

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143732.D
 Acq On : 12 Sep 2025 14:42
 Operator : RC/JU
 Sample : Q3082-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-30

Quant Time: Sep 12 15:04:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

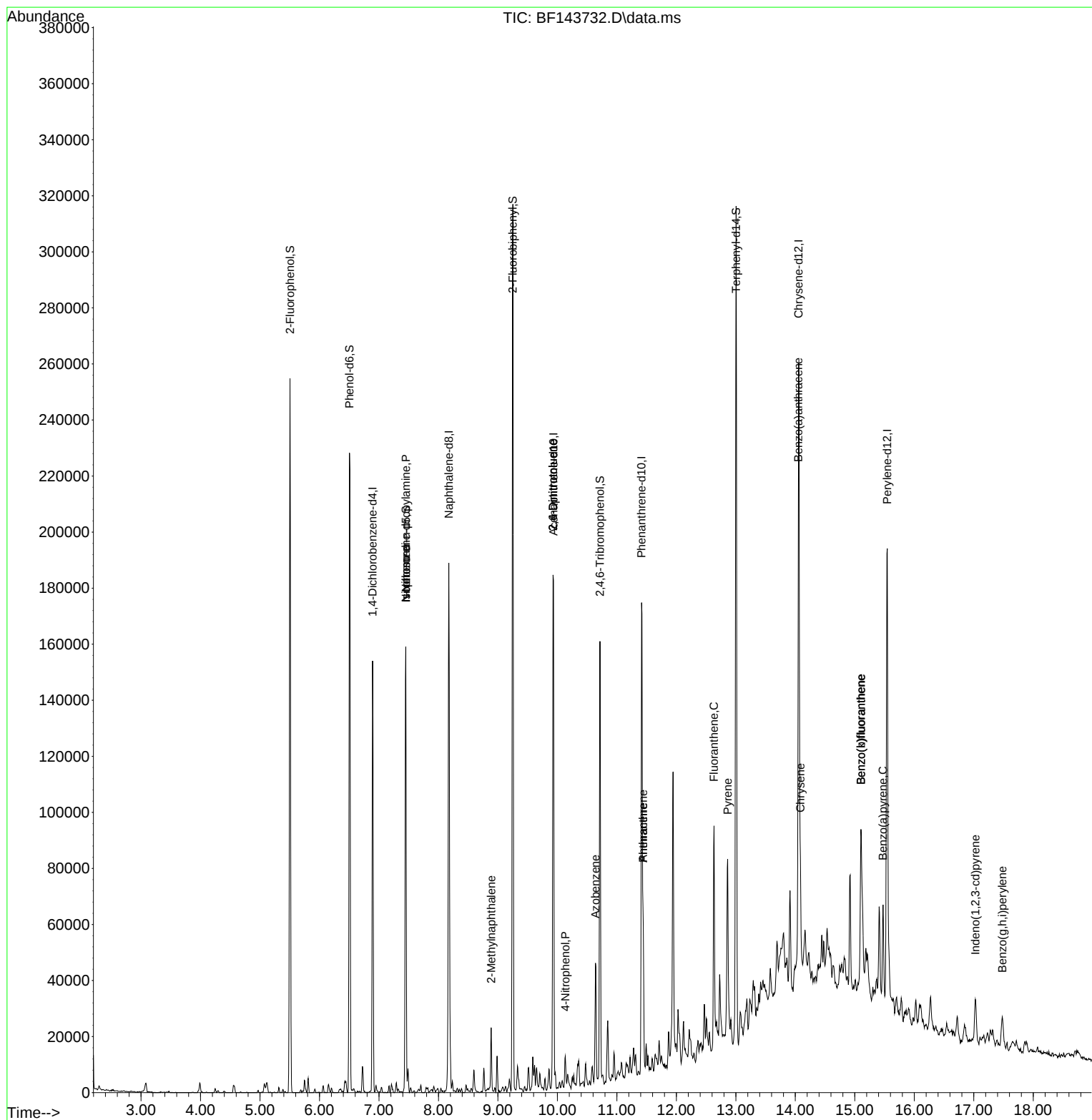
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	34289	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	119652	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	59408	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	87972	20.000	ng	0.00
76) Chrysene-d12	14.057	240	86939	20.000	ng	0.01
86) Perylene-d12	15.545	264	95386	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	95813	47.674	ng	0.00
7) Phenol-d6	6.504	99	112598	46.014	ng	0.00
23) Nitrobenzene-d5	7.451	82	69415	36.085	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	27093	45.253	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	148121	37.664	ng	0.00
79) Terphenyl-d14	13.004	244	141005	26.283	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	9036	6.012	ng	# 78
25) Isophorone	7.451	82	69330	18.795	ng	# 64
37) 2-Methylnaphthalene	8.887	142	9007	2.221	ng	98
51) 2,6-Dinitrotoluene	9.928	165	7873	10.653	ng	# 27
56) 4-Nitrophenol	10.133	139	1595	2.521	ng	# 9
57) 2,4-Dinitrotoluene	9.928	165	7873	7.827	ng	# 27
63) Azobenzene	10.639	77	9916	3.091	ng	# 1
71) Phenanthrene	11.439	178	29675	6.122	ng	96
72) Anthracene	11.439	178	29675	6.089	ng	97
75) Fluoranthene	12.633	202	42350	9.517	ng	99
78) Pyrene	12.863	202	36564	5.260	ng	96
81) Benzo(a)anthracene	14.051	228	27988	5.004	ng	93
83) Chrysene	14.086	228	21893	4.274	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	13102	2.013	ng	95
88) Benzo(b)fluoranthene	15.104	252	43120	7.594	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	43120	8.414	ng	# 95
90) Benzo(a)pyrene	15.474	252	20851	4.180	ng	# 97
92) Benzo(g,h,i)perylene	17.480	276	10378	2.054	ng	96

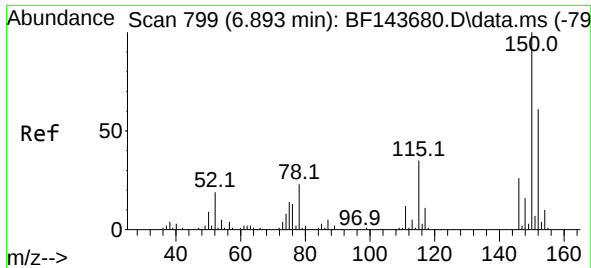
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
Data File : BF143732.D
Acq On : 12 Sep 2025 14:42
Operator : RC/JU
Sample : Q3082-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-30

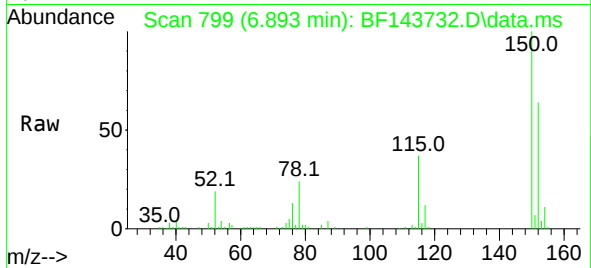
Quant Time: Sep 12 15:04:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration



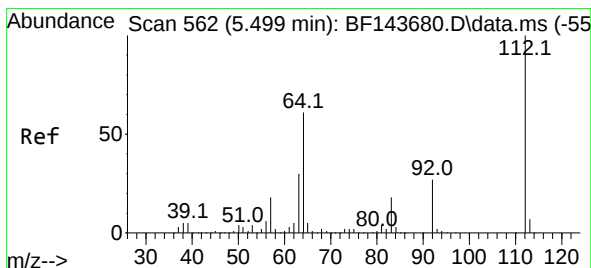
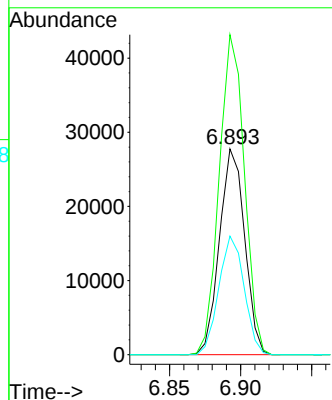
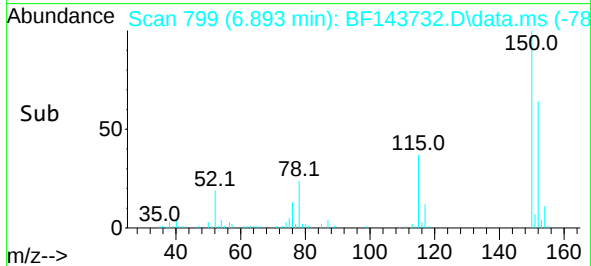


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

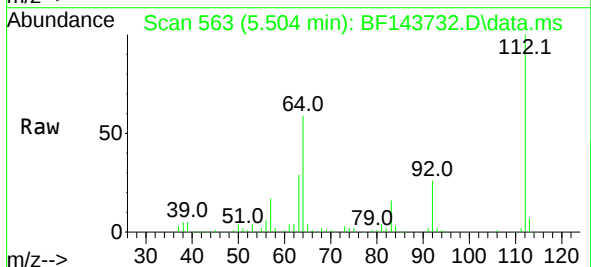
Instrument :
BNA_F
ClientSampleId :
WC-30



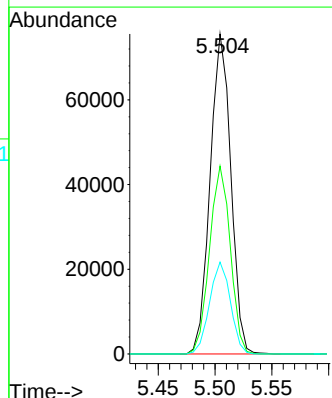
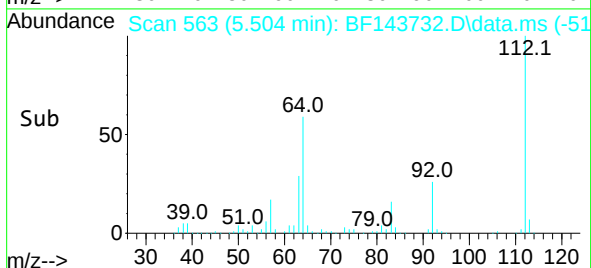
Tgt Ion:152 Resp: 34289
Ion Ratio Lower Upper
152 100
150 155.5 130.7 196.1
115 57.6 45.9 68.9

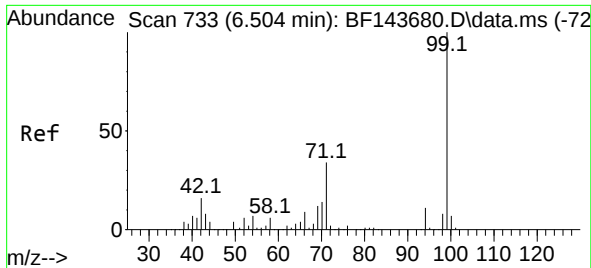


#5
2-Fluorophenol
Concen: 47.674 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42



Tgt Ion:112 Resp: 95813
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.4
63 28.7 24.3 36.5

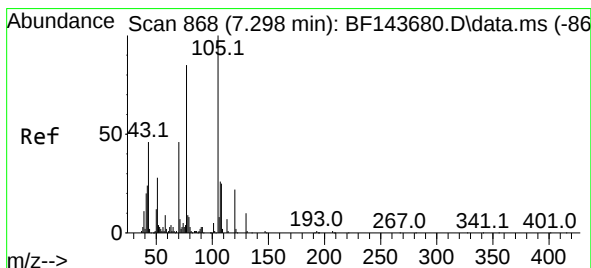
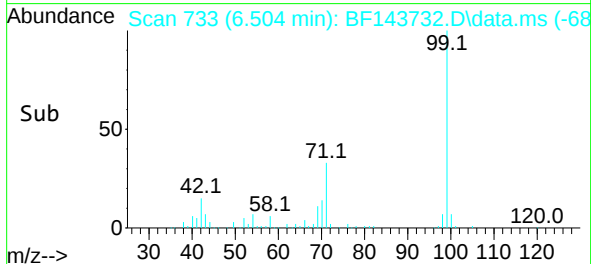
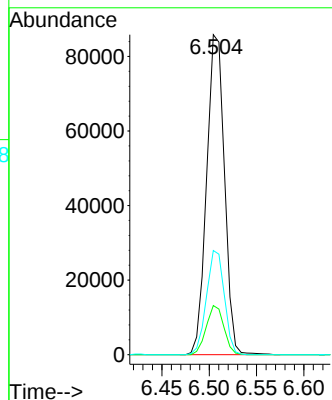
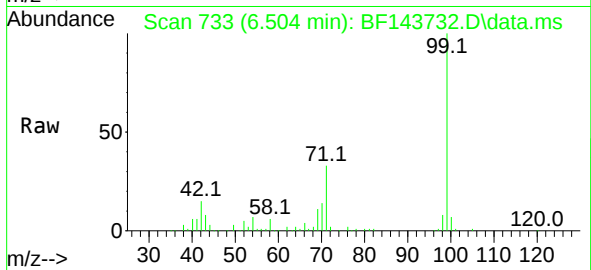




#7
Phenol-d6
Concen: 46.014 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

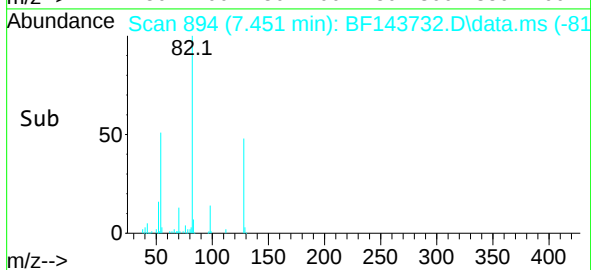
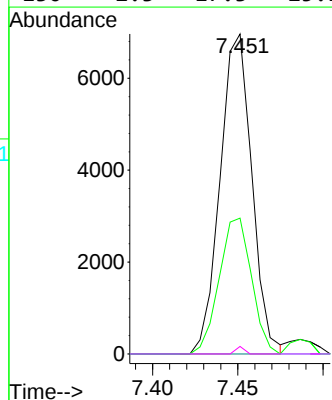
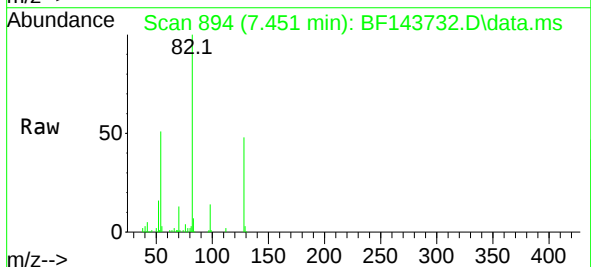
Instrument :
BNA_F
ClientSampleId :
WC-30

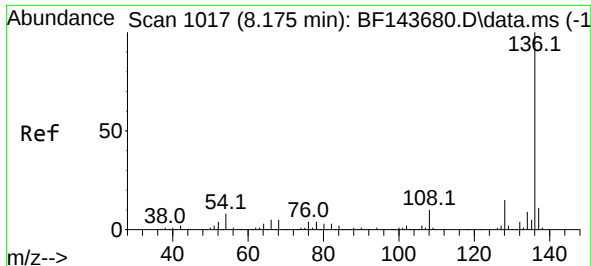
Tgt Ion: 99 Resp: 112598
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 32.6 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 6.012 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion: 70 Resp: 9036
Ion Ratio Lower Upper
70 100
42 42.4 41.4 62.2
101 0.0 8.1 12.1#
130 2.3 17.3 25.9#

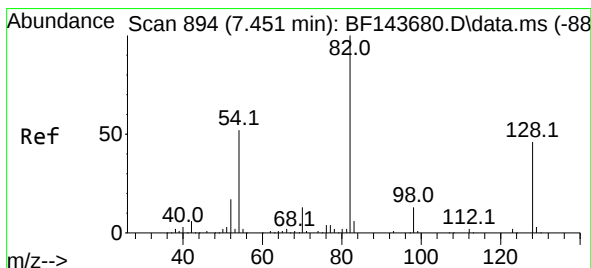
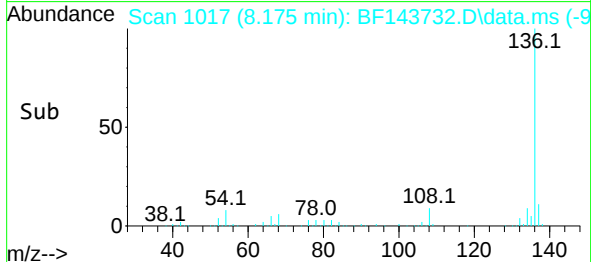
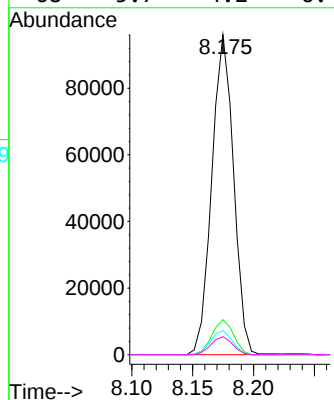
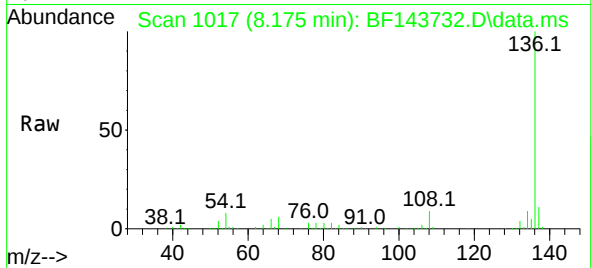




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

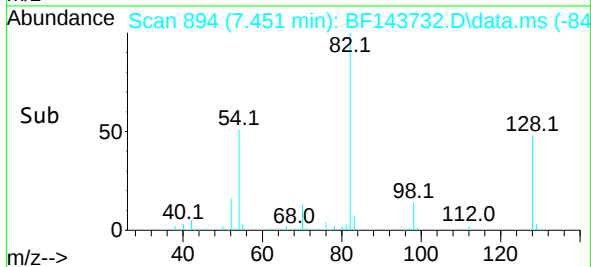
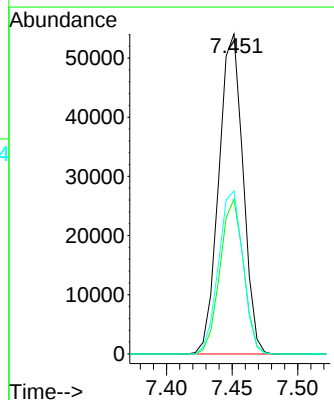
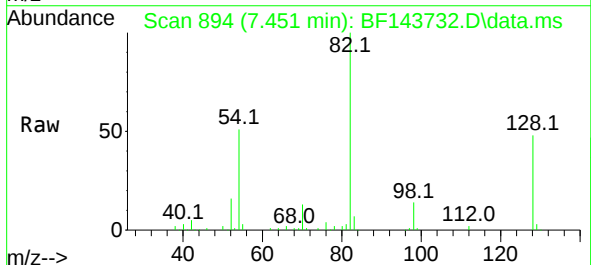
Instrument :
BNA_F
ClientSampleId :
WC-30

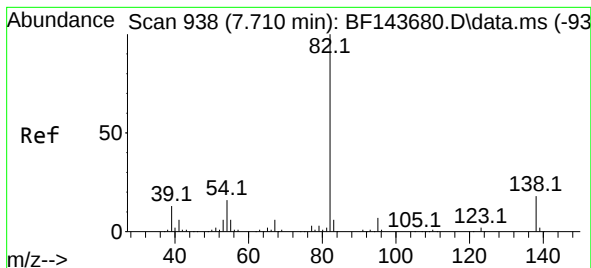
Tgt Ion:	136	Resp:	119652
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.5	6.2	9.2
68	5.7	4.2	6.4



#23
Nitrobenzene-d5
Concen: 36.085 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion:	82	Resp:	69415
Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.0	55.4
54	50.9	41.8	62.8





#25

Isophorone

Concen: 18.795 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.259 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

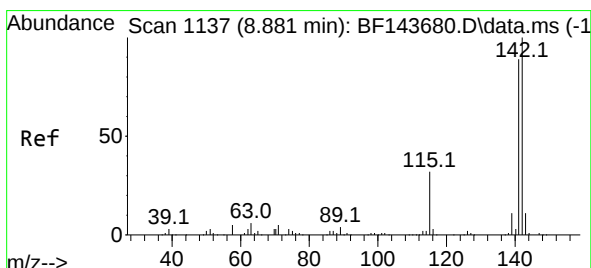
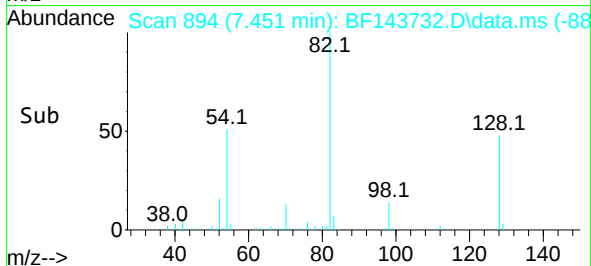
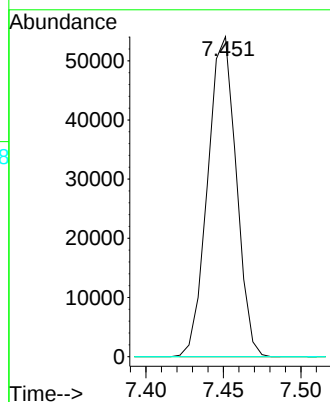
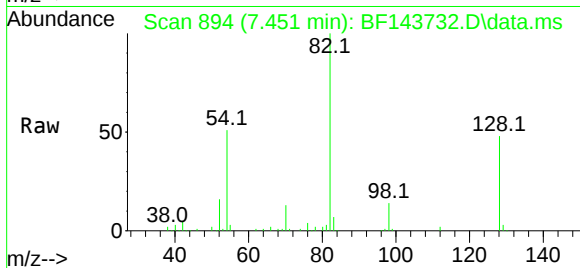
Tgt Ion: 82 Resp: 69330

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.8 22.2#



#37

2-Methylnaphthalene

Concen: 2.221 ng

RT: 8.887 min Scan# 1138

Delta R.T. 0.006 min

Lab File: BF143732.D

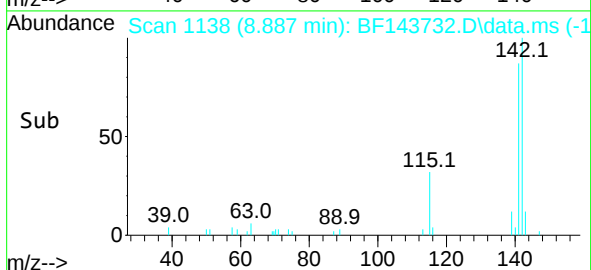
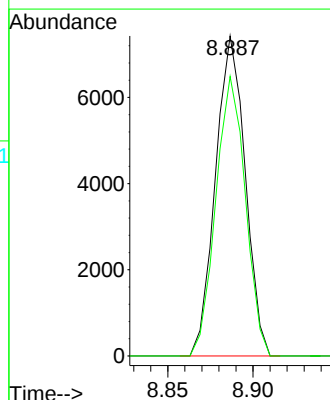
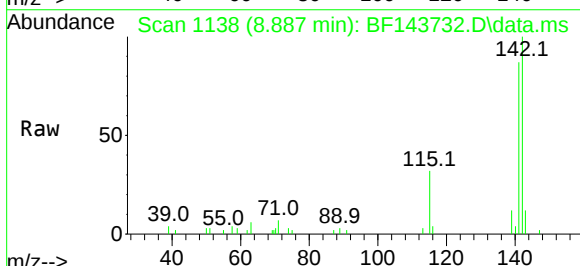
Acq: 12 Sep 2025 14:42

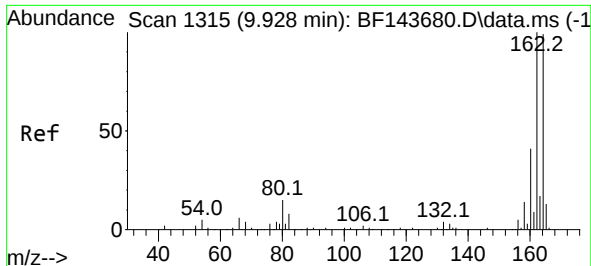
Tgt Ion: 142 Resp: 9007

Ion Ratio Lower Upper

142 100

141 87.3 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

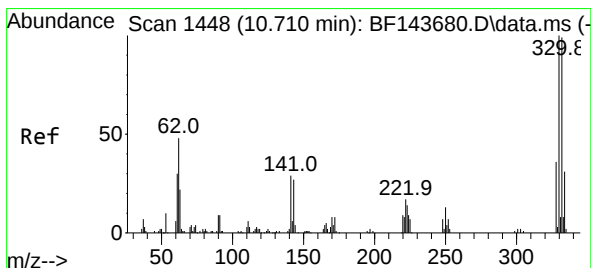
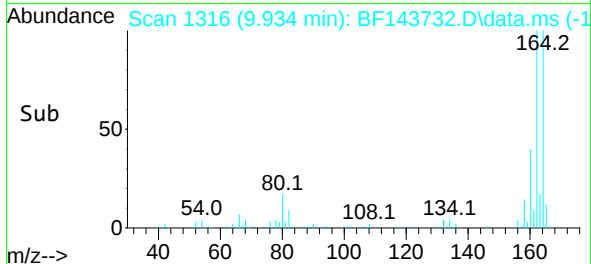
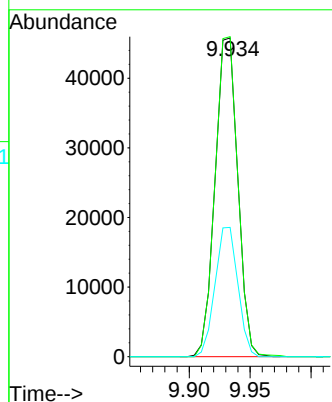
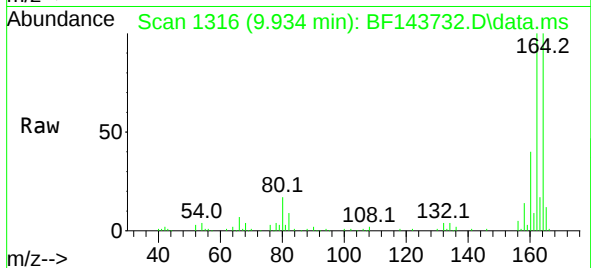
Tgt Ion:164 Resp: 59408

Ion Ratio Lower Upper

164 100

162 100.4 80.6 121.0

160 40.6 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 45.253 ng

RT: 10.716 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

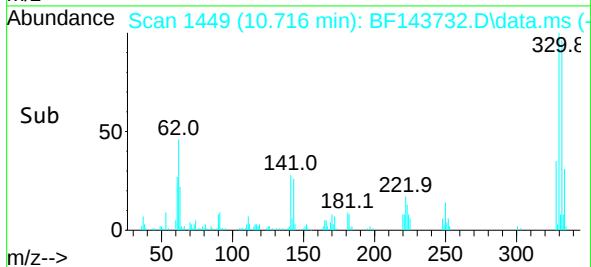
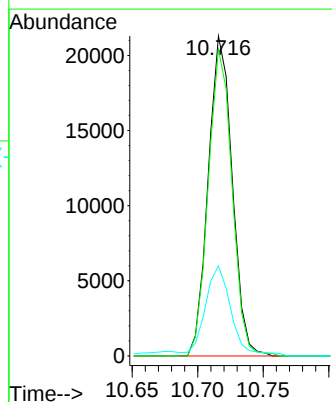
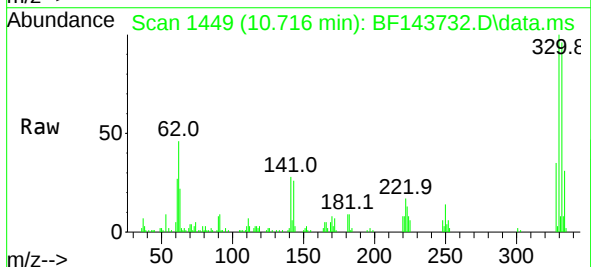
Tgt Ion:330 Resp: 27093

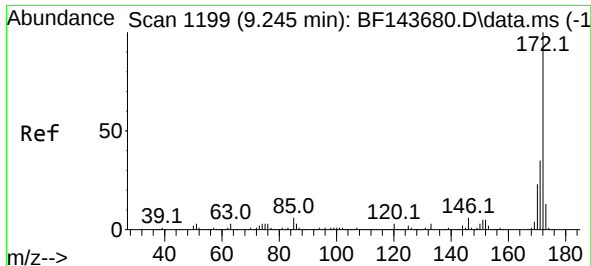
Ion Ratio Lower Upper

330 100

332 94.9 79.2 118.8

141 30.3 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 37.664 ng

RT: 9.251 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

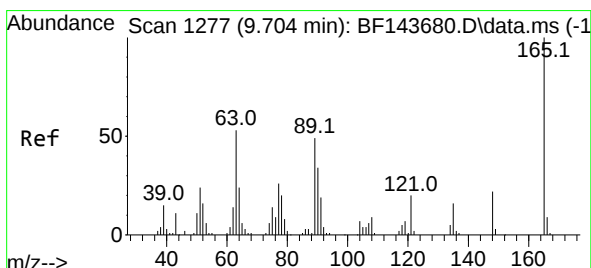
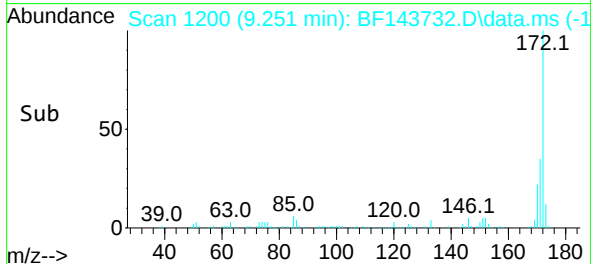
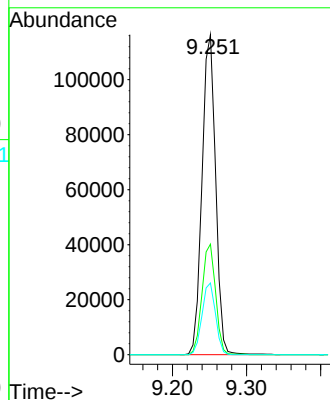
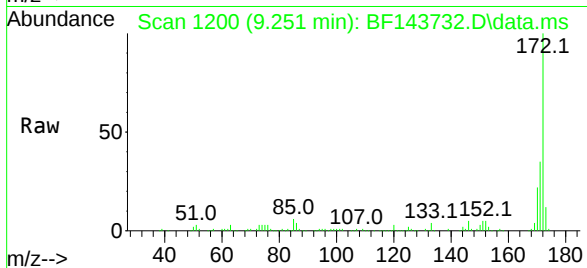
Tgt Ion:172 Resp: 148121

Ion Ratio Lower Upper

172 100

171 34.5 27.9 41.9

170 22.4 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 10.653 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.223 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

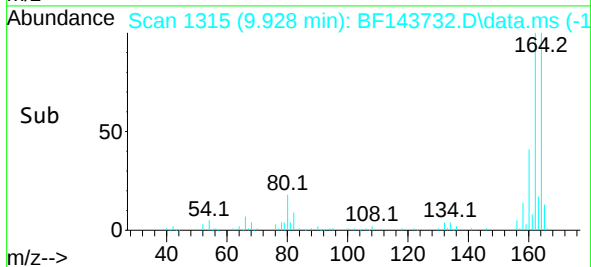
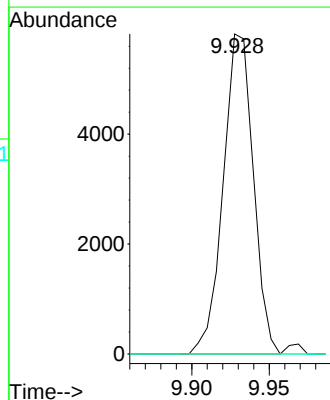
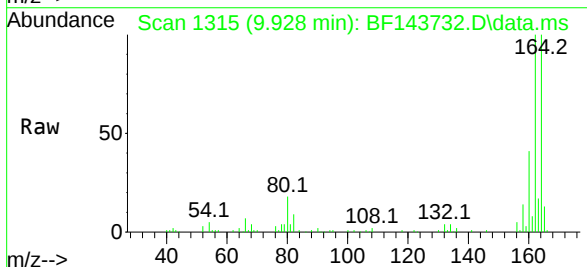
Tgt Ion:165 Resp: 7873

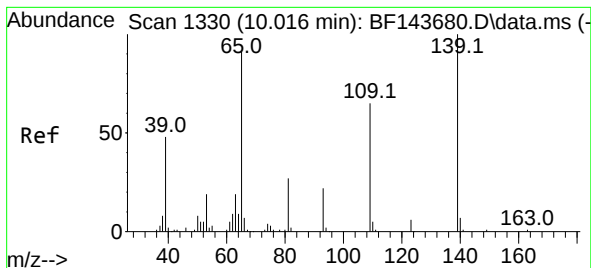
Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#

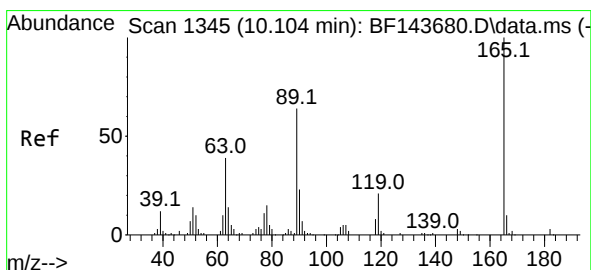
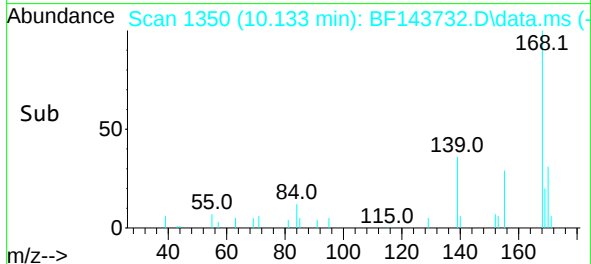
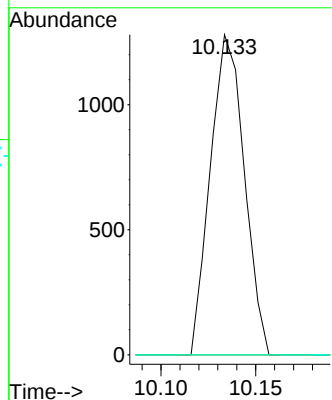
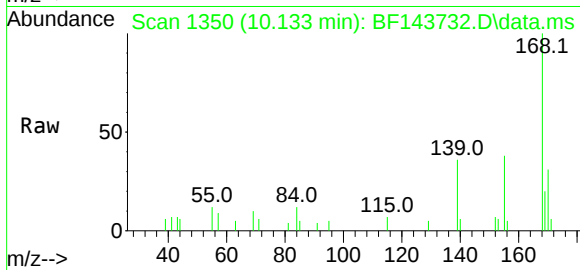




#56
4-Nitrophenol
Concen: 2.521 ng
RT: 10.133 min Scan# 1315
Delta R.T. 0.118 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

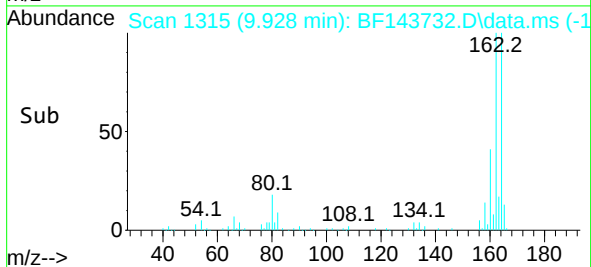
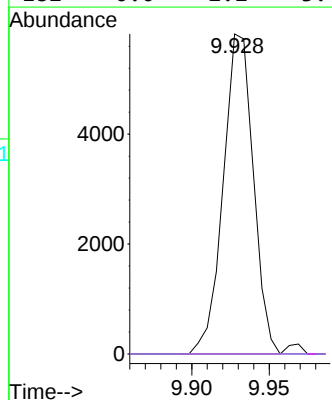
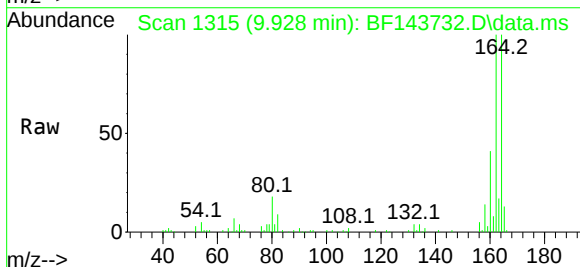
Instrument :
BNA_F
ClientSampleId :
WC-30

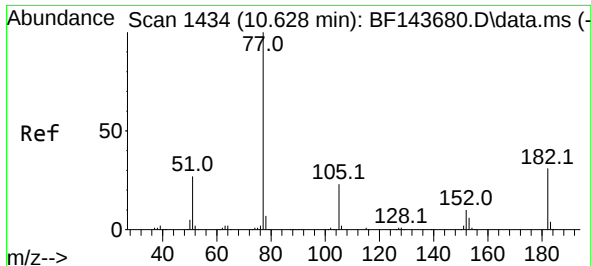
Tgt Ion:139 Resp: 1595
Ion Ratio Lower Upper
139 100
109 0.0 45.2 85.2#
65 0.0 72.1 112.1#



#57
2,4-Dinitrotoluene
Concen: 7.827 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.177 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion:165 Resp: 7873
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 0.0 51.3 76.9#
182 0.0 2.2 3.4#

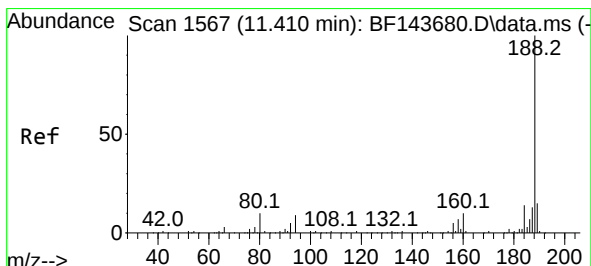
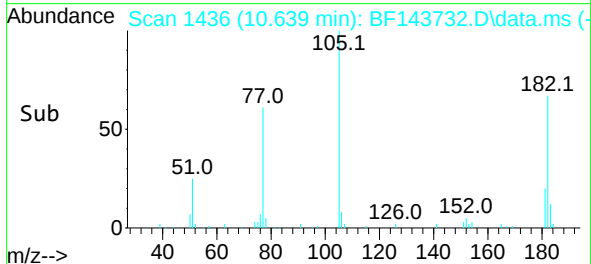
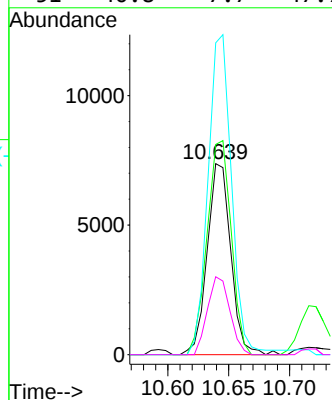
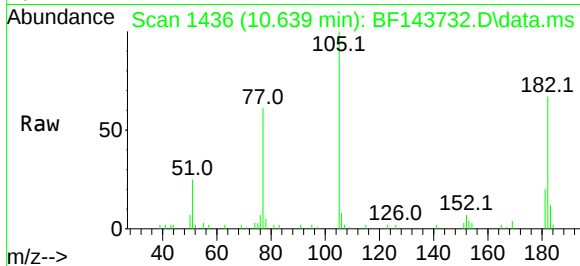




#63
Azobenzene
Concen: 3.091 ng
RT: 10.639 min Scan# 1436
Delta R.T. 0.012 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

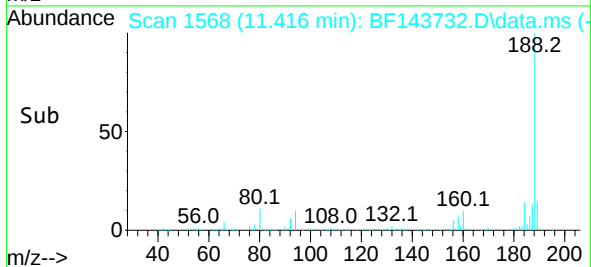
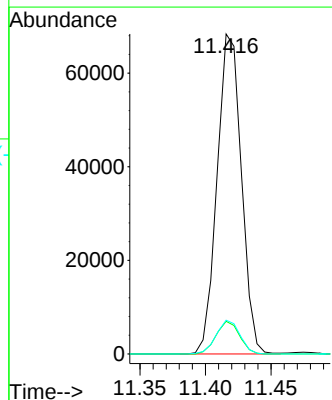
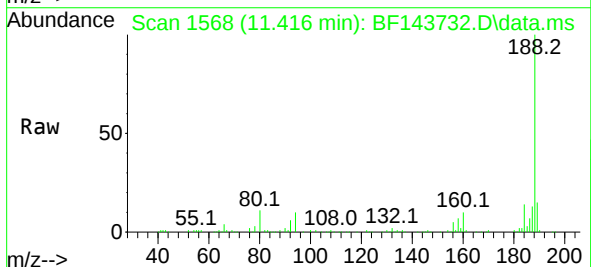
Instrument :
BNA_F
ClientSampleId :
WC-30

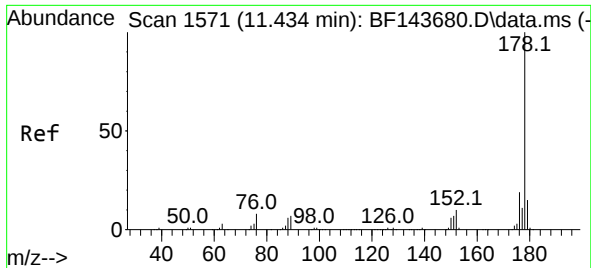
Tgt Ion: 77 Resp: 9916
Ion Ratio Lower Upper
77 100
182 110.1 10.8 50.8#
105 163.2 3.2 43.2#
51 40.8 7.7 47.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion: 188 Resp: 87972
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 10.6 7.7 11.5

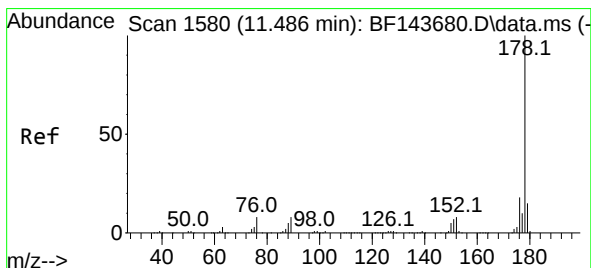
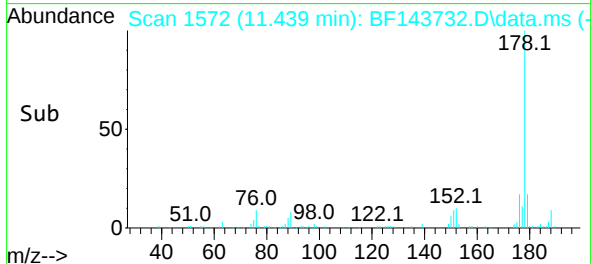
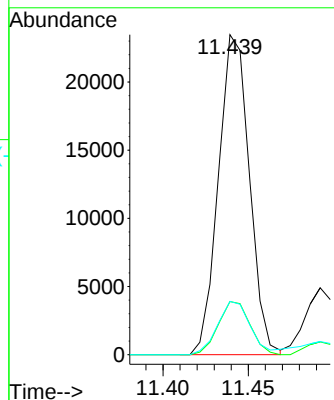
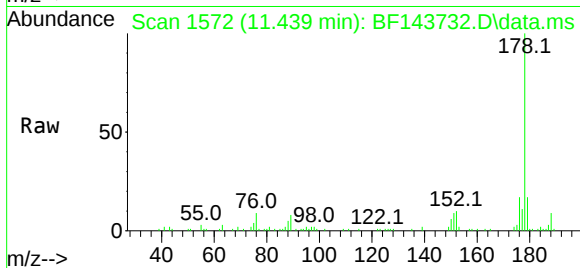




#71
Phenanthrene
Concen: 6.122 ng
RT: 11.439 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

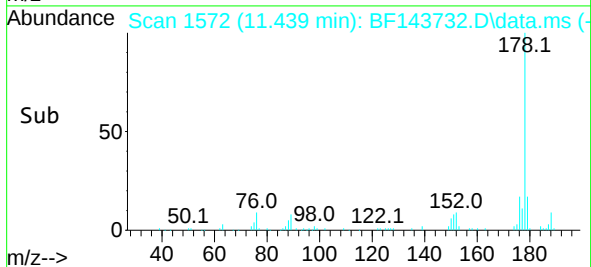
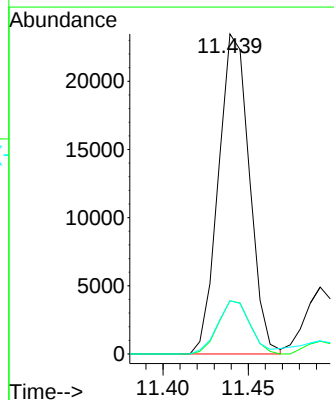
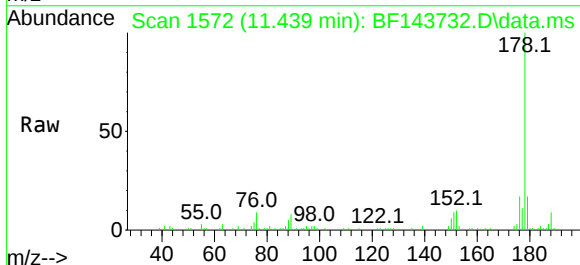
Instrument :
BNA_F
ClientSampleId :
WC-30

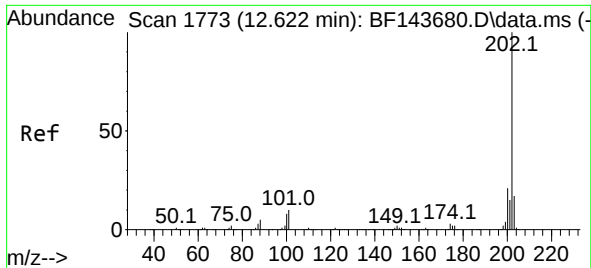
Tgt Ion:178 Resp: 29675
Ion Ratio Lower Upper
178 100
176 16.6 14.8 22.2
179 16.6 12.2 18.2



#72
Anthracene
Concen: 6.089 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.047 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion:178 Resp: 29675
Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 16.6 12.2 18.2

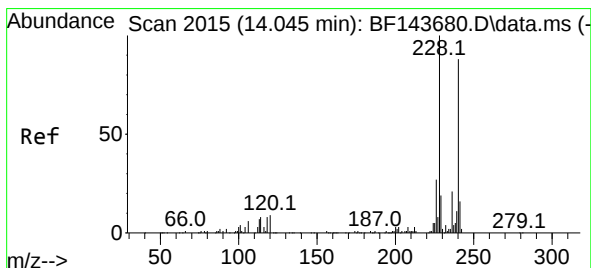
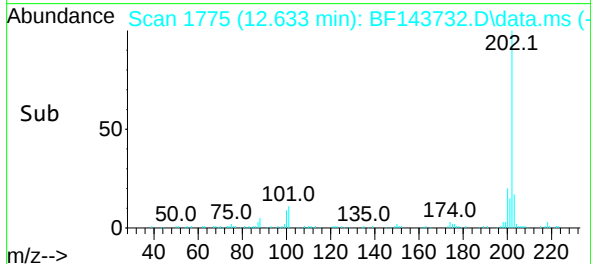
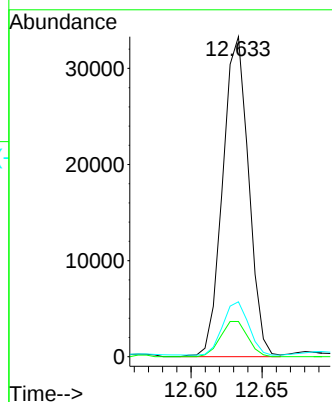
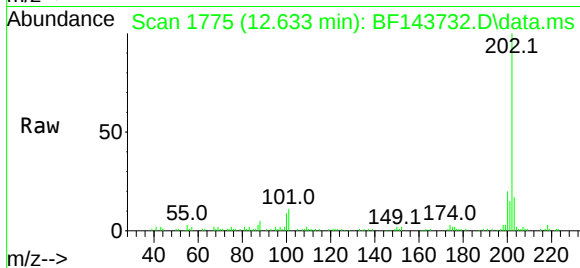




#75
Fluoranthene
Concen: 9.517 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

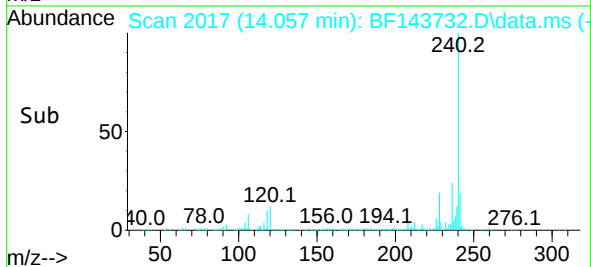
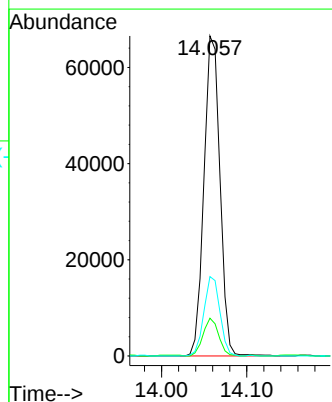
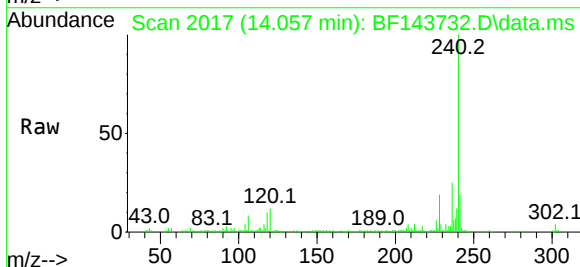
Instrument :
BNA_F
ClientSampleId :
WC-30

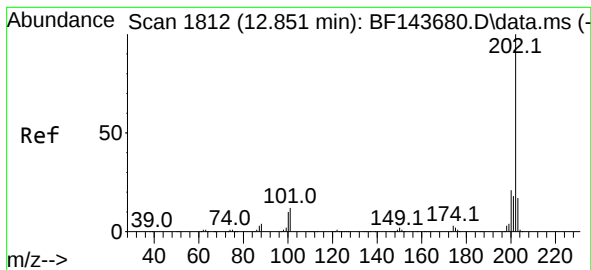
Tgt Ion:202 Resp: 42350
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.5
203 17.1 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion:240 Resp: 86939
Ion Ratio Lower Upper
240 100
120 11.8 8.4 12.6
236 24.8 18.6 28.0





#78

Pyrene

Concen: 5.260 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.012 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

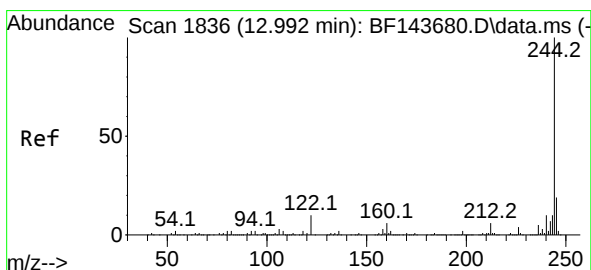
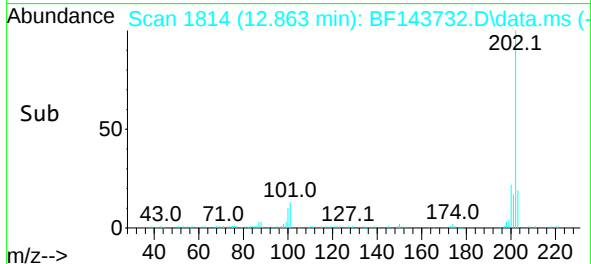
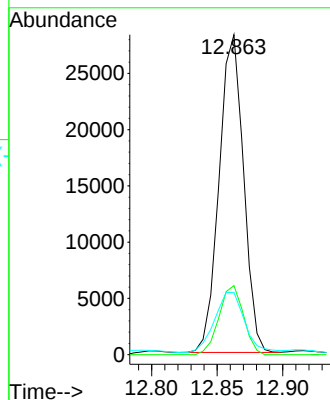
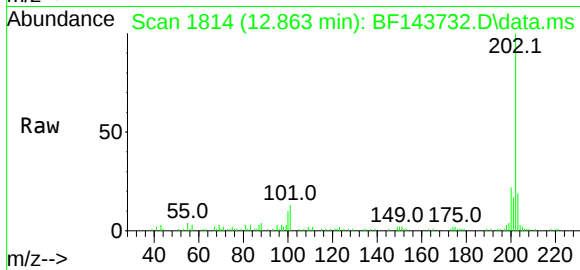
Tgt Ion:202 Resp: 36564

Ion Ratio Lower Upper

202 100

200 21.6 16.6 24.8

203 19.4 13.5 20.3



#79

Terphenyl-d14

Concen: 26.283 ng

RT: 13.004 min Scan# 1838

Delta R.T. 0.012 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

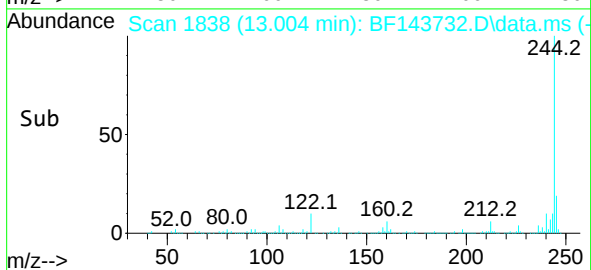
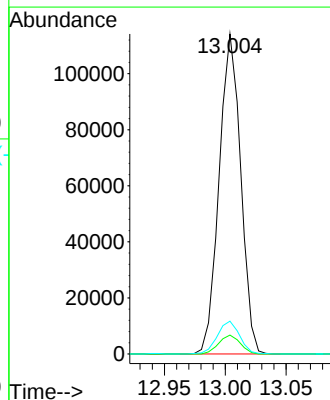
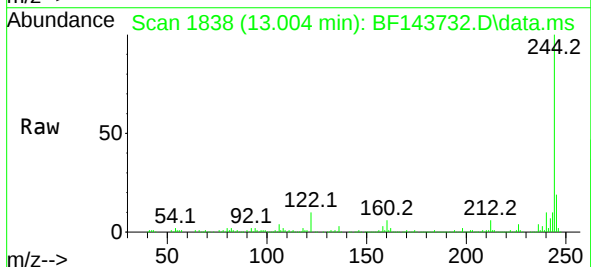
Tgt Ion:244 Resp: 141005

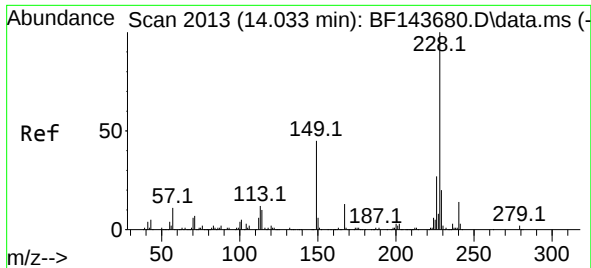
Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.6

122 10.3 7.9 11.9

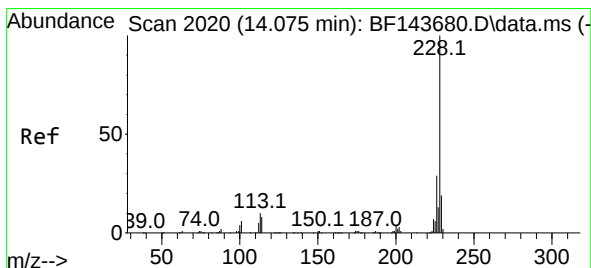
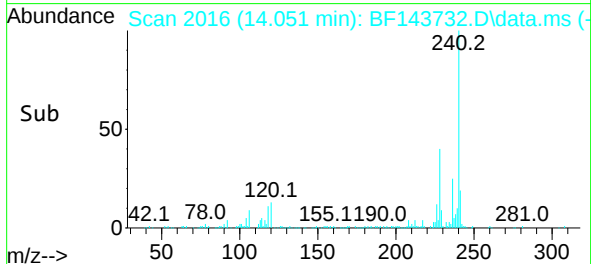
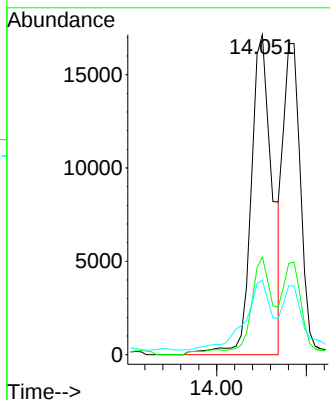
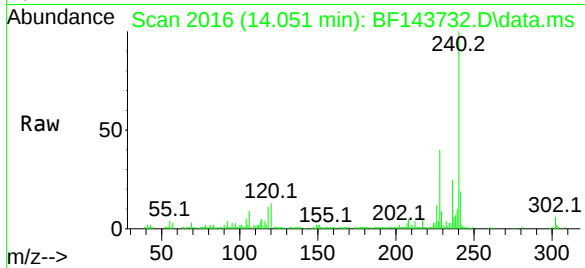




#81
Benzo(a)anthracene
Concen: 5.004 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.018 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

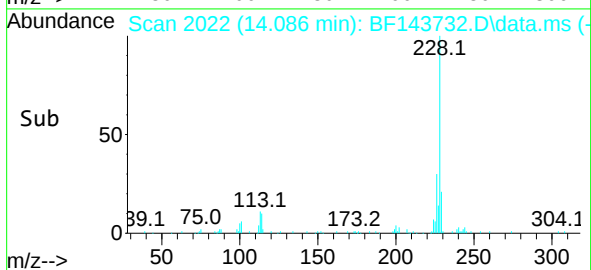
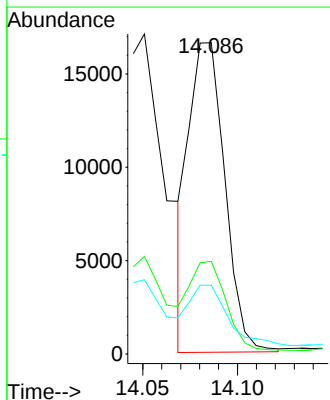
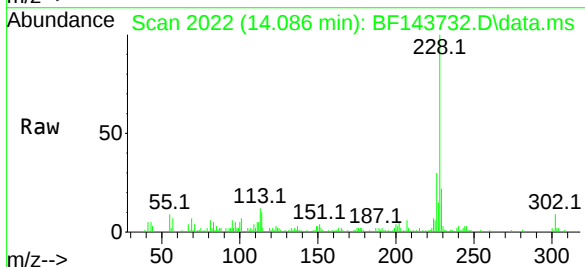
Instrument :
BNA_F
ClientSampleId :
WC-30

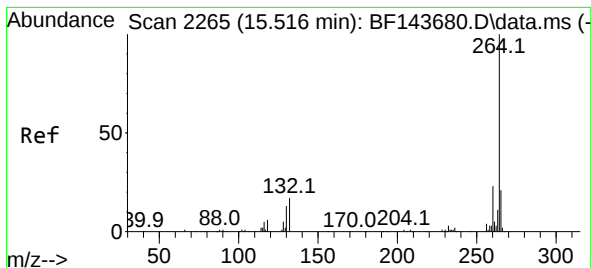
Tgt Ion:228 Resp: 27988
Ion Ratio Lower Upper
228 100
226 30.5 21.6 32.4
229 23.2 15.7 23.5



#83
Chrysene
Concen: 4.274 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion:228 Resp: 21893
Ion Ratio Lower Upper
228 100
226 29.8 22.7 34.1
229 22.1 15.1 22.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

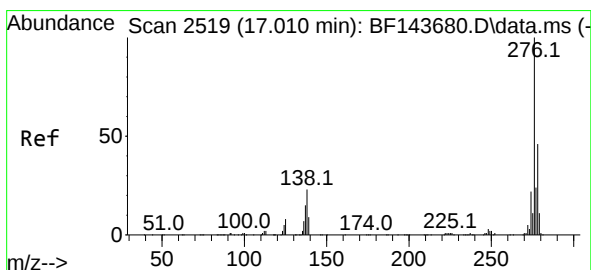
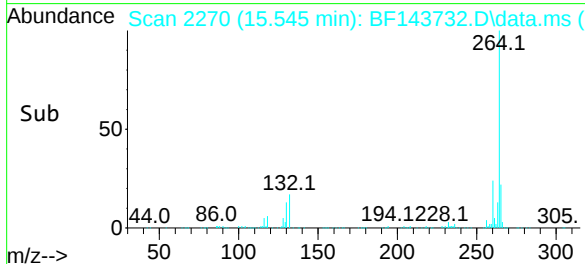
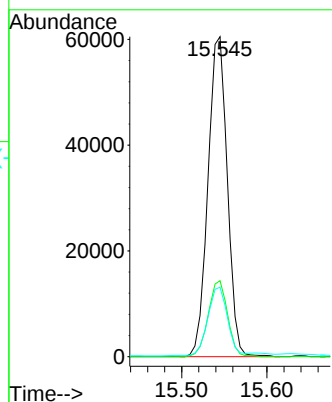
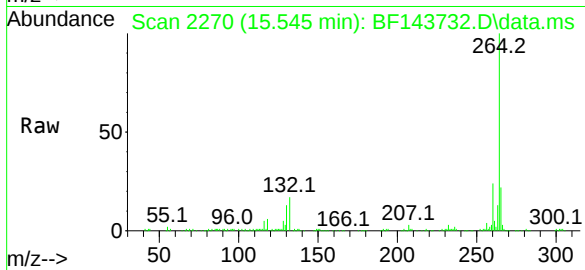
Tgt Ion:264 Resp: 95386

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.7 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.013 ng

RT: 17.027 min Scan# 2522

Delta R.T. 0.018 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

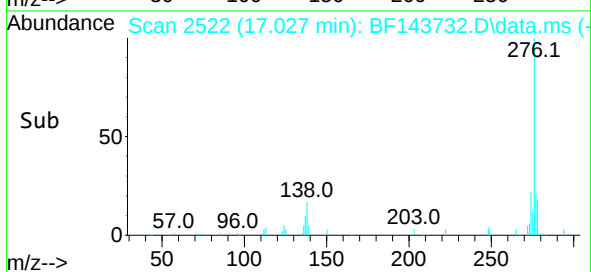
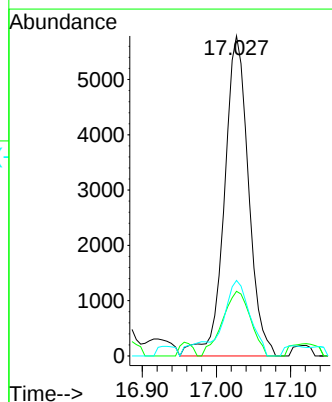
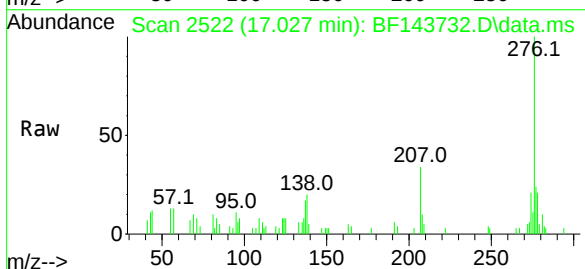
Tgt Ion:276 Resp: 13102

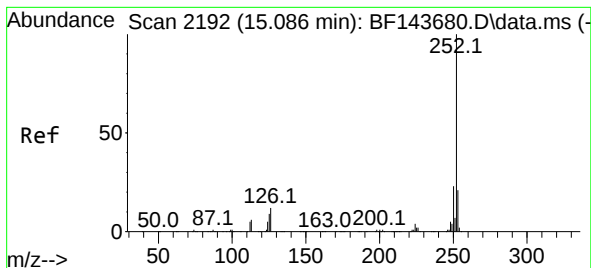
Ion Ratio Lower Upper

276 100

138 23.4 19.7 29.5

277 28.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 7.594 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.018 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

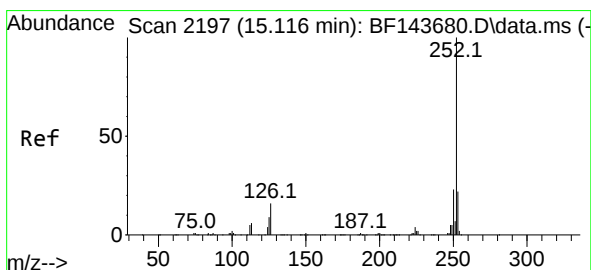
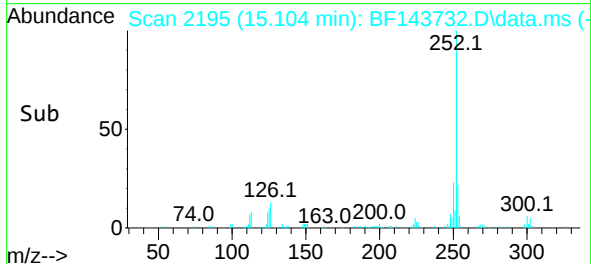
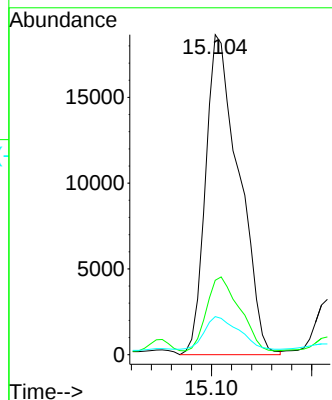
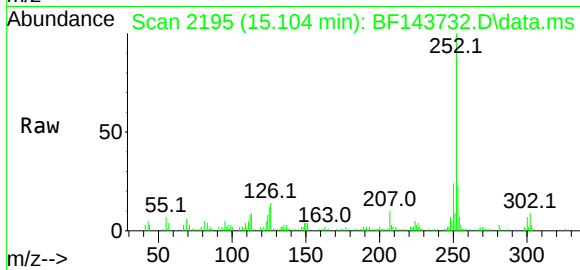
Tgt Ion:252 Resp: 43120

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 11.9 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 8.414 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

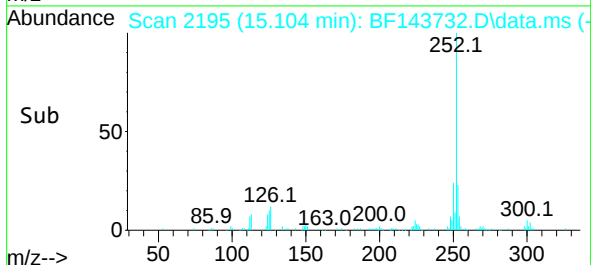
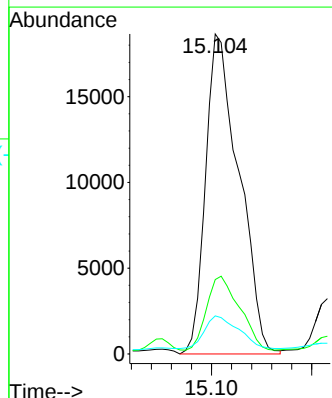
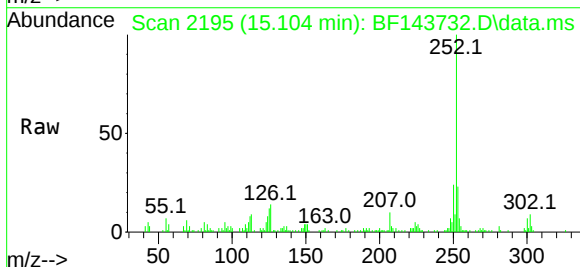
Tgt Ion:252 Resp: 43120

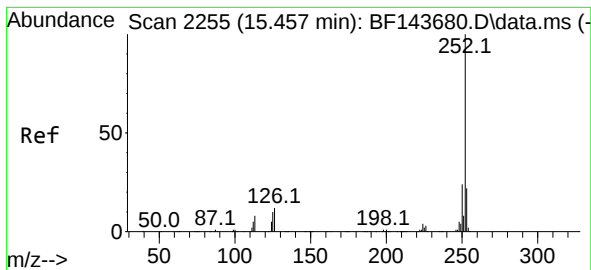
Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 11.9 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 4.180 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

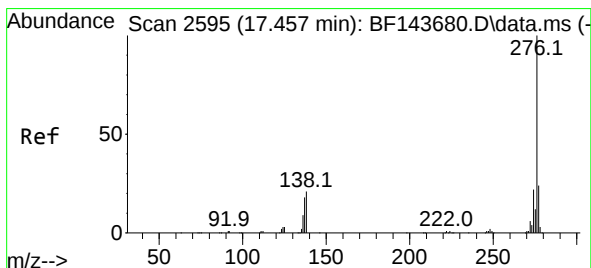
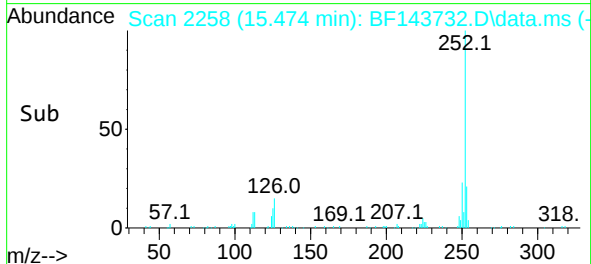
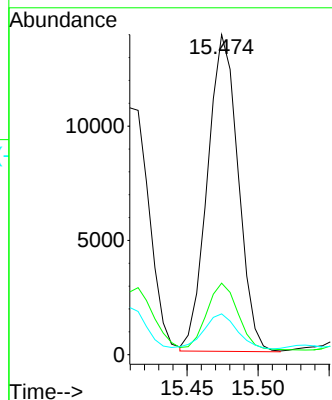
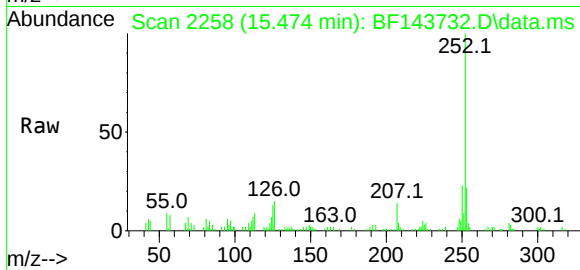
Tgt Ion:252 Resp: 20851

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 12.7 8.2 12.4#



#92

Benzo(g,h,i)perylene

Concen: 2.054 ng

RT: 17.480 min Scan# 2599

Delta R.T. 0.023 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Tgt Ion:276 Resp: 10378

Ion Ratio Lower Upper

276 100

277 25.8 19.2 28.8

138 23.6 17.0 25.4

