

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134138.D
 Acq On : 07 Jul 2023 15:15
 Operator : CG\JU
 Sample : 03392-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SRY-3

Quant Time: Jul 07 23:04:48 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)

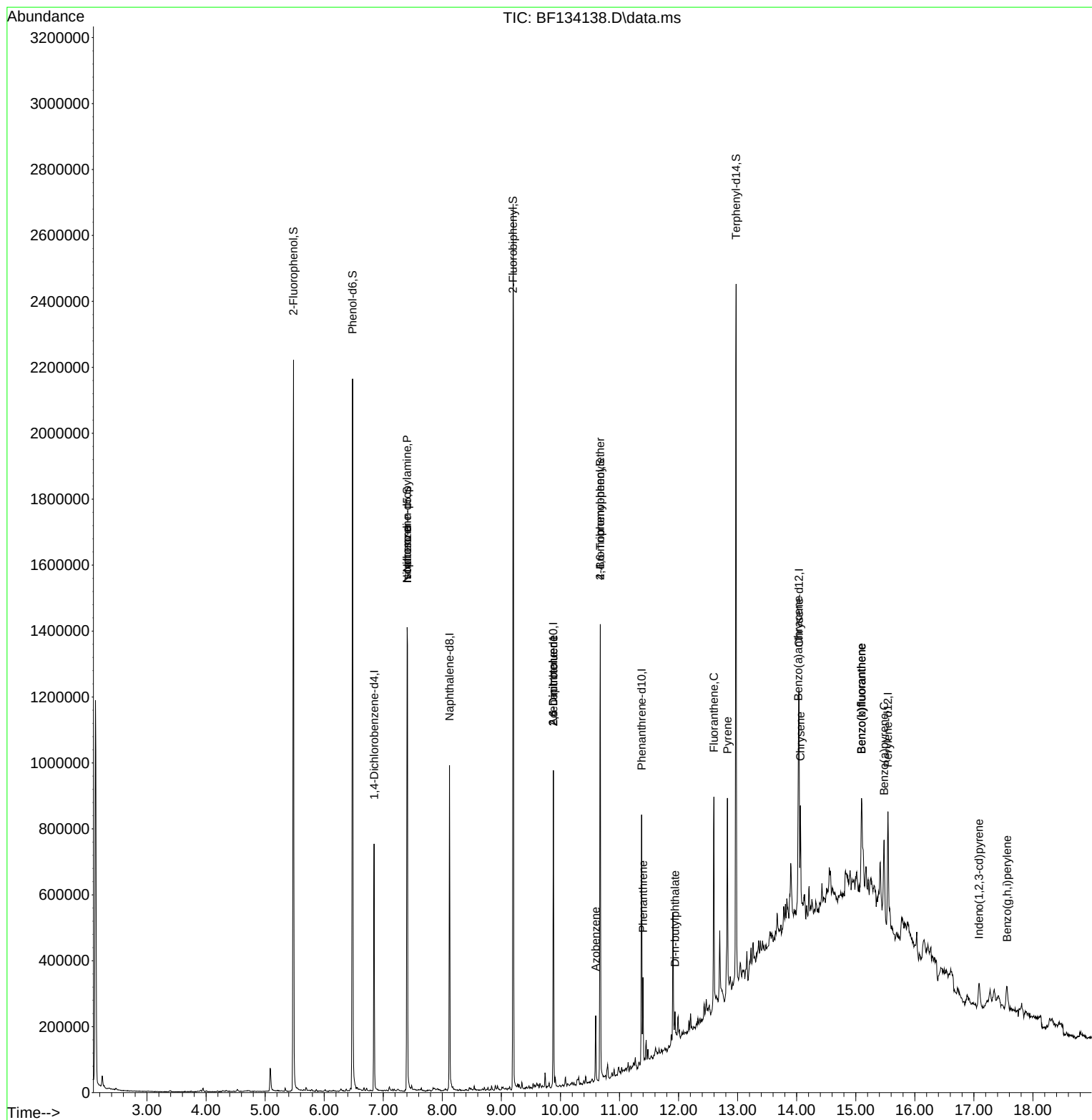
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	104607	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	384198	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	165485	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	267419	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	217031	20.000	ng	-0.01
86) Perylene-d12	15.545	264	167817	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	569314	91.039	ng	0.00
7) Phenol-d6	6.481	99	663548	86.280	ng	-0.01
23) Nitrobenzene-d5	7.404	82	457962	64.255	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	159575	76.909	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	797414	70.058	ng	-0.01
79) Terphenyl-d14	12.974	244	752956	55.836	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	638	Below Cal	#	61
19) n-Nitroso-di-n-propyla...	7.404	70	64946	13.316	ng	# 77
25) Isophorone	7.404	82	457939	35.353	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	22275	8.609	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	22275	6.519	ng	# 23
63) Azobenzene	10.598	77	32491	2.745	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	9857	3.468	ng	# 1
71) Phenanthrene	11.398	178	82924	6.160	ng	97
74) Di-n-butylphthalate	11.939	149	35595	2.335	ng	97
75) Fluoranthene	12.598	202	263188	18.084	ng	98
78) Pyrene	12.827	202	239072	11.837	ng	99
81) Benzo(a)anthracene	14.027	228	132308	8.790	ng	96
83) Chrysene	14.063	228	127508	8.746	ng	95
87) Indeno(1,2,3-cd)pyrene	17.086	276	54479	4.678	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	207638	21.042	ng	# 93
89) Benzo(k)fluoranthene	15.098	252	207638	20.667	ng	# 93
90) Benzo(a)pyrene	15.480	252	96851	10.150	ng	# 96
92) Benzo(g,h,i)perylene	17.562	276	62985	6.421	ng	99

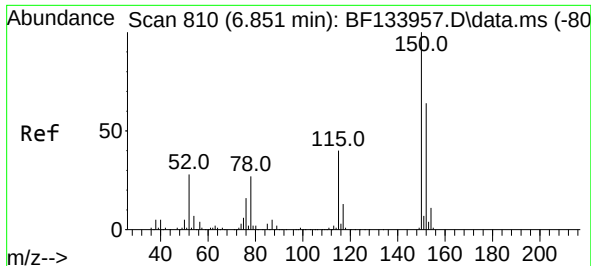
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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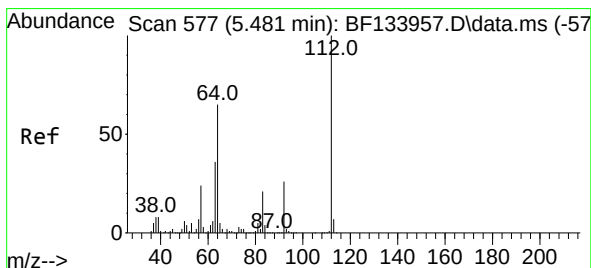
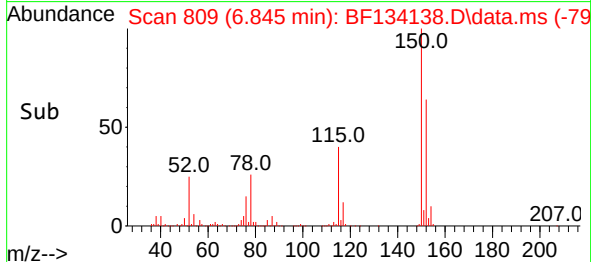
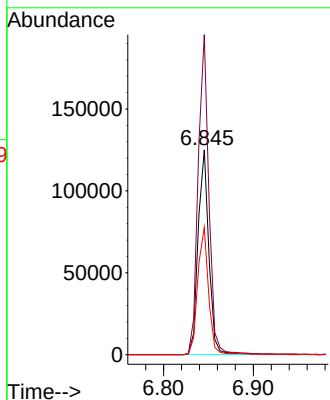
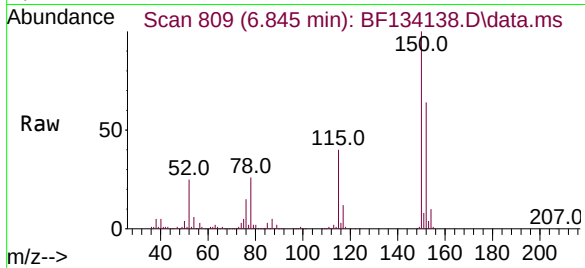




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

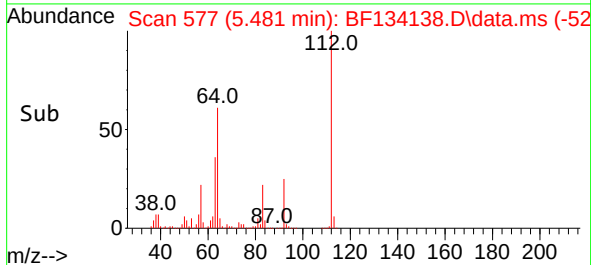
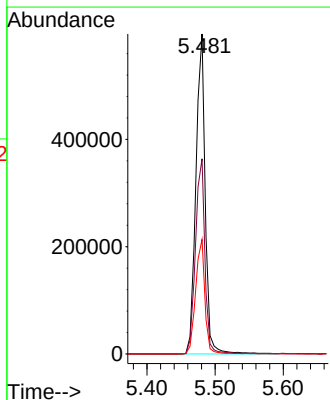
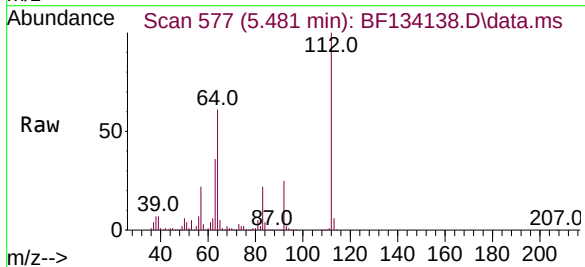
Instrument :
BNA_F
ClientSampleId :
SRY-3

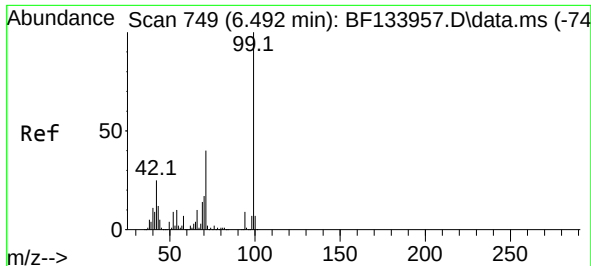
Tgt Ion:152 Resp: 104607
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 62.2 50.2 75.2



#5
2-Fluorophenol
Concen: 91.039 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion:112 Resp: 569314
Ion Ratio Lower Upper
112 100
64 61.0 52.1 78.1
63 35.8 28.6 42.8





#7
Phenol-d6
Concen: 86.280 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

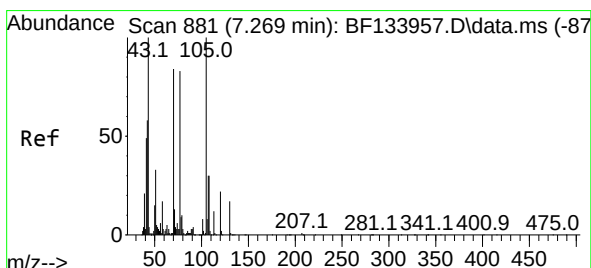
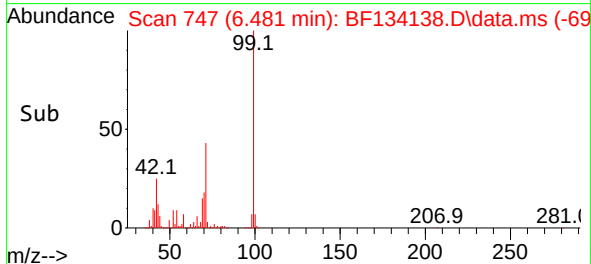
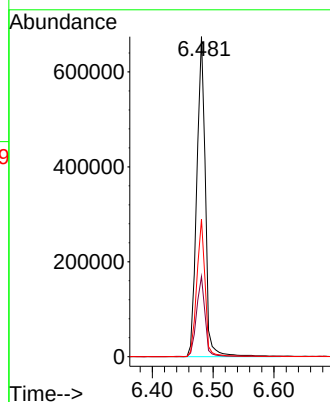
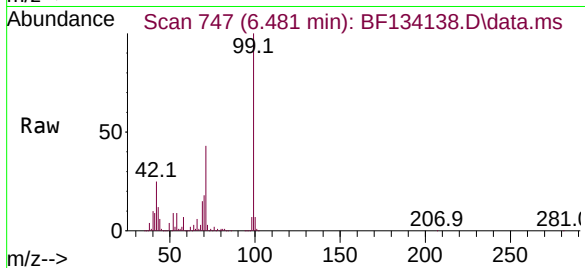
Instrument :

BNA_F

ClientSampleId :

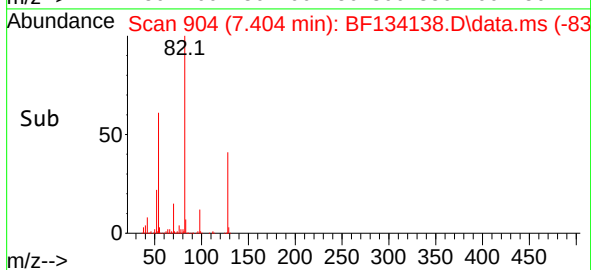
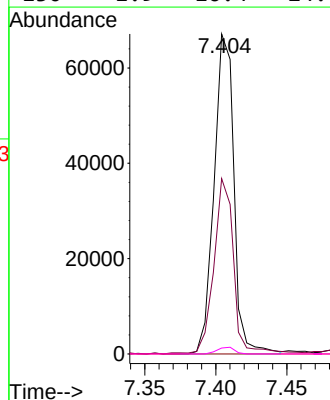
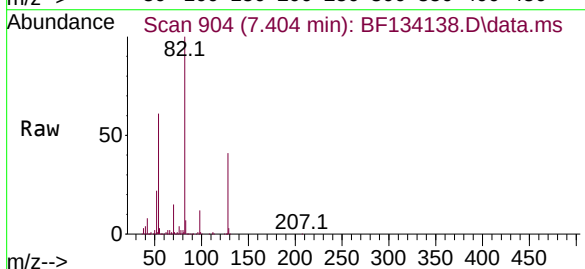
SRY-3

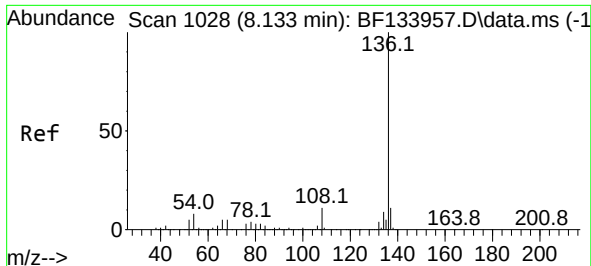
Tgt Ion: 99 Resp: 663548
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.6
71 42.9 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.316 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion: 70 Resp: 64946
Ion Ratio Lower Upper
70 100
42 54.8 54.7 82.1
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

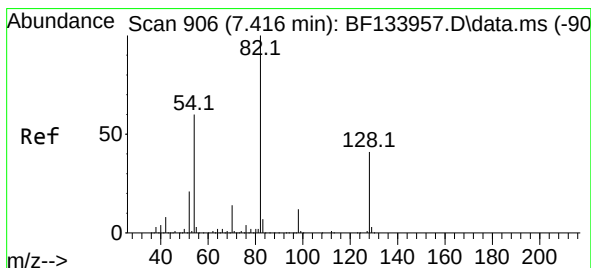
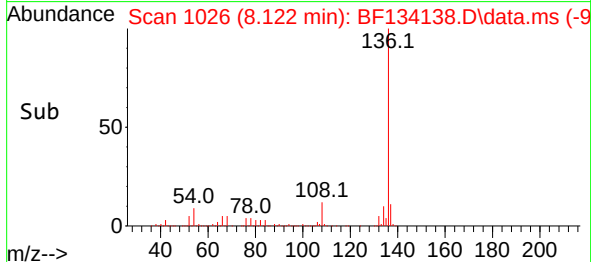
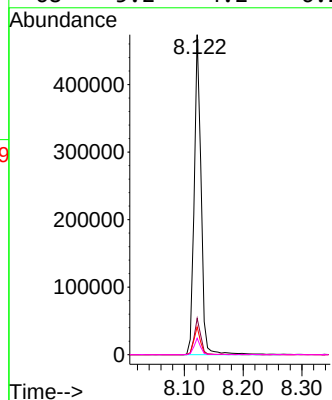
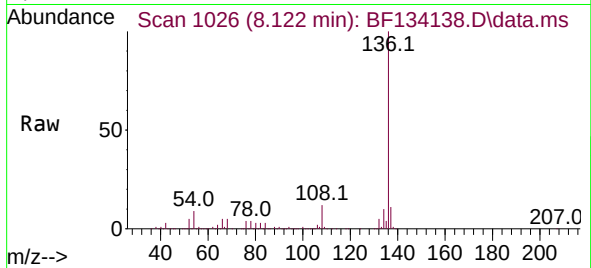




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

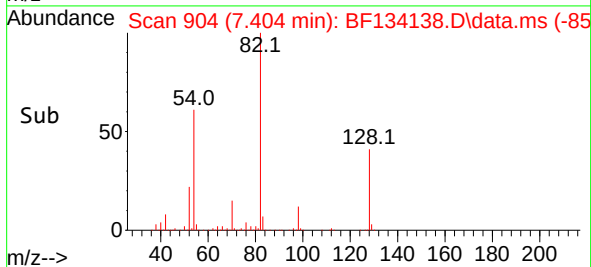
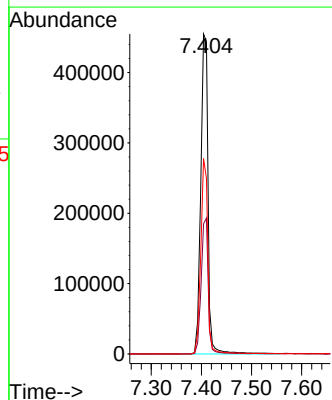
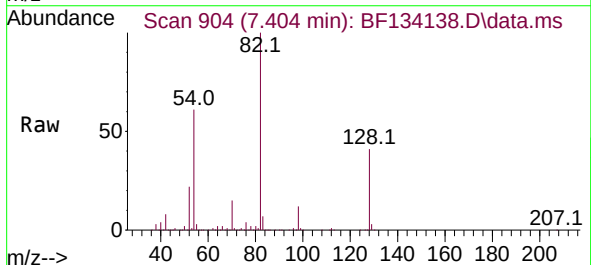
Instrument :
BNA_F
ClientSampleId :
SRY-3

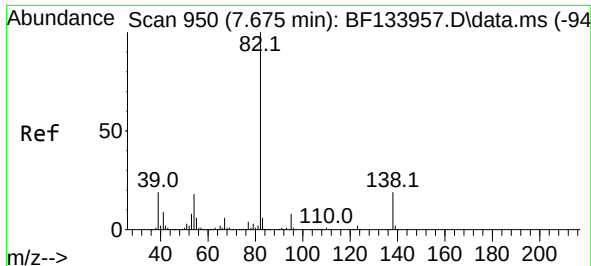
Tgt Ion:136 Resp: 384198
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 8.7 6.5 9.7
68 5.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 64.255 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion: 82 Resp: 457962
Ion Ratio Lower Upper
82 100
128 40.7 32.5 48.7
54 61.1 48.2 72.2

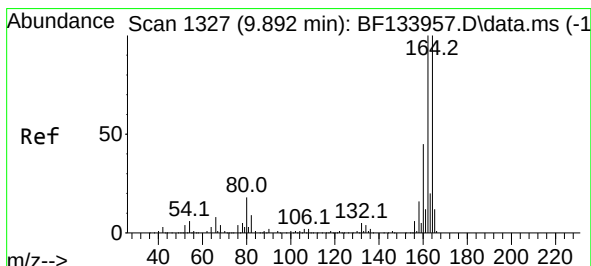
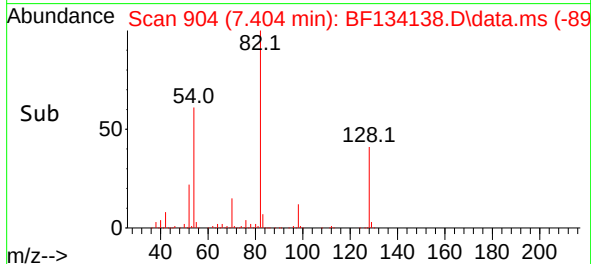
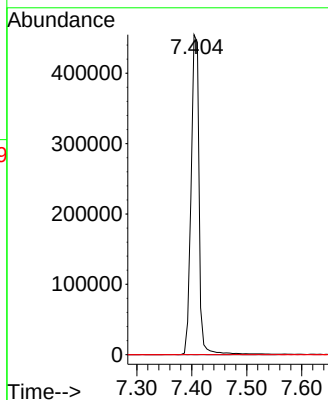
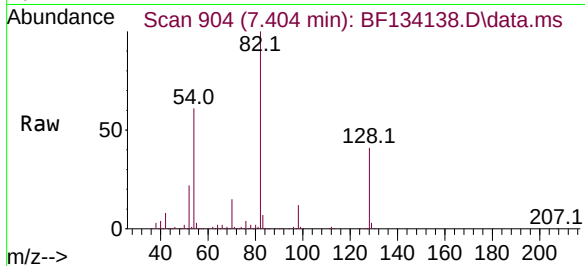




#25
Isophorone
Concen: 35.353 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

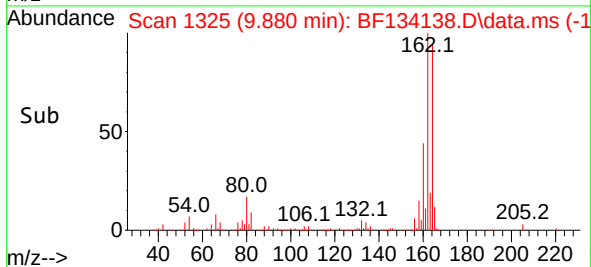
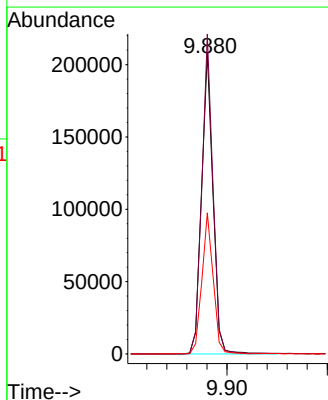
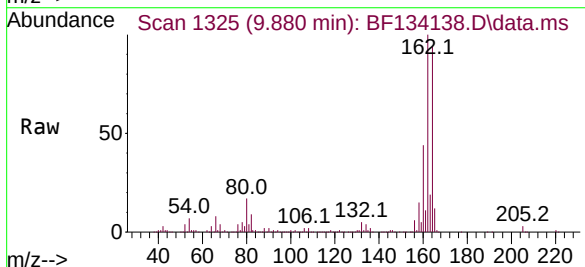
Instrument :
BNA_F
ClientSampleId :
SRY-3

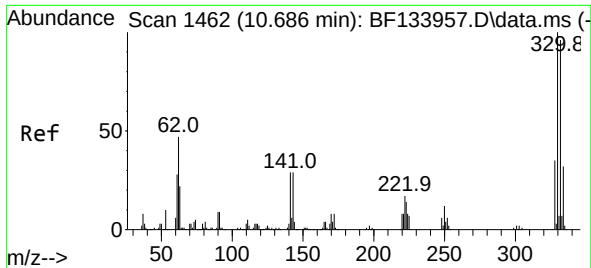
Tgt Ion: 82 Resp: 457939
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion: 164 Resp: 165485
Ion Ratio Lower Upper
164 100
162 106.2 80.0 120.0
160 46.8 35.9 53.9

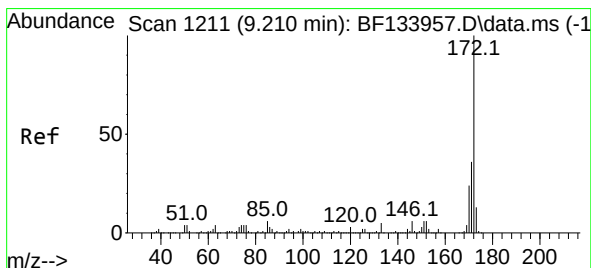
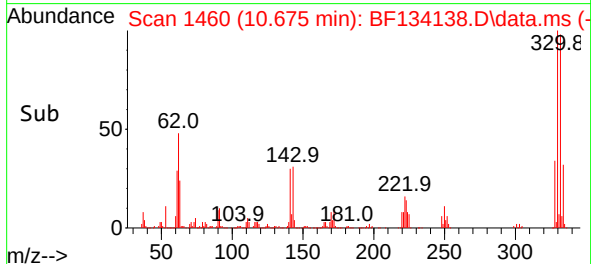
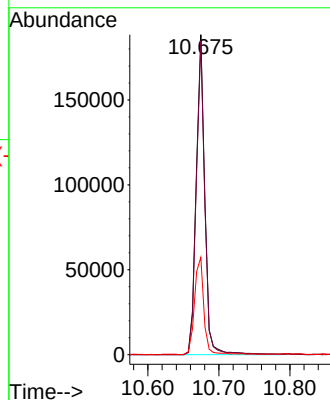
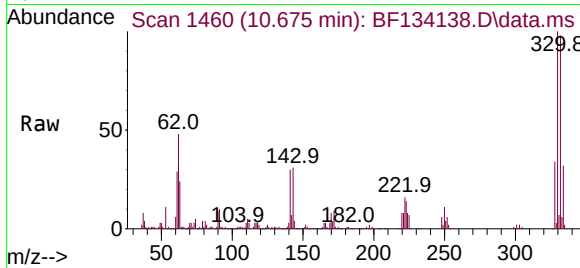




#42
2,4,6-Tribromophenol
Concen: 76.909 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

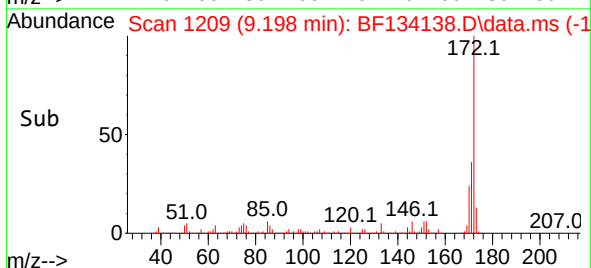
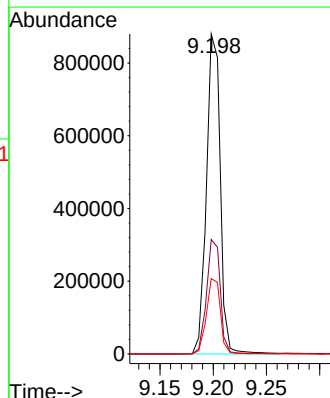
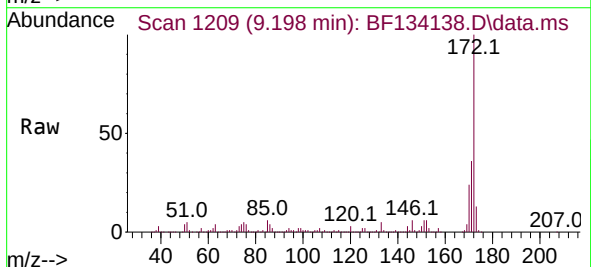
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ClientSampleId :
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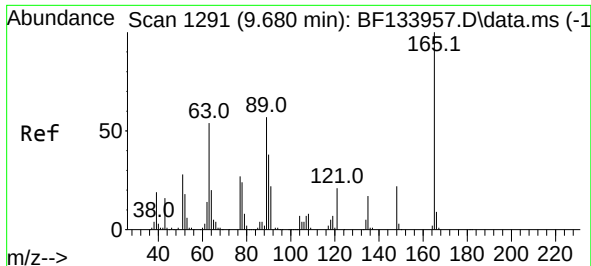
Tgt Ion: 330 Resp: 159575
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 33.4 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 70.058 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion: 172 Resp: 797414
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.6 19.4 29.0

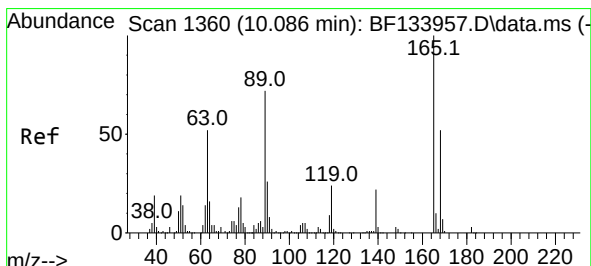
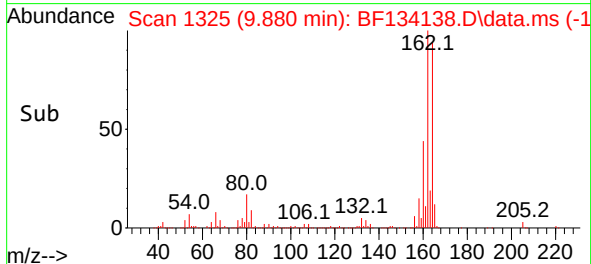
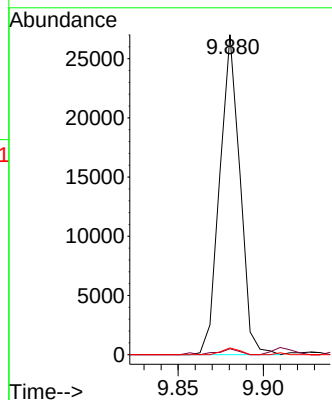
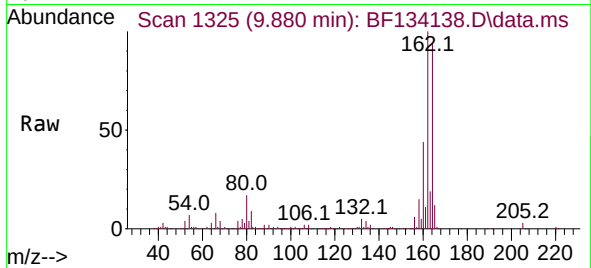




#51
2,6-Dinitrotoluene
Concen: 8.609 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

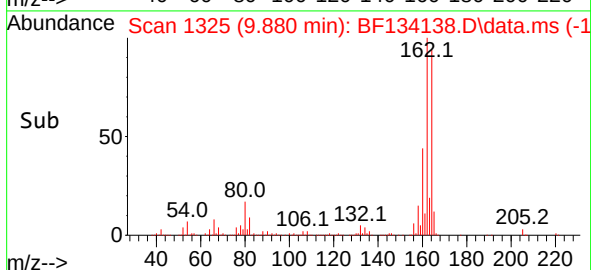
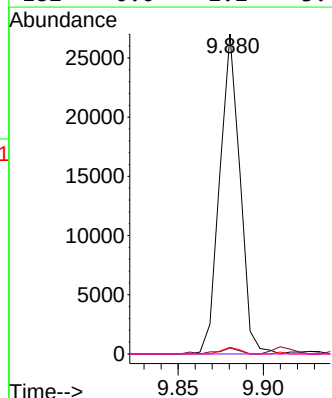
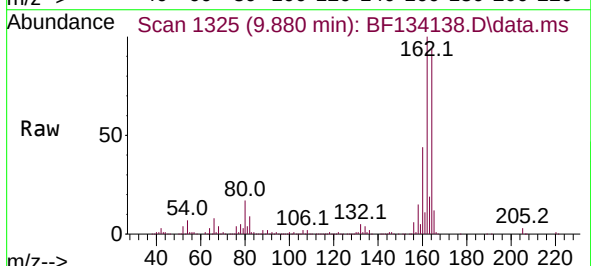
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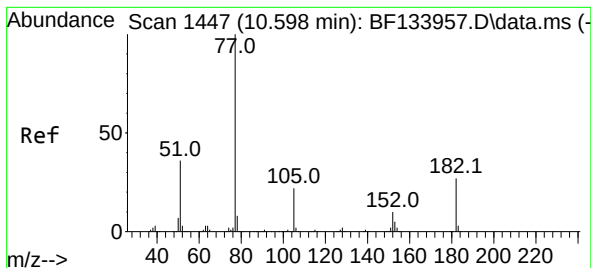
Tgt Ion:165 Resp: 22275
Ion Ratio Lower Upper
165 100
63 1.8 48.5 72.7#
89 2.1 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.519 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion:165 Resp: 22275
Ion Ratio Lower Upper
165 100
63 1.8 42.2 63.2#
89 2.1 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.745 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF134138.D

Acq: 07 Jul 2023 15:15

Instrument :

BNA_F

ClientSampleId :

SRY-3

Tgt Ion: 77 Resp: 32491

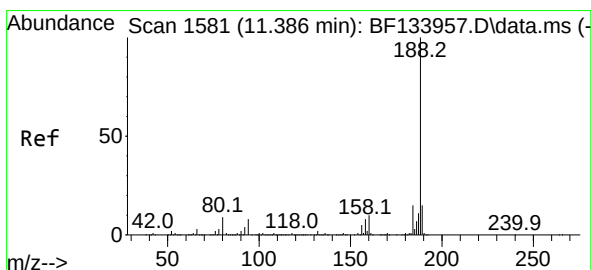
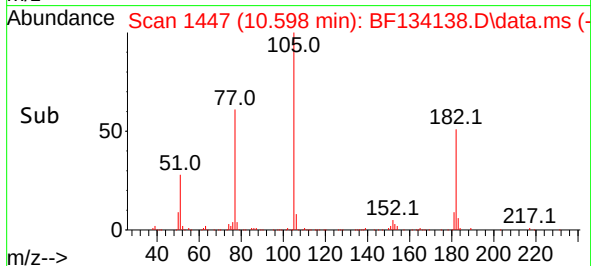
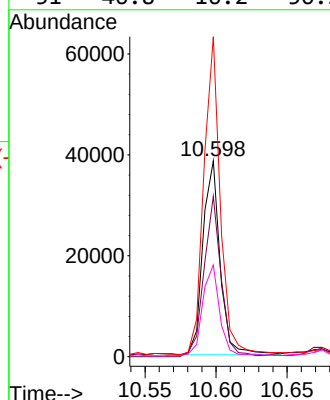
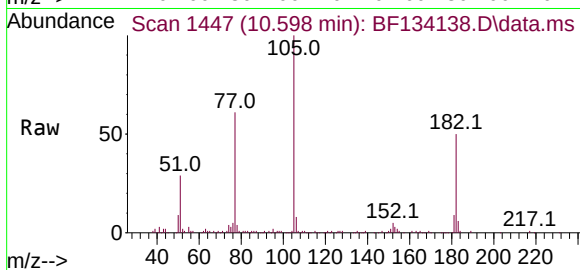
Ion Ratio Lower Upper

77 100

182 81.9 6.8 46.8#

105 163.4 2.3 42.3#

51 46.8 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF134138.D

Acq: 07 Jul 2023 15:15

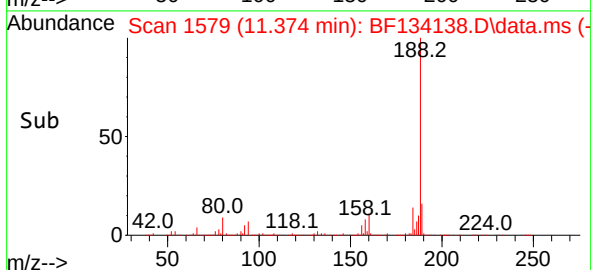
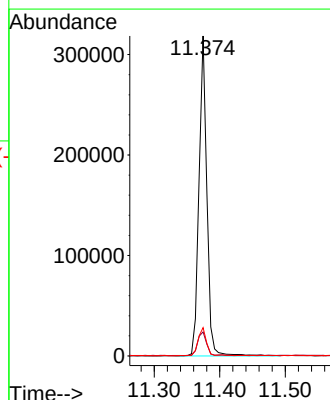
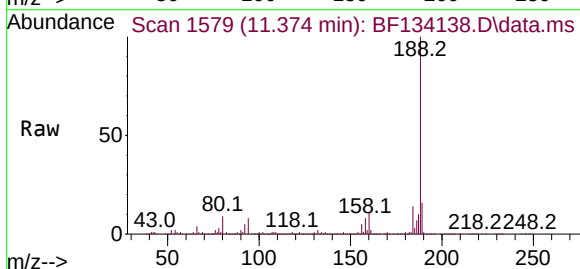
Tgt Ion: 188 Resp: 267419

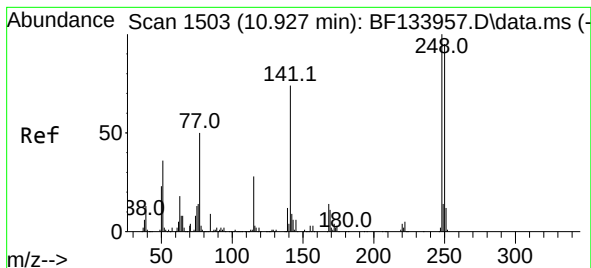
Ion Ratio Lower Upper

188 100

94 7.5 6.4 9.6

80 8.8 7.3 10.9

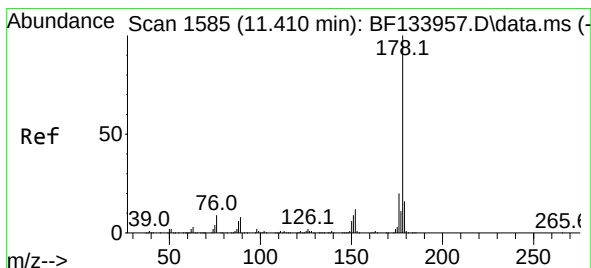
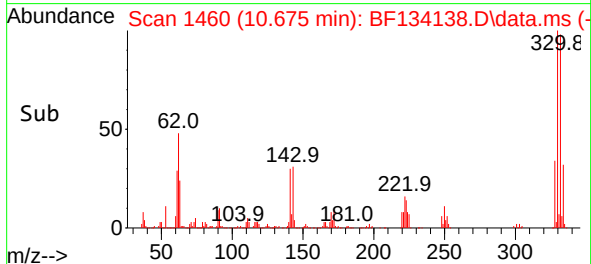
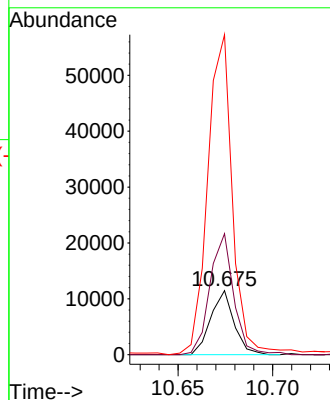
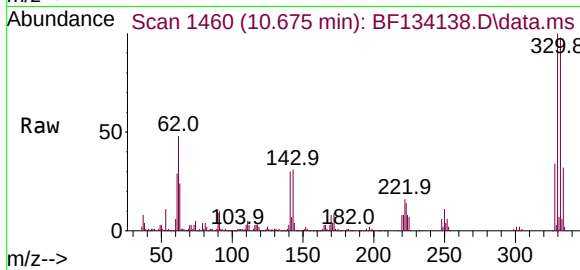




#67
4-Bromophenyl-phenylether
Concen: 3.468 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.253 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

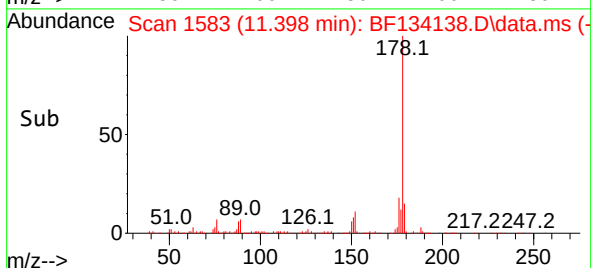
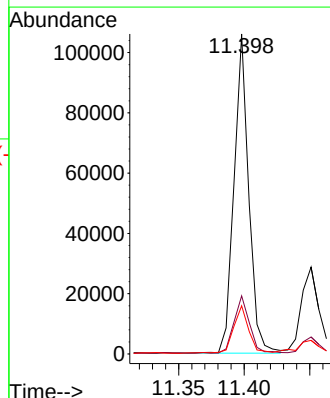
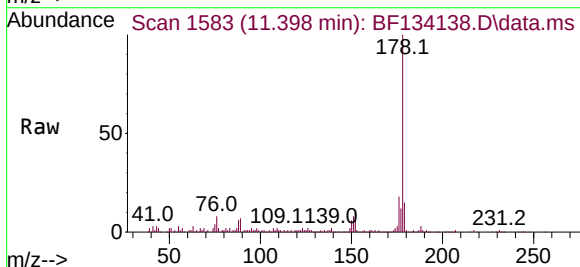
Instrument :
BNA_F
ClientSampleId :
SRY-3

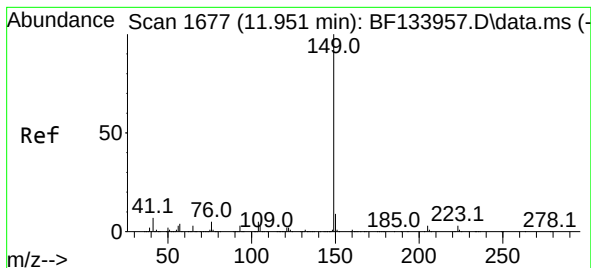
Tgt Ion:248 Resp: 9857
Ion Ratio Lower Upper
248 100
250 188.8 76.2 114.4#
141 499.4 59.0 88.4#



#71
Phenanthrene
Concen: 6.160 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion:178 Resp: 82924
Ion Ratio Lower Upper
178 100
176 18.2 16.0 24.0
179 15.0 12.4 18.6





#74

Di-n-butylphthalate

Concen: 2.335 ng

RT: 11.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134138.D

Acq: 07 Jul 2023 15:15

Instrument :

BNA_F

ClientSampleId :

SRY-3

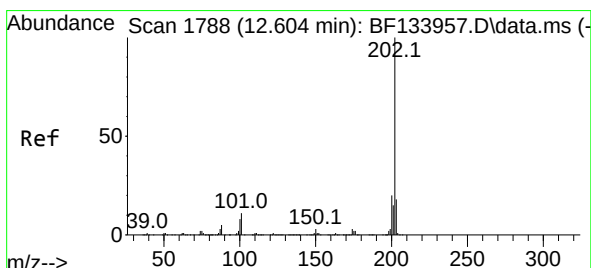
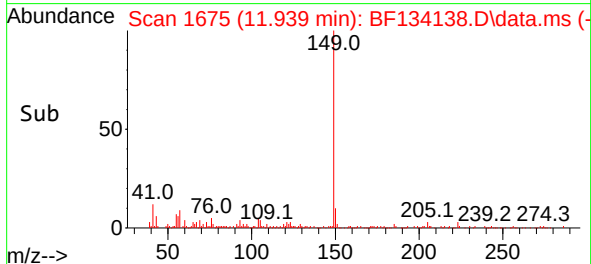
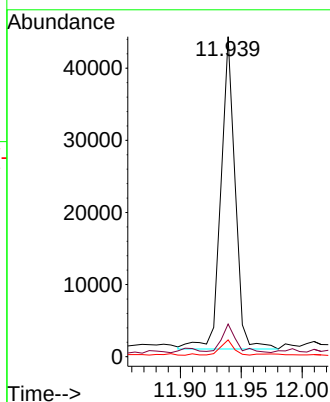
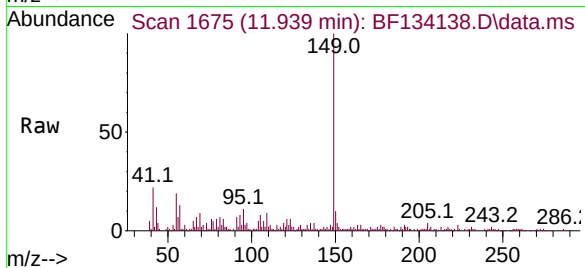
Tgt Ion:149 Resp: 35595

Ion Ratio Lower Upper

149 100

150 10.2 7.1 10.7

104 5.2 4.0 6.0



#75

Fluoranthene

Concen: 18.084 ng

RT: 12.598 min Scan# 1787

Delta R.T. -0.012 min

Lab File: BF134138.D

Acq: 07 Jul 2023 15:15

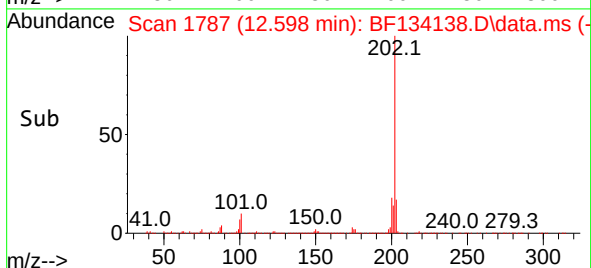
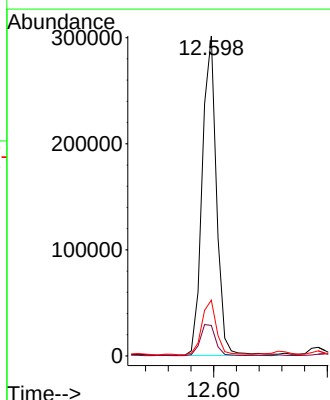
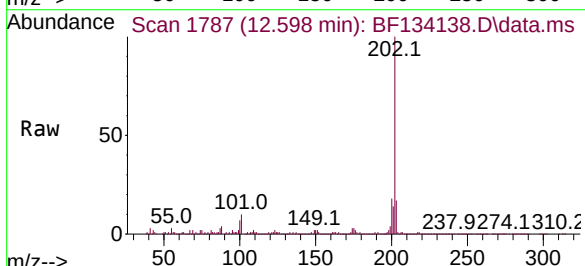
Tgt Ion:202 Resp: 263188

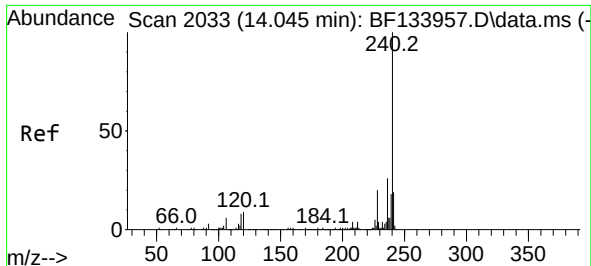
Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.0

203 17.4 0.0 37.6

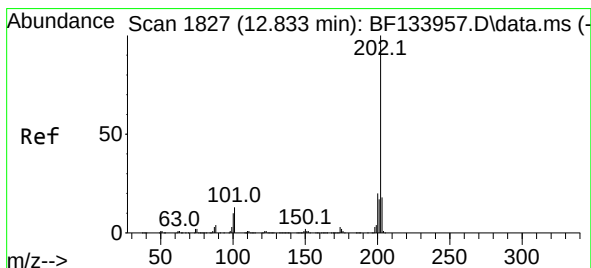
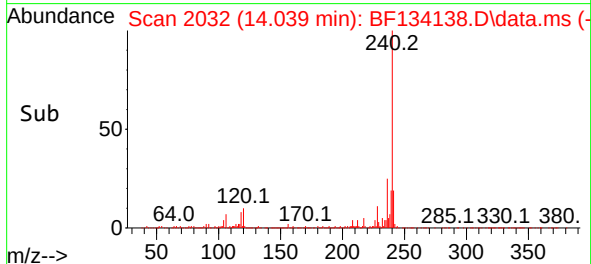
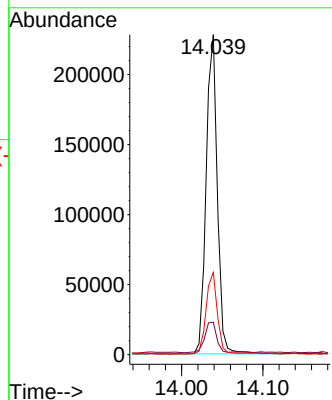
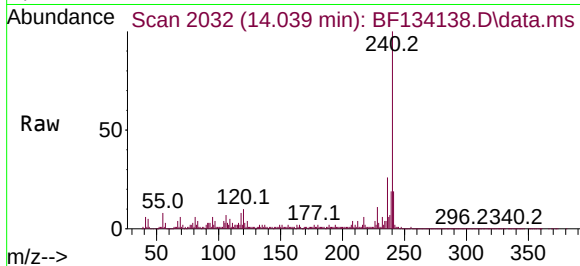




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

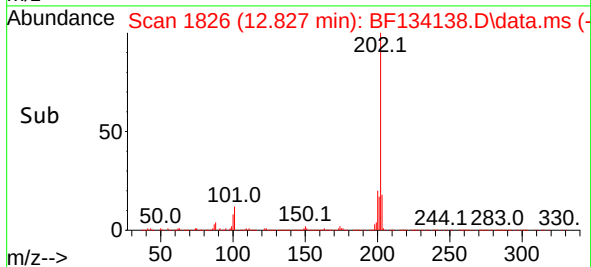
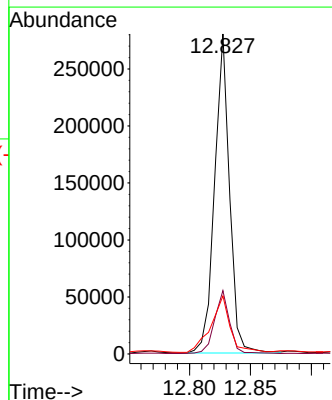
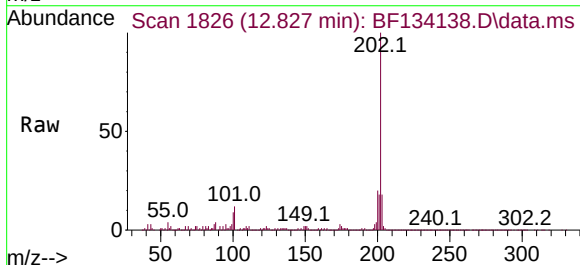
Instrument :
BNA_F
ClientSampleId :
SRY-3

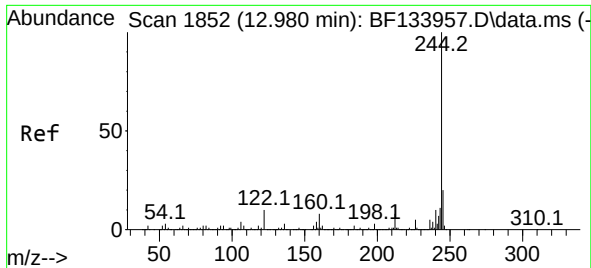
Tgt Ion:240 Resp: 217031
Ion Ratio Lower Upper
240 100
120 10.2 7.4 11.0
236 25.7 21.0 31.6



#78
Pyrene
Concen: 11.837 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion:202 Resp: 239072
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 18.2 14.3 21.5

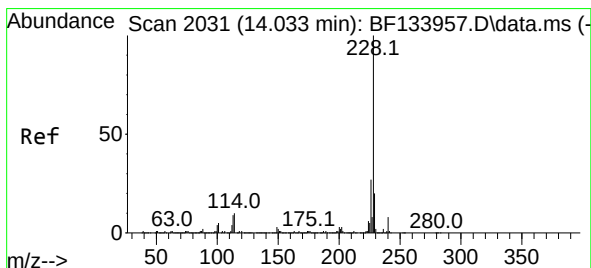
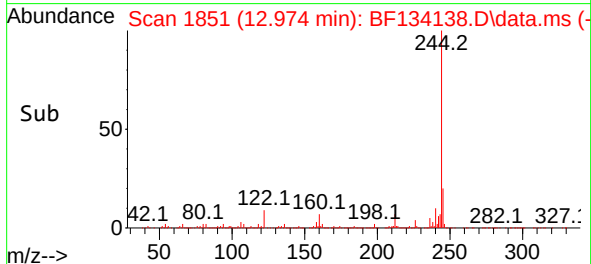
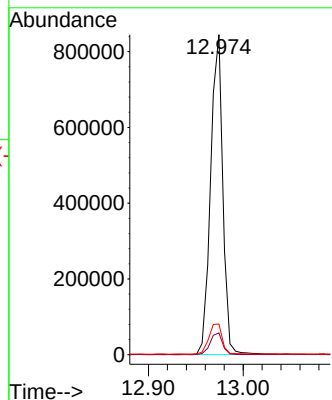
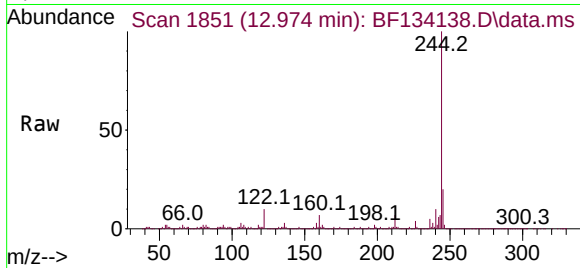




#79
 Terphenyl-d14
 Concen: 55.836 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134138.D
 Acq: 07 Jul 2023 15:15

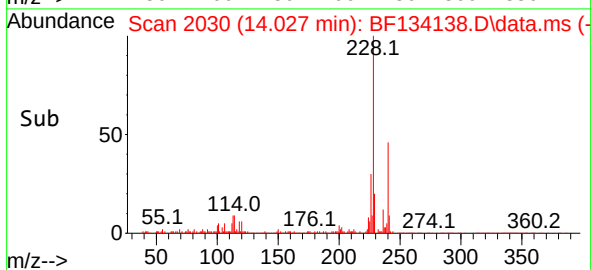
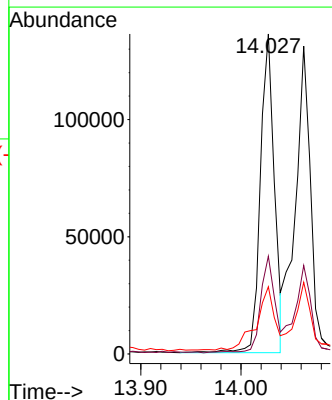
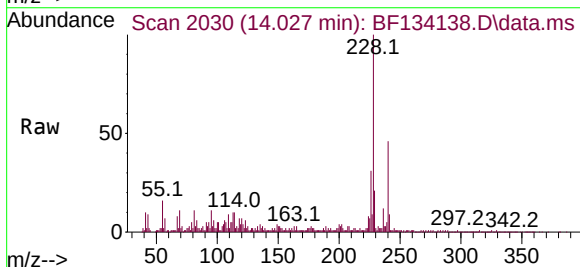
Instrument :
 BNA_F
 ClientSampleId :
 SRY-3

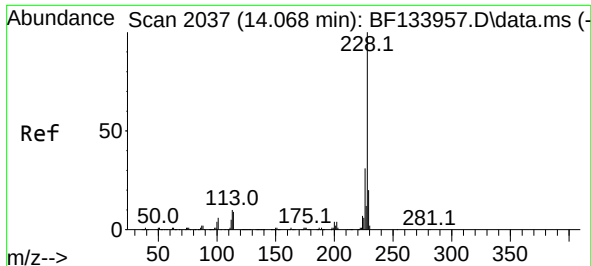
Tgt Ion:244 Resp: 752956
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 8.790 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134138.D
 Acq: 07 Jul 2023 15:15

Tgt Ion:228 Resp: 132308
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.0 33.0
 229 21.0 16.3 24.5

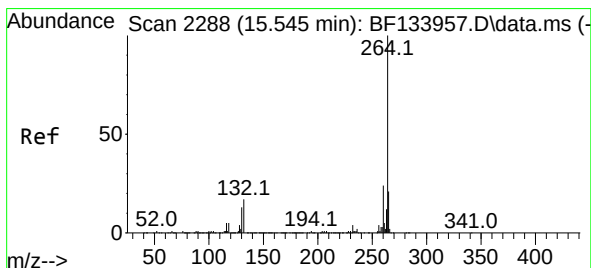
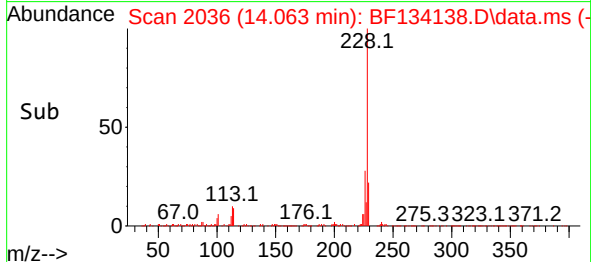
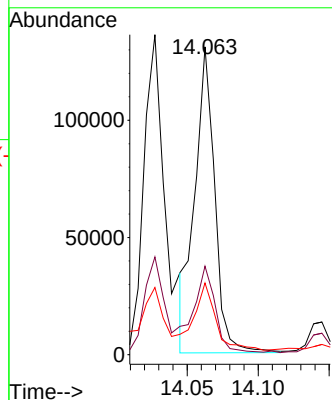
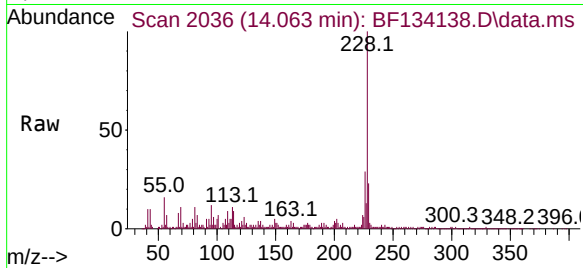




#83
Chrysene
Concen: 8.746 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

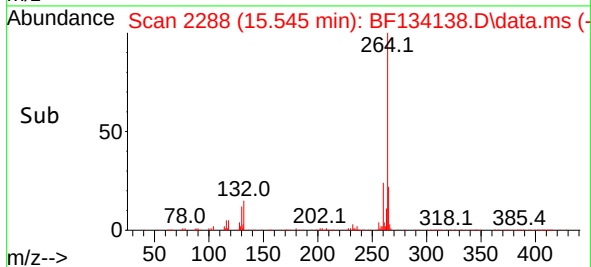
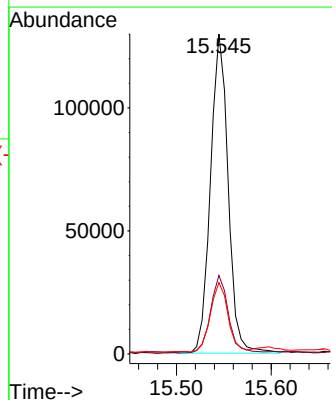
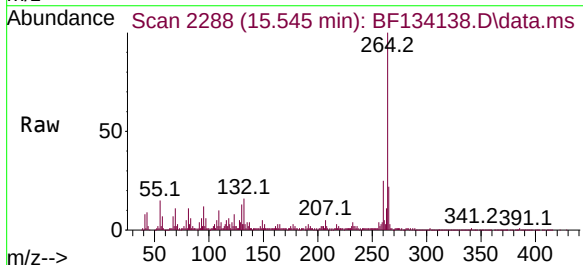
Instrument :
BNA_F
ClientSampleId :
SRY-3

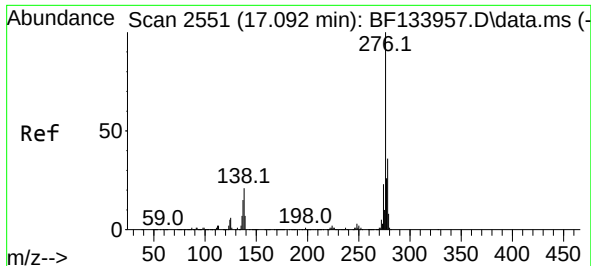
Tgt Ion:228 Resp: 127508
Ion Ratio Lower Upper
228 100
226 28.8 24.4 36.6
229 23.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion:264 Resp: 167817
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.3 16.6 25.0

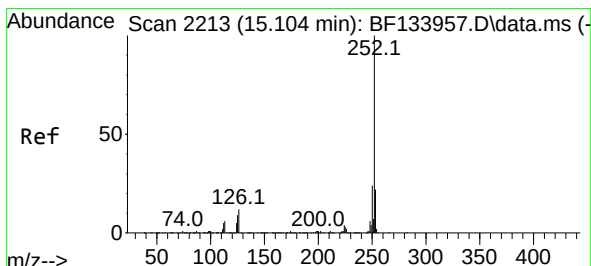
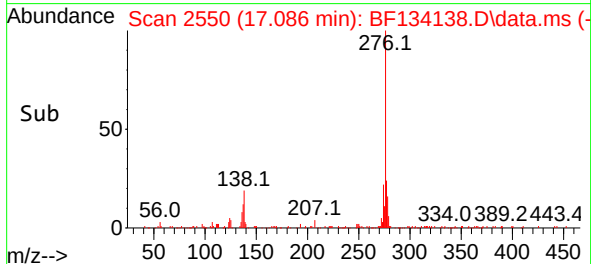
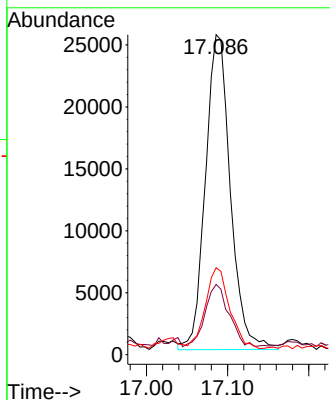
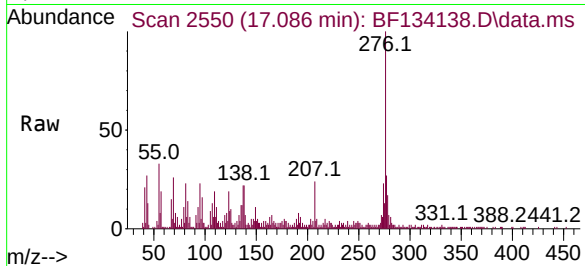




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.678 ng
 RT: 17.086 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF134138.D
 Acq: 07 Jul 2023 15:15

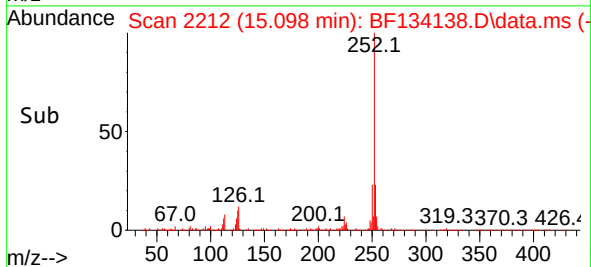
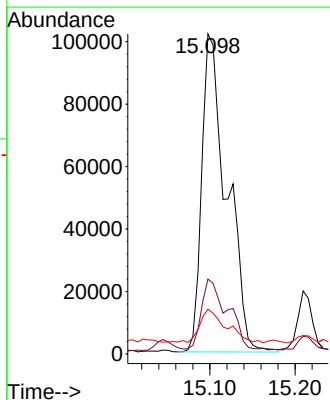
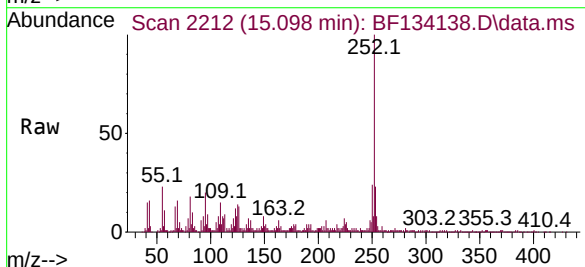
Instrument :
 BNA_F
 ClientSampleId :
 SRY-3

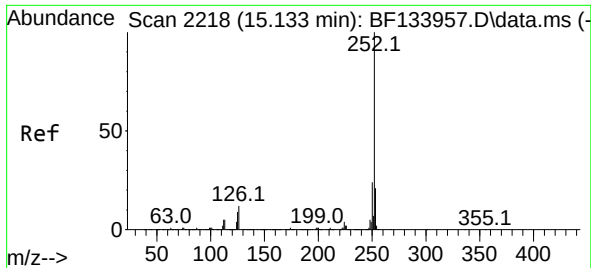
Tgt Ion:276 Resp: 54479
 Ion Ratio Lower Upper
 276 100
 138 18.7 18.7 28.1#
 277 24.6 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 21.042 ng
 RT: 15.098 min Scan# 2212
 Delta R.T. -0.012 min
 Lab File: BF134138.D
 Acq: 07 Jul 2023 15:15

Tgt Ion:252 Resp: 207638
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.4 26.0
 125 14.0 7.1 10.7#

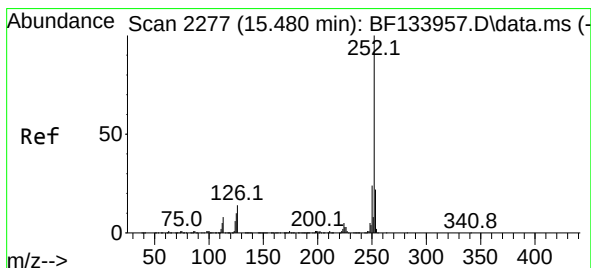
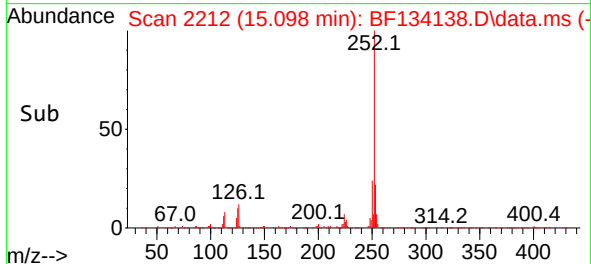
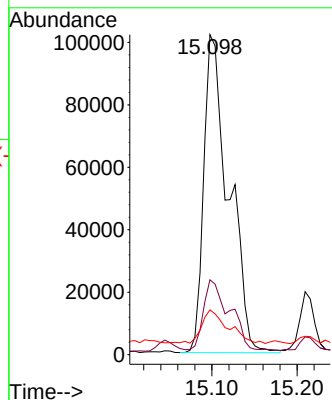
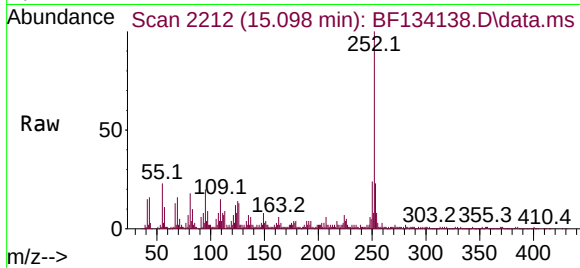




#89
Benzo(k)fluoranthene
Concen: 20.667 ng
RT: 15.098 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

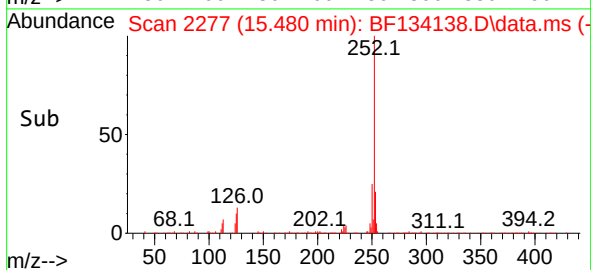
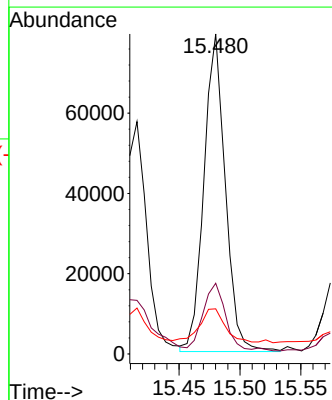
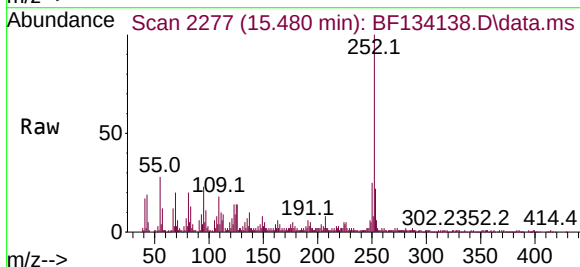
Instrument :
BNA_F
ClientSampleId :
SRY-3

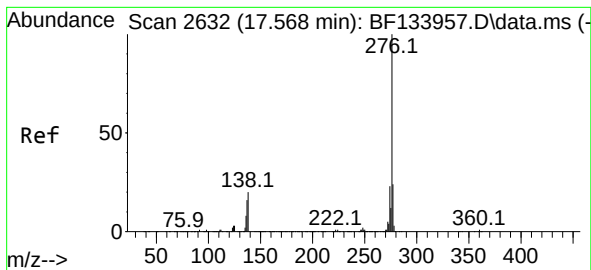
Tgt Ion:252 Resp: 207638
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 14.0 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 10.150 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BF134138.D
Acq: 07 Jul 2023 15:15

Tgt Ion:252 Resp: 96851
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 14.1 8.4 12.6#





#92

Benzo(g,h,i)perylene

Concen: 6.421 ng

RT: 17.562 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF134138.D

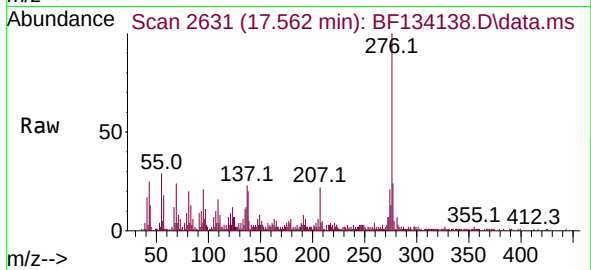
Acq: 07 Jul 2023 15:15

Instrument :

BNA_F

ClientSampleId :

SRY-3



Tgt Ion:276 Resp: 62985

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 20.2 16.2 24.2

