

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143866.D
 Acq On : 02 Oct 2025 20:36
 Operator : RC/JU
 Sample : Q3266-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:28:58 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)

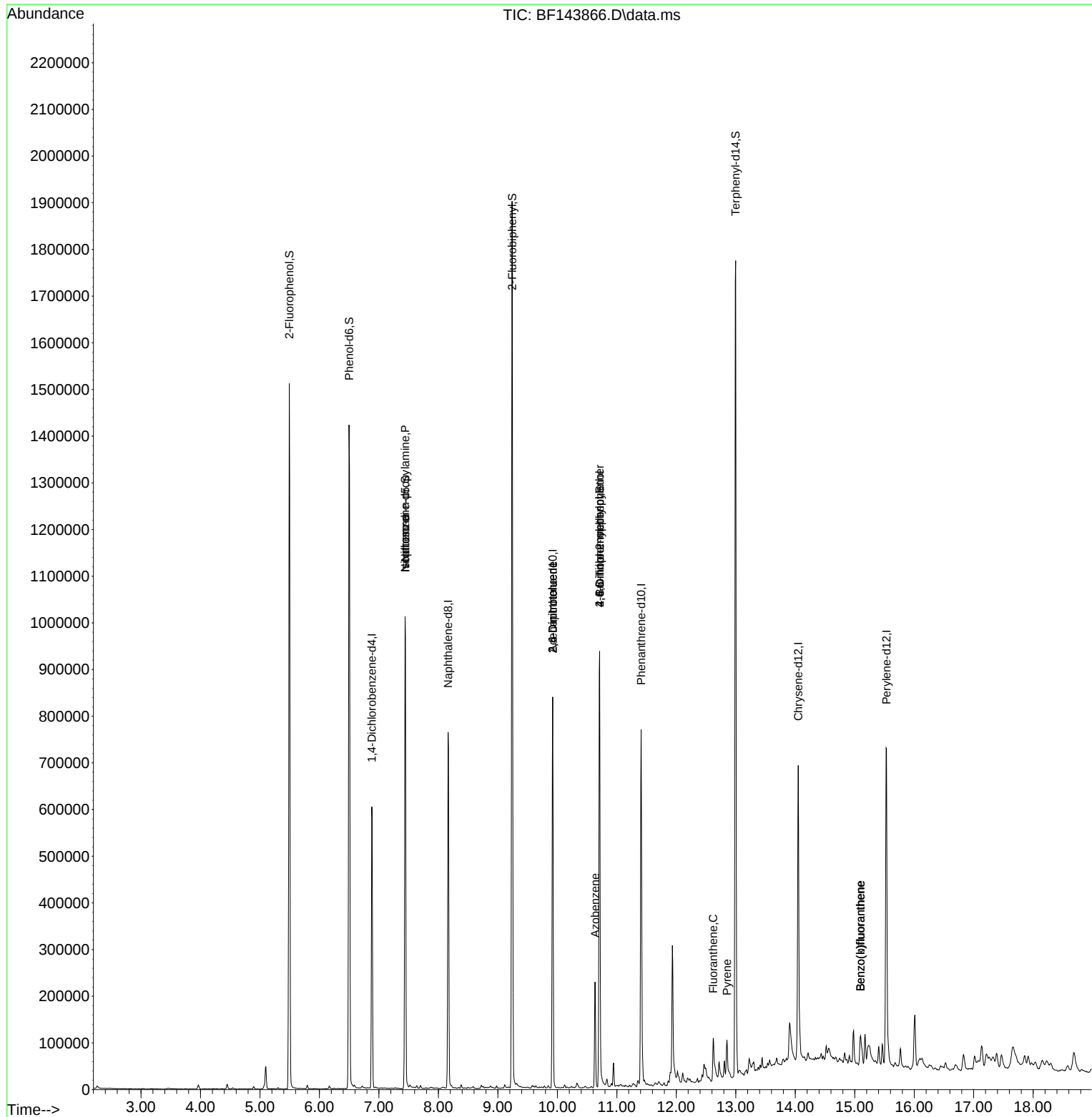
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	126348	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	483731	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	249487	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	391899	20.000	ng	0.00
76) Chrysene-d12	14.051	240	327285	20.000	ng	-0.01
86) Perylene-d12	15.533	264	470701	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	527156	67.787	ng	0.00
7) Phenol-d6	6.498	99	656297	73.040	ng	-0.01
23) Nitrobenzene-d5	7.439	82	425309	53.819	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	173952	47.090	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	861154	53.864	ng	0.00
79) Terphenyl-d14	12.998	244	988798	61.444	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	60160	10.412	ng	# 68
25) Isophorone	7.439	82	419596	27.247	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	32301	12.929	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	32301	11.100	ng	# 19
63) Azobenzene	10.633	77	56927	3.795	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	312	4.409	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	14986	2.244	ng	# 1
75) Fluoranthene	12.621	202	48239	2.384	ng	97
78) Pyrene	12.851	202	46215	2.872	ng	97
88) Benzo(b)fluoranthene	15.098	252	62053	2.589	ng	# 98
89) Benzo(k)fluoranthene	15.098	252	62053	2.577	ng	# 99

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

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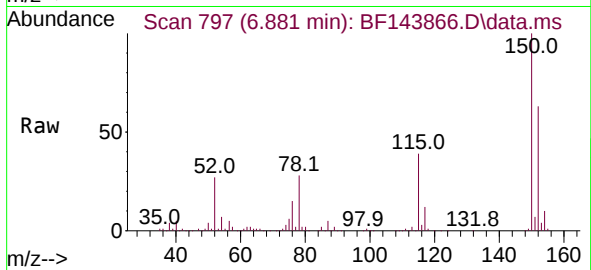
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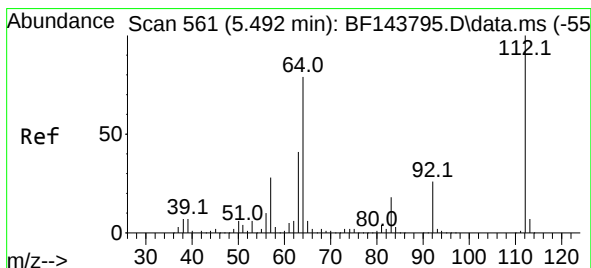
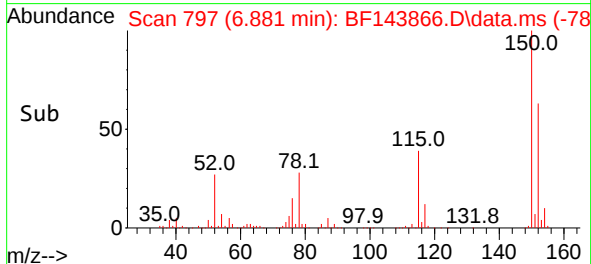
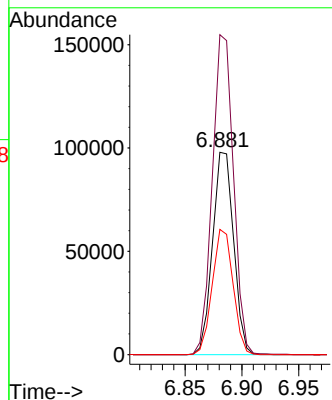


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

Instrument :
BNA_F
ClientSampleId :

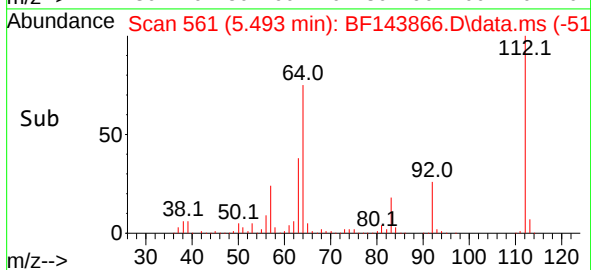
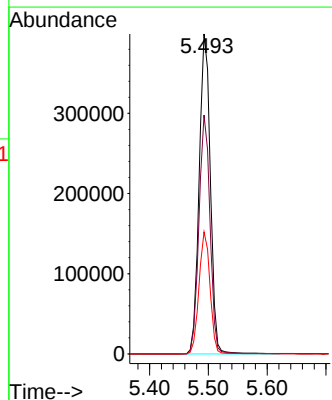
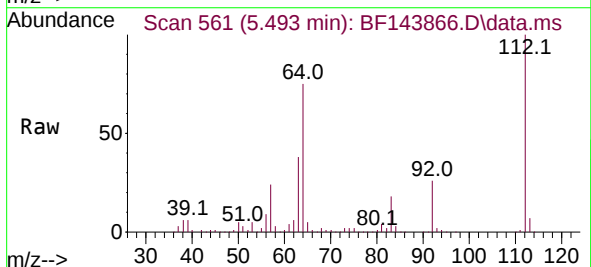


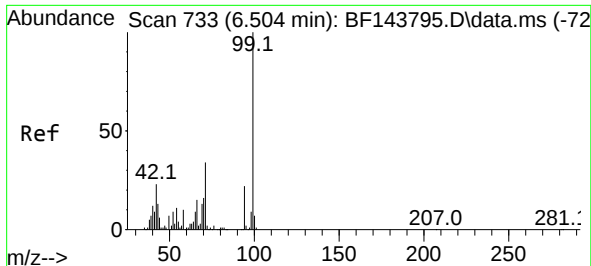
Tgt Ion:152 Resp: 126348
Ion Ratio Lower Upper
152 100
150 158.2 129.6 194.4
115 61.9 49.0 73.4



#5
2-Fluorophenol
Concen: 67.787 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

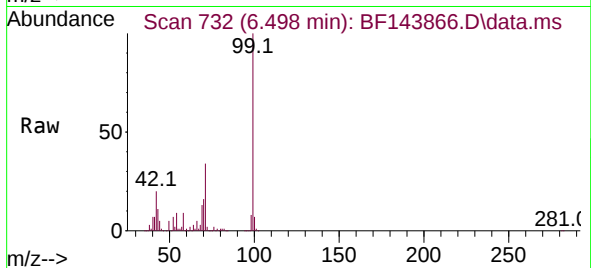
Tgt Ion:112 Resp: 527156
Ion Ratio Lower Upper
112 100
64 74.6 63.0 94.4
63 38.1 32.6 49.0



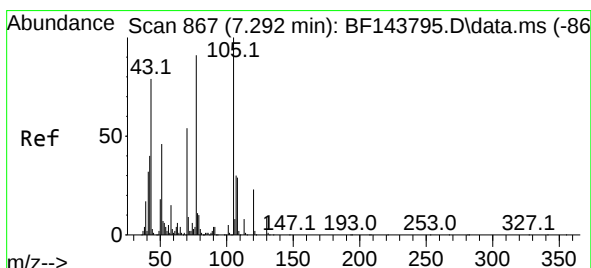
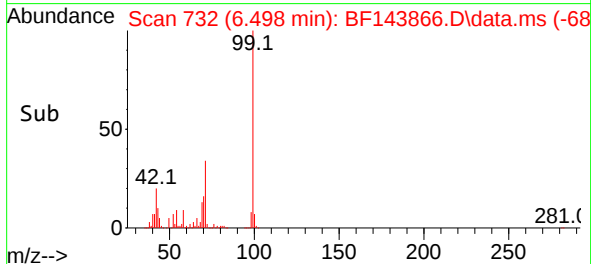
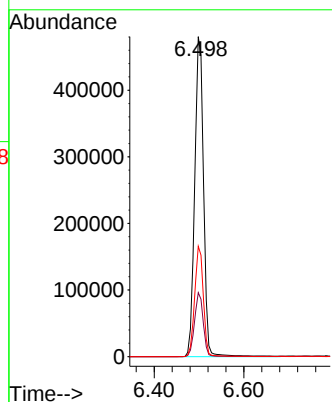


#7
Phenol-d6
Concen: 73.040 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

Instrument :
BNA_F
ClientSampleId :

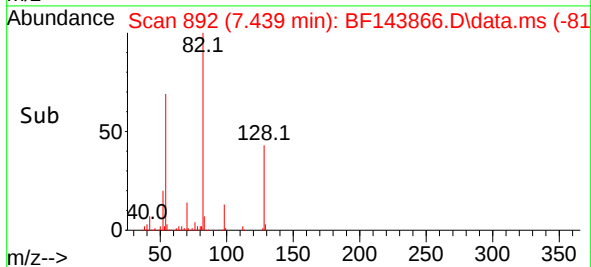
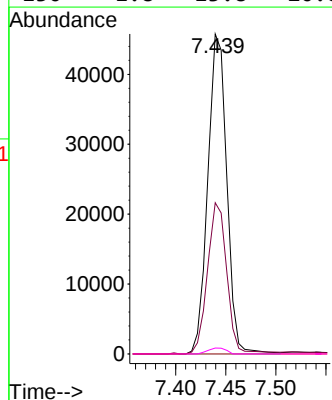
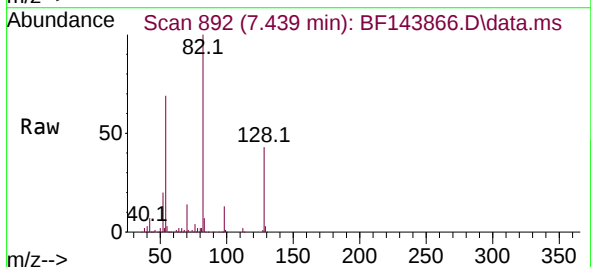


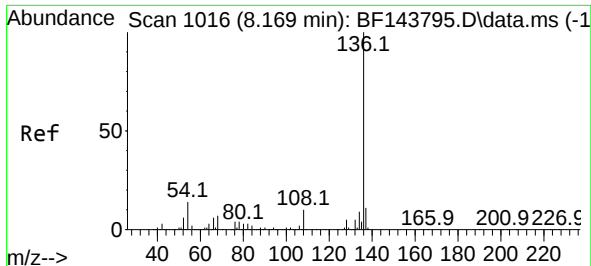
Tgt Ion: 99 Resp: 656297
Ion Ratio Lower Upper
99 100
42 20.0 18.6 28.0
71 34.5 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.412 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

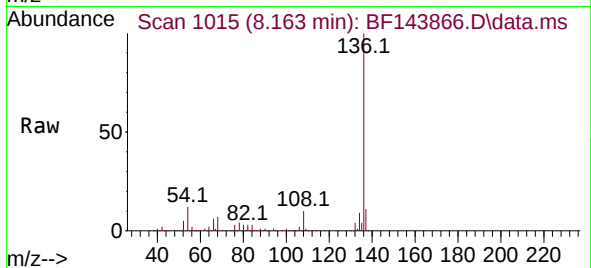
Tgt Ion: 70 Resp: 60160
Ion Ratio Lower Upper
70 100
42 47.2 59.4 89.0#
101 0.0 7.1 10.7#
130 1.8 13.8 20.8#



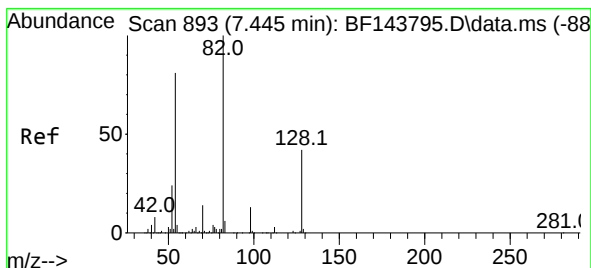
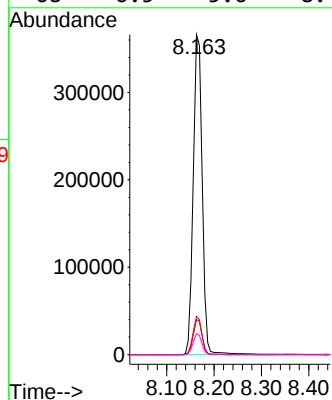
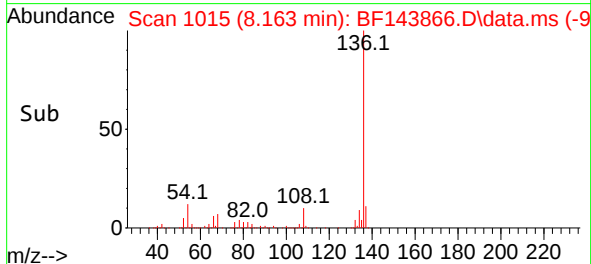


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

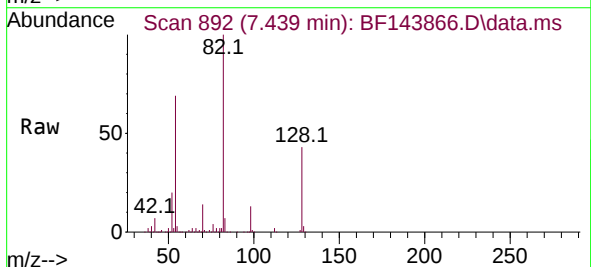
Instrument :
BNA_F
ClientSampleId :



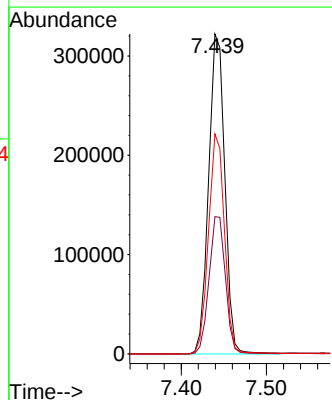
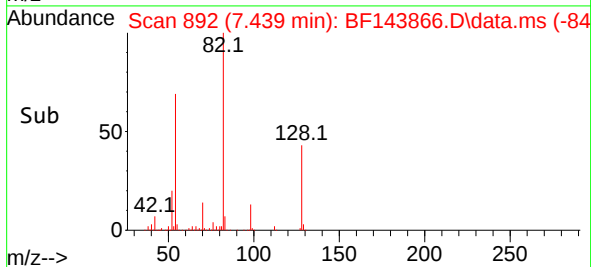
Tgt Ion:136 Resp: 483731
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 12.0 11.2 16.8
68 6.5 5.6 8.4

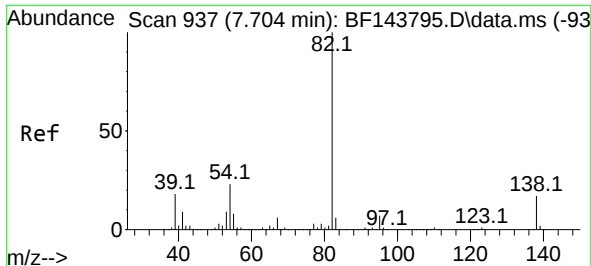


#23
Nitrobenzene-d5
Concen: 53.819 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36



Tgt Ion: 82 Resp: 425309
Ion Ratio Lower Upper
82 100
128 42.9 33.3 49.9
54 68.7 64.2 96.4

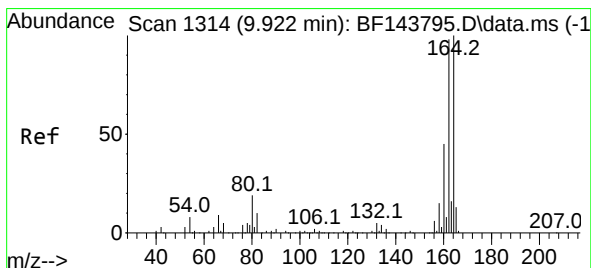
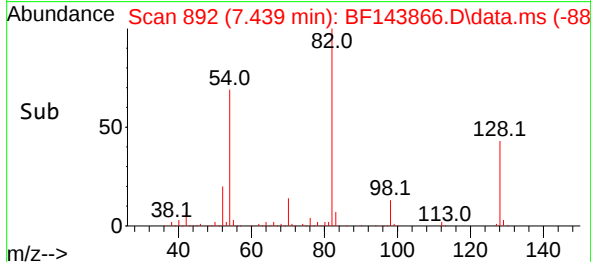
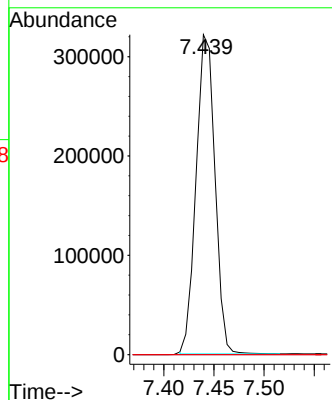
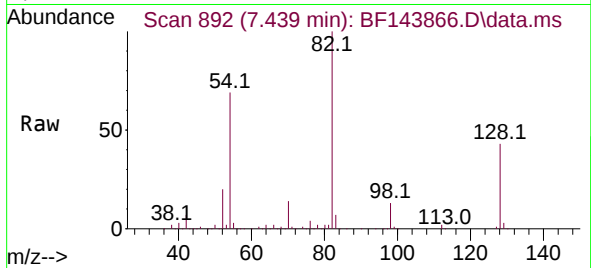




#25
Isophorone
Concen: 27.247 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

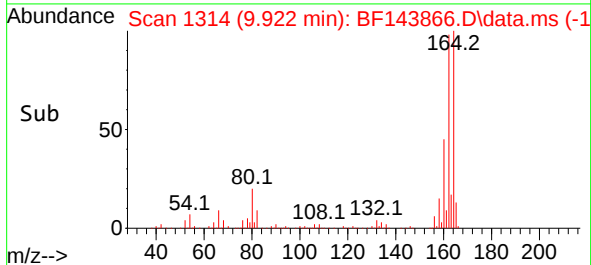
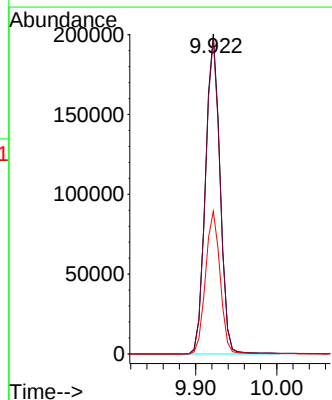
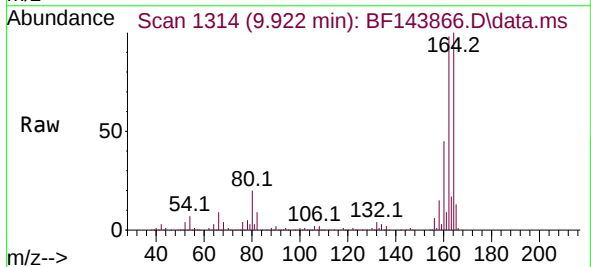
Instrument :
BNA_F
ClientSampleId :

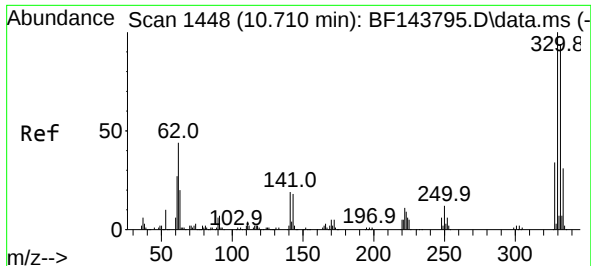
Tgt Ion: 82 Resp: 419596
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

Tgt Ion:164 Resp: 249487
Ion Ratio Lower Upper
164 100
162 98.4 78.8 118.2
160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 47.090 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

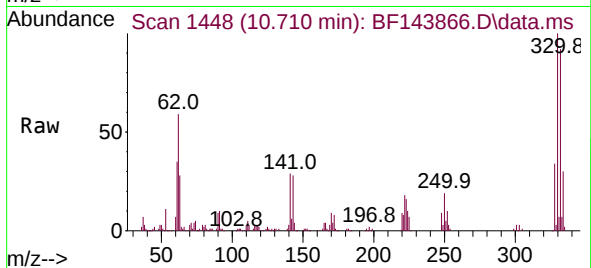
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Acq: 02 Oct 2025 20:36

Instrument :

BNA_F

ClientSampleId :



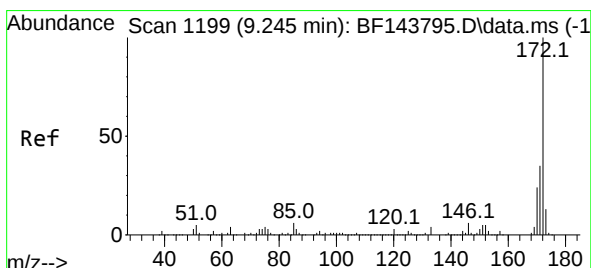
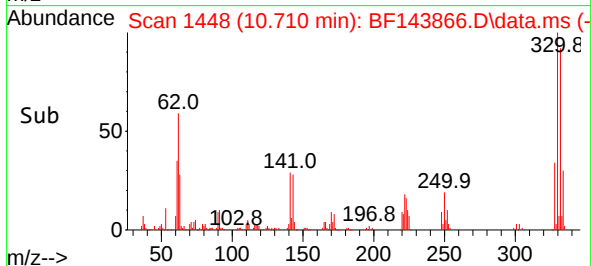
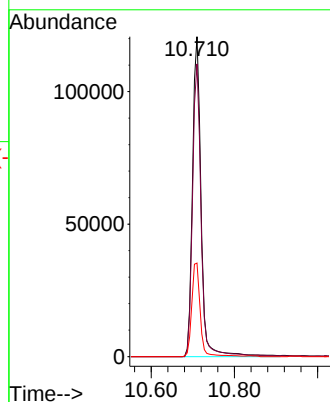
Tgt Ion:330 Resp: 173952

Ion Ratio Lower Upper

330 100

332 90.6 74.7 112.1

141 28.8 14.3 21.5#



#45

2-Fluorobiphenyl

Concen: 53.864 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143866.D

Acq: 02 Oct 2025 20:36

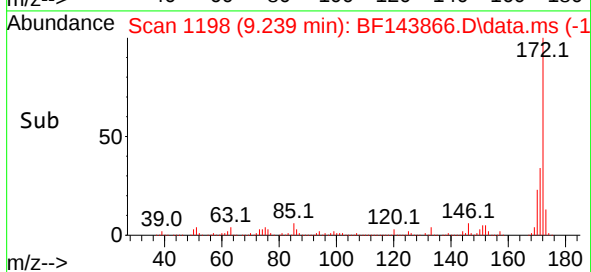
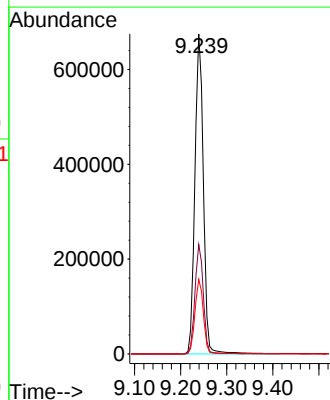
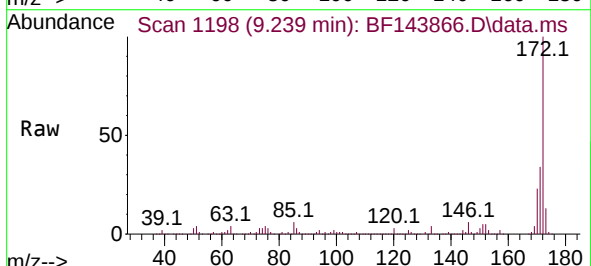
Tgt Ion:172 Resp: 861154

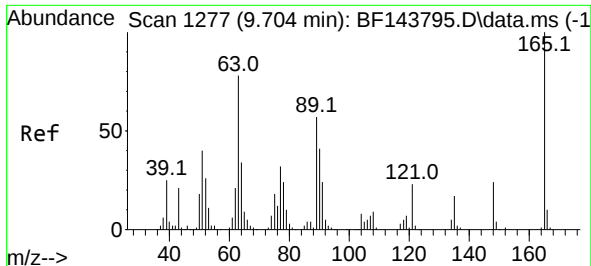
Ion Ratio Lower Upper

172 100

171 34.2 27.9 41.9

170 23.3 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 12.929 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

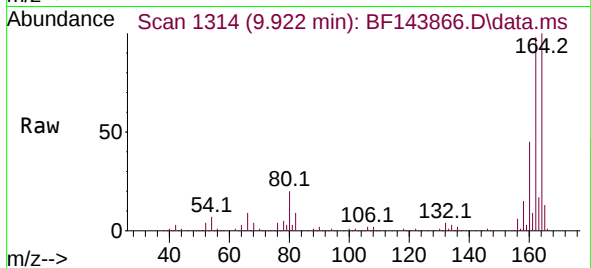
Lab File: BF143866.D

Acq: 02 Oct 2025 20:36

Instrument :

BNA_F

ClientSampleId :



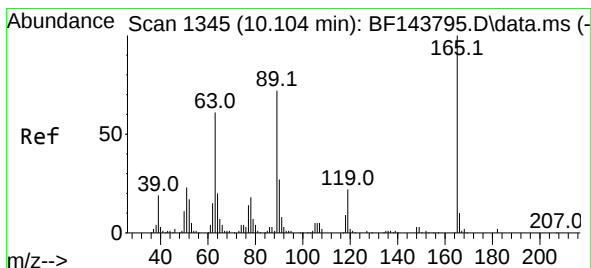
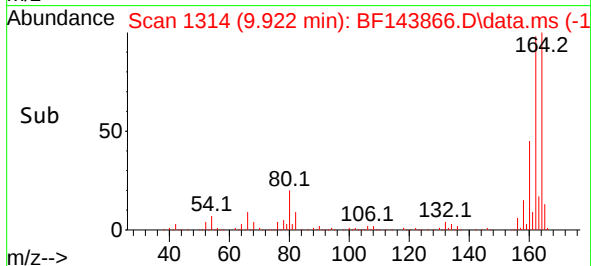
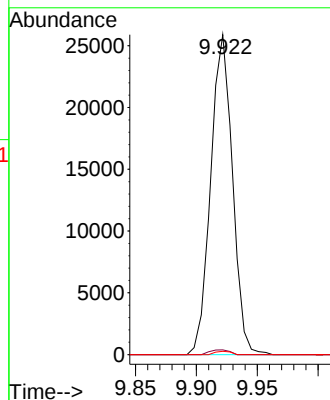
Tgt Ion:165 Resp: 32301

Ion Ratio Lower Upper

165 100

63 1.5 62.6 94.0#

89 1.0 45.2 67.8#



#57

2,4-Dinitrotoluene

Concen: 11.100 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143866.D

Acq: 02 Oct 2025 20:36

Tgt Ion:165 Resp: 32301

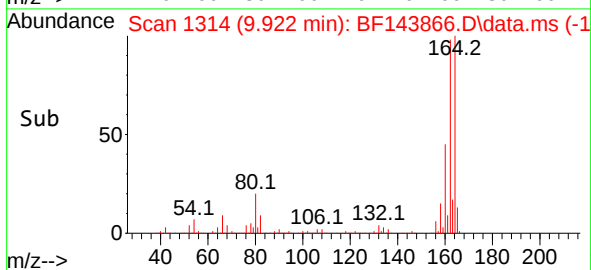
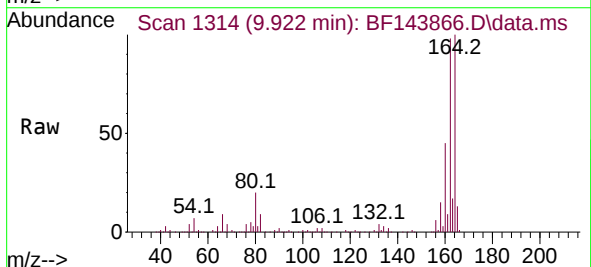
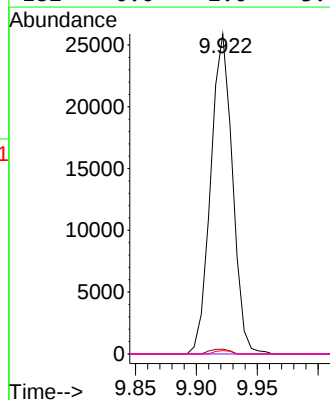
Ion Ratio Lower Upper

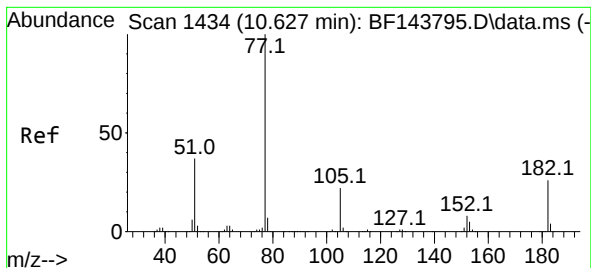
165 100

63 1.5 48.9 73.3#

89 1.0 57.5 86.3#

182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.795 ng

RT: 10.633 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF143866.D

Acq: 02 Oct 2025 20:36

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 56927

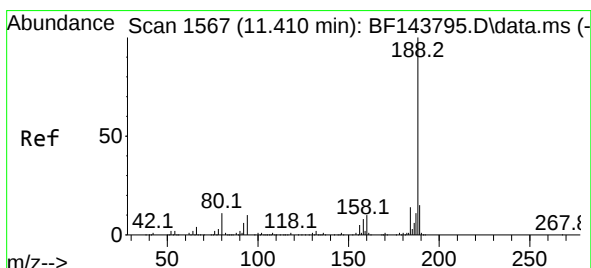
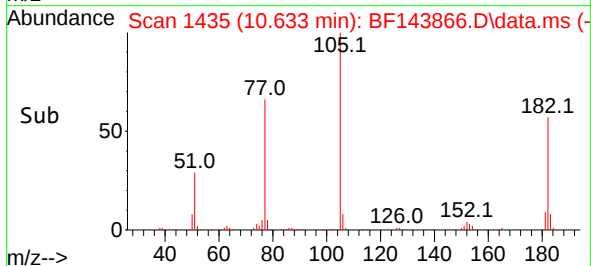
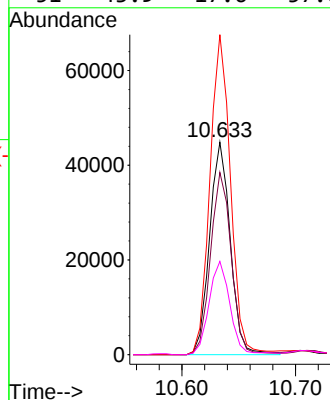
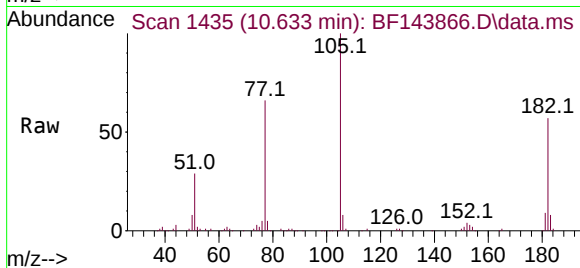
Ion Ratio Lower Upper

77 100

182 85.7 5.9 45.9#

105 150.6 2.3 42.3#

51 43.9 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: BF143866.D

Acq: 02 Oct 2025 20:36

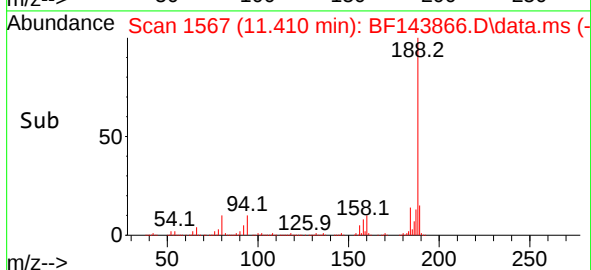
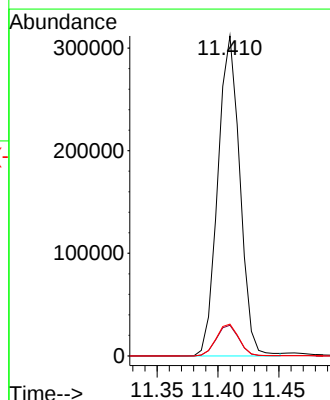
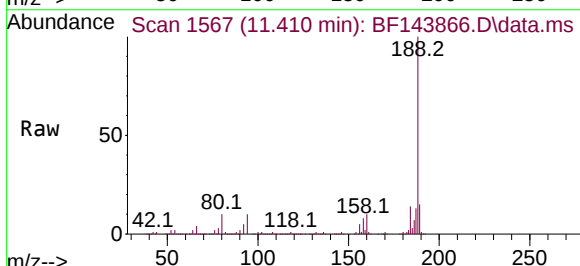
Tgt Ion:188 Resp: 391899

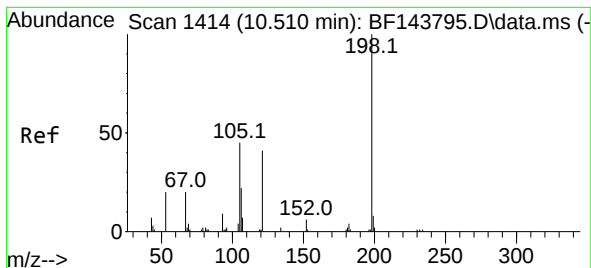
Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

80 9.9 8.6 12.8

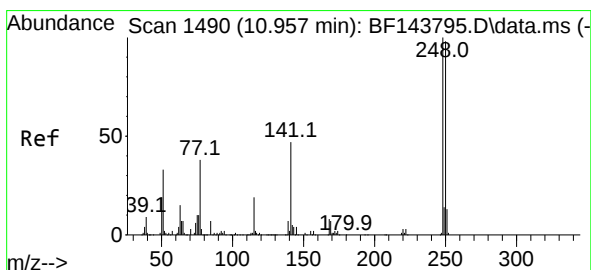
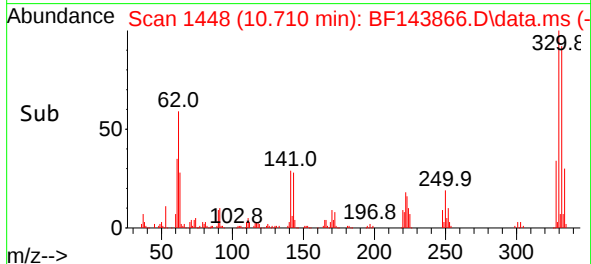
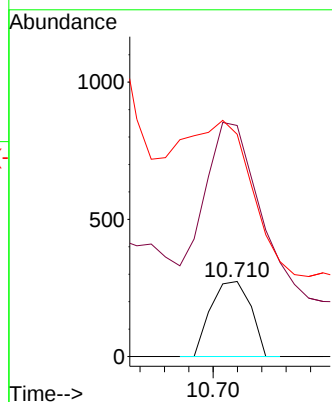
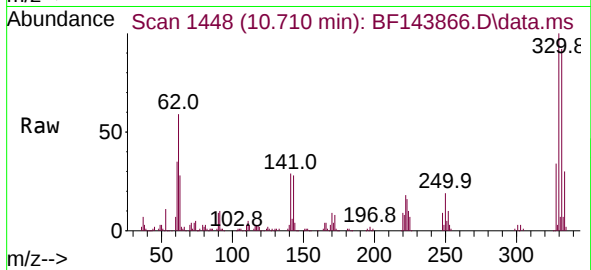




#65
4,6-Dinitro-2-methylphenol
Concen: 4.409 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

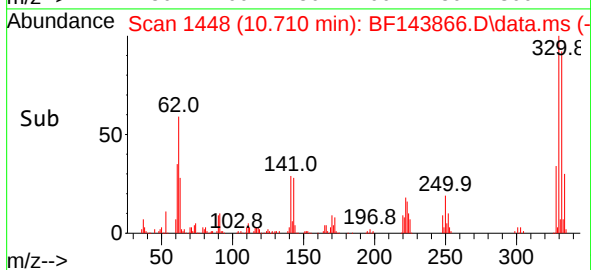
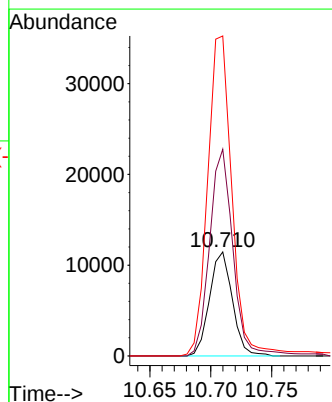
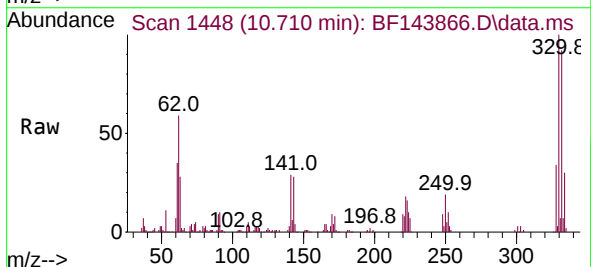
Instrument :
BNA_F
ClientSampleId :

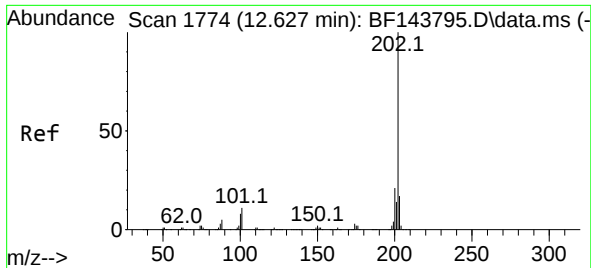
Tgt Ion:198 Resp: 312
Ion Ratio Lower Upper
198 100
51 307.3 52.0 92.0#
105 295.6 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 2.244 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

Tgt Ion:248 Resp: 14986
Ion Ratio Lower Upper
248 100
250 199.0 78.7 118.1#
141 308.0 37.9 56.9#

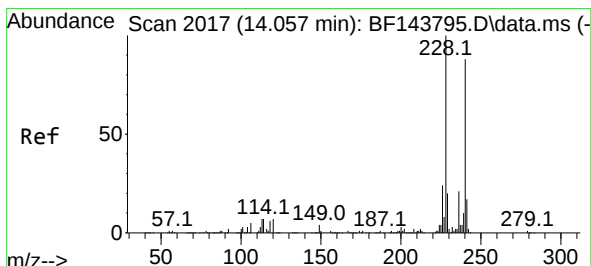
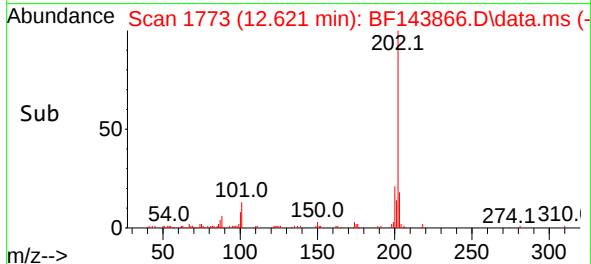
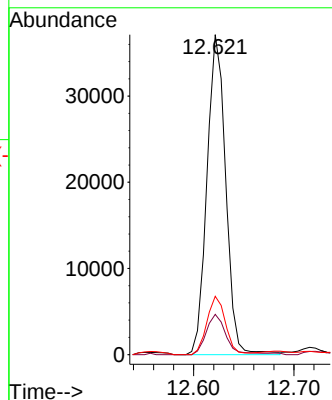
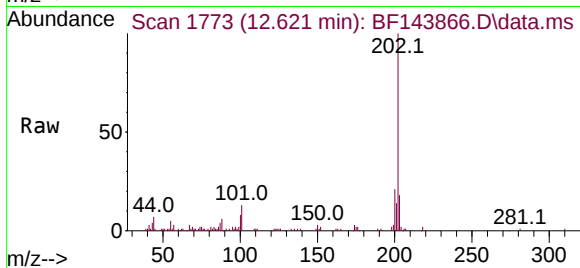




#75
Fluoranthene
Concen: 2.384 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

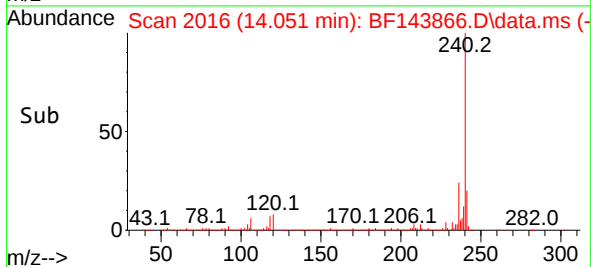
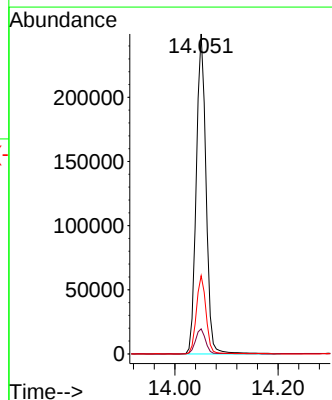
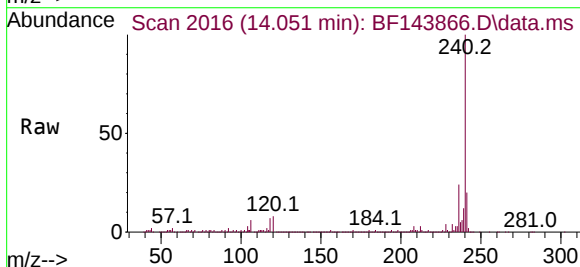
Instrument :
BNA_F
ClientSampleId :

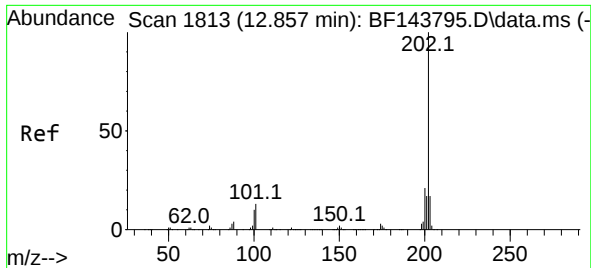
Tgt Ion:202 Resp: 48239
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.1
203 18.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143866.D
Acq: 02 Oct 2025 20:36

Tgt Ion:240 Resp: 327285
Ion Ratio Lower Upper
240 100
120 7.8 6.2 9.4
236 24.4 19.4 29.2

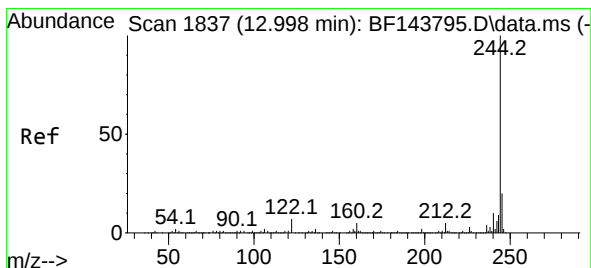
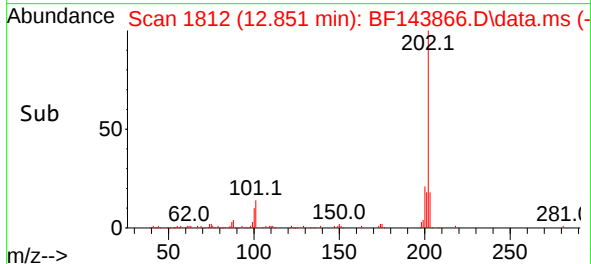
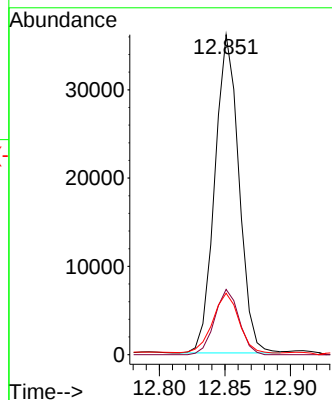
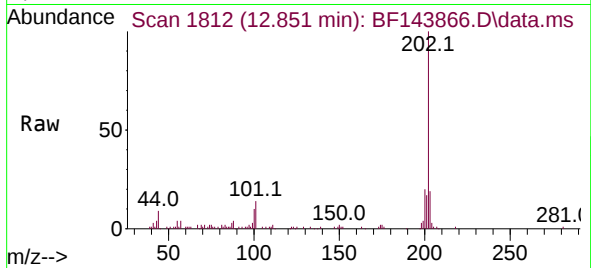




#78
 Pyrene
 Concen: 2.872 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143866.D
 Acq: 02 Oct 2025 20:36

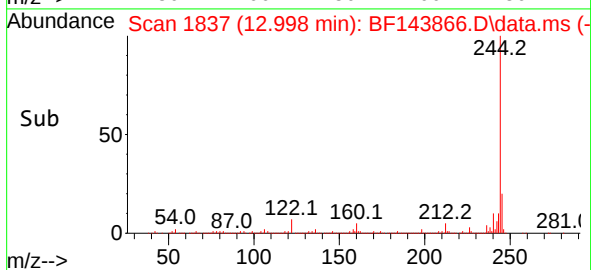
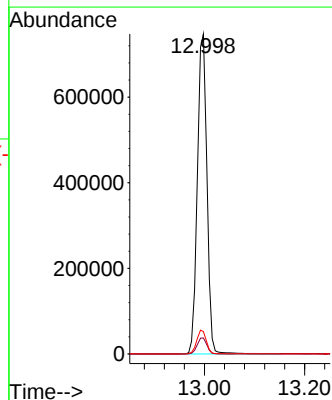
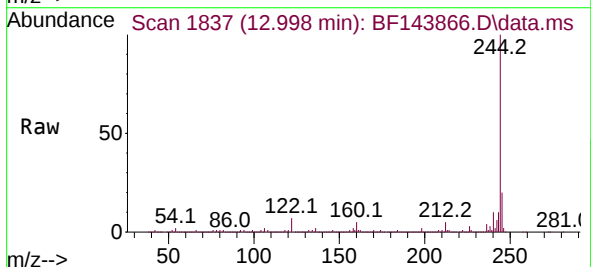
Instrument :
 BNA_F
 ClientSampleId :

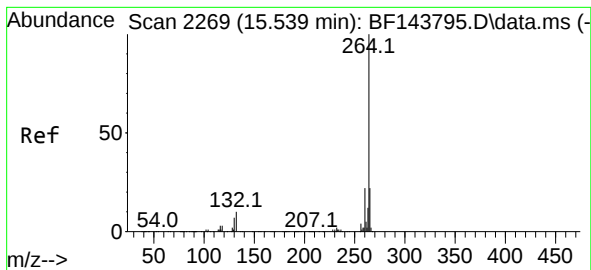
Tgt Ion:202	Resp:	46215
Ion Ratio	Lower	Upper
202	100	
200	20.4	17.0 25.4
203	19.2	13.9 20.9



#79
 Terphenyl-d14
 Concen: 61.444 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143866.D
 Acq: 02 Oct 2025 20:36

Tgt Ion:244	Resp:	988798
Ion Ratio	Lower	Upper
244	100	
212	5.0	3.9 5.9
122	7.0	5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143866.D

Acq: 02 Oct 2025 20:36

Instrument :

BNA_F

ClientSampleId :

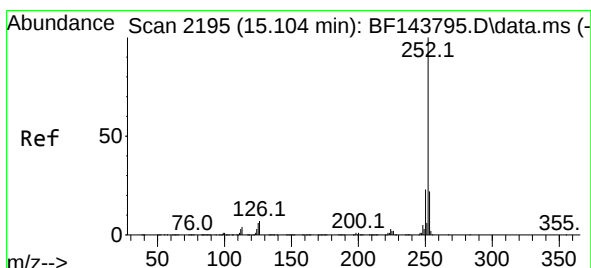
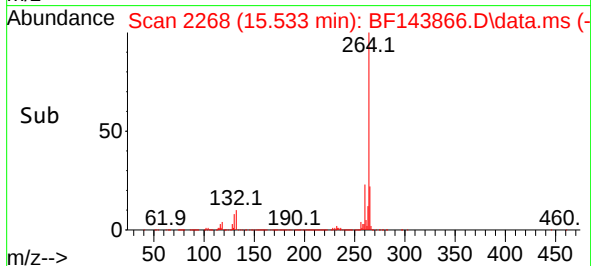
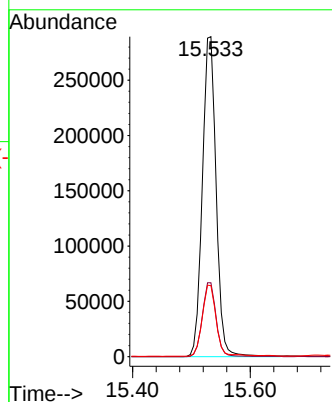
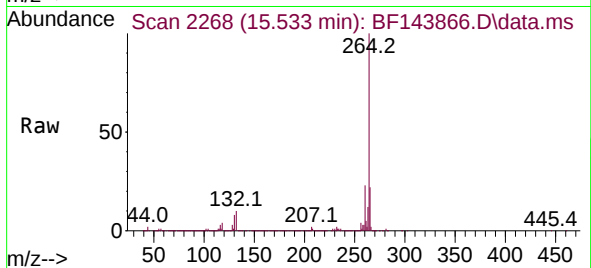
Tgt Ion:264 Resp: 470701

Ion Ratio Lower Upper

264 100

260 23.1 17.9 26.9

265 22.2 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.589 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF143866.D

Acq: 02 Oct 2025 20:36

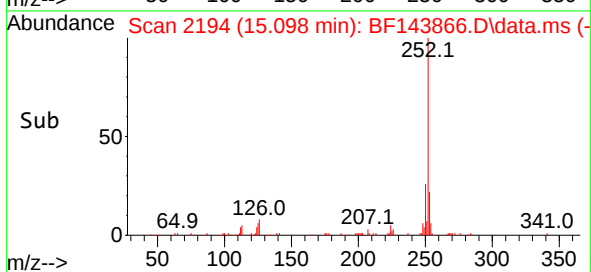
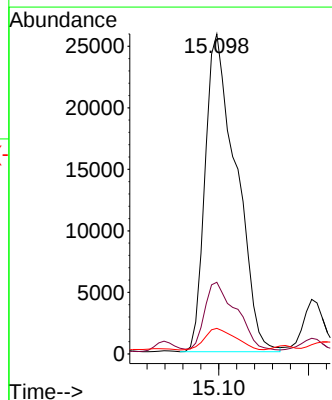
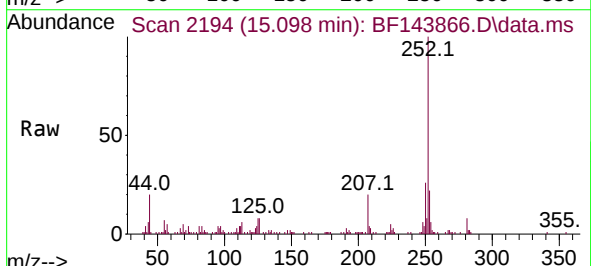
Tgt Ion:252 Resp: 62053

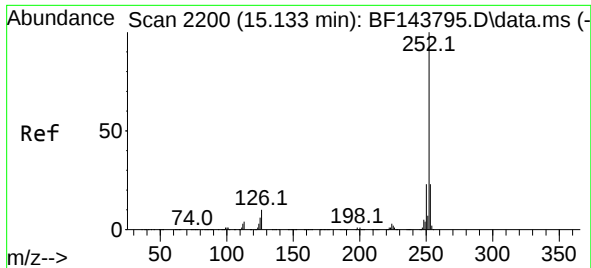
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 8.0 4.4 6.6#





#89

Benzo(k)fluoranthene

Concen: 2.577 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.041 min

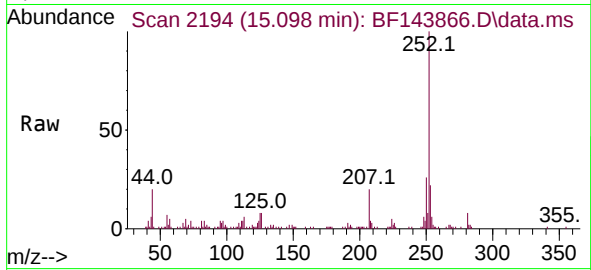
Lab File: BF143866.D

Acq: 02 Oct 2025 20:36

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 62053

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 8.0 4.6 6.8#

