

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139134.D
 Acq On : 22 Aug 2024 20:50
 Operator : RC/JU
 Sample : P3641-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-910-K1-0-0.5-081524

Quant Time: Aug 23 00:36:56 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)

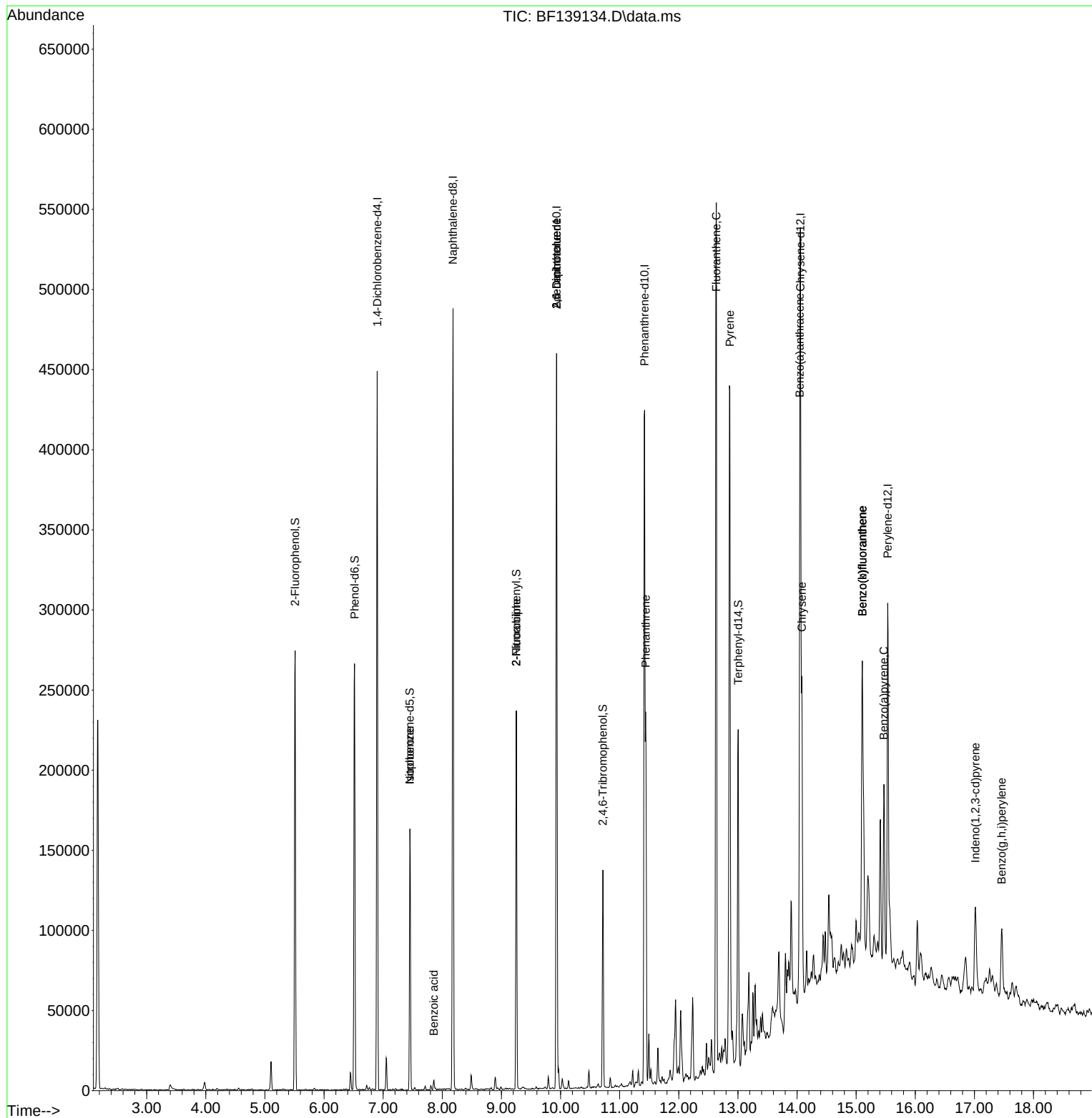
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	83526	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	273659	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	129835	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	217183	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157613	20.000	ng	0.00
86) Perylene-d12	15.533	264	127168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	90043	16.586	ng	0.00
7) Phenol-d6	6.516	99	110215	15.711	ng	0.00
23) Nitrobenzene-d5	7.451	82	67236	14.316	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	19503	16.593	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	94297	11.523	ng	0.00
79) Terphenyl-d14	13.004	244	92213	9.708	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.451	82	67165	6.729	ng	# 69
32) Benzoic acid	7.857	122	1668	8.870	ng	# 84
48) 2-Nitroaniline	9.251	65	65	5.685	ng	# 6
51) 2,6-Dinitrotoluene	9.934	165	16482	13.804	ng	# 16
57) 2,4-Dinitrotoluene	9.934	165	16482	12.778	ng	# 16
71) Phenanthrene	11.439	178	115853	10.495	ng	98
75) Fluoranthene	12.633	202	297894	25.283	ng	99
78) Pyrene	12.863	202	237663	18.069	ng	99
81) Benzo(a)anthracene	14.045	228	105040	10.138	ng	99
83) Chrysene	14.080	228	98357	10.473	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	40963	5.504	ng	97
88) Benzo(b)fluoranthene	15.104	252	152329	18.374	ng	100
89) Benzo(k)fluoranthene	15.104	252	152329	22.061	ng	100
90) Benzo(a)pyrene	15.468	252	63794	9.738	ng	97
92) Benzo(g,h,i)perylene	17.462	276	38193	7.948	ng	99

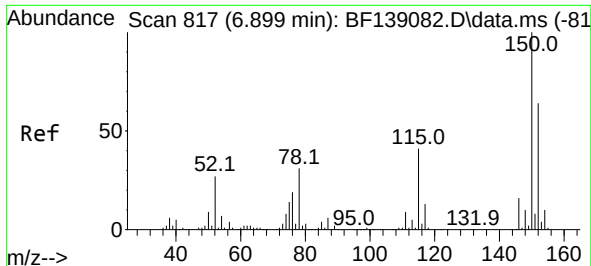
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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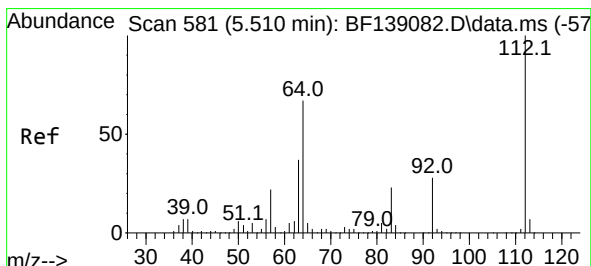
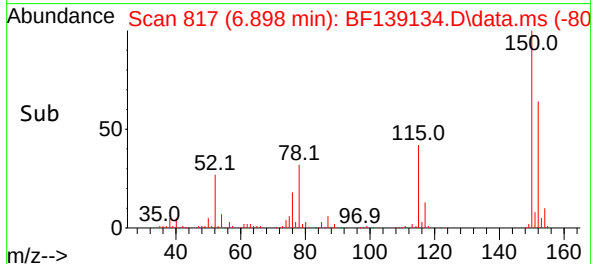
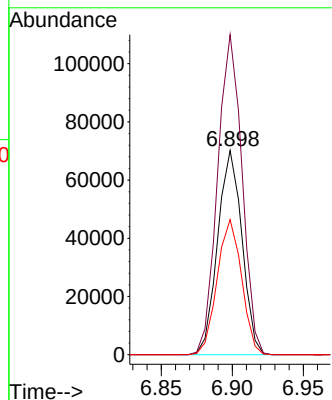
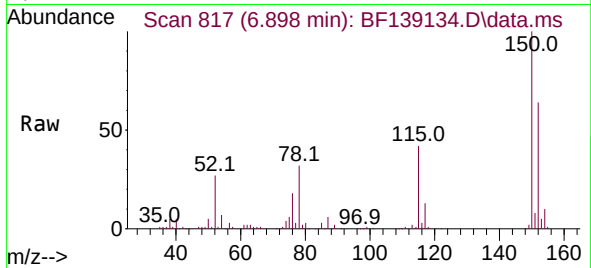




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

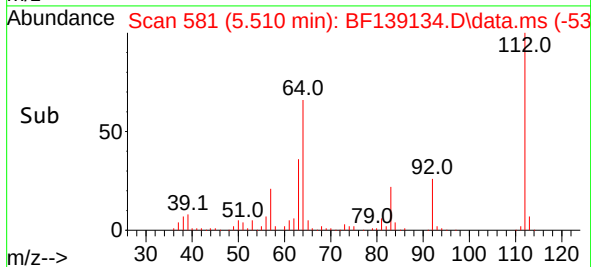
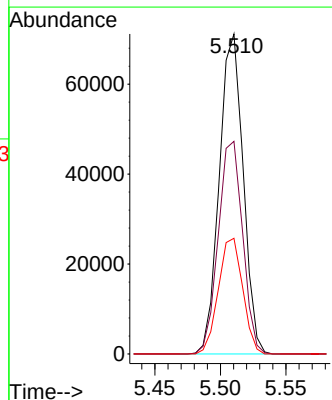
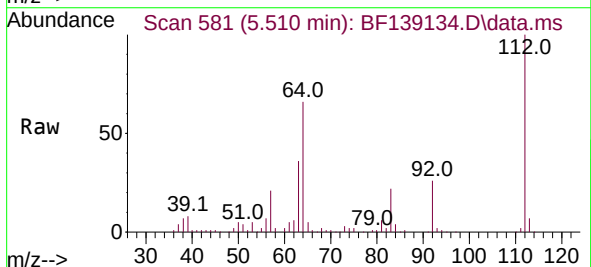
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

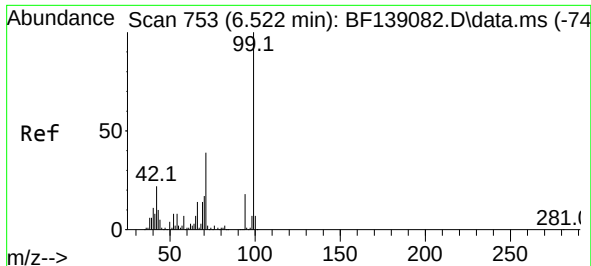
Tgt Ion:152 Resp: 83526
Ion Ratio Lower Upper
152 100
150 156.8 125.1 187.7
115 66.1 51.8 77.6



#5
2-Fluorophenol
Concen: 16.586 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:112 Resp: 90043
Ion Ratio Lower Upper
112 100
64 66.4 53.8 80.6
63 36.2 29.4 44.2





#7

Phenol-d6

Concen: 15.711 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139134.D

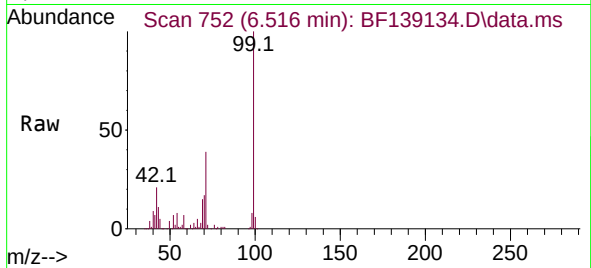
Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524



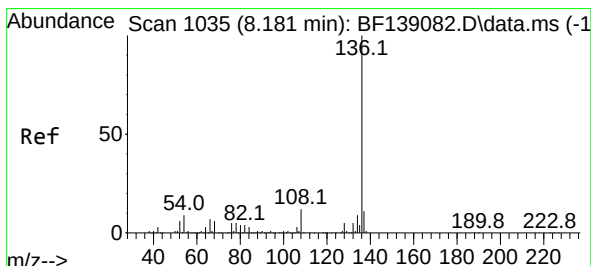
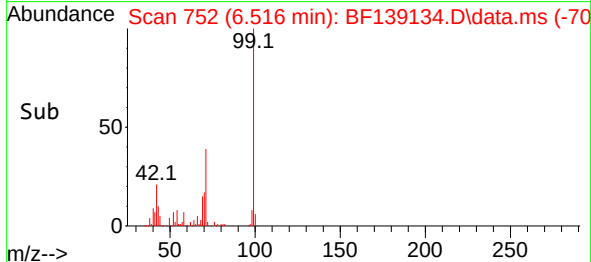
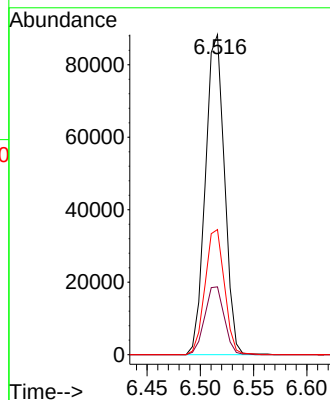
Tgt Ion: 99 Resp: 110215

Ion Ratio Lower Upper

99 100

42 21.2 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: BF139134.D

Acq: 22 Aug 2024 20:50

Tgt Ion: 136 Resp: 273659

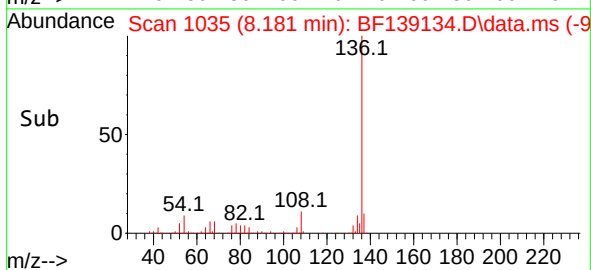
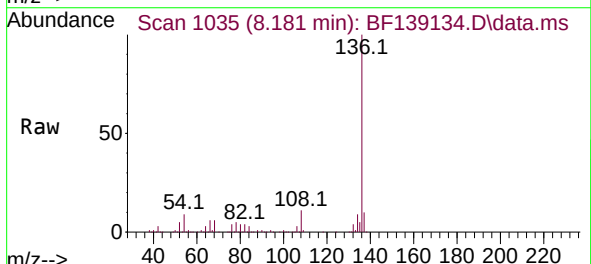
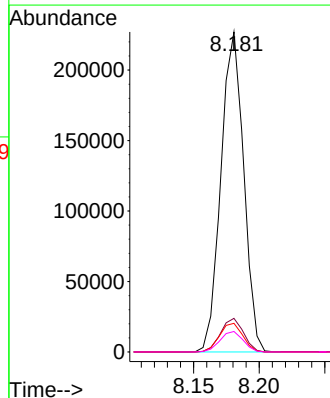
Ion Ratio Lower Upper

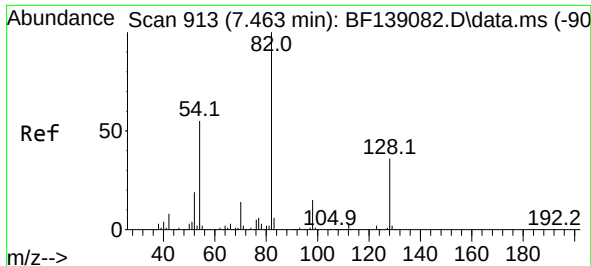
136 100

137 10.5 8.7 13.1

54 9.0 7.6 11.4

68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 14.316 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

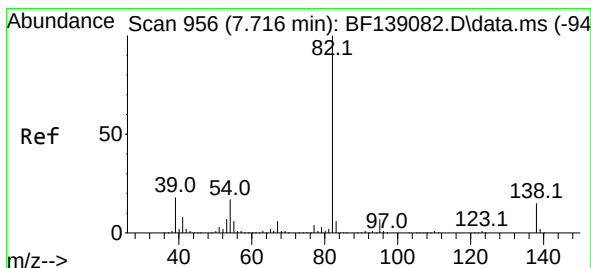
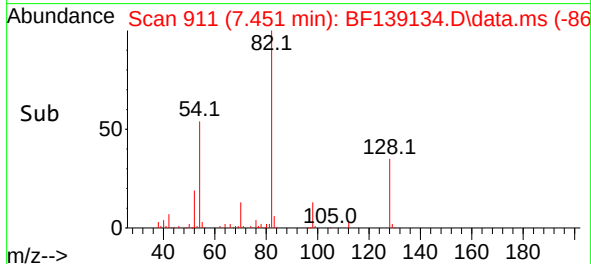
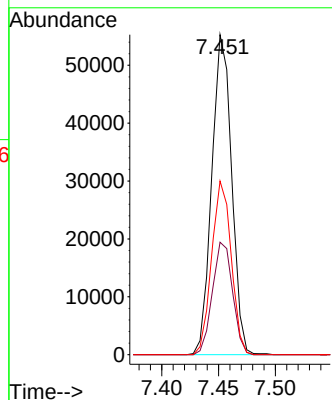
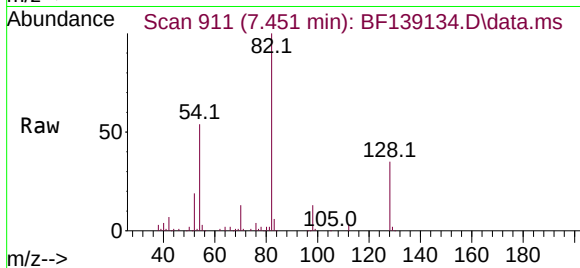
Tgt Ion: 82 Resp: 67236

Ion Ratio Lower Upper

82 100

128 35.2 29.0 43.4

54 54.3 43.4 65.2



#25

Isophorone

Concen: 6.729 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

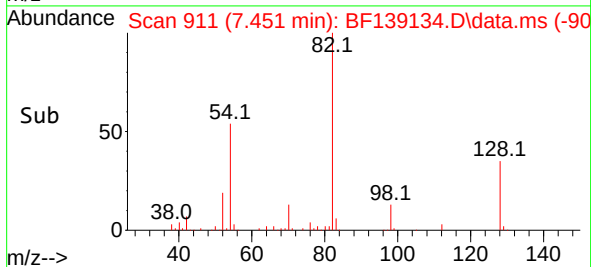
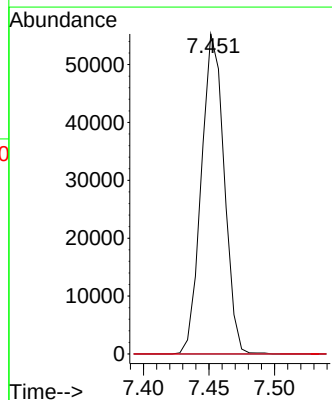
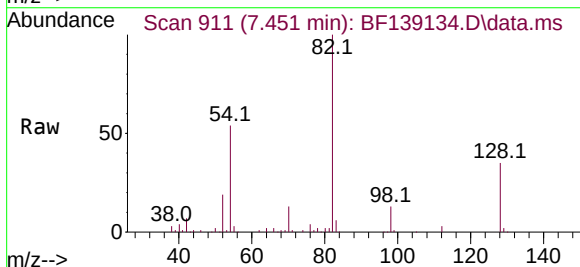
Tgt Ion: 82 Resp: 67165

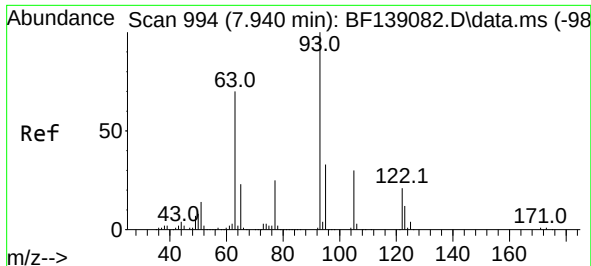
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 11.8 17.8#

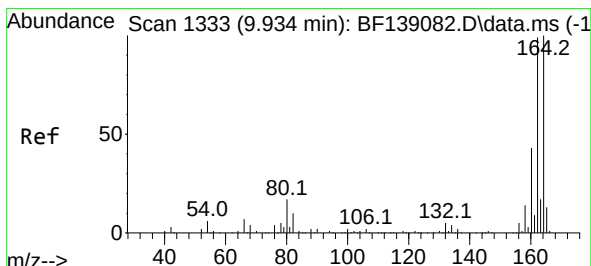
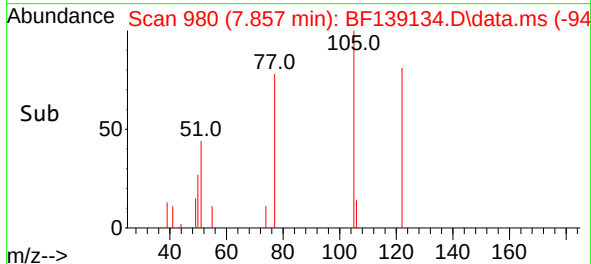
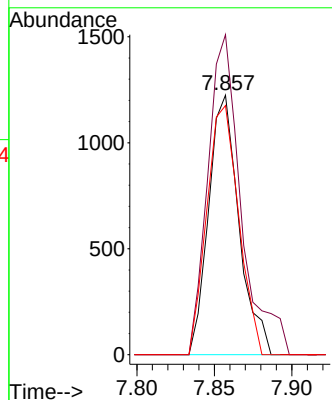
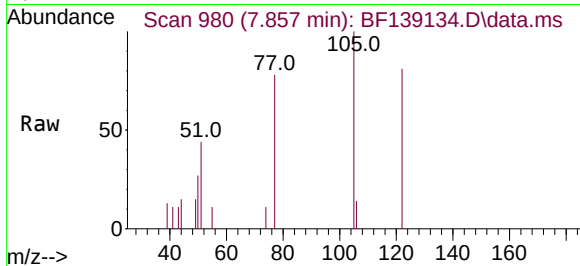




#32
Benzoic acid
Concen: 8.870 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.083 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

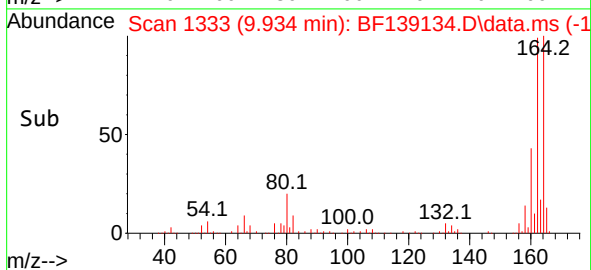
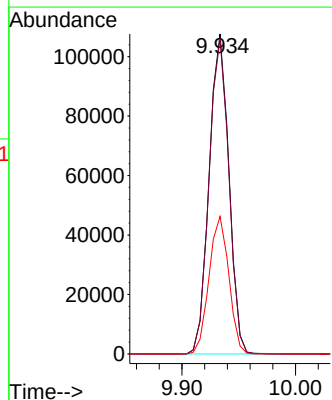
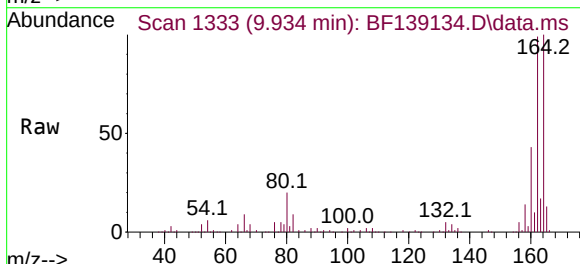
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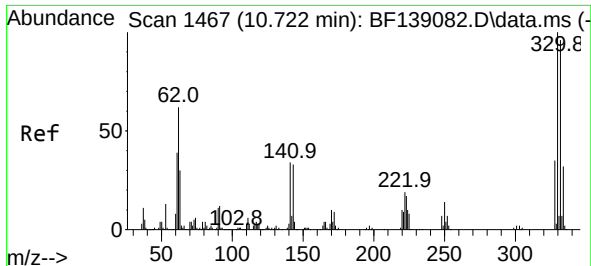
Tgt Ion:122 Resp: 1668
Ion Ratio Lower Upper
122 100
105 123.3 119.6 159.6
77 96.0 97.6 137.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:164 Resp: 129835
Ion Ratio Lower Upper
164 100
162 98.6 79.5 119.3
160 43.0 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 16.593 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139134.D

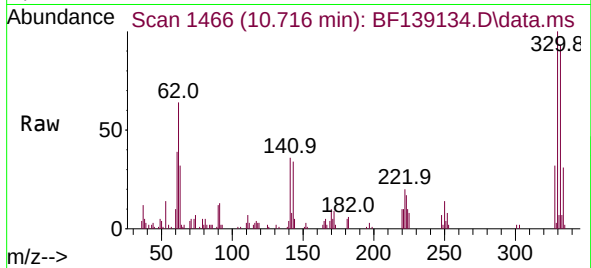
Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524



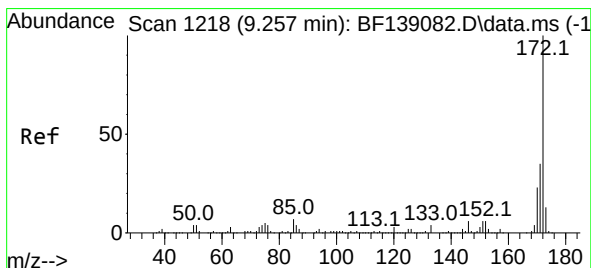
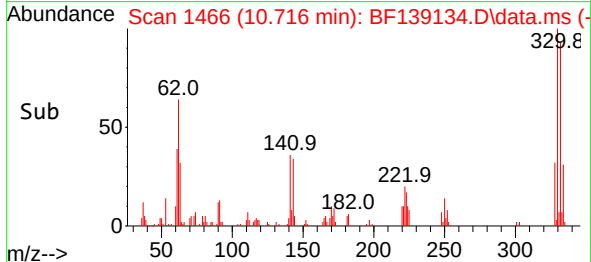
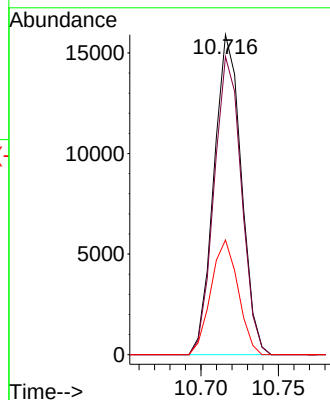
Tgt Ion:330 Resp: 19503

Ion Ratio Lower Upper

330 100

332 93.1 77.0 115.6

141 35.7 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 11.523 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

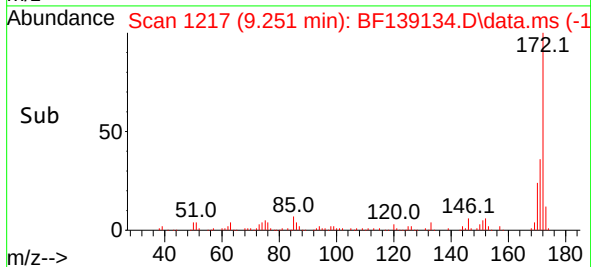
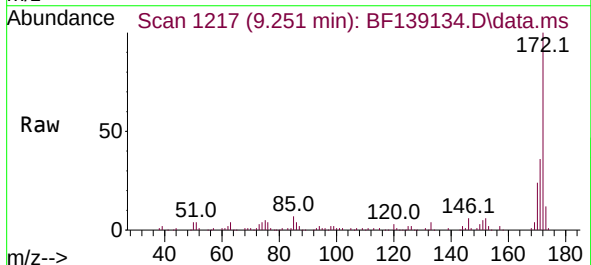
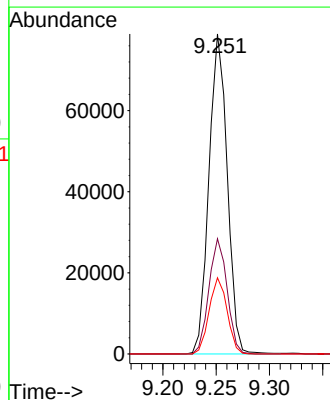
Tgt Ion:172 Resp: 94297

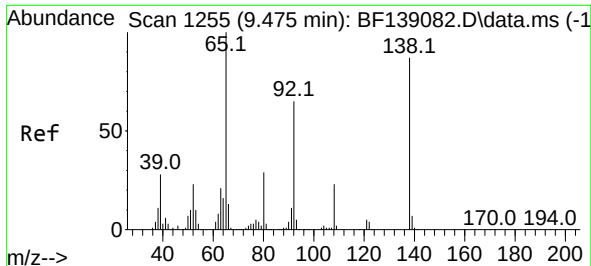
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.8 18.8 28.2

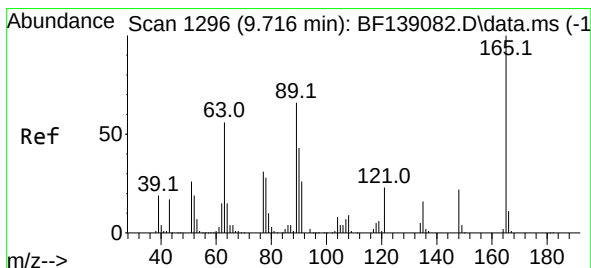
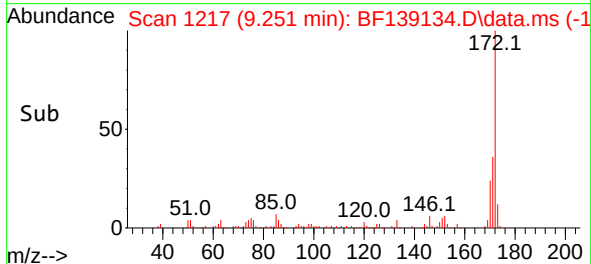
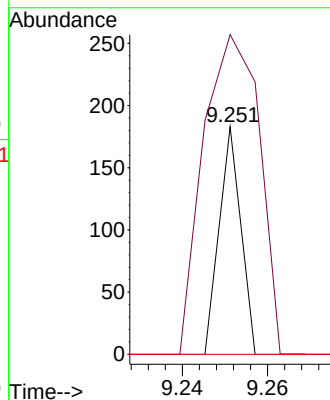
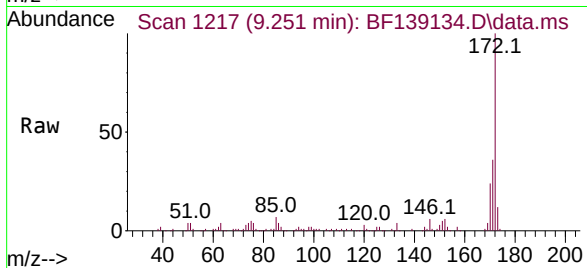




#48
2-Nitroaniline
Concen: 5.685 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

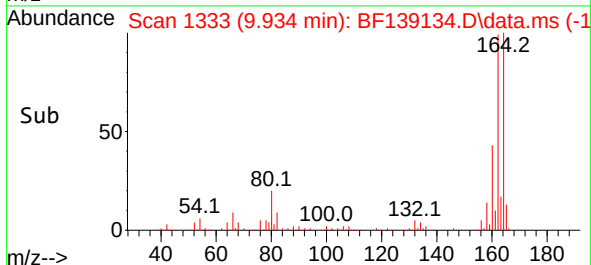
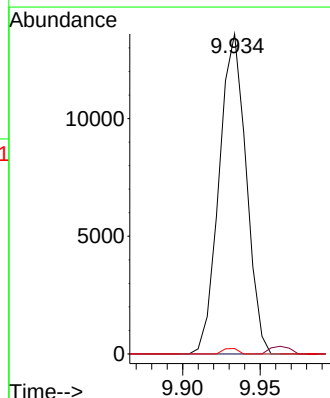
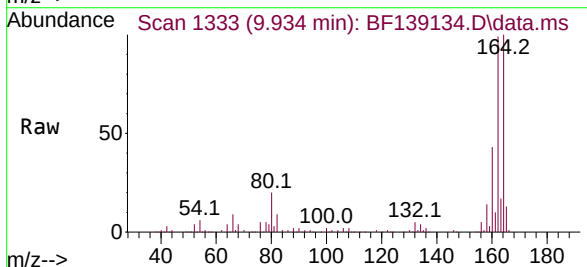
Instrument :
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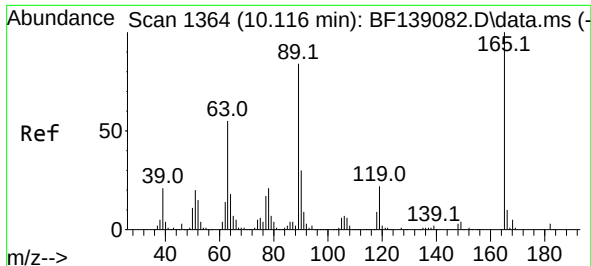
Tgt Ion: 65 Resp: 65
Ion Ratio Lower Upper
65 100
92 140.4 52.4 78.6#
138 0.0 69.4 104.0#



#51
2,6-Dinitrotoluene
Concen: 13.804 ng
RT: 9.934 min Scan# 1333
Delta R.T. 0.218 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion: 165 Resp: 16482
Ion Ratio Lower Upper
165 100
63 0.0 58.0 87.0#
89 1.7 53.3 79.9#

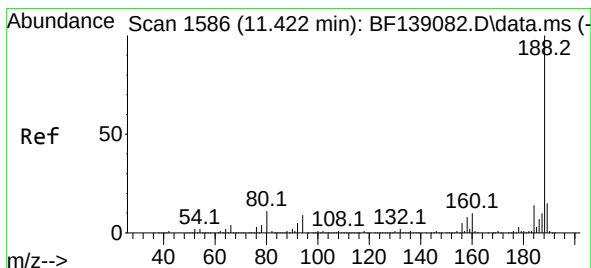
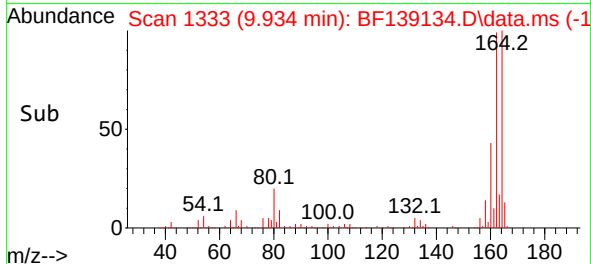
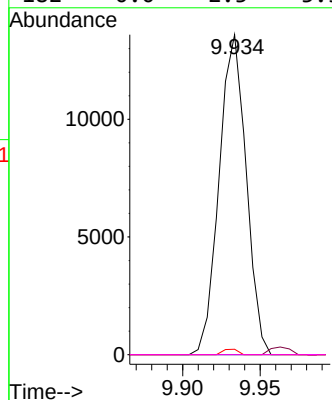
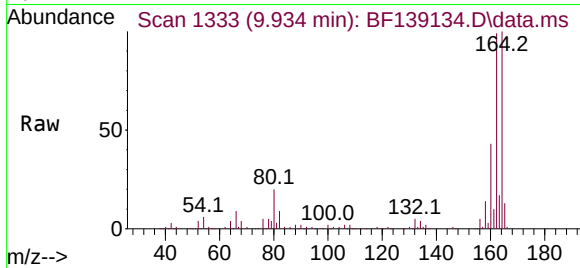




#57
2,4-Dinitrotoluene
Concen: 12.778 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

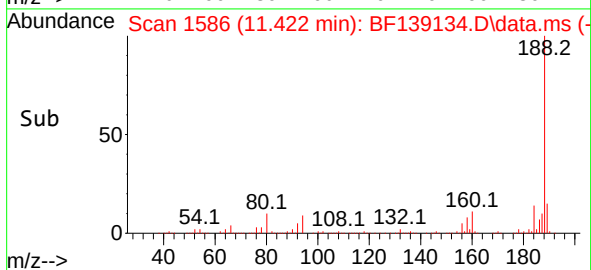
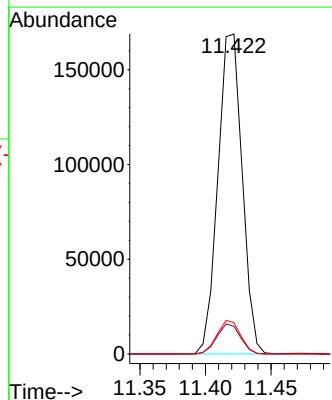
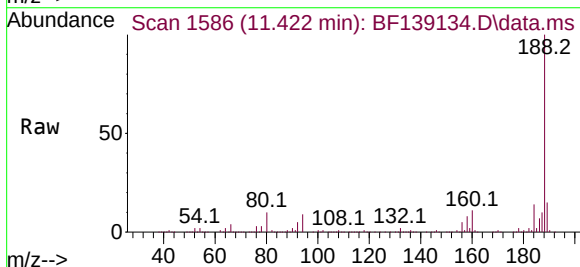
Instrument :
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S-910-K1-0-0.5-081524

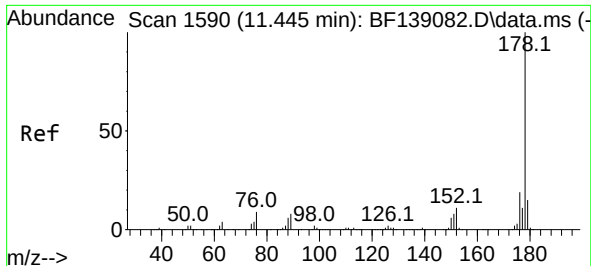
Tgt Ion:165	Resp:	16482
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.2 66.4#
89	1.7	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:188	Resp:	217183
Ion Ratio	Lower	Upper
188	100	
94	8.6	7.2 10.8
80	9.8	8.5 12.7

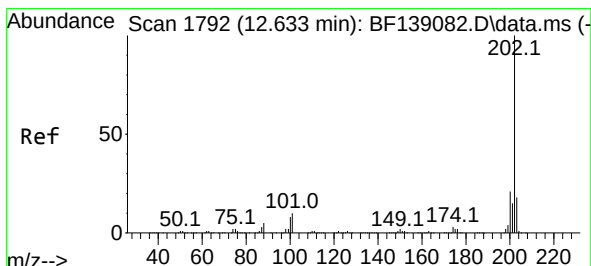
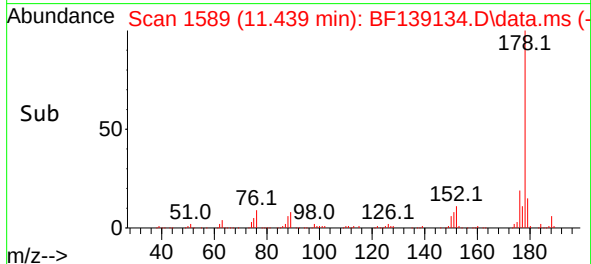
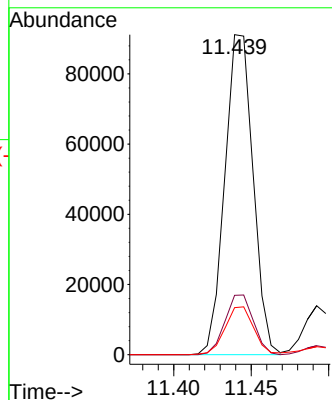
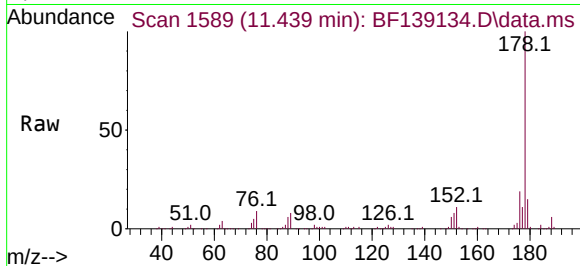




#71
Phenanthrene
Concen: 10.495 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

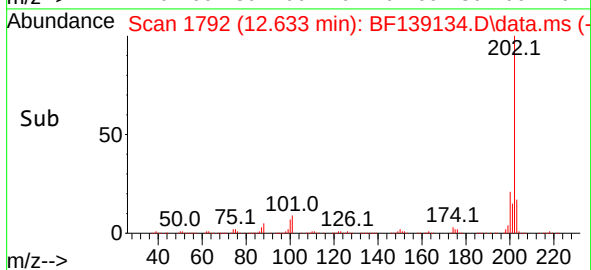
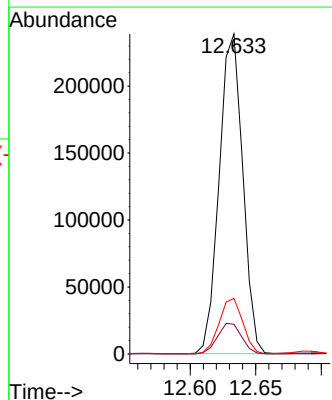
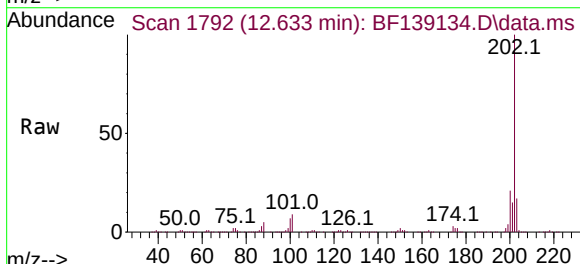
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

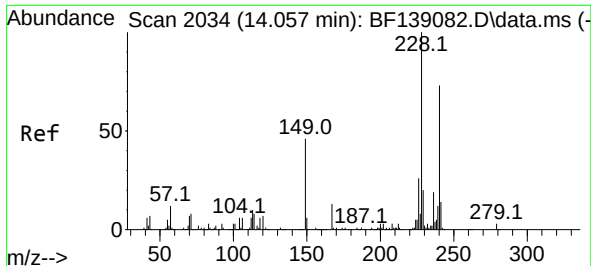
Tgt Ion:178 Resp: 115853
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.7 12.3 18.5



#75
Fluoranthene
Concen: 25.283 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:202 Resp: 297894
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.2
203 17.3 0.0 37.6

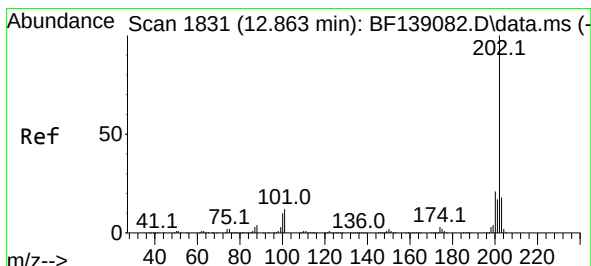
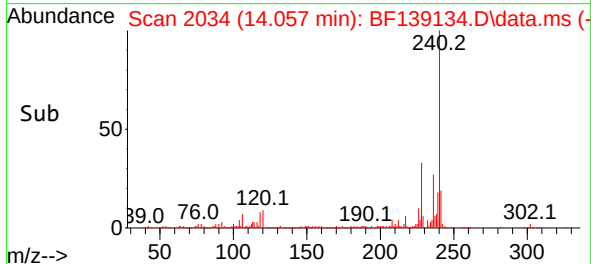
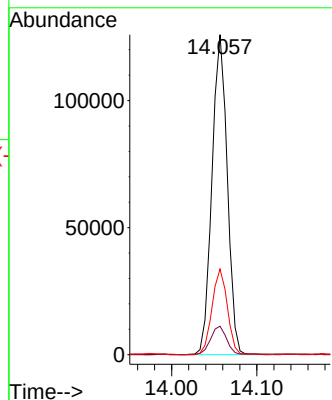
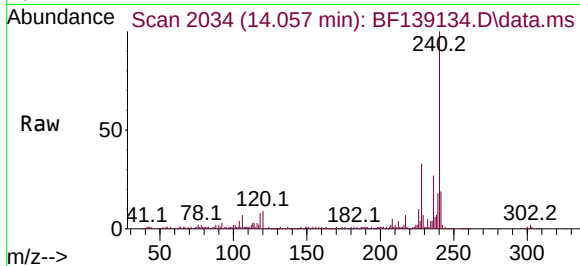




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

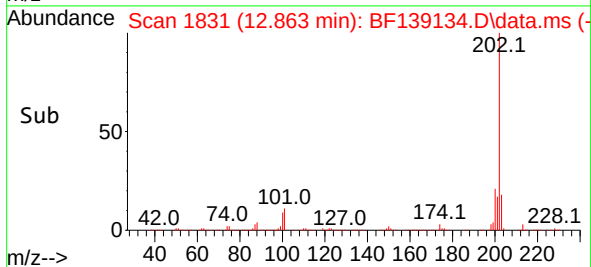
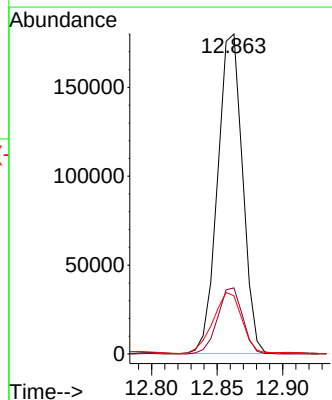
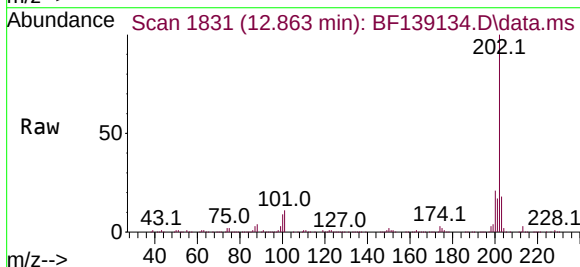
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

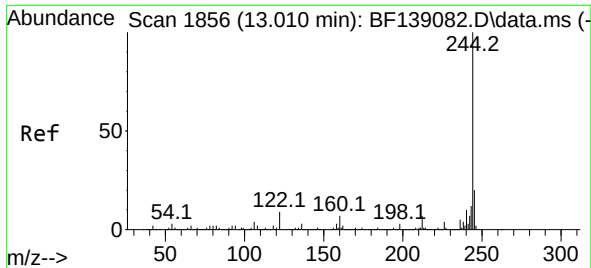
Tgt Ion:240 Resp: 157613
Ion Ratio Lower Upper
240 100
120 8.9 7.8 11.6
236 26.8 20.9 31.3



#78
Pyrene
Concen: 18.069 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:202 Resp: 237663
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 18.1 14.1 21.1

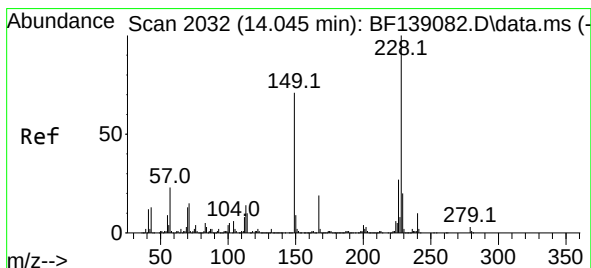
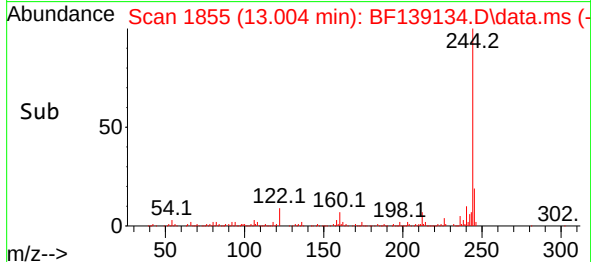
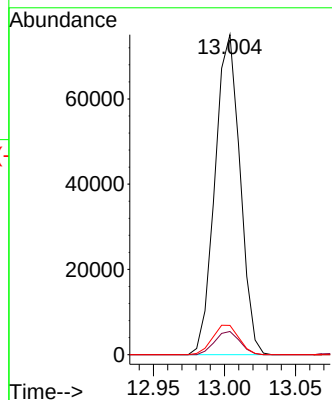
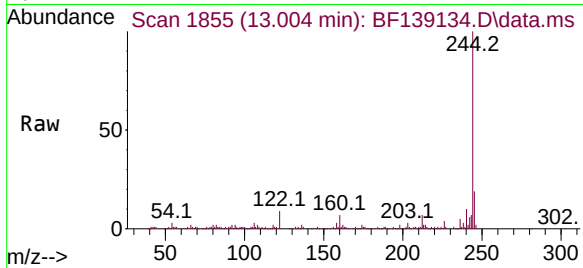




#79
Terphenyl-d14
Concen: 9.708 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

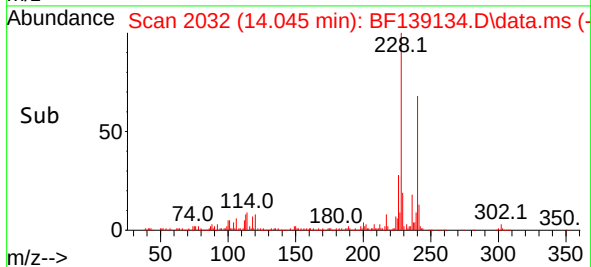
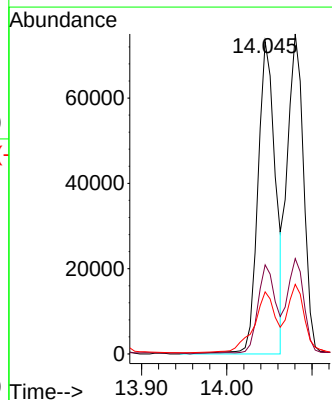
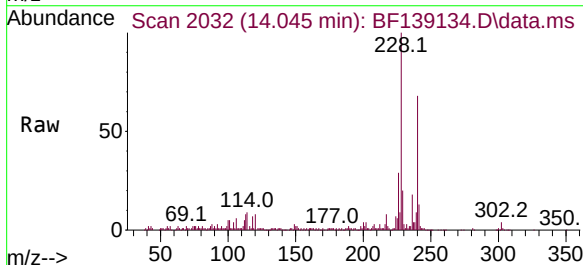
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

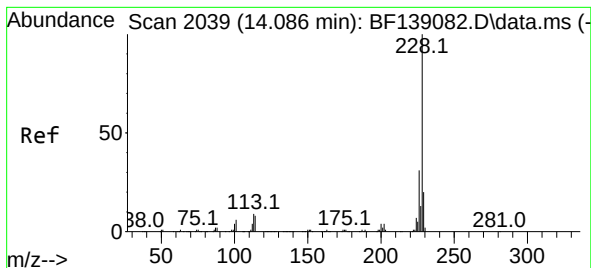
Tgt Ion:244 Resp: 92213
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.1 7.6 11.4



#81
Benzo(a)anthracene
Concen: 10.138 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:228 Resp: 105040
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 19.9 16.1 24.1





#83

Chrysene

Concen: 10.473 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

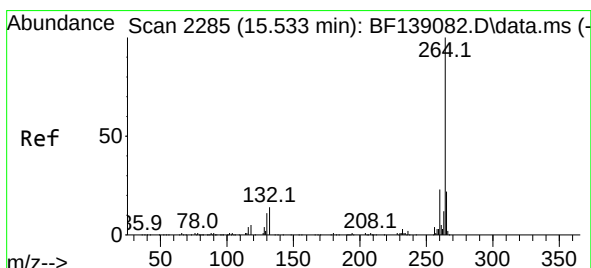
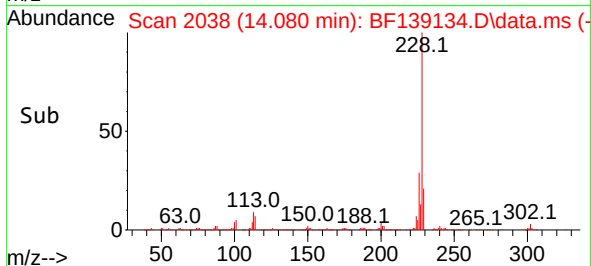
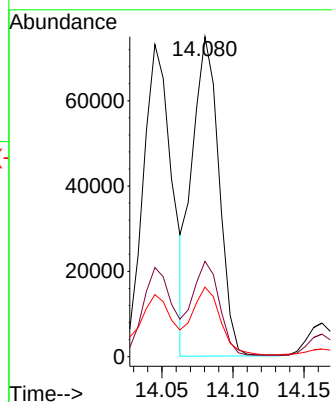
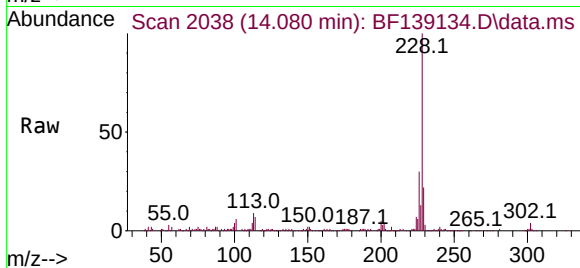
Tgt Ion:228 Resp: 98357

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.7 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: BF139134.D

Acq: 22 Aug 2024 20:50

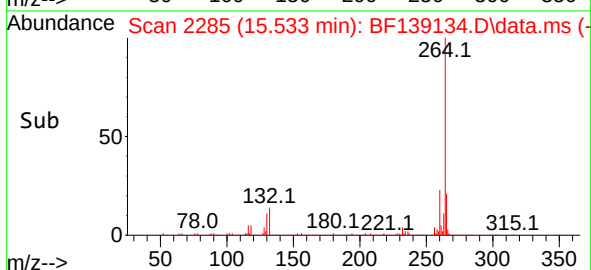
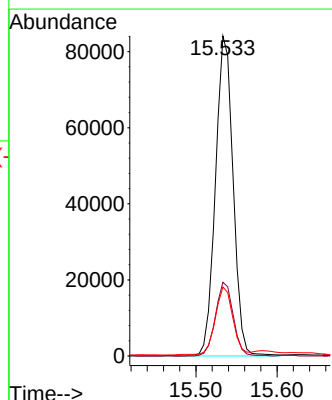
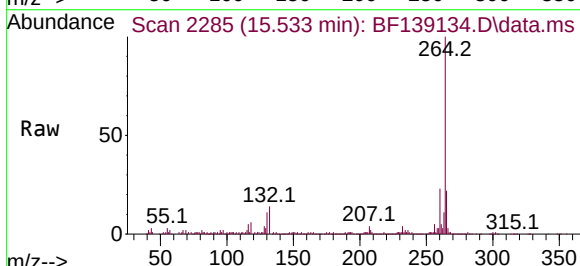
Tgt Ion:264 Resp: 127168

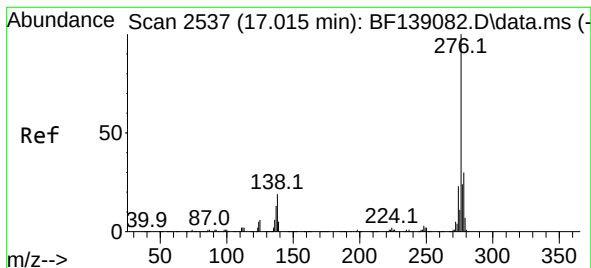
Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.504 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

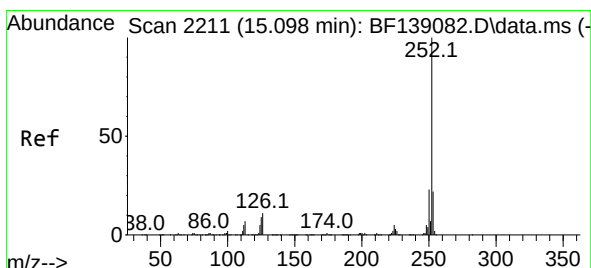
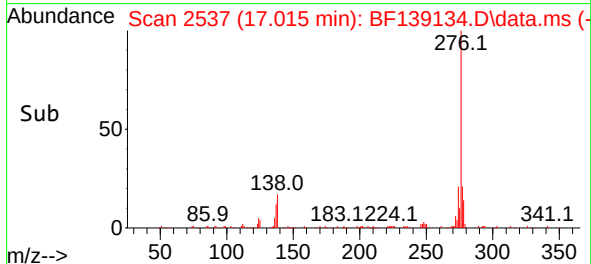
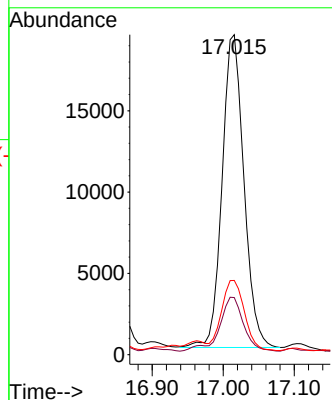
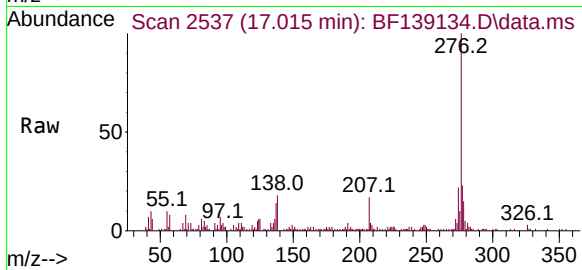
Tgt Ion:276 Resp: 40963

Ion Ratio Lower Upper

276 100

138 20.3 17.3 25.9

277 24.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 18.374 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

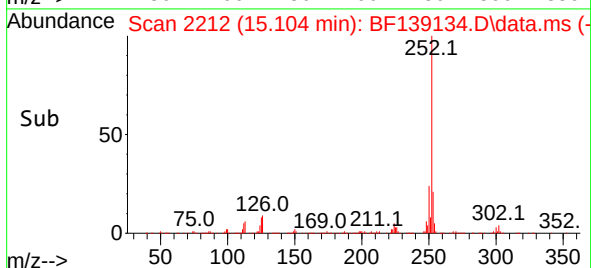
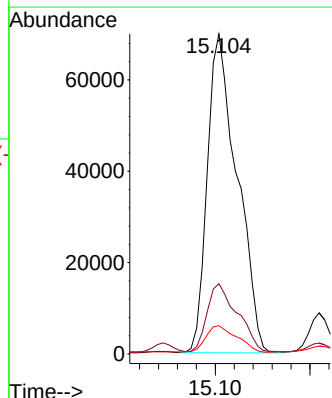
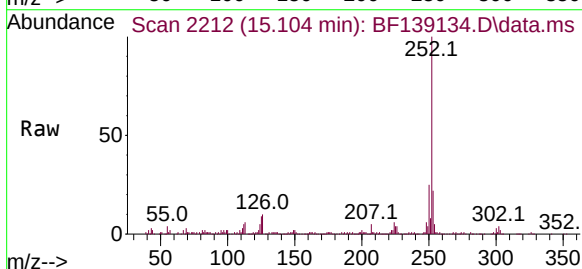
Tgt Ion:252 Resp: 152329

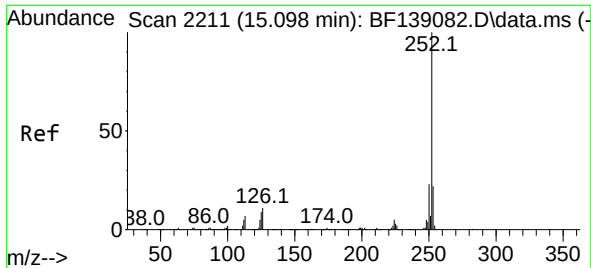
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 8.9 7.0 10.6

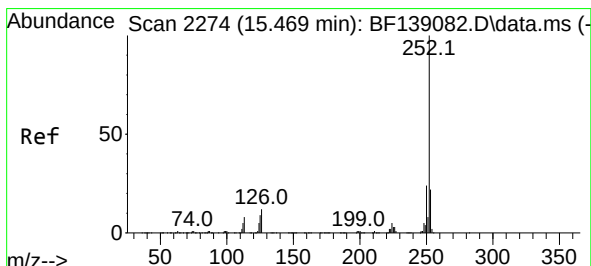
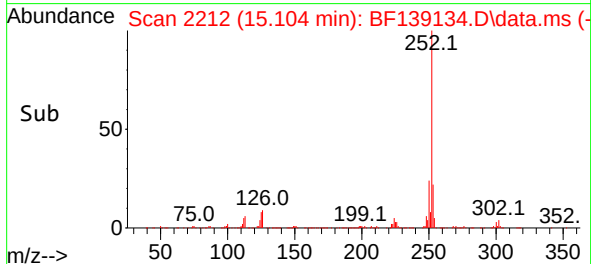
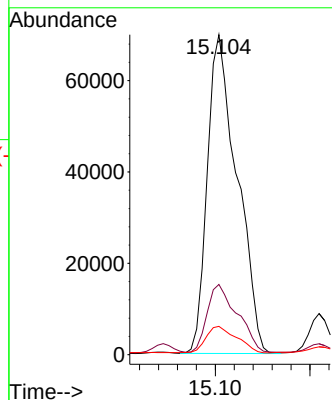
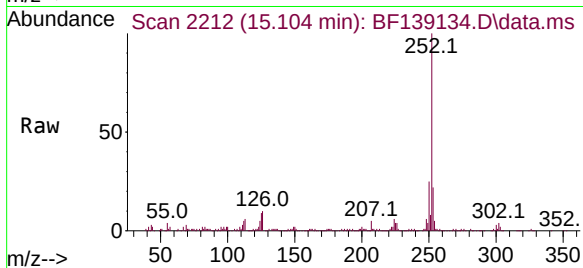




#89
Benzo(k)fluoranthene
Concen: 22.061 ng
RT: 15.104 min Scan# 211
Delta R.T. -0.030 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

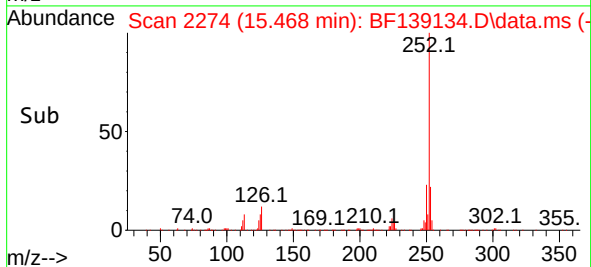
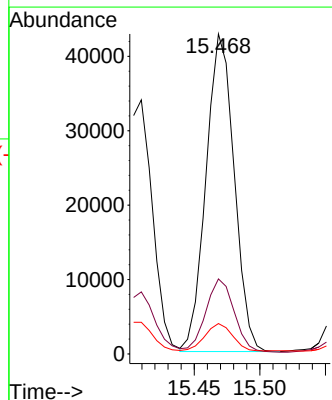
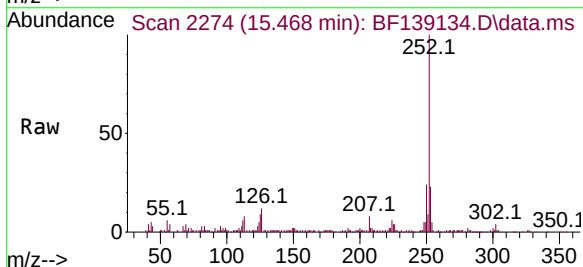
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

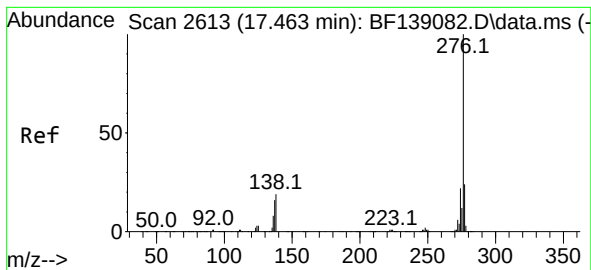
Tgt Ion:252 Resp: 152329
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 8.9 7.0 10.6



#90
Benzo(a)pyrene
Concen: 9.738 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:252 Resp: 63794
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 9.5 7.4 11.2





#92

Benzo(g,h,i)perylene

Concen: 7.948 ng

RT: 17.462 min Scan# 20

Delta R.T. -0.001 min

Lab File: BF139134.D

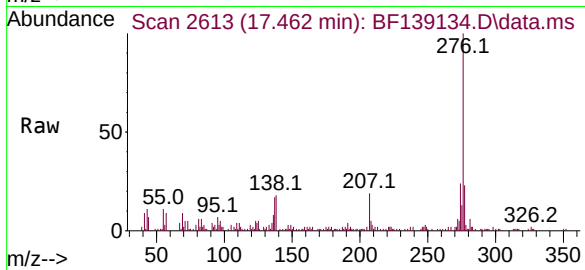
Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524



Tgt Ion:276 Resp: 38193

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 18.1 15.0 22.4

