

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144027.D
 Acq On : 21 Oct 2025 22:24
 Operator : RC/JU
 Sample : Q3402-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-LA

Quant Time: Oct 22 11:13:22 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)

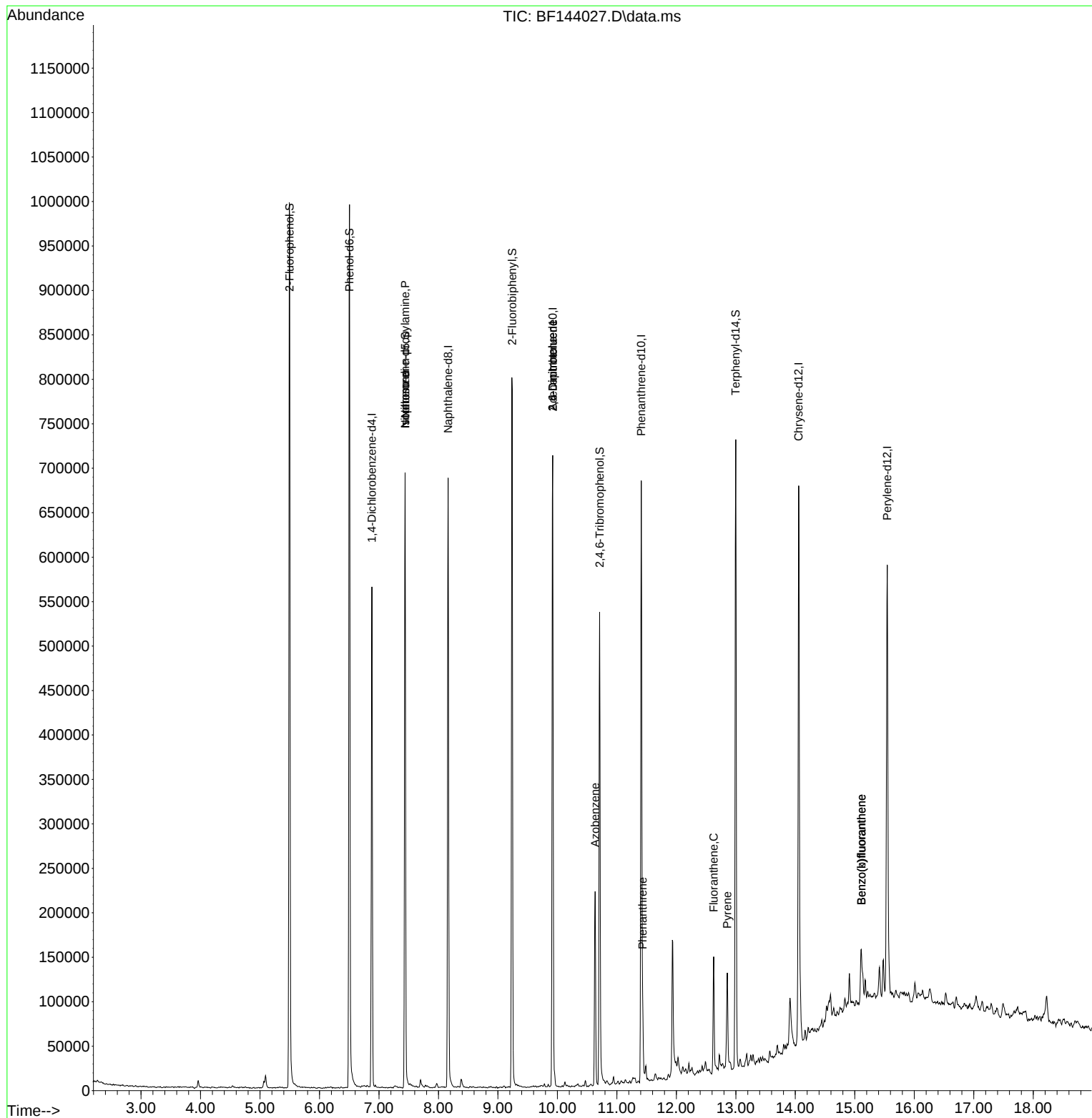
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113279	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	431353	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	220973	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	360663	20.000	ng	0.00
76) Chrysene-d12	14.057	240	293573	20.000	ng	-0.01
86) Perylene-d12	15.545	264	314832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	401161	56.236	ng	0.00
7) Phenol-d6	6.504	99	450204	52.948	ng	-0.01
23) Nitrobenzene-d5	7.439	82	292088	41.140	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	96034	43.633	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	389572	27.974	ng	-0.01
79) Terphenyl-d14	12.998	244	355273	20.683	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	41038	7.051	ng	# 77
25) Isophorone	7.439	82	239966	16.029	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	28906	11.109	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	28906	8.164	ng	# 27
63) Azobenzene	10.633	77	56453	4.143	ng	# 1
71) Phenanthrene	11.433	178	42691	2.442	ng	97
75) Fluoranthene	12.627	202	71573	3.963	ng	98
78) Pyrene	12.857	202	61586	2.516	ng	95
88) Benzo(b)fluoranthene	15.110	252	52640	2.911	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	52640	3.146	ng	# 95

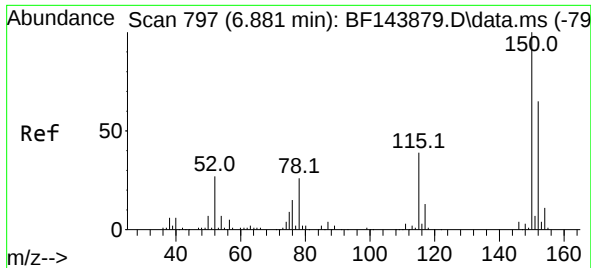
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
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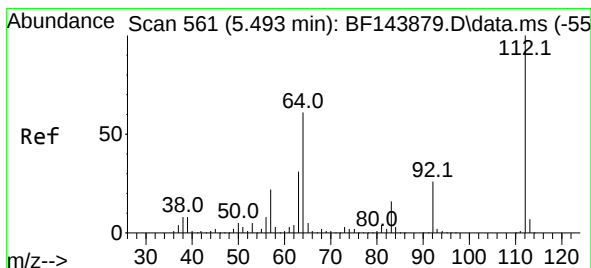
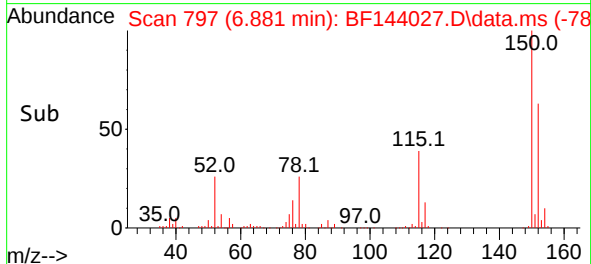
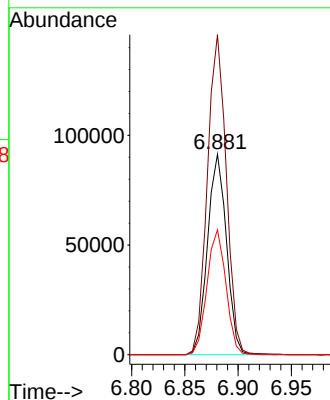
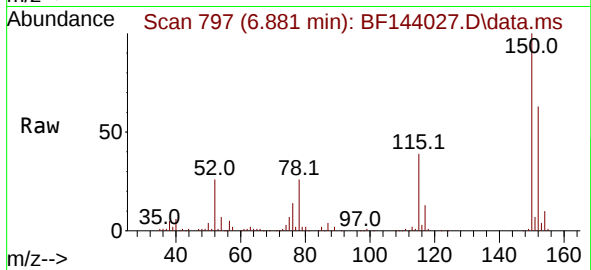




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

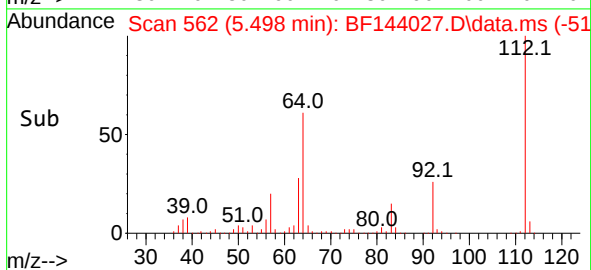
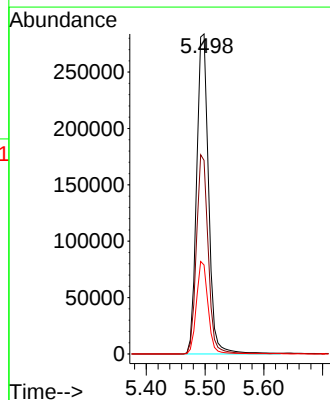
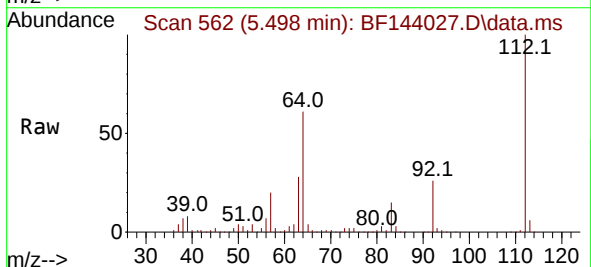
Instrument :
BNA_F
ClientSampleId :
41-LA

Tgt Ion:152 Resp: 113279
Ion Ratio Lower Upper
152 100
150 159.6 124.4 186.6
115 62.3 48.1 72.1



#5
2-Fluorophenol
Concen: 56.236 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Tgt Ion:112 Resp: 401161
Ion Ratio Lower Upper
112 100
64 60.5 49.1 73.7
63 27.8 24.5 36.7

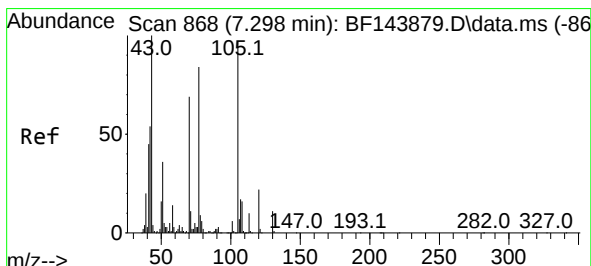
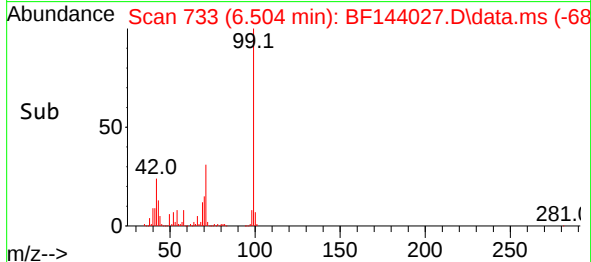
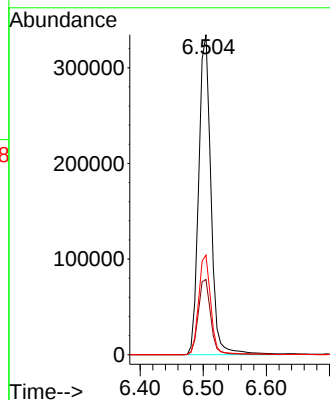
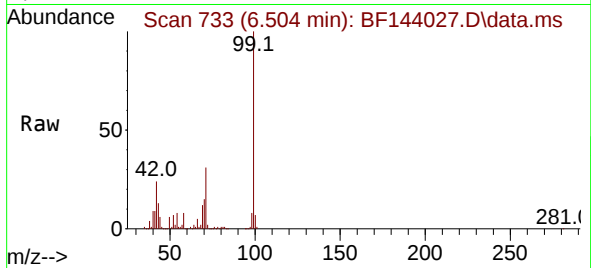




#7
Phenol-d6
Concen: 52.948 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

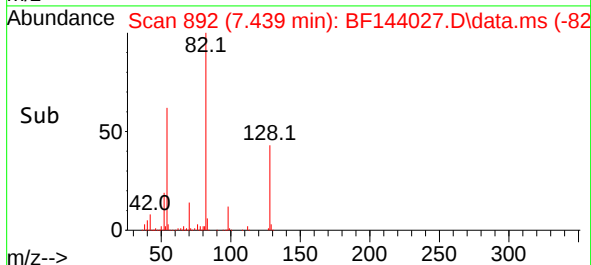
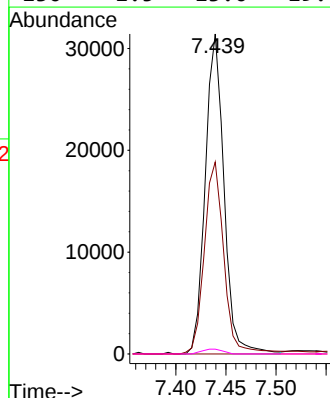
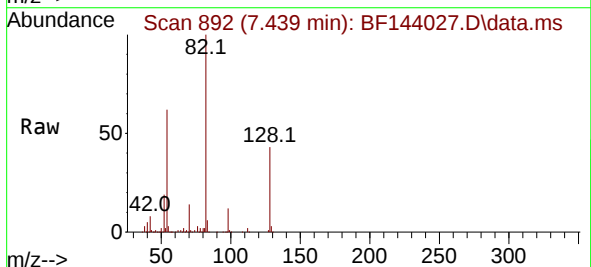
Instrument :
BNA_F
ClientSampleId :
41-LA

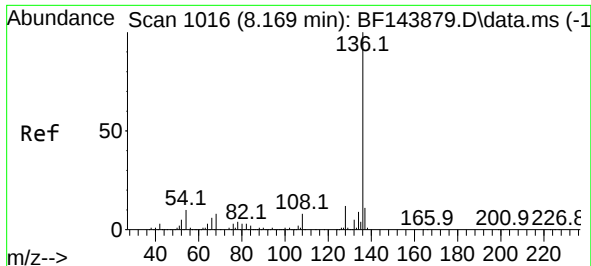
Tgt Ion: 99 Resp: 450204
Ion Ratio Lower Upper
99 100
42 23.5 21.0 31.4
71 31.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.051 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Tgt Ion: 70 Resp: 41038
Ion Ratio Lower Upper
70 100
42 60.0 62.8 94.2#
101 0.0 6.7 10.1#
130 1.5 13.0 19.4#



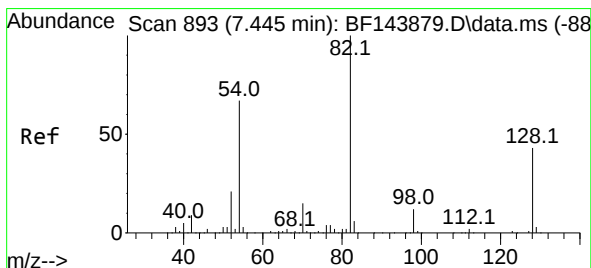
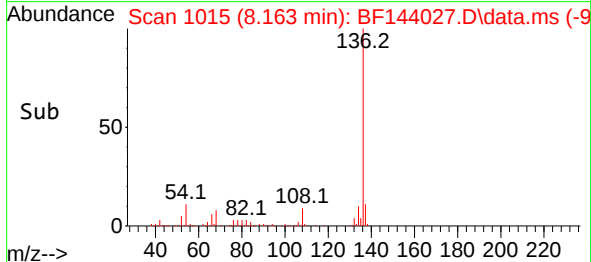
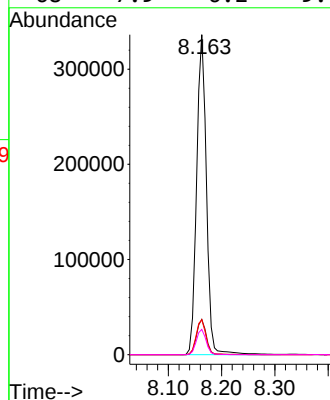
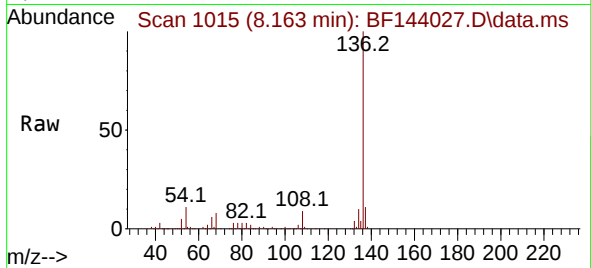


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Instrument :
BNA_F
ClientSampleId :
41-LA

Tgt Ion:136 Resp: 431353

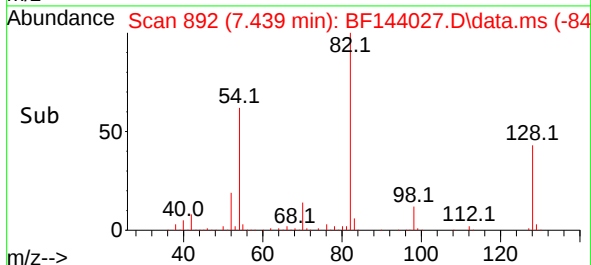
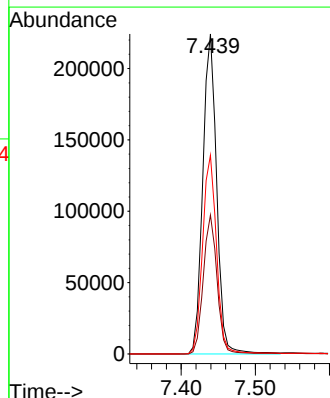
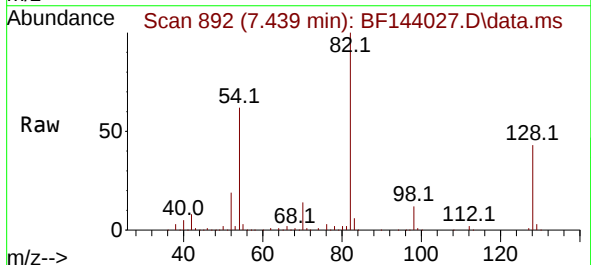
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.9	8.2	12.4
68	7.9	6.2	9.4

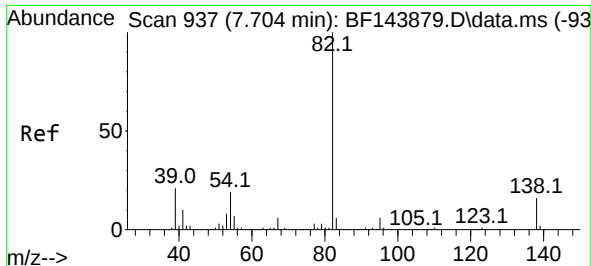


#23
Nitrobenzene-d5
Concen: 41.140 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Tgt Ion: 82 Resp: 292088

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	62.1	53.2	79.8

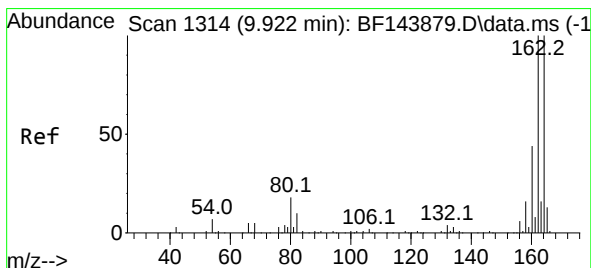
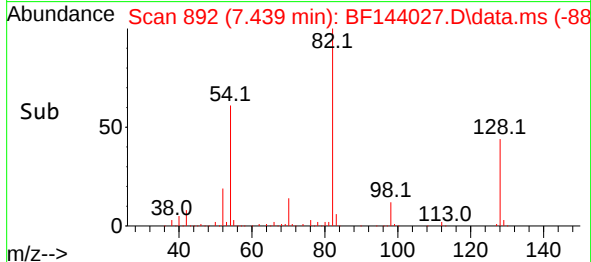
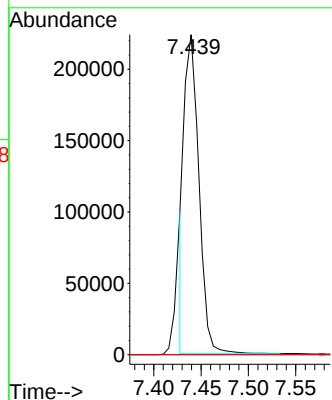
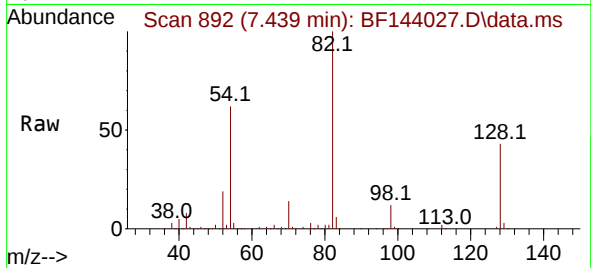




#25
Isophorone
Concen: 16.029 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

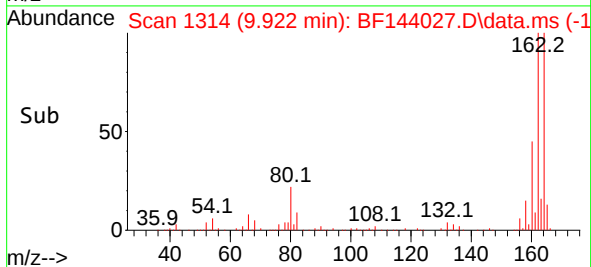
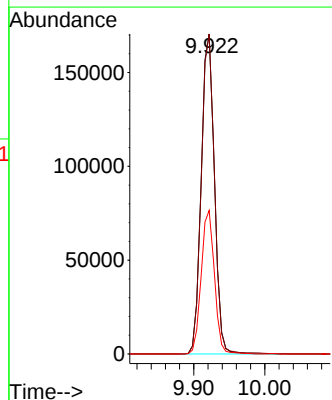
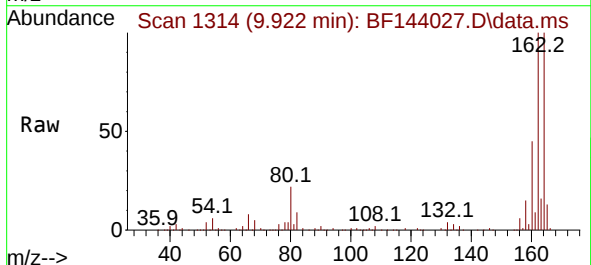
Instrument :
BNA_F
ClientSampleId :
41-LA

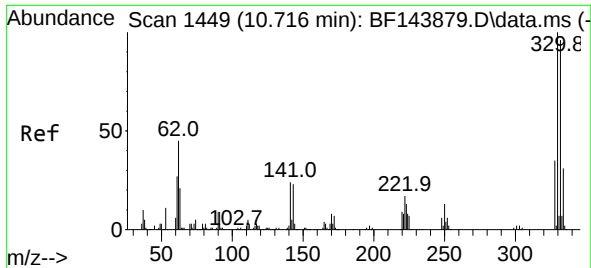
Tgt Ion: 82 Resp: 239966
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Tgt Ion:164 Resp: 220973
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.2
160 44.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 43.633 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144027.D

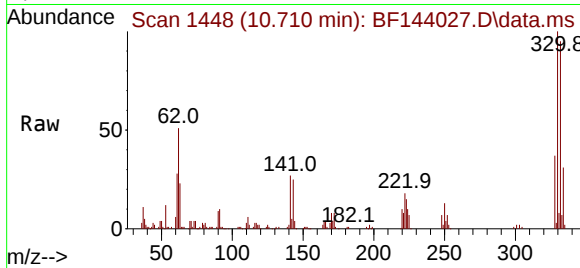
Acq: 21 Oct 2025 22:24

Instrument :

BNA_F

ClientSampleId :

41-LA



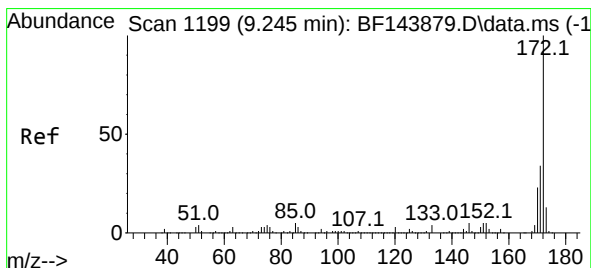
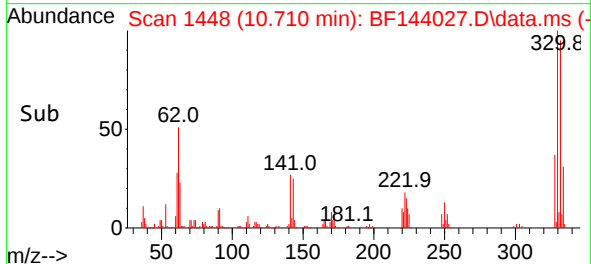
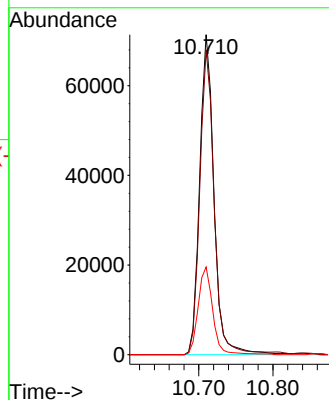
Tgt Ion:330 Resp: 96034

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 28.0 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 27.974 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144027.D

Acq: 21 Oct 2025 22:24

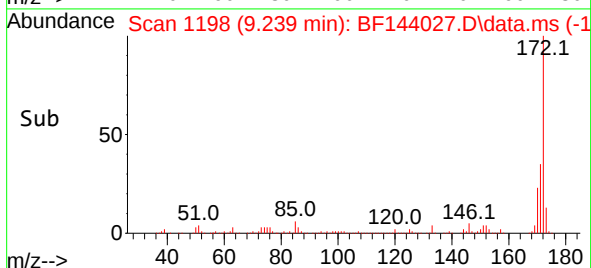
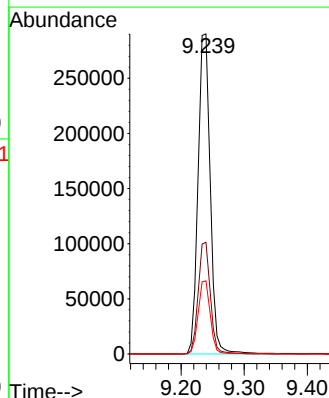
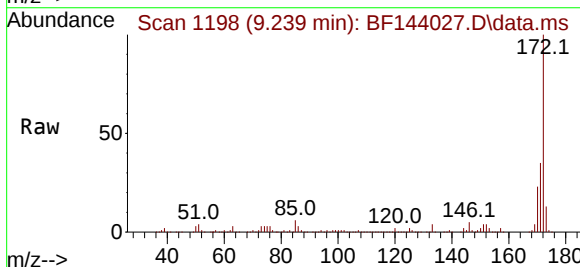
Tgt Ion:172 Resp: 389572

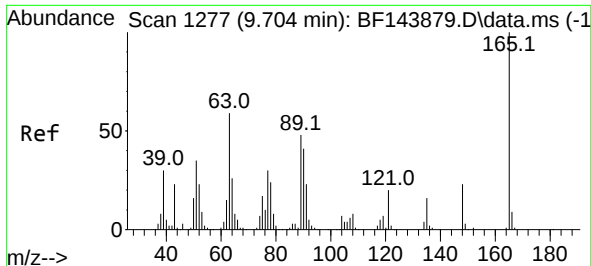
Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

170 22.9 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 11.109 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF144027.D

Acq: 21 Oct 2025 22:24

Instrument :

BNA_F

ClientSampleId :

41-LA

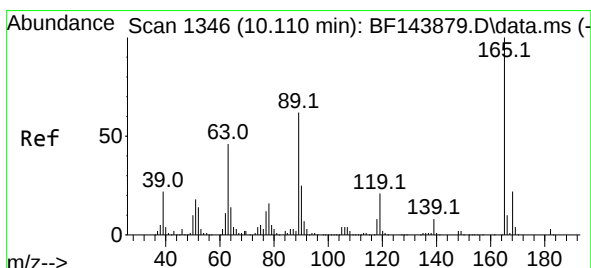
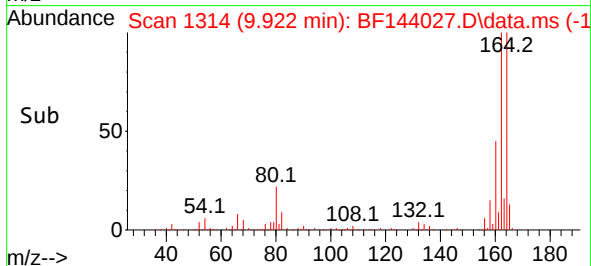
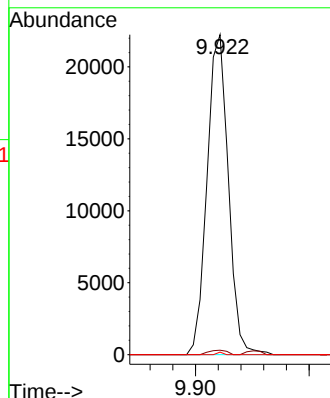
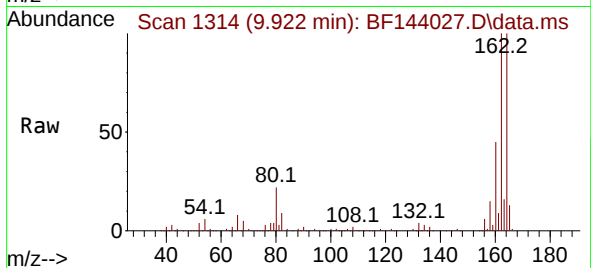
Tgt Ion:165 Resp: 28906

Ion Ratio Lower Upper

165 100

63 1.4 47.3 70.9#

89 0.8 38.2 57.4#



#57

2,4-Dinitrotoluene

Concen: 8.164 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF144027.D

Acq: 21 Oct 2025 22:24

Tgt Ion:165 Resp: 28906

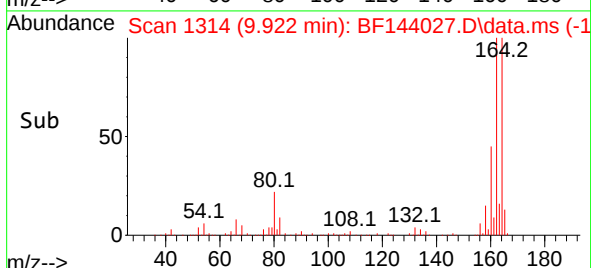
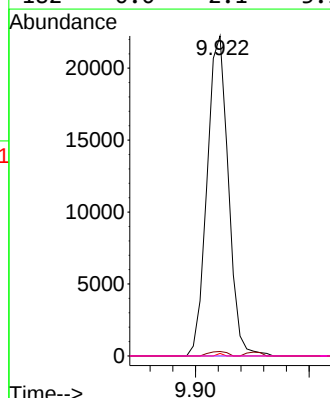
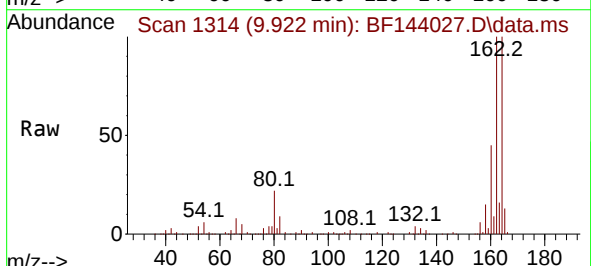
Ion Ratio Lower Upper

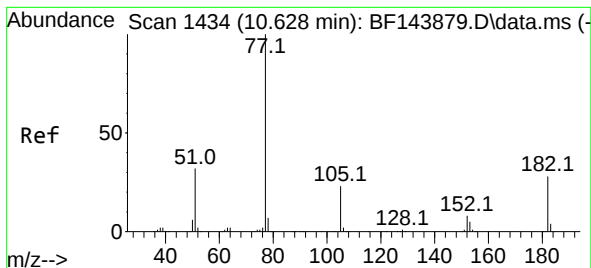
165 100

63 1.4 37.2 55.8#

89 0.8 49.4 74.2#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 4.143 ng

RT: 10.633 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF144027.D

Acq: 21 Oct 2025 22:24

Instrument :

BNA_F

ClientSampleId :

41-LA

Tgt Ion: 77 Resp: 56453

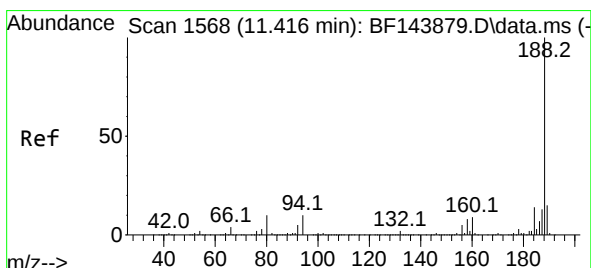
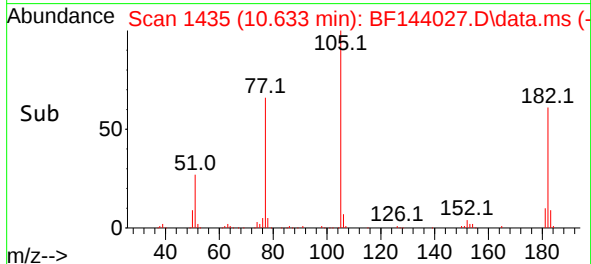
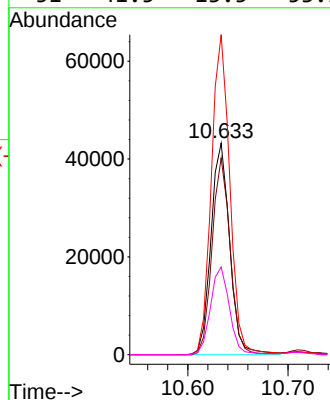
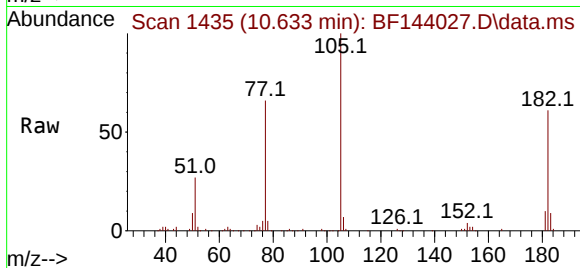
Ion Ratio Lower Upper

77 100

182 93.0 7.3 47.3#

105 151.3 3.0 43.0#

51 41.5 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: BF144027.D

Acq: 21 Oct 2025 22:24

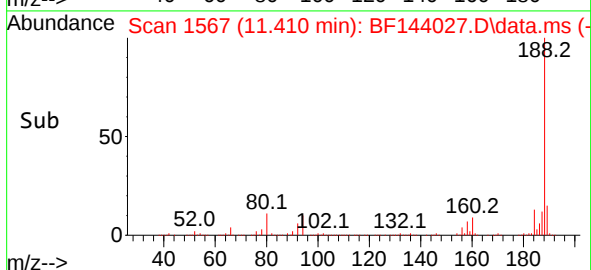
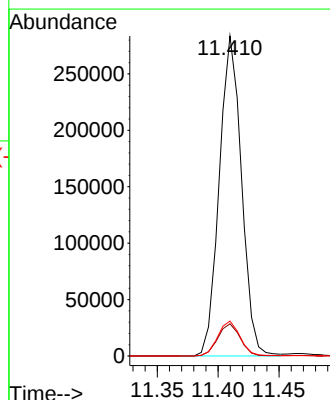
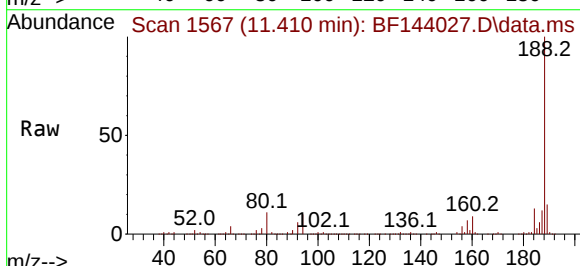
Tgt Ion:188 Resp: 360663

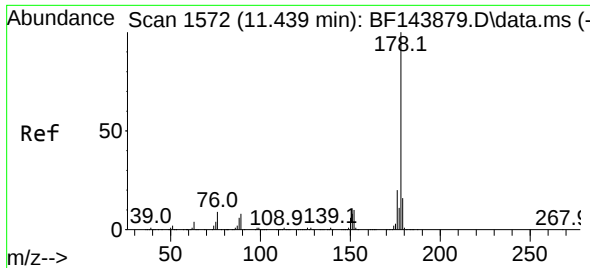
Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

80 10.9 7.9 11.9

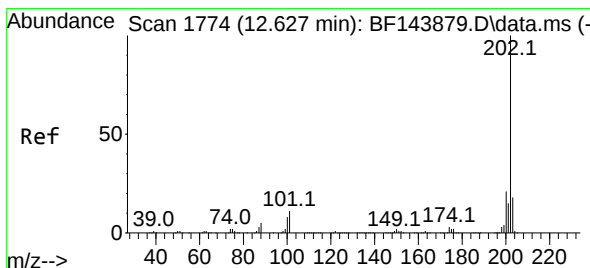
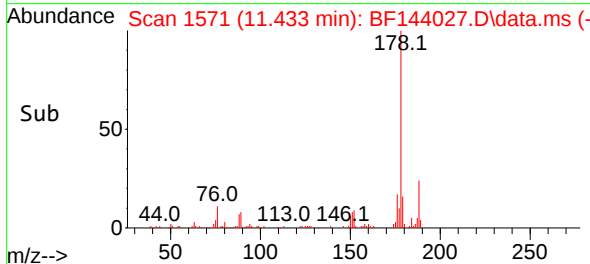
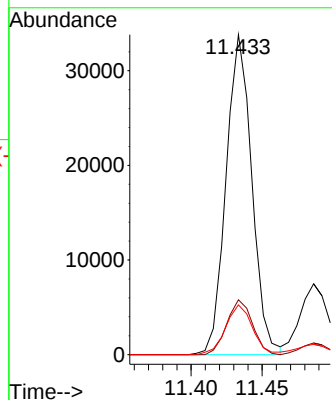
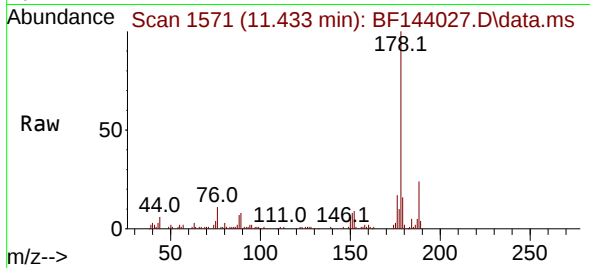




#71
Phenanthrene
Concen: 2.442 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

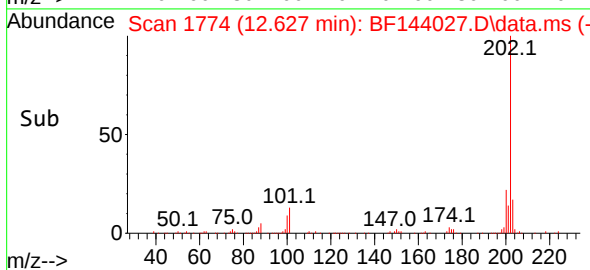
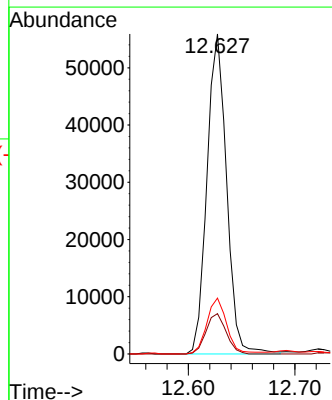
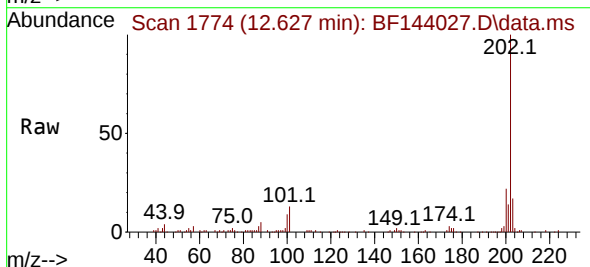
Instrument :
BNA_F
ClientSampleId :
41-LA

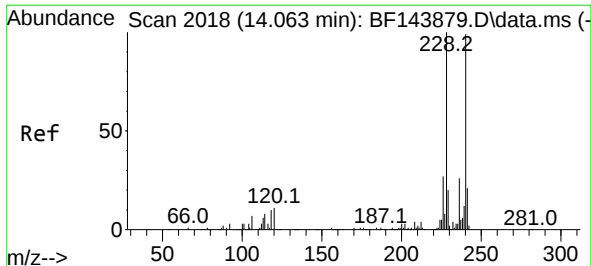
Tgt Ion:178	Resp:	42691
Ion Ratio	Lower	Upper
178	100	
176	17.2	15.9 23.9
179	15.5	12.4 18.6



#75
Fluoranthene
Concen: 3.963 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Tgt Ion:202	Resp:	71573
Ion Ratio	Lower	Upper
202	100	
101	12.6	0.0 30.7
203	17.4	0.0 37.8

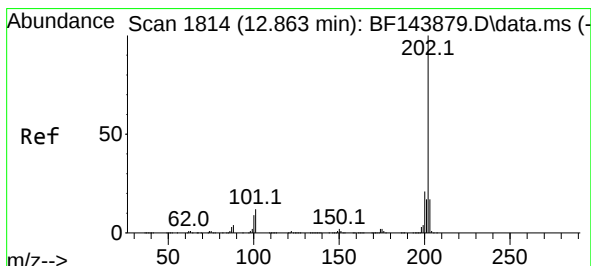
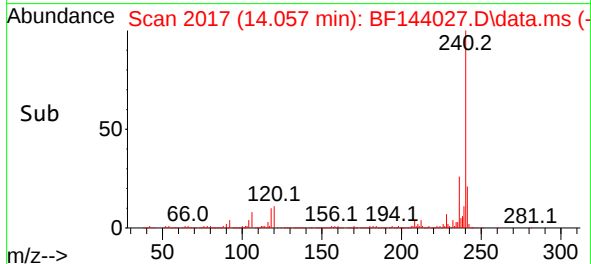
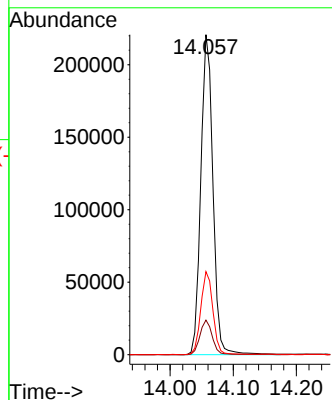
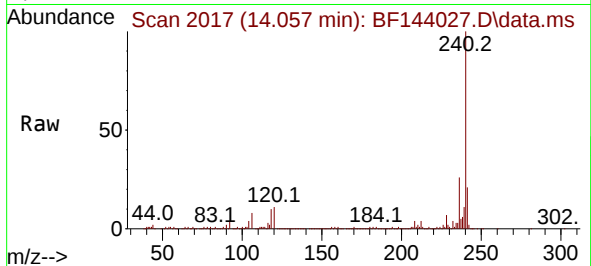




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

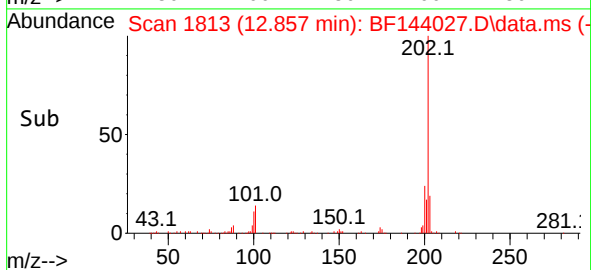
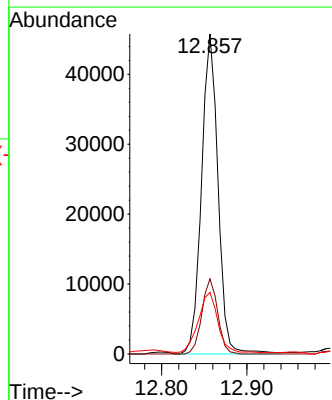
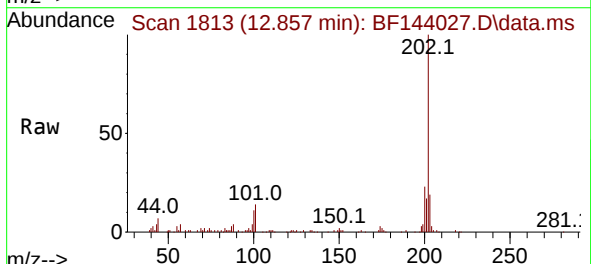
Instrument :
BNA_F
ClientSampleId :
41-LA

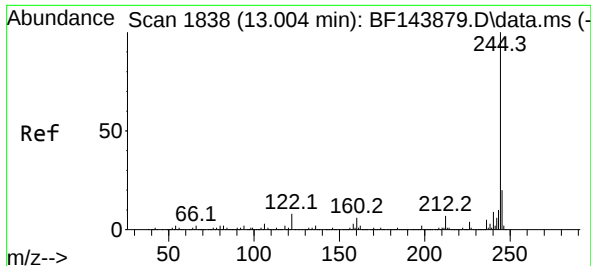
Tgt Ion:240 Resp: 293573
Ion Ratio Lower Upper
240 100
120 10.8 8.6 13.0
236 25.9 21.1 31.7



#78
Pyrene
Concen: 2.516 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Tgt Ion:202 Resp: 61586
Ion Ratio Lower Upper
202 100
200 23.4 17.0 25.6
203 19.3 13.8 20.6

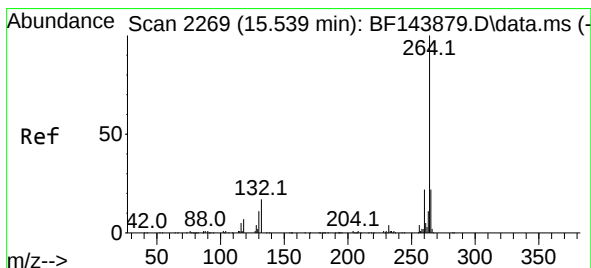
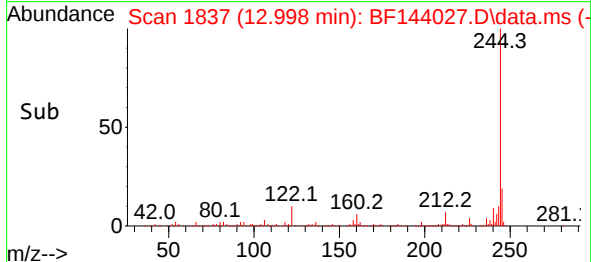
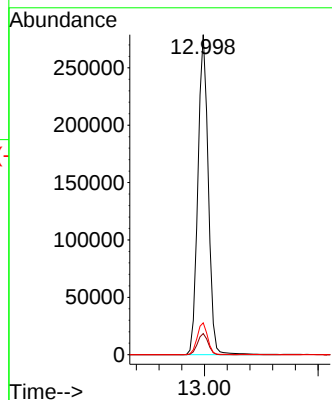
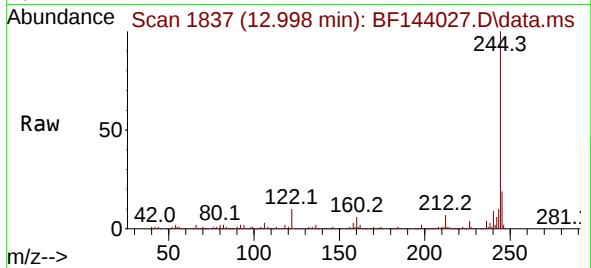




#79
 Terphenyl-d14
 Concen: 20.683 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144027.D
 Acq: 21 Oct 2025 22:24

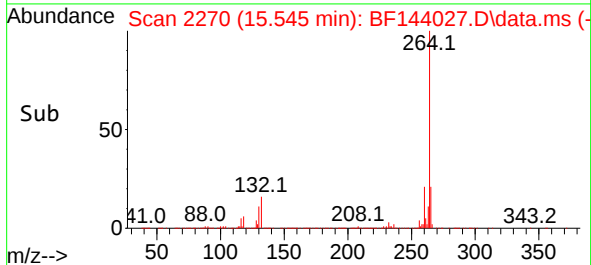
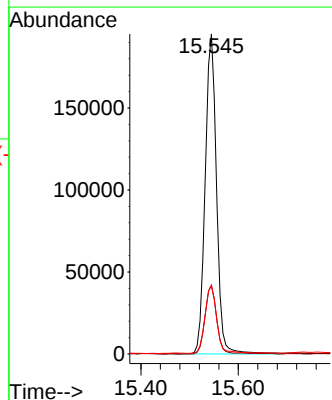
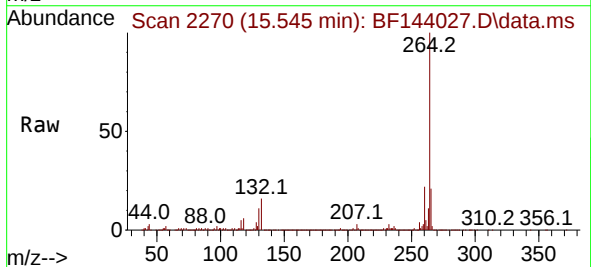
Instrument :
 BNA_F
 ClientSampleId :
 41-LA

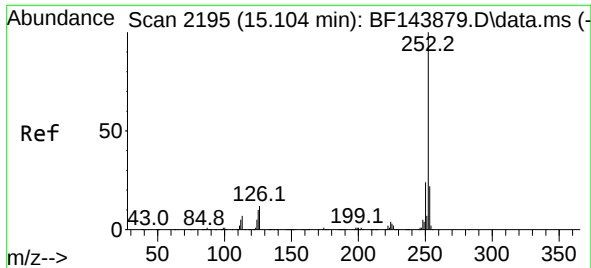
Tgt Ion:244 Resp: 355273
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.0 6.4 9.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF144027.D
 Acq: 21 Oct 2025 22:24

Tgt Ion:264 Resp: 314832
 Ion Ratio Lower Upper
 264 100
 260 21.5 17.8 26.8
 265 21.3 17.5 26.3

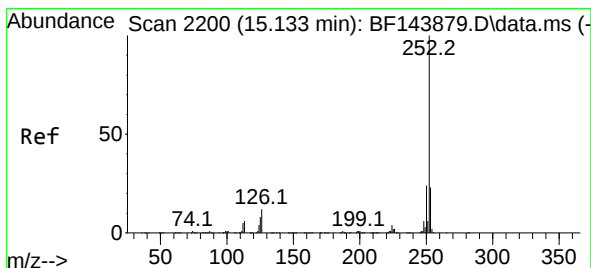
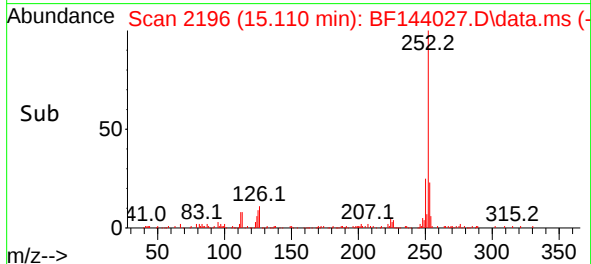
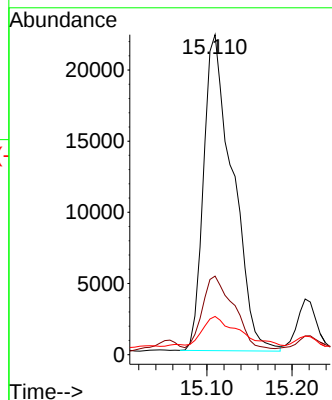
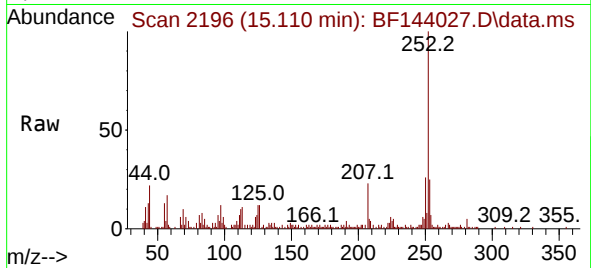




#88
Benzo(b)fluoranthene
Concen: 2.911 ng
RT: 15.110 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Instrument :
BNA_F
ClientSampleId :
41-LA

Tgt Ion:252 Resp: 52640
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 12.0 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 3.146 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Tgt Ion:252 Resp: 52640
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 12.0 7.4 11.2#

