

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144380.D
 Acq On : 27 Nov 2025 00:44
 Operator : RC/JU
 Sample : Q3723-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-1-112525

Quant Time: Nov 27 01:33:12 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)

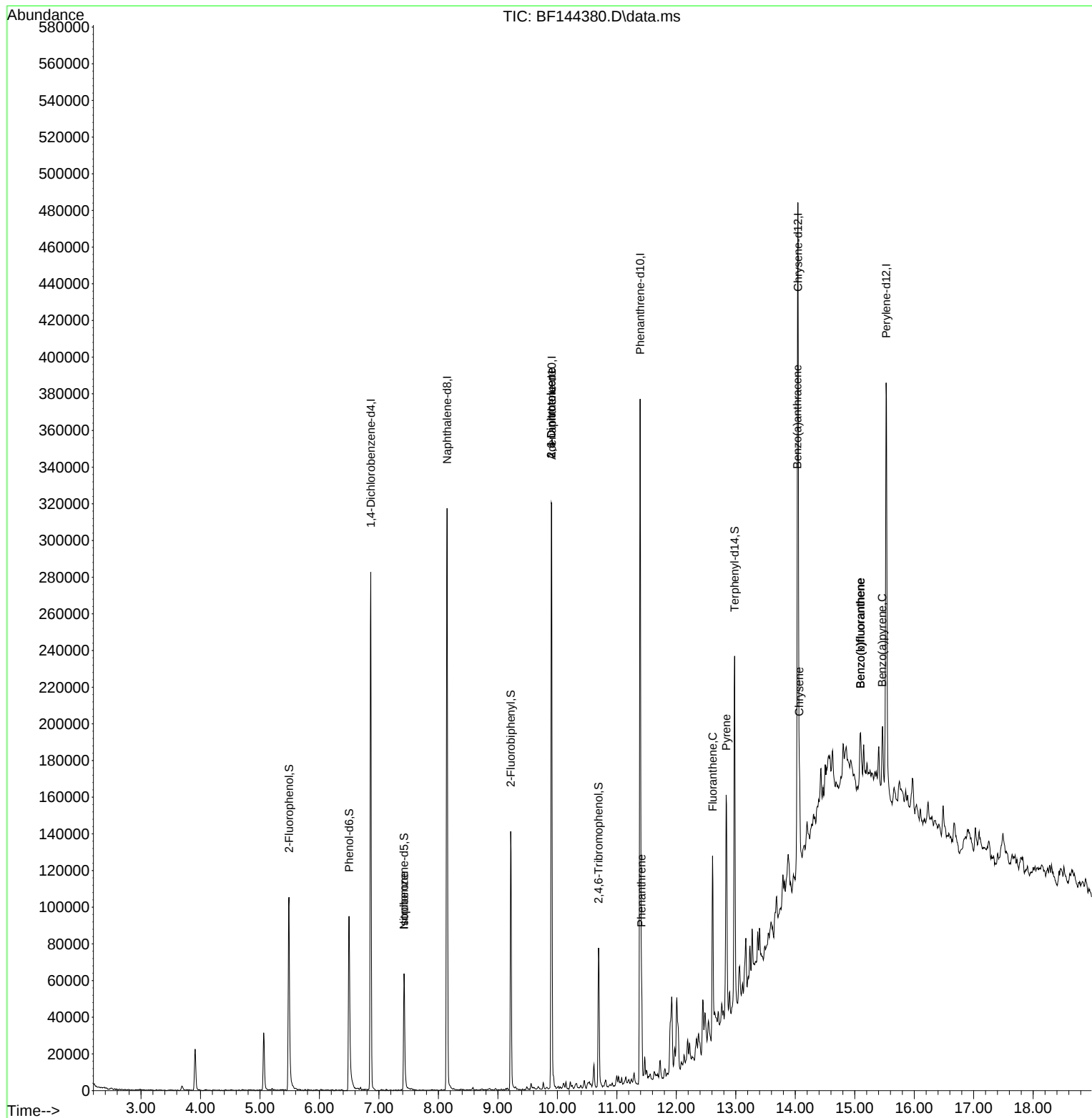
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	63190	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	213020	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	105373	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	201351	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	172261	20.000	ng	0.00
86) Perylene-d12	15.527	264	136084	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	57399	14.215	ng	0.00
7) Phenol-d6	6.498	99	58837	12.859	ng	0.00
23) Nitrobenzene-d5	7.422	82	31980	8.671	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	16381	12.388	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	72401	10.148	ng	-0.01
79) Terphenyl-d14	12.980	244	96360	8.885	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.422	82	31980	4.584	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13124	9.287	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	13124	6.937	ng	# 27
71) Phenanthrene	11.416	178	29710	2.964	ng	99
75) Fluoranthene	12.610	202	53593	5.175	ng	96
78) Pyrene	12.839	202	73969	5.326	ng	96
81) Benzo(a)anthracene	14.033	228	33854	2.836	ng	94
83) Chrysene	14.069	228	29429	2.670	ng	# 89
88) Benzo(b)fluoranthene	15.098	252	30394	3.929	ng	# 81
89) Benzo(k)fluoranthene	15.098	252	30394	4.197	ng	# 83
90) Benzo(a)pyrene	15.463	252	17781	2.491	ng	# 83

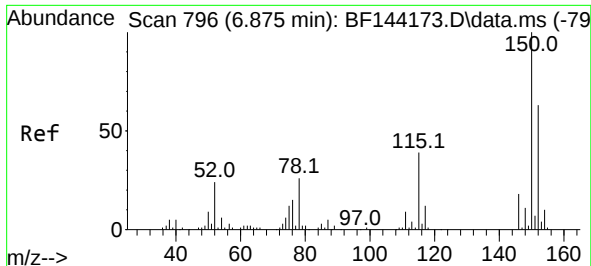
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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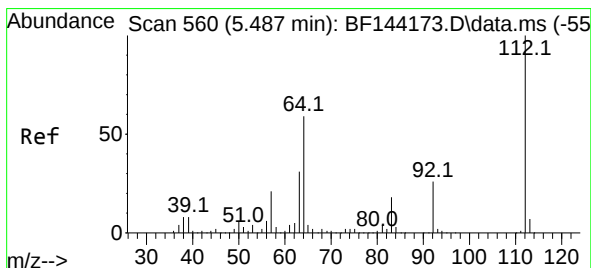
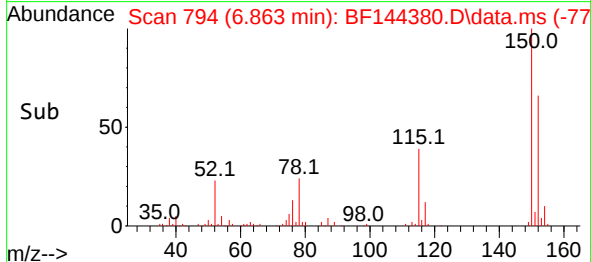
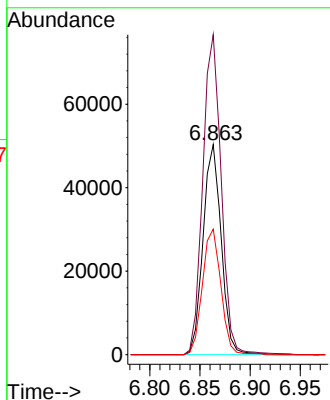
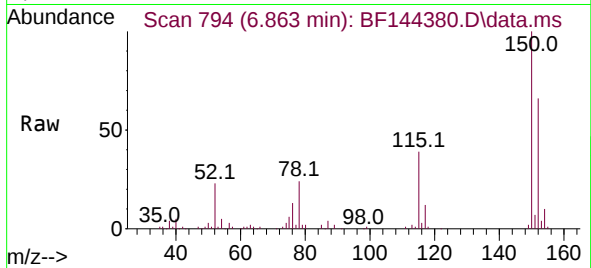




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

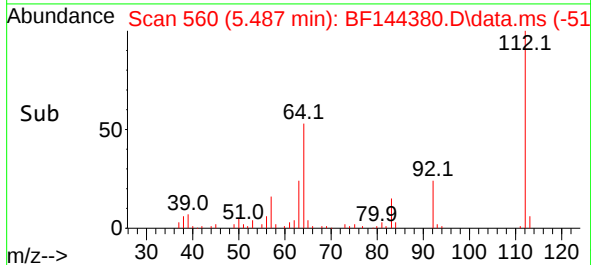
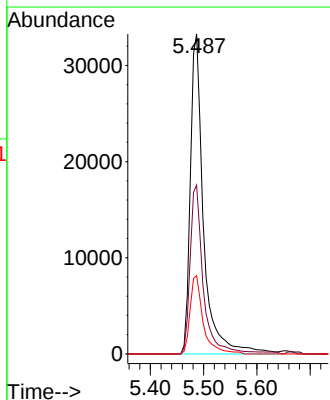
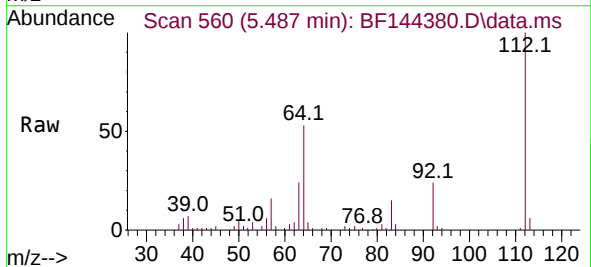
Instrument :
BNA_F
ClientSampleId :
CC-1-112525

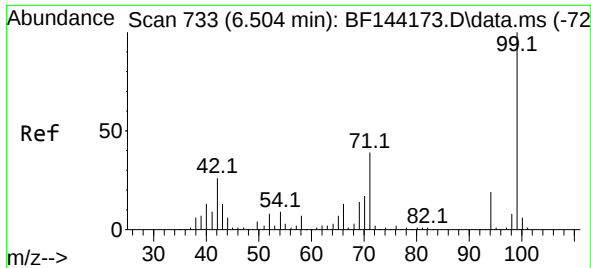
Tgt Ion:152 Resp: 63190
Ion Ratio Lower Upper
152 100
150 152.3 127.4 191.0
115 59.7 49.5 74.3



#5
2-Fluorophenol
Concen: 14.215 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:112 Resp: 57399
Ion Ratio Lower Upper
112 100
64 52.8 47.2 70.8
63 24.4 24.4 36.6

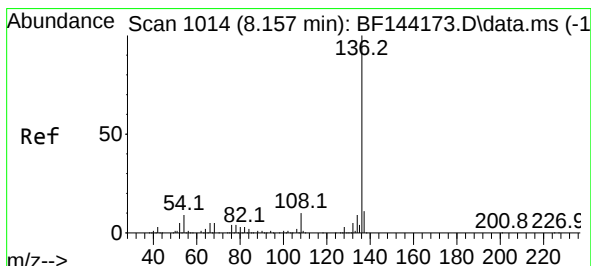
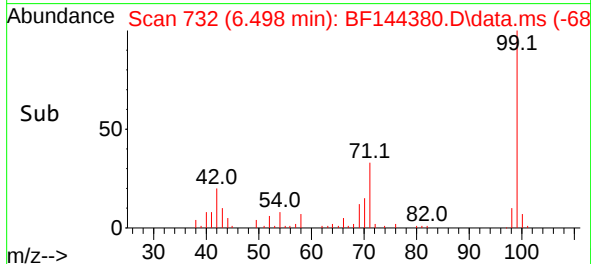
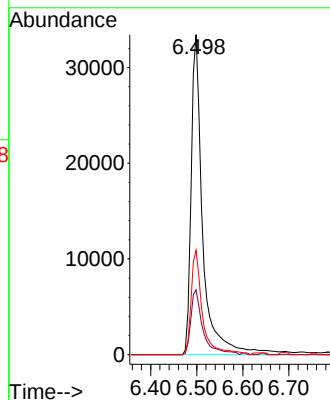
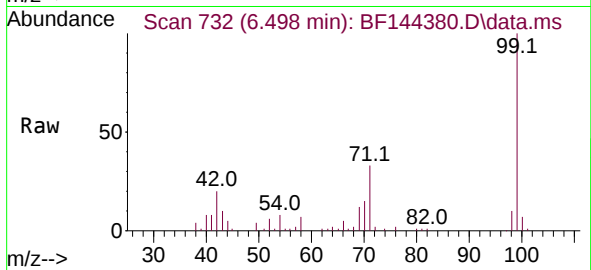




#7
Phenol-d6
Concen: 12.859 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

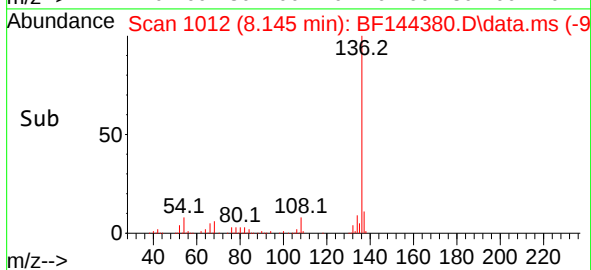
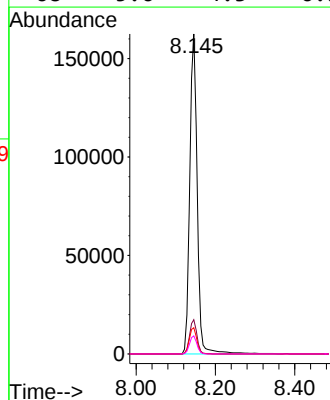
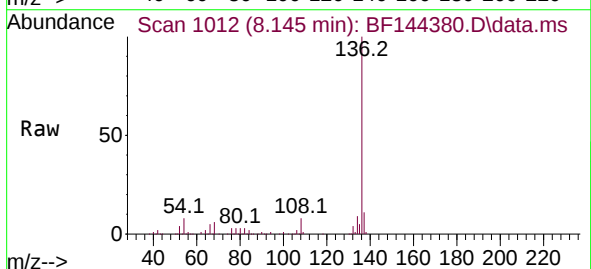
Instrument :
BNA_F
ClientSampleId :
CC-1-112525

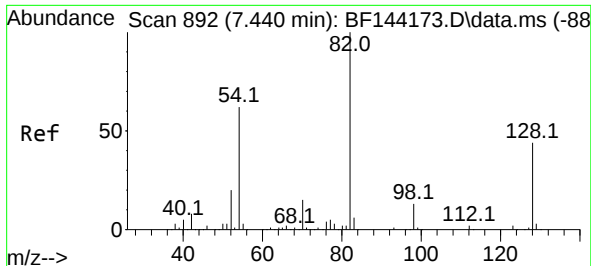
Tgt Ion: 99 Resp: 58837
Ion Ratio Lower Upper
99 100
42 20.2 20.9 31.3#
71 32.6 31.4 47.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:136 Resp: 213020
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 7.0 10.6
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 8.671 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

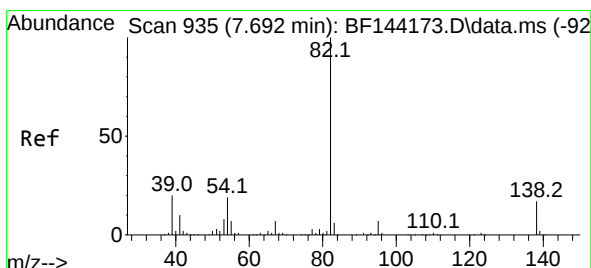
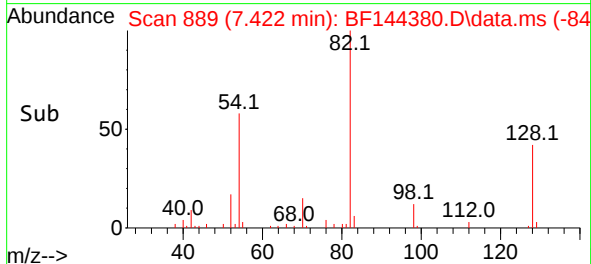
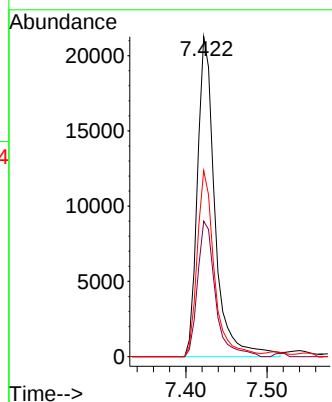
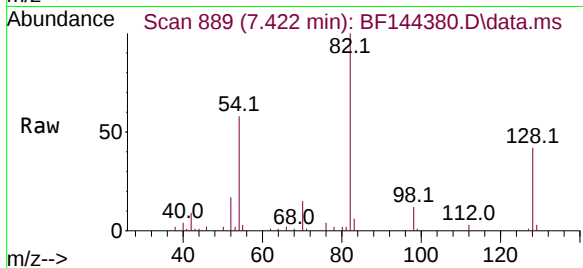
Tgt Ion: 82 Resp: 31980

Ion Ratio Lower Upper

82 100

128 42.3 34.7 52.1

54 58.1 49.5 74.3



#25

Isophorone

Concen: 4.584 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.265 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

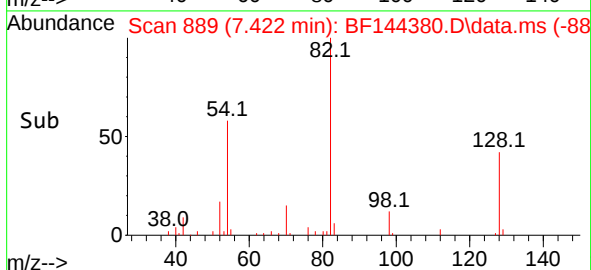
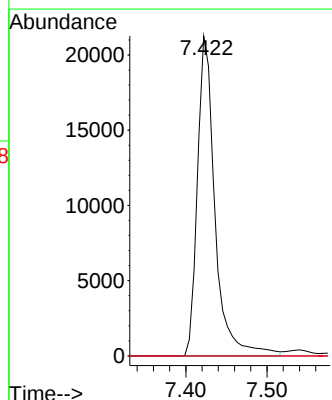
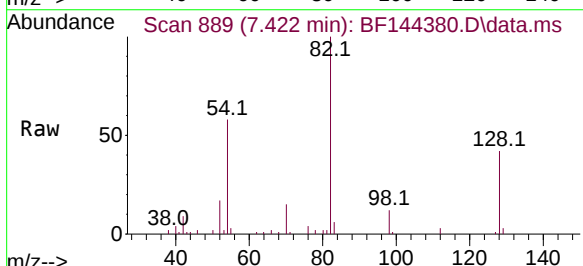
Tgt Ion: 82 Resp: 31980

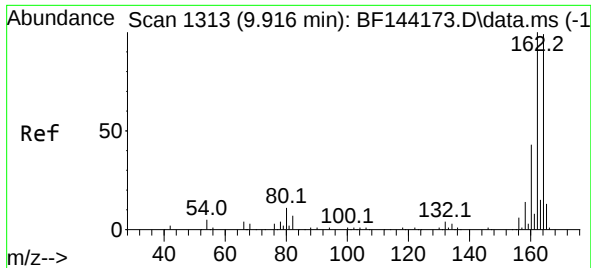
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

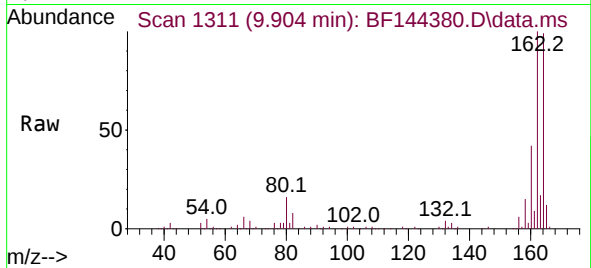
138 0.0 13.7 20.5#



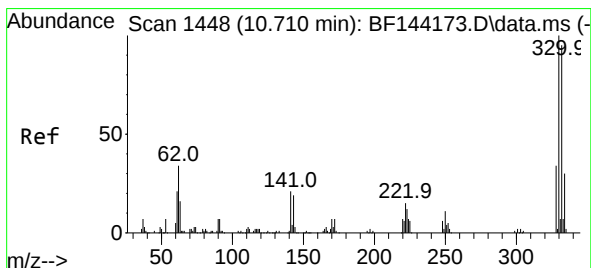
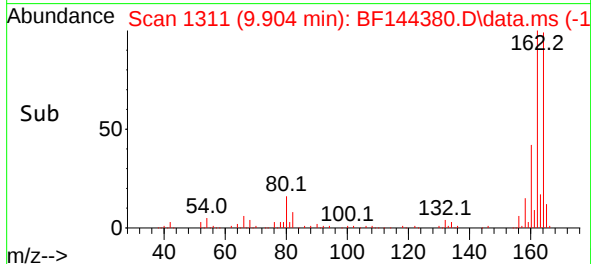
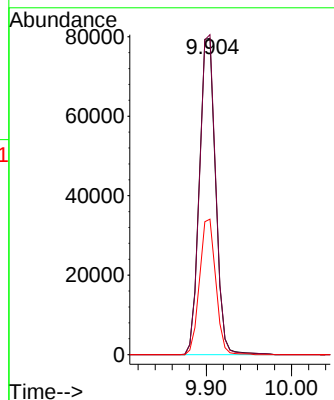


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :
BNA_F
ClientSampleId :
CC-1-112525

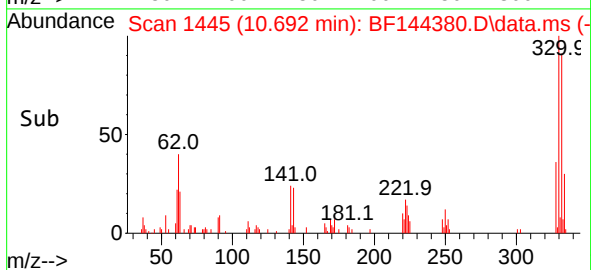
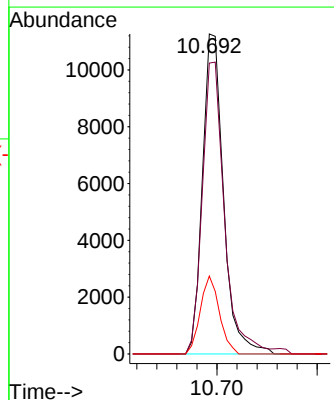
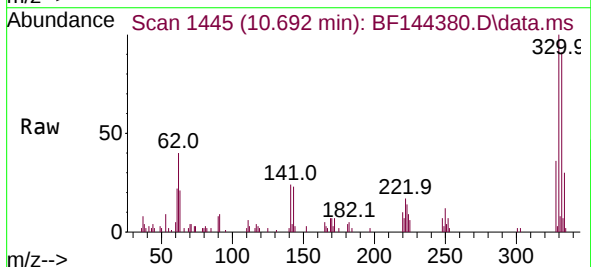


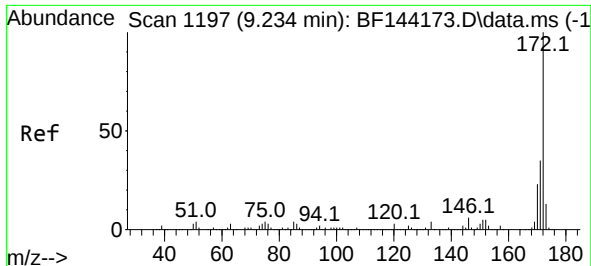
Tgt Ion:164 Resp: 105373
Ion Ratio Lower Upper
164 100
162 101.2 81.1 121.7
160 42.8 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 12.388 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:330 Resp: 16381
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 22.0 17.8 26.8

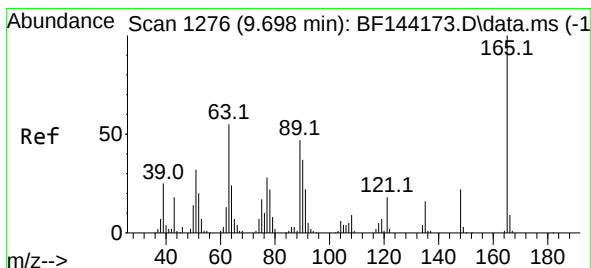
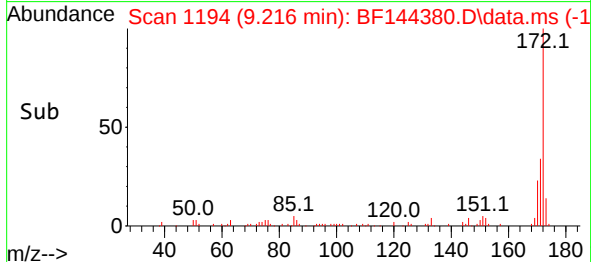
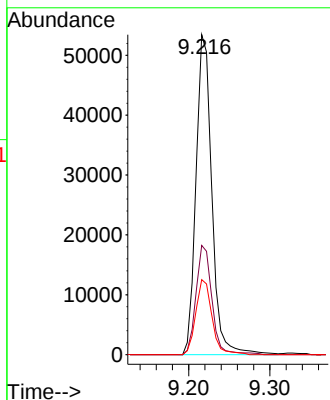
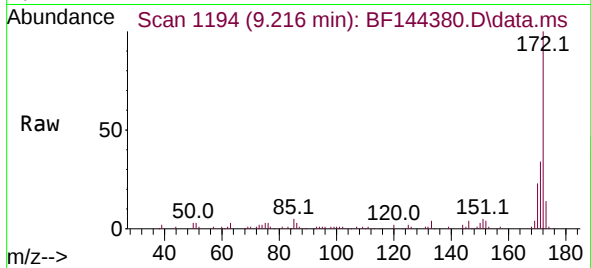




#45
 2-Fluorobiphenyl
 Concen: 10.148 ng
 RT: 9.216 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF144380.D
 Acq: 27 Nov 2025 00:44

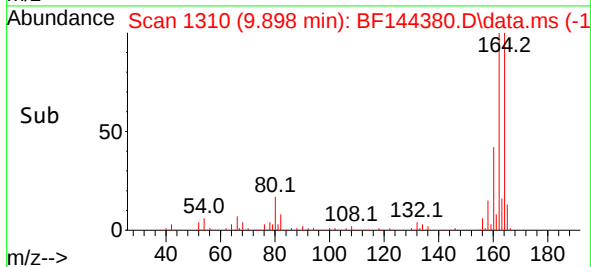
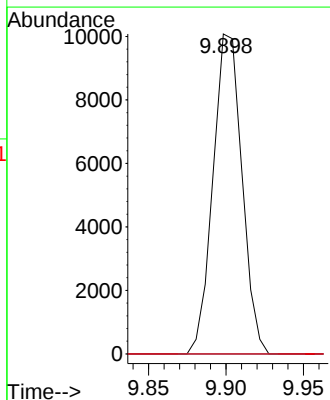
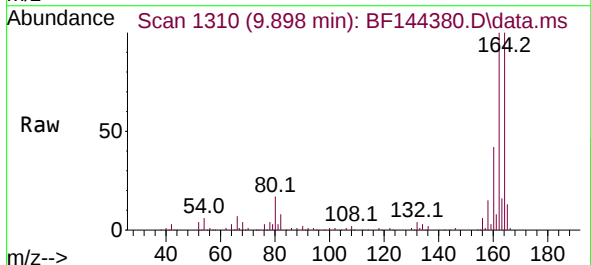
Instrument :
 BNA_F
 ClientSampleId :
 CC-1-112525

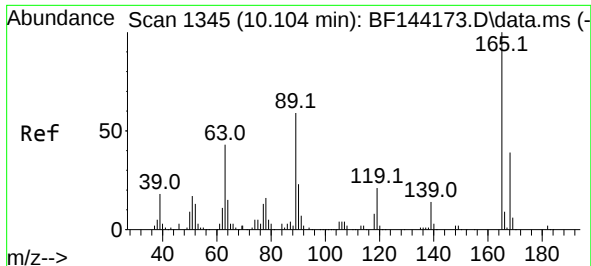
Tgt Ion:172 Resp: 72401
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.1 42.1
 170 23.4 18.6 28.0



#51
 2,6-Dinitrotoluene
 Concen: 9.287 ng
 RT: 9.898 min Scan# 1310
 Delta R.T. 0.206 min
 Lab File: BF144380.D
 Acq: 27 Nov 2025 00:44

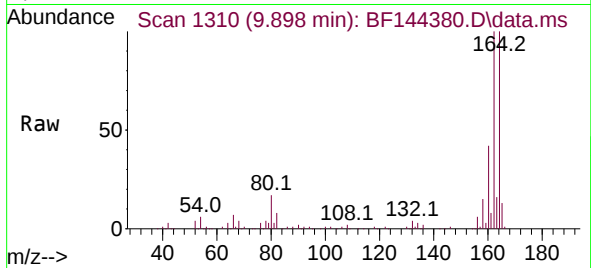
Tgt Ion:165 Resp: 13124
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 0.0 37.5 56.3#



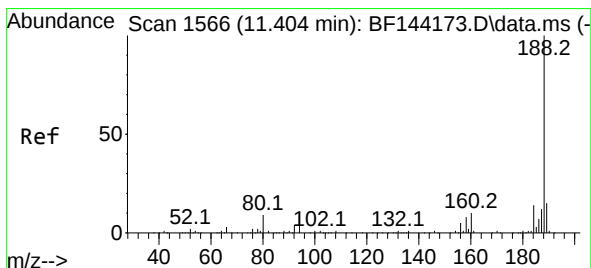
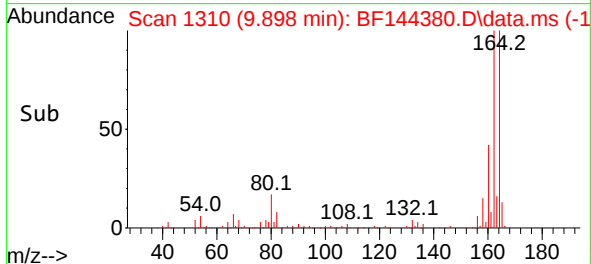
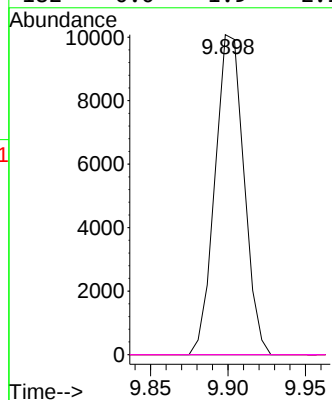


#57
2,4-Dinitrotoluene
Concen: 6.937 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :
BNA_F
ClientSampleId :
CC-1-112525

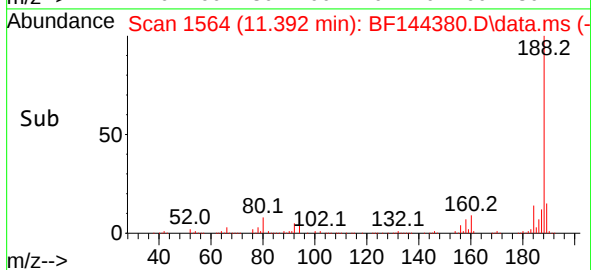
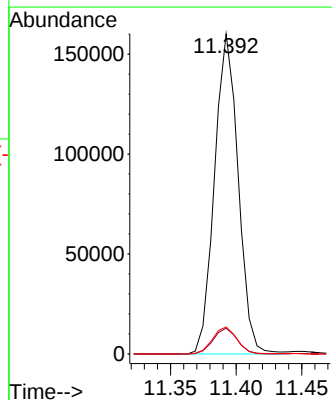
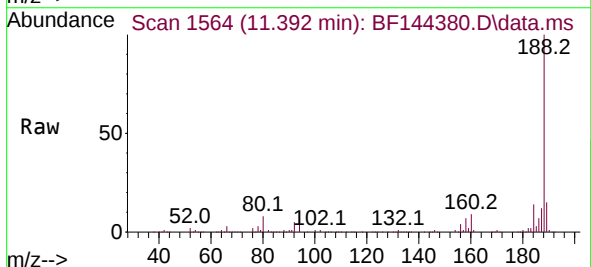


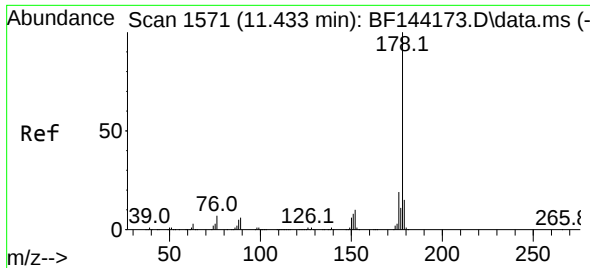
Tgt Ion:165 Resp: 13124
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:188 Resp: 201351
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.4 6.9 10.3

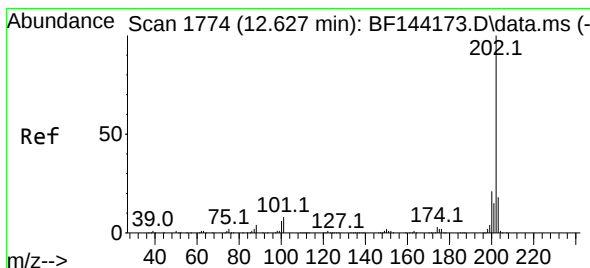
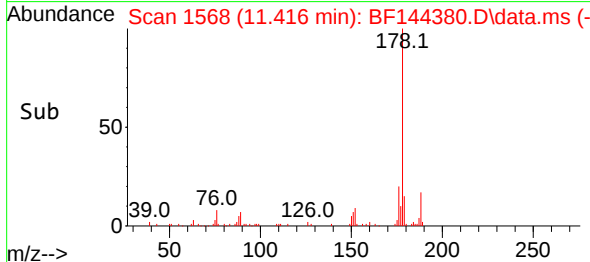
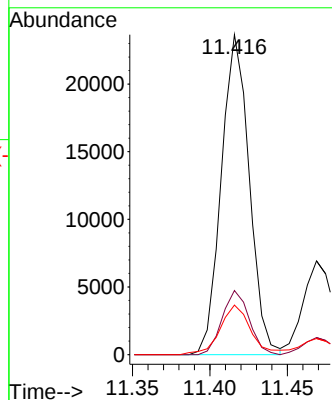
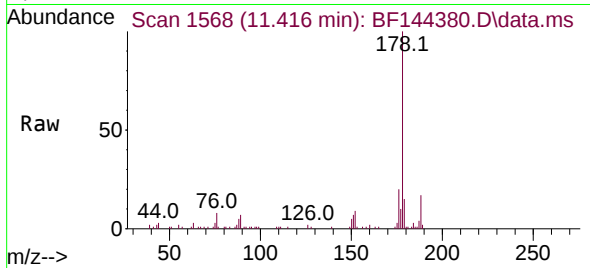




#71
Phenanthrene
Concen: 2.964 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

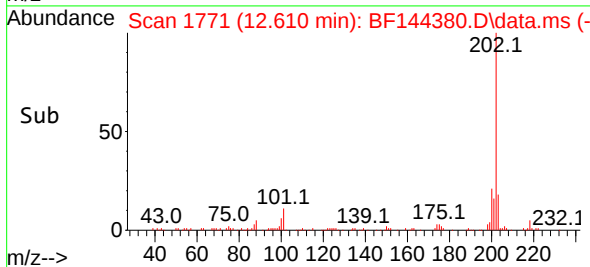
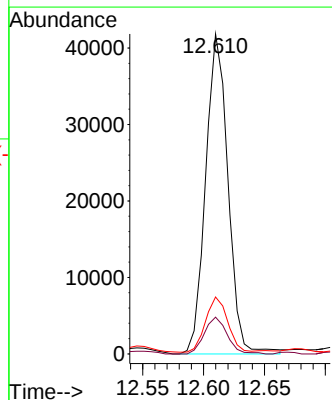
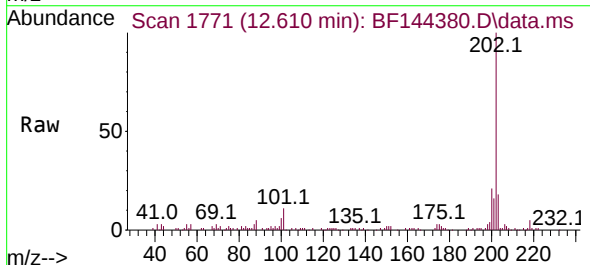
Instrument :
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CC-1-112525

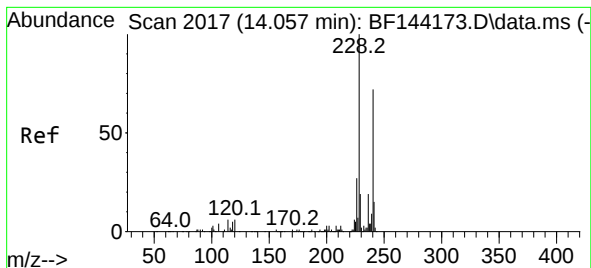
Tgt Ion:178	Resp:	29710
Ion Ratio	Lower	Upper
178	100	
176	20.0	15.5 23.3
179	15.5	12.2 18.4



#75
Fluoranthene
Concen: 5.175 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:202	Resp:	53593
Ion Ratio	Lower	Upper
202	100	
101	11.5	0.0 27.9
203	17.8	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: BF144380.D

Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

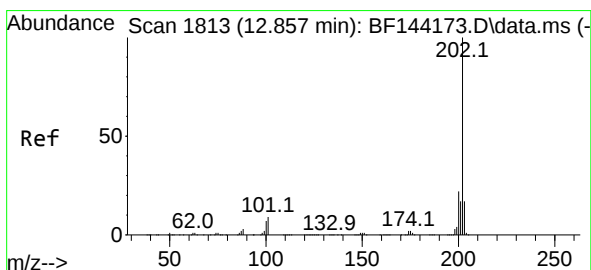
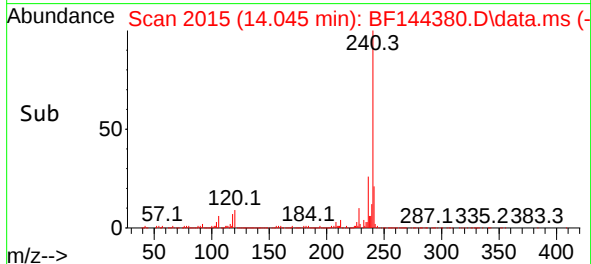
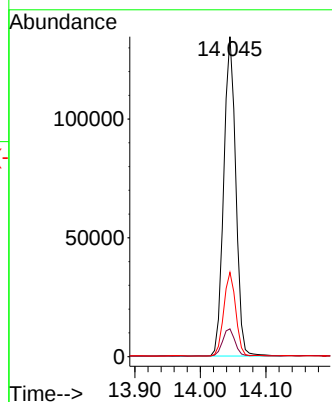
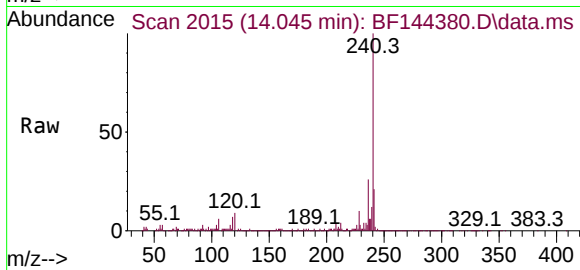
Tgt Ion:240 Resp: 172261

Ion Ratio Lower Upper

240 100

120 8.7 6.6 10.0

236 26.3 21.4 32.2



#78

Pyrene

Concen: 5.326 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

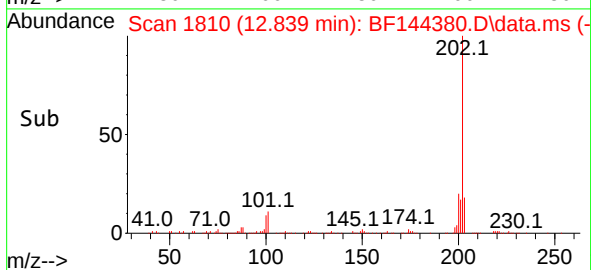
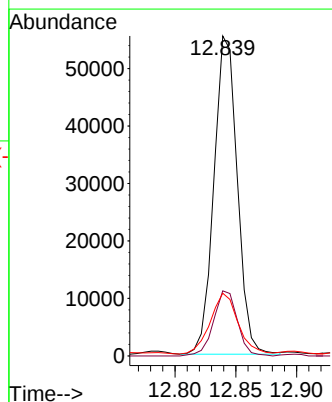
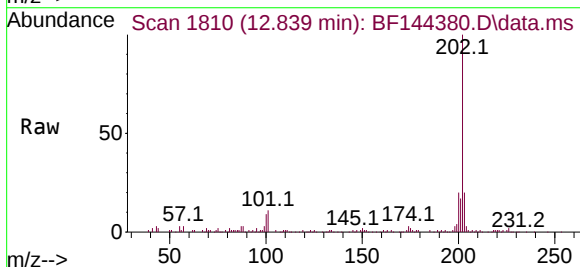
Tgt Ion:202 Resp: 73969

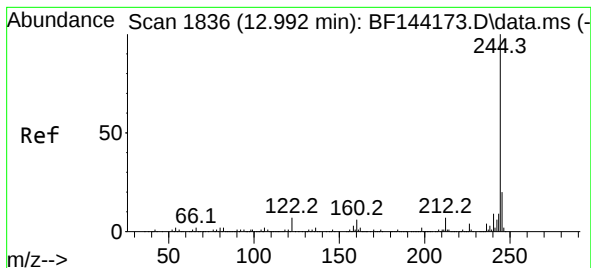
Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

203 19.6 13.7 20.5





#79

Terphenyl-d14

Concen: 8.885 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

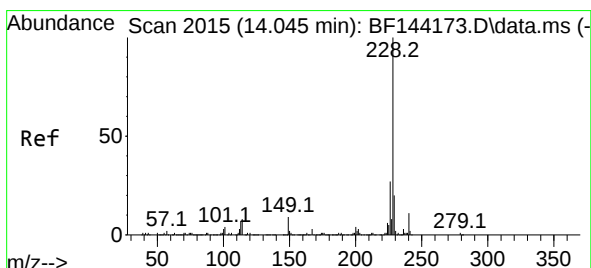
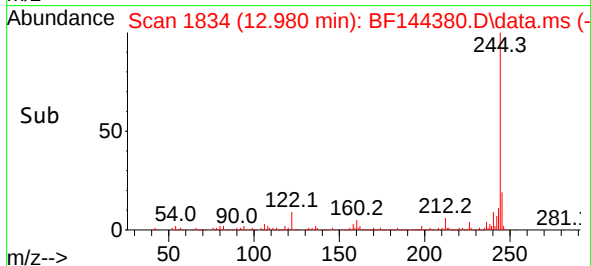
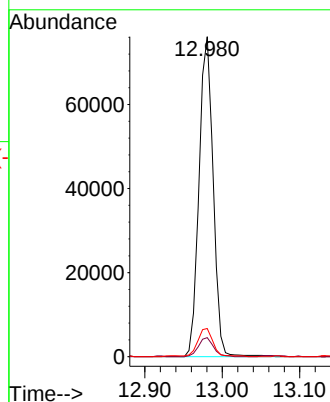
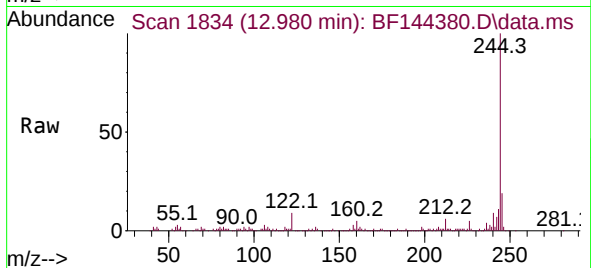
Tgt Ion:244 Resp: 96360

Ion Ratio Lower Upper

244 100

212 5.9 5.3 7.9

122 8.8 5.6 8.4#



#81

Benzo(a)anthracene

Concen: 2.836 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

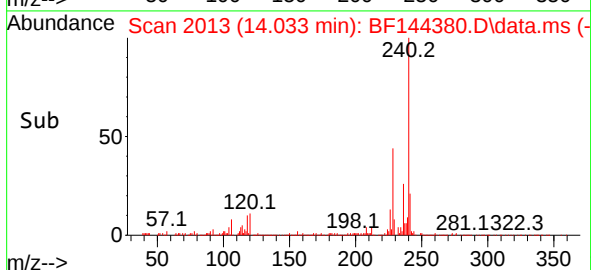
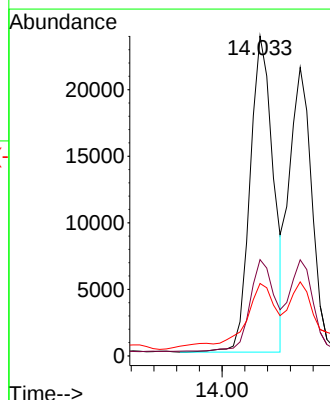
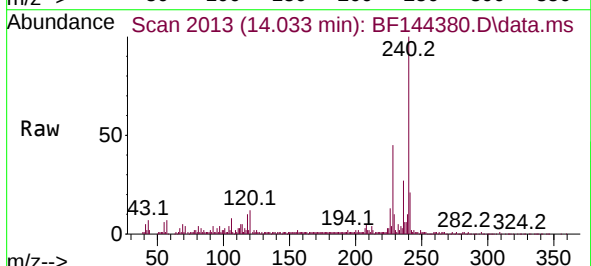
Tgt Ion:228 Resp: 33854

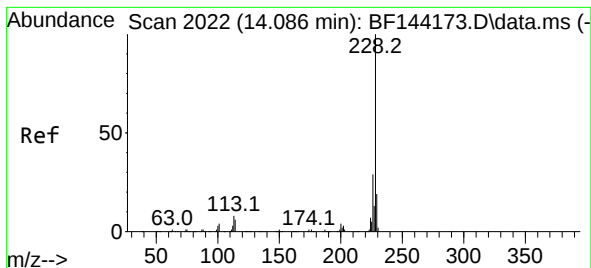
Ion Ratio Lower Upper

228 100

226 30.1 21.8 32.8

229 22.6 15.8 23.6





#83

Chrysene

Concen: 2.670 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

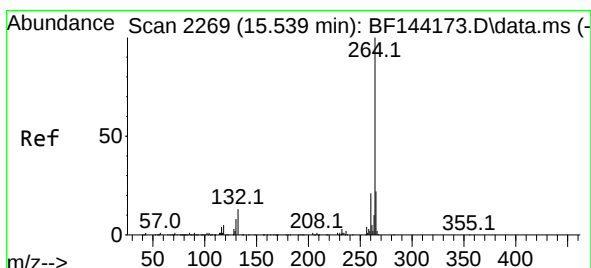
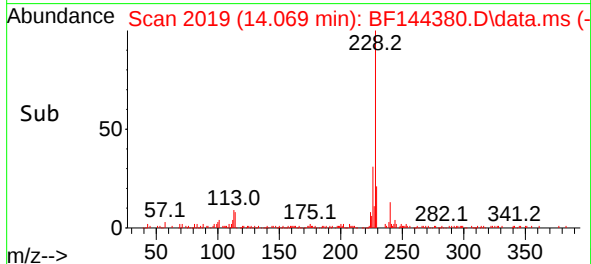
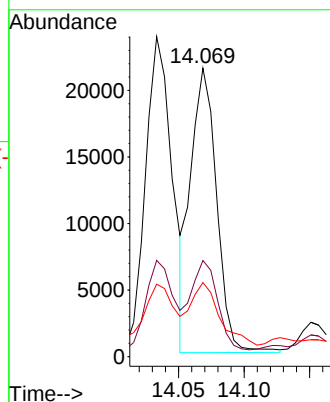
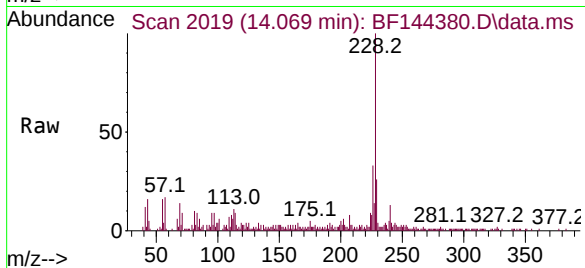
Tgt Ion:228 Resp: 29429

Ion Ratio Lower Upper

228 100

226 33.3 22.9 34.3

229 25.6 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: BF144380.D

Acq: 27 Nov 2025 00:44

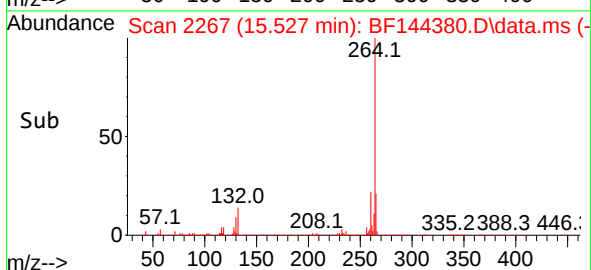
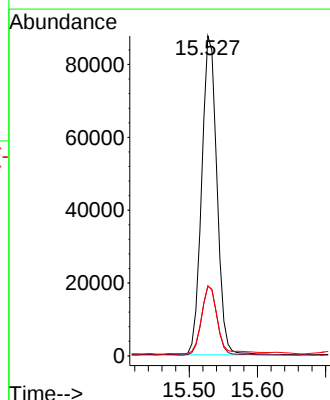
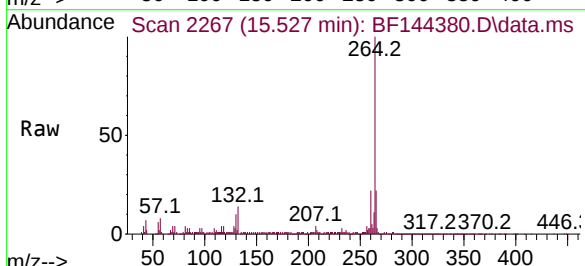
Tgt Ion:264 Resp: 136084

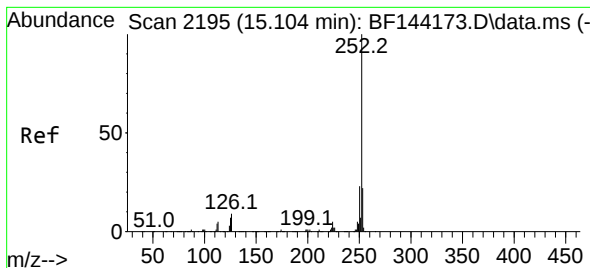
Ion Ratio Lower Upper

264 100

260 21.9 17.1 25.7

265 21.8 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.929 ng

RT: 15.098 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

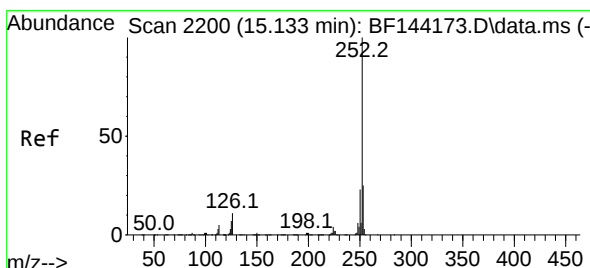
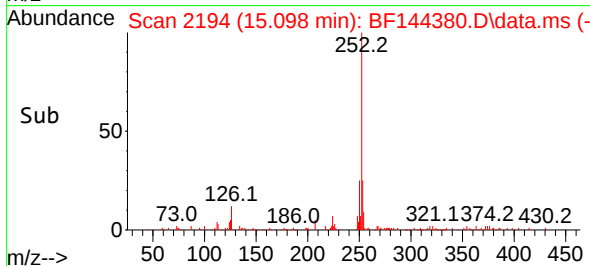
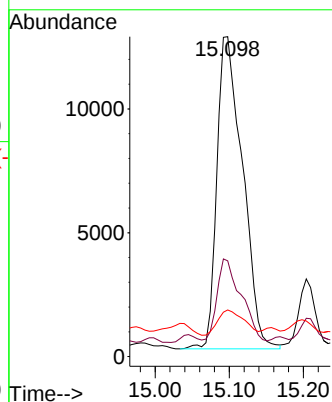
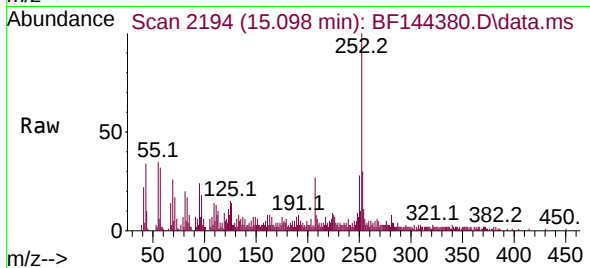
Tgt Ion:252 Resp: 30394

Ion Ratio Lower Upper

252 100

253 29.9 17.4 26.2#

125 14.6 5.3 7.9#



#89

Benzo(k)fluoranthene

Concen: 4.197 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF144380.D

Acq: 27 Nov 2025 00:44

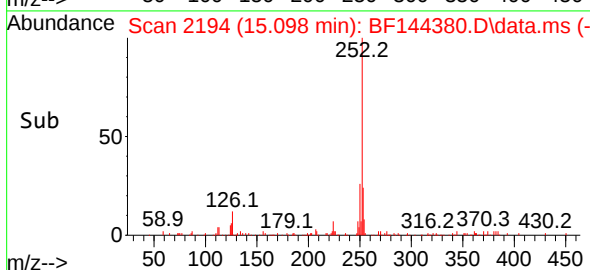
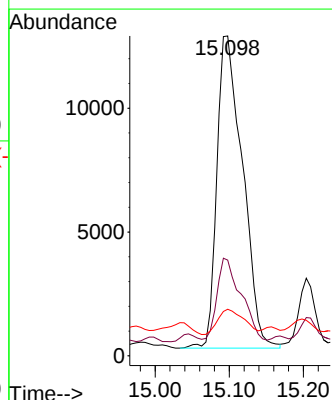
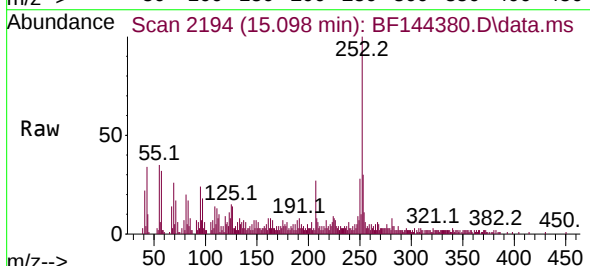
Tgt Ion:252 Resp: 30394

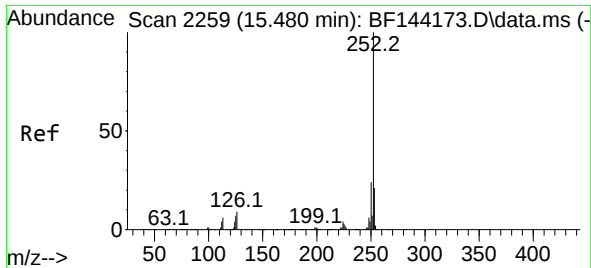
Ion Ratio Lower Upper

252 100

253 29.9 18.0 27.0#

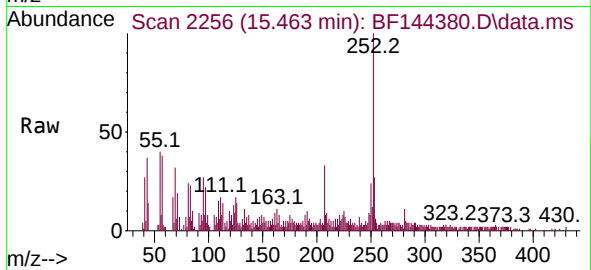
125 14.6 5.4 8.2#





#90
Benzo(a)pyrene
Concen: 2.491 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :
BNA_F
ClientSampleId :
CC-1-112525



Tgt Ion:252 Resp: 17781
Ion Ratio Lower Upper
252 100
253 27.1 16.7 25.1#
125 16.6 5.7 8.5#

