

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143812.D
 Acq On : 25 Sep 2025 19:21
 Operator : RC/JU
 Sample : Q3183-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Sep 25 23:24:26 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)

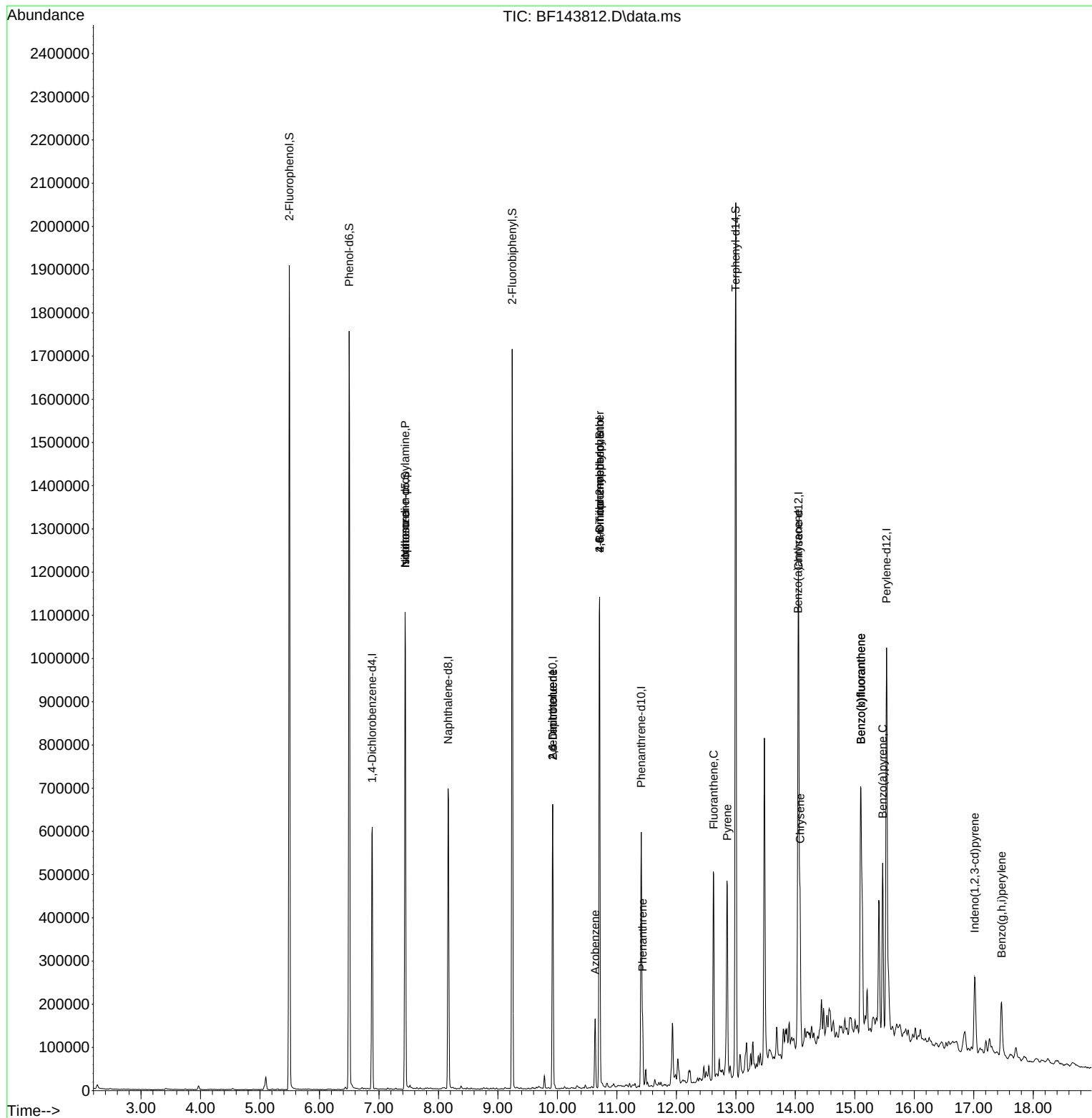
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	123670	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	420962	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	186913	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	296568	20.000	ng	0.00
76) Chrysene-d12	14.057	240	462477	20.000	ng	0.00
86) Perylene-d12	15.533	264	609932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	637711	83.779	ng	0.00
7) Phenol-d6	6.498	99	748010	85.049	ng	-0.01
23) Nitrobenzene-d5	7.439	82	424906	61.785	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	256090	92.533	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	740872	61.854	ng	0.00
79) Terphenyl-d14	12.998	244	1101657	48.445	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	60437	10.686	ng	# 74
25) Isophorone	7.439	82	421339	31.440	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	24480	13.079	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	24480	11.195	ng	# 19
63) Azobenzene	10.633	77	38231	3.402	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	308	4.484	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	14613	2.891	ng	# 1
71) Phenanthrene	11.433	178	79499	5.221	ng	100
75) Fluoranthene	12.627	202	281769	18.400	ng	99
78) Pyrene	12.857	202	267391	11.760	ng	99
81) Benzo(a)anthracene	14.045	228	237023	9.540	ng	95
83) Chrysene	14.080	228	197754	8.796	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	155645	3.363	ng	98
88) Benzo(b)fluoranthene	15.104	252	605267	19.487	ng	# 99
89) Benzo(k)fluoranthene	15.104	252	605267	19.396	ng	99
90) Benzo(a)pyrene	15.468	252	275059	9.421	ng	97
92) Benzo(g,h,i)perylene	17.468	276	136209	3.733	ng	99

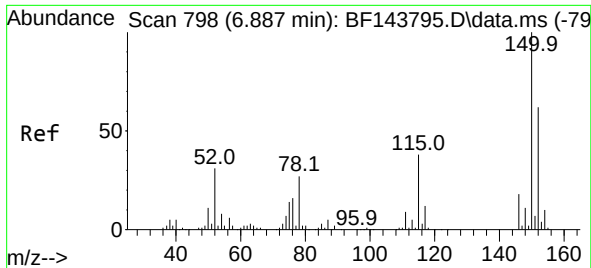
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143812.D
Acq On : 25 Sep 2025 19:21
Operator : RC/JU
Sample : Q3183-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

Quant Time: Sep 25 23:24:26 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

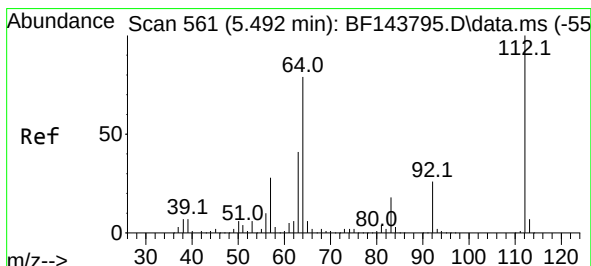
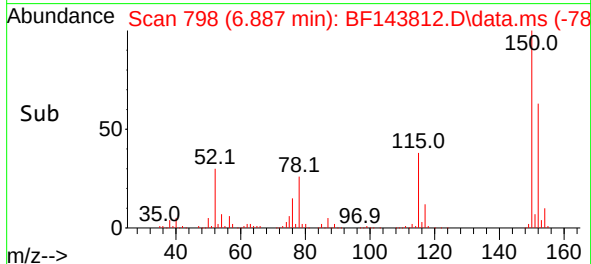
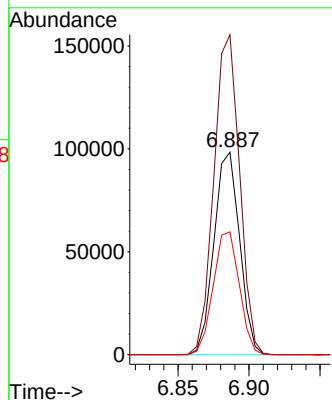
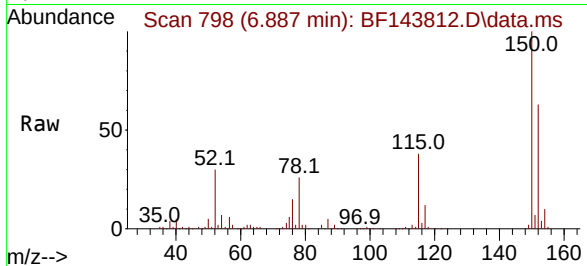




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143812.D
 Acq: 25 Sep 2025 19:21

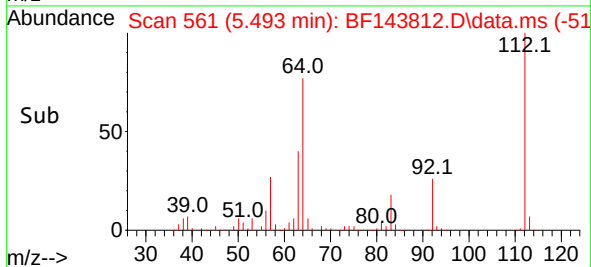
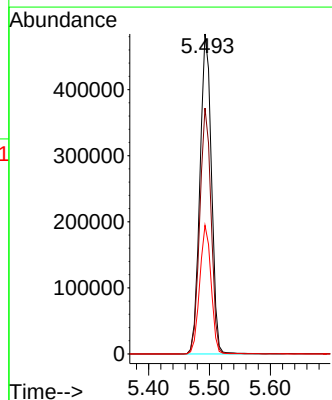
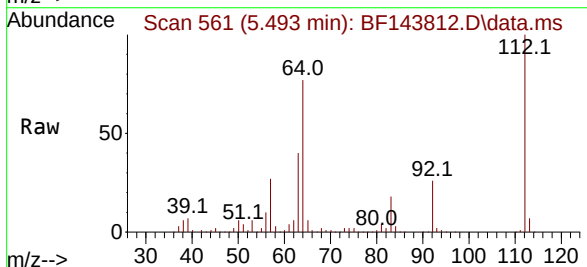
Instrument :
 BNA_F
 ClientSampleId :
 WC-3

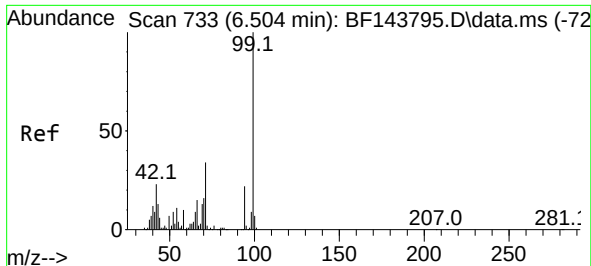
Tgt Ion:152 Resp: 123670
 Ion Ratio Lower Upper
 152 100
 150 158.0 129.6 194.4
 115 60.7 49.0 73.4



#5
 2-Fluorophenol
 Concen: 83.779 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.005 min
 Lab File: BF143812.D
 Acq: 25 Sep 2025 19:21

Tgt Ion:112 Resp: 637711
 Ion Ratio Lower Upper
 112 100
 64 76.9 63.0 94.4
 63 40.2 32.6 49.0





#7
Phenol-d6
Concen: 85.049 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

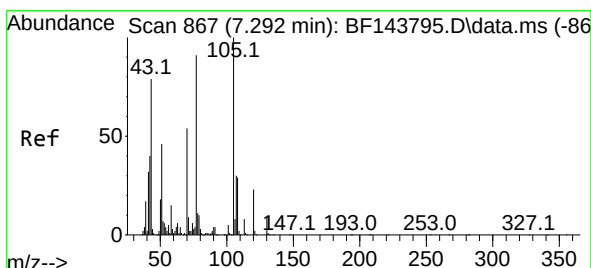
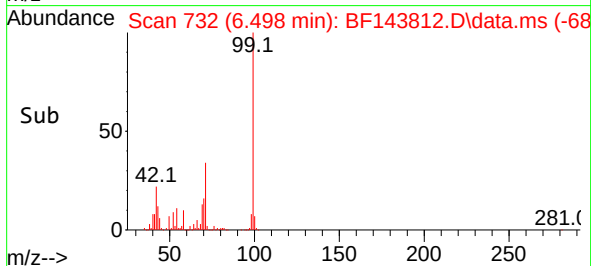
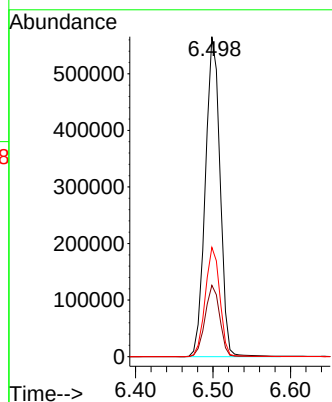
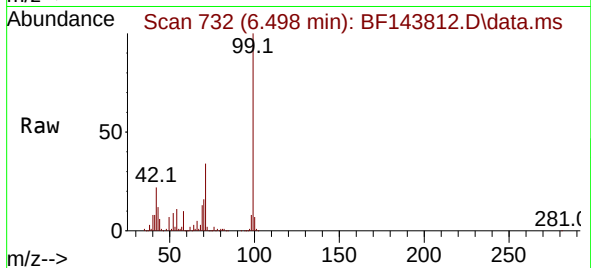
Instrument :

BNA_F

ClientSampleId :

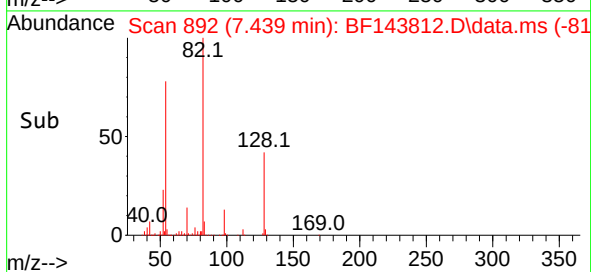
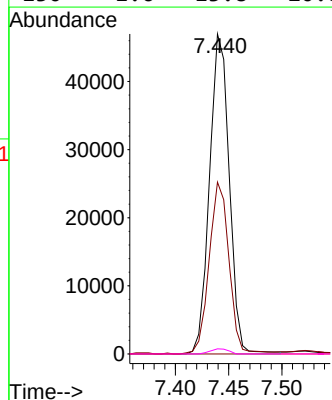
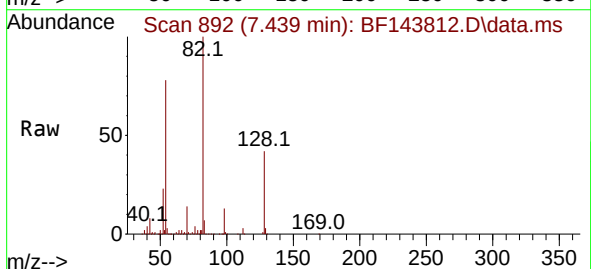
WC-3

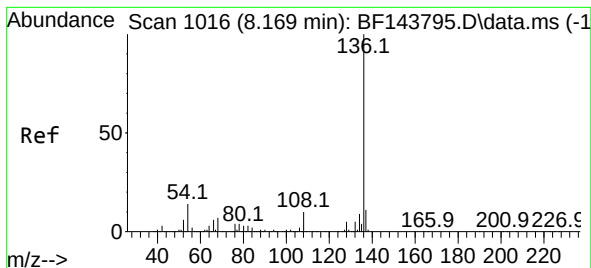
Tgt Ion: 99 Resp: 748010
Ion Ratio Lower Upper
99 100
42 22.3 18.6 28.0
71 34.2 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.686 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

Tgt Ion: 70 Resp: 60437
Ion Ratio Lower Upper
70 100
42 53.7 59.4 89.0#
101 0.0 7.1 10.7#
130 1.6 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:136 Resp: 420962

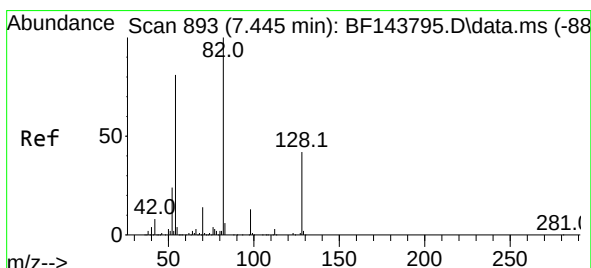
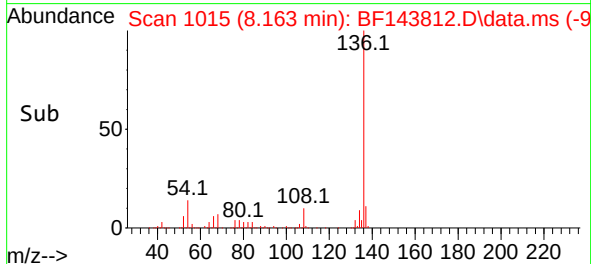
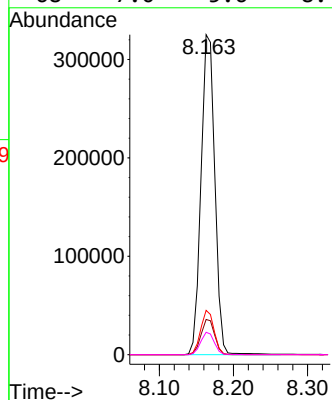
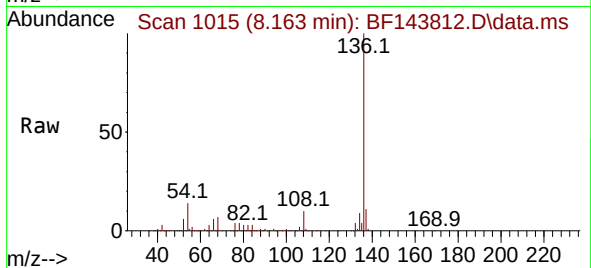
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 13.8 11.2 16.8

68 7.0 5.6 8.4



#23

Nitrobenzene-d5

Concen: 61.785 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.011 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

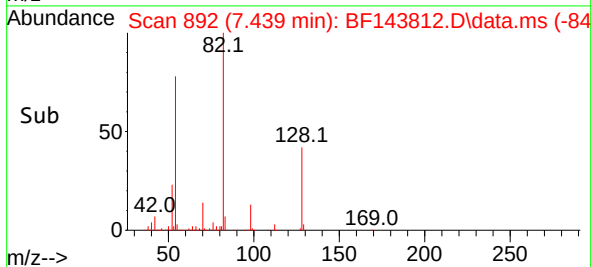
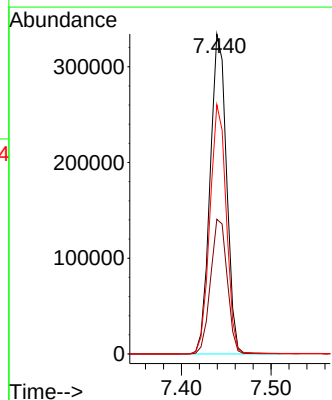
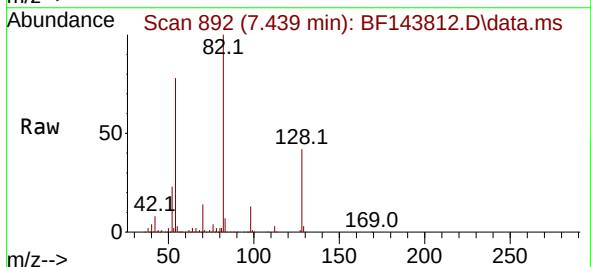
Tgt Ion: 82 Resp: 424906

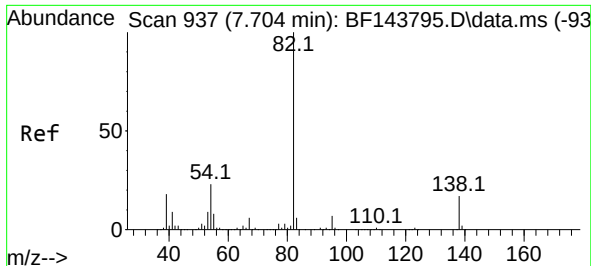
Ion Ratio Lower Upper

82 100

128 42.1 33.3 49.9

54 77.9 64.2 96.4

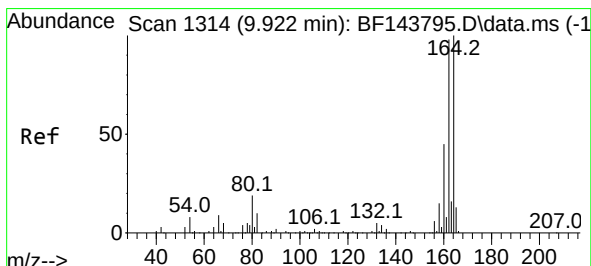
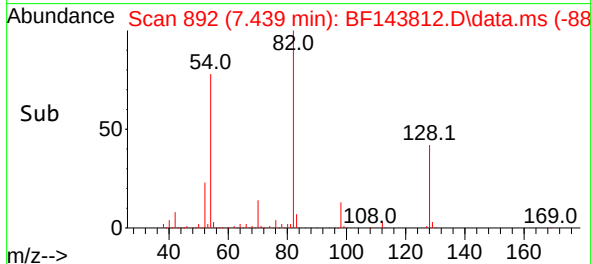
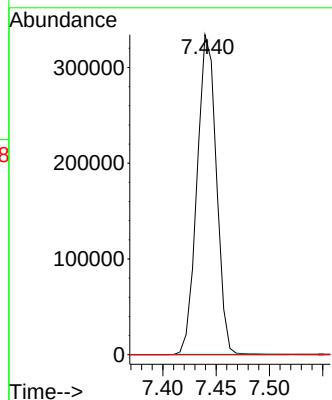
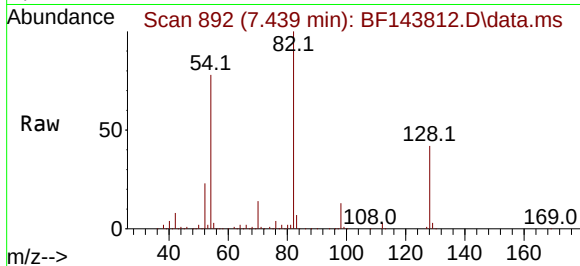




#25
Isophorone
Concen: 31.440 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.271 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

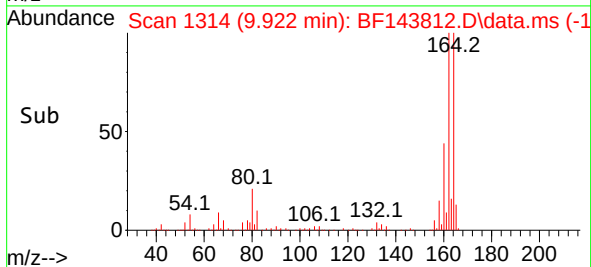
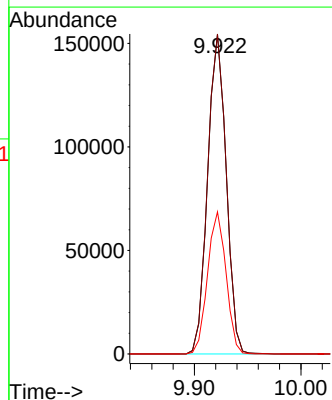
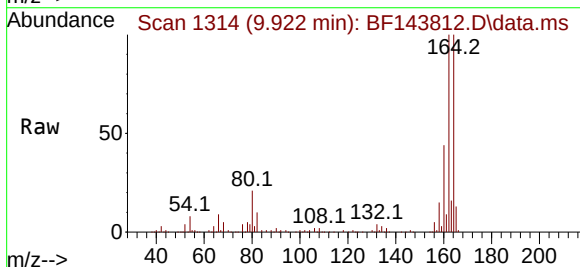
Instrument :
BNA_F
ClientSampleId :
WC-3

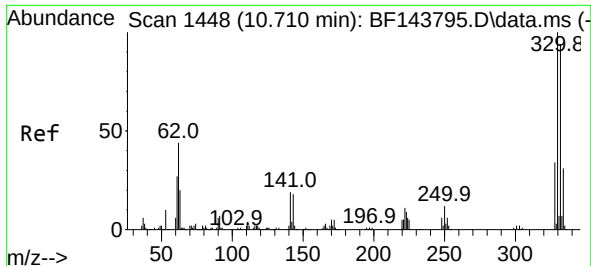
Tgt Ion: 82 Resp: 421339
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

Tgt Ion:164 Resp: 186913
Ion Ratio Lower Upper
164 100
162 100.1 78.8 118.2
160 44.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 92.533 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

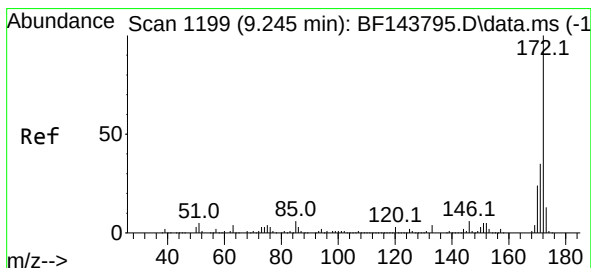
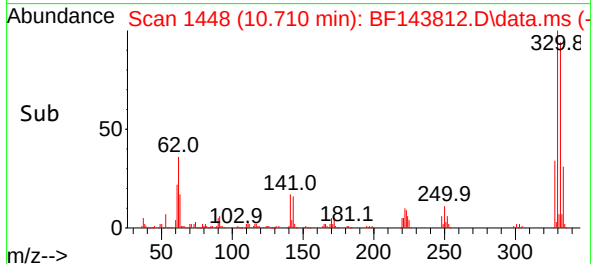
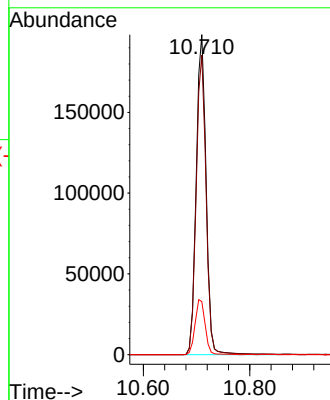
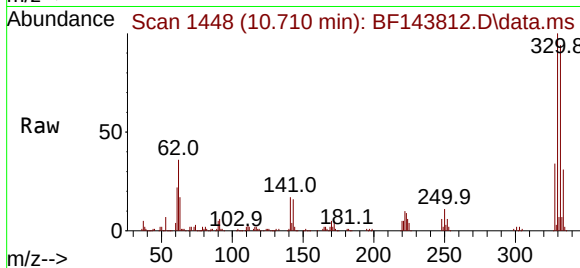
Tgt Ion:330 Resp: 256090

Ion Ratio Lower Upper

330 100

332 93.5 74.7 112.1

141 17.6 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 61.854 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

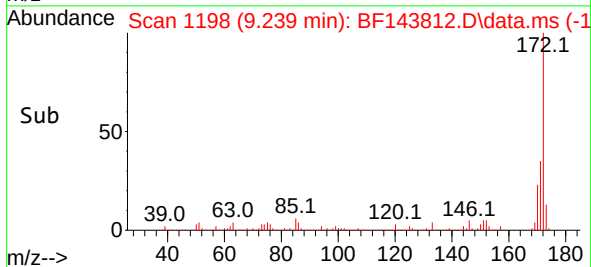
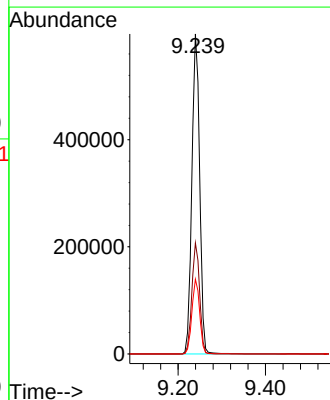
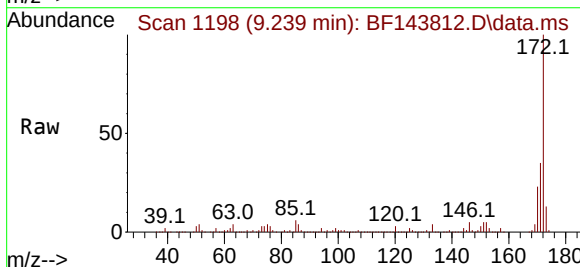
Tgt Ion:172 Resp: 740872

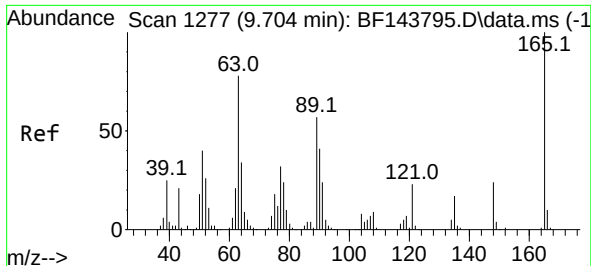
Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.4 19.1 28.7

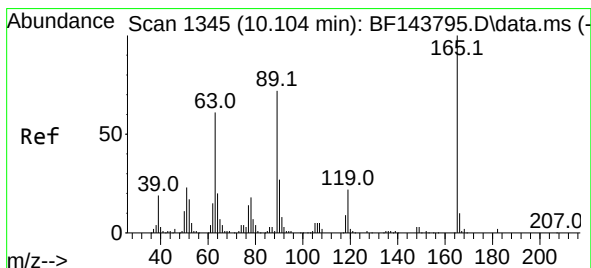
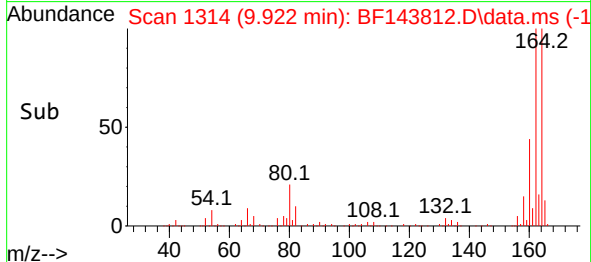
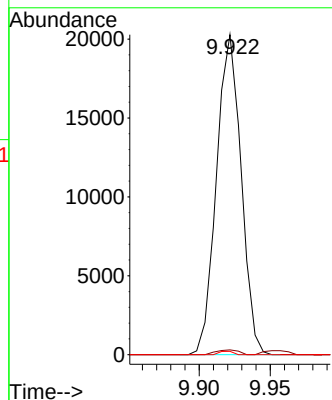
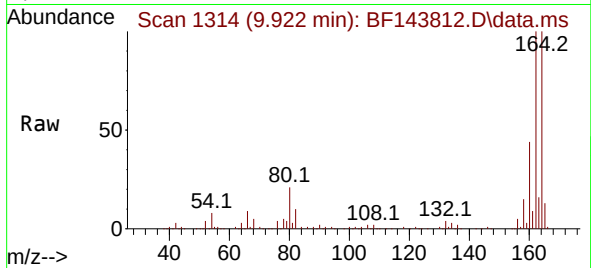




#51
2,6-Dinitrotoluene
Concen: 13.079 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

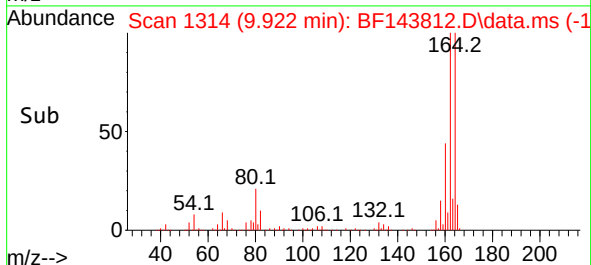
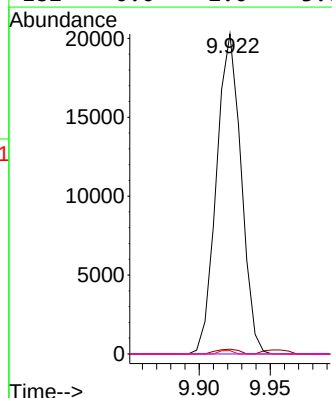
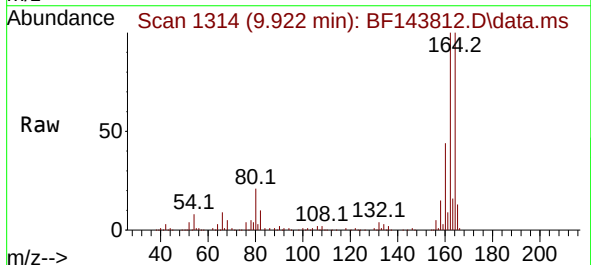
Instrument :
BNA_F
ClientSampleId :
WC-3

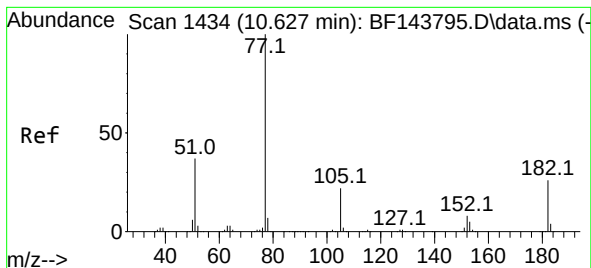
Tgt Ion:165 Resp: 24480
Ion Ratio Lower Upper
165 100
63 1.5 62.6 94.0#
89 1.1 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 11.195 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

Tgt Ion:165 Resp: 24480
Ion Ratio Lower Upper
165 100
63 1.5 48.9 73.3#
89 1.1 57.5 86.3#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.402 ng

RT: 10.633 min Scan# 1435

Delta R.T. 0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion: 77 Resp: 38231

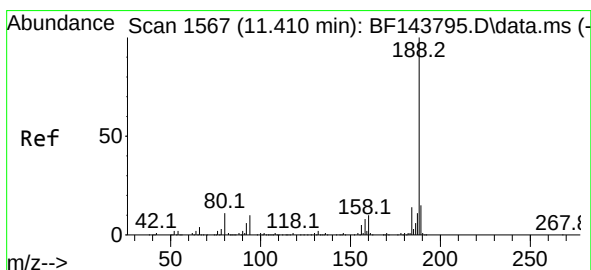
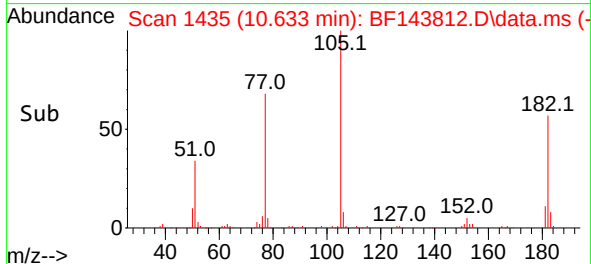
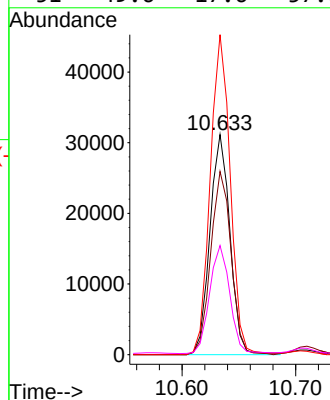
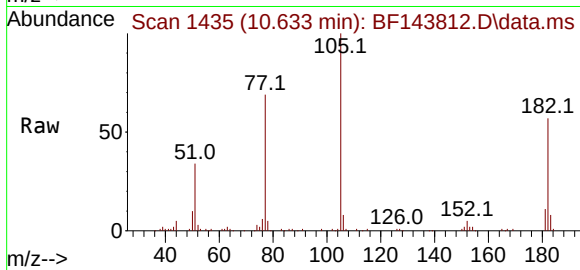
Ion Ratio Lower Upper

77 100

182 83.2 5.9 45.9#

105 145.4 2.3 42.3#

51 49.6 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: BF143812.D

Acq: 25 Sep 2025 19:21

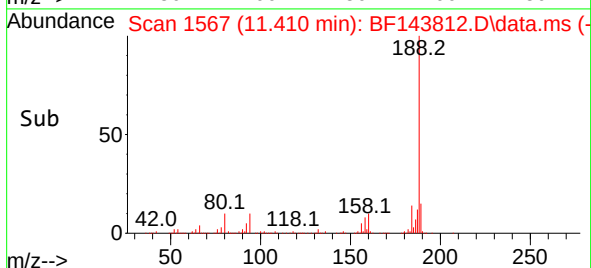
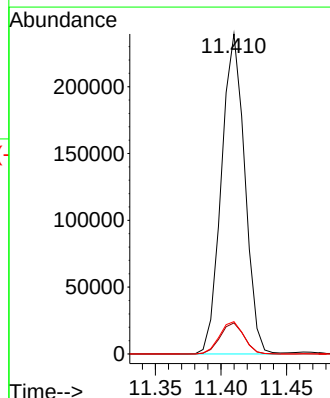
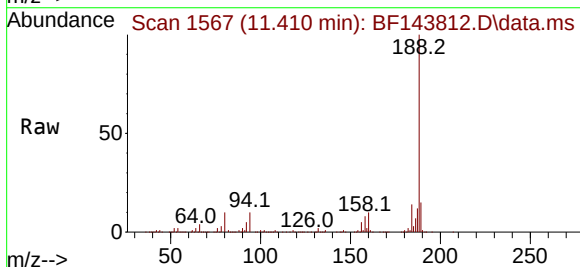
Tgt Ion: 188 Resp: 296568

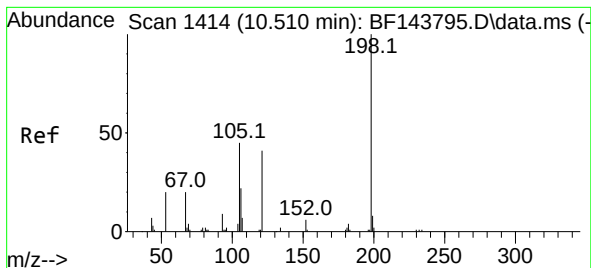
Ion Ratio Lower Upper

188 100

94 9.7 8.2 12.2

80 10.1 8.6 12.8

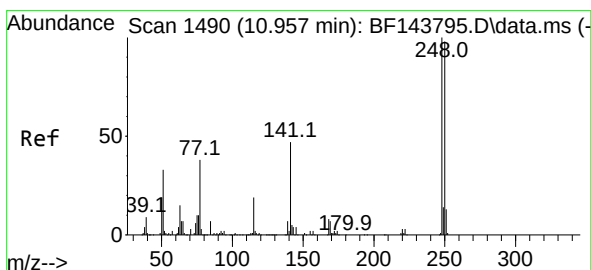
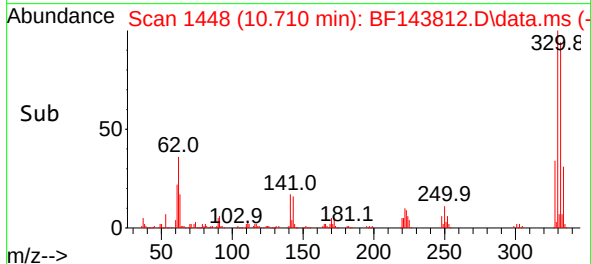
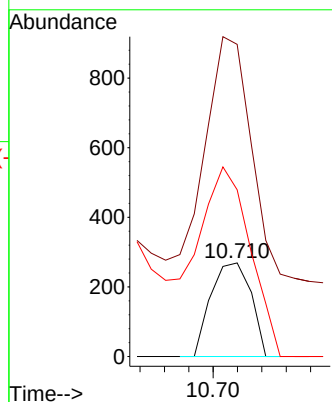
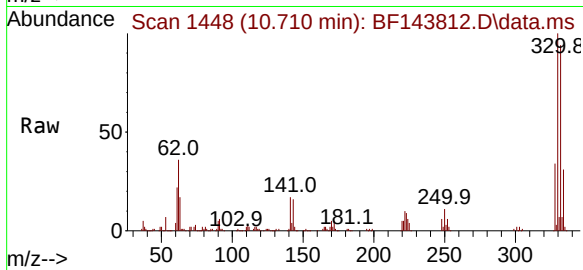




#65
4,6-Dinitro-2-methylphenol
Concen: 4.484 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

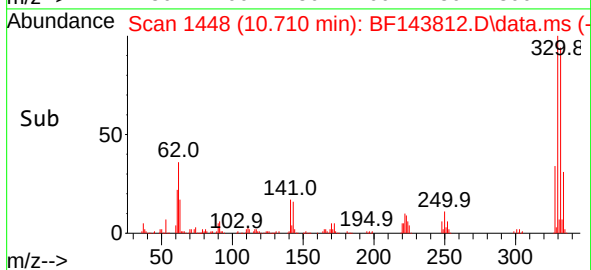
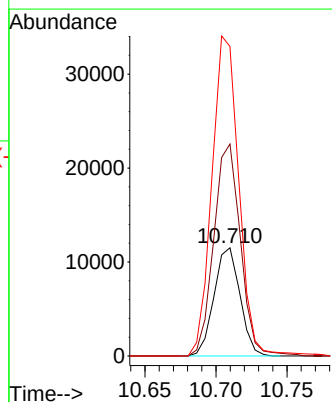
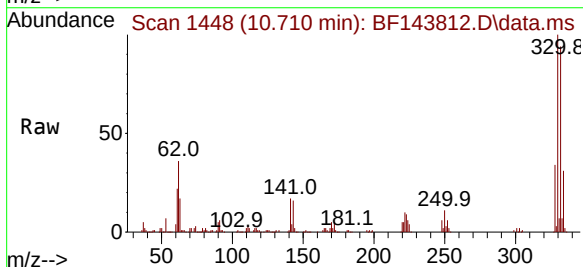
Instrument :
BNA_F
ClientSampleId :
WC-3

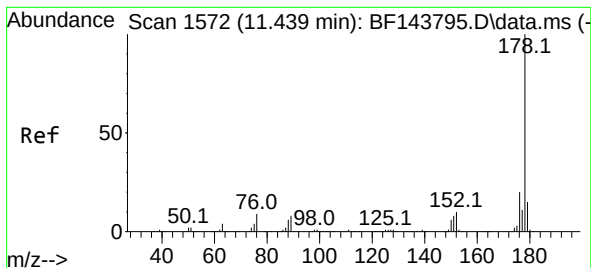
Tgt Ion:198 Resp: 308
Ion Ratio Lower Upper
198 100
51 333.5 52.0 92.0#
105 178.1 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 2.891 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

Tgt Ion:248 Resp: 14613
Ion Ratio Lower Upper
248 100
250 195.8 78.7 118.1#
141 285.9 37.9 56.9#





#71

Phenanthrene

Concen: 5.221 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

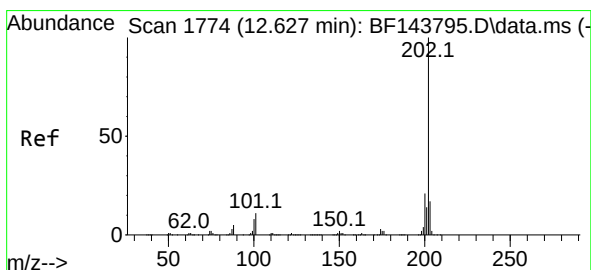
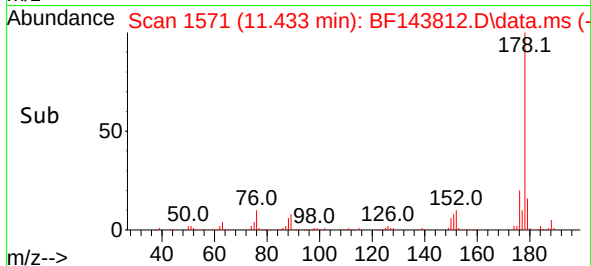
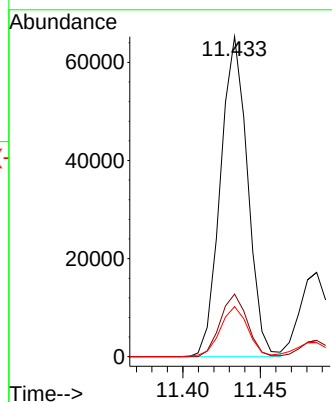
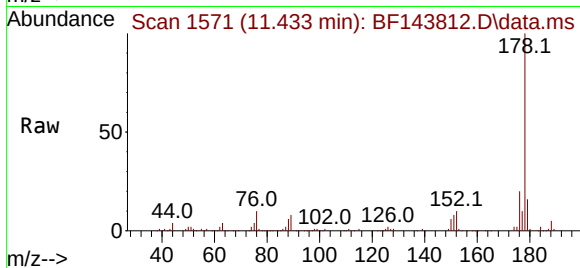
Tgt Ion:178 Resp: 79499

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.7 12.2 18.4



#75

Fluoranthene

Concen: 18.400 ng

RT: 12.627 min Scan# 1774

Delta R.T. 0.000 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

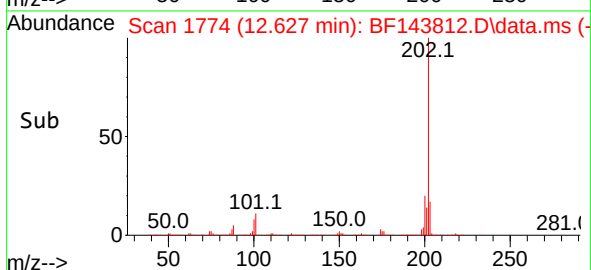
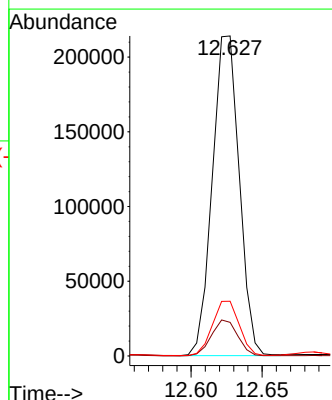
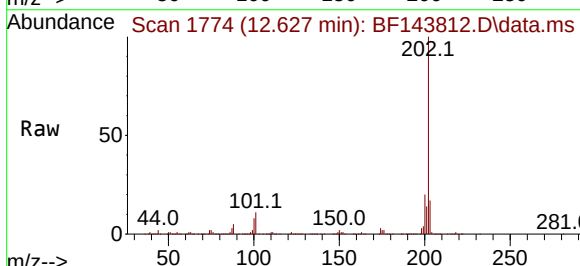
Tgt Ion:202 Resp: 281769

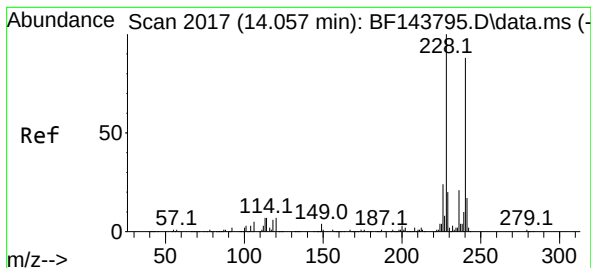
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.1

203 17.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

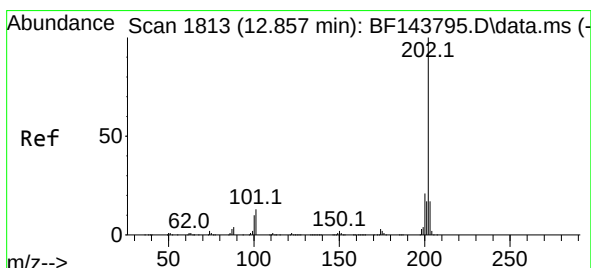
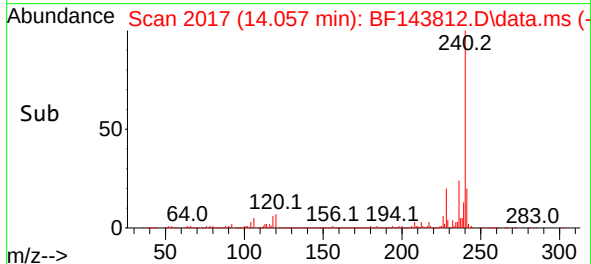
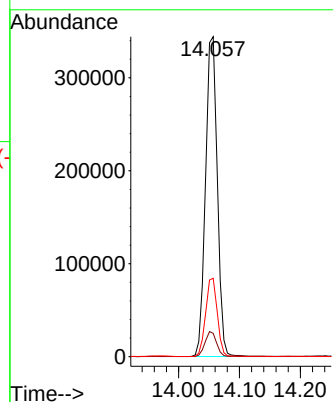
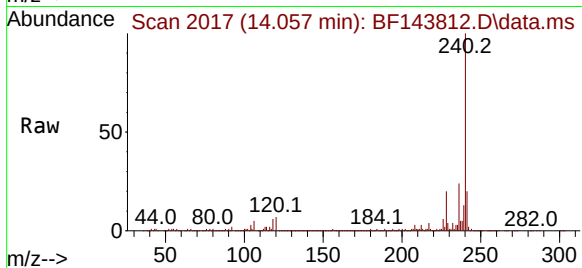
Tgt Ion:240 Resp: 462477

Ion Ratio Lower Upper

240 100

120 7.3 6.2 9.4

236 24.5 19.4 29.2



#78

Pyrene

Concen: 11.760 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

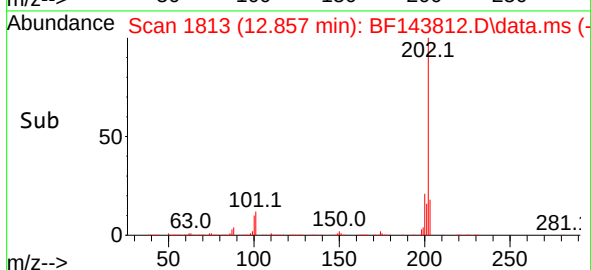
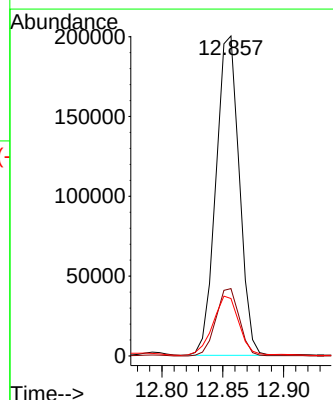
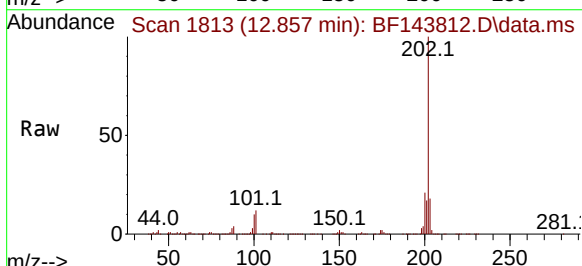
Tgt Ion:202 Resp: 267391

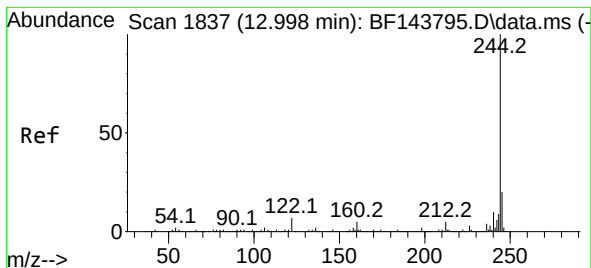
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.9 13.9 20.9





#79

Terphenyl-d14

Concen: 48.445 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

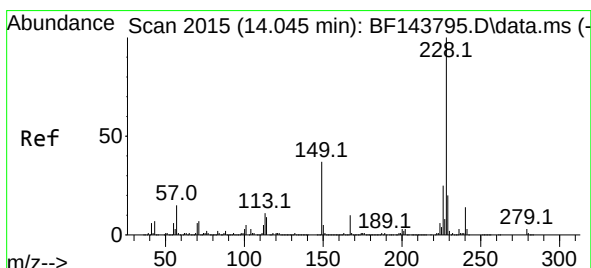
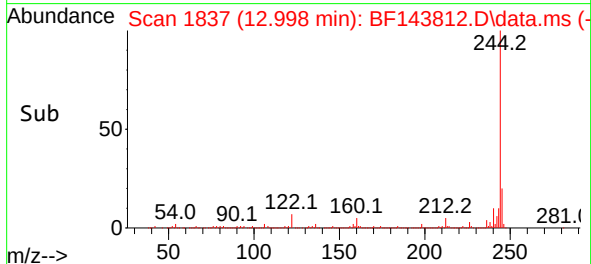
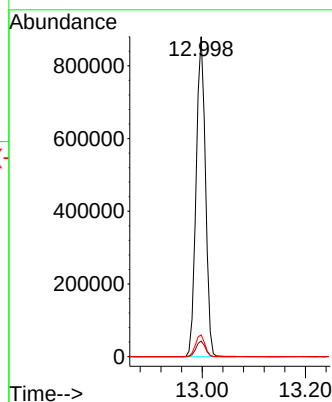
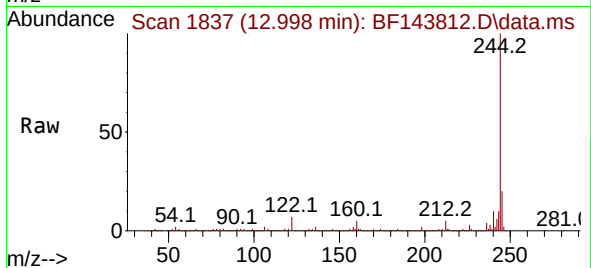
Tgt Ion:244 Resp: 1101657

Ion Ratio Lower Upper

244 100

212 4.9 3.9 5.9

122 6.8 5.6 8.4



#81

Benzo(a)anthracene

Concen: 9.540 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

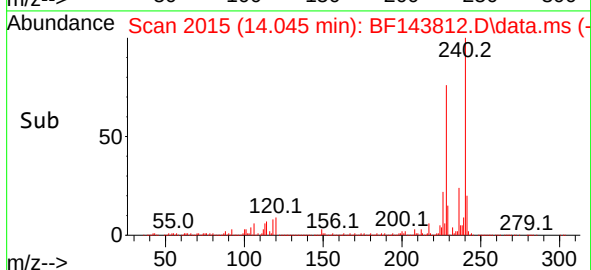
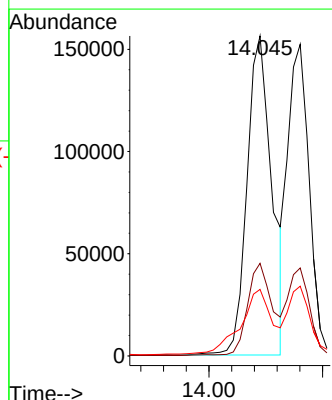
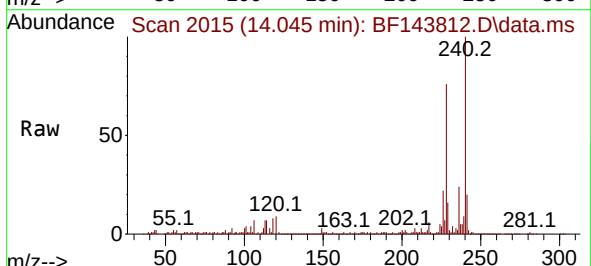
Tgt Ion:228 Resp: 237023

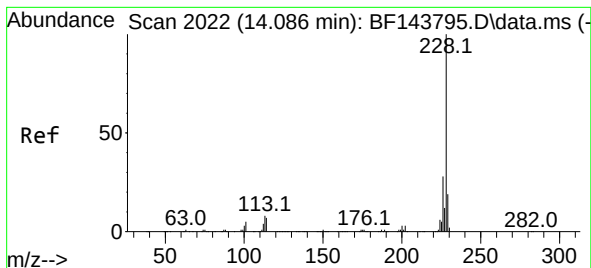
Ion Ratio Lower Upper

228 100

226 29.0 20.2 30.2

229 20.8 16.1 24.1





#83

Chrysene

Concen: 8.796 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

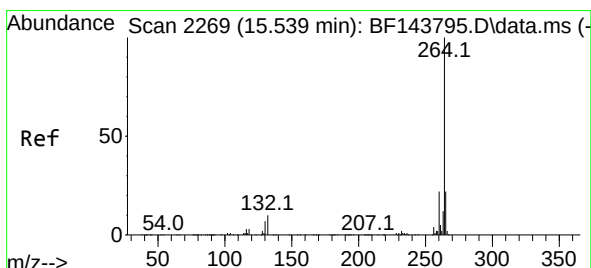
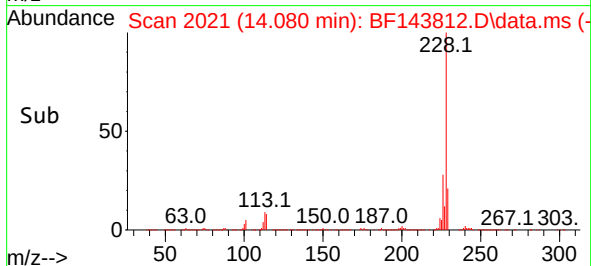
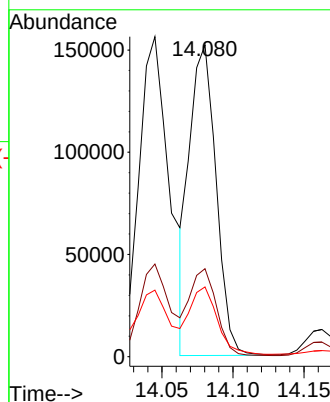
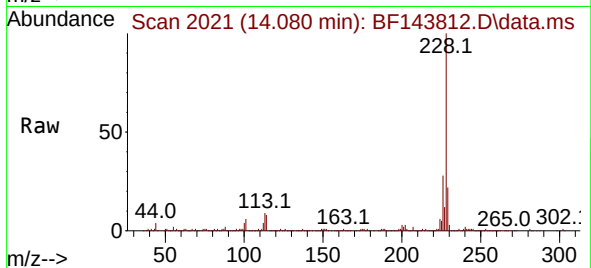
Tgt Ion:228 Resp: 197754

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

229 22.4 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: BF143812.D

Acq: 25 Sep 2025 19:21

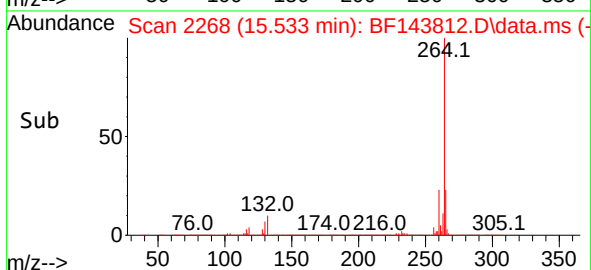
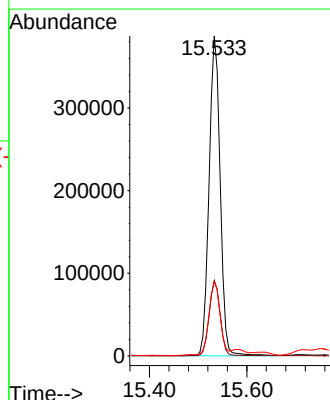
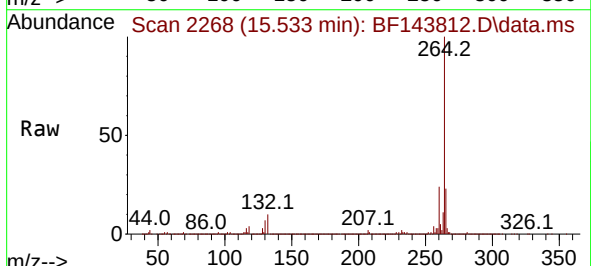
Tgt Ion:264 Resp: 609932

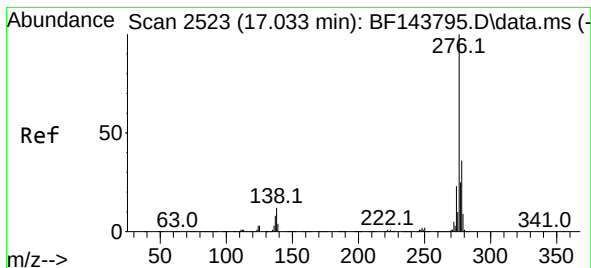
Ion Ratio Lower Upper

264 100

260 23.6 17.9 26.9

265 23.4 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.363 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

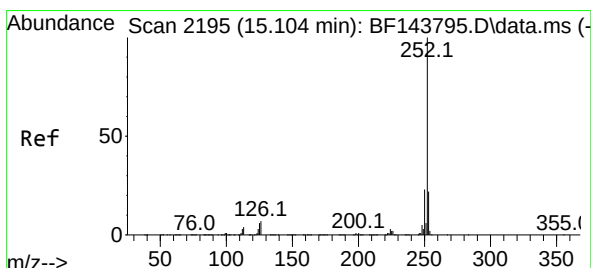
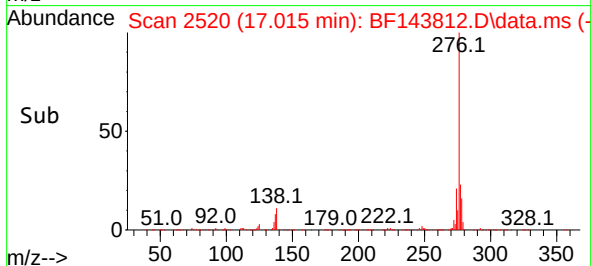
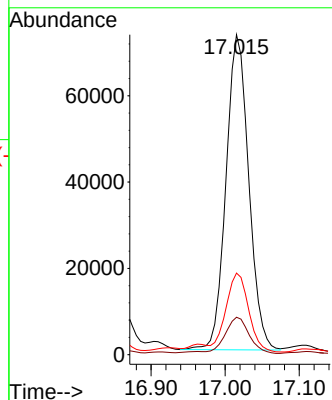
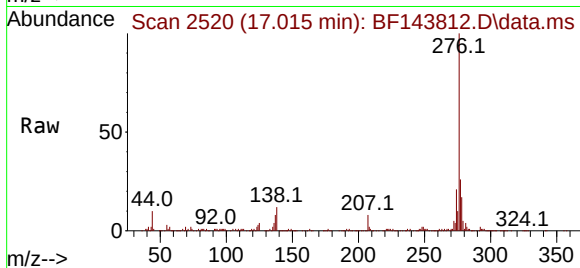
Tgt Ion:276 Resp: 155645

Ion Ratio Lower Upper

276 100

138 12.6 10.6 15.8

277 24.9 20.7 31.1



#88

Benzo(b)fluoranthene

Concen: 19.487 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

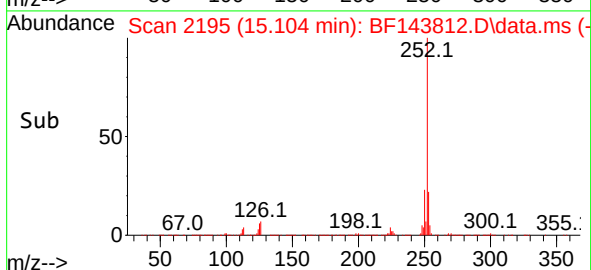
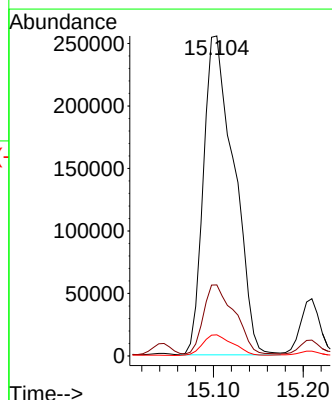
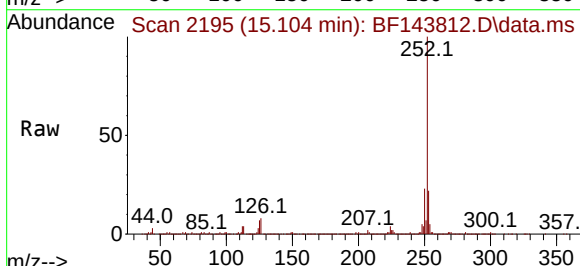
Tgt Ion:252 Resp: 605267

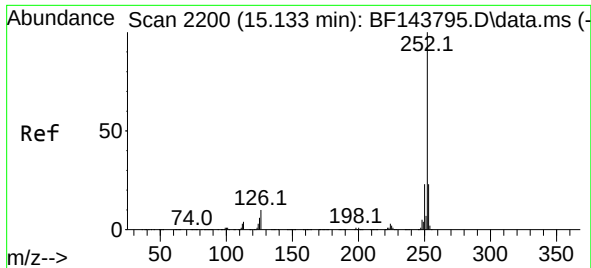
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 6.6 4.4 6.6#





#89

Benzo(k)fluoranthene

Concen: 19.396 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

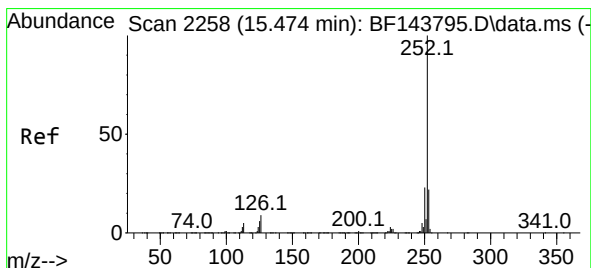
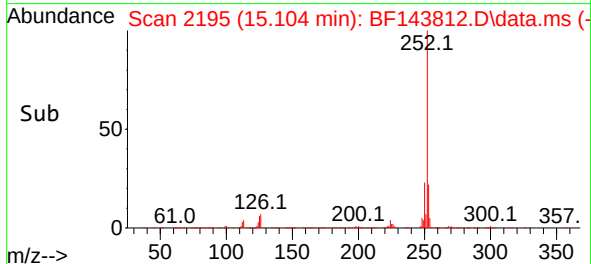
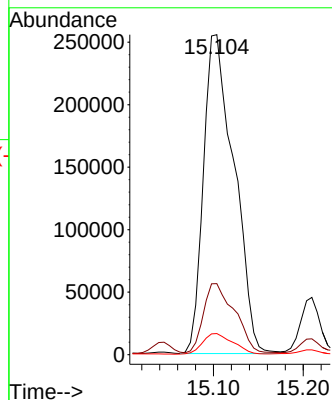
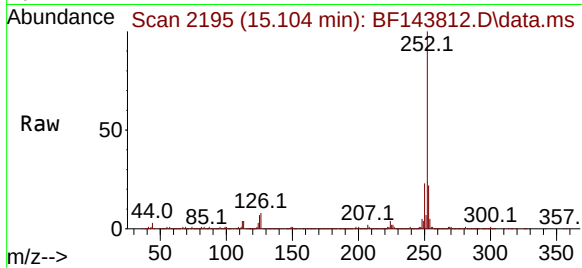
Tgt Ion:252 Resp: 605267

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 6.6 4.6 6.8



#90

Benzo(a)pyrene

Concen: 9.421 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

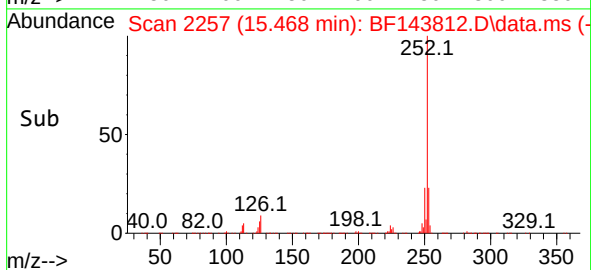
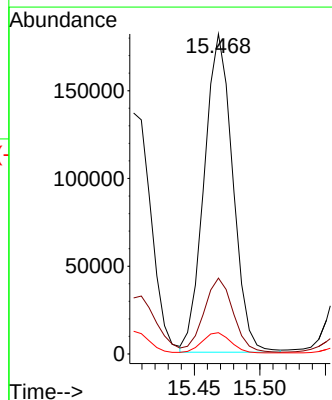
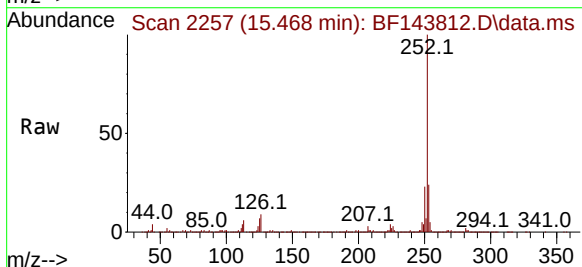
Tgt Ion:252 Resp: 275059

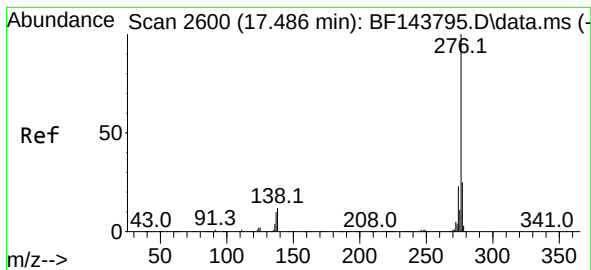
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 6.7 5.0 7.4





#92

Benzo(g,h,i)perylene

Concen: 3.733 ng

RT: 17.468 min Scan# 2

Delta R.T. -0.035 min

Lab File: BF143812.D

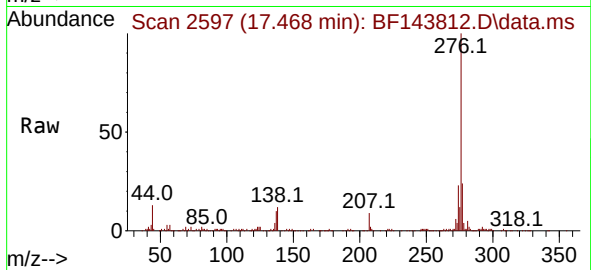
Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3



Tgt Ion:276 Resp: 136209

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 12.0 9.2 13.8

