

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
 Data File : BF139675.D
 Acq On : 04 Oct 2024 23:36
 Operator : RC/JU
 Sample : P4277-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-10022024

Quant Time: Oct 05 00:43:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

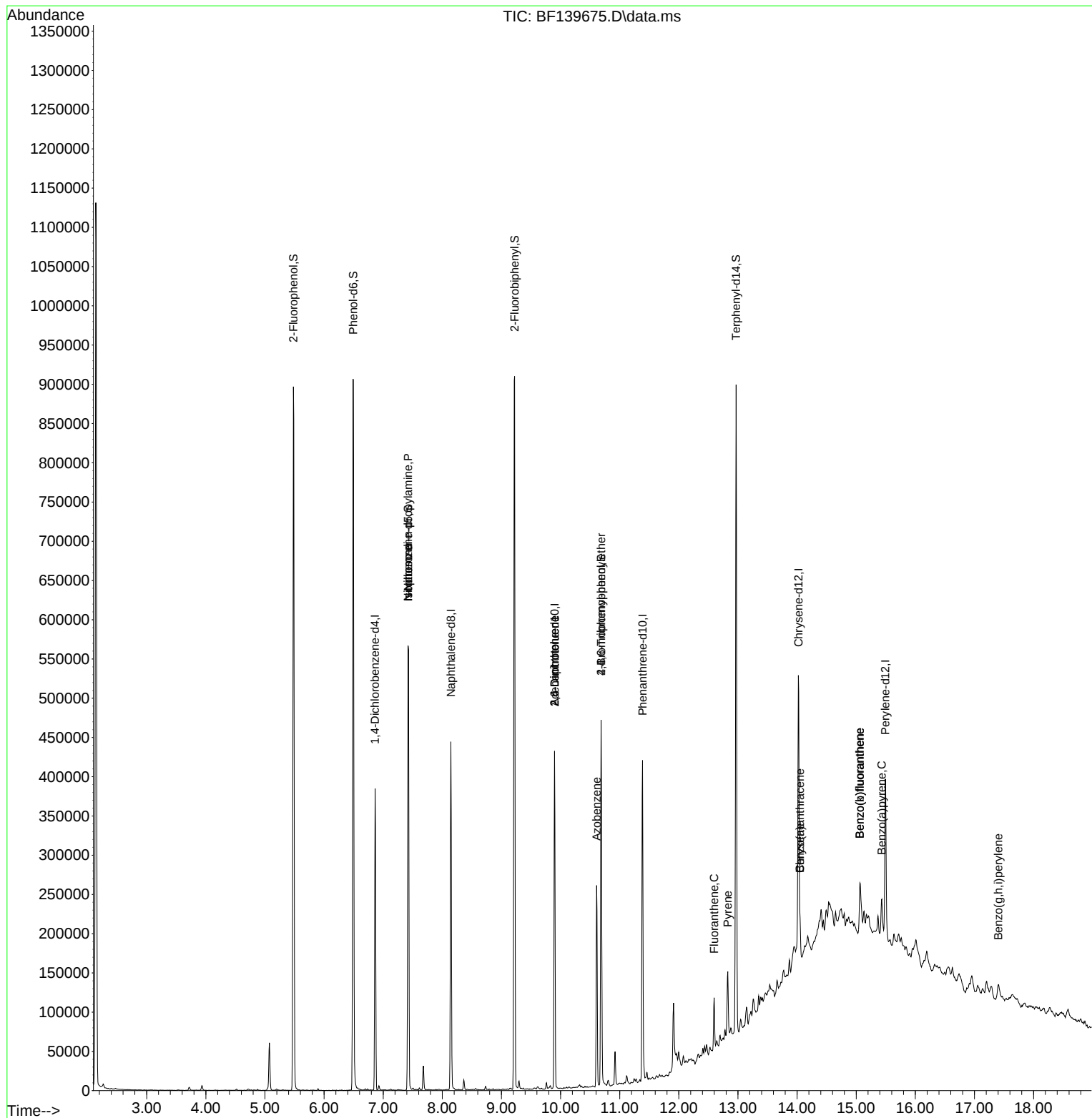
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	75696	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	259314	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	122342	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	213196	20.000	ng	0.00
76) Chrysene-d12	14.027	240	153976	20.000	ng	0.00
86) Perylene-d12	15.492	264	122841	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	308372	70.609	ng	0.00
7) Phenol-d6	6.492	99	386794	65.859	ng	-0.01
23) Nitrobenzene-d5	7.422	82	243684	47.579	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	71090	60.194	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	401474	50.378	ng	0.00
79) Terphenyl-d14	12.968	244	389338	41.489	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	33697	8.924	ng	# 76
25) Isophorone	7.422	82	241231	26.518	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	15944	8.813	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	15944	6.742	ng	# 18
63) Azobenzene	10.610	77	66015	7.936	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	4573	2.092	ng	# 1
75) Fluoranthene	12.598	202	34860	3.172	ng	99
78) Pyrene	12.827	202	47102	3.420	ng	99
81) Benzo(a)anthracene	14.051	228	28950	2.860	ng	92
83) Chrysene	14.051	228	28814	3.113	ng	96
88) Benzo(b)fluoranthene	15.062	252	41885	5.273	ng	# 82
89) Benzo(k)fluoranthene	15.062	252	41885	6.217	ng	# 82
90) Benzo(a)pyrene	15.433	252	23724	3.788	ng	# 87
92) Benzo(g,h,i)perylene	17.403	276	13413	2.230	ng	# 90

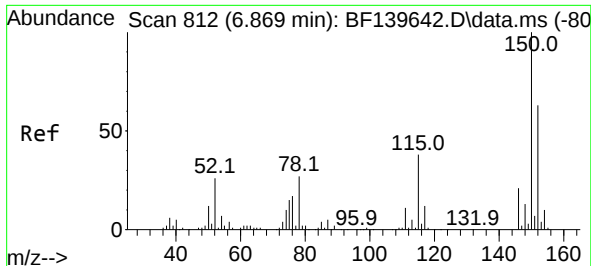
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
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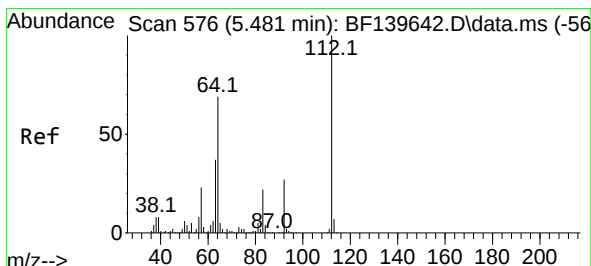
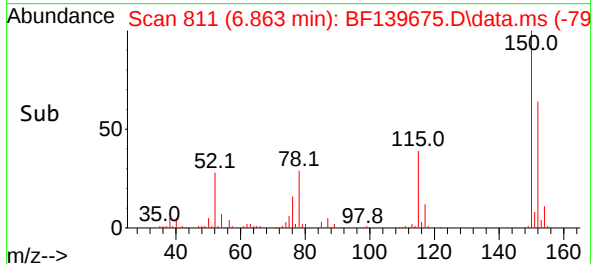
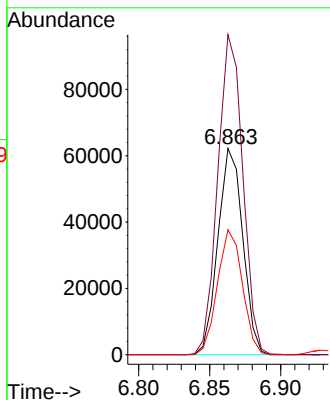
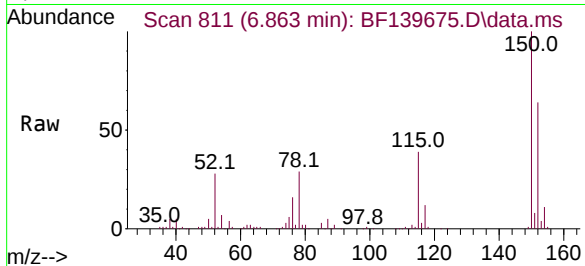




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

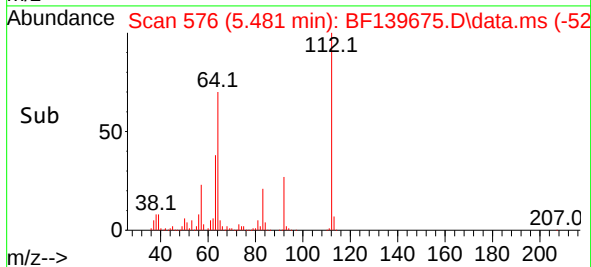
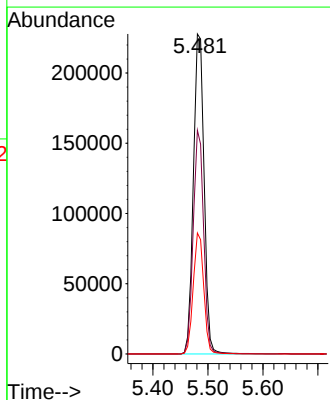
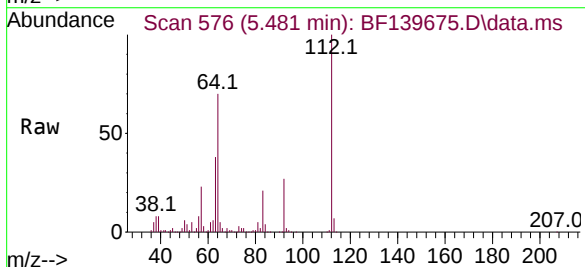
Instrument :
BNA_F
ClientSampleId :
BU-03-10022024

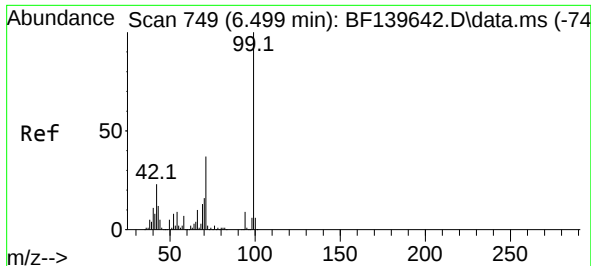
Tgt Ion:152 Resp: 75696
Ion Ratio Lower Upper
152 100
150 155.2 127.2 190.8
115 60.6 49.0 73.4



#5
2-Fluorophenol
Concen: 70.609 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

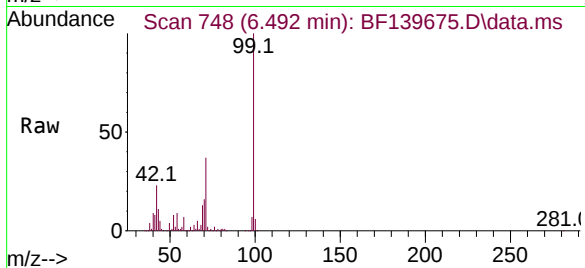
Tgt Ion:112 Resp: 308372
Ion Ratio Lower Upper
112 100
64 69.9 54.2 81.4
63 37.8 29.4 44.2



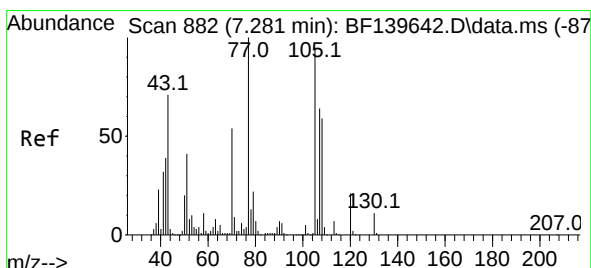
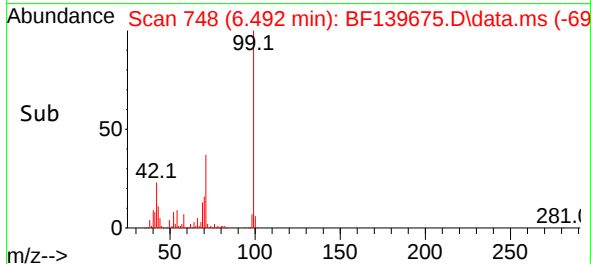
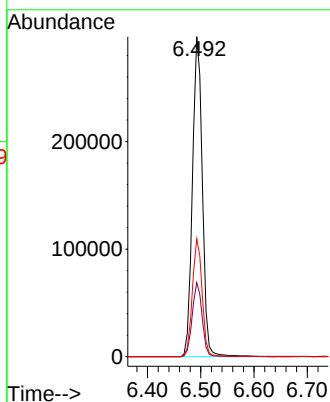


#7
Phenol-d6
Concen: 65.859 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

Instrument :
BNA_F
ClientSampleId :
BU-03-10022024

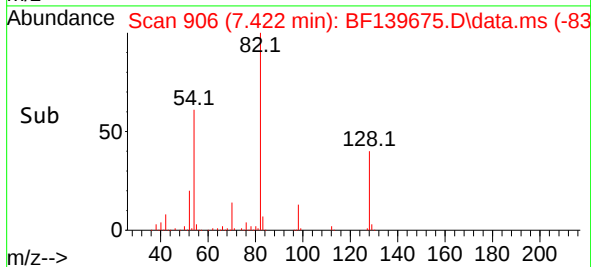
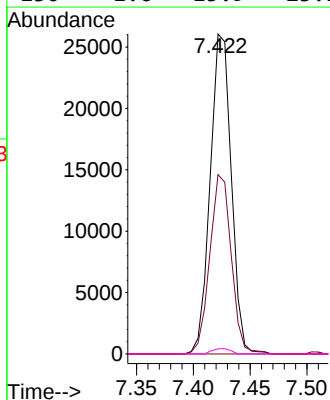
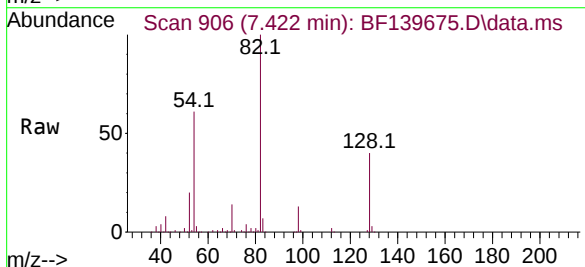


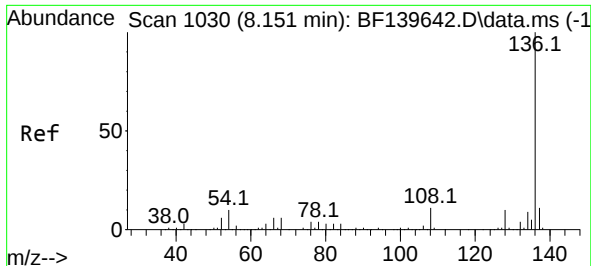
Tgt Ion: 99 Resp: 386794
Ion Ratio Lower Upper
99 100
42 23.2 19.1 28.7
71 36.8 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.924 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

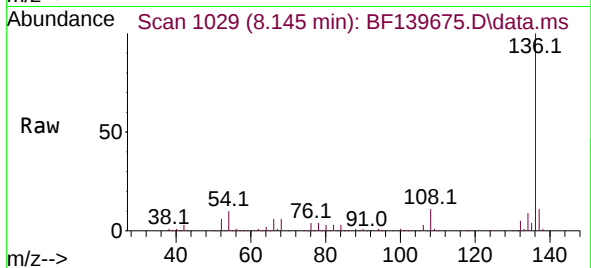
Tgt Ion: 70 Resp: 33697
Ion Ratio Lower Upper
70 100
42 56.0 58.0 87.0#
101 0.0 7.8 11.8#
130 1.6 15.9 23.9#





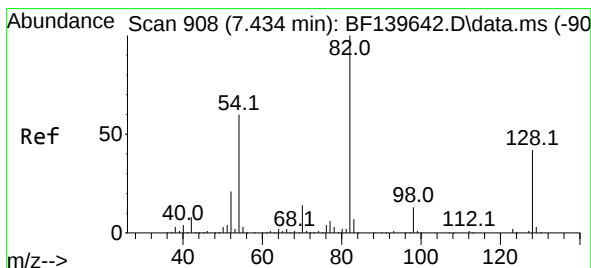
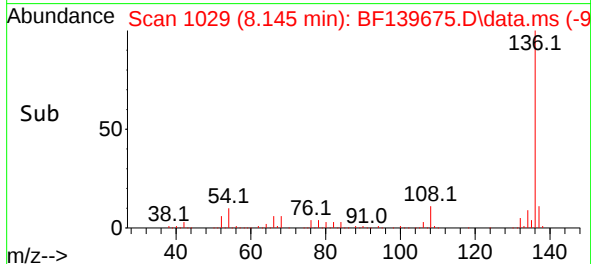
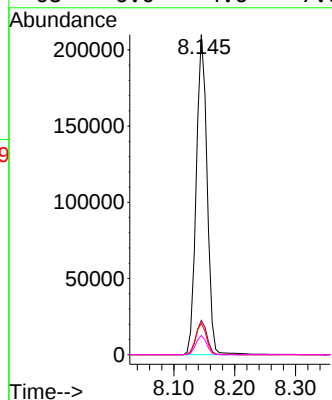
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

Instrument :
BNA_F
ClientSampleId :
BU-03-10022024



Tgt Ion:136 Resp: 259314

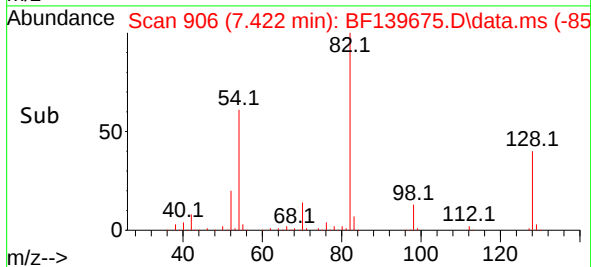
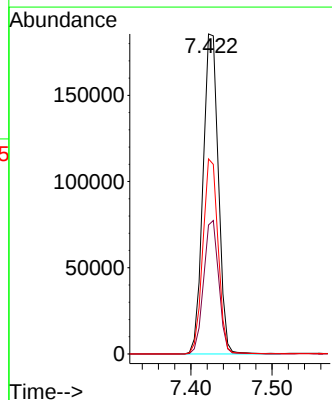
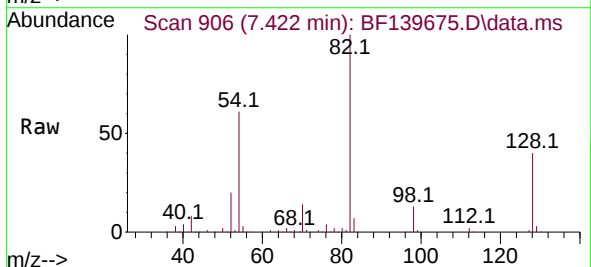
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.8	8.3	12.5
68	6.0	4.6	7.0

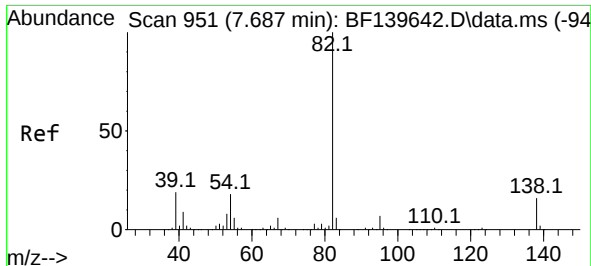


#23
Nitrobenzene-d5
Concen: 47.579 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

Tgt Ion: 82 Resp: 243684

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.4	48.6
54	60.9	49.1	73.7

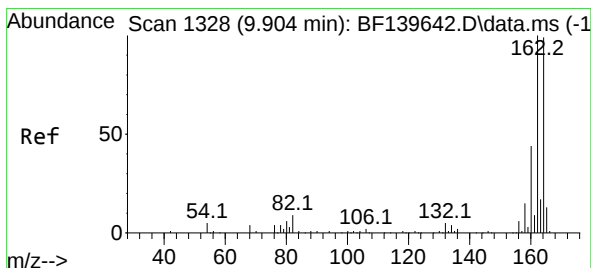
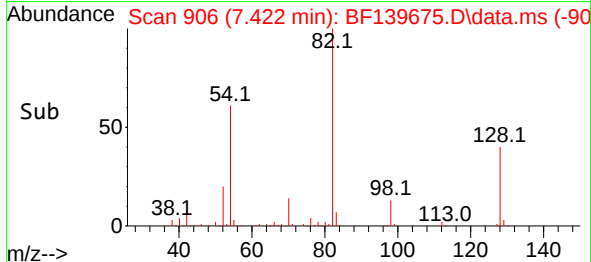
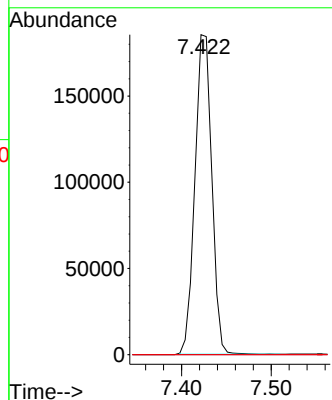
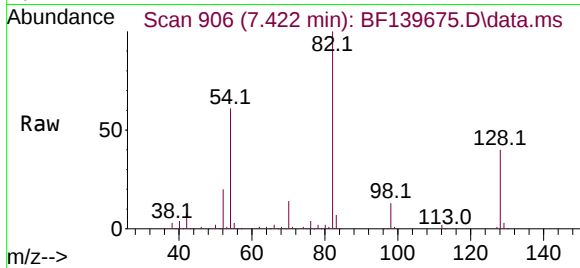




#25
Isophorone
Concen: 26.518 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

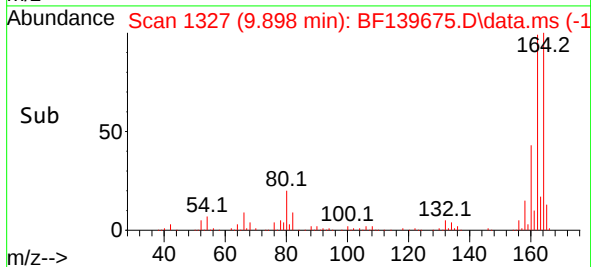
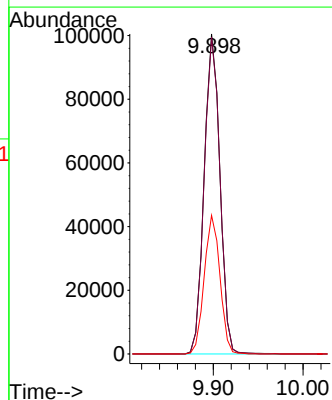
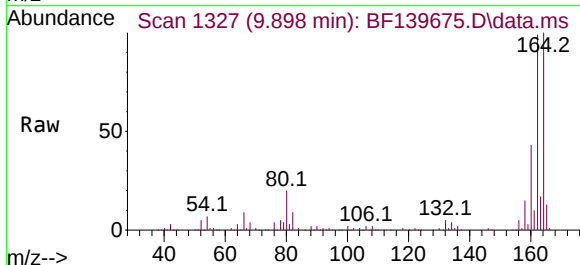
Instrument :
BNA_F
ClientSampleId :
BU-03-10022024

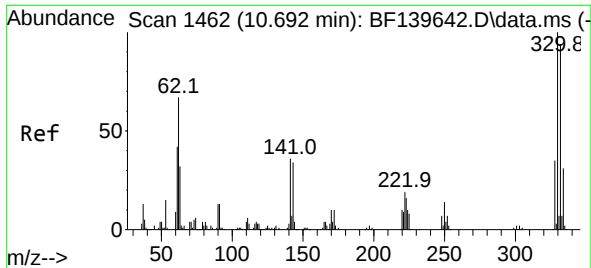
Tgt Ion: 82 Resp: 241231
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

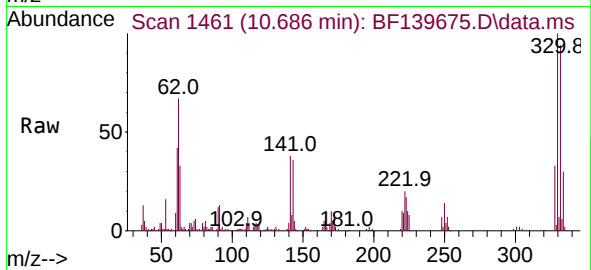
Tgt Ion: 164 Resp: 122342
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 43.3 35.1 52.7



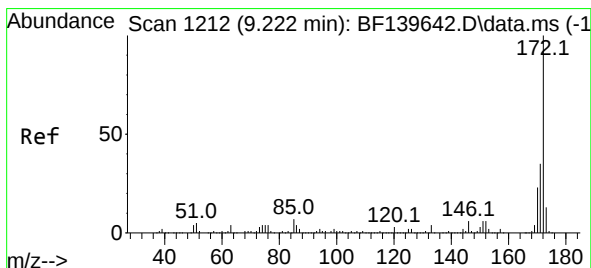
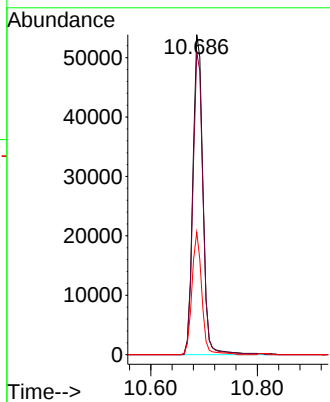
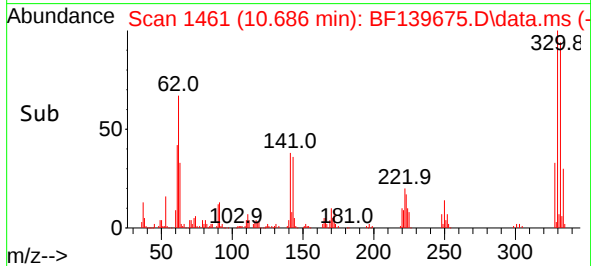


#42
2,4,6-Tribromophenol
Concen: 60.194 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

Instrument :
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ClientSampleId :
BU-03-10022024

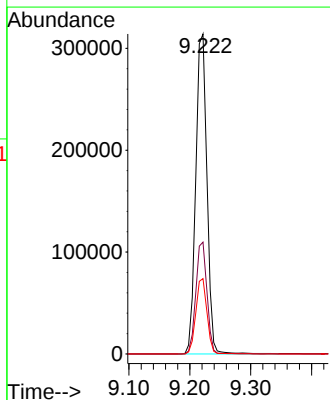
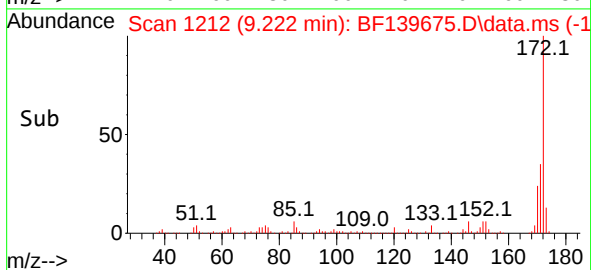
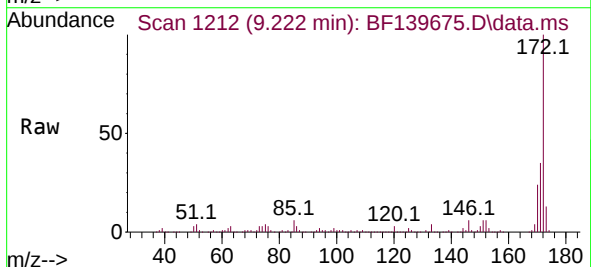


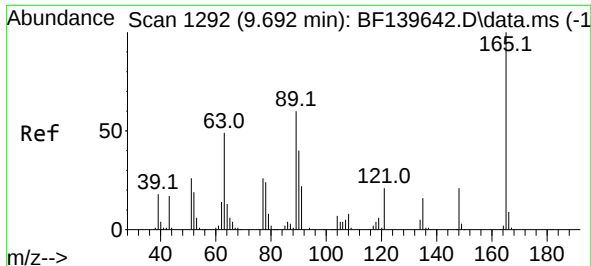
Tgt Ion:330 Resp: 71090
Ion Ratio Lower Upper
330 100
332 94.2 76.5 114.7
141 37.2 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 50.378 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

Tgt Ion:172 Resp: 401474
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.5 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.813 ng

RT: 9.898 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Instrument :

BNA_F

ClientSampleId :

BU-03-10022024

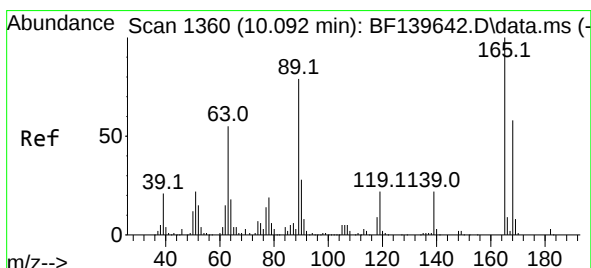
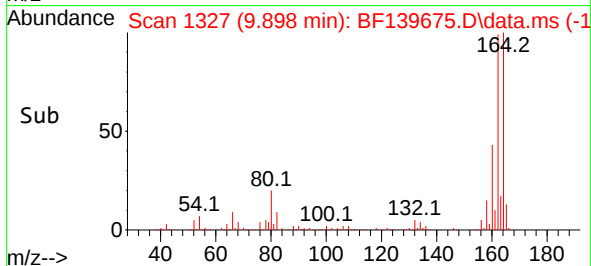
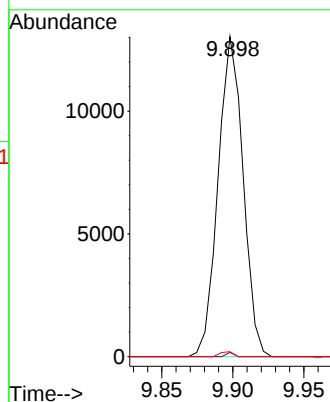
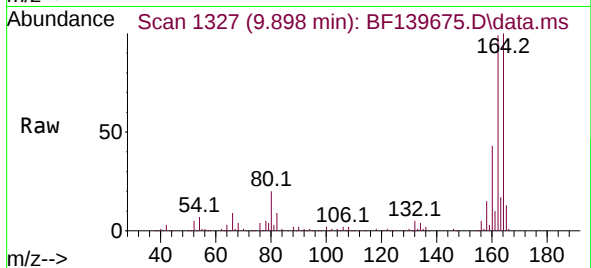
Tgt Ion:165 Resp: 15944

Ion Ratio Lower Upper

165 100

63 1.4 56.7 85.1#

89 1.5 51.6 77.4#



#57

2,4-Dinitrotoluene

Concen: 6.742 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.200 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Tgt Ion:165 Resp: 15944

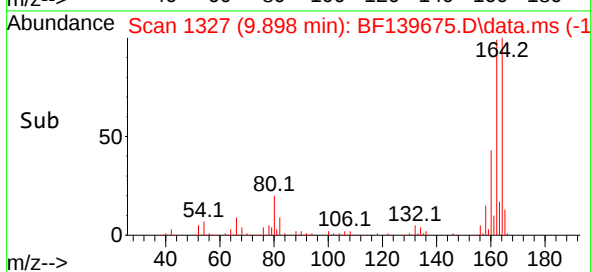
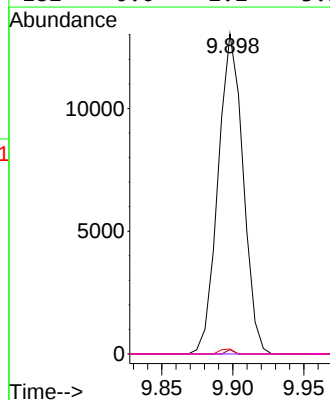
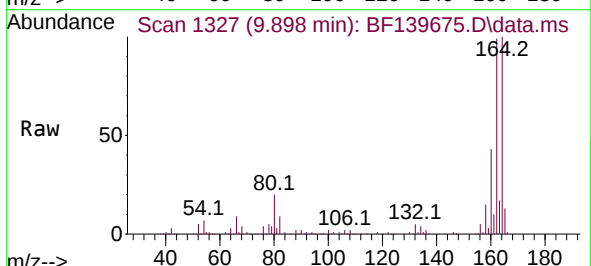
Ion Ratio Lower Upper

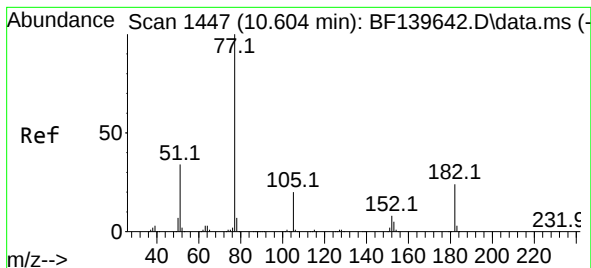
165 100

63 1.4 46.9 70.3#

89 1.5 64.4 96.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 7.936 ng

RT: 10.610 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Instrument :

BNA_F

ClientSampleId :

BU-03-10022024

Tgt Ion: 77 Resp: 66015

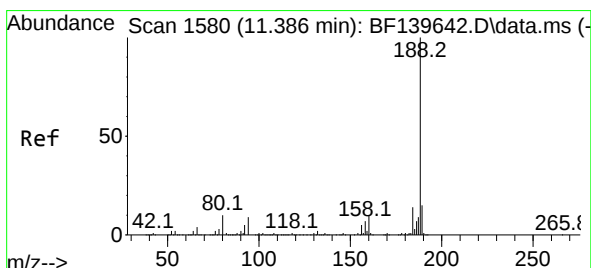
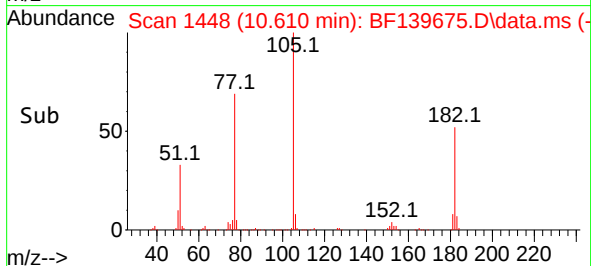
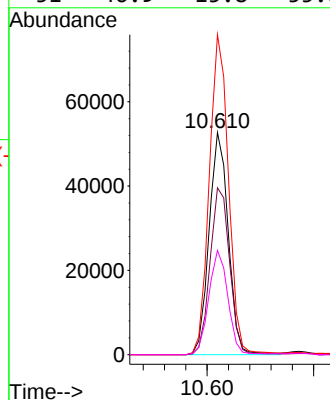
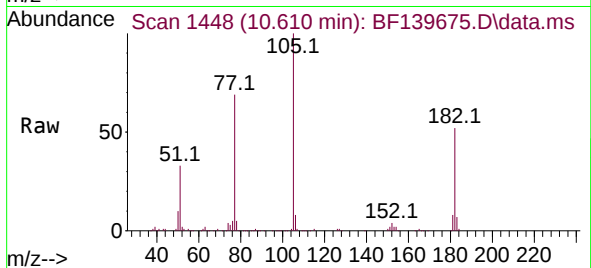
Ion Ratio Lower Upper

77 100

182 75.1 4.2 44.2#

105 144.0 0.0 39.6#

51 46.9 15.8 55.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

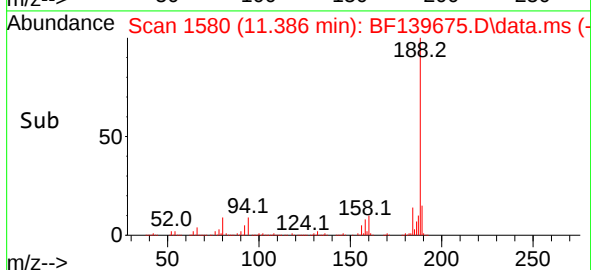
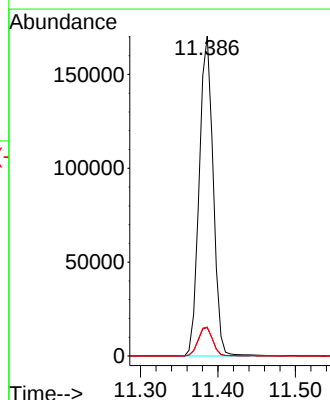
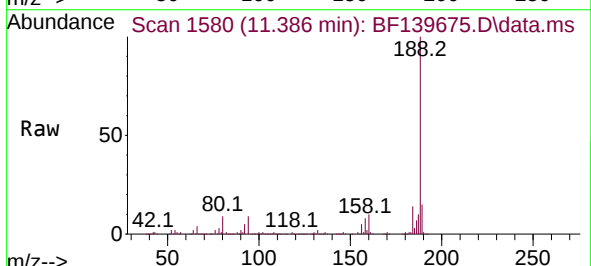
Tgt Ion: 188 Resp: 213196

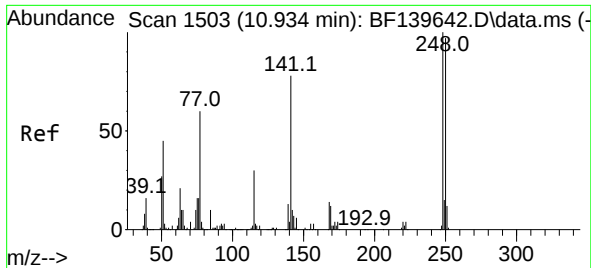
Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

80 9.1 8.2 12.2

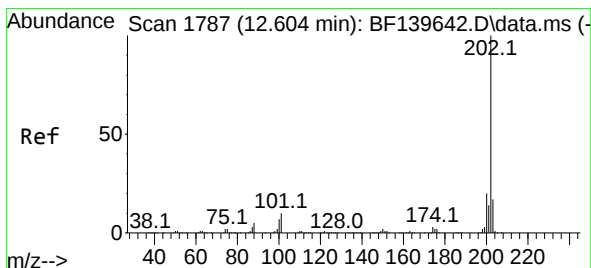
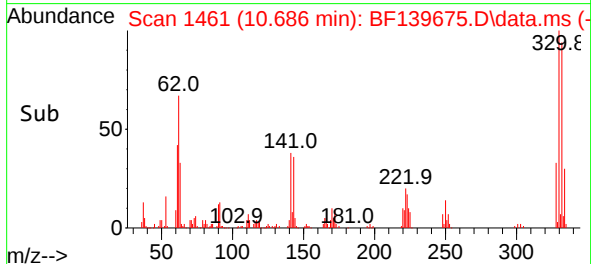
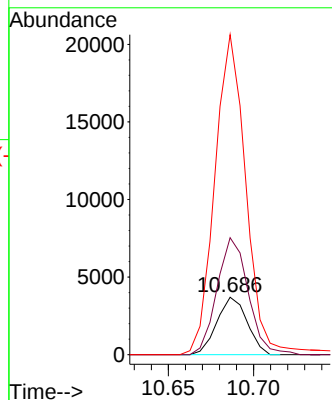
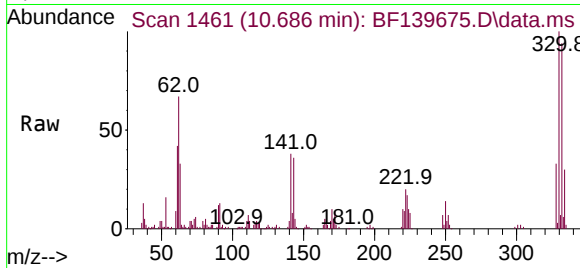




#67
4-Bromophenyl-phenylether
Concen: 2.092 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.253 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

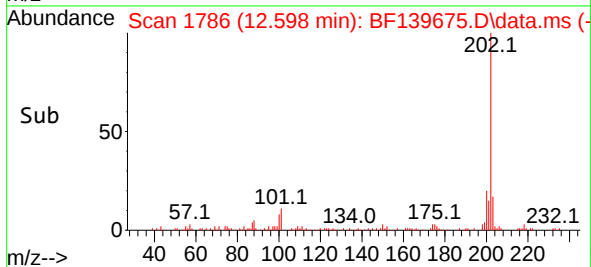
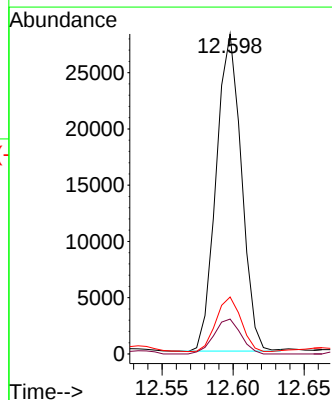
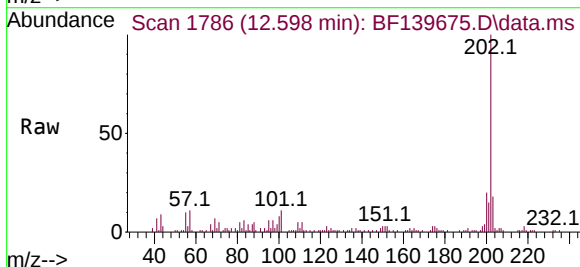
Instrument :
BNA_F
ClientSampleId :
BU-03-10022024

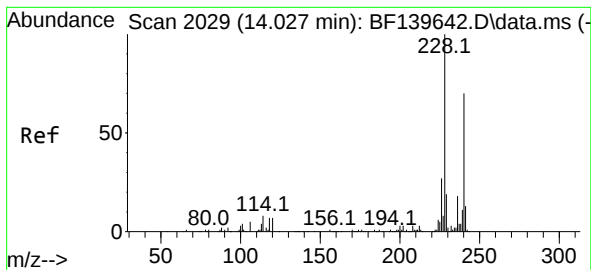
Tgt Ion:248 Resp: 4573
Ion Ratio Lower Upper
248 100
250 203.5 77.1 115.7#
141 557.0 60.4 90.6#



#75
Fluoranthene
Concen: 3.172 ng
RT: 12.598 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

Tgt Ion:202 Resp: 34860
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.2
203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Instrument :

BNA_F

ClientSampleId :

BU-03-10022024

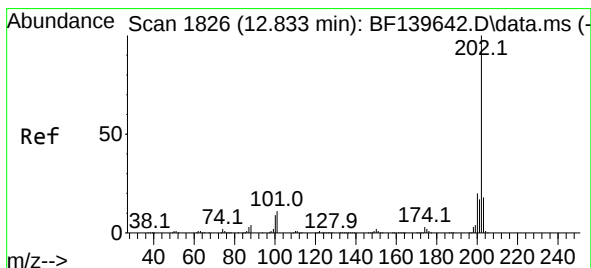
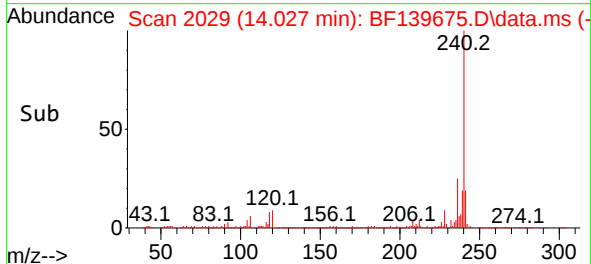
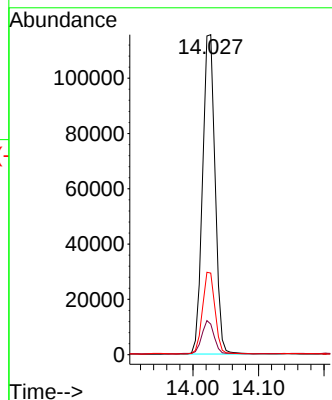
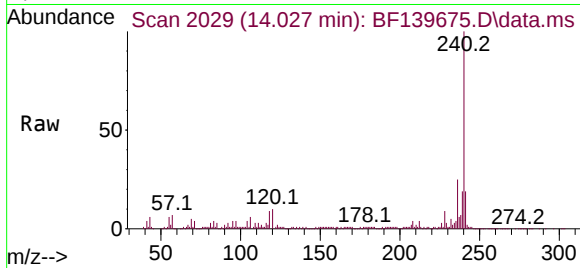
Tgt Ion:240 Resp: 153976

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

236 25.5 20.3 30.5



#78

Pyrene

Concen: 3.420 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

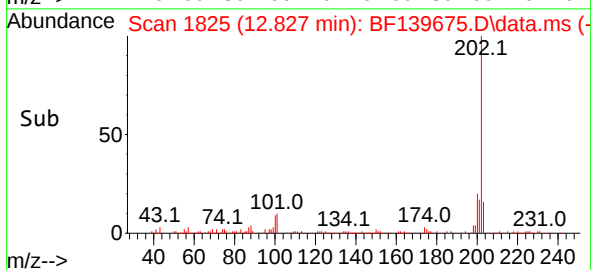
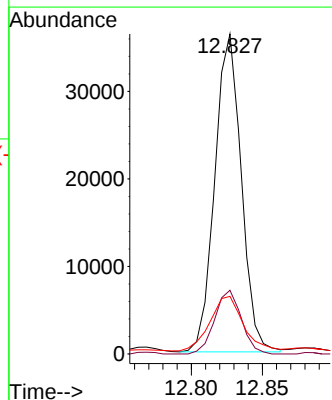
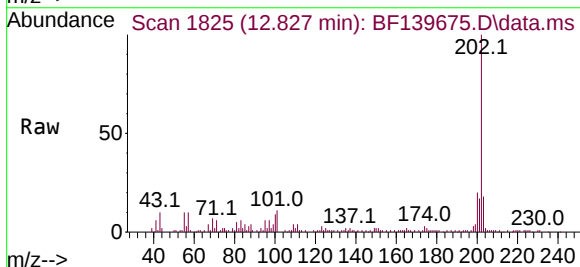
Tgt Ion:202 Resp: 47102

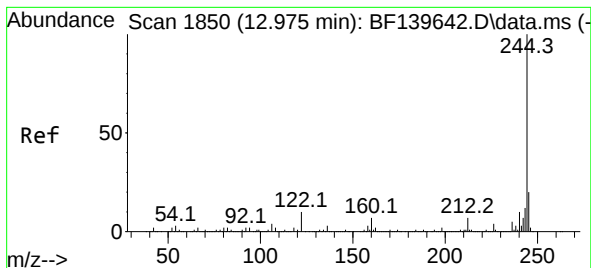
Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.6

203 18.0 13.8 20.8





#79

Terphenyl-d14

Concen: 41.489 ng

RT: 12.968 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Instrument :

BNA_F

ClientSampleId :

BU-03-10022024

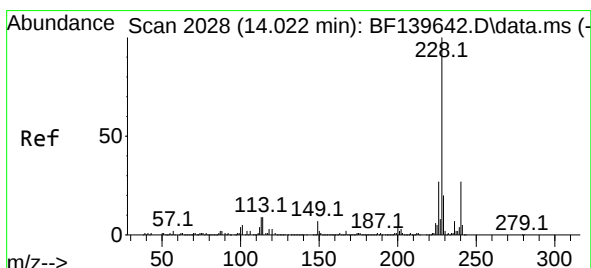
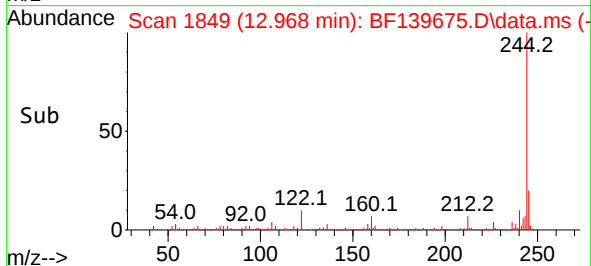
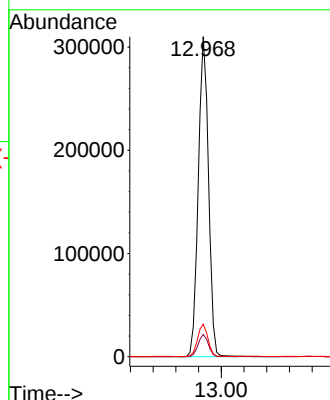
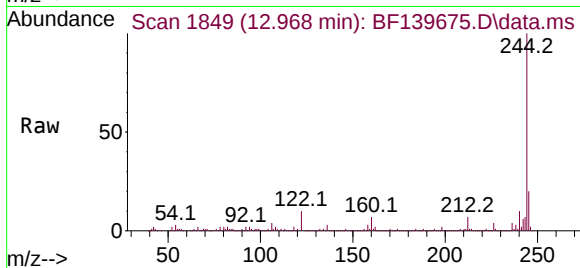
Tgt Ion:244 Resp: 389338

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 10.2 8.6 12.8



#81

Benzo(a)anthracene

Concen: 2.860 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.029 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

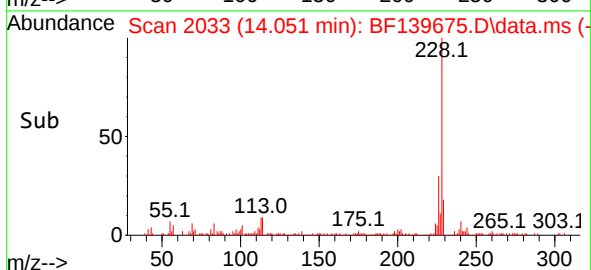
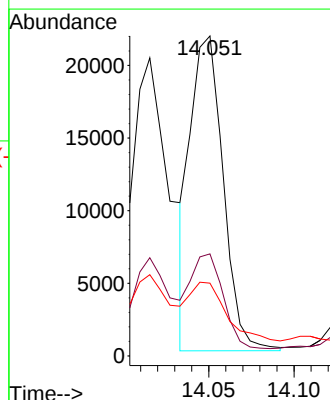
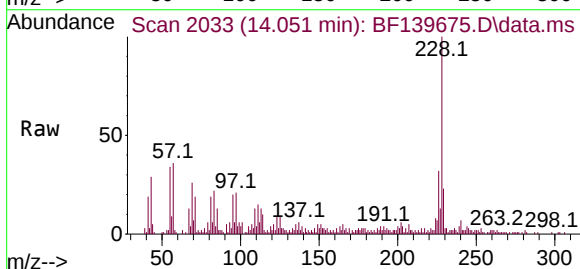
Tgt Ion:228 Resp: 28950

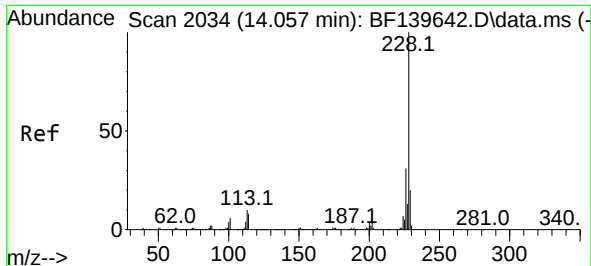
Ion Ratio Lower Upper

228 100

226 31.9 21.8 32.8

229 22.7 15.8 23.8

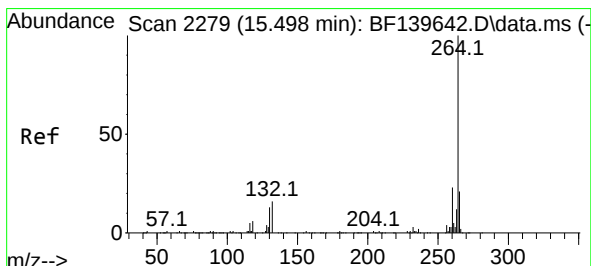
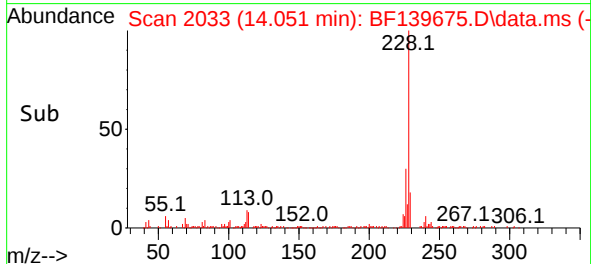
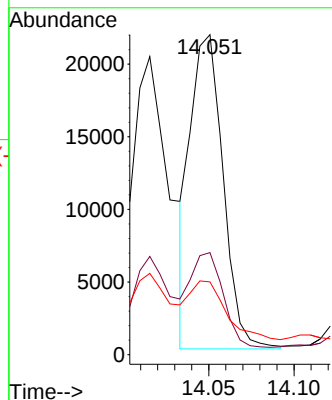
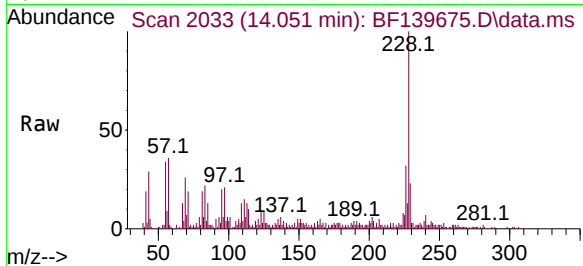




#83
Chrysene
Concen: 3.113 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

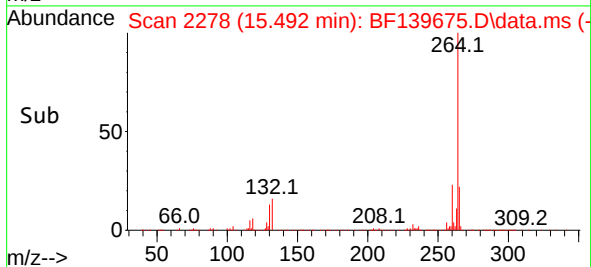
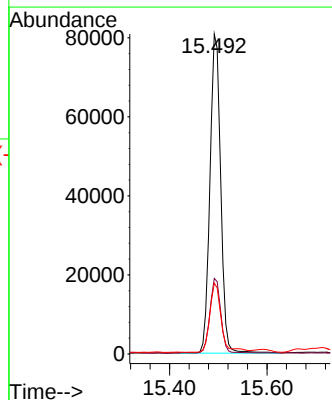
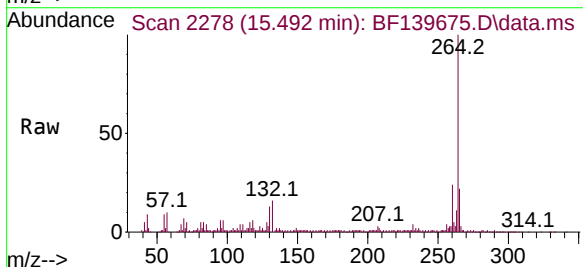
Instrument :
BNA_F
ClientSampleId :
BU-03-10022024

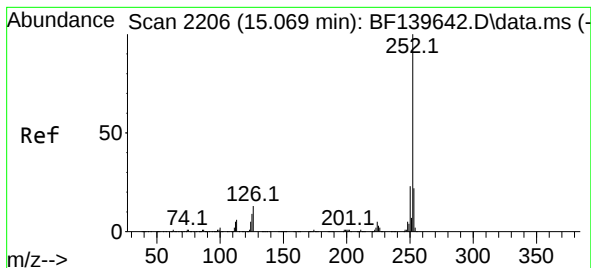
Tgt Ion:228	Resp:	28814
Ion Ratio	Lower	Upper
228	100	
226	31.9	24.3 36.5
229	22.7	15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BF139675.D
Acq: 04 Oct 2024 23:36

Tgt Ion:264	Resp:	122841
Ion Ratio	Lower	Upper
264	100	
260	23.6	18.7 28.1
265	22.1	16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 5.273 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Instrument :

BNA_F

ClientSampleId :

BU-03-10022024

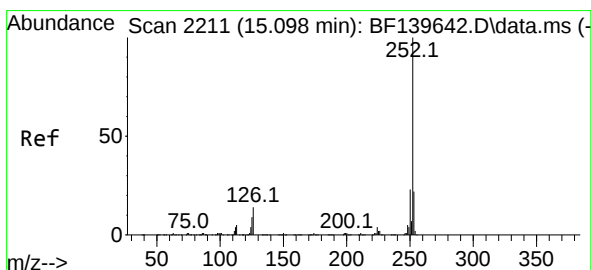
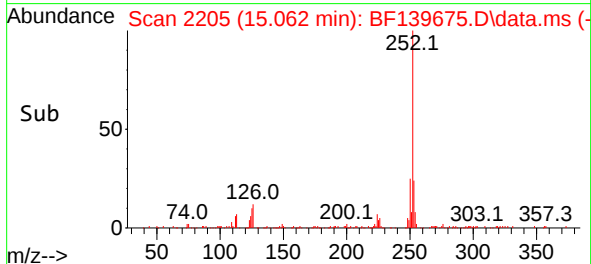
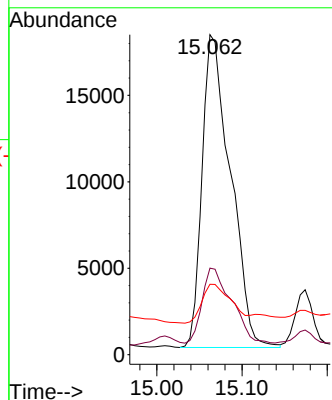
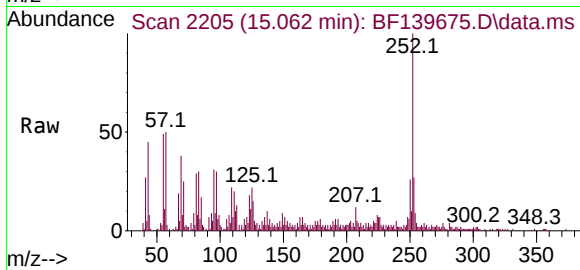
Tgt Ion:252 Resp: 41885

Ion Ratio Lower Upper

252 100

253 27.0 17.4 26.0#

125 22.0 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 6.217 ng

RT: 15.062 min Scan# 2205

Delta R.T. -0.041 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

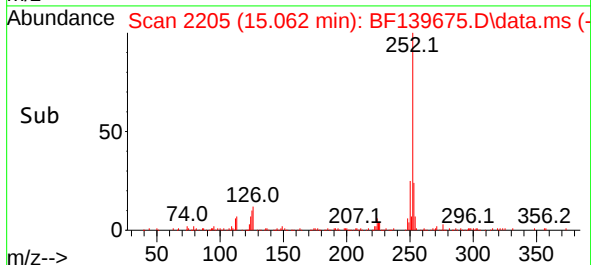
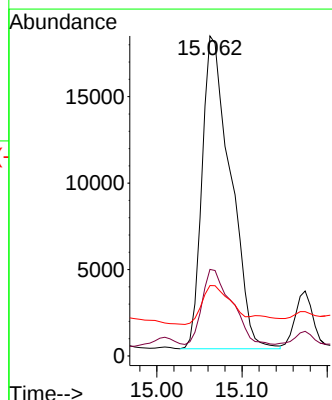
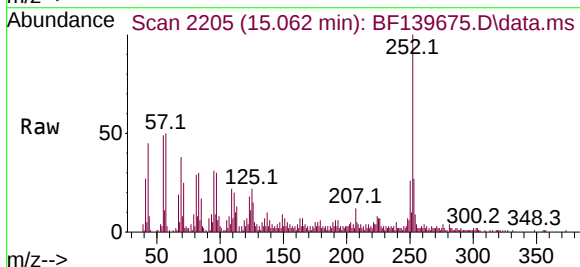
Tgt Ion:252 Resp: 41885

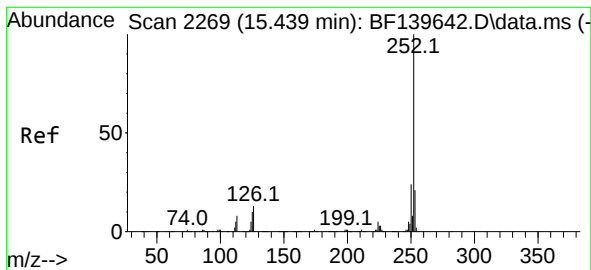
Ion Ratio Lower Upper

252 100

253 27.0 17.5 26.3#

125 22.0 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 3.788 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Instrument :

BNA_F

ClientSampleId :

BU-03-10022024

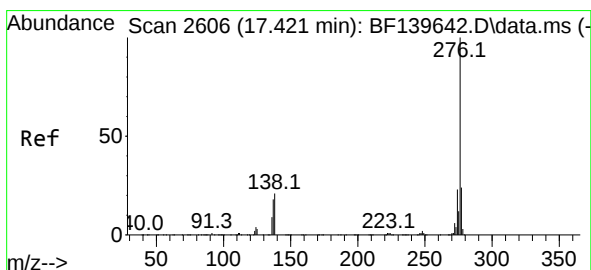
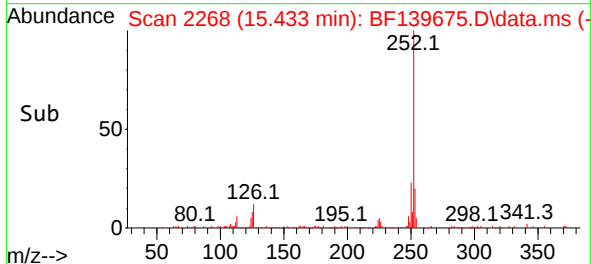
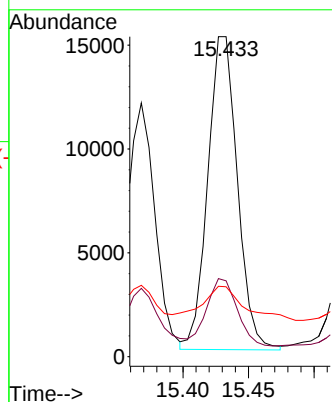
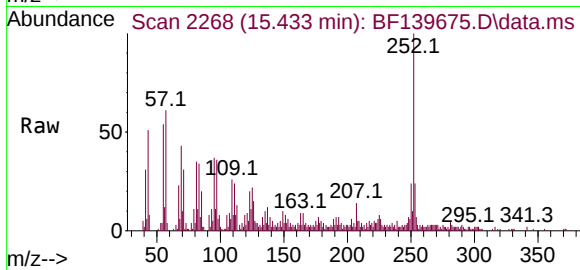
Tgt Ion:252 Resp: 23724

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 21.9 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 2.230 ng

RT: 17.403 min Scan# 2603

Delta R.T. -0.024 min

Lab File: BF139675.D

Acq: 04 Oct 2024 23:36

Tgt Ion:276 Resp: 13413

Ion Ratio Lower Upper

276 100

277 29.0 19.0 28.6#

138 25.5 17.0 25.6

