

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139330.D
 Acq On : 11 Sep 2024 17:17
 Operator : RC/JU
 Sample : P3906-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-01

Quant Time: Sep 11 18:07:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

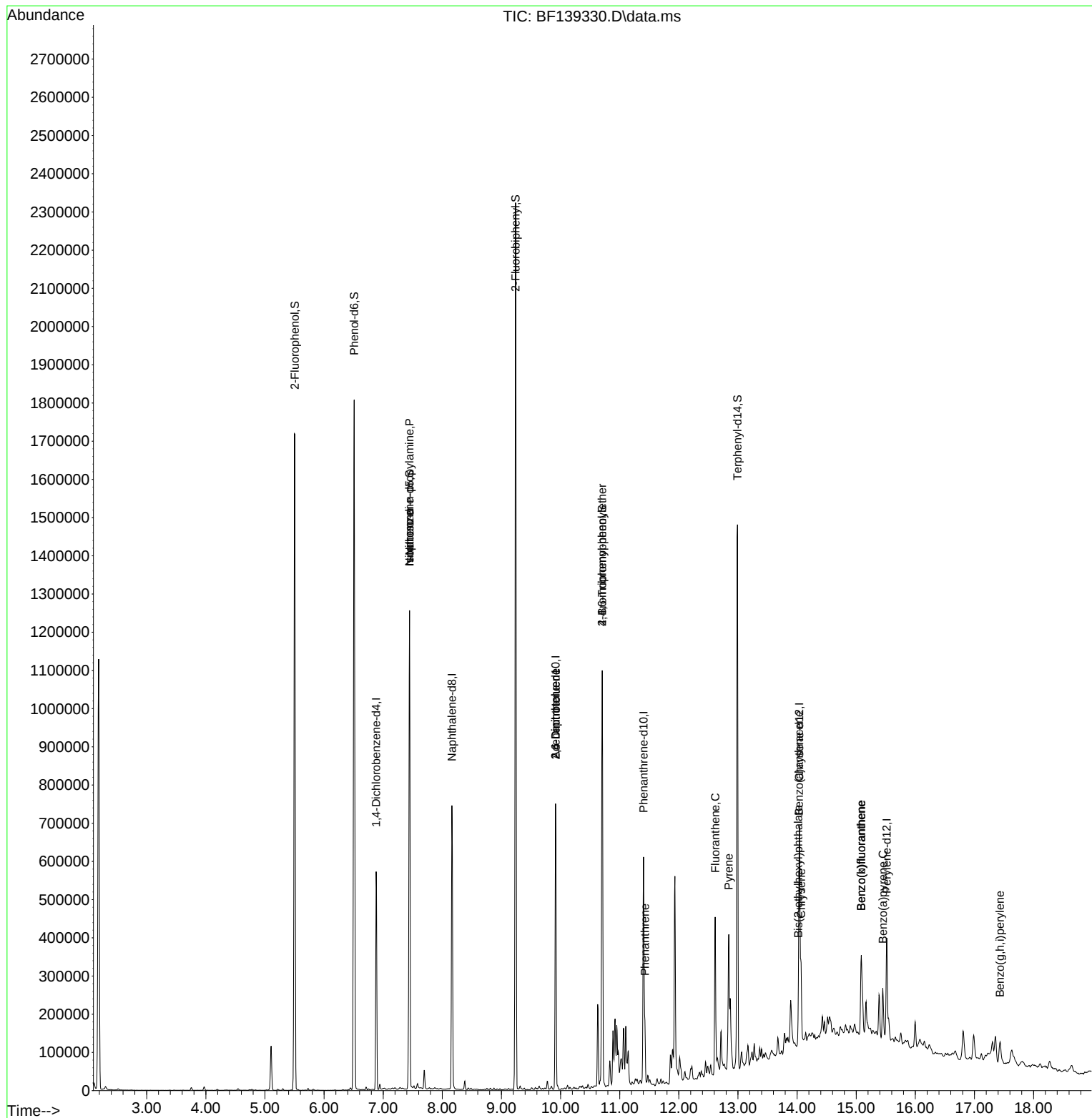
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	115338	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	428158	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	212618	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	301302	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	193752	20.000	ng	-0.01
86) Perylene-d12	15.515	264	151350	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	605824	87.869	ng	0.00
7) Phenol-d6	6.510	99	820760	89.172	ng	0.00
23) Nitrobenzene-d5	7.445	82	531356	64.562	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	156744	85.373	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	966635	70.179	ng	-0.01
79) Terphenyl-d14	12.992	244	685337	57.111	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	73765	13.915	ng	# 74
25) Isophorone	7.445	82	529752	37.649	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	26693	9.130	ng	# 18
57) 2,4-Dinitrotoluene	9.916	165	26693	7.174	ng	# 18
67) 4-Bromophenyl-phenylether	10.704	248	11118	3.803	ng	# 1
71) Phenanthrene	11.427	178	82436	5.857	ng	100
75) Fluoranthene	12.615	202	222252	15.750	ng	99
78) Pyrene	12.845	202	205190	10.963	ng	99
81) Benzo(a)anthracene	14.033	228	122256	9.882	ng	94
83) Chrysene	14.068	228	109387	9.473	ng	97
84) Bis(2-ethylhexyl)phtha...	14.021	149	12643	2.445	ng	# 98
88) Benzo(b)fluoranthene	15.086	252	176455	20.245	ng	99
89) Benzo(k)fluoranthene	15.086	252	176455	22.579	ng	98
90) Benzo(a)pyrene	15.451	252	79436	10.733	ng	99
92) Benzo(g,h,i)perylene	17.433	276	53705	6.677	ng	96

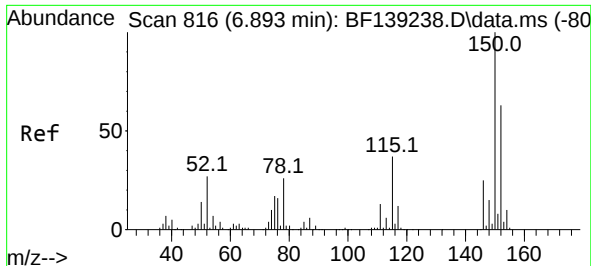
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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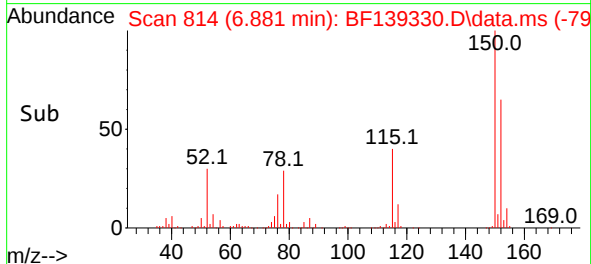
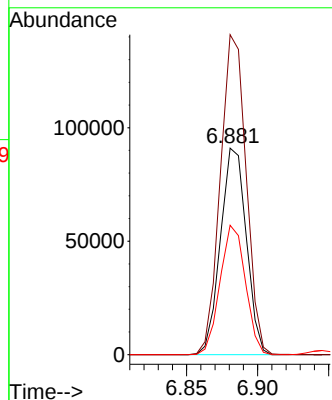
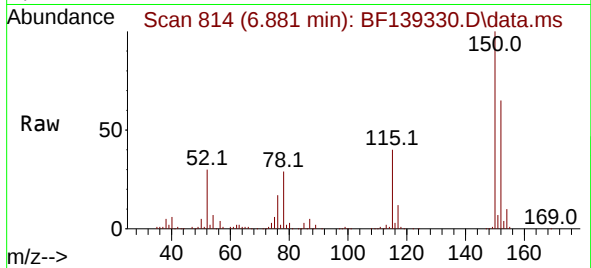




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

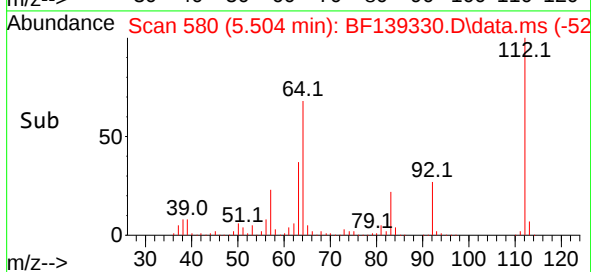
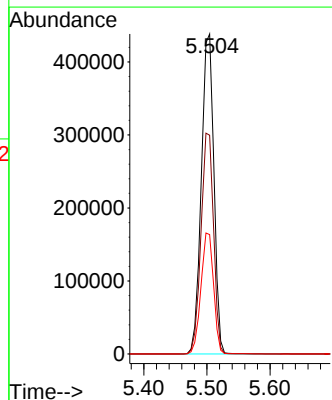
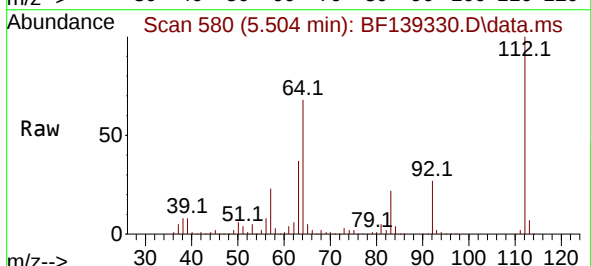
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-01

Tgt Ion:152 Resp: 115338
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.4
115 62.6 46.9 70.3



#5
2-Fluorophenol
Concen: 87.869 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

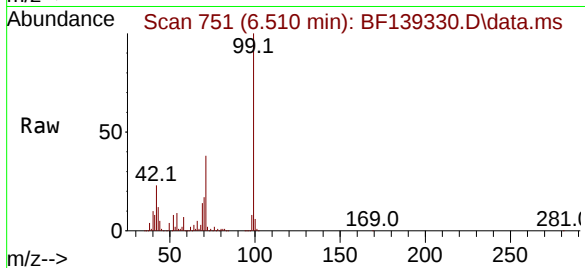
Tgt Ion:112 Resp: 605824
Ion Ratio Lower Upper
112 100
64 68.3 55.0 82.4
63 37.3 29.9 44.9



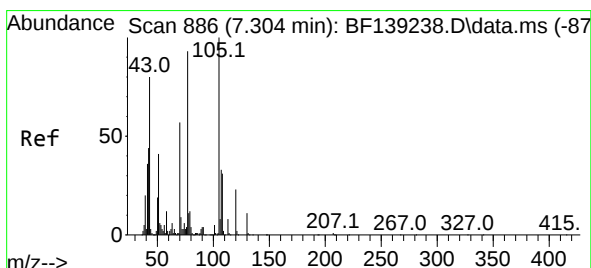
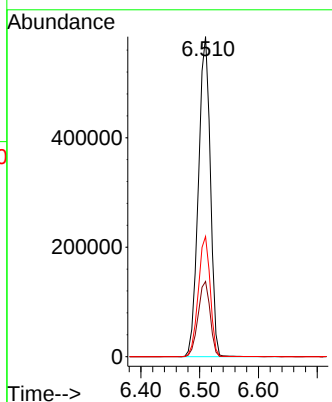
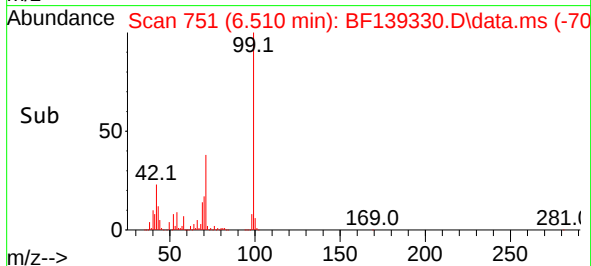


#7
Phenol-d6
Concen: 89.172 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-01

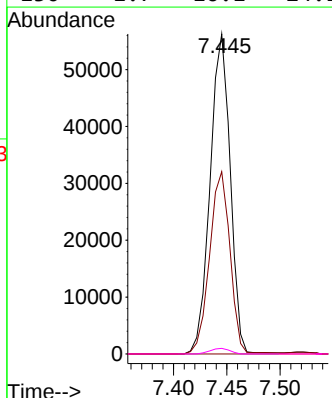
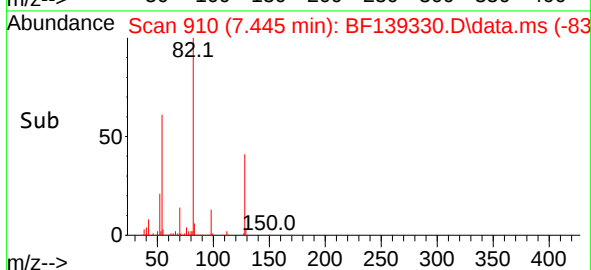
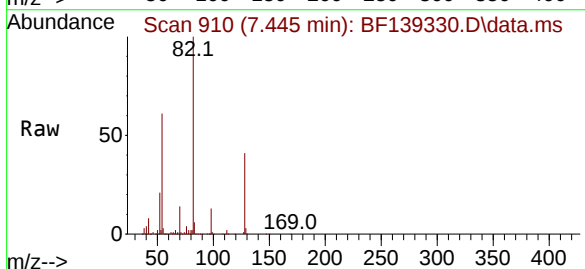


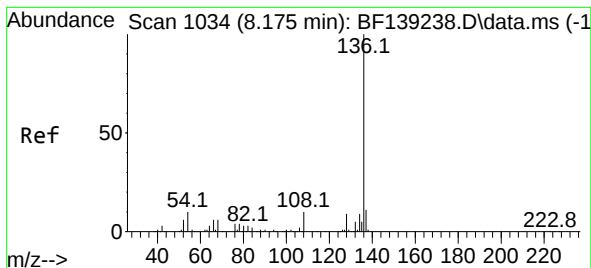
Tgt Ion: 99 Resp: 820760
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 37.6 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.915 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

Tgt Ion: 70 Resp: 73765
Ion Ratio Lower Upper
70 100
42 57.0 61.0 91.6#
101 0.0 7.2 10.8#
130 1.7 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01

Tgt Ion:136 Resp: 428158

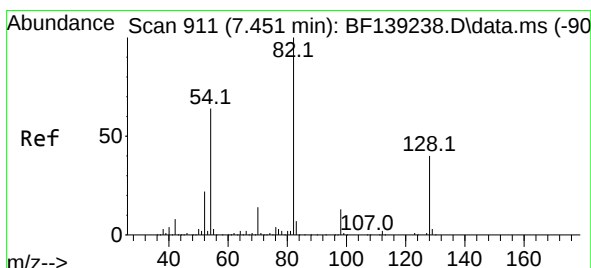
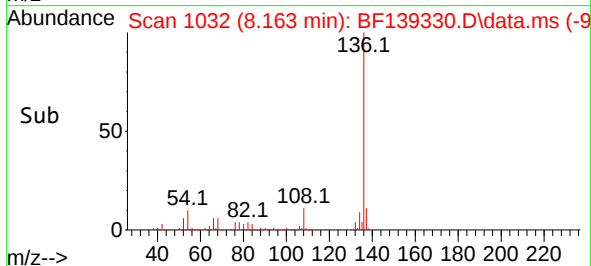
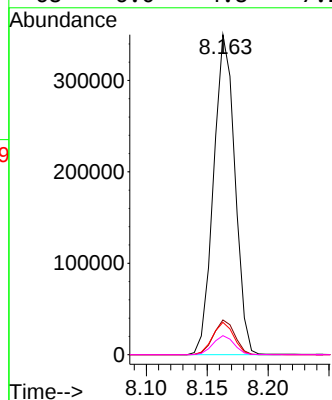
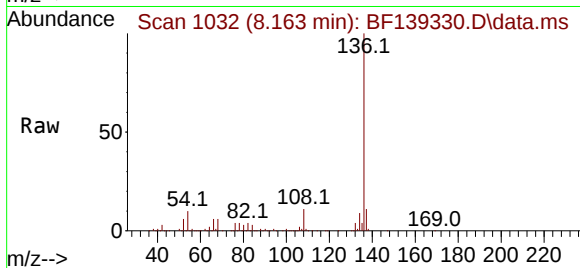
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.1 8.4 12.6

68 6.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 64.562 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

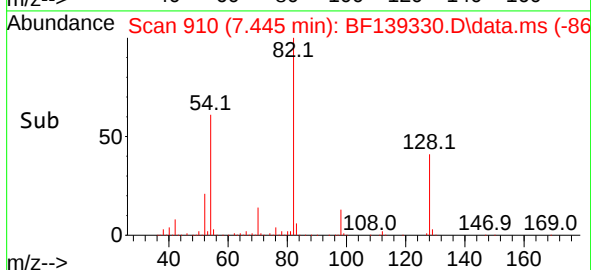
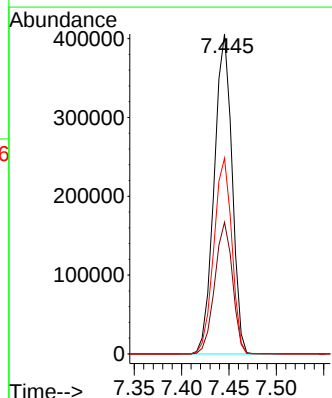
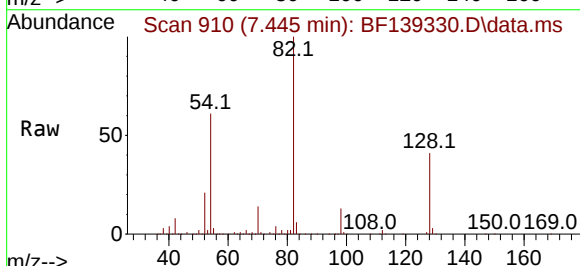
Tgt Ion: 82 Resp: 531356

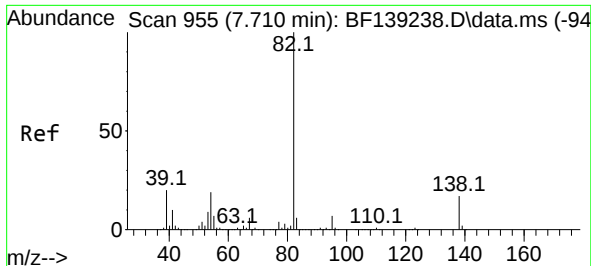
Ion Ratio Lower Upper

82 100

128 41.2 32.3 48.5

54 61.2 51.2 76.8

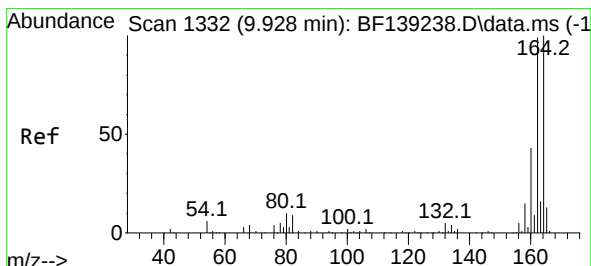
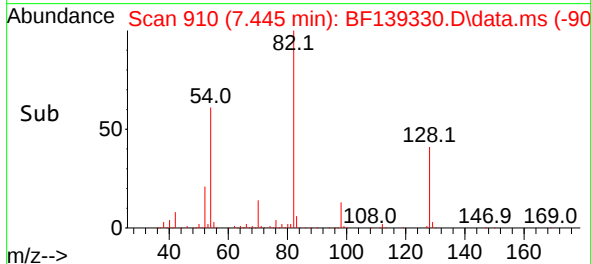
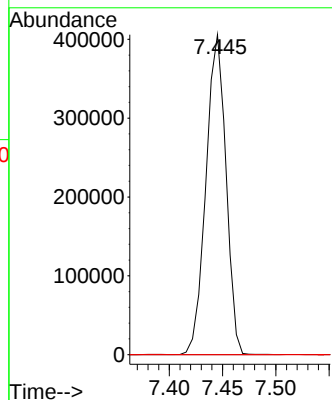
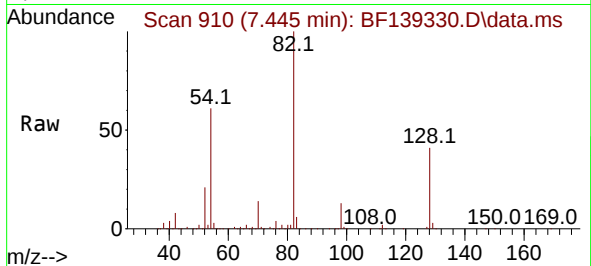




#25
Isophorone
Concen: 37.649 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

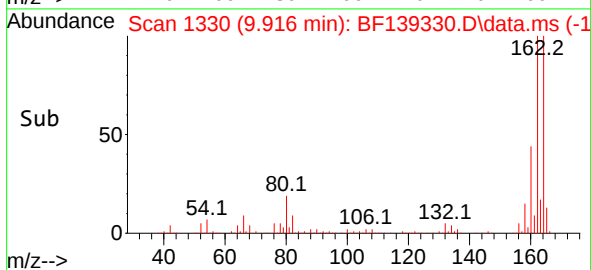
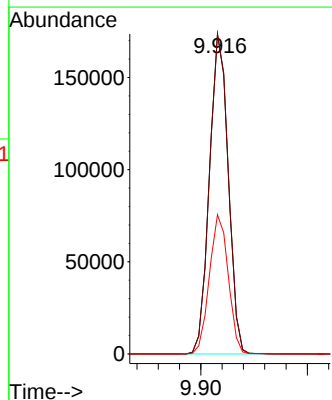
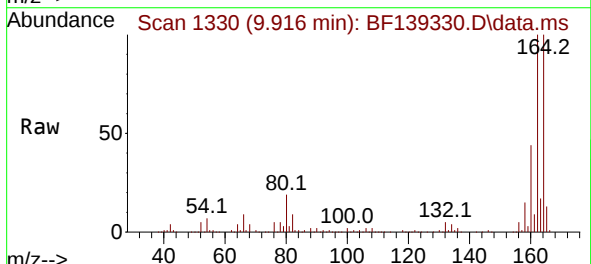
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-01

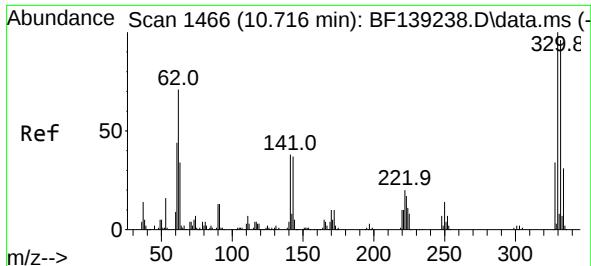
Tgt Ion: 82 Resp: 529752
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

Tgt Ion: 164 Resp: 212618
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 43.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 85.373 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF139330.D

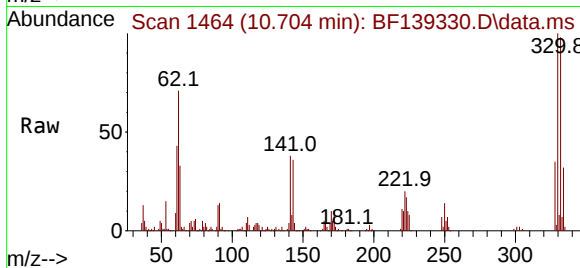
Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01



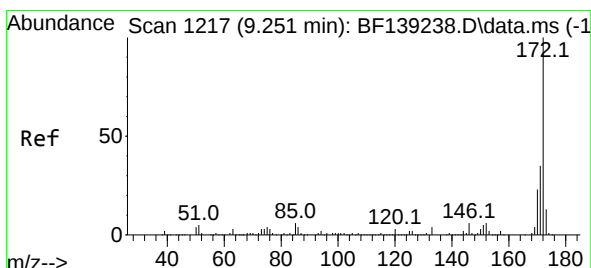
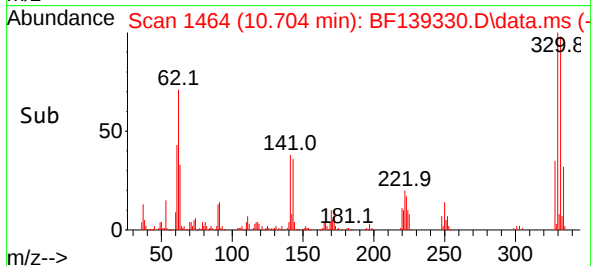
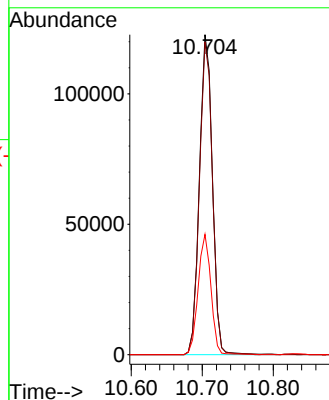
Tgt Ion:330 Resp: 156744

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

141 37.1 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 70.179 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

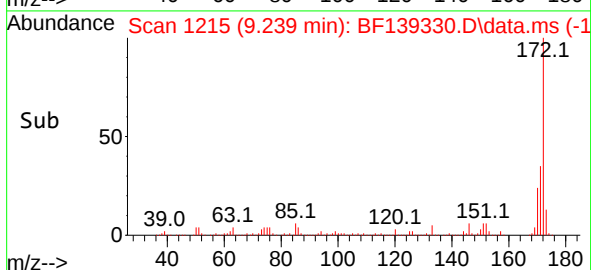
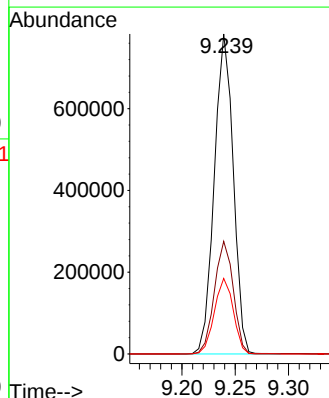
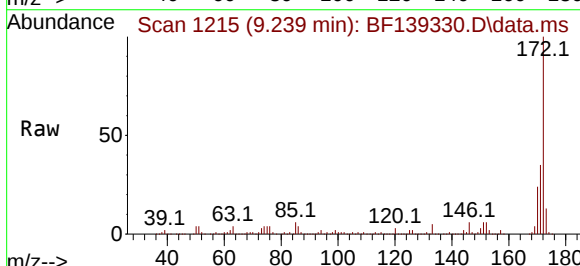
Tgt Ion:172 Resp: 966635

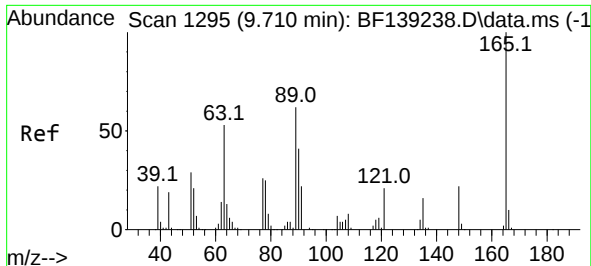
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.6 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.130 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01

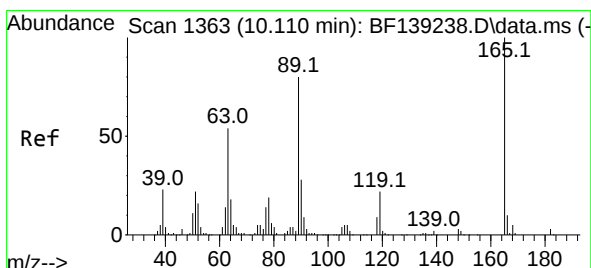
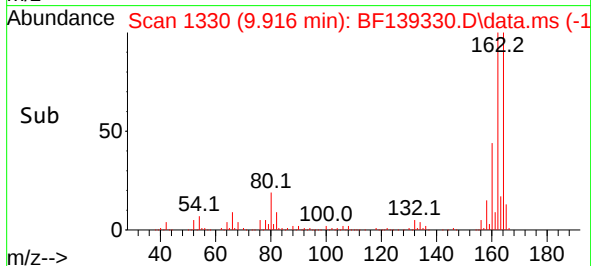
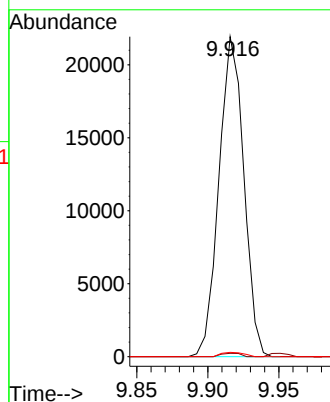
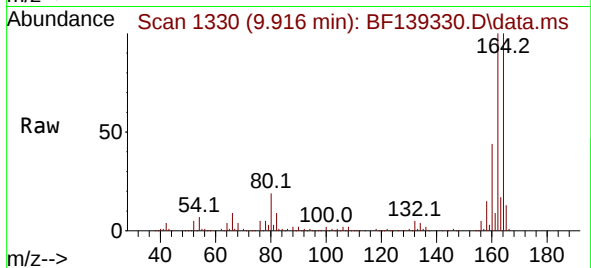
Tgt Ion:165 Resp: 26693

Ion Ratio Lower Upper

165 100

63 1.1 56.1 84.1#

89 1.4 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.174 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Tgt Ion:165 Resp: 26693

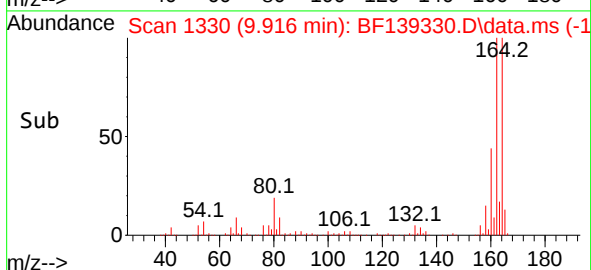
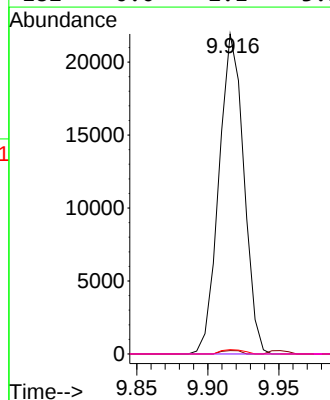
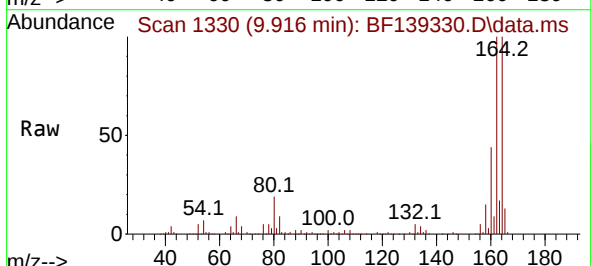
Ion Ratio Lower Upper

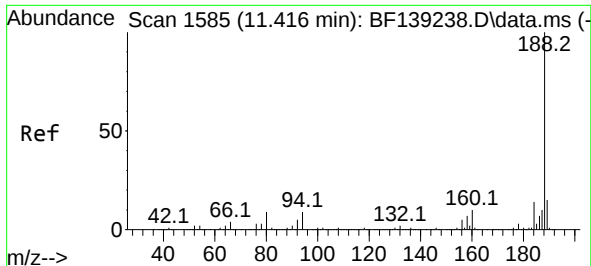
165 100

63 1.1 43.4 65.0#

89 1.4 64.2 96.4#

182 0.0 2.1 3.1#

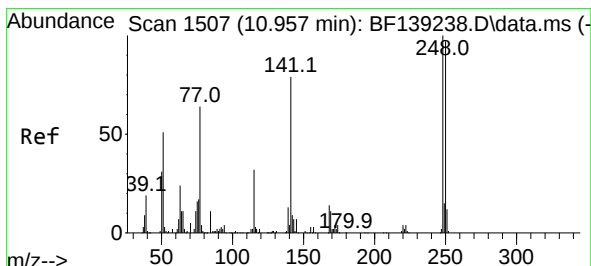
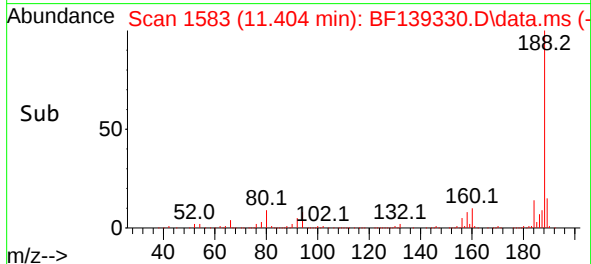
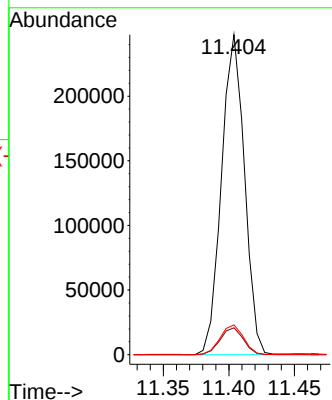
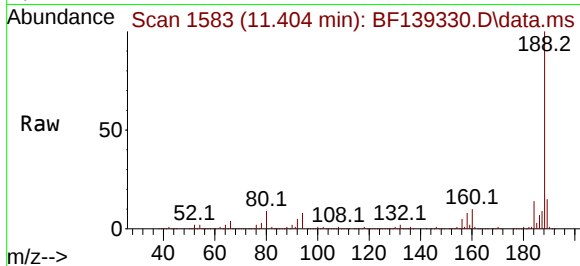




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

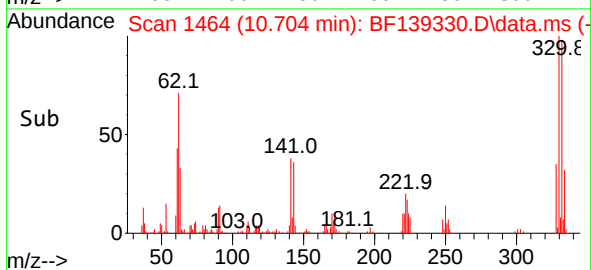
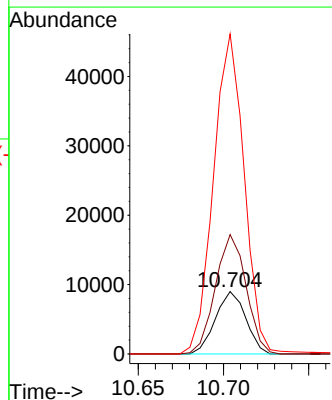
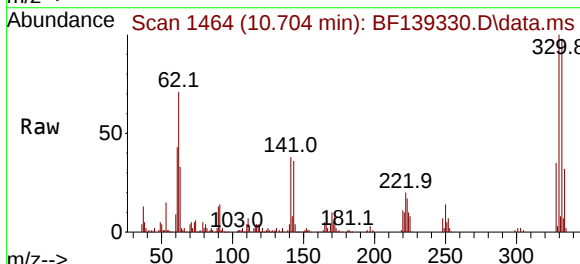
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-01

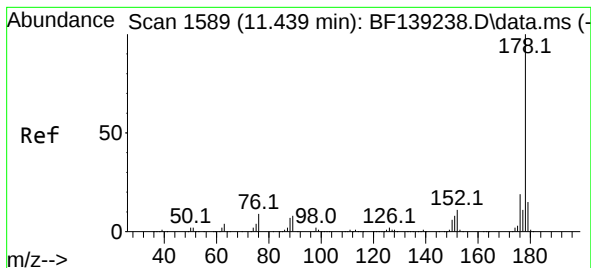
Tgt Ion:188 Resp: 301302
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.3 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 3.803 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF139330.D
Acq: 11 Sep 2024 17:17

Tgt Ion:248 Resp: 11118
Ion Ratio Lower Upper
248 100
250 191.2 77.2 115.8#
141 512.4 63.6 95.4#





#71

Phenanthrene

Concen: 5.857 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01

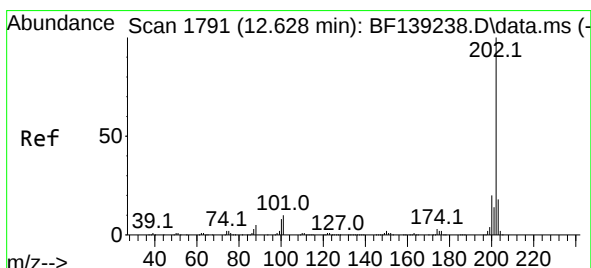
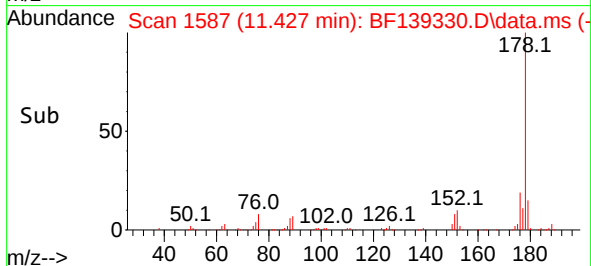
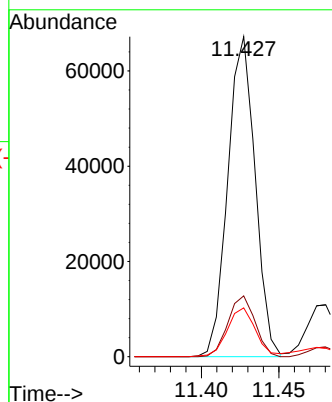
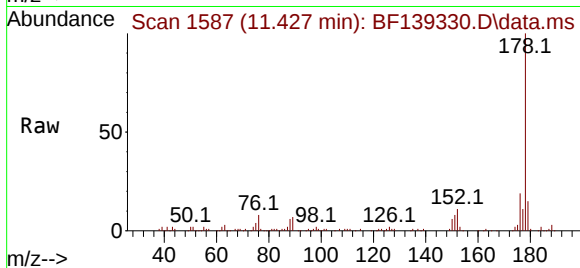
Tgt Ion:178 Resp: 82436

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.2 12.3 18.5



#75

Fluoranthene

Concen: 15.750 ng

RT: 12.615 min Scan# 1789

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

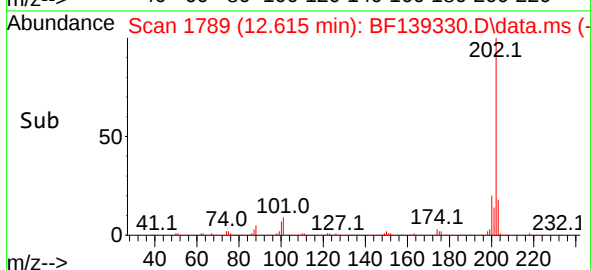
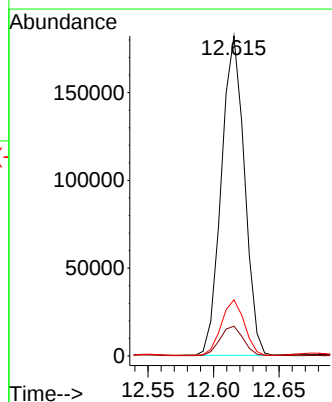
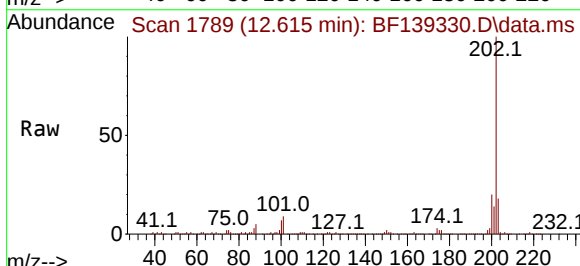
Tgt Ion:202 Resp: 222252

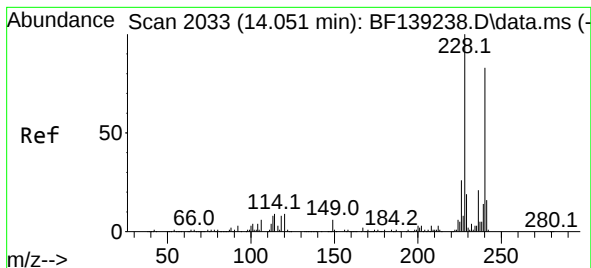
Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.9

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01

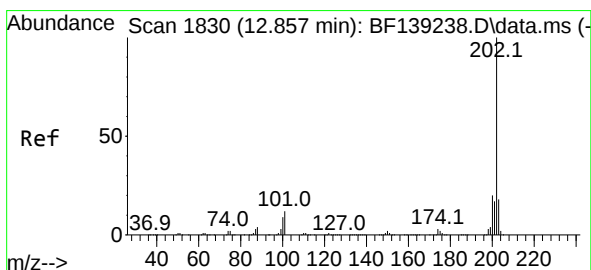
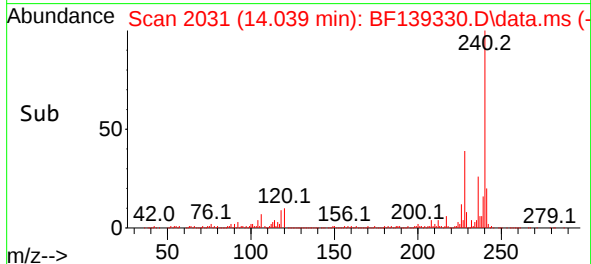
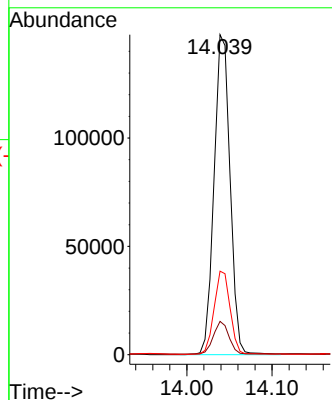
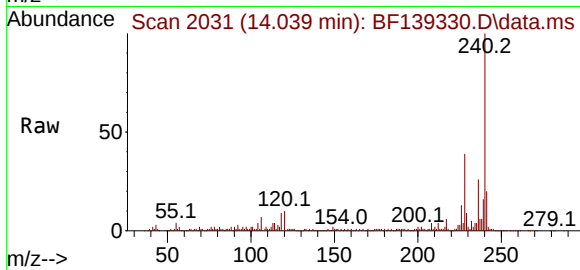
Tgt Ion:240 Resp: 193752

Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

236 26.1 20.7 31.1



#78

Pyrene

Concen: 10.963 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

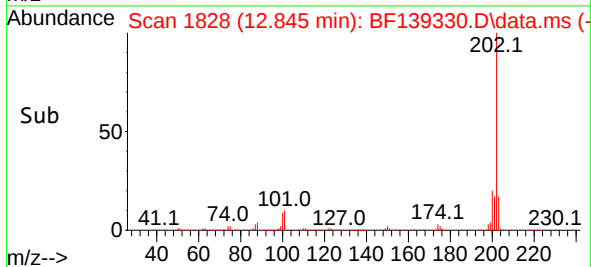
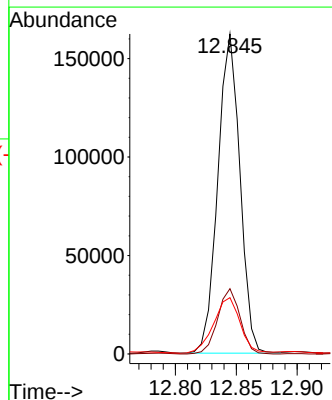
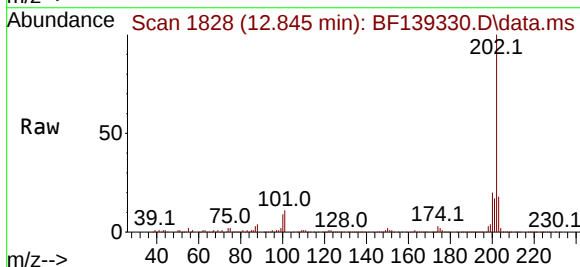
Tgt Ion:202 Resp: 205190

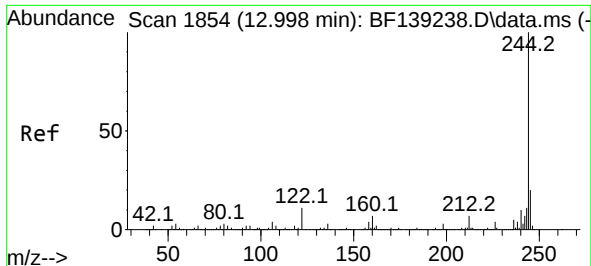
Ion Ratio Lower Upper

202 100

200 20.4 15.8 23.8

203 17.6 14.1 21.1

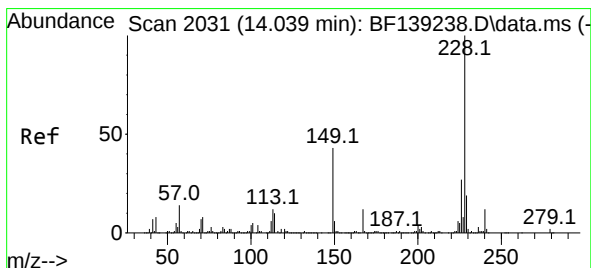
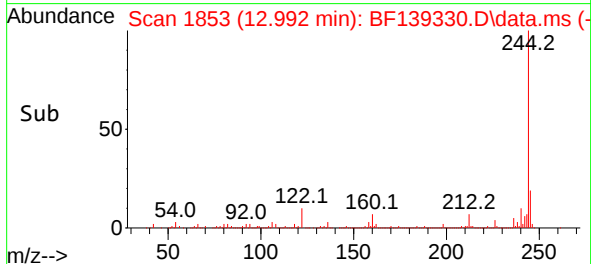
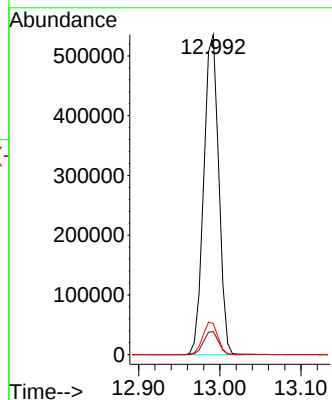
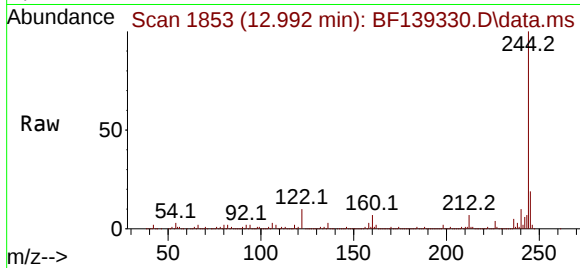




#79
 Terphenyl-d14
 Concen: 57.111 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139330.D
 Acq: 11 Sep 2024 17:17

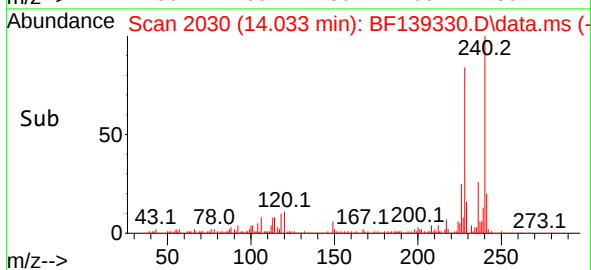
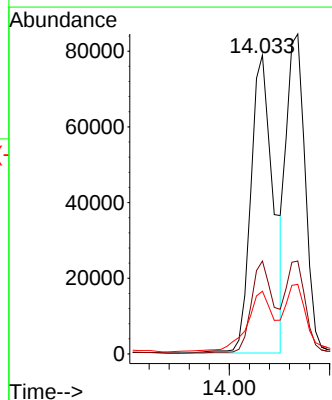
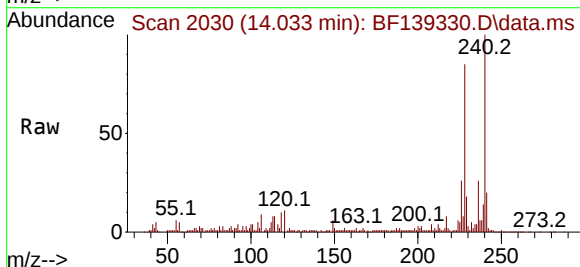
Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-01

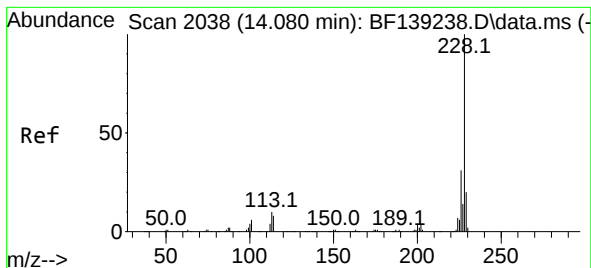
Tgt Ion:244 Resp: 685337
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.7 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 9.882 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF139330.D
 Acq: 11 Sep 2024 17:17

Tgt Ion:228 Resp: 122256
 Ion Ratio Lower Upper
 228 100
 226 31.1 21.5 32.3
 229 21.0 15.6 23.4





#83

Chrysene

Concen: 9.473 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01

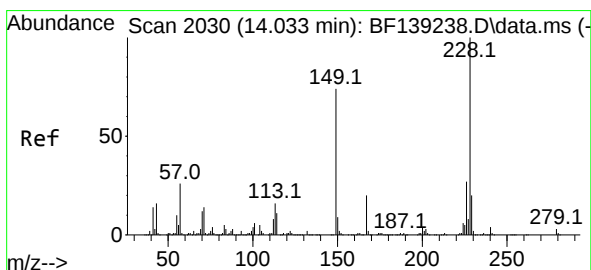
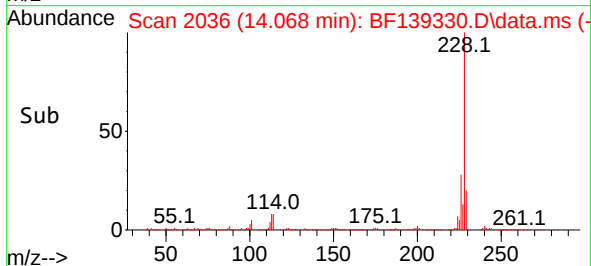
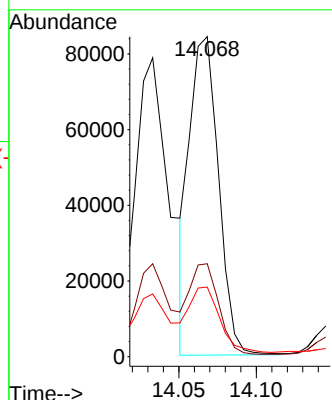
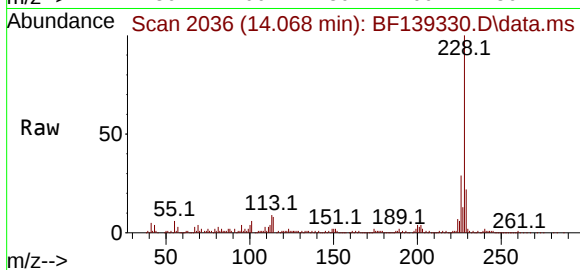
Tgt Ion:228 Resp: 109387

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.8

229 21.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.445 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

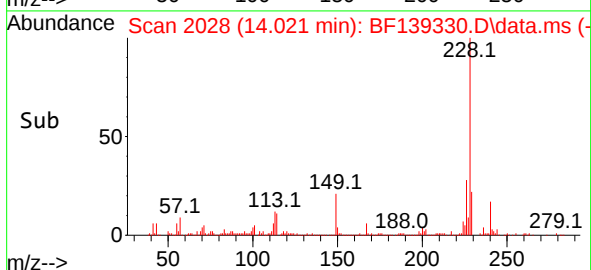
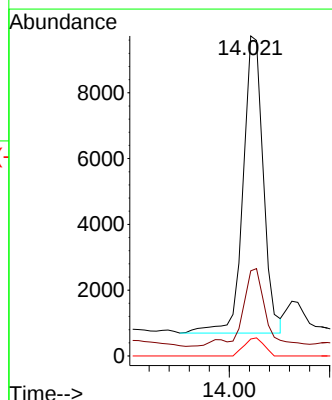
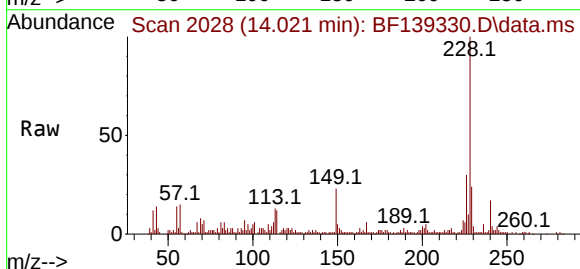
Tgt Ion:149 Resp: 12643

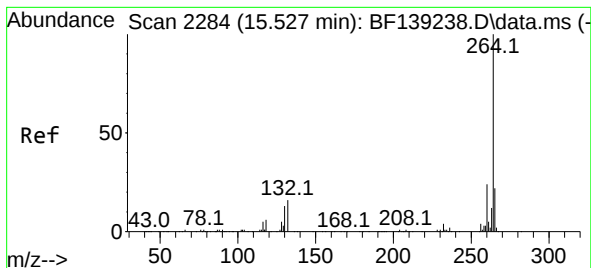
Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.6

279 5.3 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01

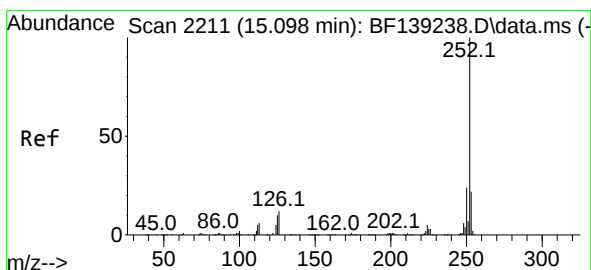
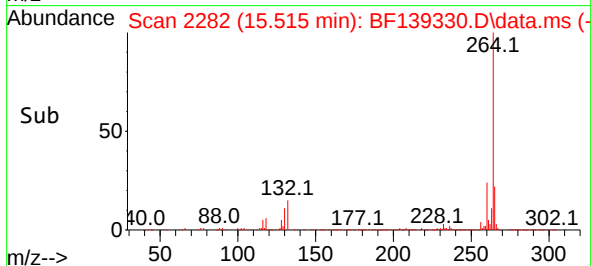
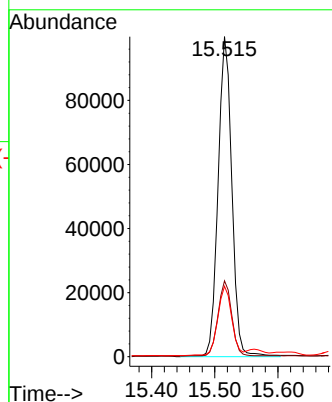
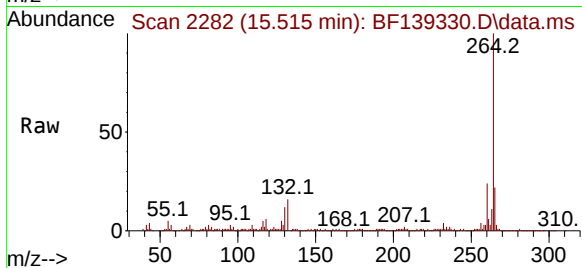
Tgt Ion:264 Resp: 151350

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.0 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 20.245 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

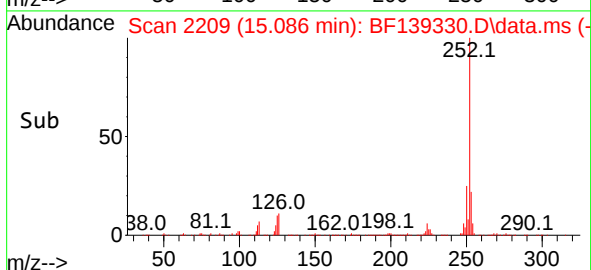
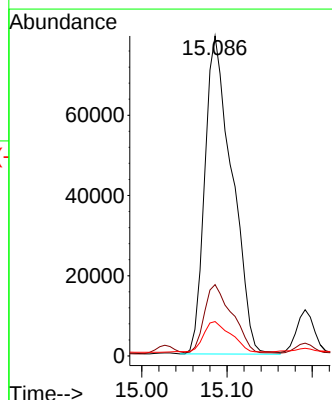
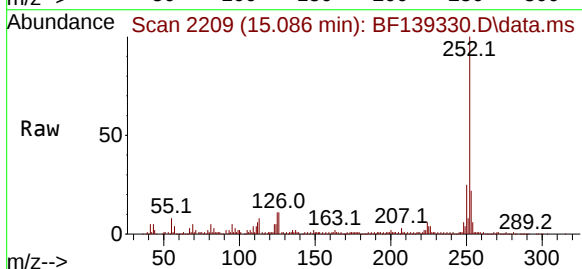
Tgt Ion:252 Resp: 176455

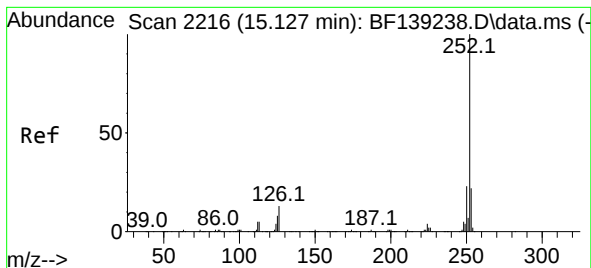
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.7 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 22.579 ng

RT: 15.086 min Scan# 2216

Delta R.T. -0.041 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-01

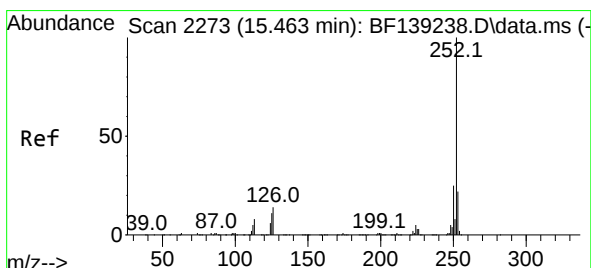
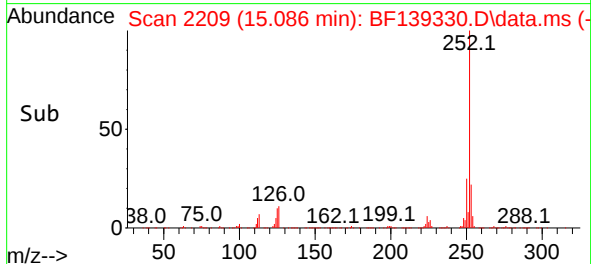
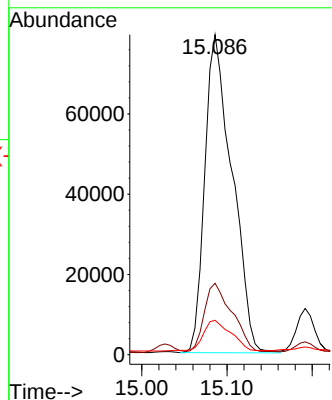
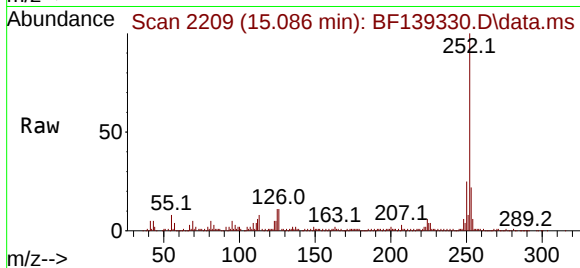
Tgt Ion:252 Resp: 176455

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.7 7.2 10.8



#90

Benzo(a)pyrene

Concen: 10.733 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF139330.D

Acq: 11 Sep 2024 17:17

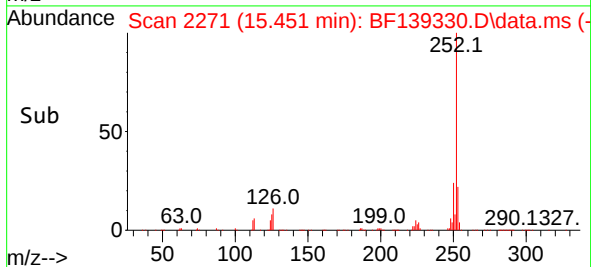
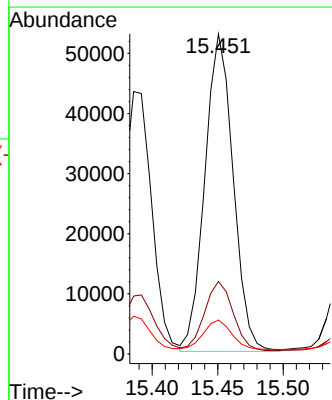
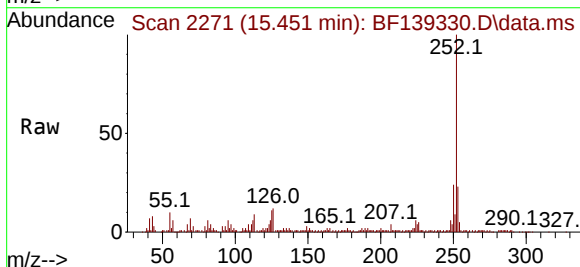
Tgt Ion:252 Resp: 79436

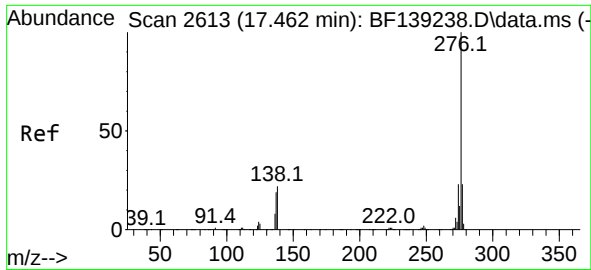
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

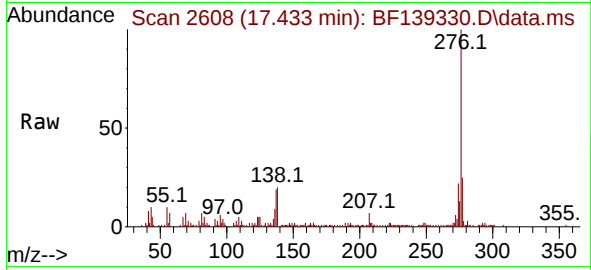
125 10.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.677 ng
 RT: 17.433 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF139330.D
 Acq: 11 Sep 2024 17:17

Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-01



Tgt Ion: 276 Resp: 53705

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	27.8
138	20.3	17.4	26.0

