

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139331.D
 Acq On : 11 Sep 2024 17:44
 Operator : RC/JU
 Sample : P3905-03DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3BDL

Quant Time: Sep 11 18:09:17 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)

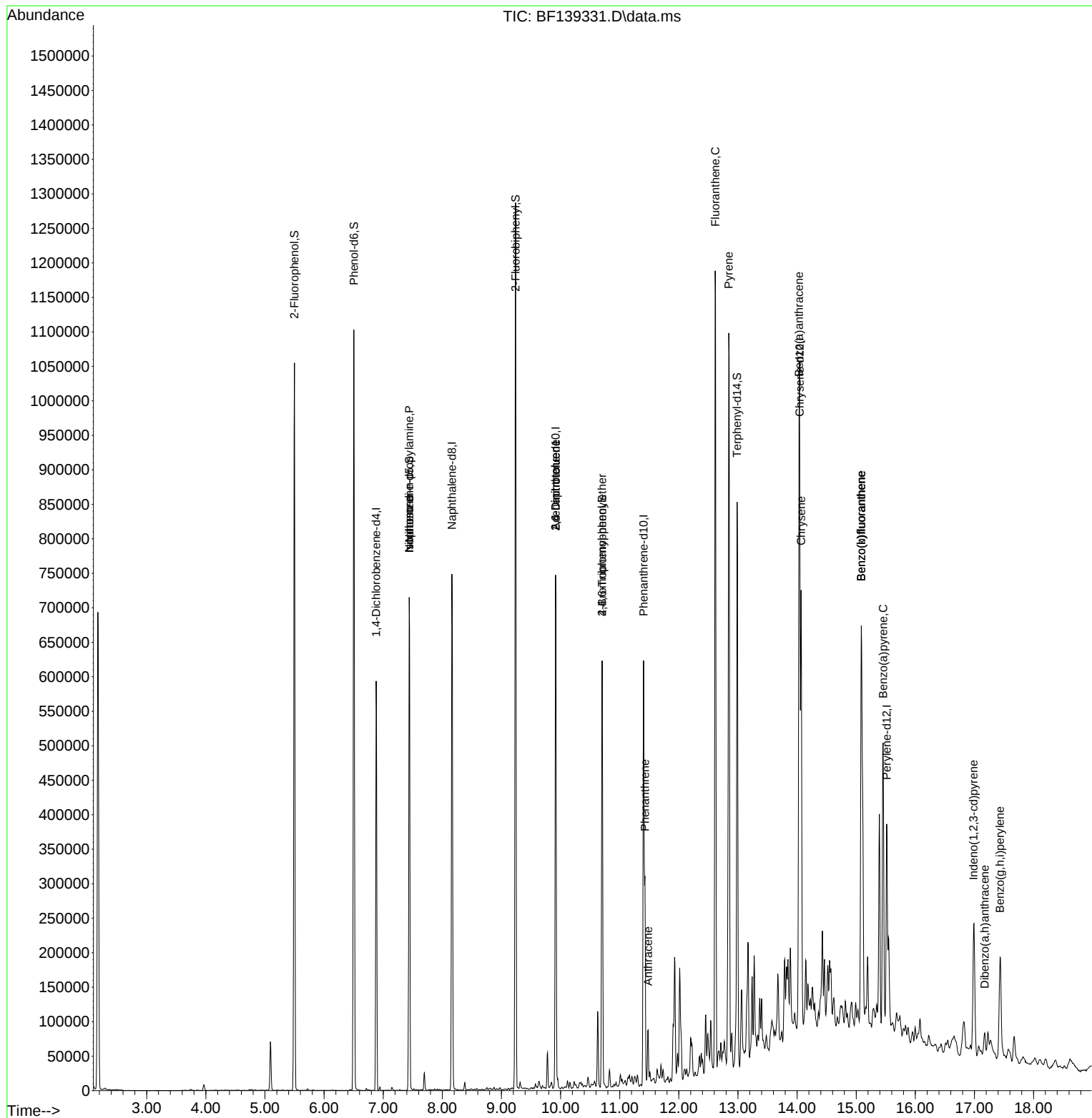
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118635	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	435391	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	216228	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	313238	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	207856	20.000	ng	0.00
86) Perylene-d12	15.515	264	166105	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	344896	48.634	ng	0.00
7) Phenol-d6	6.504	99	454248	47.981	ng	-0.01
23) Nitrobenzene-d5	7.439	82	298564	35.674	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	87650	46.943	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	540766	38.605	ng	-0.01
79) Terphenyl-d14	12.986	244	376494	29.245	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	39711	7.283	ng	# 77
25) Isophorone	7.439	82	297509	20.792	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	27806	9.352	ng	# 19
57) 2,4-Dinitrotoluene	9.916	165	27806	7.348	ng	# 19
67) 4-Bromophenyl-phenylether	10.704	248	6197	2.039	ng	# 1
71) Phenanthrene	11.427	178	150748	10.302	ng	100
72) Anthracene	11.480	178	44180	3.091	ng	98
75) Fluoranthene	12.616	202	667637	45.509	ng	100
78) Pyrene	12.845	202	641771	31.962	ng	99
81) Benzo(a)anthracene	14.033	228	377725	28.459	ng	96
83) Chrysene	14.068	228	322801	26.059	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	141833	13.668	ng	94
88) Benzo(b)fluoranthene	15.086	252	523758	54.753	ng	98
89) Benzo(k)fluoranthene	15.086	252	523758	61.065	ng	98
90) Benzo(a)pyrene	15.457	252	253287	31.182	ng	98
91) Dibenzo(a,h)anthracene	17.174	278	24662	2.884	ng	94
92) Benzo(g,h,i)perylene	17.433	276	132804	15.045	ng	97

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

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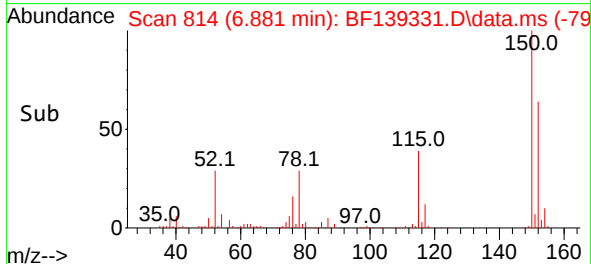
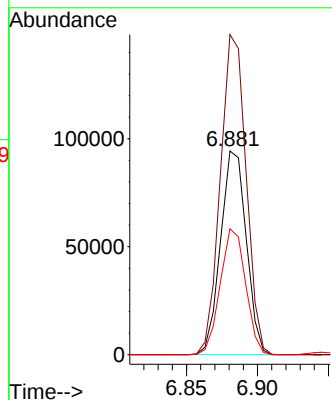
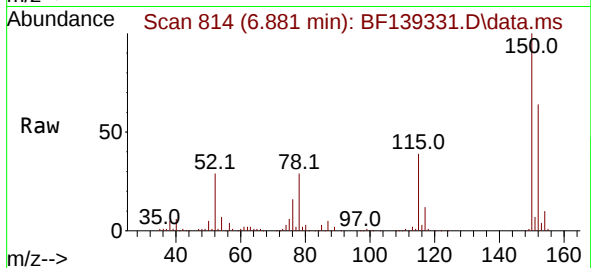




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

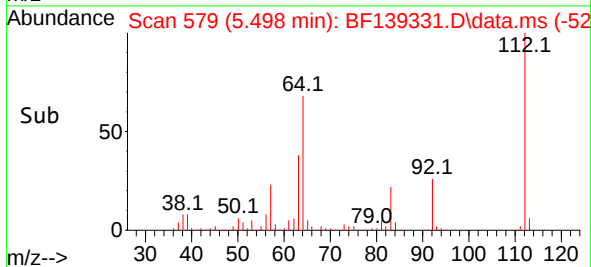
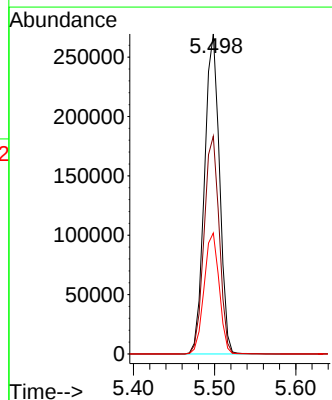
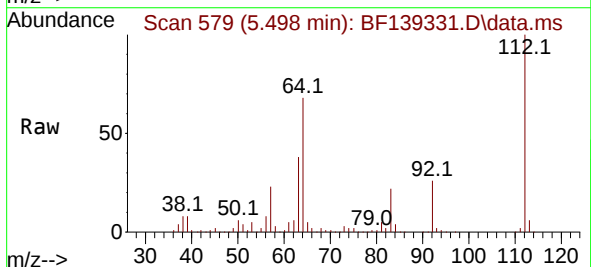
Instrument :
BNA_F
ClientSampleId :
TP-3BDL

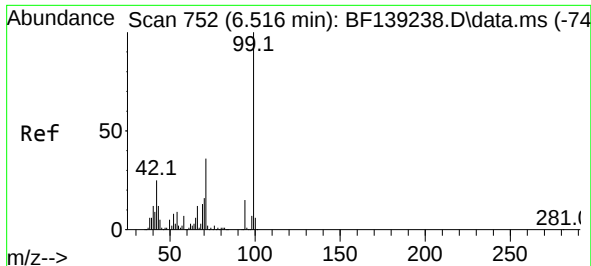
Tgt Ion:152 Resp: 118635
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.4
115 61.8 46.9 70.3



#5
2-Fluorophenol
Concen: 48.634 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Tgt Ion:112 Resp: 344896
Ion Ratio Lower Upper
112 100
64 68.1 55.0 82.4
63 37.8 29.9 44.9

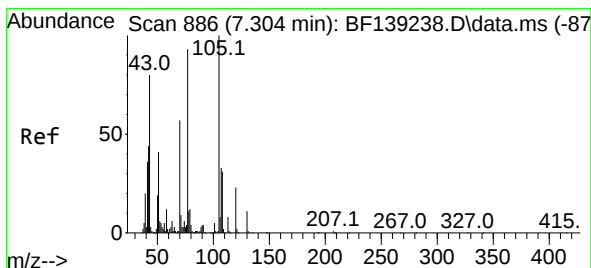
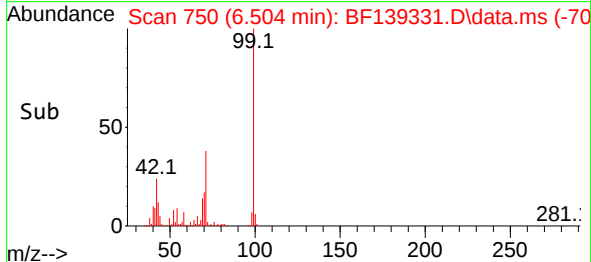
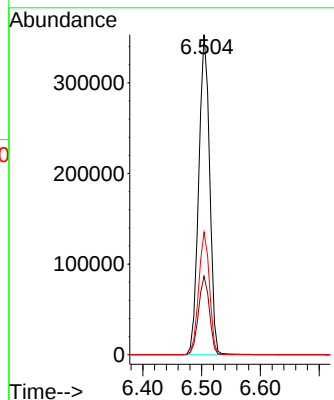
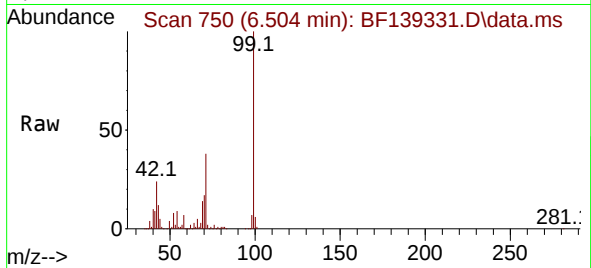




#7
Phenol-d6
Concen: 47.981 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

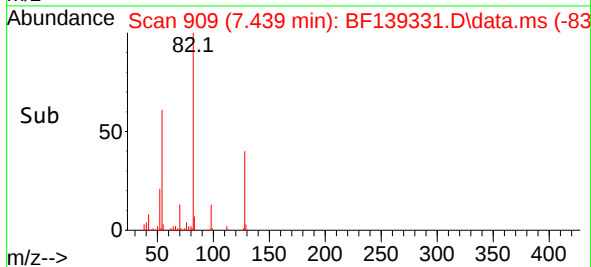
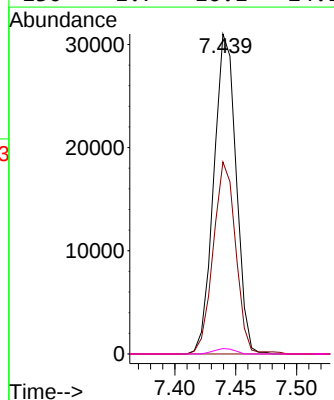
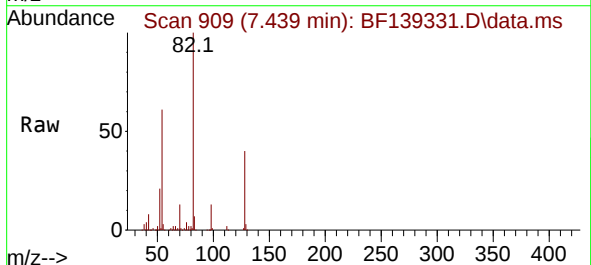
Instrument :
BNA_F
ClientSampleId :
TP-3BDL

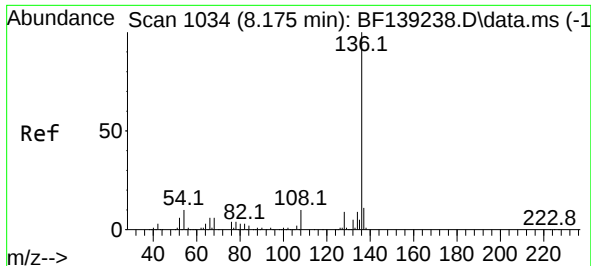
Tgt Ion: 99 Resp: 454248
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 38.3 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.283 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Tgt Ion: 70 Resp: 39711
Ion Ratio Lower Upper
70 100
42 60.0 61.0 91.6#
101 0.0 7.2 10.8#
130 1.7 16.1 24.1#



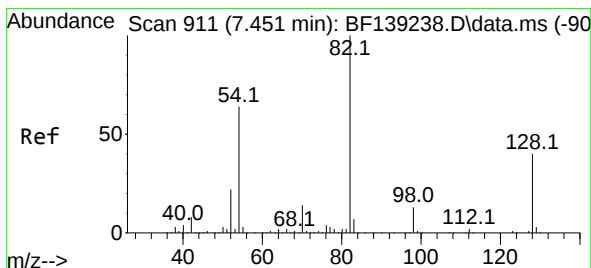
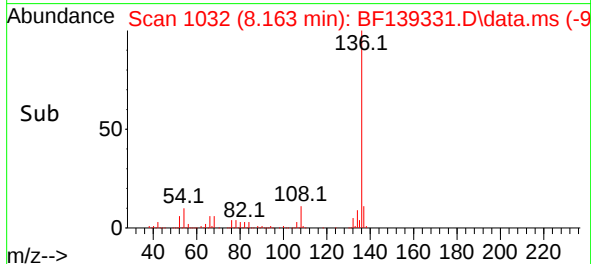
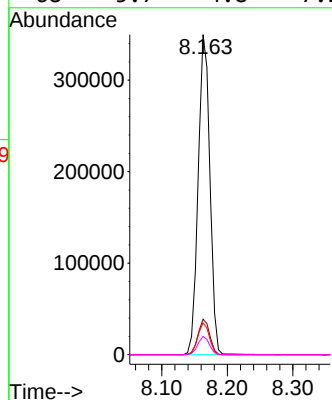
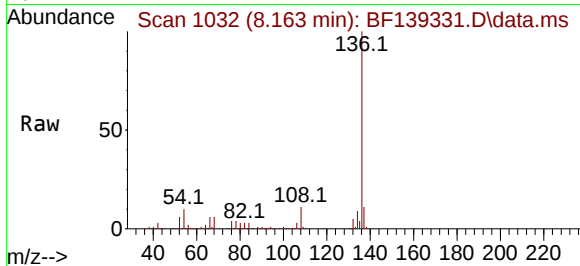


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Instrument :
BNA_F
ClientSampleId :
TP-3BDL

Tgt Ion:136 Resp: 435391

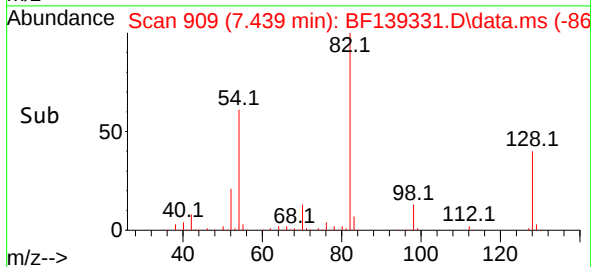
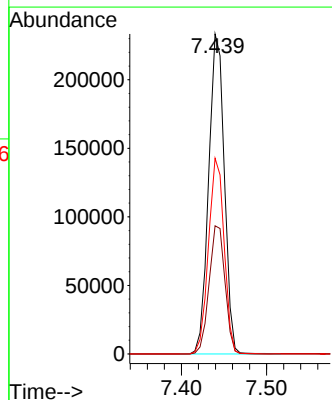
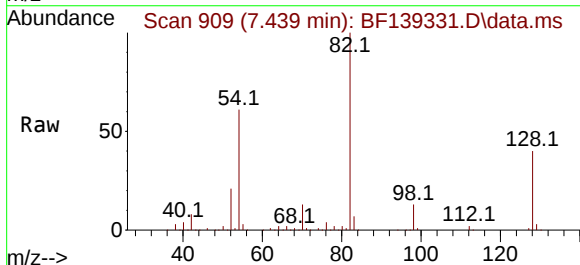
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.9	8.4	12.6
68	5.7	4.8	7.2

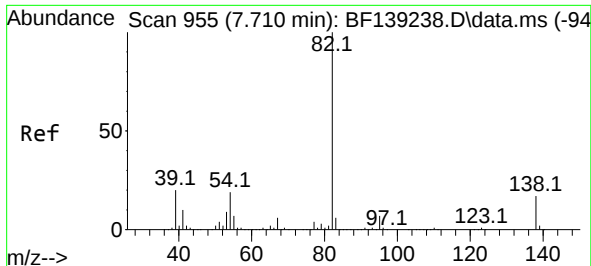


#23
Nitrobenzene-d5
Concen: 35.674 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Tgt Ion: 82 Resp: 298564

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.3	48.5
54	61.2	51.2	76.8

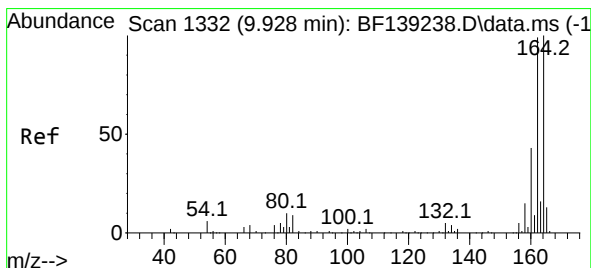
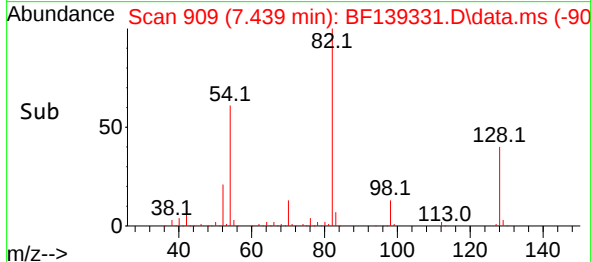
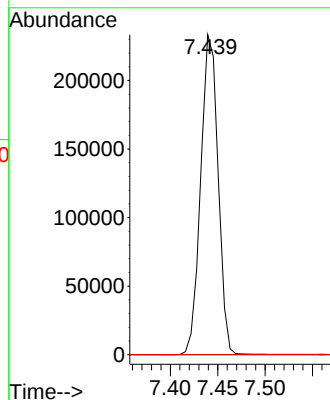
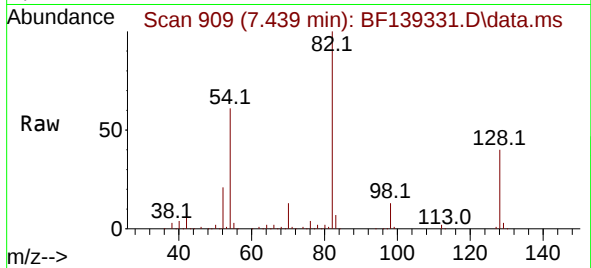




#25
Isophorone
Concen: 20.792 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

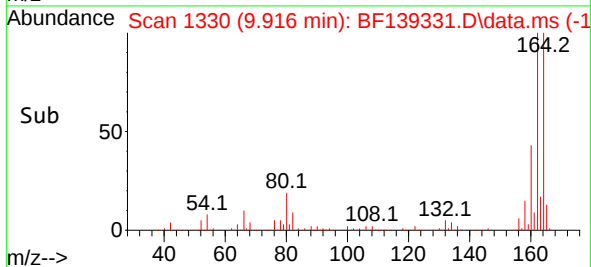
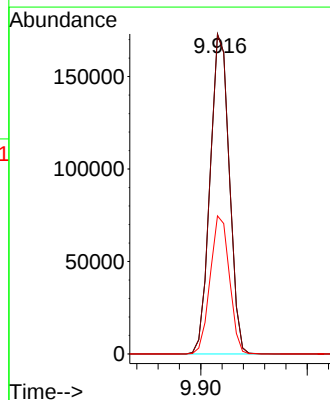
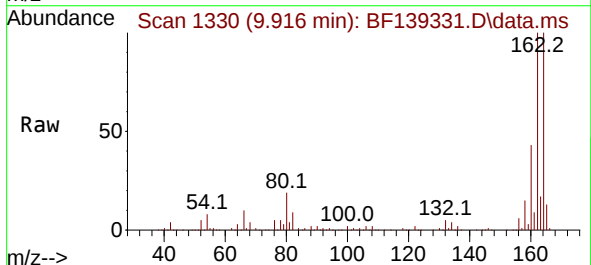
Instrument :
BNA_F
ClientSampleId :
TP-3BDL

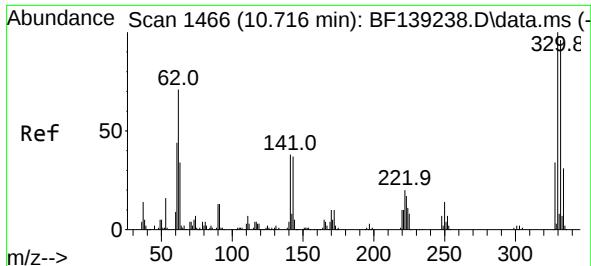
Tgt Ion: 82 Resp: 297509
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Tgt Ion:164 Resp: 216228
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 43.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 46.943 ng

RT: 10.704 min Scan# 1466

Delta R.T. -0.012 min

Lab File: BF139331.D

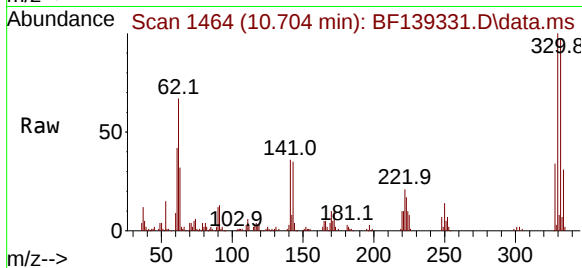
Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL



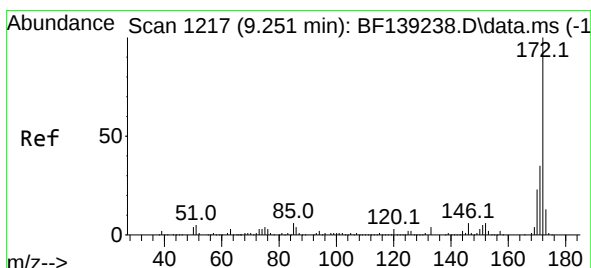
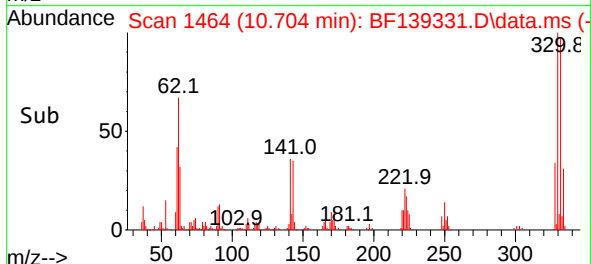
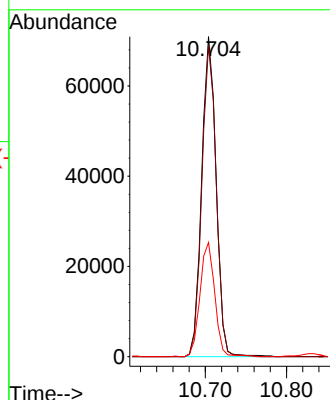
Tgt Ion:330 Resp: 87650

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

141 36.6 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 38.605 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

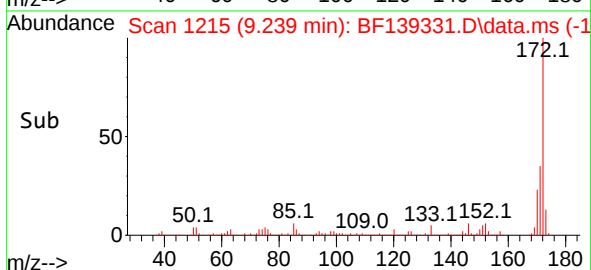
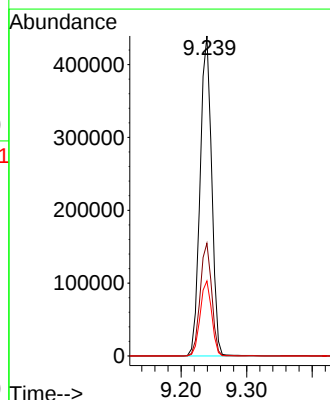
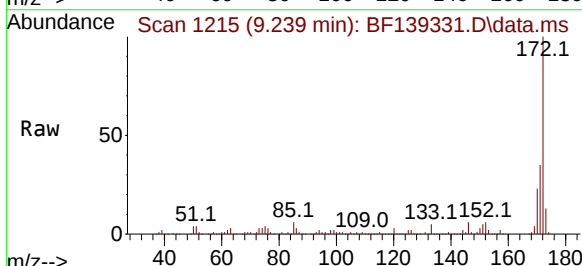
Tgt Ion:172 Resp: 540766

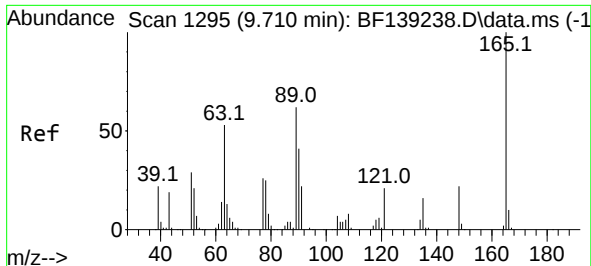
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.5 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.352 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

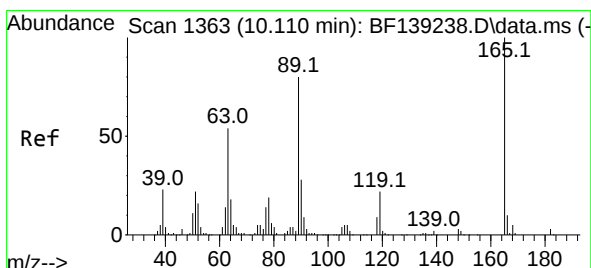
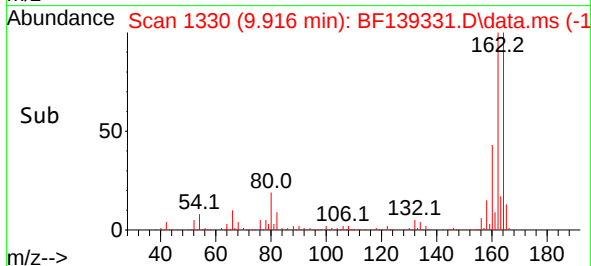
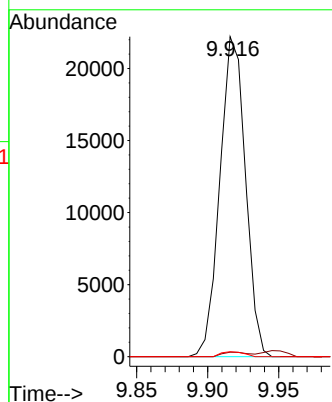
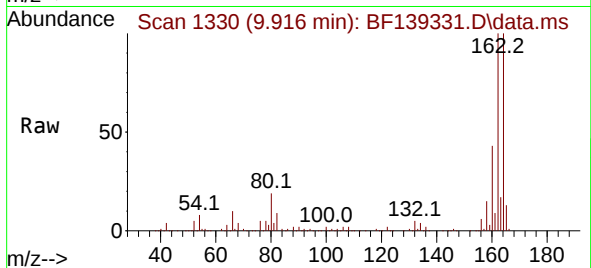
Tgt Ion:165 Resp: 27806

Ion Ratio Lower Upper

165 100

63 1.4 56.1 84.1#

89 1.6 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.348 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Tgt Ion:165 Resp: 27806

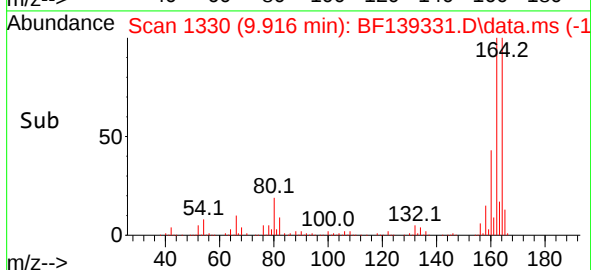
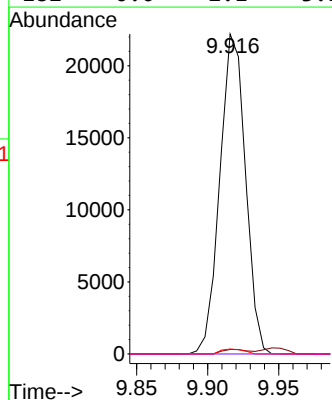
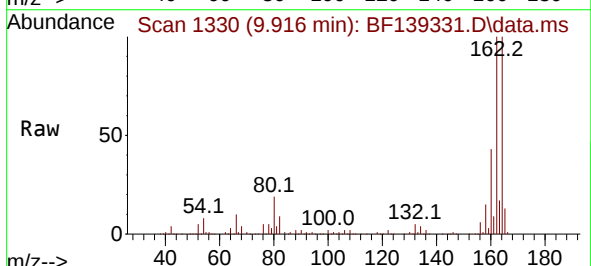
Ion Ratio Lower Upper

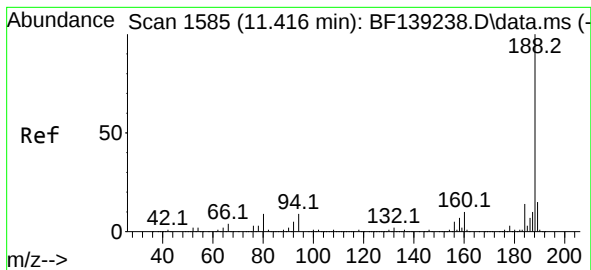
165 100

63 1.4 43.4 65.0#

89 1.6 64.2 96.4#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

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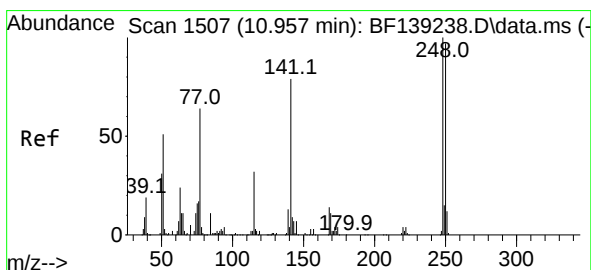
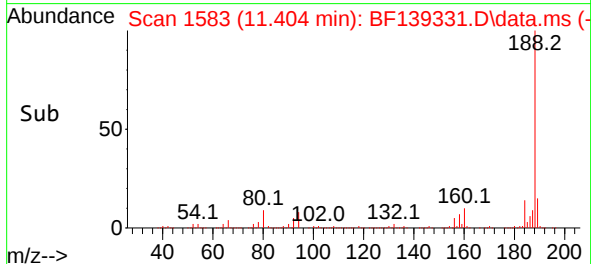
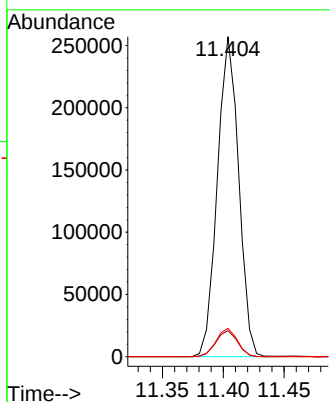
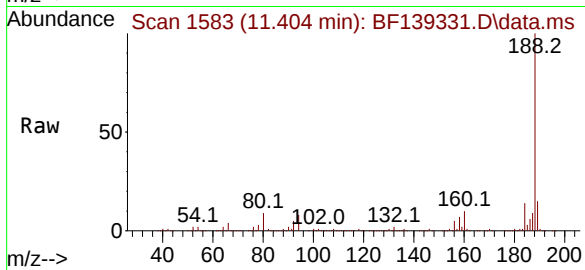
Tgt Ion:188 Resp: 313238

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.4

80 8.9 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.039 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

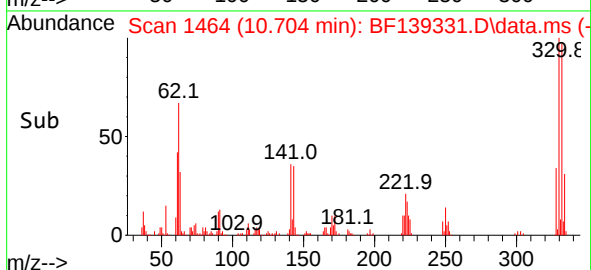
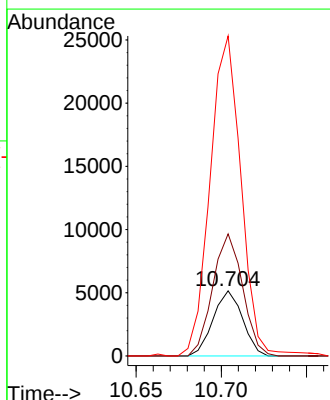
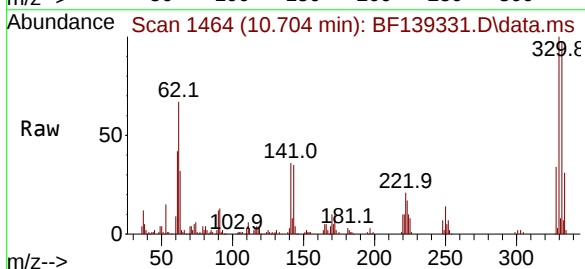
Tgt Ion:248 Resp: 6197

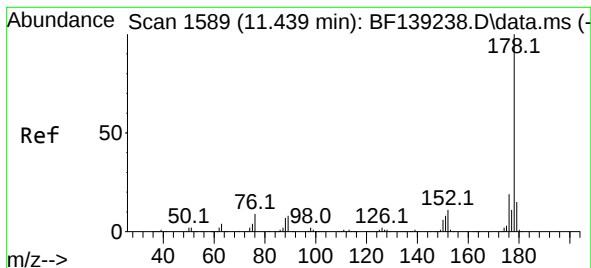
Ion Ratio Lower Upper

248 100

250 187.5 77.2 115.8#

141 491.3 63.6 95.4#





#71

Phenanthrene

Concen: 10.302 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

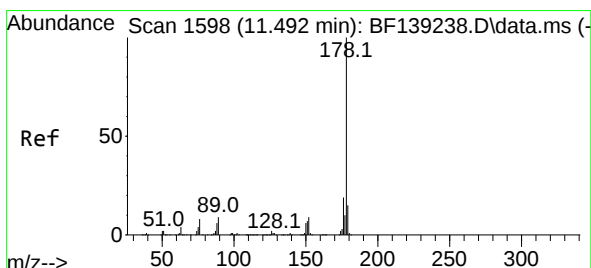
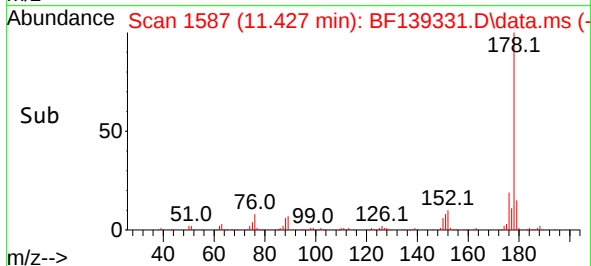
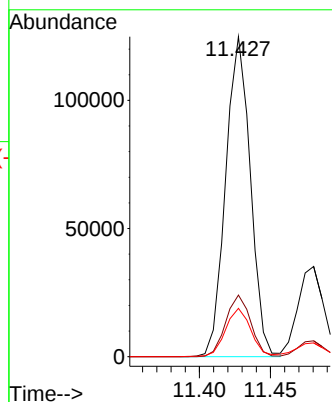
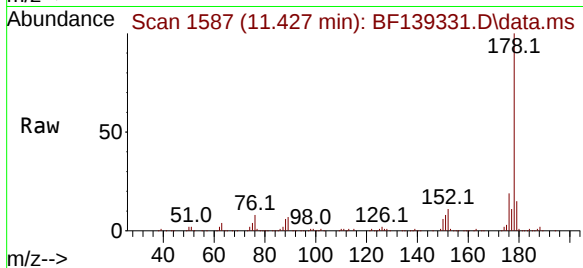
Tgt Ion:178 Resp: 150748

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.1 12.3 18.5



#72

Anthracene

Concen: 3.091 ng

RT: 11.480 min Scan# 1596

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

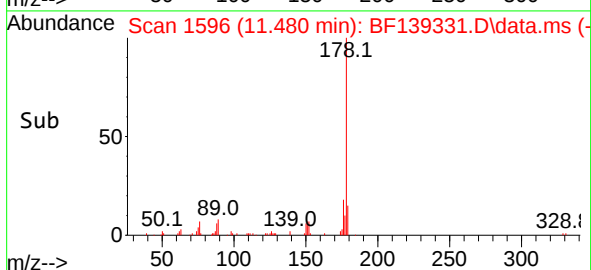
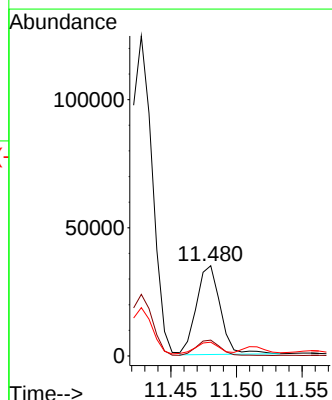
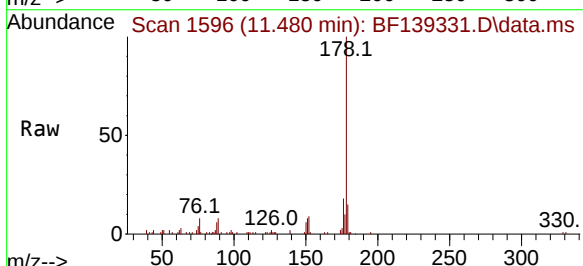
Tgt Ion:178 Resp: 44180

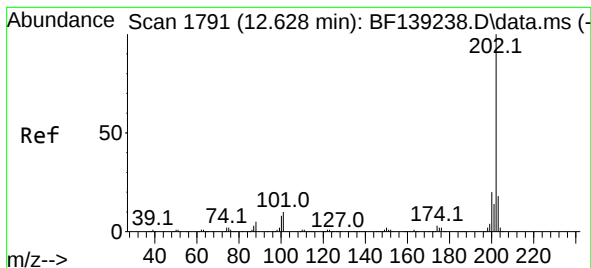
Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.4

179 15.3 12.3 18.5





#75

Fluoranthene

Concen: 45.509 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

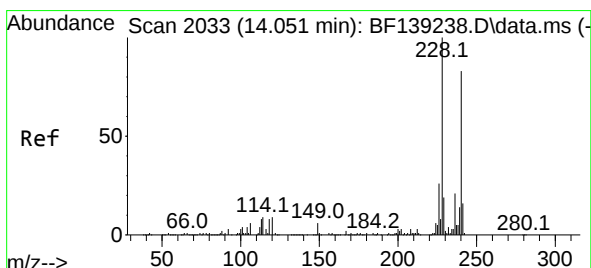
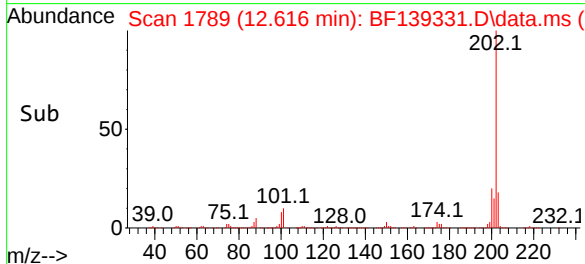
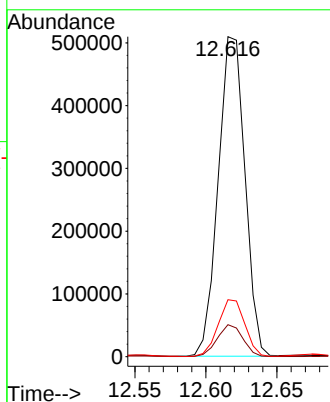
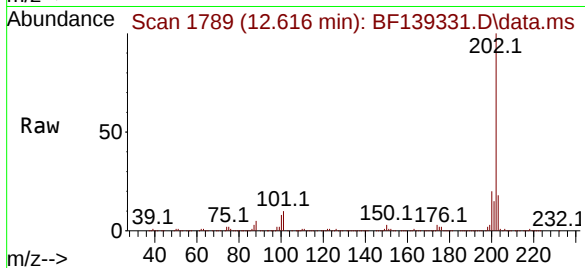
Tgt Ion:202 Resp: 667637

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.9

203 17.8 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: BF139331.D

Acq: 11 Sep 2024 17:44

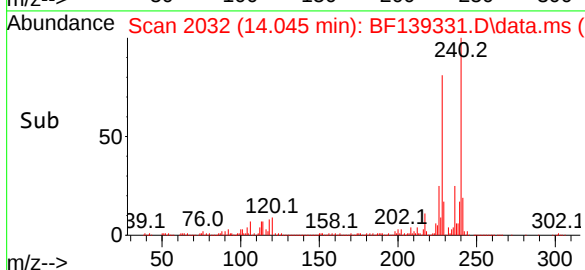
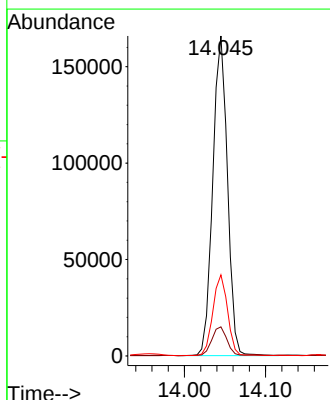
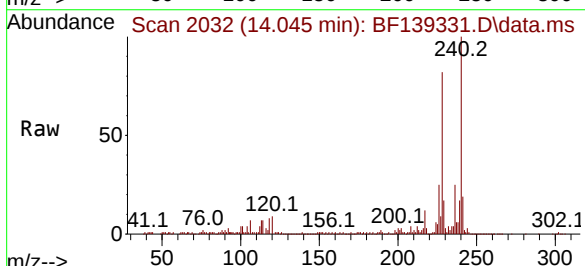
Tgt Ion:240 Resp: 207856

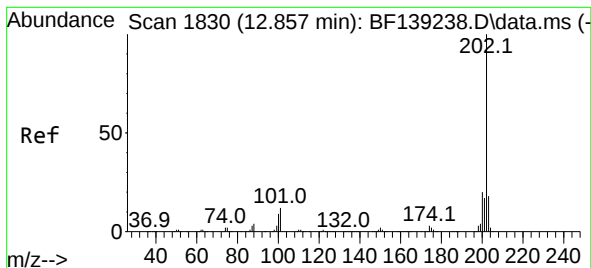
Ion Ratio Lower Upper

240 100

120 9.1 8.6 12.8

236 25.3 20.7 31.1





#78

Pyrene

Concen: 31.962 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

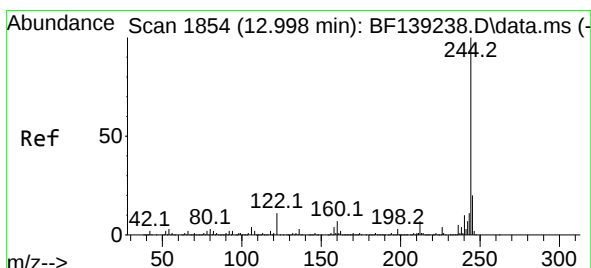
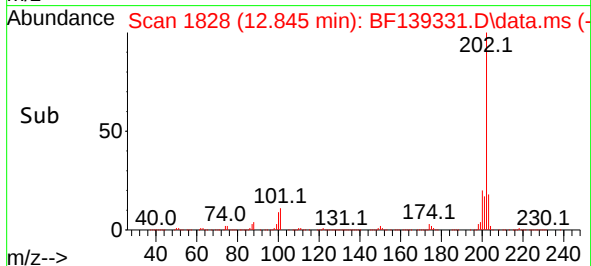
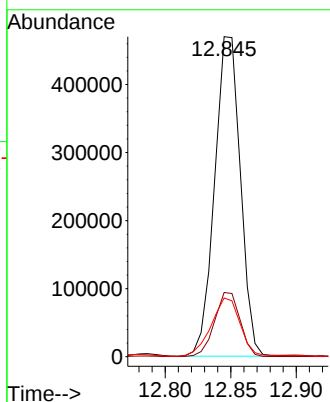
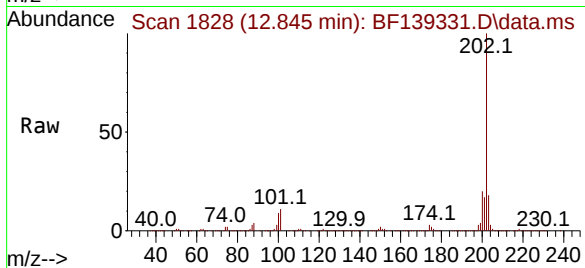
Tgt Ion:202 Resp: 641771

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.8

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 29.245 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

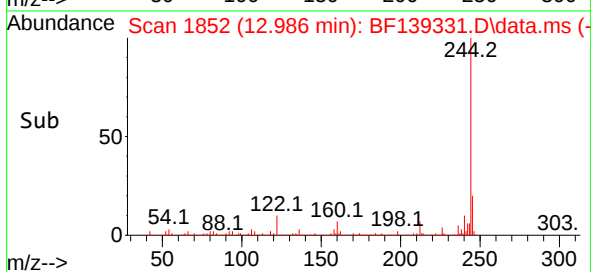
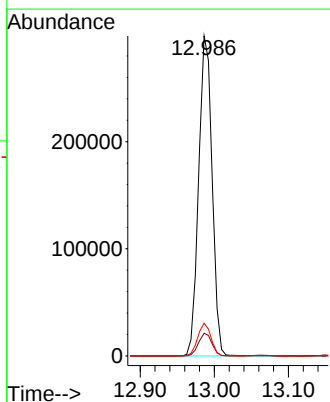
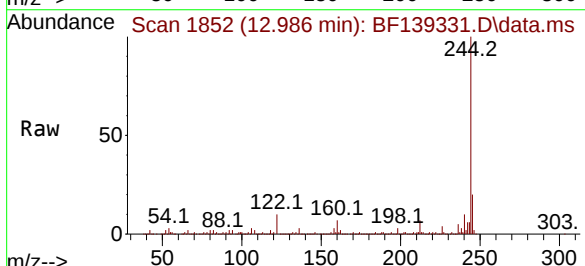
Tgt Ion:244 Resp: 376494

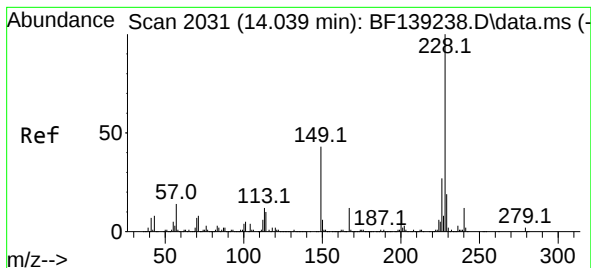
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.3 8.7 13.1





#81

Benzo(a)anthracene

Concen: 28.459 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

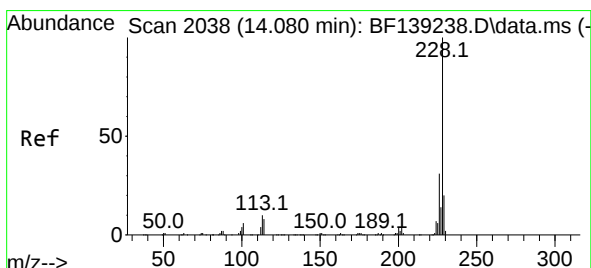
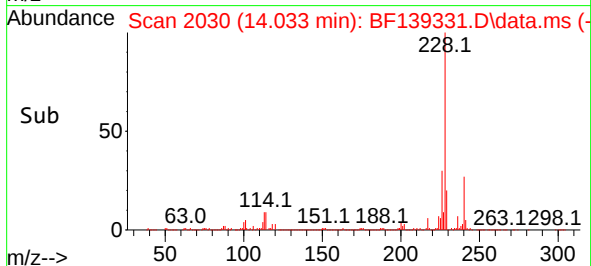
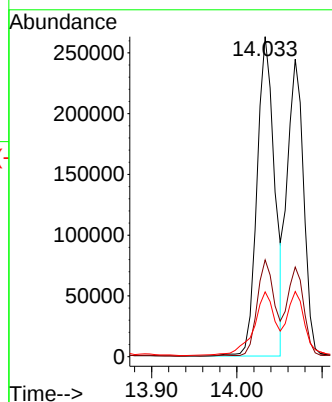
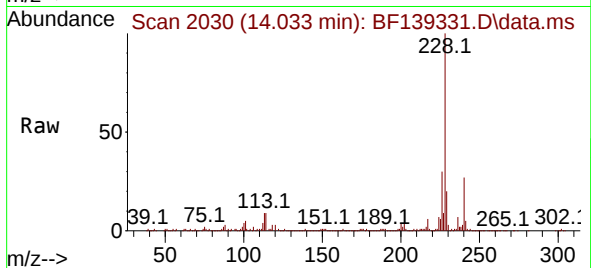
Tgt Ion:228 Resp: 377725

Ion Ratio Lower Upper

228 100

226 30.2 21.5 32.3

229 20.3 15.6 23.4



#83

Chrysene

Concen: 26.059 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

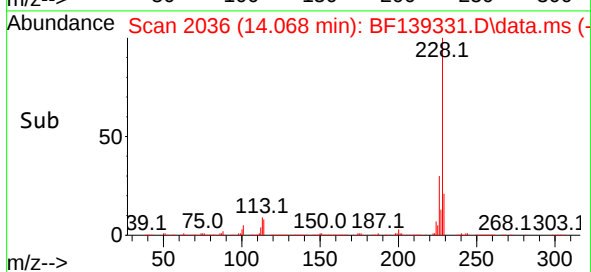
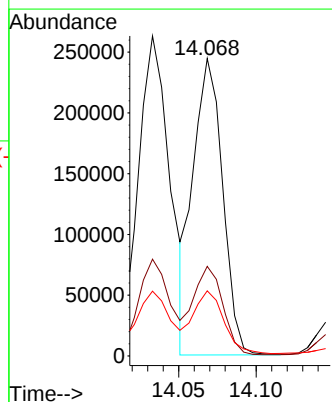
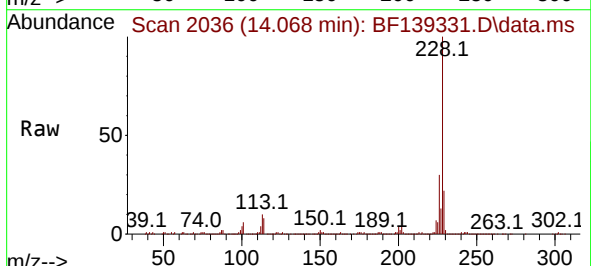
Tgt Ion:228 Resp: 322801

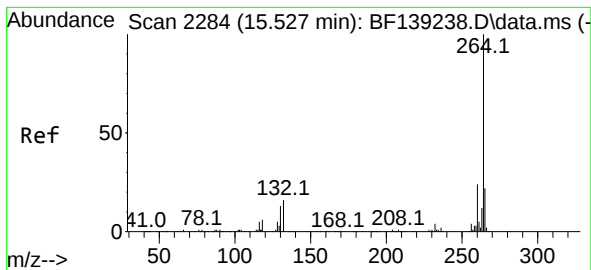
Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 21.9 15.8 23.6



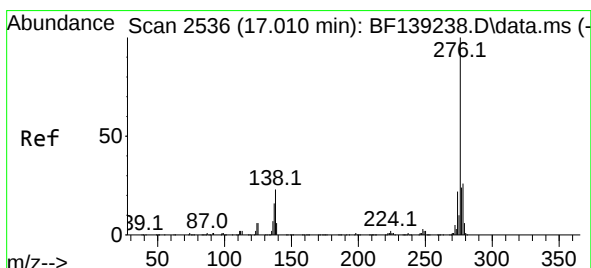
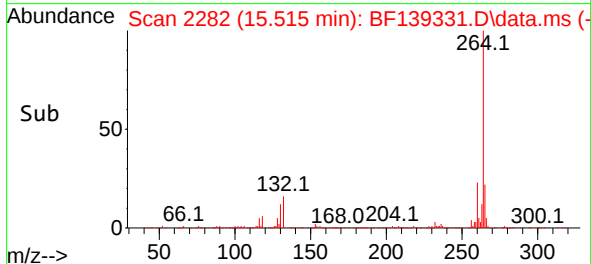
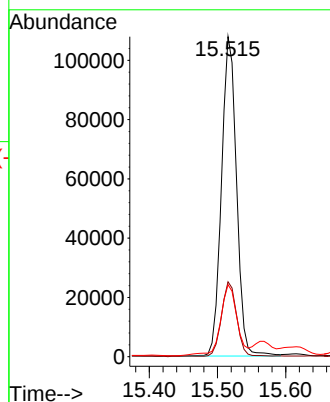
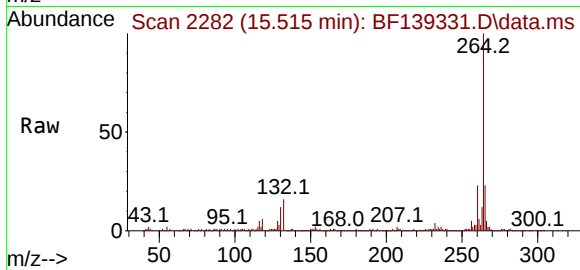


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Instrument :
BNA_F
ClientSampleId :
TP-3BDL

Tgt Ion:264 Resp: 166105

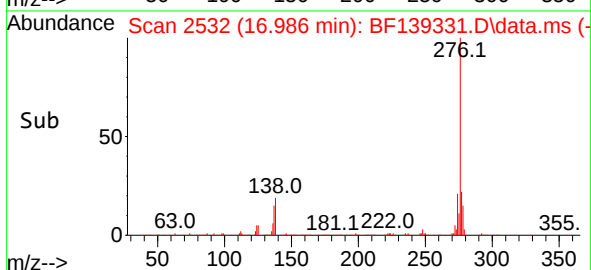
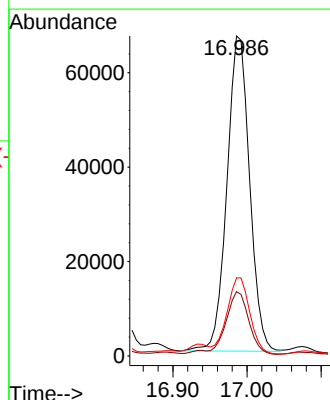
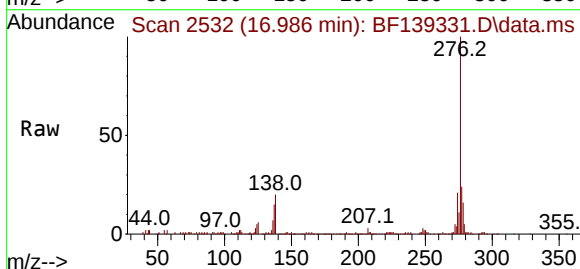
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	22.5	17.3	25.9

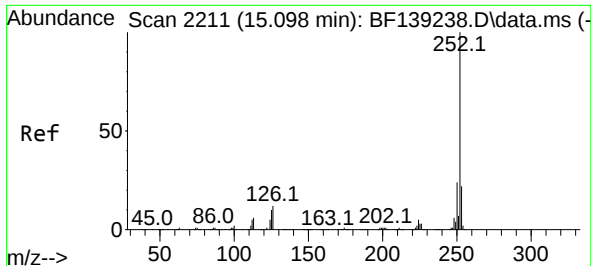


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.668 ng
RT: 16.986 min Scan# 2532
Delta R.T. -0.024 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Tgt Ion:276 Resp: 141833

Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.4	30.6
277	24.2	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 54.753 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

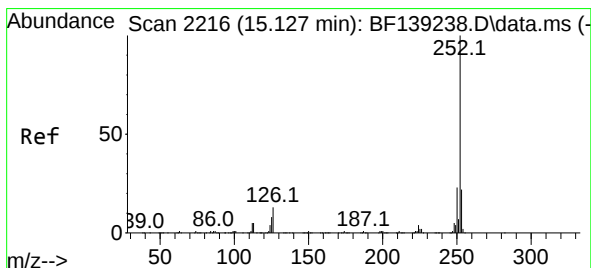
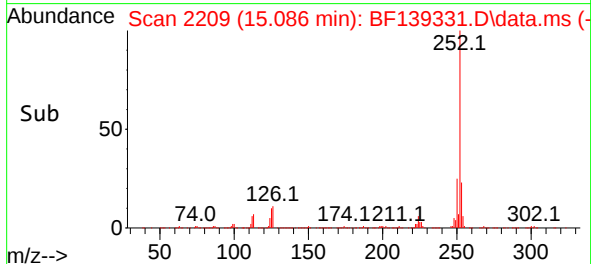
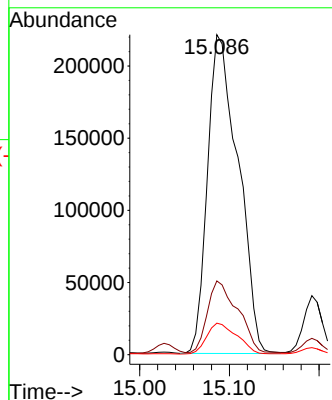
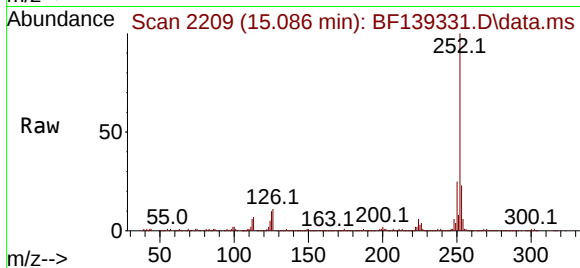
Tgt Ion:252 Resp: 523758

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.9 7.6 11.4



#89

Benzo(k)fluoranthene

Concen: 61.065 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

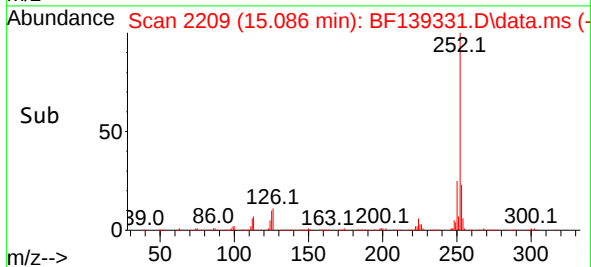
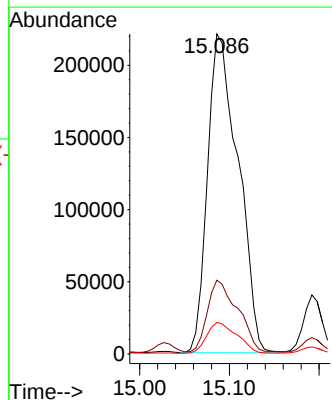
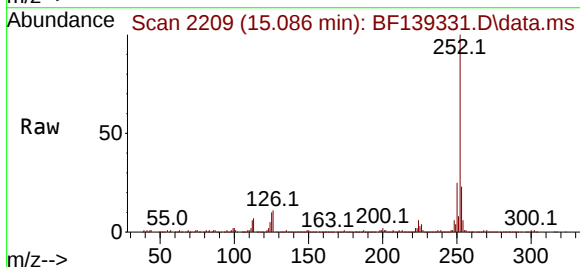
Tgt Ion:252 Resp: 523758

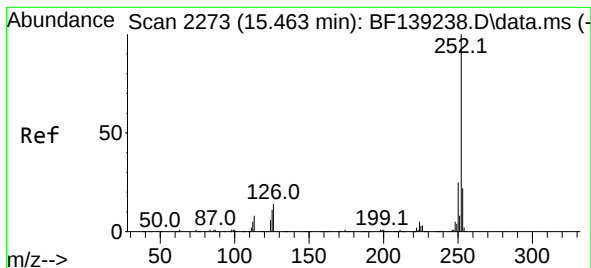
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.9 7.2 10.8





#90

Benzo(a)pyrene

Concen: 31.182 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

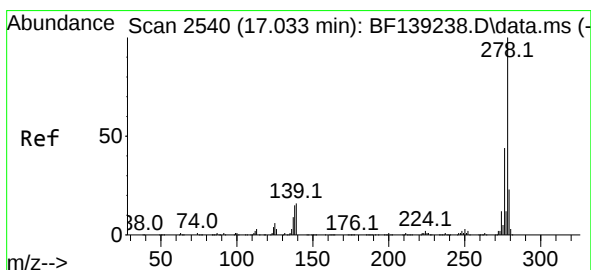
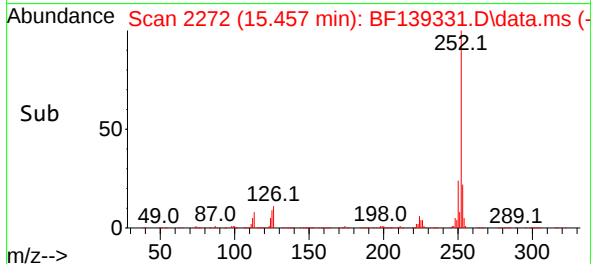
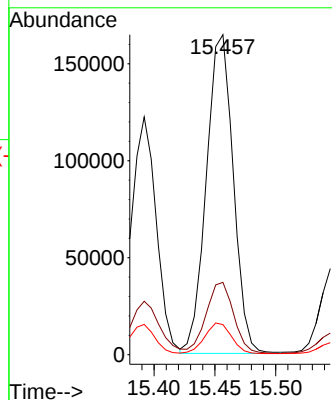
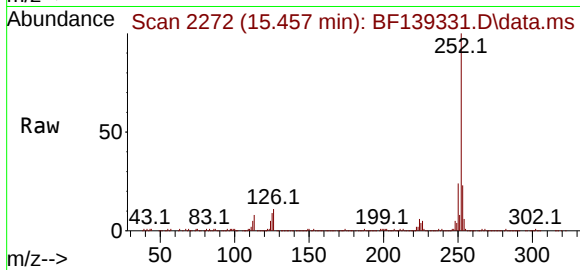
Tgt Ion:252 Resp: 253287

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 9.4 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 2.884 ng

RT: 17.174 min Scan# 2564

Delta R.T. 0.141 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

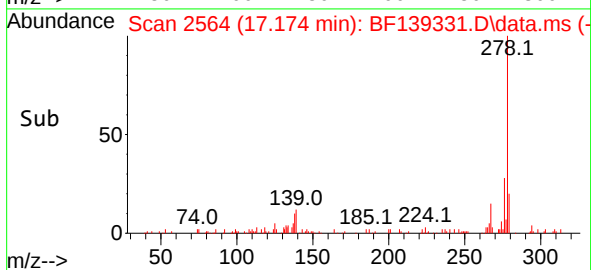
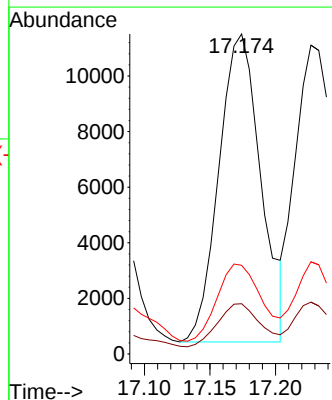
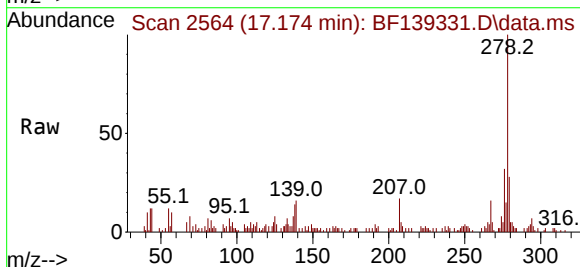
Tgt Ion:278 Resp: 24662

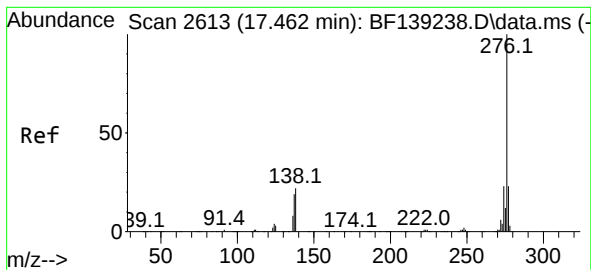
Ion Ratio Lower Upper

278 100

139 15.7 12.6 19.0

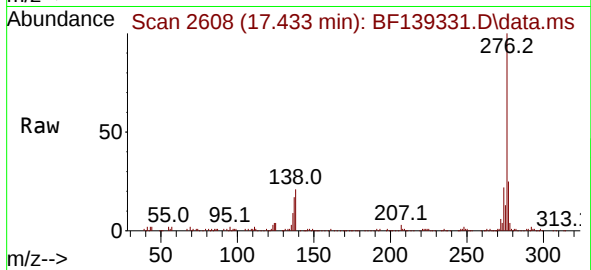
279 27.7 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 15.045 ng
 RT: 17.433 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF139331.D
 Acq: 11 Sep 2024 17:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-3BDL



Tgt Ion: 276 Resp: 132804
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.6 27.8
 138 20.6 17.4 26.0

