

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100324\
 Data File : BF139641.D
 Acq On : 03 Oct 2024 19:50
 Operator : RC/JU
 Sample : P4236-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1

Quant Time: Oct 04 01:16:47 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)

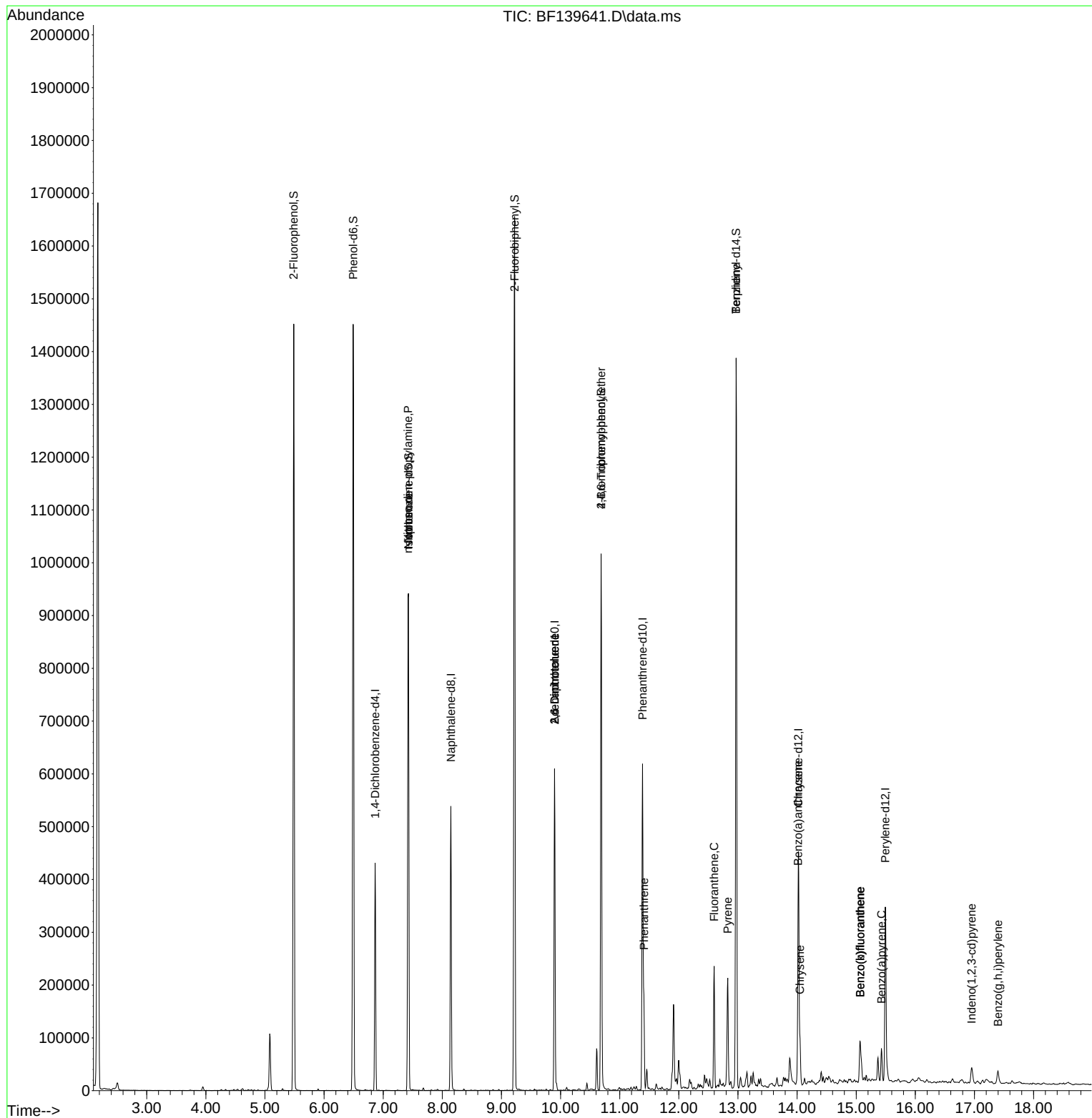
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	84294	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	320629	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	175157	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	316638	20.000	ng	0.00
76) Chrysene-d12	14.021	240	173708	20.000	ng	-0.01
86) Perylene-d12	15.492	264	192041	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	486702	100.075	ng	0.00
7) Phenol-d6	6.492	99	642112	98.180	ng	-0.01
23) Nitrobenzene-d5	7.428	82	417265	65.890	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	155547	91.993	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	719612	63.071	ng	0.00
79) Terphenyl-d14	12.969	244	661303	62.466	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	56859	13.523	ng	# 77
25) Isophorone	7.428	82	414268	36.831	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	22168	8.559	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	22168	6.548	ng	# 17
67) 4-Bromophenyl-phenylether	10.686	248	10921	3.364	ng	# 1
71) Phenanthrene	11.410	178	90384	6.054	ng	99
75) Fluoranthene	12.598	202	127349	7.803	ng	99
77) Benzidine	12.969	184	9270	3.025	ng	# 91
78) Pyrene	12.827	202	119338	7.681	ng	99
81) Benzo(a)anthracene	14.016	228	53691	4.701	ng	97
83) Chrysene	14.051	228	42584	4.078	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	22849	2.021	ng	95
88) Benzo(b)fluoranthene	15.068	252	66291	5.339	ng	97
89) Benzo(k)fluoranthene	15.068	252	66291	6.294	ng	97
90) Benzo(a)pyrene	15.427	252	37891	3.870	ng	99
92) Benzo(g,h,i)perylene	17.398	276	22187	2.360	ng	99

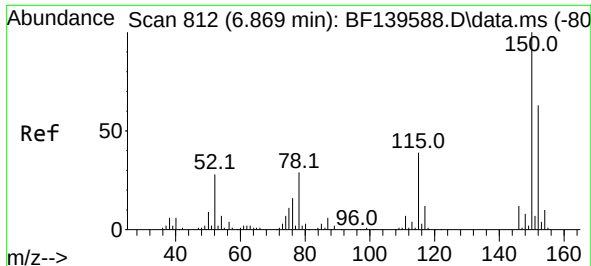
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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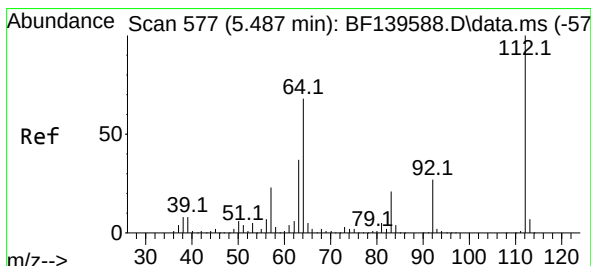
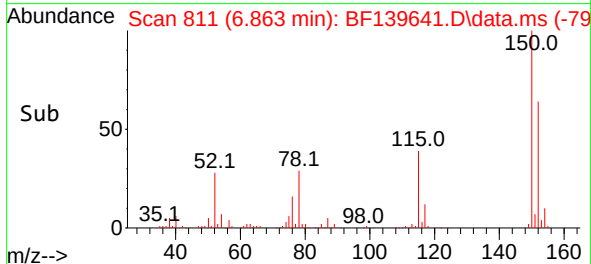
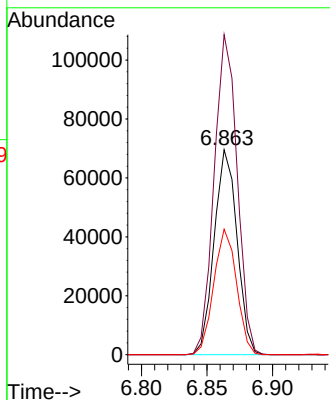
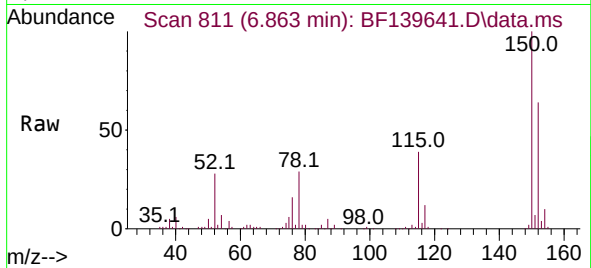




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

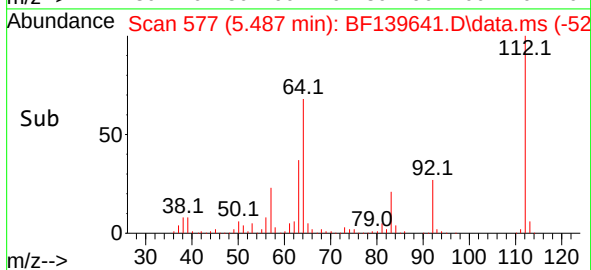
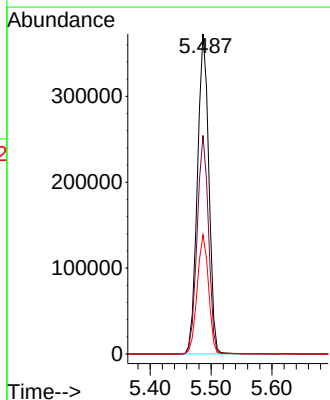
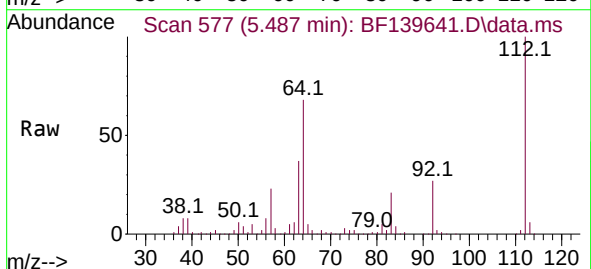
Instrument :
BNA_F
ClientSampleId :
TP1

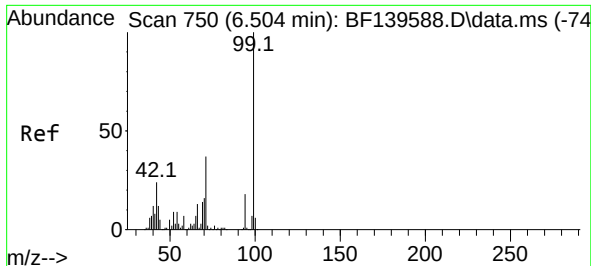
Tgt Ion:152 Resp: 84294
Ion Ratio Lower Upper
152 100
150 156.2 127.2 190.8
115 61.2 49.0 73.4



#5
2-Fluorophenol
Concen: 100.075 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Tgt Ion:112 Resp: 486702
Ion Ratio Lower Upper
112 100
64 68.3 54.2 81.4
63 37.3 29.4 44.2

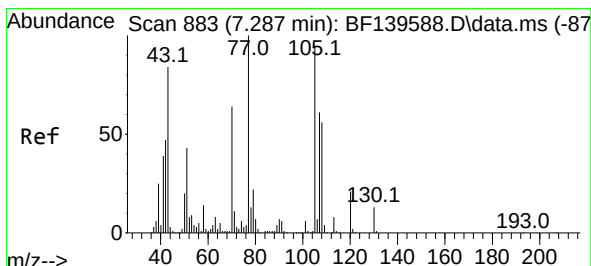
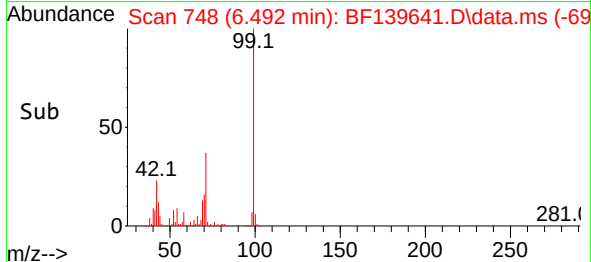
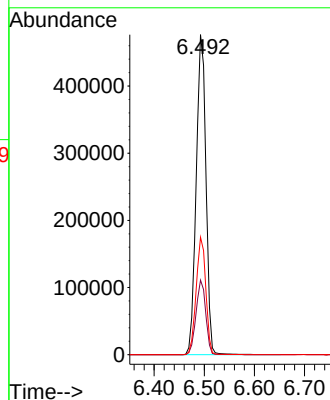
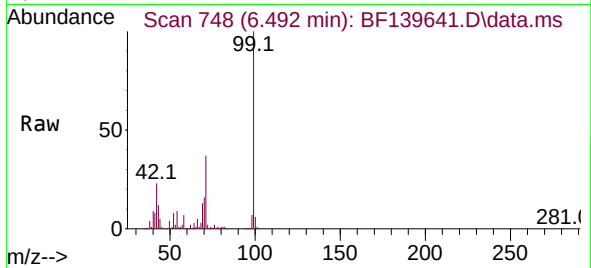




#7
Phenol-d6
Concen: 98.180 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

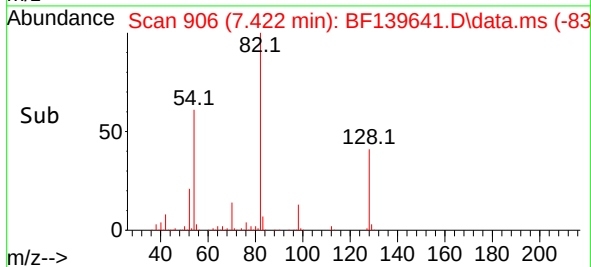
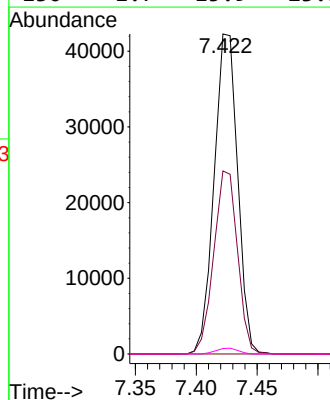
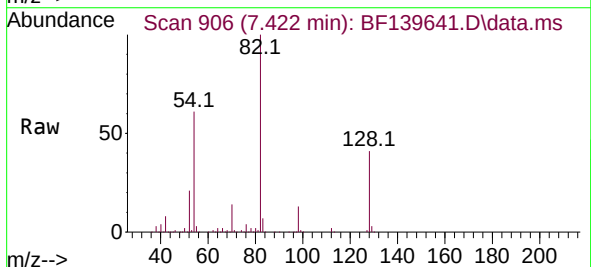
Instrument :
BNA_F
ClientSampleId :
TP1

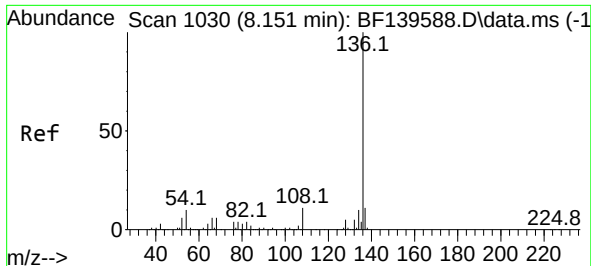
Tgt Ion: 99 Resp: 642112
Ion Ratio Lower Upper
99 100
42 23.3 19.1 28.7
71 36.7 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.523 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Tgt Ion: 70 Resp: 56859
Ion Ratio Lower Upper
70 100
42 57.2 58.0 87.0#
101 0.0 7.8 11.8#
130 1.7 15.9 23.9#



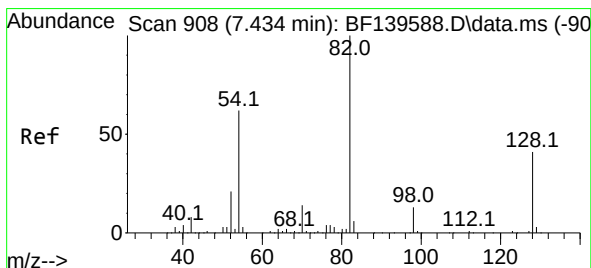
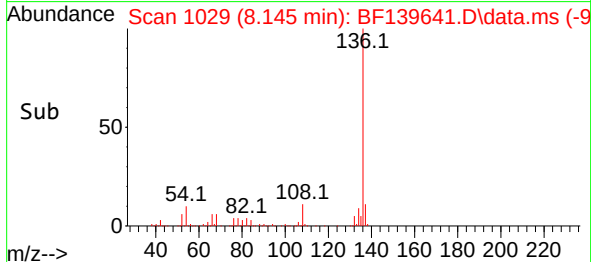
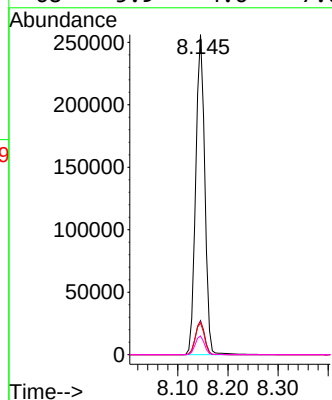
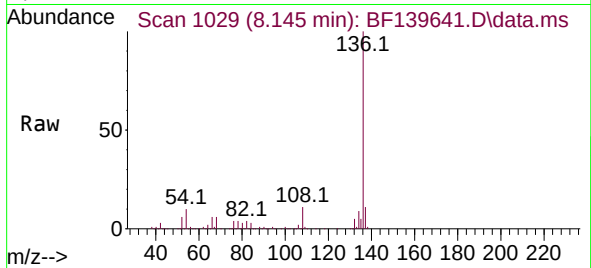


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Instrument :
BNA_F
ClientSampleId :
TP1

Tgt Ion:136 Resp: 320629

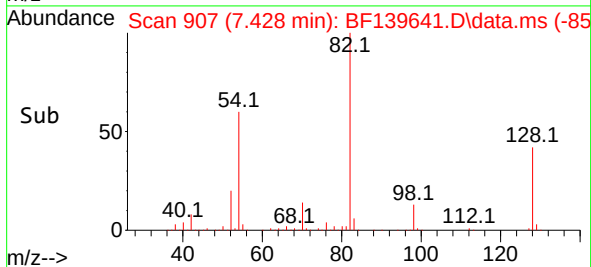
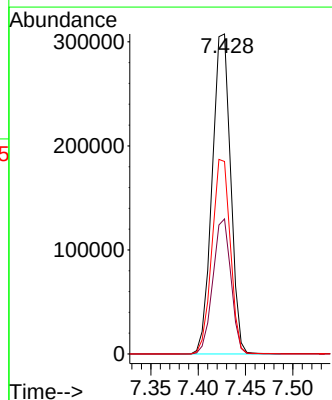
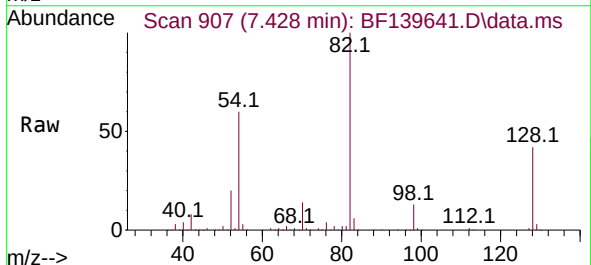
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.0	8.3	12.5
68	5.9	4.6	7.0

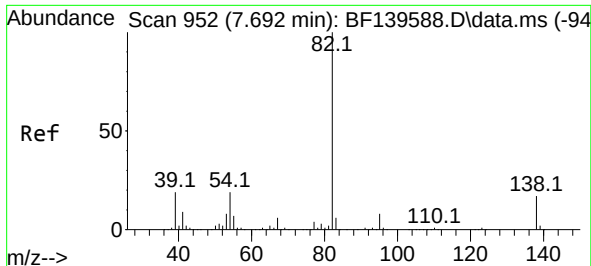


#23
Nitrobenzene-d5
Concen: 65.890 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Tgt Ion: 82 Resp: 417265

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.4	48.6
54	60.2	49.1	73.7

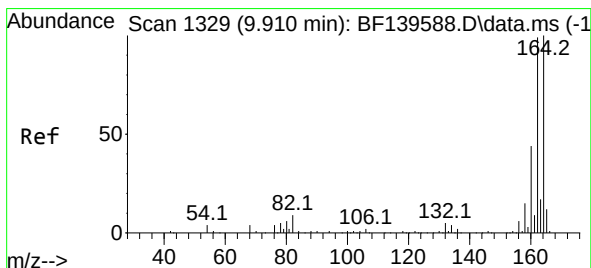
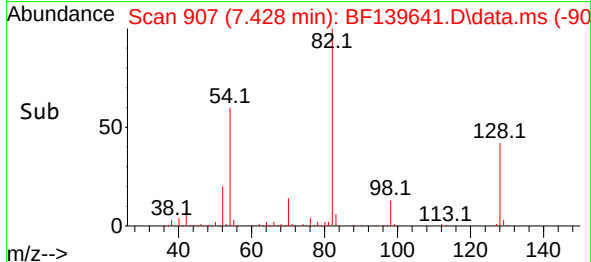
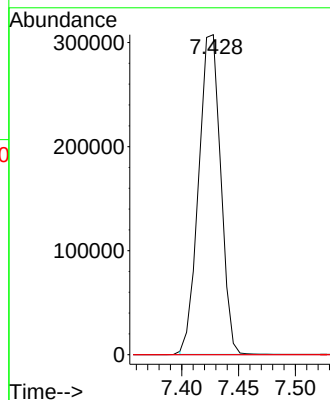
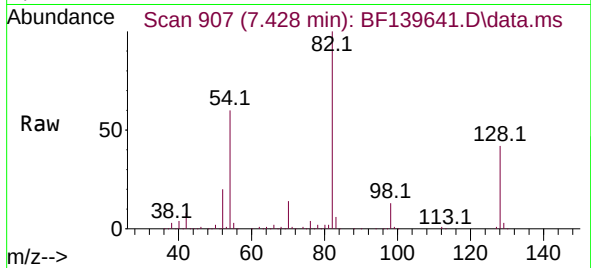




#25
Isophorone
Concen: 36.831 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

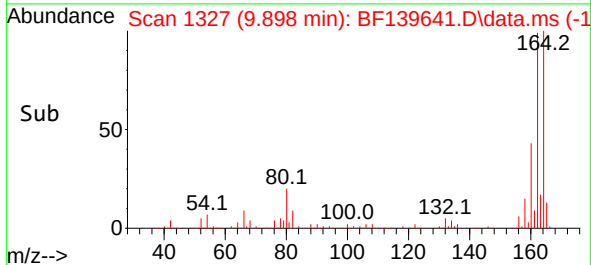
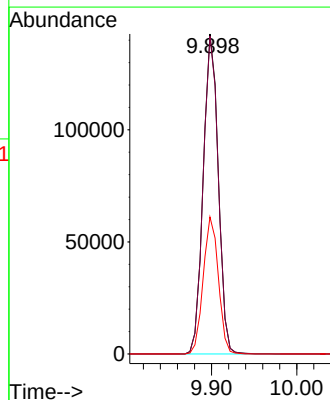
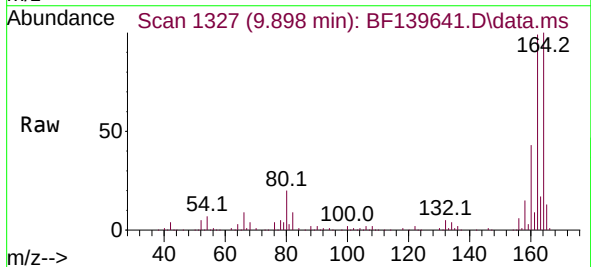
Instrument :
BNA_F
ClientSampleId :
TP1

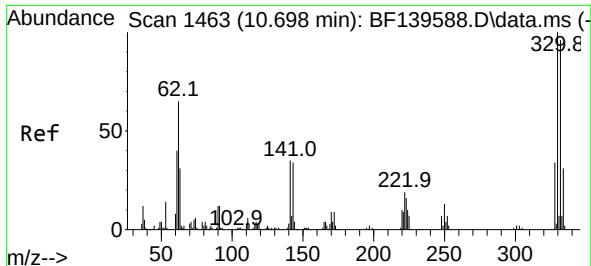
Tgt Ion: 82 Resp: 414268
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Tgt Ion:164 Resp: 175157
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 42.8 35.1 52.7

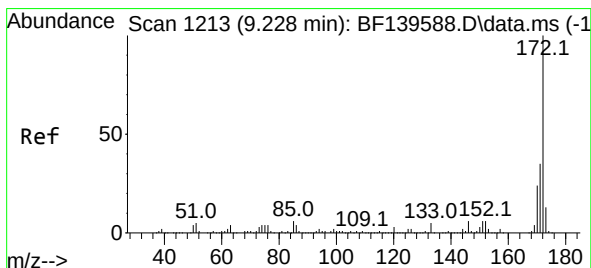
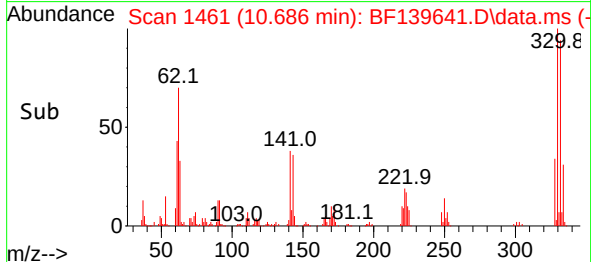
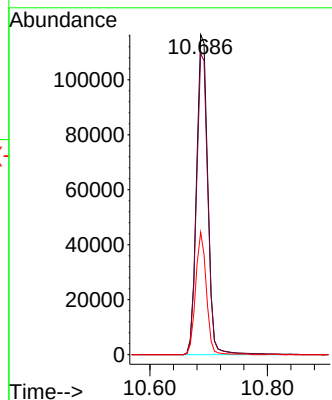
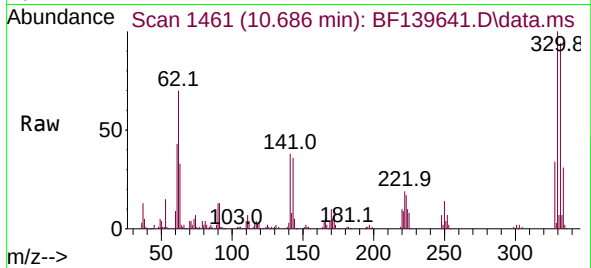




#42
2,4,6-Tribromophenol
Concen: 91.993 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

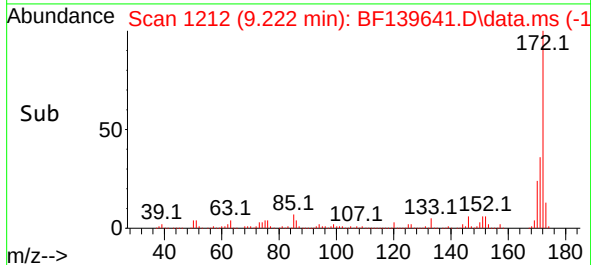
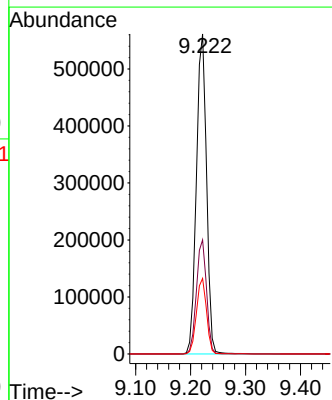
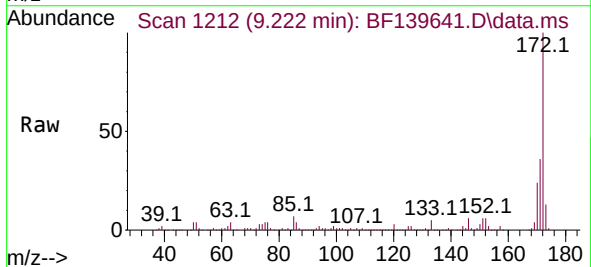
Instrument :
BNA_F
ClientSampleId :
TP1

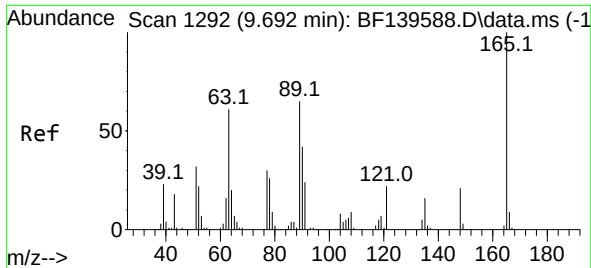
Tgt Ion: 330 Resp: 155547
Ion Ratio Lower Upper
330 100
332 94.4 76.5 114.7
141 36.2 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 63.071 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Tgt Ion: 172 Resp: 719612
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 23.6 18.8 28.2

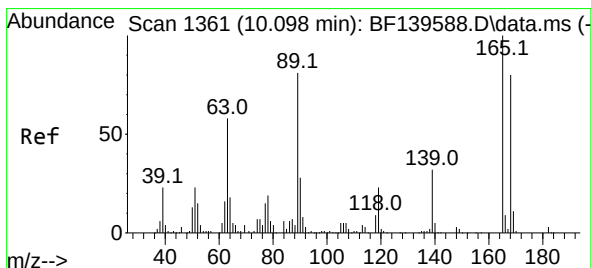
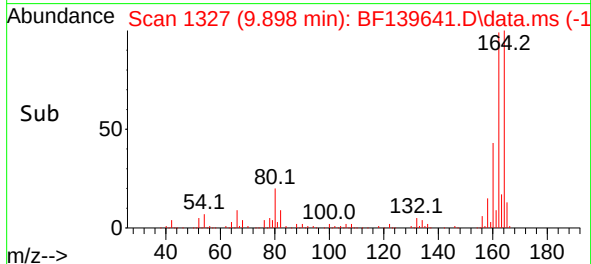
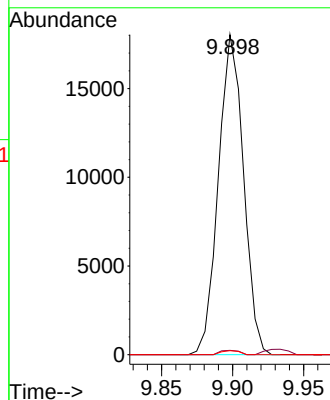
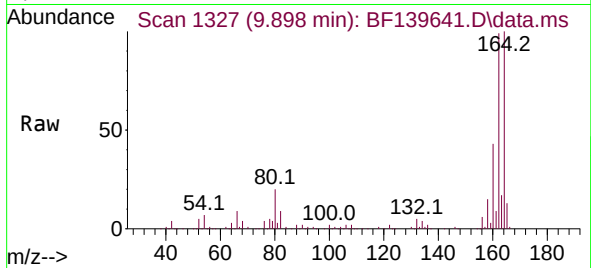




#51
2,6-Dinitrotoluene
Concen: 8.559 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

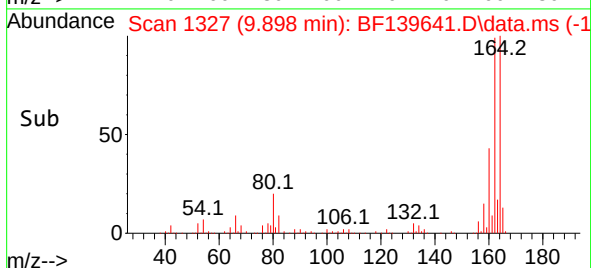
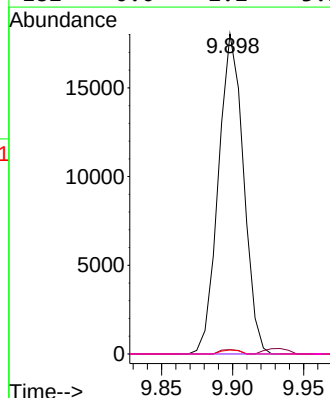
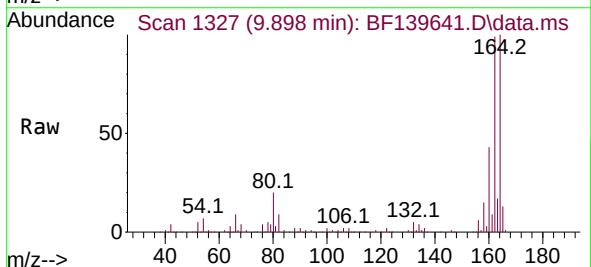
Instrument :
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ClientSampleId :
TP1

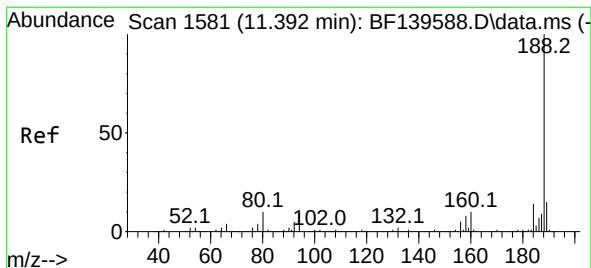
Tgt Ion:165 Resp: 22168
Ion Ratio Lower Upper
165 100
63 1.4 56.7 85.1#
89 1.2 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.548 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Tgt Ion:165 Resp: 22168
Ion Ratio Lower Upper
165 100
63 1.4 46.9 70.3#
89 1.2 64.4 96.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Instrument :

BNA_F

ClientSampleId :

TP1

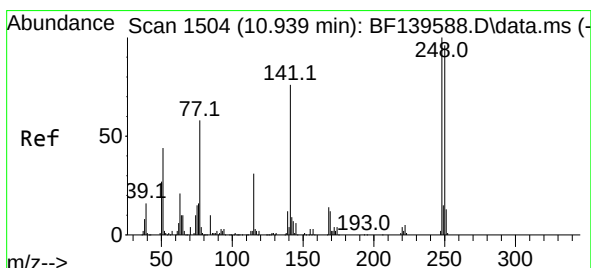
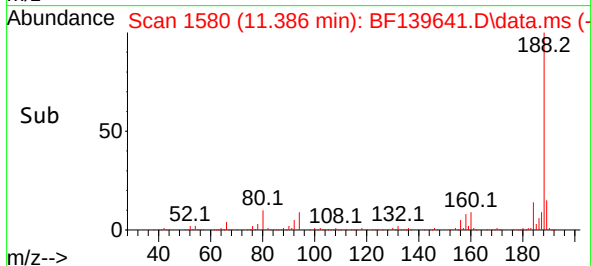
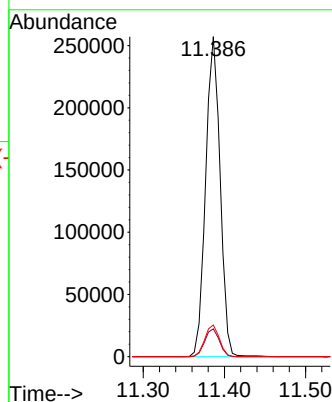
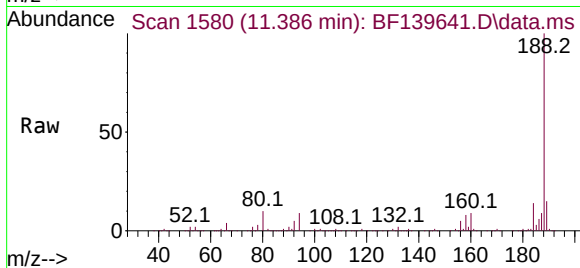
Tgt Ion:188 Resp: 316638

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.9 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 3.364 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.253 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

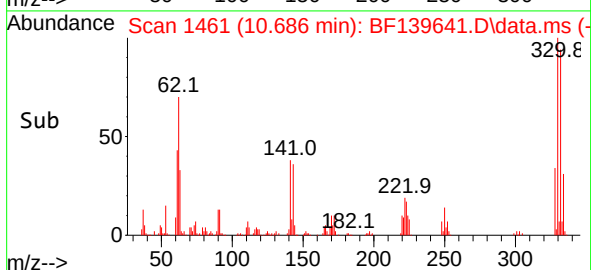
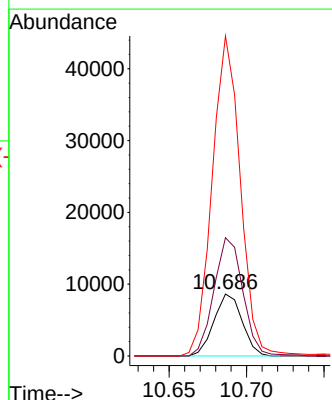
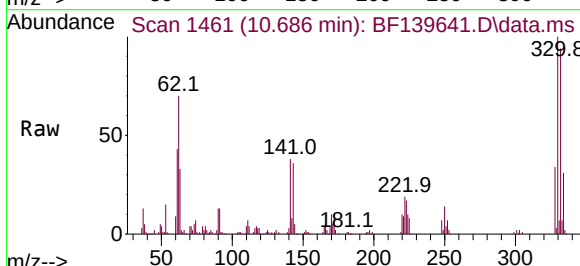
Tgt Ion:248 Resp: 10921

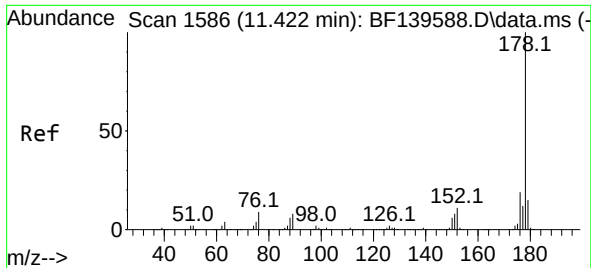
Ion Ratio Lower Upper

248 100

250 190.9 77.1 115.7#

141 516.7 60.4 90.6#

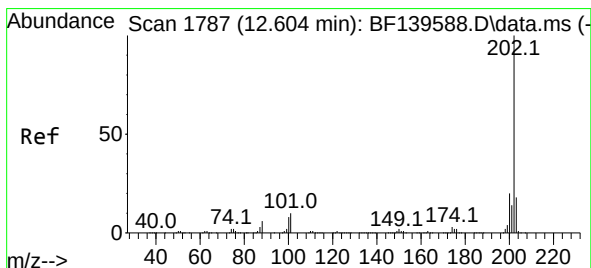
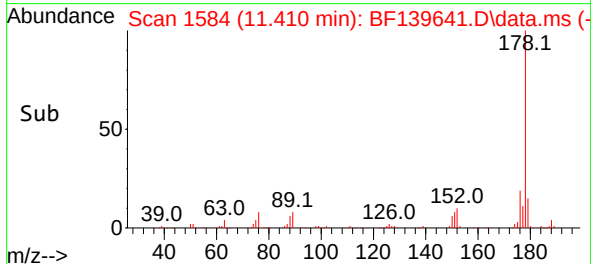
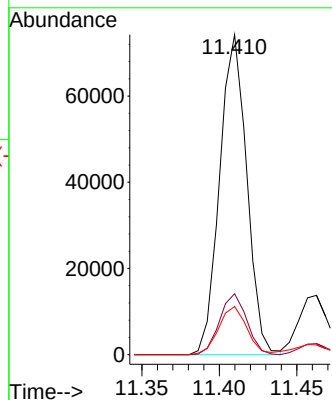
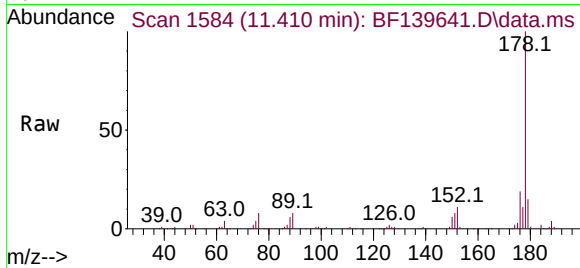




#71
Phenanthrene
Concen: 6.054 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

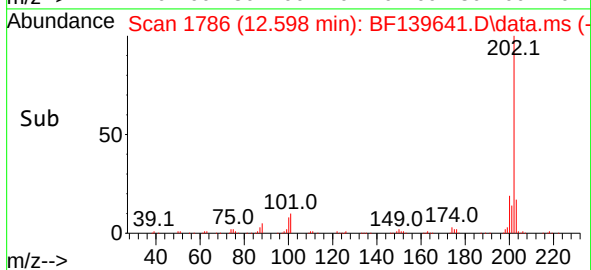
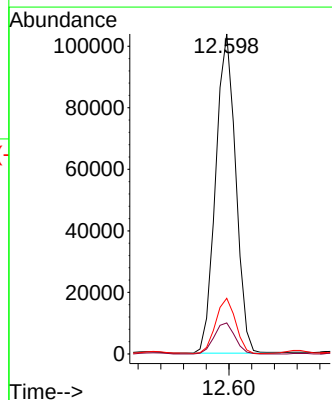
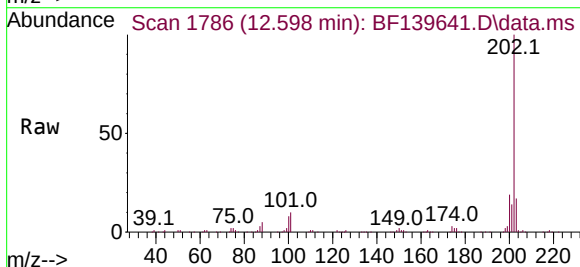
Instrument :
BNA_F
ClientSampleId :
TP1

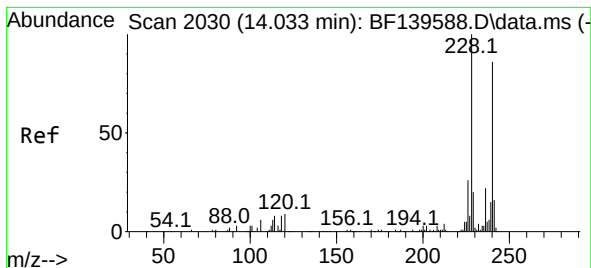
Tgt Ion:178 Resp: 90384
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.1 12.3 18.5



#75
Fluoranthene
Concen: 7.803 ng
RT: 12.598 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF139641.D
Acq: 03 Oct 2024 19:50

Tgt Ion:202 Resp: 127349
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Instrument :

BNA_F

ClientSampleId :

TP1

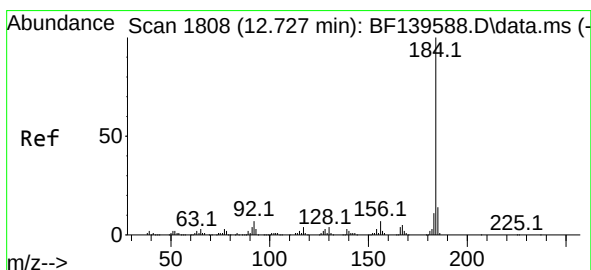
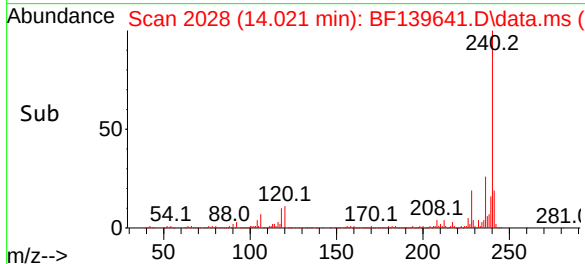
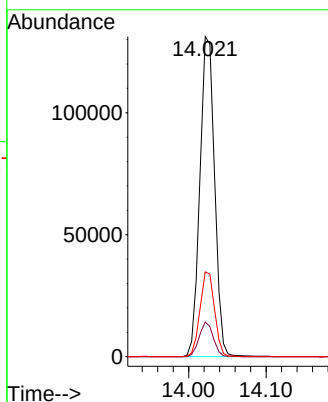
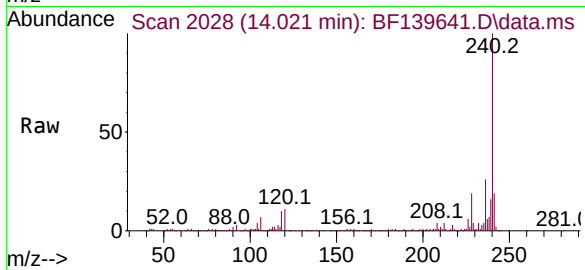
Tgt Ion:240 Resp: 173708

Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

236 26.5 20.3 30.5



#77

Benzdine

Concen: 3.025 ng

RT: 12.969 min Scan# 1849

Delta R.T. 0.241 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

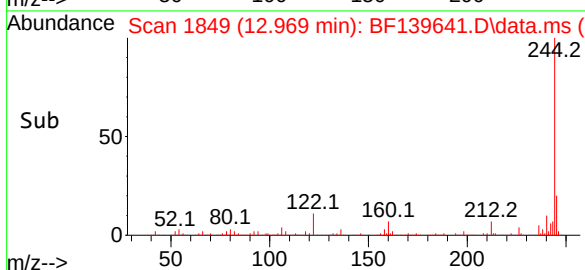
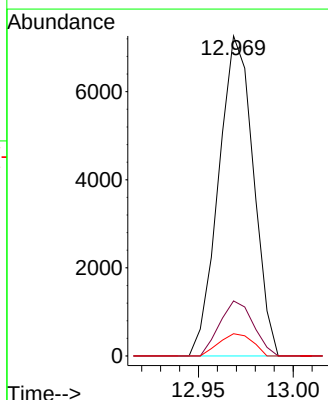
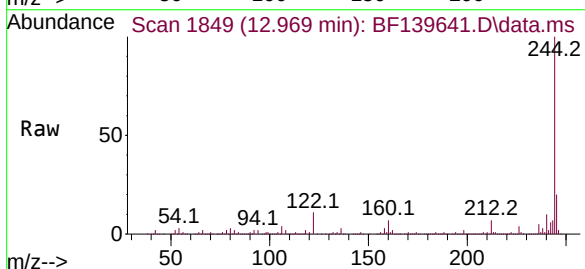
Tgt Ion:184 Resp: 9270

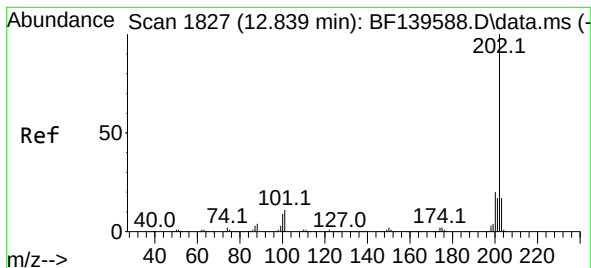
Ion Ratio Lower Upper

184 100

185 17.2 11.4 17.0#

183 6.9 8.8 13.2#





#78

Pyrene

Concen: 7.681 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Instrument :

BNA_F

ClientSampleId :

TP1

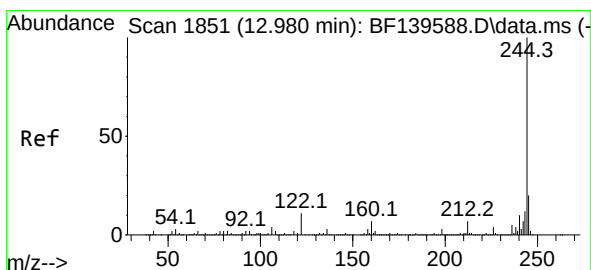
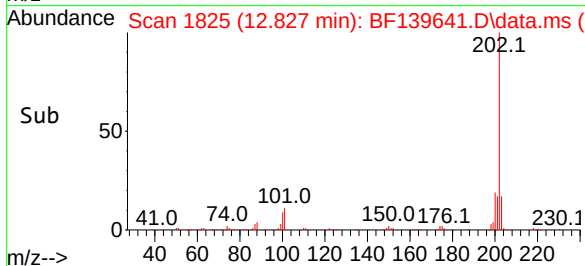
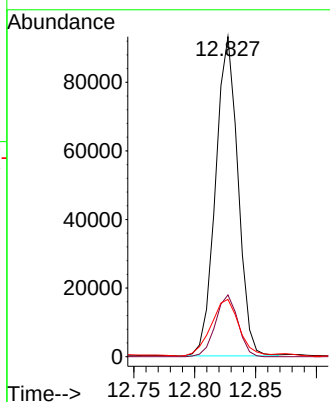
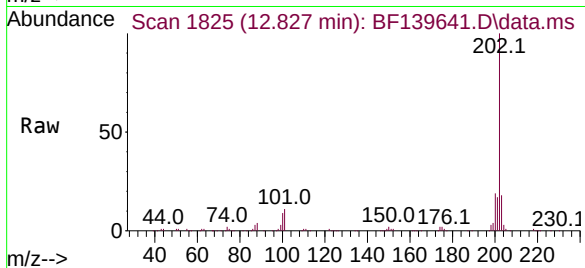
Tgt Ion:202 Resp: 119338

Ion Ratio Lower Upper

202 100

200 19.3 15.8 23.6

203 17.9 13.8 20.8



#79

Terphenyl-d14

Concen: 62.466 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.011 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

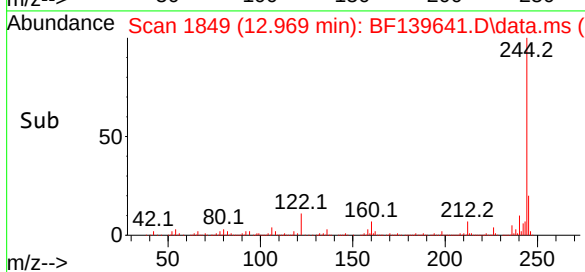
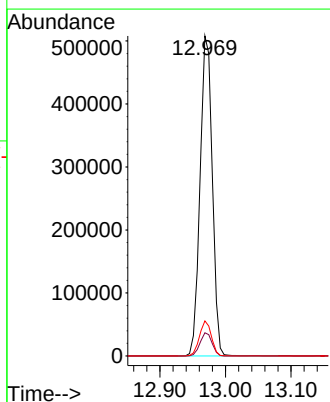
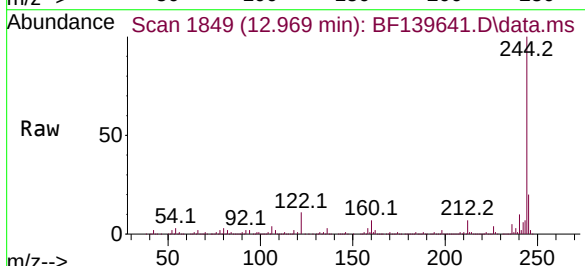
Tgt Ion:244 Resp: 661303

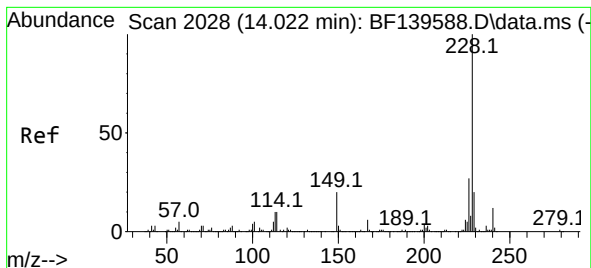
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 10.9 8.6 12.8





#81

Benzo(a)anthracene

Concen: 4.701 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Instrument :

BNA_F

ClientSampleId :

TP1

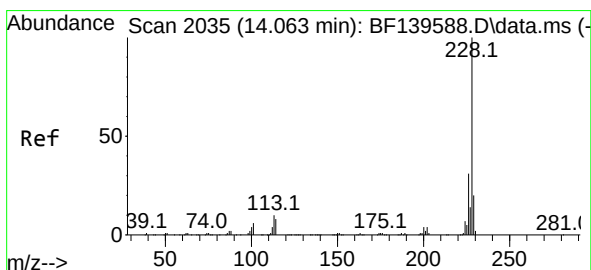
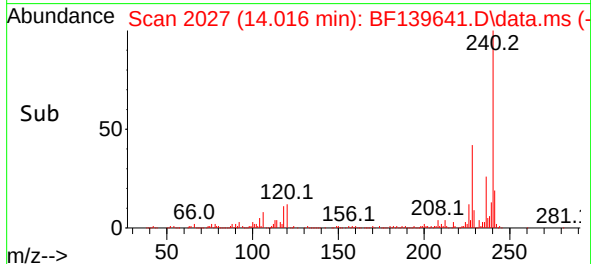
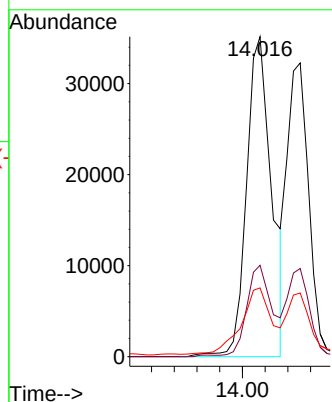
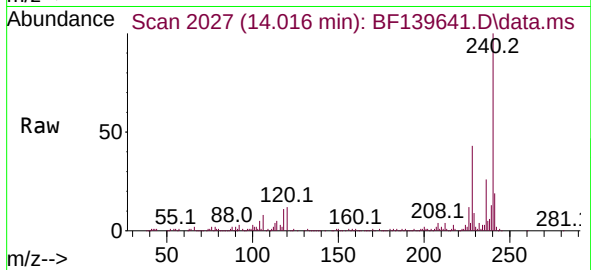
Tgt Ion:228 Resp: 53691

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

229 21.5 15.8 23.8



#83

Chrysene

Concen: 4.078 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

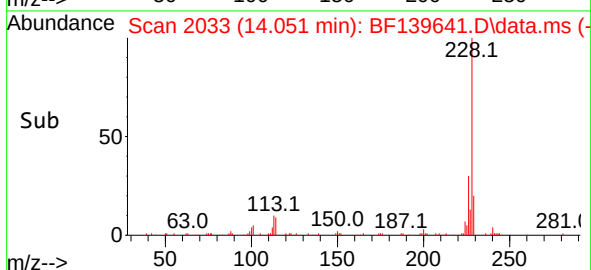
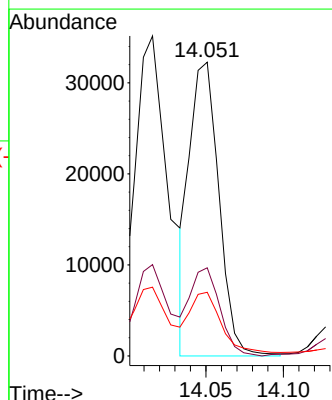
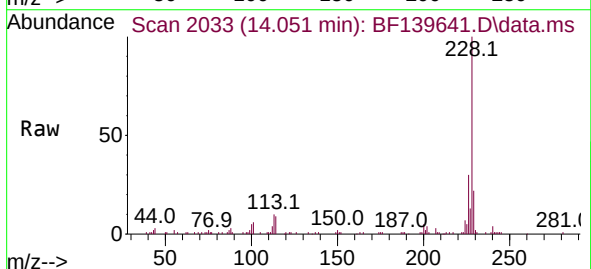
Tgt Ion:228 Resp: 42584

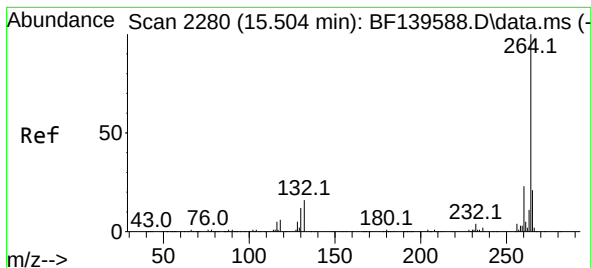
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Instrument :

BNA_F

ClientSampleId :

TP1

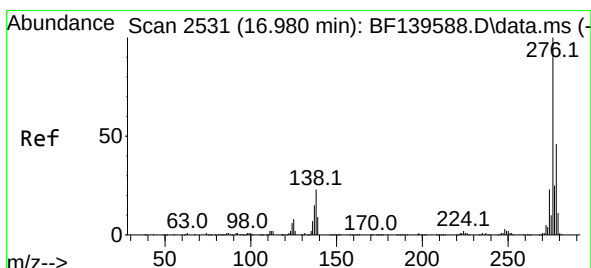
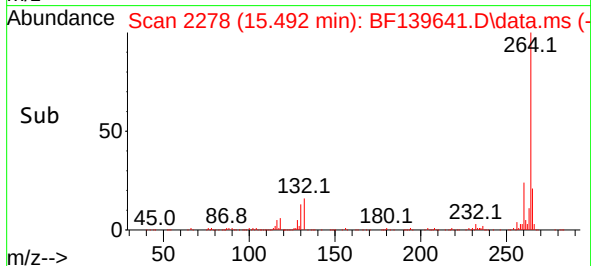
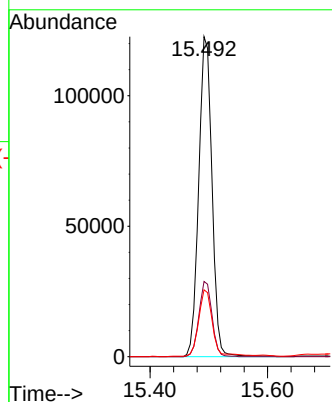
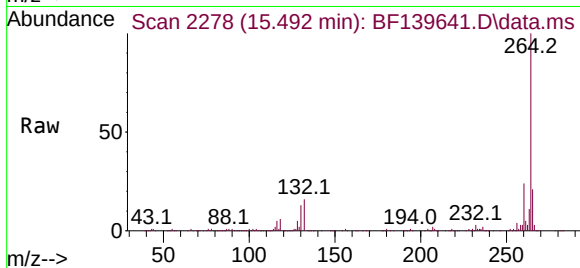
Tgt Ion:264 Resp: 192041

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 20.9 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.021 ng

RT: 16.951 min Scan# 2526

Delta R.T. -0.029 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

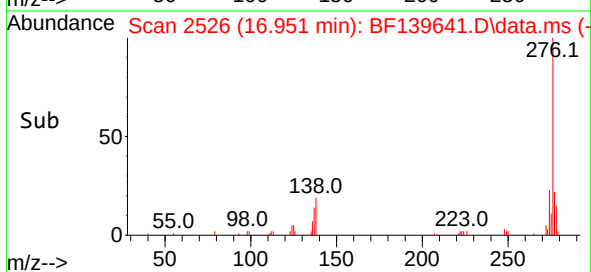
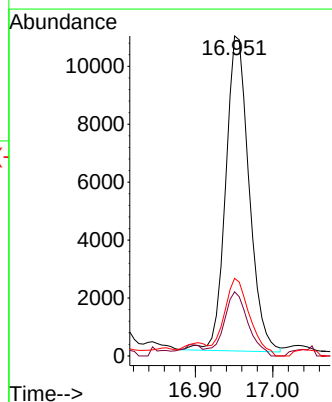
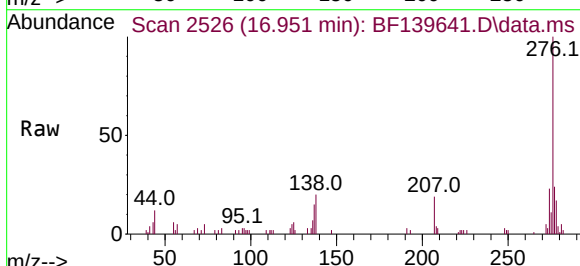
Tgt Ion:276 Resp: 22849

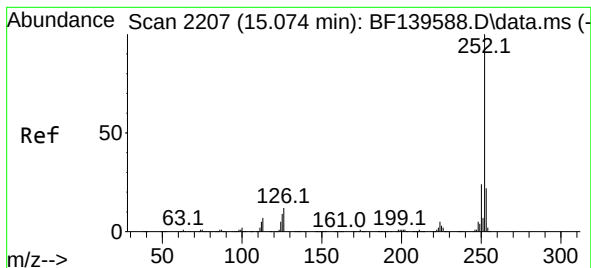
Ion Ratio Lower Upper

276 100

138 20.7 19.4 29.0

277 26.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 5.339 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Instrument :

BNA_F

ClientSampleId :

TP1

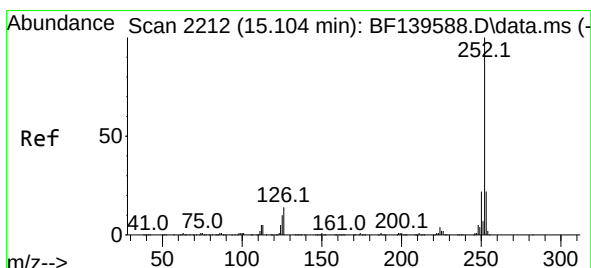
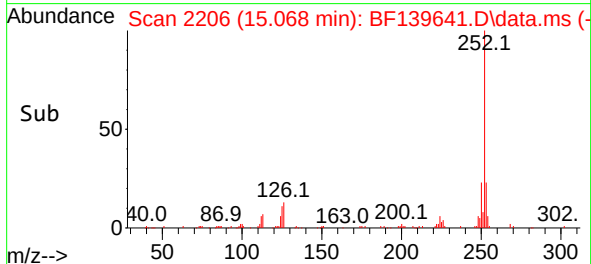
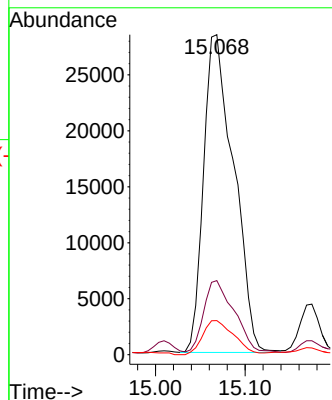
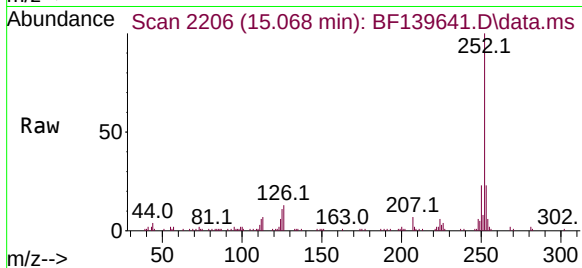
Tgt Ion:252 Resp: 66291

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 10.7 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 6.294 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.035 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

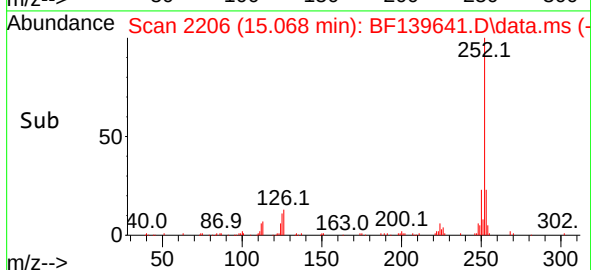
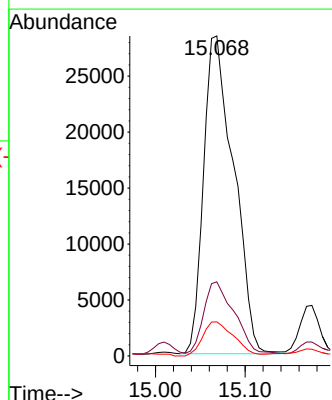
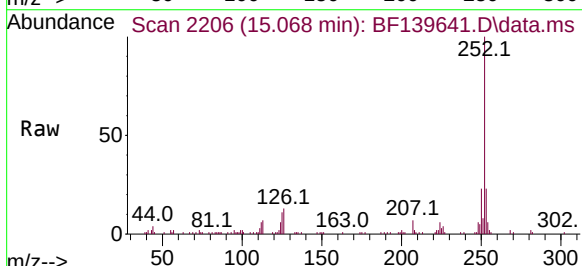
Tgt Ion:252 Resp: 66291

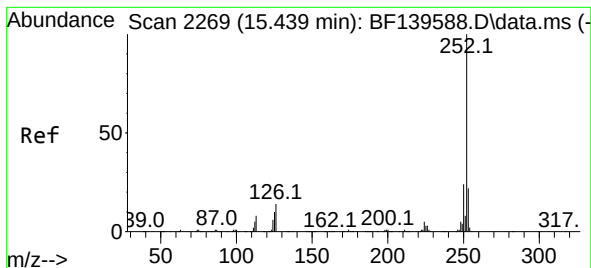
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 10.7 7.6 11.4





#90

Benzo(a)pyrene

Concen: 3.870 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Instrument :

BNA_F

ClientSampleId :

TP1

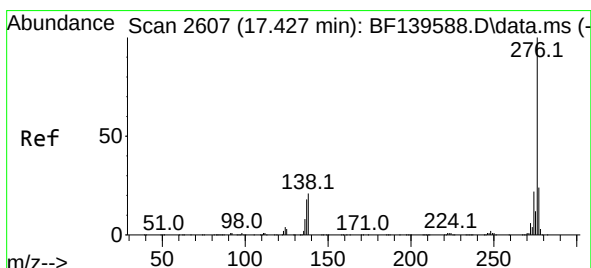
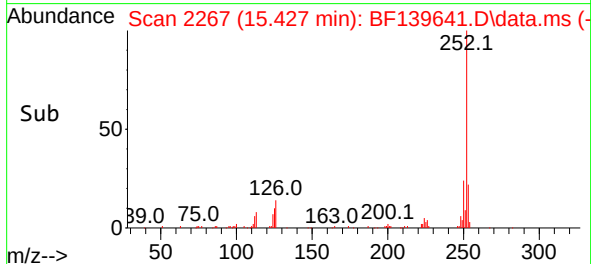
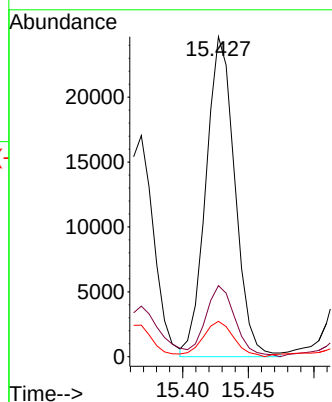
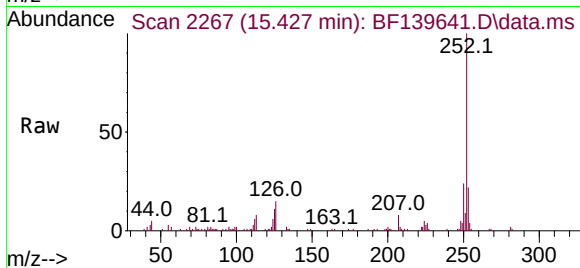
Tgt Ion:252 Resp: 37891

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 11.1 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 2.360 ng

RT: 17.398 min Scan# 2602

Delta R.T. -0.029 min

Lab File: BF139641.D

Acq: 03 Oct 2024 19:50

Tgt Ion:276 Resp: 22187

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 22.2 17.0 25.6

