

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143939.D
 Acq On : 13 Oct 2025 18:30
 Operator : RC/JU
 Sample : Q3323-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-03-0-2

Quant Time: Oct 14 01:29:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

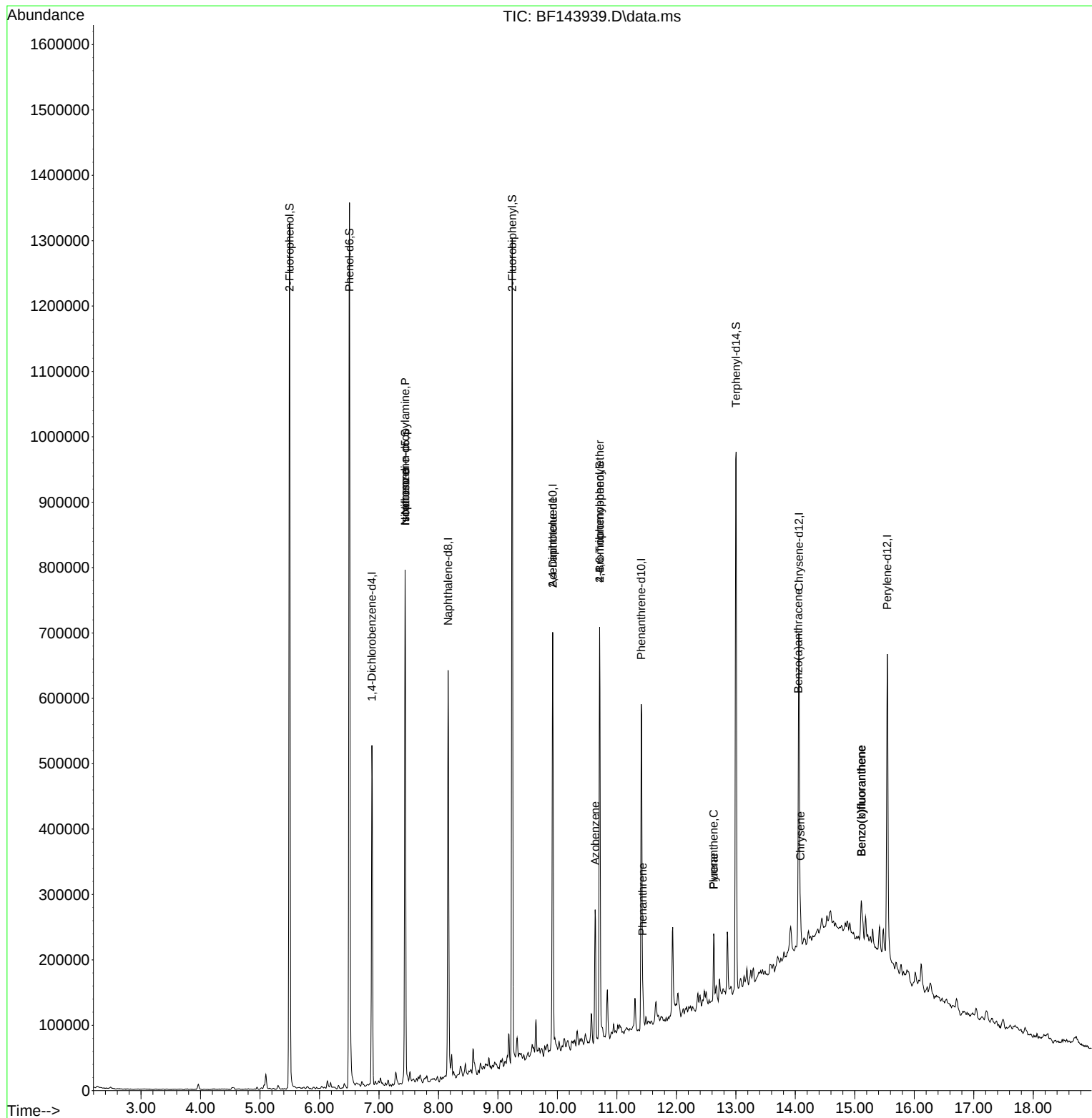
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	105702	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	380784	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	194972	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	272542	20.000	ng	# 0.00
76) Chrysene-d12	14.062	240	233050	20.000	ng	0.00
86) Perylene-d12	15.545	264	302615	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	509275	76.510	ng	0.00
7) Phenol-d6	6.504	99	603049	76.007	ng	-0.01
23) Nitrobenzene-d5	7.439	82	326774	52.137	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	115036	59.237	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	591539	48.141	ng	-0.01
79) Terphenyl-d14	13.004	244	453597	33.265	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	49345	9.086	ng	# 80
25) Isophorone	7.439	82	283468	21.450	ng	# 68
57) 2,4-Dinitrotoluene	9.922	165	26751	8.563	ng	# 27
63) Azobenzene	10.633	77	53329	4.436	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	7592	2.521	ng	# 1
71) Phenanthrene	11.433	178	27657	2.093	ng	94
75) Fluoranthene	12.627	202	58843	4.311	ng	97
78) Pyrene	12.627	202	58843	3.029	ng	98
81) Benzo(a)anthracene	14.051	228	33292	2.183	ng	# 82
83) Chrysene	14.086	228	31735	2.248	ng	# 96
88) Benzo(b)fluoranthene	15.109	252	47738	2.746	ng	# 87
89) Benzo(k)fluoranthene	15.109	252	47738	2.968	ng	# 88

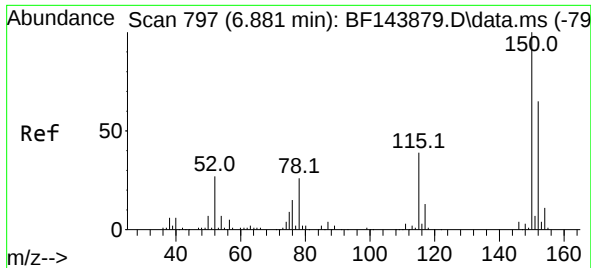
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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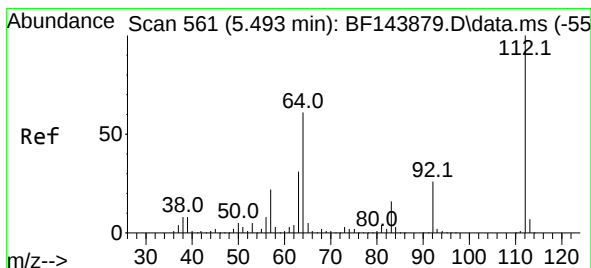
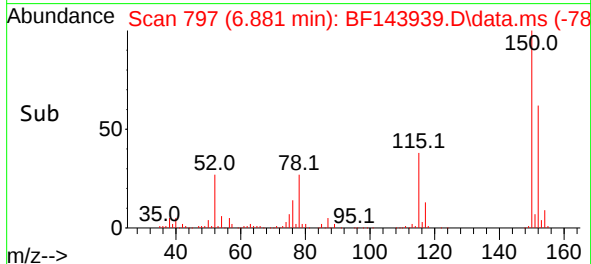
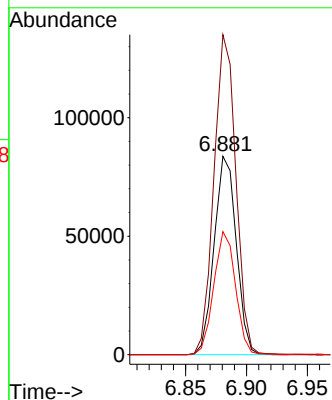
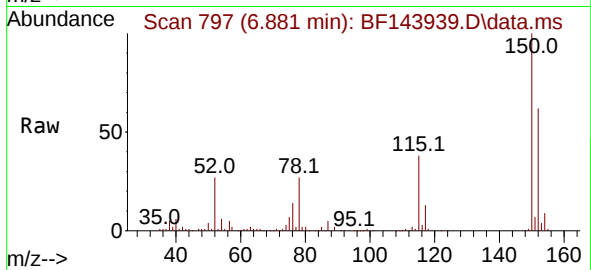




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

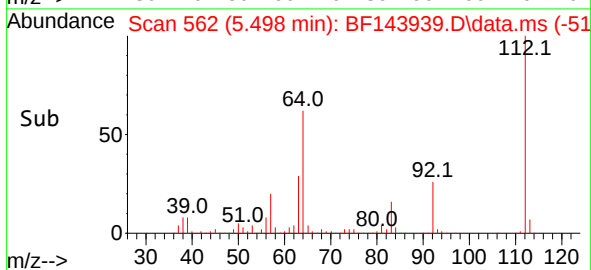
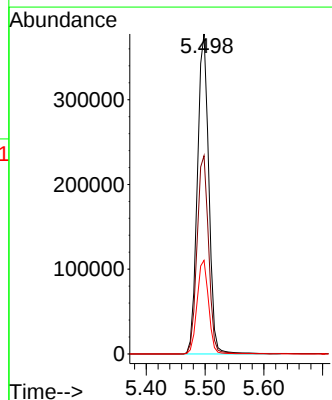
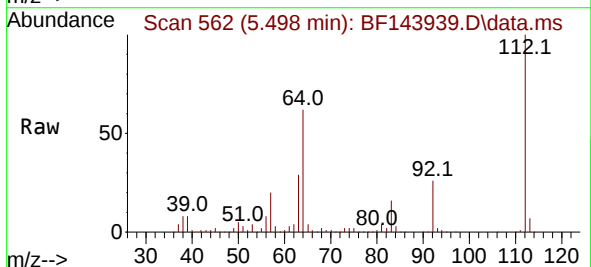
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:152 Resp: 105702
Ion Ratio Lower Upper
152 100
150 161.3 124.4 186.6
115 62.0 48.1 72.1



#5
2-Fluorophenol
Concen: 76.510 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:112 Resp: 509275
Ion Ratio Lower Upper
112 100
64 62.0 49.1 73.7
63 29.2 24.5 36.7

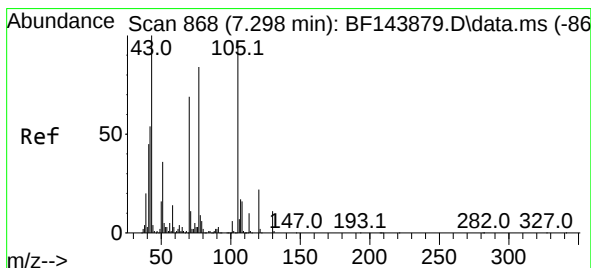
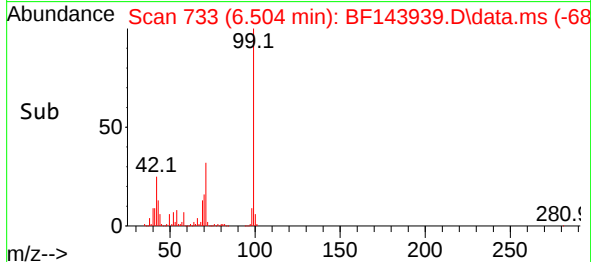
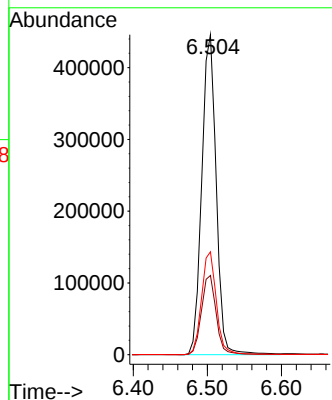
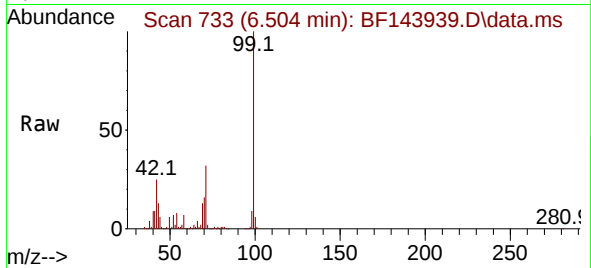




#7
Phenol-d6
Concen: 76.007 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

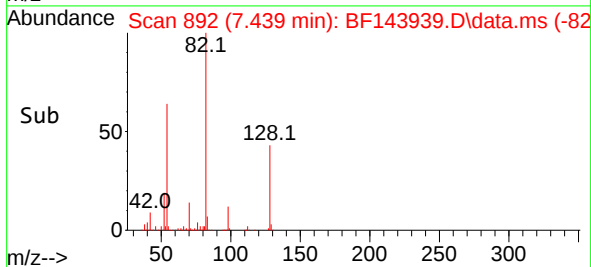
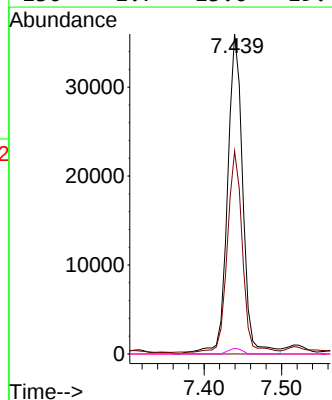
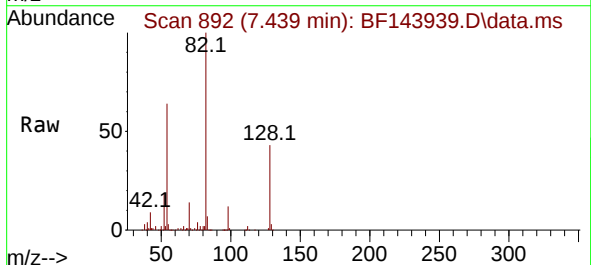
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

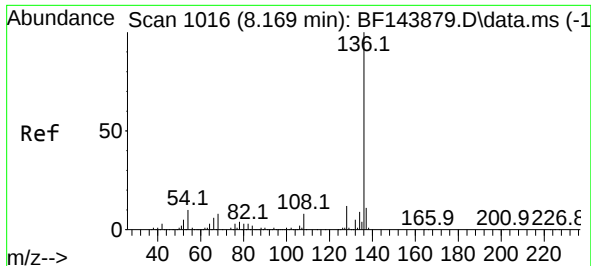
Tgt Ion: 99 Resp: 603049
Ion Ratio Lower Upper
99 100
42 24.7 21.0 31.4
71 32.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.086 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.123 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion: 70 Resp: 49345
Ion Ratio Lower Upper
70 100
42 63.4 62.8 94.2
101 0.0 6.7 10.1#
130 1.7 13.0 19.4#



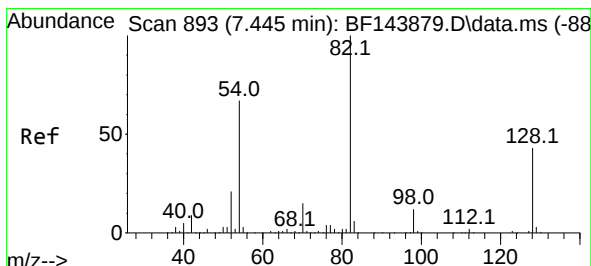
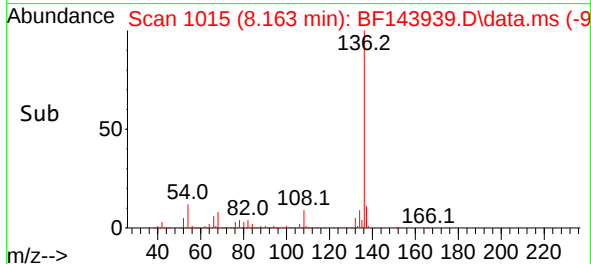
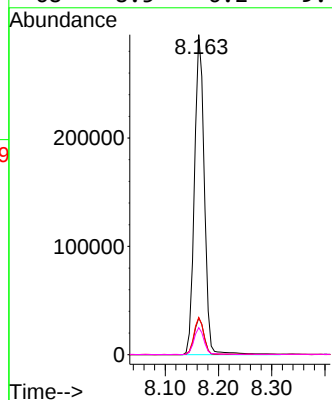
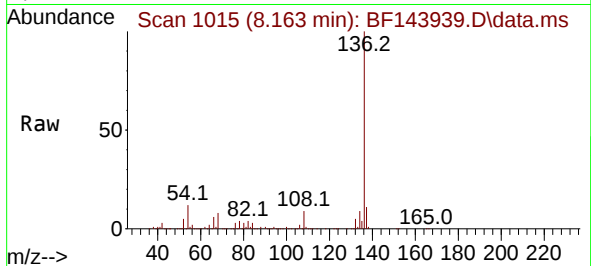


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:136 Resp: 380784

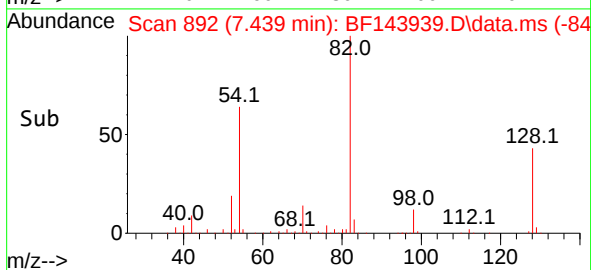
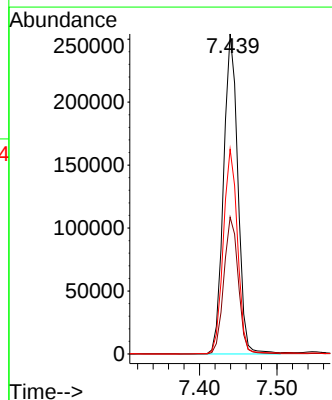
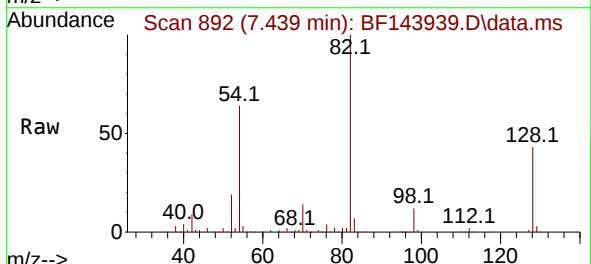
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	11.7	8.2	12.4
68	8.5	6.2	9.4

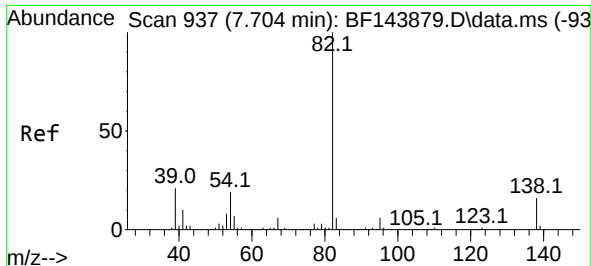


#23
Nitrobenzene-d5
Concen: 52.137 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion: 82 Resp: 326774

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.0	53.2	79.8

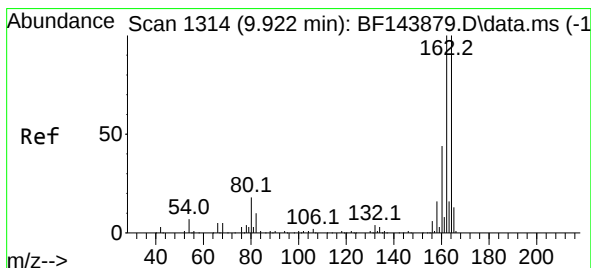
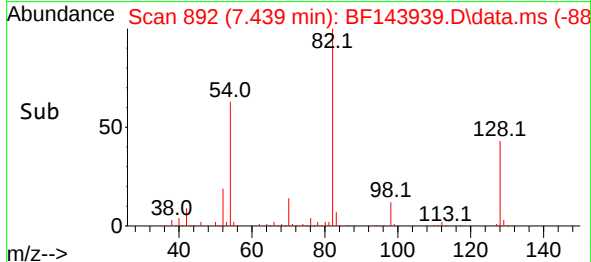
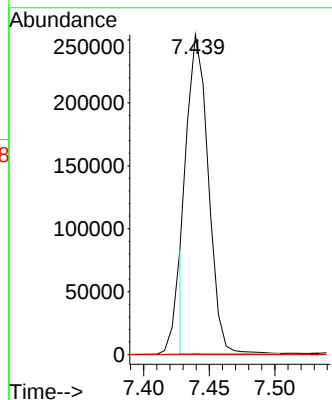
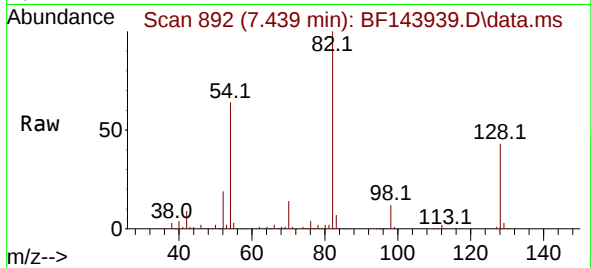




#25
Isophorone
Concen: 21.450 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

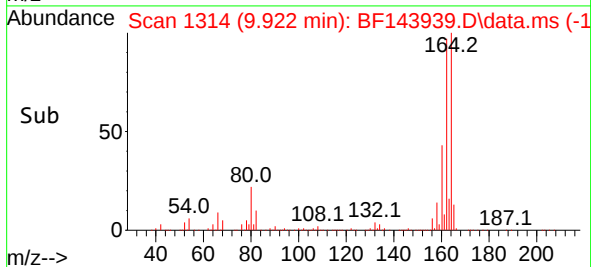
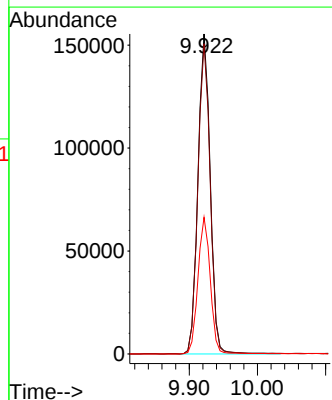
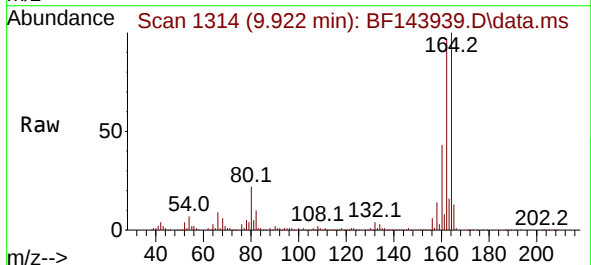
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

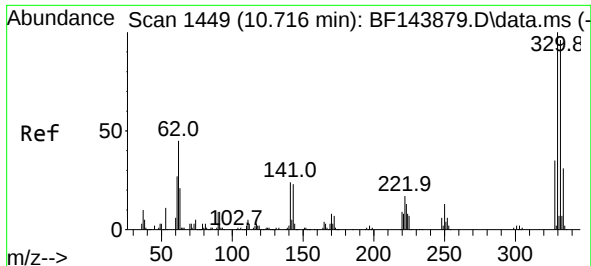
Tgt Ion: 82 Resp: 283468
Ion Ratio Lower Upper
82 100
95 0.2 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:164 Resp: 194972
Ion Ratio Lower Upper
164 100
162 97.0 80.2 120.2
160 42.7 35.4 53.0

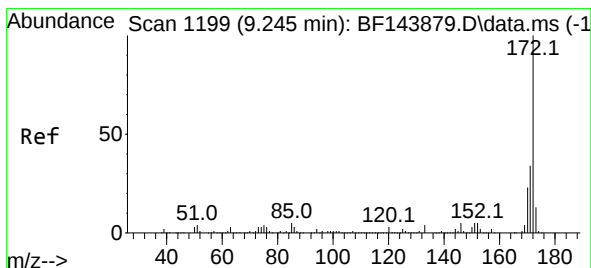
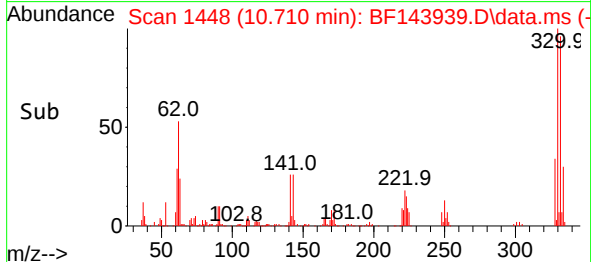
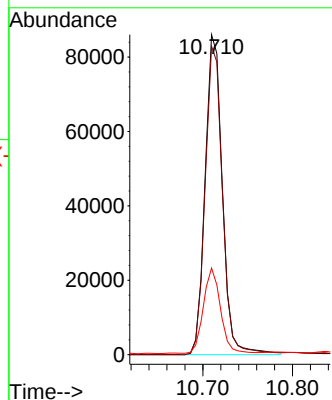
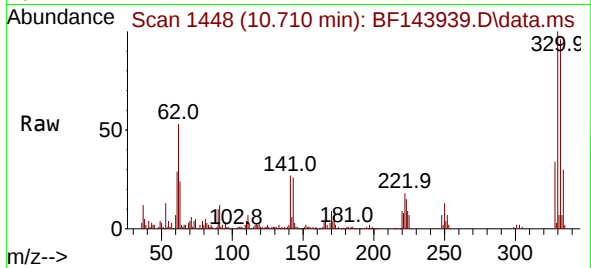




#42
2,4,6-Tribromophenol
Concen: 59.237 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

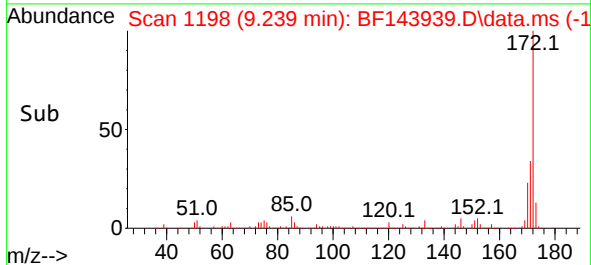
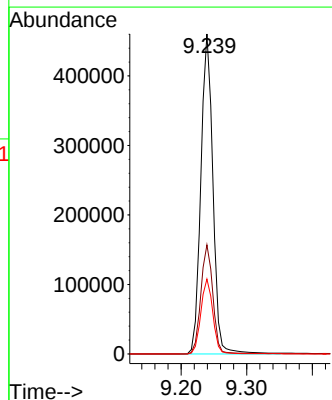
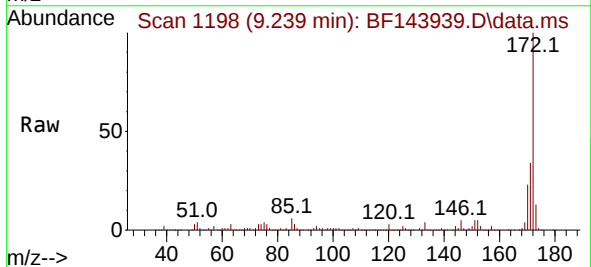
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

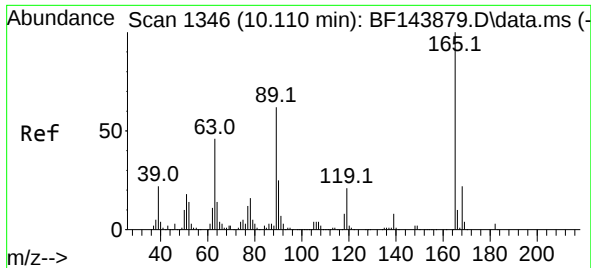
Tgt Ion:330 Resp: 115036
Ion Ratio Lower Upper
330 100
332 97.7 76.9 115.3
141 26.2 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 48.141 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

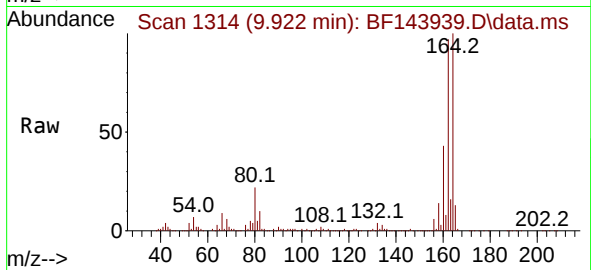
Tgt Ion:172 Resp: 591539
Ion Ratio Lower Upper
172 100
171 34.1 27.4 41.0
170 23.4 18.6 28.0



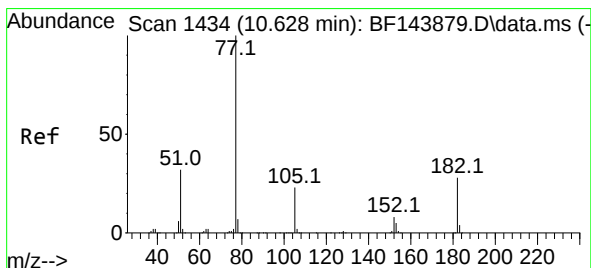
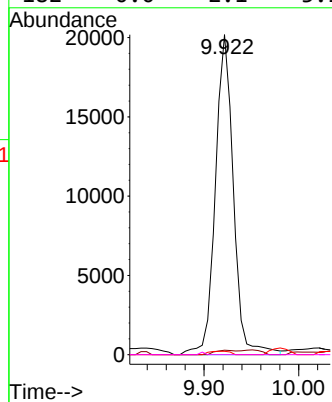
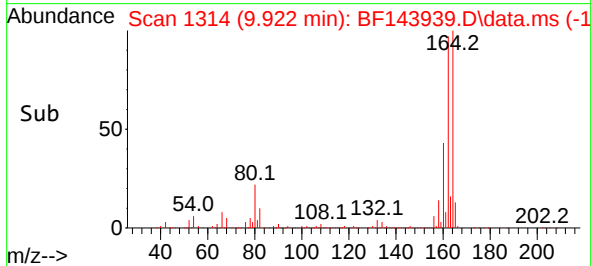


#57
2,4-Dinitrotoluene
Concen: 8.563 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

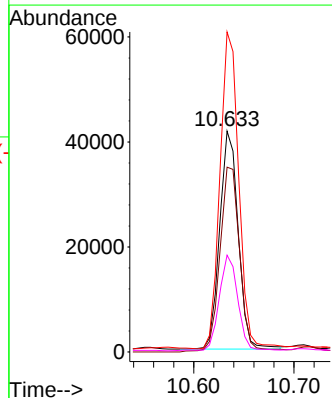
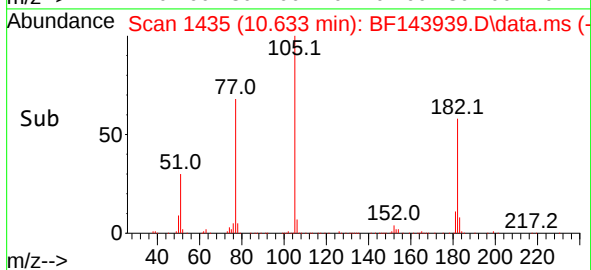
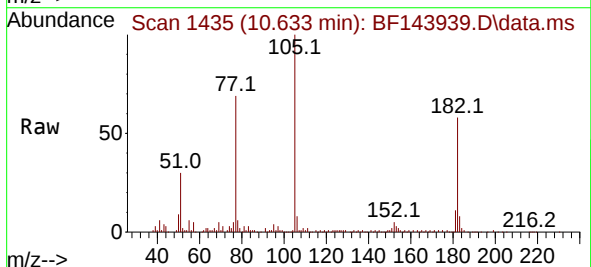


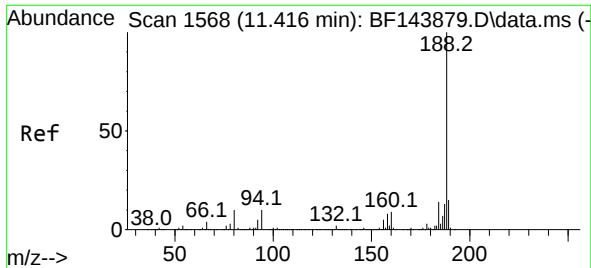
Tgt Ion:165 Resp: 26751
Ion Ratio Lower Upper
165 100
63 1.4 37.2 55.8#
89 1.0 49.4 74.2#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 4.436 ng
RT: 10.633 min Scan# 1435
Delta R.T. -0.000 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion: 77 Resp: 53329
Ion Ratio Lower Upper
77 100
182 83.7 7.3 47.3#
105 144.9 3.0 43.0#
51 43.8 13.5 53.5

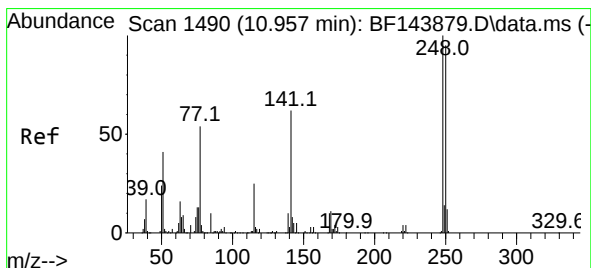
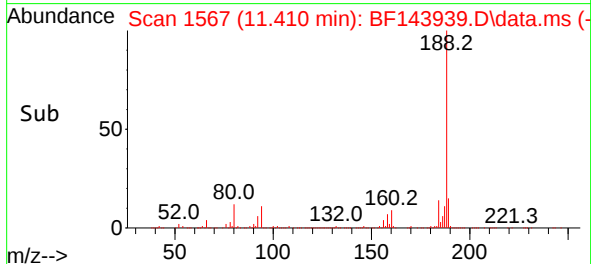
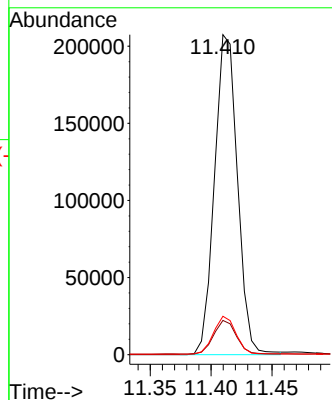
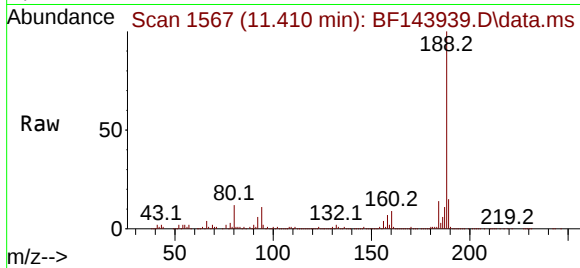




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

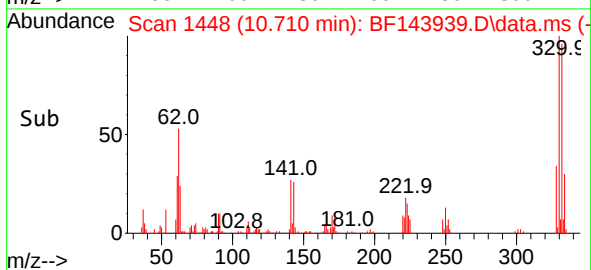
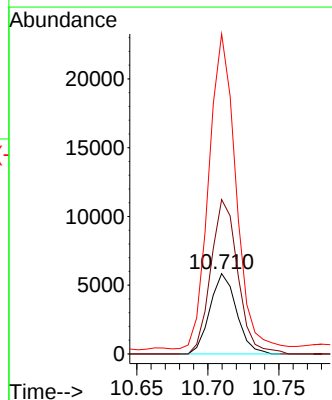
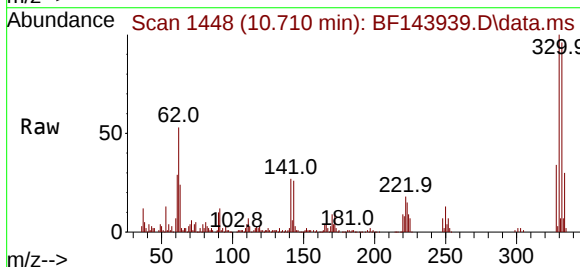
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

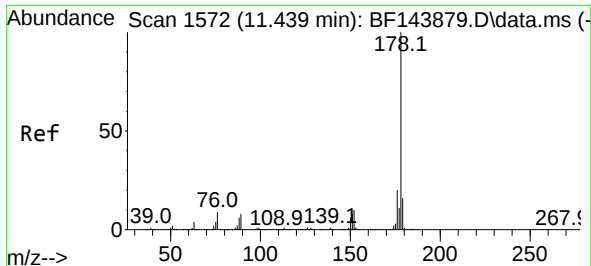
Tgt Ion:188 Resp: 272542
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 12.0 7.9 11.9#



#67
4-Bromophenyl-phenylether
Concen: 2.521 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:248 Resp: 7592
Ion Ratio Lower Upper
248 100
250 192.3 76.3 114.5#
141 398.5 49.7 74.5#

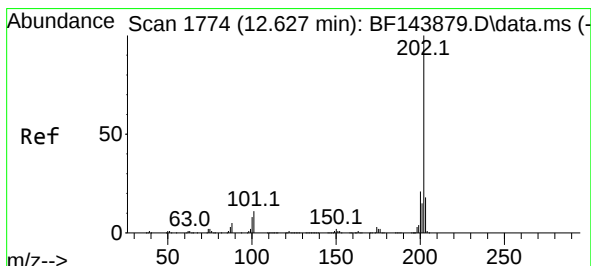
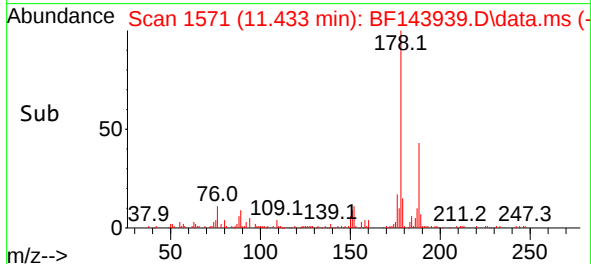
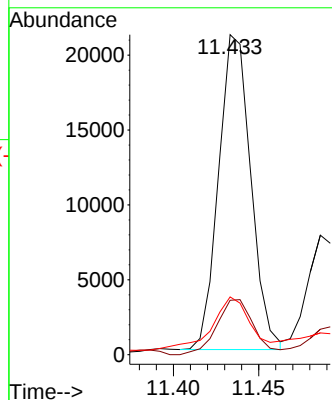
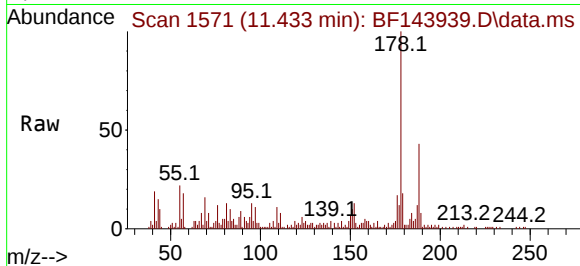




#71
Phenanthrene
Concen: 2.093 ng
RT: 11.433 min Scan# 11433
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

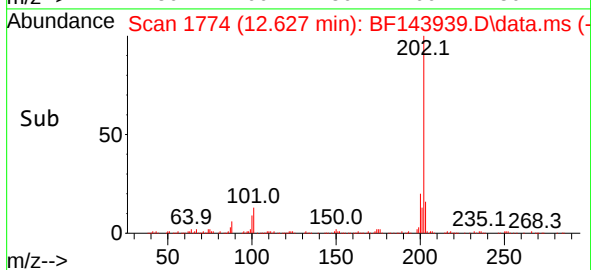
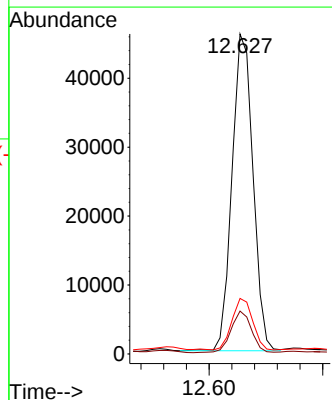
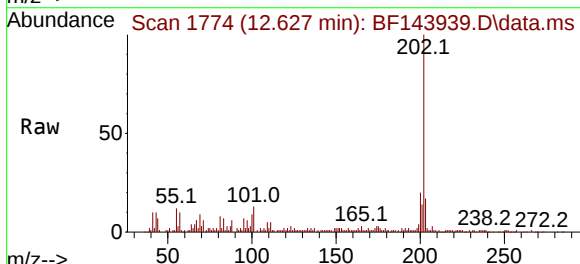
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

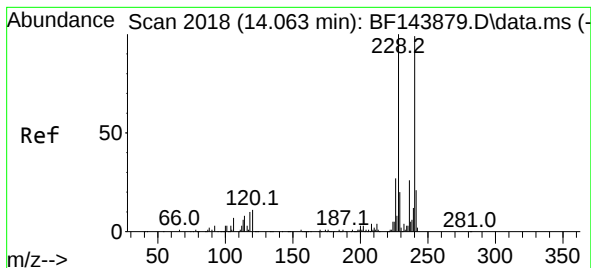
Tgt Ion:178 Resp: 27657
Ion Ratio Lower Upper
178 100
176 17.0 15.9 23.9
179 18.1 12.4 18.6



#75
Fluoranthene
Concen: 4.311 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:202 Resp: 58843
Ion Ratio Lower Upper
202 100
101 13.4 0.0 30.7
203 17.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

SED-03-0-2

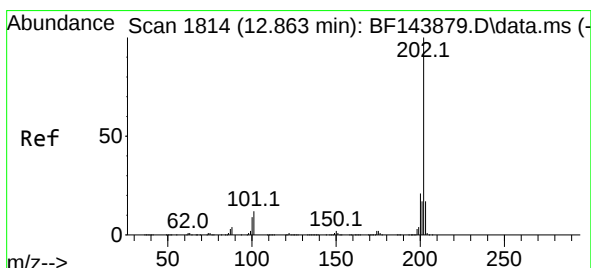
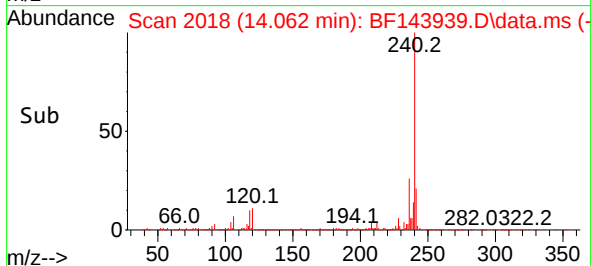
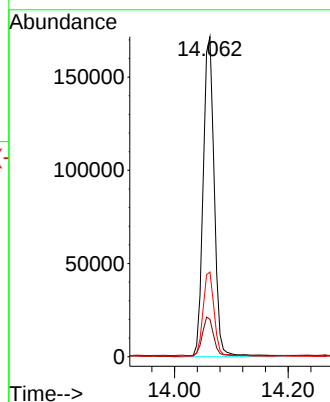
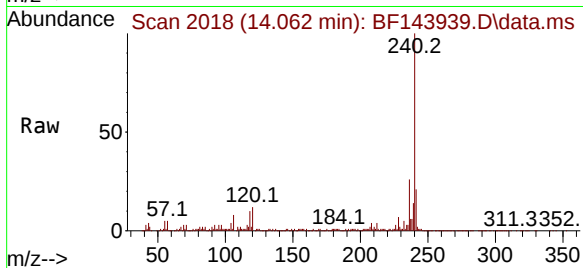
Tgt Ion:240 Resp: 233050

Ion Ratio Lower Upper

240 100

120 11.7 8.6 13.0

236 26.4 21.1 31.7



#78

Pyrene

Concen: 3.029 ng

RT: 12.627 min Scan# 1774

Delta R.T. -0.235 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

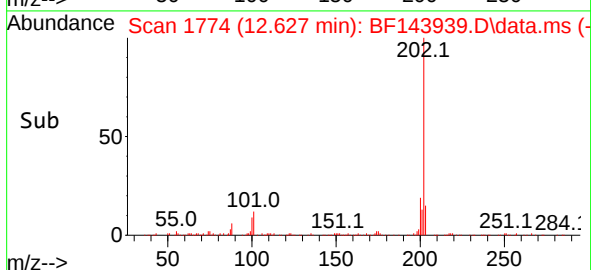
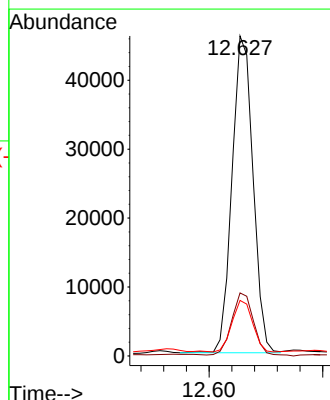
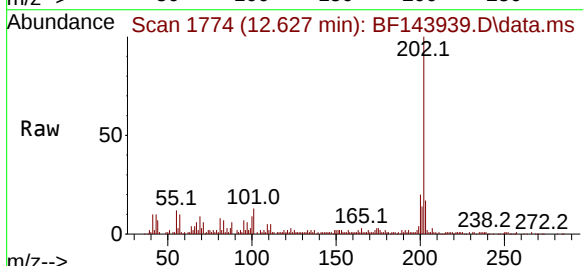
Tgt Ion:202 Resp: 58843

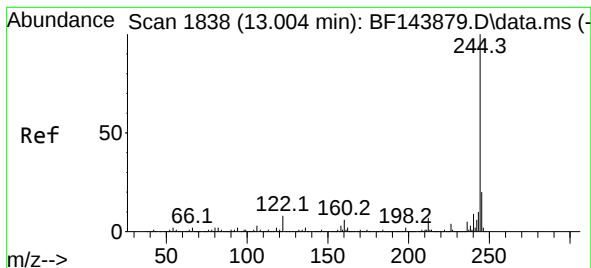
Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.6

203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 33.265 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

SED-03-0-2

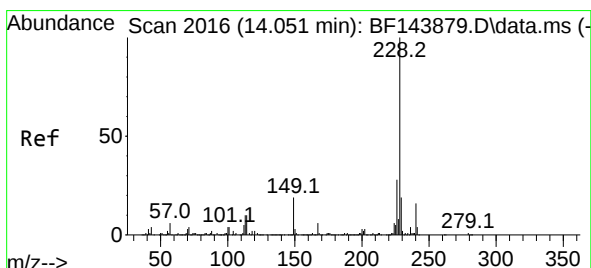
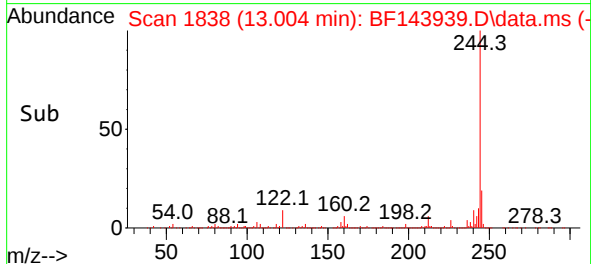
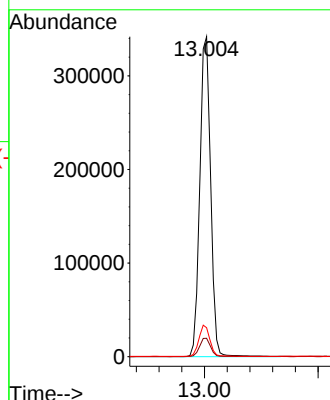
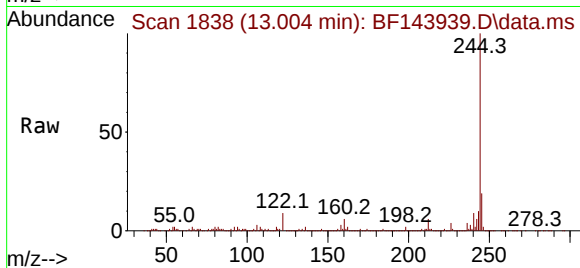
Tgt Ion:244 Resp: 453597

Ion Ratio Lower Upper

244 100

212 5.7 5.4 8.0

122 9.1 6.4 9.6



#81

Benzo(a)anthracene

Concen: 2.183 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

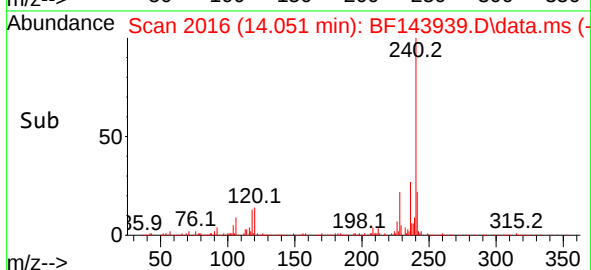
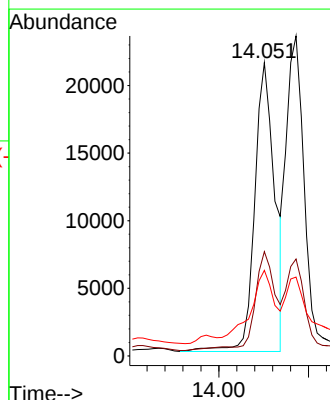
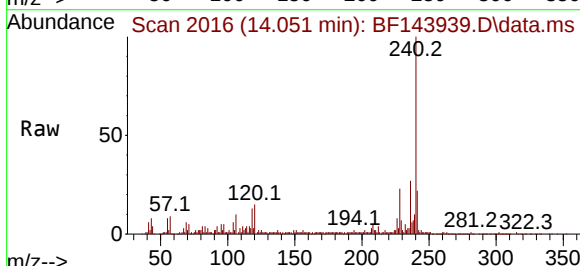
Tgt Ion:228 Resp: 33292

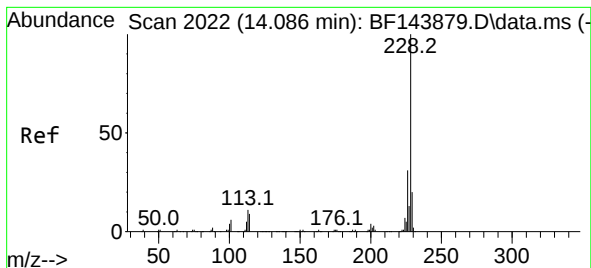
Ion Ratio Lower Upper

228 100

226 35.6 22.2 33.2#

229 29.2 15.6 23.4#





#83

Chrysene

Concen: 2.248 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

SED-03-0-2

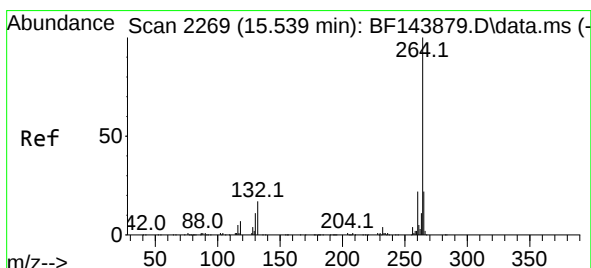
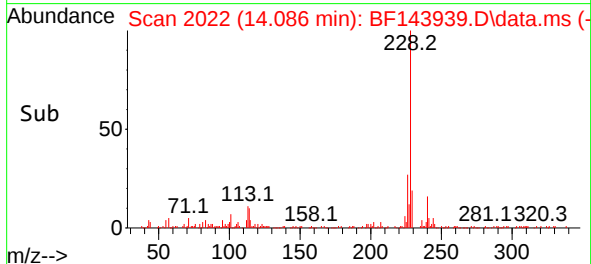
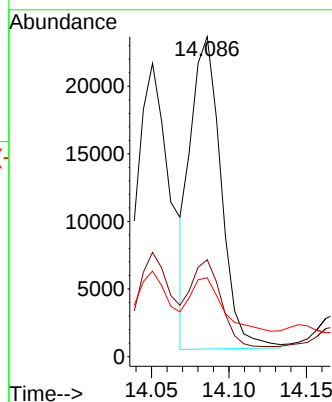
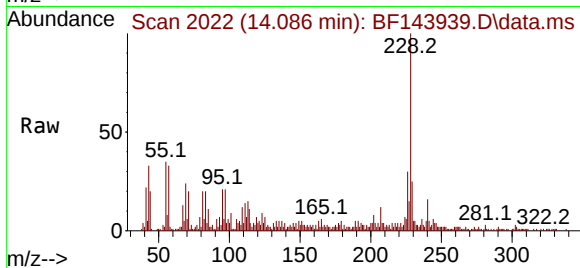
Tgt Ion:228 Resp: 31735

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 24.6 15.9 23.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

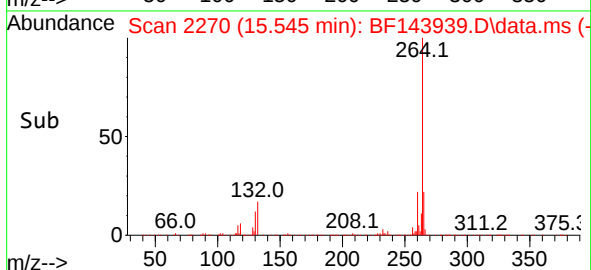
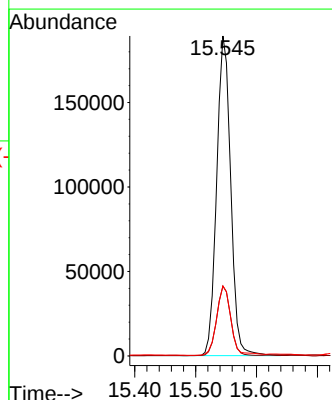
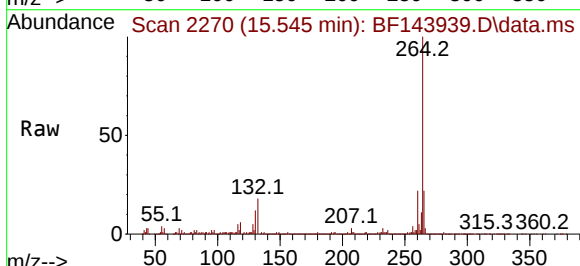
Tgt Ion:264 Resp: 302615

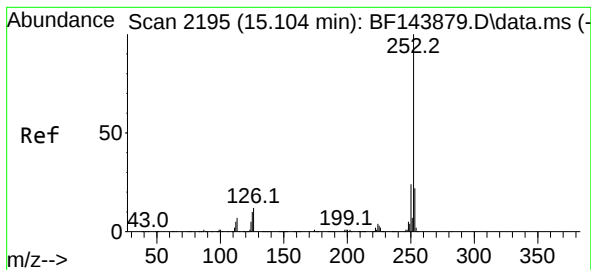
Ion Ratio Lower Upper

264 100

260 21.8 17.8 26.8

265 21.9 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.746 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

SED-03-0-2

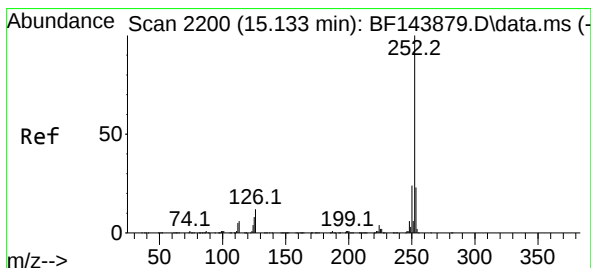
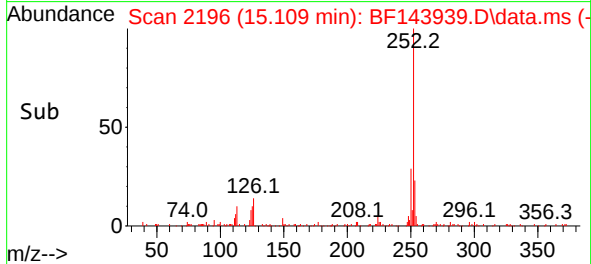
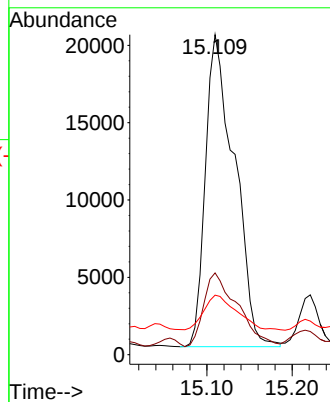
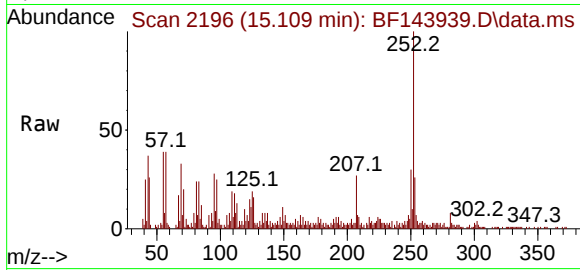
Tgt Ion:252 Resp: 47738

Ion Ratio Lower Upper

252 100

253 25.5 17.4 26.2

125 18.6 7.8 11.6#



#89

Benzo(k)fluoranthene

Concen: 2.968 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Tgt Ion:252 Resp: 47738

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

125 18.6 7.4 11.2#

