

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139311.D
 Acq On : 10 Sep 2024 20:59
 Operator : RC/JU
 Sample : P3906-13 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-03

Quant Time: Sep 11 01:32:16 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)

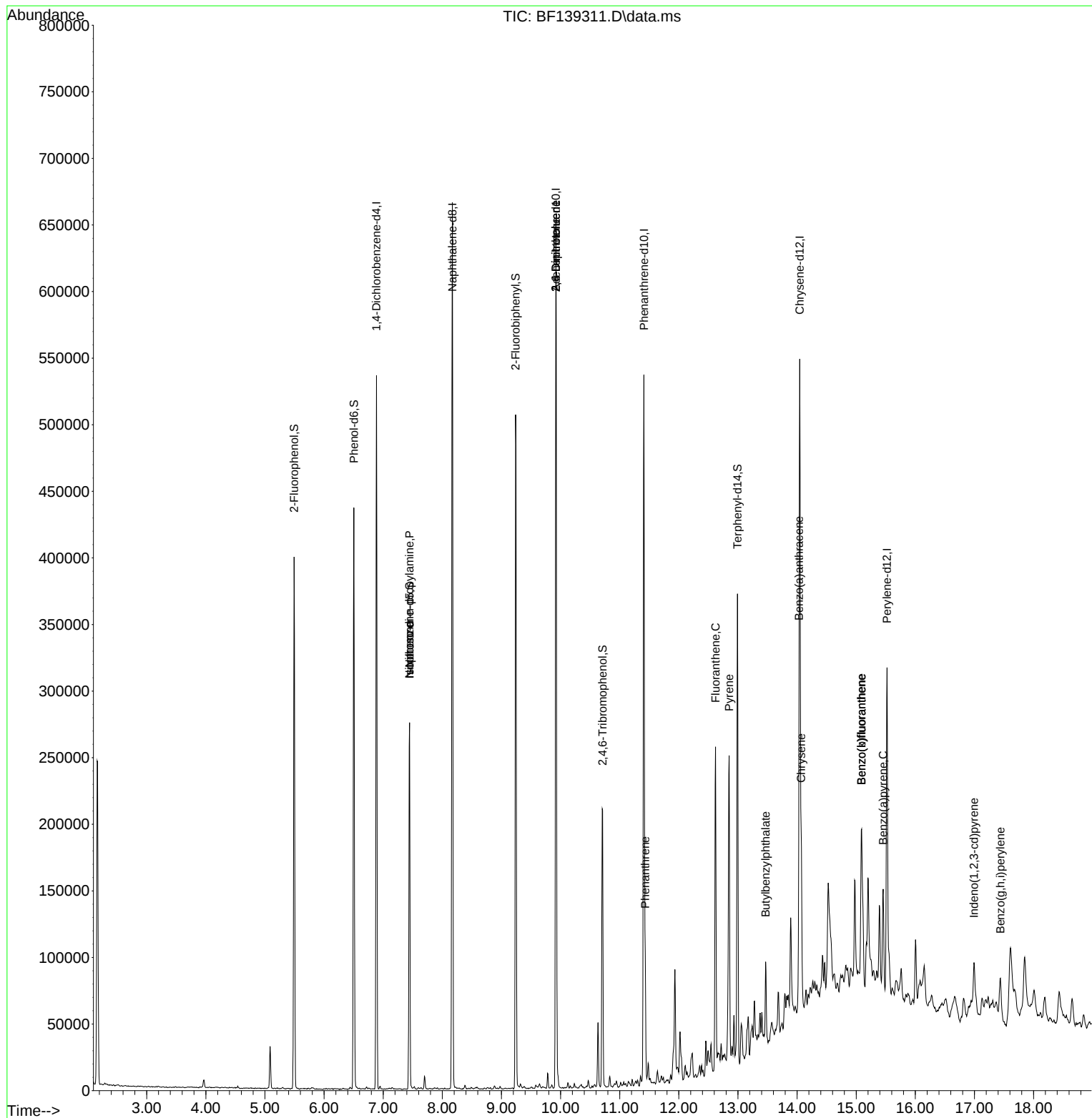
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	103329	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	375890	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	190642	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	274076	20.000	ng	0.00
76) Chrysene-d12	14.045	240	184140	20.000	ng	0.00
86) Perylene-d12	15.521	264	138852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	127605	20.659	ng	-0.01
7) Phenol-d6	6.504	99	173755	21.072	ng	-0.01
23) Nitrobenzene-d5	7.445	82	111991	15.499	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	32162	19.537	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	220600	17.862	ng	-0.01
79) Terphenyl-d14	12.992	244	159821	14.013	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	14524	3.058	ng	# 79
25) Isophorone	7.445	82	111909	9.059	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	24482	9.339	ng	# 19
57) 2,4-Dinitrotoluene	9.922	165	24482	7.338	ng	# 19
71) Phenanthrene	11.433	178	48233	3.767	ng	99
75) Fluoranthene	12.621	202	133958	10.436	ng	98
78) Pyrene	12.851	202	132199	7.432	ng	99
80) Butylbenzylphthalate	13.469	149	17529	4.186	ng	97
81) Benzo(a)anthracene	14.033	228	67128	5.709	ng	94
83) Chrysene	14.068	228	67577	6.158	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	23569	2.717	ng	94
88) Benzo(b)fluoranthene	15.092	252	93054	11.637	ng	# 97
89) Benzo(k)fluoranthene	15.092	252	93054	12.979	ng	# 96
90) Benzo(a)pyrene	15.457	252	45001	6.628	ng	97
92) Benzo(g,h,i)perylene	17.439	276	24710	3.349	ng	96

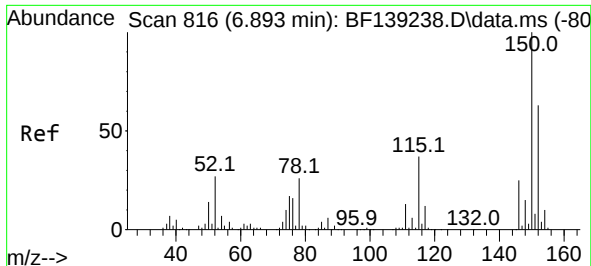
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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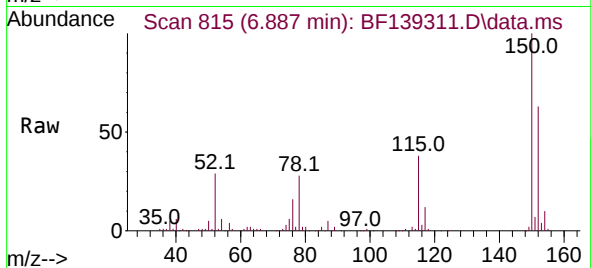
Quant Time: Sep 11 01:32:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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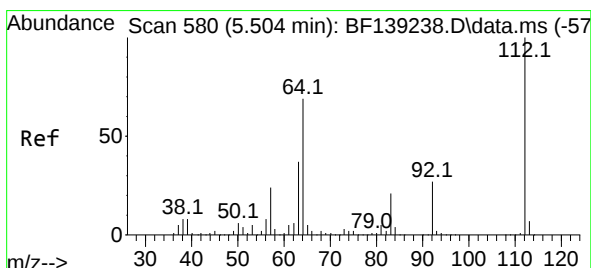
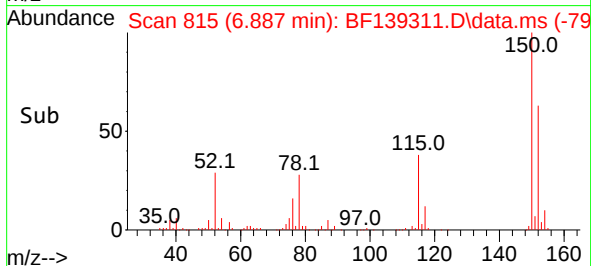
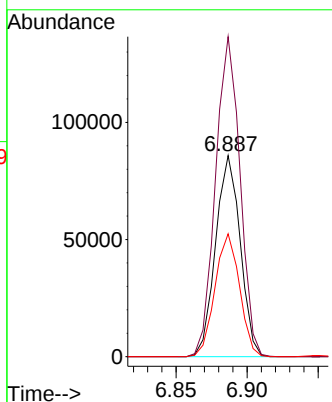


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-03

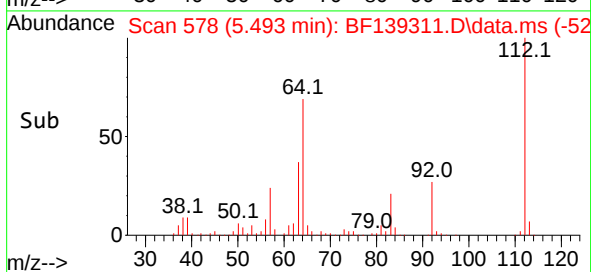
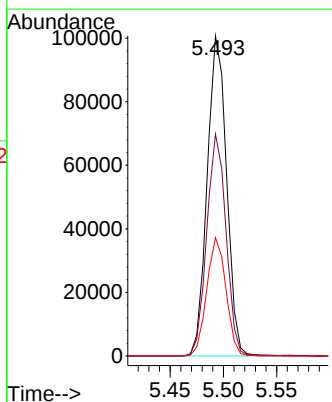
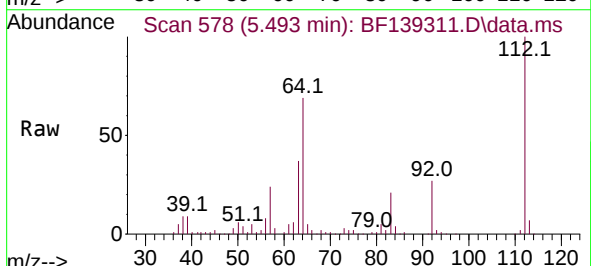


Tgt Ion:152 Resp: 103329
Ion Ratio Lower Upper
152 100
150 159.1 127.0 190.4
115 61.1 46.9 70.3



#5
2-Fluorophenol
Concen: 20.659 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

Tgt Ion:112 Resp: 127605
Ion Ratio Lower Upper
112 100
64 69.3 55.0 82.4
63 37.0 29.9 44.9

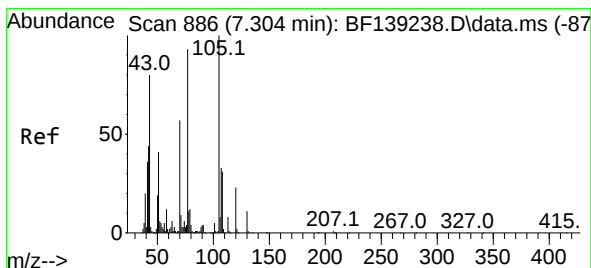
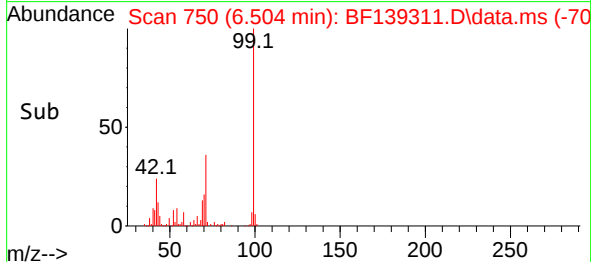
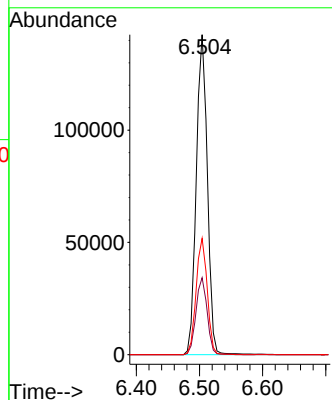
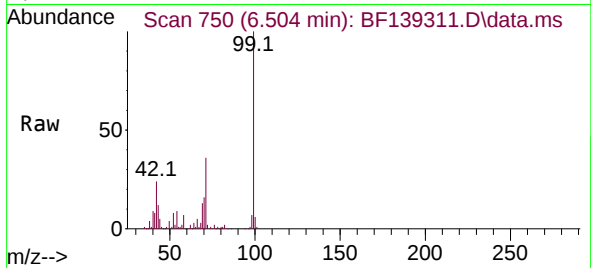




#7
Phenol-d6
Concen: 21.072 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

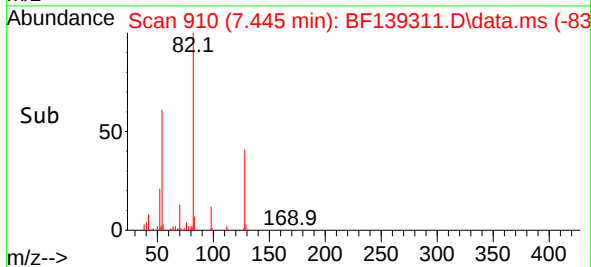
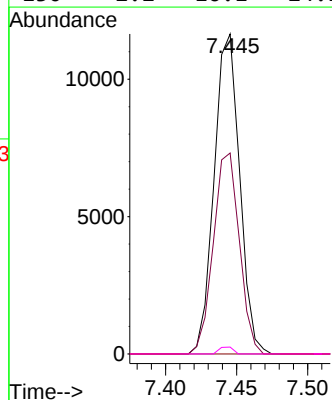
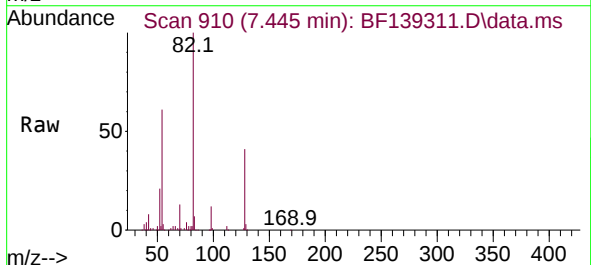
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-03

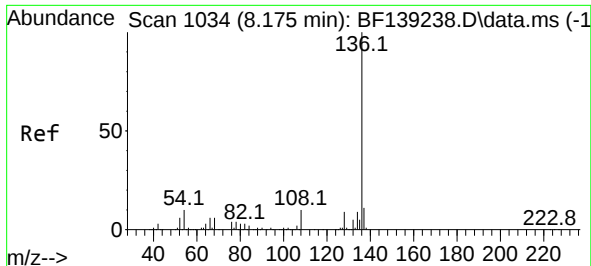
Tgt Ion: 99 Resp: 173755
Ion Ratio Lower Upper
99 100
42 24.0 19.8 29.6
71 36.4 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 3.058 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

Tgt Ion: 70 Resp: 14524
Ion Ratio Lower Upper
70 100
42 62.8 61.0 91.6
101 0.0 7.2 10.8#
130 2.2 16.1 24.1#

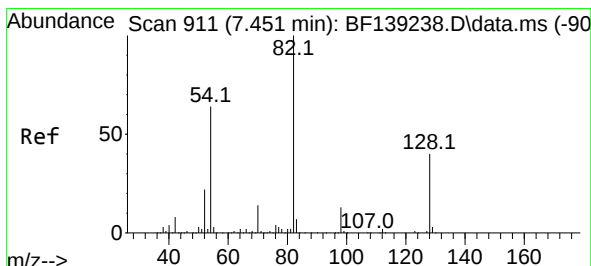
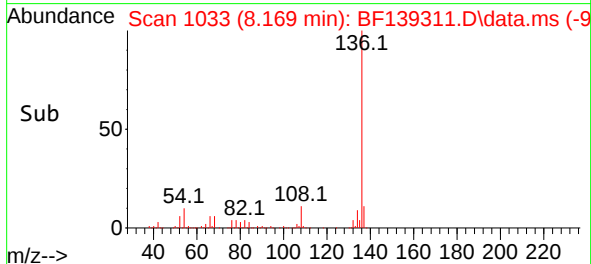
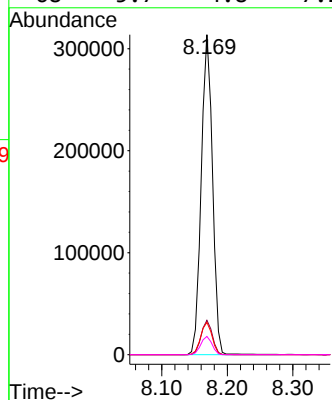
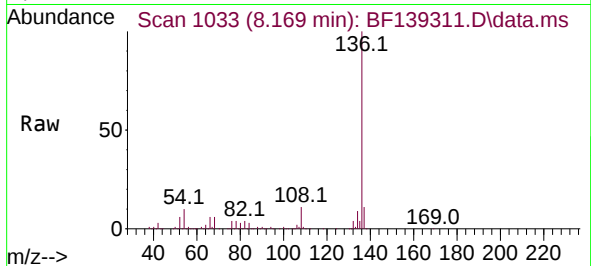




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

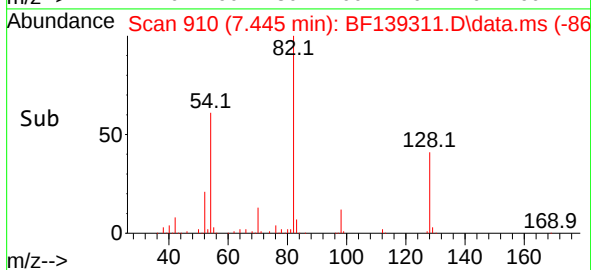
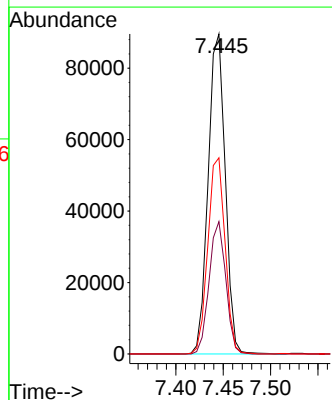
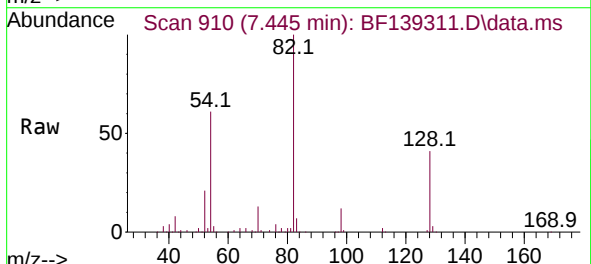
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-03

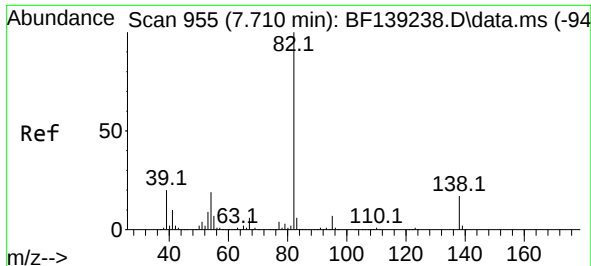
Tgt Ion:136	Resp: 375890
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 10.1	8.4 12.6
68 5.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 15.499 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

Tgt Ion: 82	Resp: 111991
Ion Ratio	Lower Upper
82 100	
128 41.3	32.3 48.5
54 61.3	51.2 76.8

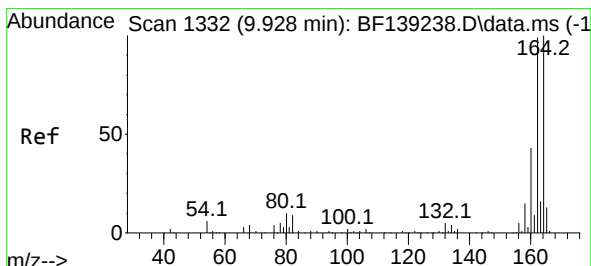
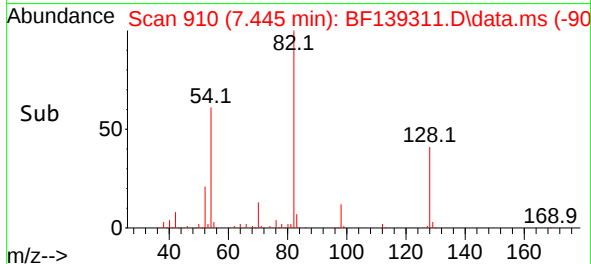
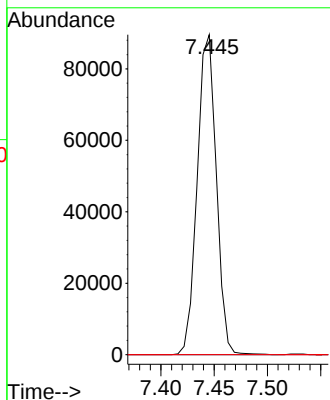
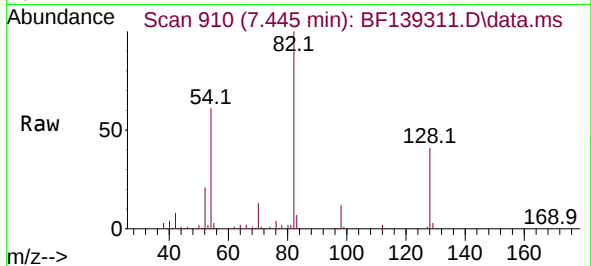




#25
Isophorone
Concen: 9.059 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

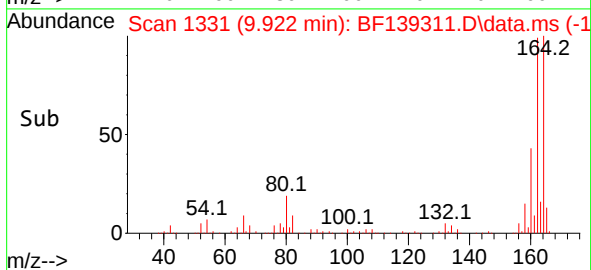
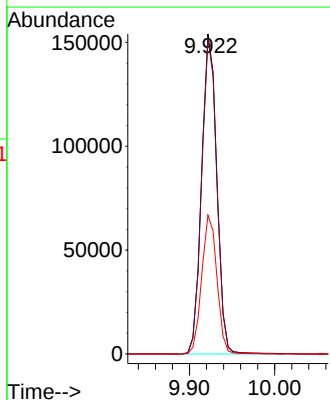
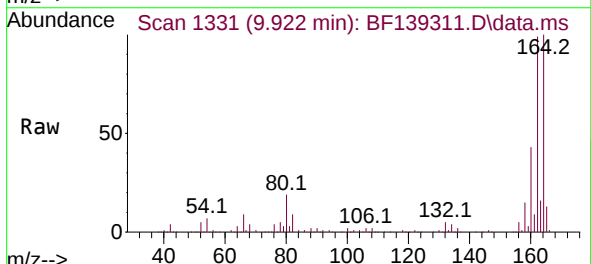
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-03

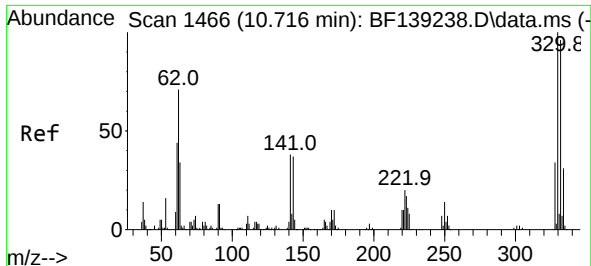
Tgt Ion: 82 Resp: 111909
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

Tgt Ion: 164 Resp: 190642
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 43.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 19.537 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139311.D

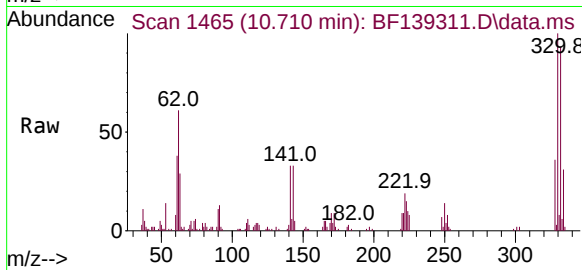
Acq: 10 Sep 2024 20:59

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-03



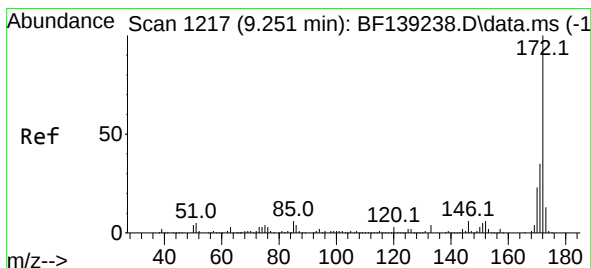
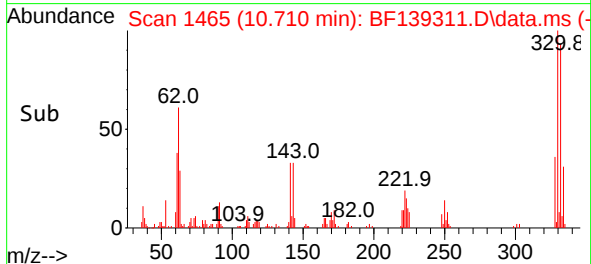
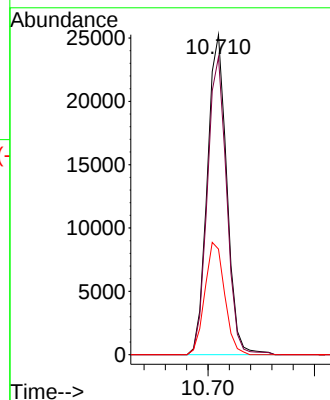
Tgt Ion:330 Resp: 32162

Ion Ratio Lower Upper

330 100

332 92.1 76.6 115.0

141 35.6 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 17.862 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

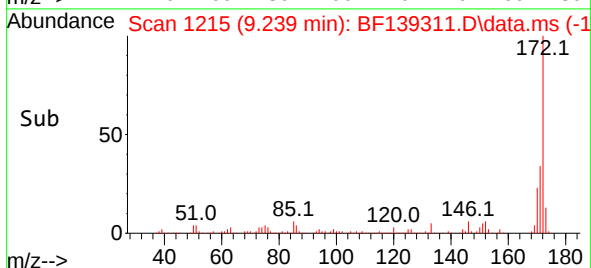
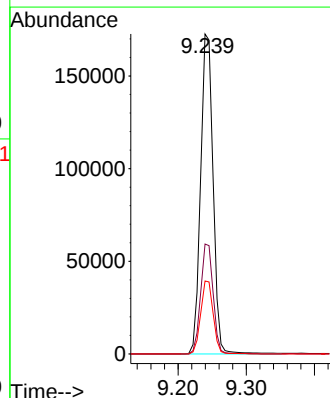
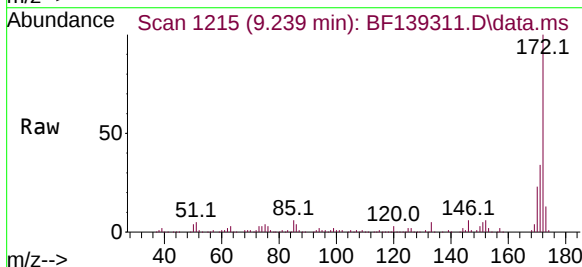
Tgt Ion:172 Resp: 220600

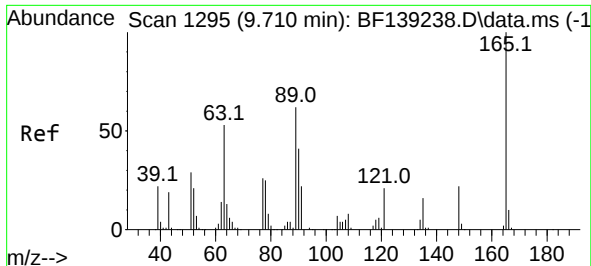
Ion Ratio Lower Upper

172 100

171 34.3 28.3 42.5

170 22.8 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.339 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-03

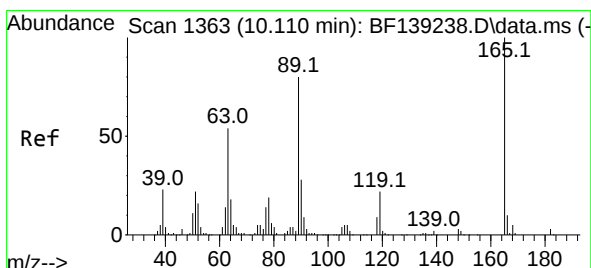
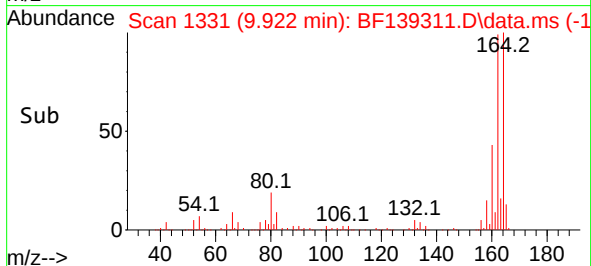
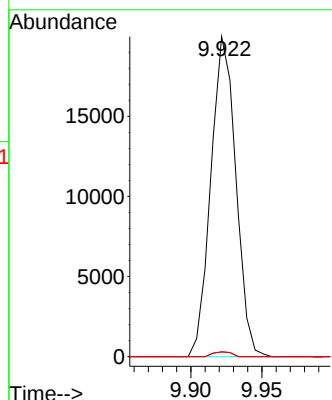
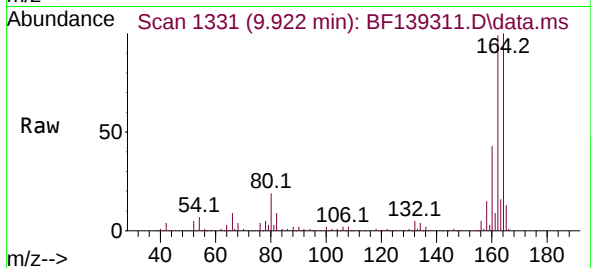
Tgt Ion:165 Resp: 24482

Ion Ratio Lower Upper

165 100

63 1.5 56.1 84.1#

89 1.5 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.338 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.188 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

Tgt Ion:165 Resp: 24482

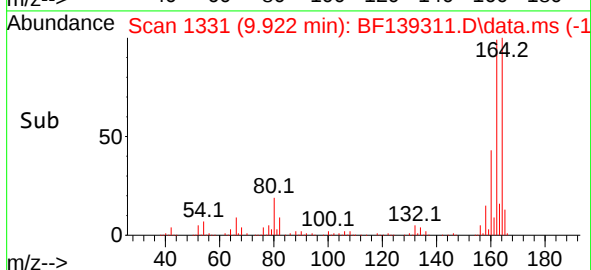
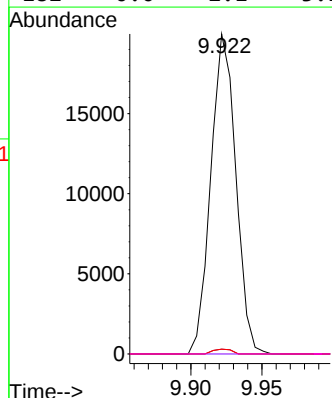
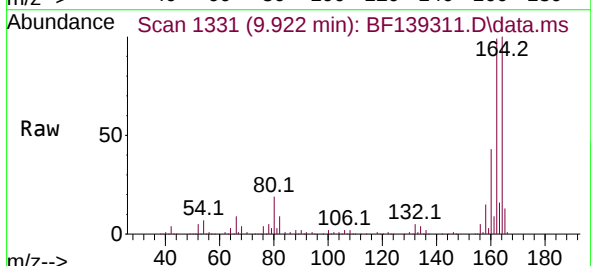
Ion Ratio Lower Upper

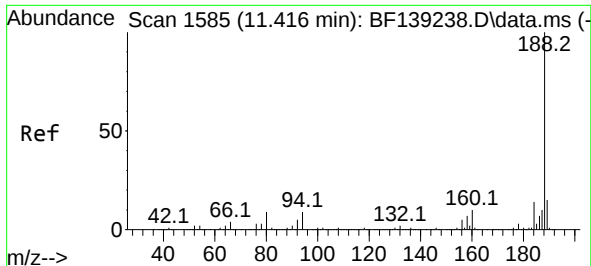
165 100

63 1.5 43.4 65.0#

89 1.5 64.2 96.4#

182 0.0 2.1 3.1#

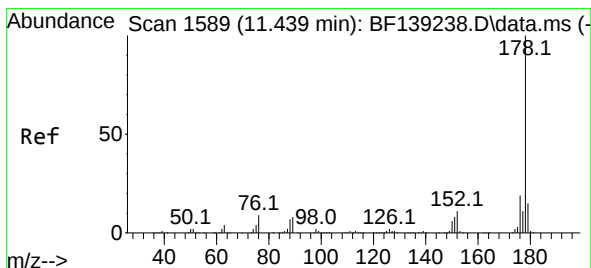
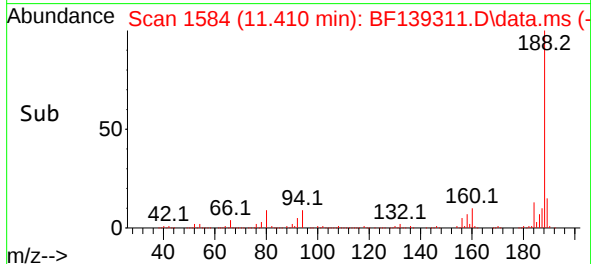
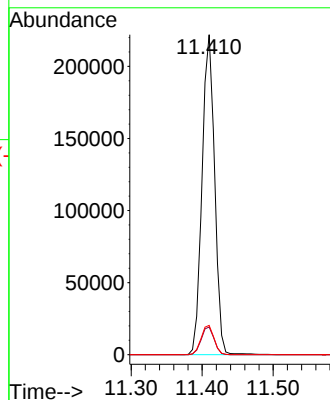
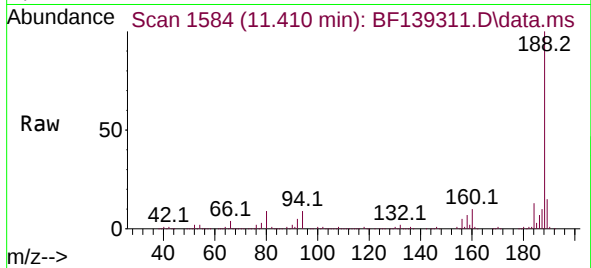




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

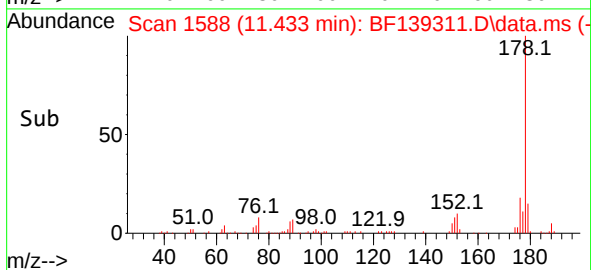
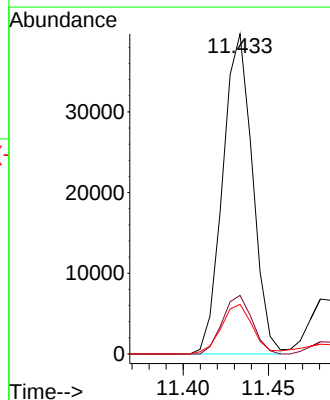
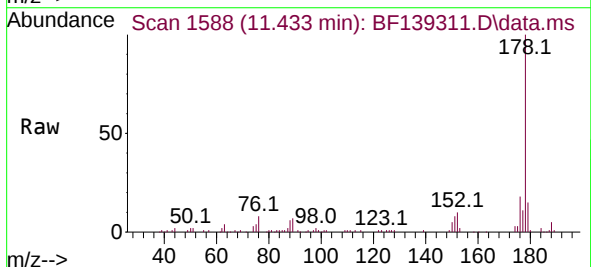
Instrument :
BNA_F
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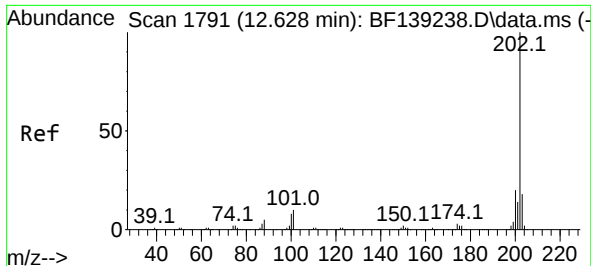
Tgt Ion:188 Resp: 274076
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.1 7.3 10.9



#71
Phenanthrene
Concen: 3.767 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

Tgt Ion:178 Resp: 48233
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.5 12.3 18.5

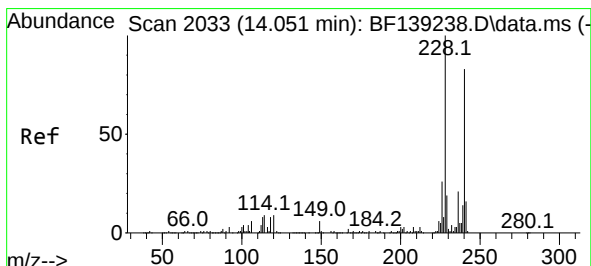
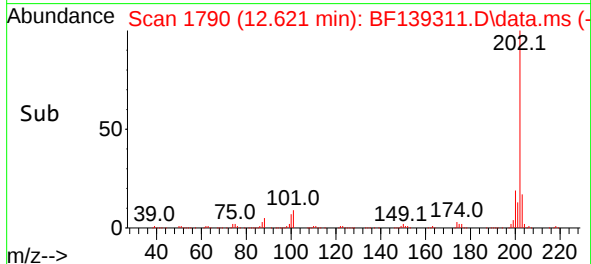
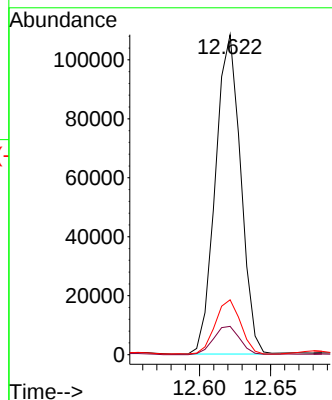
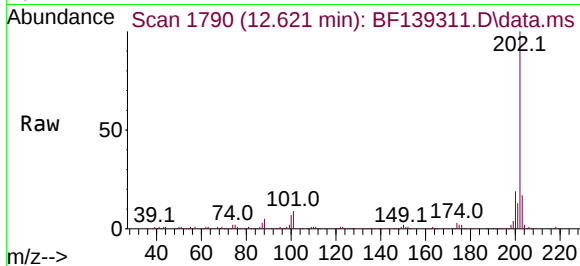




#75
Fluoranthene
Concen: 10.436 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

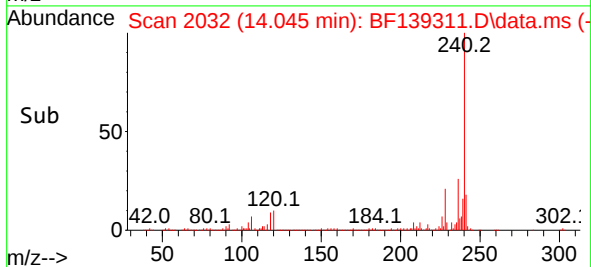
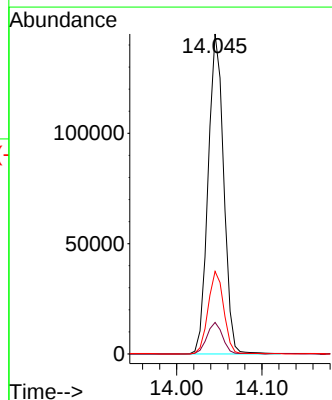
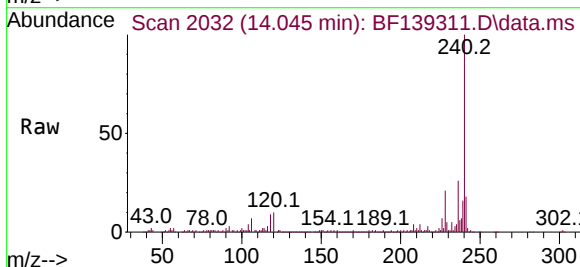
Instrument :
BNA_F
ClientSampleId :
SU-701-COMP-03

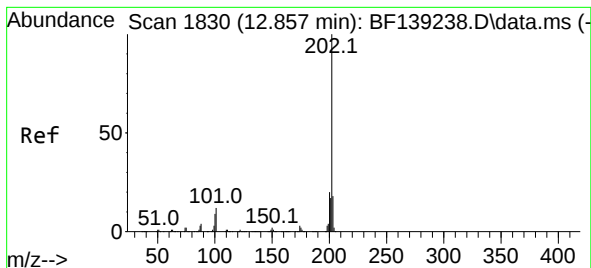
Tgt Ion:202 Resp: 133958
Ion Ratio Lower Upper
202 100
101 8.9 0.0 29.9
203 17.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139311.D
Acq: 10 Sep 2024 20:59

Tgt Ion:240 Resp: 184140
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 25.8 20.7 31.1





#78

Pyrene

Concen: 7.432 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-03

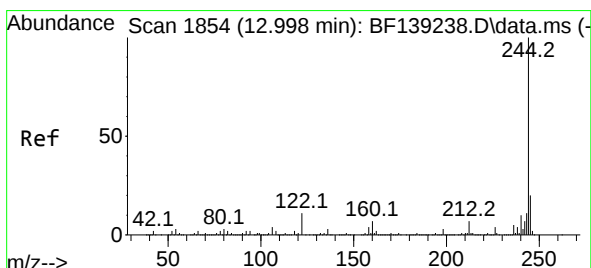
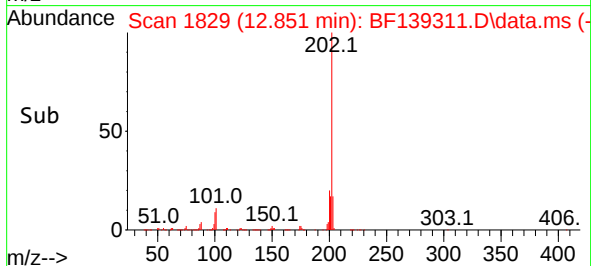
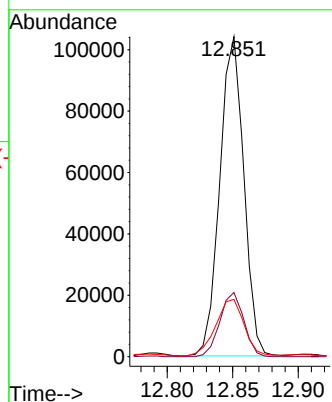
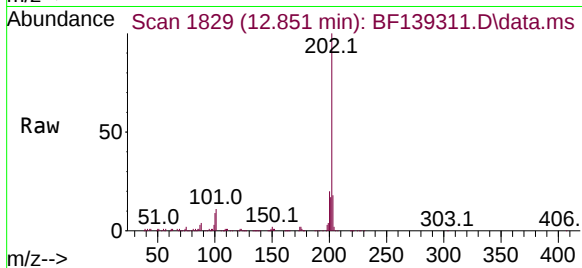
Tgt Ion:202 Resp: 132199

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.8

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 14.013 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

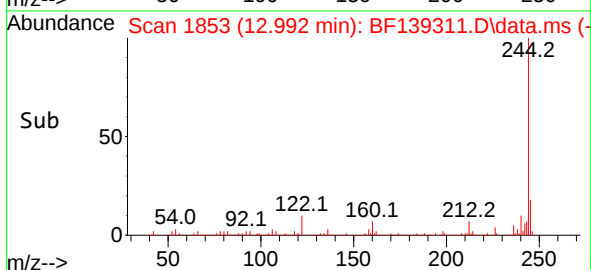
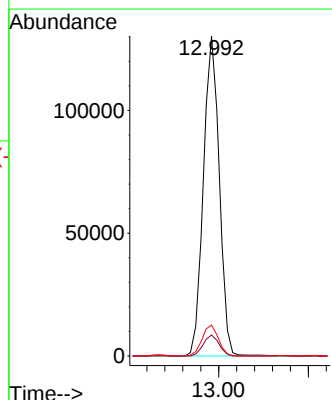
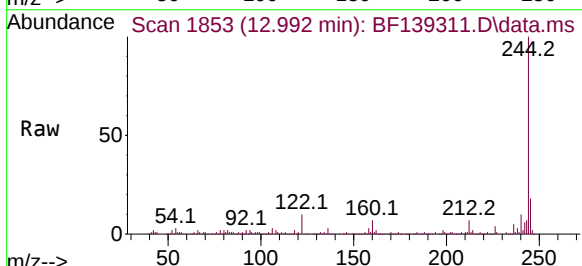
Tgt Ion:244 Resp: 159821

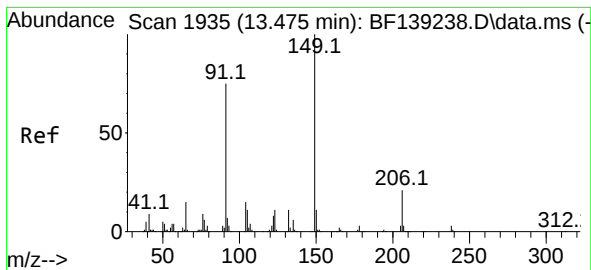
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 9.6 8.7 13.1





#80

Butylbenzylphthalate

Concen: 4.186 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-03

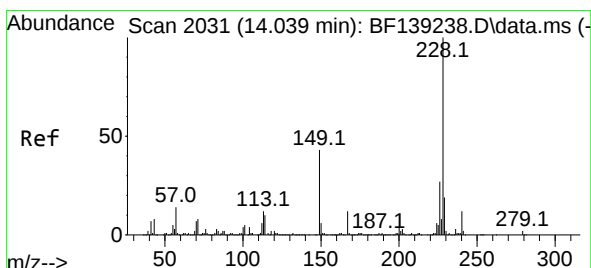
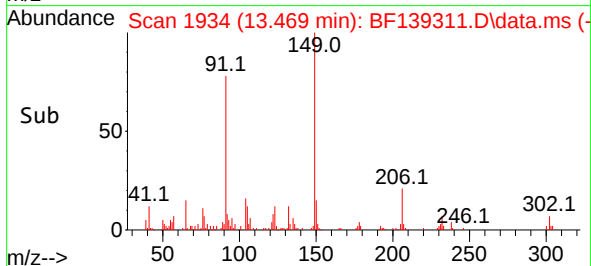
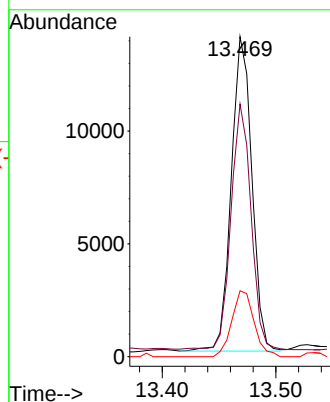
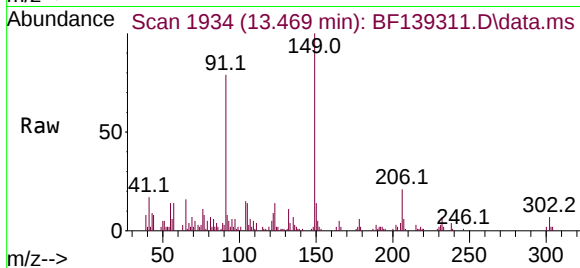
Tgt Ion:149 Resp: 17529

Ion Ratio Lower Upper

149 100

91 79.0 60.3 90.5

206 20.6 16.7 25.1



#81

Benzo(a)anthracene

Concen: 5.709 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

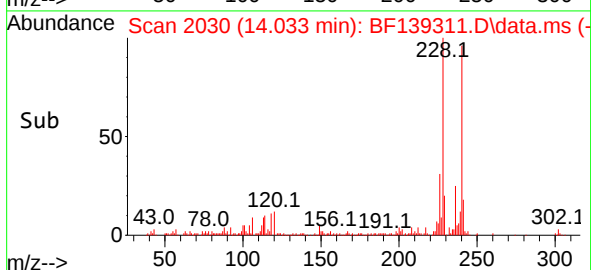
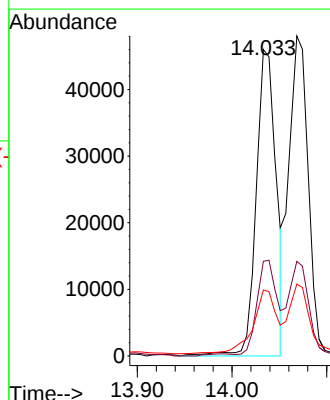
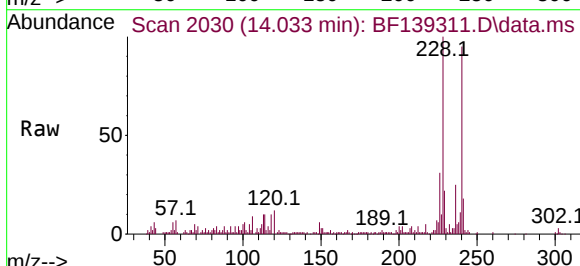
Tgt Ion:228 Resp: 67128

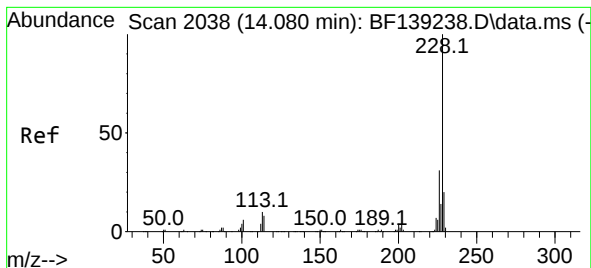
Ion Ratio Lower Upper

228 100

226 30.9 21.5 32.3

229 21.5 15.6 23.4





#83

Chrysene

Concen: 6.158 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-03

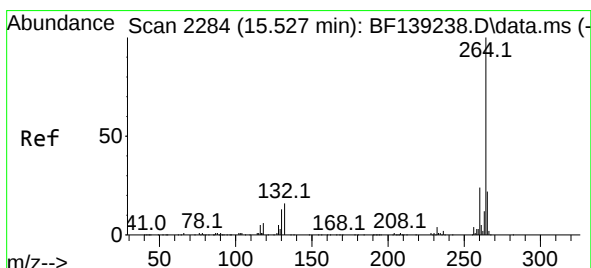
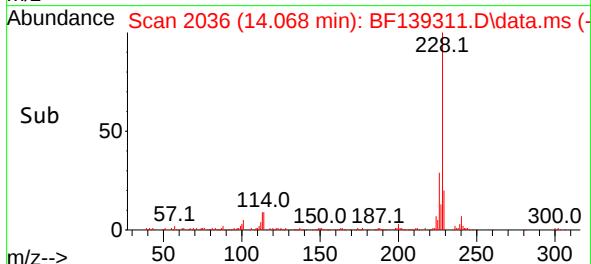
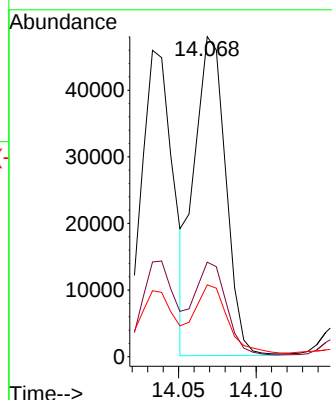
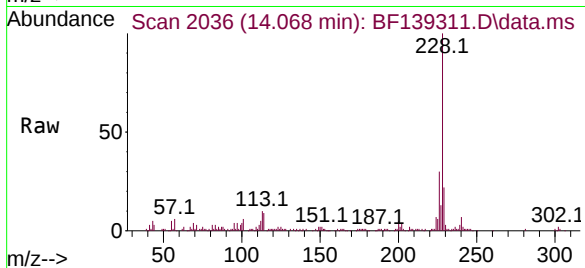
Tgt Ion:228 Resp: 67577

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 22.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

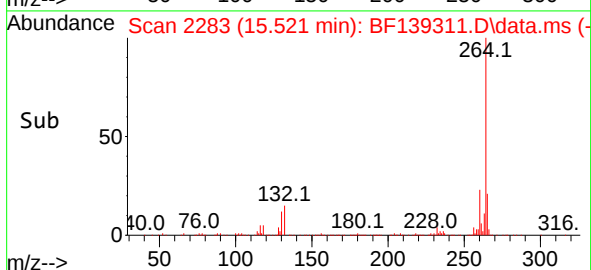
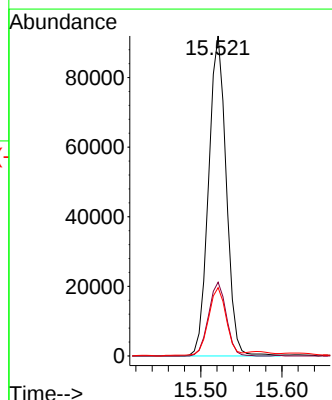
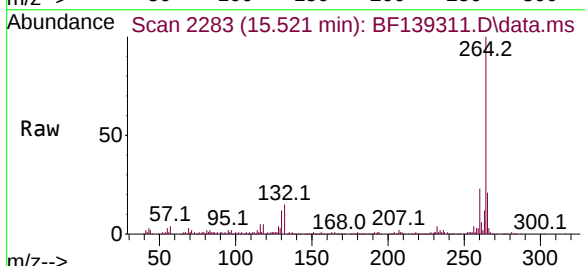
Tgt Ion:264 Resp: 138852

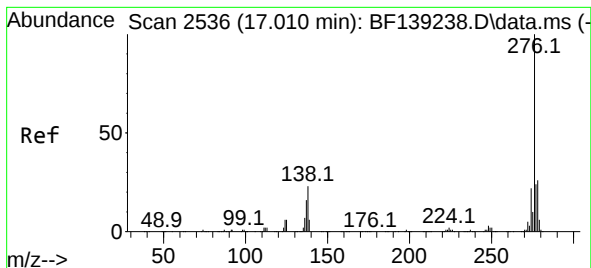
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.717 ng

RT: 16.992 min Scan# 2110

Delta R.T. -0.018 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-03

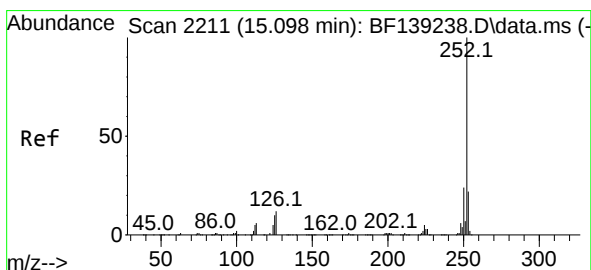
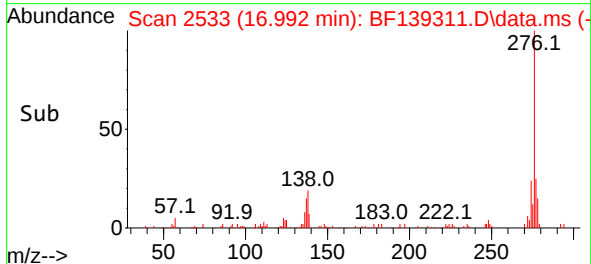
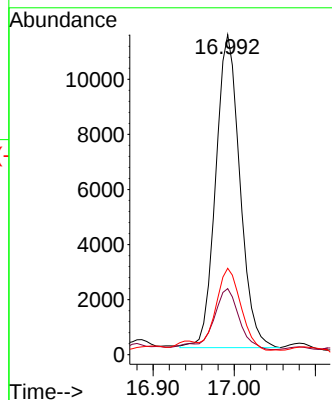
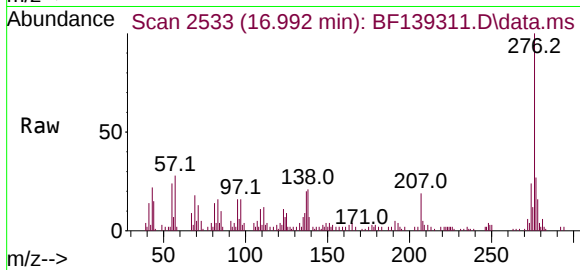
Tgt Ion:276 Resp: 23569

Ion Ratio Lower Upper

276 100

138 21.2 20.4 30.6

277 27.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.637 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

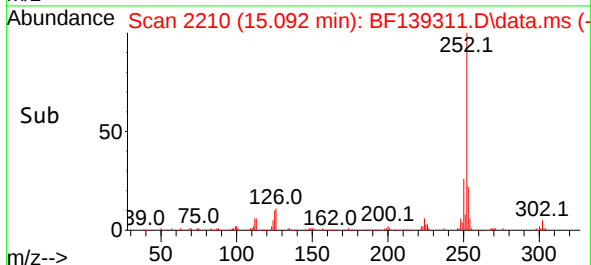
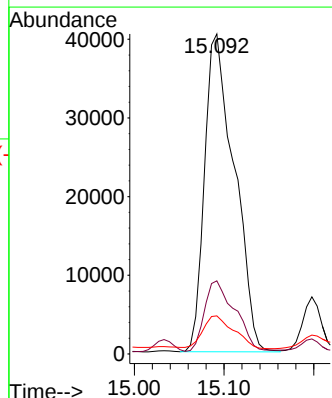
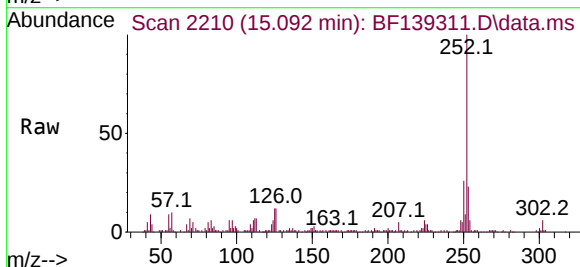
Tgt Ion:252 Resp: 93054

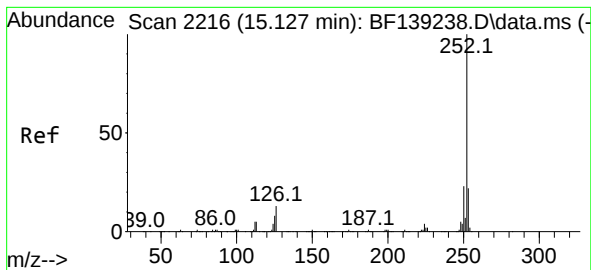
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.9 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 12.979 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

Instrument :

BNA_F

ClientSampleId :

SU-701-COMP-03

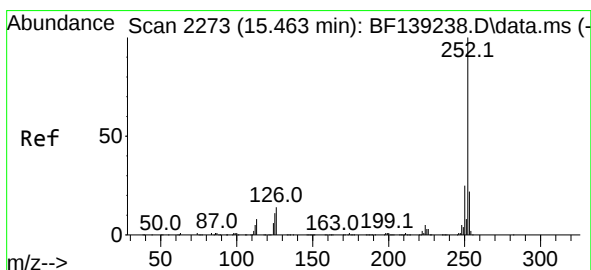
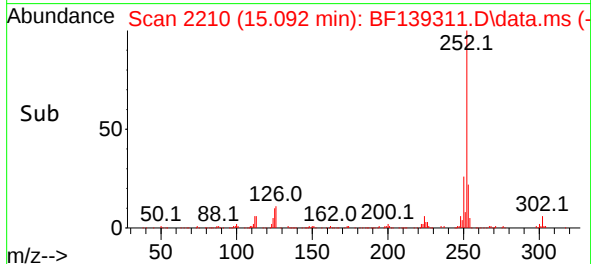
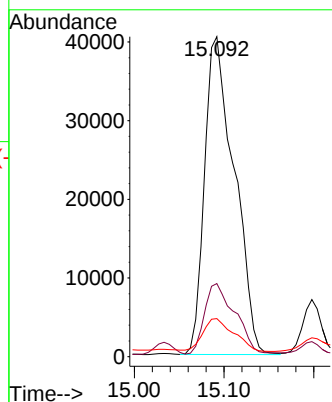
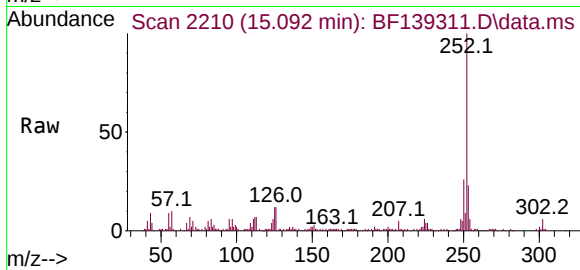
Tgt Ion:252 Resp: 93054

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.9 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 6.628 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139311.D

Acq: 10 Sep 2024 20:59

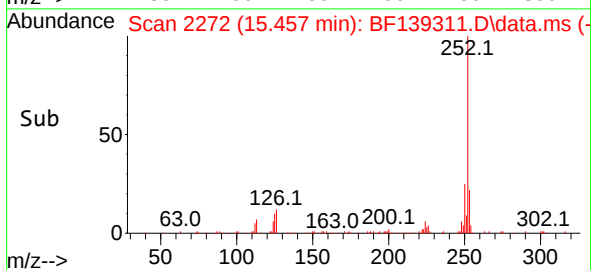
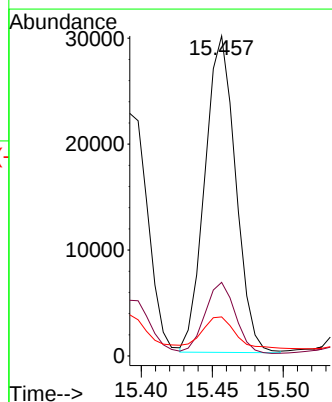
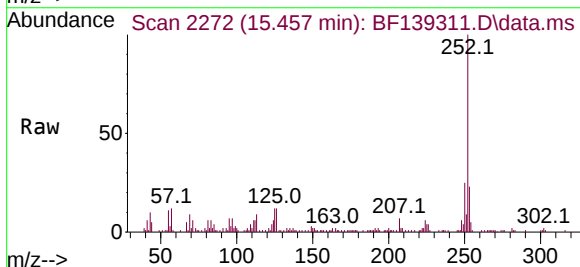
Tgt Ion:252 Resp: 45001

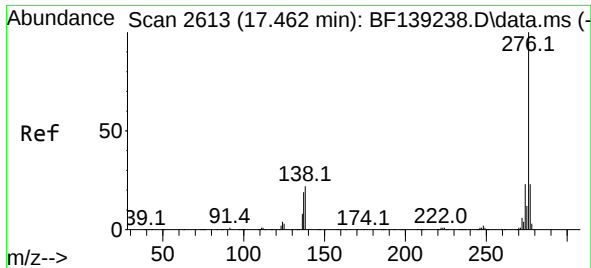
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

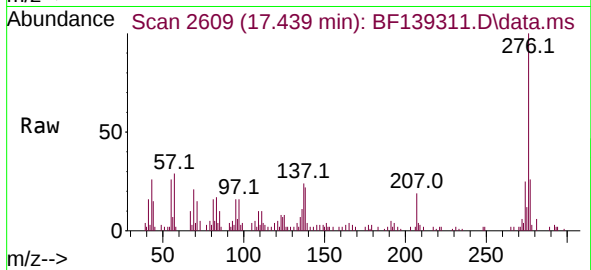
125 12.2 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.349 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF139311.D
 Acq: 10 Sep 2024 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SU-701-COMP-03



Tgt Ion:	276	Resp:	24710
Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	27.8
138	22.5	17.4	26.0

