

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143959.D
 Acq On : 15 Oct 2025 18:26
 Operator : RC/JU
 Sample : Q3341-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-2

Quant Time: Oct 16 11:10:30 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)

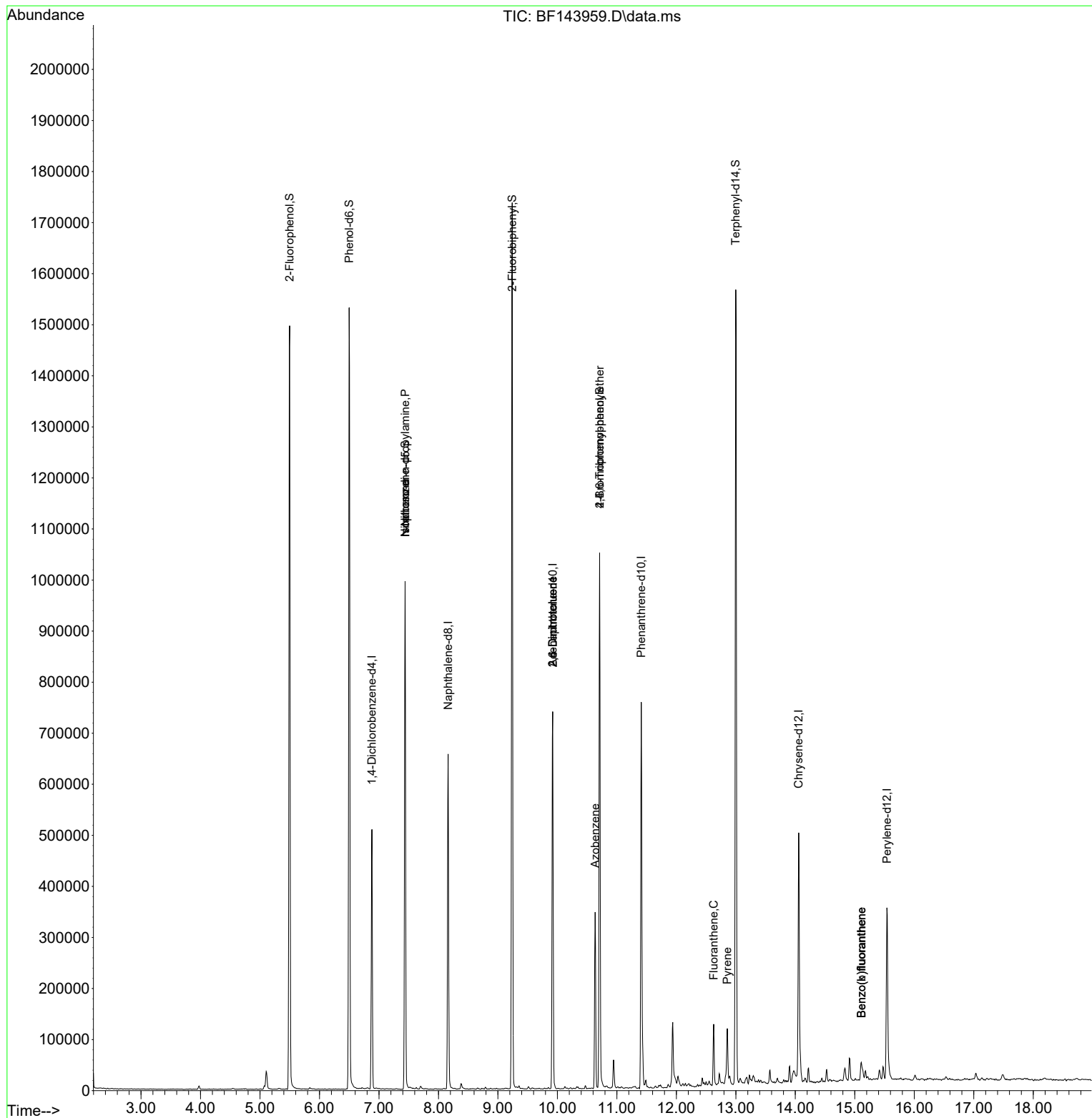
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	102022	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	410764	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	225605	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	391764	20.000	ng	0.00
76) Chrysene-d12	14.057	240	223504	20.000	ng	-0.01
86) Perylene-d12	15.539	264	212880	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	582691	90.697	ng	0.00
7) Phenol-d6	6.498	99	695069	90.765	ng	-0.02
23) Nitrobenzene-d5	7.440	82	421144	62.290	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	192158	85.515	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	819494	57.637	ng	-0.01
79) Terphenyl-d14	12.998	244	825981	63.161	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	59587	11.368	ng	# 75
25) Isophorone	7.440	82	346462	24.303	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	29680	11.172	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	29680	8.211	ng	# 26
63) Azobenzene	10.634	77	86368	6.209	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	12155	2.807	ng	# 1
75) Fluoranthene	12.628	202	67089	3.420	ng	95
78) Pyrene	12.857	202	62273	3.342	ng	99
88) Benzo(b)fluoranthene	15.110	252	32148	2.629	ng	# 97
89) Benzo(k)fluoranthene	15.110	252	32148	2.841	ng	# 96

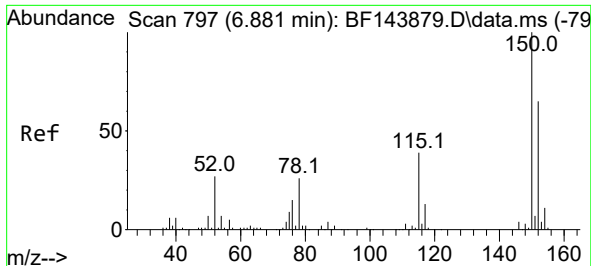
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
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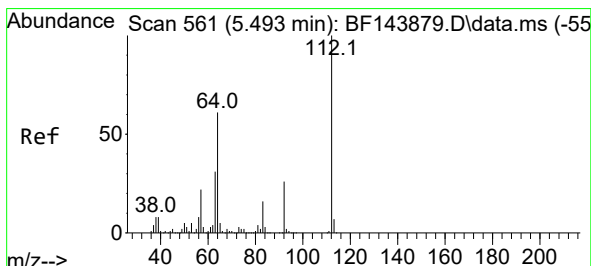
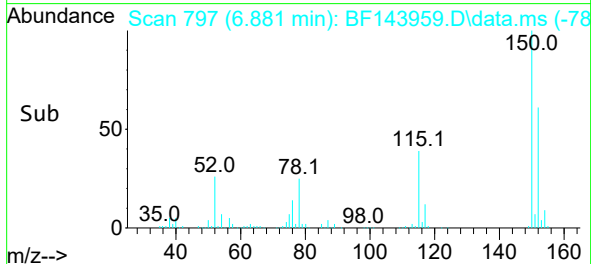
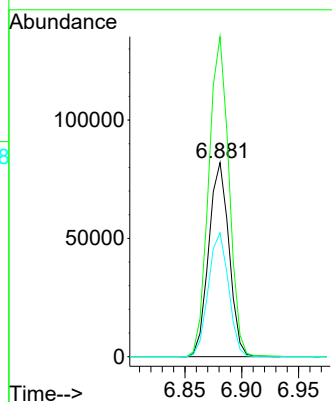
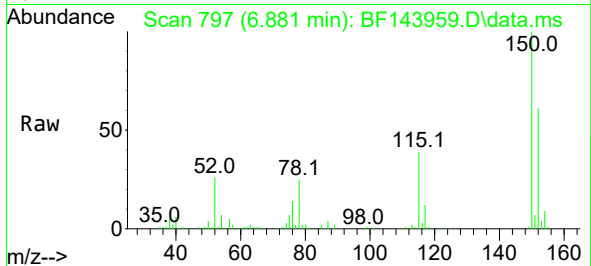




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.005 min
 Lab File: BF143959.D
 Acq: 15 Oct 2025 18:26

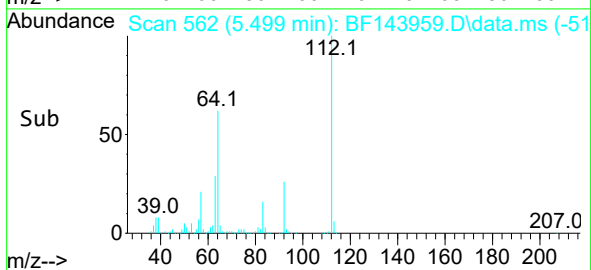
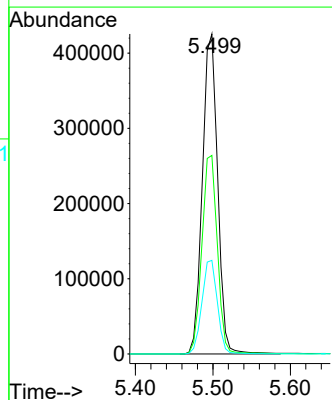
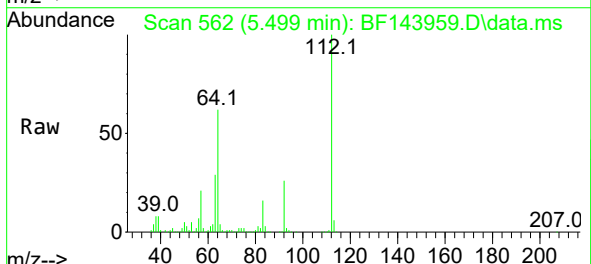
Instrument :
 BNA_F
 ClientSampleId :
 C-2

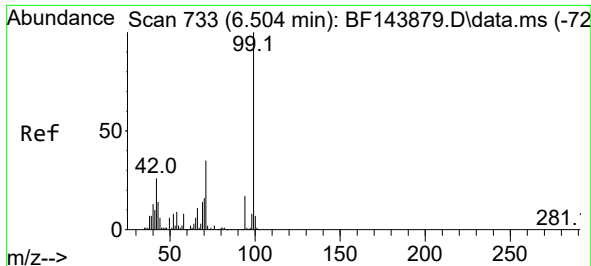
Tgt Ion:152 Resp: 102022
 Ion Ratio Lower Upper
 152 100
 150 164.8 124.4 186.6
 115 63.7 48.1 72.1



#5
 2-Fluorophenol
 Concen: 90.697 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: BF143959.D
 Acq: 15 Oct 2025 18:26

Tgt Ion:112 Resp: 582691
 Ion Ratio Lower Upper
 112 100
 64 62.0 49.1 73.7
 63 29.3 24.5 36.7

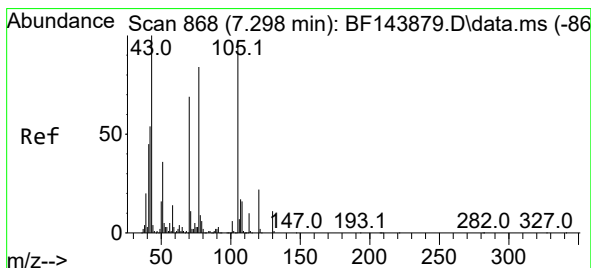
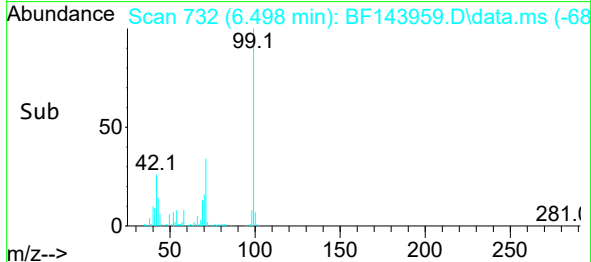
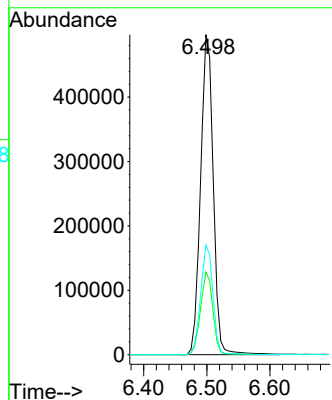
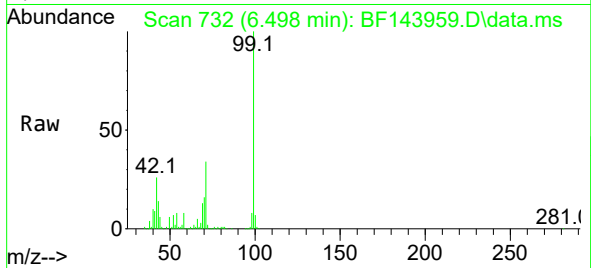




#7
Phenol-d6
Concen: 90.765 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

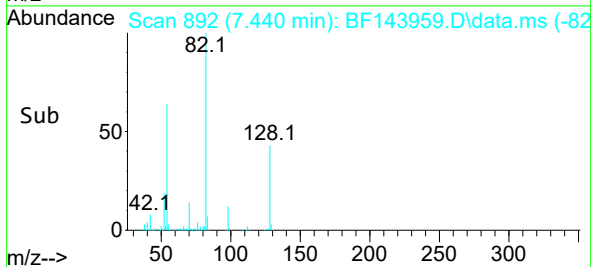
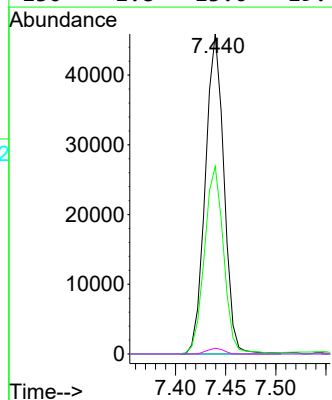
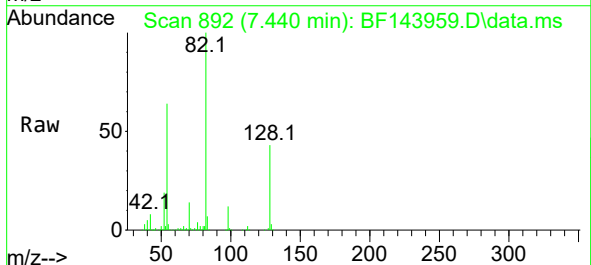
Instrument :
BNA_F
ClientSampleId :
C-2

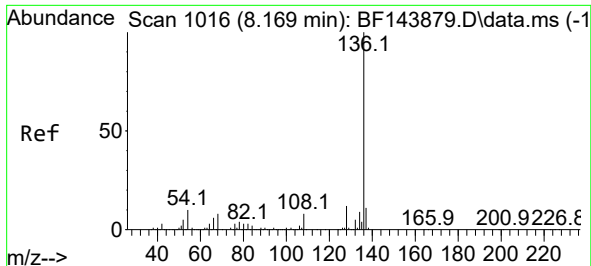
Tgt Ion: 99 Resp: 695069
Ion Ratio Lower Upper
99 100
42 25.8 21.0 31.4
71 34.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.368 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

Tgt Ion: 70 Resp: 59587
Ion Ratio Lower Upper
70 100
42 58.6 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#

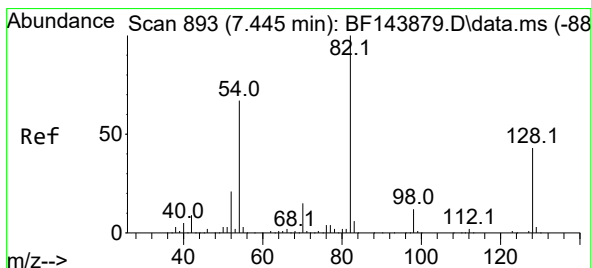
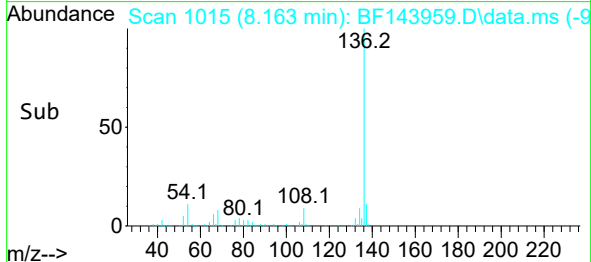
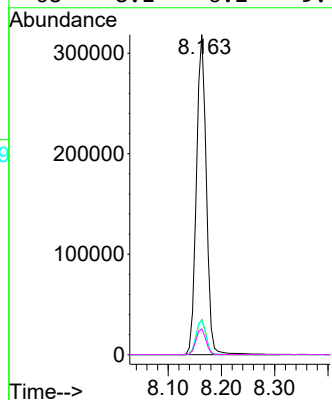
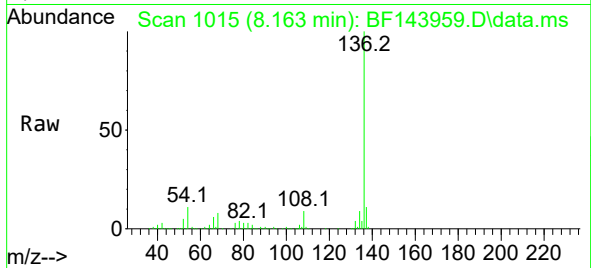




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

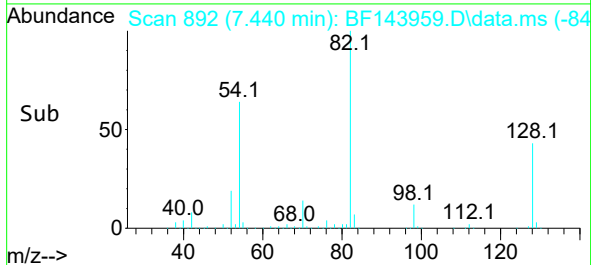
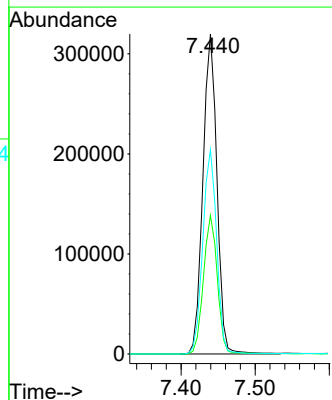
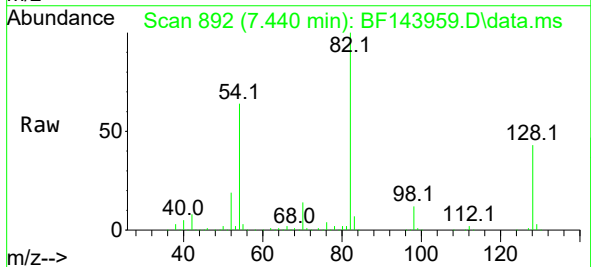
Instrument :
BNA_F
ClientSampleId :
C-2

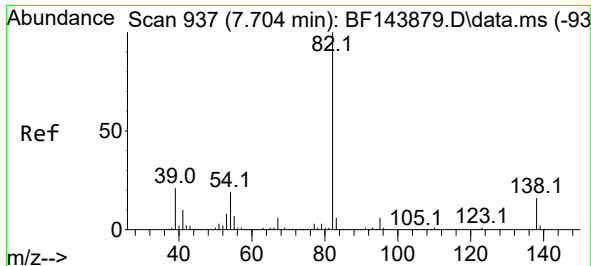
Tgt Ion:136 Resp: 410764
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.7 8.2 12.4
68 8.1 6.2 9.4



#23
Nitrobenzene-d5
Concen: 62.290 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

Tgt Ion: 82 Resp: 421144
Ion Ratio Lower Upper
82 100
128 43.3 34.0 51.0
54 63.9 53.2 79.8

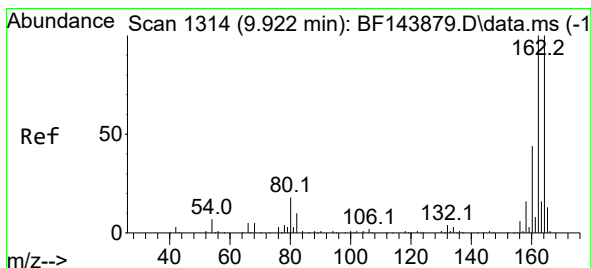
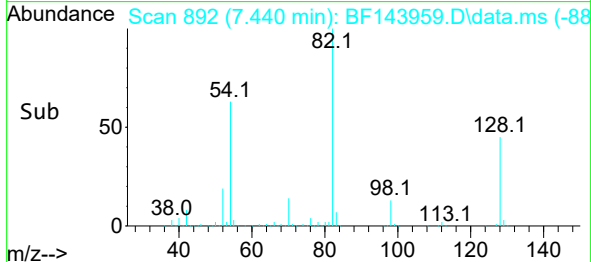
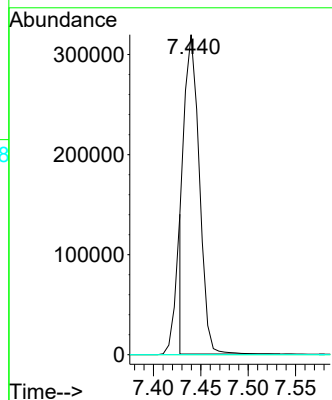
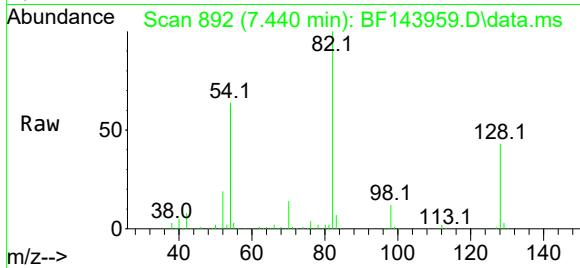




#25
Isophorone
Concen: 24.303 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

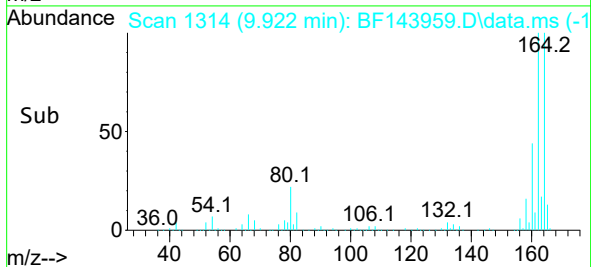
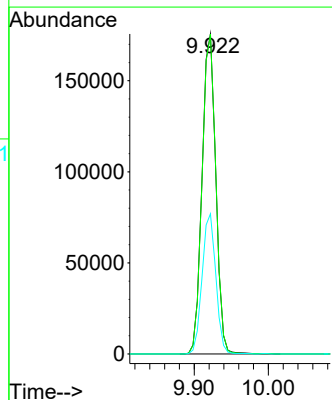
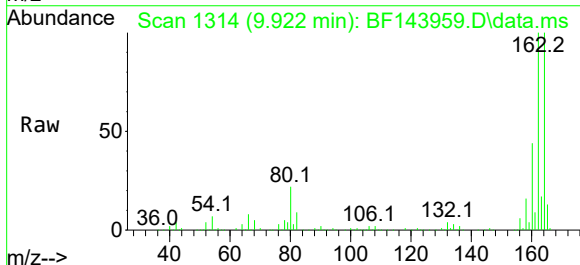
Instrument :
BNA_F
ClientSampleId :
C-2

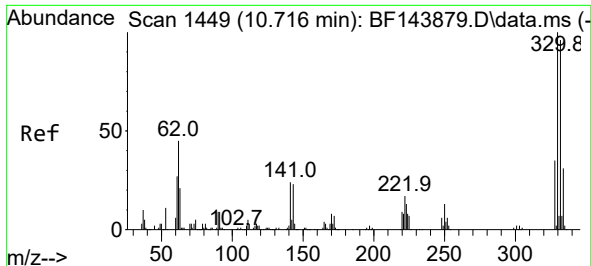
Tgt Ion: 82 Resp: 346462
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

Tgt Ion: 164 Resp: 225605
Ion Ratio Lower Upper
164 100
162 99.9 80.2 120.2
160 43.8 35.4 53.0

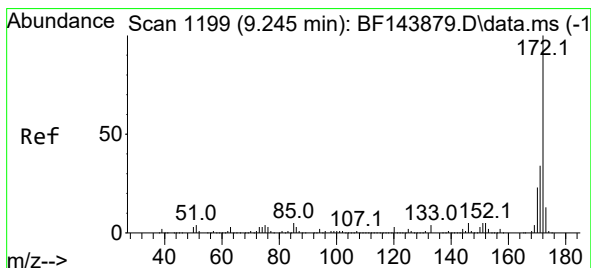
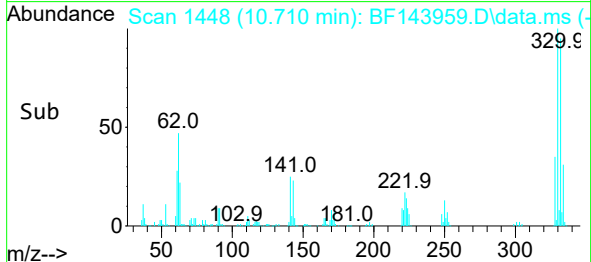
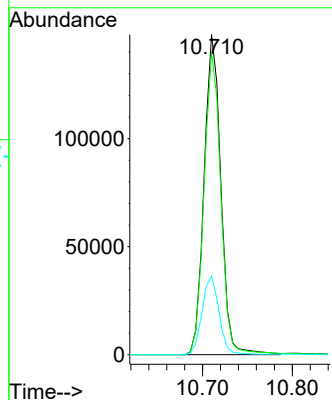
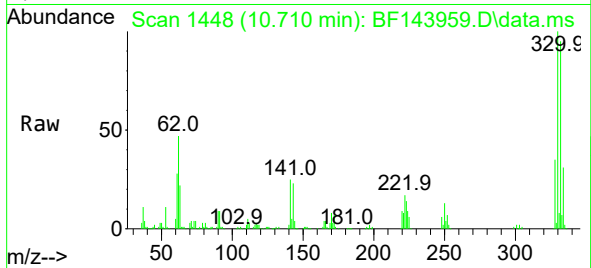




#42
2,4,6-Tribromophenol
Concen: 85.515 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

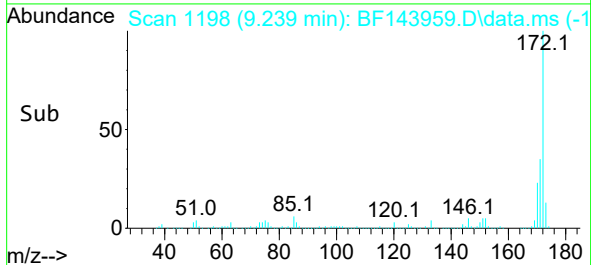
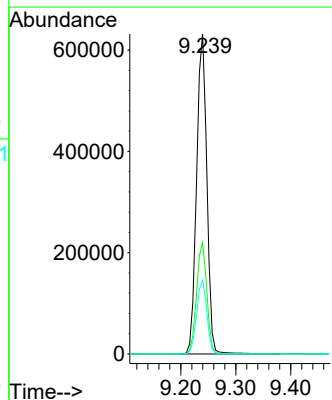
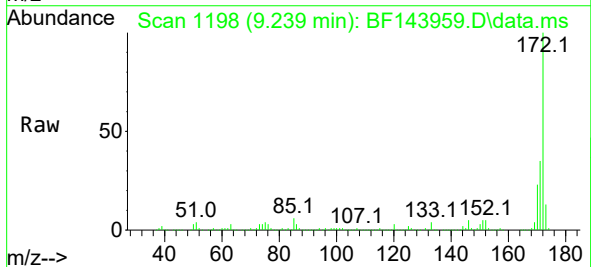
Instrument :
BNA_F
ClientSampleId :
C-2

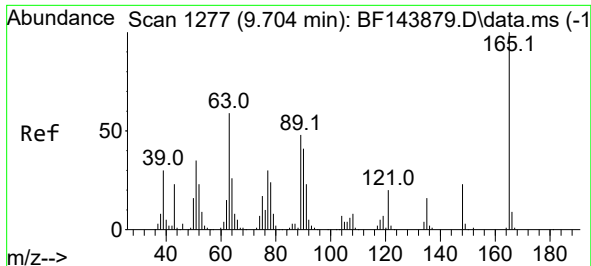
Tgt Ion:330 Resp: 192158
Ion Ratio Lower Upper
330 100
332 94.9 76.9 115.3
141 24.9 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 57.637 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

Tgt Ion:172 Resp: 819494
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.1 18.6 28.0

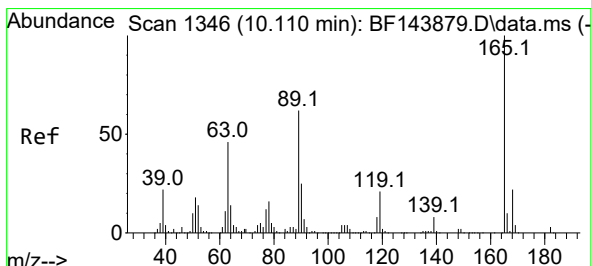
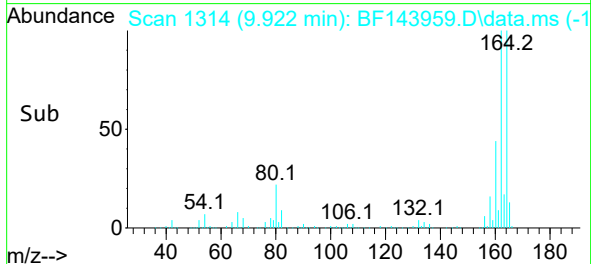
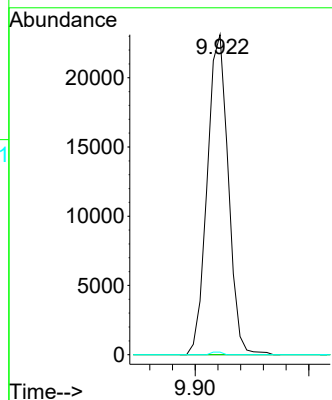
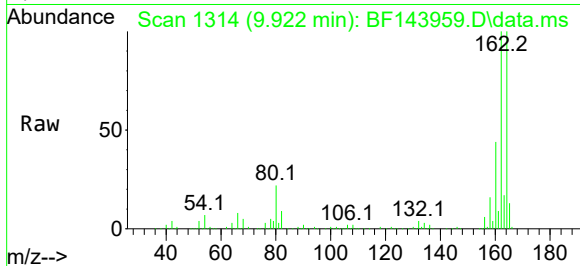




#51
2,6-Dinitrotoluene
Concen: 11.172 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

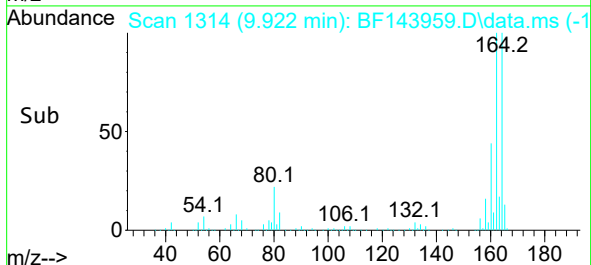
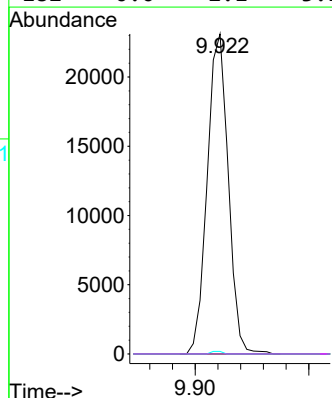
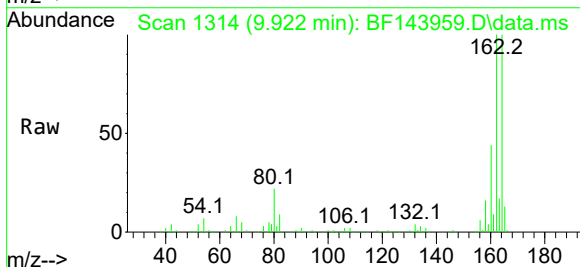
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BNA_F
ClientSampleId :
C-2

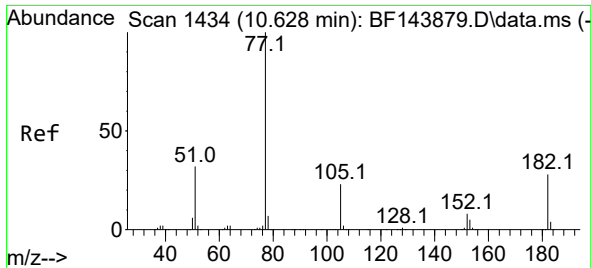
Tgt Ion:165 Resp: 29680
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.8 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.211 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

Tgt Ion:165 Resp: 29680
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.8 49.4 74.2#
182 0.0 2.1 3.1#

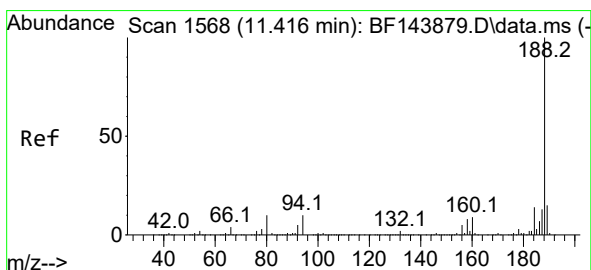
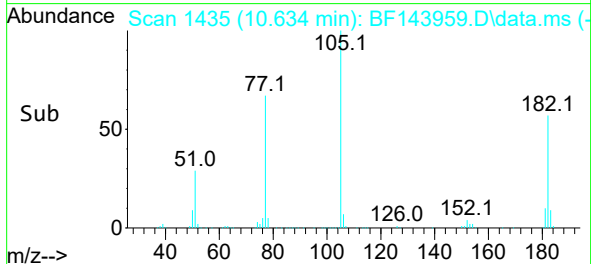
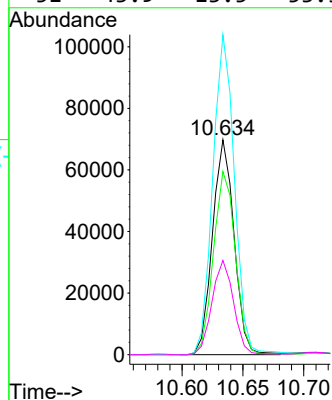
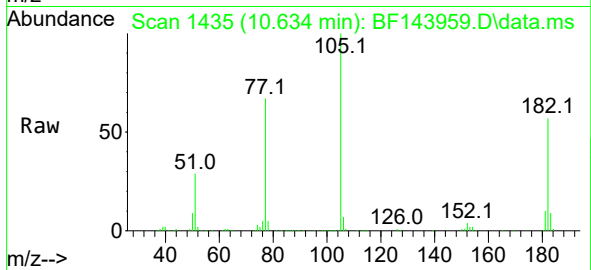




#63
Azobenzene
Concen: 6.209 ng
RT: 10.634 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

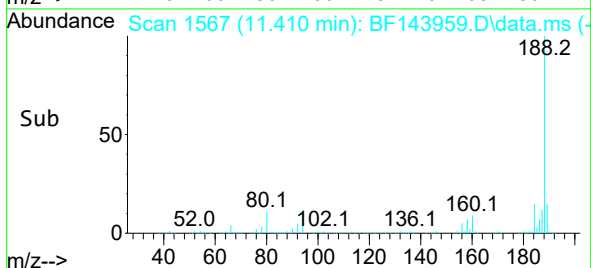
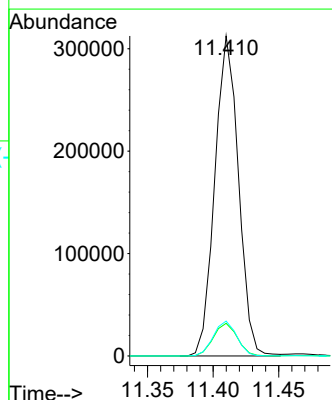
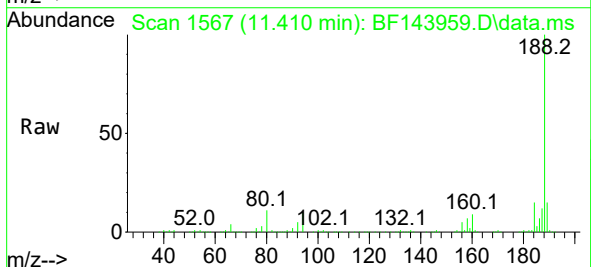
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C-2

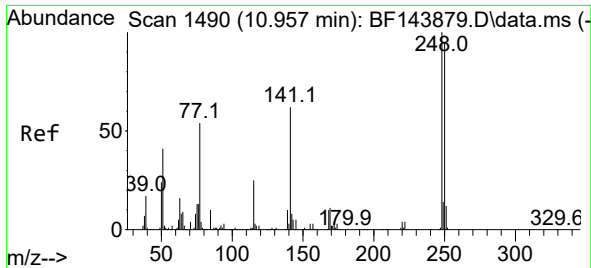
Tgt Ion: 77 Resp: 86368
Ion Ratio Lower Upper
77 100
182 85.3 7.3 47.3#
105 148.9 3.0 43.0#
51 43.9 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

Tgt Ion: 188 Resp: 391764
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 10.9 7.9 11.9

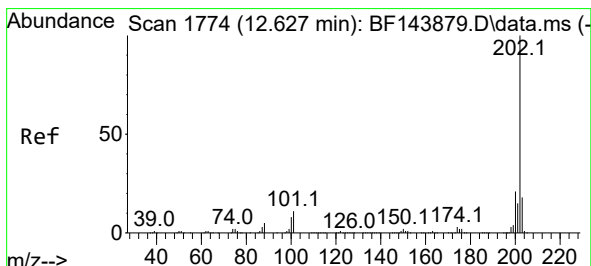
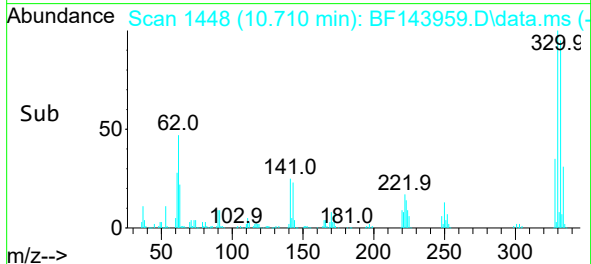
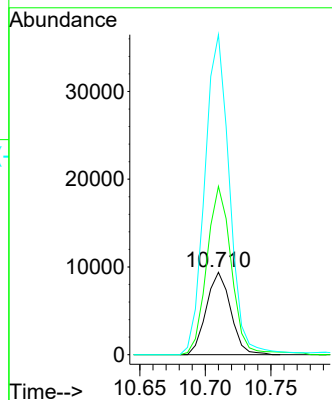
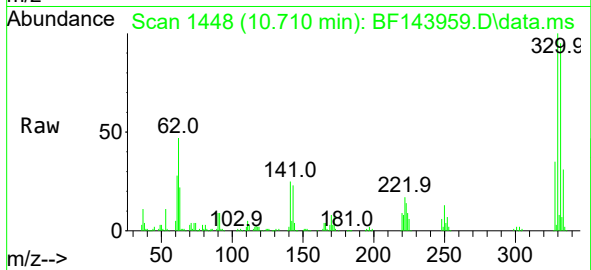




#67
4-Bromophenyl-phenylether
Concen: 2.807 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

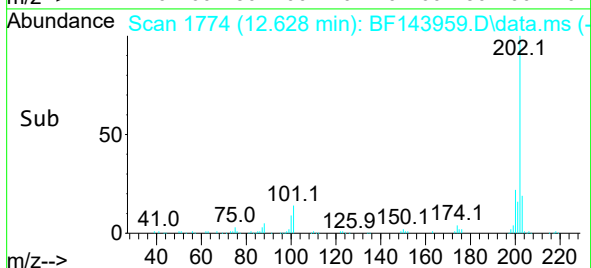
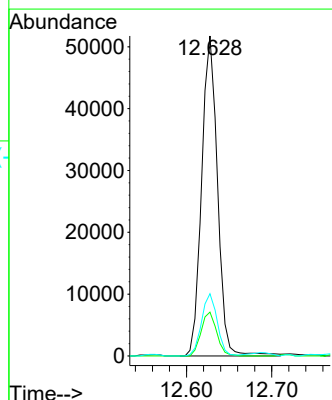
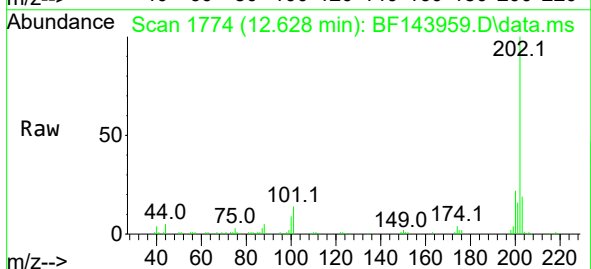
Instrument :
BNA_F
ClientSampleId :
C-2

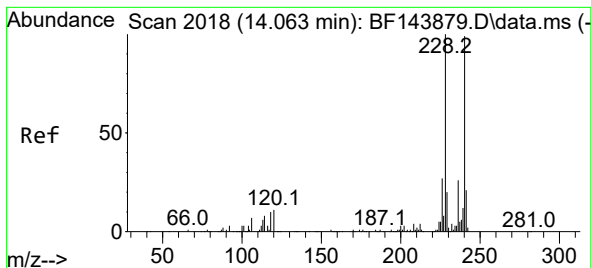
Tgt Ion:248 Resp: 12155
Ion Ratio Lower Upper
248 100
250 204.2 76.3 114.5#
141 388.3 49.7 74.5#



#75
Fluoranthene
Concen: 3.420 ng
RT: 12.628 min Scan# 1774
Delta R.T. -0.005 min
Lab File: BF143959.D
Acq: 15 Oct 2025 18:26

Tgt Ion:202 Resp: 67089
Ion Ratio Lower Upper
202 100
101 13.7 0.0 30.7
203 19.4 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: BF143959.D

Acq: 15 Oct 2025 18:26

Instrument :

BNA_F

ClientSampleId :

C-2

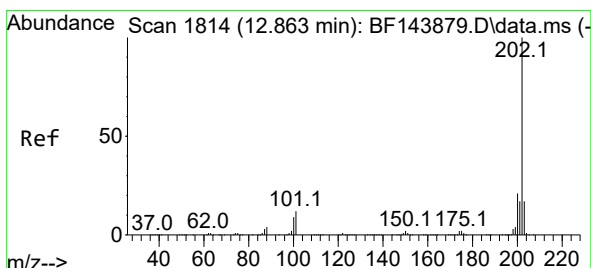
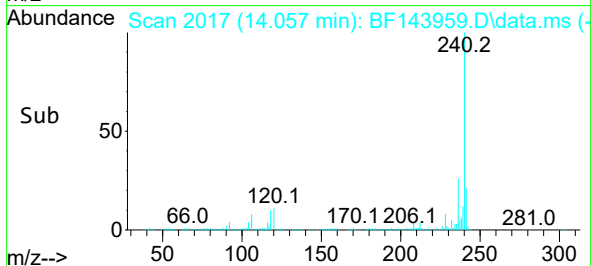
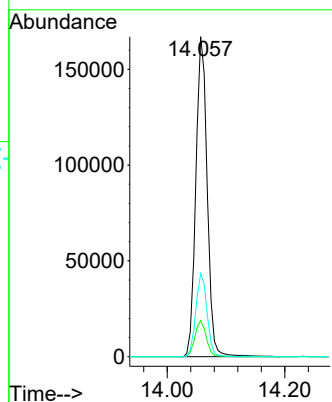
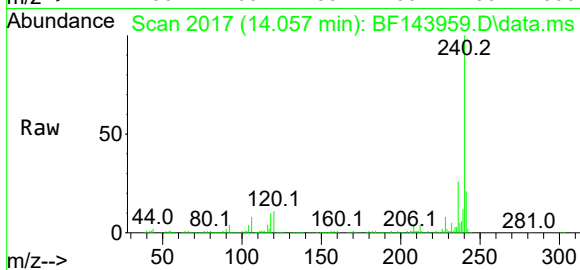
Tgt Ion:240 Resp: 223504

Ion Ratio Lower Upper

240 100

120 11.3 8.6 13.0

236 25.9 21.1 31.7



#78

Pyrene

Concen: 3.342 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143959.D

Acq: 15 Oct 2025 18:26

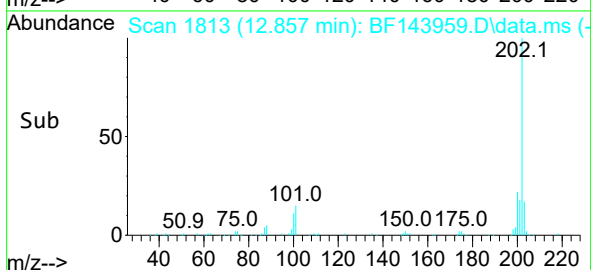
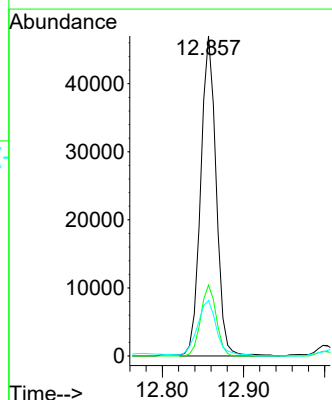
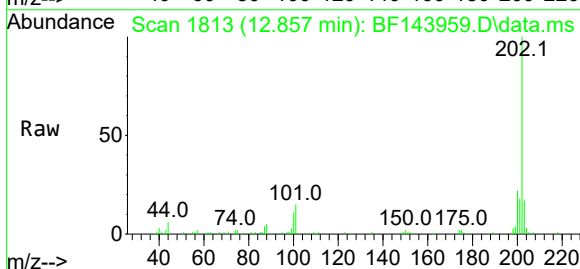
Tgt Ion:202 Resp: 62273

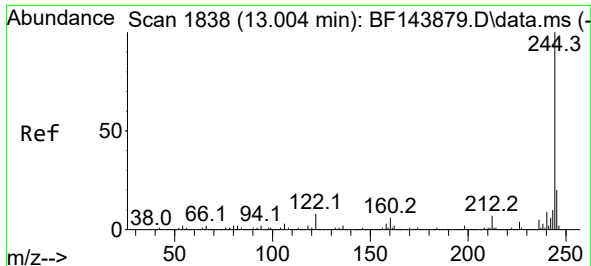
Ion Ratio Lower Upper

202 100

200 22.1 17.0 25.6

203 17.3 13.8 20.6

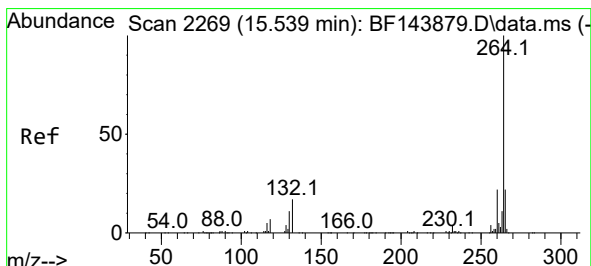
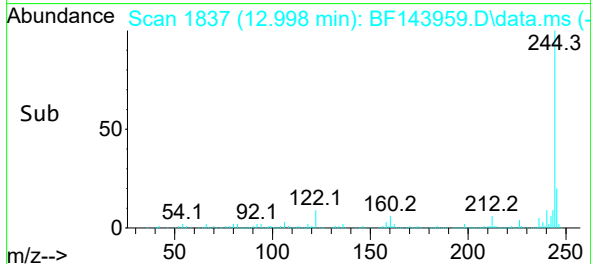
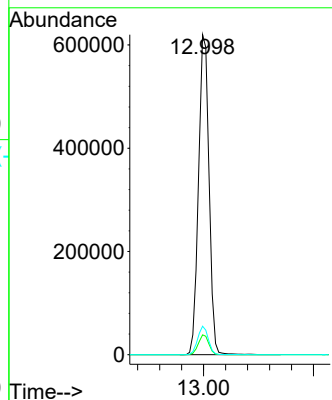
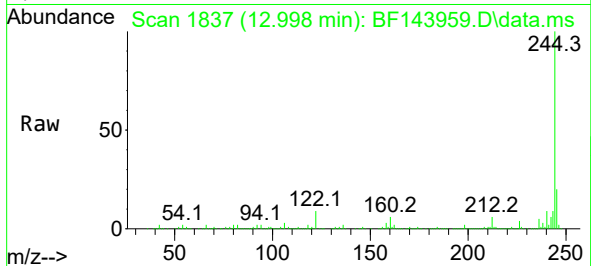




#79
 Terphenyl-d14
 Concen: 63.161 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF143959.D
 Acq: 15 Oct 2025 18:26

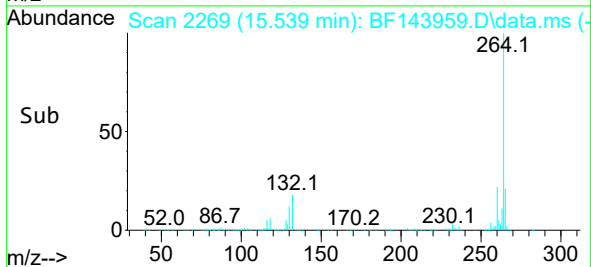
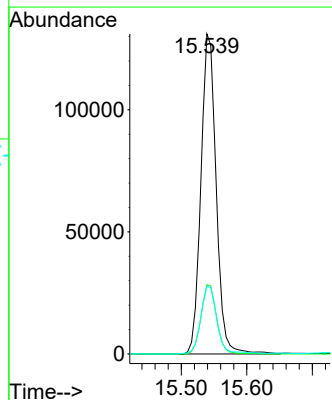
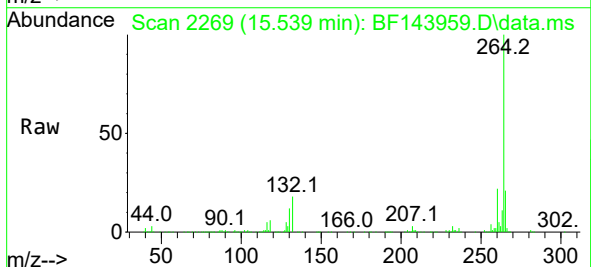
Instrument :
 BNA_F
 ClientSampleId :
 C-2

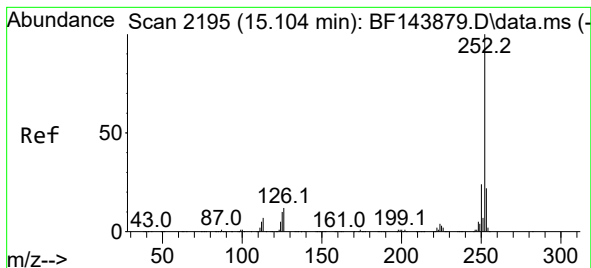
Tgt Ion:244 Resp: 825981
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 8.9 6.4 9.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF143959.D
 Acq: 15 Oct 2025 18:26

Tgt Ion:264 Resp: 212880
 Ion Ratio Lower Upper
 264 100
 260 21.6 17.8 26.8
 265 21.1 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.629 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143959.D

Acq: 15 Oct 2025 18:26

Instrument :

BNA_F

ClientSampleId :

C-2

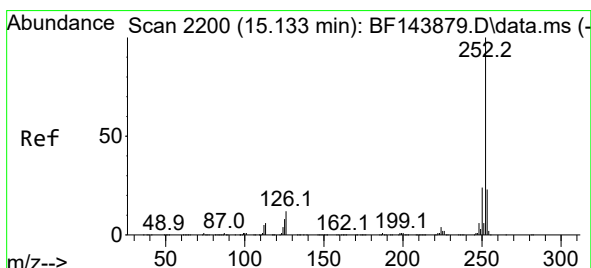
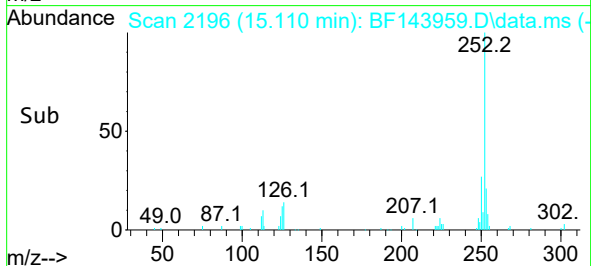
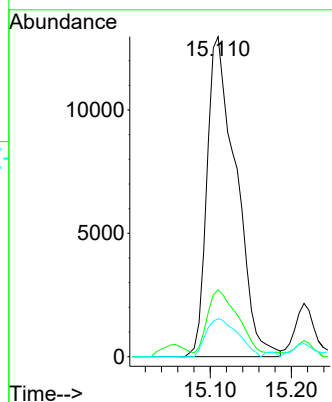
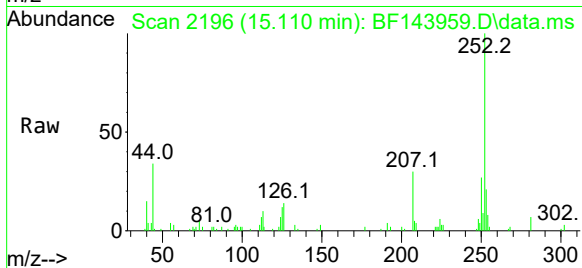
Tgt Ion:252 Resp: 32148

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

125 11.8 7.8 11.6#



#89

Benzo(k)fluoranthene

Concen: 2.841 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF143959.D

Acq: 15 Oct 2025 18:26

Tgt Ion:252 Resp: 32148

Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.8

125 11.8 7.4 11.2#

