

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144395.D
 Acq On : 01 Dec 2025 19:11
 Operator : RC/JU
 Sample : Q3719-14 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17B

Quant Time: Dec 02 00:10:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

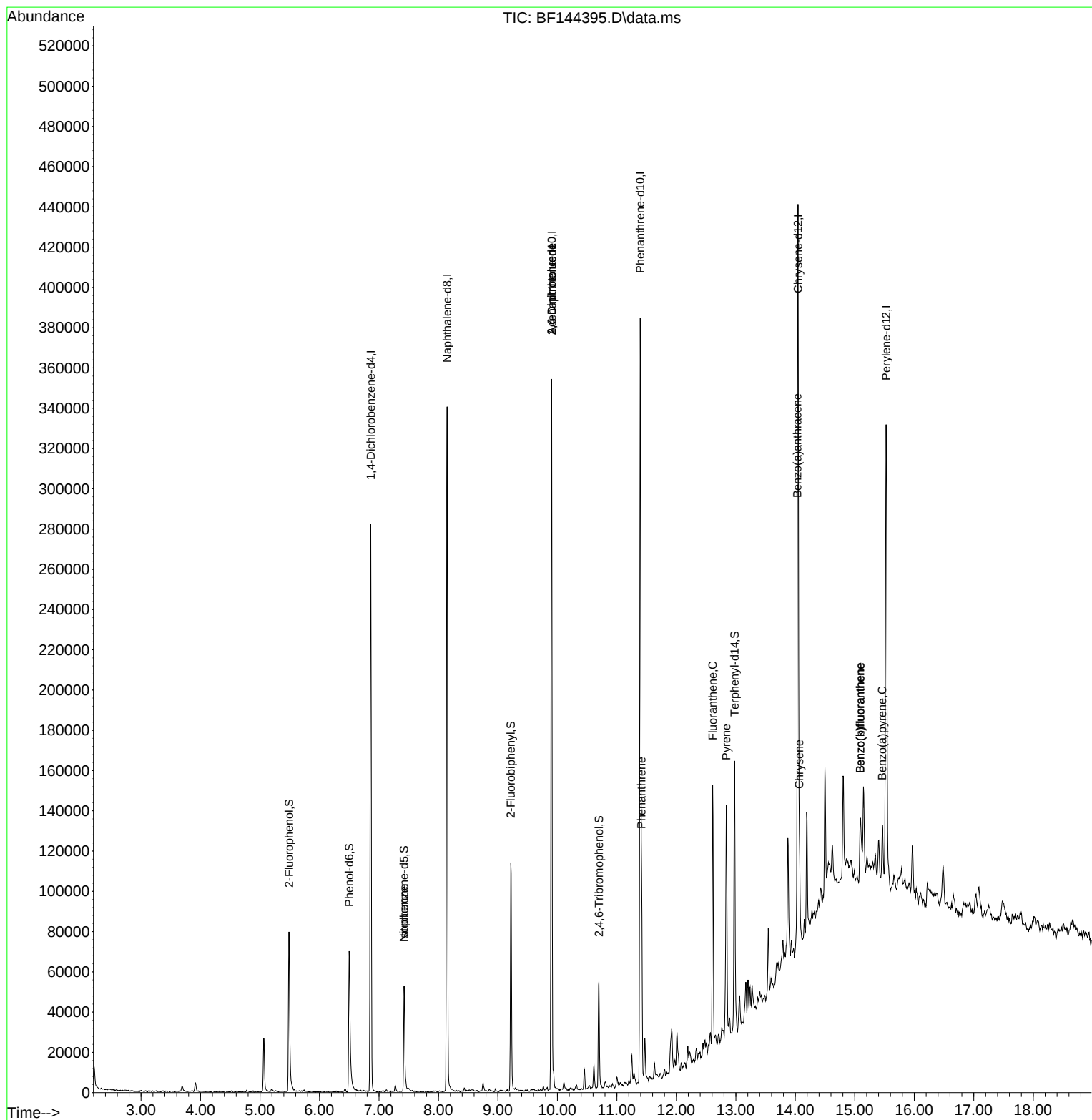
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	64196	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	226428	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	117202	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	208690	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	174001	20.000	ng	0.00
86) Perylene-d12	15.527	264	135181	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	40726	9.928	ng	0.00
7) Phenol-d6	6.498	99	47122	10.138	ng	0.00
23) Nitrobenzene-d5	7.422	82	26087	6.654	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	11993	8.154	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	59668	7.519	ng	-0.01
79) Terphenyl-d14	12.980	244	70148	6.404	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.422	82	26087	3.518	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	15270	9.715	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	15270	7.257	ng	# 27
71) Phenanthrene	11.416	178	51024	4.911	ng	98
75) Fluoranthene	12.610	202	77212	7.194	ng	98
78) Pyrene	12.839	202	65445	4.665	ng	96
81) Benzo(a)anthracene	14.033	228	30555	2.534	ng	95
83) Chrysene	14.068	228	26835	2.410	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	29378	3.823	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	29378	4.084	ng	# 92
90) Benzo(a)pyrene	15.462	252	15858	2.237	ng	# 88

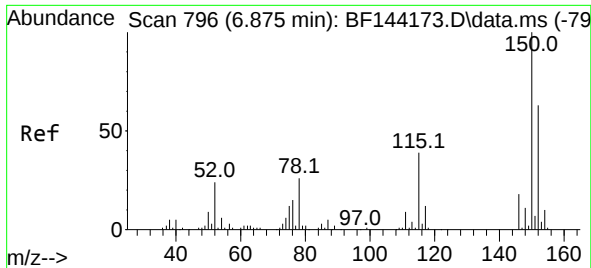
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

Quant Time: Dec 02 00:10:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

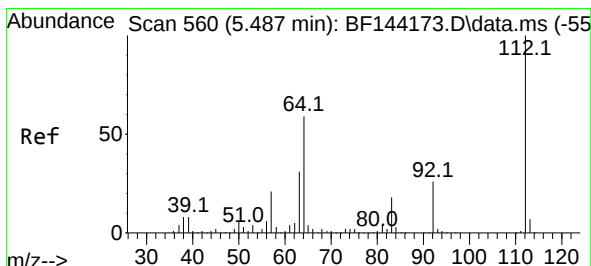
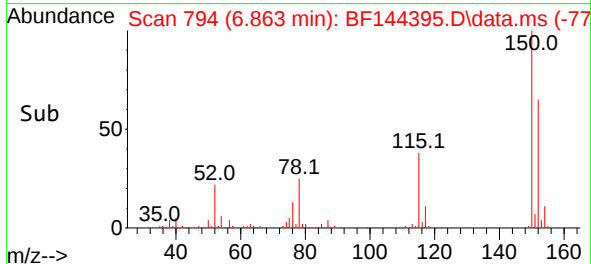
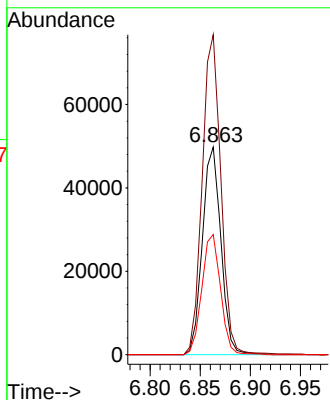
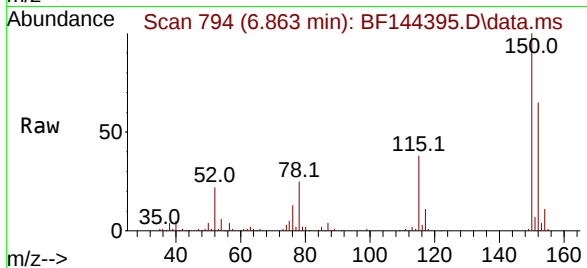




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 796
 Delta R.T. -0.012 min
 Lab File: BF144395.D
 Acq: 01 Dec 2025 19:11

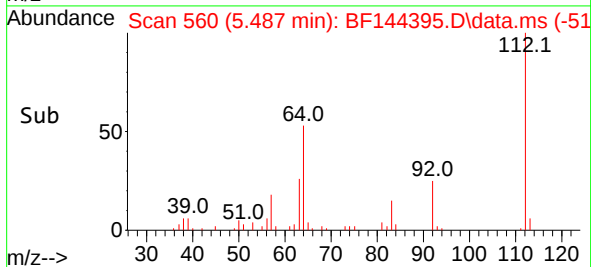
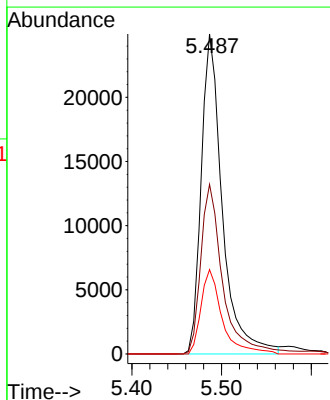
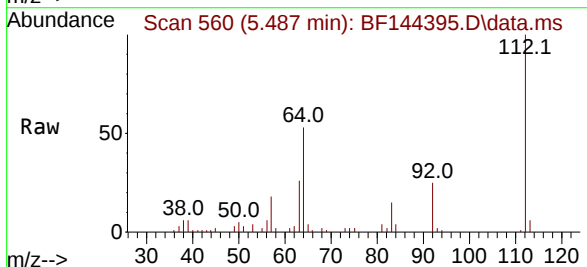
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17B

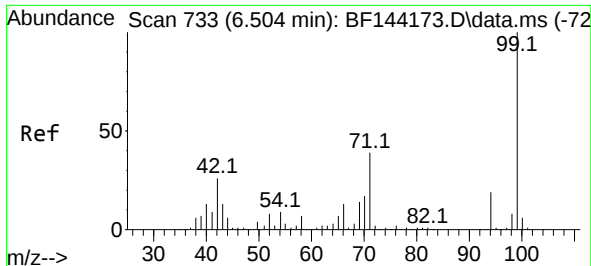
Tgt Ion:152 Resp: 64196
 Ion Ratio Lower Upper
 152 100
 150 154.1 127.4 191.0
 115 57.8 49.5 74.3



#5
 2-Fluorophenol
 Concen: 9.928 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.006 min
 Lab File: BF144395.D
 Acq: 01 Dec 2025 19:11

Tgt Ion:112 Resp: 40726
 Ion Ratio Lower Upper
 112 100
 64 53.0 47.2 70.8
 63 26.4 24.4 36.6

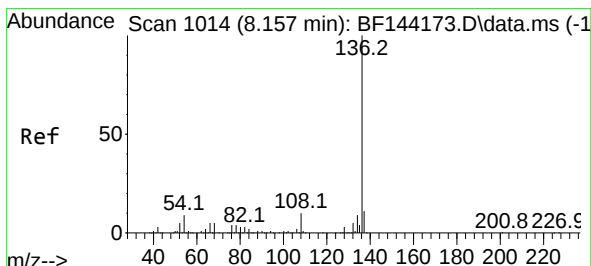
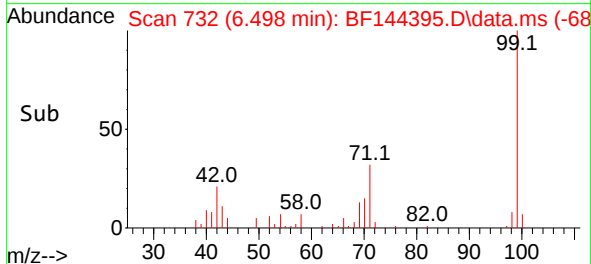
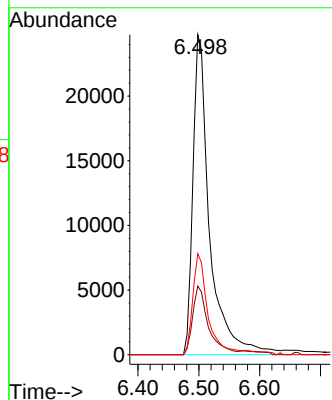
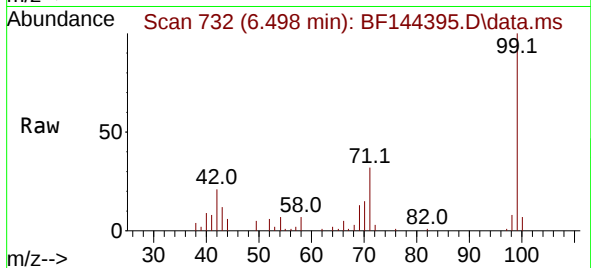




#7
Phenol-d6
Concen: 10.138 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

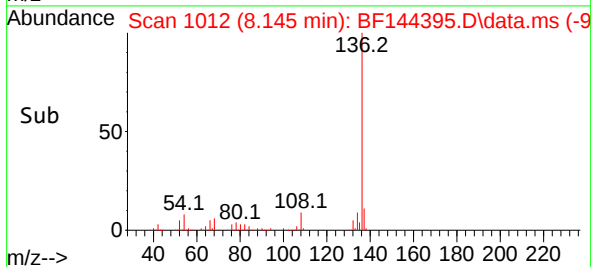
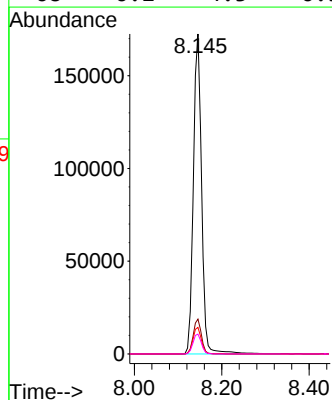
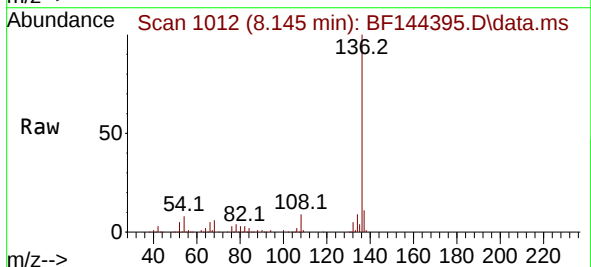
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

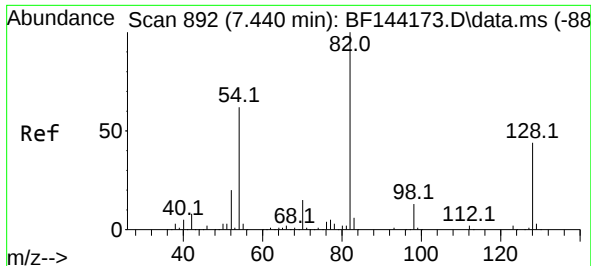
Tgt Ion: 99 Resp: 47122
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 31.6 31.4 47.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Tgt Ion: 136 Resp: 226428
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 6.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 6.654 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B

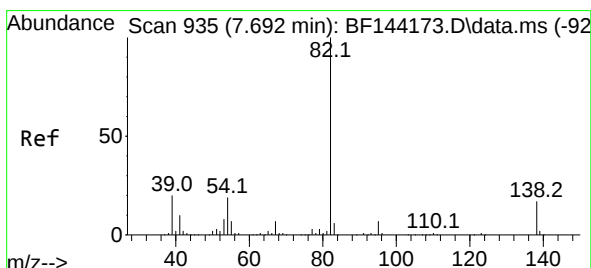
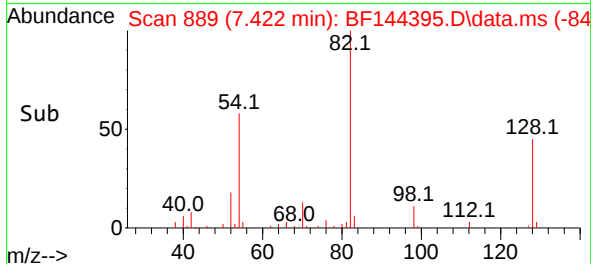
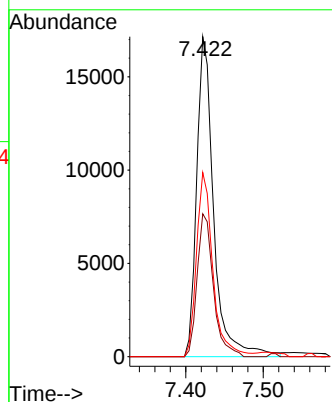
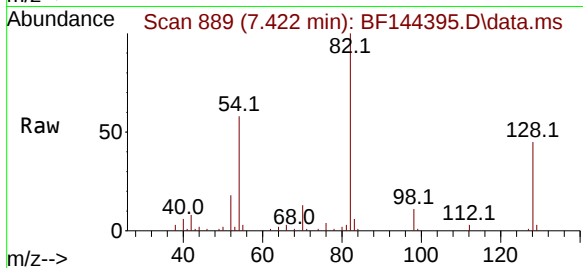
Tgt Ion: 82 Resp: 26087

Ion Ratio Lower Upper

82 100

128 44.7 34.7 52.1

54 57.6 49.5 74.3



#25

Isophorone

Concen: 3.518 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.265 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

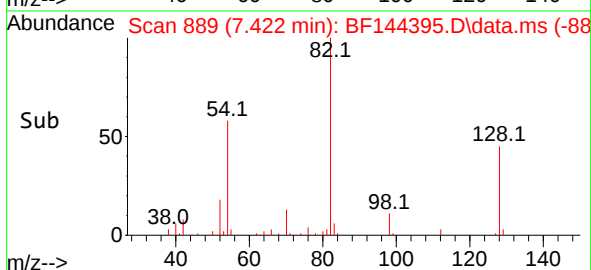
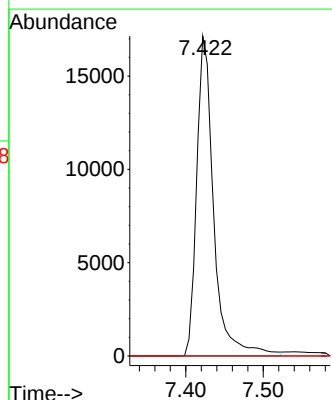
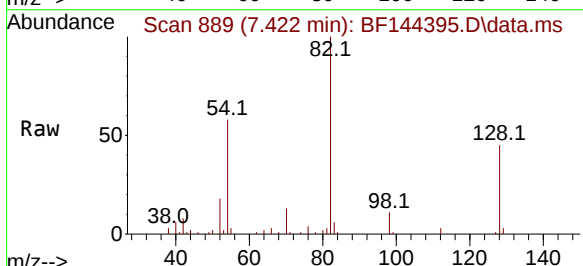
Tgt Ion: 82 Resp: 26087

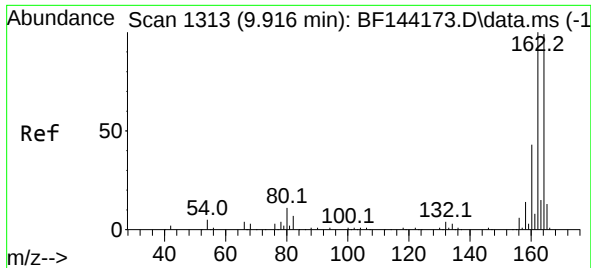
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

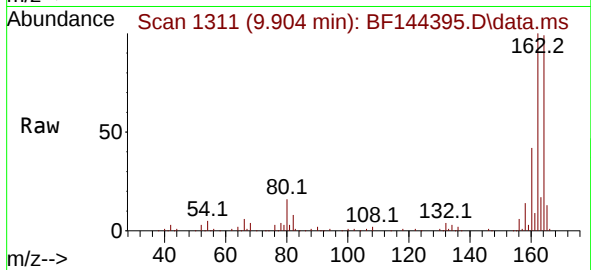
138 0.0 13.7 20.5#



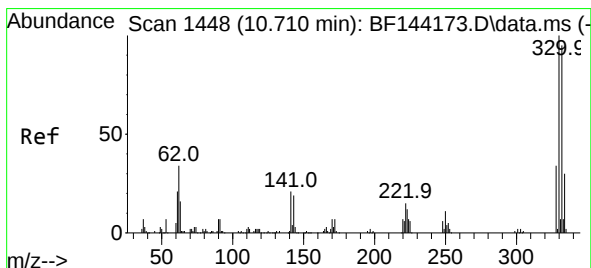
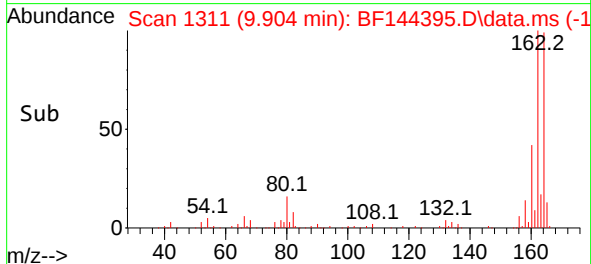
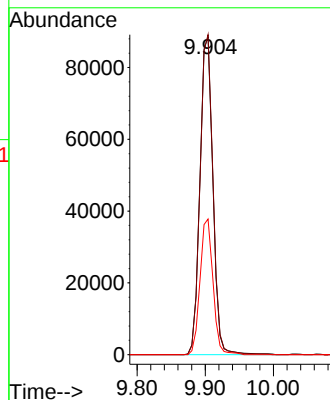


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

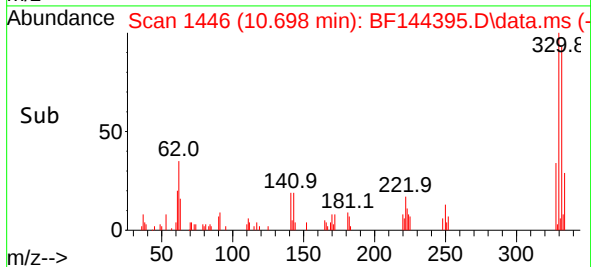
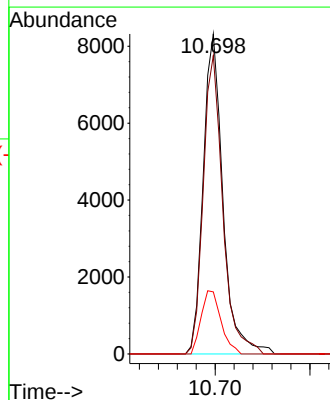
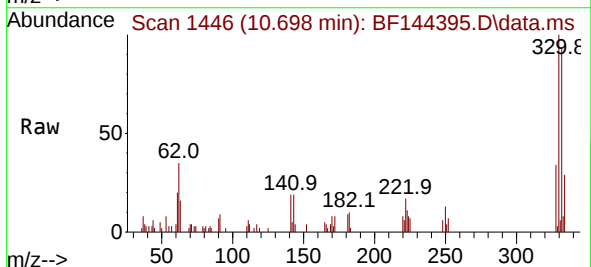


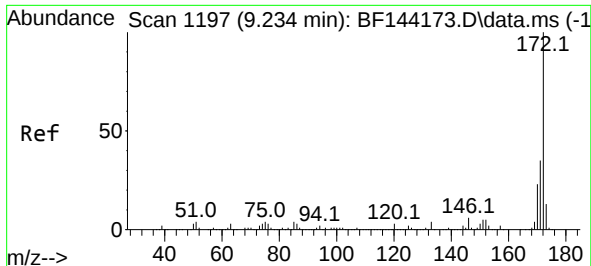
Tgt Ion:164 Resp: 117202
Ion Ratio Lower Upper
164 100
162 100.6 81.1 121.7
160 42.7 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 8.154 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Tgt Ion:330 Resp: 11993
Ion Ratio Lower Upper
330 100
332 92.3 76.7 115.1
141 19.9 17.8 26.8

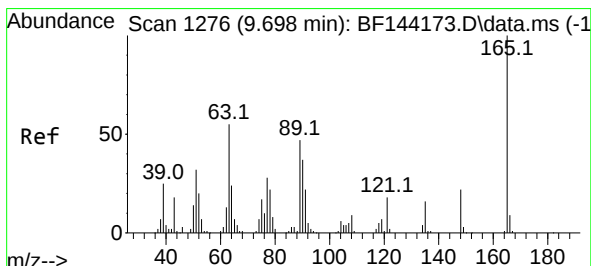
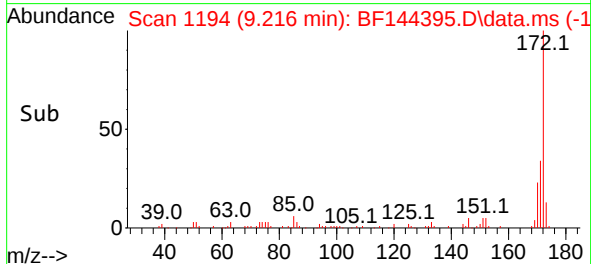
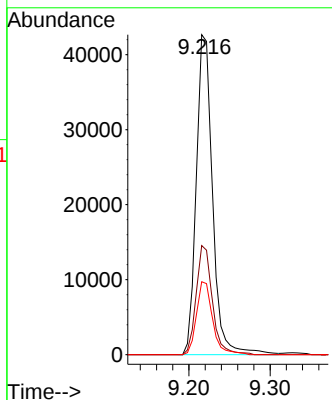
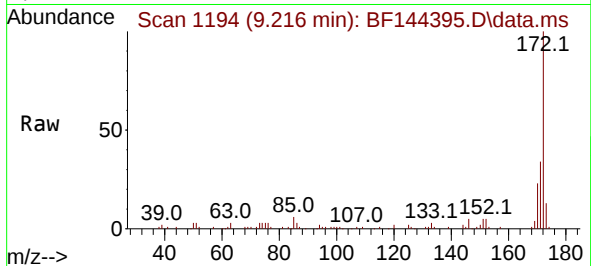




#45
2-Fluorobiphenyl
Concen: 7.519 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

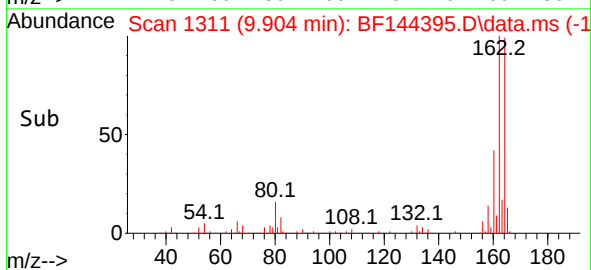
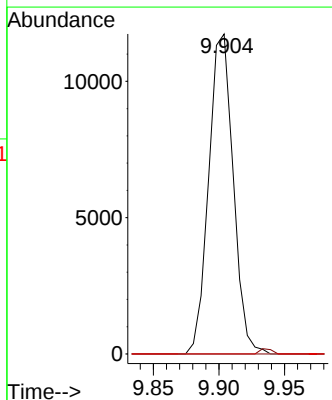
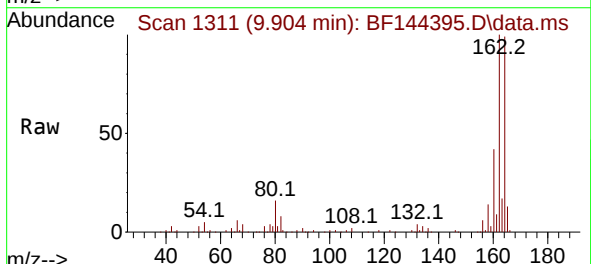
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

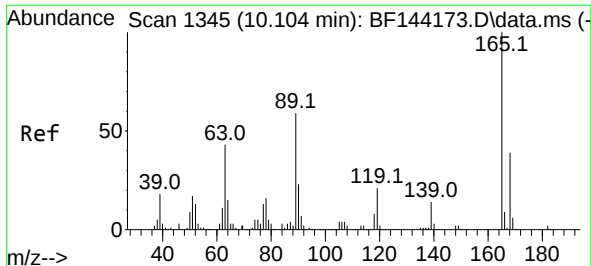
Tgt Ion:172 Resp: 59668
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 22.8 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 9.715 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Tgt Ion:165 Resp: 15270
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#

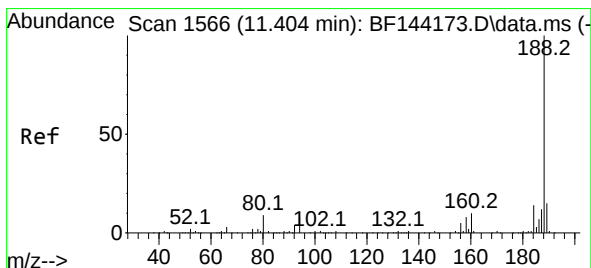
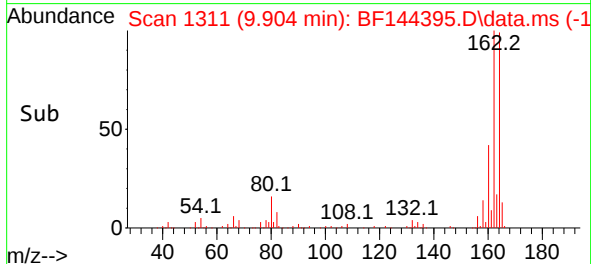
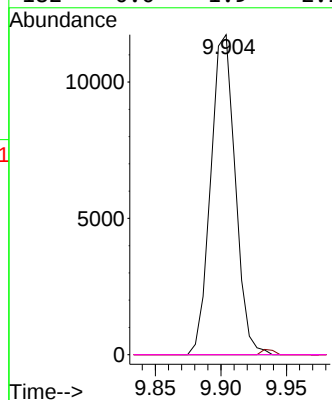
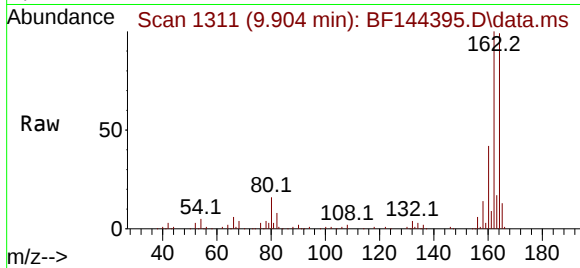




#57
2,4-Dinitrotoluene
Concen: 7.257 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

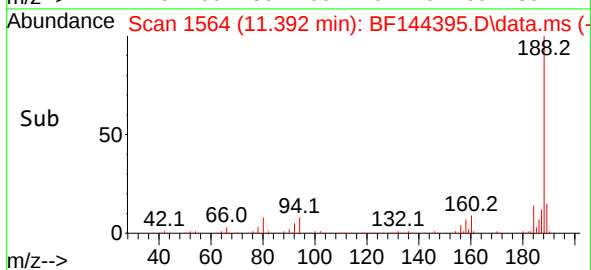
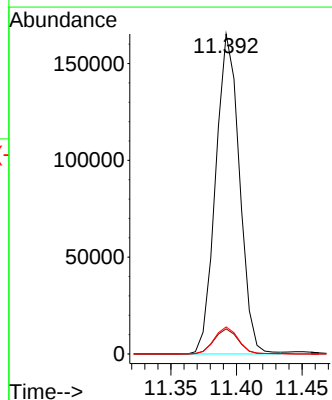
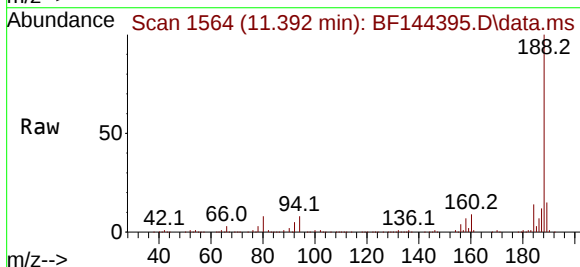
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

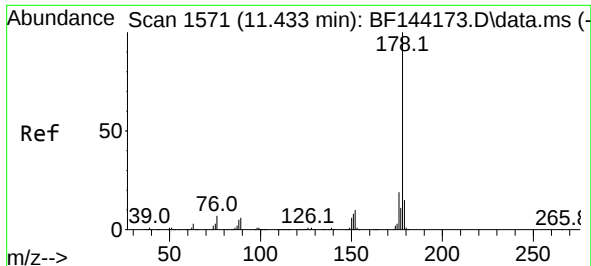
Tgt Ion:165 Resp: 15270
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Tgt Ion:188 Resp: 208690
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.2
80 8.5 6.9 10.3

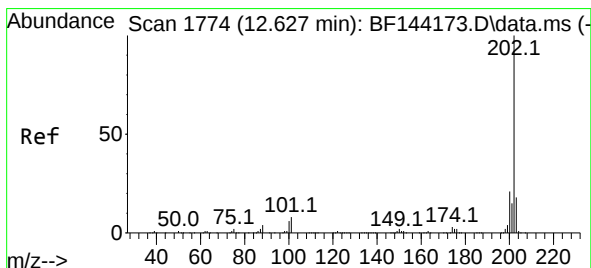
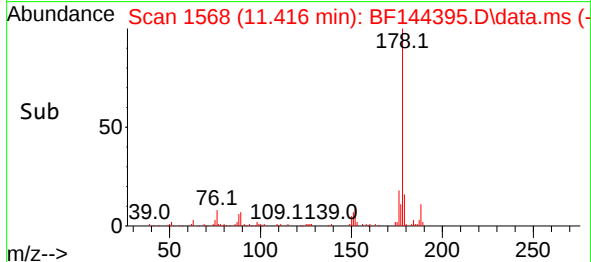
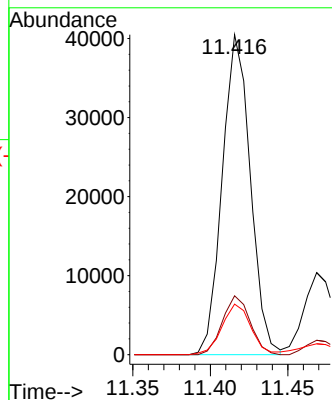
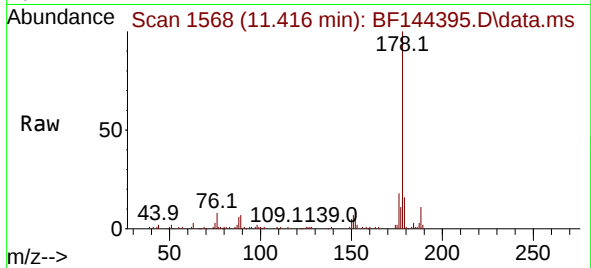




#71
Phenanthrene
Concen: 4.911 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

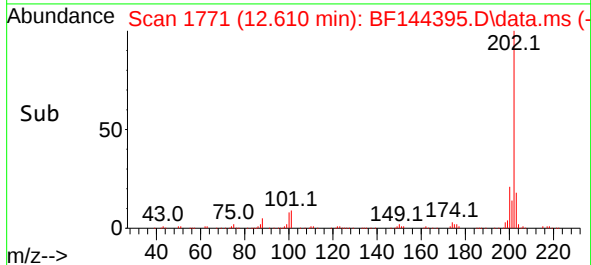
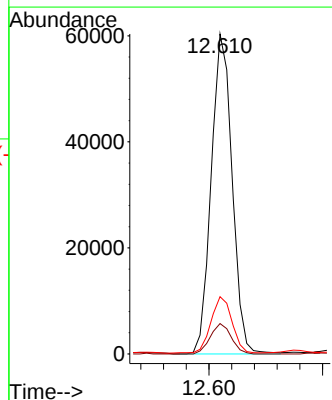
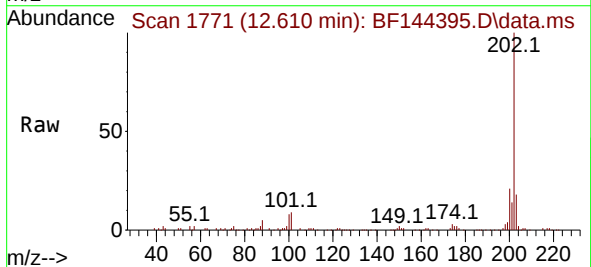
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

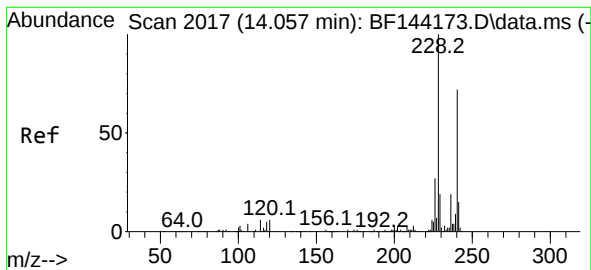
Tgt Ion:178 Resp: 51024
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.8 12.2 18.4



#75
Fluoranthene
Concen: 7.194 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Tgt Ion:202 Resp: 77212
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B

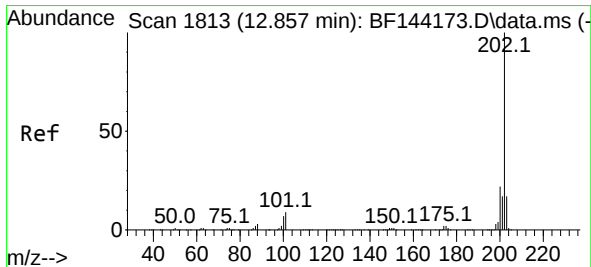
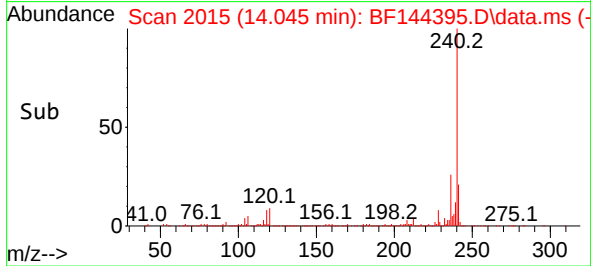
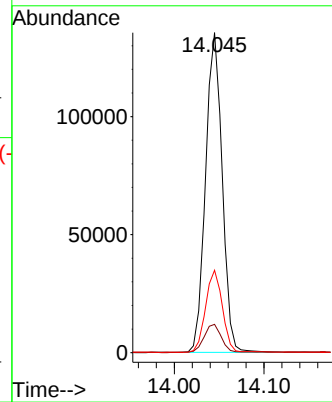
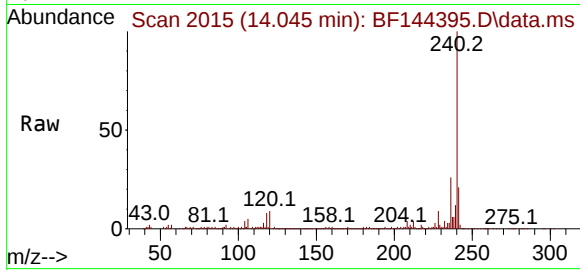
Tgt Ion:240 Resp: 174001

Ion Ratio Lower Upper

240 100

120 8.9 6.6 10.0

236 25.7 21.4 32.2



#78

Pyrene

Concen: 4.665 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

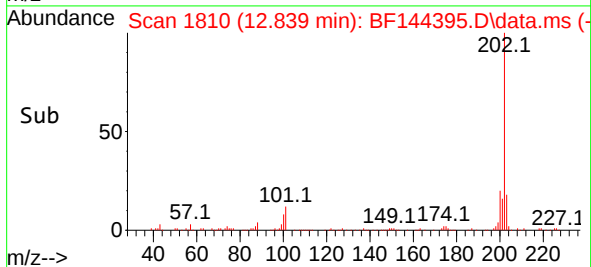
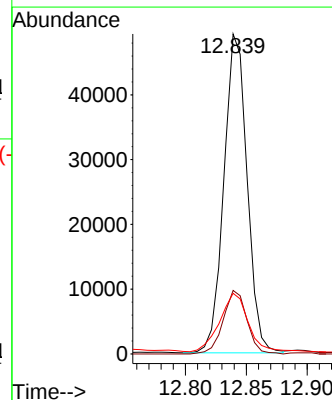
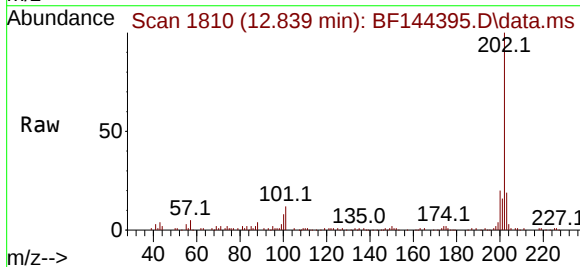
Tgt Ion:202 Resp: 65445

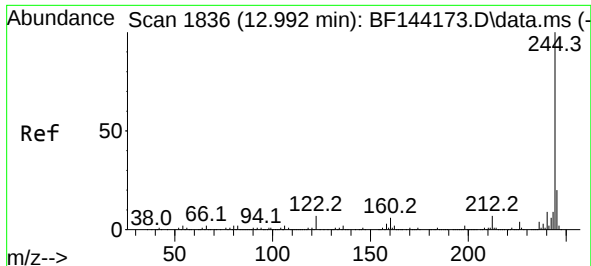
Ion Ratio Lower Upper

202 100

200 19.9 17.2 25.8

203 19.0 13.7 20.5

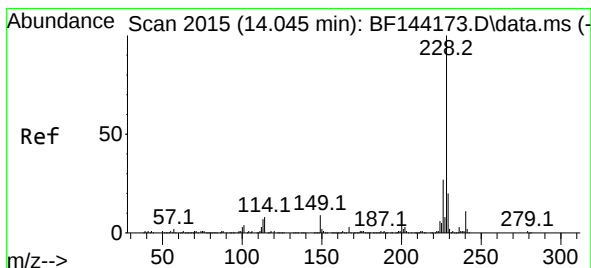
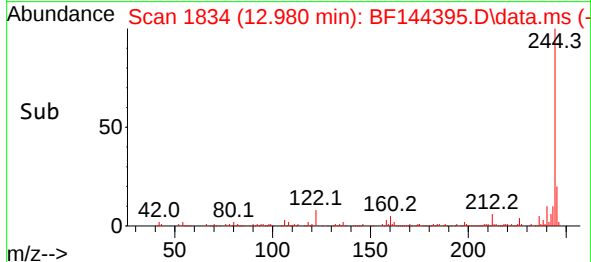
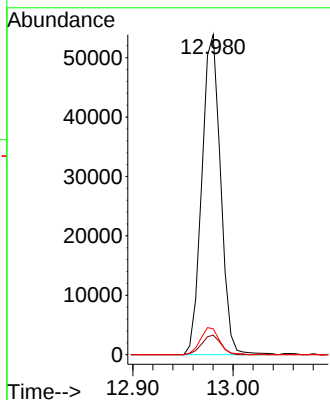
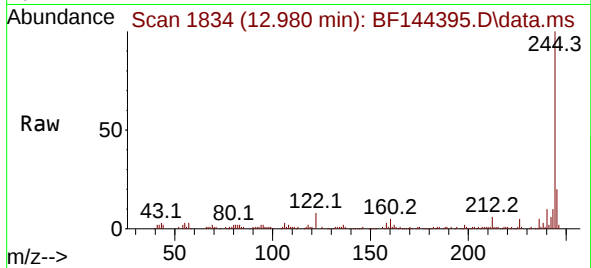




#79
 Terphenyl-d14
 Concen: 6.404 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144395.D
 Acq: 01 Dec 2025 19:11

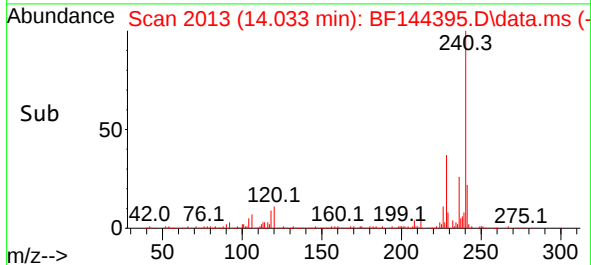
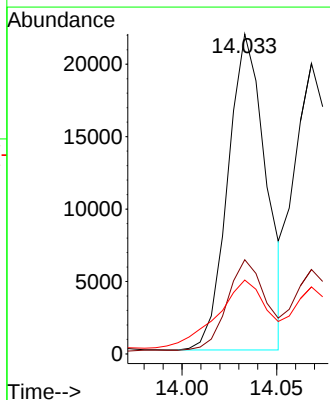
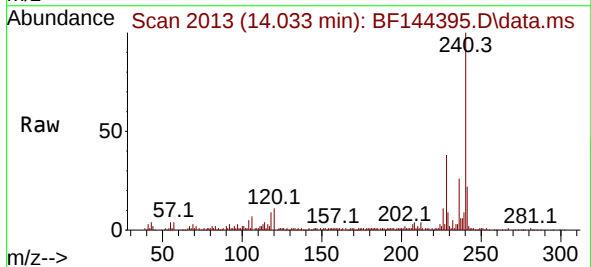
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17B

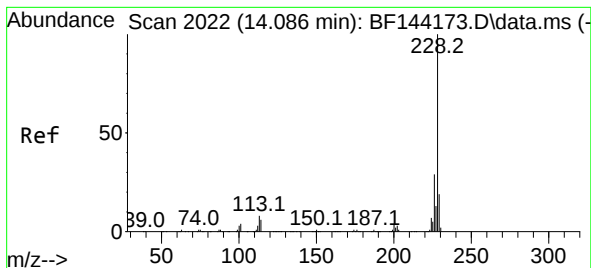
Tgt Ion:244 Resp: 70148
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.3 7.9
 122 8.1 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 2.534 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144395.D
 Acq: 01 Dec 2025 19:11

Tgt Ion:228 Resp: 30555
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.8 32.8
 229 23.1 15.8 23.6





#83

Chrysene

Concen: 2.410 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B

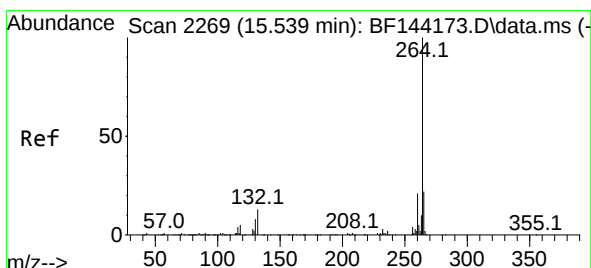
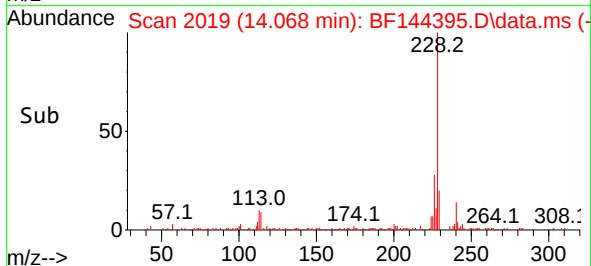
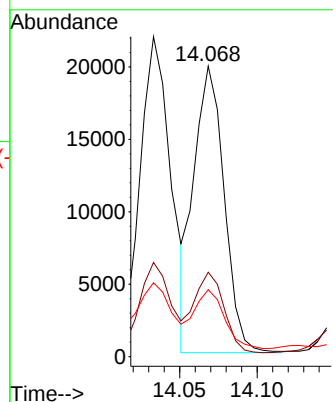
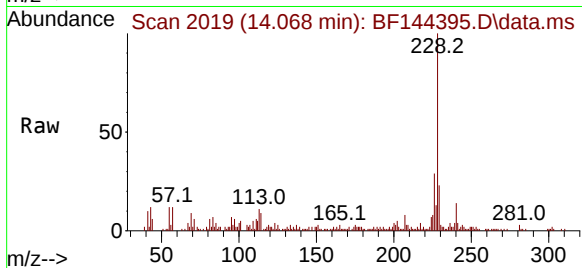
Tgt Ion:228 Resp: 26835

Ion Ratio Lower Upper

228 100

226 29.1 22.9 34.3

229 23.1 15.0 22.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

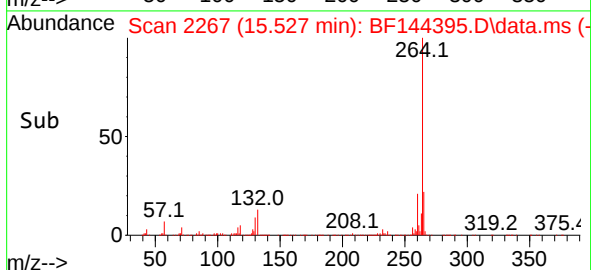
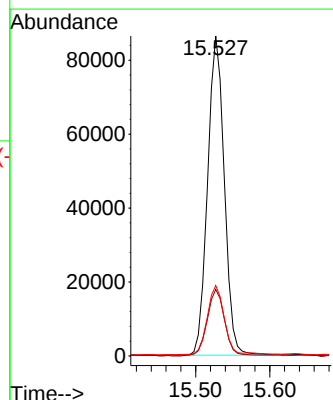
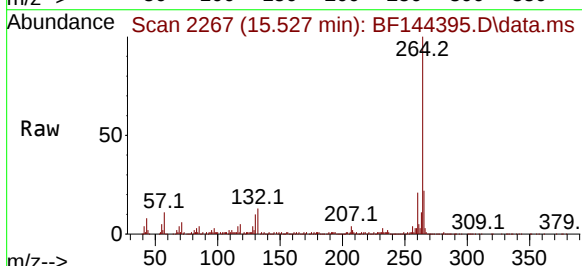
Tgt Ion:264 Resp: 135181

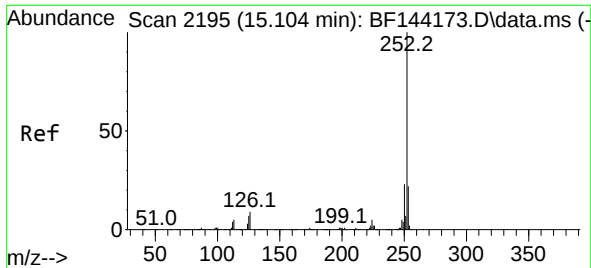
Ion Ratio Lower Upper

264 100

260 20.8 17.1 25.7

265 22.0 17.4 26.0

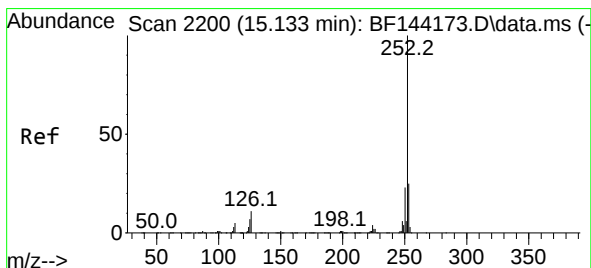
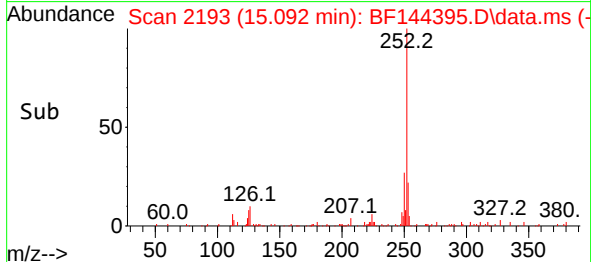
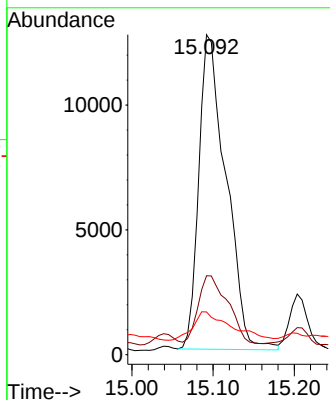
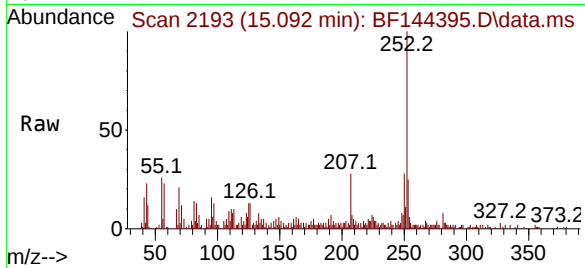




#88
Benzo(b)fluoranthene
Concen: 3.823 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

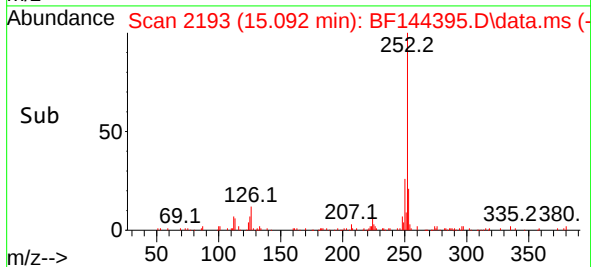
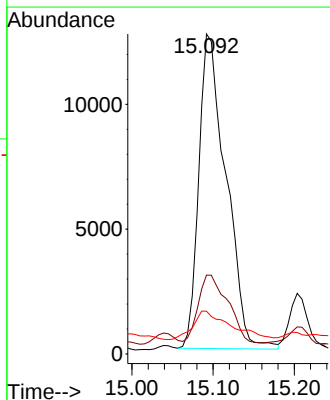
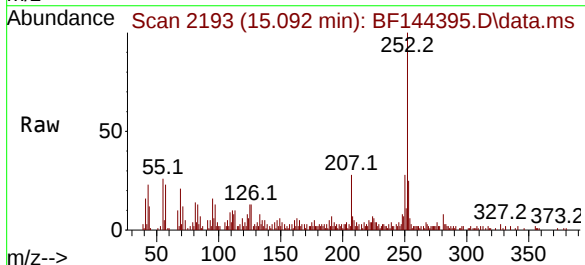
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

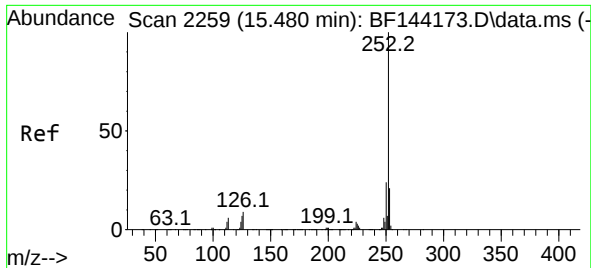
Tgt Ion:252 Resp: 29378
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.2
125 13.3 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 4.084 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

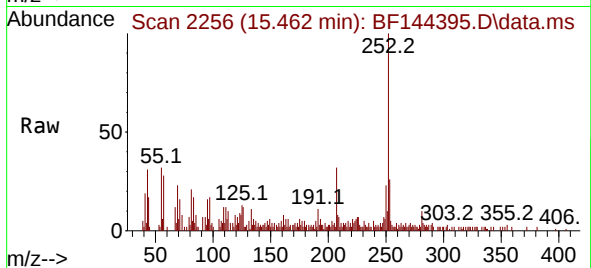
Tgt Ion:252 Resp: 29378
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 13.3 5.4 8.2#





#90
Benzo(a)pyrene
Concen: 2.237 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



Tgt Ion:252 Resp: 15858
Ion Ratio Lower Upper
252 100
253 25.9 16.7 25.1#
125 13.0 5.7 8.5#

