

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139131.D
 Acq On : 22 Aug 2024 19:20
 Operator : RC/JU
 Sample : P3660-04DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-902-0.5-1-081624DL

Quant Time: Aug 23 00:36:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

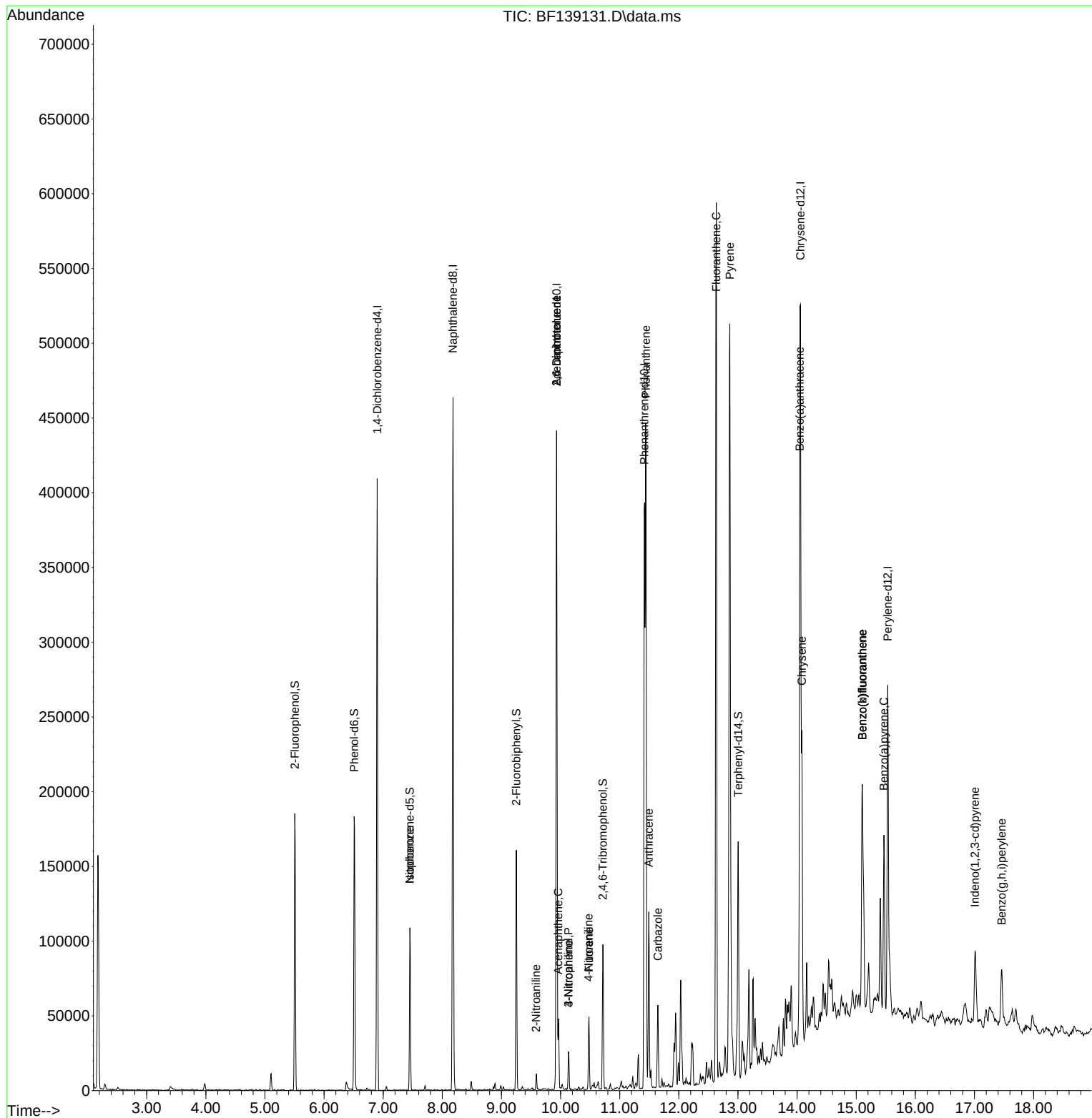
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	78032	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	259444	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	124374	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	200601	20.000	ng	0.00
76) Chrysene-d12	14.057	240	154409	20.000	ng	0.00
86) Perylene-d12	15.533	264	120105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	59799	11.790	ng	0.00
7) Phenol-d6	6.510	99	75741	11.557	ng	-0.01
23) Nitrobenzene-d5	7.451	82	44442	9.981	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	12628	11.216	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	64849	8.273	ng	0.00
79) Terphenyl-d14	13.004	244	65617	7.051	ng	0.00
Target Compounds					Qvalue	
25) Isophorone	7.451	82	44367	4.688	ng	# 69
48) 2-Nitroaniline	9.586	65	142	5.720	ng	# 11
51) 2,6-Dinitrotoluene	9.933	165	16143	14.012	ng	# 17
52) Acenaphthene	9.963	154	13777	2.103	ng	98
53) 3-Nitroaniline	10.133	138	128	4.250	ng	# 1
56) 4-Nitrophenol	10.133	139	5128	4.418	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	16143	12.940	ng	# 17
58) Fluorene	10.480	166	18301	2.407	ng	96
62) 4-Nitroaniline	10.475	138	140	3.792	ng	# 9
71) Phenanthrene	11.445	178	234474	22.996	ng	99
72) Anthracene	11.492	178	64745	6.493	ng	99
73) Carbazole	11.645	167	28523	3.063	ng	99
75) Fluoranthene	12.633	202	321515	29.544	ng	99
78) Pyrene	12.863	202	262185	20.347	ng	99
81) Benzo(a)anthracene	14.045	228	121106	11.931	ng	99
83) Chrysene	14.080	228	102246	11.113	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	38334	5.454	ng	97
88) Benzo(b)fluoranthene	15.104	252	132849	16.967	ng	97
89) Benzo(k)fluoranthene	15.104	252	132849	20.371	ng	97
90) Benzo(a)pyrene	15.468	252	67947	10.982	ng	98
92) Benzo(g,h,i)perylene	17.462	276	35101	7.809	ng	99

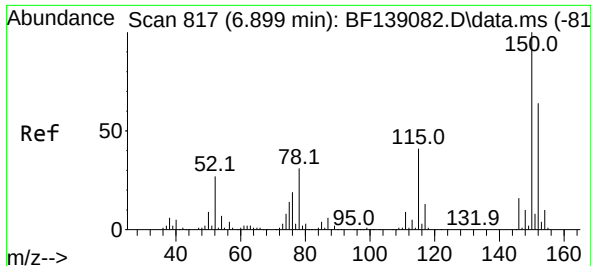
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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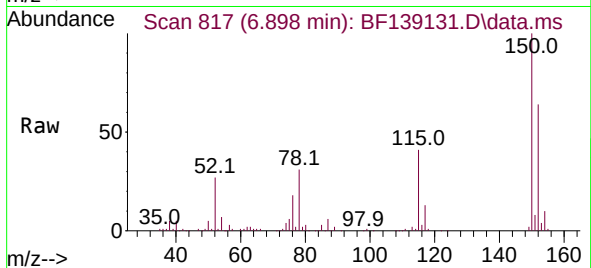
Quant Time: Aug 23 00:36:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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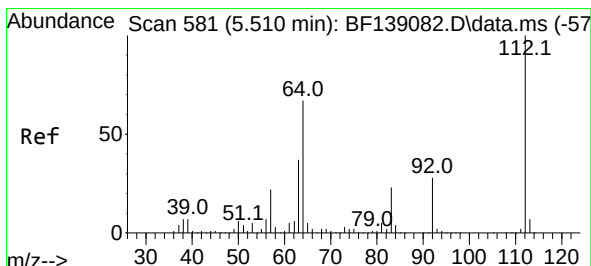
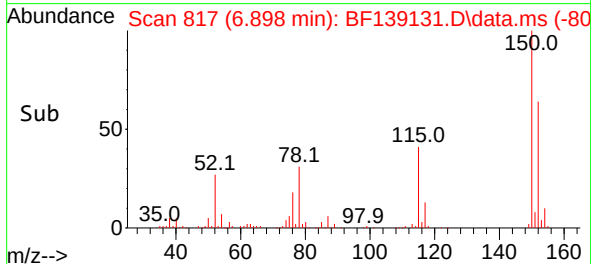
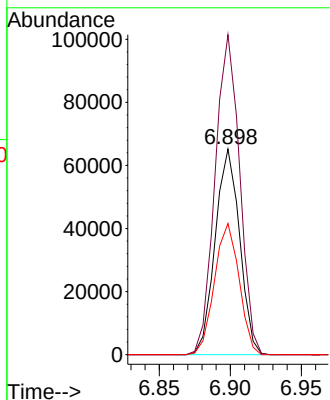


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624DL

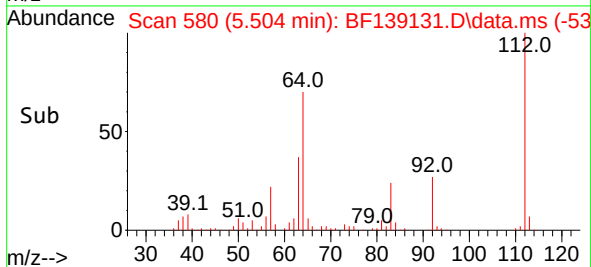
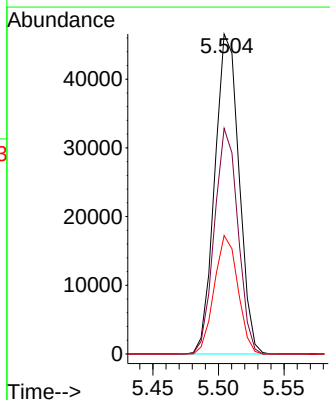
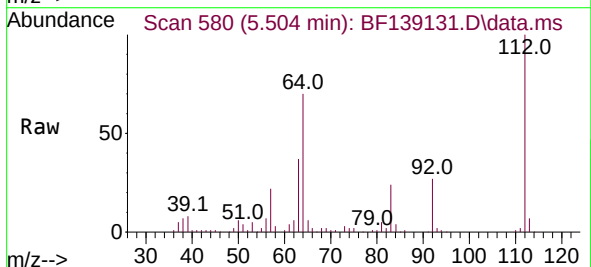


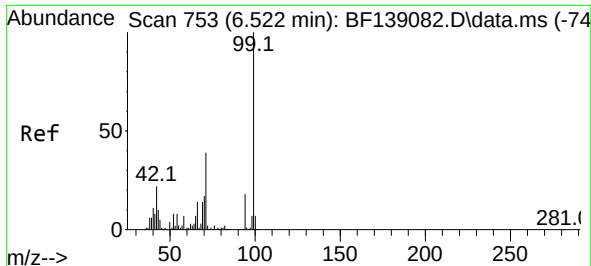
Tgt Ion:152 Resp: 78032
Ion Ratio Lower Upper
152 100
150 155.6 125.1 187.7
115 63.8 51.8 77.6



#5
2-Fluorophenol
Concen: 11.790 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

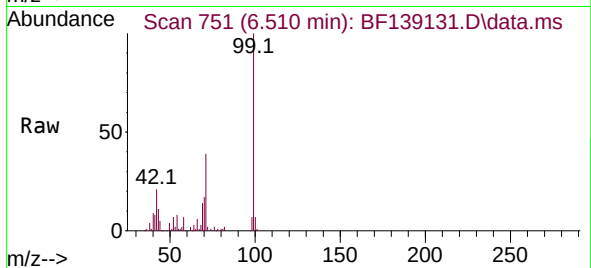
Tgt Ion:112 Resp: 59799
Ion Ratio Lower Upper
112 100
64 70.5 53.8 80.6
63 37.0 29.4 44.2



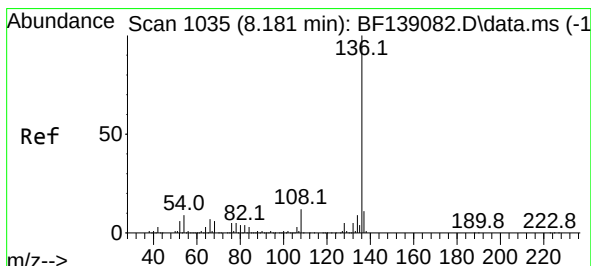
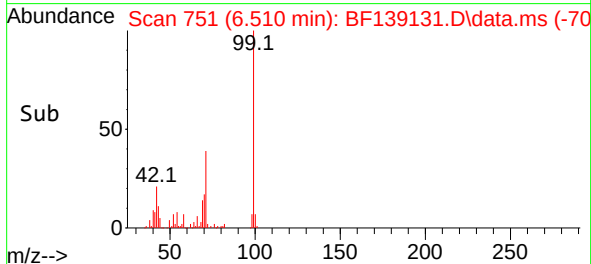
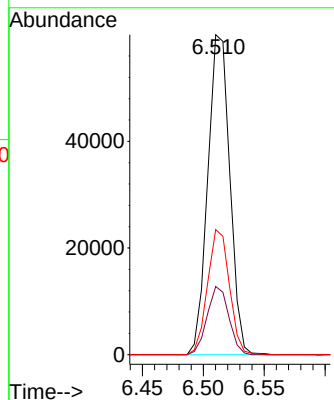


#7
Phenol-d6
Concen: 11.557 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624DL

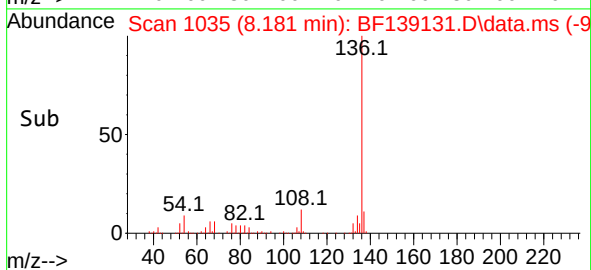
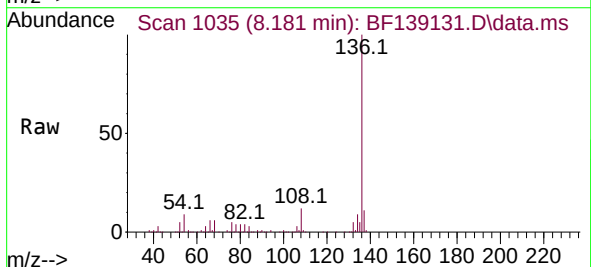
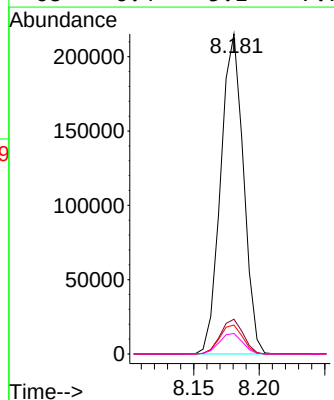


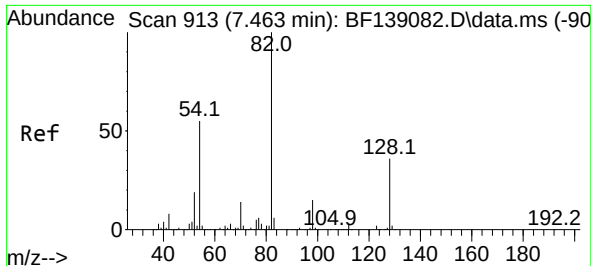
Tgt Ion: 99 Resp: 75741
Ion Ratio Lower Upper
99 100
42 21.3 17.4 26.2
71 39.1 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Tgt Ion: 136 Resp: 259444
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.0 7.6 11.4
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 9.981 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624DL

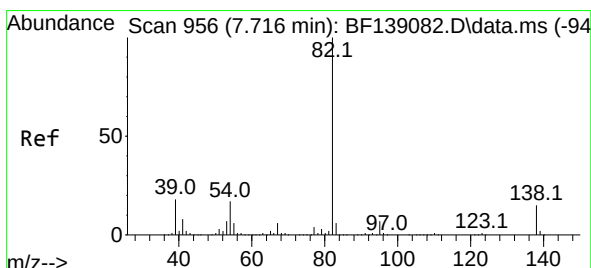
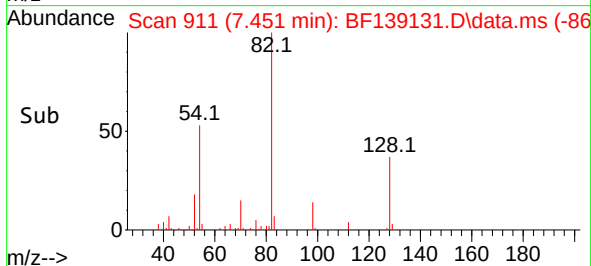
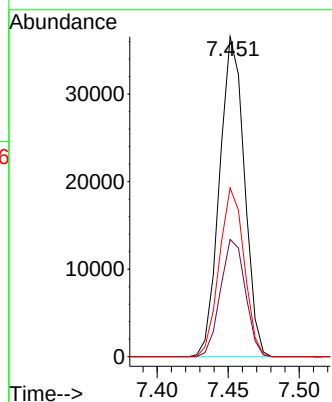
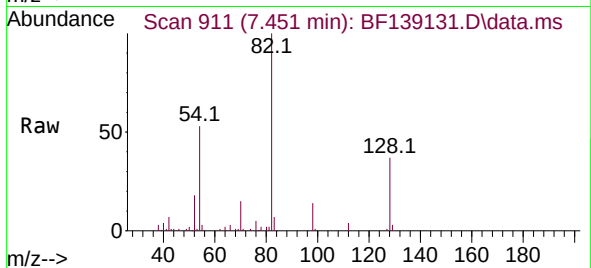
Tgt Ion: 82 Resp: 44442

Ion Ratio Lower Upper

82 100

128 36.7 29.0 43.4

54 52.7 43.4 65.2



#25

Isophorone

Concen: 4.688 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

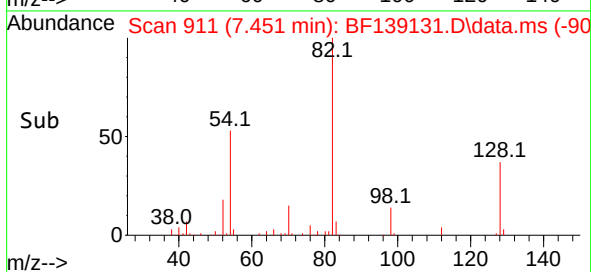
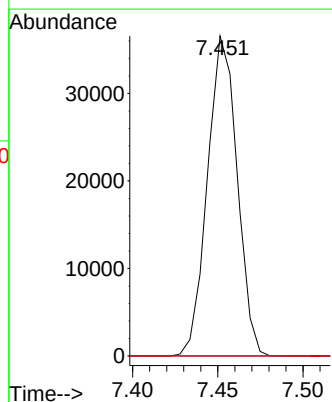
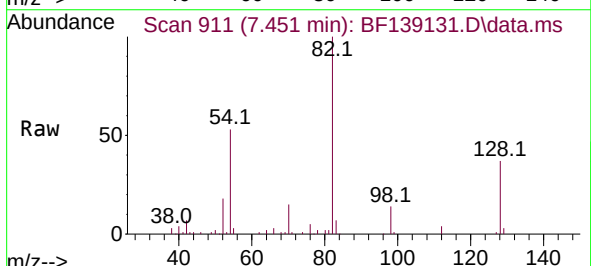
Tgt Ion: 82 Resp: 44367

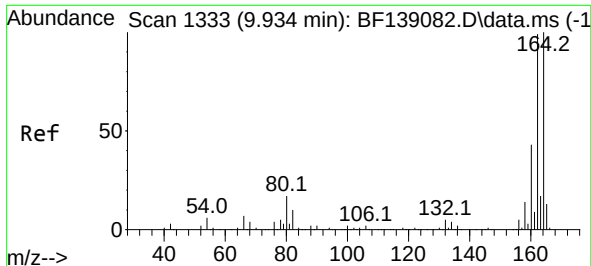
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 11.8 17.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.001 min

Lab File: BF139131.D

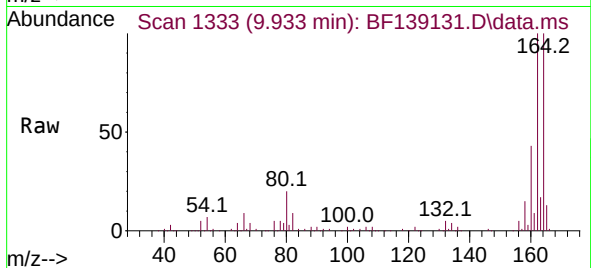
Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624DL



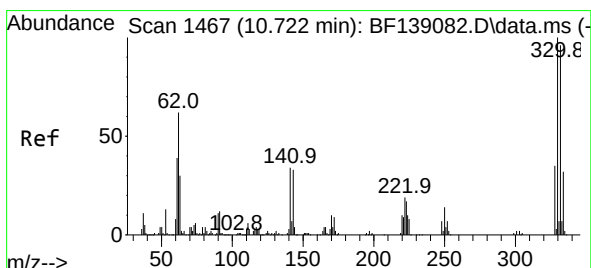
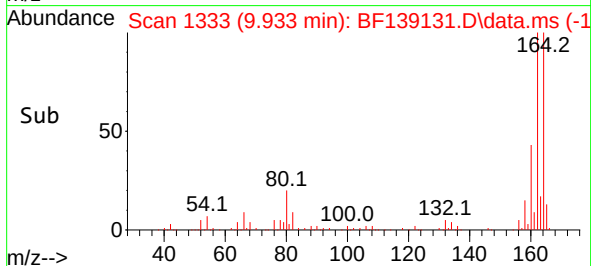
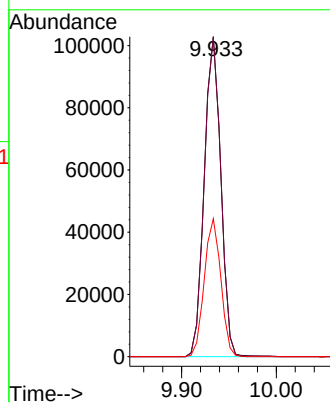
Tgt Ion:164 Resp: 124374

Ion Ratio Lower Upper

164 100

162 99.8 79.5 119.3

160 43.1 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 11.216 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

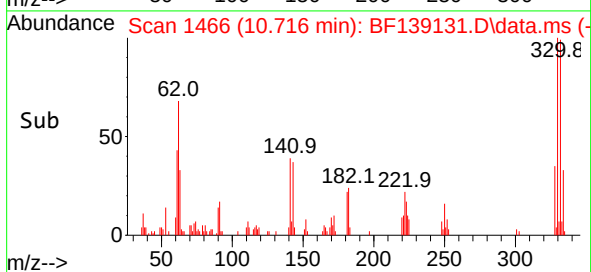
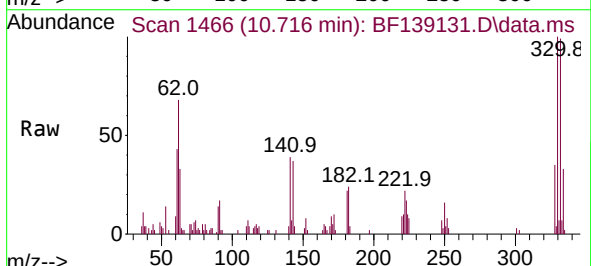
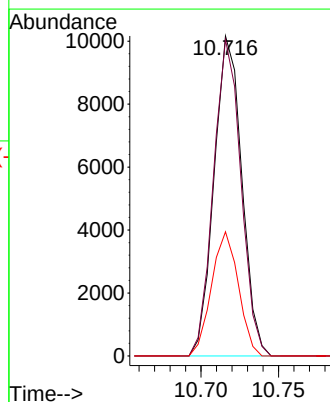
Tgt Ion:330 Resp: 12628

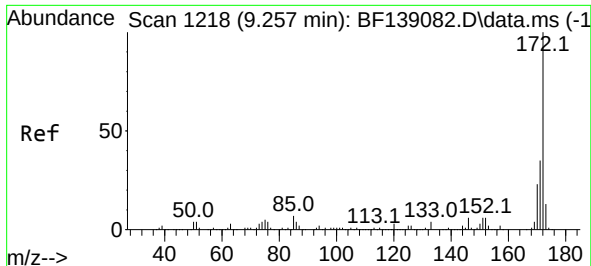
Ion Ratio Lower Upper

330 100

332 98.0 77.0 115.6

141 37.7 27.5 41.3





#45

2-Fluorobiphenyl

Concen: 8.273 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139131.D

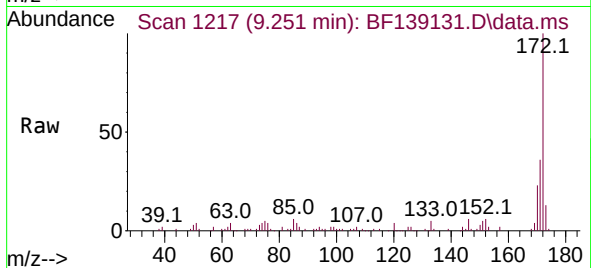
Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

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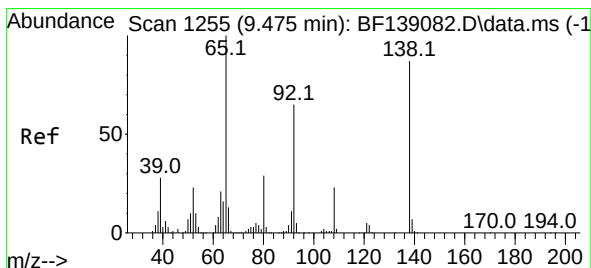
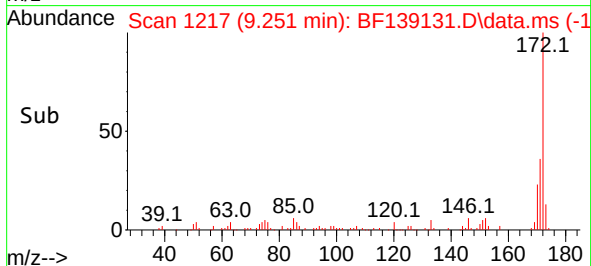
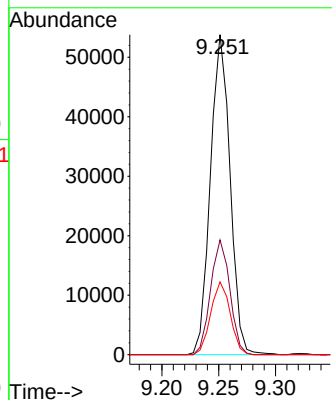
Tgt Ion:172 Resp: 64849

Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 22.7 18.8 28.2



#48

2-Nitroaniline

Concen: 5.720 ng

RT: 9.586 min Scan# 1274

Delta R.T. 0.111 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

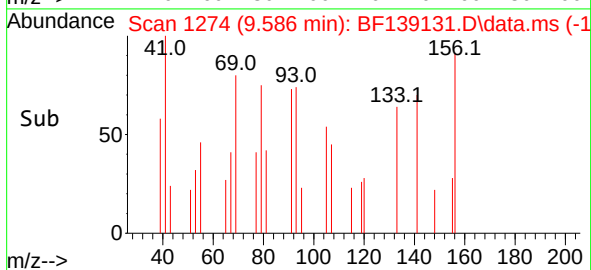
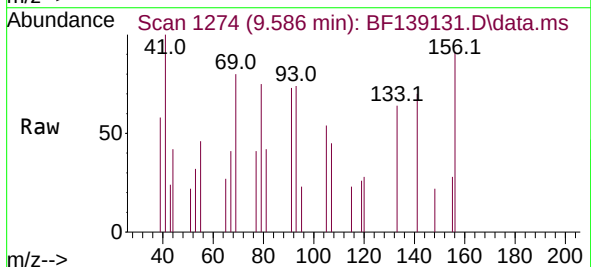
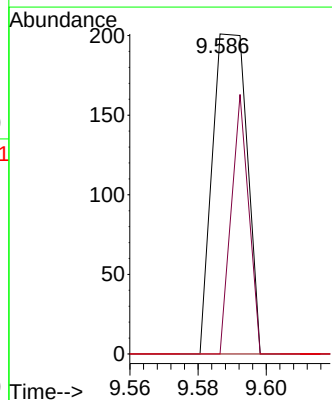
Tgt Ion: 65 Resp: 142

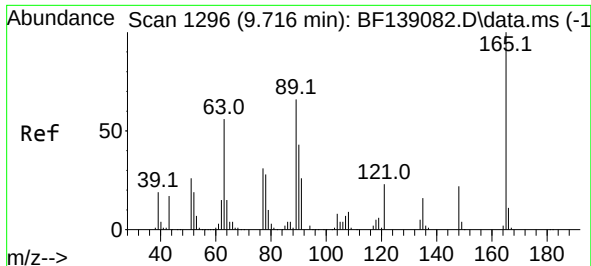
Ion Ratio Lower Upper

65 100

92 0.0 52.4 78.6#

138 0.0 69.4 104.0#

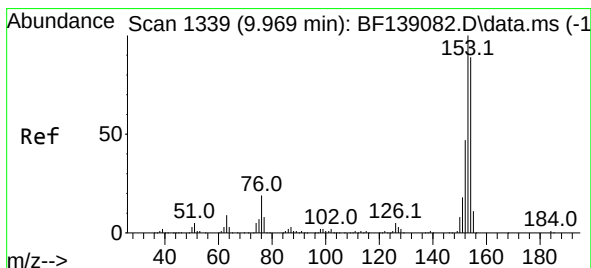
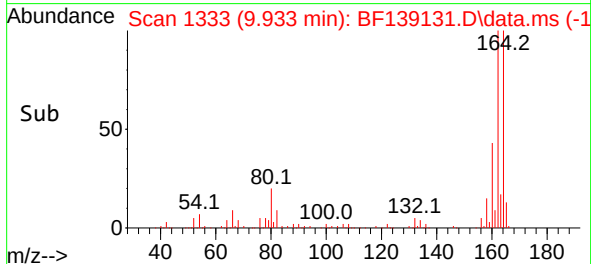
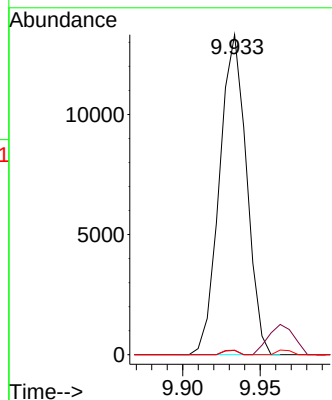
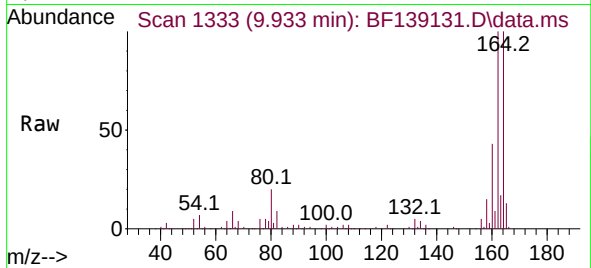




#51
2,6-Dinitrotoluene
Concen: 14.012 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

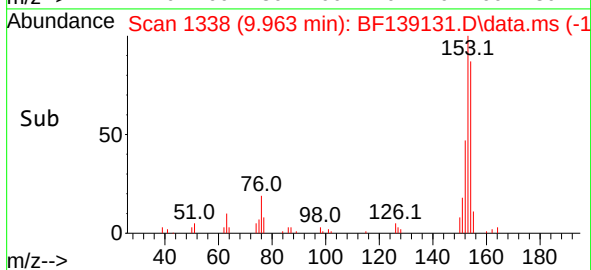
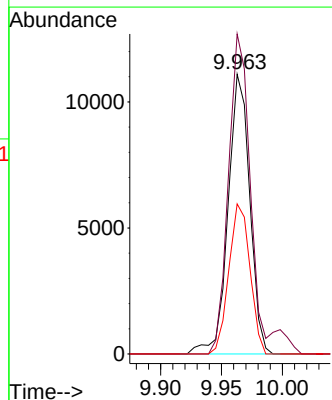
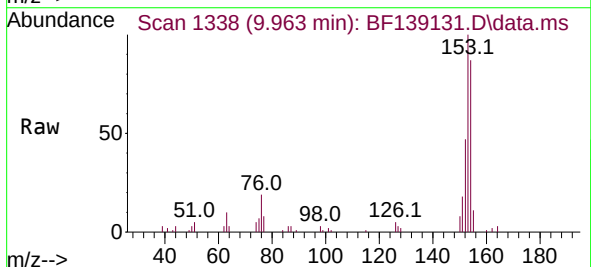
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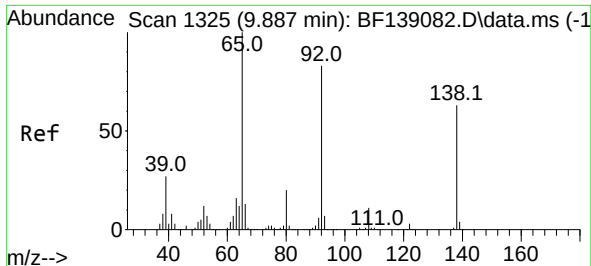
Tgt Ion:165 Resp: 16143
Ion Ratio Lower Upper
165 100
63 1.3 58.0 87.0#
89 1.4 53.3 79.9#



#52
Acenaphthene
Concen: 2.103 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Tgt Ion:154 Resp: 13777
Ion Ratio Lower Upper
154 100
153 114.4 89.7 134.5
152 53.6 42.3 63.5

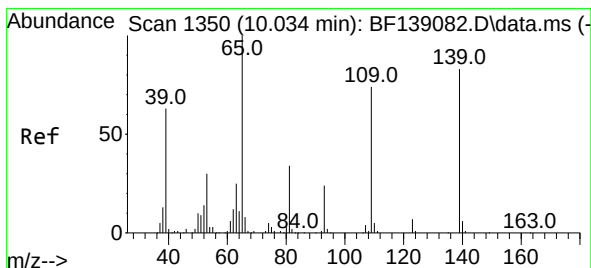
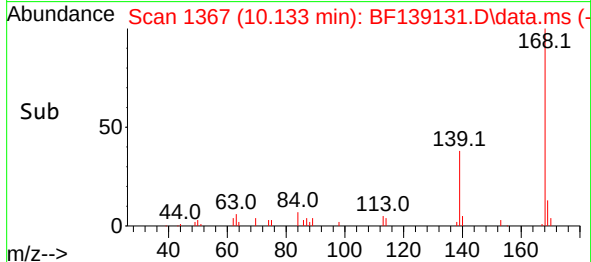
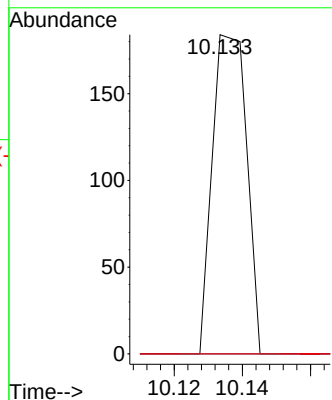
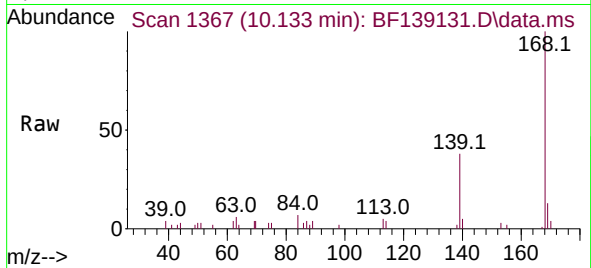




#53
3-Nitroaniline
Concen: 4.250 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.246 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

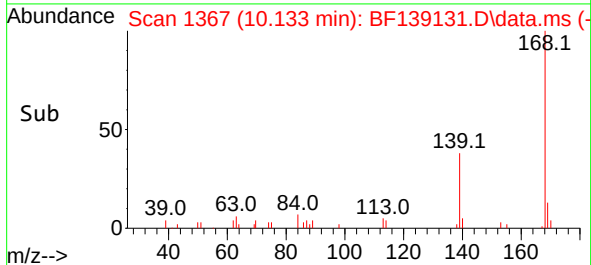
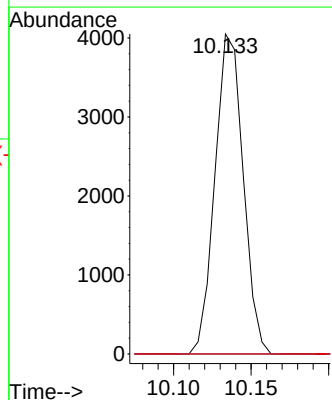
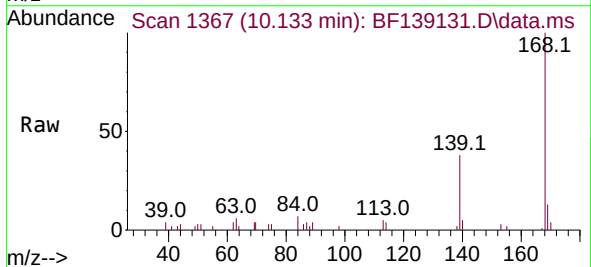
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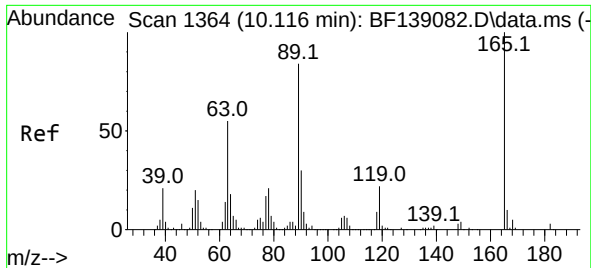
Tgt Ion:138 Resp: 128
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#



#56
4-Nitrophenol
Concen: 4.418 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.099 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Tgt Ion:139 Resp: 5128
Ion Ratio Lower Upper
139 100
109 0.0 68.8 108.8#
65 0.0 101.3 141.3#

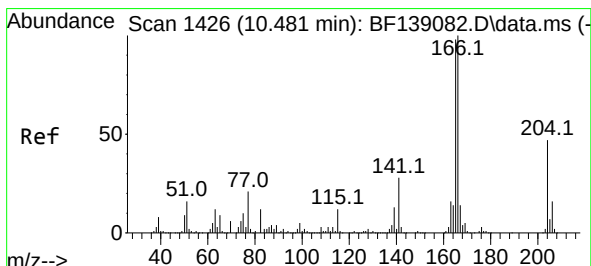
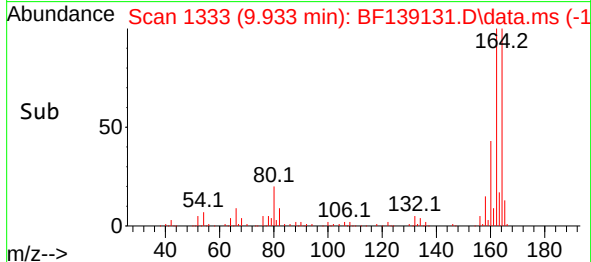
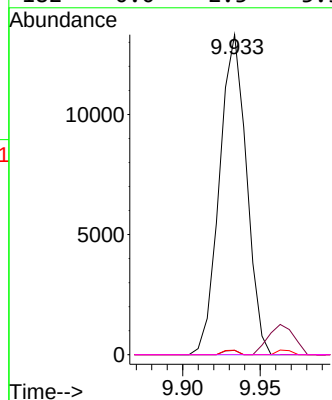
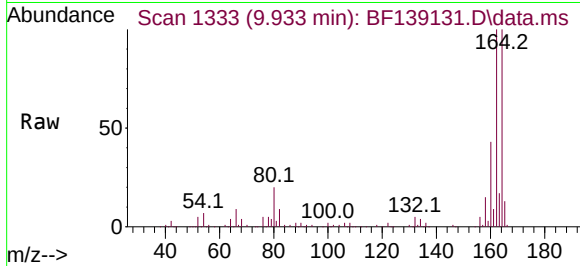




#57
2,4-Dinitrotoluene
Concen: 12.940 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

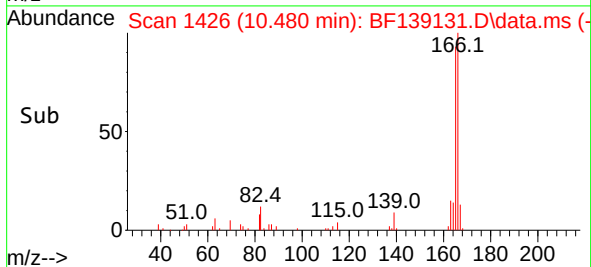
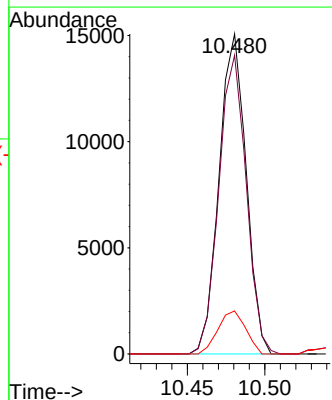
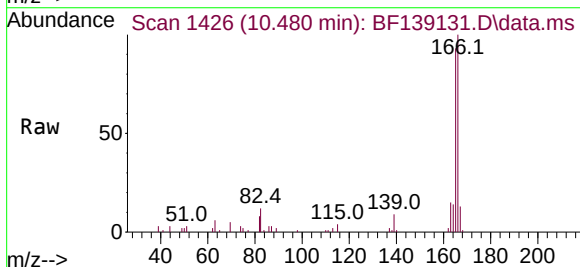
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624DL

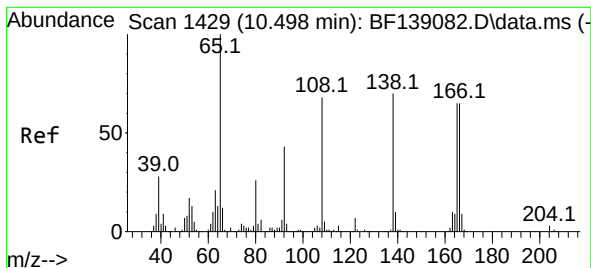
Tgt Ion:165 Resp: 16143
Ion Ratio Lower Upper
165 100
63 1.3 44.2 66.4#
89 1.4 67.4 101.2#
182 0.0 2.3 3.5#



#58
Fluorene
Concen: 2.407 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Tgt Ion:166 Resp: 18301
Ion Ratio Lower Upper
166 100
165 93.4 78.0 117.0
167 13.4 11.0 16.4

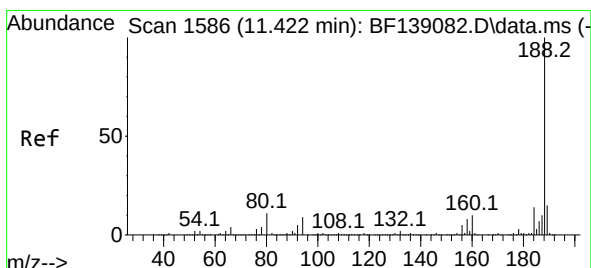
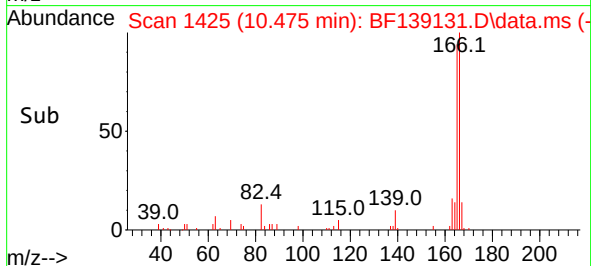
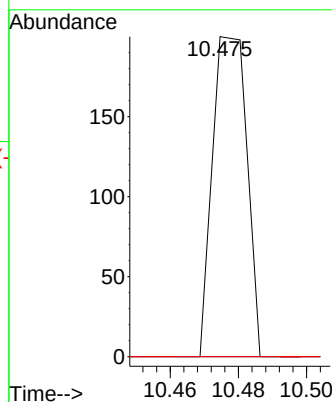
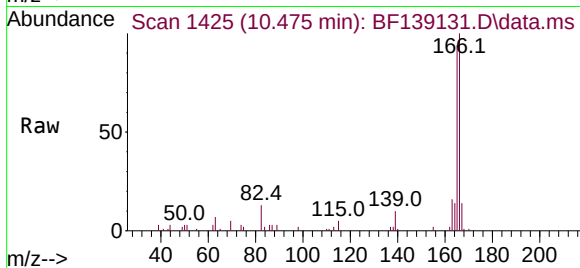




#62
4-Nitroaniline
Concen: 3.792 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

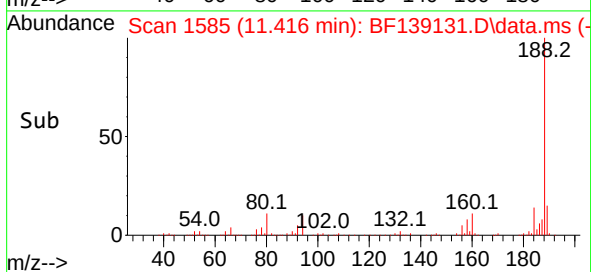
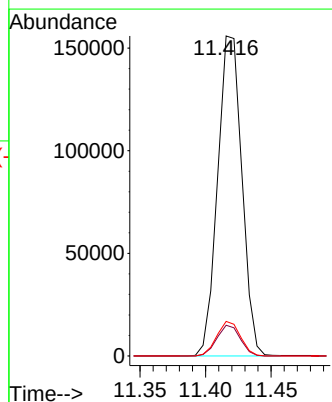
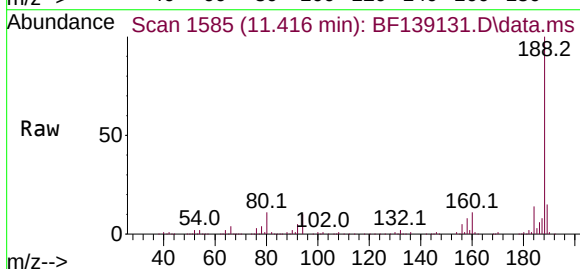
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624DL

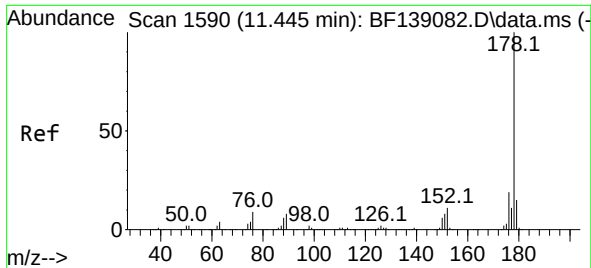
Tgt Ion:138 Resp: 140
Ion Ratio Lower Upper
138 100
92 0.0 41.4 81.4#
108 0.0 76.8 116.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Tgt Ion:188 Resp: 200601
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 10.8 8.5 12.7

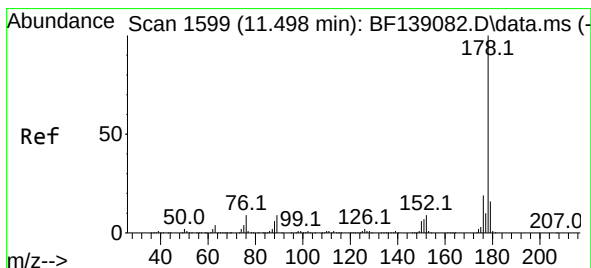
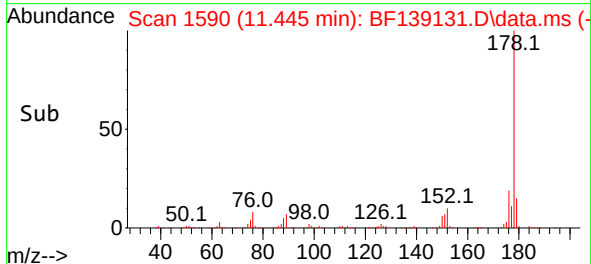
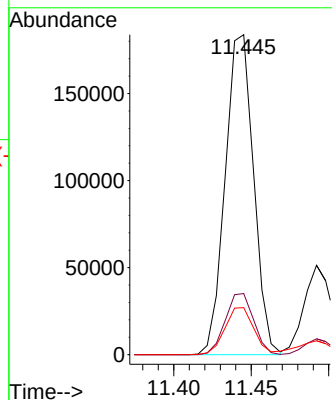
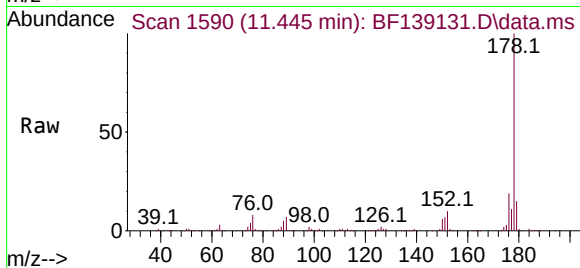




#71
Phenanthrene
Concen: 22.996 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

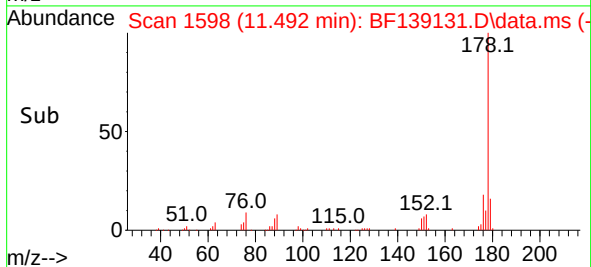
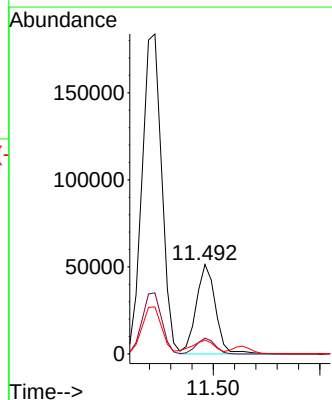
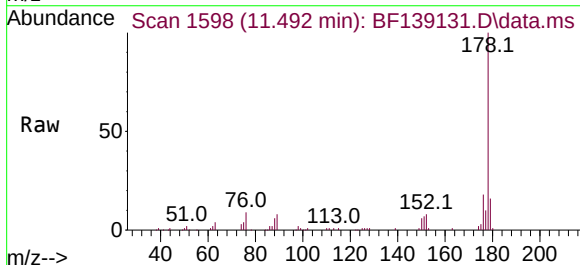
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624DL

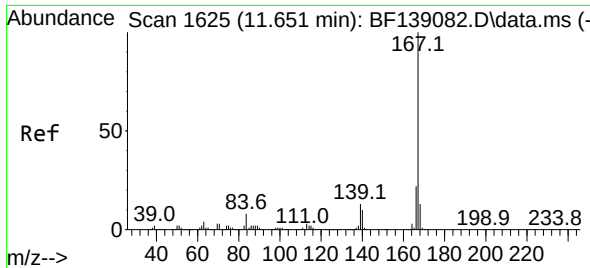
Tgt Ion:178 Resp: 234474
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 14.7 12.3 18.5



#72
Anthracene
Concen: 6.493 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Tgt Ion:178 Resp: 64745
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 15.5 12.4 18.6

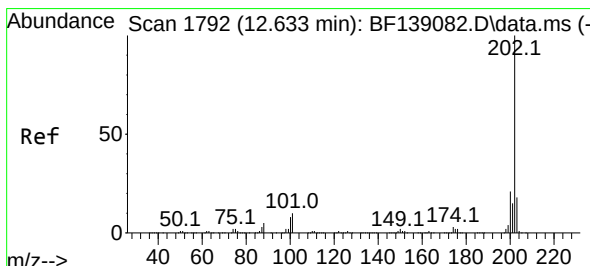
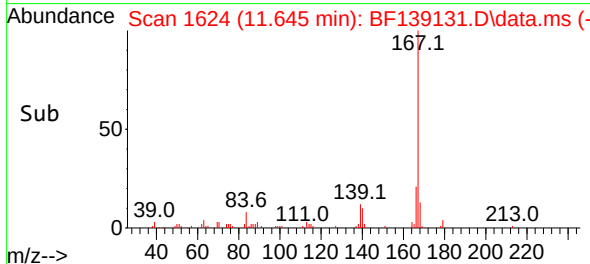
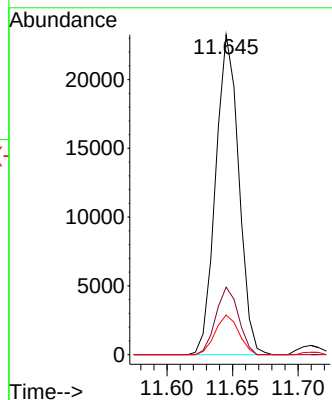
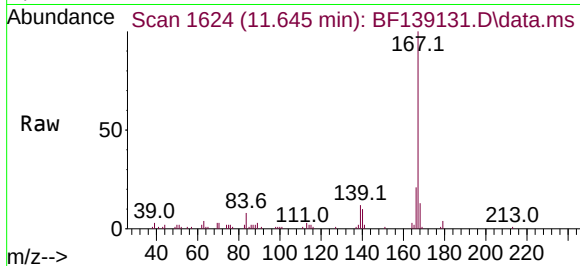




#73
 Carbazole
 Concen: 3.063 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF139131.D
 Acq: 22 Aug 2024 19:20

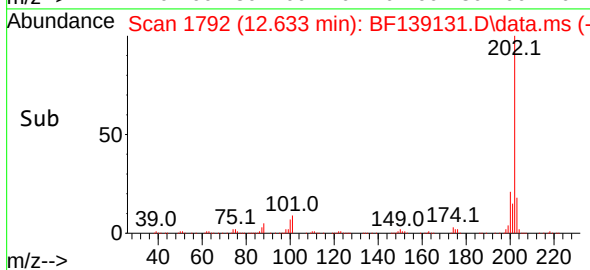
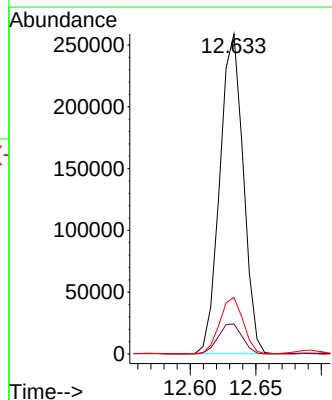
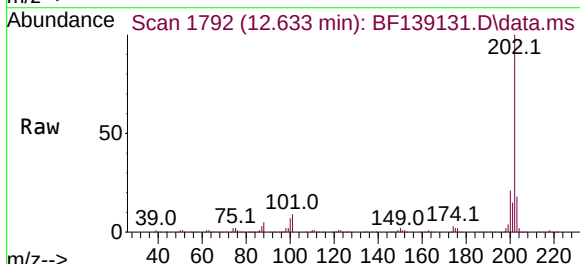
Instrument :
 BNA_F
 ClientSampleId :
 S-902-0.5-1-081624DL

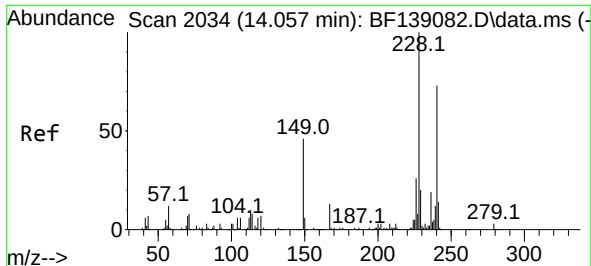
Tgt Ion:	167	Resp:	28523
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.3	25.9
139	12.4	10.5	15.7



#75
 Fluoranthene
 Concen: 29.544 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF139131.D
 Acq: 22 Aug 2024 19:20

Tgt Ion:	202	Resp:	321515
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	30.2
203	17.6	0.0	37.6

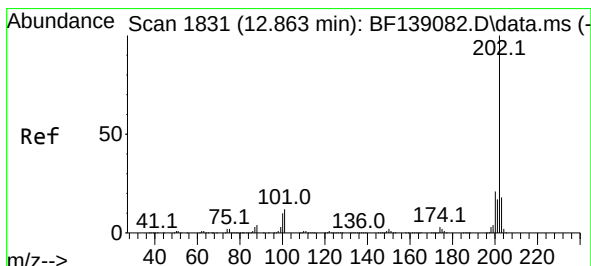
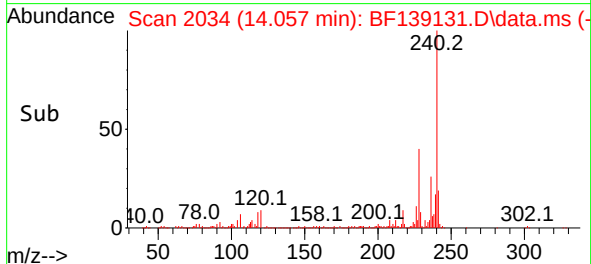
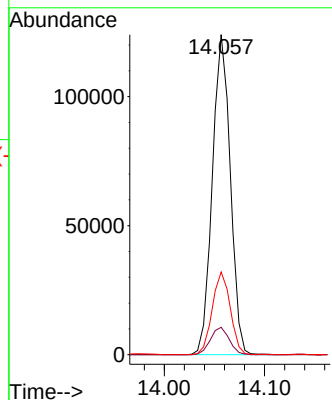
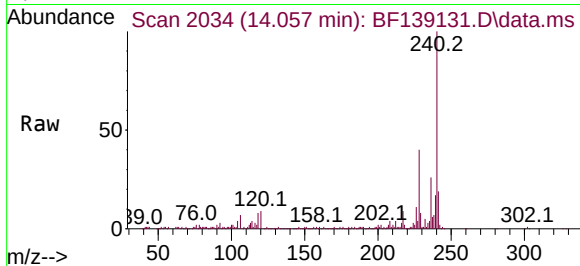




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

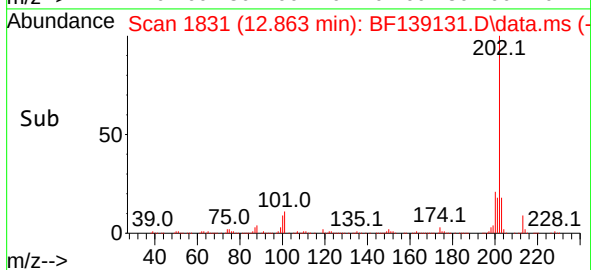
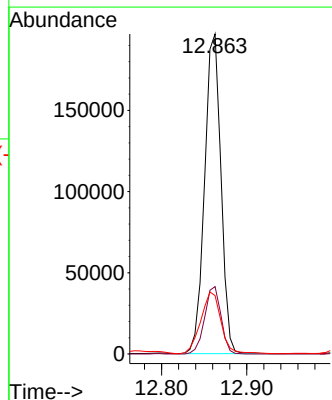
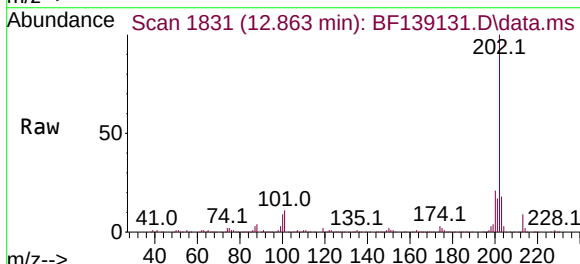
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624DL

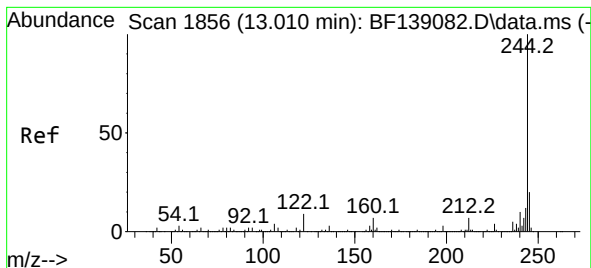
Tgt Ion:240 Resp: 154409
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 25.9 20.9 31.3



#78
Pyrene
Concen: 20.347 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139131.D
Acq: 22 Aug 2024 19:20

Tgt Ion:202 Resp: 262185
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 7.051 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624DL

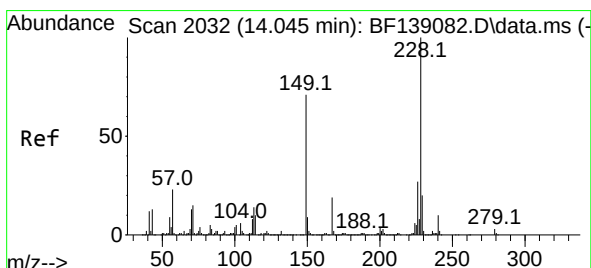
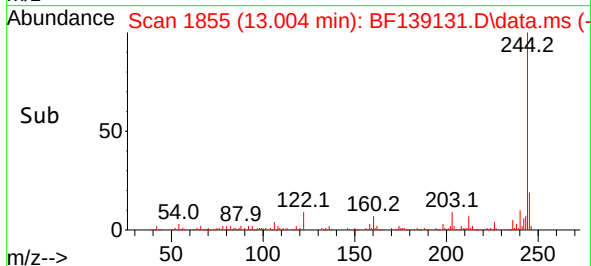
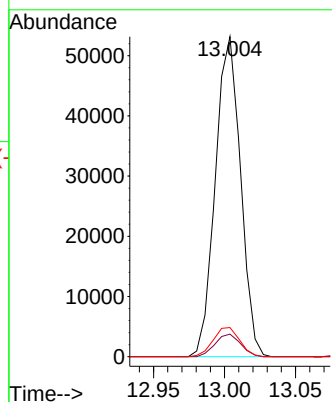
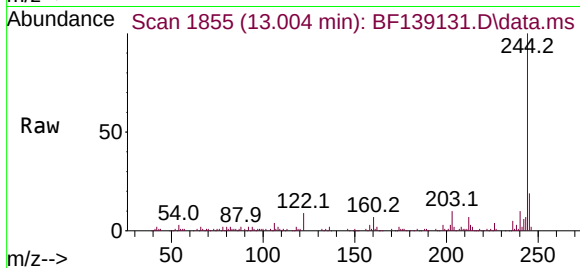
Tgt Ion:244 Resp: 65617

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 9.1 7.6 11.4



#81

Benzo(a)anthracene

Concen: 11.931 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

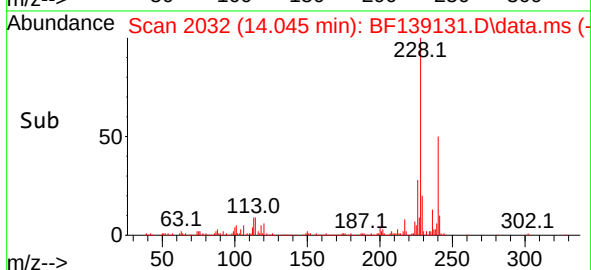
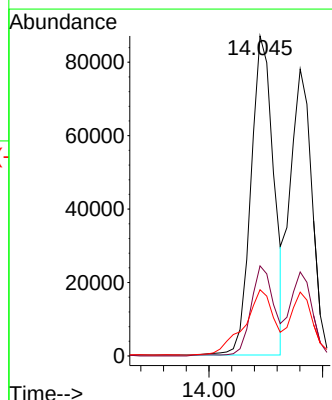
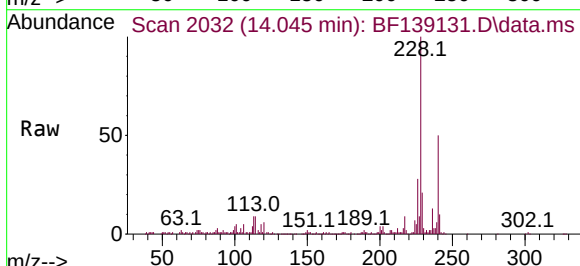
Tgt Ion:228 Resp: 121106

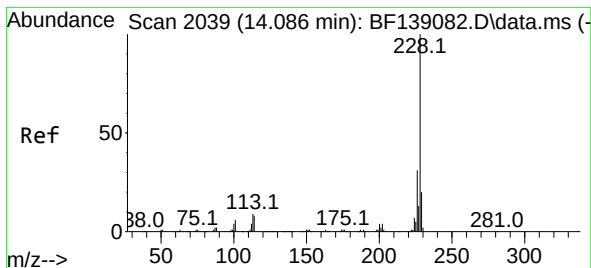
Ion Ratio Lower Upper

228 100

226 28.1 21.9 32.9

229 20.7 16.1 24.1





#83

Chrysene

Concen: 11.113 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624DL

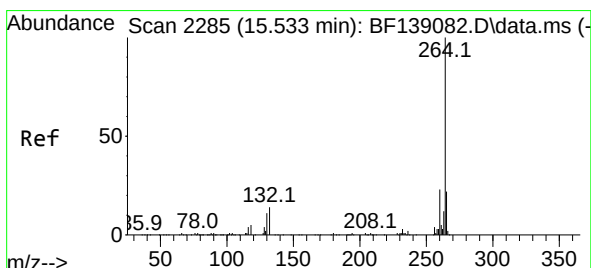
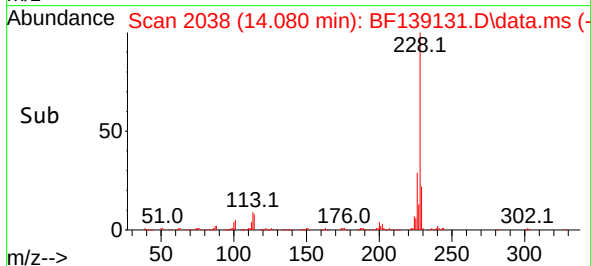
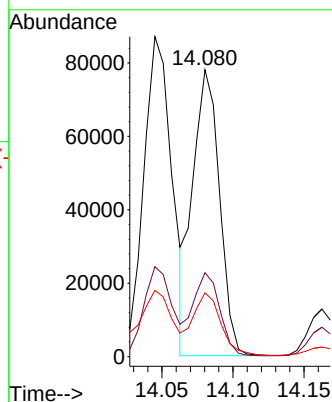
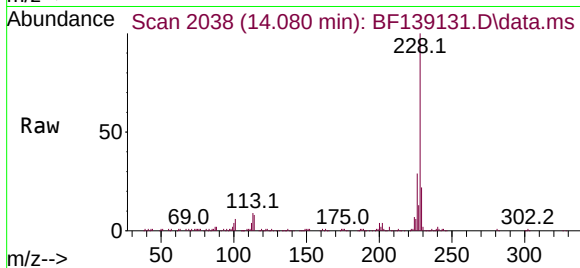
Tgt Ion:228 Resp: 102246

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

229 22.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

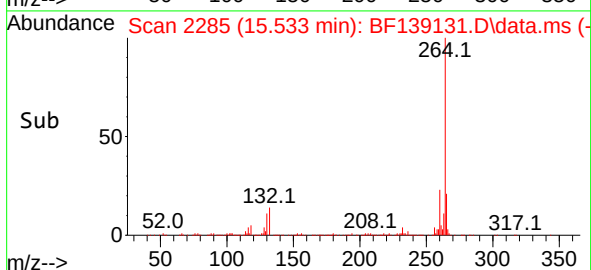
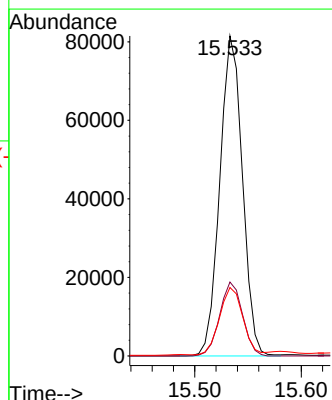
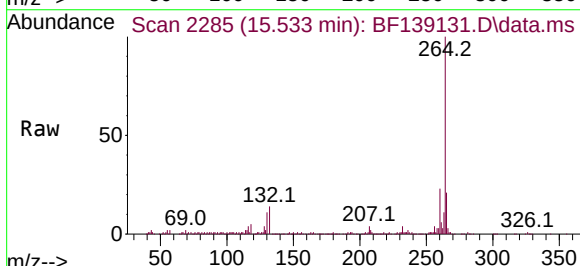
Tgt Ion:264 Resp: 120105

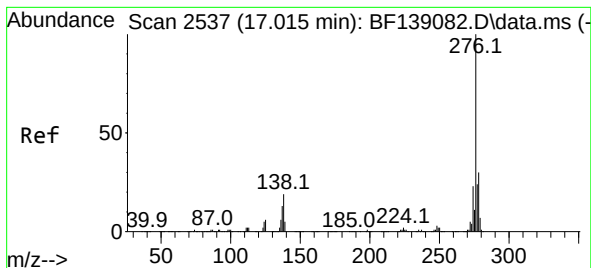
Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.454 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624DL

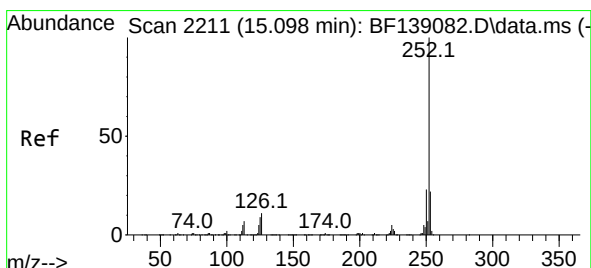
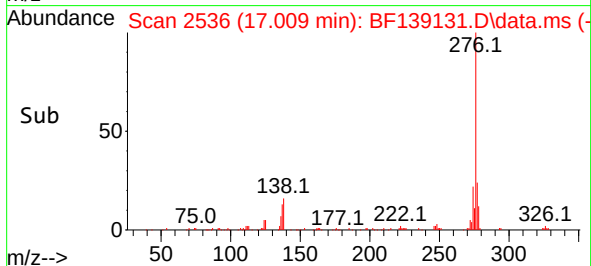
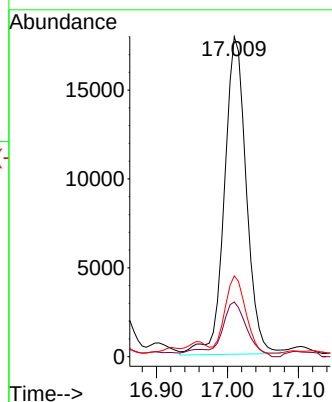
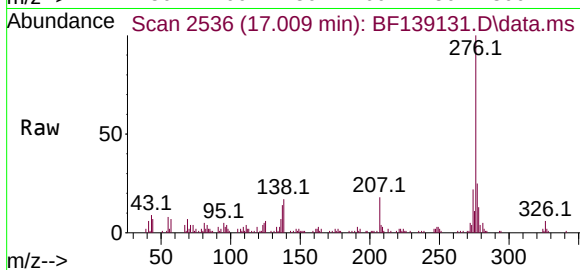
Tgt Ion:276 Resp: 38334

Ion Ratio Lower Upper

276 100

138 20.9 17.3 25.9

277 22.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 16.967 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

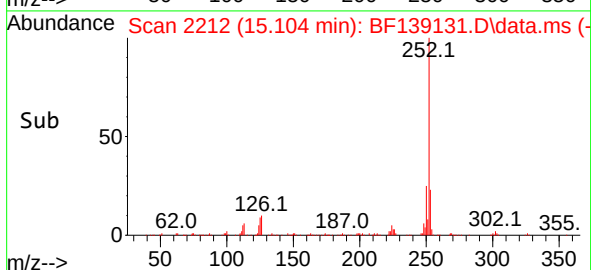
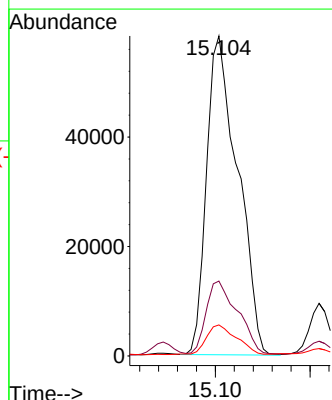
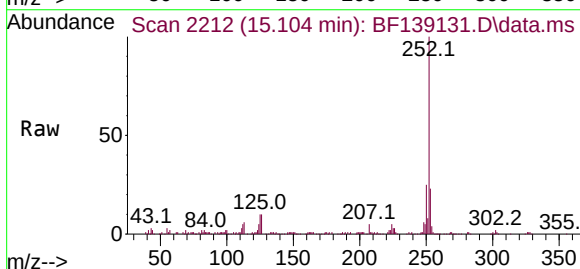
Tgt Ion:252 Resp: 132849

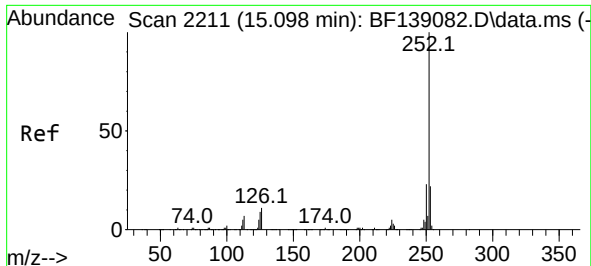
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 9.7 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 20.371 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624DL

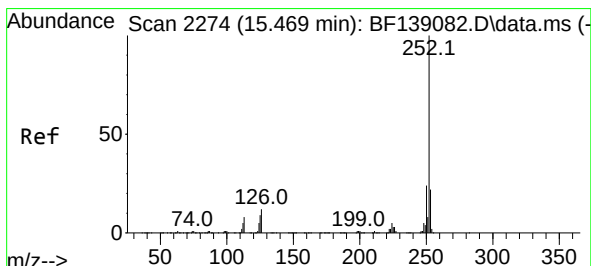
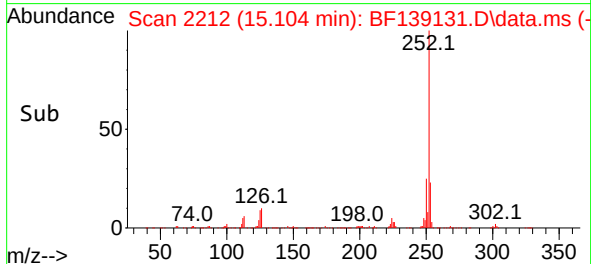
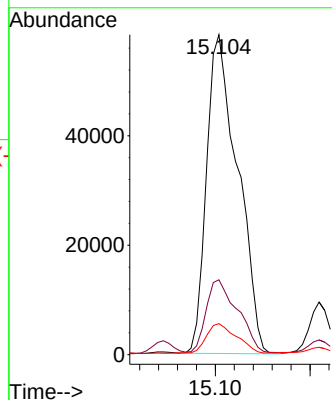
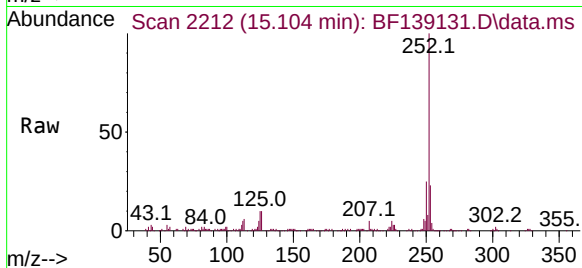
Tgt Ion:252 Resp: 132849

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 9.7 7.0 10.6



#90

Benzo(a)pyrene

Concen: 10.982 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139131.D

Acq: 22 Aug 2024 19:20

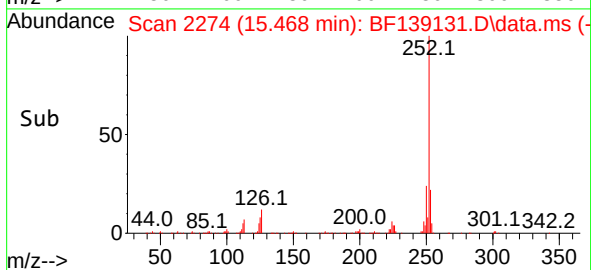
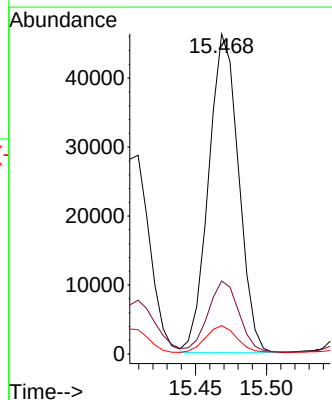
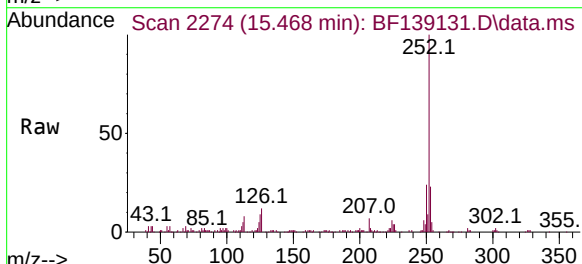
Tgt Ion:252 Resp: 67947

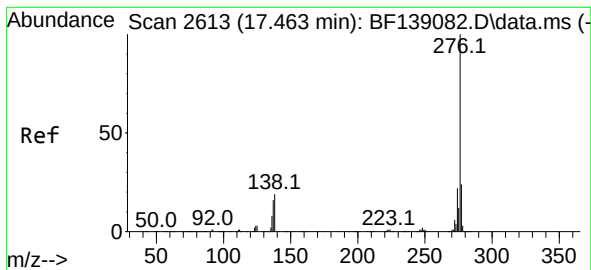
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 8.9 7.4 11.2





#92

Benzo(g,h,i)perylene

Concen: 7.809 ng

RT: 17.462 min Scan# 20

Delta R.T. -0.001 min

Lab File: BF139131.D

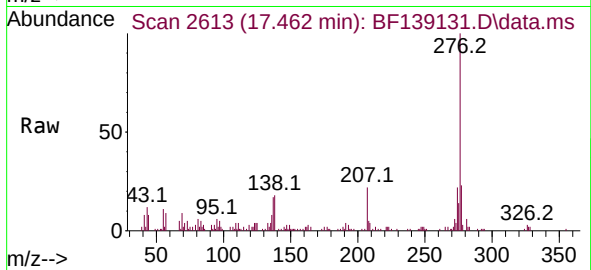
Acq: 22 Aug 2024 19:20

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624DL



Tgt Ion:276 Resp: 35101

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 18.0 15.0 22.4

