

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028943.D
 Acq On : 01 Dec 2023 12:29
 Operator : MA/JU
 Sample : 05350-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 01 14:25:43 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)

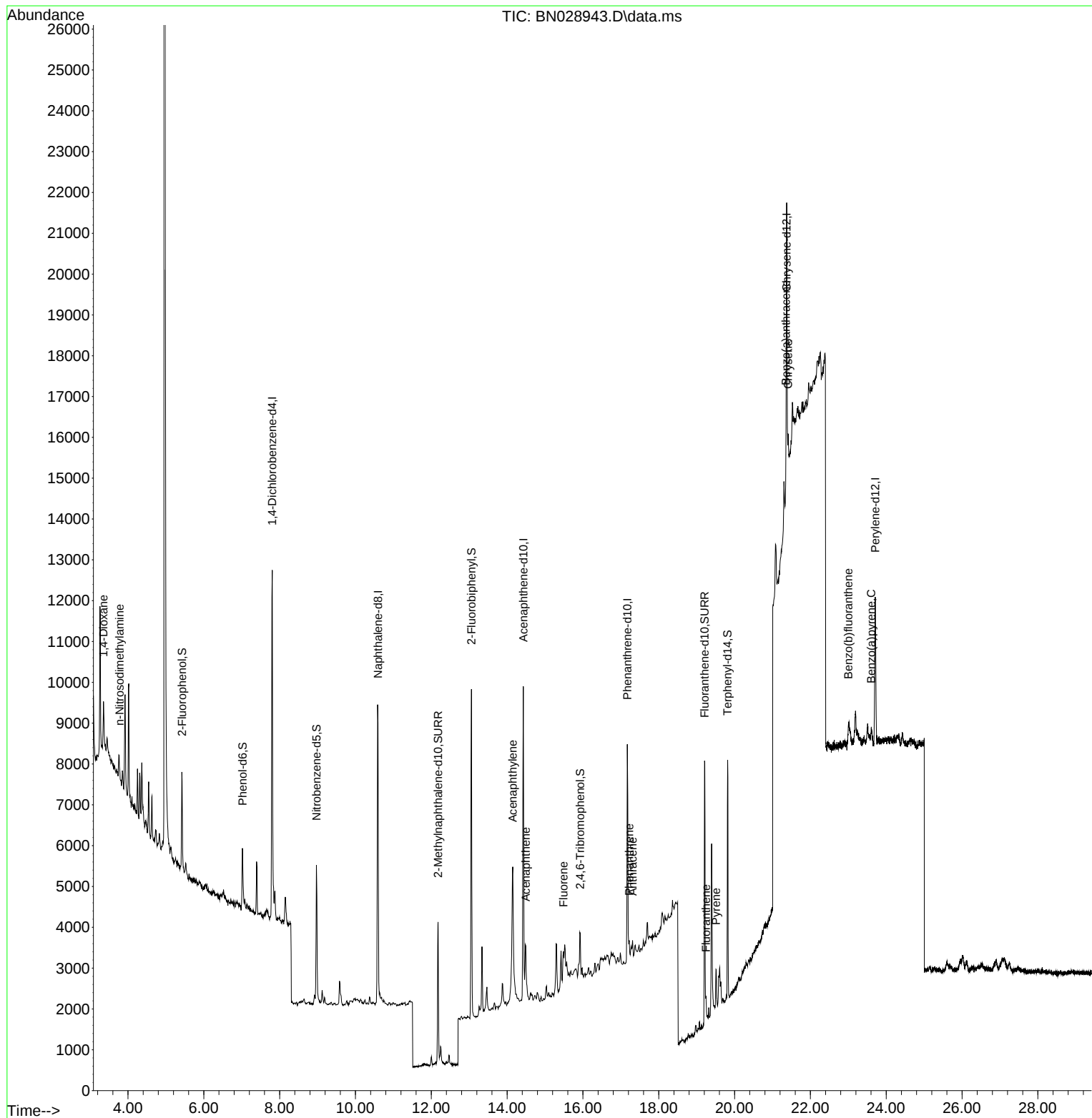
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	4024	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	10227	0.400	ng	# 0.00
13) Acenaphthene-d10	14.428	164	4359	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	7450	0.400	ng	#-0.01
29) Chrysene-d12	21.374	240	4689	0.400	ng	# 0.00
35) Perylene-d12	23.710	264	4698	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1753	0.144	ng	-0.02
5) Phenol-d6	7.024	99	1103	0.082	ng	-0.02
8) Nitrobenzene-d5	8.971	82	2926	0.288	ng	-0.01
11) 2-Methylnaphthalene-d10	12.178	152	4697	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	668	0.227	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6836	0.363	ng	-0.01
27) Fluoranthene-d10	19.213	212	7302	0.373	ng	0.00
31) Terphenyl-d14	19.817	244	5649	0.414	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.355	88	929	0.236	ng	# 74
3) n-Nitrosodimethylamine	3.781	42	40	0.098	ng	# 50
16) Acenaphthylene	14.150	152	9145	0.396	ng	98
17) Acenaphthene	14.492	154	1186	0.077	ng	92
18) Fluorene	15.487	166	1323	0.068	ng	# 12
25) Phenanthrene	17.221	178	615	0.025	ng	# 72
26) Anthracene	17.308	178	455	0.020	ng	# 79
28) Fluoranthene	19.246	202	783	0.031	ng	97
30) Pyrene	19.511	202	956	0.121	ng	97
32) Benzo(a)anthracene	21.356	228	1074	0.054	ng	# 1
33) Chrysene	21.409	228	894	0.046	ng	# 10
34) Bis(2-ethylhexyl)phtha...	21.302	149	1629	Below Cal		# 92
37) Benzo(b)fluoranthene	23.003	252	548	0.029	ng	# 52
39) Benzo(a)pyrene	23.608	252	546	0.032	ng	# 55

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028943.D
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Operator : MA/JU
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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
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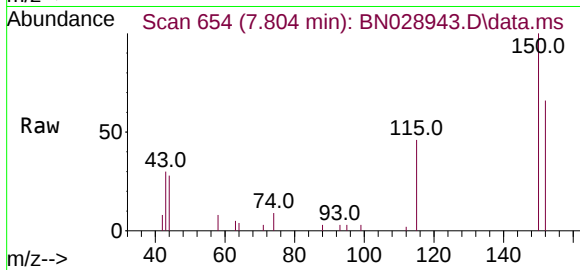
Quant Time: Dec 01 14:25:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
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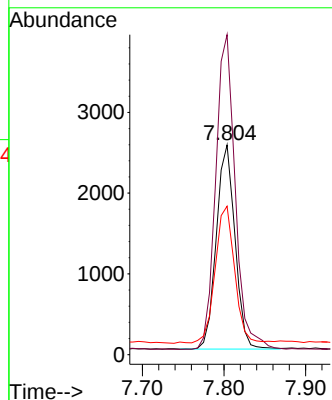
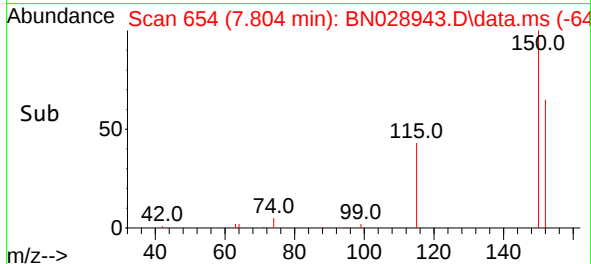
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Instrument :
BNA_N
ClientSampleId :

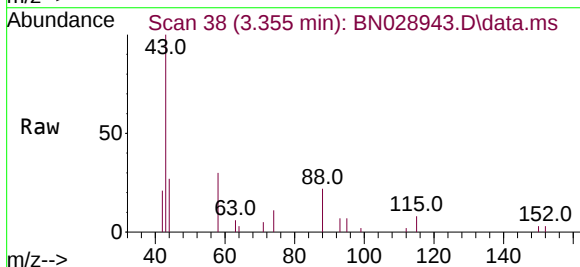


Tgt Ion:152 Resp: 4024

Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.4	185.2
115	70.8	59.1	88.7

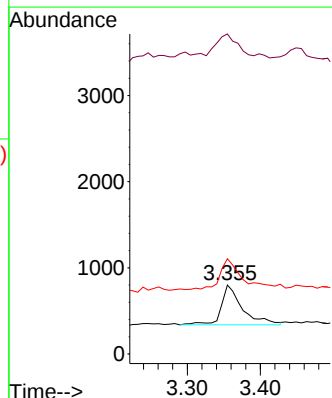
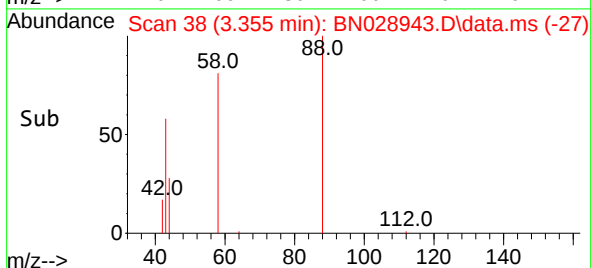


#2
1,4-Dioxane
Concen: 0.236 ng
RT: 3.355 min Scan# 38
Delta R.T. -0.022 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29



Tgt Ion: 88 Resp: 929

Ion	Ratio	Lower	Upper
88	100		
43	68.2	29.9	44.9#
58	79.1	55.0	82.4

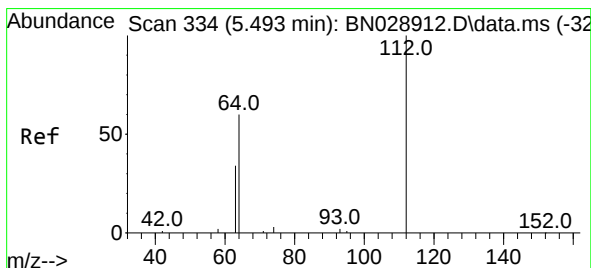
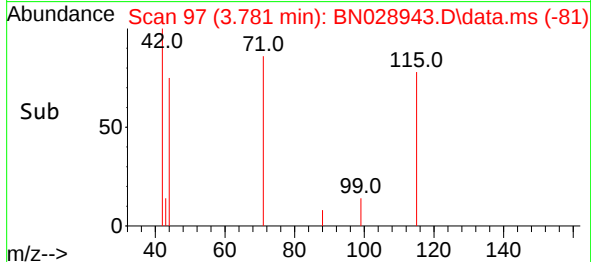
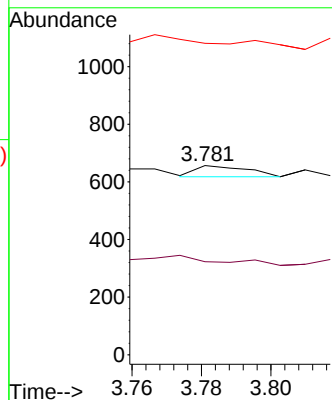
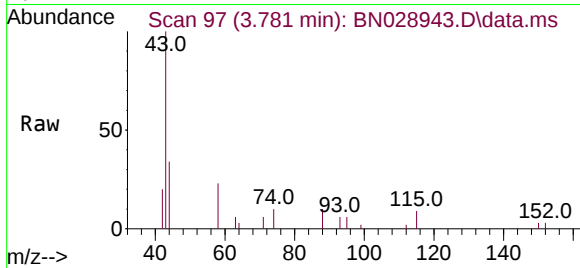




#3
 n-Nitrosodimethylamine
 Concen: 0.098 ng
 RT: 3.781 min Scan# 91
 Delta R.T. 0.014 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29

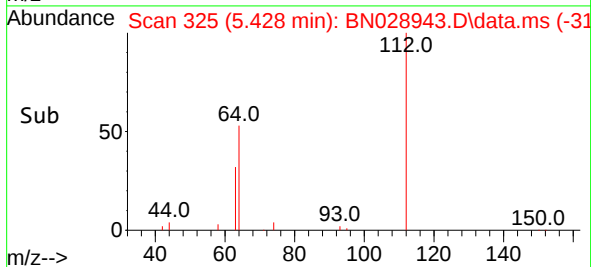
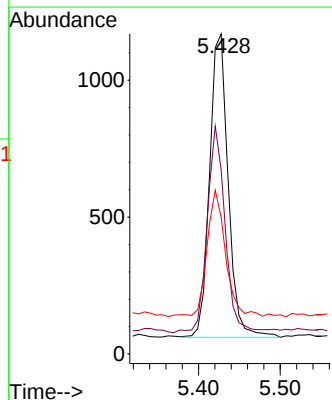
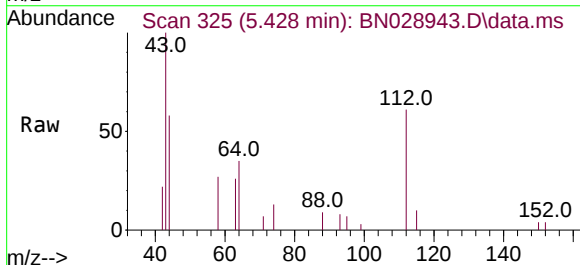
Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion: 42 Resp: 40
 Ion Ratio Lower Upper
 42 100
 74 112.5 57.0 85.6#
 44 187.5 0.0 0.0#



#4
 2-Fluorophenol
 Concen: 0.144 ng
 RT: 5.428 min Scan# 325
 Delta R.T. -0.022 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29

Tgt Ion: 112 Resp: 1753
 Ion Ratio Lower Upper
 112 100
 64 66.3 51.5 77.3
 63 41.5 30.4 45.6

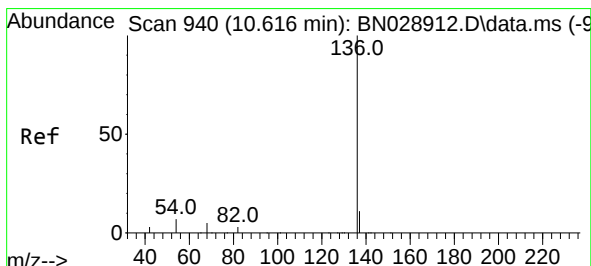
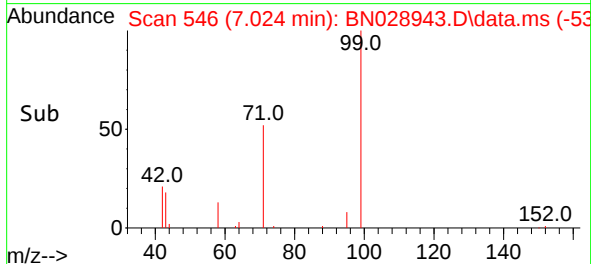
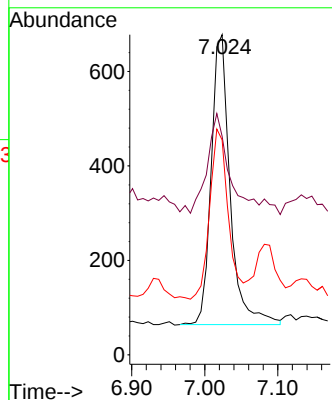
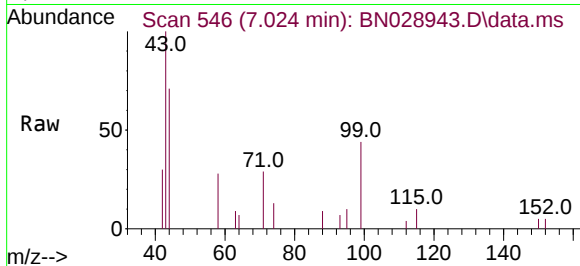




#5
Phenol-d6
Concen: 0.082 ng
RT: 7.024 min Scan# 54
Delta R.T. -0.022 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

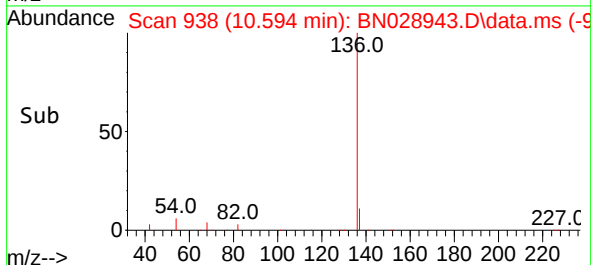
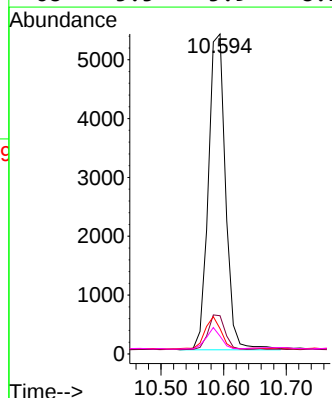
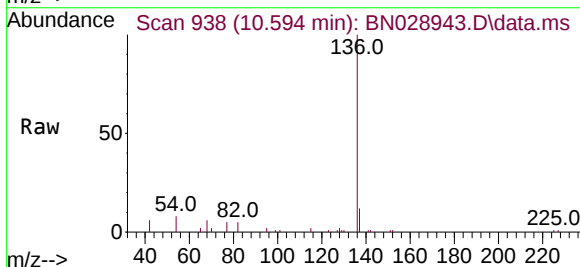
Instrument :
BNA_N
ClientSampleId :

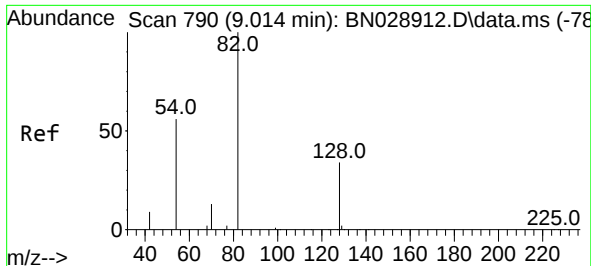
Tgt Ion: 99 Resp: 1103
Ion Ratio Lower Upper
99 100
42 43.3 21.2 31.8#
71 57.0 35.4 53.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Tgt Ion: 136 Resp: 10227
Ion Ratio Lower Upper
136 100
137 12.0 10.6 16.0
54 7.9 7.5 11.3
68 5.5 5.9 8.9#

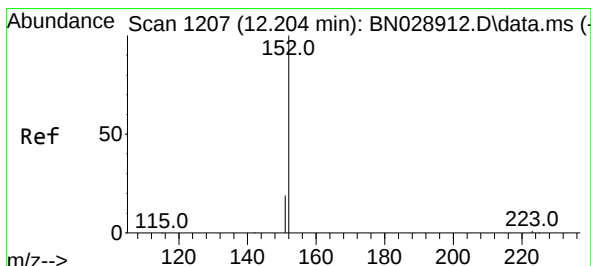
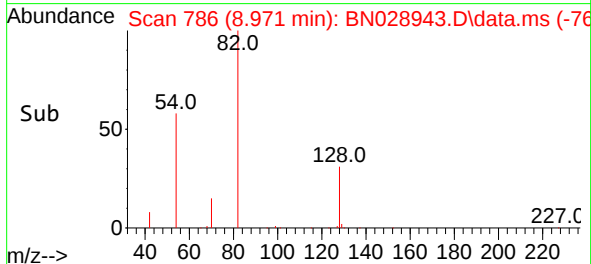
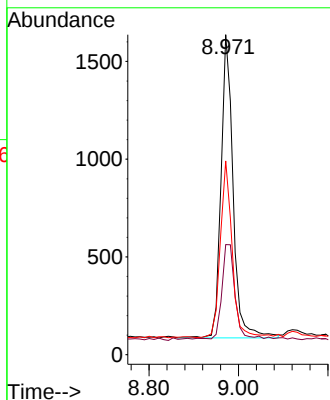
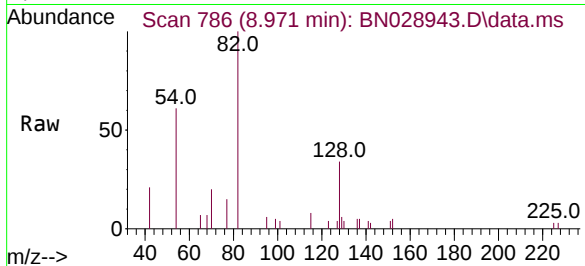




#8
Nitrobenzene-d5
Concen: 0.288 ng
RT: 8.971 min Scan# 790
Delta R.T. -0.011 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

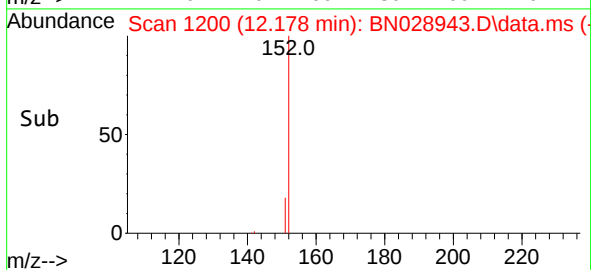
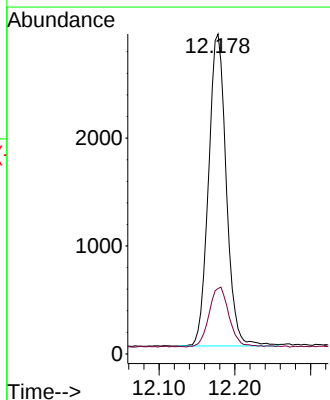
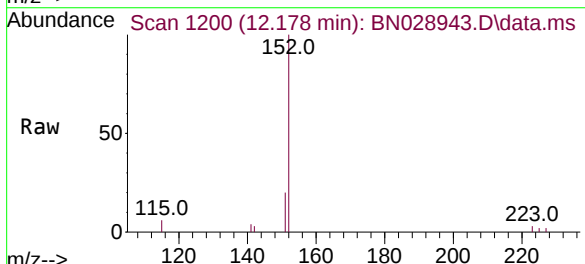
Instrument :
BNA_N
ClientSampleId :

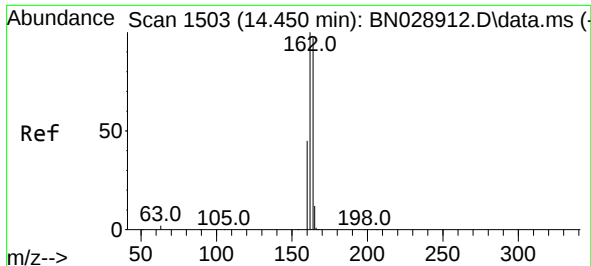
Tgt Ion: 82 Resp: 2926
Ion Ratio Lower Upper
82 100
128 34.4 29.2 43.8
54 60.5 47.0 70.6



#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 12.178 min Scan# 1200
Delta R.T. -0.008 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

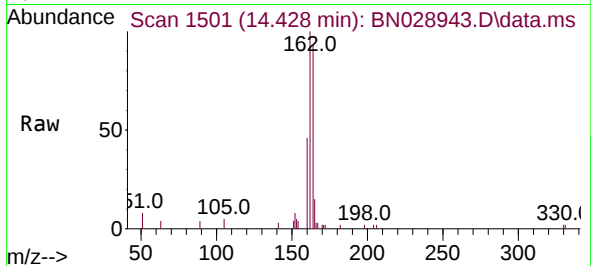
Tgt Ion: 152 Resp: 4697
Ion Ratio Lower Upper
152 100
151 21.7 16.7 25.1



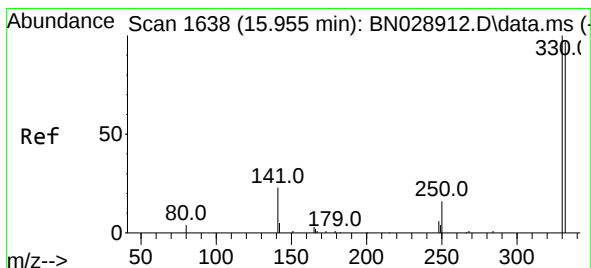
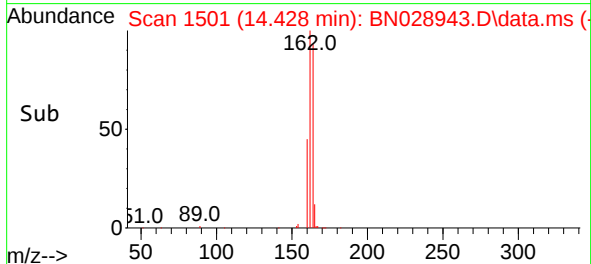
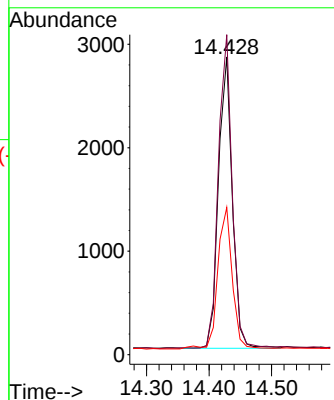


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.428 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Instrument :
BNA_N
ClientSampleId :

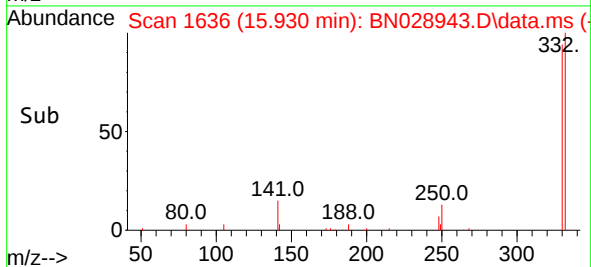
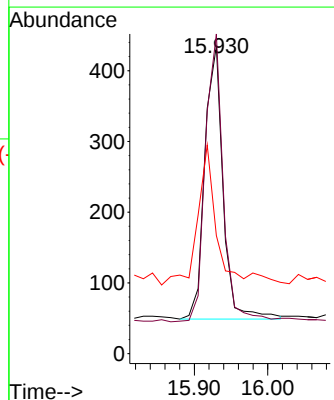
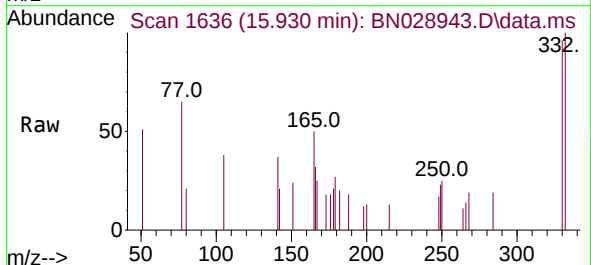


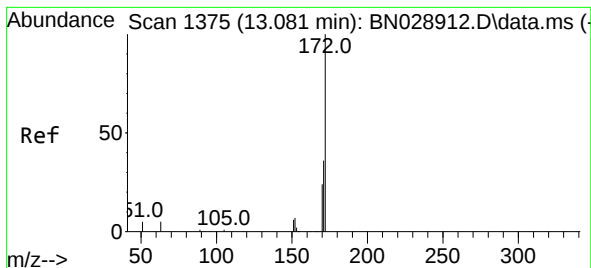
Tgt Ion:164 Resp: 4359
Ion Ratio Lower Upper
164 100
162 107.5 81.7 122.5
160 49.4 37.0 55.6



#14
2,4,6-Tribromophenol
Concen: 0.227 ng
RT: 15.930 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Tgt Ion:330 Resp: 668
Ion Ratio Lower Upper
330 100
332 103.3 75.4 113.2
141 50.1 35.7 53.5





#15

2-Fluorobiphenyl

Concen: 0.363 ng

RT: 13.060 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

Instrument :

BNA_N

ClientSampleId :

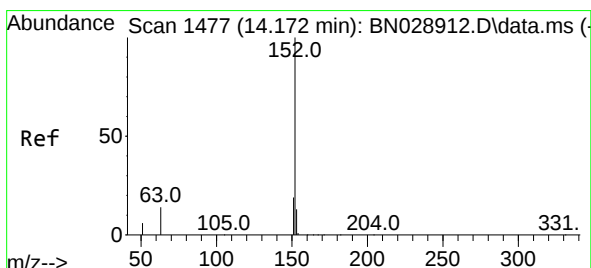
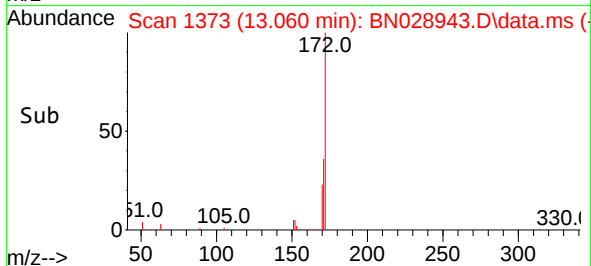
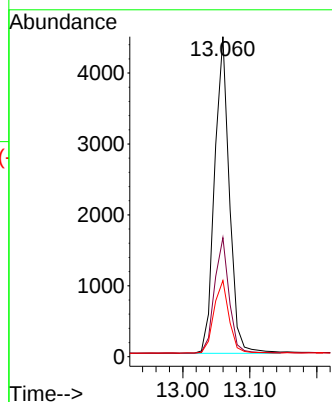
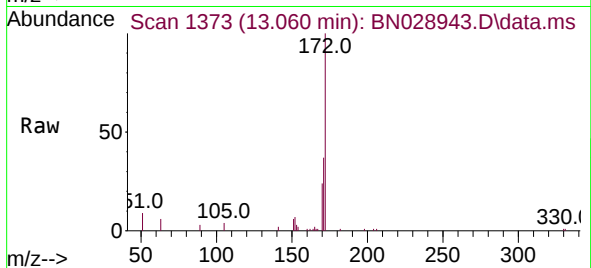
Tgt Ion:172 Resp: 6836

Ion Ratio Lower Upper

172 100

171 37.2 29.0 43.4

170 23.8 19.7 29.5



#16

Acenaphthylene

Concen: 0.396 ng

RT: 14.150 min Scan# 1475

Delta R.T. -0.000 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

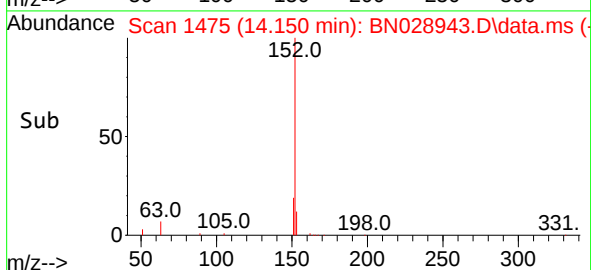
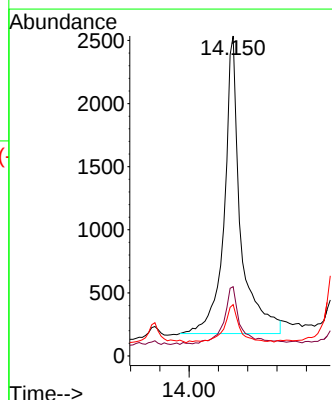
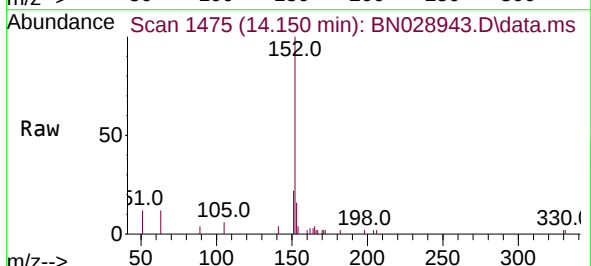
Tgt Ion:152 Resp: 9145

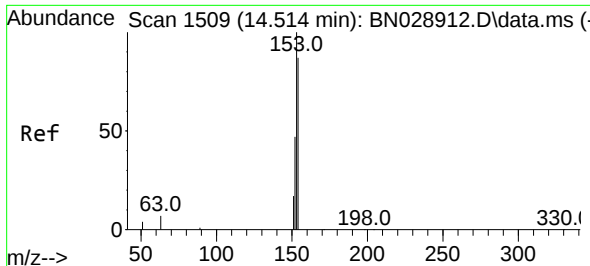
Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

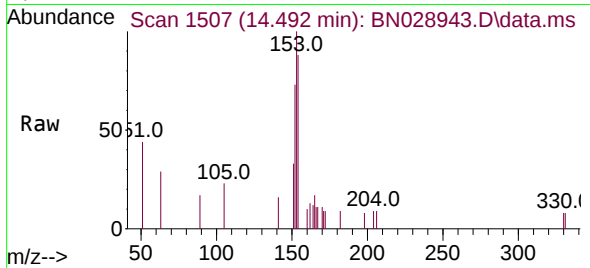
153 12.4 10.8 16.2



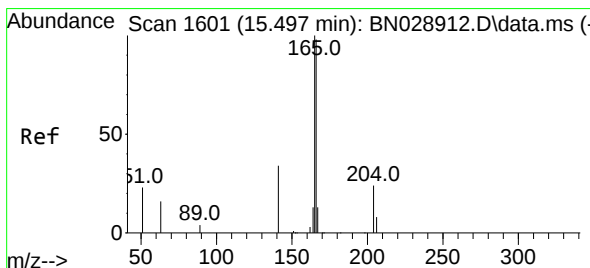
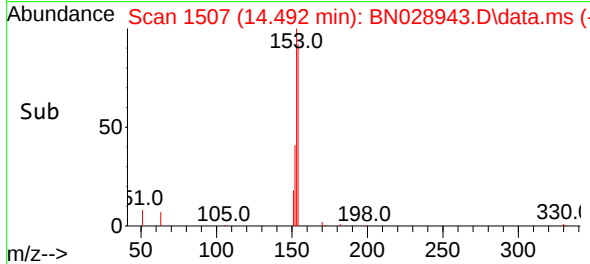
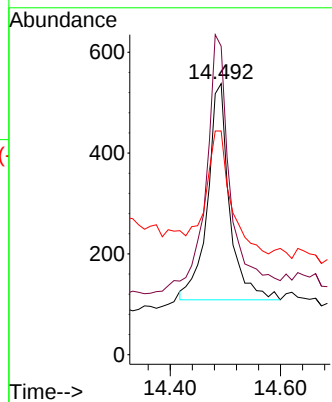


#17
Acenaphthene
Concen: 0.077 ng
RT: 14.492 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Instrument :
BNA_N
ClientSampleId :

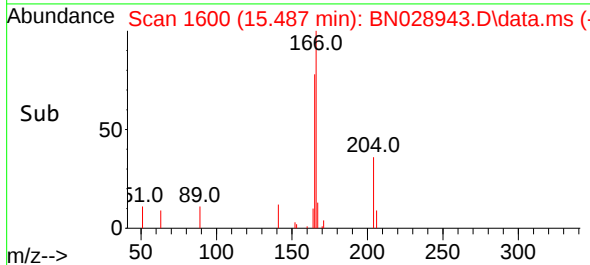
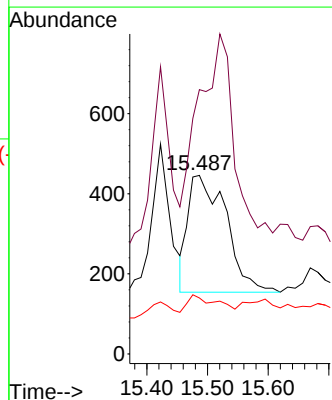
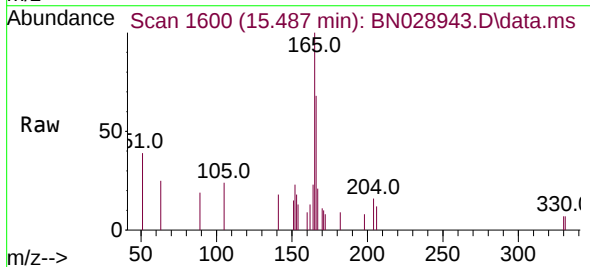


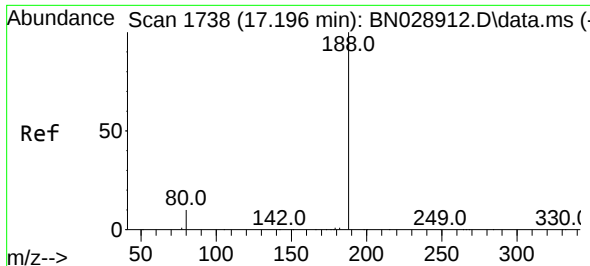
Tgt Ion:154 Resp: 1186
Ion Ratio Lower Upper
154 100
153 110.3 93.8 140.6
152 64.8 44.5 66.7



#18
Fluorene
Concen: 0.068 ng
RT: 15.487 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Tgt Ion:166 Resp: 1323
Ion Ratio Lower Upper
166 100
165 0.0 79.4 119.2#
167 11.8 11.0 16.4

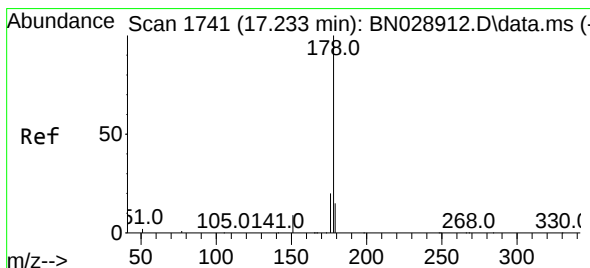
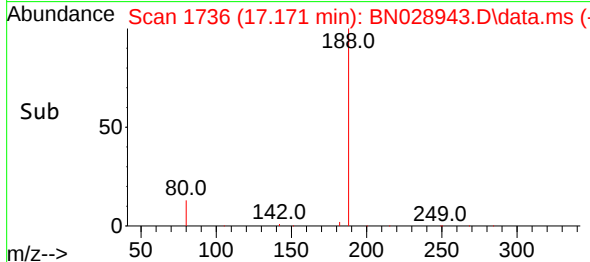
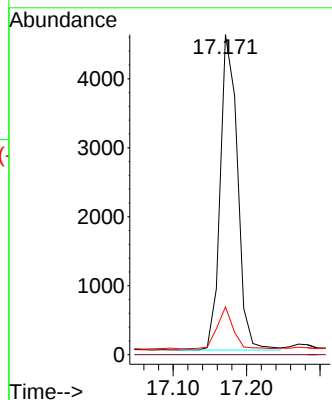
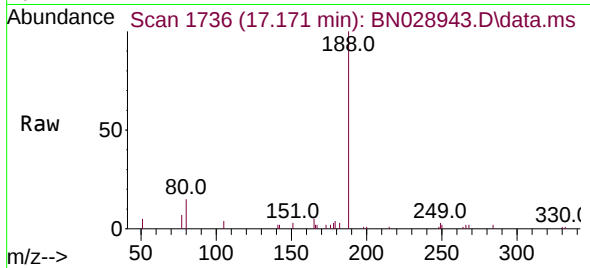




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.171 min Scan# 1736
Delta R.T. -0.012 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

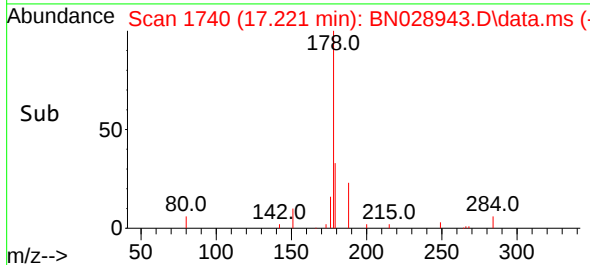
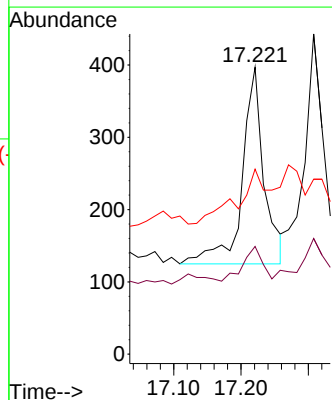
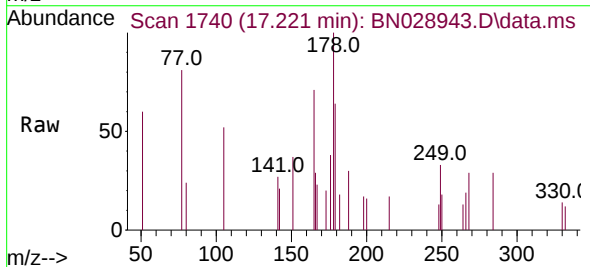
Instrument :
BNA_N
ClientSampleId :

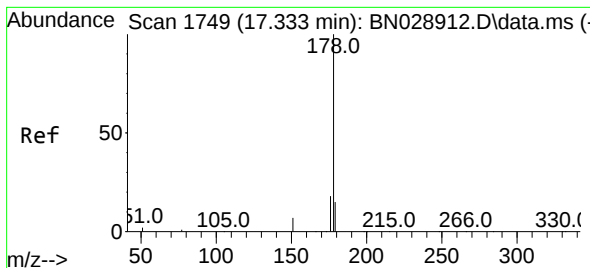
Tgt Ion:188 Resp: 7450
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.0 9.0 13.6#



#25
Phenanthrene
Concen: 0.025 ng
RT: 17.221 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Tgt Ion:178 Resp: 615
Ion Ratio Lower Upper
178 100
176 15.4 16.4 24.6#
179 38.9 14.1 21.1#





#26

Anthracene

Concen: 0.020 ng

RT: 17.308 min Scan# 1747

Delta R.T. -0.000 min

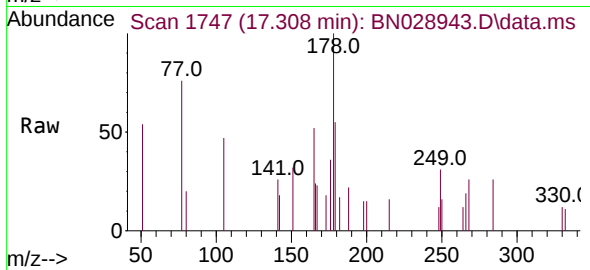
Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

Instrument :

BNA_N

ClientSampleId :



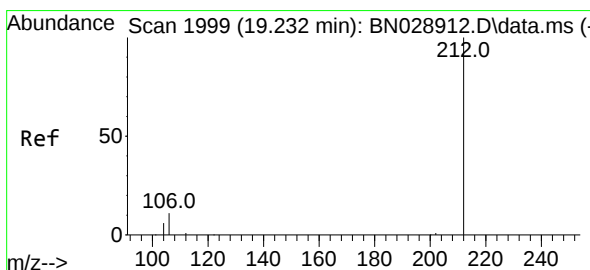
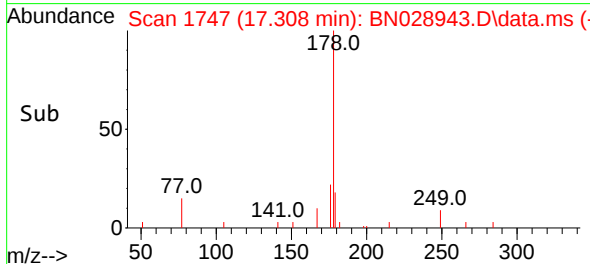
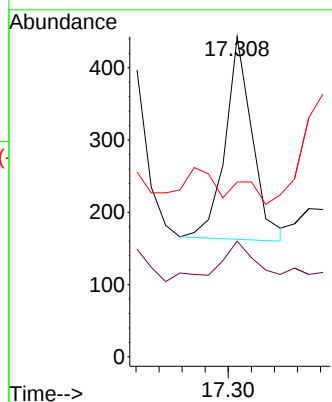
Tgt Ion:178 Resp: 455

Ion Ratio Lower Upper

178 100

176 15.2 15.2 22.8#

179 0.0 12.2 18.2#



#27

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.213 min Scan# 1995

Delta R.T. -0.000 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

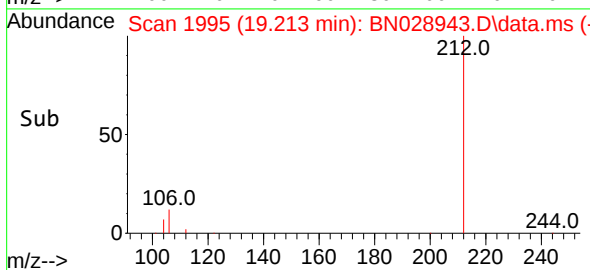
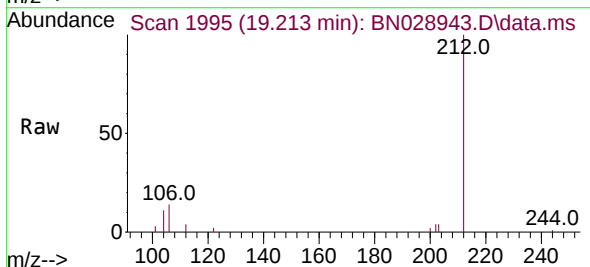
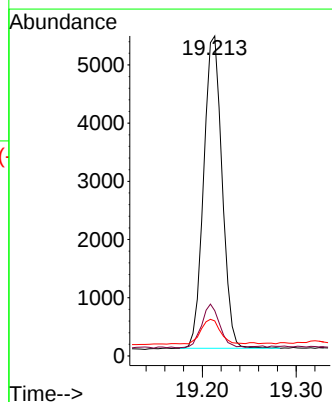
Tgt Ion:212 Resp: 7302

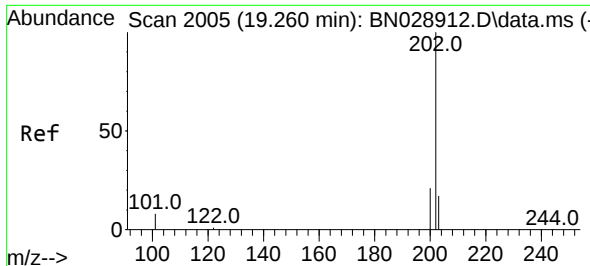
Ion Ratio Lower Upper

212 100

106 13.6 9.4 14.2

104 8.3 6.2 9.2

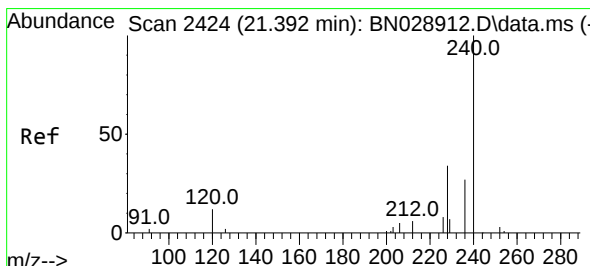
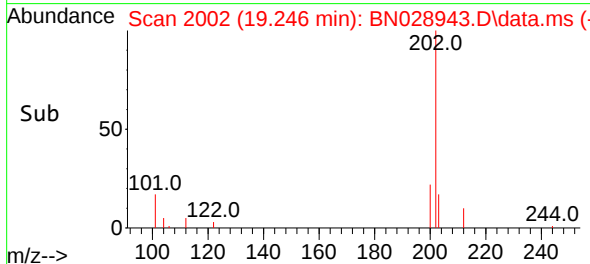
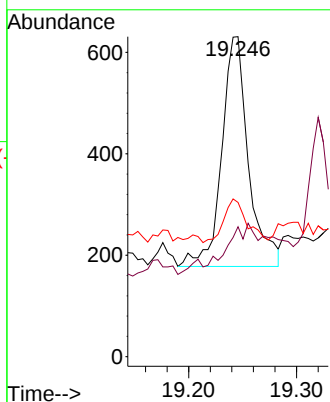
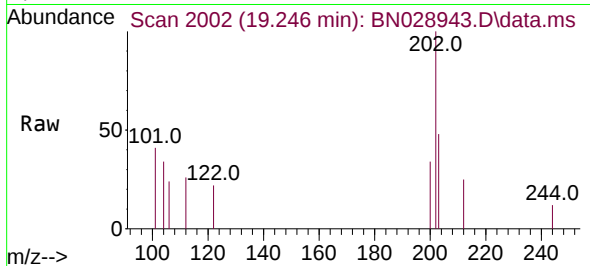




#28
Fluoranthene
Concen: 0.031 ng
RT: 19.246 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

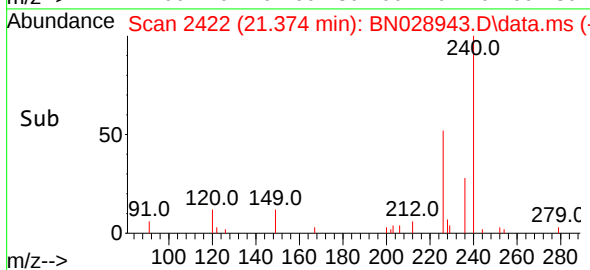
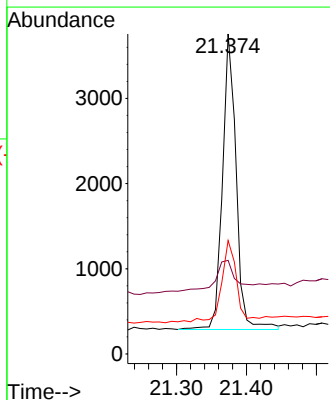
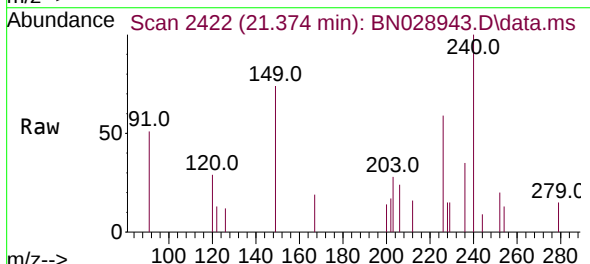
Instrument :
BNA_N
ClientSampleId :

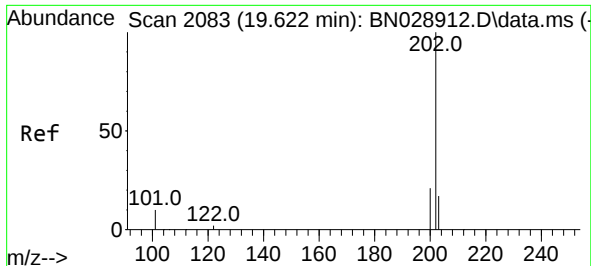
Tgt Ion:202 Resp: 783
Ion Ratio Lower Upper
202 100
101 10.5 7.3 10.9
203 16.3 14.1 21.1



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.374 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Tgt Ion:240 Resp: 4689
Ion Ratio Lower Upper
240 100
120 29.3 37.1 55.7#
236 35.4 32.4 48.6

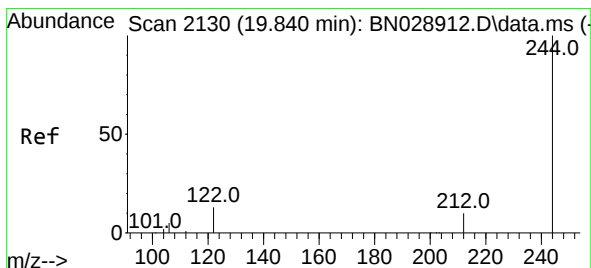
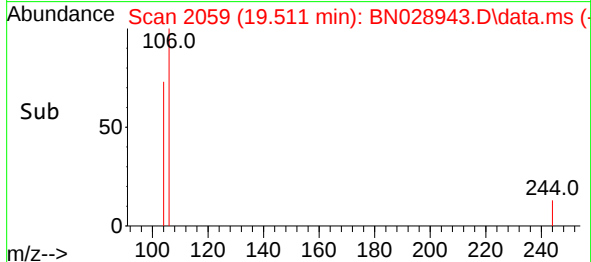
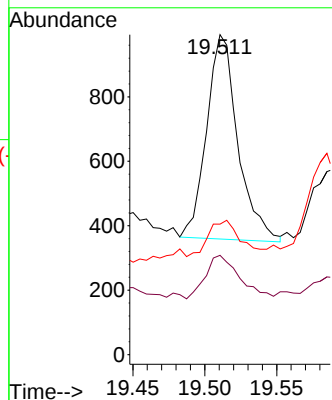
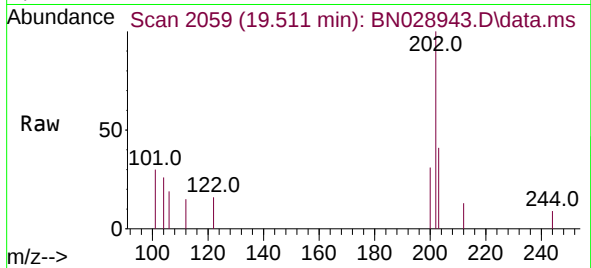




#30
 Pyrene
 Concen: 0.121 ng
 RT: 19.511 min Scan# 20
 Delta R.T. -0.098 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29

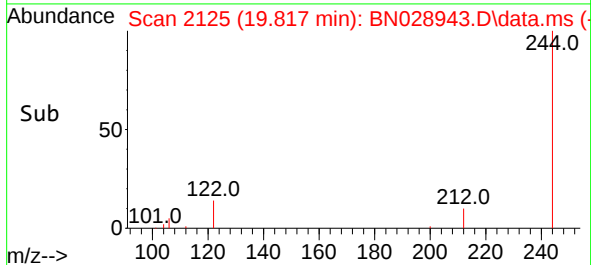
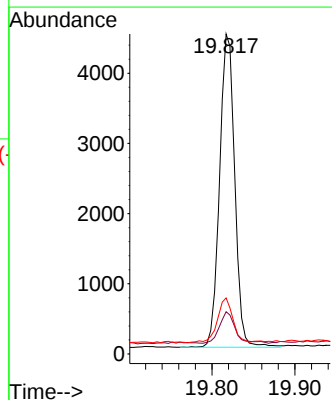
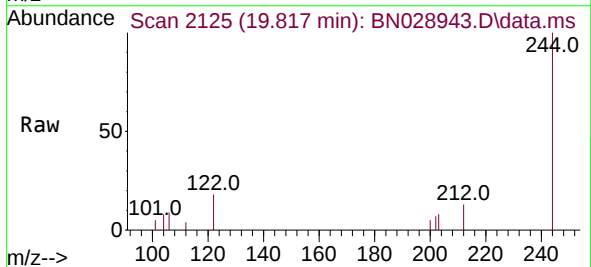
Instrument :
 BNA_N
 ClientSampleId :

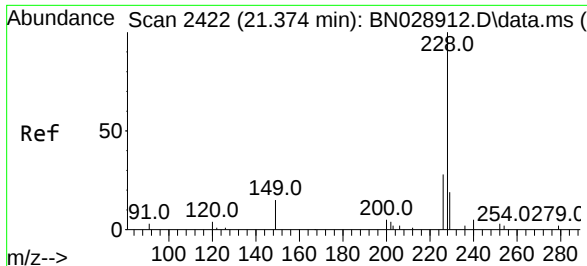
Tgt Ion:202	Resp:	956
Ion Ratio	Lower	Upper
202	100	
200	23.3	16.9 25.3
203	19.1	14.8 22.2



#31
 Terphenyl-d14
 Concen: 0.414 ng
 RT: 19.817 min Scan# 2125
 Delta R.T. -0.005 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29

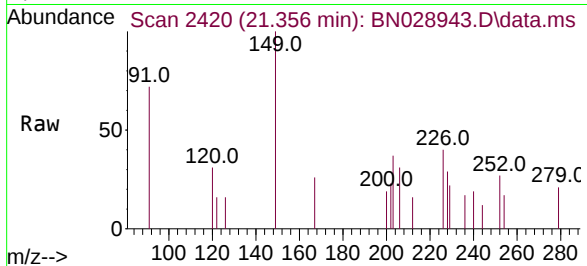
Tgt Ion:244	Resp:	5649
Ion Ratio	Lower	Upper
244	100	
212	13.2	11.5 17.3
122	17.5	13.2 19.8



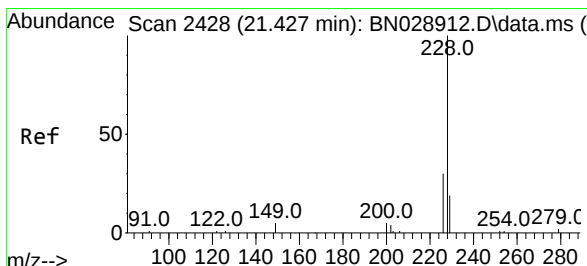
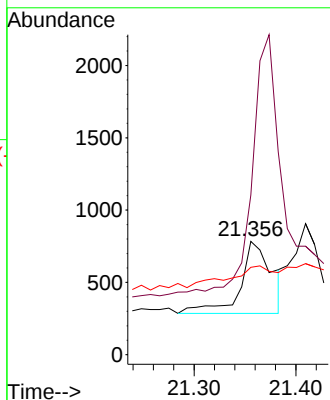
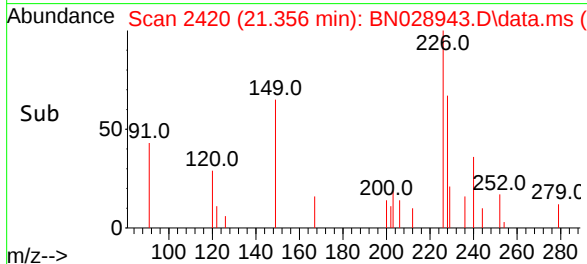


#32
Benzo(a)anthracene
Concen: 0.054 ng
RT: 21.356 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

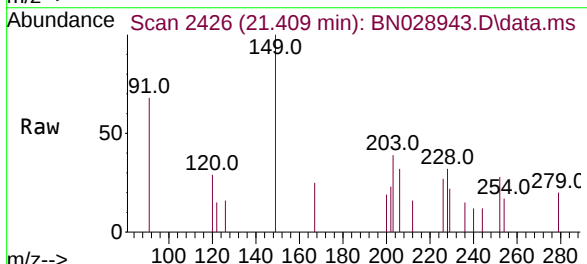
Instrument :
BNA_N
ClientSampleId :



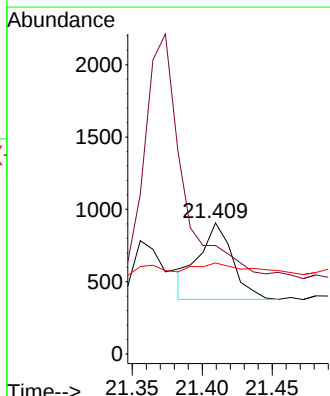
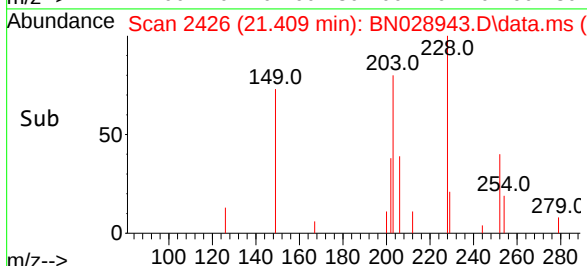
Tgt Ion:228 Resp: 1074
Ion Ratio Lower Upper
228 100
226 140.9 26.5 39.7#
229 77.0 16.4 24.6#

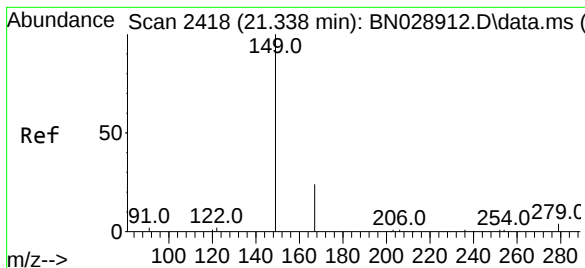


#33
Chrysene
Concen: 0.046 ng
RT: 21.409 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29



Tgt Ion:228 Resp: 894
Ion Ratio Lower Upper
228 100
226 82.9 28.3 42.5#
229 69.5 16.4 24.6#

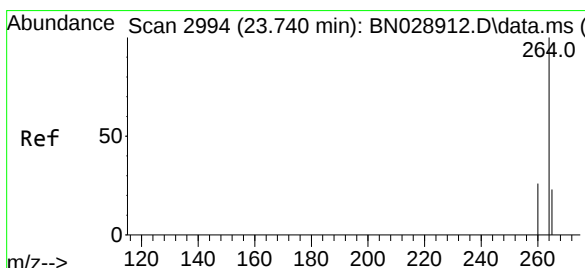
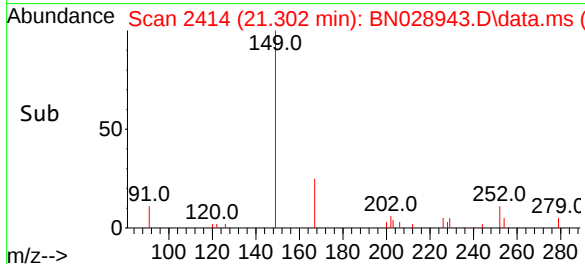
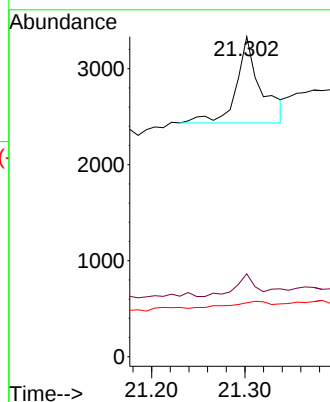
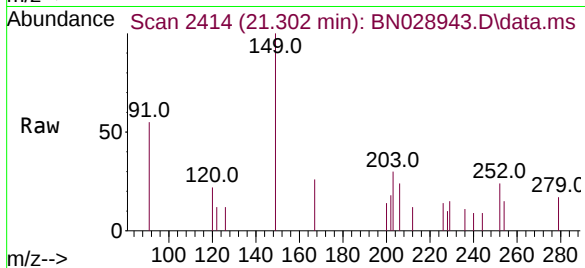




#34
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.302 min Scan# 2414
Delta R.T. -0.009 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

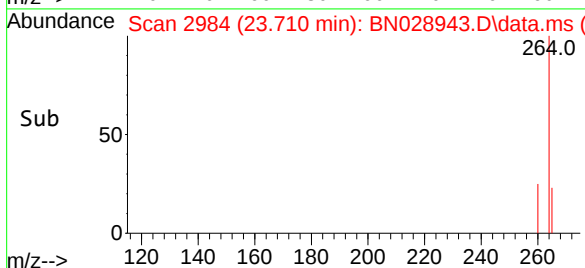
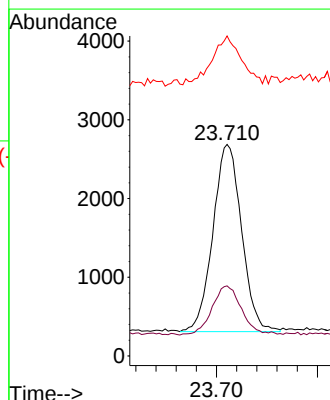
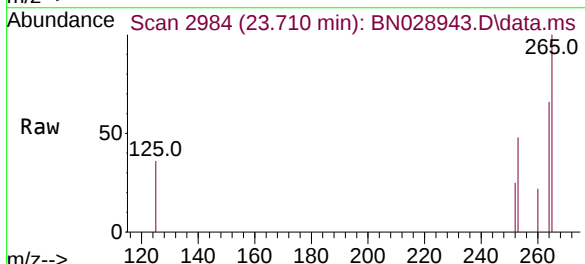
Instrument :
BNA_N
ClientSampleId :

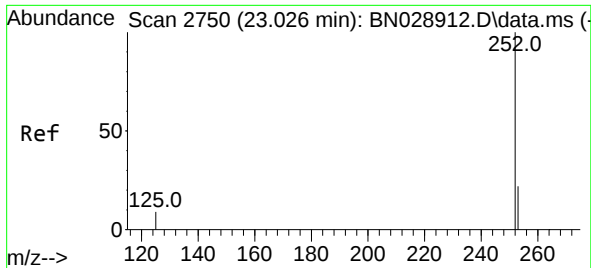
Tgt Ion:149 Resp: 1629
Ion Ratio Lower Upper
149 100
167 20.5 14.9 22.3
279 14.3 6.3 9.5#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.710 min Scan# 2984
Delta R.T. -0.003 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

Tgt Ion:264 Resp: 4698
Ion Ratio Lower Upper
264 100
260 33.1 20.6 30.8#
265 151.3 464.5 696.7#





#37

Benzo(b)fluoranthene

Concen: 0.029 ng

RT: 23.003 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

Instrument :

BNA_N

ClientSampleId :

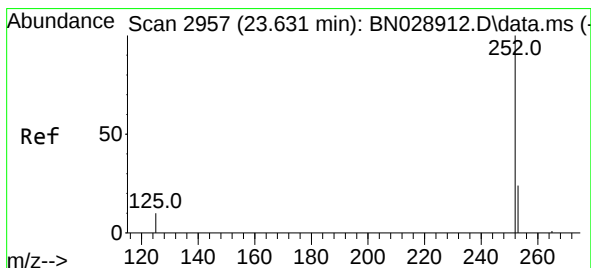
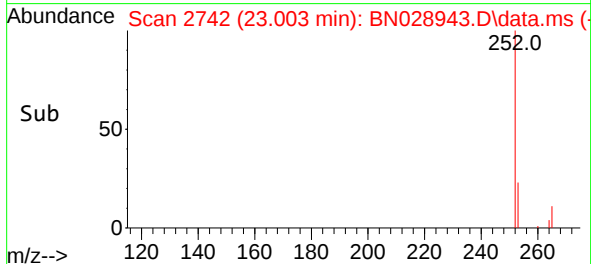
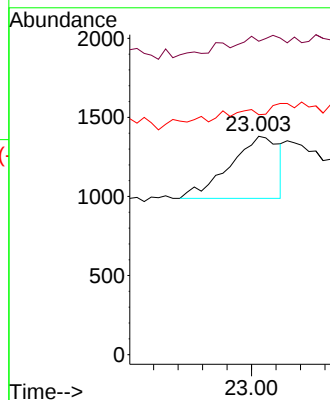
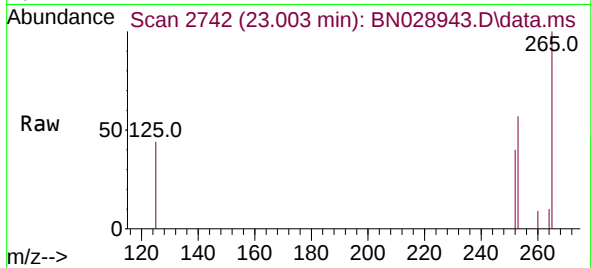
Tgt Ion:252 Resp: 548

Ion Ratio Lower Upper

252 100

253 143.5 94.5 141.7#

125 109.8 23.8 35.8#



#39

Benzo(a)pyrene

Concen: 0.032 ng

RT: 23.608 min Scan# 2949

Delta R.T. 0.003 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

Tgt Ion:252 Resp: 546

Ion Ratio Lower Upper

252 100

253 158.4 110.2 165.4

125 123.8 27.0 40.4#

