

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139617.D
 Acq On : 02 Oct 2024 20:10
 Operator : RC/JU
 Sample : P4235-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT5376

Quant Time: Oct 03 01:53:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

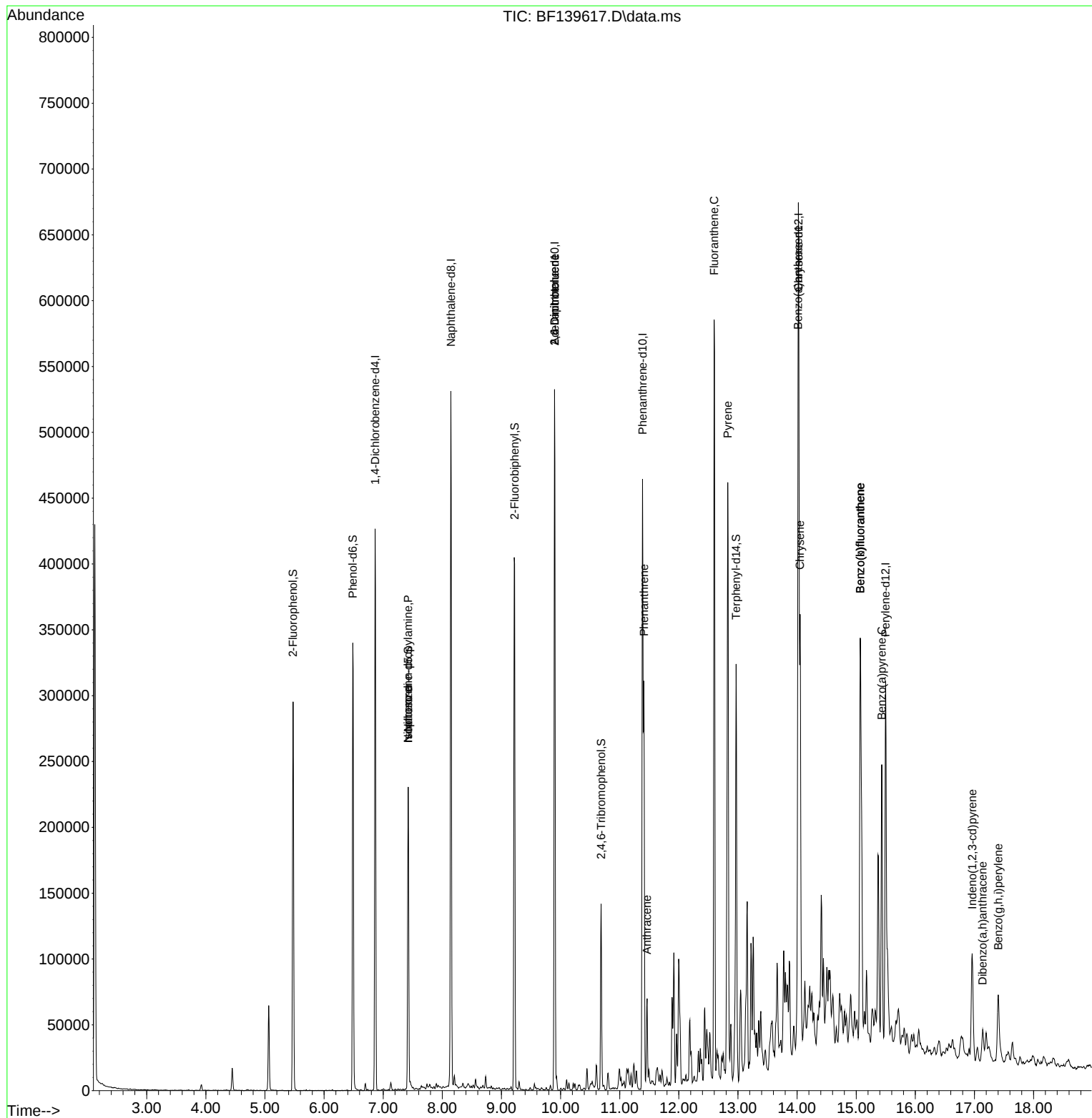
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	83651	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	305538	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153488	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	233606	20.000	ng	0.00
76) Chrysene-d12	14.027	240	163139	20.000	ng	0.00
86) Perylene-d12	15.498	264	151334	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	97177	20.135	ng	-0.01
7) Phenol-d6	6.487	99	145136	22.362	ng	-0.02
23) Nitrobenzene-d5	7.422	82	92321	15.298	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	18384	12.408	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	177315	17.735	ng	0.00
79) Terphenyl-d14	12.969	244	141711	14.253	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	12477	2.990	ng	# 80
25) Isophorone	7.422	82	91134	8.503	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	19433	8.562	ng	# 17
57) 2,4-Dinitrotoluene	9.898	165	19433	6.550	ng	# 17
71) Phenanthrene	11.410	178	155346	14.104	ng	100
72) Anthracene	11.463	178	38102	3.497	ng	99
75) Fluoranthene	12.598	202	325205	27.009	ng	100
78) Pyrene	12.827	202	260983	17.887	ng	98
81) Benzo(a)anthracene	14.016	228	210104	19.589	ng	99
83) Chrysene	14.051	228	165764	16.904	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	53304	5.984	ng	95
88) Benzo(b)fluoranthene	15.068	252	266446	27.230	ng	97
89) Benzo(k)fluoranthene	15.068	252	266446	32.101	ng	98
90) Benzo(a)pyrene	15.433	252	123713	16.034	ng	100
91) Dibenzo(a,h)anthracene	17.139	278	14801	2.003	ng	94
92) Benzo(g,h,i)perylene	17.404	276	45503	6.141	ng	99

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

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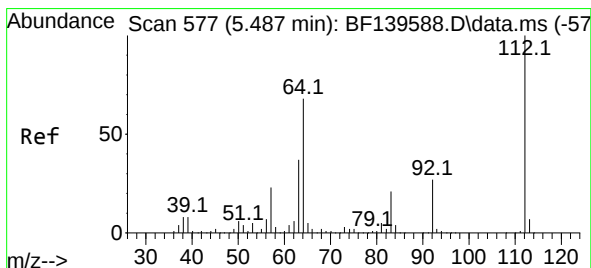
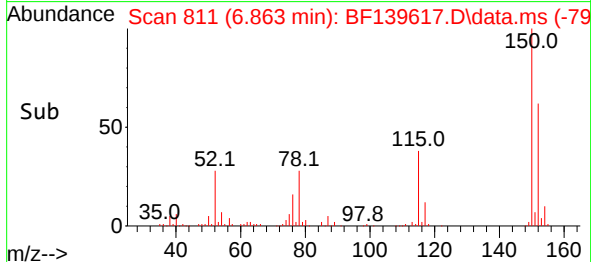
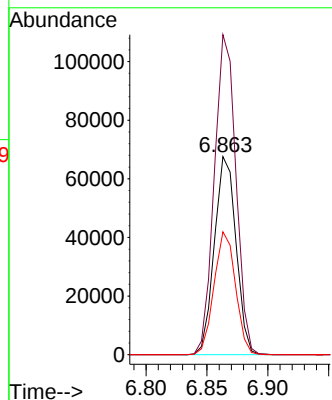
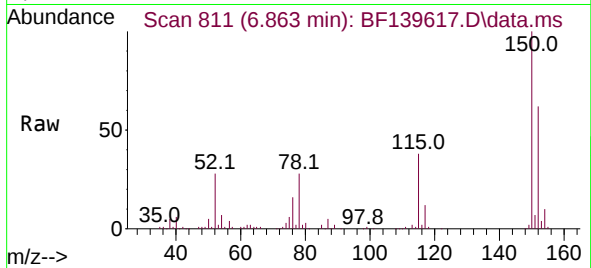




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

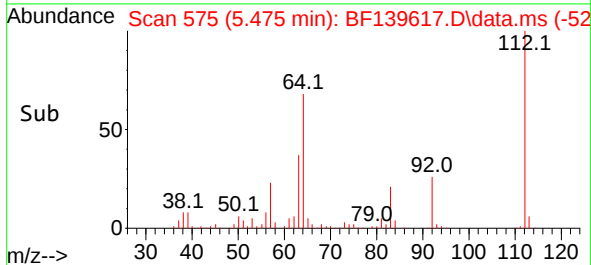
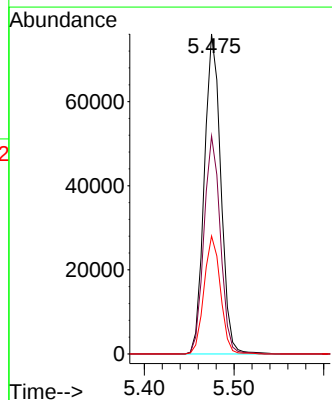
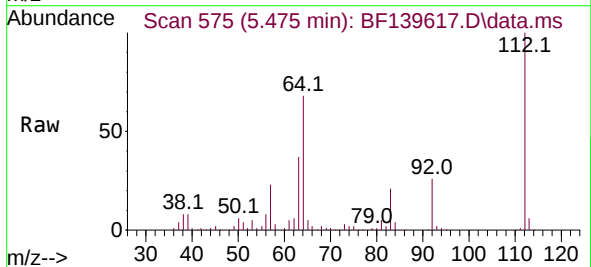
Instrument :
BNA_F
ClientSampleId :
RT5376

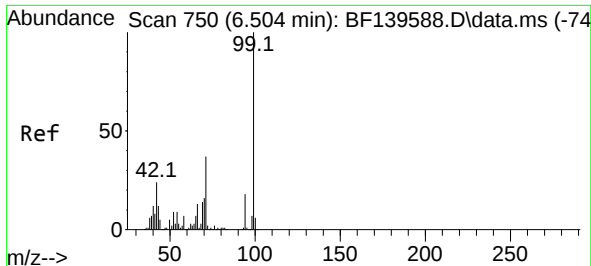
Tgt Ion:152 Resp: 83651
Ion Ratio Lower Upper
152 100
150 161.5 127.2 190.8
115 62.1 49.0 73.4



#5
2-Fluorophenol
Concen: 20.135 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion:112 Resp: 97177
Ion Ratio Lower Upper
112 100
64 68.1 54.2 81.4
63 36.9 29.4 44.2

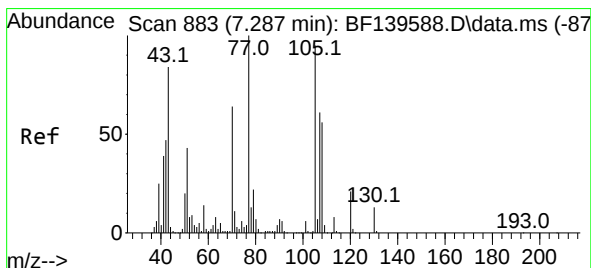
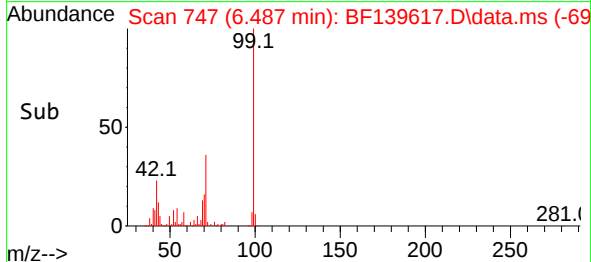
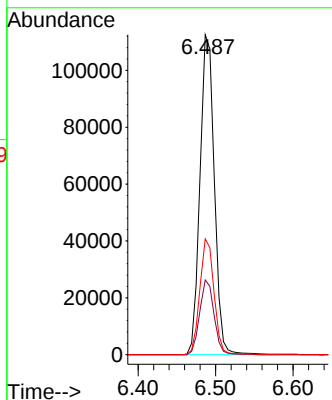
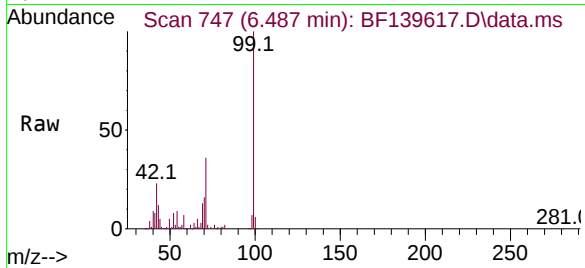




#7
Phenol-d6
Concen: 22.362 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

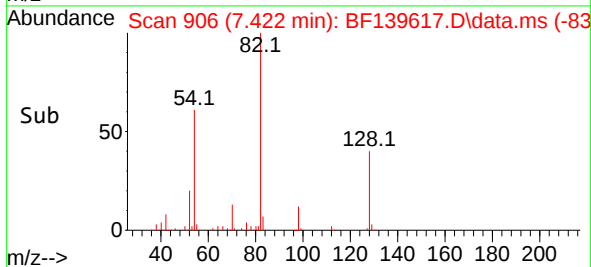
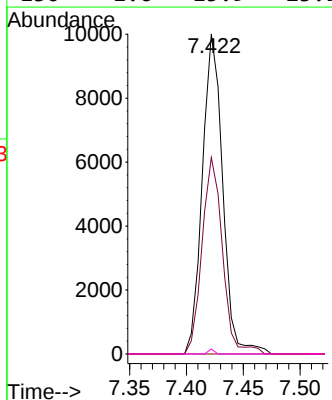
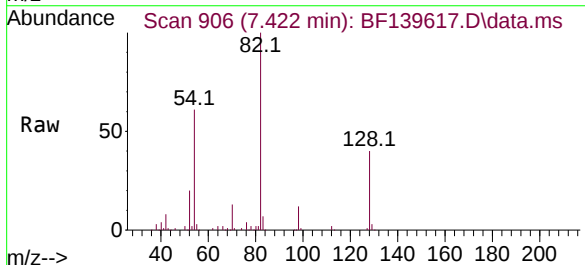
Instrument :
BNA_F
ClientSampleId :
RT5376

Tgt Ion: 99 Resp: 145136
Ion Ratio Lower Upper
99 100
42 23.3 19.1 28.7
71 36.2 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.990 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion: 70 Resp: 12477
Ion Ratio Lower Upper
70 100
42 61.4 58.0 87.0
101 0.0 7.8 11.8#
130 1.6 15.9 23.9#



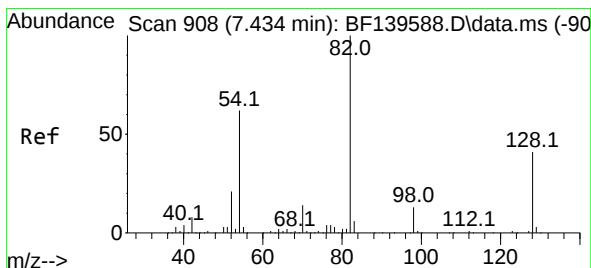
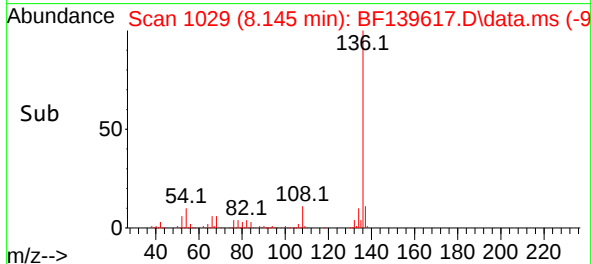
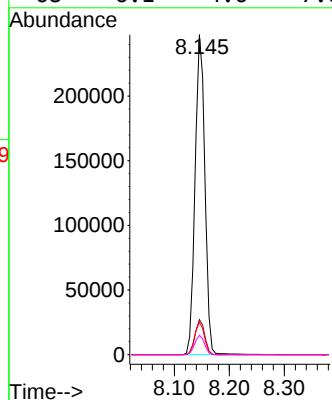
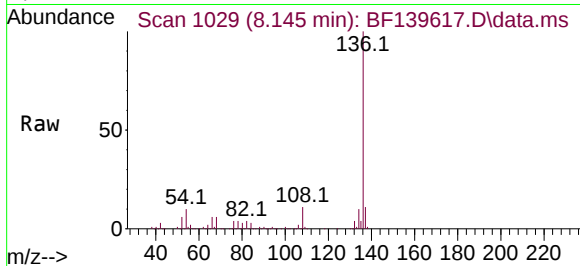


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Instrument :
BNA_F
ClientSampleId :
RT5376

Tgt Ion:136 Resp: 305538

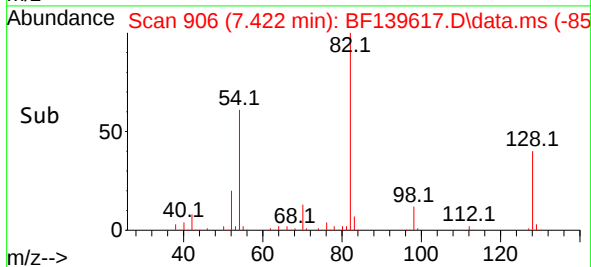
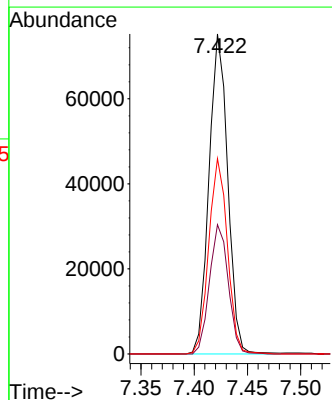
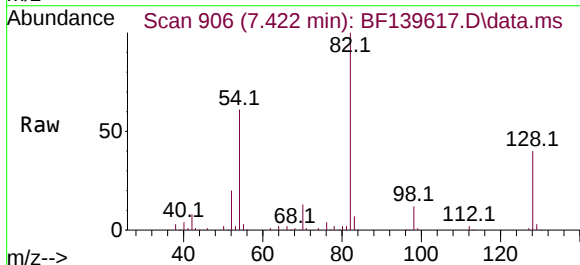
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.3	12.5
68	6.1	4.6	7.0

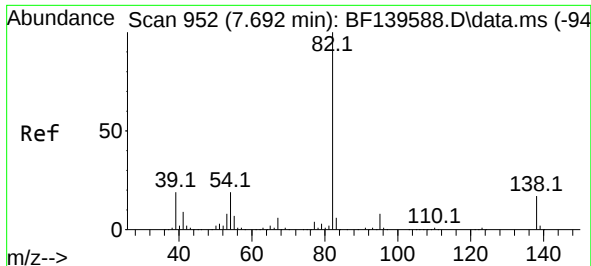


#23
Nitrobenzene-d5
Concen: 15.298 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion: 82 Resp: 92321

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.4	48.6
54	61.0	49.1	73.7

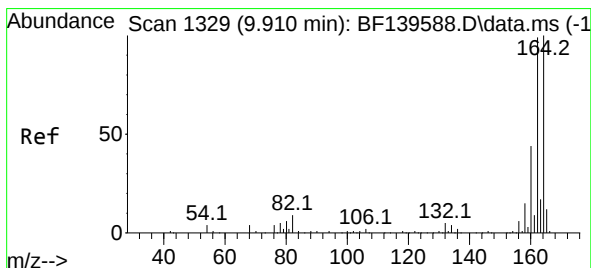
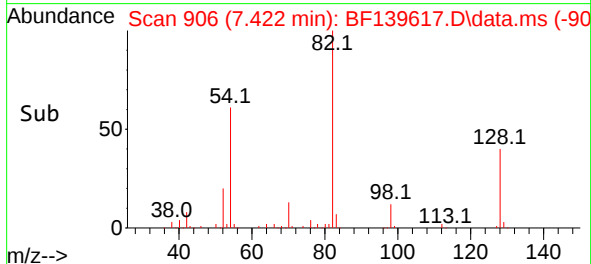
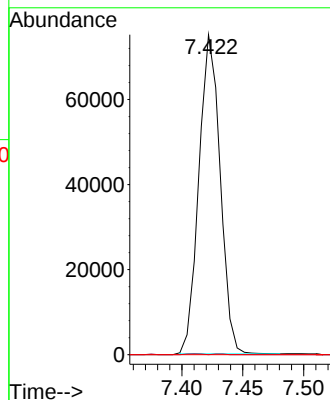
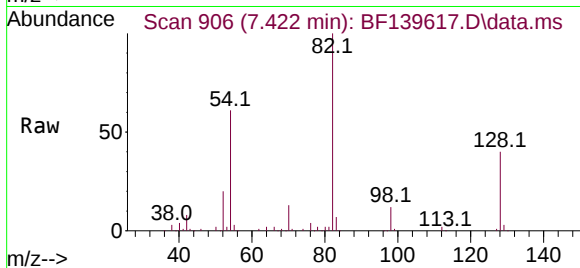




#25
Isophorone
Concen: 8.503 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

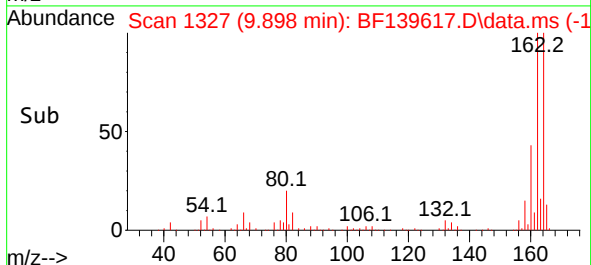
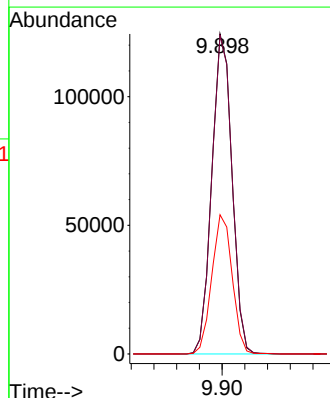
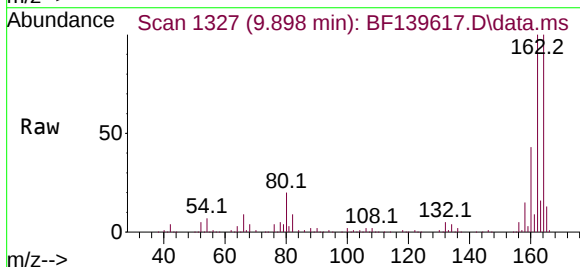
Instrument :
BNA_F
ClientSampleId :
RT5376

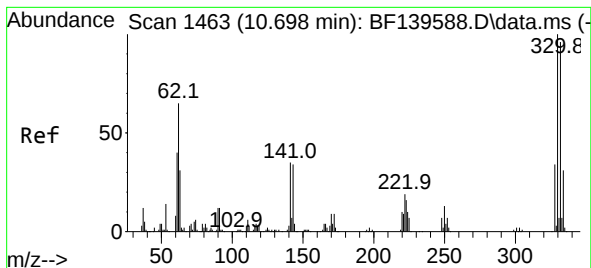
Tgt Ion: 82 Resp: 91134
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion:164 Resp: 153488
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 43.5 35.1 52.7

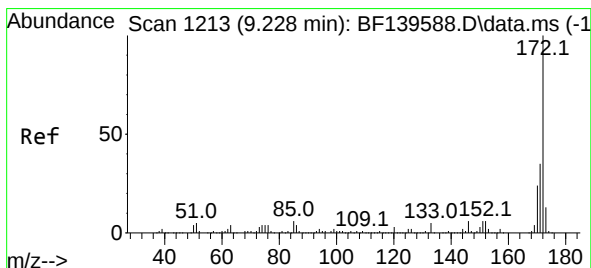
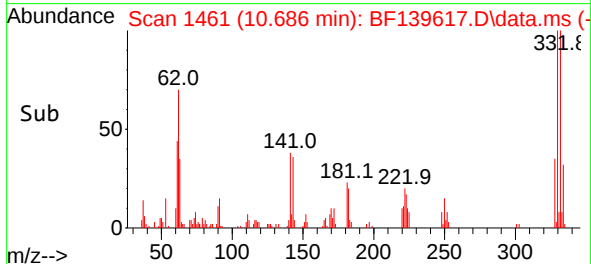
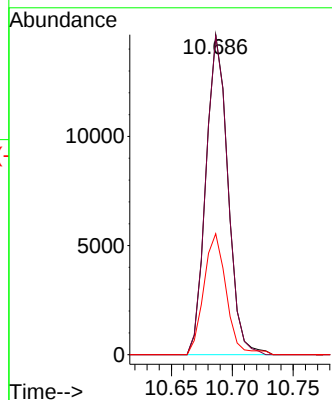
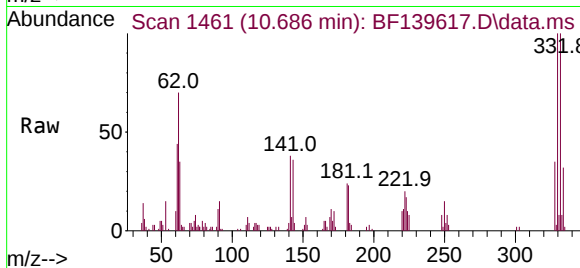




#42
2,4,6-Tribromophenol
Concen: 12.408 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

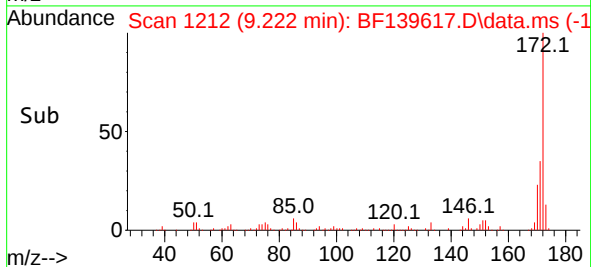
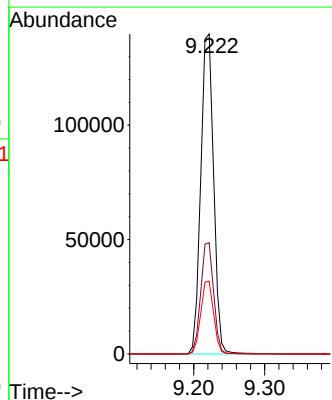
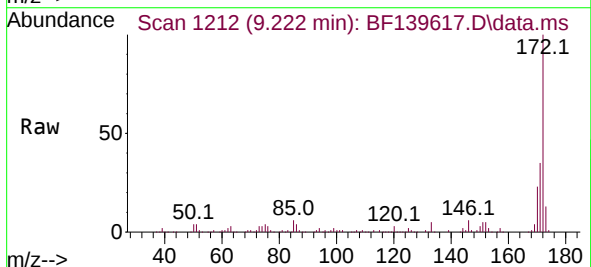
Instrument :
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Tgt Ion: 330 Resp: 18384
Ion Ratio Lower Upper
330 100
332 99.4 76.5 114.7
141 38.6 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 17.735 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion: 172 Resp: 177315
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 22.7 18.8 28.2

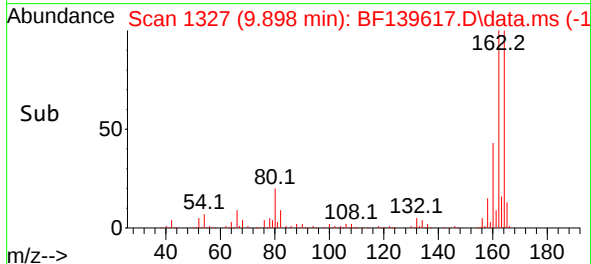
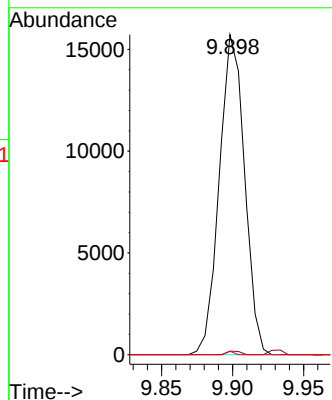
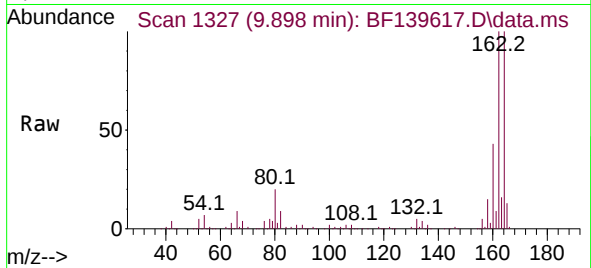




#51
2,6-Dinitrotoluene
Concen: 8.562 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

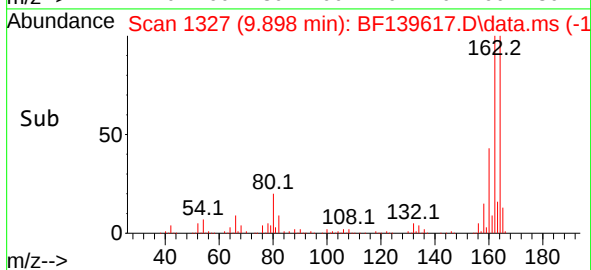
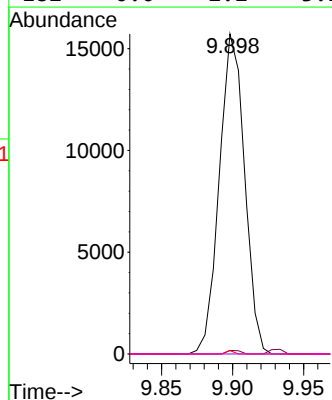
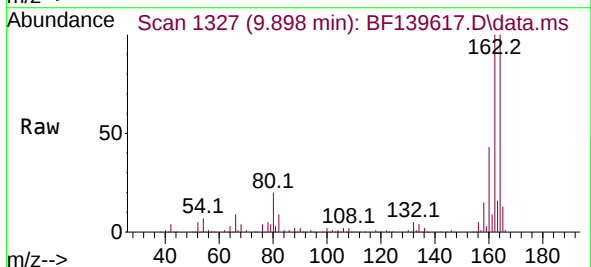
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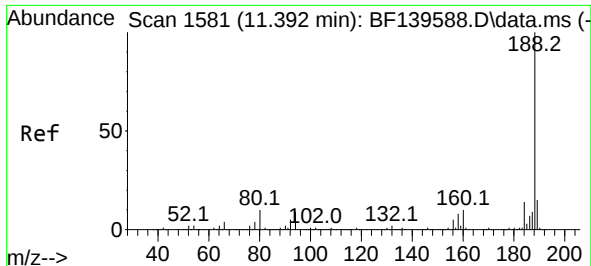
Tgt Ion:165 Resp: 19433
Ion Ratio Lower Upper
165 100
63 1.1 56.7 85.1#
89 1.1 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.550 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion:165 Resp: 19433
Ion Ratio Lower Upper
165 100
63 1.1 46.9 70.3#
89 1.1 64.4 96.6#
182 0.0 2.2 3.2#

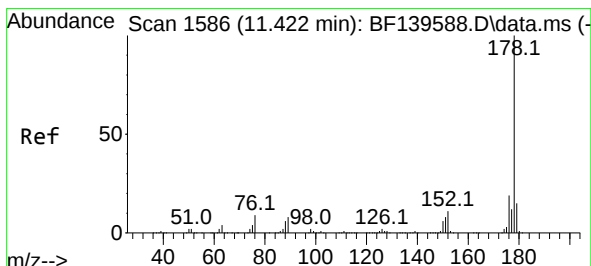
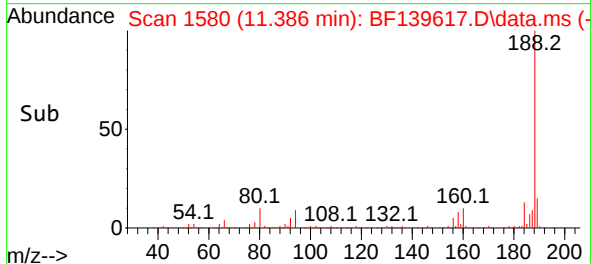
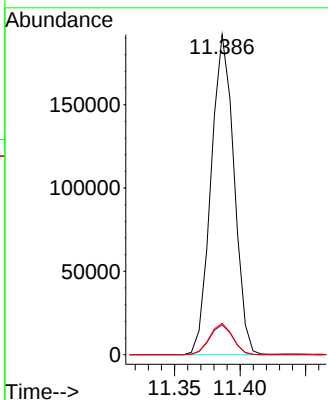
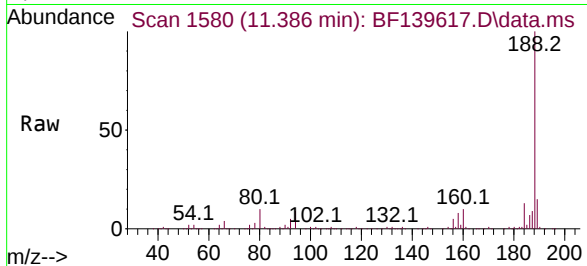




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

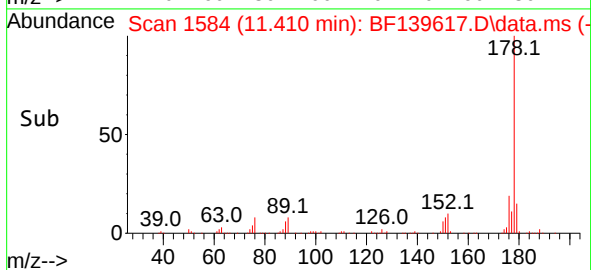
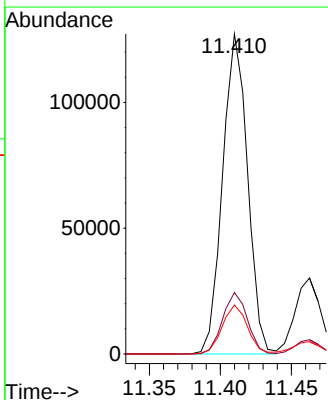
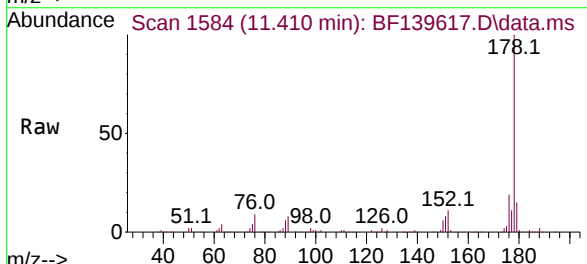
Instrument :
BNA_F
ClientSampleId :
RT5376

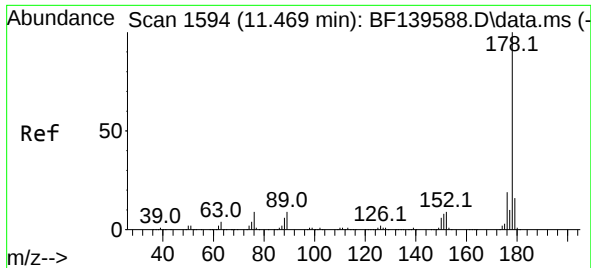
Tgt Ion:188 Resp: 233606
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.8 8.2 12.2



#71
Phenanthrene
Concen: 14.104 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion:178 Resp: 155346
Ion Ratio Lower Upper
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176 19.2 15.5 23.3
179 15.3 12.3 18.5

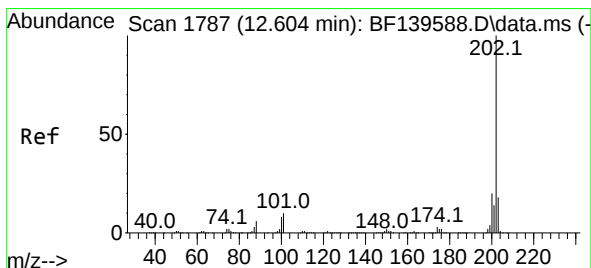
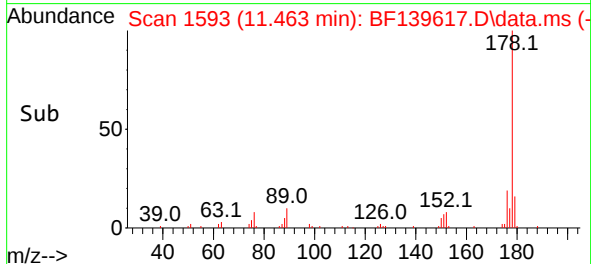
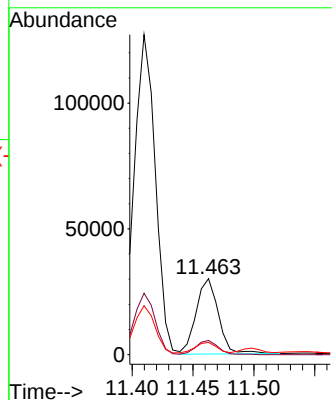
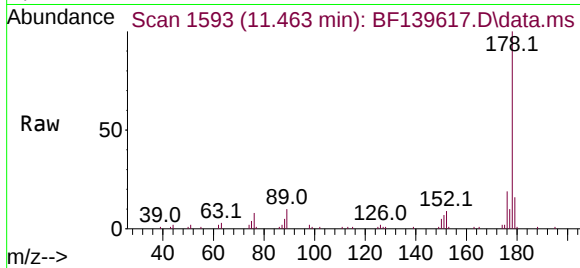




#72
 Anthracene
 Concen: 3.497 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139617.D
 Acq: 02 Oct 2024 20:10

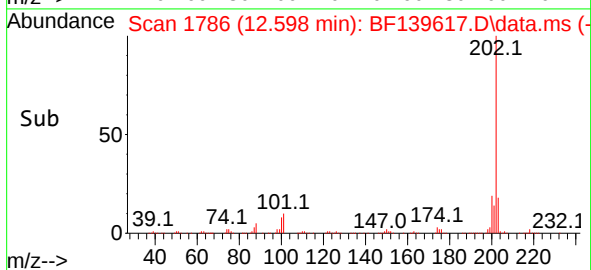
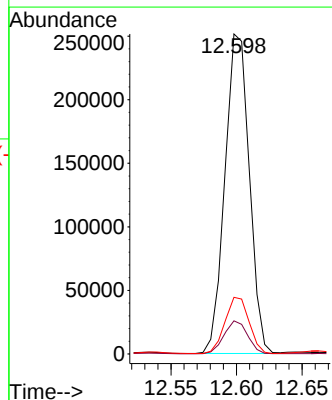
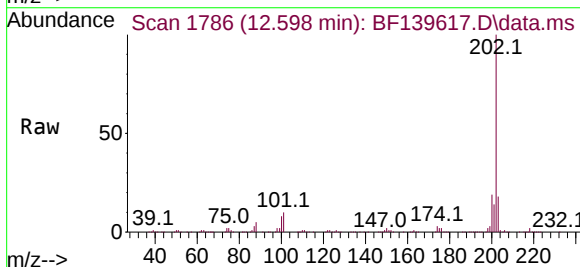
Instrument :
 BNA_F
 ClientSampleId :
 RT5376

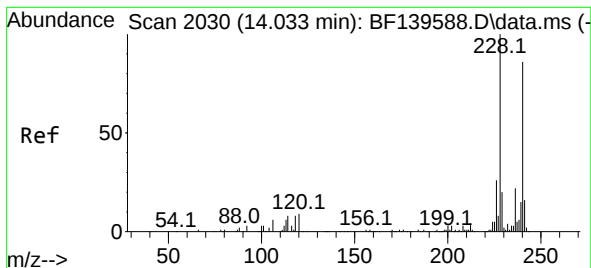
Tgt Ion:178 Resp: 38102
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 16.2 12.5 18.7



#75
 Fluoranthene
 Concen: 27.009 ng
 RT: 12.598 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF139617.D
 Acq: 02 Oct 2024 20:10

Tgt Ion:202 Resp: 325205
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.2
 203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

Instrument :

BNA_F

ClientSampleId :

RT5376

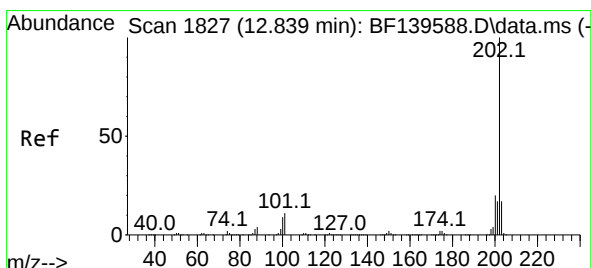
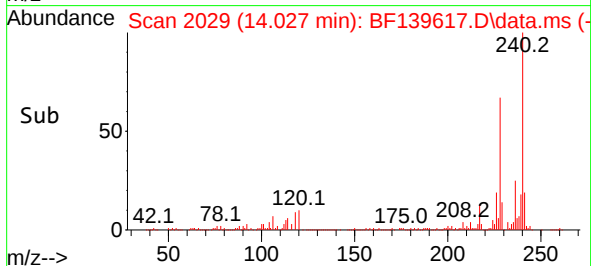
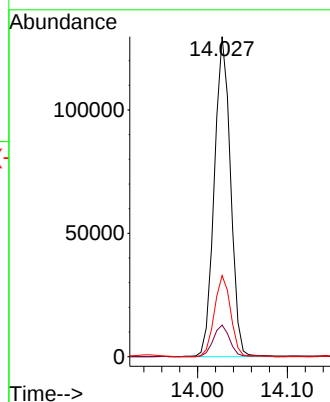
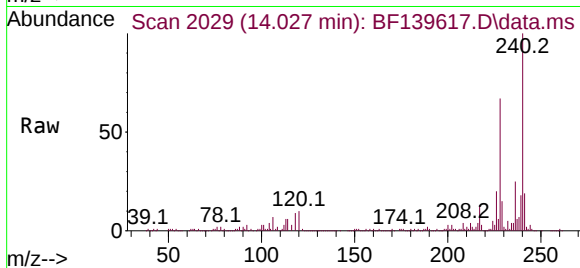
Tgt Ion:240 Resp: 163139

Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

236 25.4 20.3 30.5



#78

Pyrene

Concen: 17.887 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

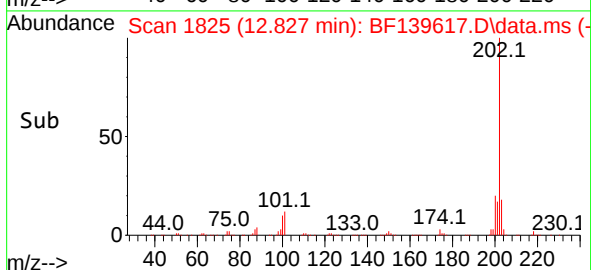
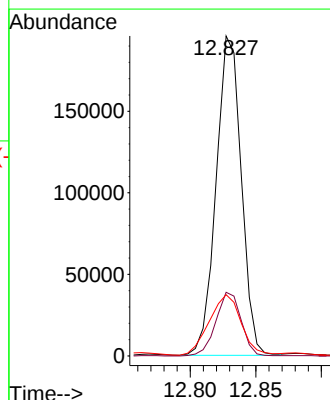
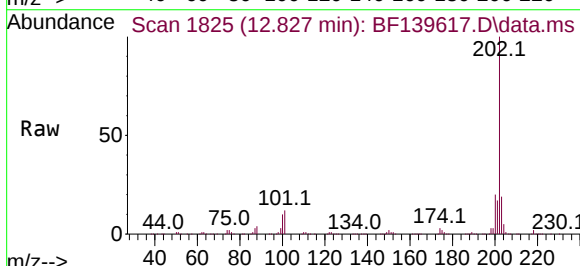
Tgt Ion:202 Resp: 260983

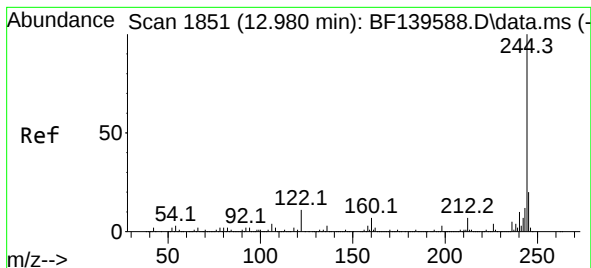
Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.6

203 19.1 13.8 20.8





#79

Terphenyl-d14

Concen: 14.253 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.011 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

Instrument :

BNA_F

ClientSampleId :

RT5376

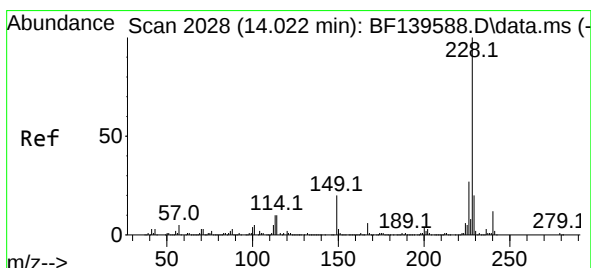
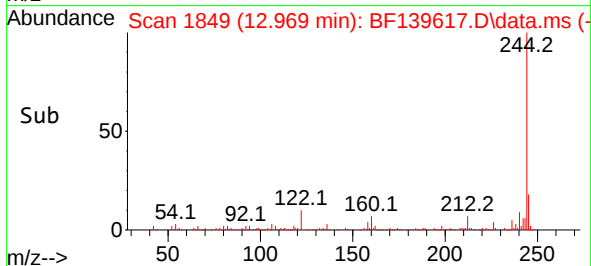
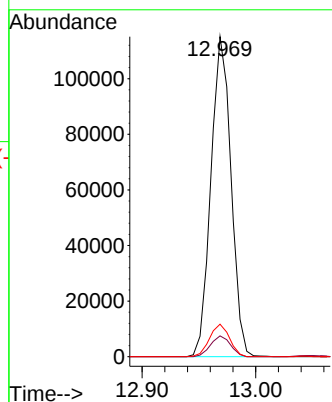
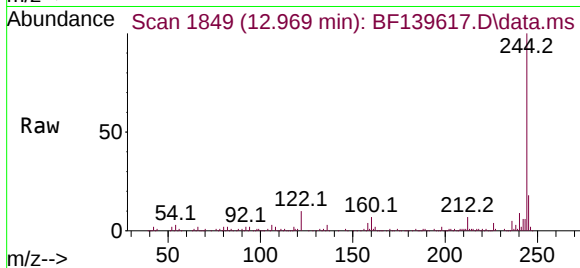
Tgt Ion:244 Resp: 141711

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

122 10.1 8.6 12.8



#81

Benzo(a)anthracene

Concen: 19.589 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

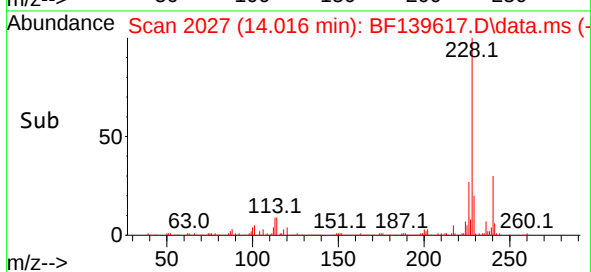
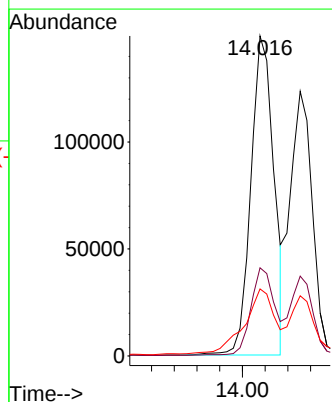
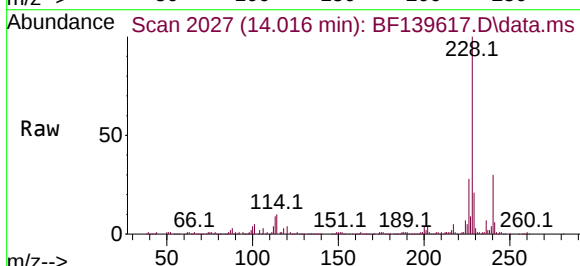
Tgt Ion:228 Resp: 210104

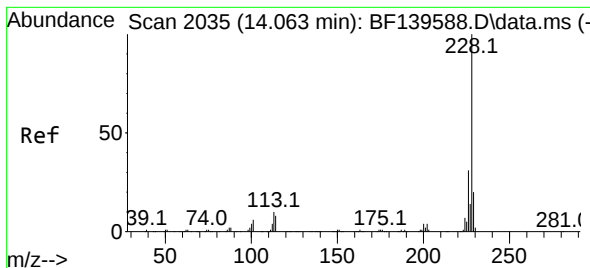
Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.9 15.8 23.8





#83

Chrysene

Concen: 16.904 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

Instrument :

BNA_F

ClientSampleId :

RT5376

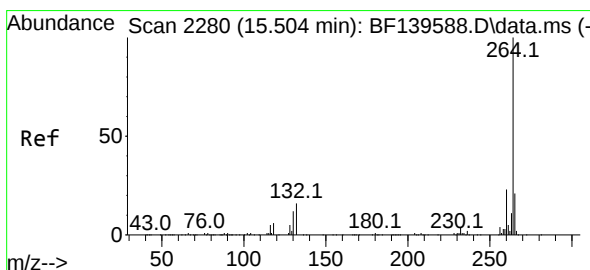
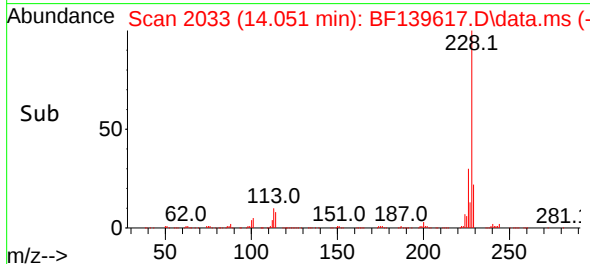
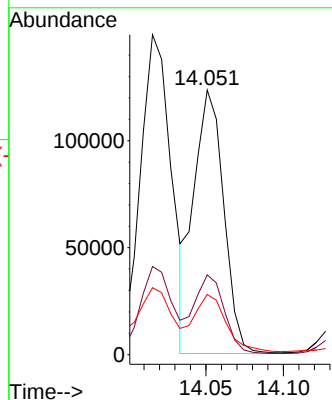
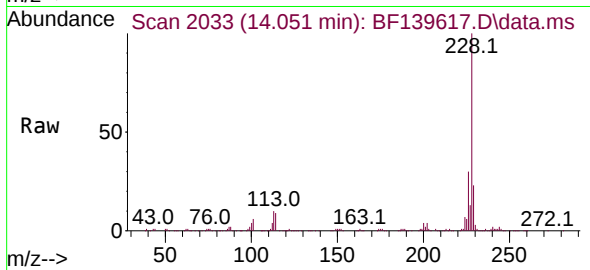
Tgt Ion:228 Resp: 165764

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 22.8 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

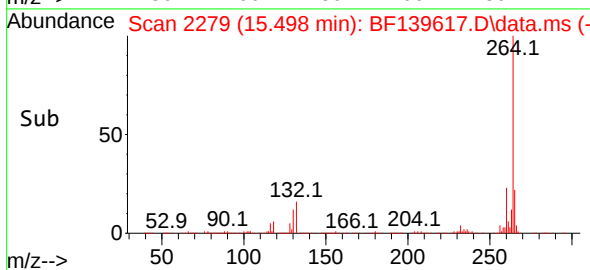
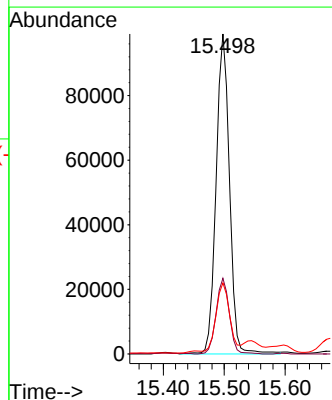
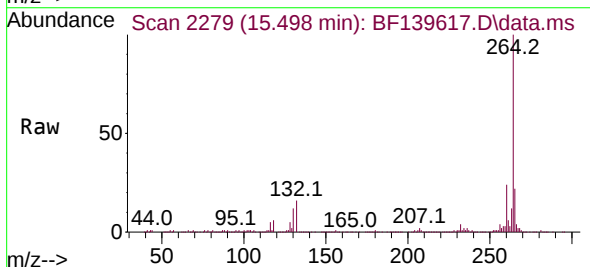
Tgt Ion:264 Resp: 151334

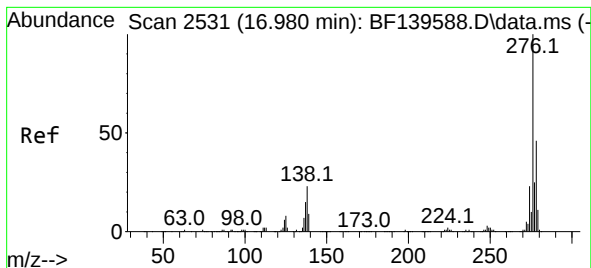
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.2 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.984 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

Instrument :

BNA_F

ClientSampleId :

RT5376

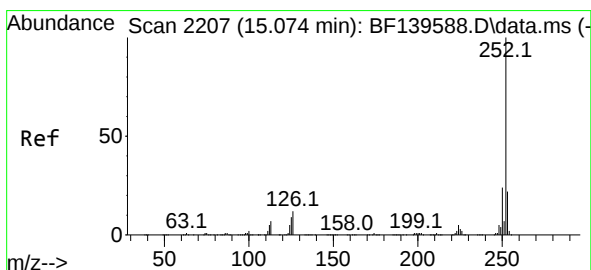
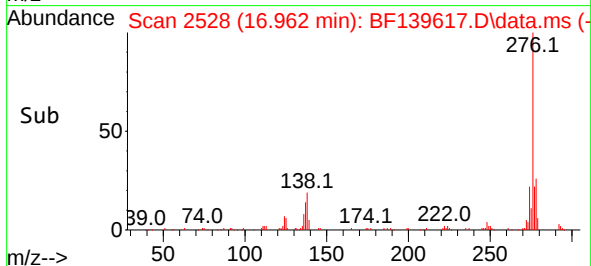
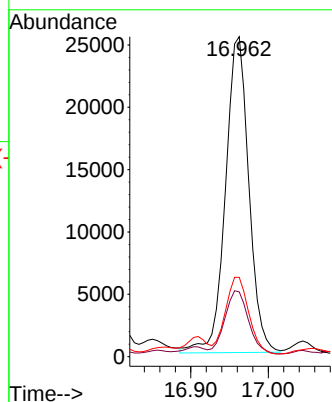
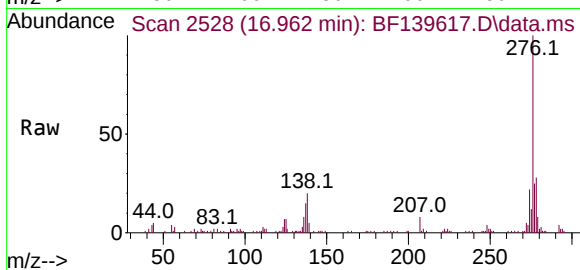
Tgt Ion:276 Resp: 53304

Ion Ratio Lower Upper

276 100

138 20.1 19.4 29.0

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 27.230 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

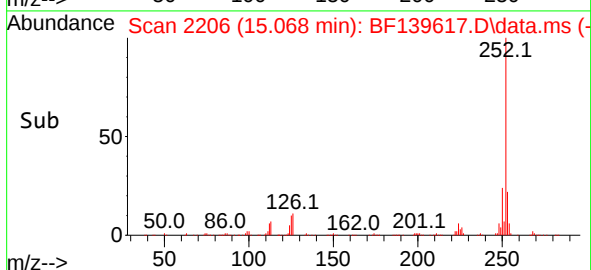
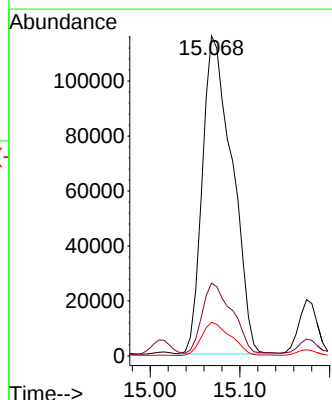
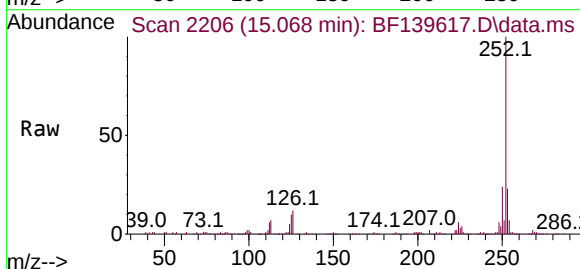
Tgt Ion:252 Resp: 266446

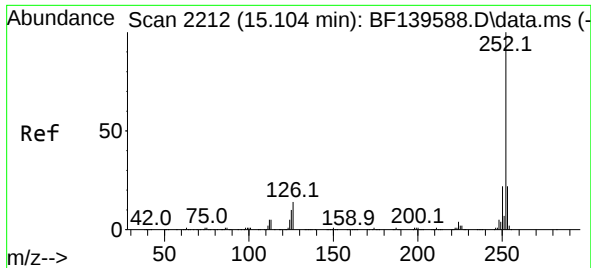
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.5 7.4 11.0

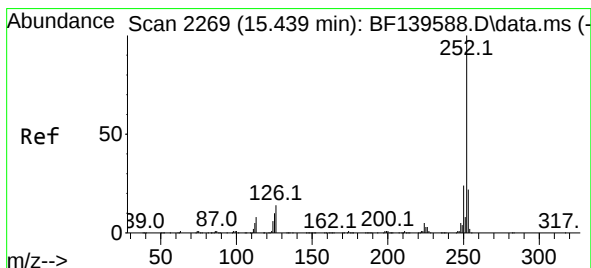
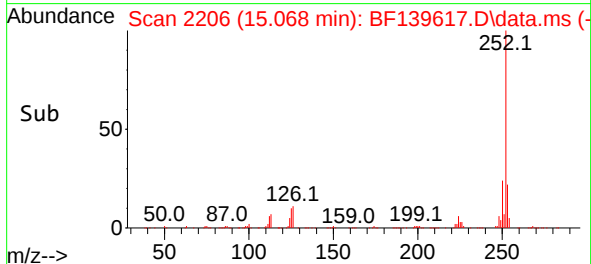
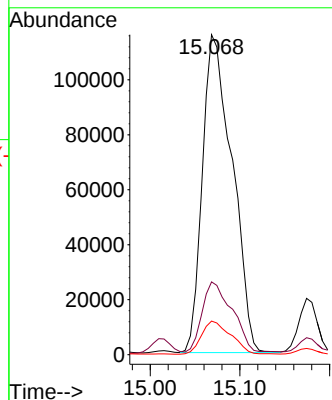
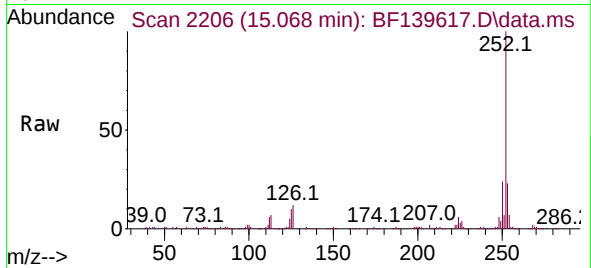




#89
Benzo(k)fluoranthene
Concen: 32.101 ng
RT: 15.068 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

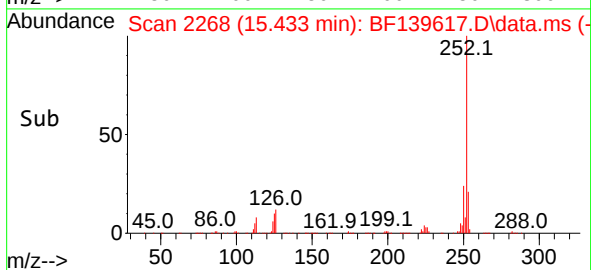
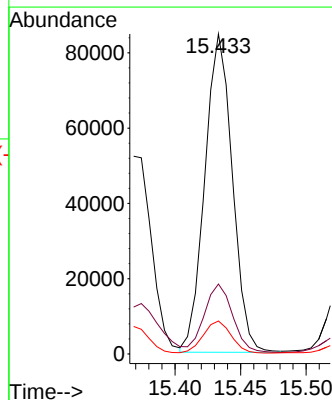
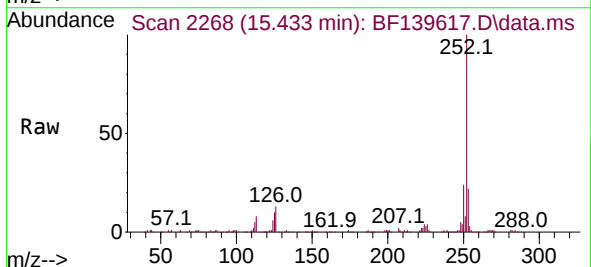
Instrument :
BNA_F
ClientSampleId :
RT5376

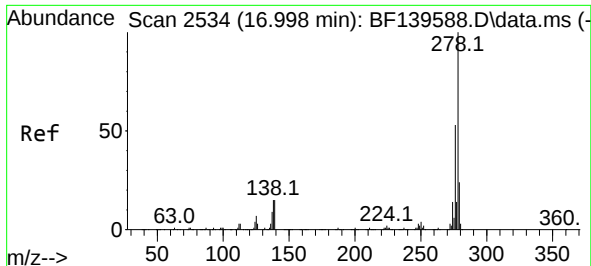
Tgt Ion:252 Resp: 266446
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.5 7.6 11.4



#90
Benzo(a)pyrene
Concen: 16.034 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion:252 Resp: 123713
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.3 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 2.003 ng

RT: 17.139 min Scan# 21

Delta R.T. 0.141 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

Instrument :

BNA_F

ClientSampleId :

RT5376

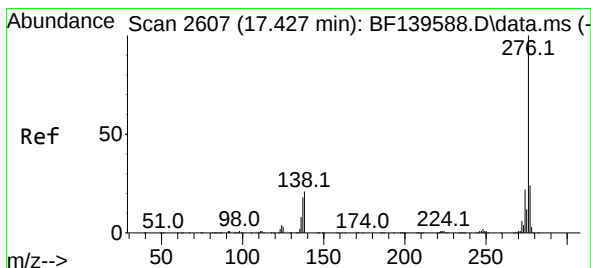
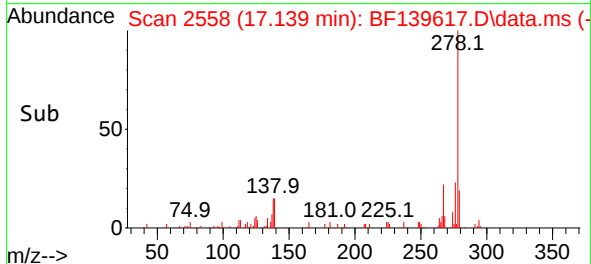
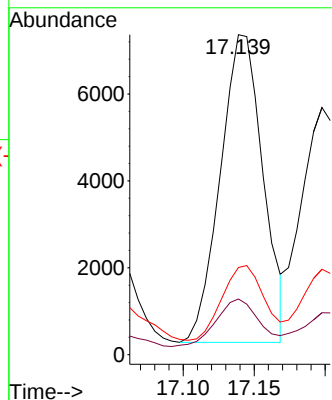
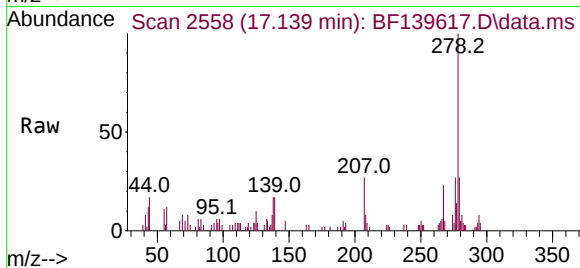
Tgt Ion:278 Resp: 14801

Ion Ratio Lower Upper

278 100

139 17.4 12.2 18.4

279 27.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 6.141 ng

RT: 17.404 min Scan# 2603

Delta R.T. -0.024 min

Lab File: BF139617.D

Acq: 02 Oct 2024 20:10

Tgt Ion:276 Resp: 45503

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 20.8 17.0 25.6

