

Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142063.D
 Acq On : 24 Mar 2025 19:23
 Operator : RC/JU
 Sample : Q1624-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 21:19:48 2025
 Quant Method : T:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

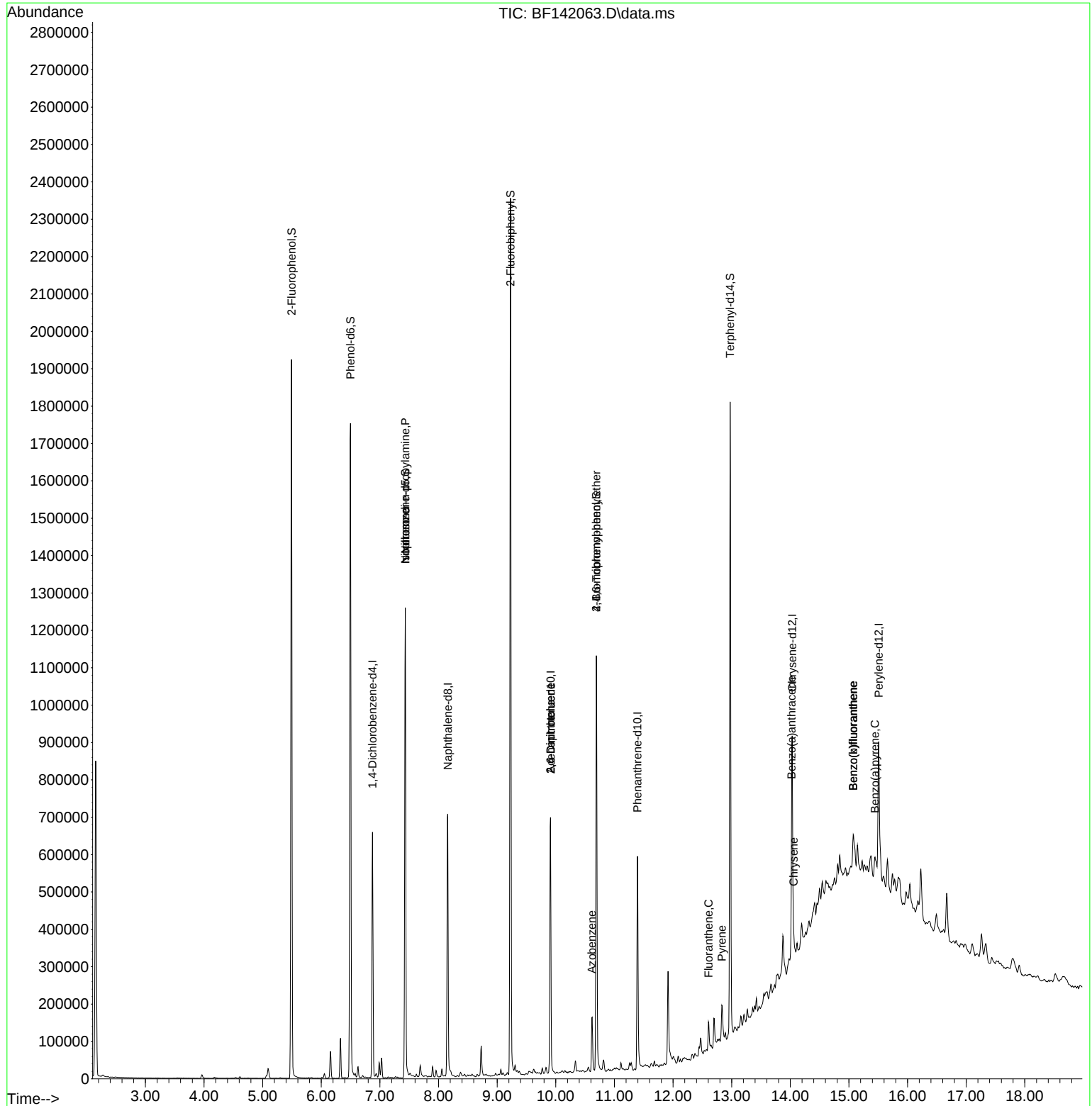
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	139970	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	489266	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	215415	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	305457	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	290499	20.000	ng	0.00
86) Perylene-d12	15.510	264	230138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	759051	90.507	ng	0.00
7) Phenol-d6	6.498	99	879624	82.377	ng	0.00
23) Nitrobenzene-d5	7.434	82	576416	66.300	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	210652	77.082	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1034634	73.044	ng	-0.01
79) Terphenyl-d14	12.974	244	864264	43.986	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	78596	11.455	ng	# 76
25) Isophorone	7.434	82	562873	36.626	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	27936	8.894	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	28017	6.830	ng	# 25
63) Azobenzene	10.616	77	39028	2.791	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	13258	3.456	ng	# 1
75) Fluoranthene	12.604	202	45083	2.576	ng	97
78) Pyrene	12.833	202	55288	2.200	ng	98
81) Benzo(a)anthracene	14.021	228	42248	2.216	ng	# 77
83) Chrysene	14.057	228	37322	2.160	ng	# 82
88) Benzo(b)fluoranthene	15.074	252	61090	3.873	ng	# 70
89) Benzo(k)fluoranthene	15.074	252	61090	4.526	ng	# 71
90) Benzo(a)pyrene	15.445	252	30292	2.454	ng	# 73

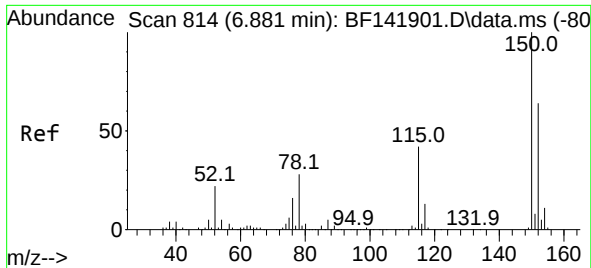
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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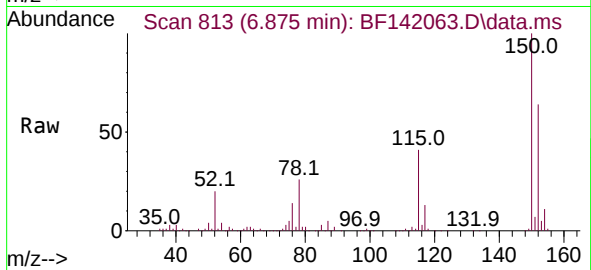
Quant Time: Mar 24 21:19:48 2025
Quant Method : T:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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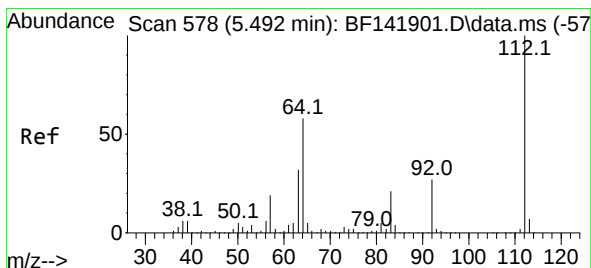
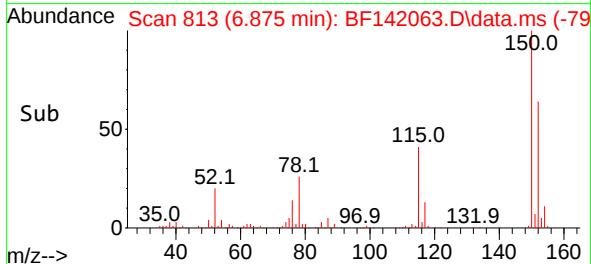
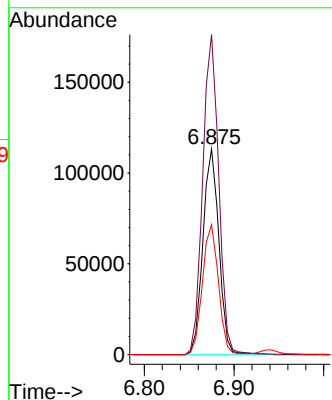


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Instrument :
BNA_F
ClientSampleId :

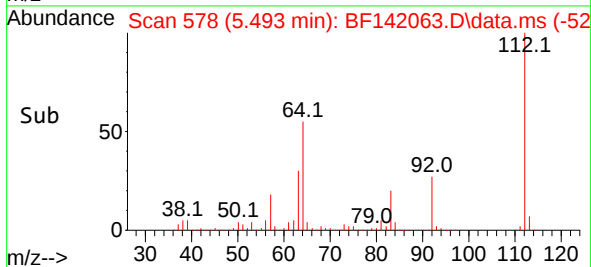
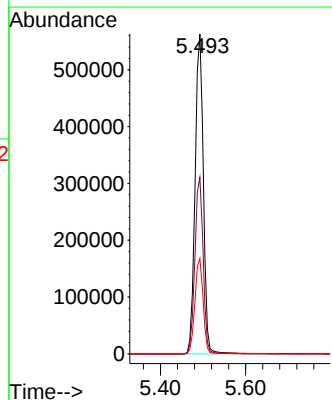
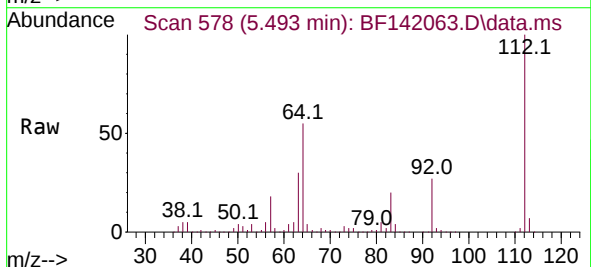


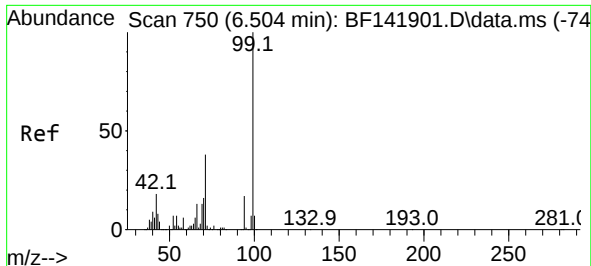
Tgt Ion:152 Resp: 139970
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 63.2 51.9 77.9



#5
2-Fluorophenol
Concen: 90.507 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion:112 Resp: 759051
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 29.8 25.4 38.2

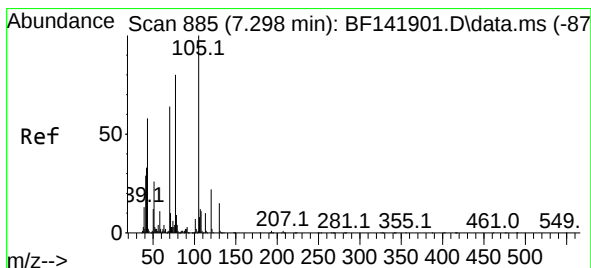
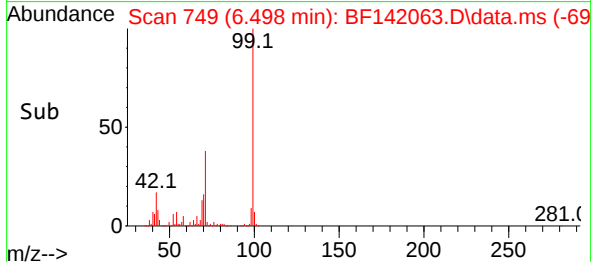
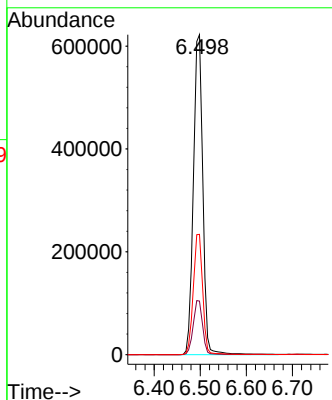
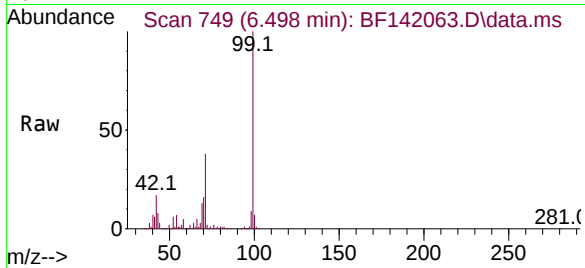




#7
Phenol-d6
Concen: 82.377 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

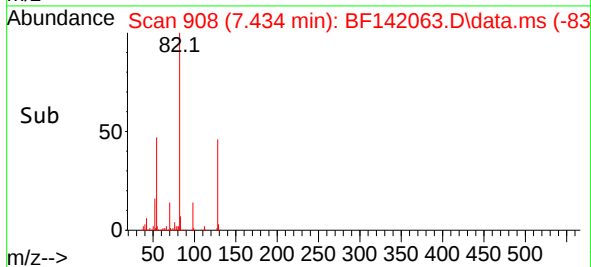
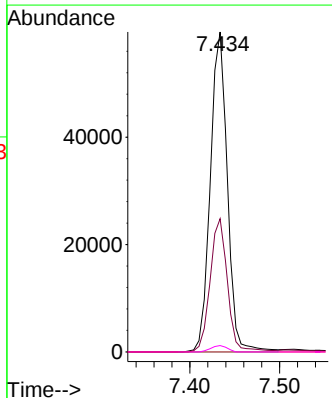
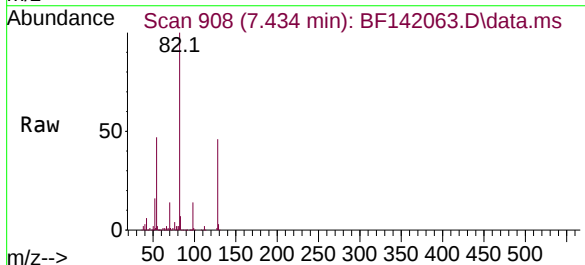
Instrument :
BNA_F
ClientSampleId :

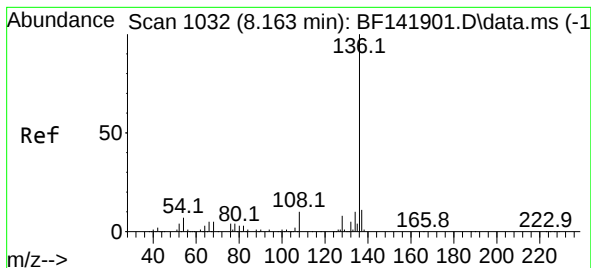
Tgt Ion: 99 Resp: 879624
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 37.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.455 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion: 70 Resp: 78596
Ion Ratio Lower Upper
70 100
42 41.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 10

Delta R.T. -0.006 min

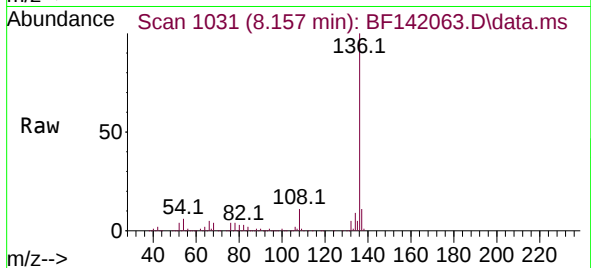
Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 489266

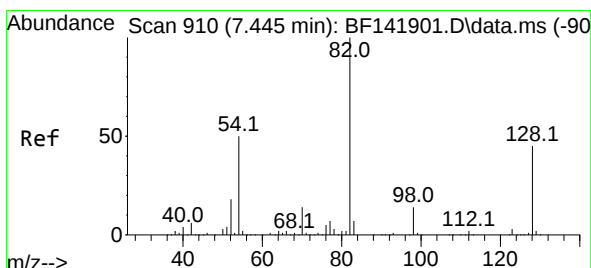
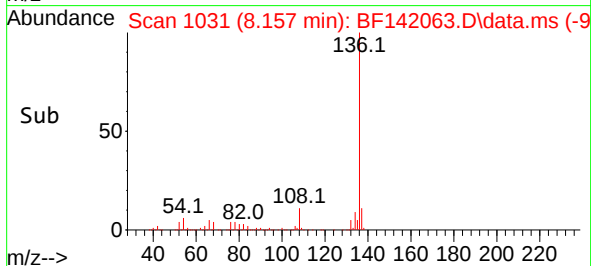
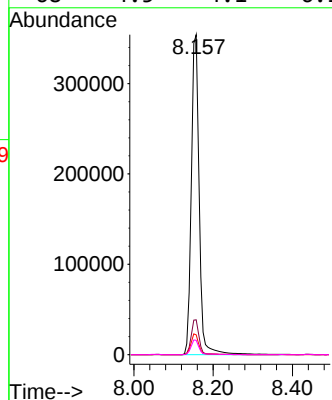
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.2 5.8 8.8

68 4.5 4.1 6.1



#23

Nitrobenzene-d5

Concen: 66.300 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

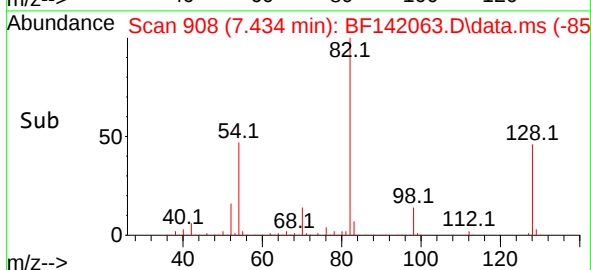
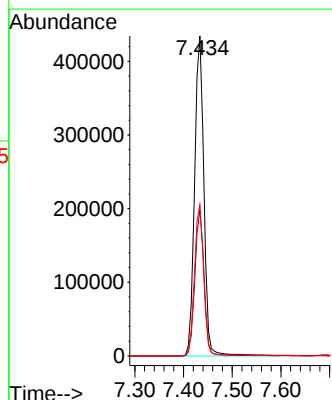
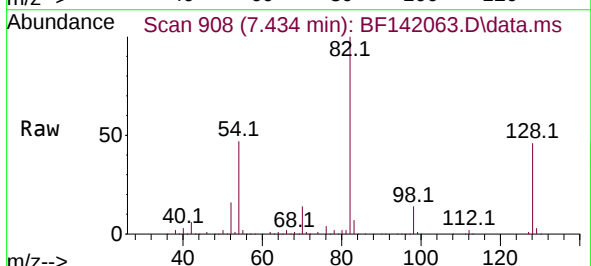
Tgt Ion: 82 Resp: 576416

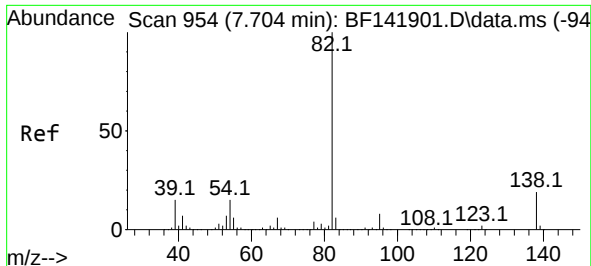
Ion Ratio Lower Upper

82 100

128 45.7 36.0 54.0

54 47.3 39.6 59.4

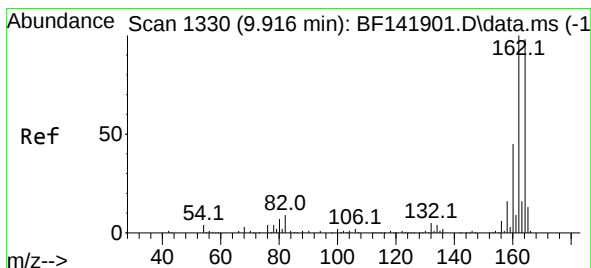
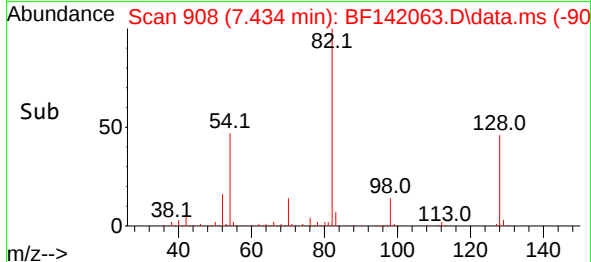
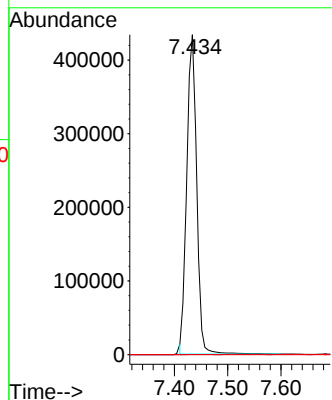
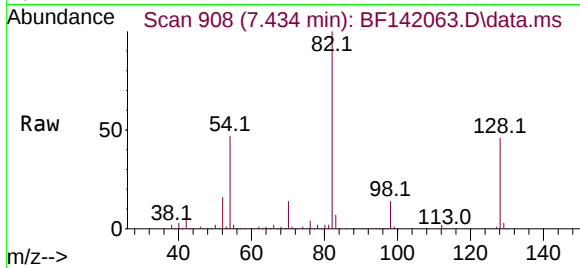




#25
Isophorone
Concen: 36.626 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

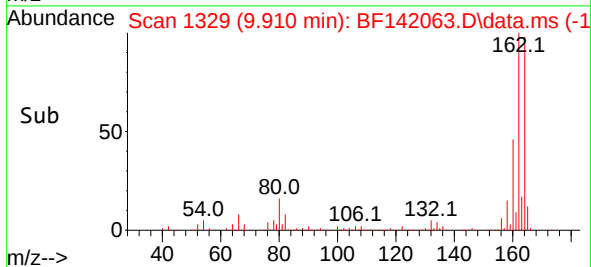
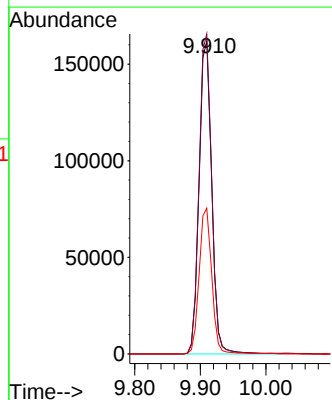
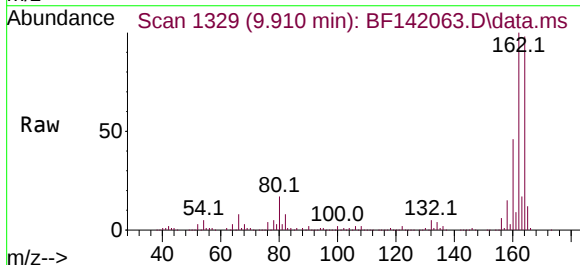
Instrument :
BNA_F
ClientSampleId :

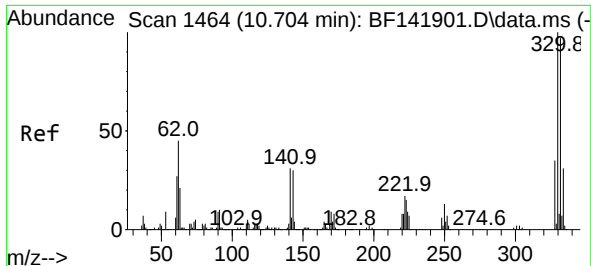
Tgt Ion: 82 Resp: 562873
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion:164 Resp: 215415
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 46.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 77.082 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

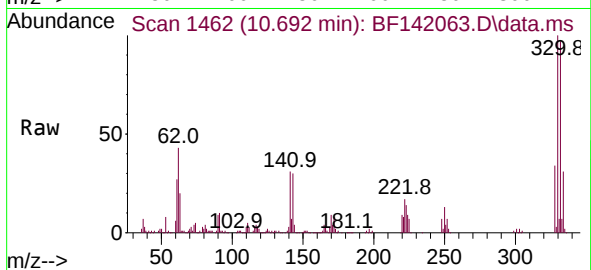
Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :



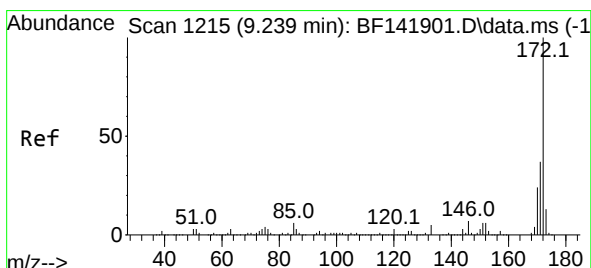
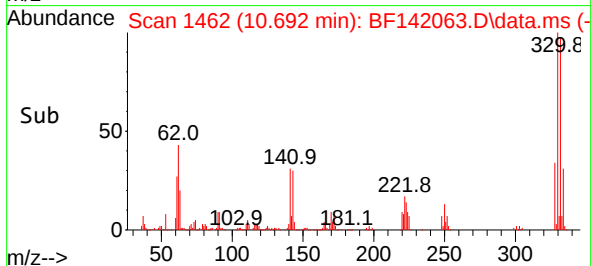
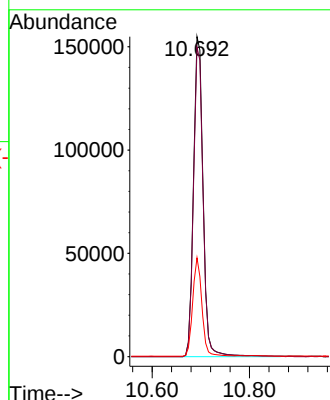
Tgt Ion:330 Resp: 210652

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 29.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 73.044 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

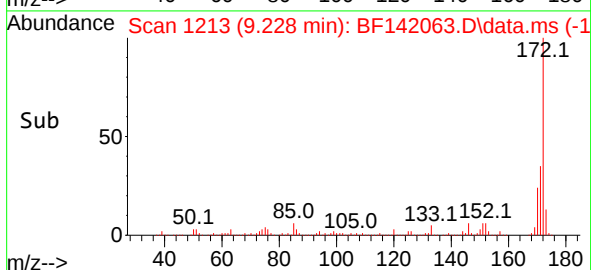
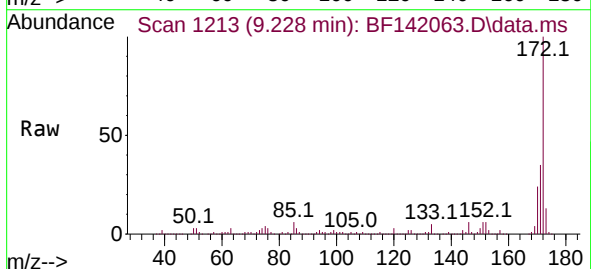
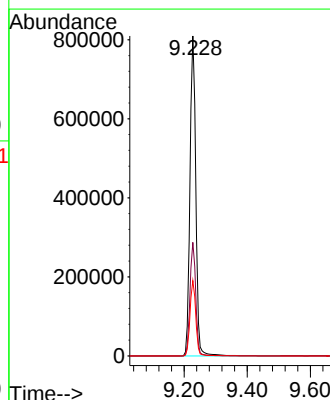
Tgt Ion:172 Resp: 1034634

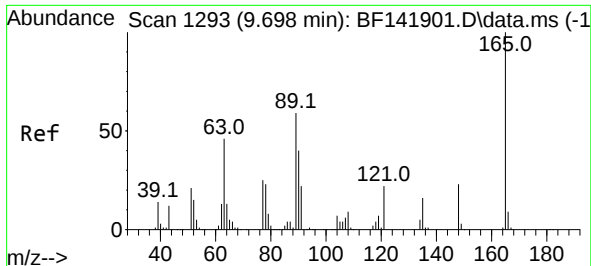
Ion Ratio Lower Upper

172 100

171 35.5 29.3 43.9

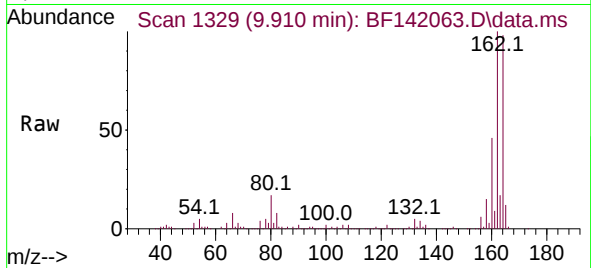
170 23.5 19.4 29.0



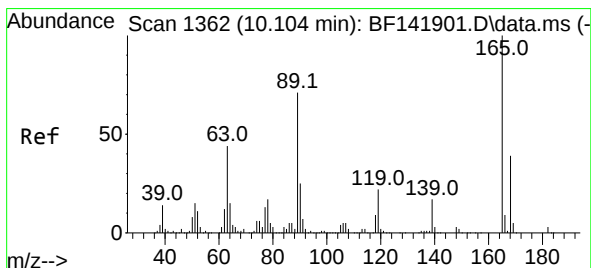
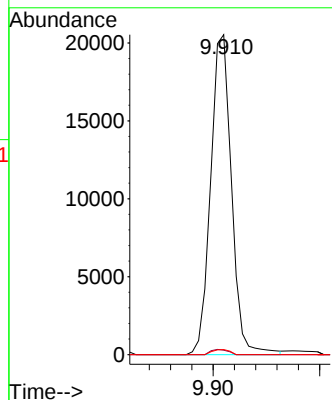
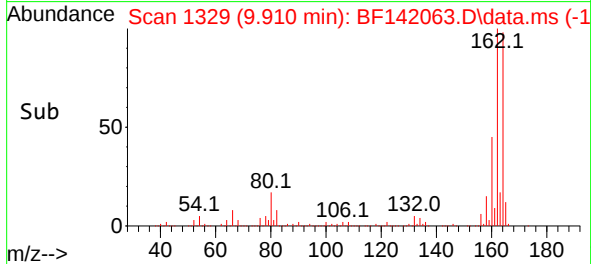


#51
2,6-Dinitrotoluene
Concen: 8.894 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

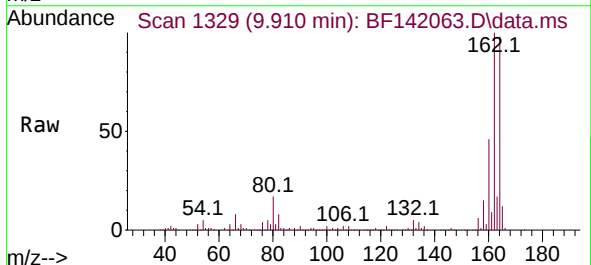
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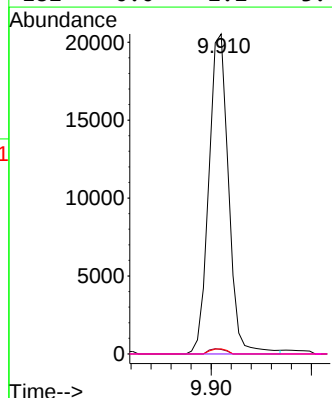
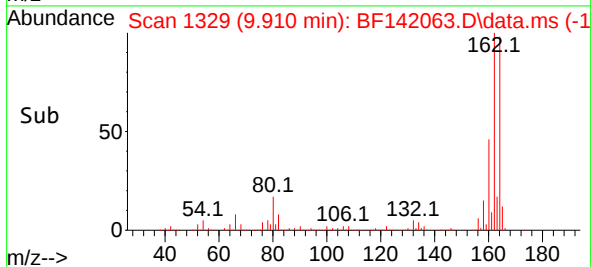
Tgt Ion:165 Resp: 27936
Ion Ratio Lower Upper
165 100
63 1.4 47.0 70.4#
89 1.6 47.4 71.2#

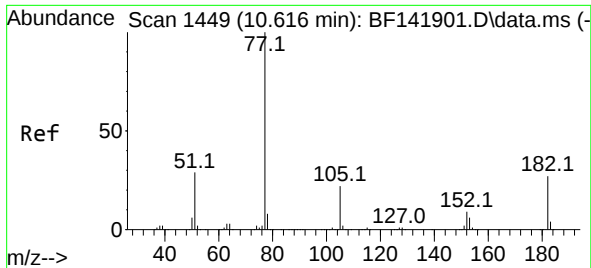


#57
2,4-Dinitrotoluene
Concen: 6.830 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23



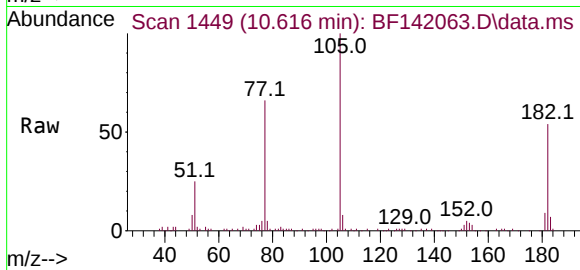
Tgt Ion:165 Resp: 28017
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.2#
89 1.6 56.6 84.8#
182 0.0 2.2 3.4#



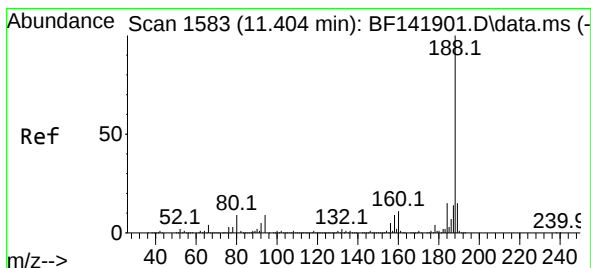
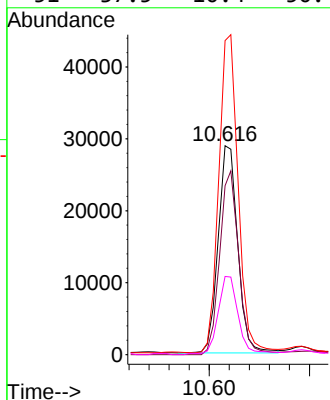
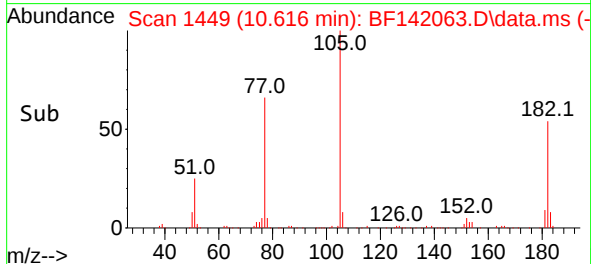


#63
Azobenzene
Concen: 2.791 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Instrument :
BNA_F
ClientSampleId :

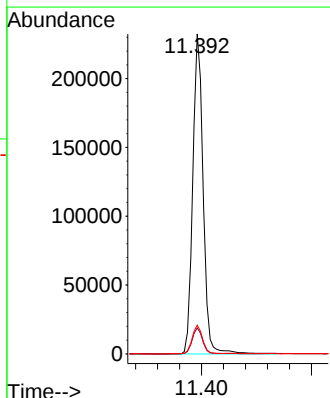
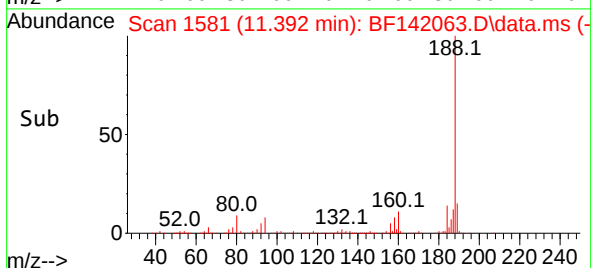
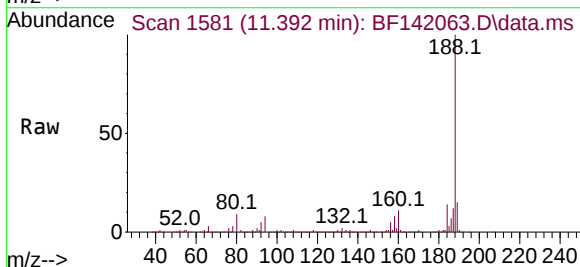


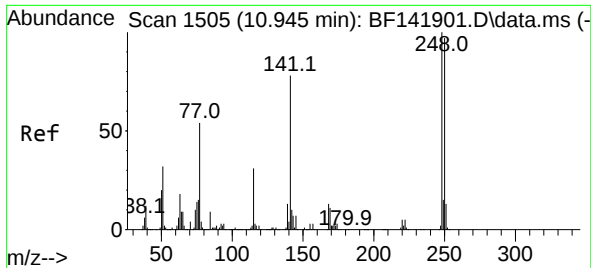
Tgt Ion: 77 Resp: 39028
Ion Ratio Lower Upper
77 100
182 80.9 6.6 46.6#
105 150.4 1.3 41.3#
51 37.5 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion: 188 Resp: 305457
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.0 7.6 11.4

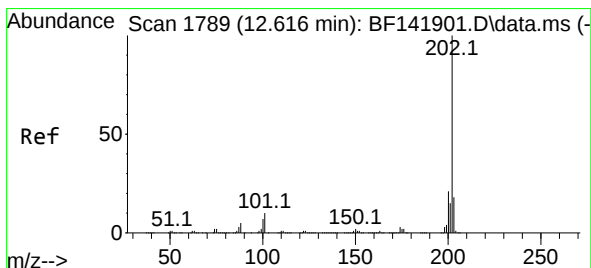
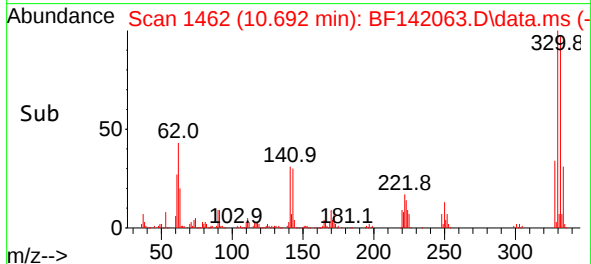
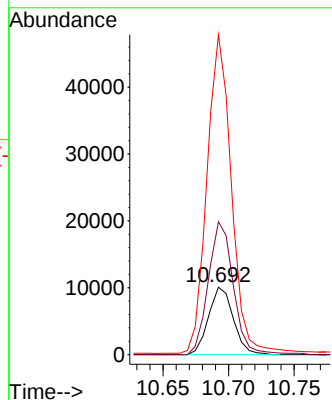
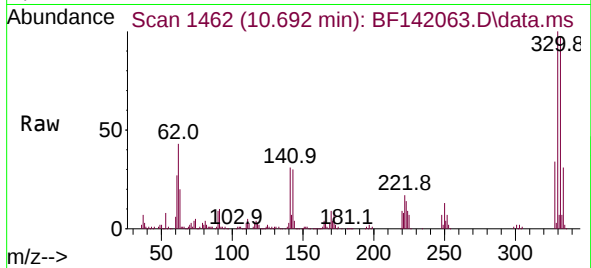




#67
4-Bromophenyl-phenylether
Concen: 3.456 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

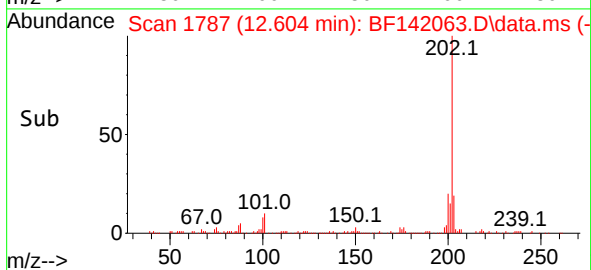
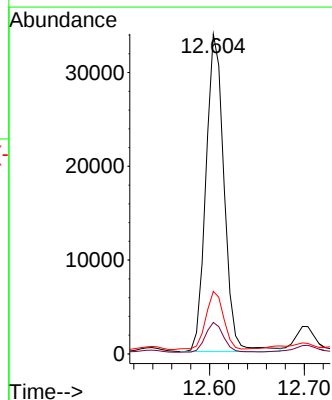
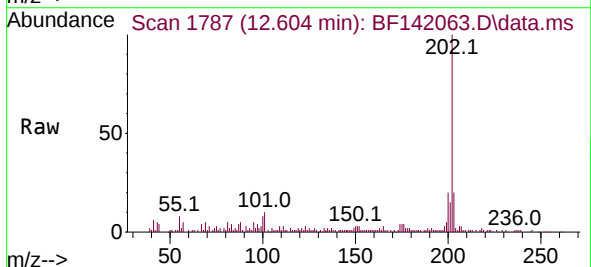
Instrument :
BNA_F
ClientSampleId :

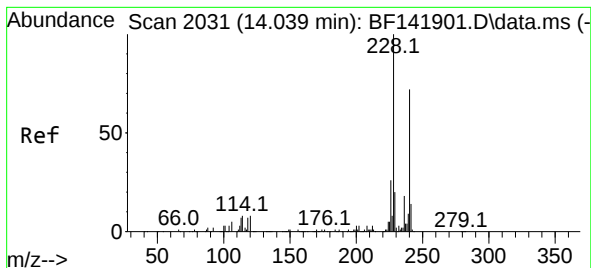
Tgt Ion:248 Resp: 13258
Ion Ratio Lower Upper
248 100
250 196.9 77.8 116.8#
141 474.3 62.6 93.8#



#75
Fluoranthene
Concen: 2.576 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion:202 Resp: 45083
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 19.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

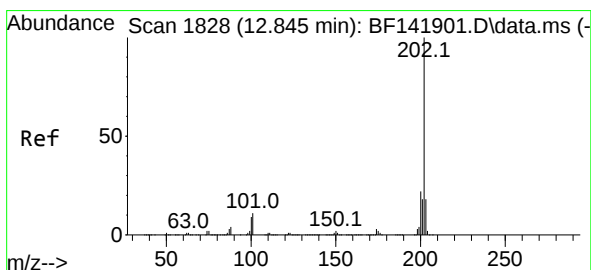
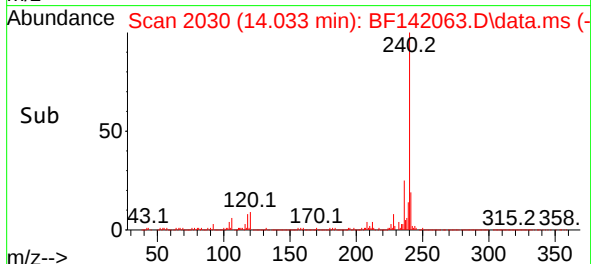
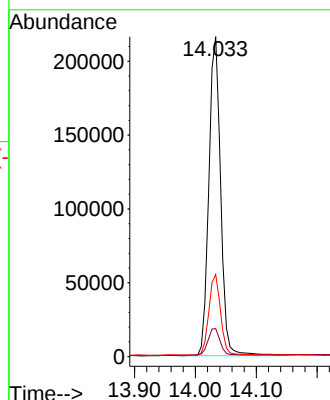
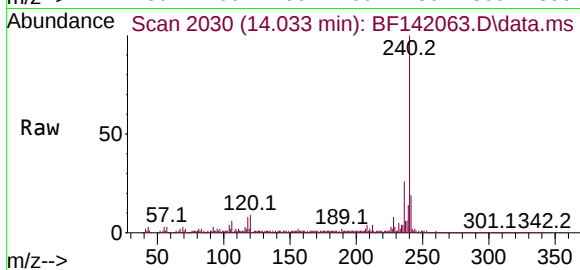
Tgt Ion:240 Resp: 290499

Ion Ratio Lower Upper

240 100

120 8.7 8.4 12.6

236 25.6 20.5 30.7



#78

Pyrene

Concen: 2.200 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

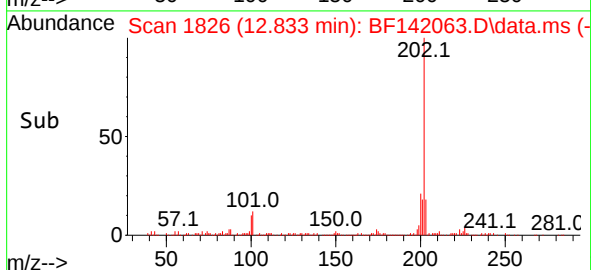
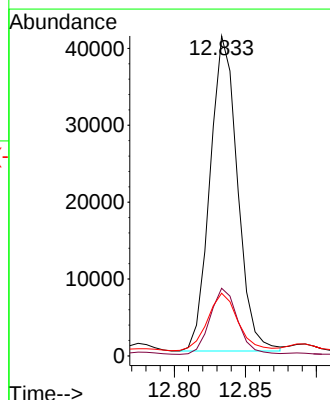
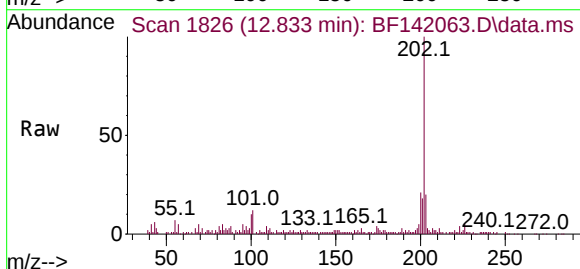
Tgt Ion:202 Resp: 55288

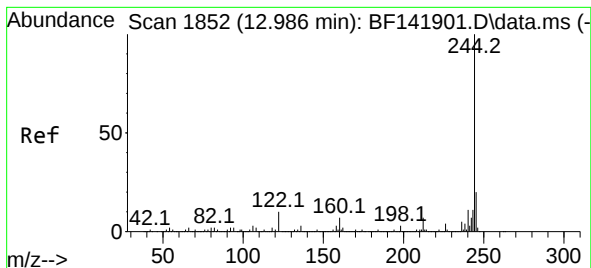
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 19.6 14.4 21.6





#79

Terphenyl-d14

Concen: 43.986 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

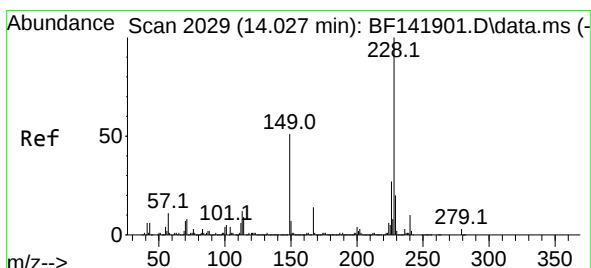
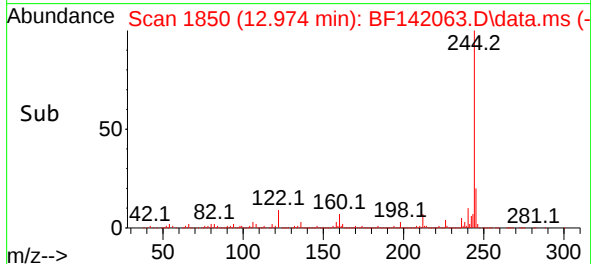
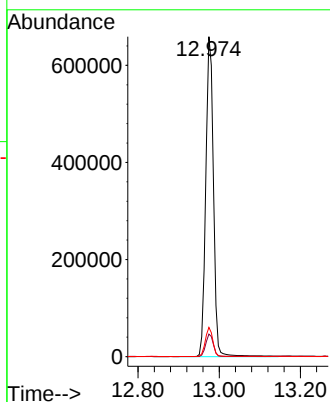
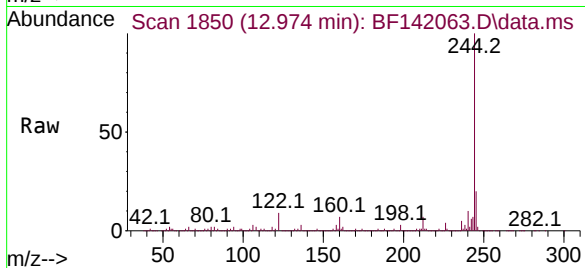
Tgt Ion:244 Resp: 864264

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.1 7.7 11.5



#81

Benzo(a)anthracene

Concen: 2.216 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

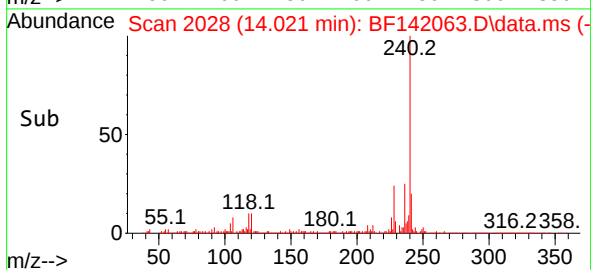
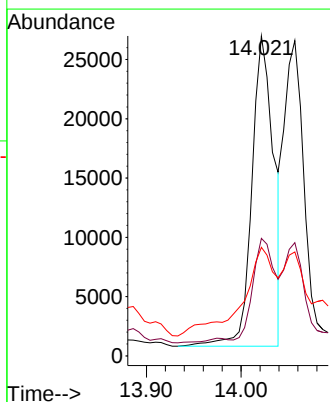
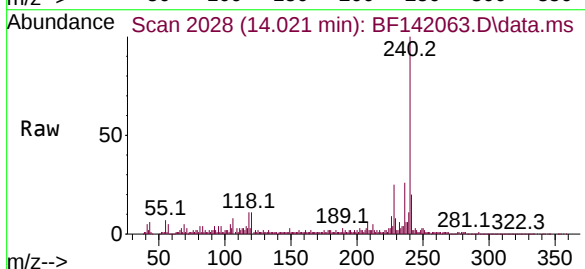
Tgt Ion:228 Resp: 42248

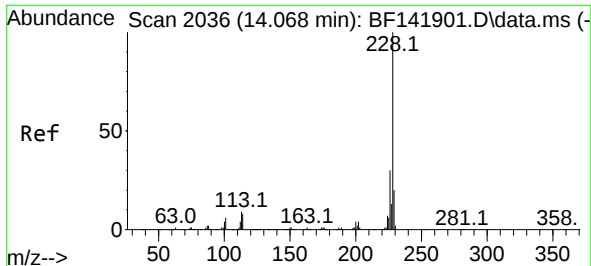
Ion Ratio Lower Upper

228 100

226 36.7 21.8 32.8#

229 33.9 16.0 24.0#

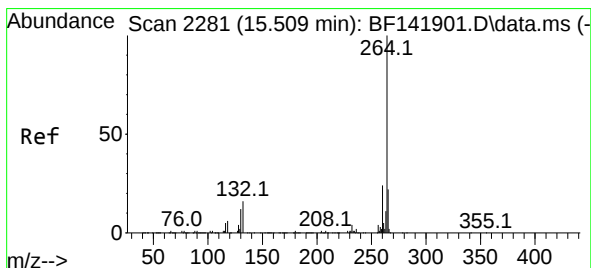
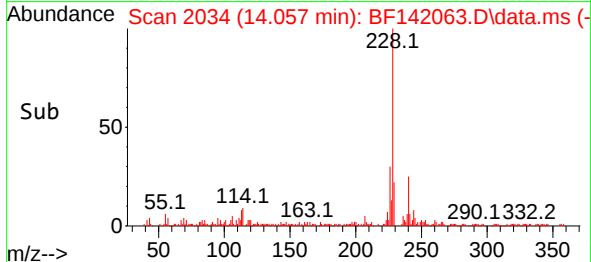
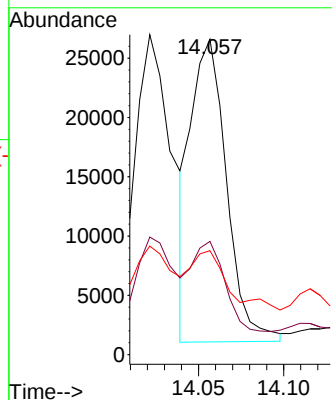
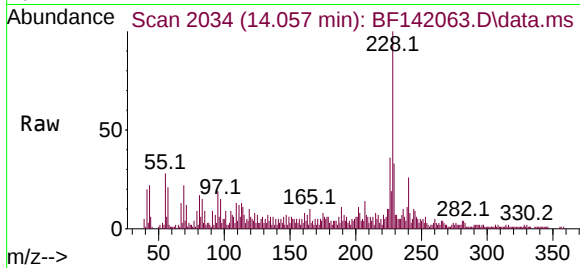




#83
Chrysene
Concen: 2.160 ng
RT: 14.057 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

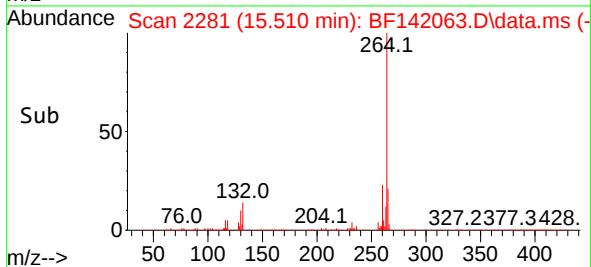
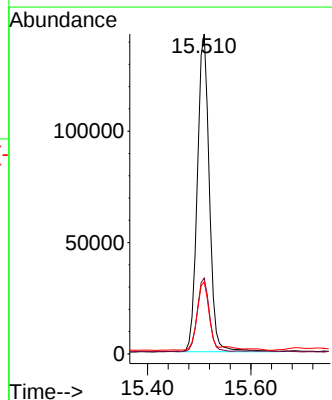
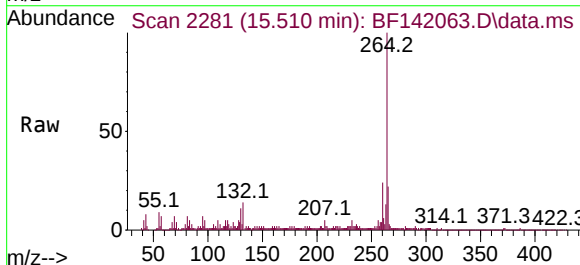
Instrument :
BNA_F
ClientSampleId :

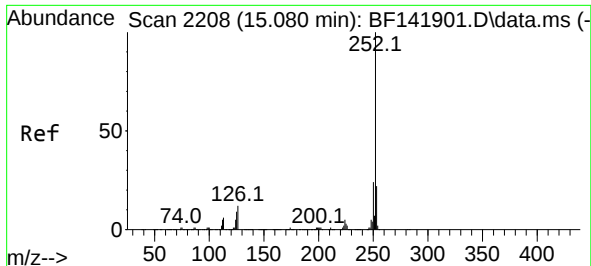
Tgt Ion:228 Resp: 37322
Ion Ratio Lower Upper
228 100
226 35.9 24.1 36.1
229 33.0 15.7 23.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion:264 Resp: 230138
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 22.5 17.5 26.3

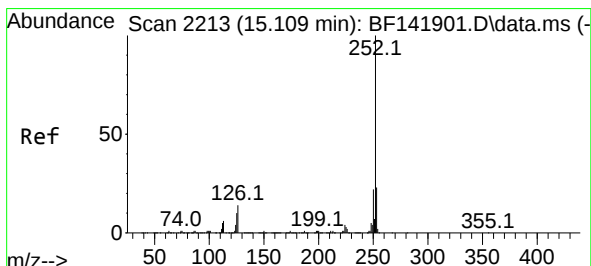
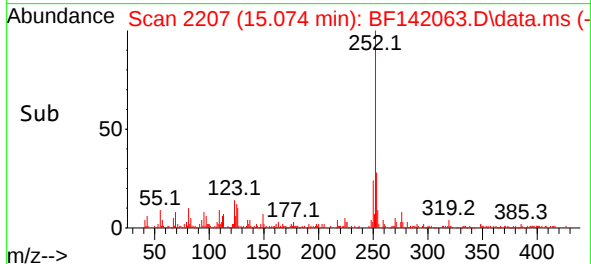
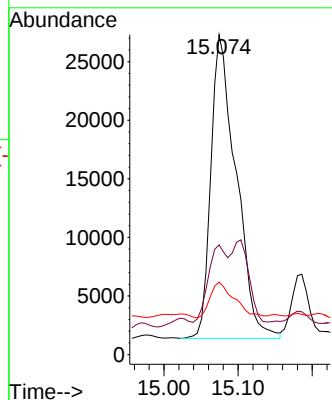
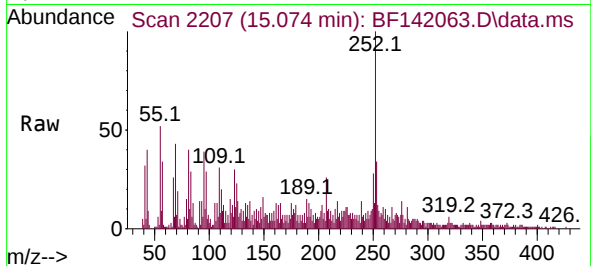




#88
Benzo(b)fluoranthene
Concen: 3.873 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

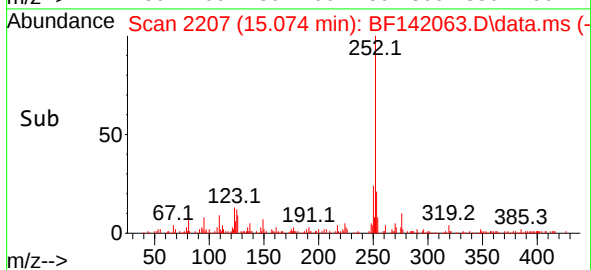
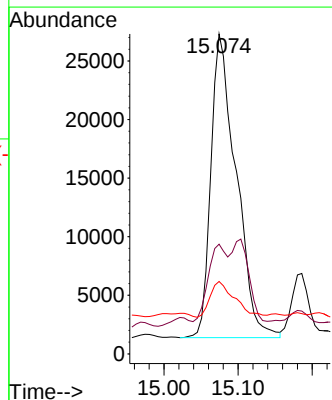
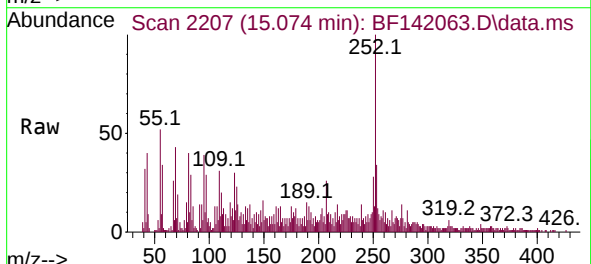
Instrument :
BNA_F
ClientSampleId :

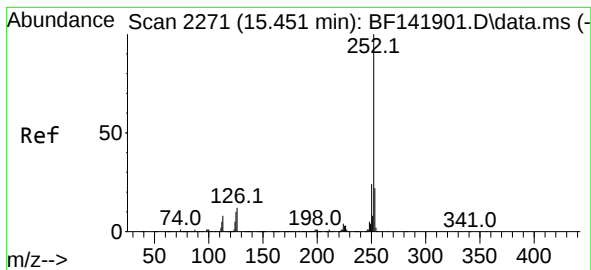
Tgt Ion:252 Resp: 61090
Ion Ratio Lower Upper
252 100
253 34.3 17.5 26.3#
125 22.6 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 4.526 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.035 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion:252 Resp: 61090
Ion Ratio Lower Upper
252 100
253 34.3 17.7 26.5#
125 22.6 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.454 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

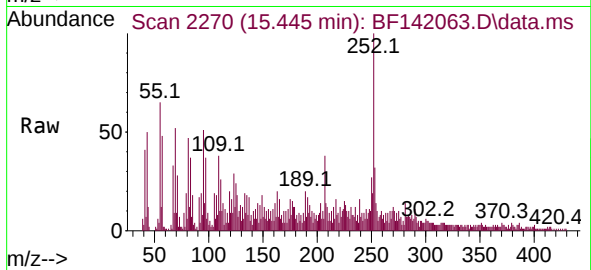
Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 30292

Ion Ratio Lower Upper

252 100

253 32.5 17.4 26.0#

125 23.8 7.8 11.8#

