

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143934.D
 Acq On : 13 Oct 2025 16:05
 Operator : RC/JU
 Sample : Q3323-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-04-0-2

Quant Time: Oct 13 17:20:38 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)

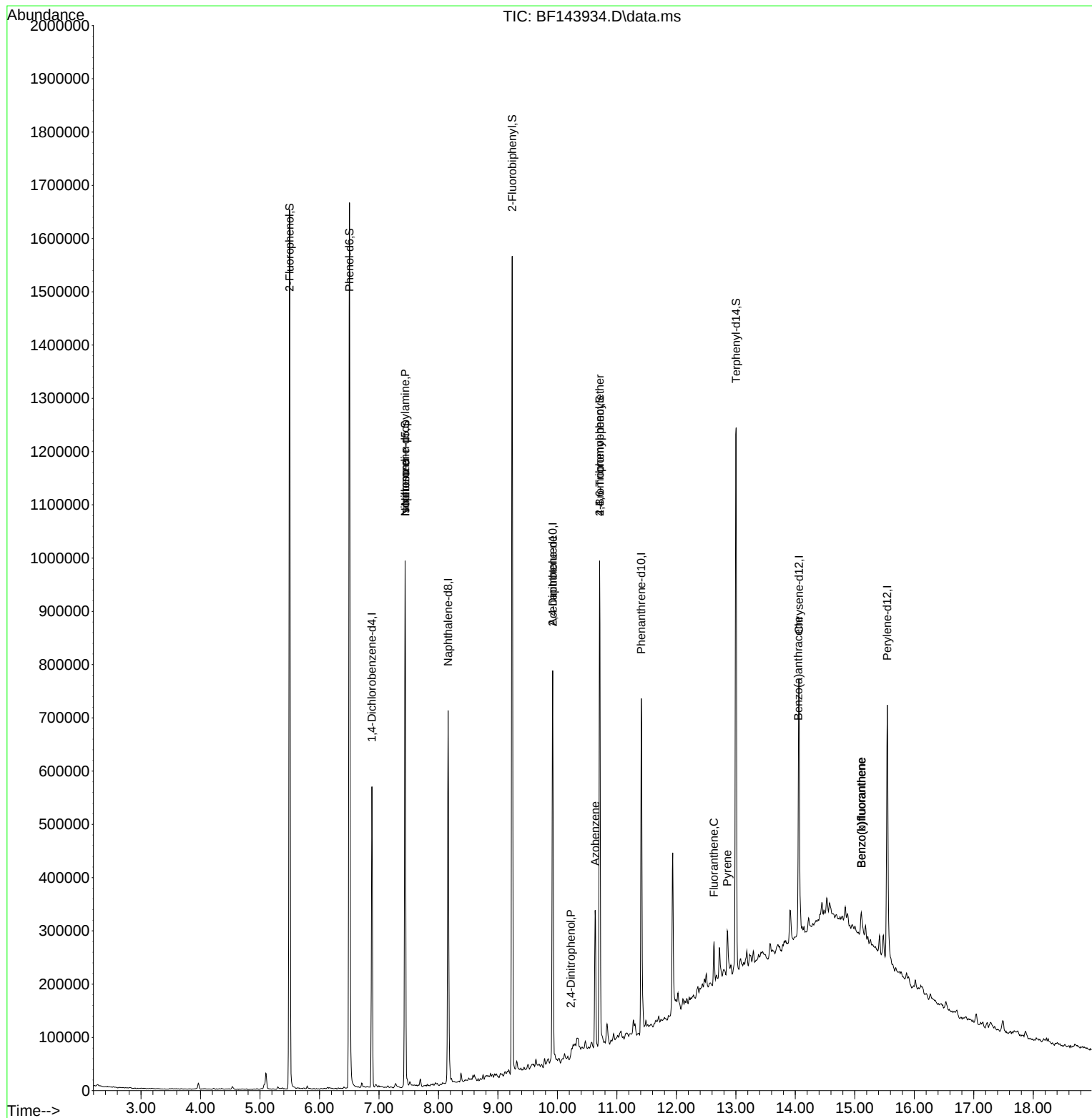
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113226	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	427226	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	219740	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	335261	20.000	ng	0.00
76) Chrysene-d12	14.063	240	243631	20.000	ng	0.00
86) Perylene-d12	15.545	264	311711	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	626359	87.846	ng	0.00
7) Phenol-d6	6.504	99	752882	88.586	ng	-0.01
23) Nitrobenzene-d5	7.440	82	409132	58.182	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	174794	79.864	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	720409	52.021	ng	-0.01
79) Terphenyl-d14	13.004	244	555513	38.969	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.440	70	62211	10.694	ng	# 73
25) Isophorone	7.440	82	347113	23.410	ng	# 68
54) 2,4-Dinitrophenol	10.228	184	111	7.004	ng	# 54
57) 2,4-Dinitrotoluene	9.922	165	28096	7.980	ng	# 27
63) Azobenzene	10.634	77	63993	4.723	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10811	2.918	ng	# 1
75) Fluoranthene	12.633	202	39857	2.374	ng	97
78) Pyrene	12.857	202	48664	2.396	ng	97
81) Benzo(a)anthracene	14.051	228	34031	2.134	ng	# 80
88) Benzo(b)fluoranthene	15.110	252	42342	2.365	ng	# 82
89) Benzo(k)fluoranthene	15.110	252	42342	2.556	ng	# 83

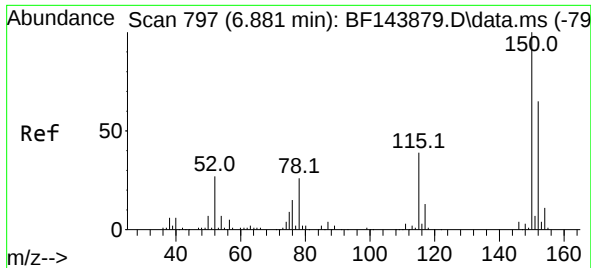
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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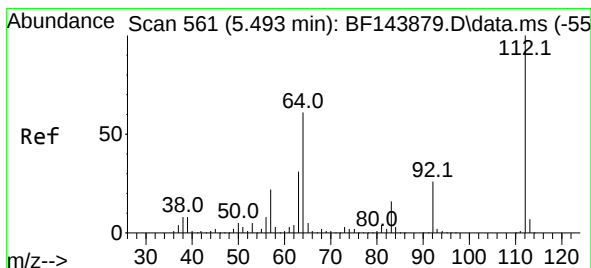
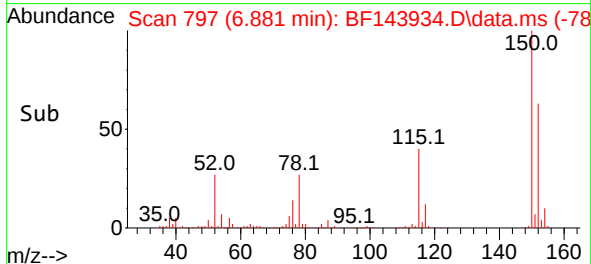
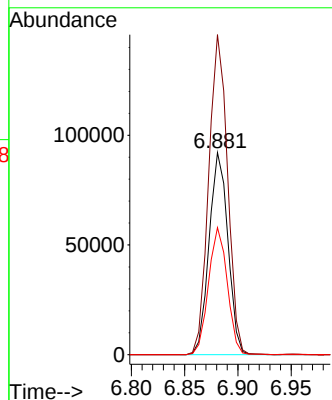
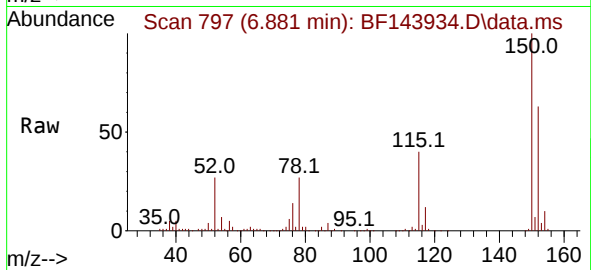




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

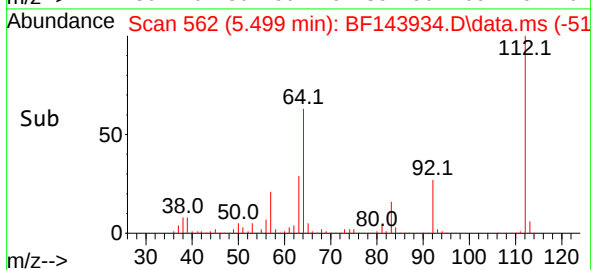
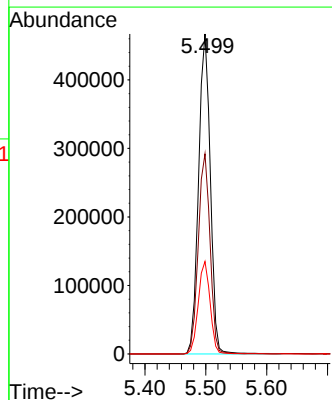
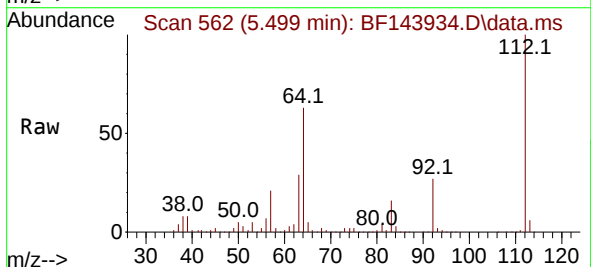
Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:152 Resp: 113226
Ion Ratio Lower Upper
152 100
150 158.3 124.4 186.6
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 87.846 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:112 Resp: 626359
Ion Ratio Lower Upper
112 100
64 62.6 49.1 73.7
63 28.9 24.5 36.7

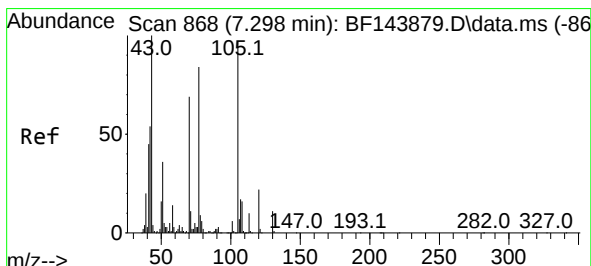
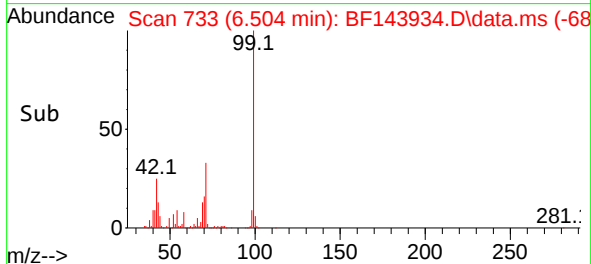
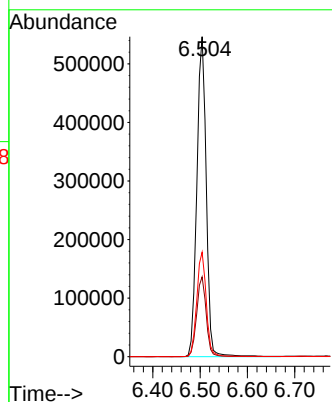
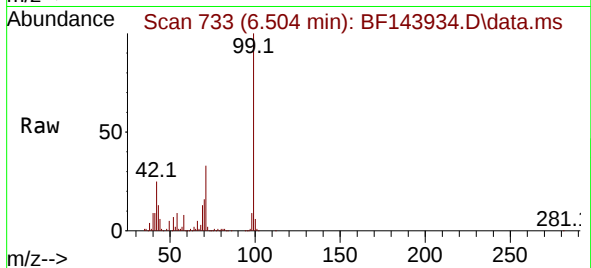




#7
Phenol-d6
Concen: 88.586 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

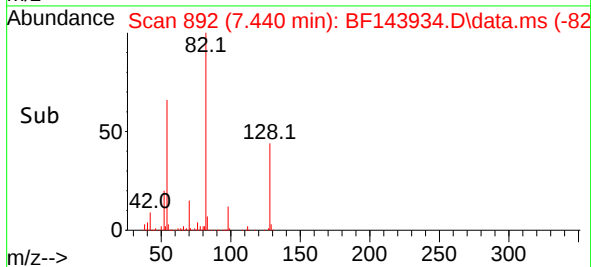
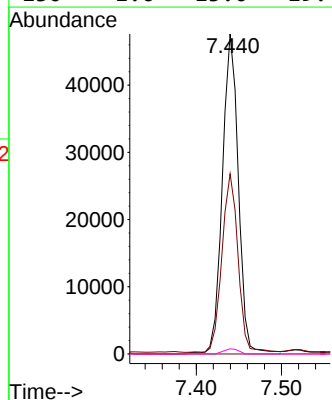
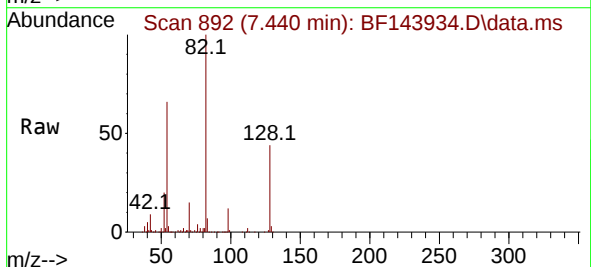
Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

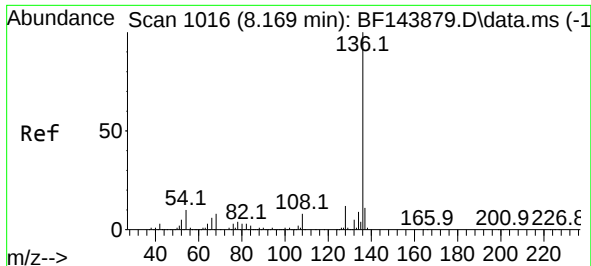
Tgt Ion: 99 Resp: 752882
Ion Ratio Lower Upper
99 100
42 24.9 21.0 31.4
71 32.6 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.694 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion: 70 Resp: 62211
Ion Ratio Lower Upper
70 100
42 56.3 62.8 94.2#
101 0.0 6.7 10.1#
130 1.6 13.0 19.4#



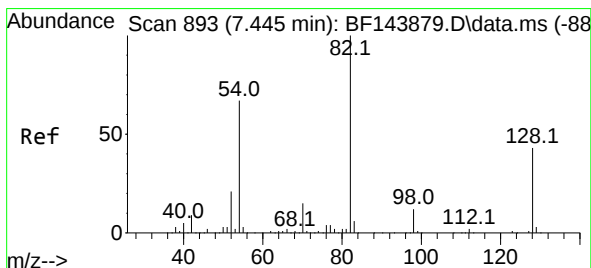
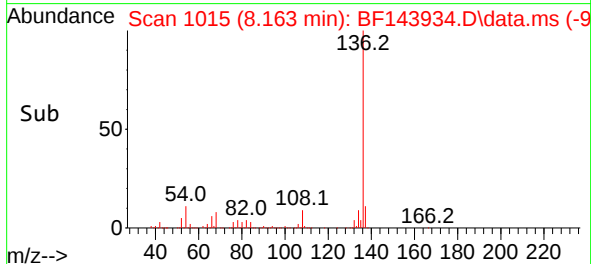
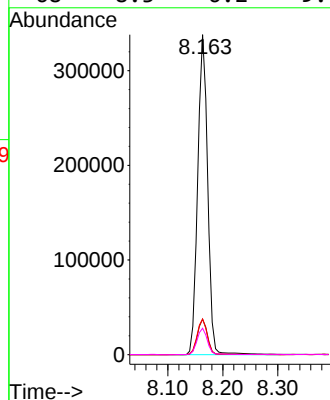
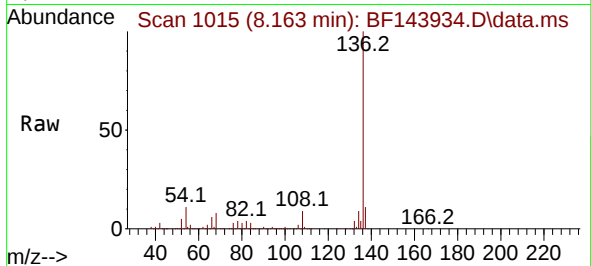


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:136 Resp: 427226

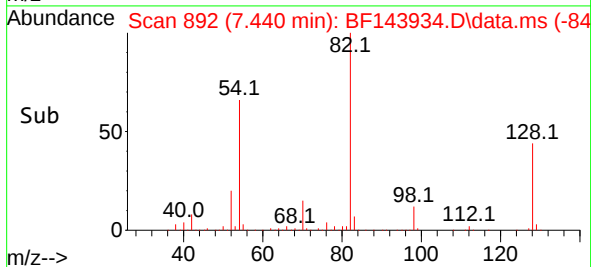
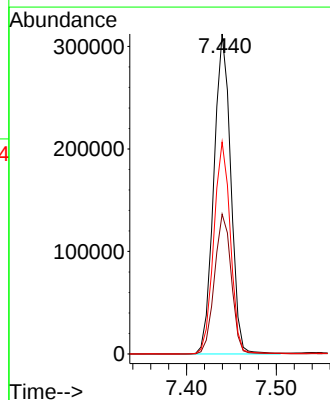
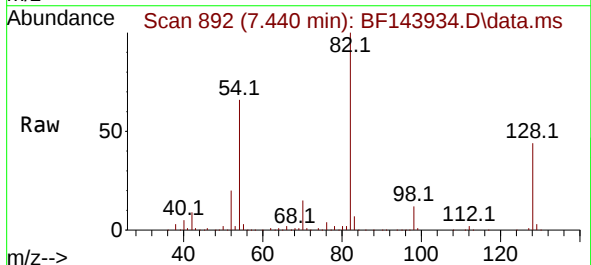
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	8.2	12.4
68	8.3	6.2	9.4

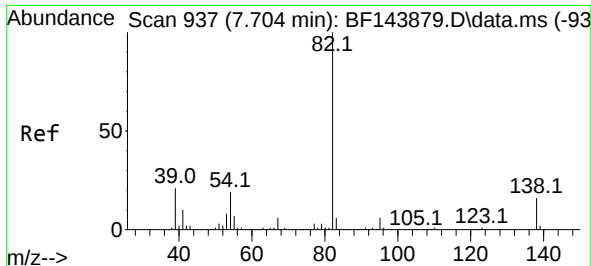


#23
Nitrobenzene-d5
Concen: 58.182 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion: 82 Resp: 409132

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	66.3	53.2	79.8

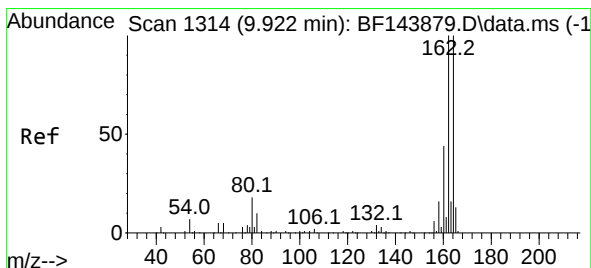
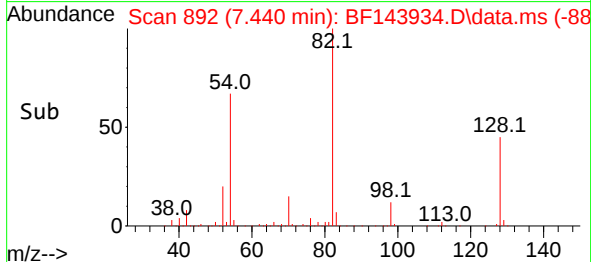
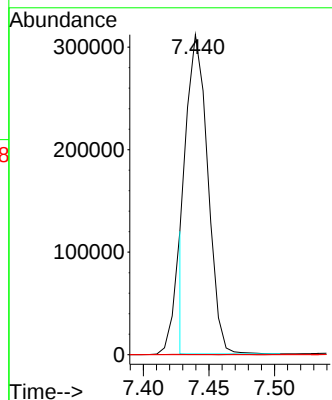
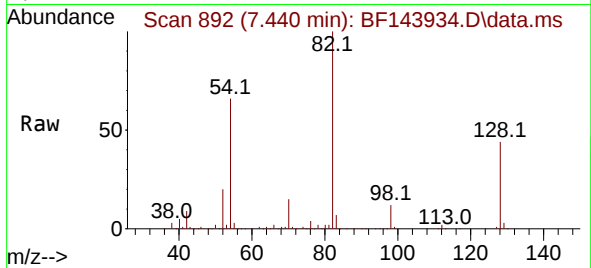




#25
Isophorone
Concen: 23.410 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

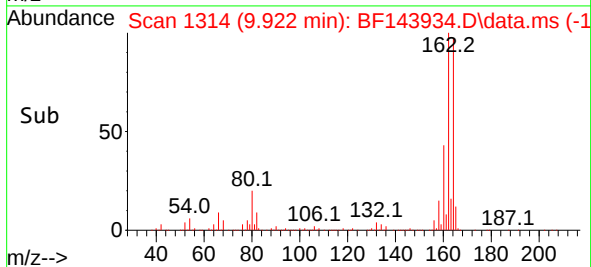
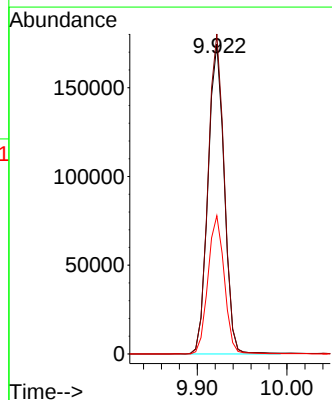
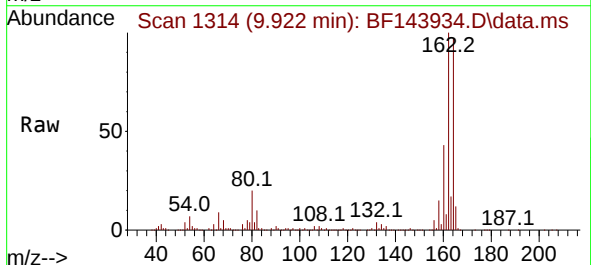
Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

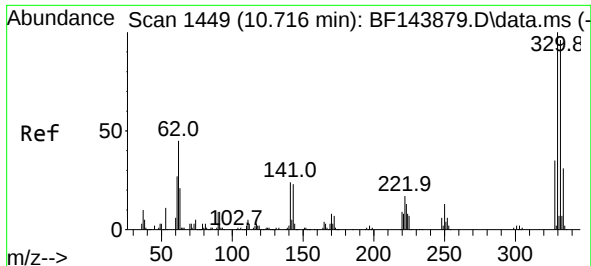
Tgt Ion: 82 Resp: 347113
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:164 Resp: 219740
Ion Ratio Lower Upper
164 100
162 103.2 80.2 120.2
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 79.864 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SED-04-0-2

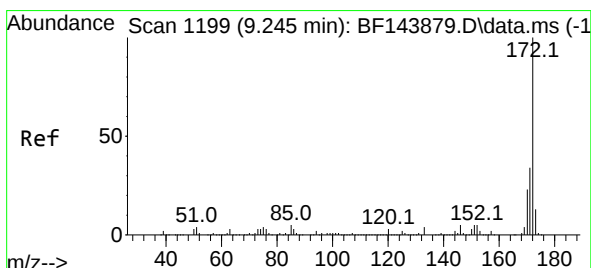
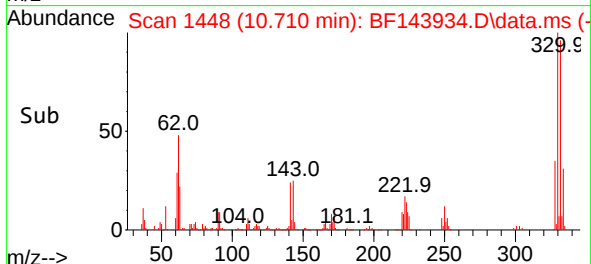
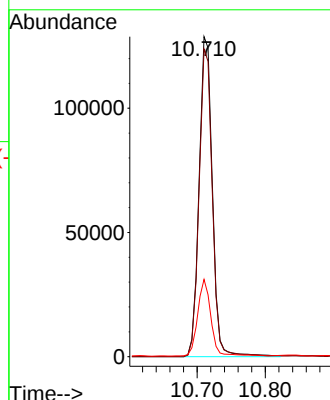
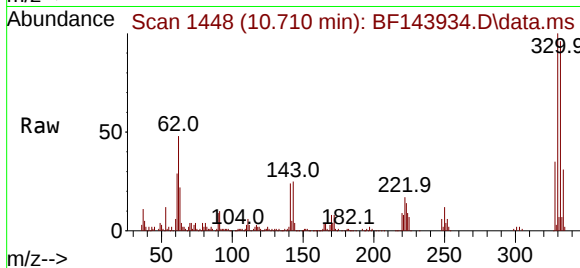
Tgt Ion:330 Resp: 174794

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

141 23.7 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 52.021 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

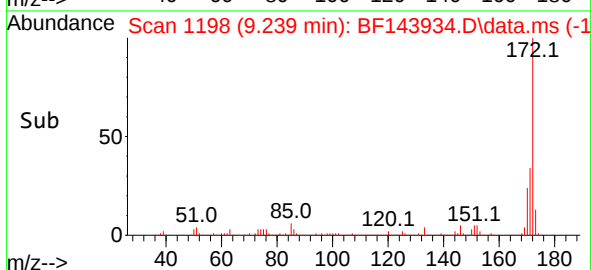
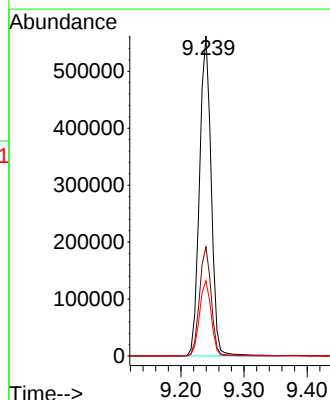
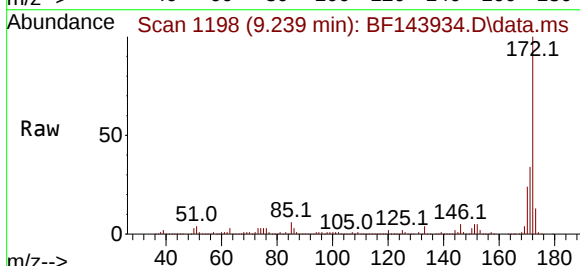
Tgt Ion:172 Resp: 720409

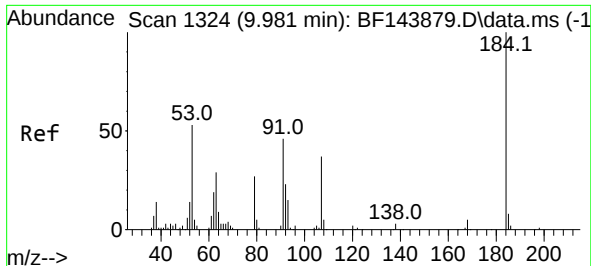
Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.0

170 23.5 18.6 28.0

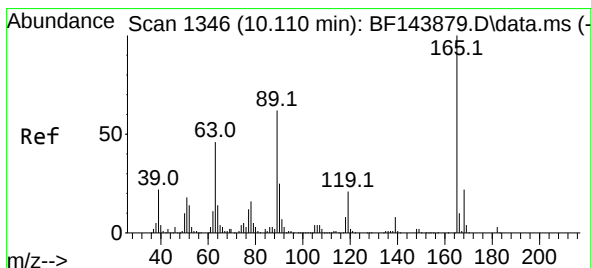
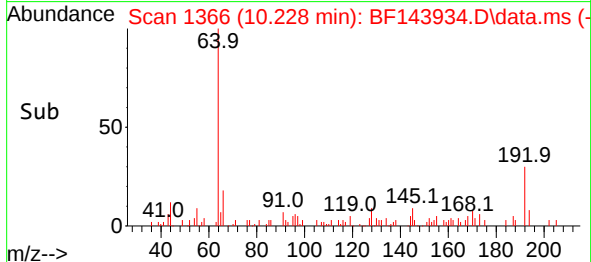
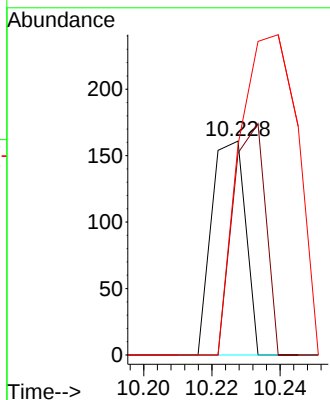
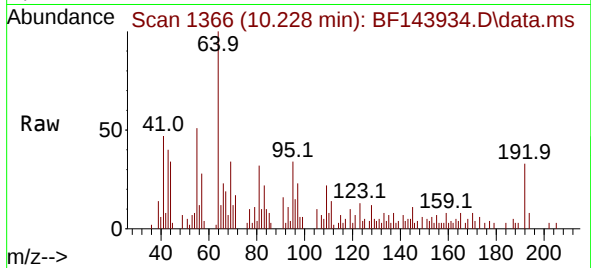




#54
2,4-Dinitrophenol
Concen: 7.004 ng
RT: 10.228 min Scan# 111
Delta R.T. 0.242 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

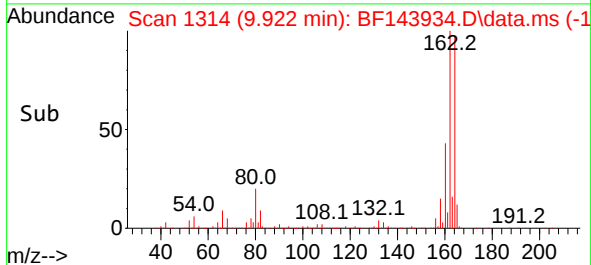
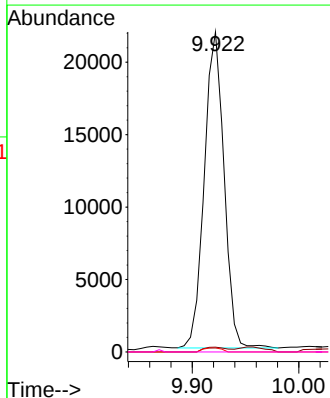
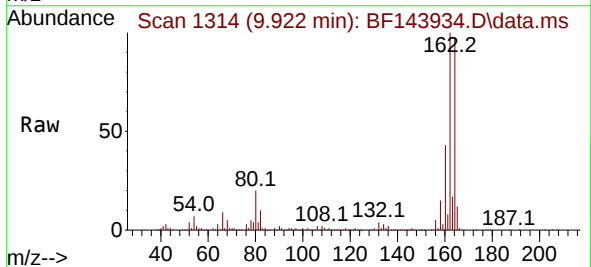
Instrument :
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SED-04-0-2

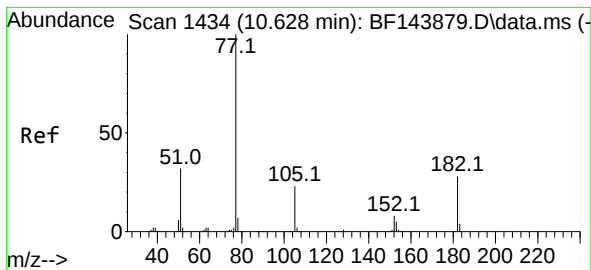
Tgt Ion:184 Resp: 111
Ion Ratio Lower Upper
184 100
63 94.4 48.2 72.4#
154 98.1 49.2 73.8#



#57
2,4-Dinitrotoluene
Concen: 7.980 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:165 Resp: 28096
Ion Ratio Lower Upper
165 100
63 1.5 37.2 55.8#
89 1.2 49.4 74.2#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 4.723 ng

RT: 10.634 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SED-04-0-2

Tgt Ion: 77 Resp: 63993

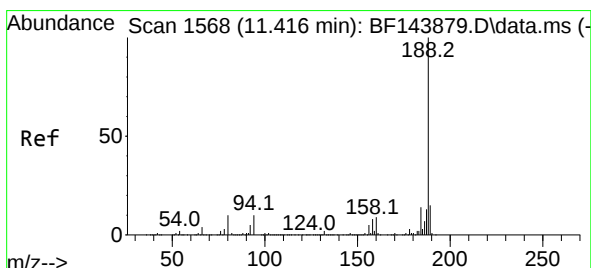
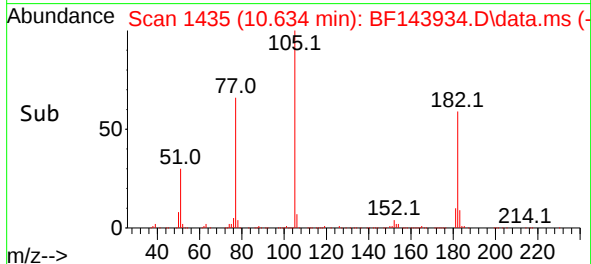
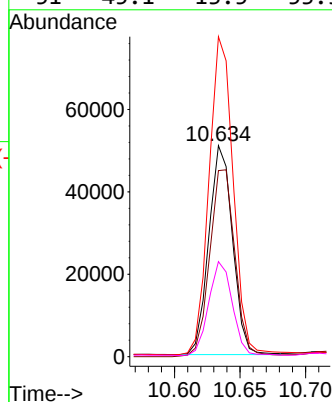
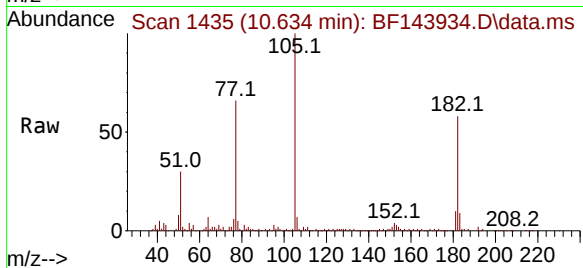
Ion Ratio Lower Upper

77 100

182 88.2 7.3 47.3#

105 151.6 3.0 43.0#

51 45.1 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

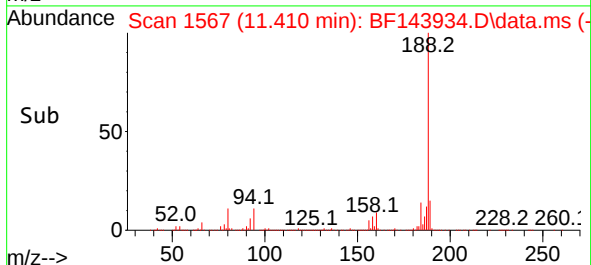
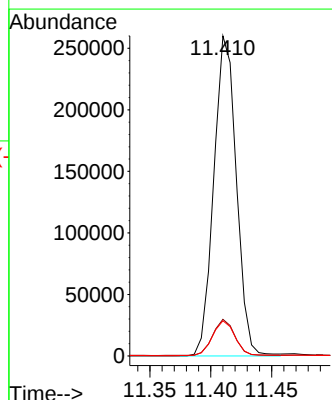
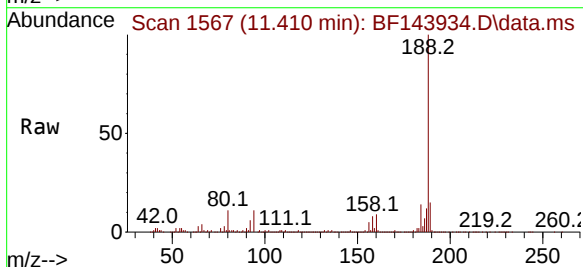
Tgt Ion: 188 Resp: 335261

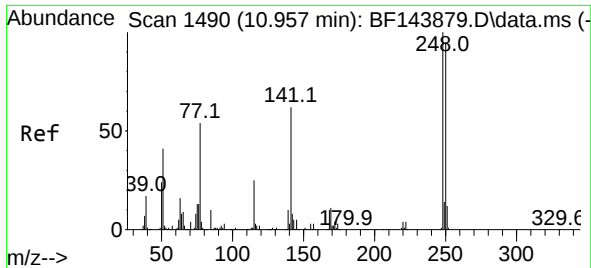
Ion Ratio Lower Upper

188 100

94 11.5 7.8 11.6

80 11.0 7.9 11.9

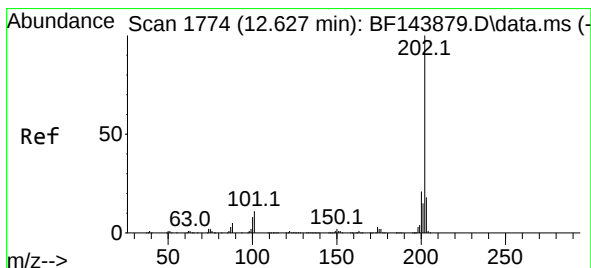
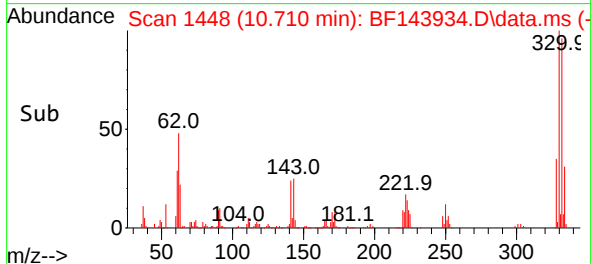
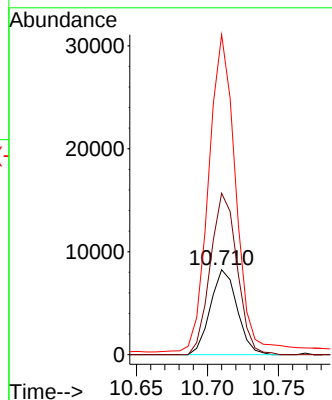
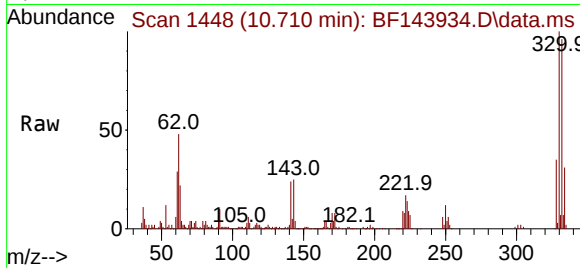




#67
4-Bromophenyl-phenylether
Concen: 2.918 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

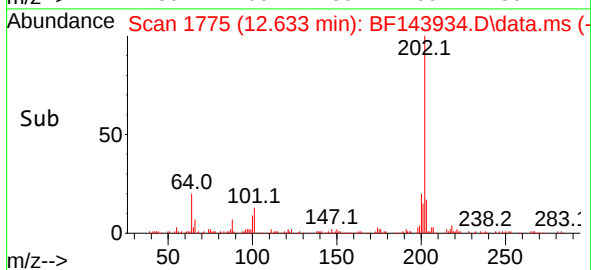
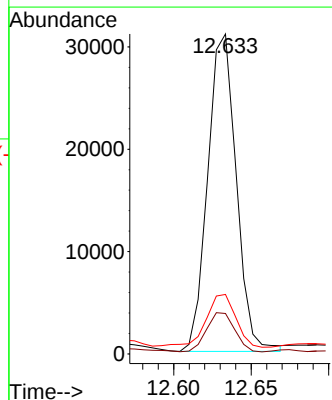
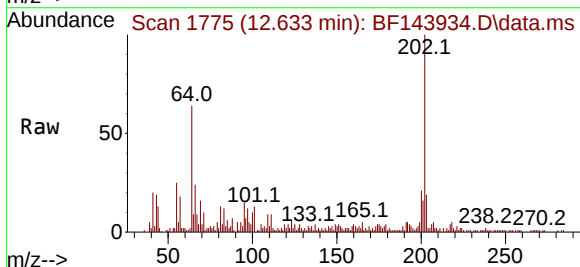
Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

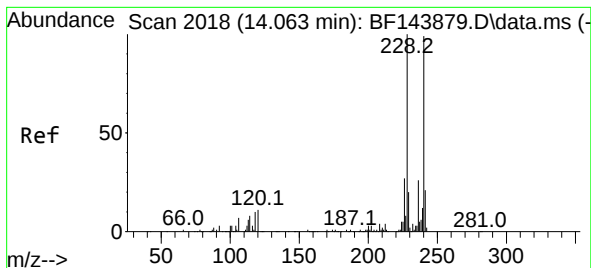
Tgt Ion:248 Resp: 10811
Ion Ratio Lower Upper
248 100
250 190.0 76.3 114.5#
141 376.5 49.7 74.5#



#75
Fluoranthene
Concen: 2.374 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:202 Resp: 39857
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.7
203 18.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SED-04-0-2

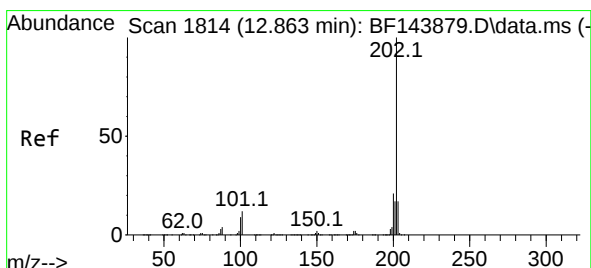
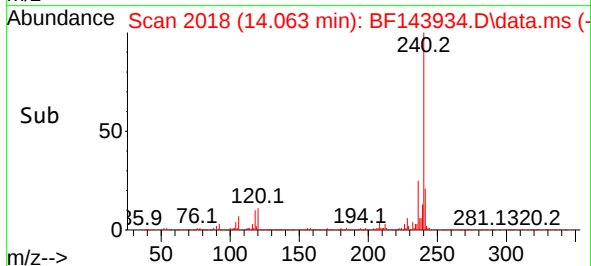
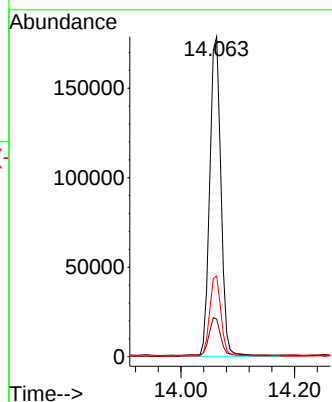
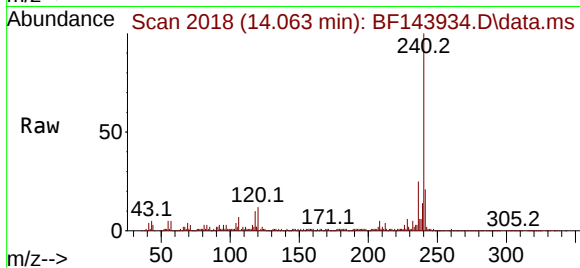
Tgt Ion:240 Resp: 243631

Ion Ratio Lower Upper

240 100

120 11.7 8.6 13.0

236 25.2 21.1 31.7



#78

Pyrene

Concen: 2.396 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

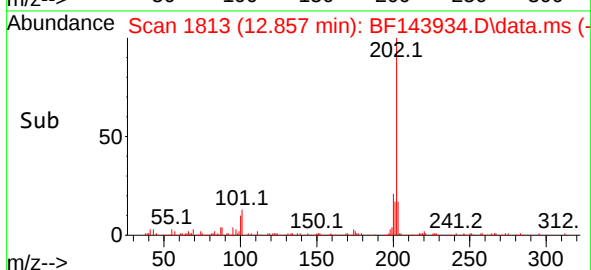
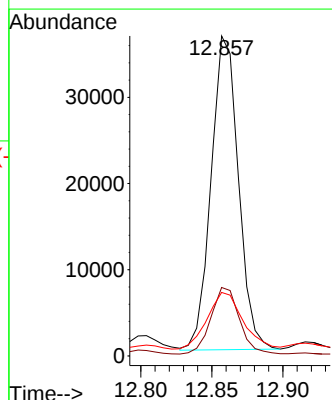
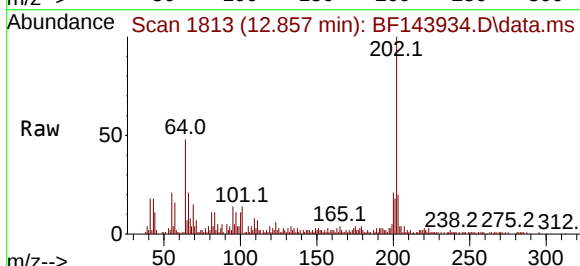
Tgt Ion:202 Resp: 48664

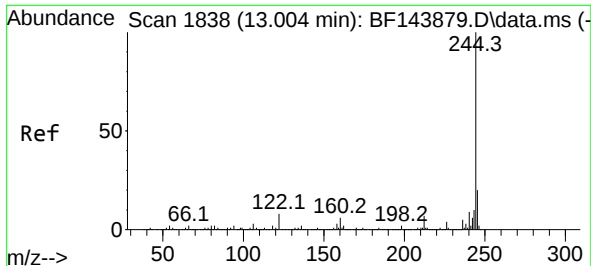
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 19.8 13.8 20.6

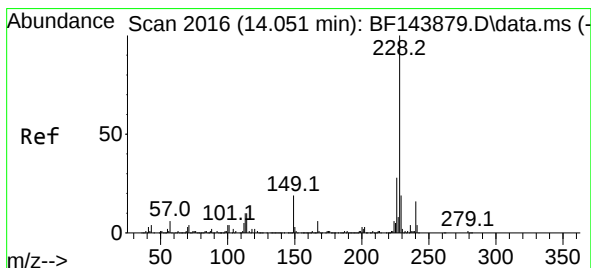
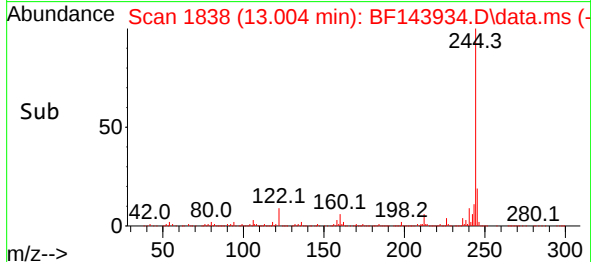
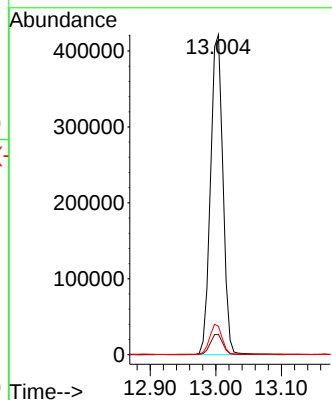
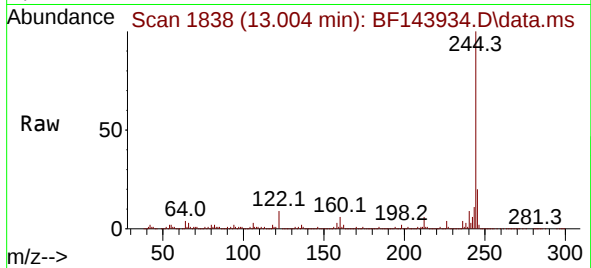




#79
 Terphenyl-d14
 Concen: 38.969 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF143934.D
 Acq: 13 Oct 2025 16:05

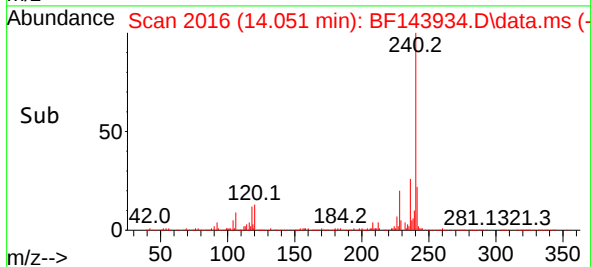
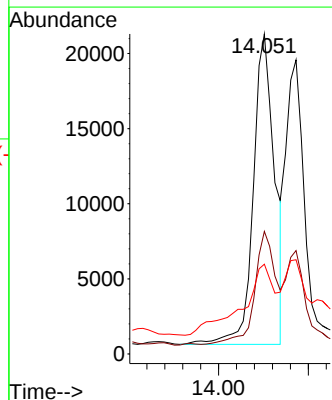
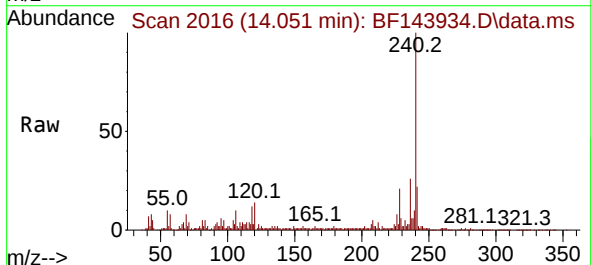
Instrument :
 BNA_F
 ClientSampleId :
 SED-04-0-2

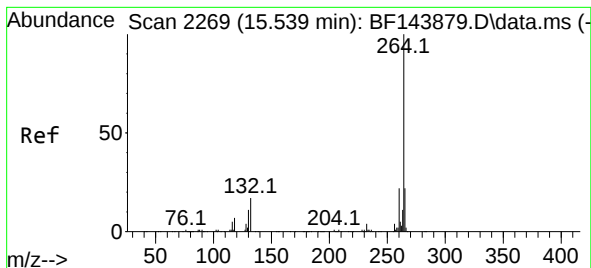
Tgt Ion:244 Resp: 555513
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.8 6.4 9.6



#81
 Benzo(a)anthracene
 Concen: 2.134 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143934.D
 Acq: 13 Oct 2025 16:05

Tgt Ion:228 Resp: 34031
 Ion Ratio Lower Upper
 228 100
 226 38.3 22.2 33.2#
 229 28.1 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2117

Delta R.T. 0.000 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SED-04-0-2

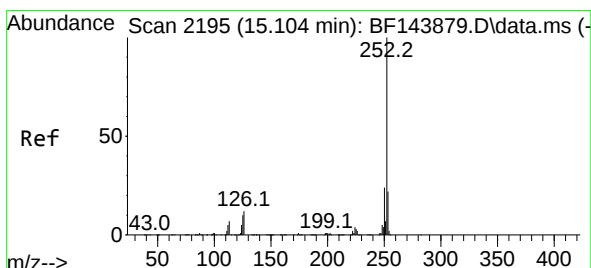
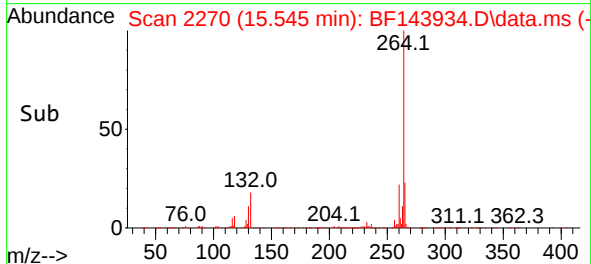
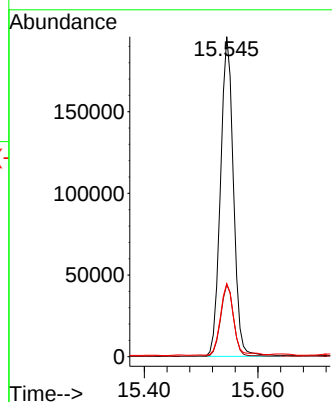
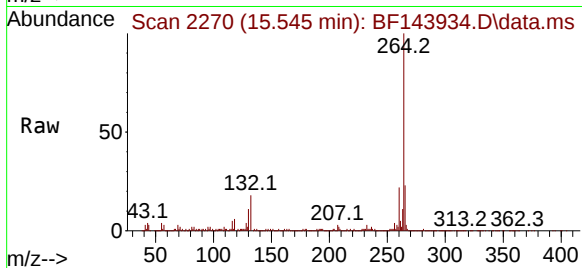
Tgt Ion:264 Resp: 311711

Ion Ratio Lower Upper

264 100

260 22.5 17.8 26.8

265 22.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.365 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

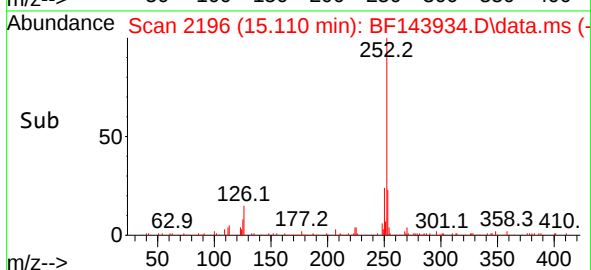
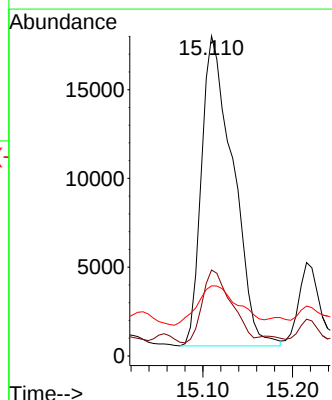
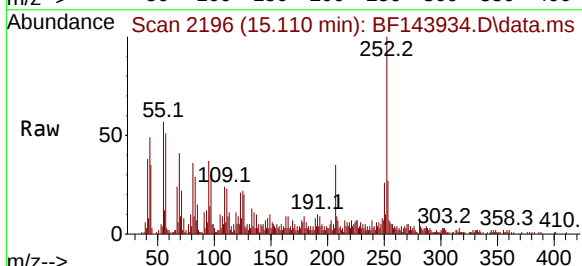
Tgt Ion:252 Resp: 42342

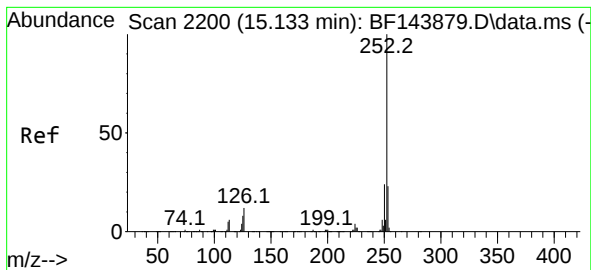
Ion Ratio Lower Upper

252 100

253 26.9 17.4 26.2#

125 21.9 7.8 11.6#





#89

Benzo(k)fluoranthene

Concen: 2.556 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143934.D

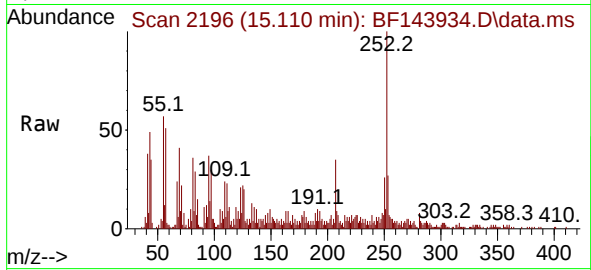
Acq: 13 Oct 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SED-04-0-2



Tgt Ion:252 Resp: 42342

Ion Ratio Lower Upper

252 100

253 26.9 17.8 26.8#

125 21.9 7.4 11.2#

