

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139799.D
 Acq On : 14 Oct 2024 20:21
 Operator : RC/JU
 Sample : P4364-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-1.0-1.5DL

Quant Time: Oct 15 01:13:28 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)

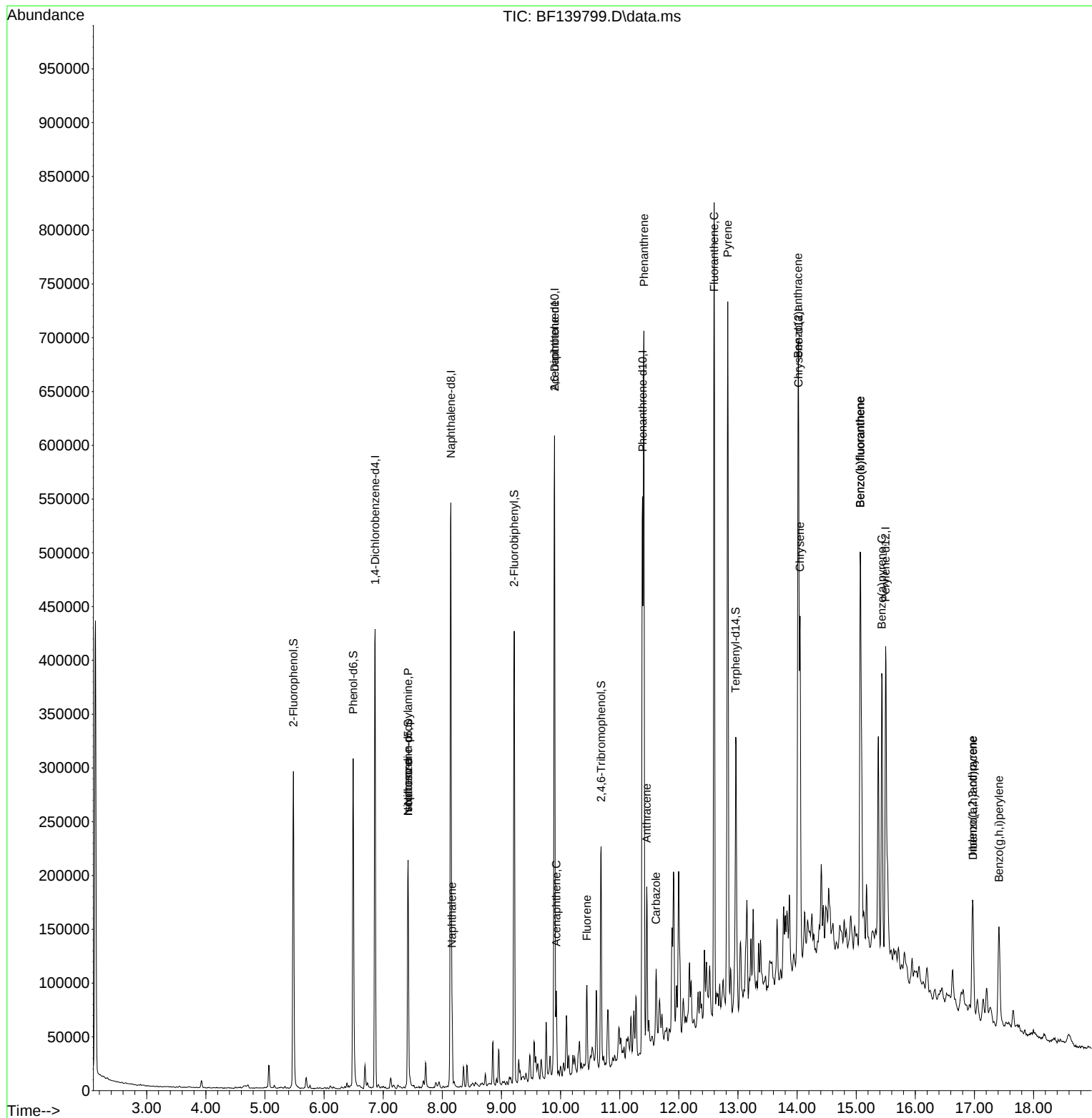
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	90077	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	333860	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	173595	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	270748	20.000	ng	0.00
76) Chrysene-d12	14.027	240	145107	20.000	ng	0.00
86) Perylene-d12	15.498	264	163152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	109937	21.154	ng	0.00
7) Phenol-d6	6.492	99	148107	21.192	ng	-0.01
23) Nitrobenzene-d5	7.422	82	91007	13.801	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	27867	16.629	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	177251	15.675	ng	-0.01
79) Terphenyl-d14	12.963	244	118334	13.381	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	11963	2.662	ng	# 75
25) Isophorone	7.422	82	88906	7.591	ng	# 66
31) Naphthalene	8.163	128	37979	2.225	ng	100
51) 2,6-Dinitrotoluene	9.898	165	22872	8.910	ng	# 18
52) Acenaphthene	9.928	154	22254	2.202	ng	99
58) Fluorene	10.445	166	30840	2.737	ng	99
71) Phenanthrene	11.410	178	351331	27.521	ng	99
72) Anthracene	11.457	178	85161	6.743	ng	99
73) Carbazole	11.616	167	33484	2.760	ng	99
75) Fluoranthene	12.598	202	416648	29.856	ng	100
78) Pyrene	12.827	202	381146	29.368	ng	98
81) Benzo(a)anthracene	14.015	228	200794	21.047	ng	95
83) Chrysene	14.051	228	164366	18.845	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	80596	8.393	ng	93
88) Benzo(b)fluoranthene	15.068	252	306176	29.024	ng	# 97
89) Benzo(k)fluoranthene	15.068	252	306176	34.215	ng	97
90) Benzo(a)pyrene	15.433	252	157861	18.978	ng	96
91) Dibenzo(a,h)anthracene	16.974	278	20597	2.586	ng	# 80
92) Benzo(g,h,i)perylene	17.415	276	79461	9.948	ng	97

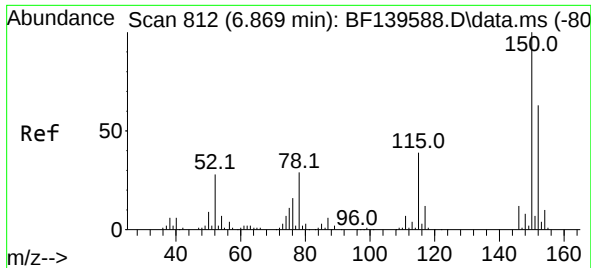
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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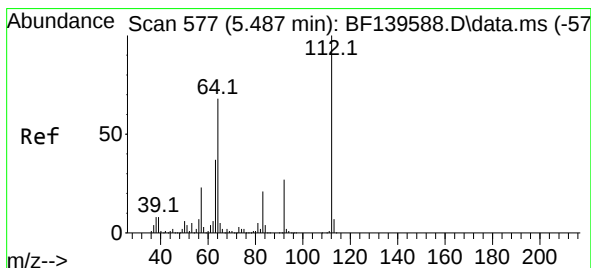
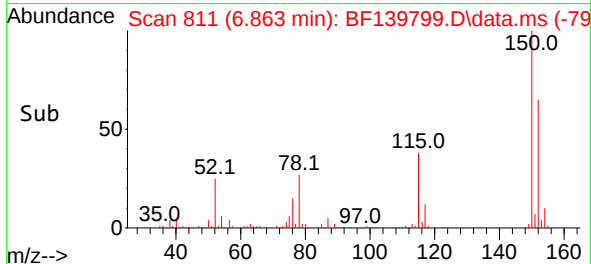
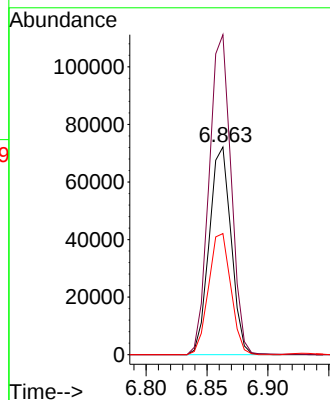
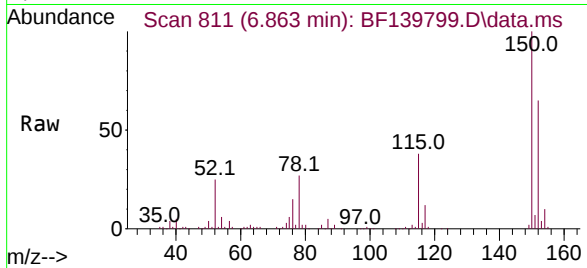




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

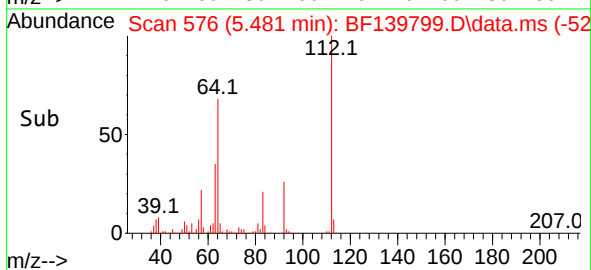
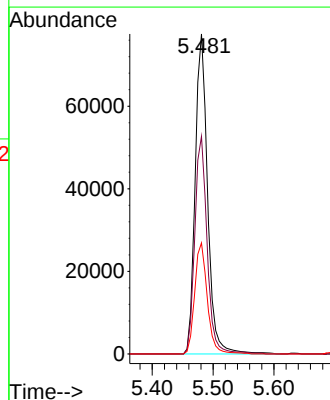
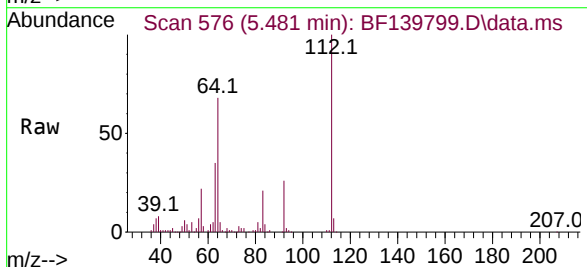
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL

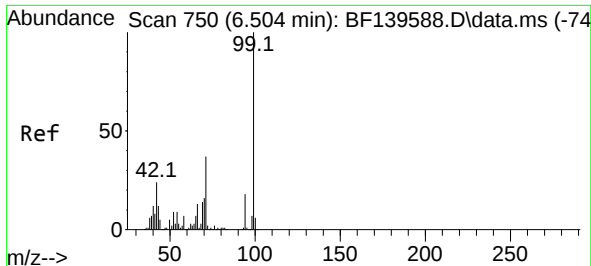
Tgt Ion:152 Resp: 90077
Ion Ratio Lower Upper
152 100
150 154.1 127.2 190.8
115 58.3 49.0 73.4



#5
2-Fluorophenol
Concen: 21.154 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion:112 Resp: 109937
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 34.7 29.4 44.2

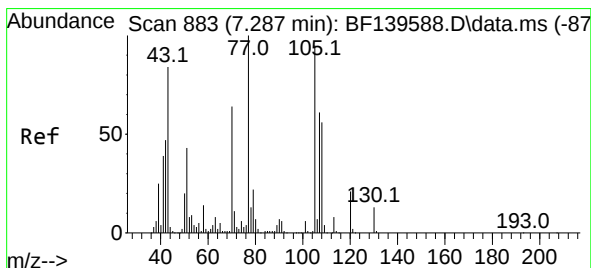
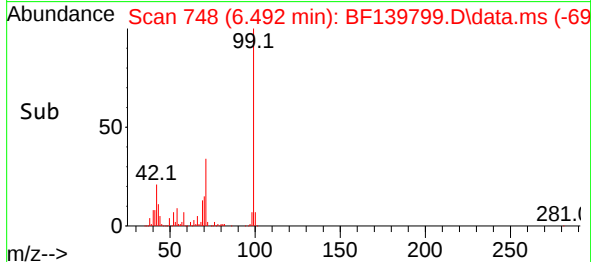
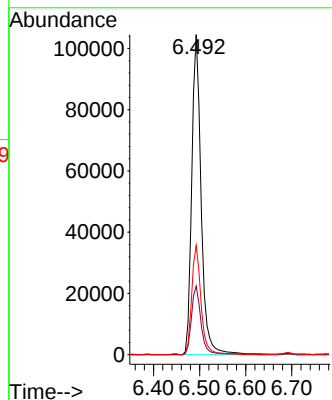
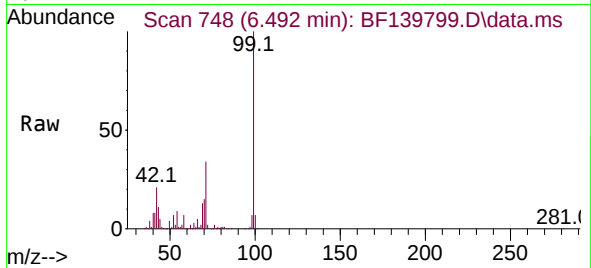




#7
Phenol-d6
Concen: 21.192 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

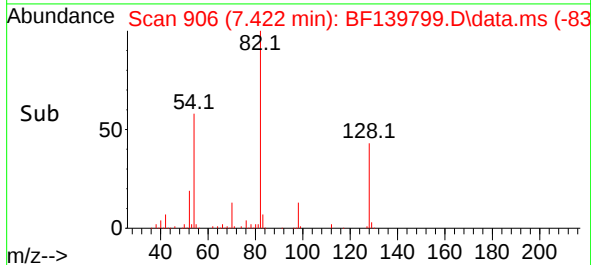
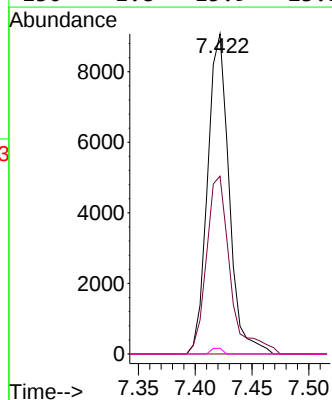
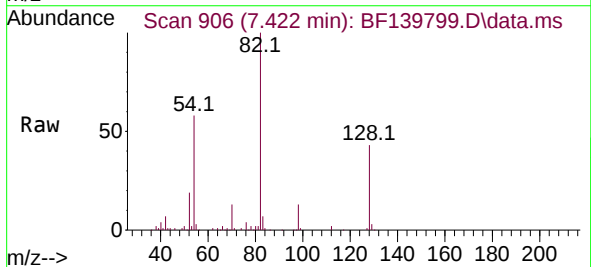
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL

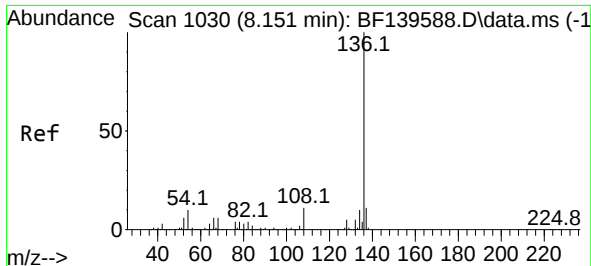
Tgt Ion: 99 Resp: 148107
Ion Ratio Lower Upper
99 100
42 21.4 19.1 28.7
71 34.1 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.662 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion: 70 Resp: 11963
Ion Ratio Lower Upper
70 100
42 55.6 58.0 87.0#
101 0.0 7.8 11.8#
130 1.8 15.9 23.9#

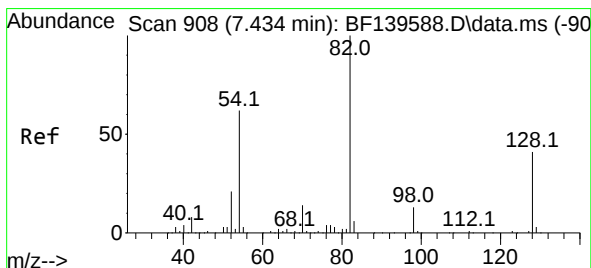
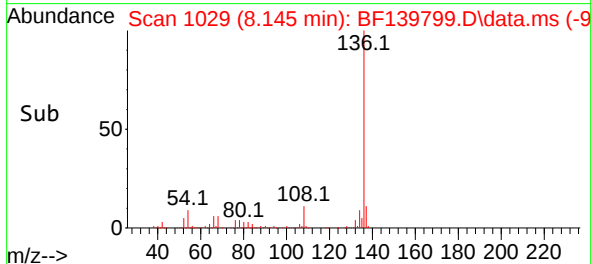
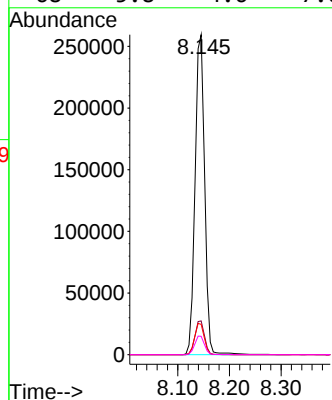
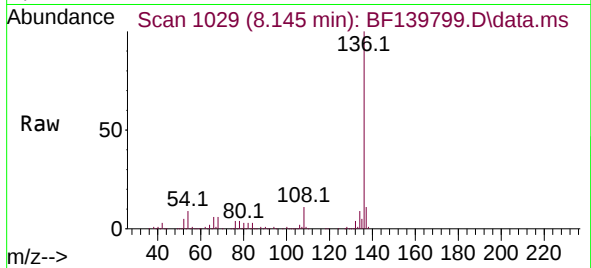




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

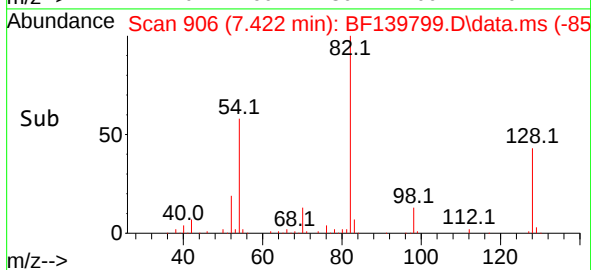
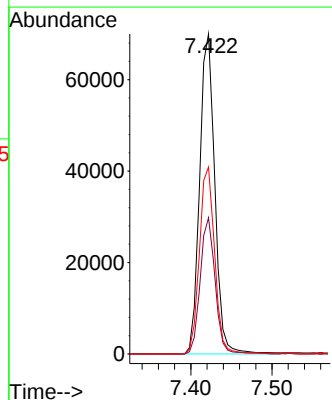
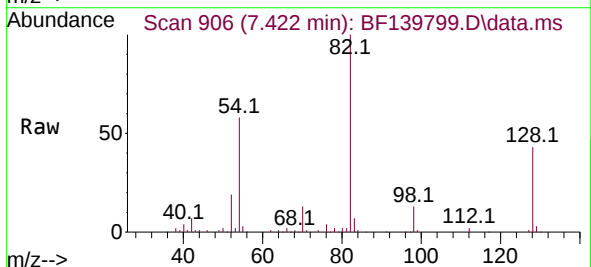
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL

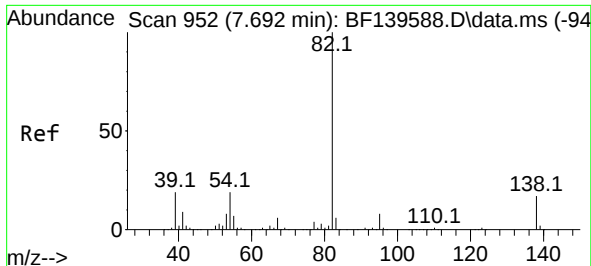
Tgt Ion:136 Resp: 333860
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.5 8.3 12.5
68 5.8 4.6 7.0



#23
Nitrobenzene-d5
Concen: 13.801 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion: 82 Resp: 91007
Ion Ratio Lower Upper
82 100
128 42.5 32.4 48.6
54 58.4 49.1 73.7

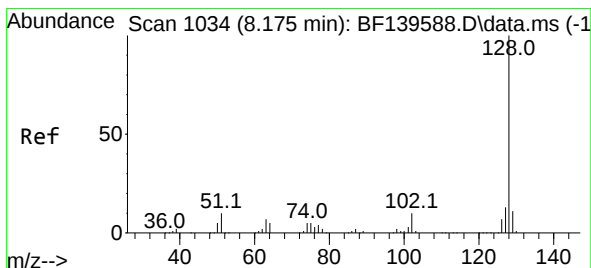
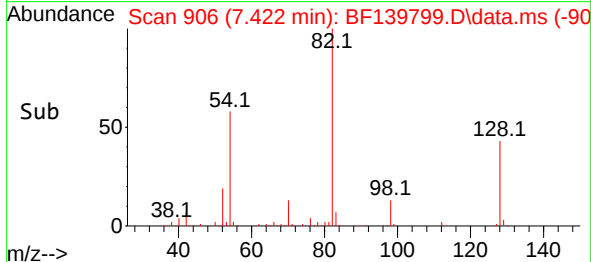
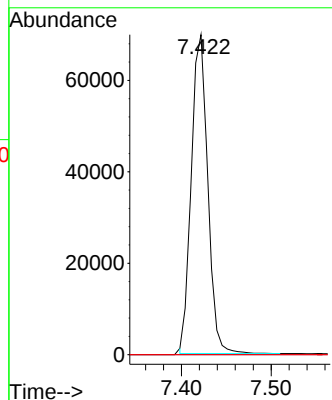
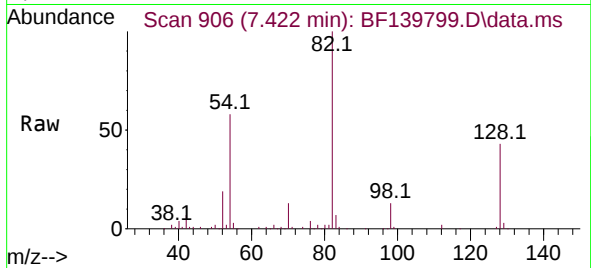




#25
Isophorone
Concen: 7.591 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

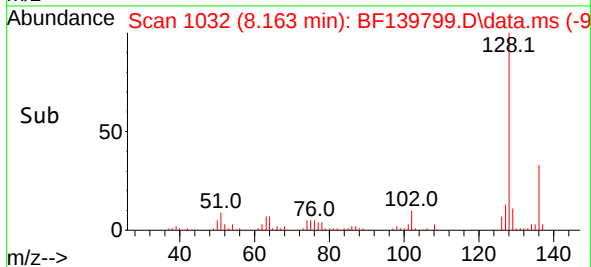
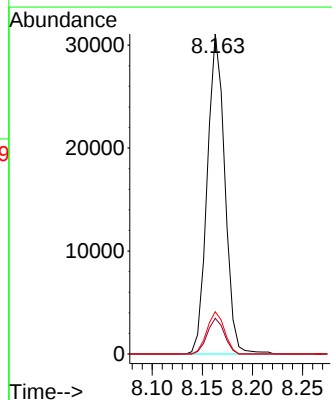
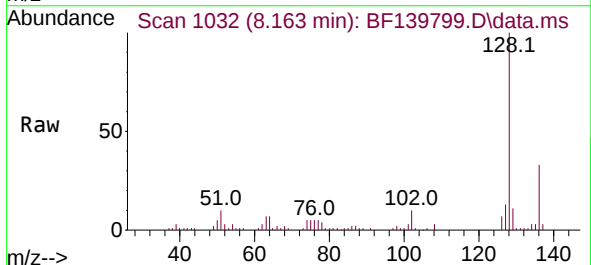
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL

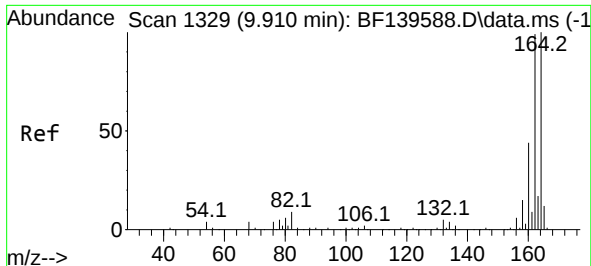
Tgt Ion: 82 Resp: 88906
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 2.225 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion: 128 Resp: 37979
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.2 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

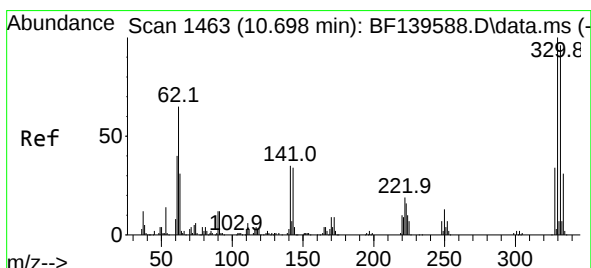
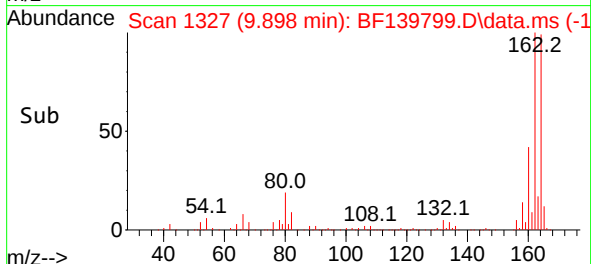
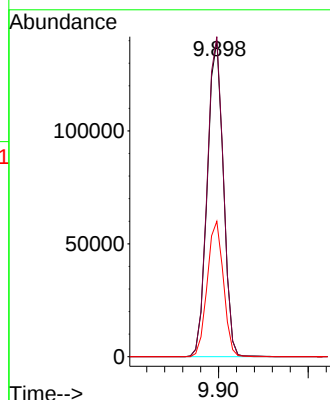
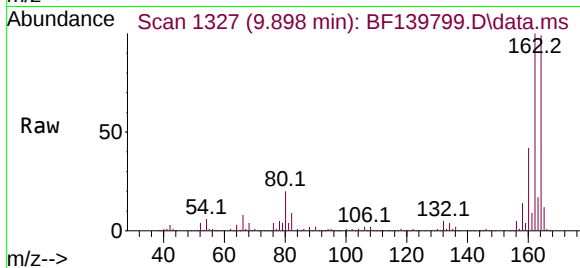
Tgt Ion:164 Resp: 173595

Ion Ratio Lower Upper

164 100

162 101.3 79.4 119.0

160 42.8 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 16.629 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

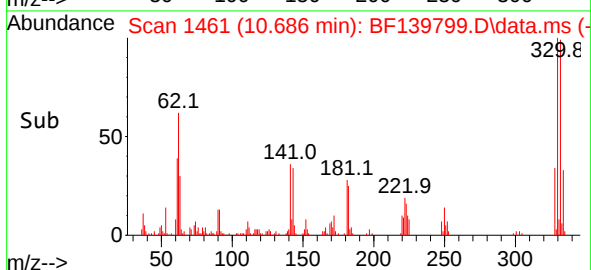
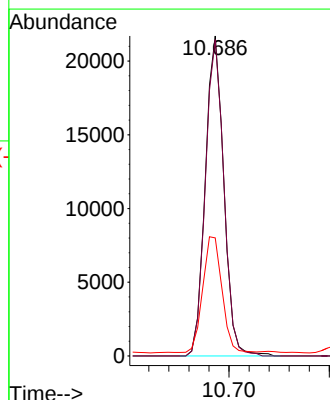
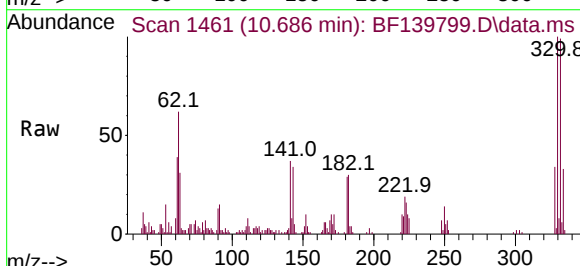
Tgt Ion:330 Resp: 27867

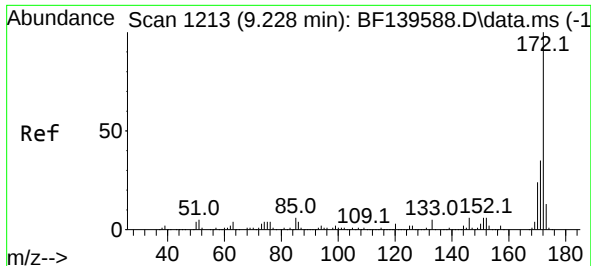
Ion Ratio Lower Upper

330 100

332 98.5 76.5 114.7

141 37.5 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 15.675 ng

RT: 9.216 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

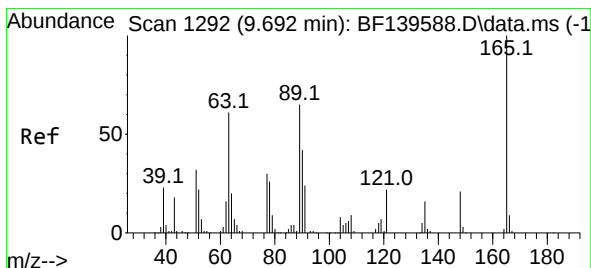
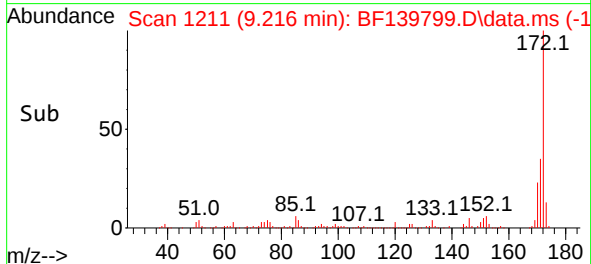
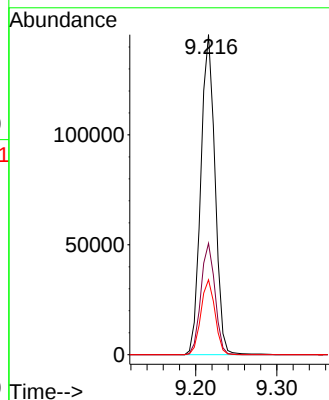
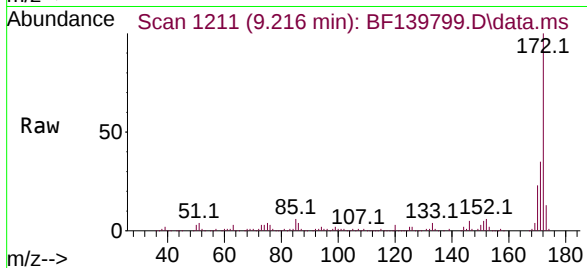
Tgt Ion:172 Resp: 177251

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.910 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.206 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

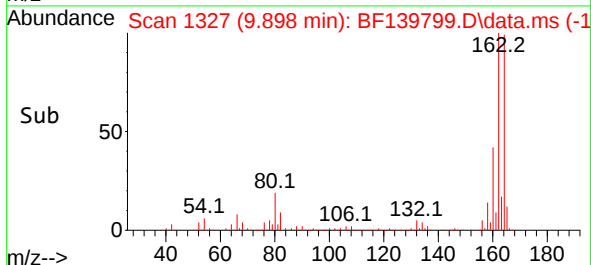
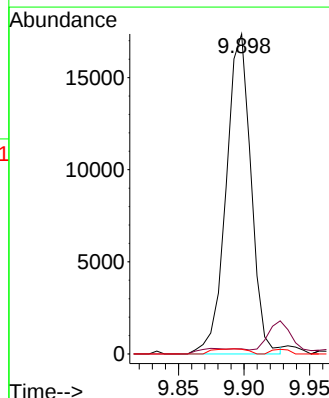
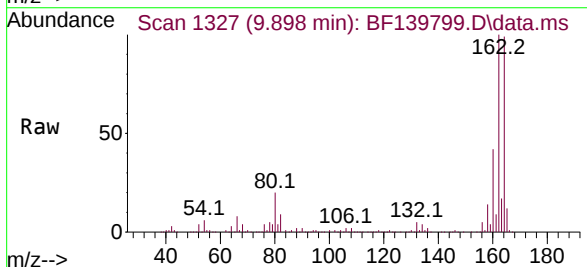
Tgt Ion:165 Resp: 22872

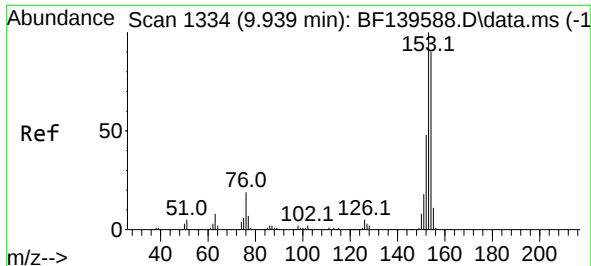
Ion Ratio Lower Upper

165 100

63 1.6 56.7 85.1#

89 1.5 51.6 77.4#

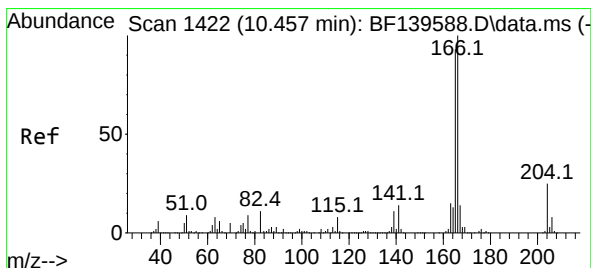
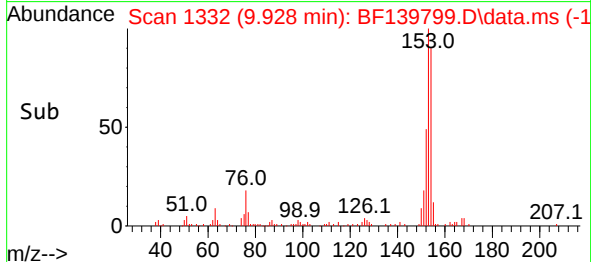
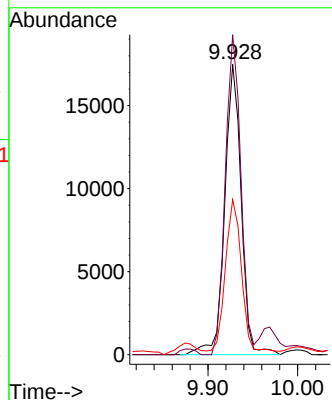
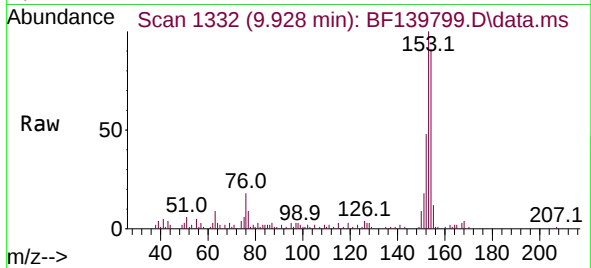




#52
Acenaphthene
Concen: 2.202 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

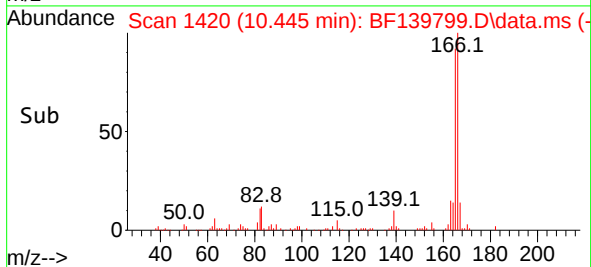
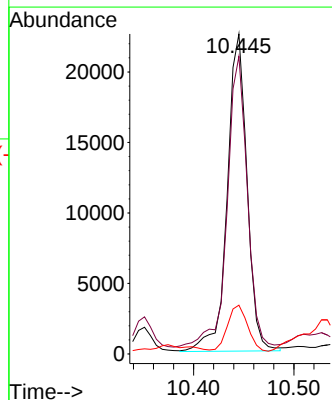
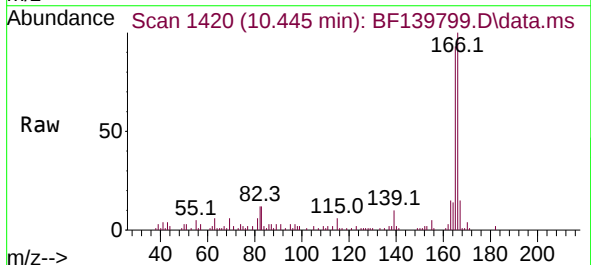
Instrument :
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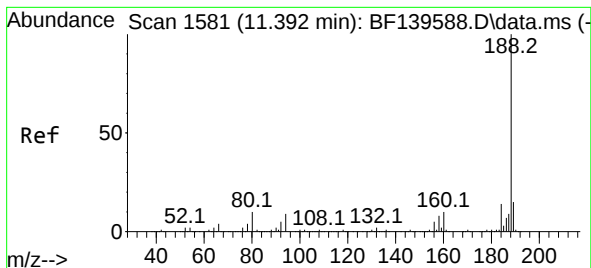
Tgt Ion:154 Resp: 22254
Ion Ratio Lower Upper
154 100
153 110.3 88.8 133.2
152 53.4 42.5 63.7



#58
Fluorene
Concen: 2.737 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion:166 Resp: 30840
Ion Ratio Lower Upper
166 100
165 93.0 74.4 111.6
167 15.3 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

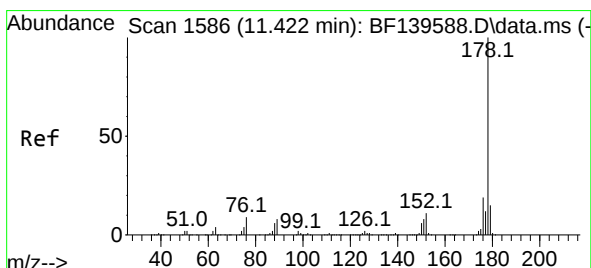
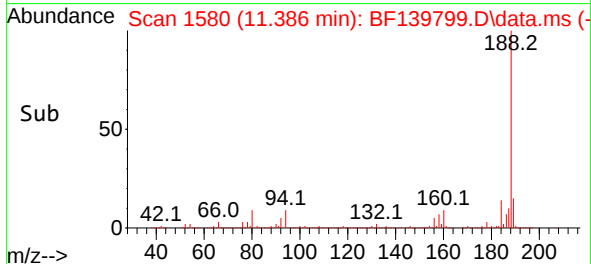
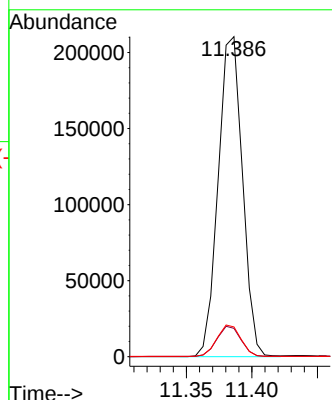
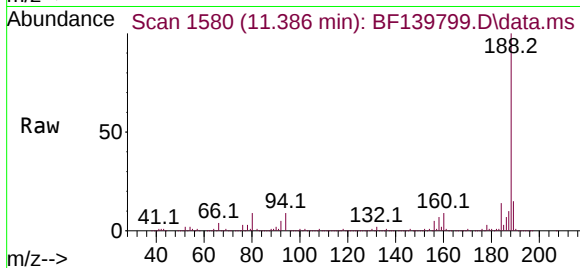
Tgt Ion:188 Resp: 270748

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

80 9.3 8.2 12.2



#71

Phenanthrene

Concen: 27.521 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

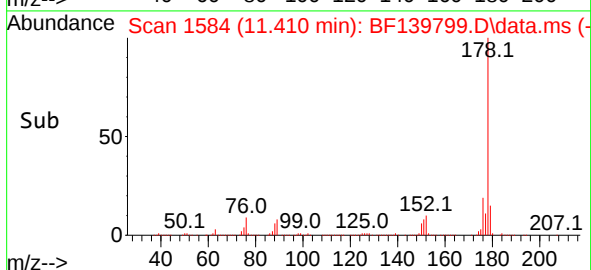
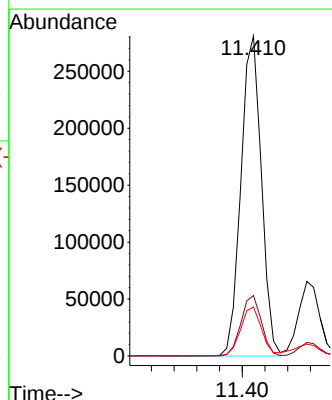
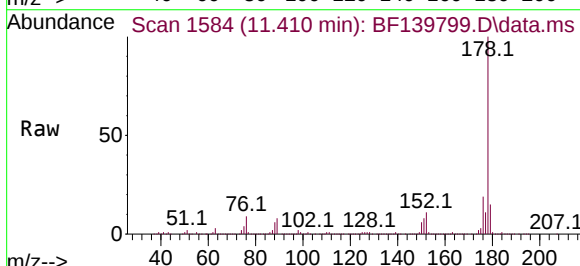
Tgt Ion:178 Resp: 351331

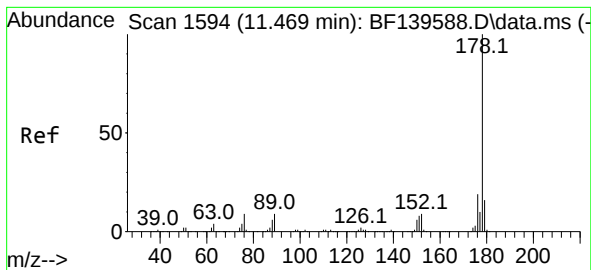
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.3 12.3 18.5





#72

Anthracene

Concen: 6.743 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

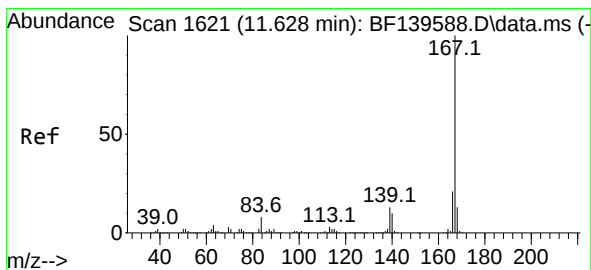
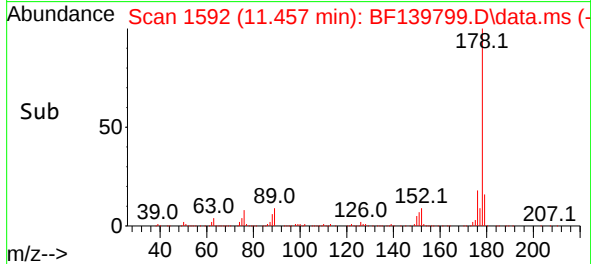
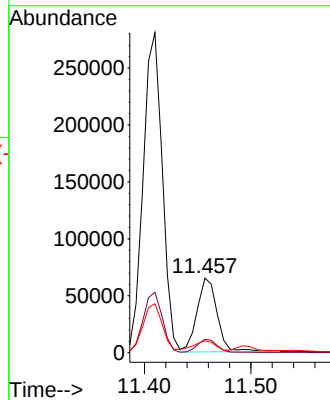
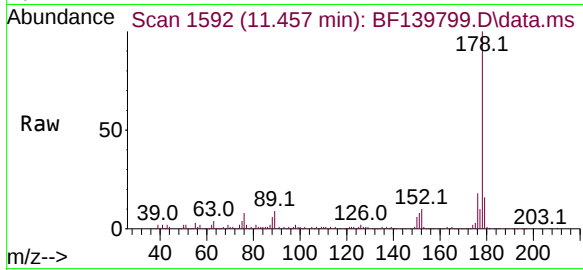
Tgt Ion:178 Resp: 85161

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 16.0 12.5 18.7



#73

Carbazole

Concen: 2.760 ng

RT: 11.616 min Scan# 1619

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

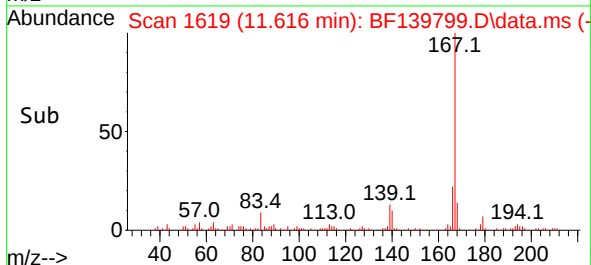
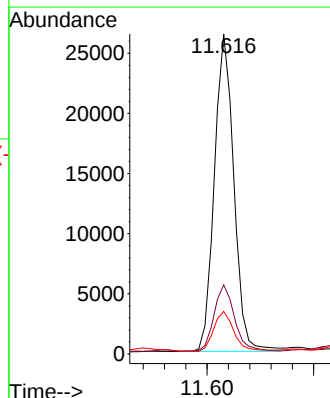
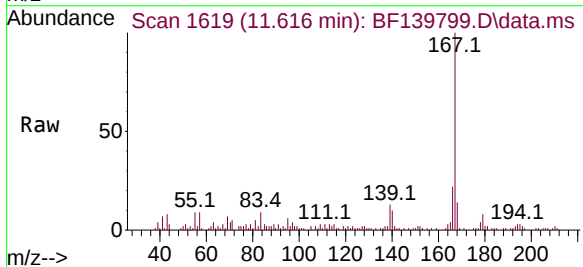
Tgt Ion:167 Resp: 33484

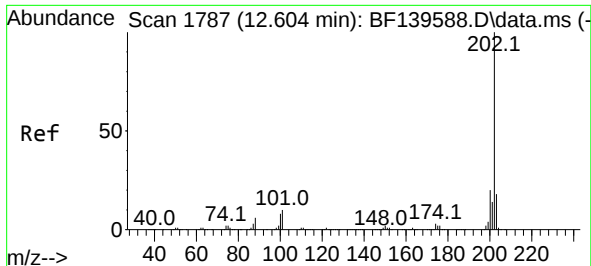
Ion Ratio Lower Upper

167 100

166 21.6 17.2 25.8

139 13.3 10.3 15.5

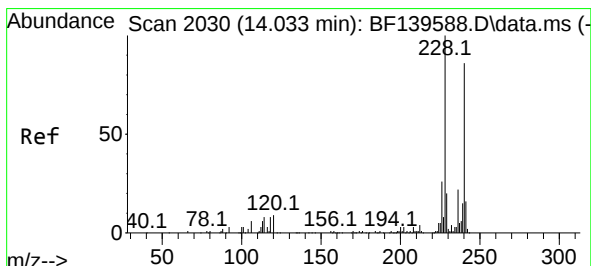
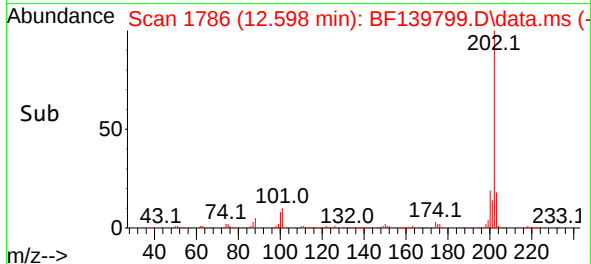
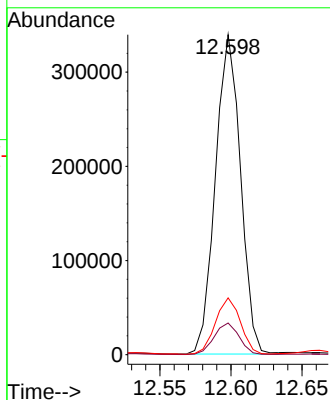
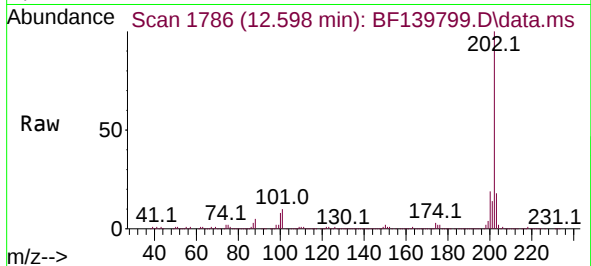




#75
Fluoranthene
Concen: 29.856 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

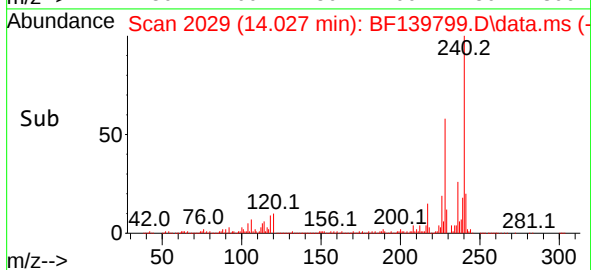
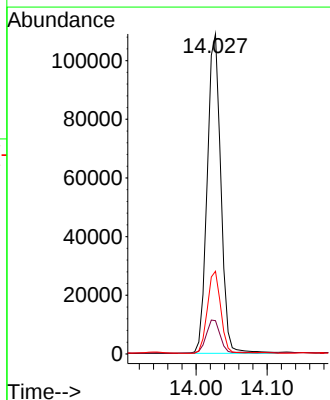
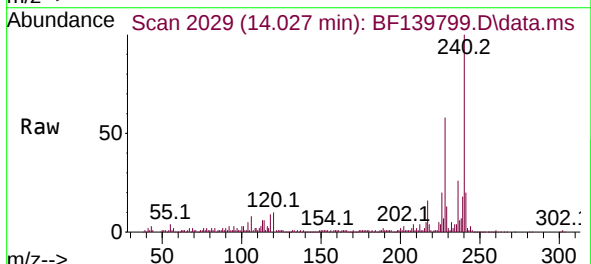
Instrument :
BNA_F
ClientSampleId :
SB-01-1.0-1.5DL

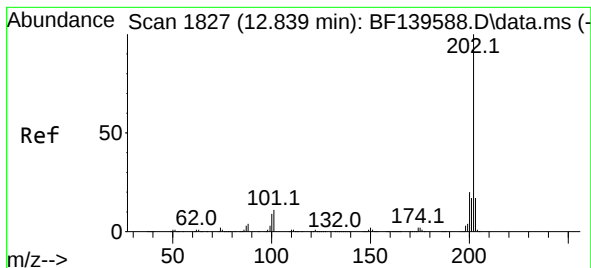
Tgt Ion:202 Resp: 416648
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139799.D
Acq: 14 Oct 2024 20:21

Tgt Ion:240 Resp: 145107
Ion Ratio Lower Upper
240 100
120 10.4 8.4 12.6
236 25.9 20.3 30.5





#78

Pyrene

Concen: 29.368 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

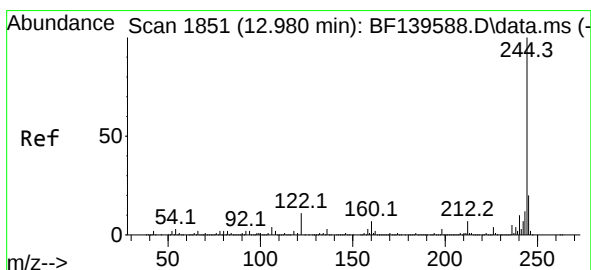
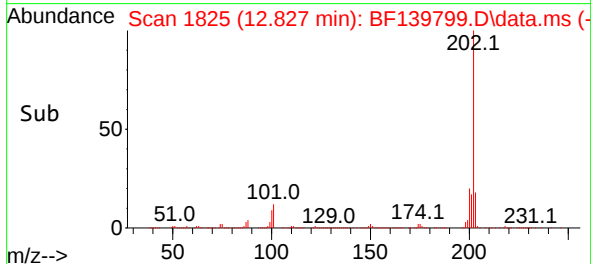
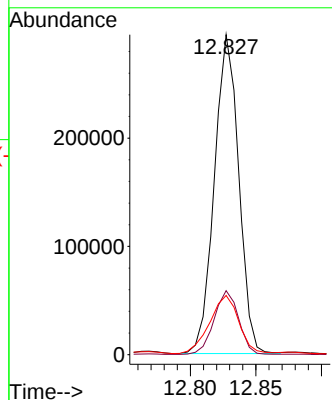
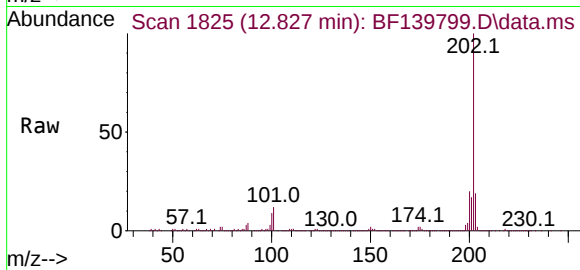
Tgt Ion:202 Resp: 381146

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.6

203 18.5 13.8 20.8



#79

Terphenyl-d14

Concen: 13.381 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.017 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

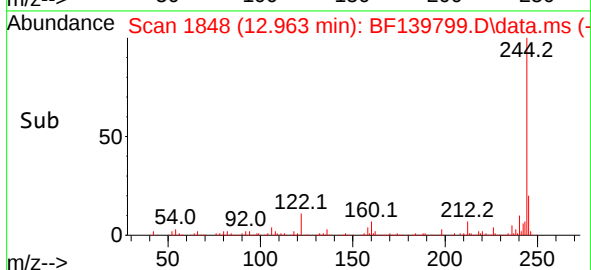
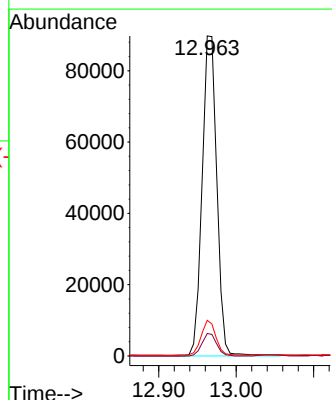
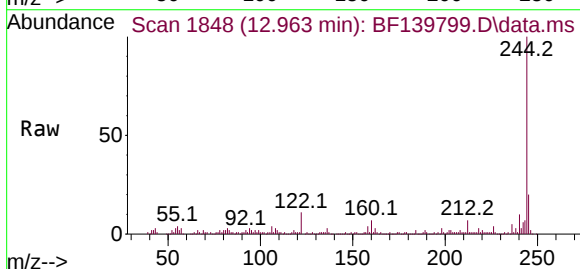
Tgt Ion:244 Resp: 118334

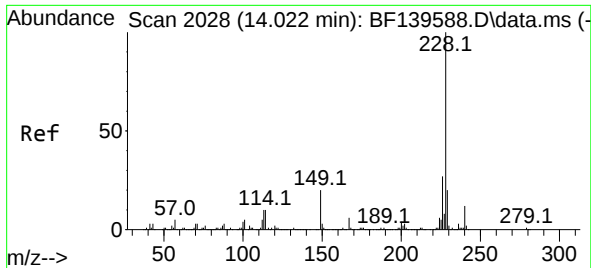
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 11.1 8.6 12.8





#81

Benzo(a)anthracene

Concen: 21.047 ng

RT: 14.015 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

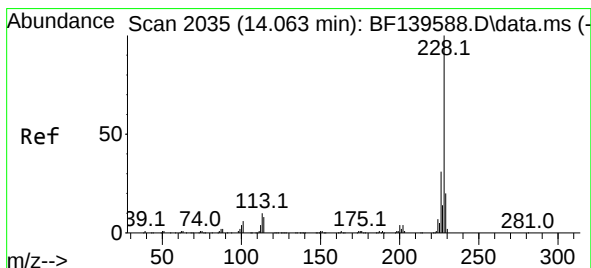
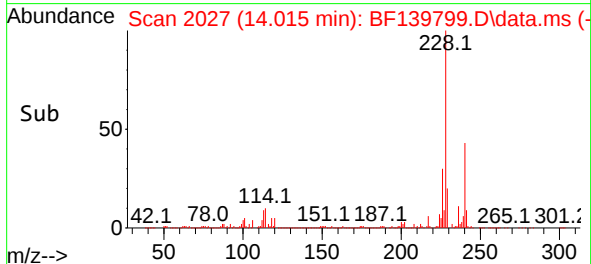
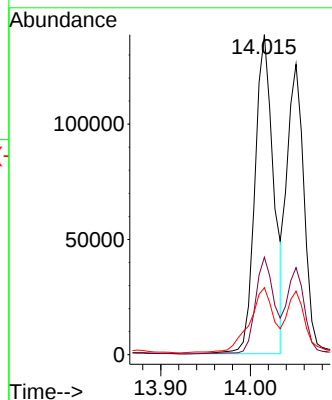
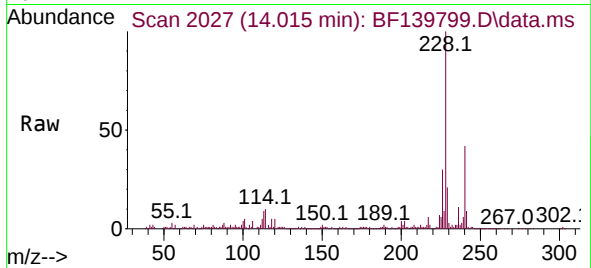
Tgt Ion:228 Resp: 200794

Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.8

229 20.9 15.8 23.8



#83

Chrysene

Concen: 18.845 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

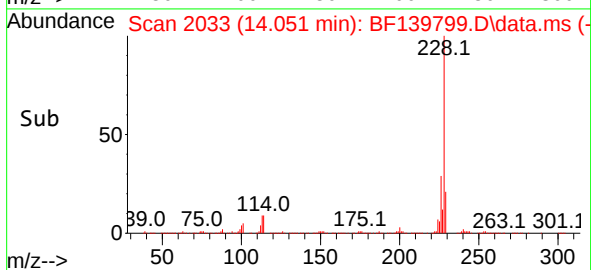
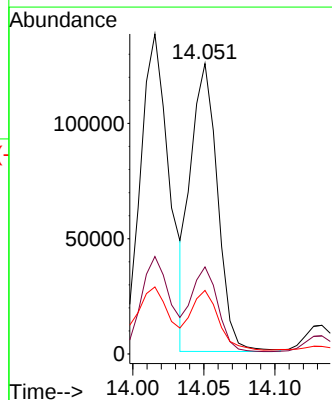
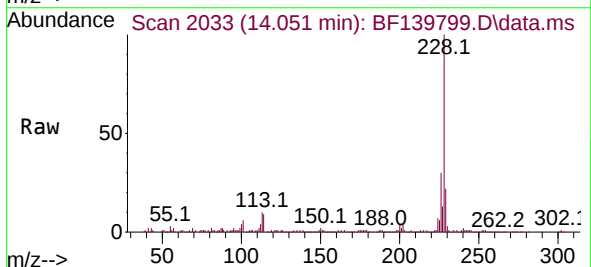
Tgt Ion:228 Resp: 164366

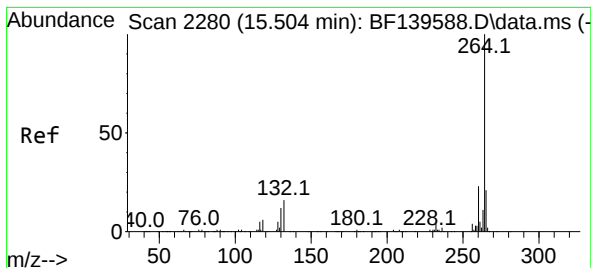
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

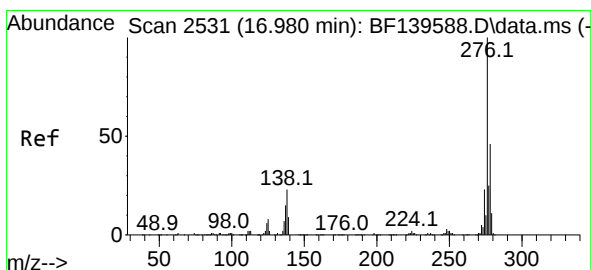
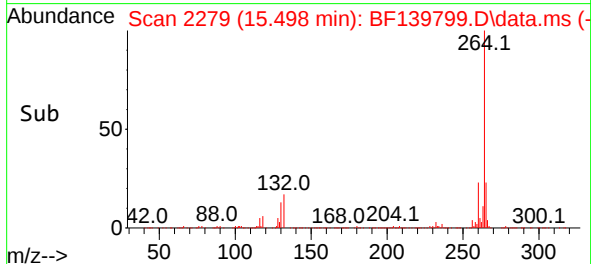
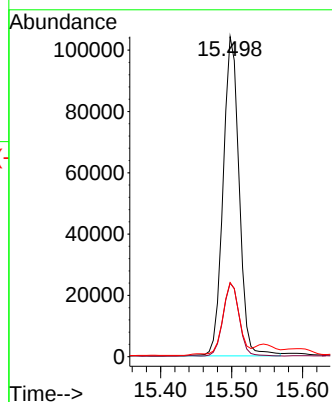
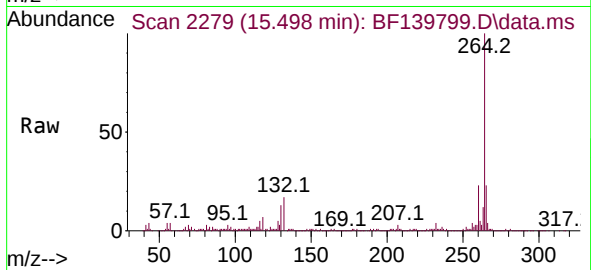
Tgt Ion:264 Resp: 163152

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 23.1 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.393 ng

RT: 16.968 min Scan# 2529

Delta R.T. -0.012 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

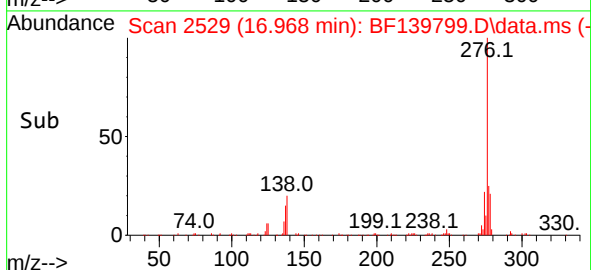
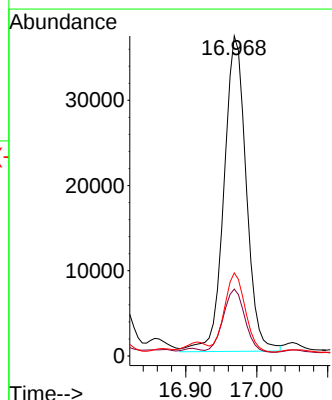
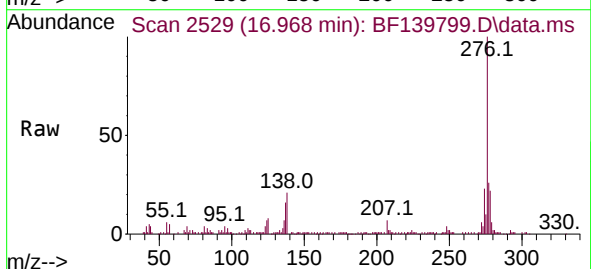
Tgt Ion:276 Resp: 80596

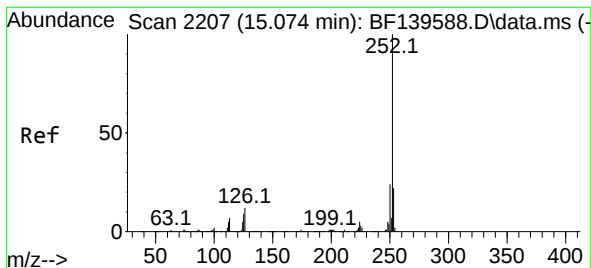
Ion Ratio Lower Upper

276 100

138 19.4 19.4 29.0

277 23.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 29.024 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

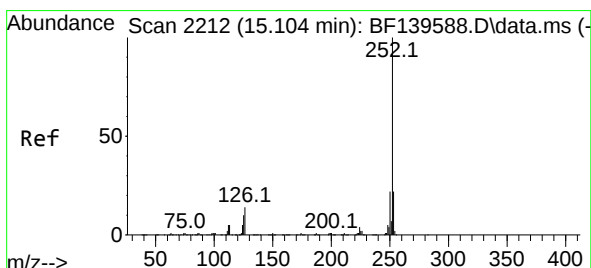
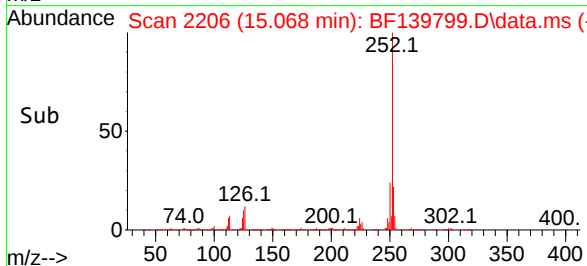
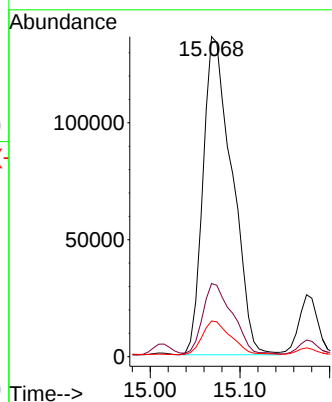
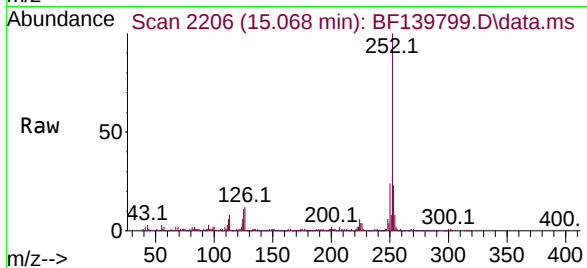
Tgt Ion:252 Resp: 306176

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.2 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 34.215 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.035 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

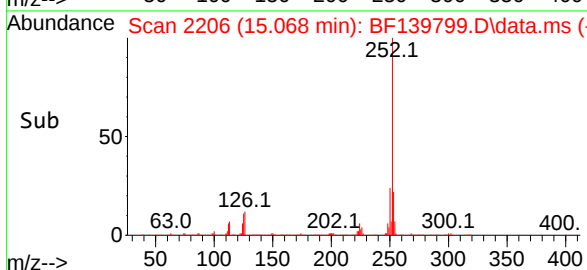
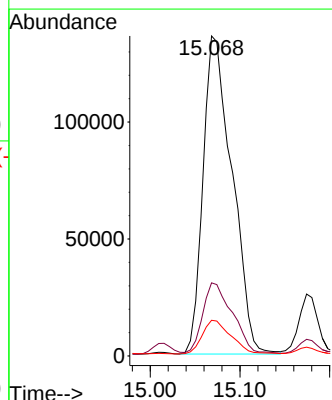
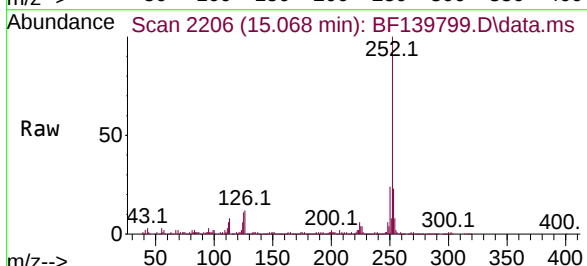
Tgt Ion:252 Resp: 306176

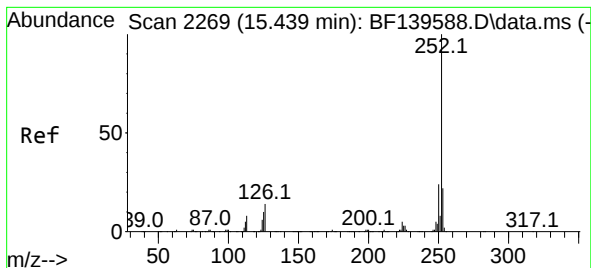
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.2 7.6 11.4





#90

Benzo(a)pyrene

Concen: 18.978 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL

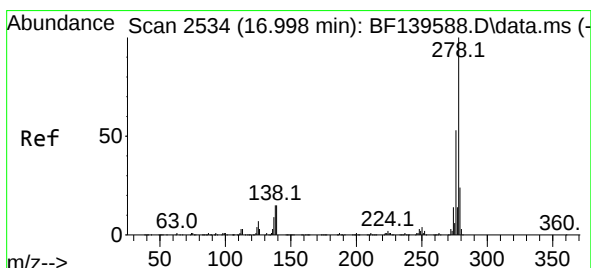
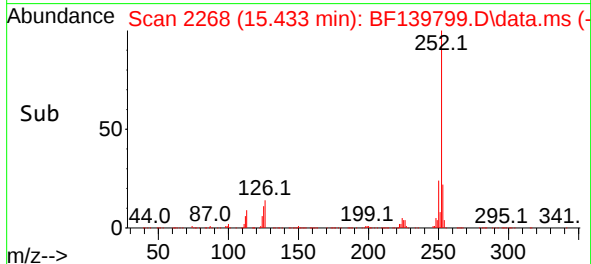
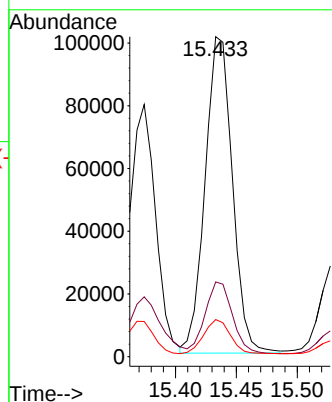
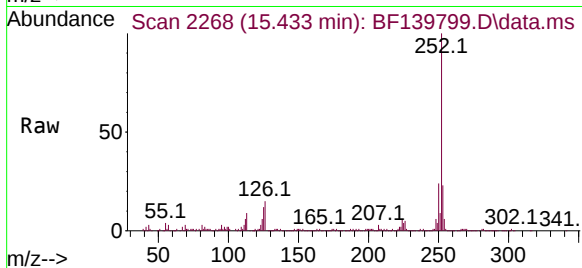
Tgt Ion:252 Resp: 157861

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 11.6 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 2.586 ng

RT: 16.974 min Scan# 2530

Delta R.T. -0.024 min

Lab File: BF139799.D

Acq: 14 Oct 2024 20:21

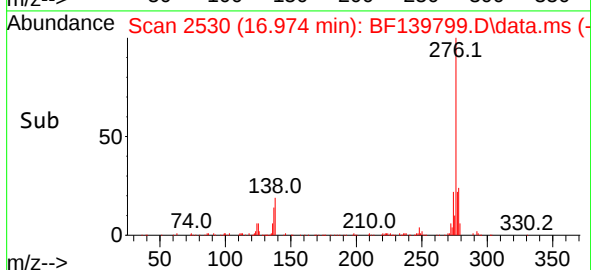
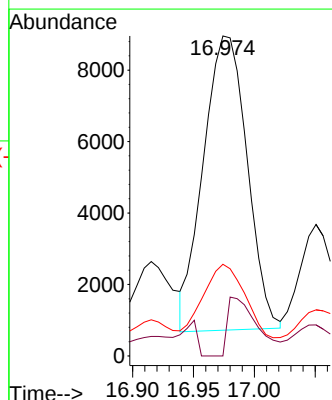
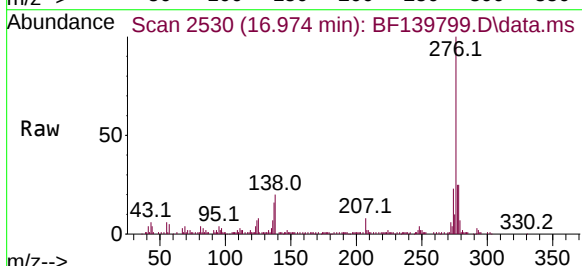
Tgt Ion:278 Resp: 20597

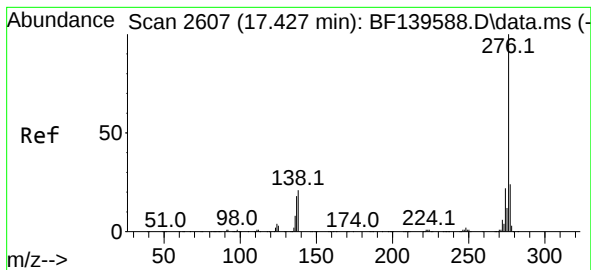
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

279 28.7 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 9.948 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF139799.D

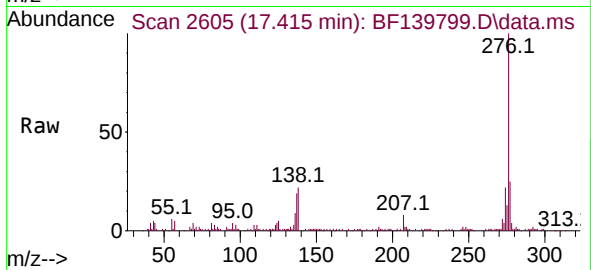
Acq: 14 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

SB-01-1.0-1.5DL



Tgt Ion:276 Resp: 79461

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.6

138 22.2 17.0 25.6

