

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF139001.D
 Acq On : 14 Aug 2024 18:46
 Operator : RC/JU
 Sample : P3549-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080924

Quant Time: Aug 14 19:24:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

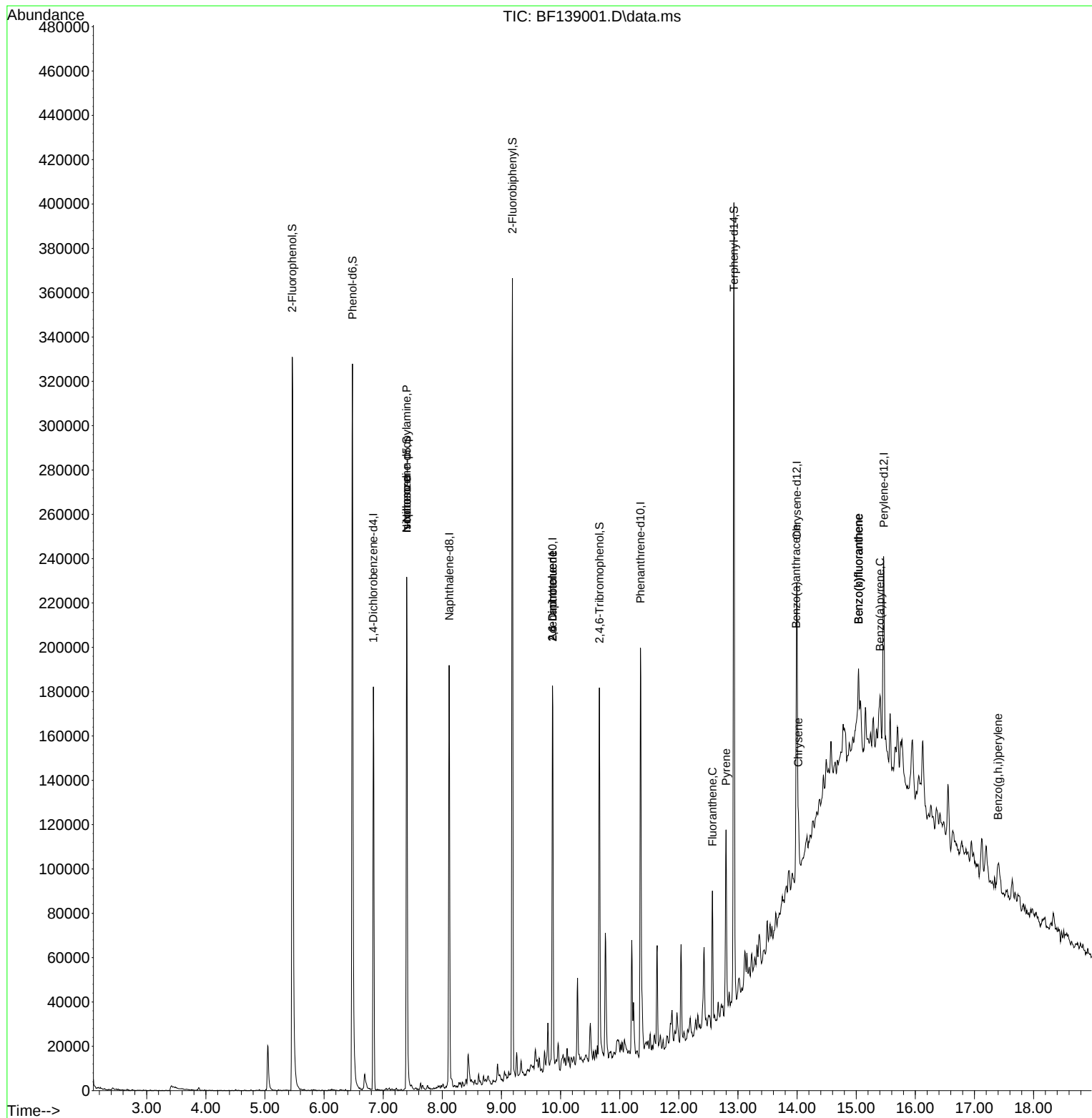
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	32959	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	111041	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	48665	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	90475	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	53005	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	44467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	126071	59.046	ng	0.00
7) Phenol-d6	6.481	99	153346	53.493	ng	0.00
23) Nitrobenzene-d5	7.398	82	97800	43.061	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	22347	56.059	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	143611	44.339	ng	-0.02
79) Terphenyl-d14	12.933	244	156920	49.566	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	13609	7.860	ng	# 81
25) Isophorone	7.398	82	97800	25.218	ng	# 66
51) 2,6-Dinitrotoluene	9.863	165	6903	9.830	ng	# 19
57) 2,4-Dinitrotoluene	9.863	165	6903	7.705	ng	# 16
75) Fluoranthene	12.569	202	30590	7.033	ng	98
78) Pyrene	12.798	202	30577	6.127	ng	99
81) Benzo(a)anthracene	13.986	228	13873	3.801	ng	# 86
83) Chrysene	14.021	228	13369	4.060	ng	# 84
88) Benzo(b)fluoranthene	15.039	252	19650	7.129	ng	# 64
89) Benzo(k)fluoranthene	15.039	252	19650	8.233	ng	# 63
90) Benzo(a)pyrene	15.404	252	10709	4.619	ng	# 81
92) Benzo(g,h,i)perylene	17.398	276	6297	2.320	ng	# 80

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

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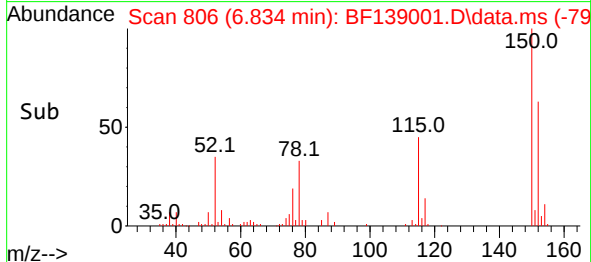
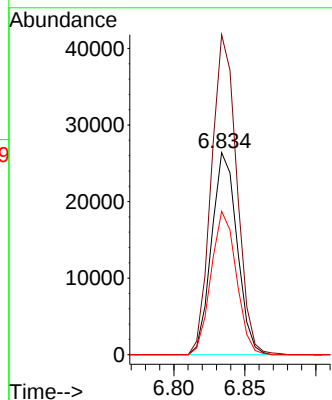
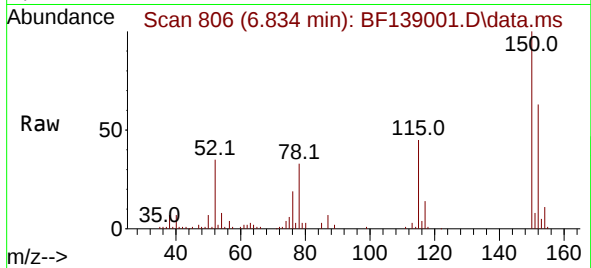




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

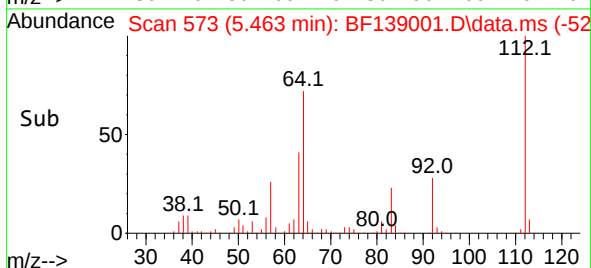
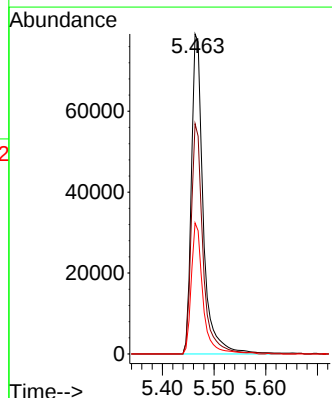
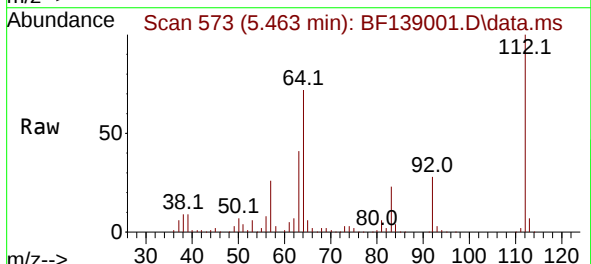
Instrument :
BNA_F
ClientSampleId :
SU-04-080924

Tgt Ion:152 Resp: 32959
Ion Ratio Lower Upper
152 100
150 158.3 126.0 189.0
115 70.9 51.7 77.5



#5
2-Fluorophenol
Concen: 59.046 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion:112 Resp: 126071
Ion Ratio Lower Upper
112 100
64 71.9 54.2 81.4
63 40.9 28.7 43.1

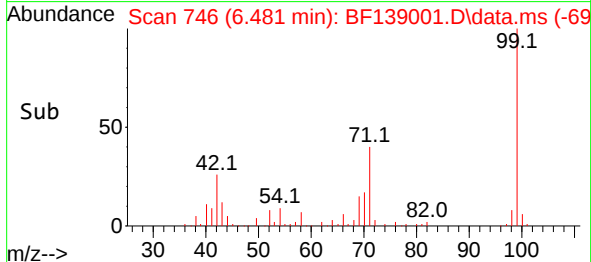
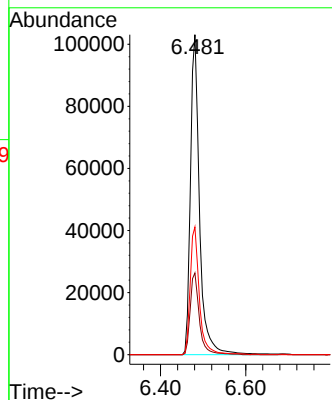
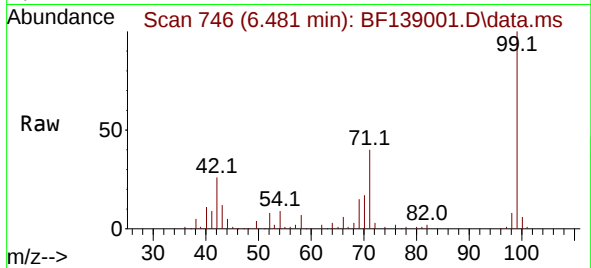




#7
Phenol-d6
Concen: 53.493 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

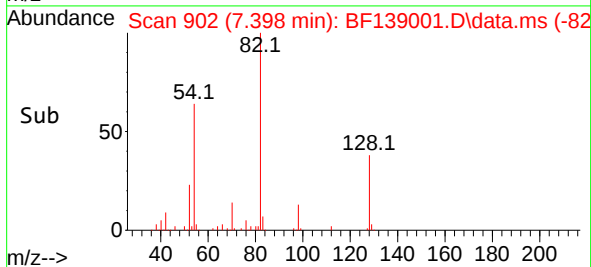
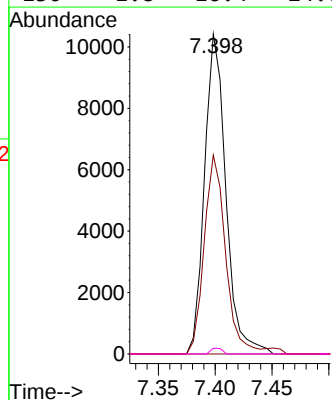
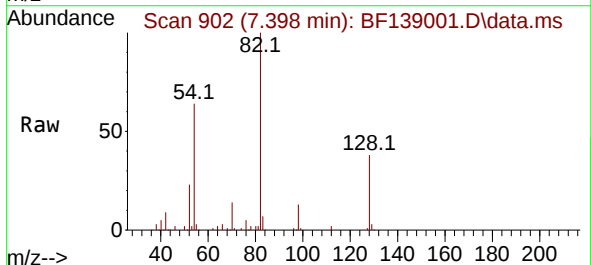
Instrument :
BNA_F
ClientSampleId :
SU-04-080924

Tgt Ion: 99 Resp: 153346
Ion Ratio Lower Upper
99 100
42 25.6 17.4 26.0
71 39.9 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 7.860 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion: 70 Resp: 13609
Ion Ratio Lower Upper
70 100
42 62.2 57.4 86.0
101 0.0 7.5 11.3#
130 1.8 16.4 24.6#

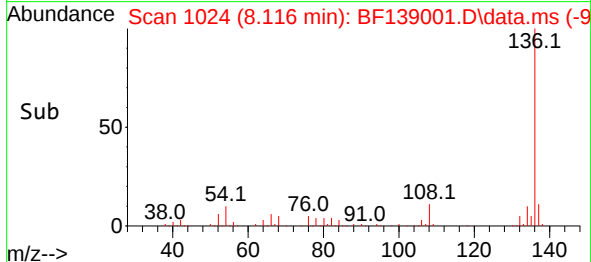
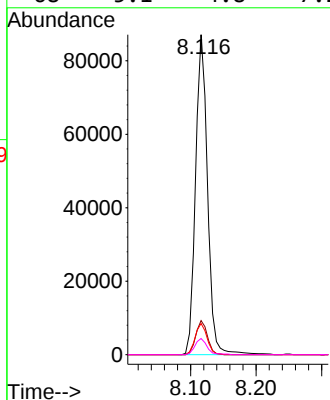
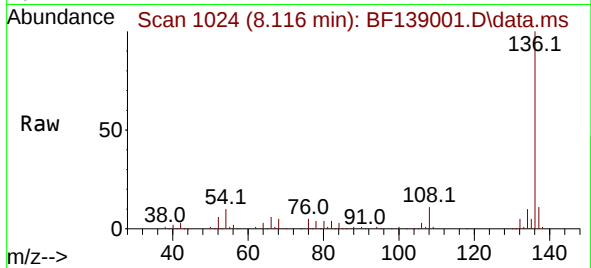




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 11041
Delta R.T. -0.012 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

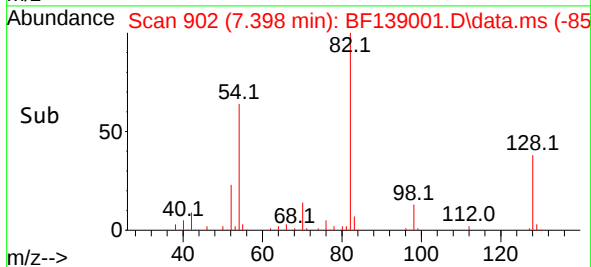
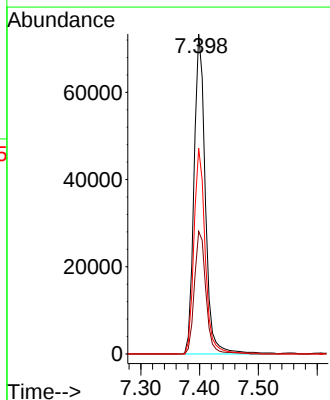
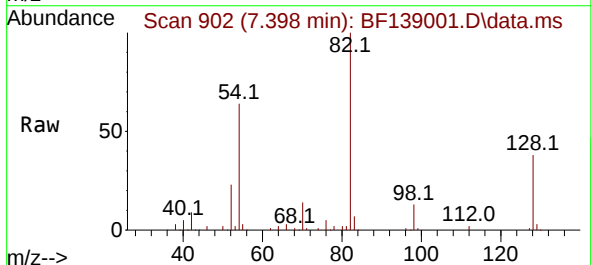
Instrument :
BNA_F
ClientSampleId :
SU-04-080924

Tgt Ion:136	Resp: 111041
Ion Ratio	Lower Upper
136	100
137	10.7 8.9 13.3
54	9.7 8.6 12.8
68	5.1 4.8 7.2



#23
Nitrobenzene-d5
Concen: 43.061 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion: 82	Resp: 97800
Ion Ratio	Lower Upper
82	100
128	38.3 32.8 49.2
54	64.3 48.3 72.5

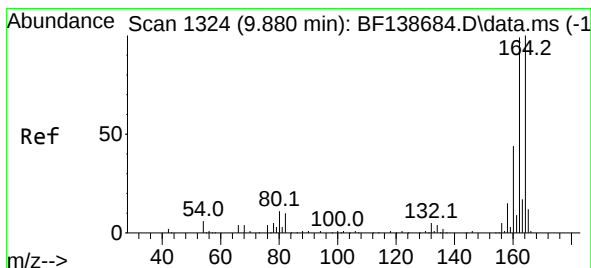
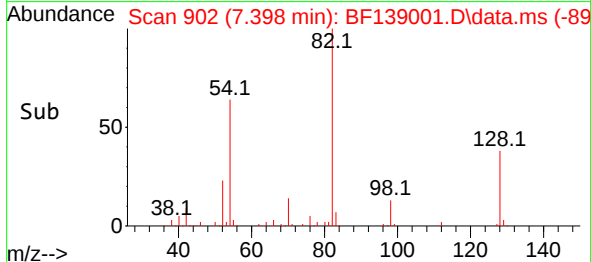
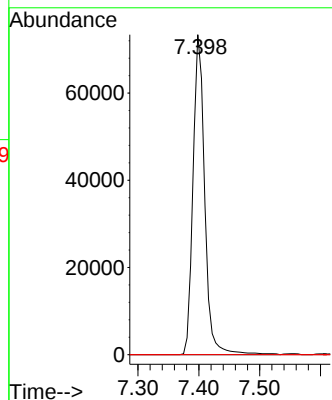
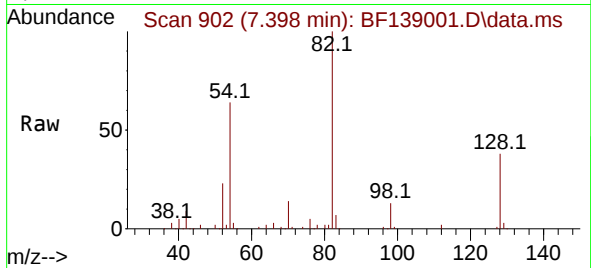




#25
Isophorone
Concen: 25.218 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

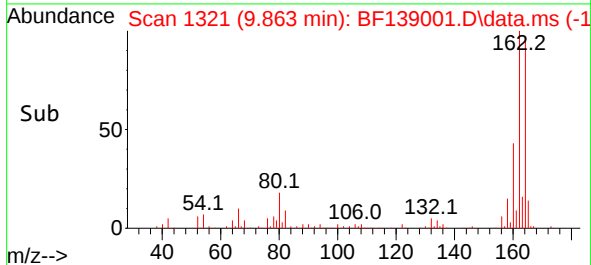
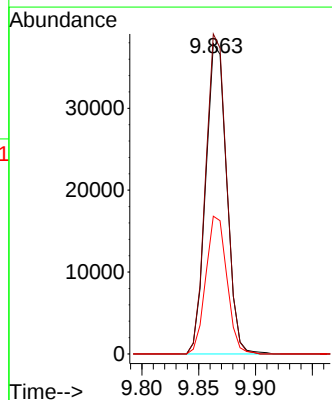
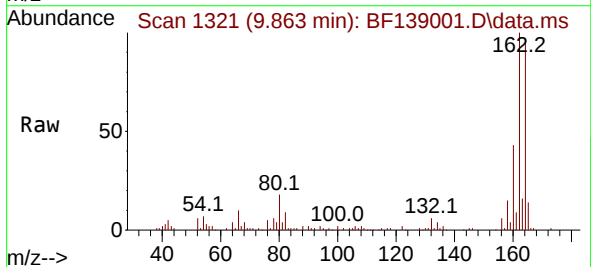
Instrument :
BNA_F
ClientSampleId :
SU-04-080924

Tgt Ion: 82 Resp: 97800
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion:164 Resp: 48665
Ion Ratio Lower Upper
164 100
162 103.1 79.4 119.0
160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 56.059 ng

RT: 10.657 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF139001.D

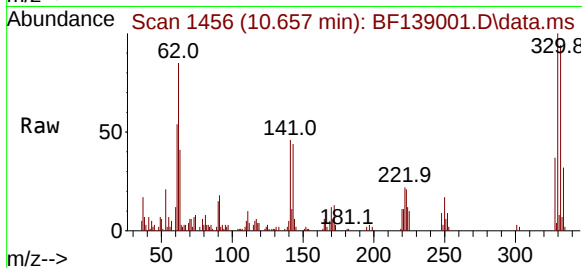
Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924



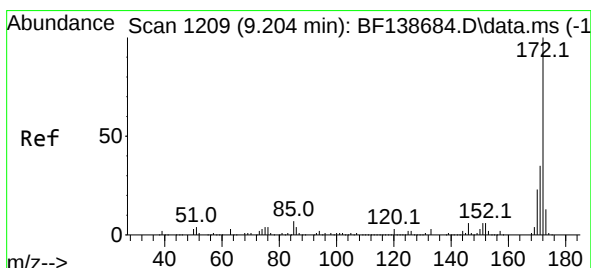
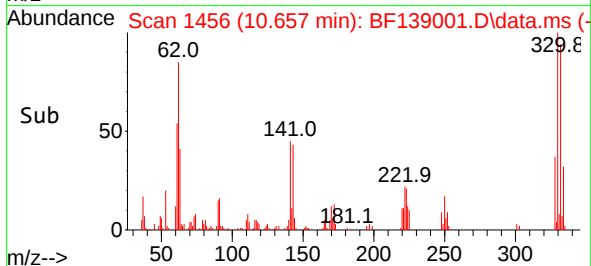
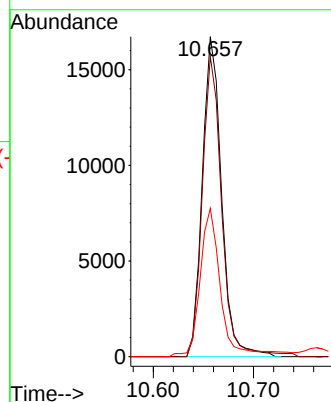
Tgt Ion:330 Resp: 22347

Ion Ratio Lower Upper

330 100

332 94.6 76.4 114.6

141 50.2 31.1 46.7#



#45

2-Fluorobiphenyl

Concen: 44.339 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

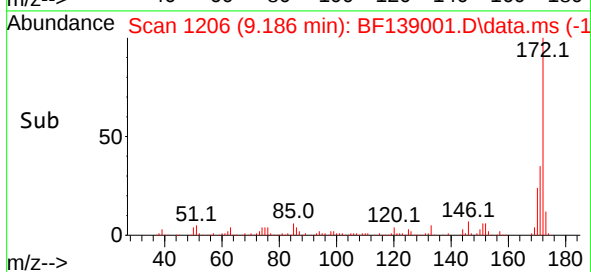
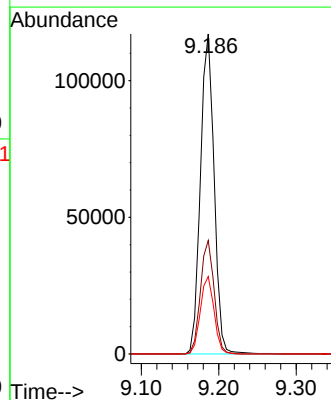
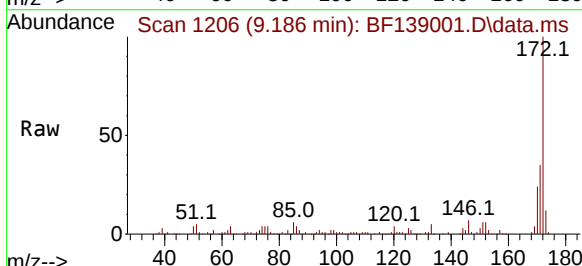
Tgt Ion:172 Resp: 143611

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 24.2 18.8 28.2

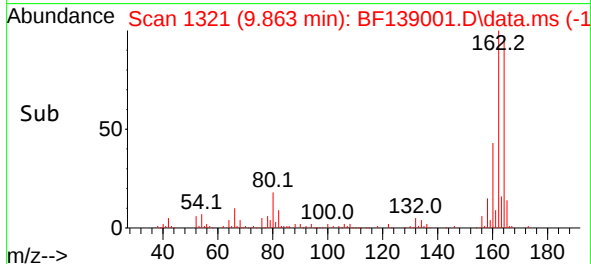
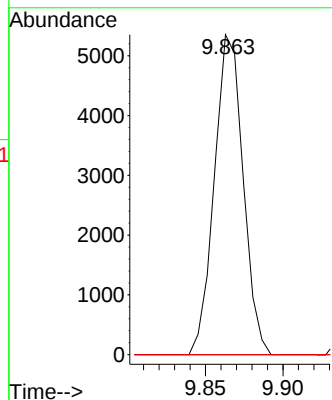
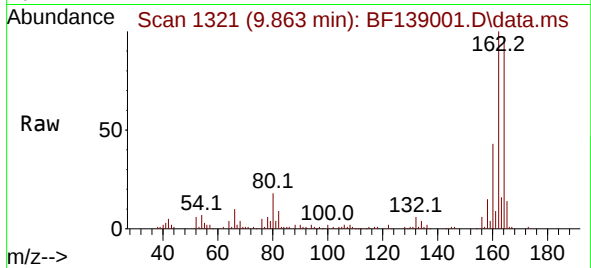




#51
2,6-Dinitrotoluene
Concen: 9.830 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

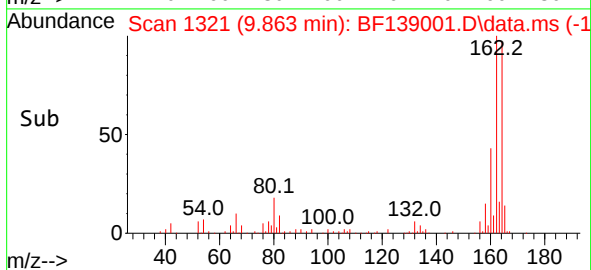
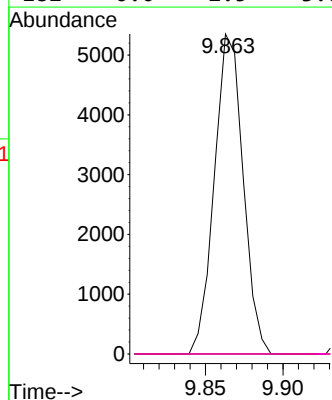
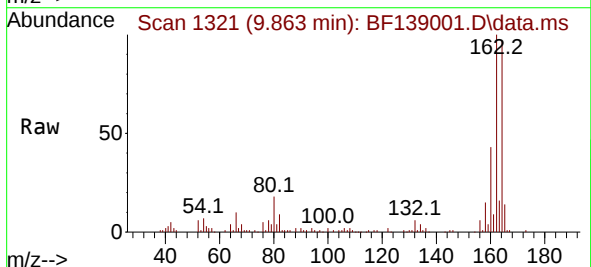
Instrument :
BNA_F
ClientSampleId :
SU-04-080924

Tgt Ion:165 Resp: 6903
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.705 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.206 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion:165 Resp: 6903
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#

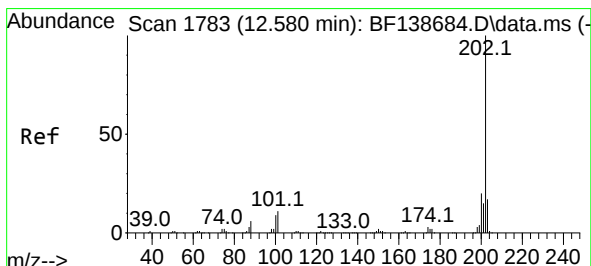
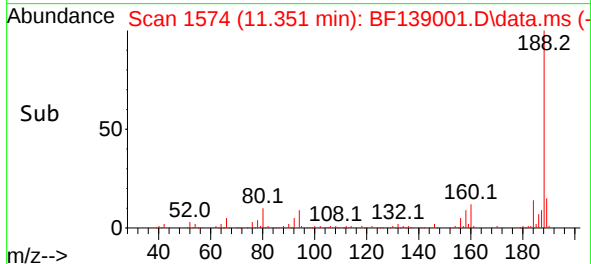
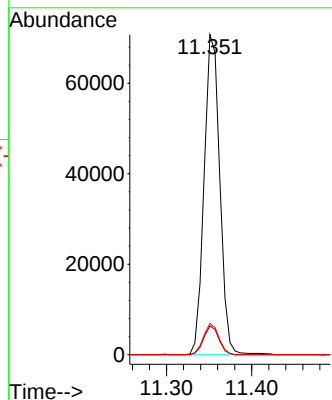
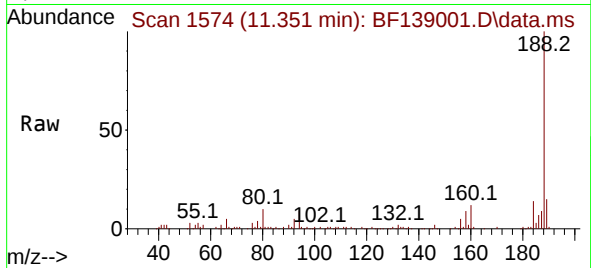




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

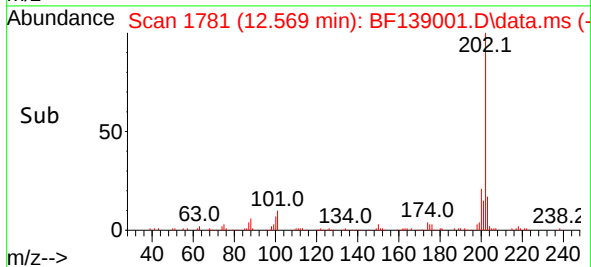
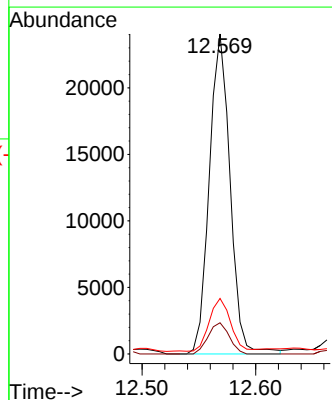
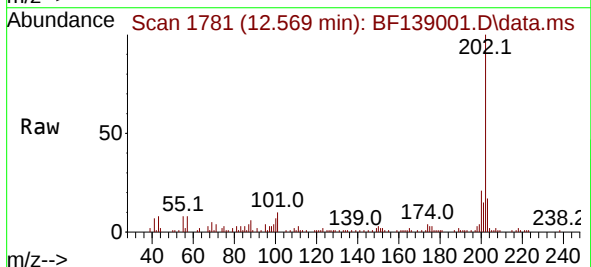
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ClientSampleId :
SU-04-080924

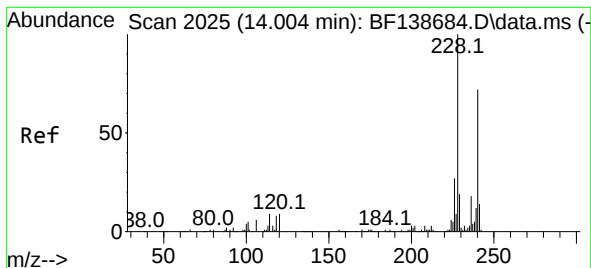
Tgt Ion:188 Resp: 90475
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.7 8.6 12.8



#75
Fluoranthene
Concen: 7.033 ng
RT: 12.569 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion:202 Resp: 30590
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.2
203 17.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

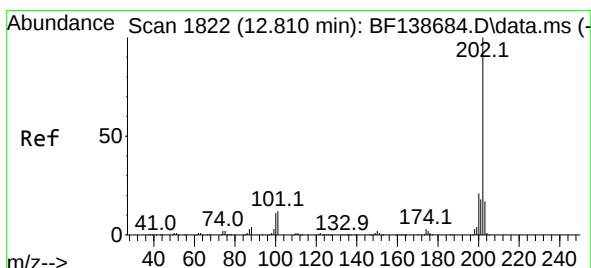
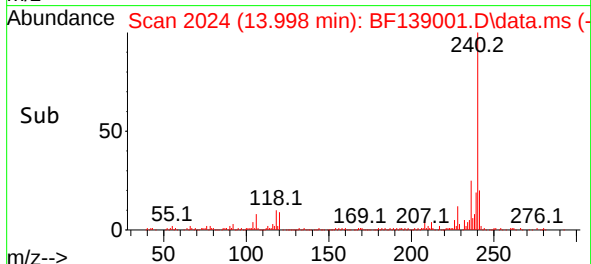
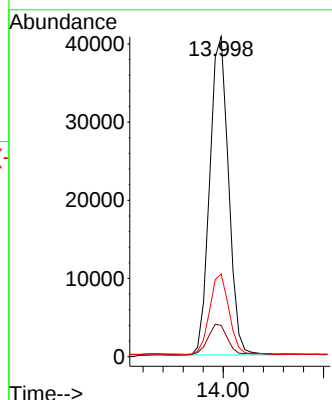
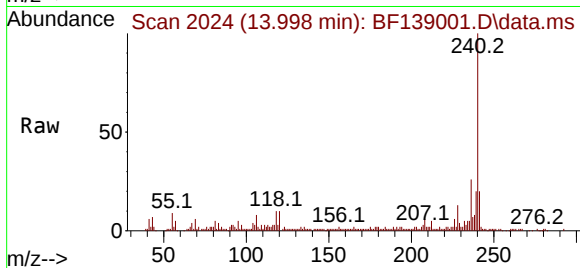
Tgt Ion:240 Resp: 53005

Ion Ratio Lower Upper

240 100

120 9.8 10.2 15.4#

236 25.9 19.8 29.8



#78

Pyrene

Concen: 6.127 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

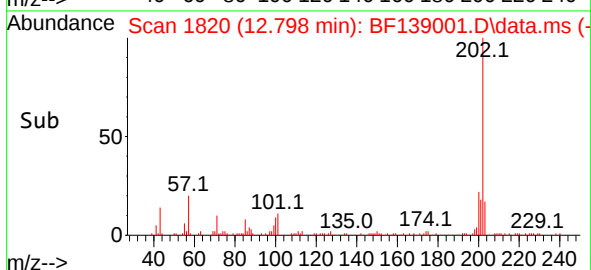
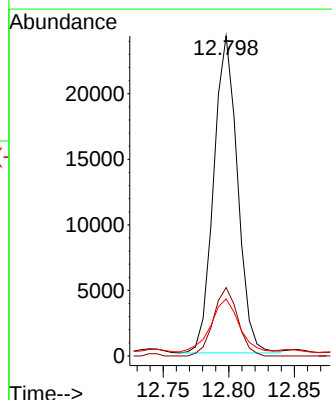
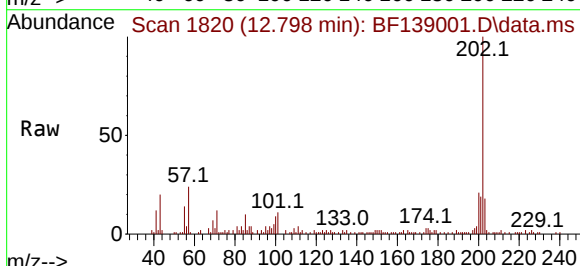
Tgt Ion:202 Resp: 30577

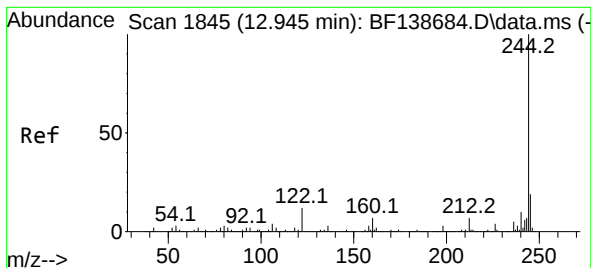
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 17.8 13.8 20.6





#79

Terphenyl-d14

Concen: 49.566 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

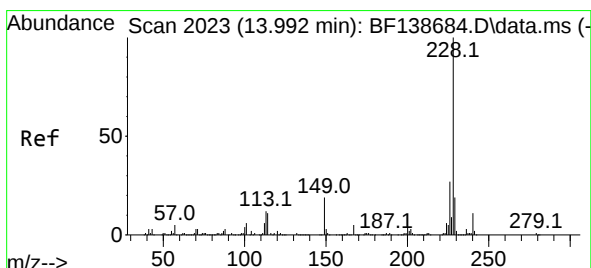
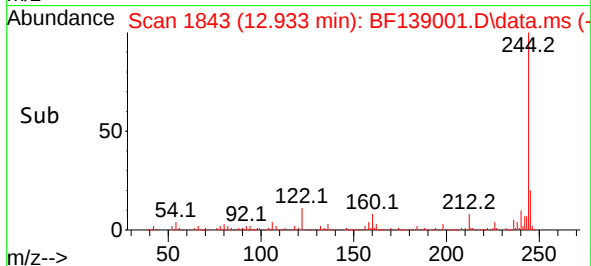
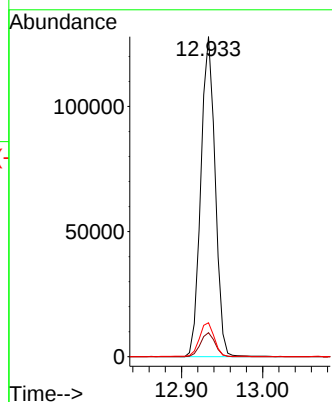
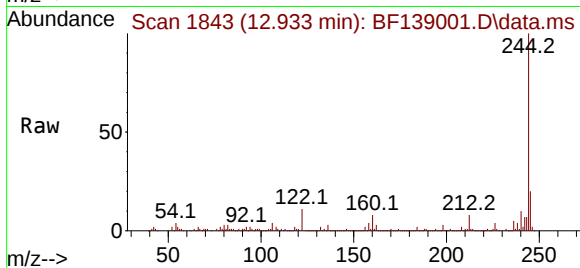
Tgt Ion:244 Resp: 156920

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

122 10.6 9.6 14.4



#81

Benzo(a)anthracene

Concen: 3.801 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

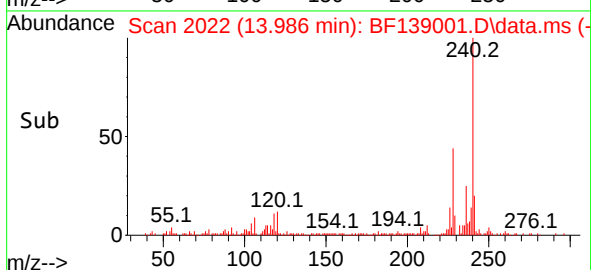
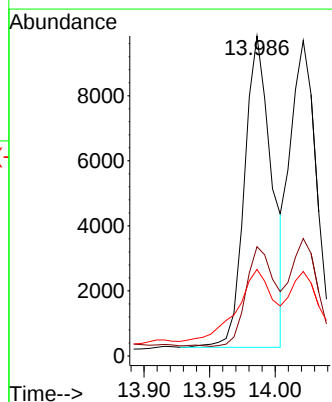
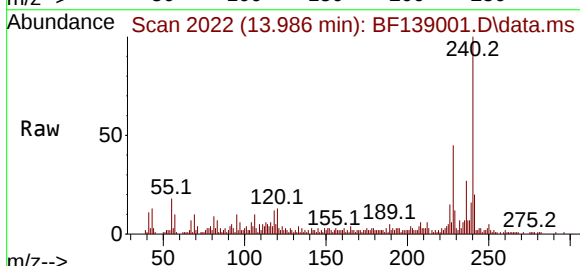
Tgt Ion:228 Resp: 13873

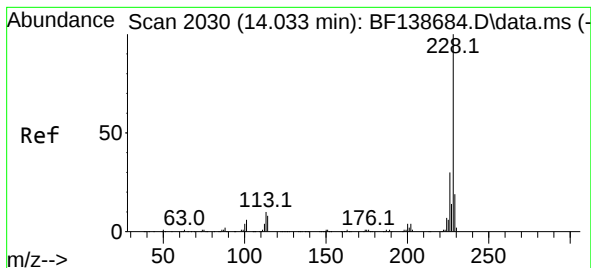
Ion Ratio Lower Upper

228 100

226 34.1 22.1 33.1#

229 27.0 15.4 23.0#





#83

Chrysene

Concen: 4.060 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

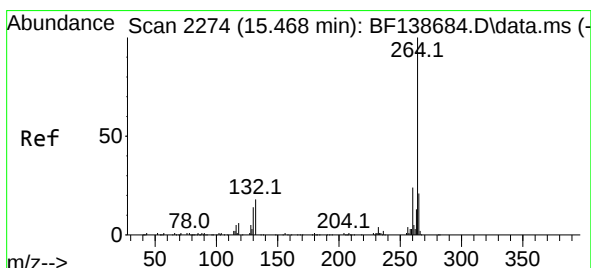
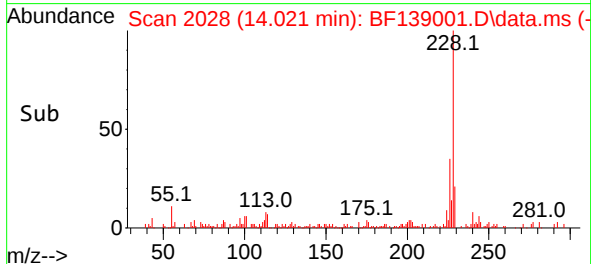
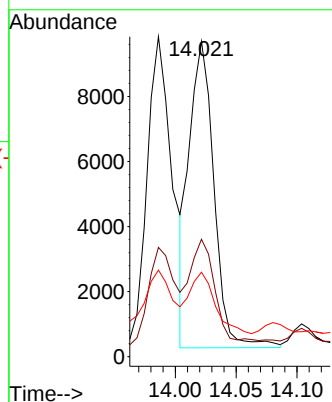
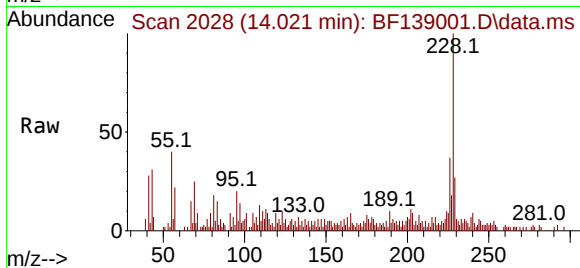
Tgt Ion:228 Resp: 13369

Ion Ratio Lower Upper

228 100

226 37.3 23.7 35.5#

229 26.8 15.0 22.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

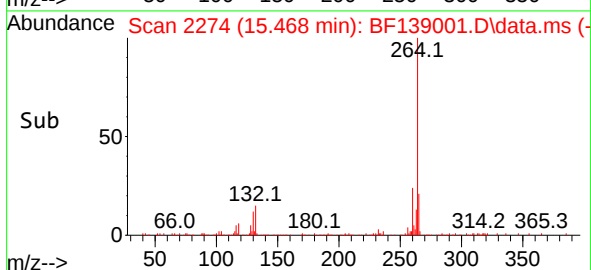
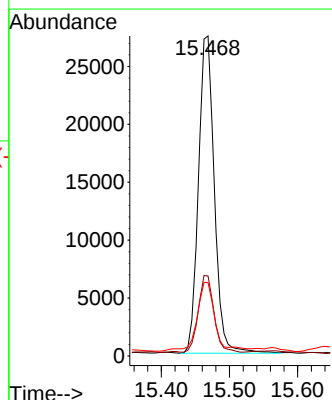
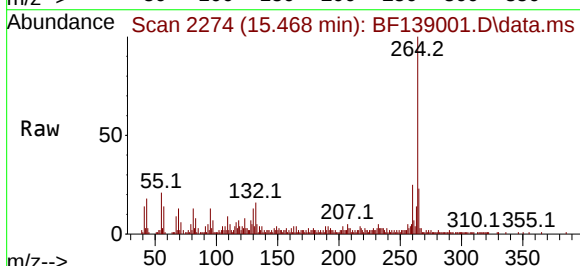
Tgt Ion:264 Resp: 44467

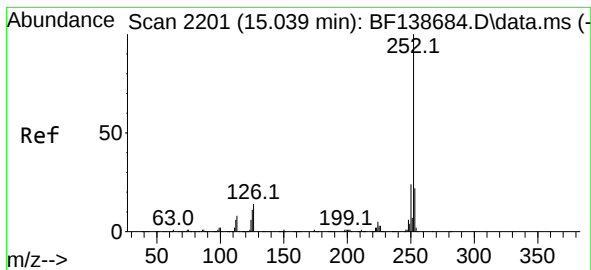
Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 22.9 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 7.129 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

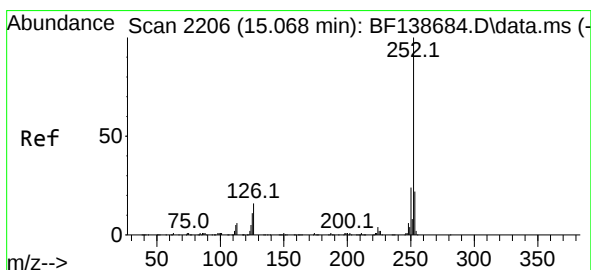
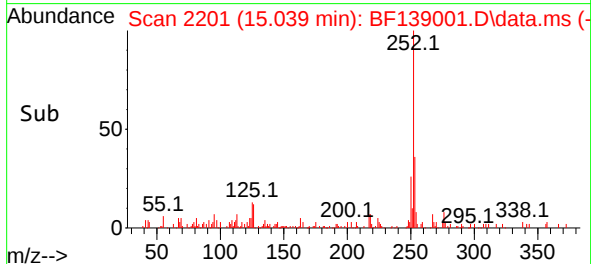
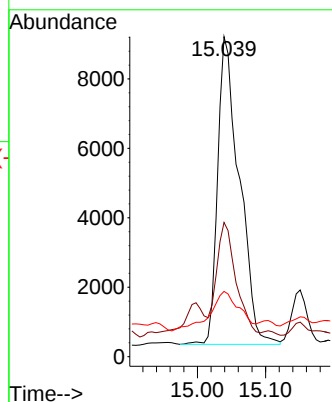
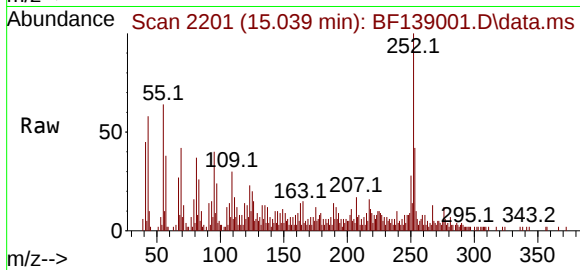
Tgt Ion:252 Resp: 19650

Ion Ratio Lower Upper

252 100

253 41.9 17.5 26.3#

125 20.4 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 8.233 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.029 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

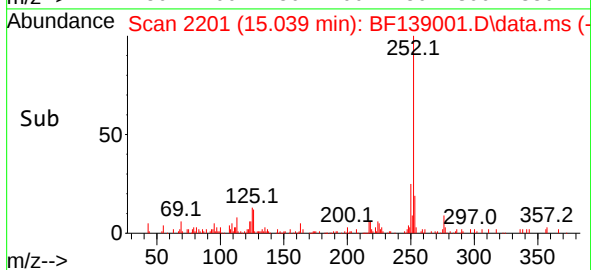
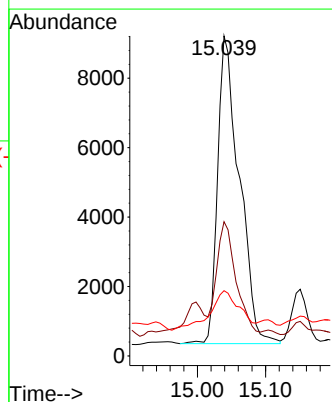
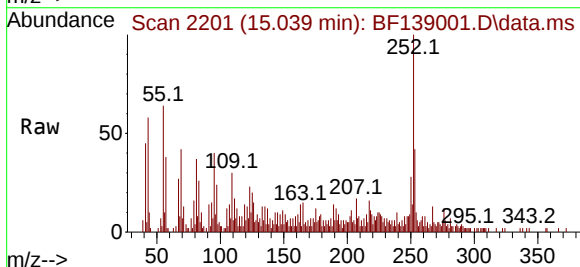
Tgt Ion:252 Resp: 19650

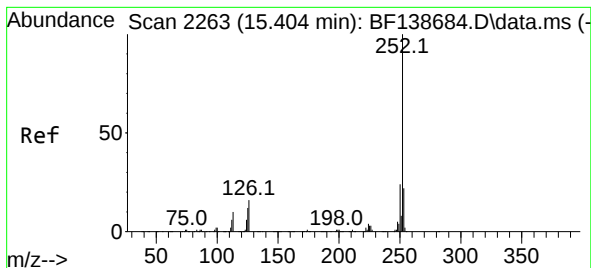
Ion Ratio Lower Upper

252 100

253 41.9 17.4 26.0#

125 20.4 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 4.619 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

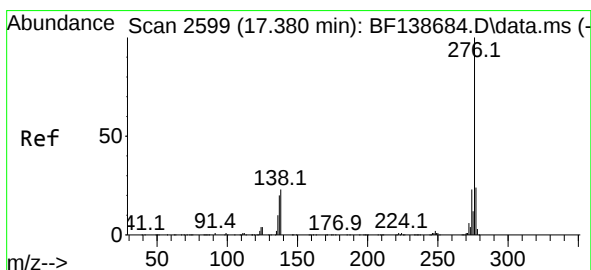
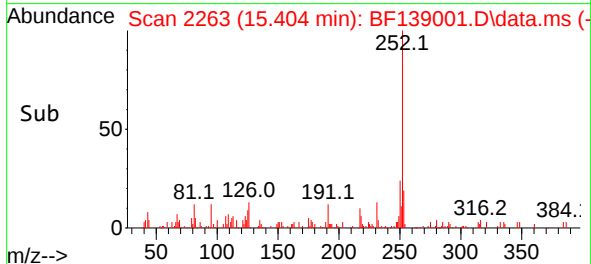
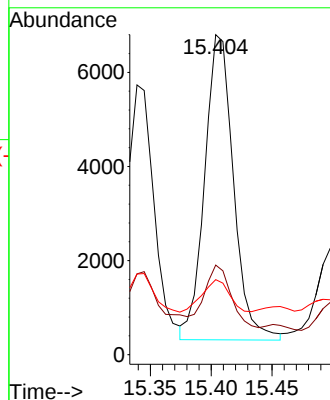
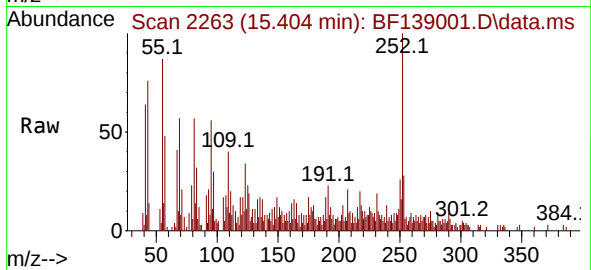
Tgt Ion:252 Resp: 10709

Ion Ratio Lower Upper

252 100

253 28.0 17.3 25.9#

125 23.4 9.5 14.3#



#92

Benzo(g,h,i)perylene

Concen: 2.320 ng

RT: 17.398 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Tgt Ion:276 Resp: 6297

Ion Ratio Lower Upper

276 100

277 34.8 19.0 28.4#

138 32.0 18.5 27.7#

