

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144023.D
 Acq On : 21 Oct 2025 20:27
 Operator : RC/JU
 Sample : Q3402-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-RB

Quant Time: Oct 22 11:12:07 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)

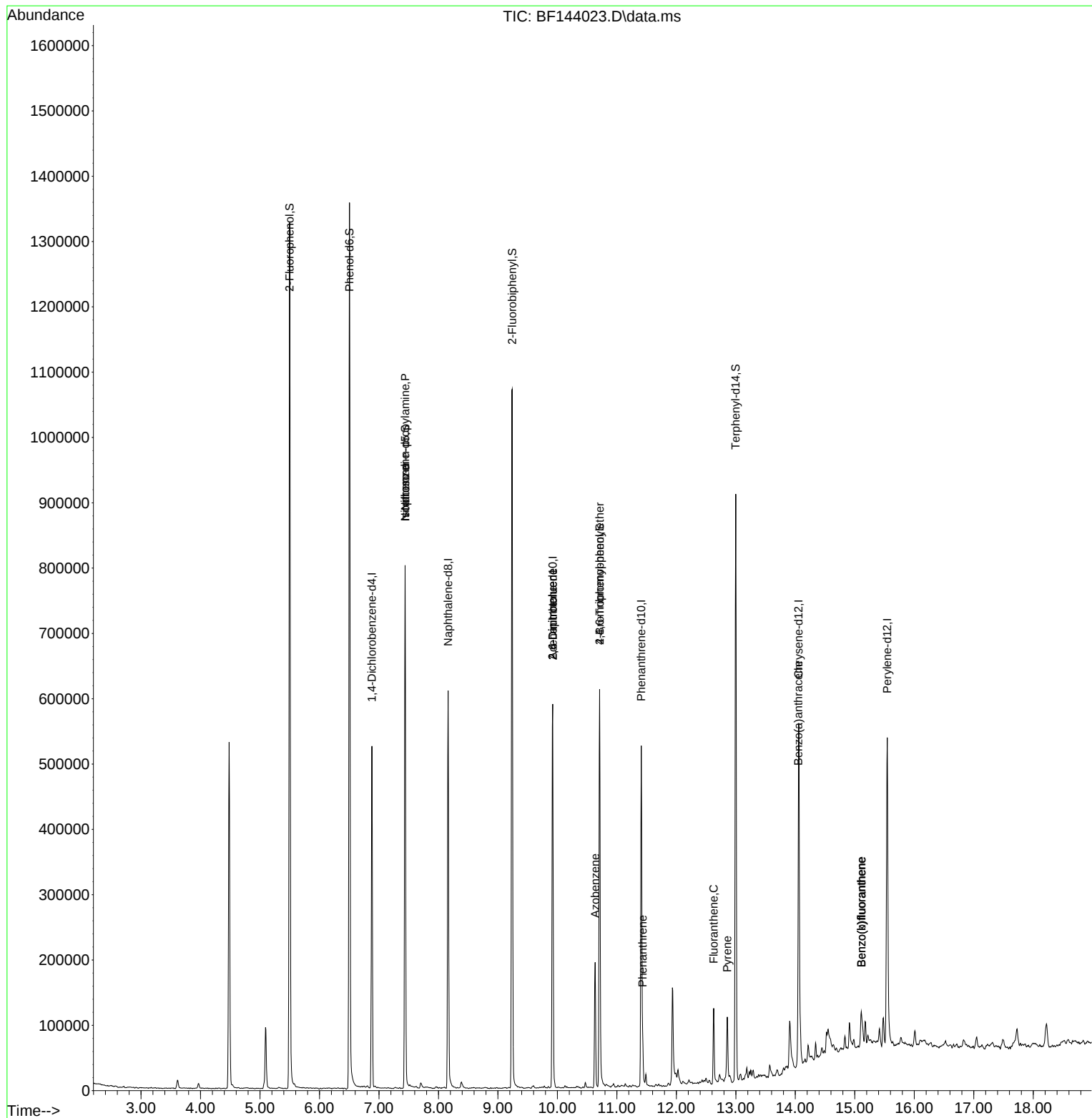
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	106165	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	386692	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	185031	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	278657	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243695	20.000	ng	-0.01
86) Perylene-d12	15.545	264	299709	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	509992	76.283	ng	0.00
7) Phenol-d6	6.504	99	604376	75.842	ng	-0.01
23) Nitrobenzene-d5	7.440	82	335105	52.650	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	113033	61.333	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	529805	45.434	ng	-0.01
79) Terphenyl-d14	12.998	244	446072	31.284	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.440	70	47938	8.788	ng	# 78
25) Isophorone	7.440	82	283622	21.134	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	23665	10.861	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	23665	7.982	ng	# 27
63) Azobenzene	10.634	77	49523	4.341	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6919	2.247	ng	# 1
71) Phenanthrene	11.433	178	35484	2.627	ng	98
75) Fluoranthene	12.627	202	66170	4.742	ng	97
78) Pyrene	12.857	202	57633	2.837	ng	98
81) Benzo(a)anthracene	14.051	228	34677	2.174	ng	94
88) Benzo(b)fluoranthene	15.110	252	49031	2.848	ng	# 96
89) Benzo(k)fluoranthene	15.110	252	49031	3.078	ng	# 95

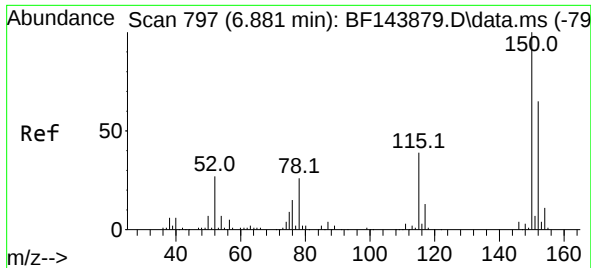
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144023.D
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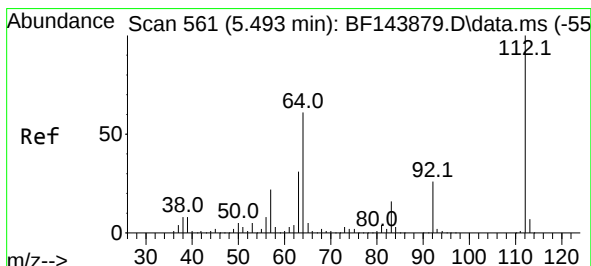
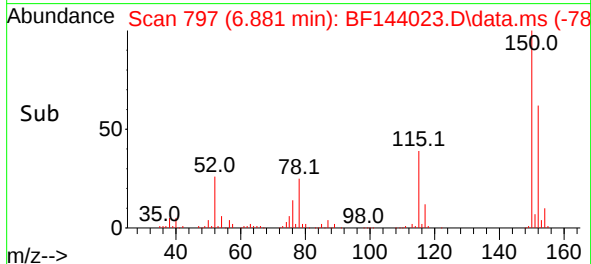
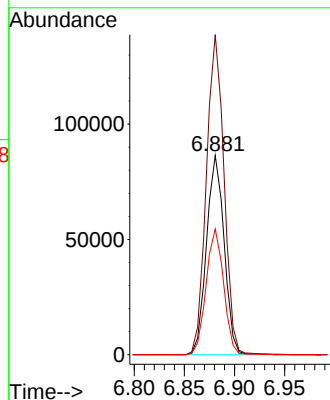
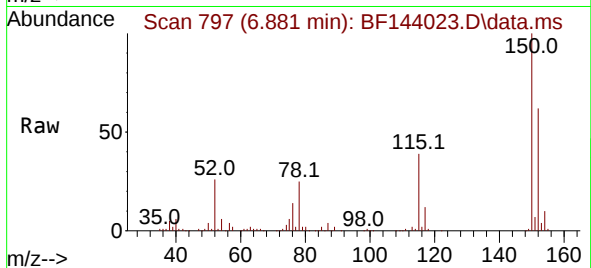




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

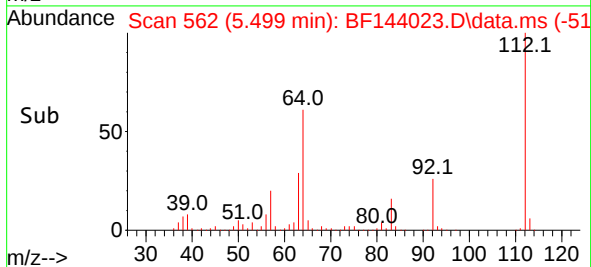
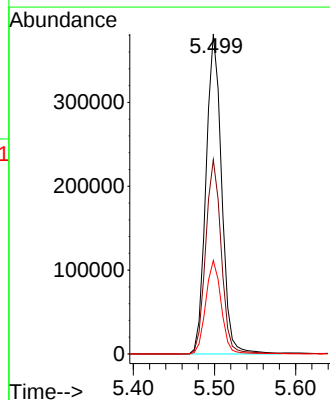
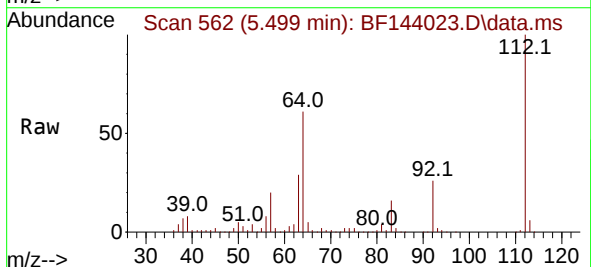
Instrument :
BNA_F
ClientSampleId :
41-RB

Tgt Ion:152 Resp: 106165
Ion Ratio Lower Upper
152 100
150 160.6 124.4 186.6
115 63.1 48.1 72.1



#5
2-Fluorophenol
Concen: 76.283 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion:112 Resp: 509992
Ion Ratio Lower Upper
112 100
64 60.7 49.1 73.7
63 29.2 24.5 36.7

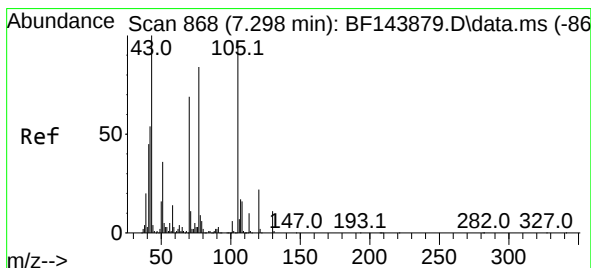
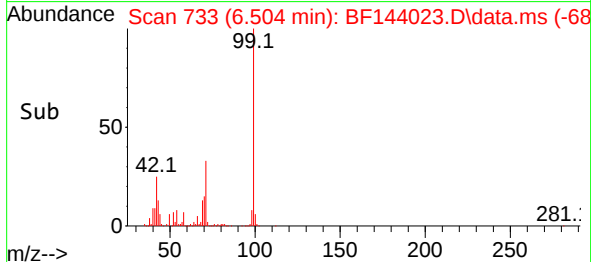
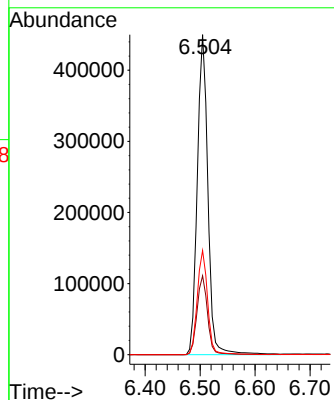
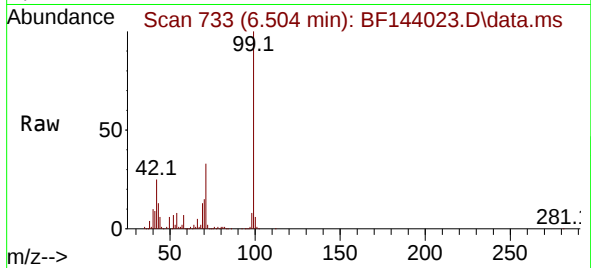




#7
Phenol-d6
Concen: 75.842 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

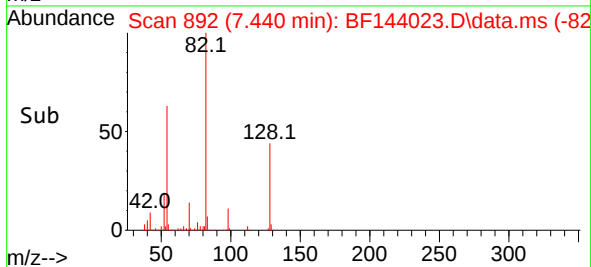
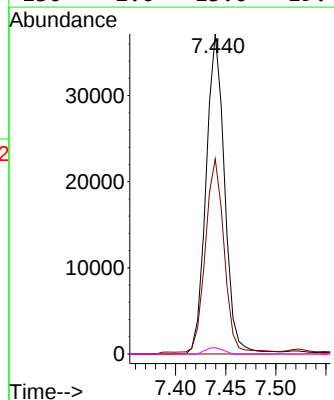
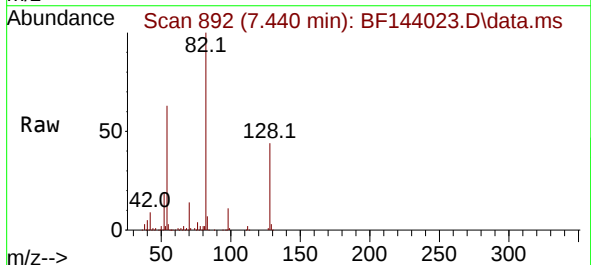
Instrument :
BNA_F
ClientSampleId :
41-RB

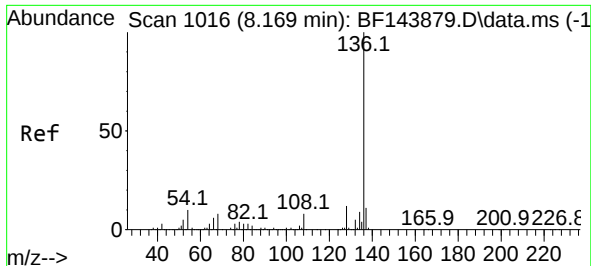
Tgt Ion: 99 Resp: 604376
Ion Ratio Lower Upper
99 100
42 24.7 21.0 31.4
71 32.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.788 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion: 70 Resp: 47938
Ion Ratio Lower Upper
70 100
42 61.0 62.8 94.2#
101 0.0 6.7 10.1#
130 2.0 13.0 19.4#



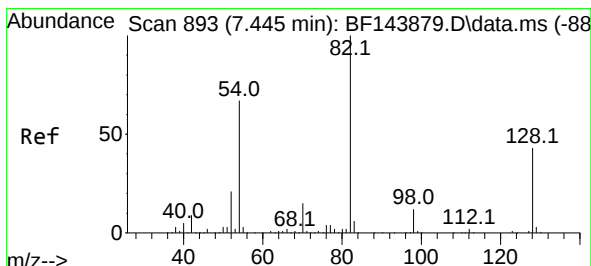
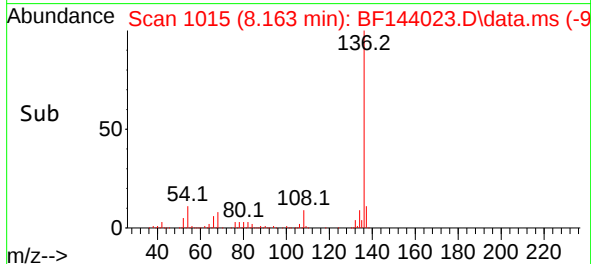
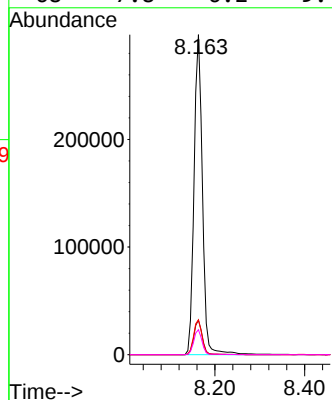
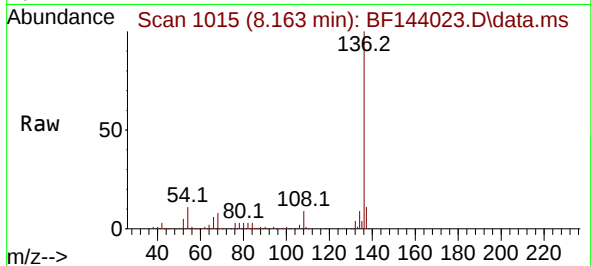


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
BNA_F
ClientSampleId :
41-RB

Tgt Ion:136 Resp: 386692

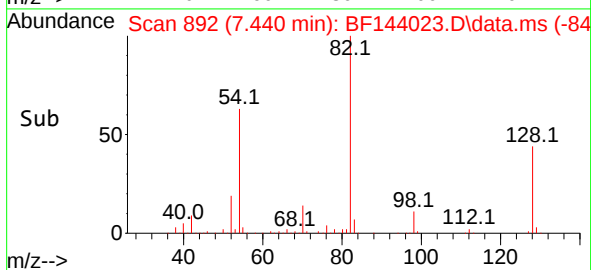
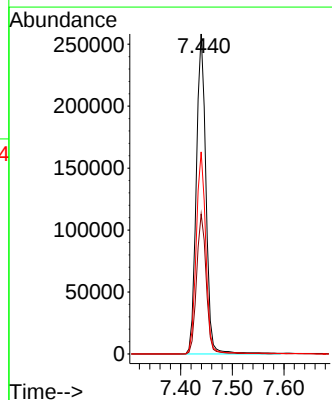
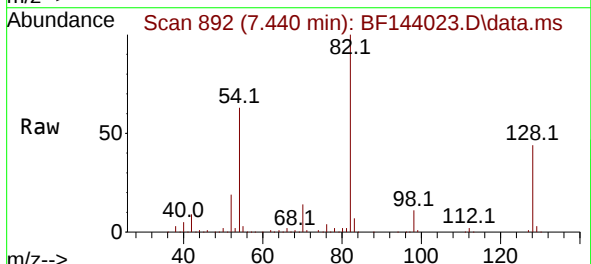
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.9	8.2	12.4
68	7.8	6.2	9.4

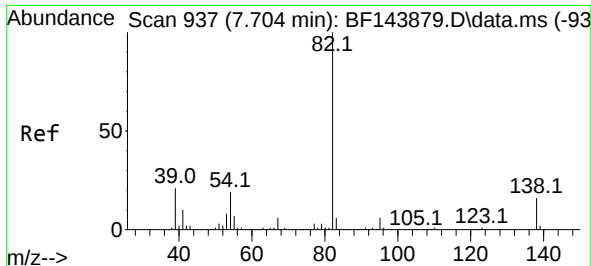


#23
Nitrobenzene-d5
Concen: 52.650 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion: 82 Resp: 335105

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	63.1	53.2	79.8

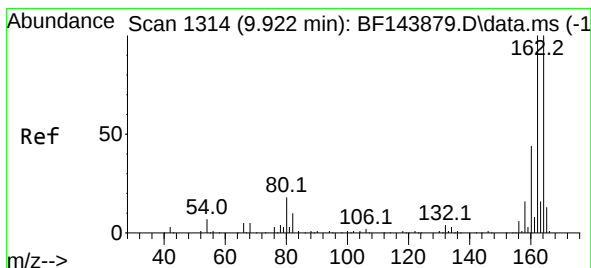
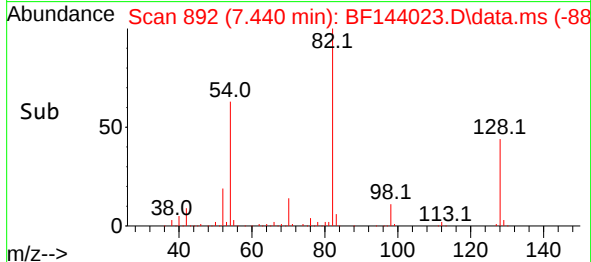
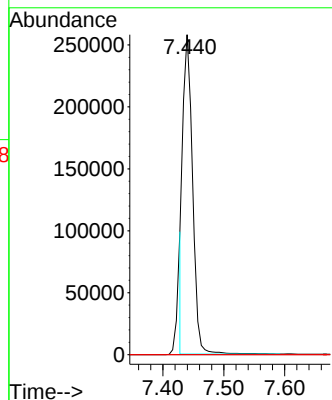
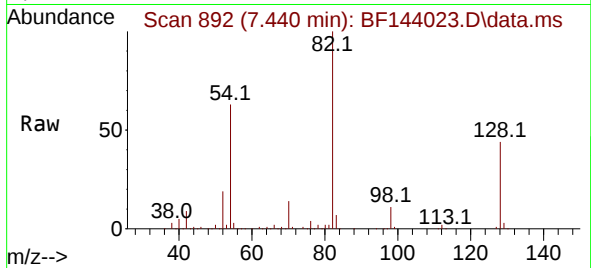




#25
Isophorone
Concen: 21.134 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

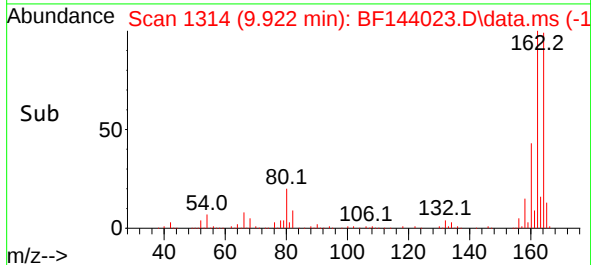
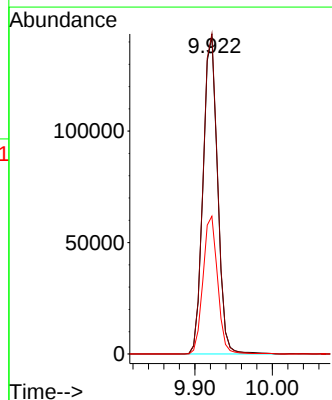
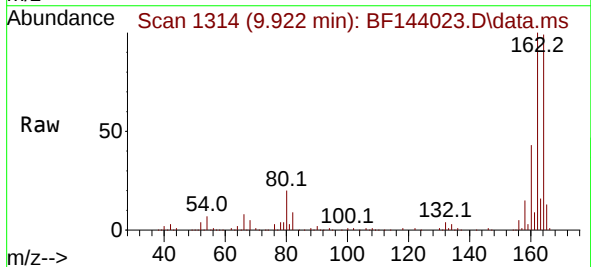
Instrument :
BNA_F
ClientSampleId :
41-RB

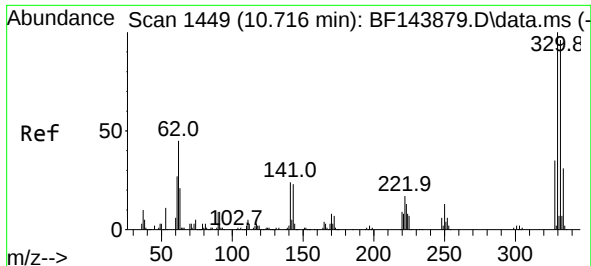
Tgt Ion: 82 Resp: 283622
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion: 164 Resp: 185031
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 43.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 61.333 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

Instrument :

BNA_F

ClientSampleId :

41-RB

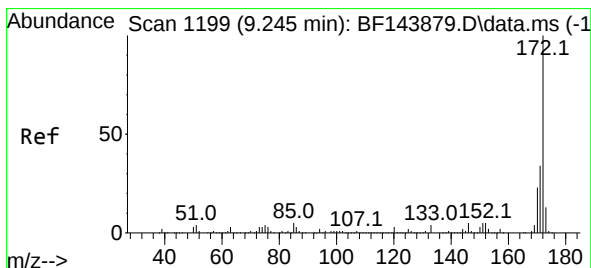
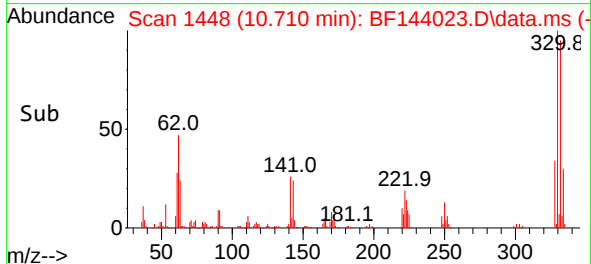
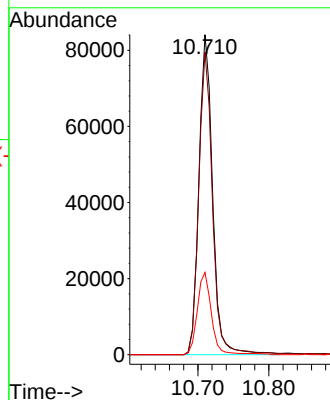
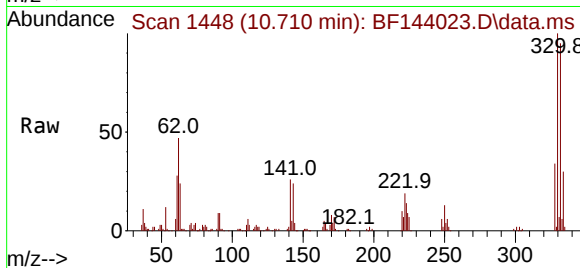
Tgt Ion:330 Resp: 113033

Ion Ratio Lower Upper

330 100

332 95.4 76.9 115.3

141 26.5 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 45.434 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

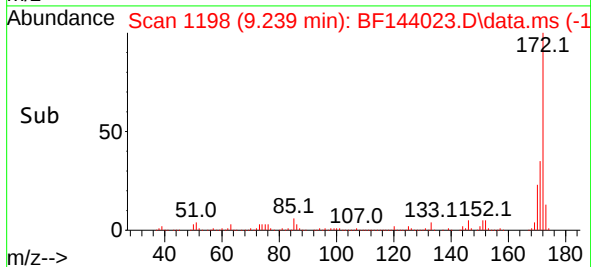
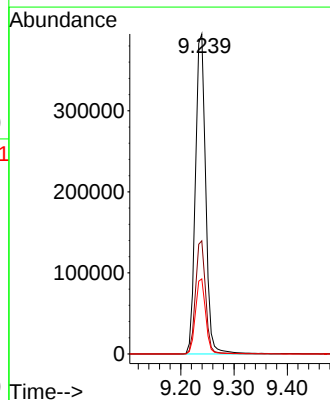
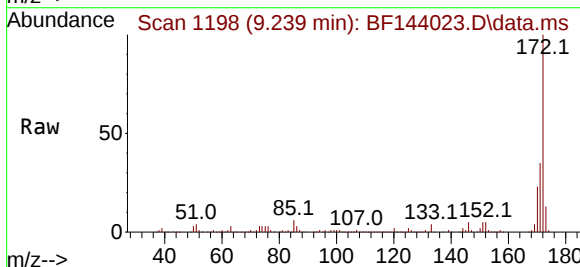
Tgt Ion:172 Resp: 529805

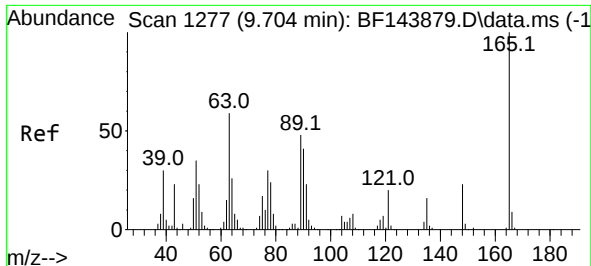
Ion Ratio Lower Upper

172 100

171 35.4 27.4 41.0

170 23.4 18.6 28.0

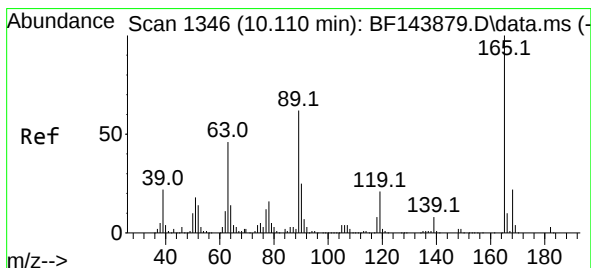
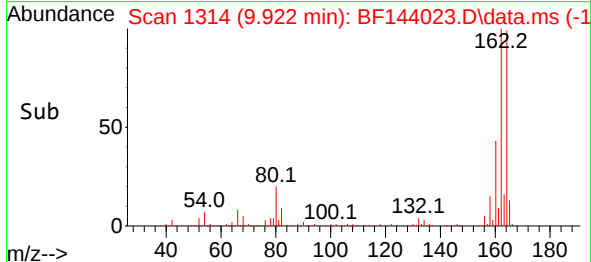
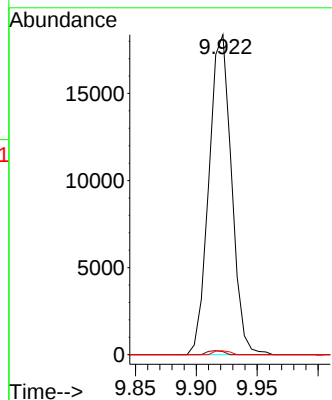
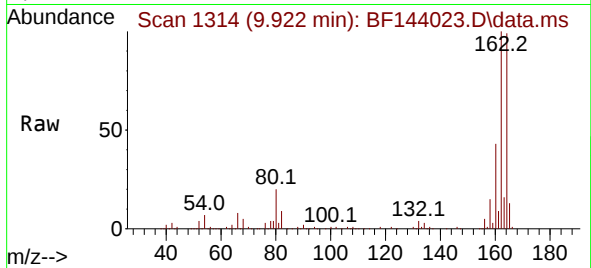




#51
2,6-Dinitrotoluene
Concen: 10.861 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

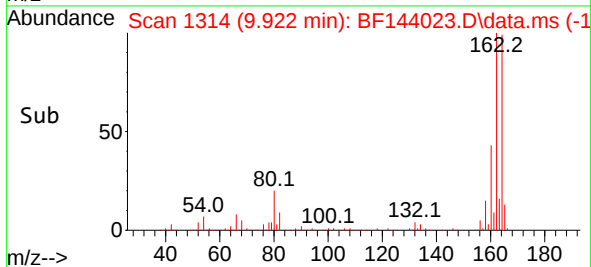
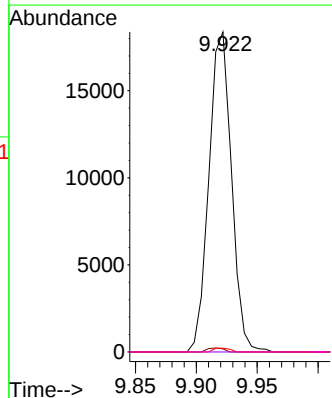
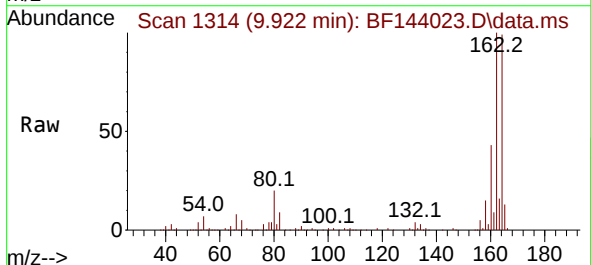
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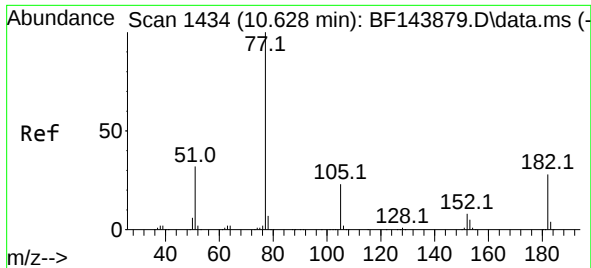
Tgt Ion:165 Resp: 23665
Ion Ratio Lower Upper
165 100
63 1.0 47.3 70.9#
89 1.2 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.982 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion:165 Resp: 23665
Ion Ratio Lower Upper
165 100
63 1.0 37.2 55.8#
89 1.2 49.4 74.2#
182 0.0 2.1 3.1#

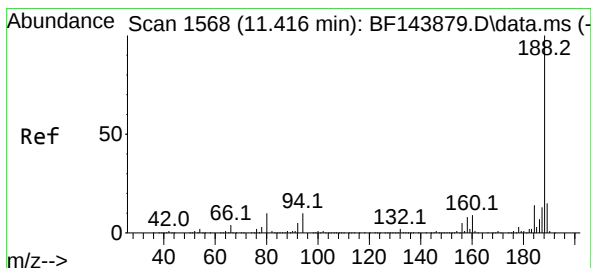
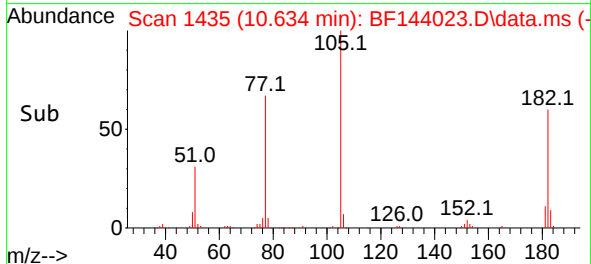
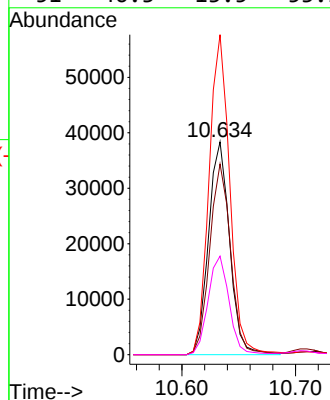
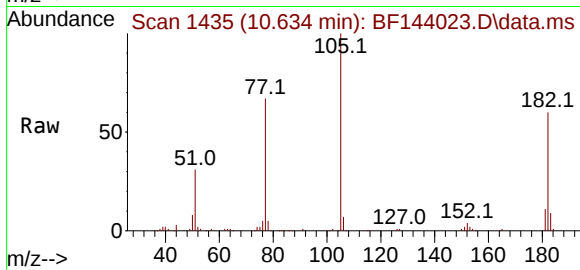




#63
 Azobenzene
 Concen: 4.341 ng
 RT: 10.634 min Scan# 1434
 Delta R.T. 0.000 min
 Lab File: BF144023.D
 Acq: 21 Oct 2025 20:27

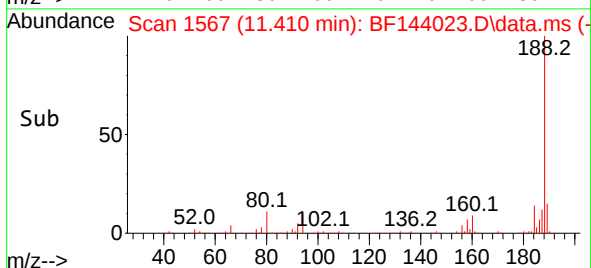
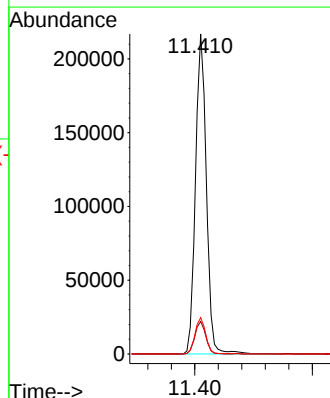
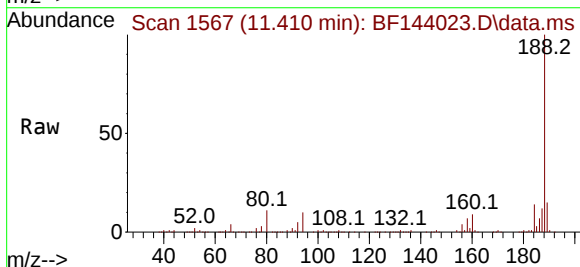
Instrument :
 BNA_F
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 41-RB

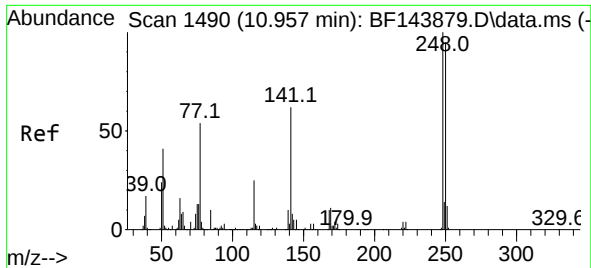
Tgt Ion: 77	Resp: 49523
Ion Ratio	Lower Upper
77	100
182	89.6 7.3 47.3#
105	150.4 3.0 43.0#
51	46.3 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF144023.D
 Acq: 21 Oct 2025 20:27

Tgt Ion: 188	Resp: 278657
Ion Ratio	Lower Upper
188	100
94	10.2 7.8 11.6
80	11.3 7.9 11.9

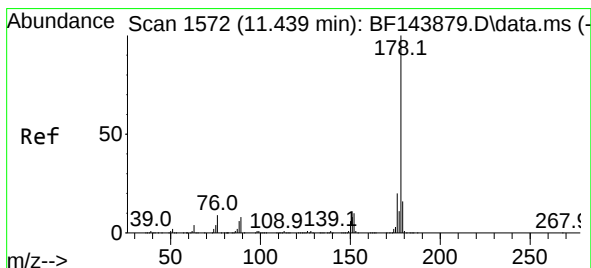
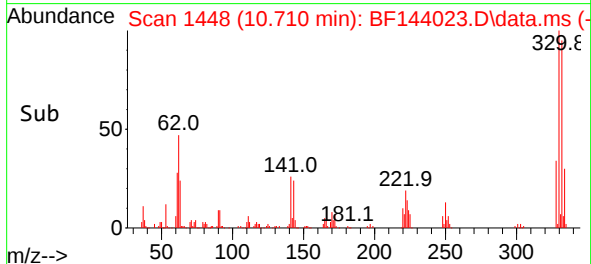
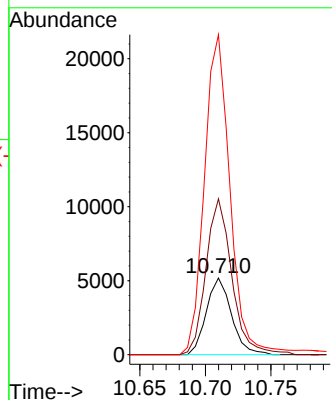
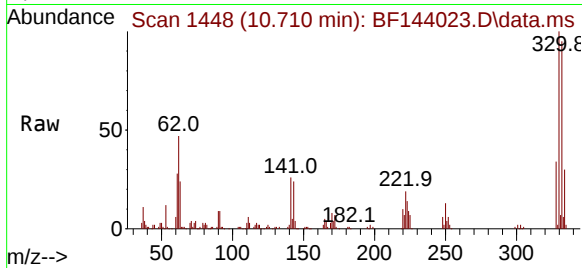




#67
4-Bromophenyl-phenylether
Concen: 2.247 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

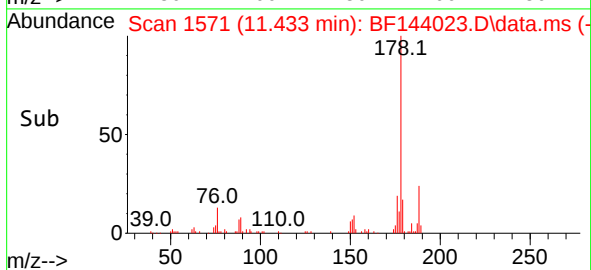
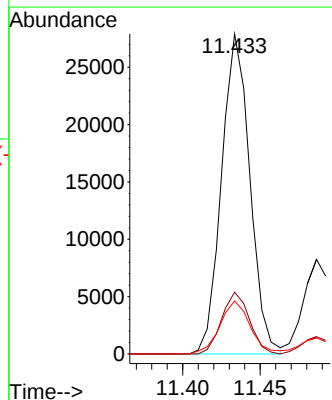
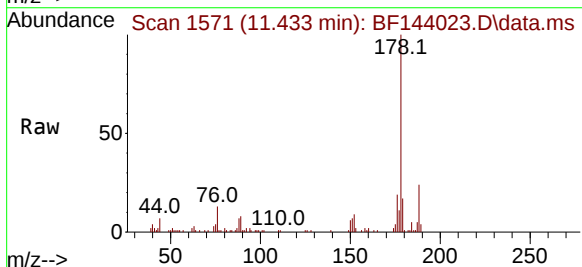
Instrument :
BNA_F
ClientSampleId :
41-RB

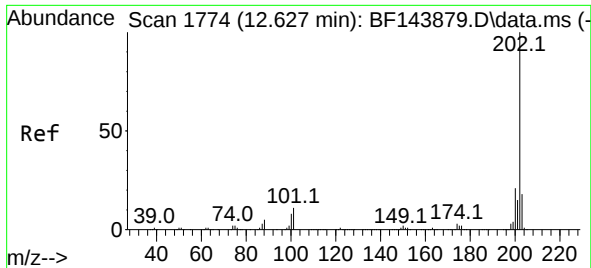
Tgt Ion:248 Resp: 6919
Ion Ratio Lower Upper
248 100
250 203.5 76.3 114.5#
141 417.9 49.7 74.5#



#71
Phenanthrene
Concen: 2.627 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion:178 Resp: 35484
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 16.6 12.4 18.6

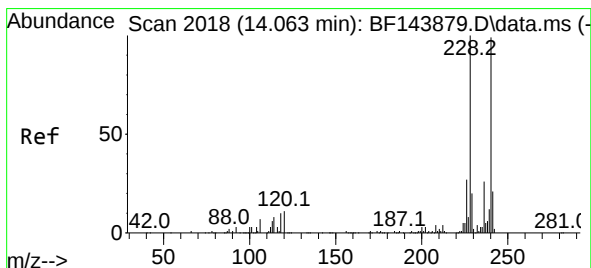
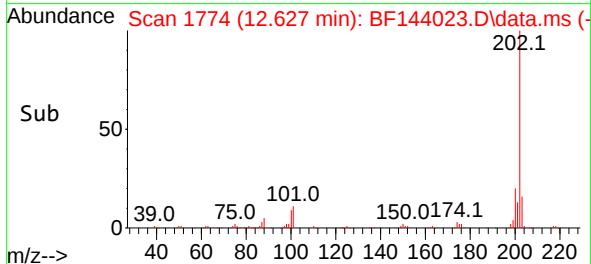
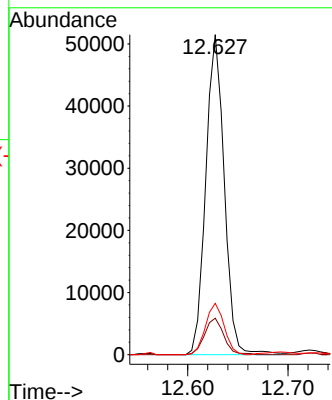
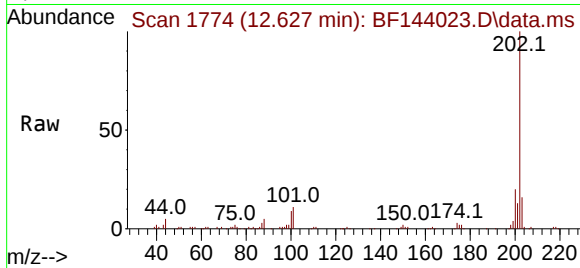




#75
Fluoranthene
Concen: 4.742 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

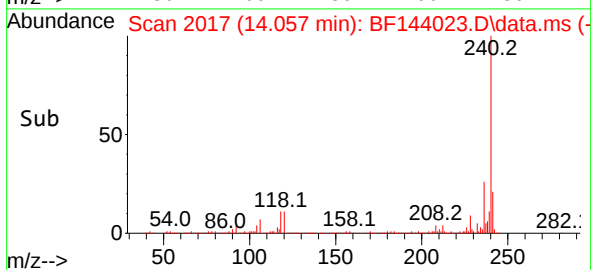
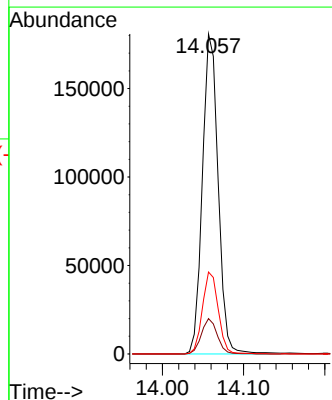
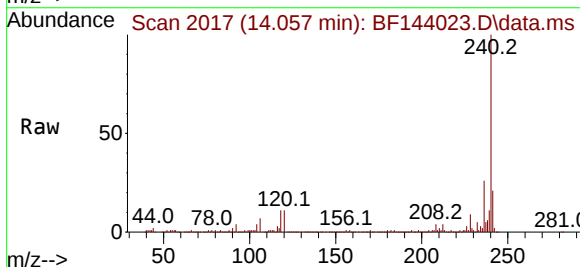
Instrument :
BNA_F
ClientSampleId :
41-RB

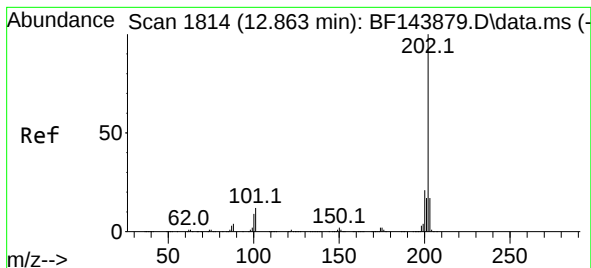
Tgt Ion:202 Resp: 66170
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 16.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion:240 Resp: 243695
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 25.6 21.1 31.7





#78

Pyrene

Concen: 2.837 ng

RT: 12.857 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

Instrument :

BNA_F

ClientSampleId :

41-RB

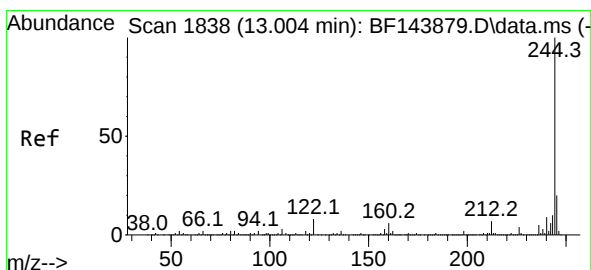
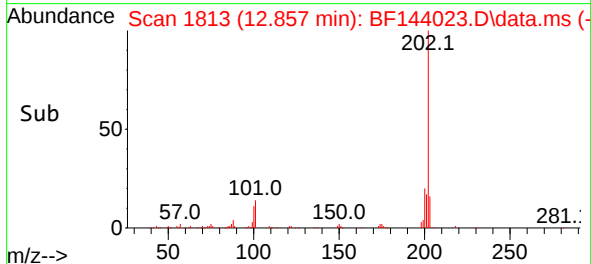
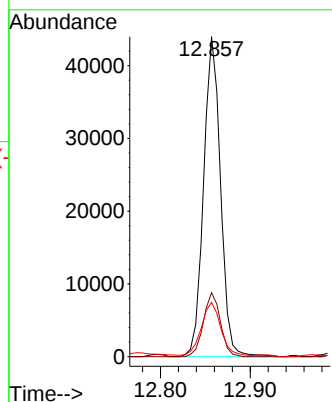
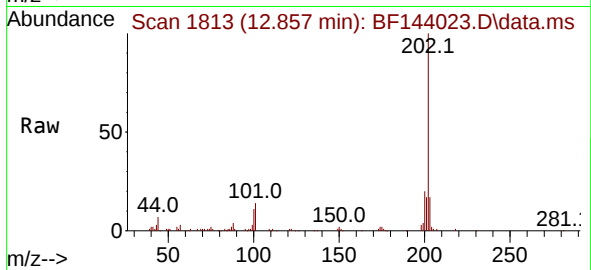
Tgt Ion:202 Resp: 57633

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

203 17.0 13.8 20.6



#79

Terphenyl-d14

Concen: 31.284 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

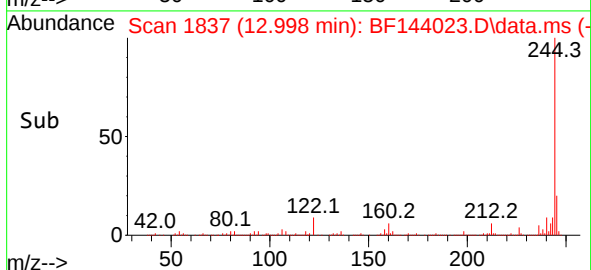
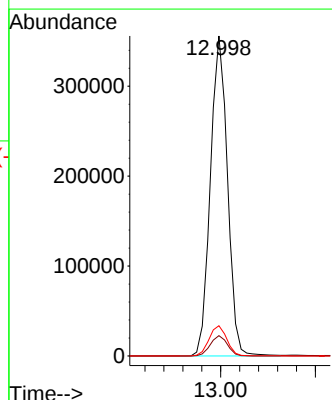
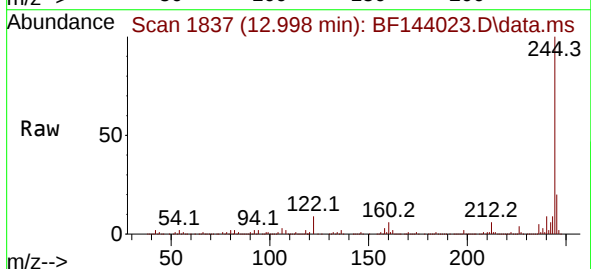
Tgt Ion:244 Resp: 446072

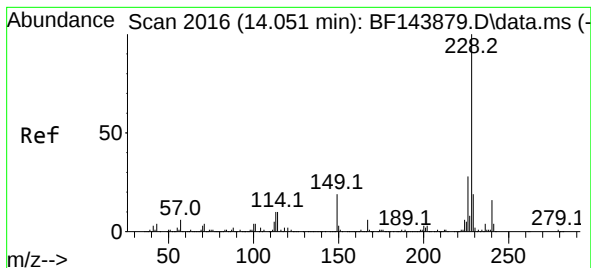
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 9.5 6.4 9.6





#81

Benzo(a)anthracene

Concen: 2.174 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

Instrument :

BNA_F

ClientSampleId :

41-RB

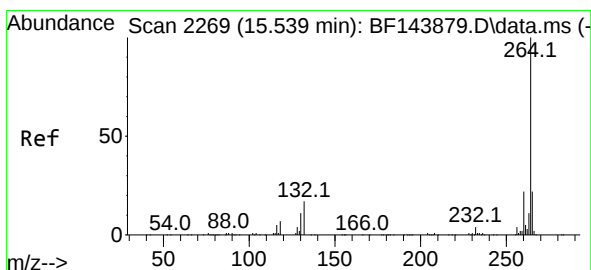
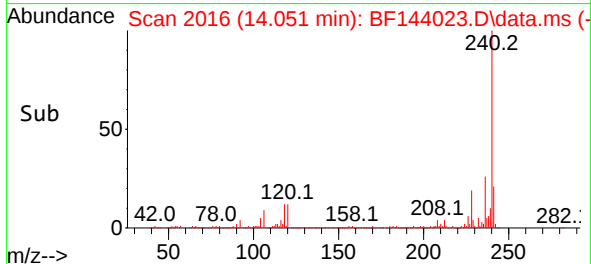
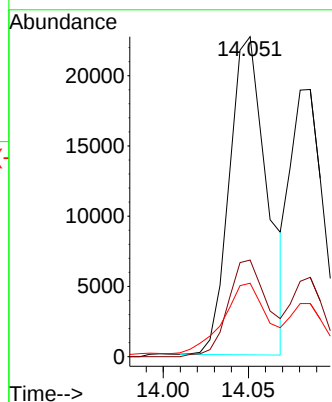
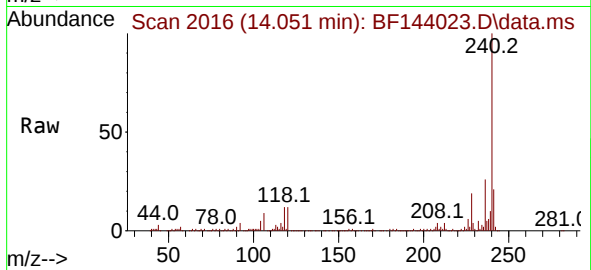
Tgt Ion:228 Resp: 34677

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.2

229 22.9 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

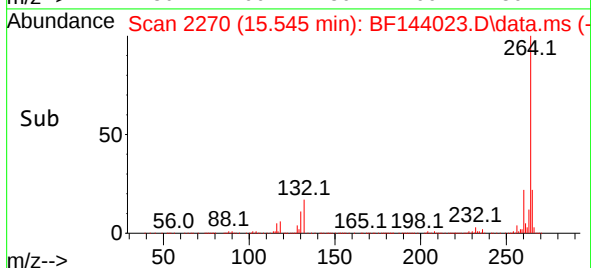
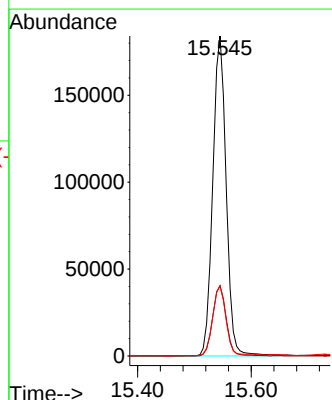
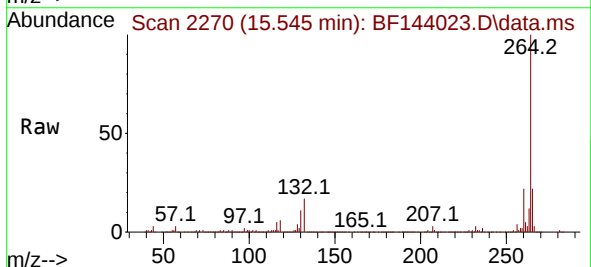
Tgt Ion:264 Resp: 299709

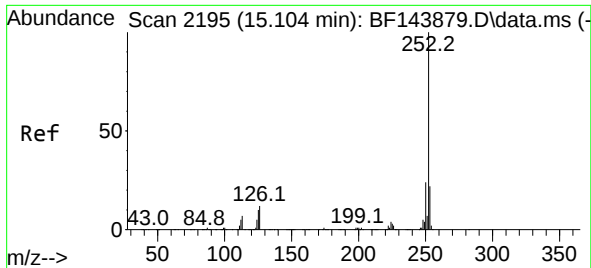
Ion Ratio Lower Upper

264 100

260 22.0 17.8 26.8

265 21.9 17.5 26.3

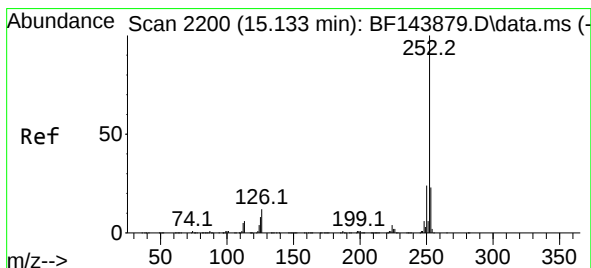
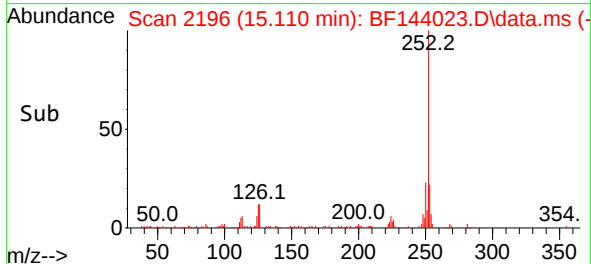
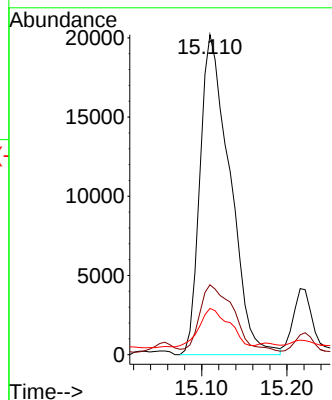
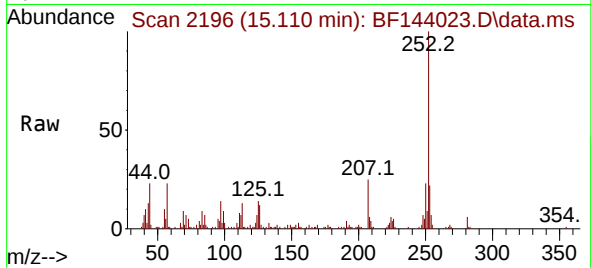




#88
Benzo(b)fluoranthene
Concen: 2.848 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
BNA_F
ClientSampleId :
41-RB

Tgt Ion:252 Resp: 49031
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 14.4 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 3.078 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Tgt Ion:252 Resp: 49031
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 14.4 7.4 11.2#

