

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143805.D
 Acq On : 25 Sep 2025 15:51
 Operator : RC/JU
 Sample : Q3189-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Quant Time: Sep 25 16:15:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

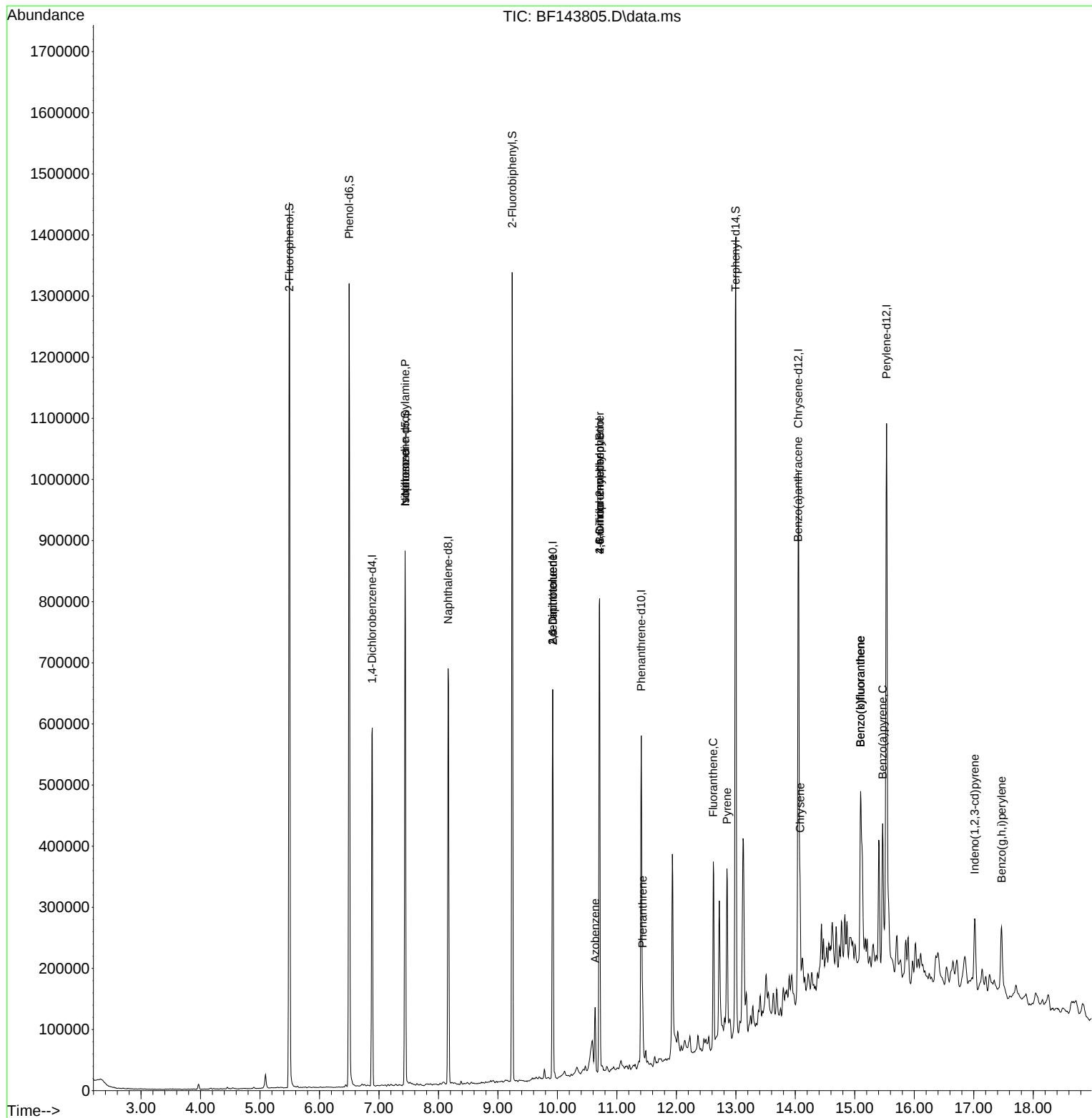
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	118222	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	408216	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	179018	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	259668	20.000	ng	0.00
76) Chrysene-d12	14.051	240	399315	20.000	ng	-0.01
86) Perylene-d12	15.533	264	590308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	488237	67.097	ng	0.00
7) Phenol-d6	6.498	99	556418	66.181	ng	-0.01
23) Nitrobenzene-d5	7.440	82	332240	49.819	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	173043	65.283	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	562532	49.036	ng	0.00
79) Terphenyl-d14	12.998	244	710586	36.191	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	46860	8.667	ng	# 76
25) Isophorone	7.440	82	329388	25.346	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	23216	12.950	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	23216	11.114	ng	# 20
63) Azobenzene	10.634	77	24138	2.242	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	126	4.313	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9271	2.095	ng	# 1
71) Phenanthrene	11.433	178	49627	3.723	ng	99
75) Fluoranthene	12.622	202	171529	12.793	ng	99
78) Pyrene	12.851	202	161890	8.246	ng	97
81) Benzo(a)anthracene	14.045	228	113499	5.291	ng	93
83) Chrysene	14.080	228	124676	6.423	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	104092	2.324	ng	99
88) Benzo(b)fluoranthene	15.098	252	300589	9.999	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	300589	9.953	ng	# 97
90) Benzo(a)pyrene	15.468	252	161207	5.705	ng	97
92) Benzo(g,h,i)perylene	17.468	276	116842	3.309	ng	99

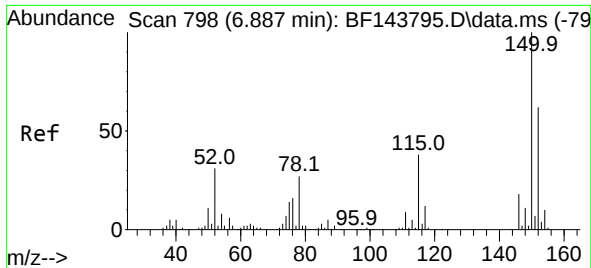
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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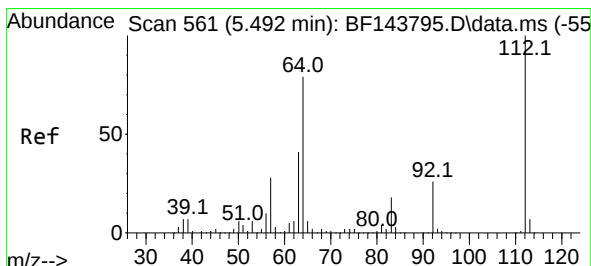
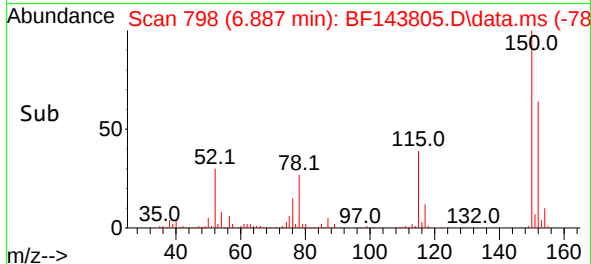
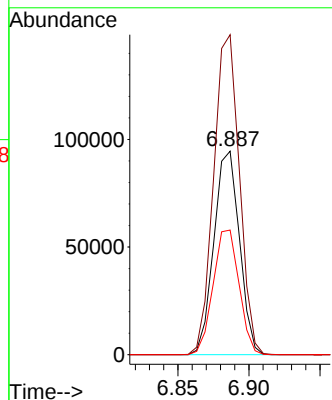
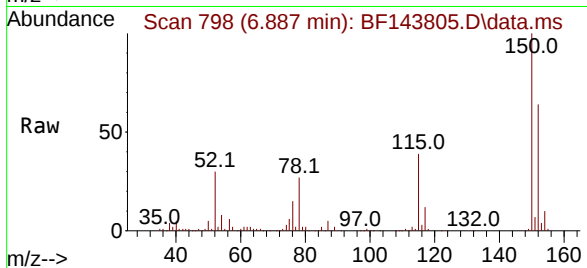




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143805.D
 Acq: 25 Sep 2025 15:51

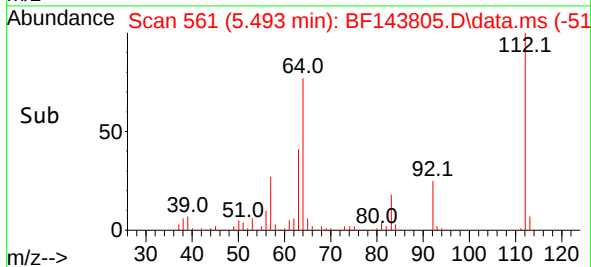
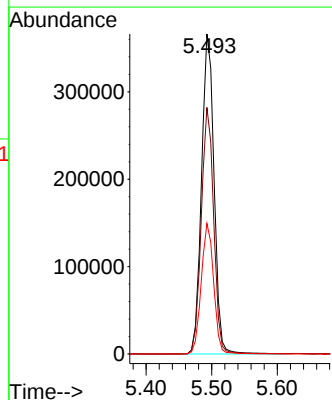
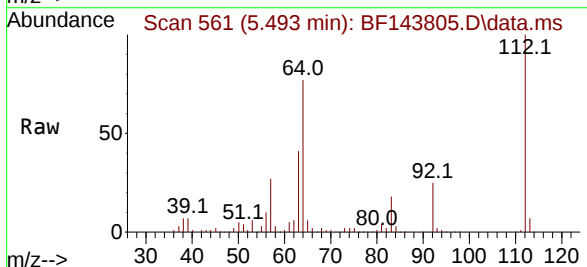
Instrument :
 BNA_F
 ClientSampleId :
 72-11989

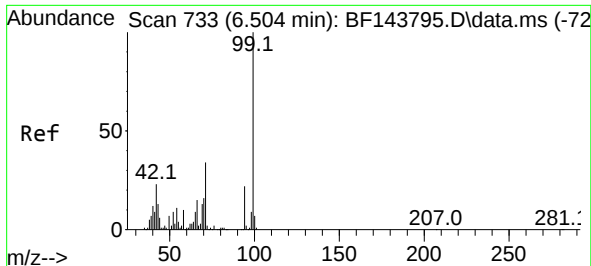
Tgt Ion:152 Resp: 118222
 Ion Ratio Lower Upper
 152 100
 150 157.2 129.6 194.4
 115 61.2 49.0 73.4



#5
 2-Fluorophenol
 Concen: 67.097 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.005 min
 Lab File: BF143805.D
 Acq: 25 Sep 2025 15:51

Tgt Ion:112 Resp: 488237
 Ion Ratio Lower Upper
 112 100
 64 77.1 63.0 94.4
 63 40.8 32.6 49.0

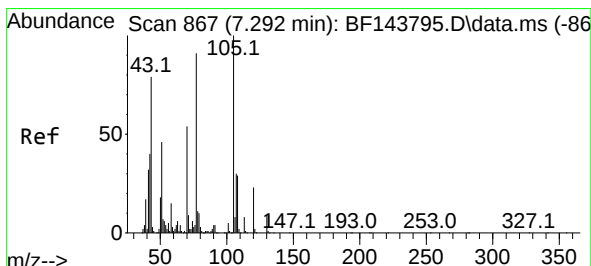
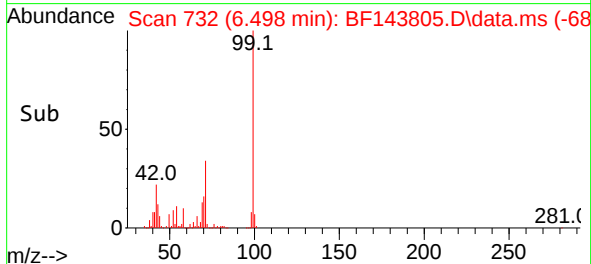
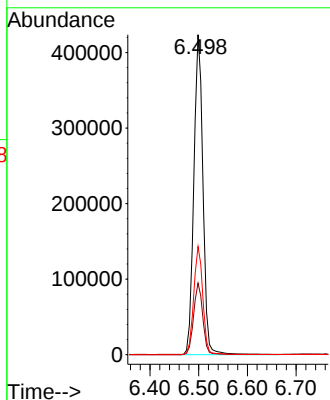
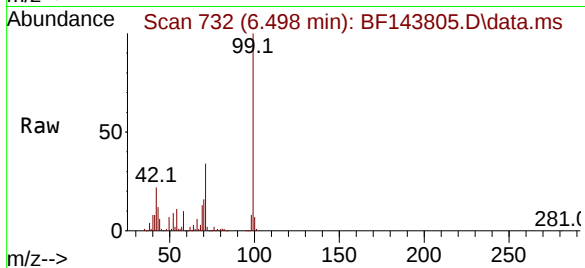




#7
Phenol-d6
Concen: 66.181 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

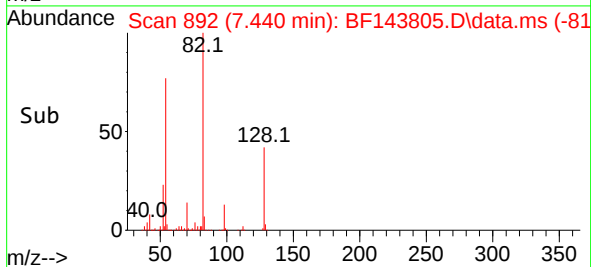
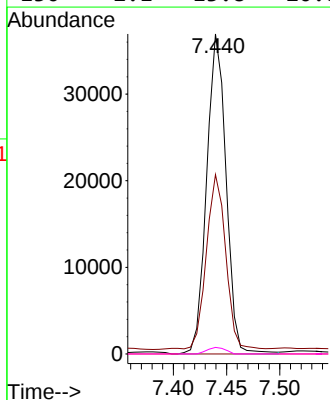
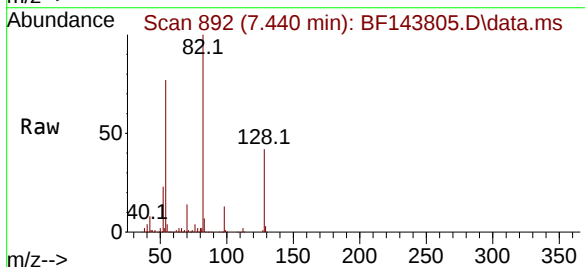
Instrument :
BNA_F
ClientSampleId :
72-11989

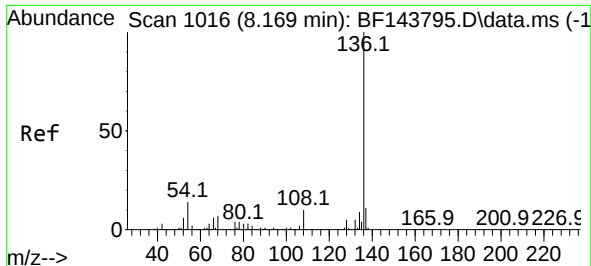
Tgt Ion: 99 Resp: 556418
Ion Ratio Lower Upper
99 100
42 22.4 18.6 28.0
71 33.8 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.667 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

Tgt Ion: 70 Resp: 46860
Ion Ratio Lower Upper
70 100
42 56.1 59.4 89.0#
101 0.0 7.1 10.7#
130 2.1 13.8 20.8#



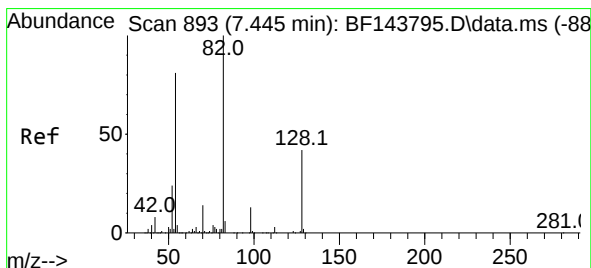
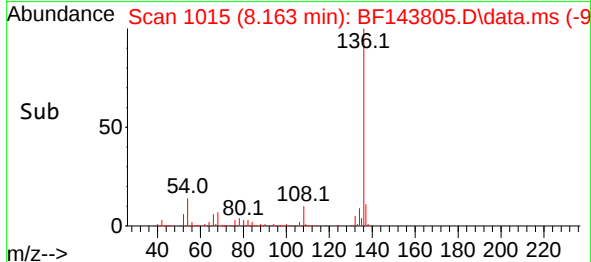
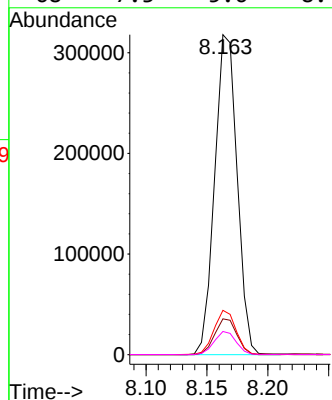
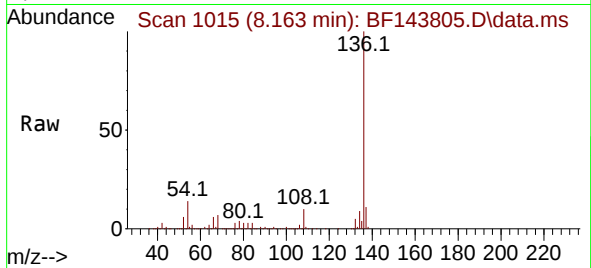


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

Instrument :
BNA_F
ClientSampleId :
72-11989

Tgt Ion:136 Resp: 408216

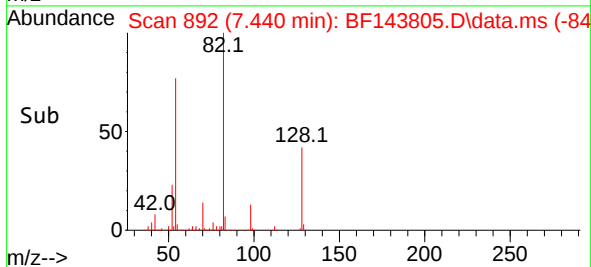
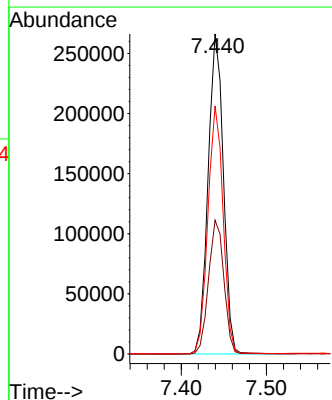
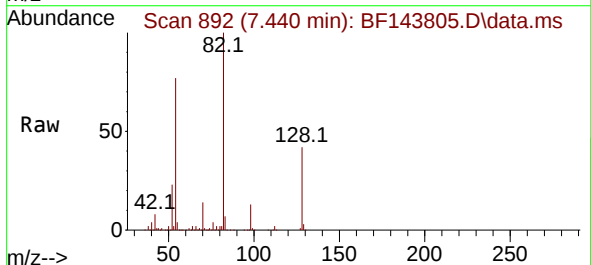
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	13.9	11.2	16.8
68	7.3	5.6	8.4

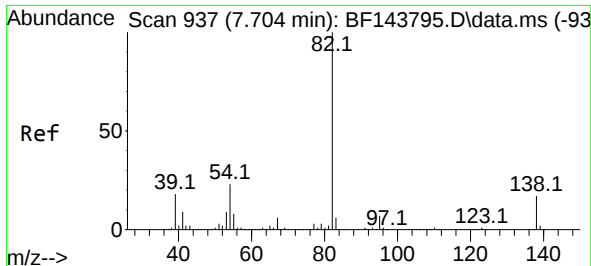


#23
Nitrobenzene-d5
Concen: 49.819 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

Tgt Ion: 82 Resp: 332240

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.3	49.9
54	77.4	64.2	96.4

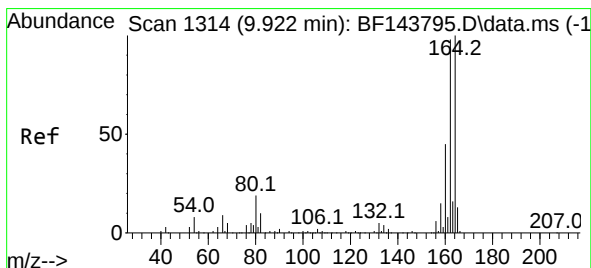
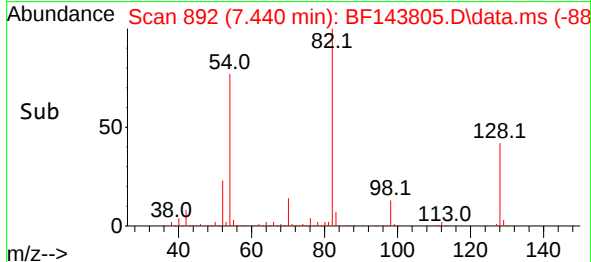
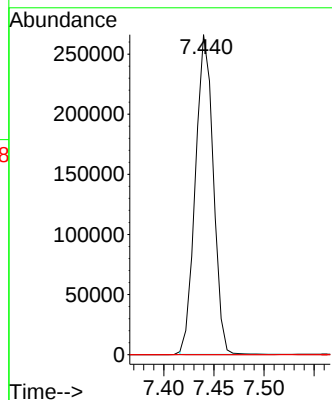
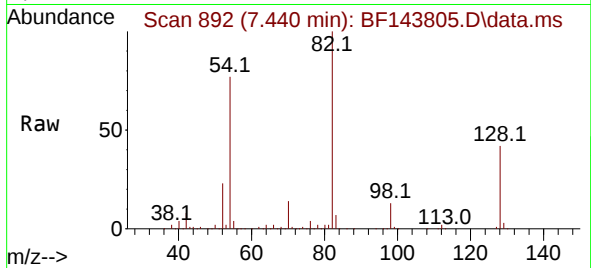




#25
Isophorone
Concen: 25.346 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.270 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

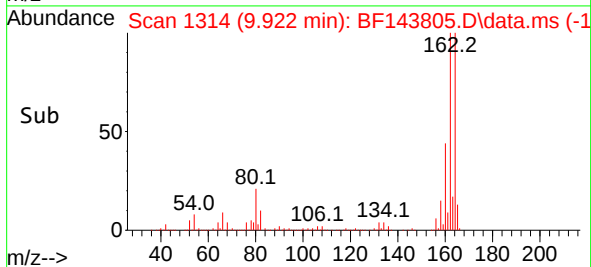
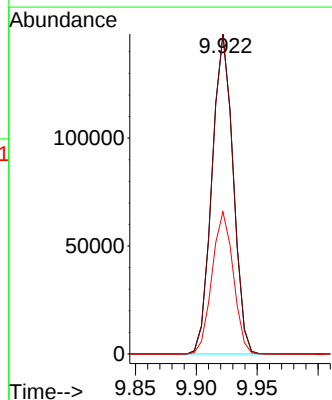
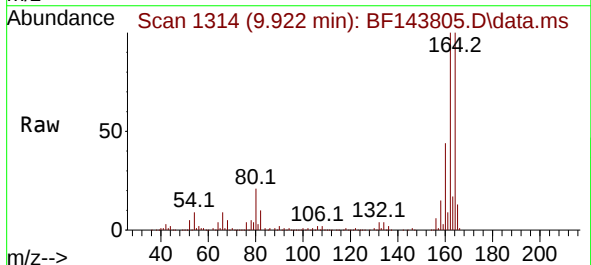
Instrument :
BNA_F
ClientSampleId :
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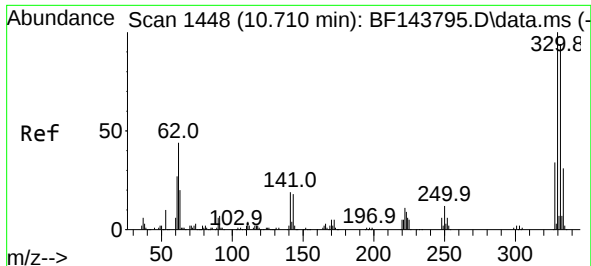
Tgt Ion: 82 Resp: 329388
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

Tgt Ion:164 Resp: 179018
Ion Ratio Lower Upper
164 100
162 100.2 78.8 118.2
160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 65.283 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

Instrument :

BNA_F

ClientSampleId :

72-11989

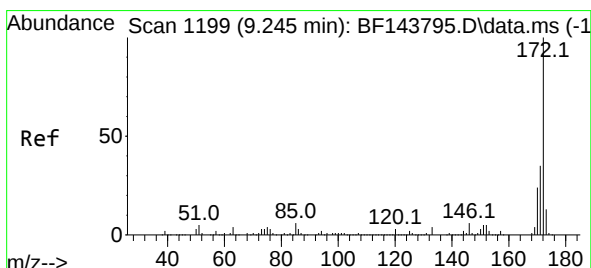
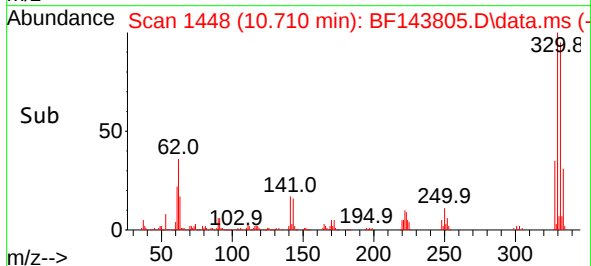
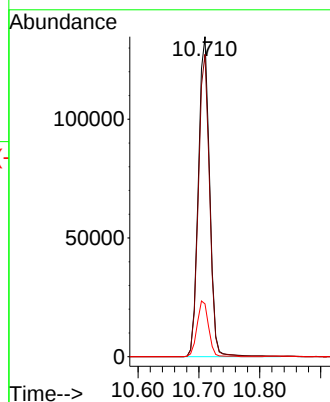
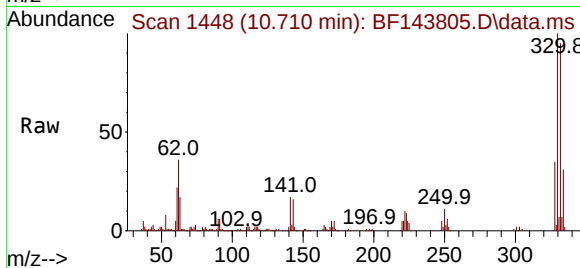
Tgt Ion:330 Resp: 173043

Ion Ratio Lower Upper

330 100

332 94.0 74.7 112.1

141 17.8 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 49.036 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

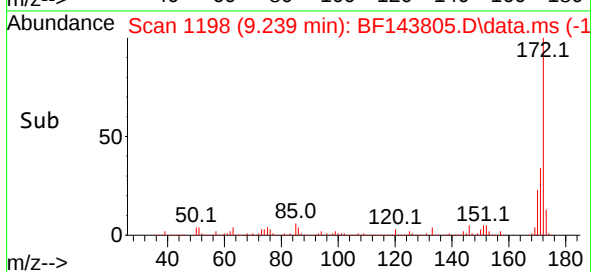
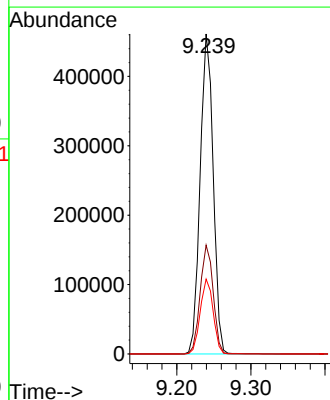
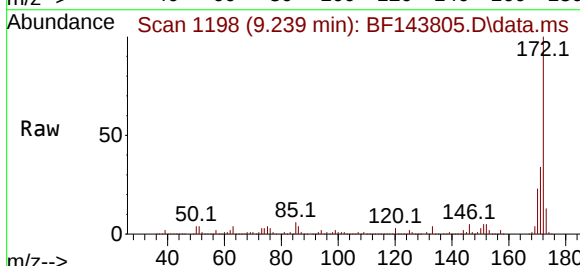
Tgt Ion:172 Resp: 562532

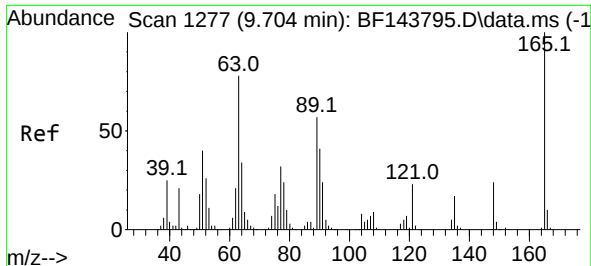
Ion Ratio Lower Upper

172 100

171 34.0 27.9 41.9

170 23.4 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 12.950 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

Instrument :

BNA_F

ClientSampleId :

72-11989

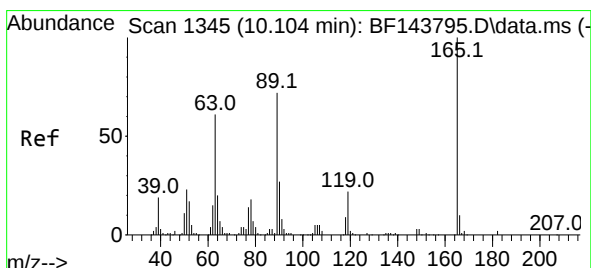
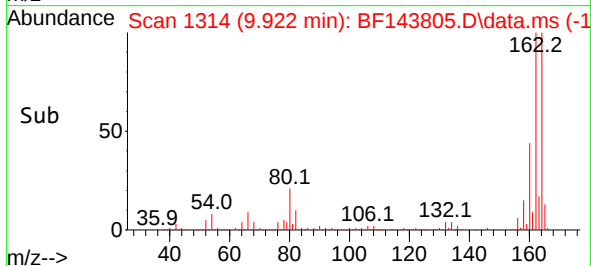
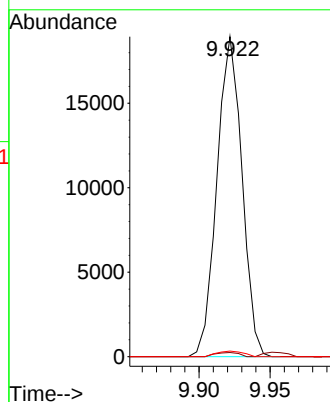
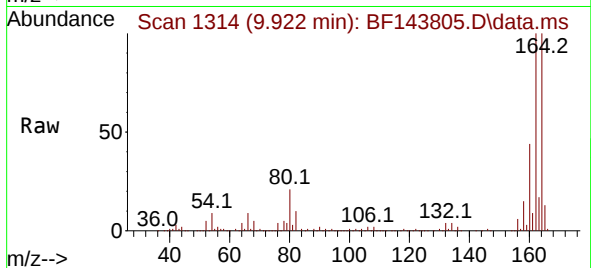
Tgt Ion:165 Resp: 23216

Ion Ratio Lower Upper

165 100

63 1.3 62.6 94.0#

89 1.7 45.2 67.8#



#57

2,4-Dinitrotoluene

Concen: 11.114 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

Tgt Ion:165 Resp: 23216

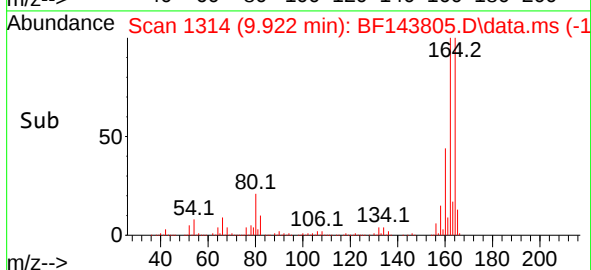
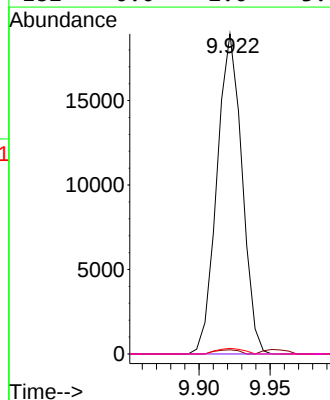
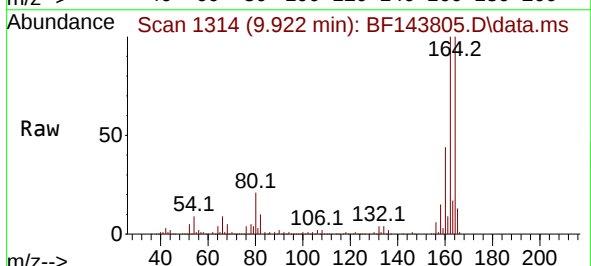
Ion Ratio Lower Upper

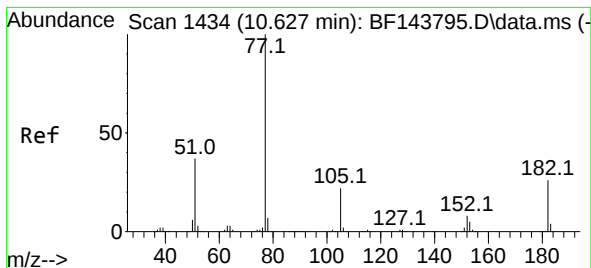
165 100

63 1.3 48.9 73.3#

89 1.7 57.5 86.3#

182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.242 ng

RT: 10.634 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

Instrument :

BNA_F

ClientSampleId :

72-11989

Tgt Ion: 77 Resp: 24138

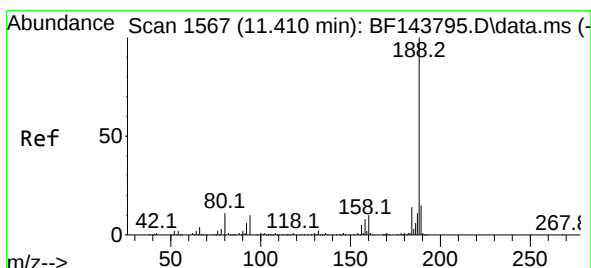
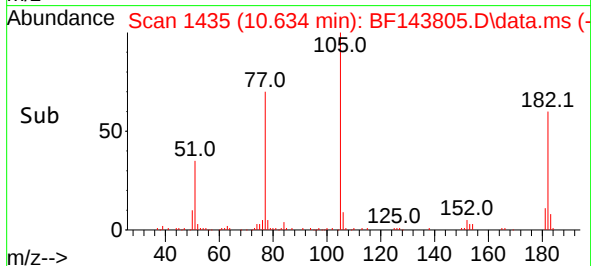
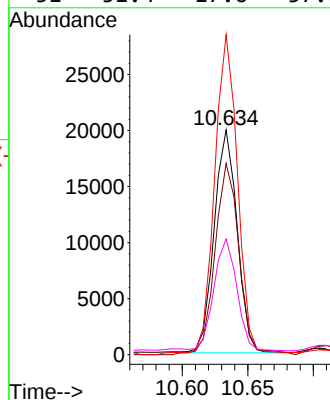
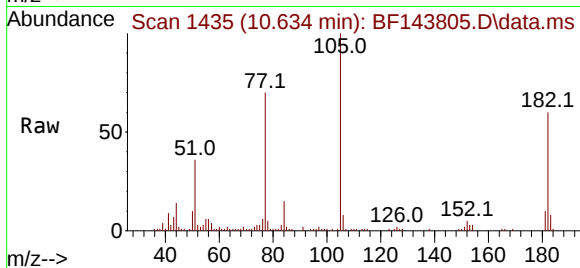
Ion Ratio Lower Upper

77 100

182 85.0 5.9 45.9#

105 142.3 2.3 42.3#

51 51.4 17.6 57.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

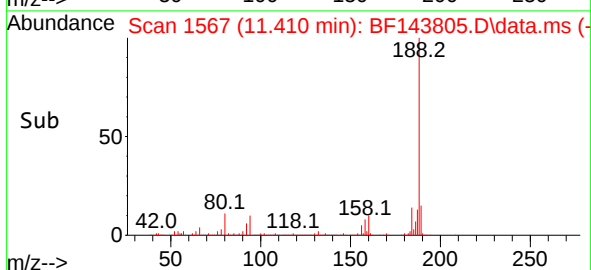
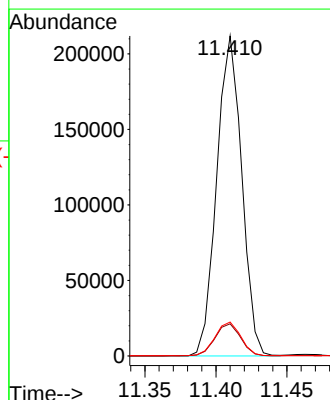
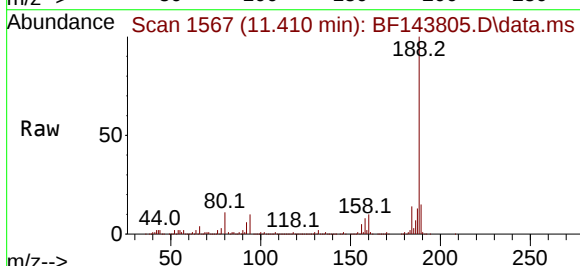
Tgt Ion:188 Resp: 259668

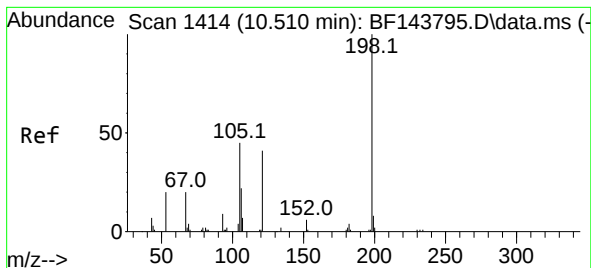
Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.2

80 10.6 8.6 12.8

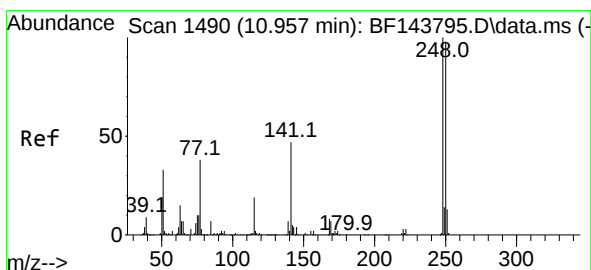
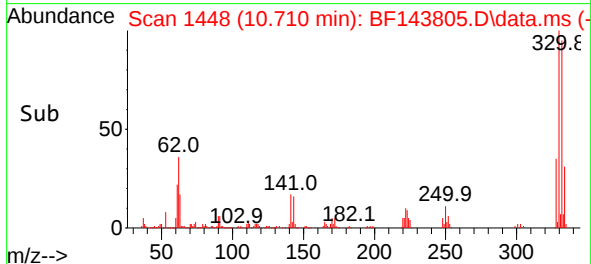
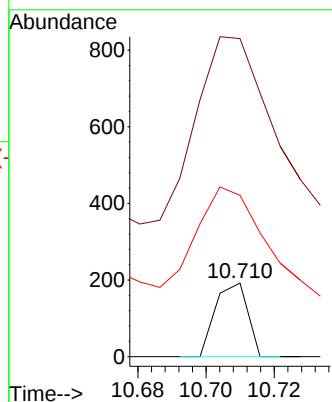
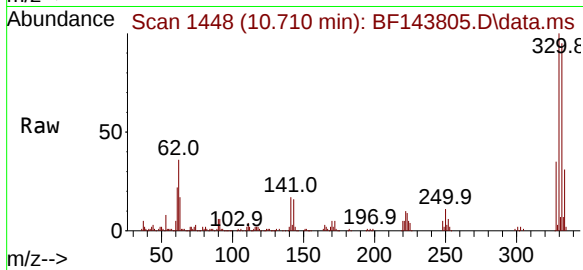




#65
4,6-Dinitro-2-methylphenol
Concen: 4.313 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

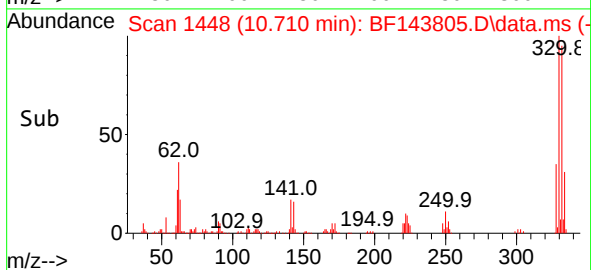
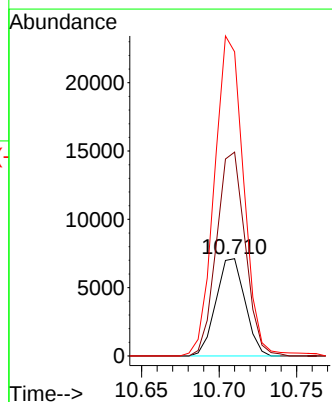
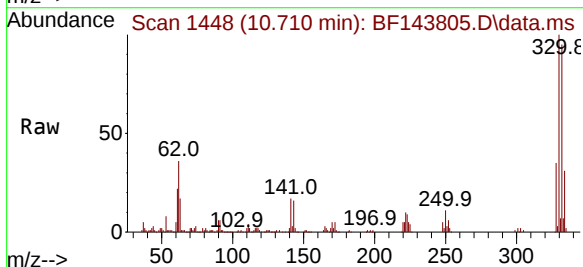
Instrument :
BNA_F
ClientSampleId :
72-11989

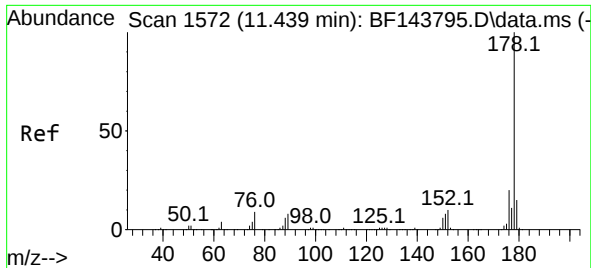
Tgt Ion:198 Resp: 126
Ion Ratio Lower Upper
198 100
51 432.3 52.0 92.0#
105 219.3 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 2.095 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

Tgt Ion:248 Resp: 9271
Ion Ratio Lower Upper
248 100
250 209.5 78.7 118.1#
141 312.6 37.9 56.9#

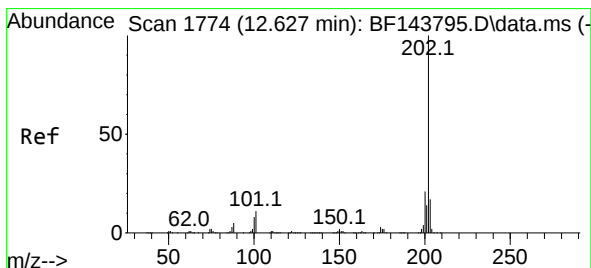
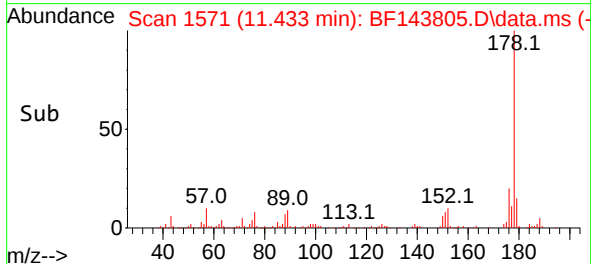
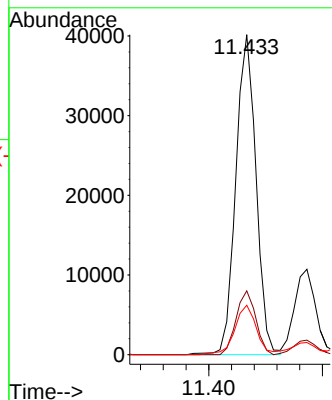
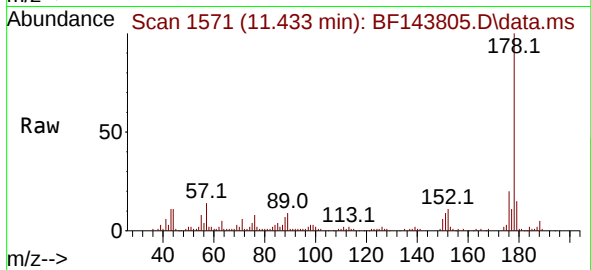




#71
Phenanthrene
Concen: 3.723 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

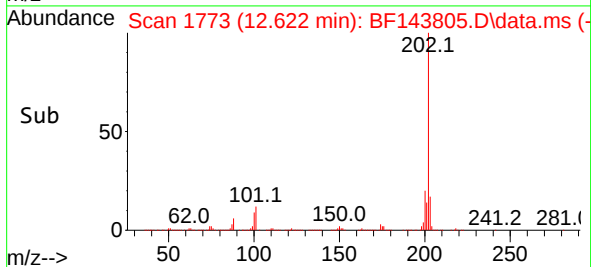
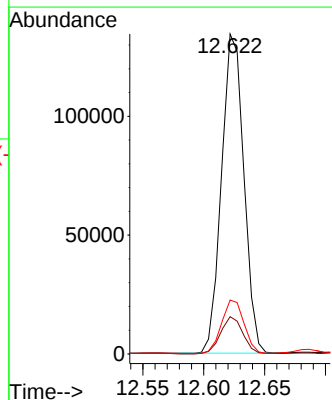
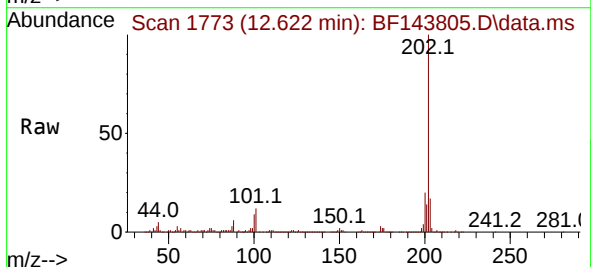
Instrument :
BNA_F
ClientSampleId :
72-11989

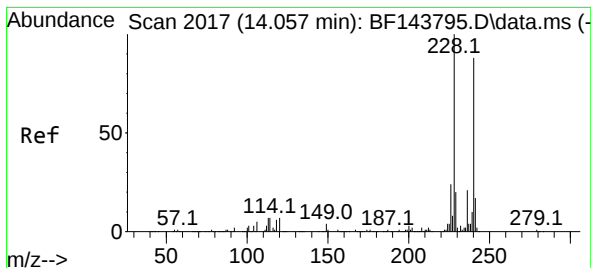
Tgt Ion:178 Resp: 49627
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.5 12.2 18.4



#75
Fluoranthene
Concen: 12.793 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

Tgt Ion:202 Resp: 171529
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.1
203 16.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

Instrument :

BNA_F

ClientSampleId :

72-11989

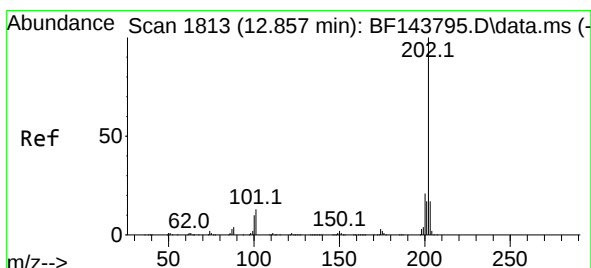
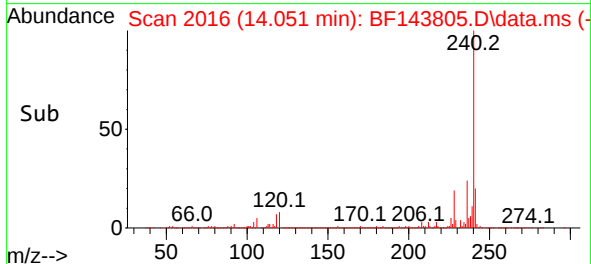
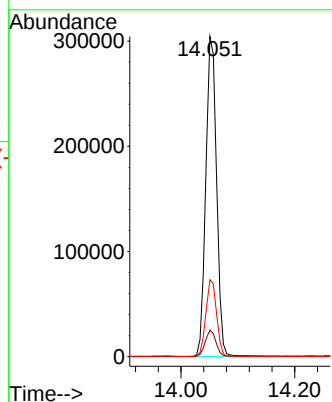
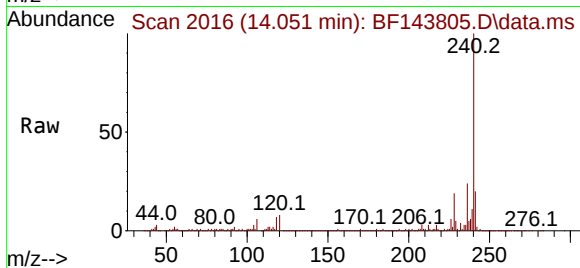
Tgt Ion:240 Resp: 399315

Ion Ratio Lower Upper

240 100

120 8.3 6.2 9.4

236 24.1 19.4 29.2



#78

Pyrene

Concen: 8.246 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

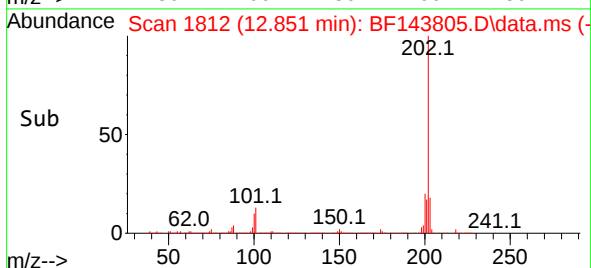
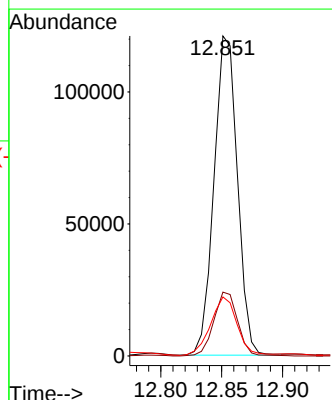
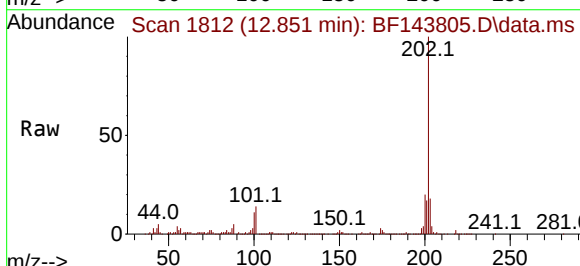
Tgt Ion:202 Resp: 161890

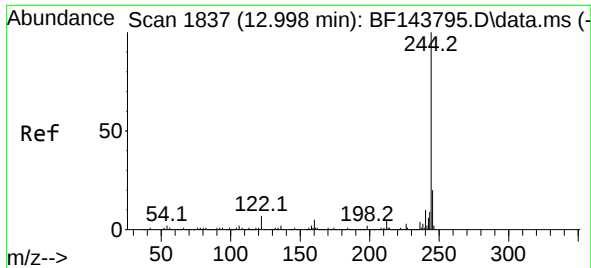
Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

203 18.4 13.9 20.9

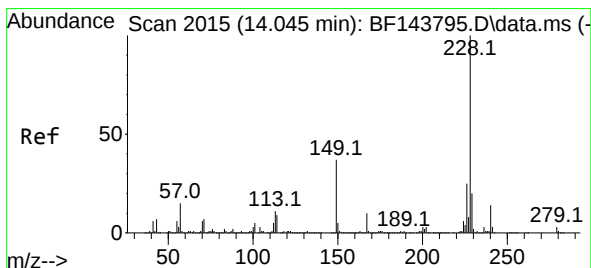
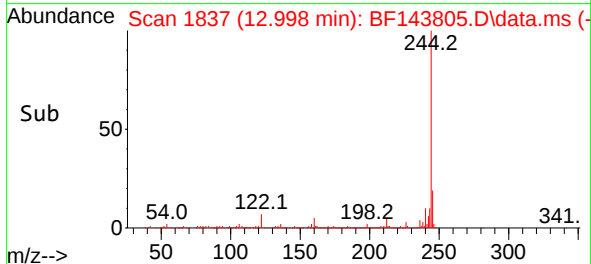
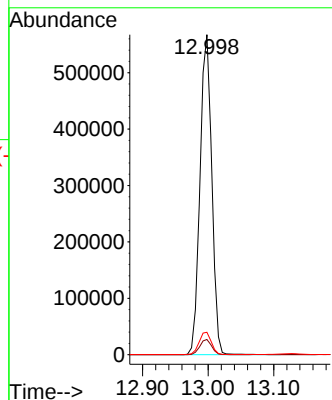
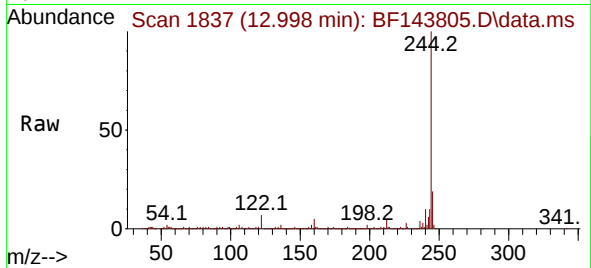




#79
 Terphenyl-d14
 Concen: 36.191 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143805.D
 Acq: 25 Sep 2025 15:51

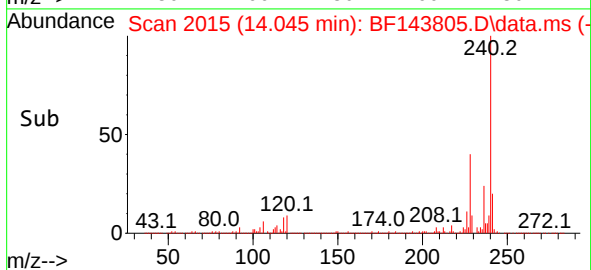
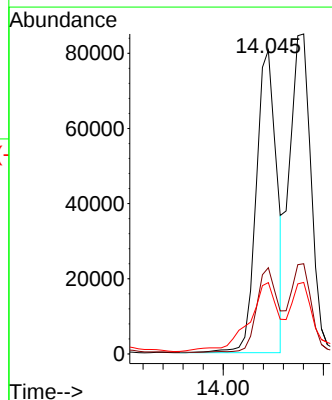
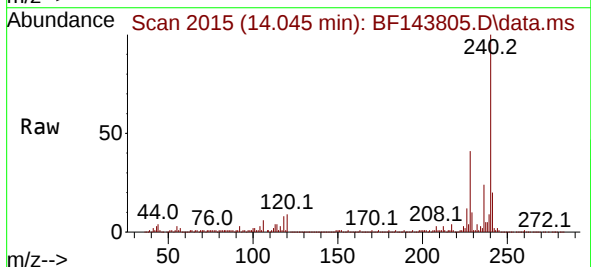
Instrument :
 BNA_F
 ClientSampleId :
 72-11989

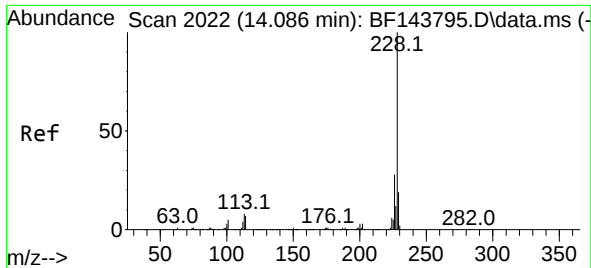
Tgt Ion:244 Resp: 710586
 Ion Ratio Lower Upper
 244 100
 212 4.7 3.9 5.9
 122 7.0 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 5.291 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF143805.D
 Acq: 25 Sep 2025 15:51

Tgt Ion:228 Resp: 113499
 Ion Ratio Lower Upper
 228 100
 226 28.4 20.2 30.2
 229 23.5 16.1 24.1

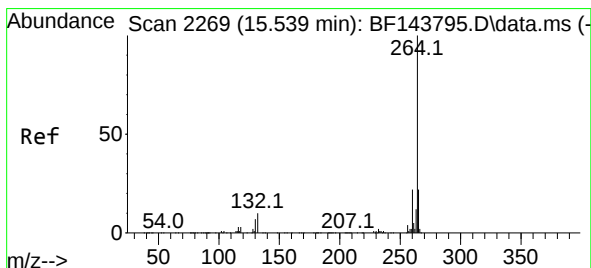
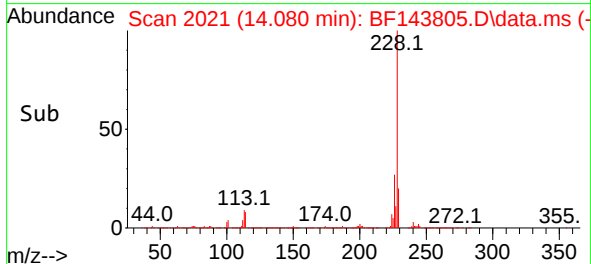
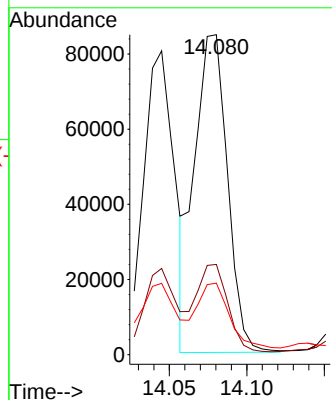
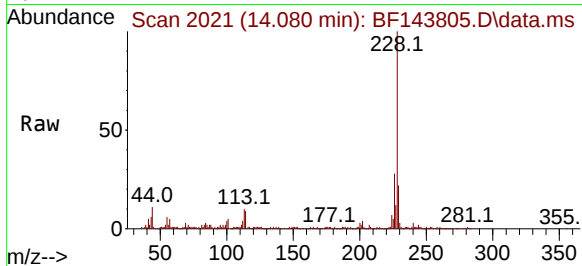




#83
Chrysene
Concen: 6.423 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

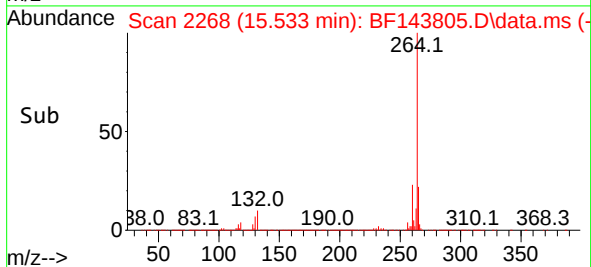
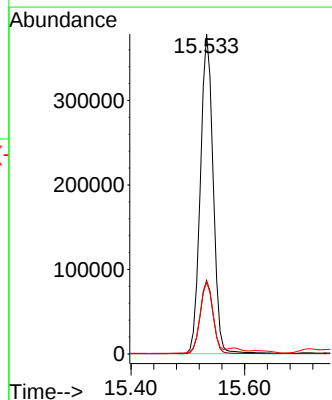
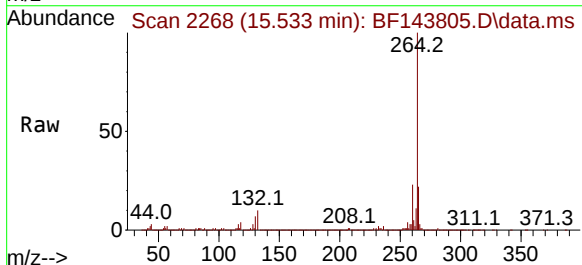
Instrument :
BNA_F
ClientSampleId :
72-11989

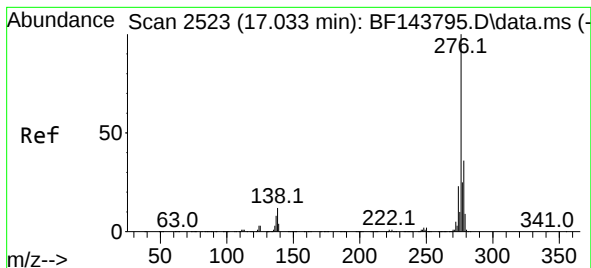
Tgt Ion:228 Resp: 124676
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 22.3 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143805.D
Acq: 25 Sep 2025 15:51

Tgt Ion:264 Resp: 590308
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 22.5 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.324 ng

RT: 17.015 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

Instrument :

BNA_F

ClientSampleId :

72-11989

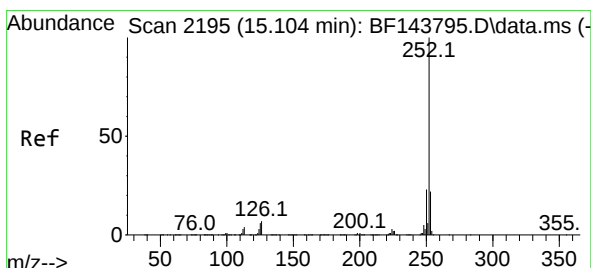
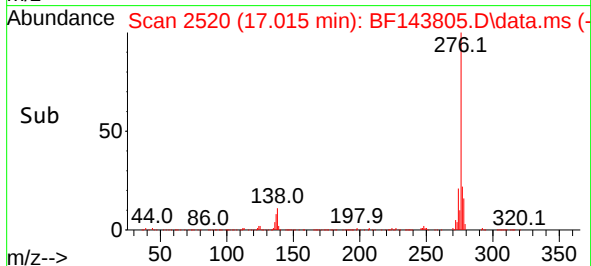
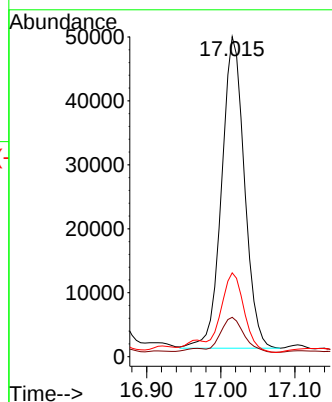
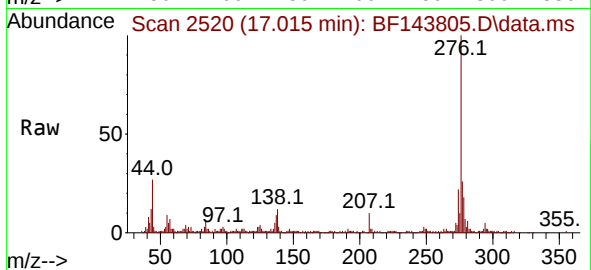
Tgt Ion:276 Resp: 104092

Ion Ratio Lower Upper

276 100

138 11.7 10.6 15.8

277 25.7 20.7 31.1



#88

Benzo(b)fluoranthene

Concen: 9.999 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

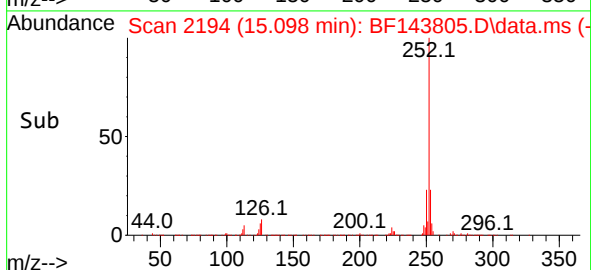
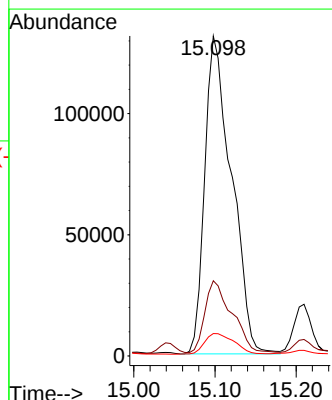
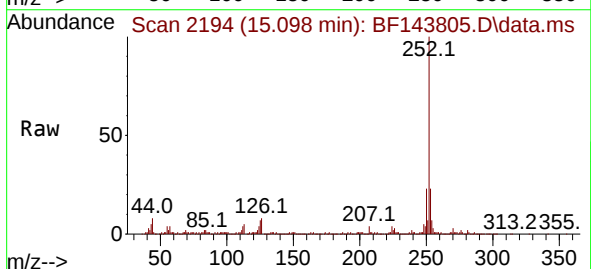
Tgt Ion:252 Resp: 300589

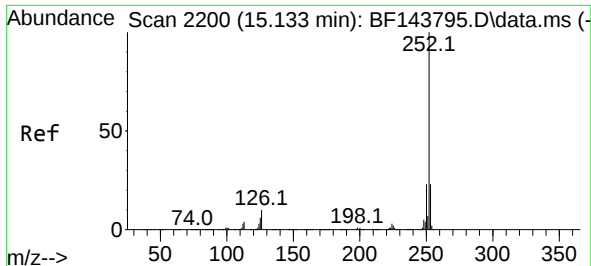
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 7.0 4.4 6.6#





#89

Benzo(k)fluoranthene

Concen: 9.953 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

Instrument :

BNA_F

ClientSampleId :

72-11989

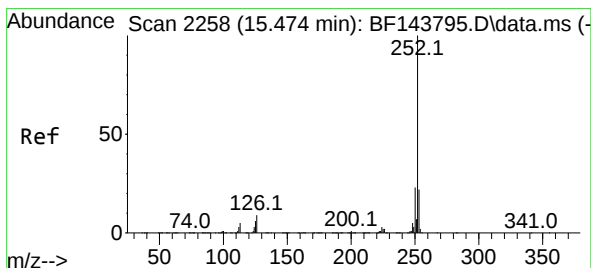
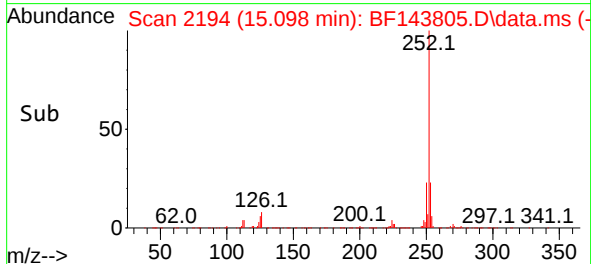
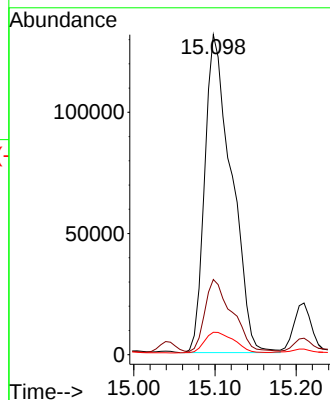
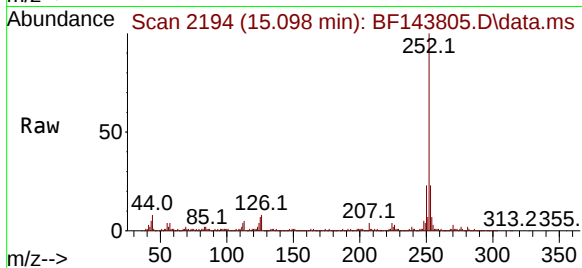
Tgt Ion:252 Resp: 300589

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 7.0 4.6 6.8#



#90

Benzo(a)pyrene

Concen: 5.705 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF143805.D

Acq: 25 Sep 2025 15:51

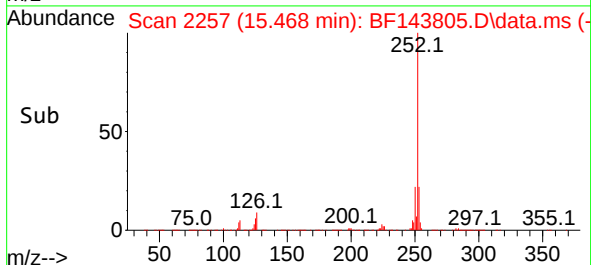
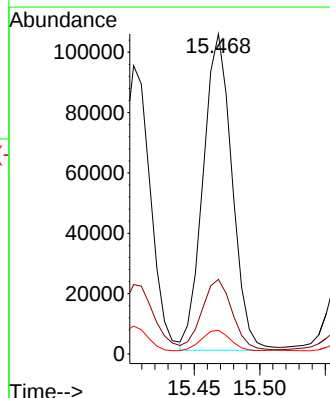
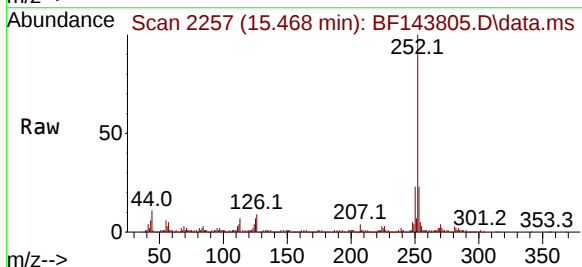
Tgt Ion:252 Resp: 161207

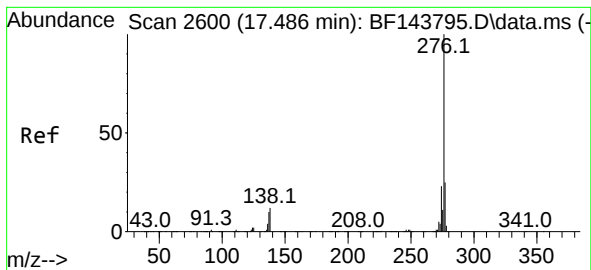
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 7.4 5.0 7.4





#92

Benzo(g,h,i)perylene

Concen: 3.309 ng

RT: 17.468 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143805.D

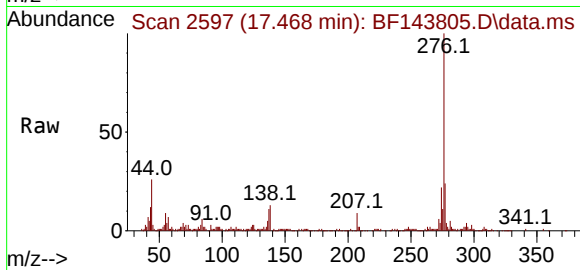
Acq: 25 Sep 2025 15:51

Instrument :

BNA_F

ClientSampleId :

72-11989



Tgt Ion:276 Resp: 116842

Ion Ratio Lower Upper

276 100

277 24.3 19.6 29.4

138 12.8 9.2 13.8

