phenanthrene	17.208	178	735	0.024	ng	94
26) Anthracene	17.308	178	739	0.026	ng	96
28) Fluoranthene	19.236	202	660	0.021	ng	# 53
30) Pyrene	19.603	202	670	0.107	ng	# 83
33) Chrysene	21.409	228	592	0.020	ng	# 46
37) Benzo(b)fluoranthene	23.000	252	653	0.024	ng	# 55

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

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Quant Time: Dec 01 23:15:50 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

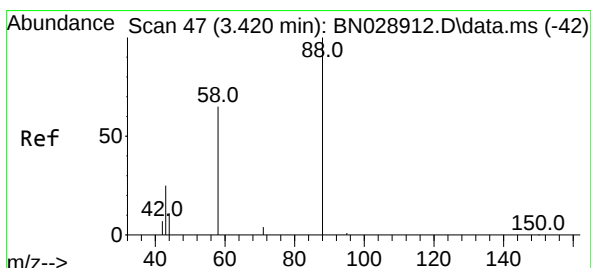
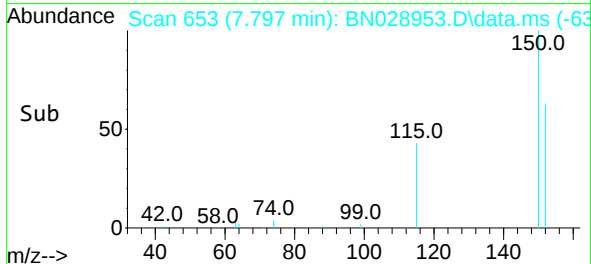
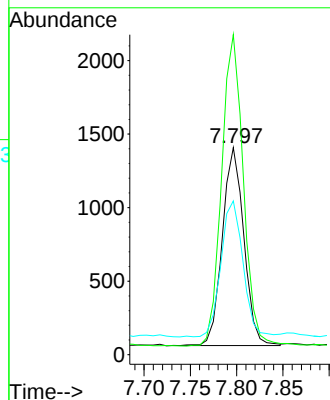
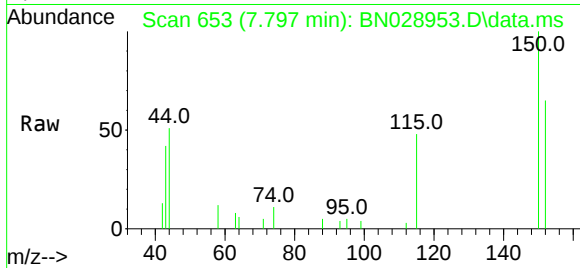




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.797 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN028953.D
 Acq: 01 Dec 2023 18:49

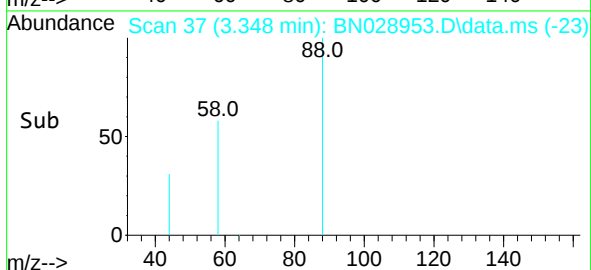
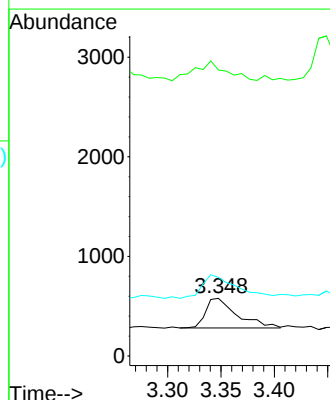
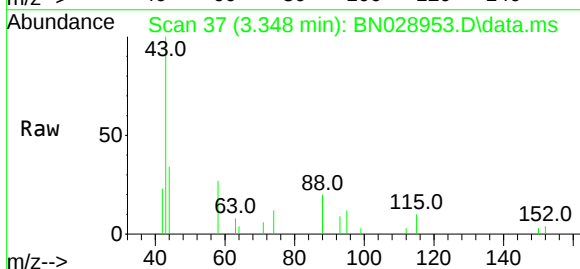
Instrument :
 BNA_N
 ClientSampleId :
 DUP01-20231107

Tgt Ion:152 Resp: 2180
 Ion Ratio Lower Upper
 152 100
 150 154.5 123.4 185.2
 115 74.3 59.1 88.7



#2
 1,4-Dioxane
 Concen: 0.283 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.000 min
 Lab File: BN028953.D
 Acq: 01 Dec 2023 18:49

Tgt Ion: 88 Resp: 605
 Ion Ratio Lower Upper
 88 100
 43 66.6 29.9 44.9#
 58 89.1 55.0 82.4#

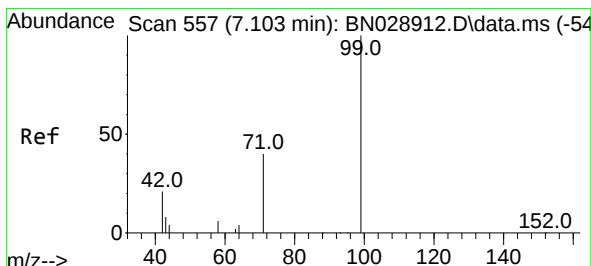
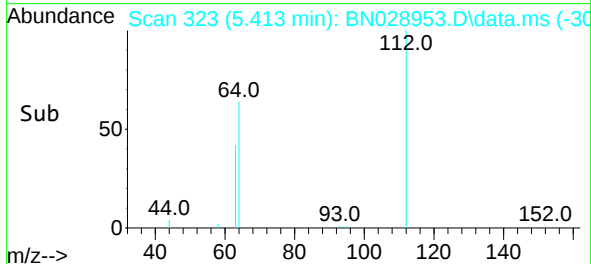
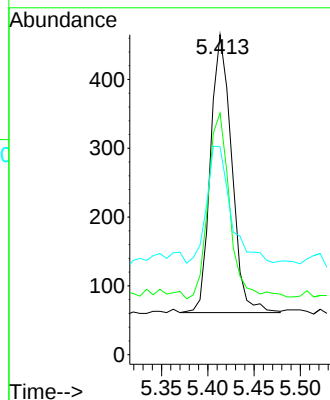
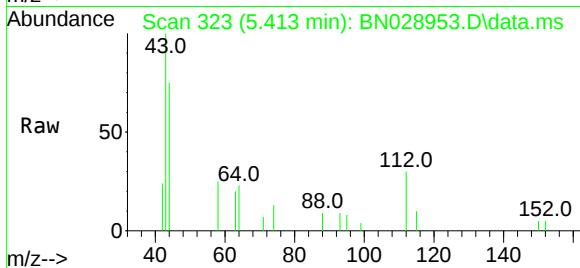




#4
2-Fluorophenol
Concen: 0.097 ng
RT: 5.413 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

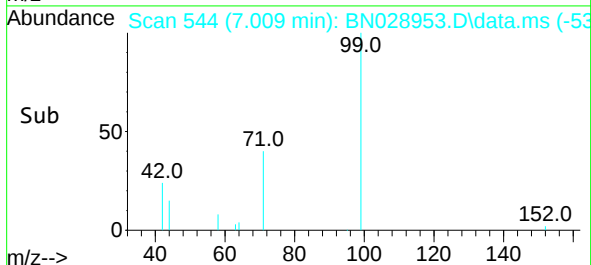
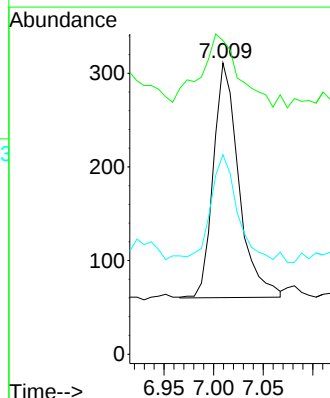
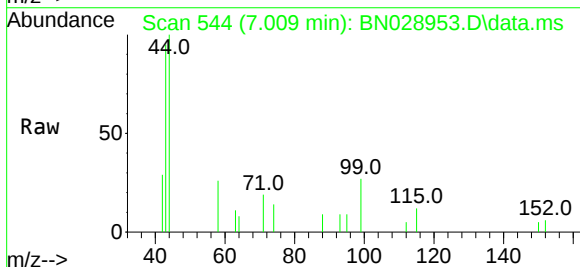
Instrument :
BNA_N
ClientSampleId :
DUP01-20231107

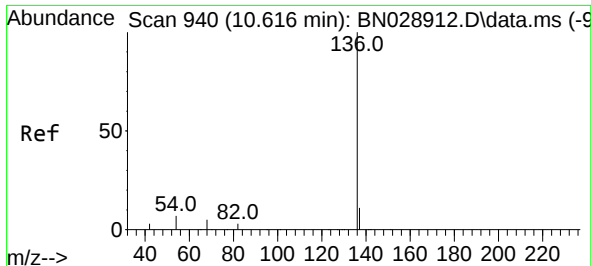
Tgt Ion:112 Resp: 643
Ion Ratio Lower Upper
112 100
64 69.4 51.5 77.3
63 48.7 30.4 45.6#



#5
Phenol-d6
Concen: 0.061 ng
RT: 7.009 min Scan# 544
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

Tgt Ion: 99 Resp: 448
Ion Ratio Lower Upper
99 100
42 46.0 21.2 31.8#
71 49.8 35.4 53.0

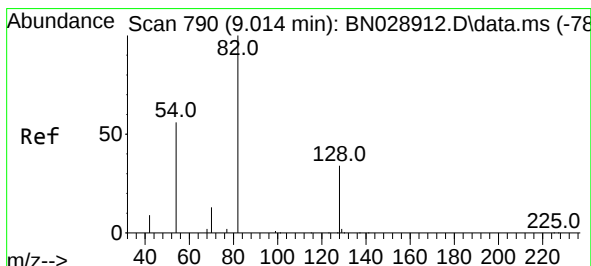
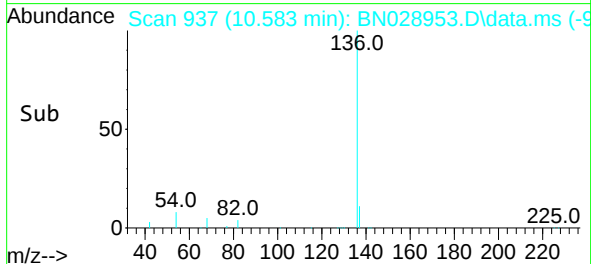
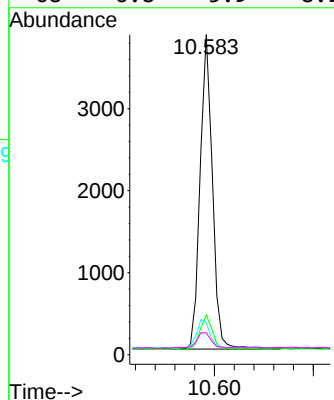
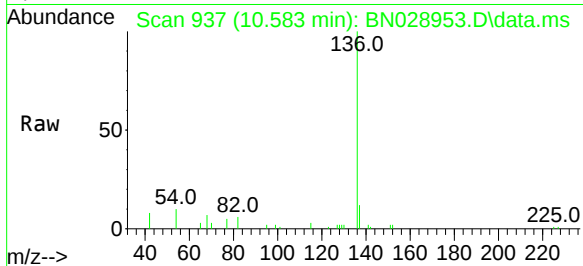




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.583 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

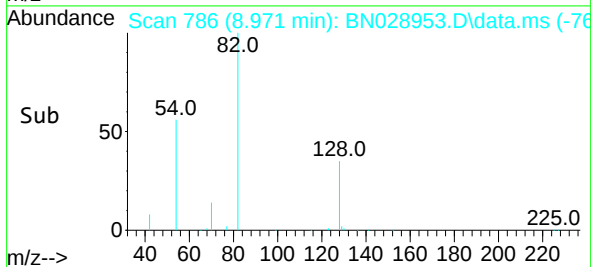
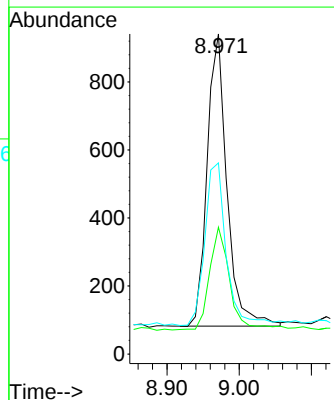
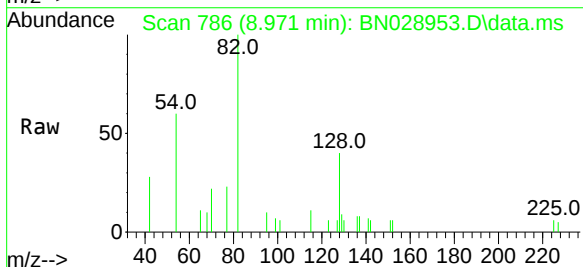
Instrument :
BNA_N
ClientSampleId :
DUP01-20231107

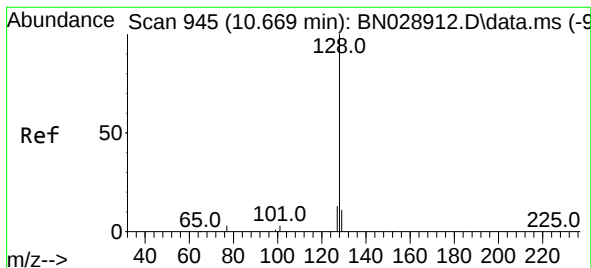
Tgt Ion:	136	Resp:	6650
Ion Ratio	Lower	Upper	
136	100		
137	12.5	10.6	16.0
54	10.0	7.5	11.3
68	6.8	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.249 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

Tgt Ion:	82	Resp:	1643
Ion Ratio	Lower	Upper	
82	100		
128	39.6	29.2	43.8
54	59.7	47.0	70.6





#9

Naphthalene

Concen: 0.021 ng

RT: 10.626 min Scan# 941

Delta R.T. -0.011 min

Lab File: BN028953.D

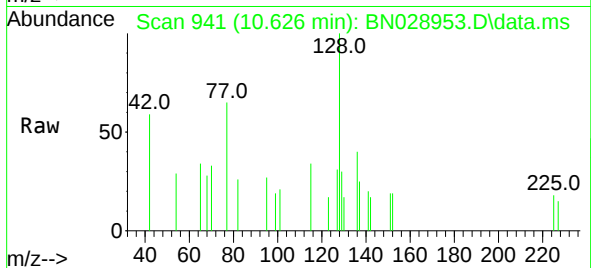
Acq: 01 Dec 2023 18:49

Instrument :

BNA_N

ClientSampleId :

DUP01-20231107



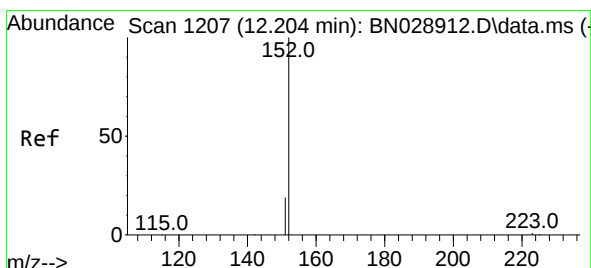
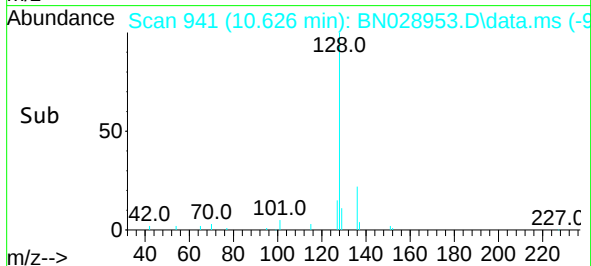
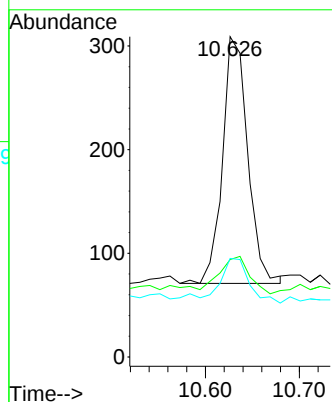
Tgt Ion:128 Resp: 445

Ion Ratio Lower Upper

128 100

129 30.4 9.5 14.3#

127 30.7 11.0 16.4#



#11

2-Methylnaphthalene-d10

Concen: 0.251 ng

RT: 12.170 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BN028953.D

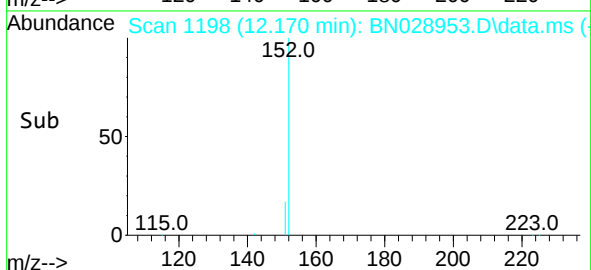
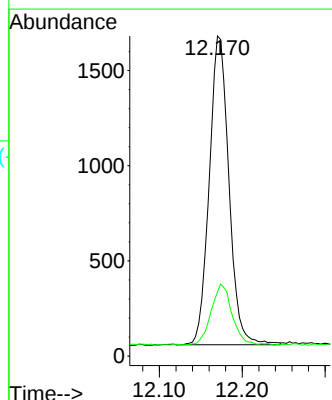
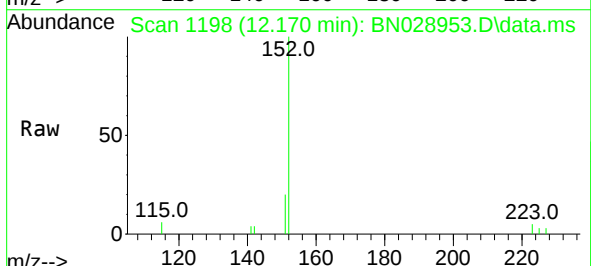
Acq: 01 Dec 2023 18:49

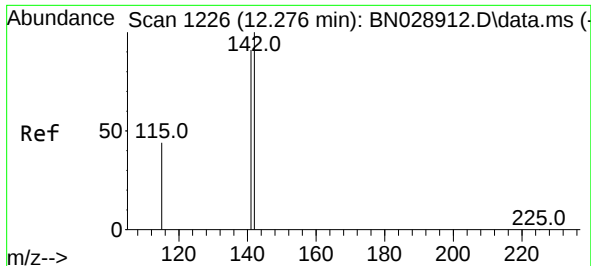
Tgt Ion:152 Resp: 2678

Ion Ratio Lower Upper

152 100

151 20.6 16.7 25.1

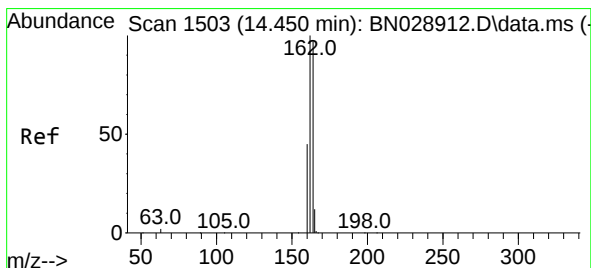
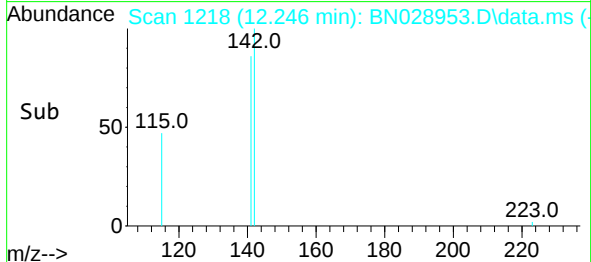
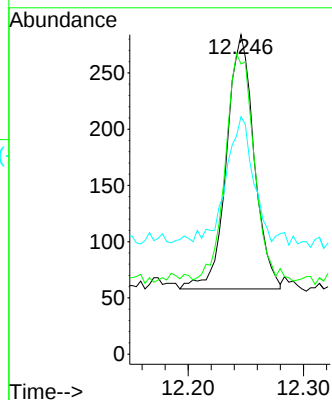
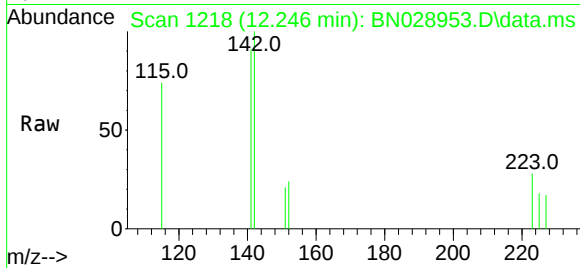




#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

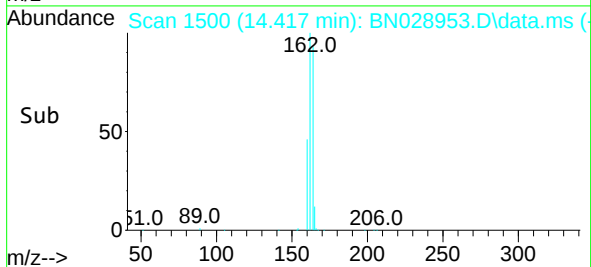
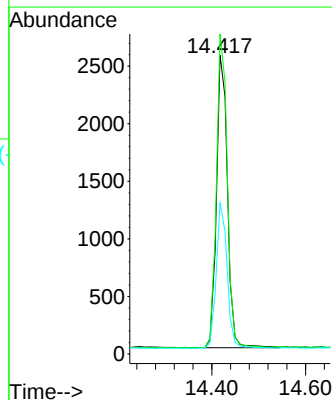
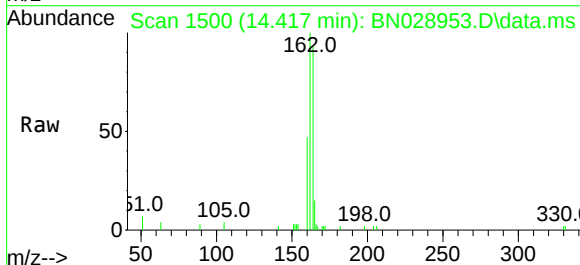
Instrument :
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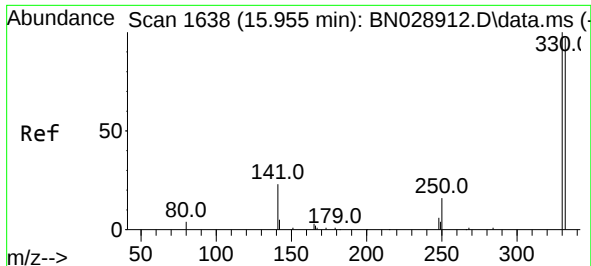
Tgt Ion:142 Resp: 376
Ion Ratio Lower Upper
142 100
141 90.8 73.1 109.7
115 74.3 37.6 56.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.417 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

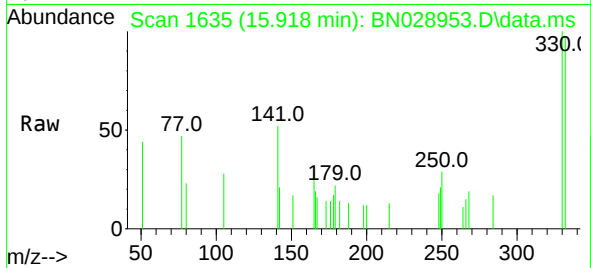
Tgt Ion:164 Resp: 4117
Ion Ratio Lower Upper
164 100
162 107.1 81.7 122.5
160 50.6 37.0 55.6



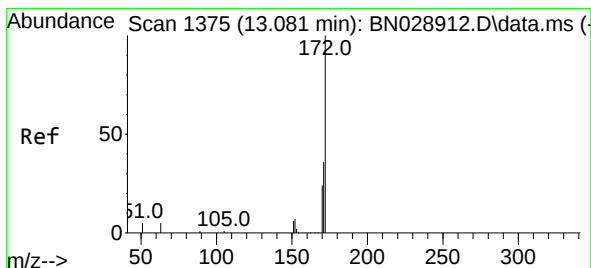
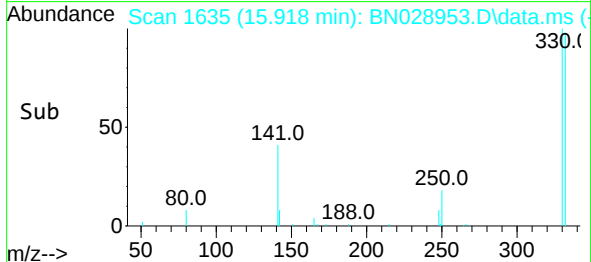
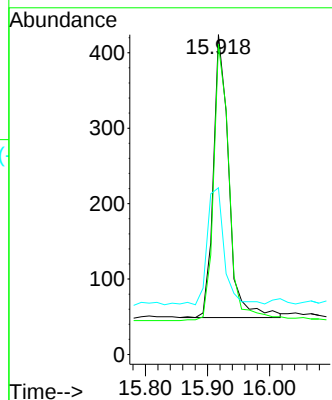


#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 15.918 min Scan# 1635
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

Instrument :
BNA_N
ClientSampleId :
DUP01-20231107

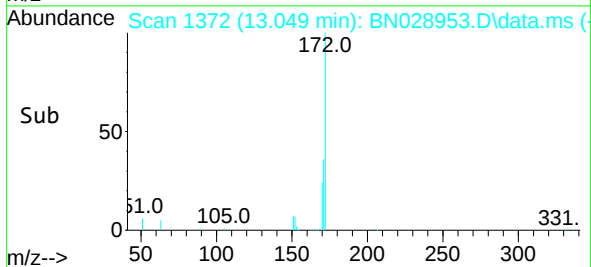
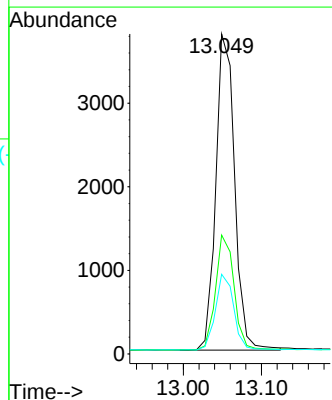
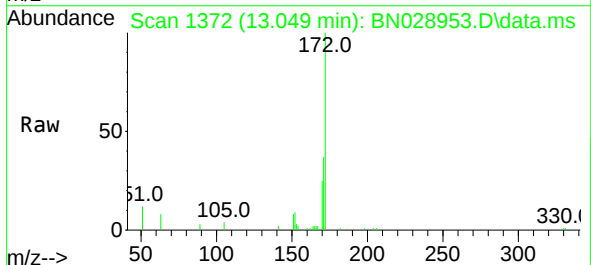


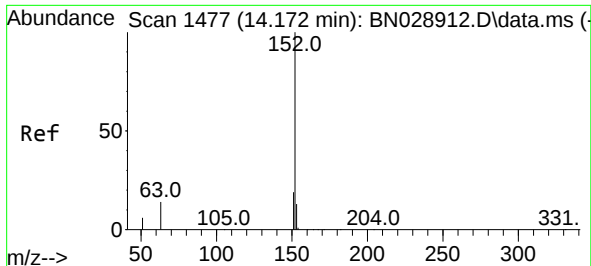
Tgt Ion:330 Resp: 648
Ion Ratio Lower Upper
330 100
332 97.8 75.4 113.2
141 44.3 35.7 53.5



#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.049 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

Tgt Ion:172 Resp: 6312
Ion Ratio Lower Upper
172 100
171 37.2 29.0 43.4
170 24.9 19.7 29.5

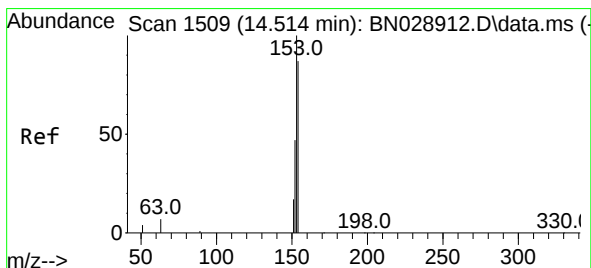
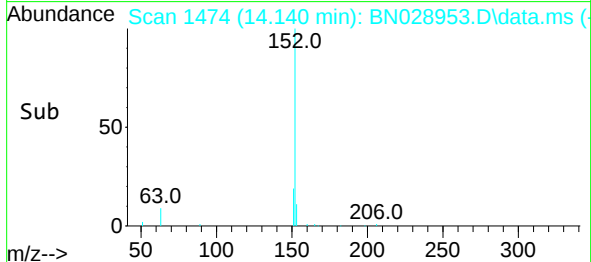
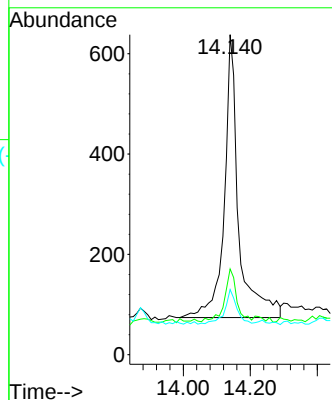
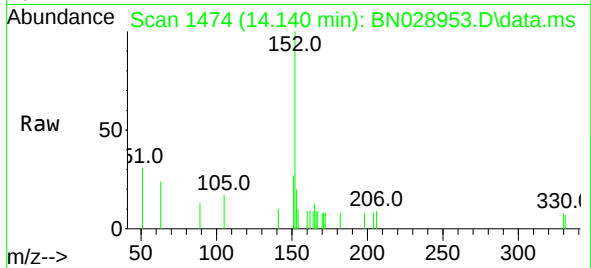




#16
Acenaphthylene
Concen: 0.077 ng
RT: 14.140 min Scan# 1474
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

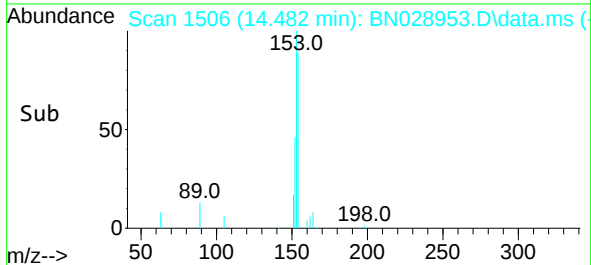
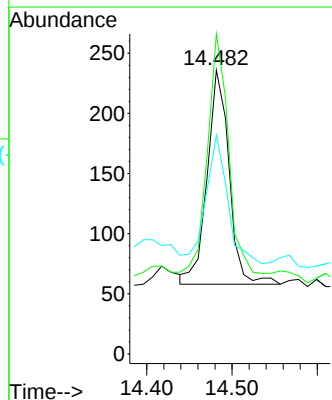
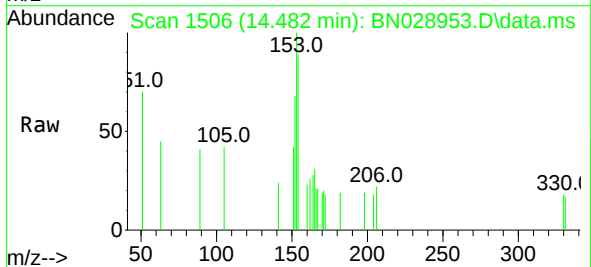
Instrument :
BNA_N
ClientSampleId :
DUP01-20231107

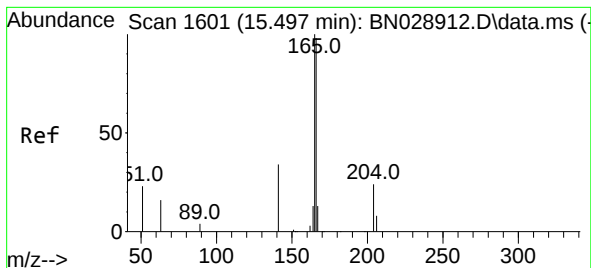
Tgt Ion:152 Resp: 1681
Ion Ratio Lower Upper
152 100
151 15.5 15.9 23.9#
153 9.6 10.8 16.2#



#17
Acenaphthene
Concen: 0.022 ng
RT: 14.482 min Scan# 1506
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

Tgt Ion:154 Resp: 317
Ion Ratio Lower Upper
154 100
153 105.0 93.8 140.6
152 59.6 44.5 66.7





#18

Fluorene

Concen: 0.034 ng

RT: 15.476 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN028953.D

Acq: 01 Dec 2023 18:49

Instrument :

BNA_N

ClientSampleId :

DUP01-20231107

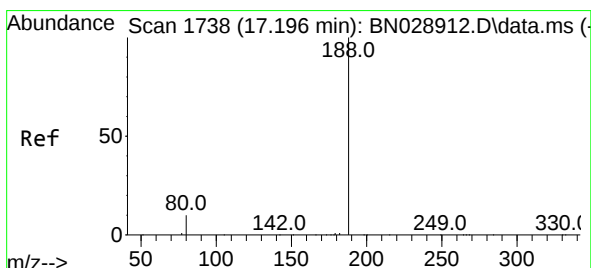
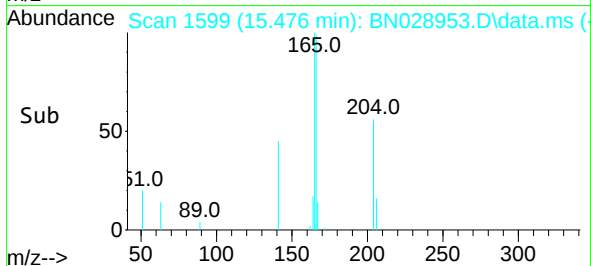
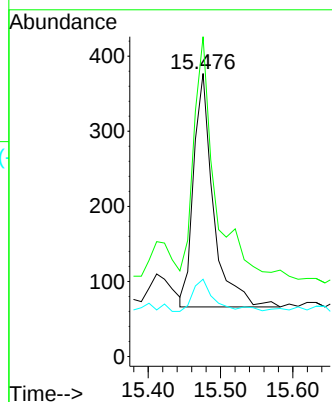
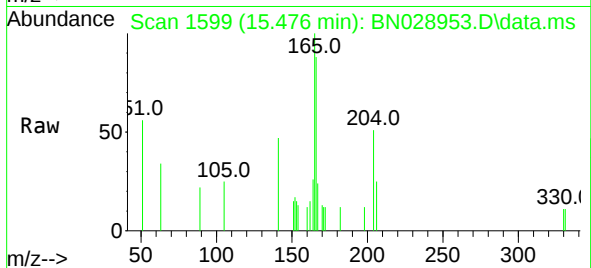
Tgt Ion:166 Resp: 629

Ion Ratio Lower Upper

166 100

165 116.4 79.4 119.2

167 15.1 11.0 16.4



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.171 min Scan# 1736

Delta R.T. -0.000 min

Lab File: BN028953.D

Acq: 01 Dec 2023 18:49

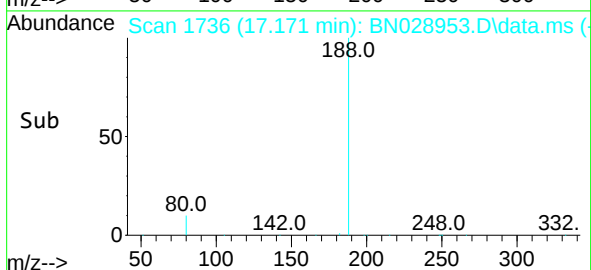
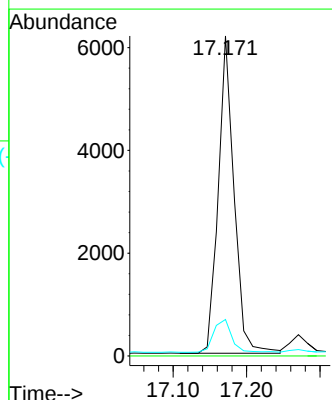
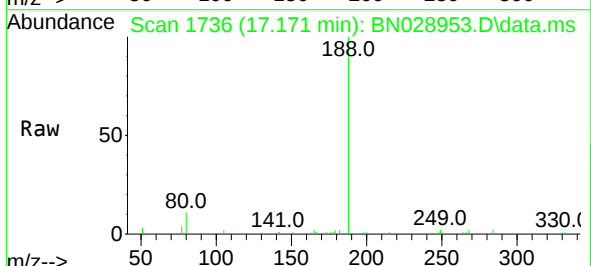
Tgt Ion:188 Resp: 9238

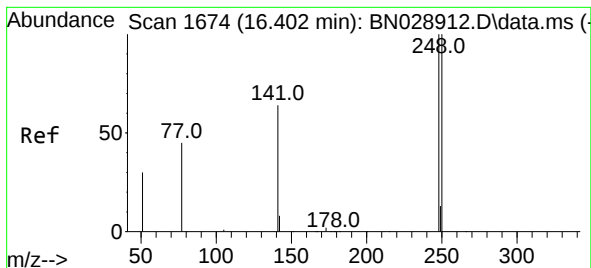
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 9.0 13.6

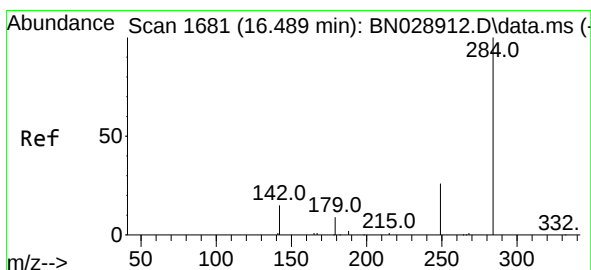
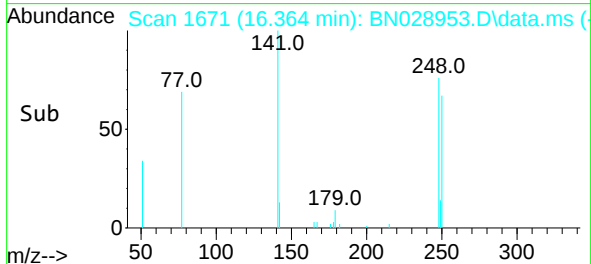
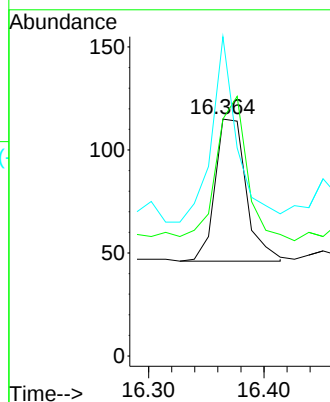
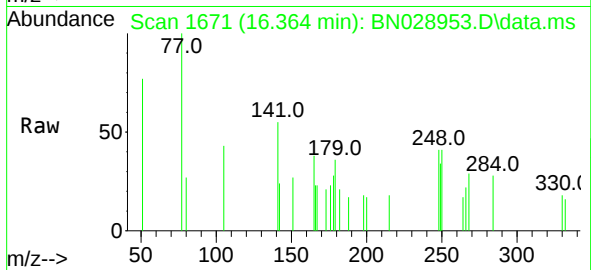




#21
4-Bromophenyl-phenylether
Concen: 0.020 ng
RT: 16.364 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

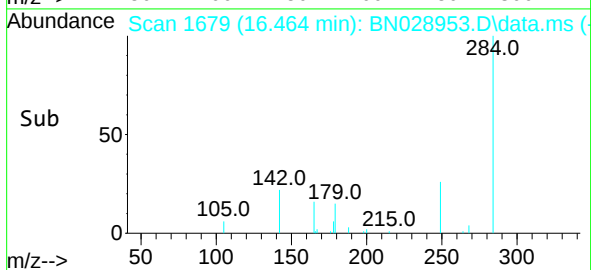
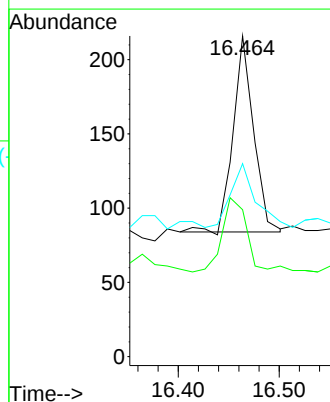
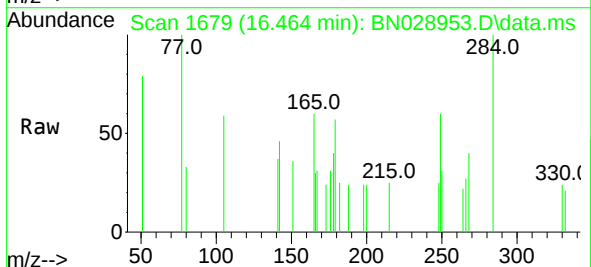
Instrument :
BNA_N
ClientSampleId :
DUP01-20231107

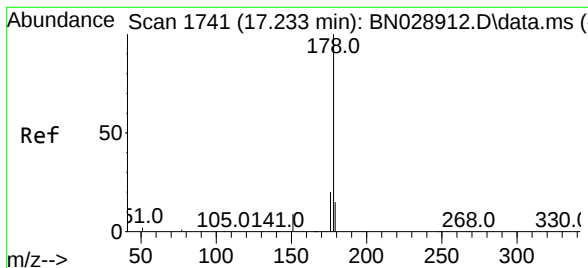
Tgt Ion:248 Resp: 130
Ion Ratio Lower Upper
248 100
250 100.0 83.5 125.3
141 134.8 52.9 79.3#



#22
Hexachlorobenzene
Concen: 0.024 ng
RT: 16.464 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

Tgt Ion:284 Resp: 187
Ion Ratio Lower Upper
284 100
142 46.5 34.1 51.1
249 39.6 25.7 38.5#





#25

Phenanthrene

Concen: 0.024 ng

RT: 17.208 min Scan# 1739

Delta R.T. -0.000 min

Lab File: BN028953.D

Acq: 01 Dec 2023 18:49

Instrument :

BNA_N

ClientSampleId :

DUP01-20231107

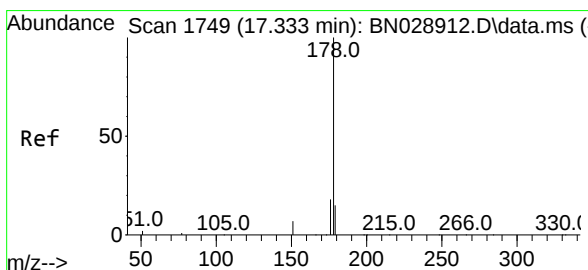
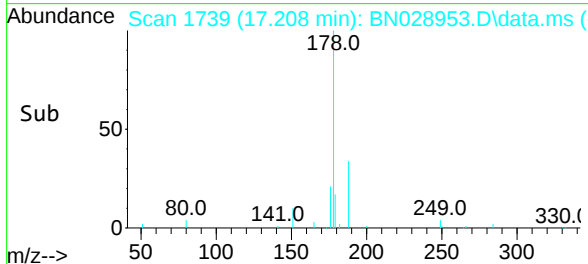
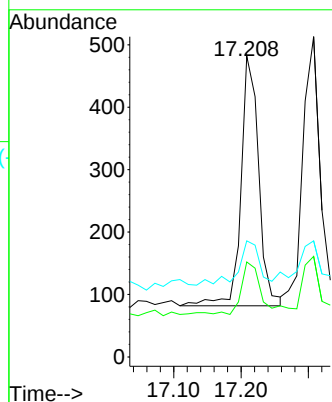
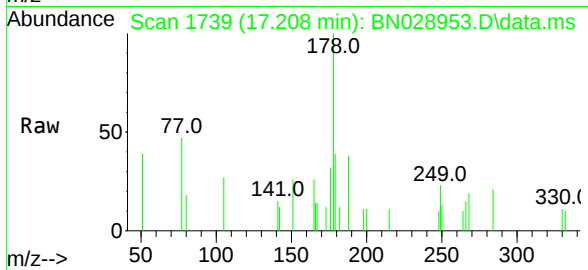
Tgt Ion:178 Resp: 735

Ion Ratio Lower Upper

178 100

176 23.0 16.4 24.6

179 20.8 14.1 21.1



#26

Anthracene

Concen: 0.026 ng

RT: 17.308 min Scan# 1747

Delta R.T. -0.000 min

Lab File: BN028953.D

Acq: 01 Dec 2023 18:49

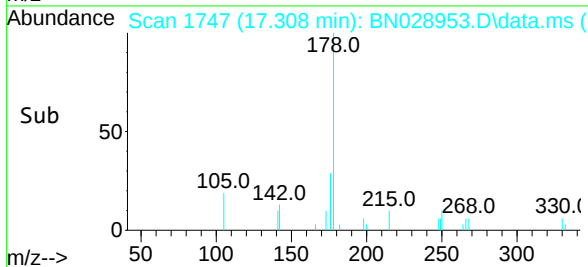
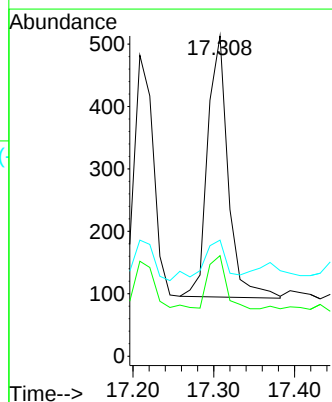
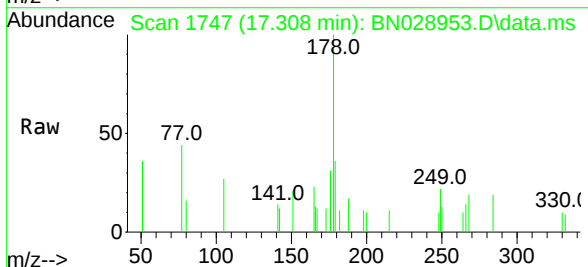
Tgt Ion:178 Resp: 739

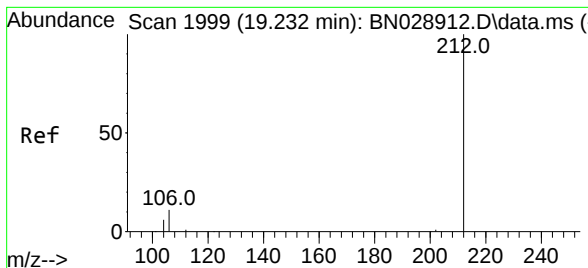
Ion Ratio Lower Upper

178 100

176 17.9 15.2 22.8

179 18.0 12.2 18.2

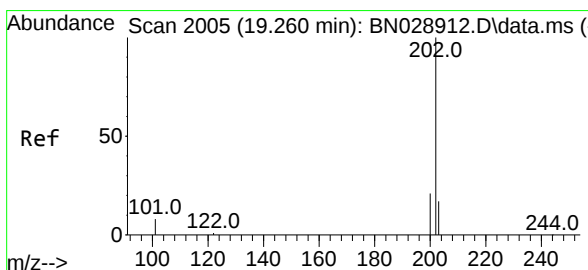
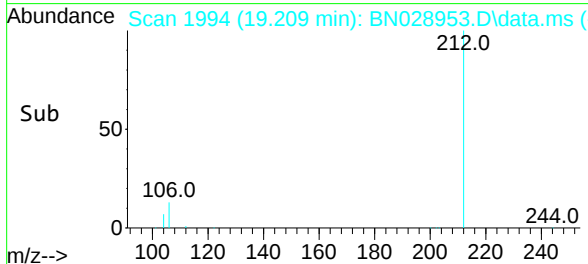
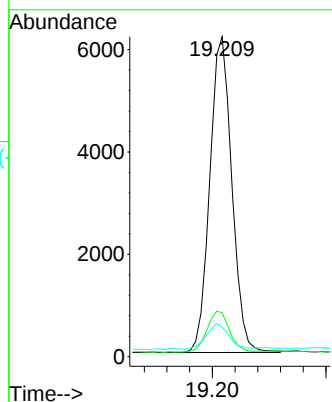
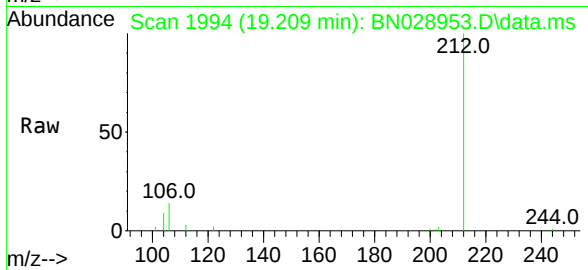




#27
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

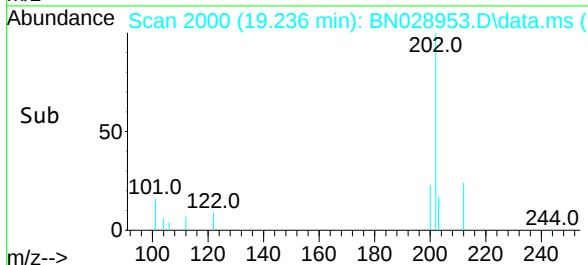
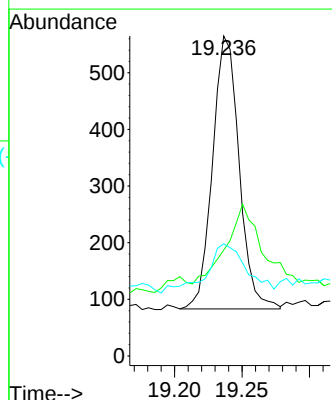
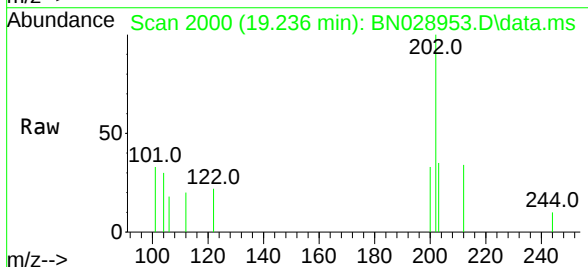
Instrument :
BNA_N
ClientSampleId :
DUP01-20231107

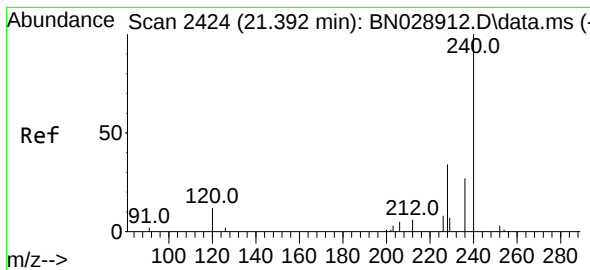
Tgt Ion:212 Resp: 8312
Ion Ratio Lower Upper
212 100
106 13.1 9.4 14.2
104 8.2 6.2 9.2



#28
Fluoranthene
Concen: 0.021 ng
RT: 19.236 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BN028953.D
Acq: 01 Dec 2023 18:49

Tgt Ion:202 Resp: 660
Ion Ratio Lower Upper
202 100
101 44.1 7.3 10.9#
203 27.1 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: BN028953.D

Acq: 01 Dec 2023 18:49

Instrument :

BNA_N

ClientSampleId :

DUP01-20231107

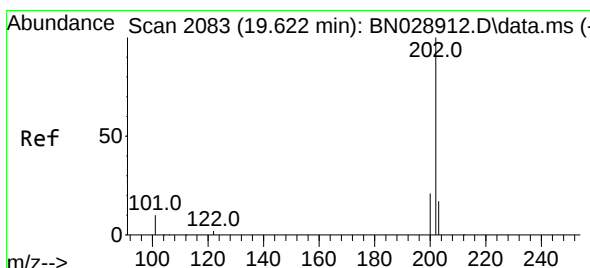
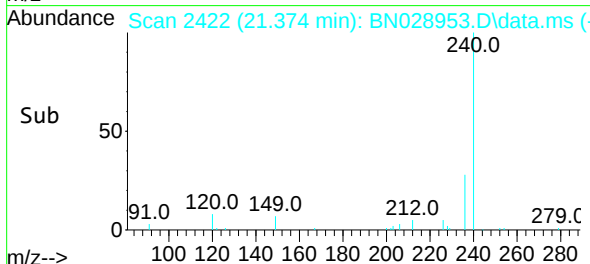
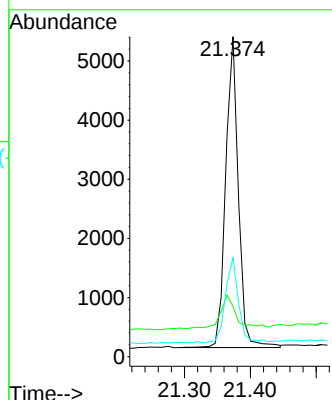
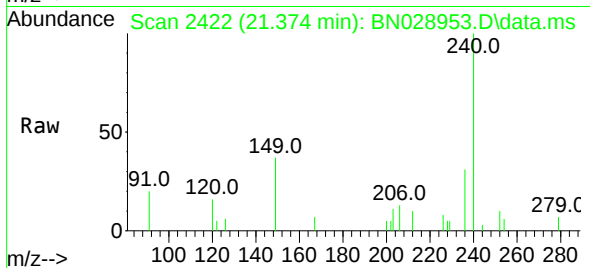
Tgt Ion:240 Resp: 7001

Ion Ratio Lower Upper

240 100

120 15.7 37.1 55.7#

236 31.0 32.4 48.6#



#30

Pyrene

Concen: 0.107 ng

RT: 19.603 min Scan# 2079

Delta R.T. -0.000 min

Lab File: BN028953.D

Acq: 01 Dec 2023 18:49

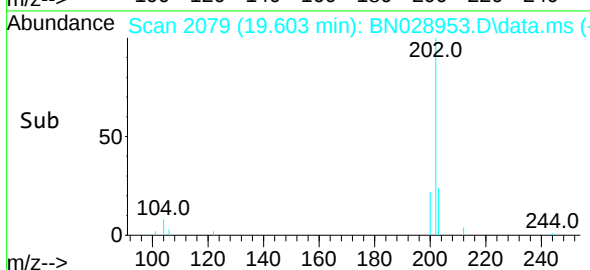
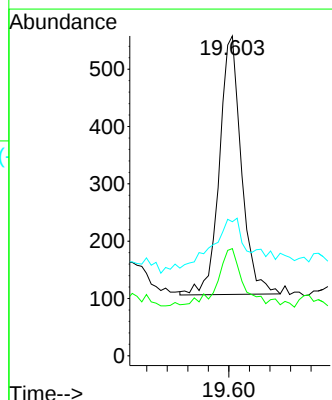
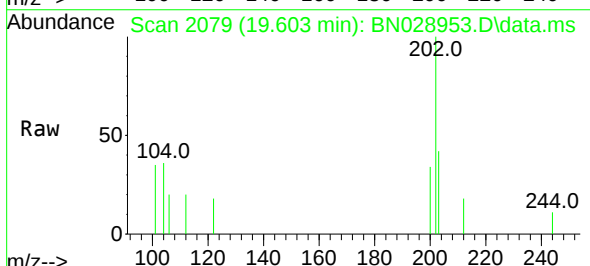
Tgt Ion:202 Resp: 670

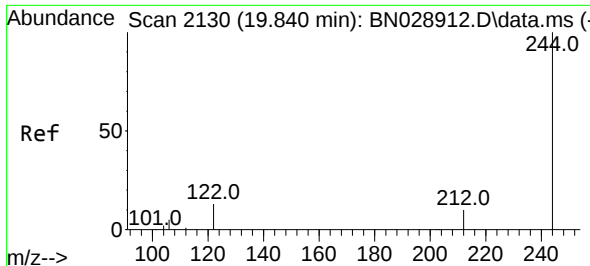
Ion Ratio Lower Upper

202 100

200 28.2 16.9 25.3#

203 27.3 14.8 22.2#

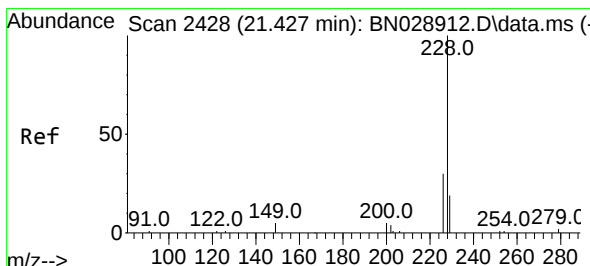
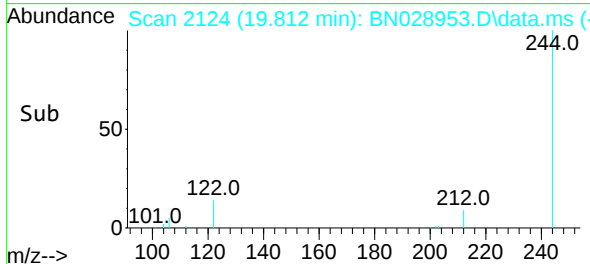
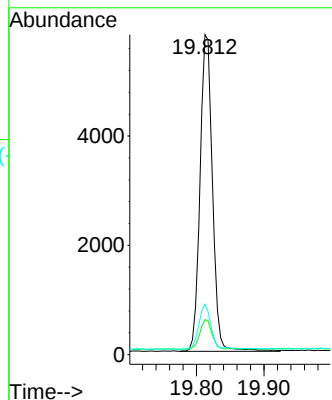
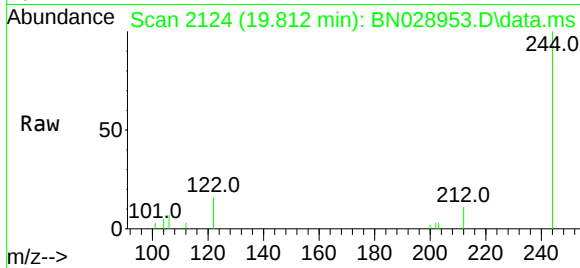




#31
 Terphenyl-d14
 Concen: 0.382 ng
 RT: 19.812 min Scan# 2112
 Delta R.T. -0.005 min
 Lab File: BN028953.D
 Acq: 01 Dec 2023 18:49

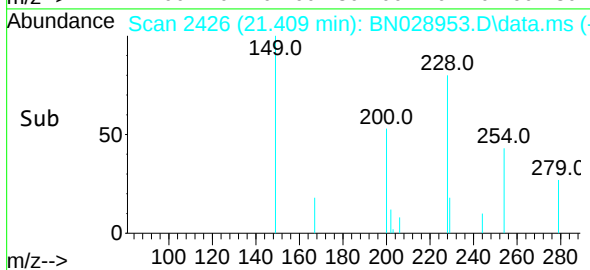
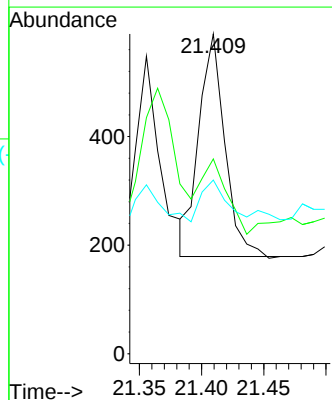
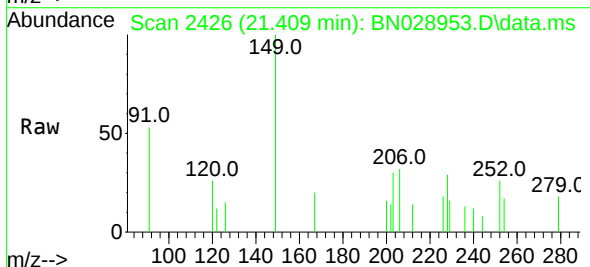
Instrument :
 BNA_N
 ClientSampleId :
 DUP01-20231107

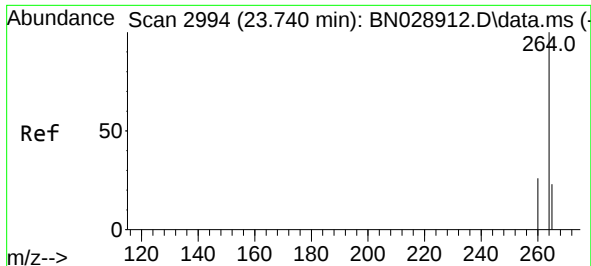
Tgt Ion:244 Resp: 7423
 Ion Ratio Lower Upper
 244 100
 212 11.0 11.5 17.3#
 122 15.8 13.2 19.8



#33
 Chrysene
 Concen: 0.020 ng
 RT: 21.409 min Scan# 2426
 Delta R.T. -0.000 min
 Lab File: BN028953.D
 Acq: 01 Dec 2023 18:49

Tgt Ion:228 Resp: 592
 Ion Ratio Lower Upper
 228 100
 226 61.0 28.3 42.5#
 229 54.3 16.4 24.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.705 min Scan# 2994

Delta R.T. -0.003 min

Lab File: BN028953.D

Acq: 01 Dec 2023 18:49

Instrument :

BNA_N

ClientSampleId :

DUP01-20231107

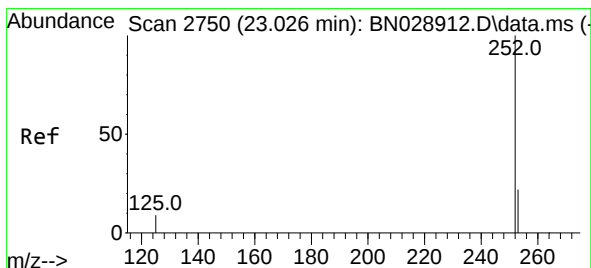
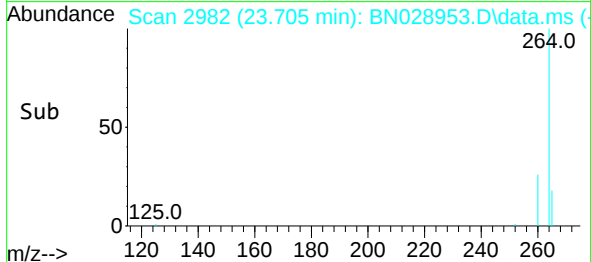
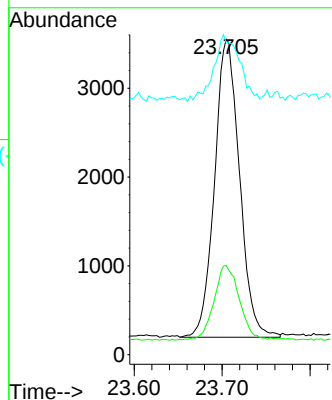
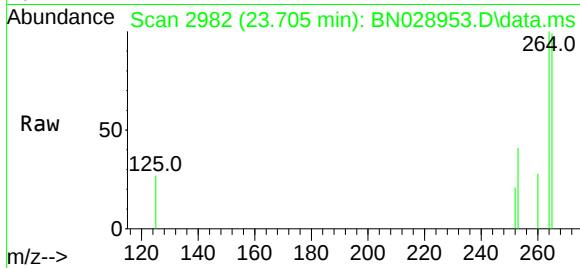
Tgt Ion:264 Resp: 6602

Ion Ratio Lower Upper

264 100

260 28.3 20.6 30.8

265 99.1 464.5 696.7#



#37

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 23.000 min Scan# 2741

Delta R.T. 0.003 min

Lab File: BN028953.D

Acq: 01 Dec 2023 18:49

Tgt Ion:252 Resp: 653

Ion Ratio Lower Upper

252 100

253 146.5 94.5 141.7#

125 94.1 23.8 35.8#

