

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142178.D
 Acq On : 31 Mar 2025 13:51
 Operator : RC/JU
 Sample : PB167233TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167233TB

Quant Time: Mar 31 14:09:01 2025
 Quant Method : Z:\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)

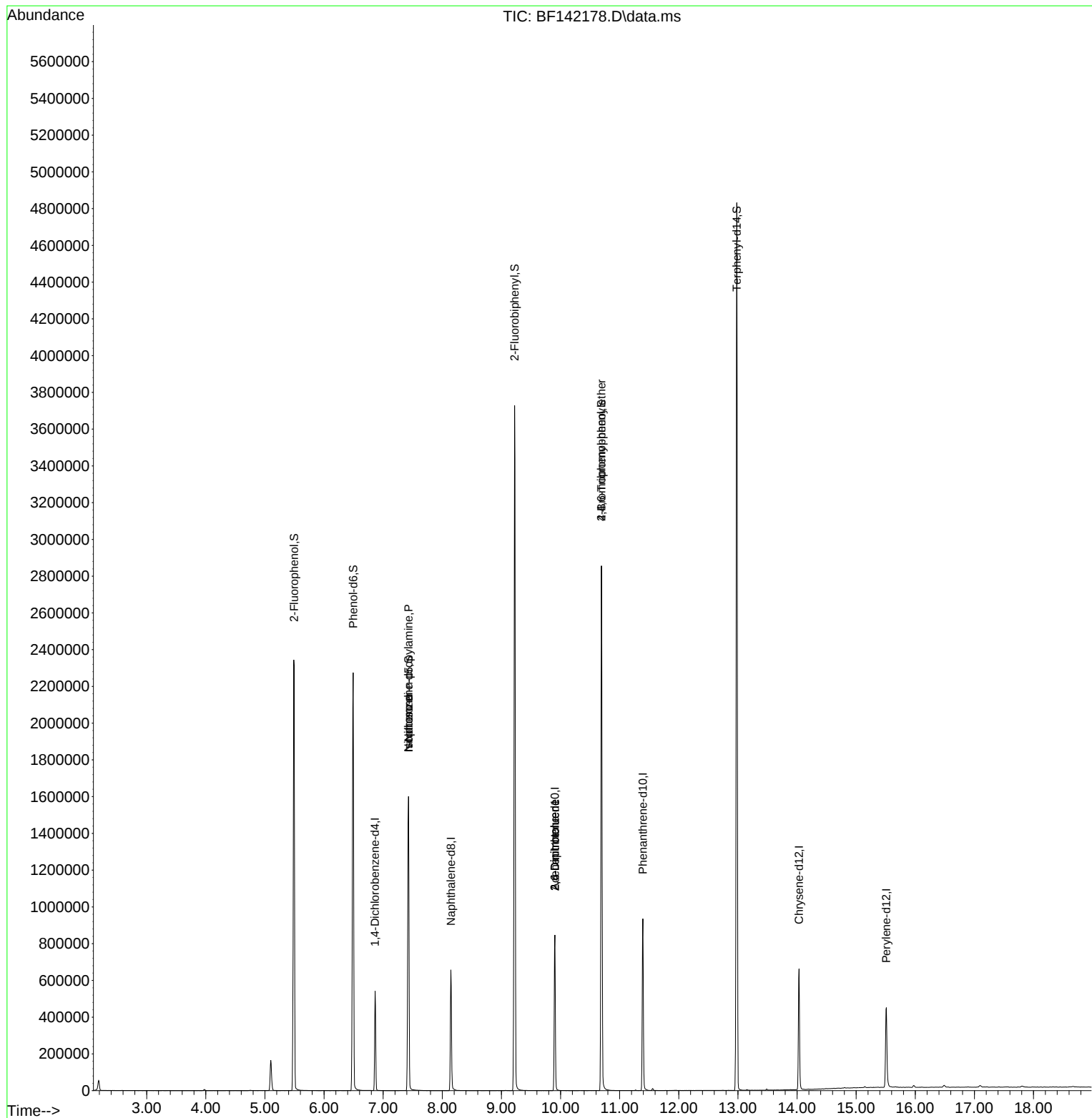
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	117776	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	458702	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	268873	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	518036	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	348724	20.000	ng	0.00
86) Perylene-d12	15.510	264	288611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	976573	138.386	ng	0.00
7) Phenol-d6	6.493	99	1194368	132.930	ng	-0.01
23) Nitrobenzene-d5	7.428	82	790827	97.023	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	573624	168.168	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1739979	98.417	ng	-0.02
79) Terphenyl-d14	12.980	244	2476925	105.012	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	108960	18.873	ng	# 76
25) Isophorone	7.428	82	779266	54.085	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	33867	8.639	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	33868	6.614	ng	# 24
67) 4-Bromophenyl-phenylether	10.692	248	35470	5.452	ng	# 1

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

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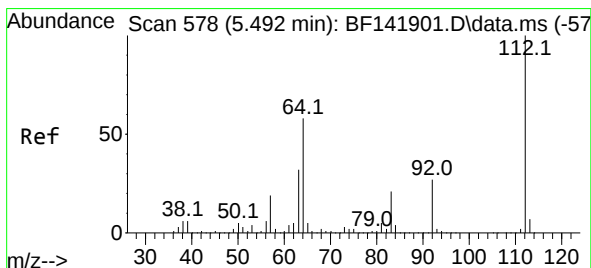
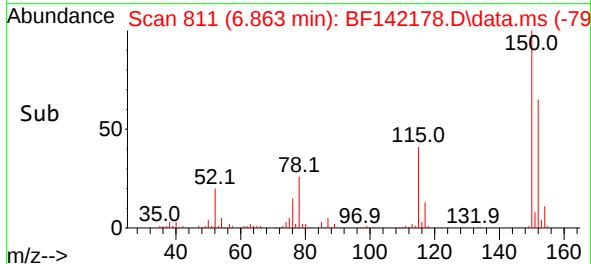
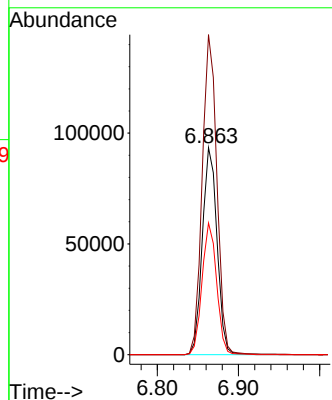
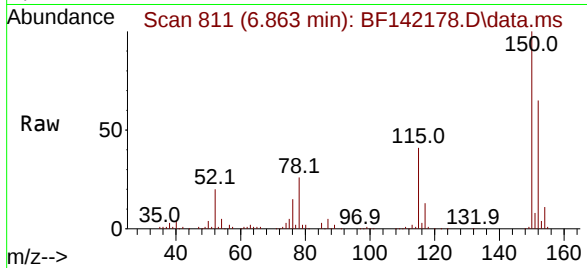




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

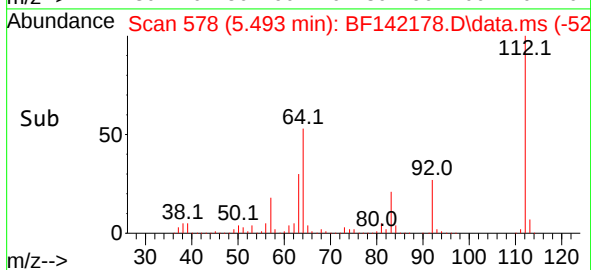
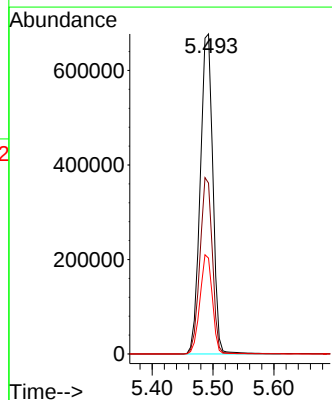
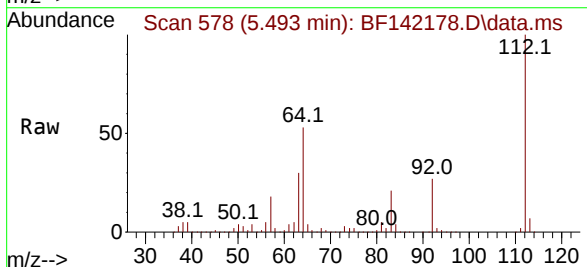
Instrument :
BNA_F
ClientSampleId :
PB167233TB

Tgt Ion:152 Resp: 117776
Ion Ratio Lower Upper
152 100
150 154.5 127.4 191.2
115 63.6 51.9 77.9



#5
2-Fluorophenol
Concen: 138.386 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

Tgt Ion:112 Resp: 976573
Ion Ratio Lower Upper
112 100
64 53.4 46.5 69.7
63 30.0 25.4 38.2

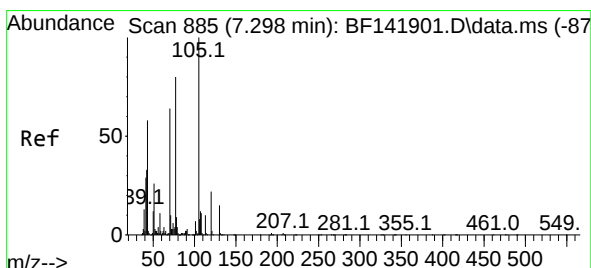
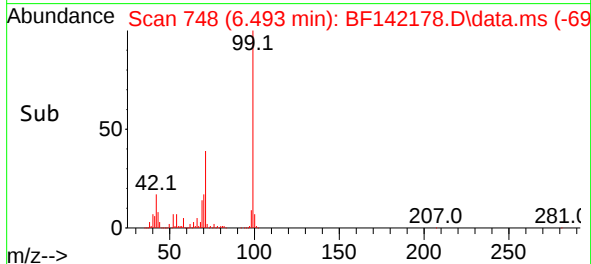
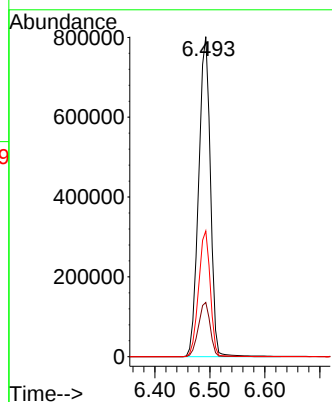
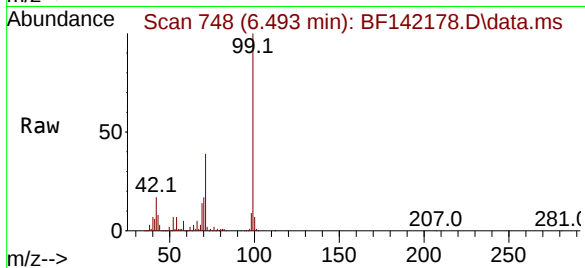




#7
Phenol-d6
Concen: 132.930 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

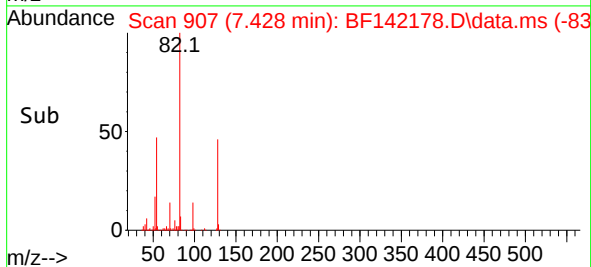
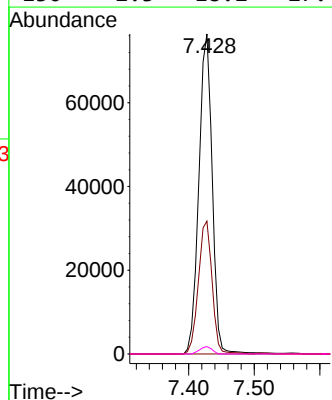
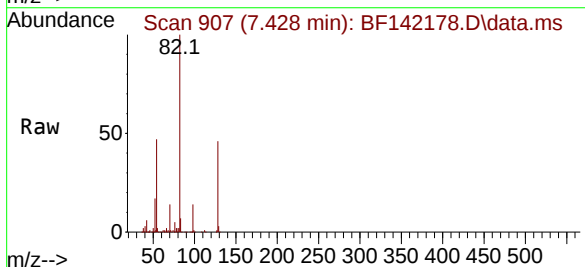
Instrument :
BNA_F
ClientSampleId :
PB167233TB

Tgt Ion: 99 Resp: 1194368
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 39.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.873 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 70 Resp: 108960
Ion Ratio Lower Upper
70 100
42 41.5 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#



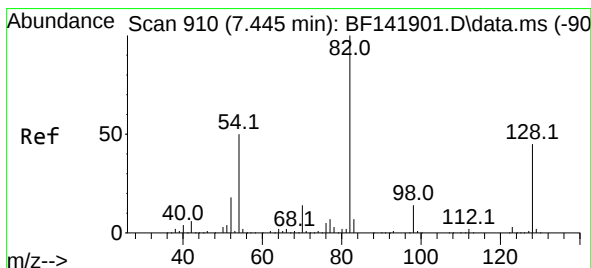
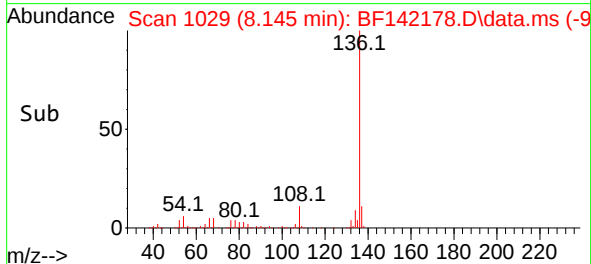
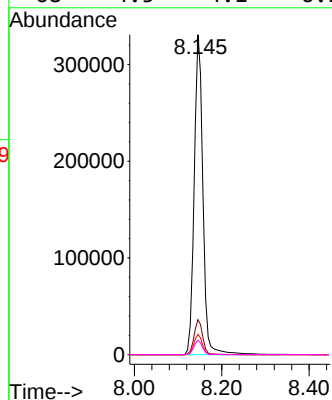
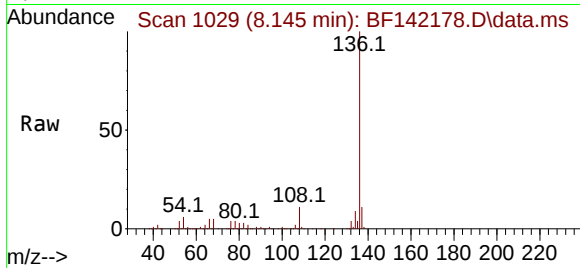


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

Instrument :
BNA_F
ClientSampleId :
PB167233TB

Tgt Ion:136 Resp: 458702

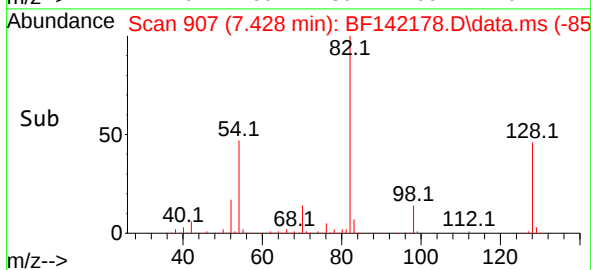
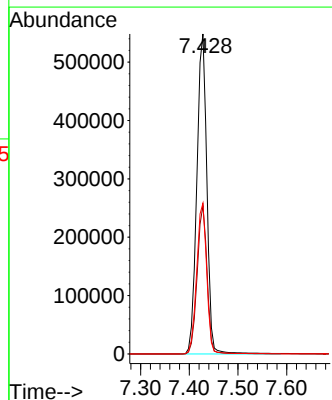
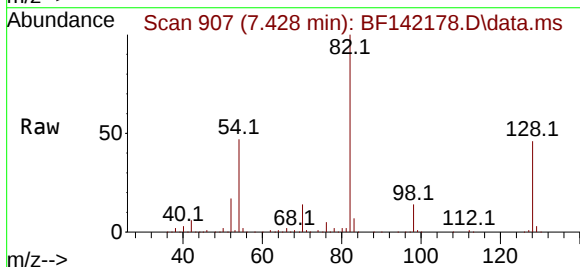
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.4	5.8	8.8
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 97.023 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 82 Resp: 790827

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.0	54.0
54	47.0	39.6	59.4

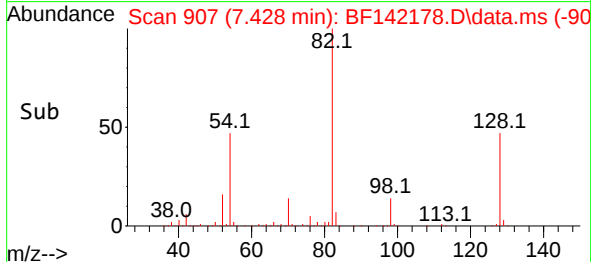
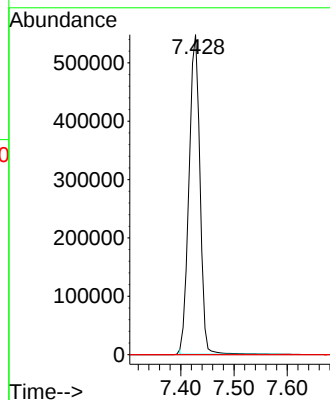
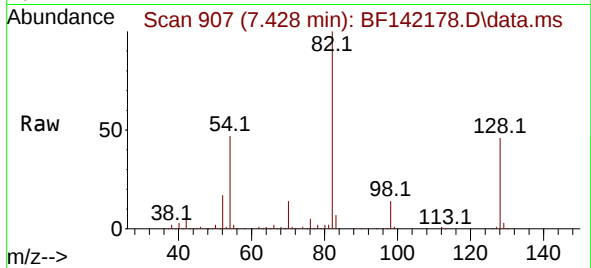




#25
Isophorone
Concen: 54.085 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

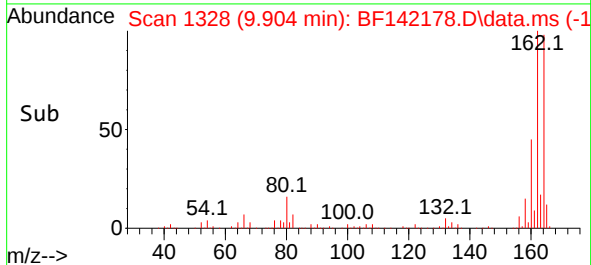
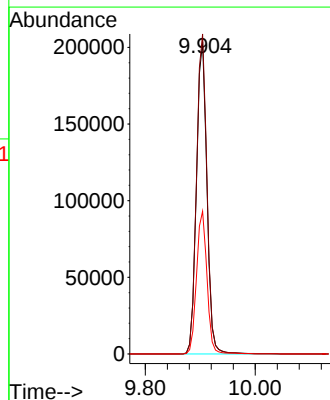
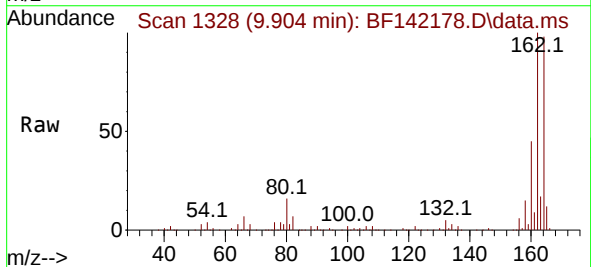
Instrument :
BNA_F
ClientSampleId :
PB167233TB

Tgt Ion: 82 Resp: 779266
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

Tgt Ion:164 Resp: 268873
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 168.168 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142178.D

Acq: 31 Mar 2025 13:51

Instrument :

BNA_F

ClientSampleId :

PB167233TB

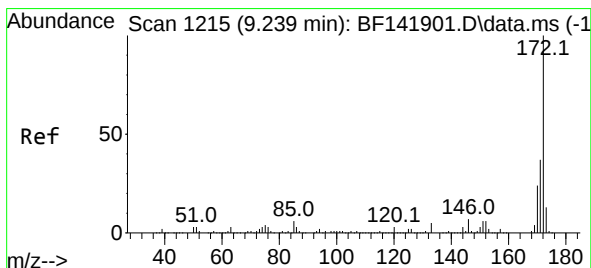
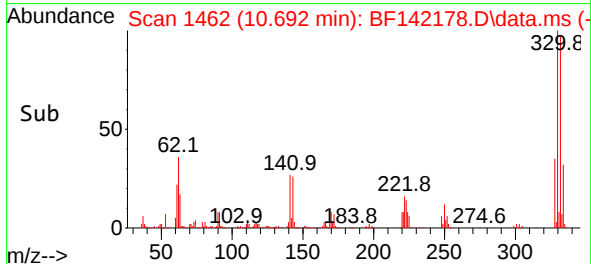
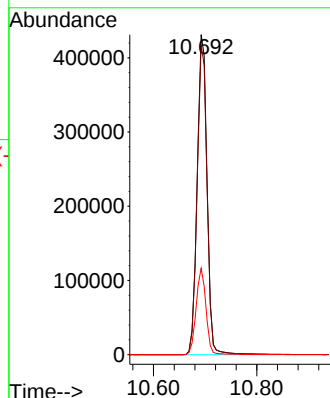
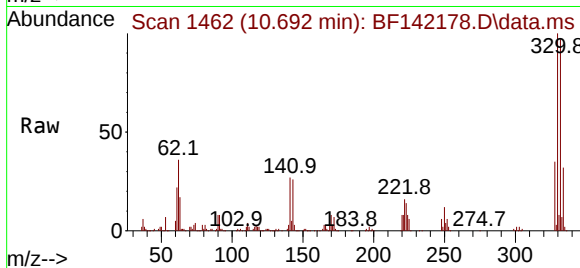
Tgt Ion:330 Resp: 573624

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 27.0 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 98.417 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142178.D

Acq: 31 Mar 2025 13:51

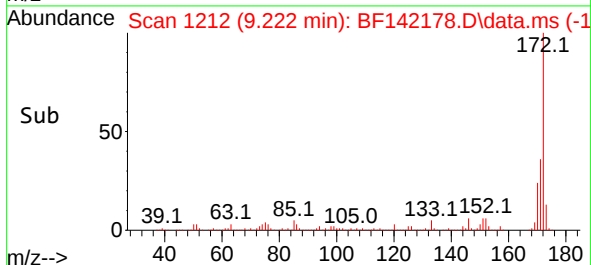
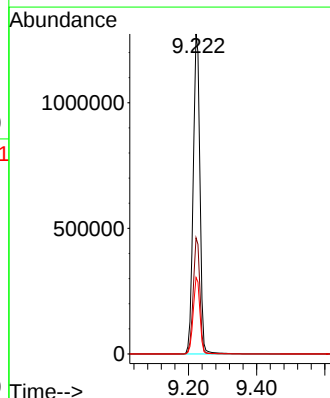
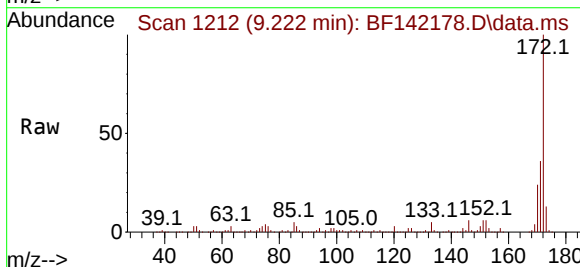
Tgt Ion:172 Resp: 1739979

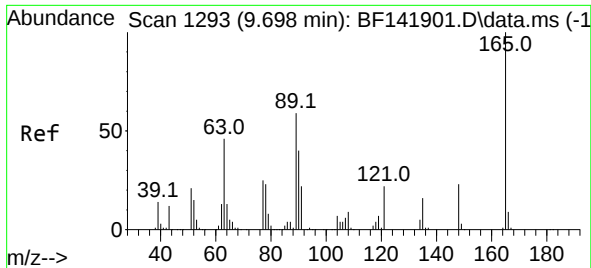
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 23.9 19.4 29.0

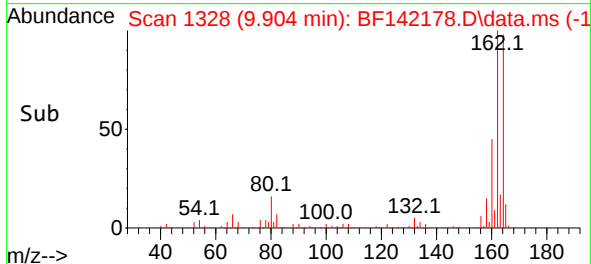
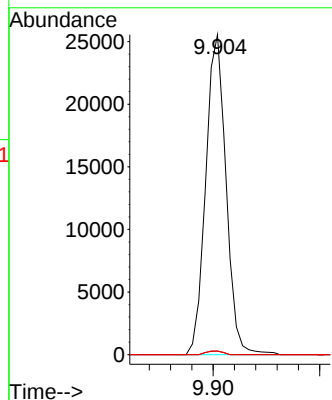
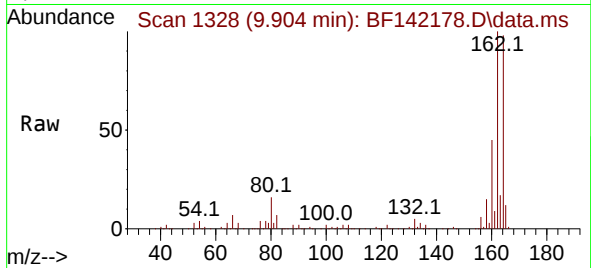




#51
2,6-Dinitrotoluene
Concen: 8.639 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

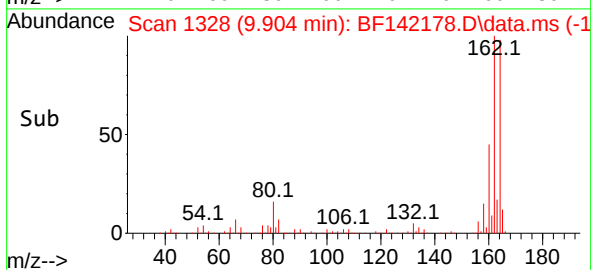
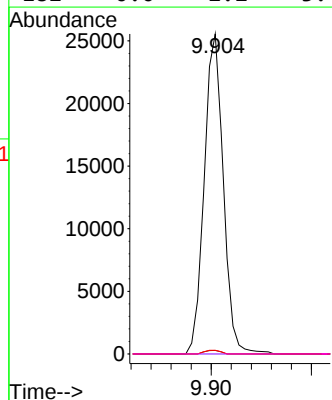
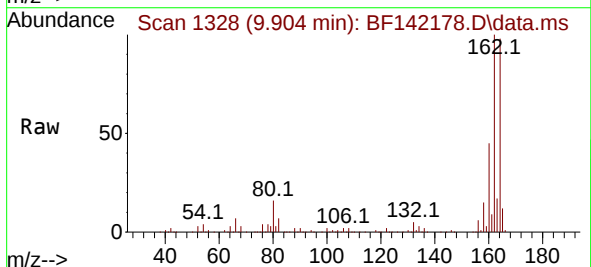
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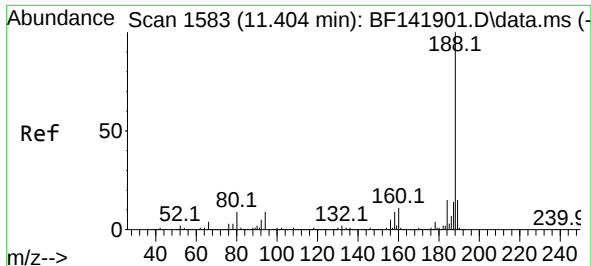
Tgt Ion:165 Resp: 33867
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.614 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

Tgt Ion:165 Resp: 33868
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

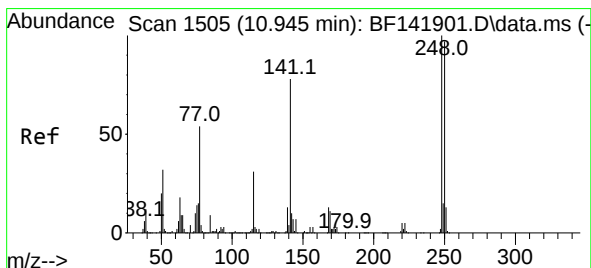
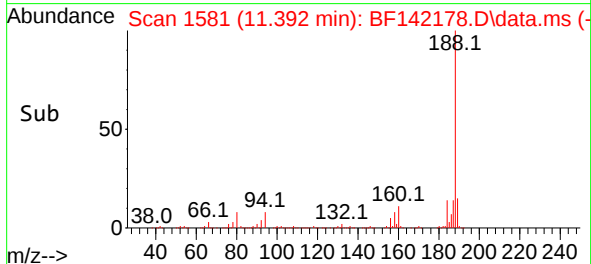
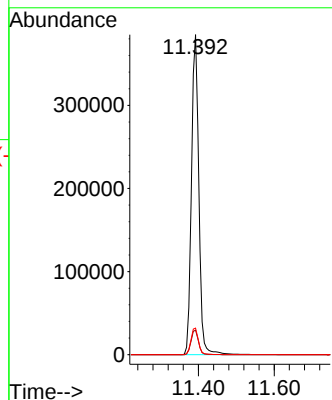
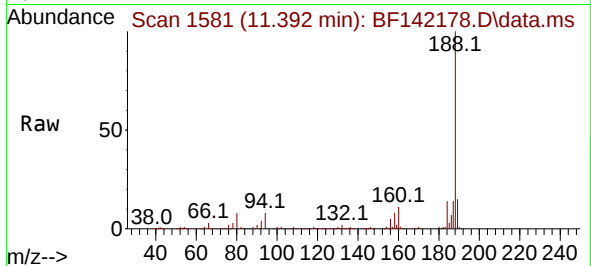




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

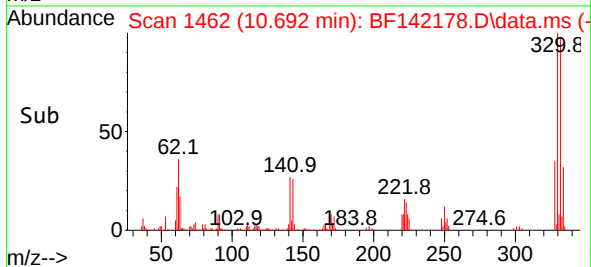
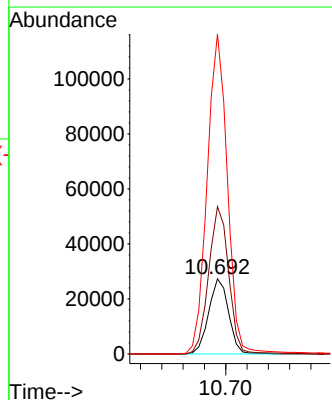
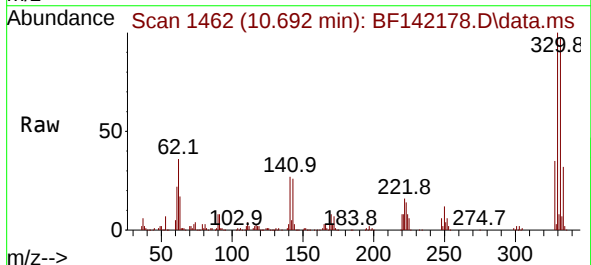
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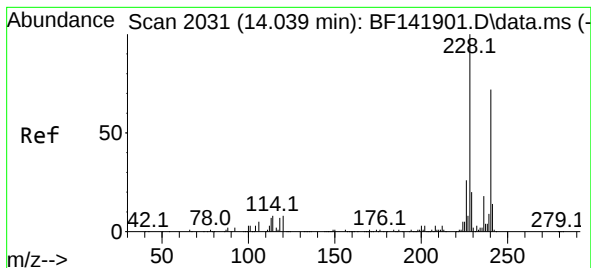
Tgt Ion:188 Resp: 518036
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.452 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142178.D
Acq: 31 Mar 2025 13:51

Tgt Ion:248 Resp: 35470
Ion Ratio Lower Upper
248 100
250 195.8 77.8 116.8#
141 425.3 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142178.D

Acq: 31 Mar 2025 13:51

Instrument :

BNA_F

ClientSampleId :

PB167233TB

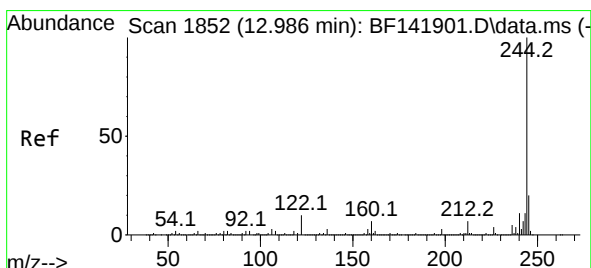
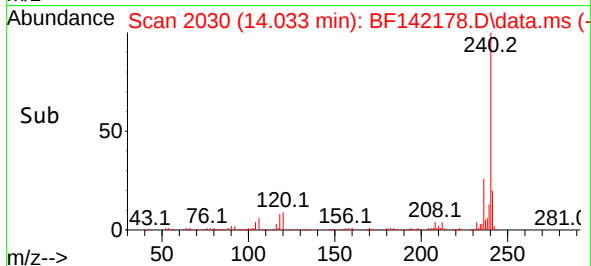
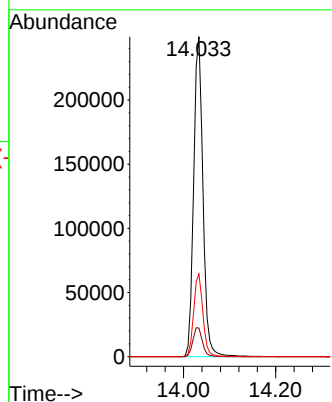
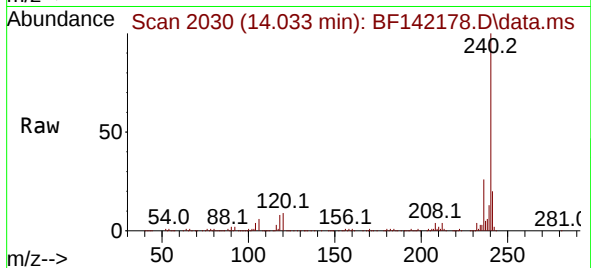
Tgt Ion:240 Resp: 348724

Ion Ratio Lower Upper

240 100

120 8.9 8.4 12.6

236 25.9 20.5 30.7



#79

Terphenyl-d14

Concen: 105.012 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142178.D

Acq: 31 Mar 2025 13:51

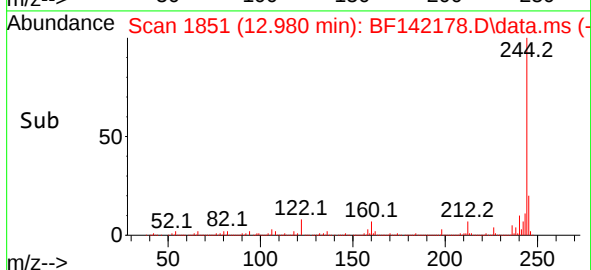
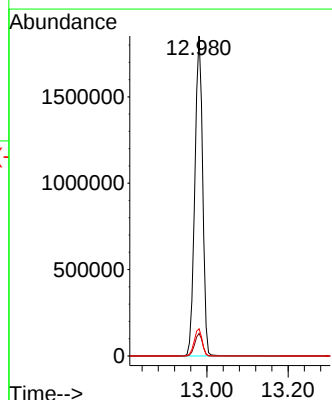
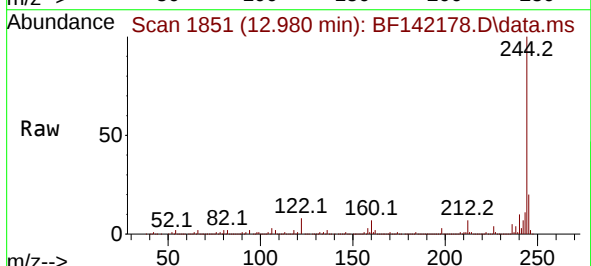
Tgt Ion:244 Resp: 2476925

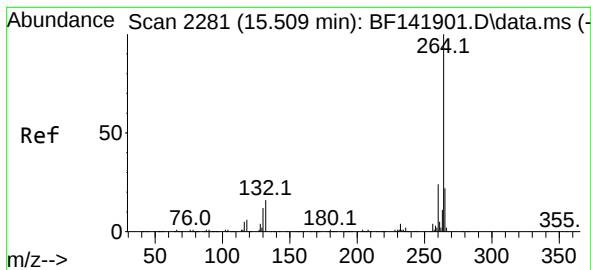
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.5 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142178.D

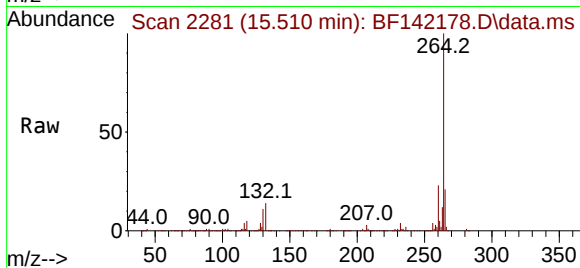
Acq: 31 Mar 2025 13:51

Instrument :

BNA_F

ClientSampleId :

PB167233TB



Tgt Ion:264 Resp: 288611

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 20.9 17.5 26.3

