

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136923.D
 Acq On : 03 Jan 2024 23:28
 Operator : CG\JU
 Sample : 05898-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-17

Quant Time: Jan 04 03:43:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

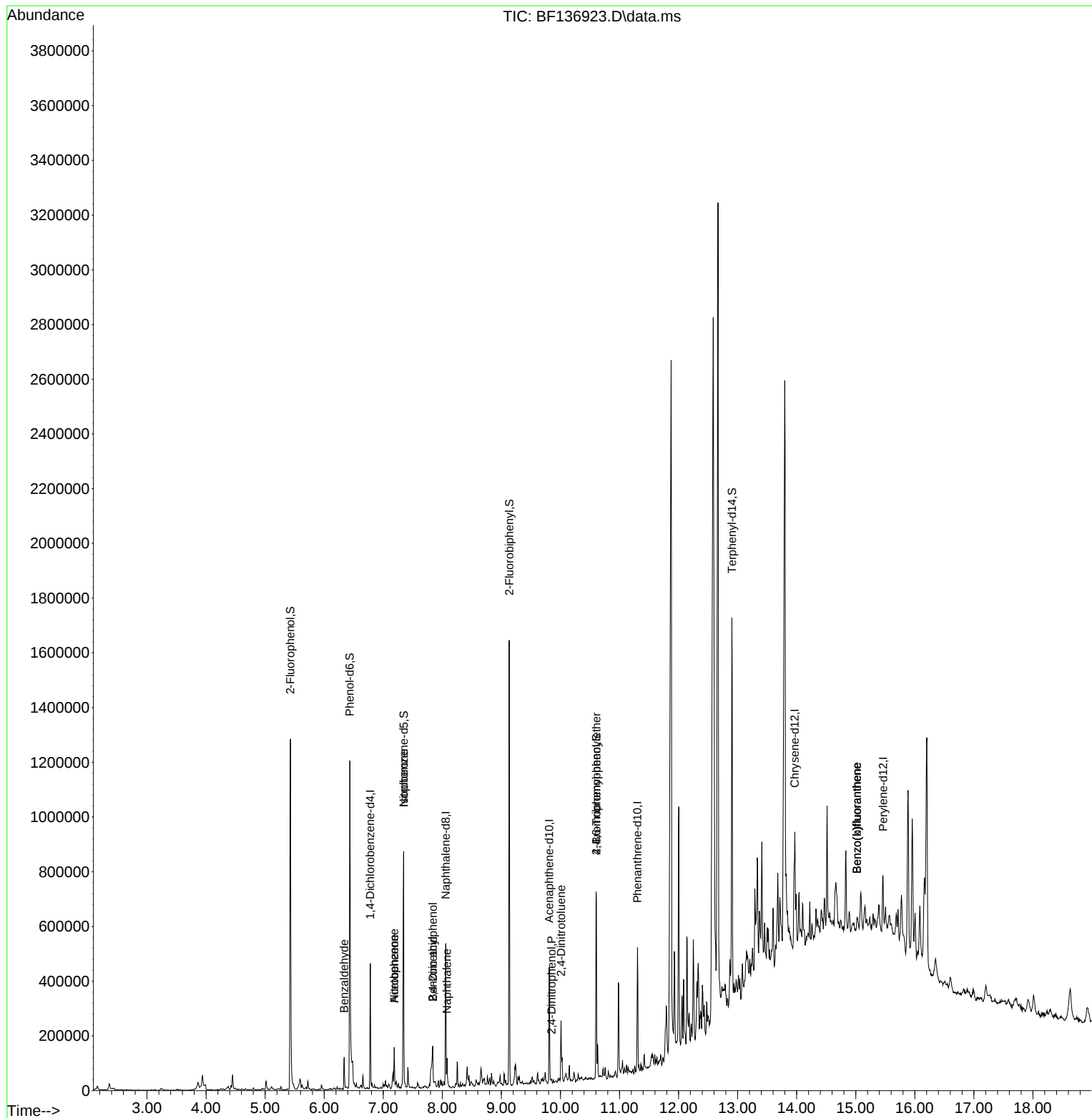
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	58258	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	197863	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	82375	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	152400	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	119209	20.000	ng	0.00
86) Perylene-d12	15.463	264	84467	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	362161	96.995	ng	0.00
7) Phenol-d6	6.434	99	408868	84.510	ng	0.00
23) Nitrobenzene-d5	7.345	82	242171	62.630	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	90719	93.510	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	443688	72.444	ng	-0.02
79) Terphenyl-d14	12.904	244	498009	58.381	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.340	77	25547	9.283	ng	97
22) Acetophenone	7.187	105	37241	7.509	ng	# 86
24) Nitrobenzene	7.187	77	27864	7.194	ng	# 40
25) Isophorone	7.345	82	242167	34.419	ng	# 65
27) 2,4-Dimethylphenol	7.839	122	36454	16.157	ng	# 5
31) Naphthalene	8.081	128	37841	3.481	ng	98
32) Benzoic acid	7.839	122	36454	16.699	ng	88
54) 2,4-Dinitrophenol	9.851	184	173	3.953	ng	# 4
57) 2,4-Dinitrotoluene	10.010	165	35806	20.198	ng	92
67) 4-Bromophenyl-phenylether	10.610	248	5524	3.264	ng	# 1
88) Benzo(b)fluoranthene	15.021	252	11353	2.012	ng	# 38
89) Benzo(k)fluoranthene	15.021	252	11353	2.130	ng	# 38

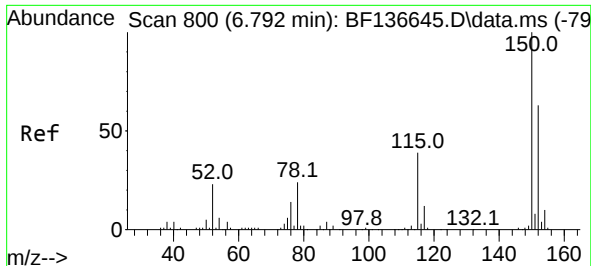
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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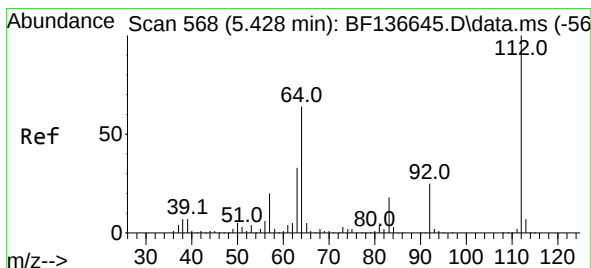
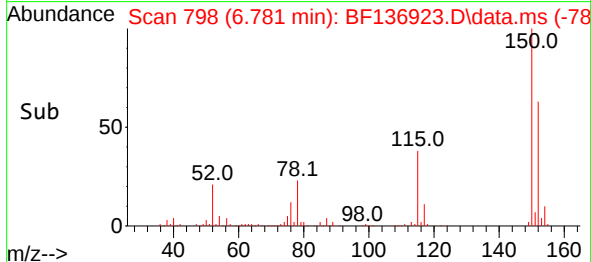
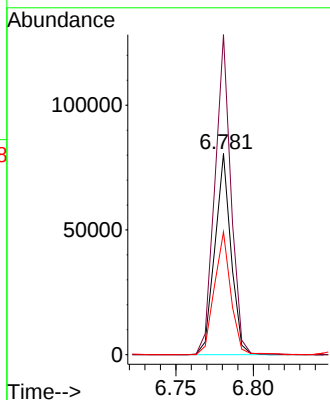
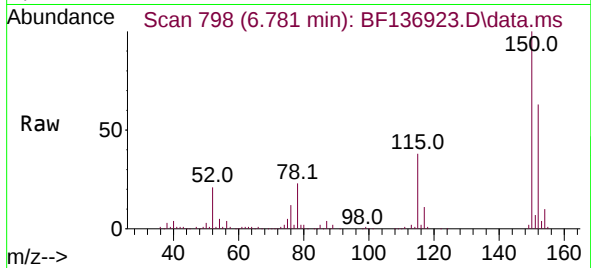




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

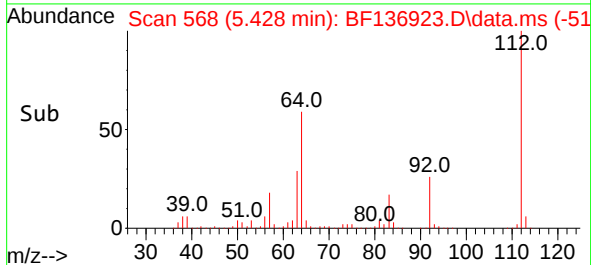
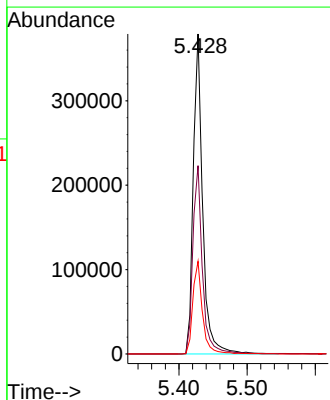
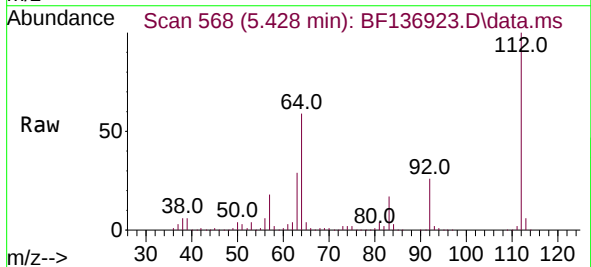
Instrument :
BNA_F
ClientSampleId :
GHL-SS-17

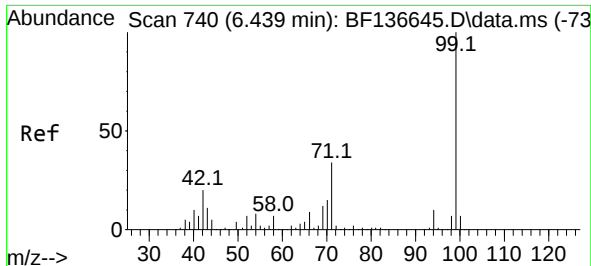
Tgt Ion:152 Resp: 58258
Ion Ratio Lower Upper
152 100
150 159.1 127.0 190.6
115 61.0 49.0 73.4



#5
2-Fluorophenol
Concen: 96.995 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

Tgt Ion:112 Resp: 362161
Ion Ratio Lower Upper
112 100
64 58.9 51.1 76.7
63 29.0 26.1 39.1





#7

Phenol-d6

Concen: 84.510 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-17

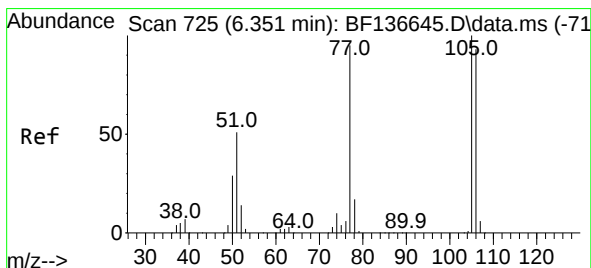
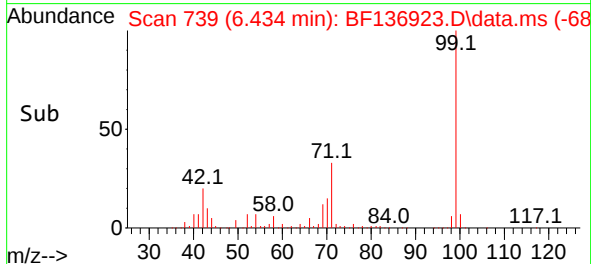
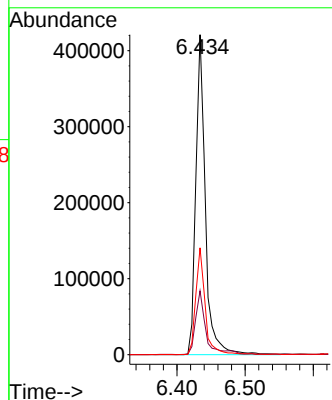
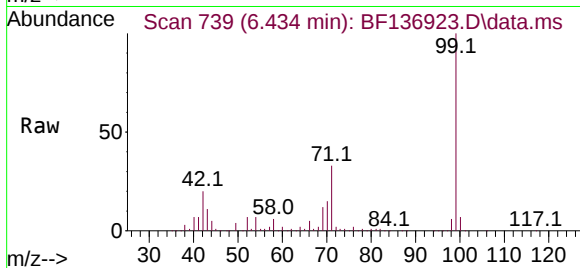
Tgt Ion: 99 Resp: 408868

Ion Ratio Lower Upper

99 100

42 19.9 16.1 24.1

71 33.4 27.4 41.2



#9

Benzaldehyde

Concen: 9.283 ng

RT: 6.340 min Scan# 723

Delta R.T. -0.012 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

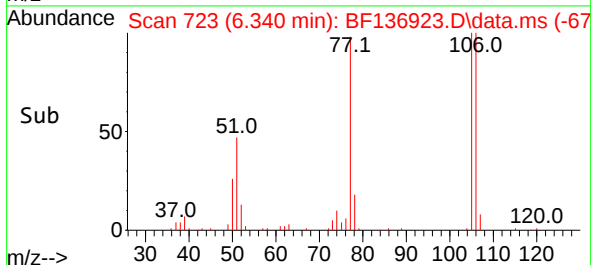
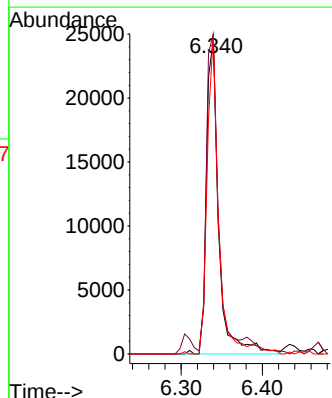
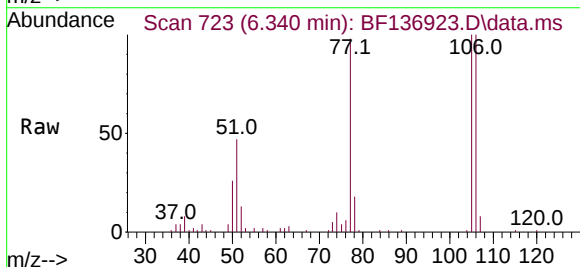
Tgt Ion: 77 Resp: 25547

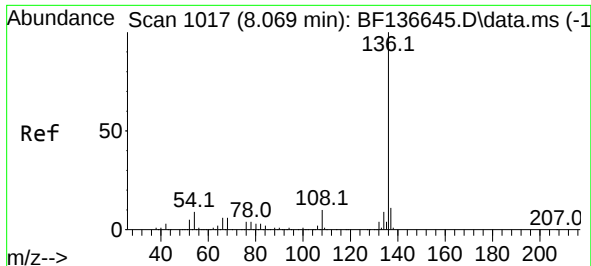
Ion Ratio Lower Upper

77 100

105 101.7 84.8 124.8

106 101.4 77.8 117.8



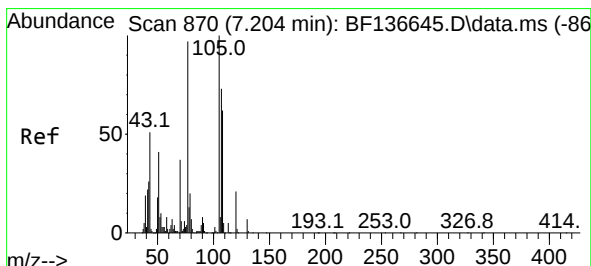
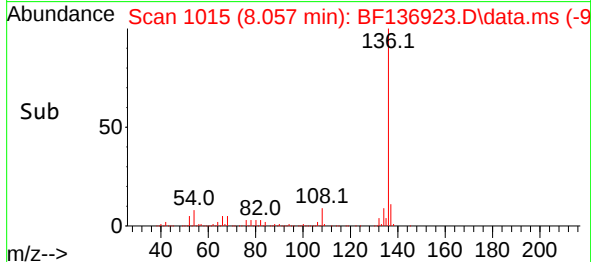
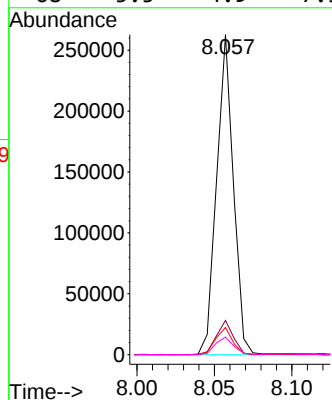
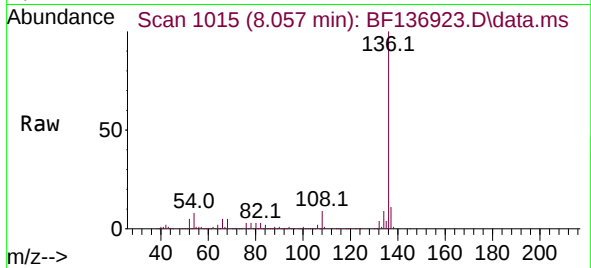


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

Instrument :
BNA_F
ClientSampleId :
GHL-SS-17

Tgt Ion:136 Resp: 197863

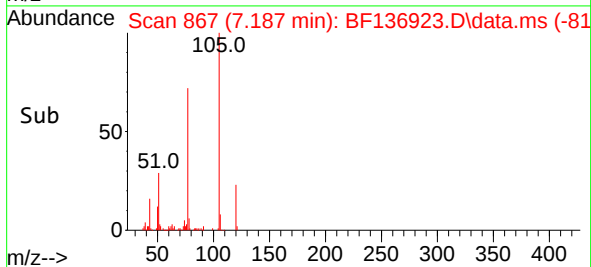
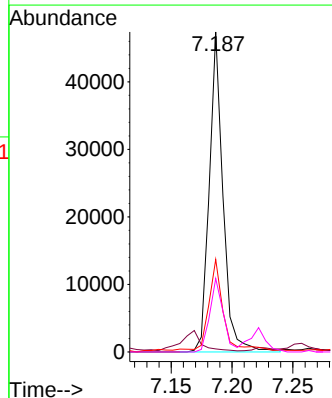
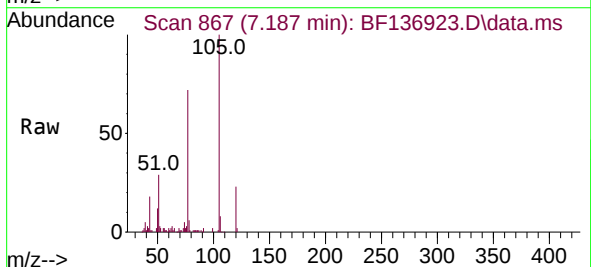
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	8.5	7.2	10.8
68	5.5	4.9	7.3

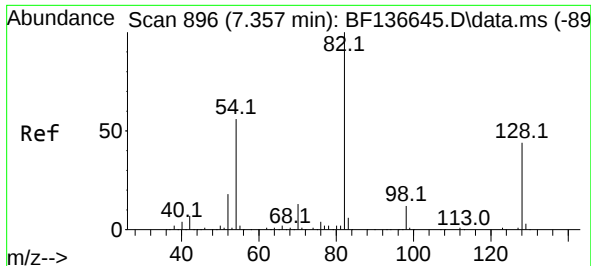


#22
Acetophenone
Concen: 7.509 ng
RT: 7.187 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

Tgt Ion:105 Resp: 37241

Ion	Ratio	Lower	Upper
105	100		
71	0.9	4.8	7.2#
51	28.9	32.8	49.2#
120	22.9	17.0	25.6





#23

Nitrobenzene-d5

Concen: 62.630 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-17

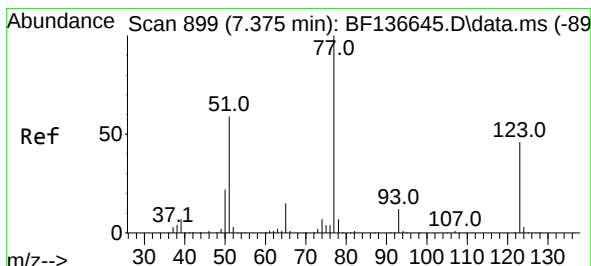
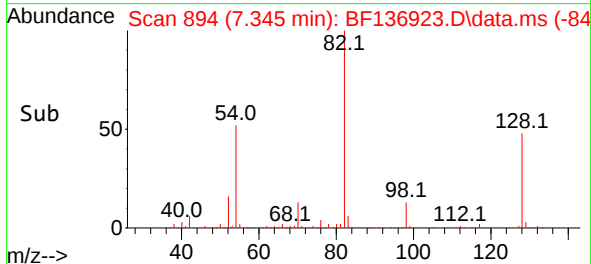
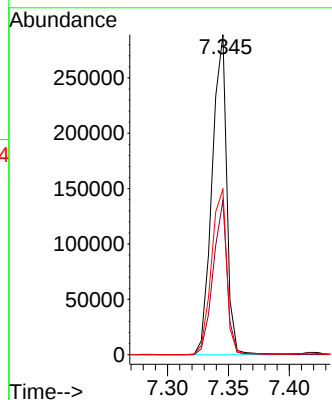
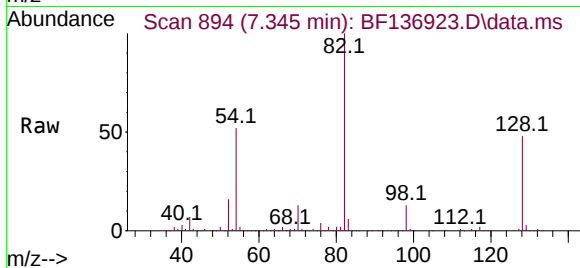
Tgt Ion: 82 Resp: 242171

Ion Ratio Lower Upper

82 100

128 48.2 35.3 52.9

54 51.6 44.5 66.7



#24

Nitrobenzene

Concen: 7.194 ng

RT: 7.187 min Scan# 867

Delta R.T. -0.188 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

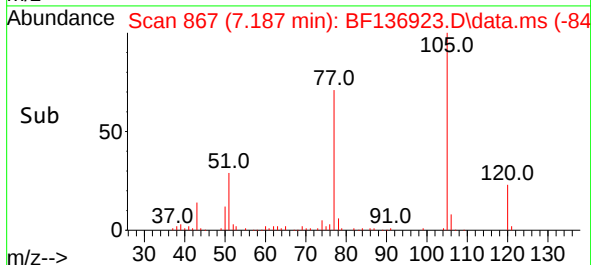
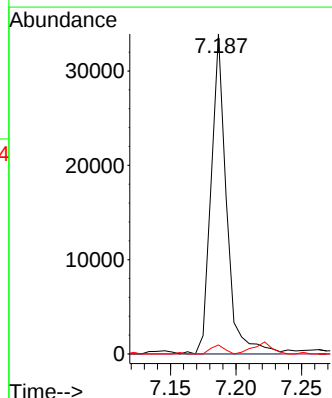
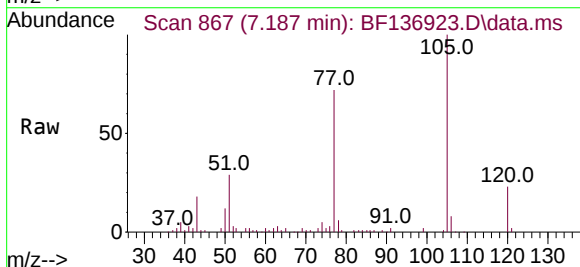
Tgt Ion: 77 Resp: 27864

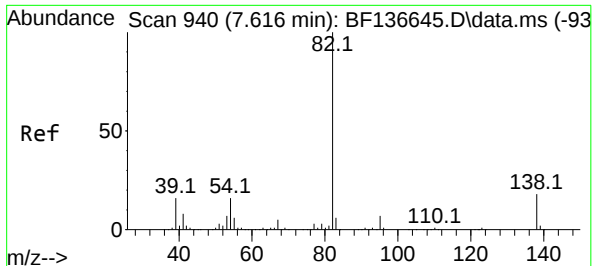
Ion Ratio Lower Upper

77 100

123 0.0 36.7 55.1#

65 2.8 11.8 17.6#

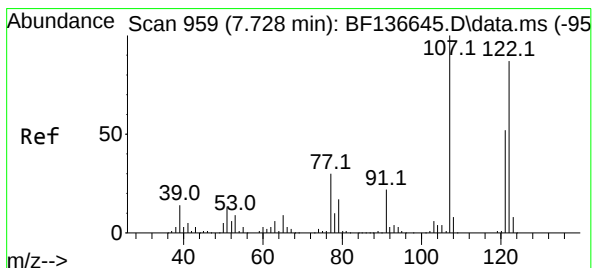
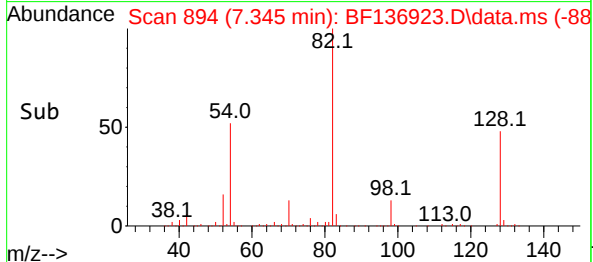
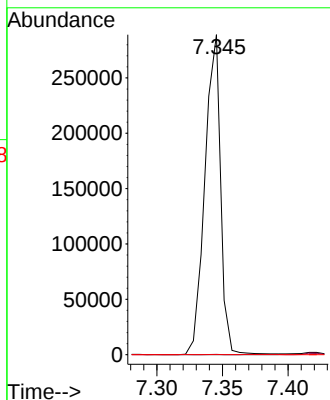
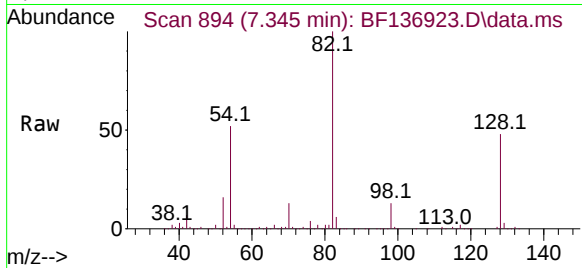




#25
Isophorone
Concen: 34.419 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

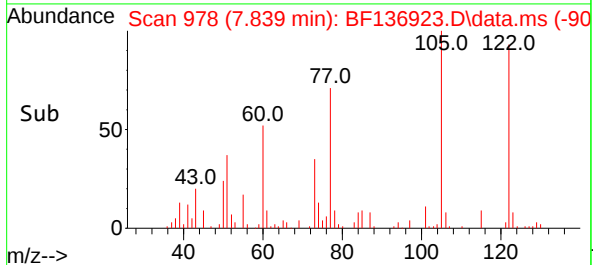
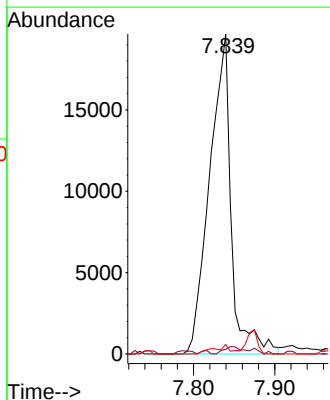
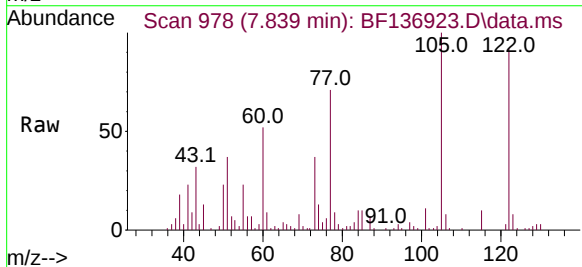
Instrument :
BNA_F
ClientSampleId :
GHL-SS-17

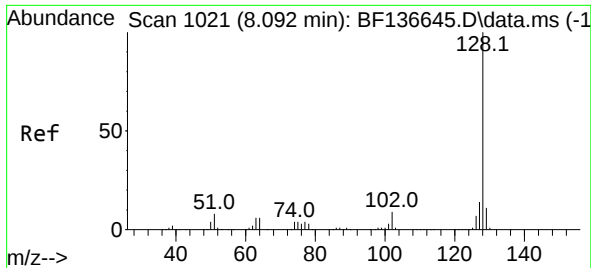
Tgt Ion: 82 Resp: 242167
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#27
2,4-Dimethylphenol
Concen: 16.157 ng
RT: 7.839 min Scan# 978
Delta R.T. 0.112 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

Tgt Ion:122 Resp: 36454
Ion Ratio Lower Upper
122 100
107 1.5 92.0 138.0#
121 3.0 47.5 71.3#

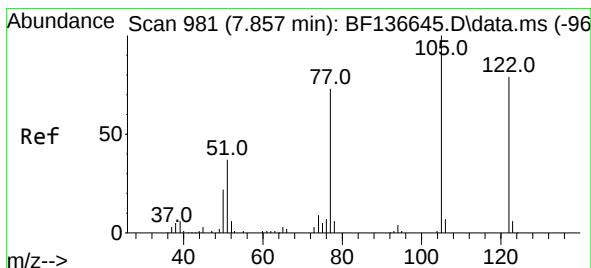
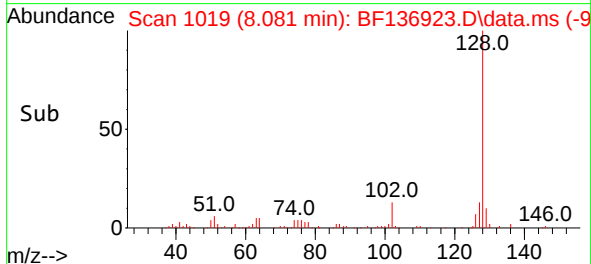
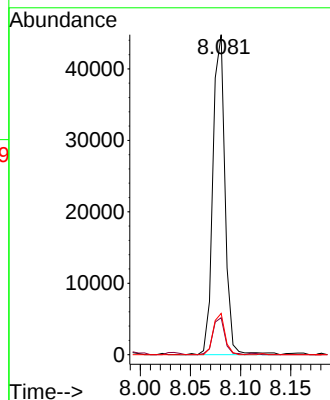
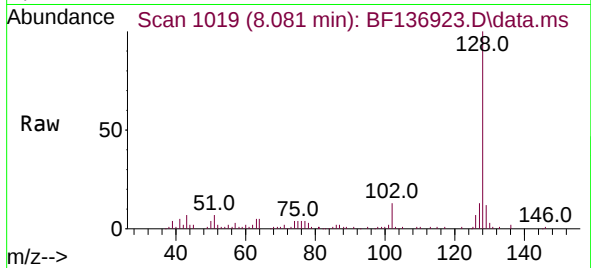




#31
Naphthalene
Concen: 3.481 ng
RT: 8.081 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

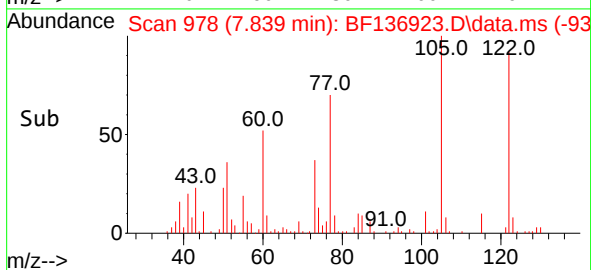
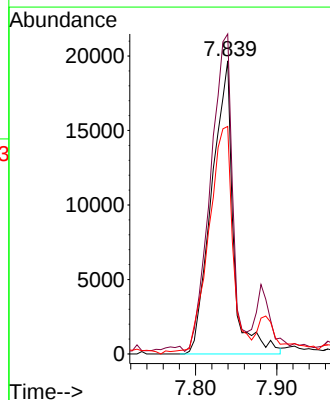
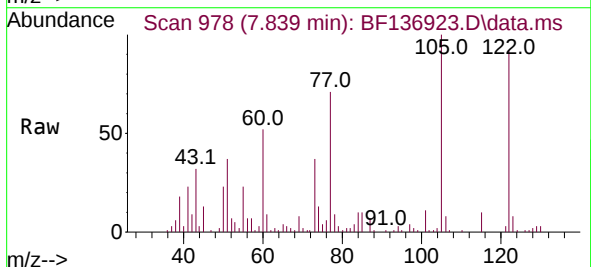
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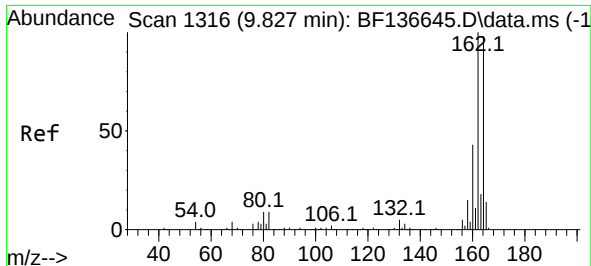
Tgt Ion:128 Resp: 37841
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 12.9 10.8 16.2



#32
Benzoic acid
Concen: 16.699 ng
RT: 7.839 min Scan# 978
Delta R.T. -0.018 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

Tgt Ion:122 Resp: 36454
Ion Ratio Lower Upper
122 100
105 109.2 100.8 140.8
77 77.6 70.9 110.9

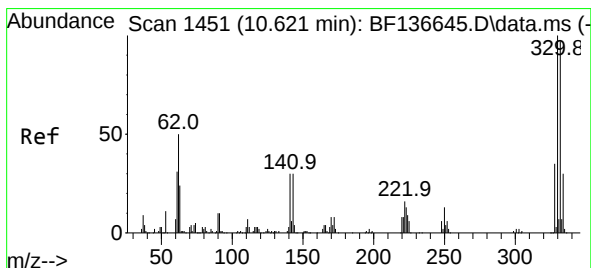
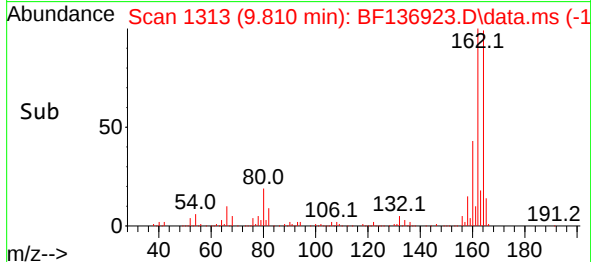
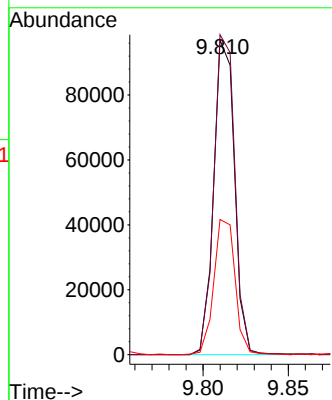
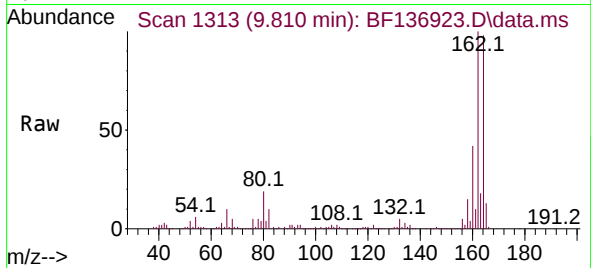




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

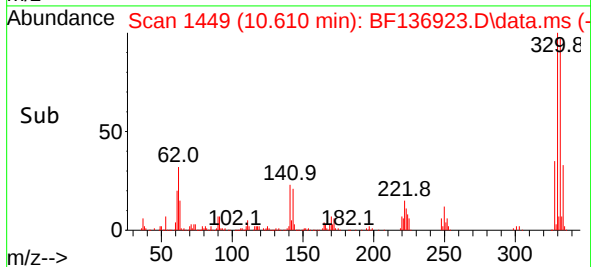
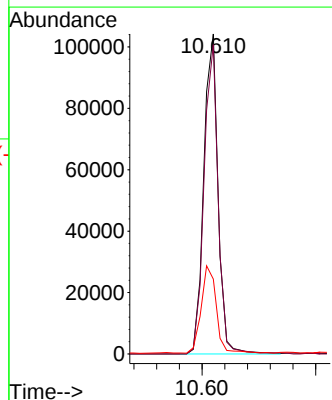
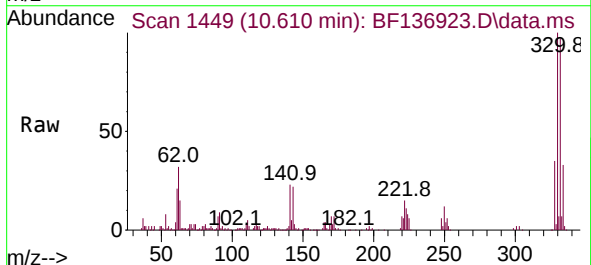
Instrument :
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GHL-SS-17

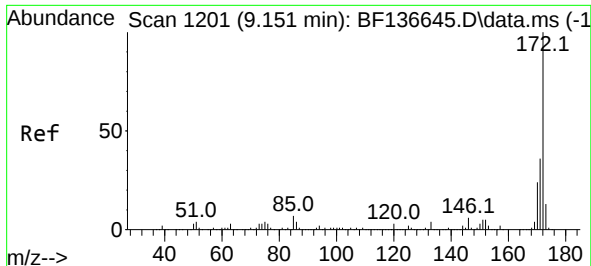
Tgt Ion:164 Resp: 82375
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 43.0 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 93.510 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

Tgt Ion:330 Resp: 90719
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 29.0 23.4 35.2

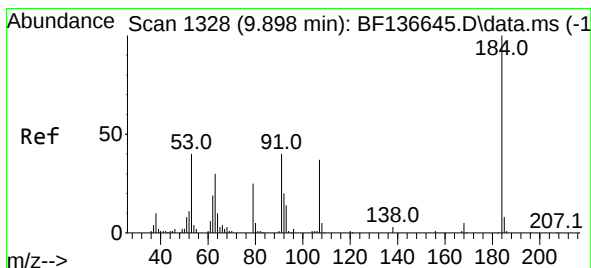
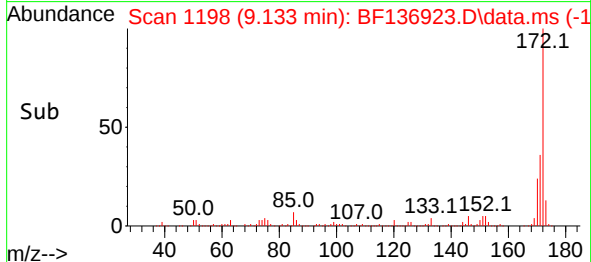
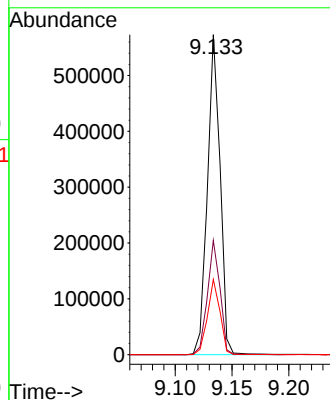
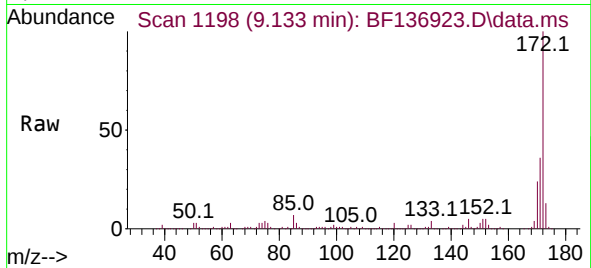




#45
2-Fluorobiphenyl
Concen: 72.444 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

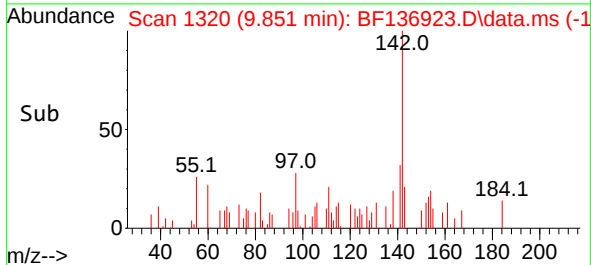
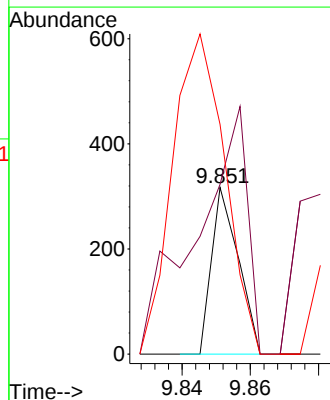
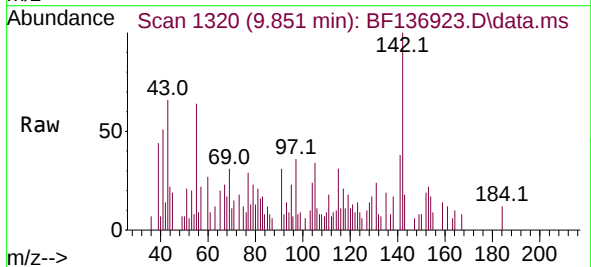
Instrument :
BNA_F
ClientSampleId :
GHL-SS-17

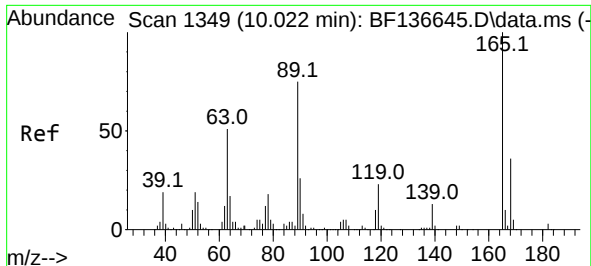
Tgt Ion:172 Resp: 443688
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 23.5 19.0 28.4



#54
2,4-Dinitrophenol
Concen: 3.953 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.047 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

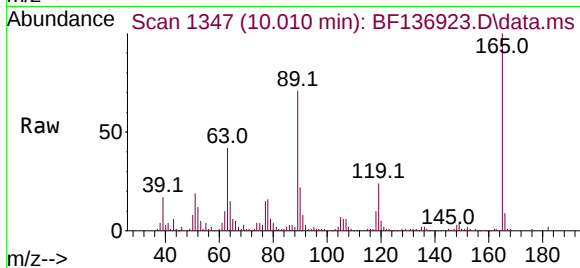
Tgt Ion:184 Resp: 173
Ion Ratio Lower Upper
184 100
63 101.9 40.9 61.3#
154 137.9 42.7 64.1#



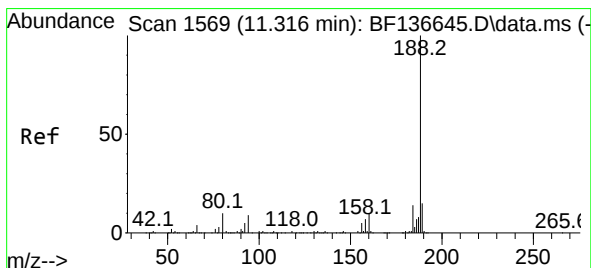
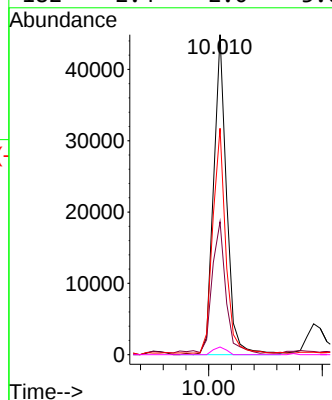
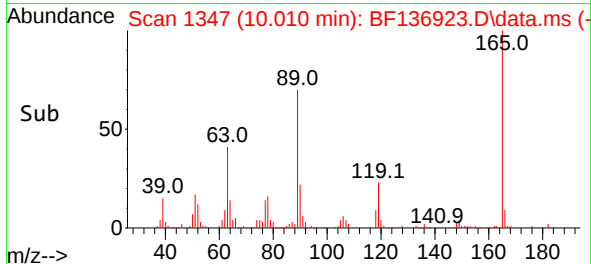


#57
2,4-Dinitrotoluene
Concen: 20.198 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

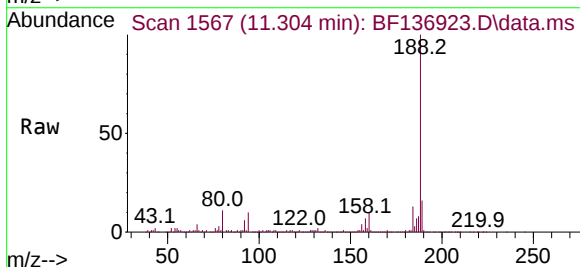
Instrument :
BNA_F
ClientSampleId :
GHL-SS-17



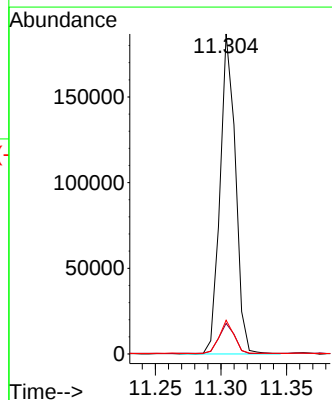
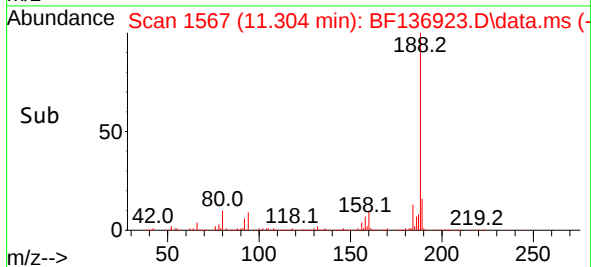
Tgt Ion:165 Resp: 35806
Ion Ratio Lower Upper
165 100
63 41.6 41.0 61.6
89 70.7 59.9 89.9
182 2.4 2.0 3.0

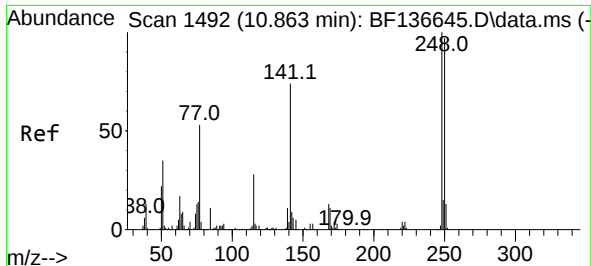


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28



Tgt Ion:188 Resp: 152400
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.5 8.1 12.1

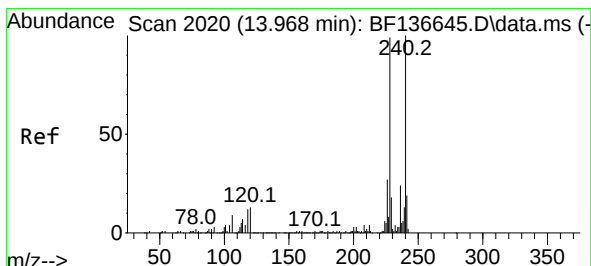
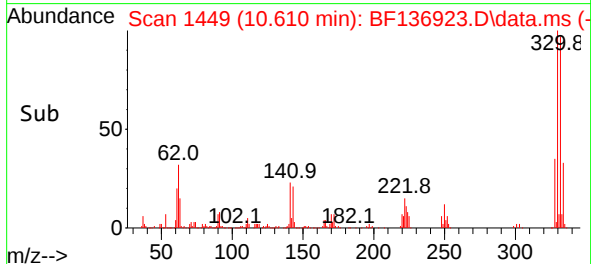
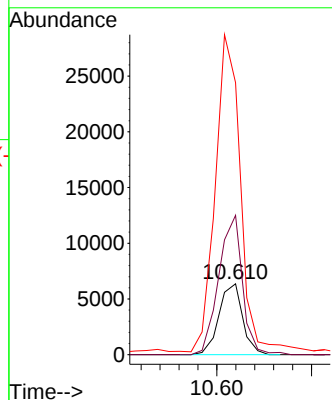
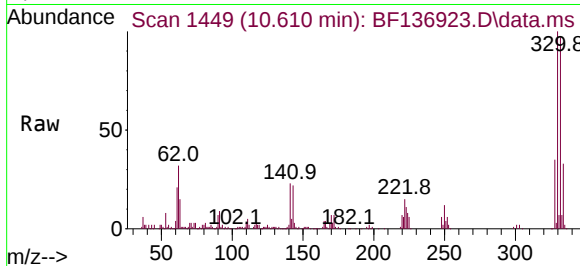




#67
4-Bromophenyl-phenylether
Concen: 3.264 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

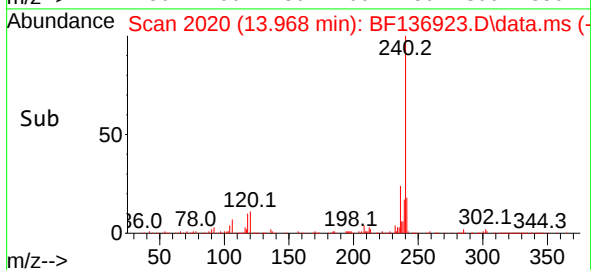
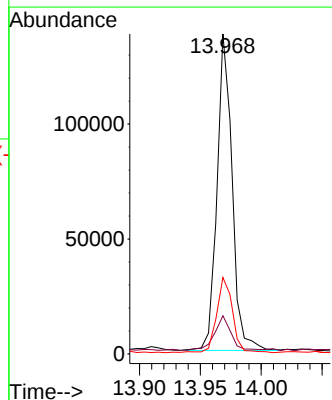
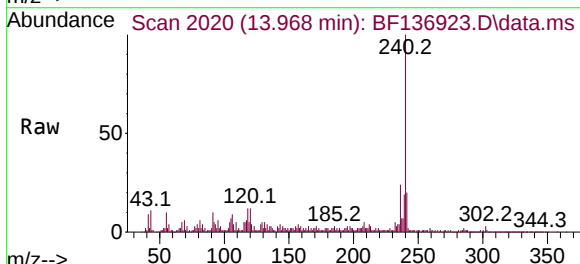
Instrument :
BNA_F
ClientSampleId :
GHL-SS-17

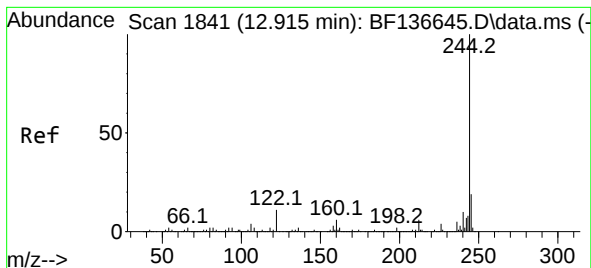
Tgt Ion:248 Resp: 5524
Ion Ratio Lower Upper
248 100
250 196.7 77.8 116.6#
141 383.7 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136923.D
Acq: 03 Jan 2024 23:28

Tgt Ion:240 Resp: 119209
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 23.9 19.4 29.2





#79

Terphenyl-d14

Concen: 58.381 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-17

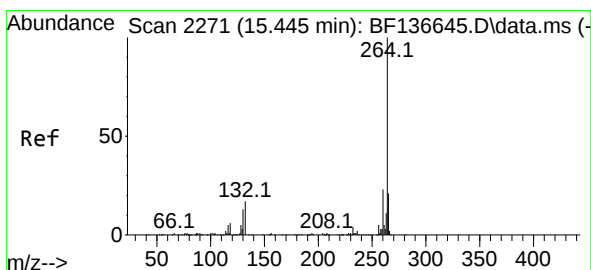
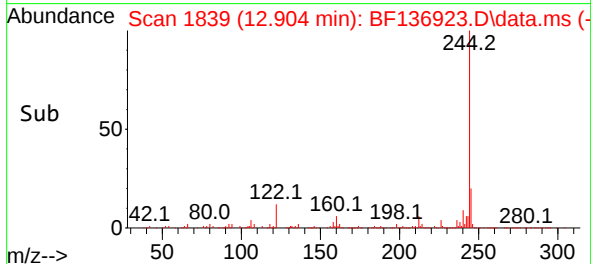
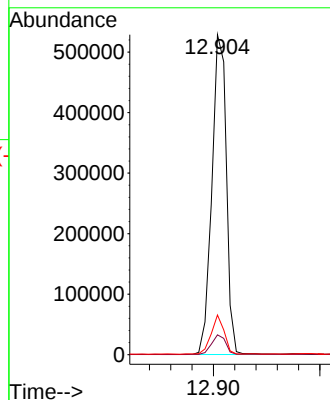
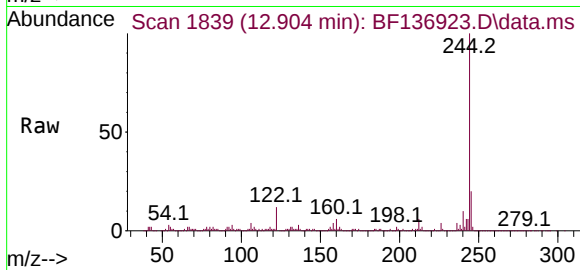
Tgt Ion:244 Resp: 498009

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 12.4 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

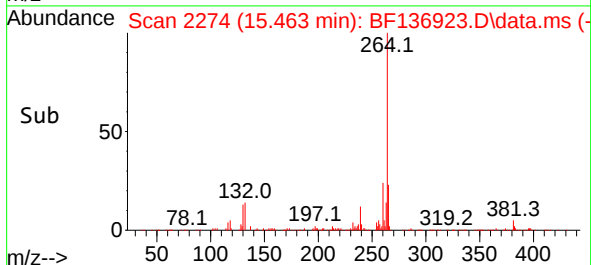
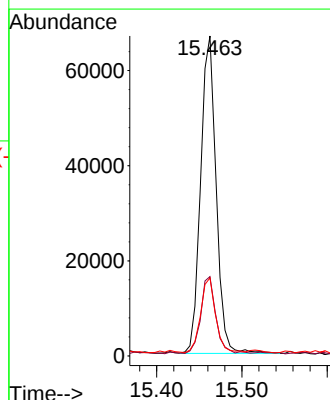
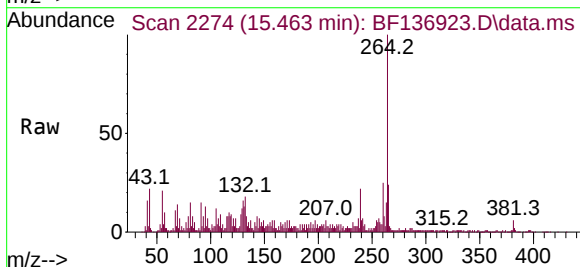
Tgt Ion:264 Resp: 84467

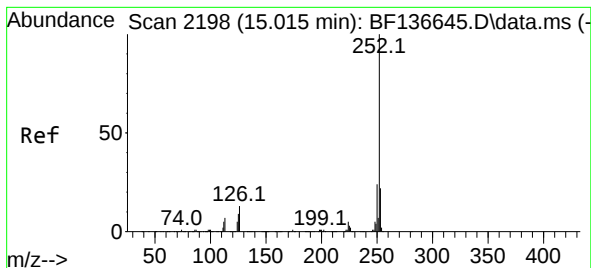
Ion Ratio Lower Upper

264 100

260 24.8 18.3 27.5

265 24.4 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.012 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-17

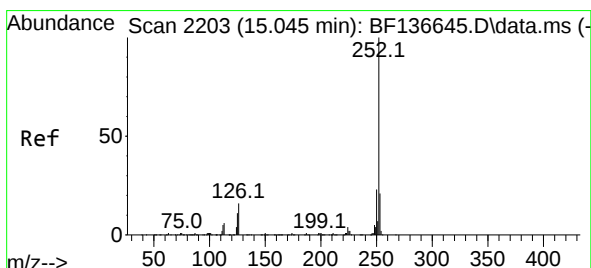
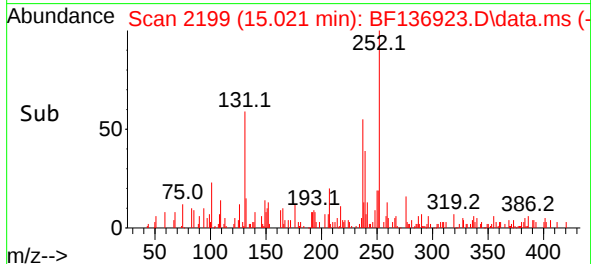
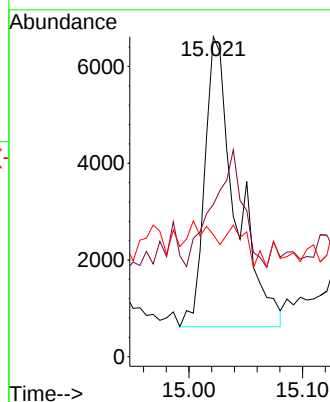
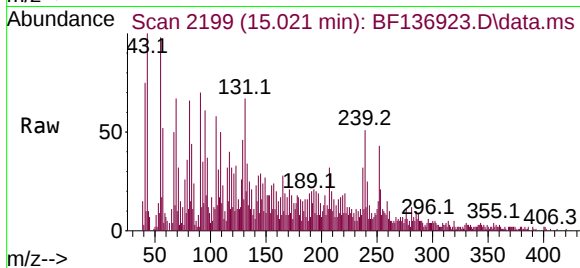
Tgt Ion:252 Resp: 11353

Ion Ratio Lower Upper

252 100

253 47.5 17.4 26.0#

125 38.1 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.130 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF136923.D

Acq: 03 Jan 2024 23:28

Tgt Ion:252 Resp: 11353

Ion Ratio Lower Upper

252 100

253 47.5 17.0 25.6#

125 38.1 8.2 12.4#

