

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144368.D
 Acq On : 26 Nov 2025 18:42
 Operator : RC/JU
 Sample : Q3719-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-12B

Quant Time: Nov 27 00:50:57 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)

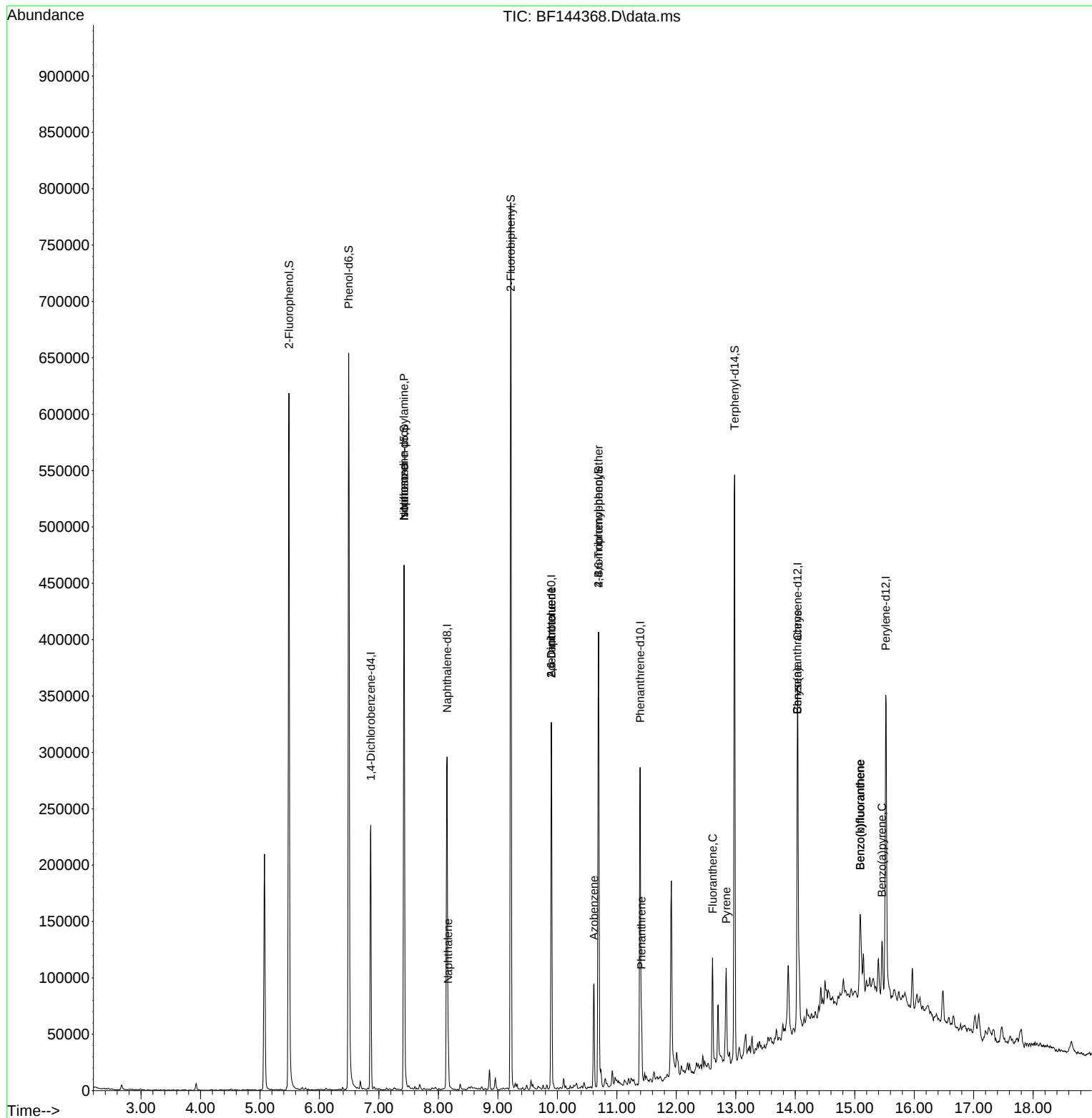
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	51725	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	197457	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	101915	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153449	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134244	20.000	ng	-0.01
86) Perylene-d12	15.521	264	160199	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	261515	79.118	ng	0.00
7) Phenol-d6	6.492	99	301728	80.563	ng	0.00
23) Nitrobenzene-d5	7.422	82	197188	57.676	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	79353	62.047	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	369777	53.587	ng	-0.01
79) Terphenyl-d14	12.980	244	280360	33.173	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	28913	11.727	ng	# 76
25) Isophorone	7.422	82	197187	30.492	ng	# 66
31) Naphthalene	8.163	128	23775	2.531	ng	96
51) 2,6-Dinitrotoluene	9.898	165	13186	9.648	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	13186	7.207	ng	# 27
63) Azobenzene	10.616	77	22695	3.918	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4521	2.308	ng	# 1
71) Phenanthrene	11.416	178	32956	4.314	ng	97
75) Fluoranthene	12.610	202	53767	6.813	ng	98
78) Pyrene	12.839	202	46991	4.341	ng	98
81) Benzo(a)anthracene	14.033	228	35831	3.851	ng	94
83) Chrysene	14.033	228	35831	4.172	ng	95
88) Benzo(b)fluoranthene	15.092	252	53319	5.854	ng	# 96
89) Benzo(k)fluoranthene	15.092	252	53319	6.255	ng	# 97
90) Benzo(a)pyrene	15.457	252	27191	3.236	ng	# 89

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

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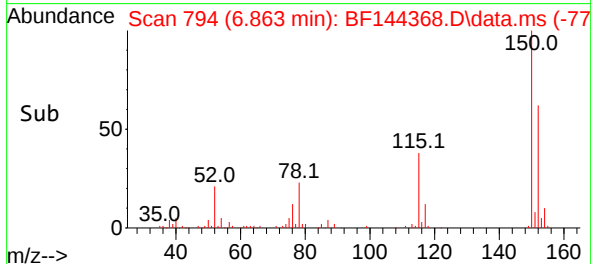
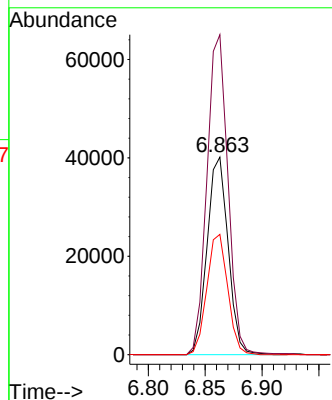
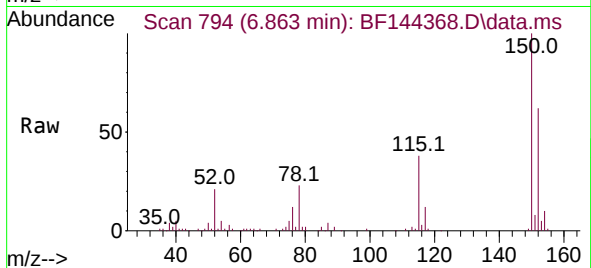




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

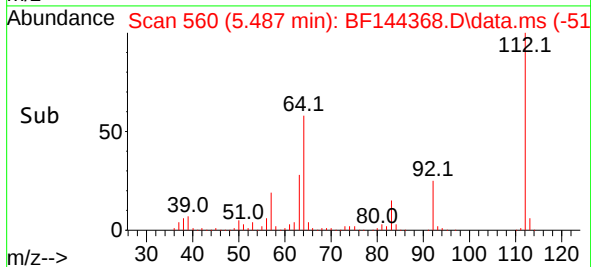
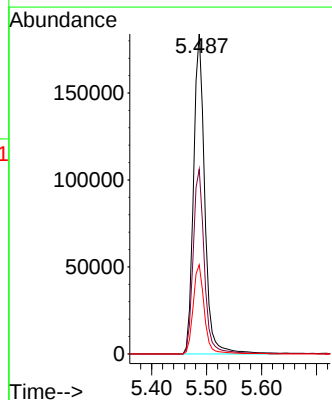
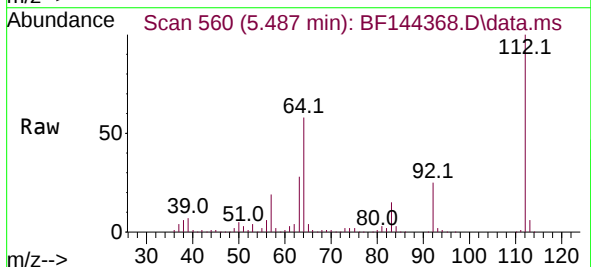
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

Tgt Ion:152 Resp: 51725
Ion Ratio Lower Upper
152 100
150 162.0 127.4 191.0
115 60.9 49.5 74.3



#5
2-Fluorophenol
Concen: 79.118 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion:112 Resp: 261515
Ion Ratio Lower Upper
112 100
64 57.7 47.2 70.8
63 27.8 24.4 36.6

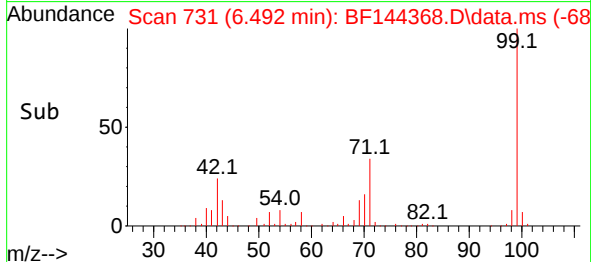
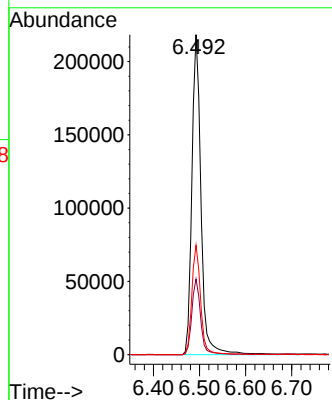
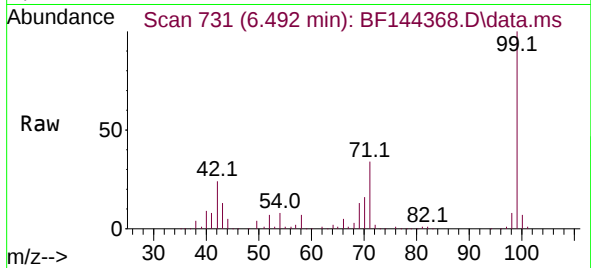




#7
Phenol-d6
Concen: 80.563 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

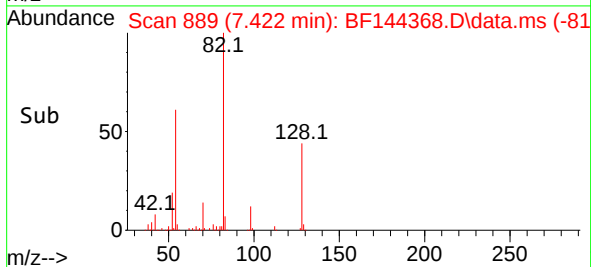
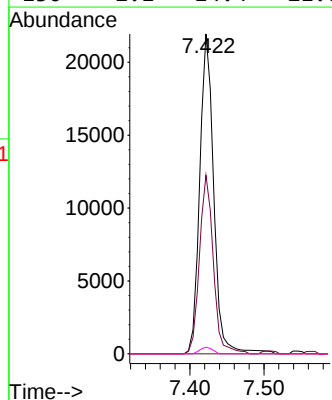
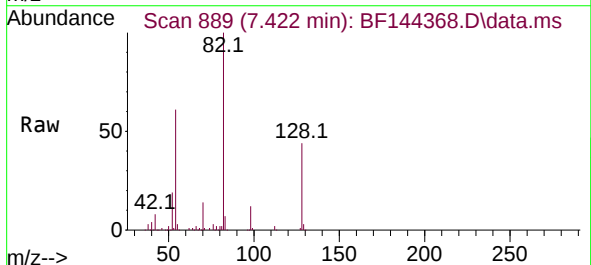
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

Tgt Ion: 99 Resp: 301728
Ion Ratio Lower Upper
99 100
42 23.6 20.9 31.3
71 34.2 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.727 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion: 70 Resp: 28913
Ion Ratio Lower Upper
70 100
42 55.8 58.3 87.5#
101 0.0 7.0 10.6#
130 2.1 14.4 21.6#

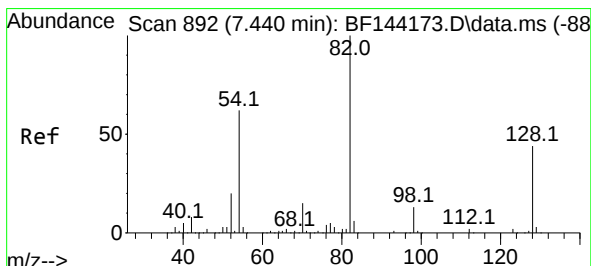
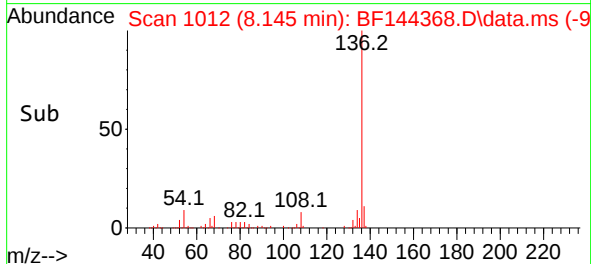
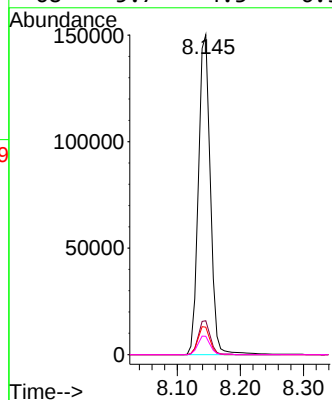
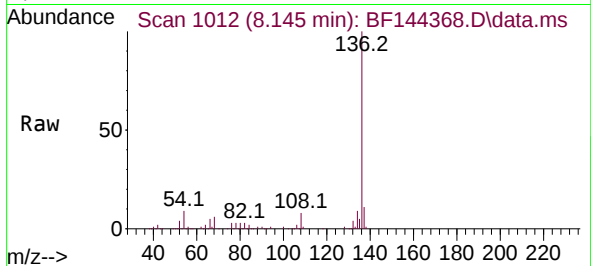




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

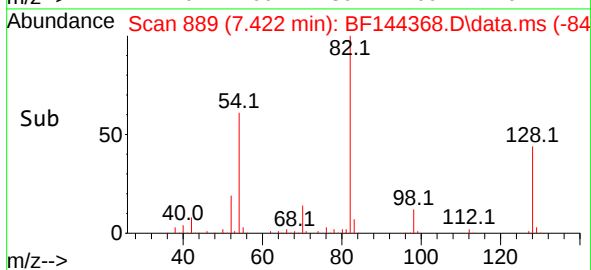
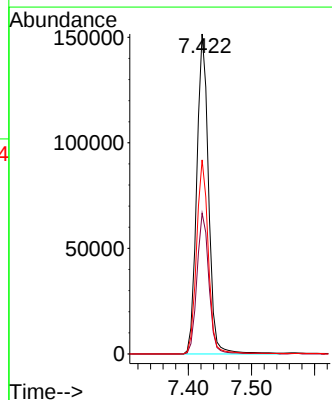
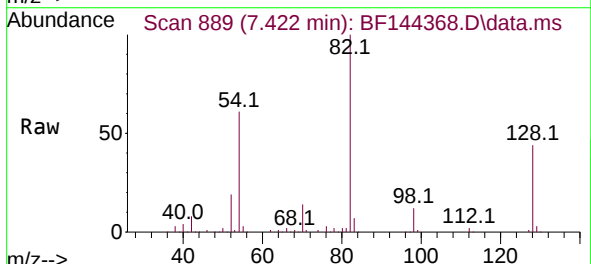
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

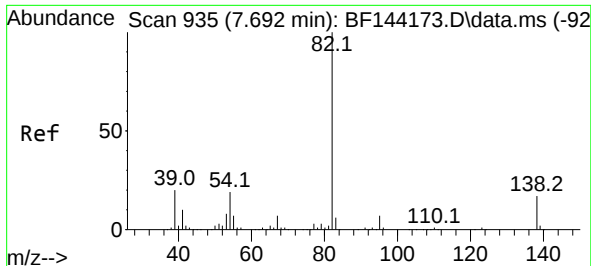
Tgt Ion	136	Resp: Lower	197457 Upper
136	100		
137	10.6	8.6	13.0
54	8.6	7.0	10.6
68	5.7	4.3	6.5



#23
Nitrobenzene-d5
Concen: 57.676 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion: 82	Resp: 197188
Ion Ratio	Lower Upper
82 100	
128 44.0	34.7 52.1
54 60.6	49.5 74.3

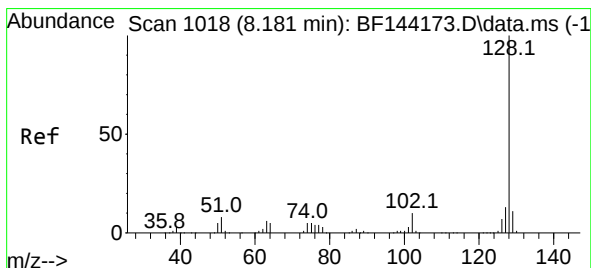
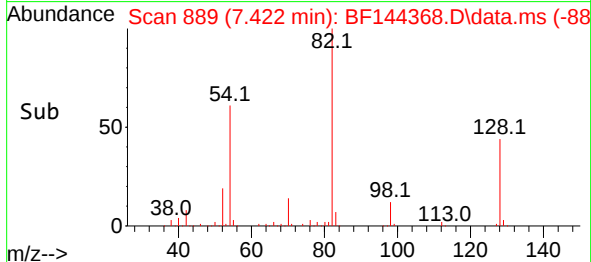
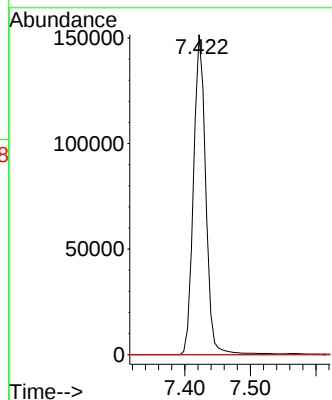
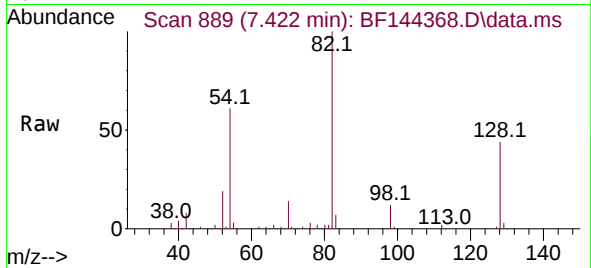




#25
Isophorone
Concen: 30.492 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

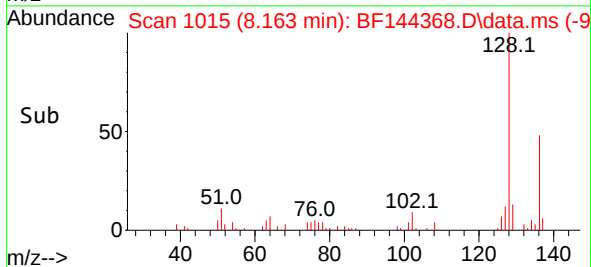
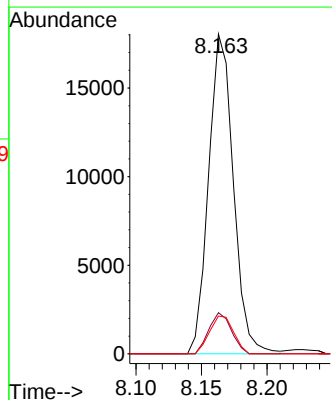
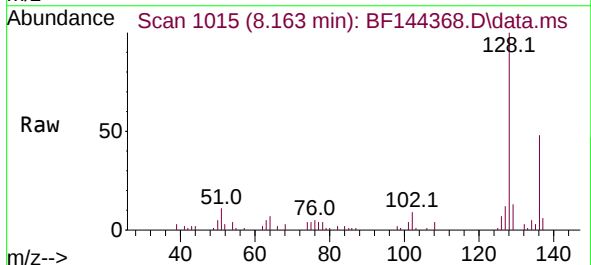
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

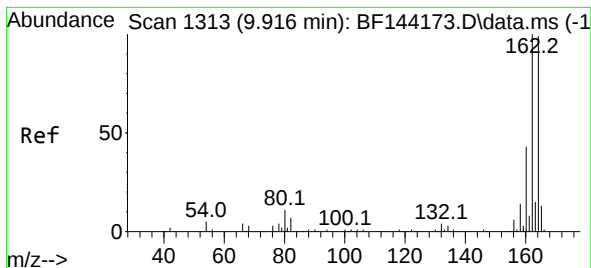
Tgt Ion: 82 Resp: 197187
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#31
Naphthalene
Concen: 2.531 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion: 128 Resp: 23775
Ion Ratio Lower Upper
128 100
129 12.9 8.9 13.3
127 11.8 10.3 15.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144368.D

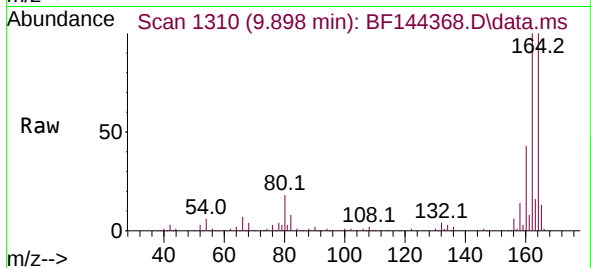
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Instrument :

BNA_F

ClientSampleId :

SB-1125-12B



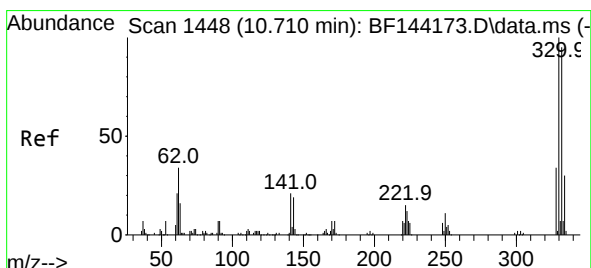
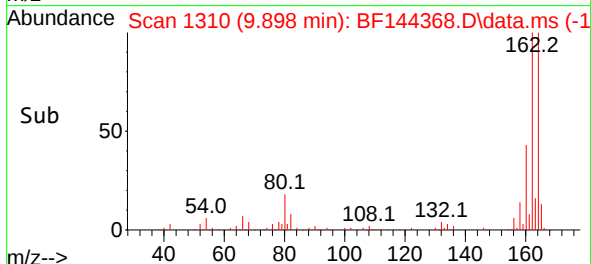
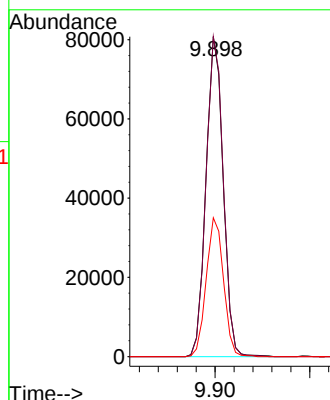
Tgt Ion:164 Resp: 101915

Ion Ratio Lower Upper

164 100

162 100.0 81.1 121.7

160 43.4 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 62.047 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

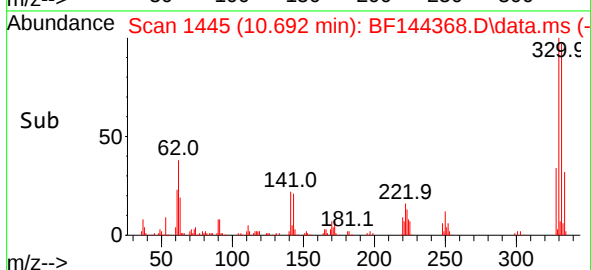
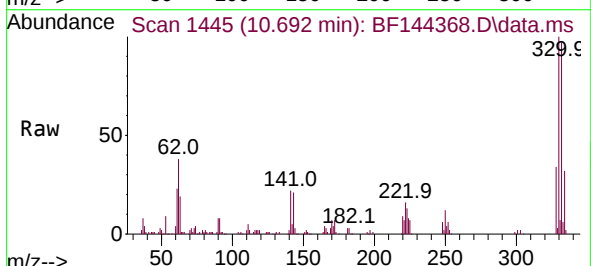
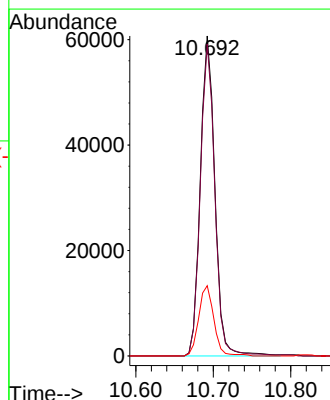
Tgt Ion:330 Resp: 79353

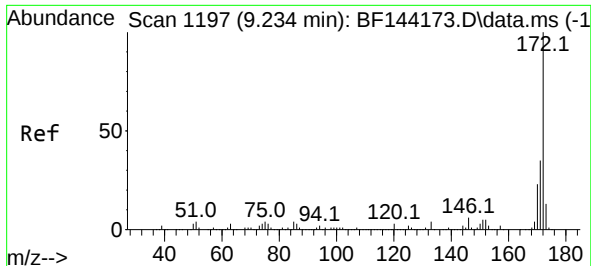
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 22.7 17.8 26.8

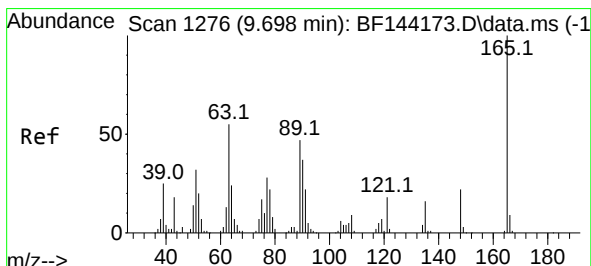
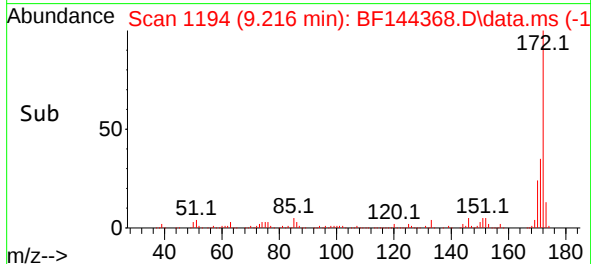
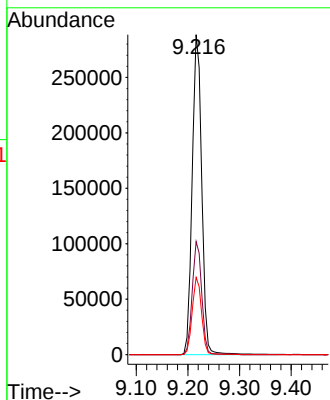
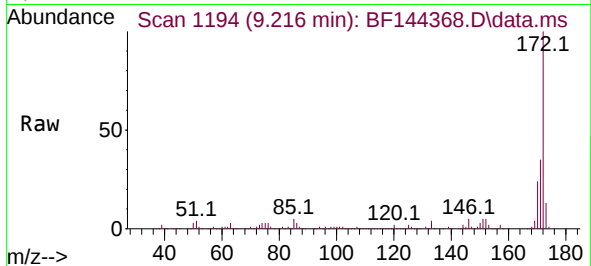




#45
 2-Fluorobiphenyl
 Concen: 53.587 ng
 RT: 9.216 min Scan# 1194
 Delta R.T. -0.012 min
 Lab File: BF144368.D
 Acq: 26 Nov 2025 18:42

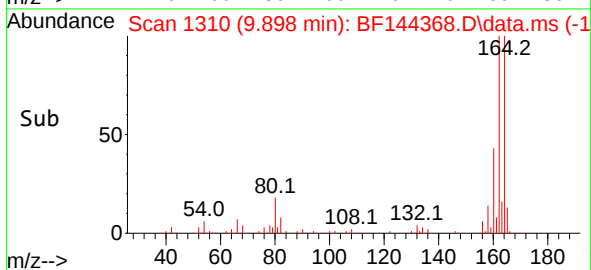
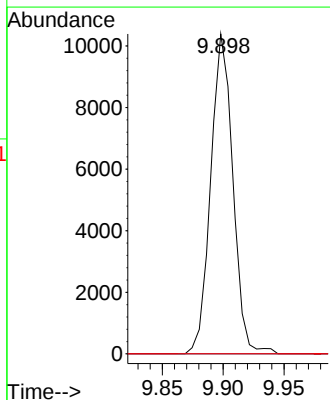
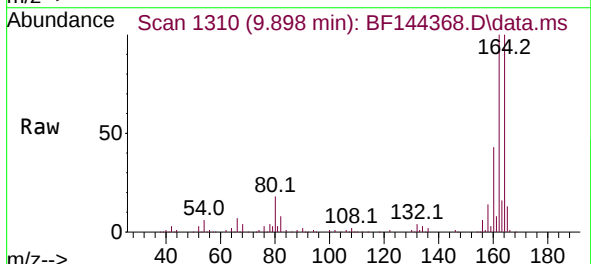
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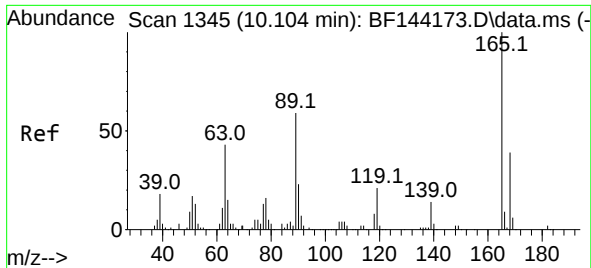
Tgt Ion:172 Resp: 369777
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.1 42.1
 170 24.1 18.6 28.0



#51
 2,6-Dinitrotoluene
 Concen: 9.648 ng
 RT: 9.898 min Scan# 1310
 Delta R.T. 0.206 min
 Lab File: BF144368.D
 Acq: 26 Nov 2025 18:42

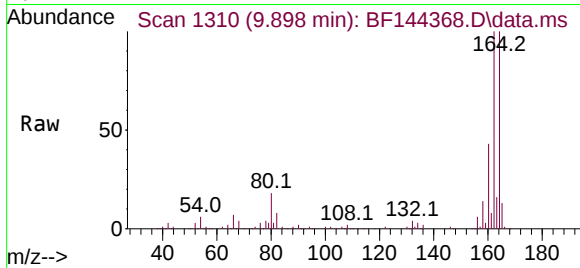
Tgt Ion:165 Resp: 13186
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 0.0 37.5 56.3#



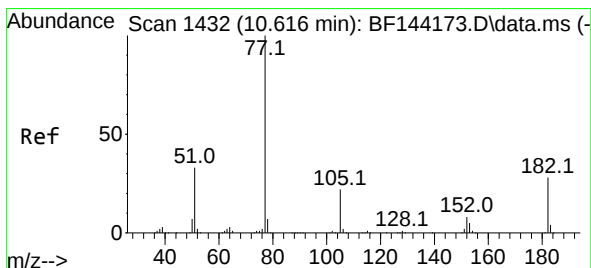
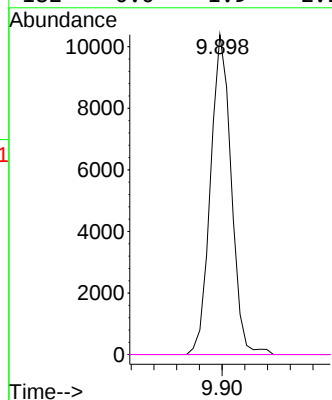
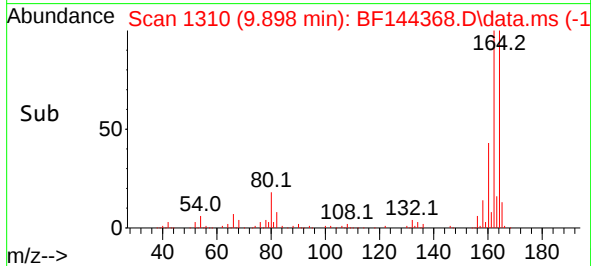


#57
2,4-Dinitrotoluene
Concen: 7.207 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

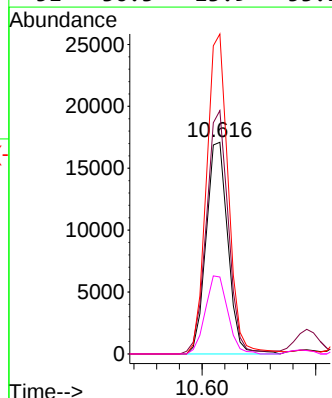
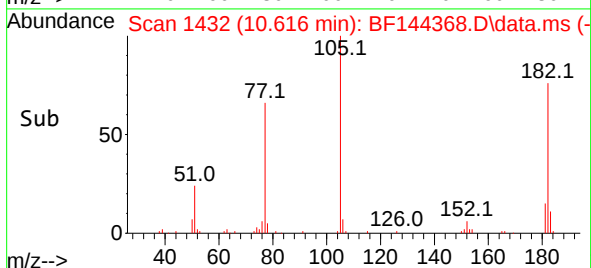
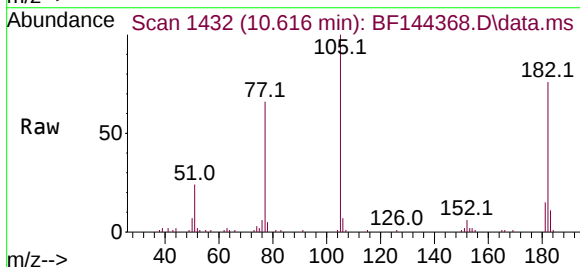


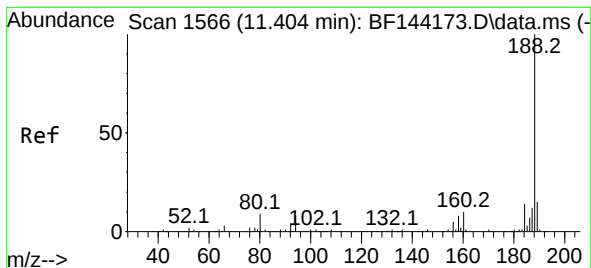
Tgt Ion:165 Resp: 13186
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 3.918 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion: 77 Resp: 22695
Ion Ratio Lower Upper
77 100
182 114.9 8.1 48.1#
105 151.2 2.0 42.0#
51 36.3 13.9 53.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

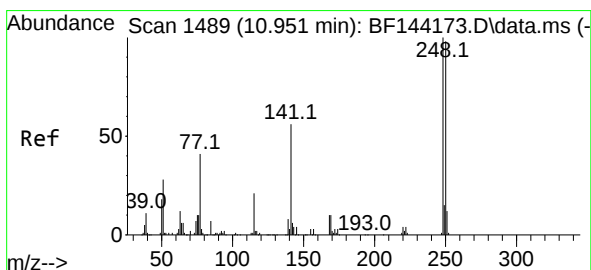
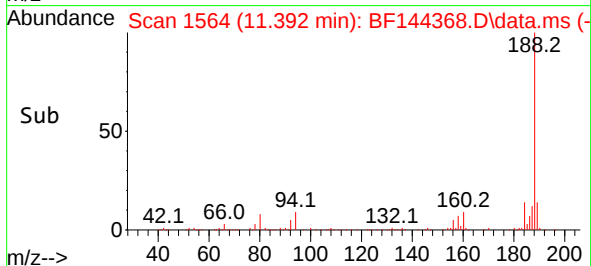
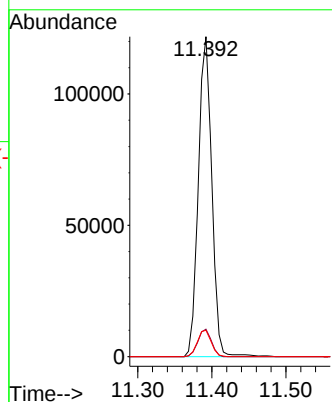
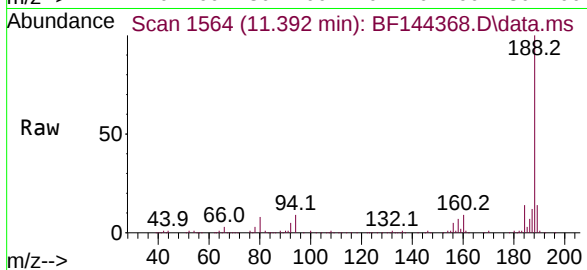
Tgt Ion:188 Resp: 153449

Ion Ratio Lower Upper

188 100

94 8.6 6.2 9.2

80 8.2 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.308 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

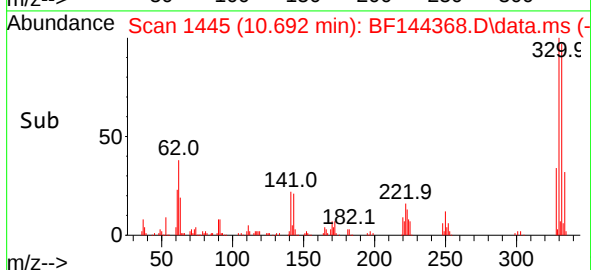
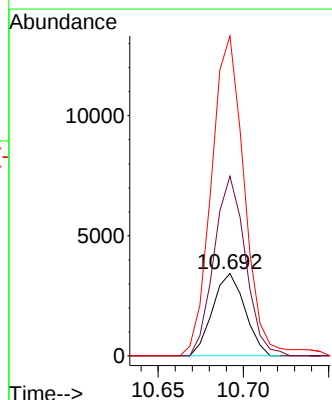
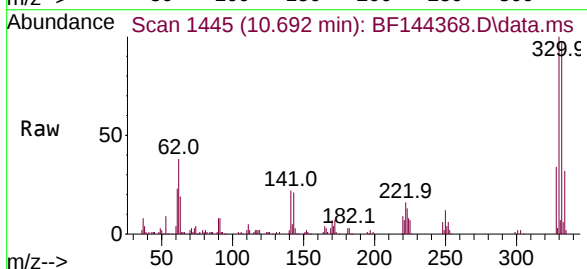
Tgt Ion:248 Resp: 4521

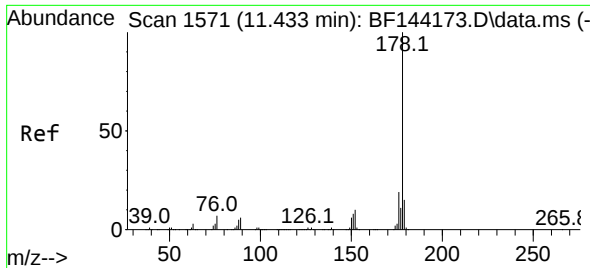
Ion Ratio Lower Upper

248 100

250 217.9 78.4 117.6#

141 388.4 45.1 67.7#

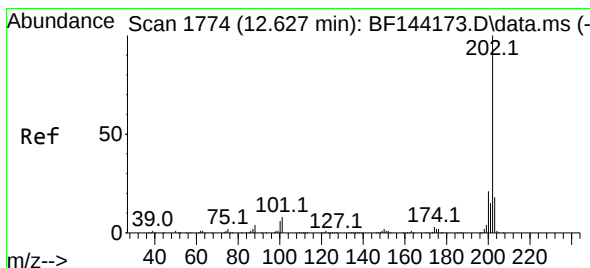
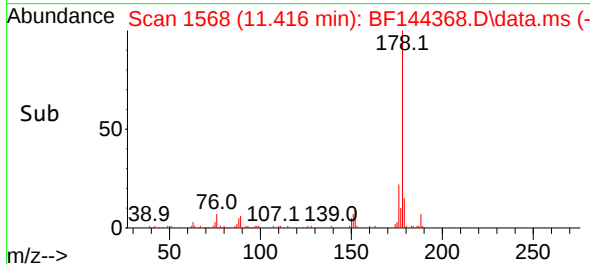
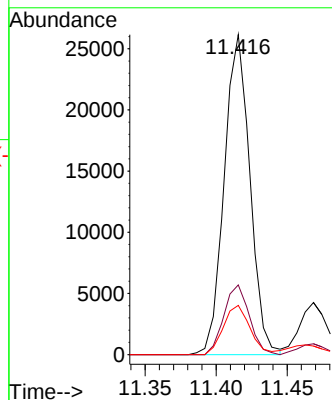
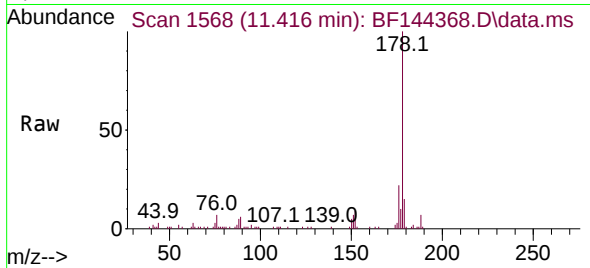




#71
Phenanthrene
Concen: 4.314 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

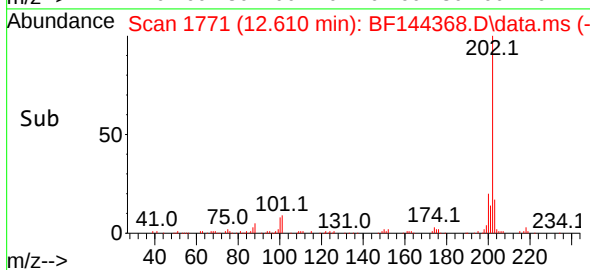
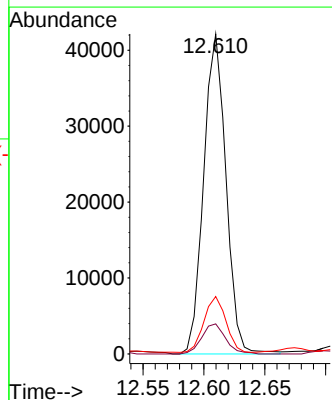
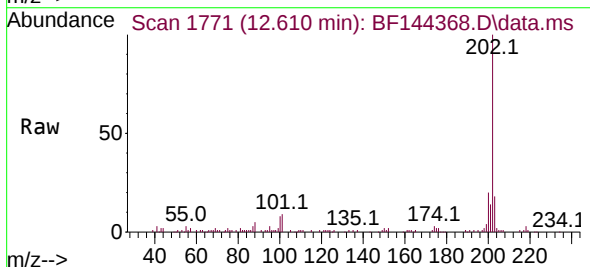
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

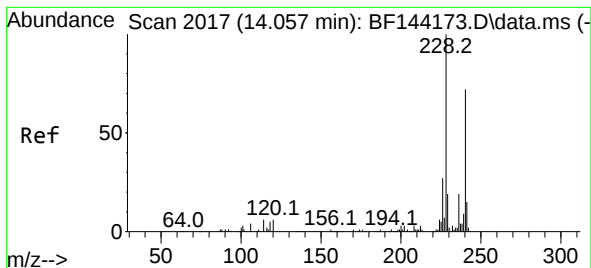
Tgt Ion:178	Resp:	32956
Ion Ratio	Lower	Upper
178	100	
176	21.8	15.5 23.3
179	15.4	12.2 18.4



#75
Fluoranthene
Concen: 6.813 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion:202	Resp:	53767
Ion Ratio	Lower	Upper
202	100	
101	9.4	0.0 27.9
203	17.9	0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

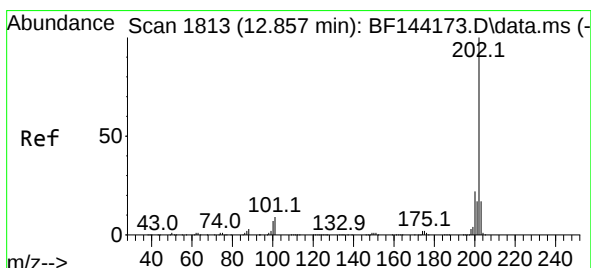
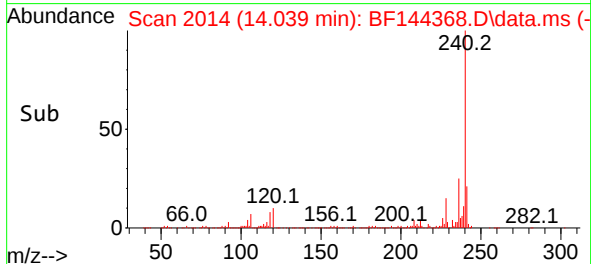
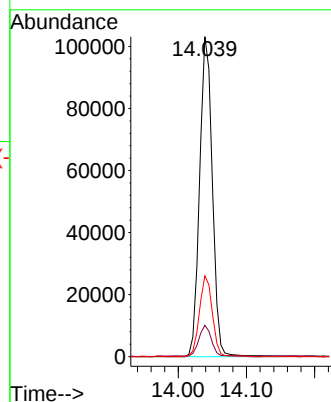
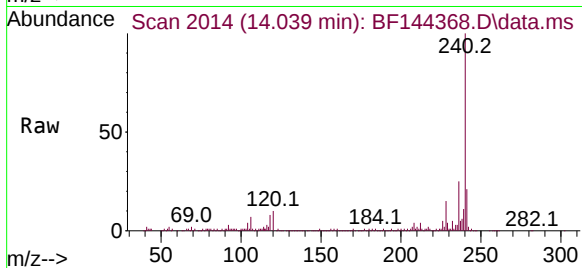
Tgt Ion:240 Resp: 134244

Ion Ratio Lower Upper

240 100

120 9.8 6.6 10.0

236 25.2 21.4 32.2



#78

Pyrene

Concen: 4.341 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

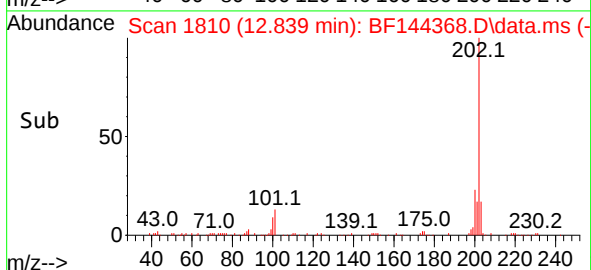
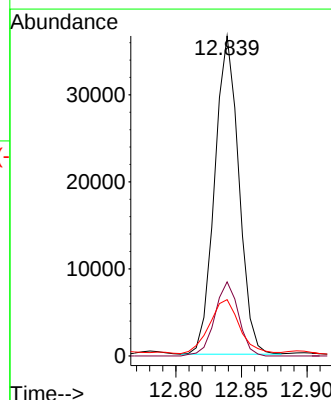
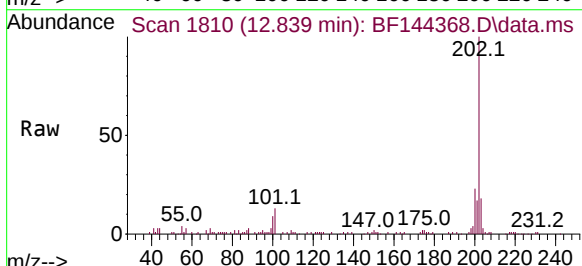
Tgt Ion:202 Resp: 46991

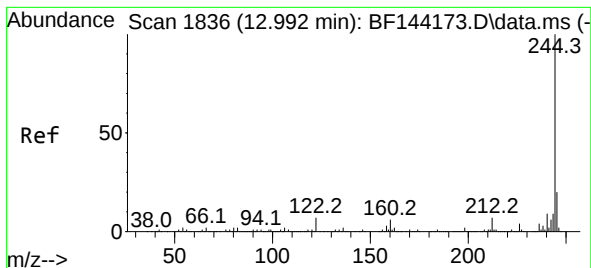
Ion Ratio Lower Upper

202 100

200 23.1 17.2 25.8

203 17.6 13.7 20.5





#79

Terphenyl-d14

Concen: 33.173 ng

RT: 12.980 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF144368.D

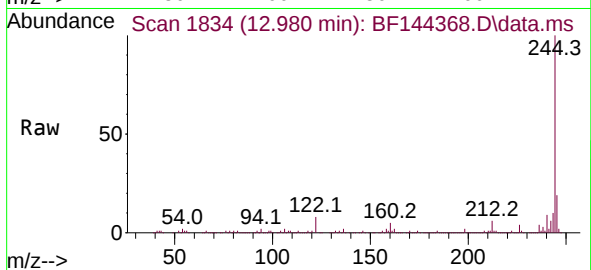
Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B



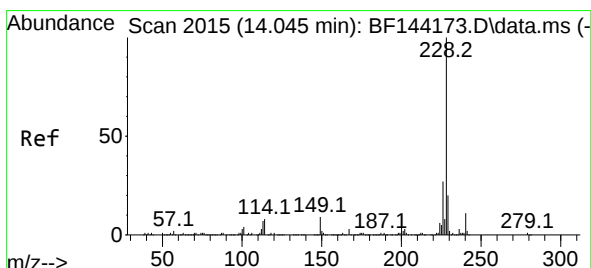
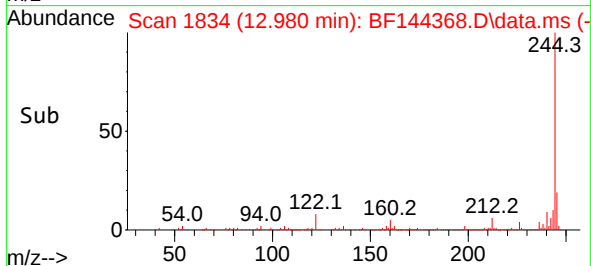
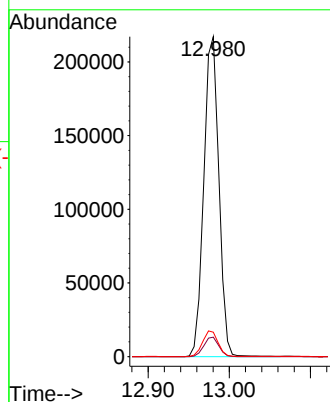
Tgt Ion:244 Resp: 280360

Ion Ratio Lower Upper

244 100

212 6.1 5.3 7.9

122 7.6 5.6 8.4



#81

Benzo(a)anthracene

Concen: 3.851 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

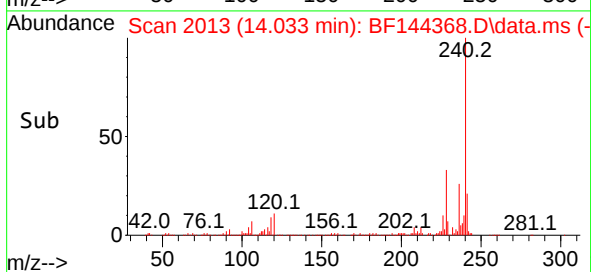
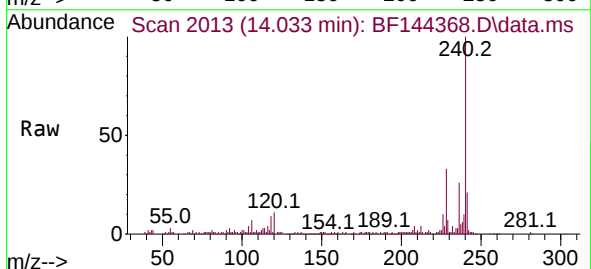
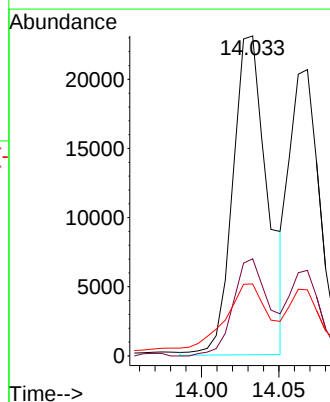
Tgt Ion:228 Resp: 35831

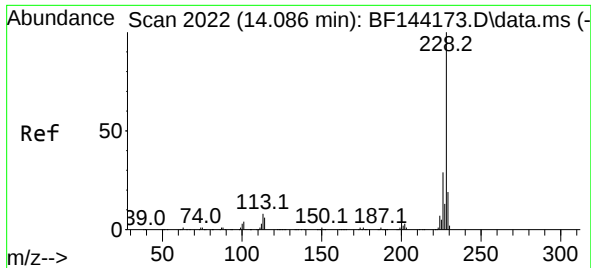
Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.8

229 22.5 15.8 23.6





#83

Chrysene

Concen: 4.172 ng

RT: 14.033 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

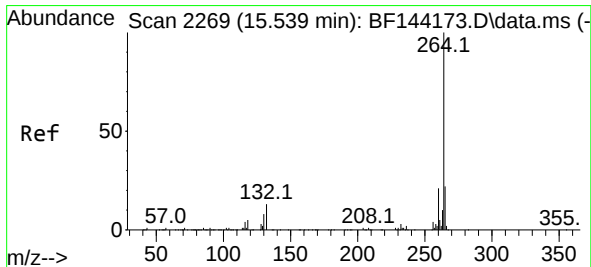
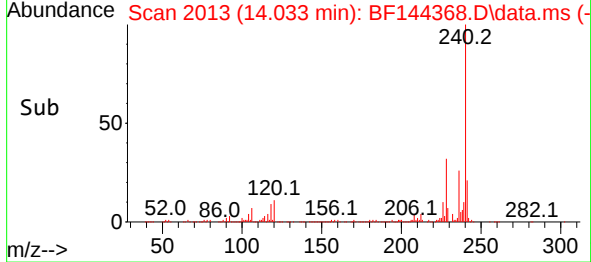
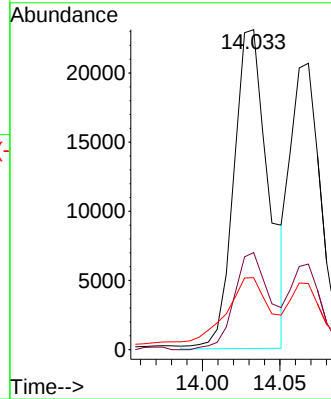
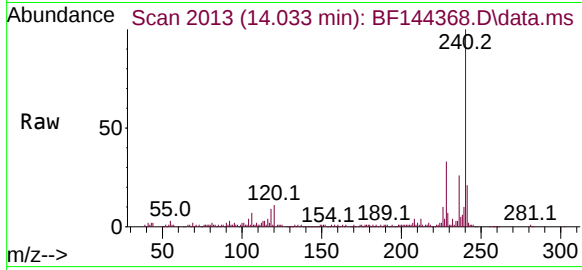
Tgt Ion:228 Resp: 35831

Ion Ratio Lower Upper

228 100

226 30.3 22.9 34.3

229 22.5 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

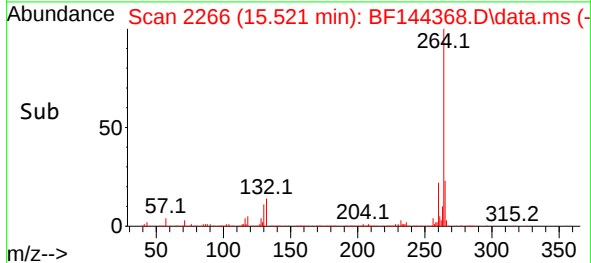
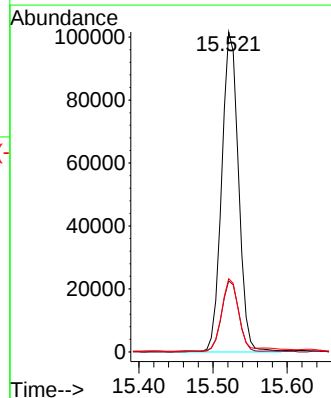
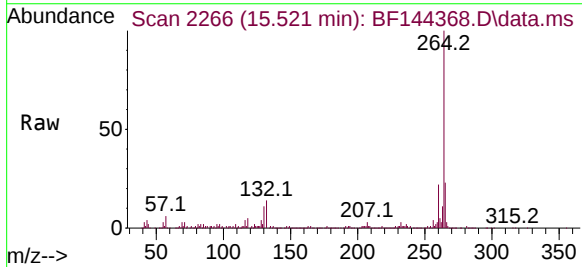
Tgt Ion:264 Resp: 160199

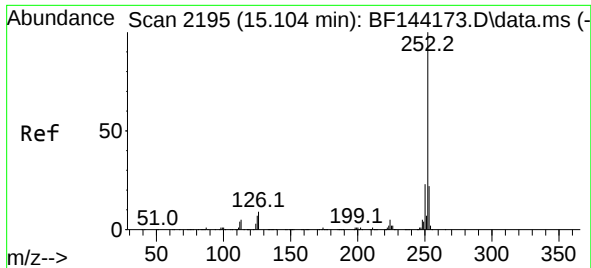
Ion Ratio Lower Upper

264 100

260 22.2 17.1 25.7

265 22.9 17.4 26.0

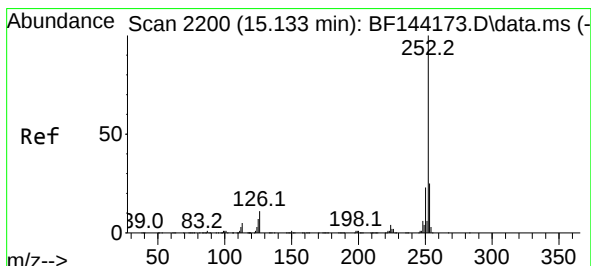
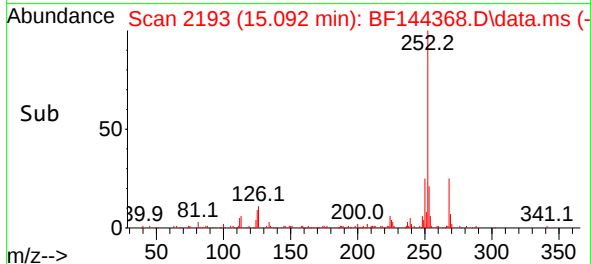
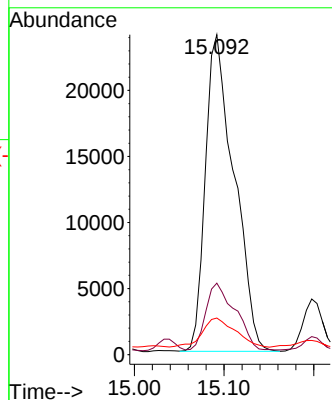
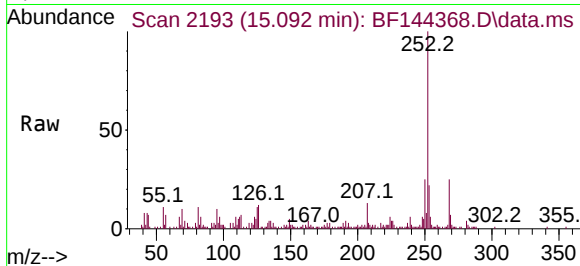




#88
Benzo(b)fluoranthene
Concen: 5.854 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

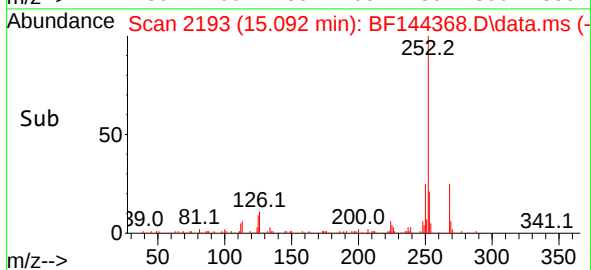
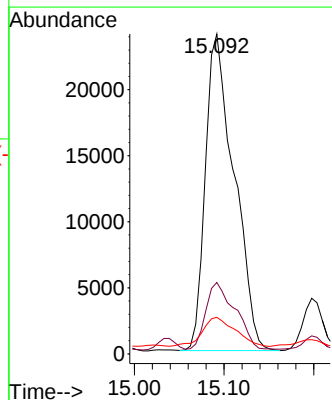
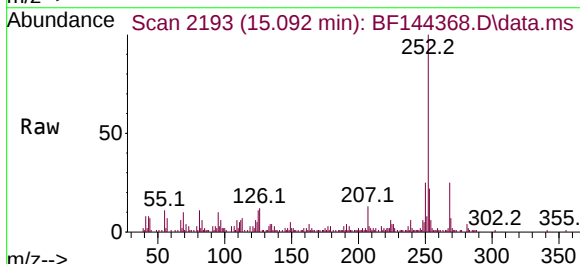
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

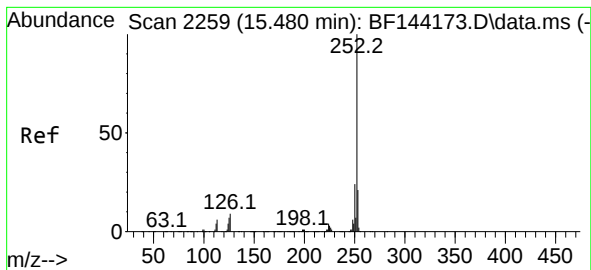
Tgt Ion:252 Resp: 53319
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 11.4 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 6.255 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.036 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion:252 Resp: 53319
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 11.4 5.4 8.2#





#90

Benzo(a)pyrene

Concen: 3.236 ng

RT: 15.457 min Scan# 22

Delta R.T. -0.018 min

Lab File: BF144368.D

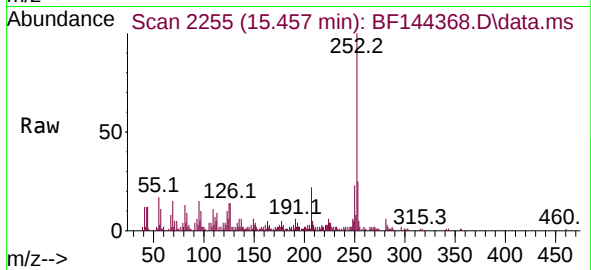
Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B



Tgt Ion:252 Resp: 27191

Ion Ratio Lower Upper

252 100

253 24.7 16.7 25.1

125 14.0 5.7 8.5#

