

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134139.D
 Acq On : 07 Jul 2023 15:50
 Operator : CG\JU
 Sample : 03392-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SRY-1

Quant Time: Jul 07 23:05:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

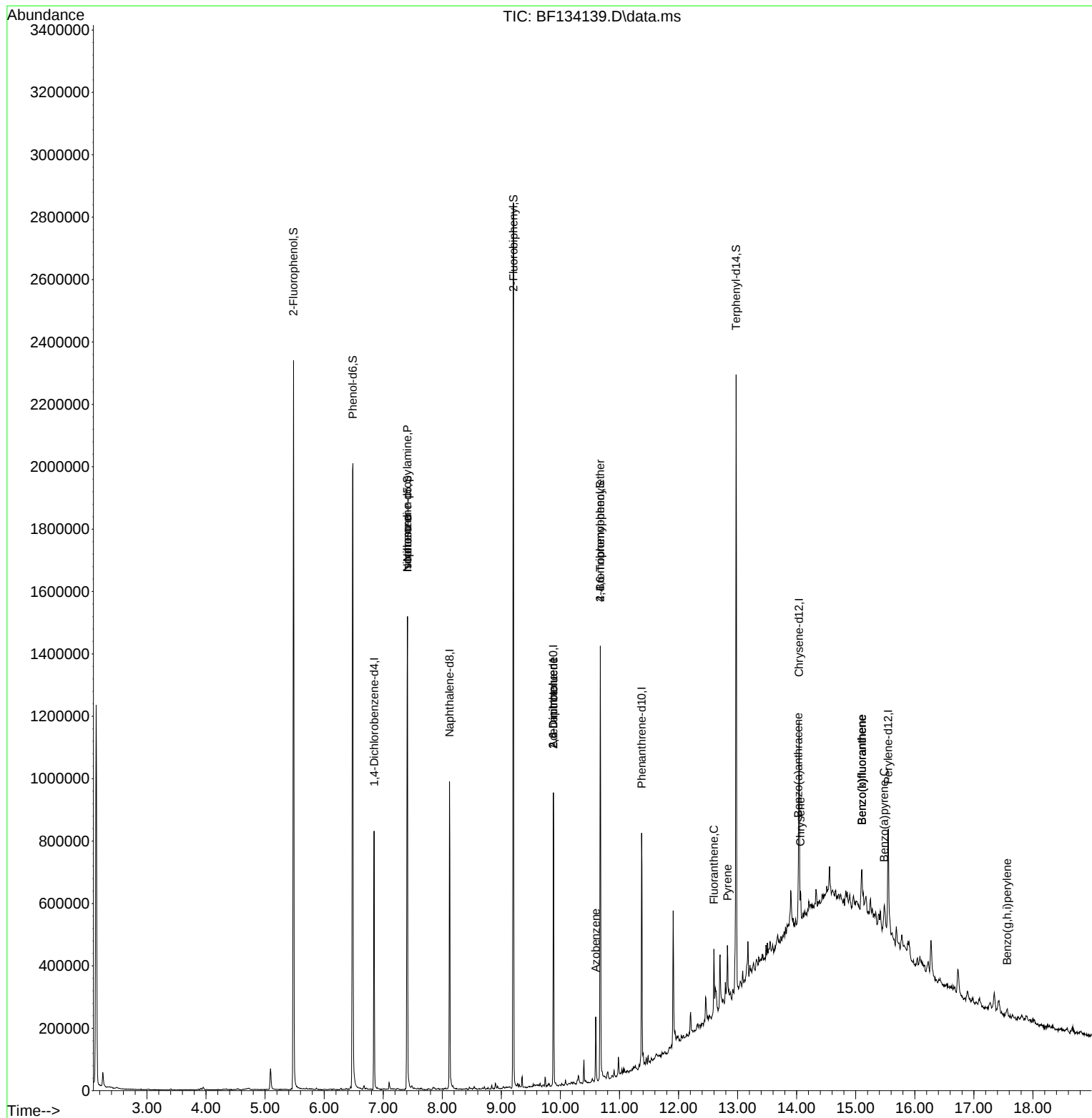
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	111646	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	404534	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	175991	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	280242	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	202665	20.000	ng	-0.01
86) Perylene-d12	15.551	264	161827	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	589926	88.387	ng	0.00
7) Phenol-d6	6.487	99	685246	83.484	ng	0.00
23) Nitrobenzene-d5	7.410	82	456558	60.838	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	160126	72.568	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	820290	67.766	ng	0.00
79) Terphenyl-d14	12.975	244	672220	53.383	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	388	Below Cal	#	11
19) n-Nitroso-di-n-propyla...	7.410	70	66177	12.713	ng	# 75
25) Isophorone	7.410	82	456553	33.474	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	22602	8.214	ng	# 24
57) 2,4-Dinitrotoluene	9.881	165	22602	6.220	ng	# 22
63) Azobenzene	10.598	77	33779	2.683	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	10260	3.445	ng	# 1
75) Fluoranthene	12.598	202	82549	5.412	ng	99
78) Pyrene	12.827	202	77845	4.127	ng	98
81) Benzo(a)anthracene	14.027	228	53375	3.798	ng	98
83) Chrysene	14.063	228	47073	3.458	ng	98
88) Benzo(b)fluoranthene	15.104	252	75074	7.890	ng	# 87
89) Benzo(k)fluoranthene	15.104	252	75074	7.749	ng	# 86
90) Benzo(a)pyrene	15.480	252	31701	3.445	ng	# 81
92) Benzo(g,h,i)perylene	17.562	276	18996	2.008	ng	# 93

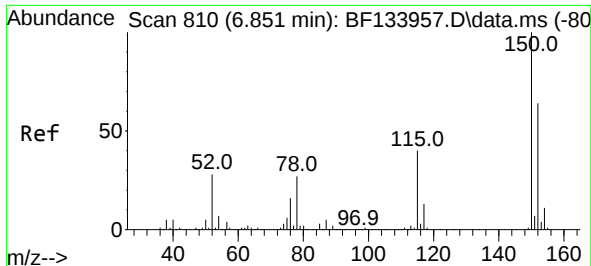
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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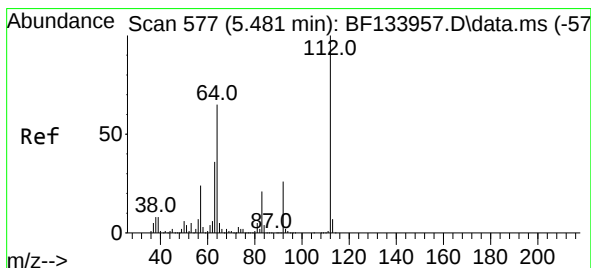
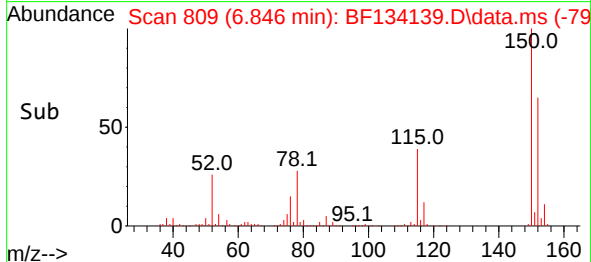
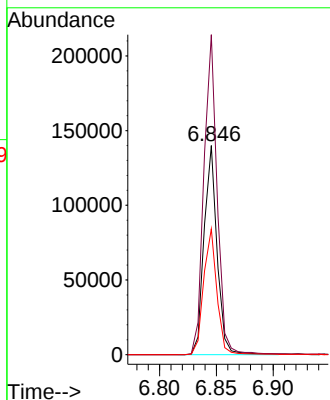
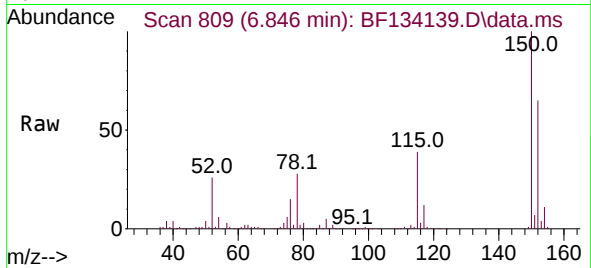




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 809
Delta R.T. -0.005 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

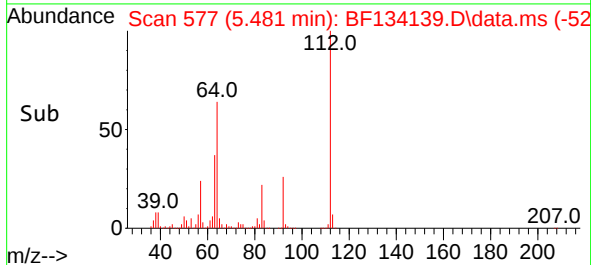
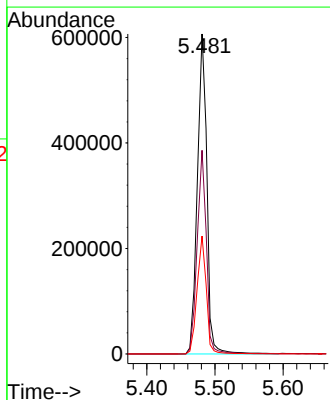
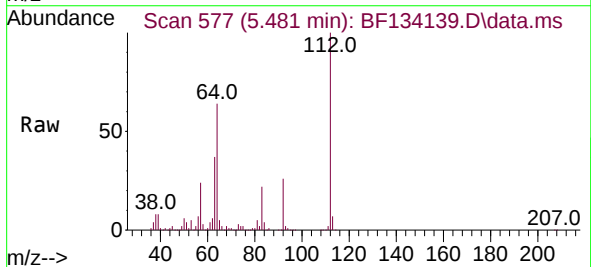
Instrument :
BNA_F
ClientSampleId :
SRY-1

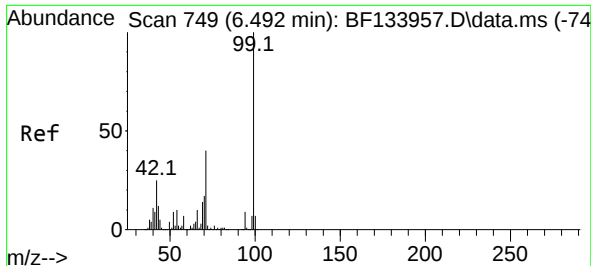
Tgt Ion:152 Resp: 111646
Ion Ratio Lower Upper
152 100
150 153.0 124.5 186.7
115 60.2 50.2 75.2



#5
2-Fluorophenol
Concen: 88.387 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion:112 Resp: 589926
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 36.8 28.6 42.8



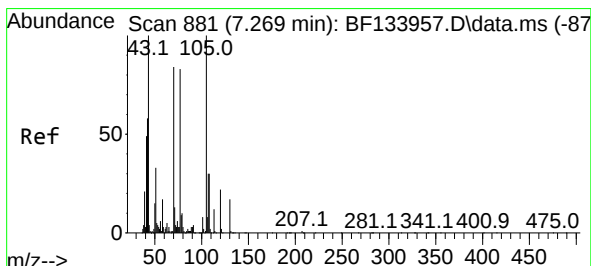
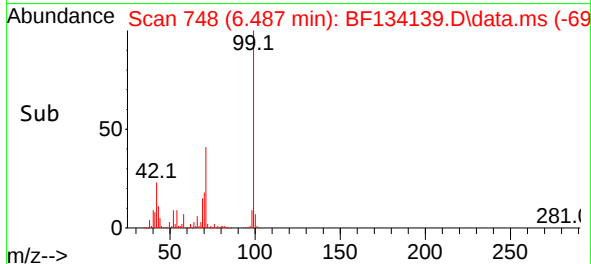
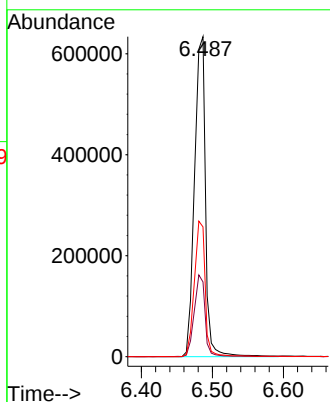
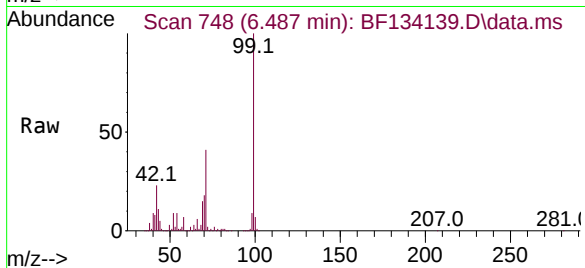


#7
Phenol-d6
Concen: 83.484 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Instrument :
BNA_F
ClientSampleId :
SRY-1

Tgt Ion: 99 Resp: 685246

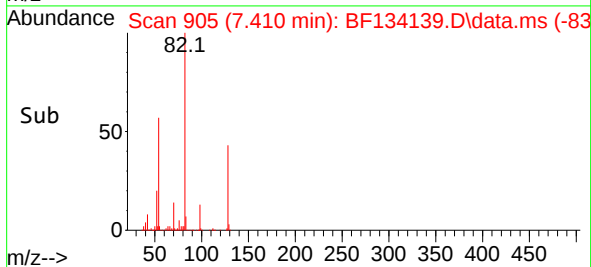
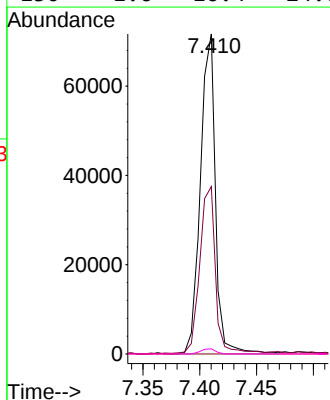
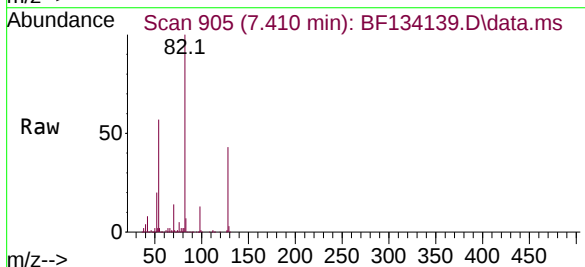
Ion	Ratio	Lower	Upper
99	100		
42	23.4	19.8	29.6
71	40.6	31.9	47.9

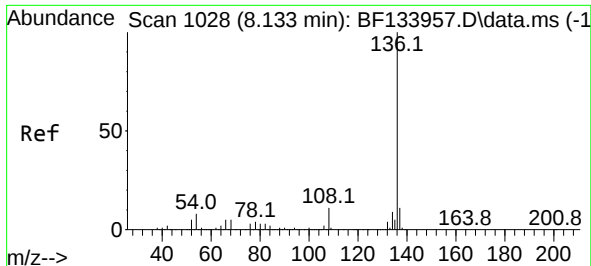


#19
n-Nitroso-di-n-propylamine
Concen: 12.713 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion: 70 Resp: 66177

Ion	Ratio	Lower	Upper
70	100		
42	52.3	54.7	82.1#
101	0.0	7.7	11.5#
130	1.6	16.4	24.6#



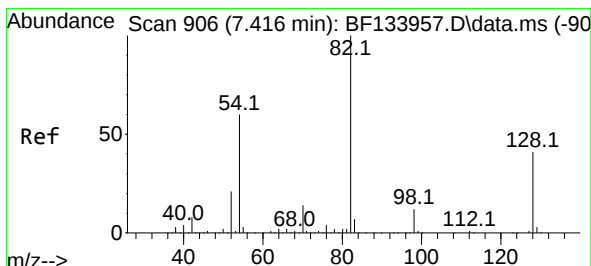
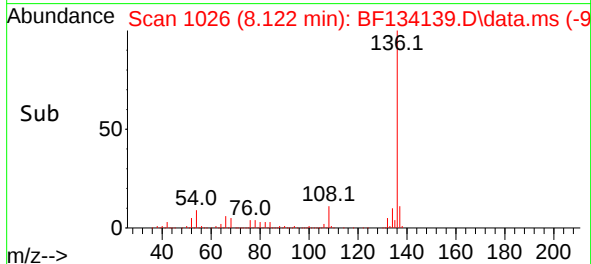
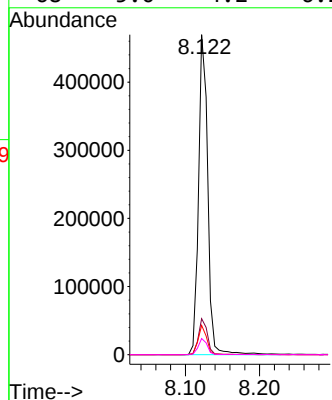
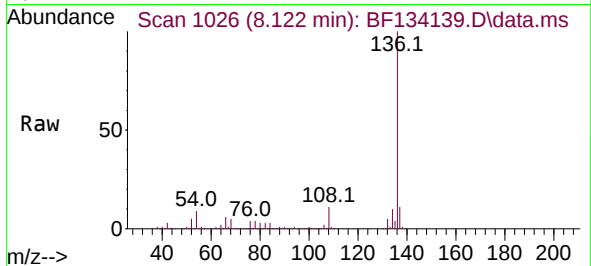


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Instrument :
BNA_F
ClientSampleId :
SRY-1

Tgt Ion:136 Resp: 404534

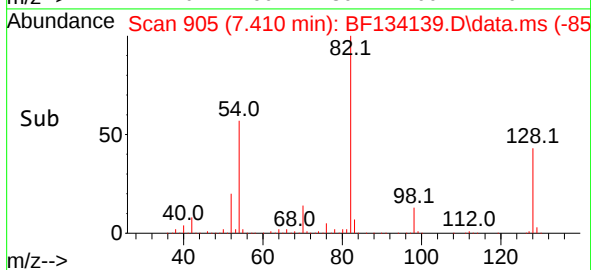
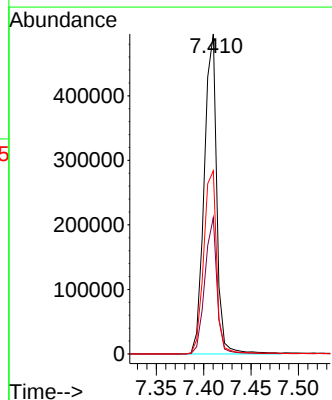
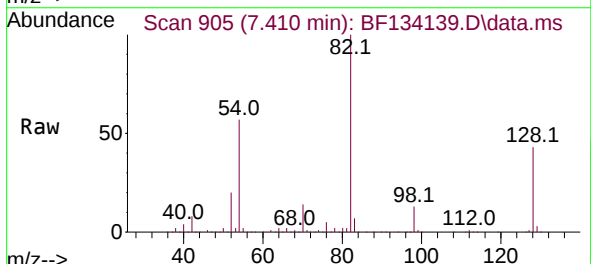
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	9.1	6.5	9.7
68	5.0	4.2	6.2

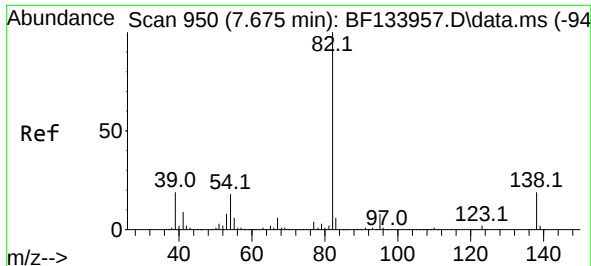


#23
Nitrobenzene-d5
Concen: 60.838 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion: 82 Resp: 456558

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.5	48.7
54	57.2	48.2	72.2

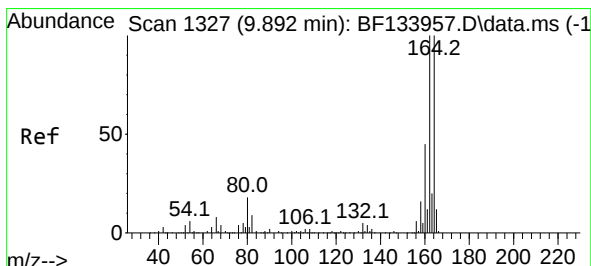
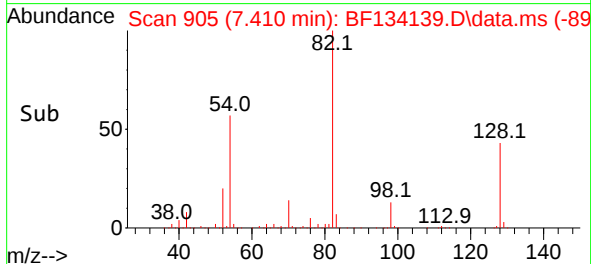
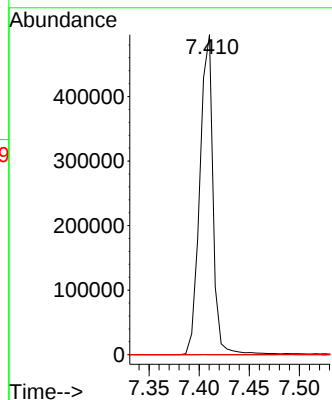
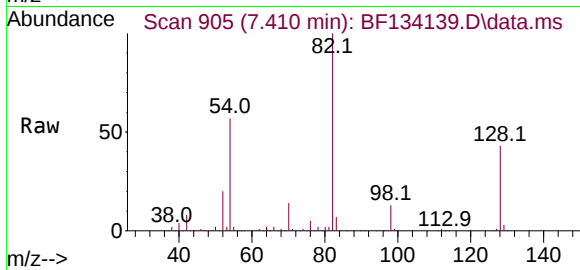




#25
Isophorone
Concen: 33.474 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

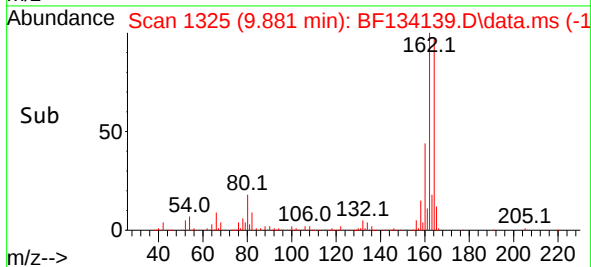
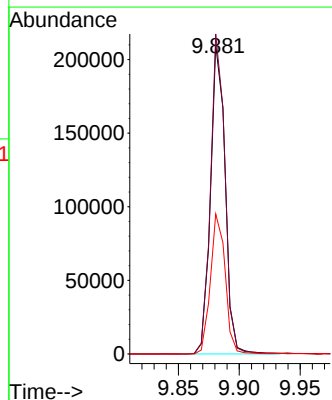
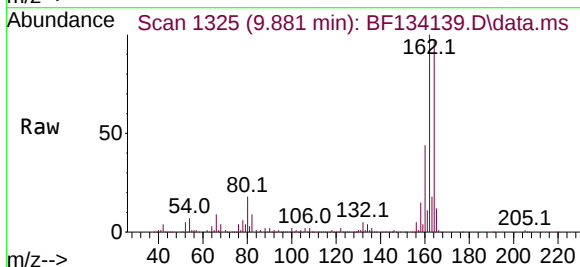
Instrument :
BNA_F
ClientSampleId :
SRY-1

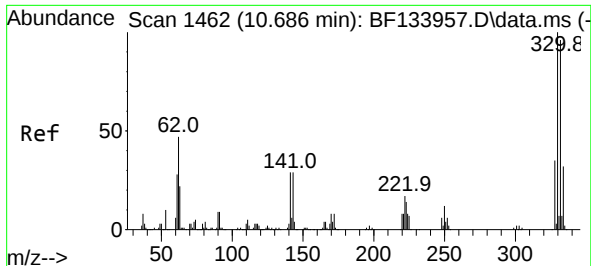
Tgt Ion: 82 Resp: 456553
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion:164 Resp: 175991
Ion Ratio Lower Upper
164 100
162 103.5 80.0 120.0
160 45.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 72.568 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

SRY-1

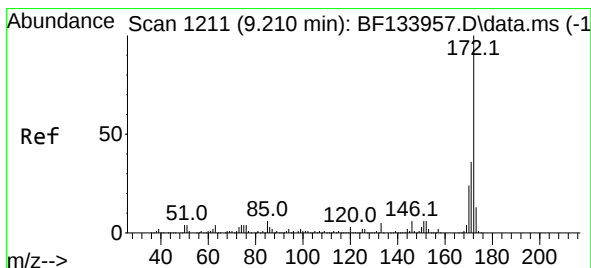
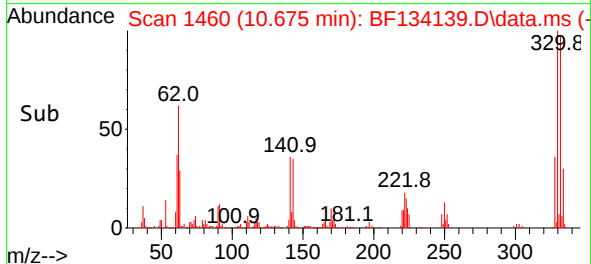
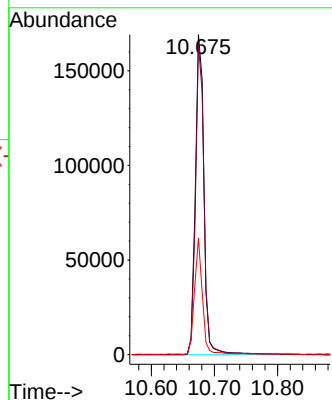
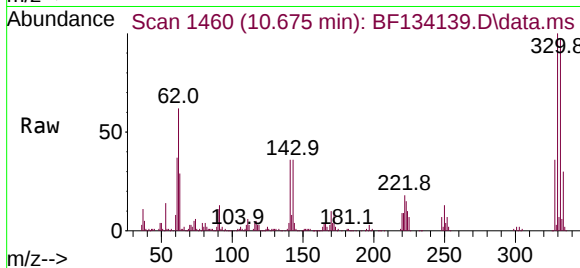
Tgt Ion:330 Resp: 160126

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

141 33.4 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 67.766 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

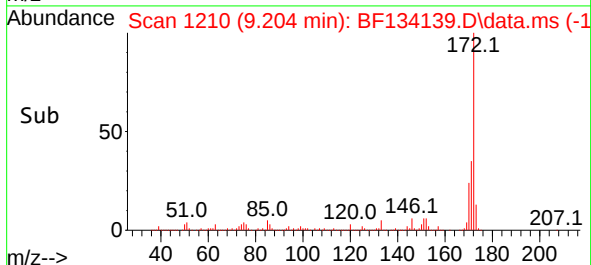
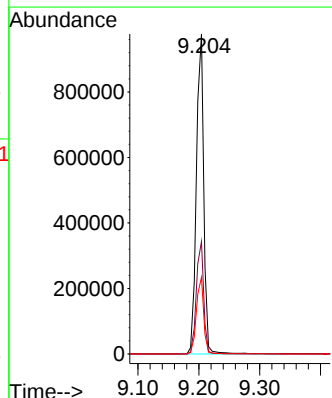
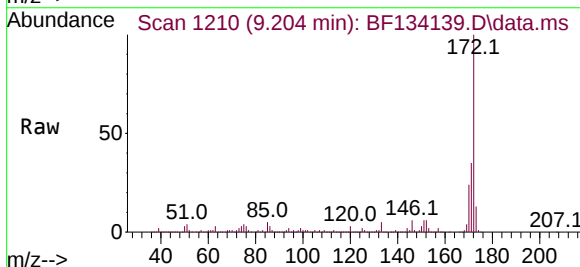
Tgt Ion:172 Resp: 820290

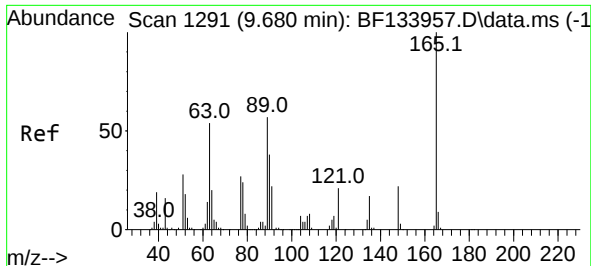
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.9 19.4 29.0

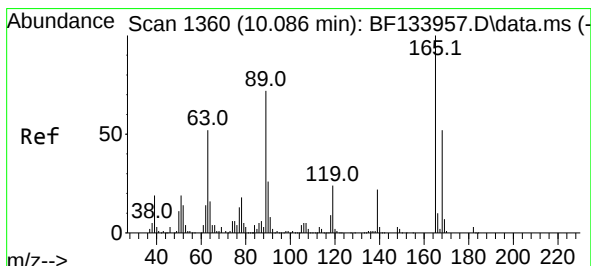
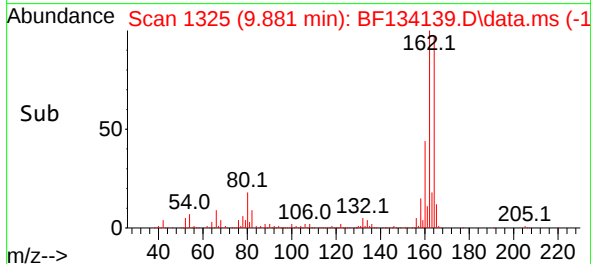
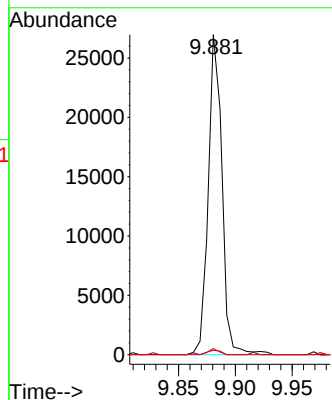
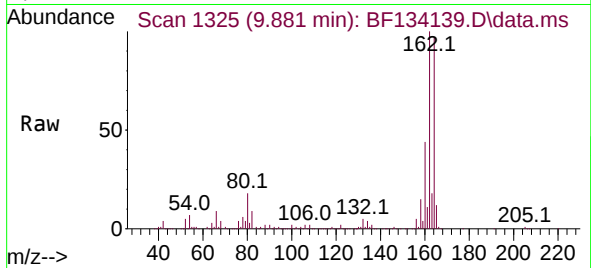




#51
2,6-Dinitrotoluene
Concen: 8.214 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

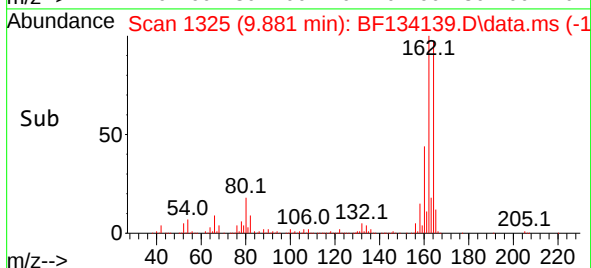
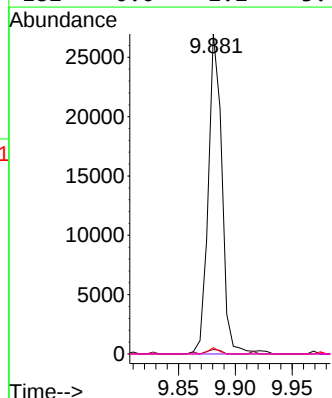
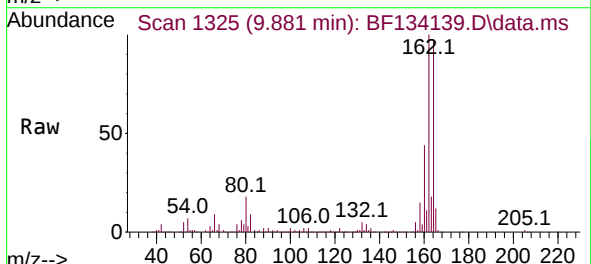
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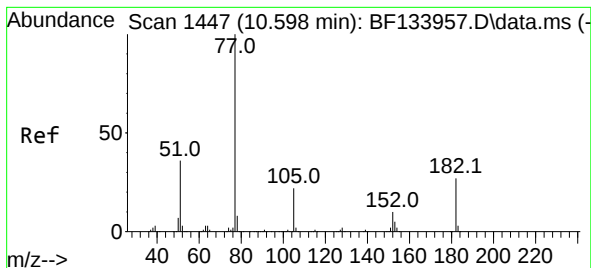
Tgt Ion:165 Resp: 22602
Ion Ratio Lower Upper
165 100
63 1.4 48.5 72.7#
89 2.0 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.220 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion:165 Resp: 22602
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 2.0 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.683 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.000 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

SRY-1

Tgt Ion: 77 Resp: 33779

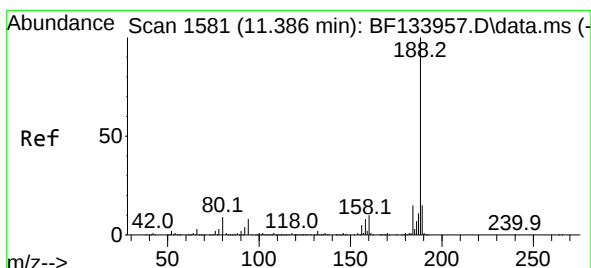
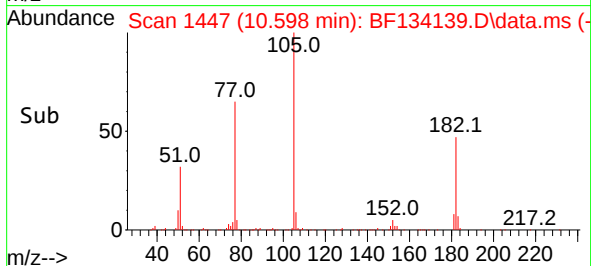
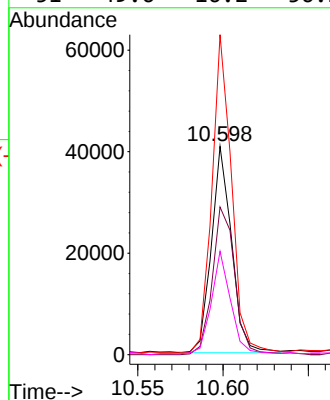
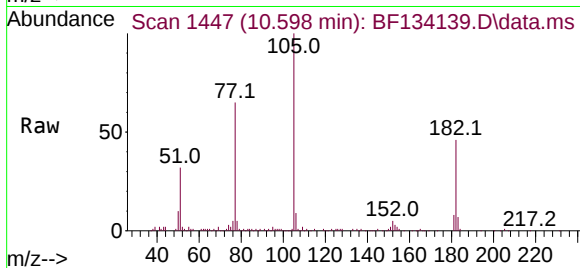
Ion Ratio Lower Upper

77 100

182 70.9 6.8 46.8#

105 153.6 2.3 42.3#

51 49.6 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

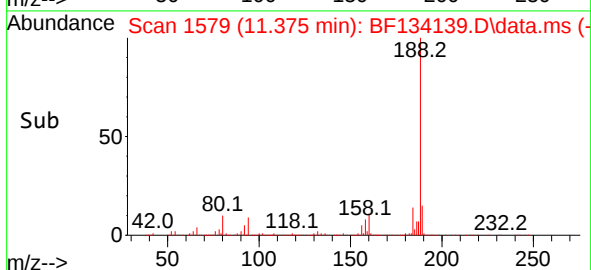
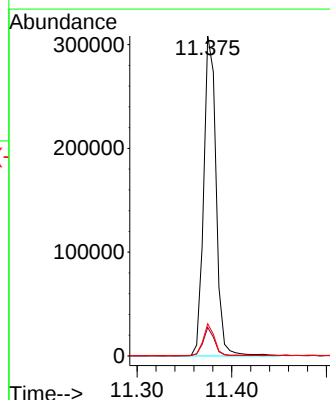
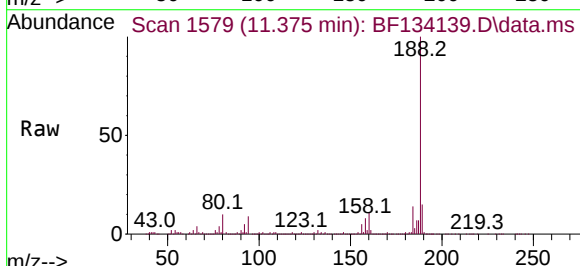
Tgt Ion: 188 Resp: 280242

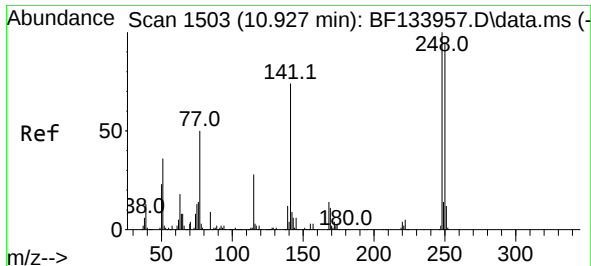
Ion Ratio Lower Upper

188 100

94 8.9 6.4 9.6

80 10.1 7.3 10.9

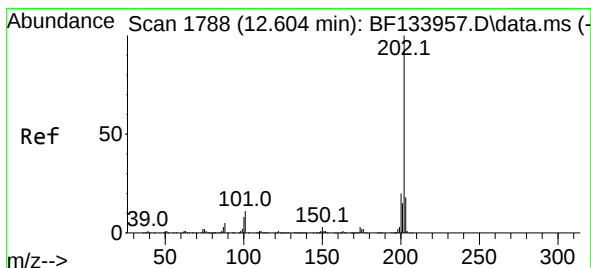
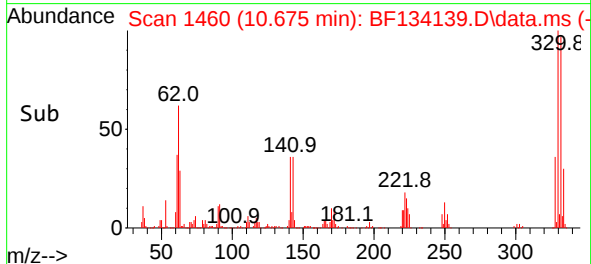
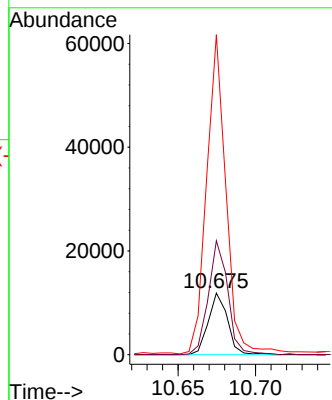
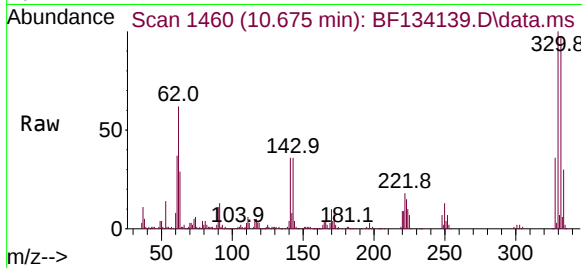




#67
4-Bromophenyl-phenylether
Concen: 3.445 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

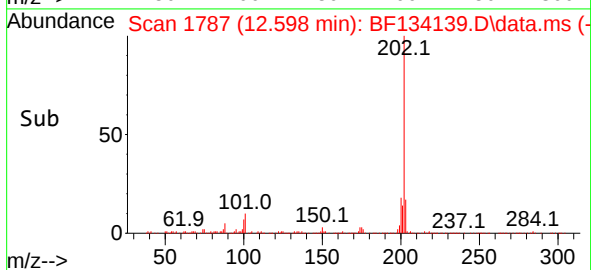
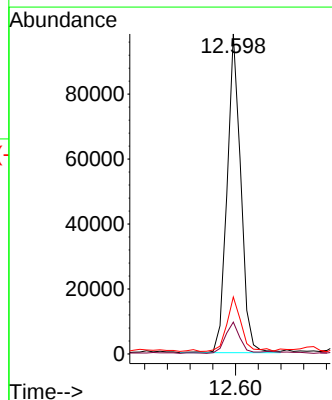
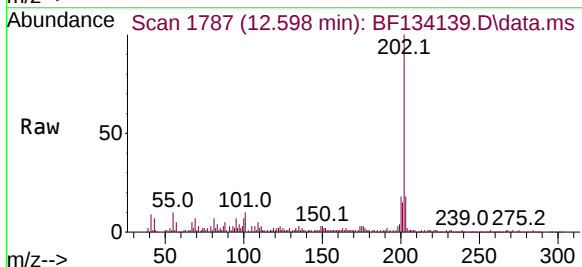
Instrument :
BNA_F
ClientSampleId :
SRY-1

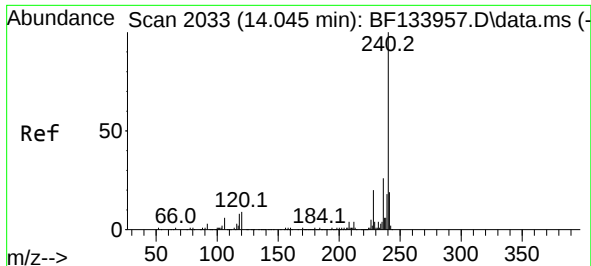
Tgt Ion:248 Resp: 10260
Ion Ratio Lower Upper
248 100
250 185.1 76.2 114.4#
141 519.5 59.0 88.4#



#75
Fluoranthene
Concen: 5.412 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion:202 Resp: 82549
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.0
203 17.8 0.0 37.6

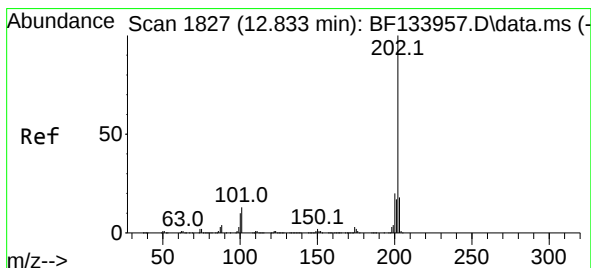
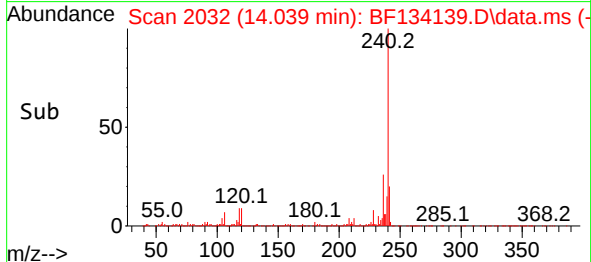
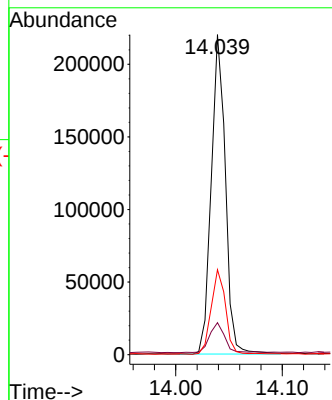
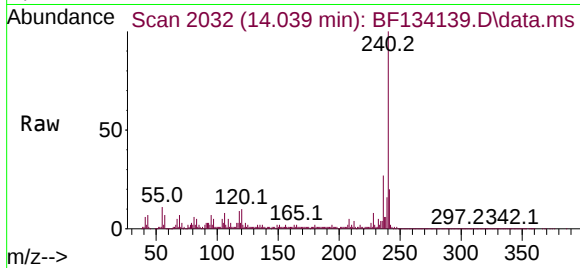




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

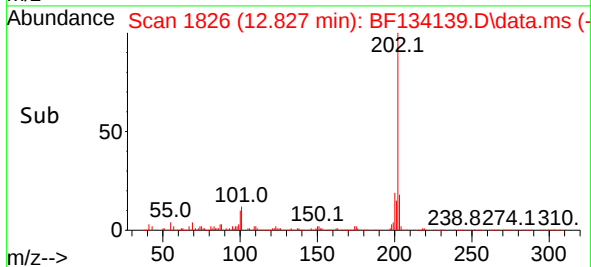
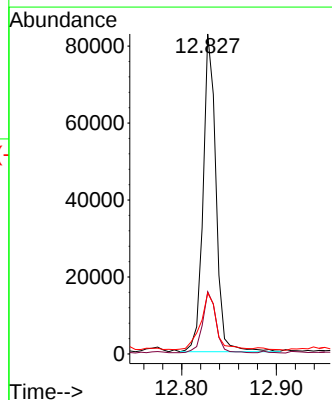
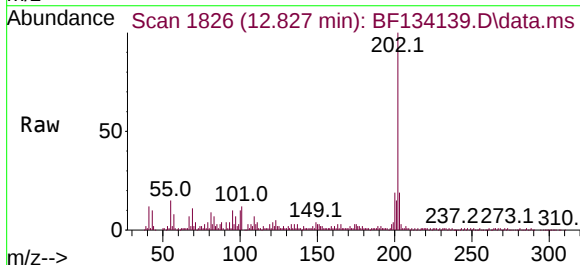
Instrument :
BNA_F
ClientSampleId :
SRY-1

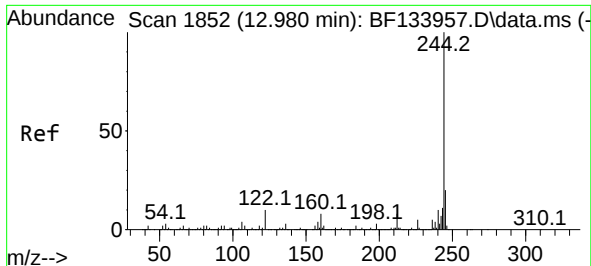
Tgt Ion:240 Resp: 202665
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 26.5 21.0 31.6



#78
Pyrene
Concen: 4.127 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion:202 Resp: 77845
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 19.1 14.3 21.5

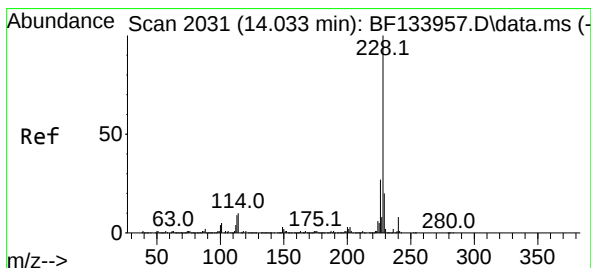
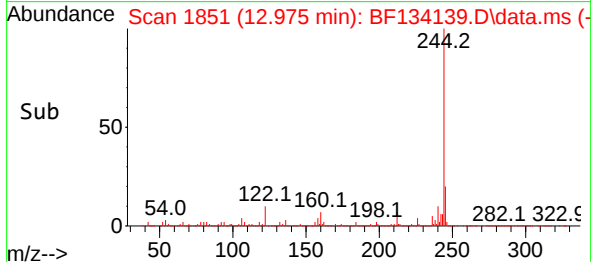
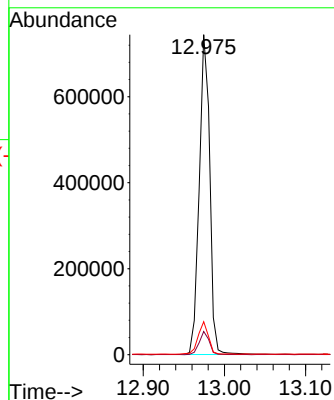
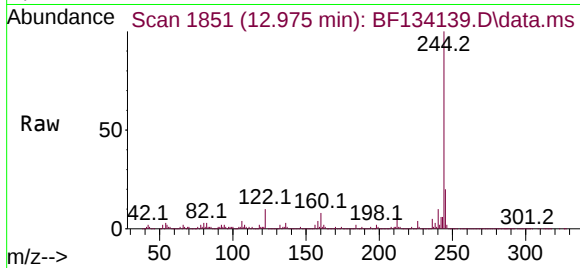




#79
 Terphenyl-d14
 Concen: 53.383 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134139.D
 Acq: 07 Jul 2023 15:50

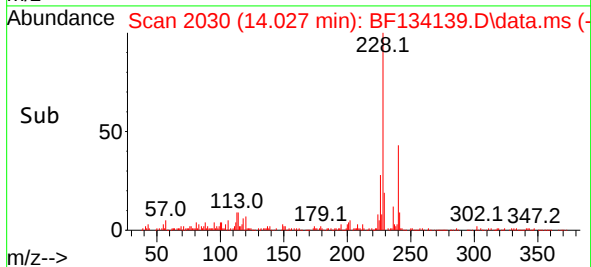
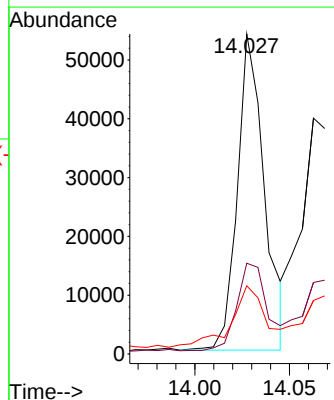
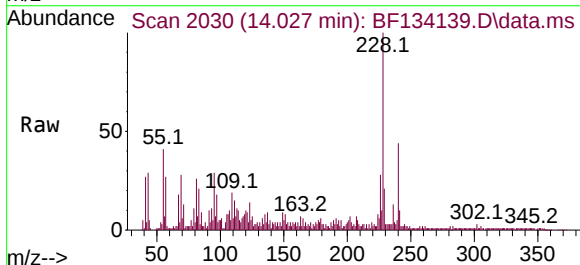
Instrument :
 BNA_F
 ClientSampleId :
 SRY-1

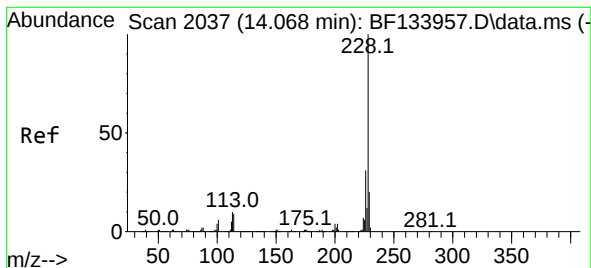
Tgt Ion:244 Resp: 672220
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.3 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.798 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134139.D
 Acq: 07 Jul 2023 15:50

Tgt Ion:228 Resp: 53375
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.0 33.0
 229 21.3 16.3 24.5





#83

Chrysene

Concen: 3.458 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

SRY-1

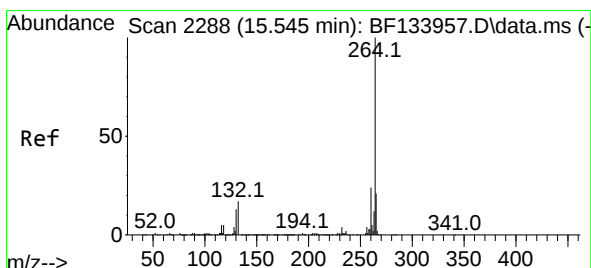
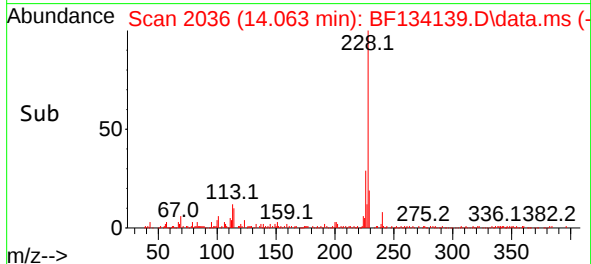
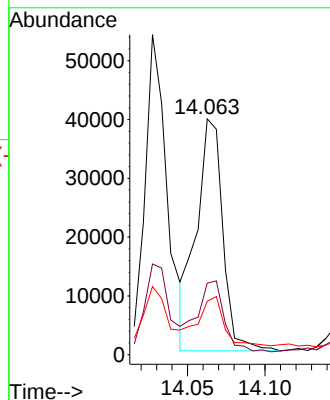
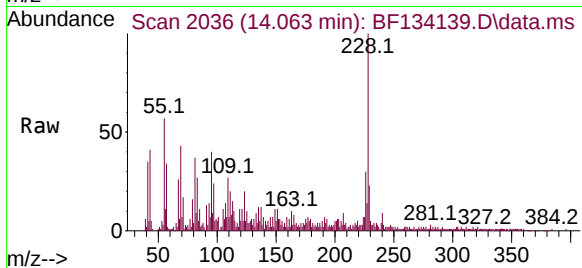
Tgt Ion:228 Resp: 47073

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 22.6 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.000 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

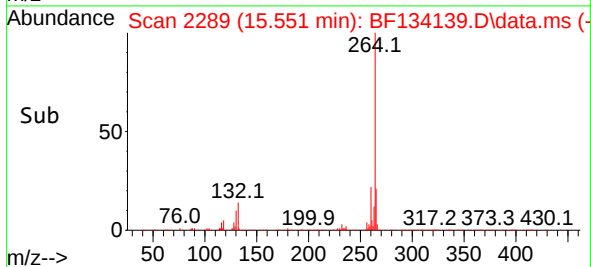
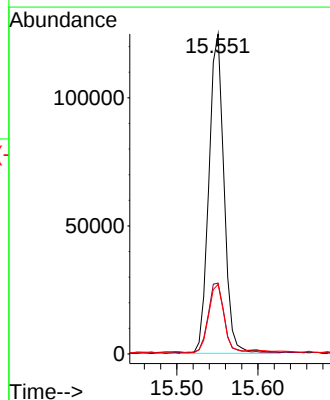
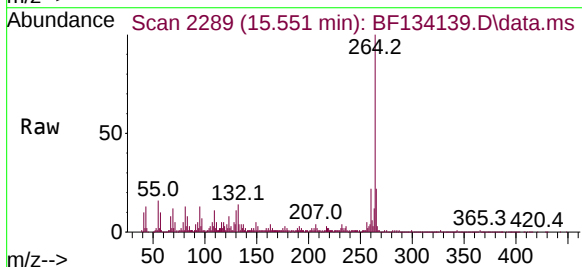
Tgt Ion:264 Resp: 161827

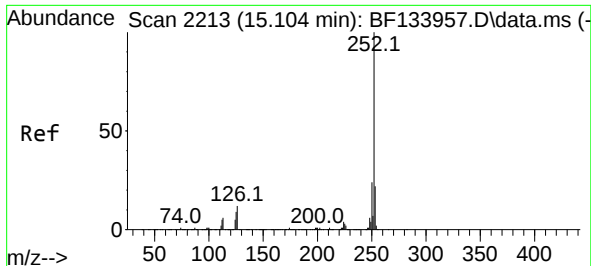
Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

265 21.8 16.6 25.0

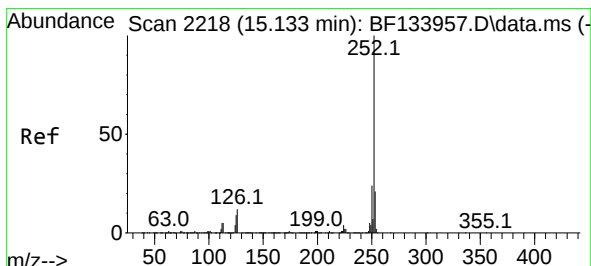
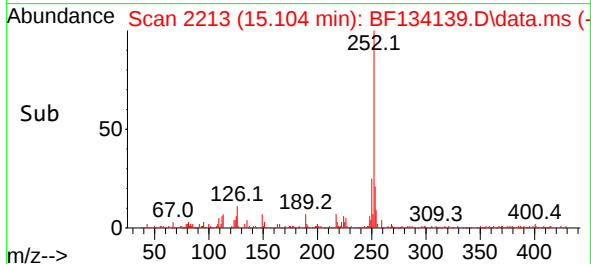
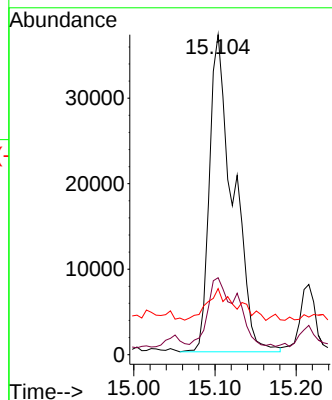
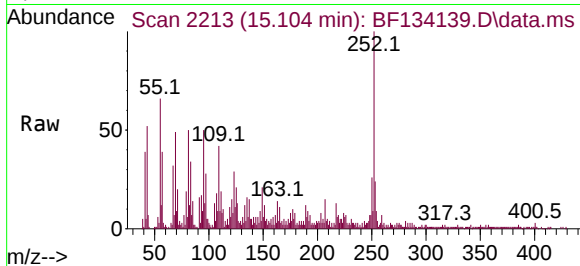




#88
Benzo(b)fluoranthene
Concen: 7.890 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

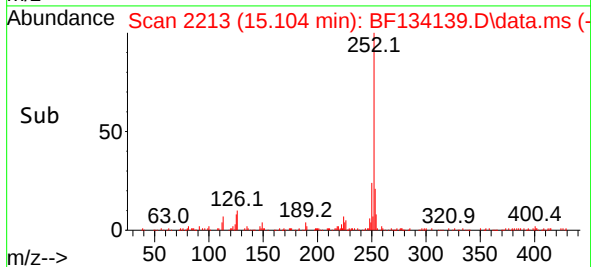
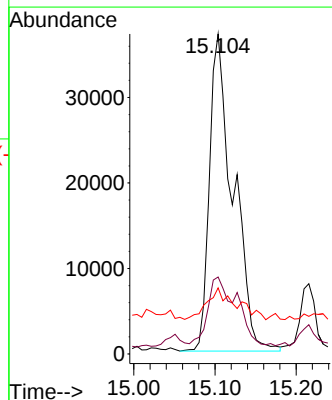
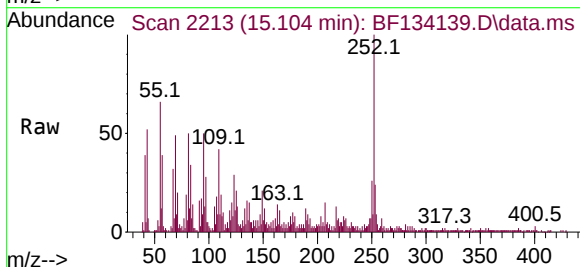
Instrument :
BNA_F
ClientSampleId :
SRY-1

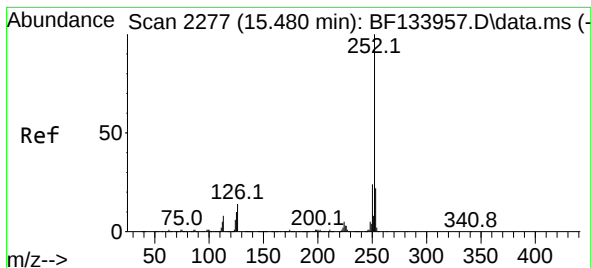
Tgt Ion:252 Resp: 75074
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 20.7 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 7.749 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.035 min
Lab File: BF134139.D
Acq: 07 Jul 2023 15:50

Tgt Ion:252 Resp: 75074
Ion Ratio Lower Upper
252 100
253 24.1 16.9 25.3
125 20.7 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.445 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

SRY-1

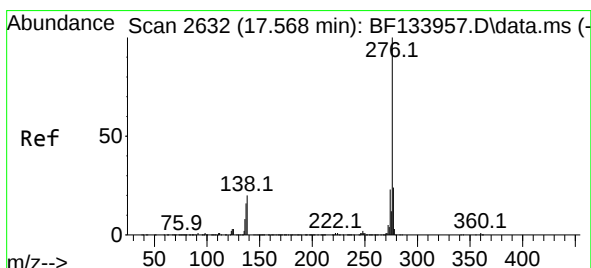
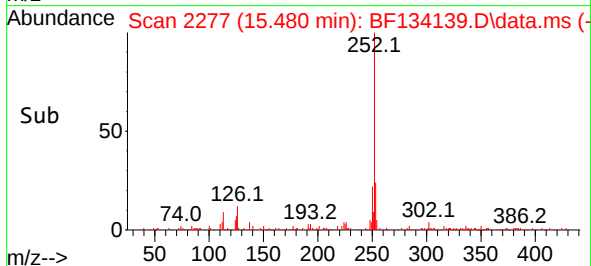
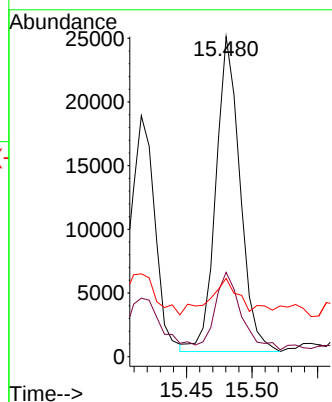
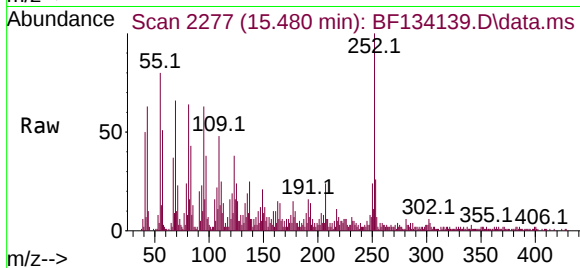
Tgt Ion:252 Resp: 31701

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.0#

125 24.4 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 2.008 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.018 min

Lab File: BF134139.D

Acq: 07 Jul 2023 15:50

Tgt Ion:276 Resp: 18996

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.6

138 25.5 16.2 24.2#

