

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142187.D
 Acq On : 31 Mar 2025 18:27
 Operator : RC/JU
 Sample : Q1664-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-008-01

Quant Time: Mar 31 19:32:35 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)

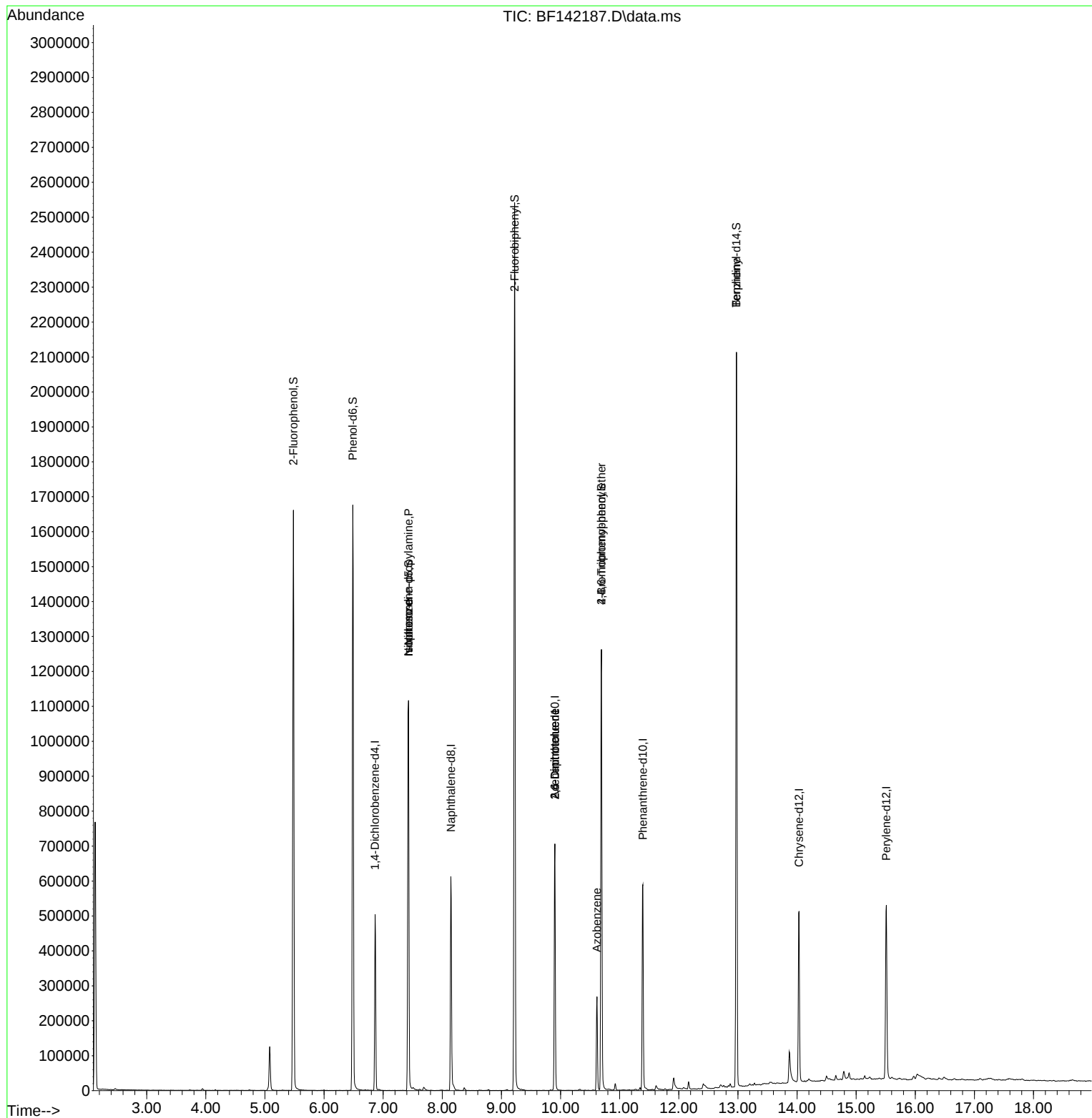
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	108249	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	412298	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	217215	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	334059	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	261109	20.000	ng	0.00
86) Perylene-d12	15.510	264	317304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	653727	100.790	ng	-0.01
7) Phenol-d6	6.487	99	818000	99.054	ng	-0.02
23) Nitrobenzene-d5	7.428	82	527331	71.977	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	246176	89.335	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1119022	78.347	ng	-0.02
79) Terphenyl-d14	12.974	244	1023385	57.946	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	71340	13.444	ng	# 77
25) Isophorone	7.428	82	521045	40.233	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	28186	8.900	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	28186	6.814	ng	# 24
63) Azobenzene	10.616	77	68827	4.881	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	14821	3.533	ng	# 1
77) Benzidine	12.974	184	13917	3.820	ng	# 94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Quant Time: Mar 31 19:32:35 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

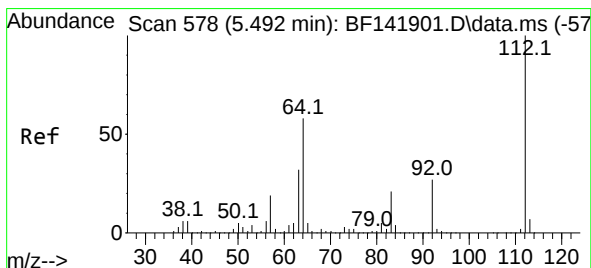
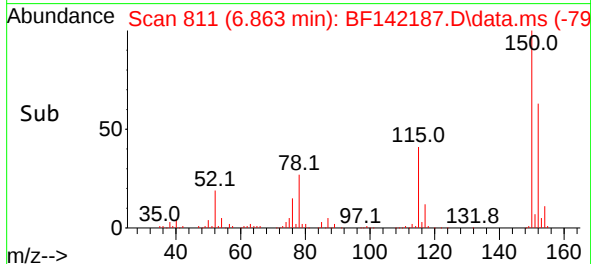
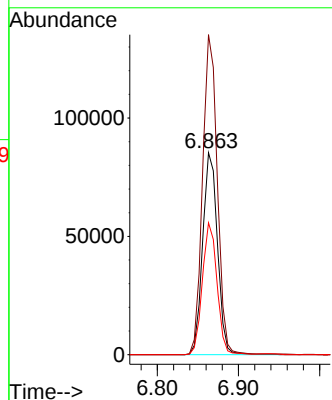
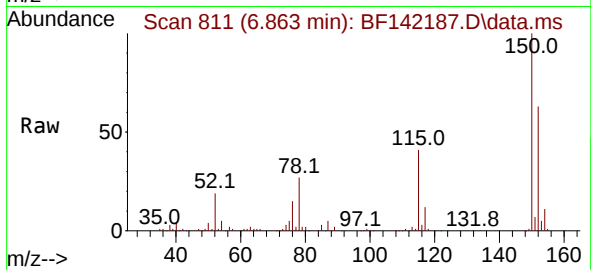




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

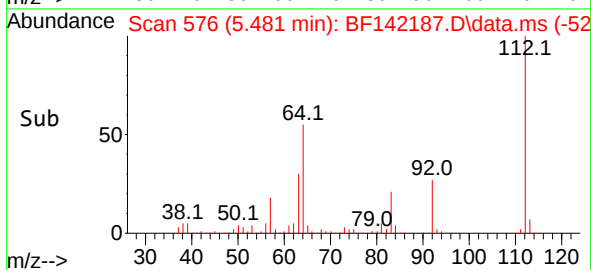
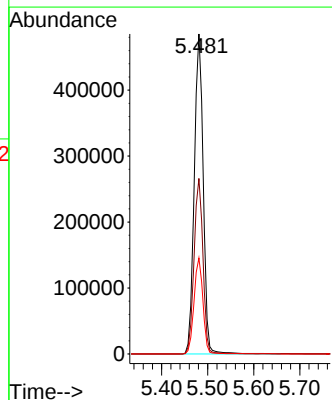
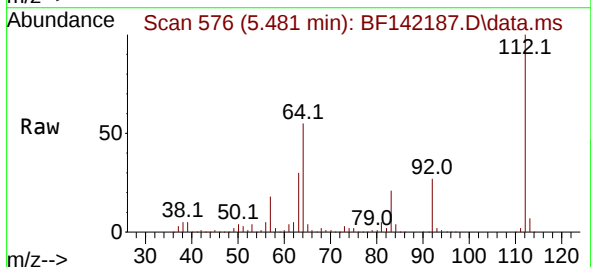
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Tgt Ion:152 Resp: 108249
Ion Ratio Lower Upper
152 100
150 158.5 127.4 191.2
115 65.3 51.9 77.9



#5
2-Fluorophenol
Concen: 100.790 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:112 Resp: 653727
Ion Ratio Lower Upper
112 100
64 54.8 46.5 69.7
63 30.0 25.4 38.2

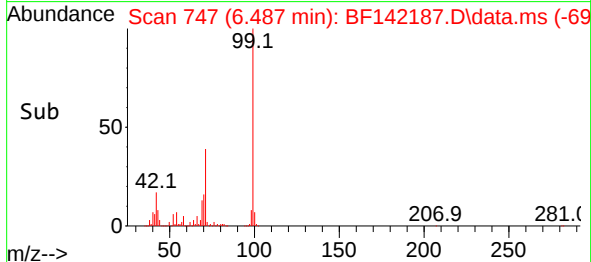
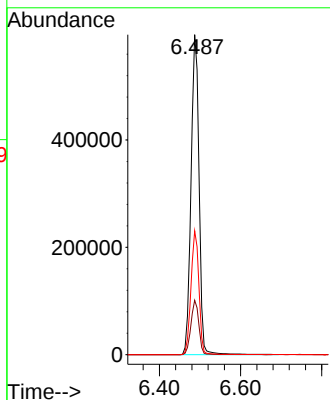
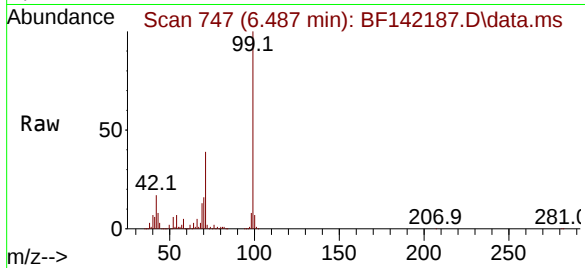




#7
Phenol-d6
Concen: 99.054 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

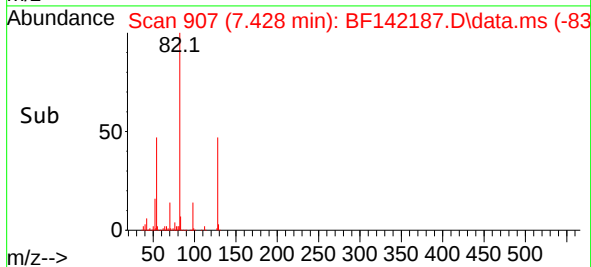
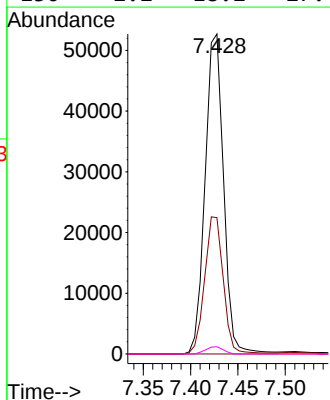
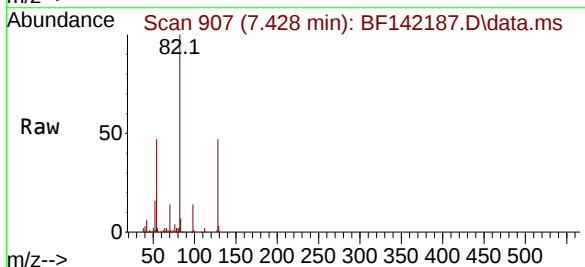
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Tgt Ion: 99 Resp: 818000
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 38.7 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.444 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion: 70 Resp: 71340
Ion Ratio Lower Upper
70 100
42 42.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



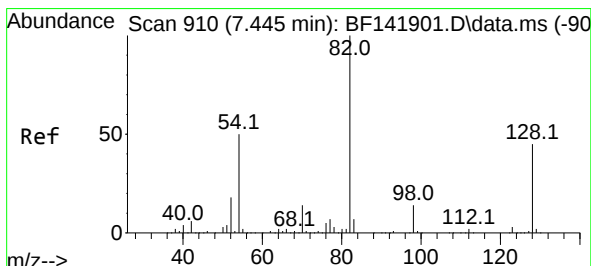
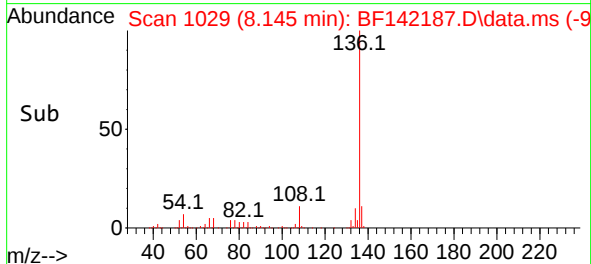
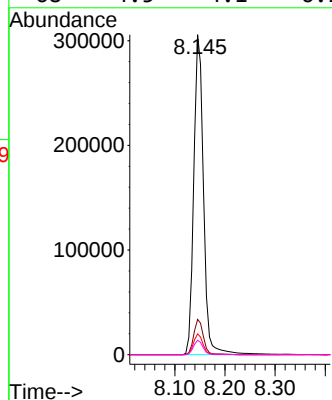
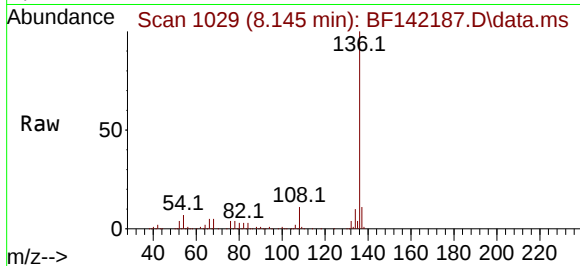


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Tgt Ion:136 Resp: 412298

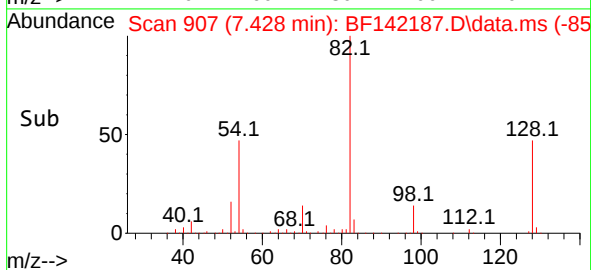
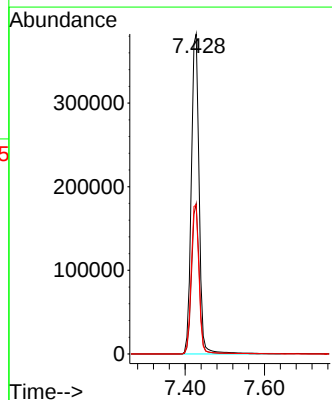
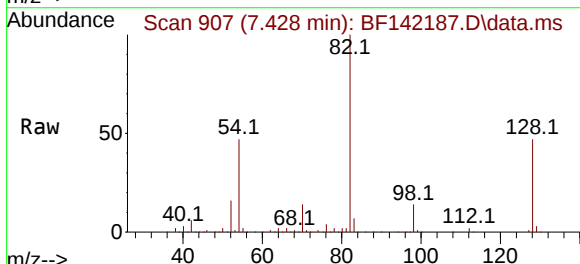
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 71.977 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion: 82 Resp: 527331

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.0	54.0
54	46.5	39.6	59.4

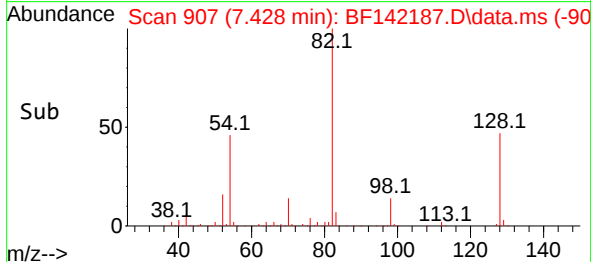
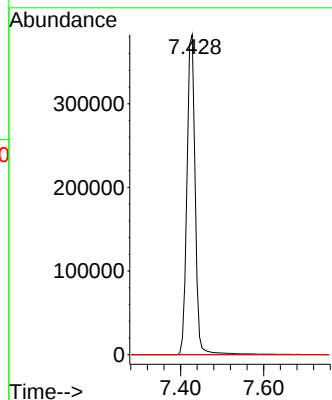
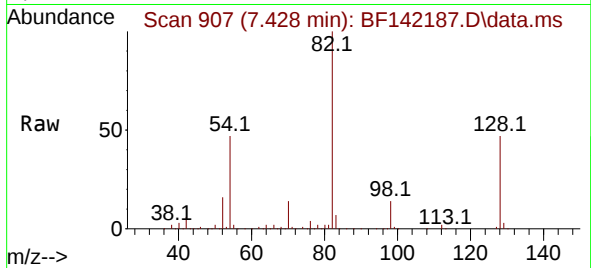




#25
Isophorone
Concen: 40.233 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

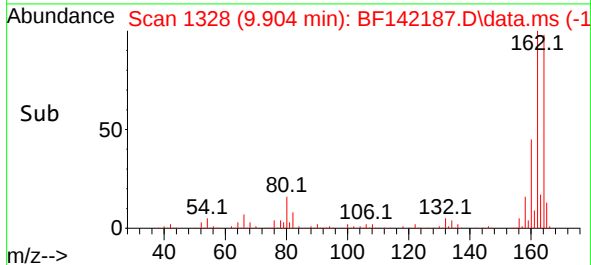
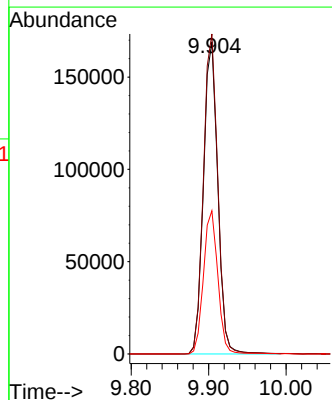
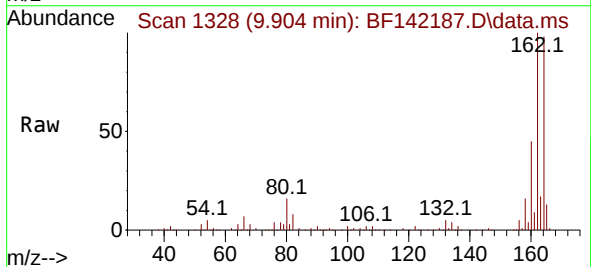
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

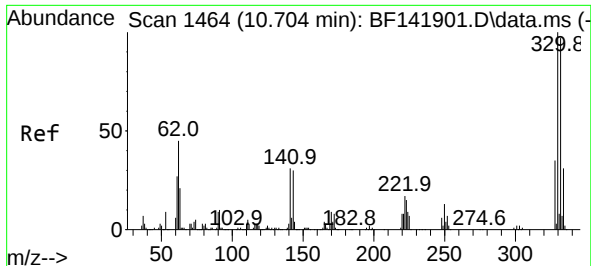
Tgt Ion: 82 Resp: 521045
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:164 Resp: 217215
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 45.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 89.335 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142187.D

Acq: 31 Mar 2025 18:27

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-008-01

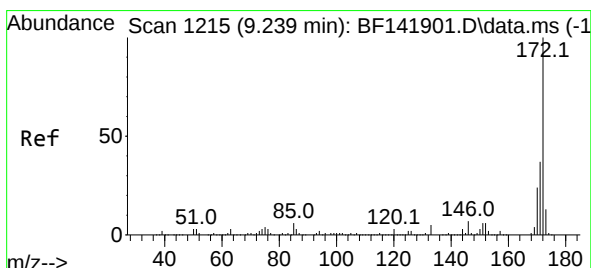
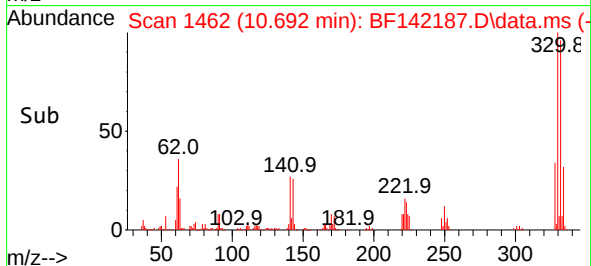
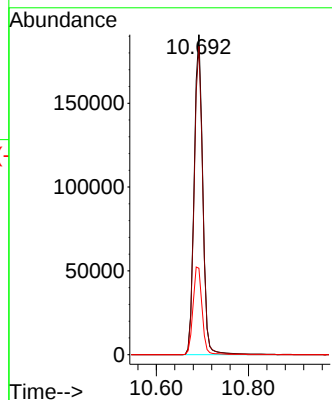
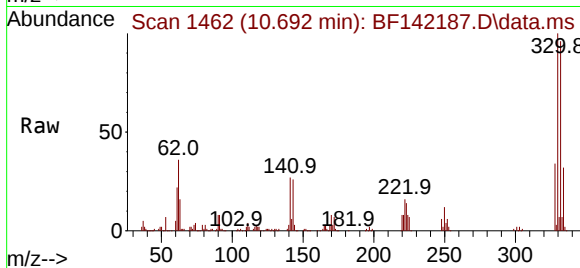
Tgt Ion:330 Resp: 246176

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 28.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 78.347 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142187.D

Acq: 31 Mar 2025 18:27

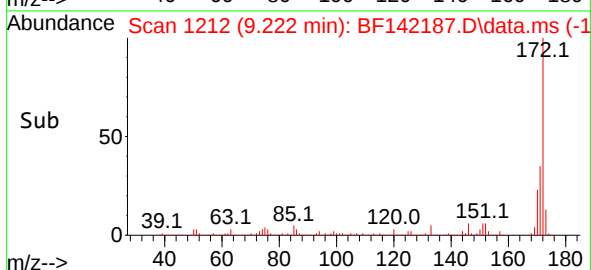
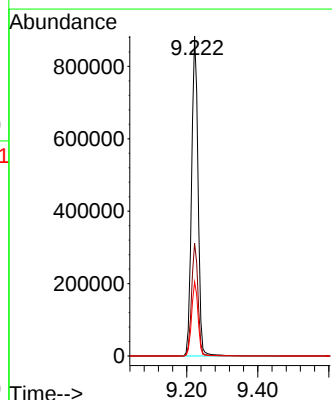
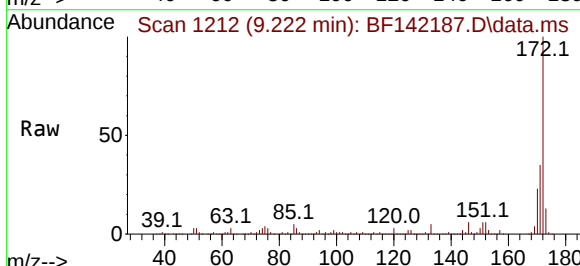
Tgt Ion:172 Resp: 1119022

Ion Ratio Lower Upper

172 100

171 35.3 29.3 43.9

170 23.2 19.4 29.0

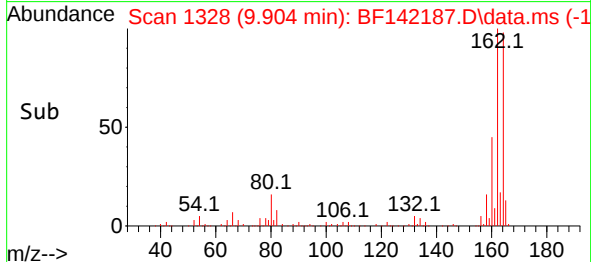
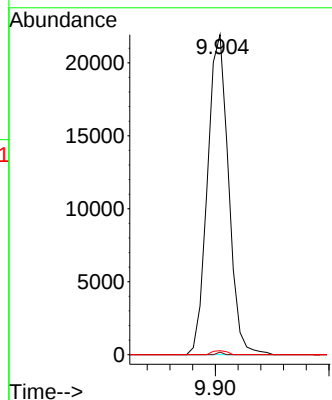
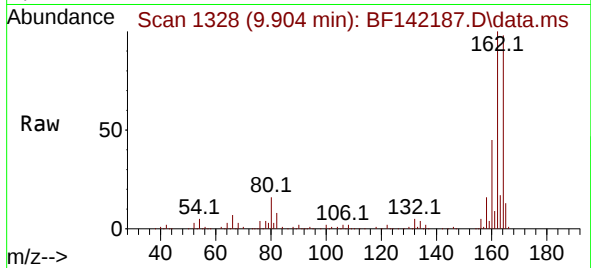




#51
2,6-Dinitrotoluene
Concen: 8.900 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

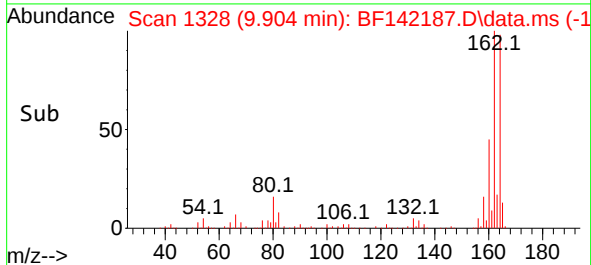
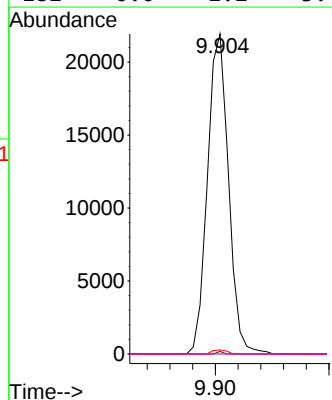
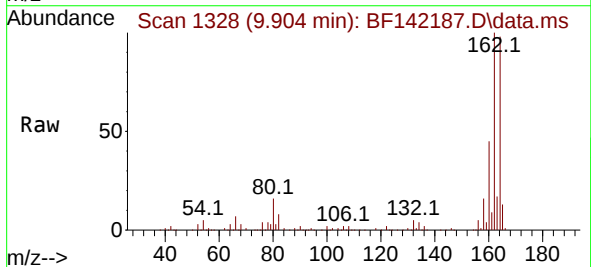
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

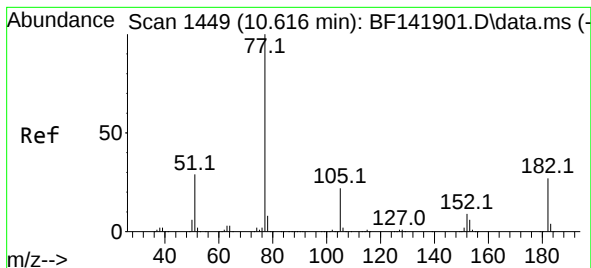
Tgt Ion:165 Resp: 28186
Ion Ratio Lower Upper
165 100
63 0.8 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.814 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:165 Resp: 28186
Ion Ratio Lower Upper
165 100
63 0.8 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.881 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142187.D

Acq: 31 Mar 2025 18:27

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-008-01

Tgt Ion: 77 Resp: 68827

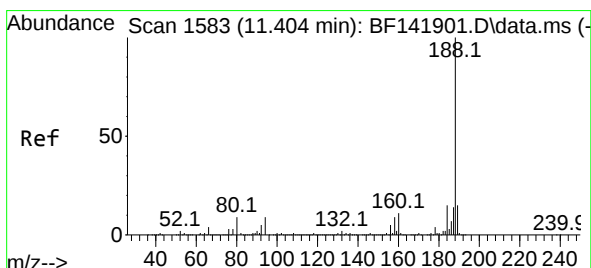
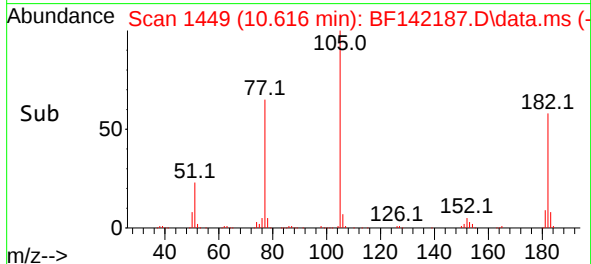
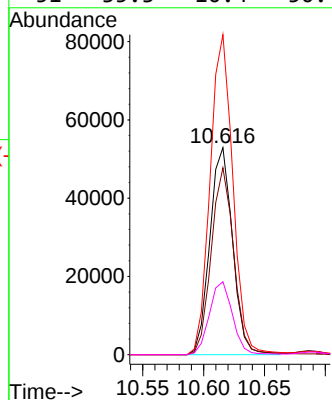
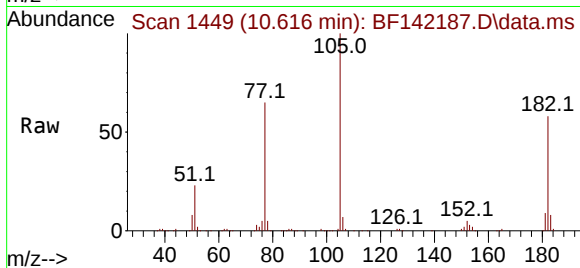
Ion Ratio Lower Upper

77 100

182 90.2 6.6 46.6#

105 154.5 1.3 41.3#

51 35.3 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: BF142187.D

Acq: 31 Mar 2025 18:27

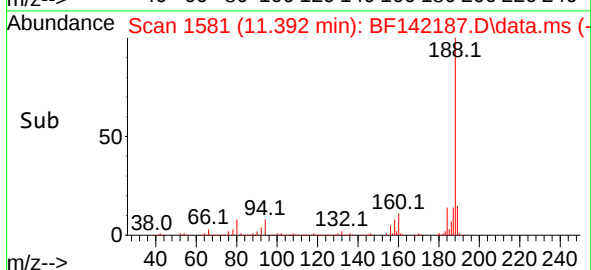
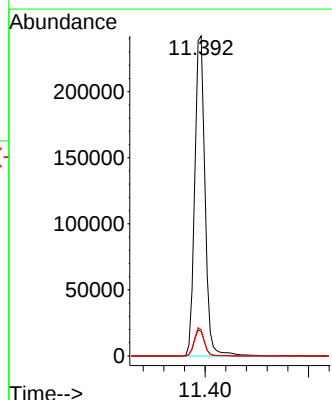
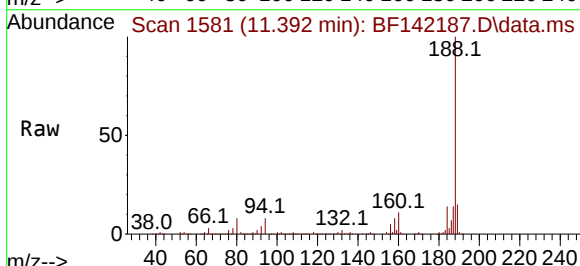
Tgt Ion:188 Resp: 334059

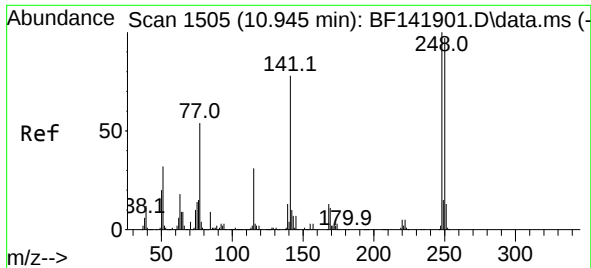
Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

80 8.2 7.6 11.4

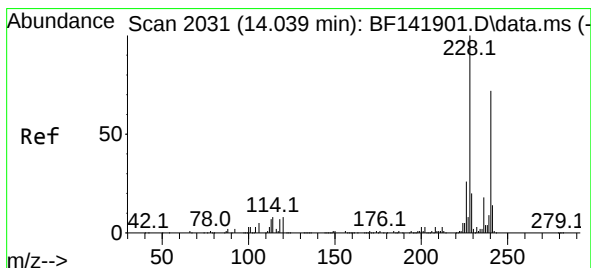
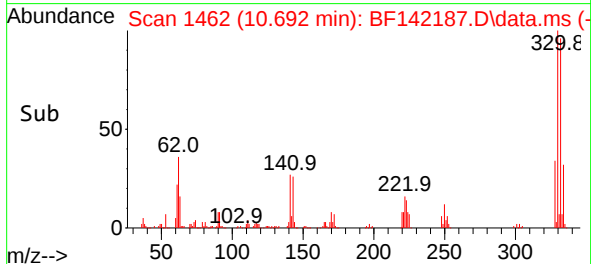
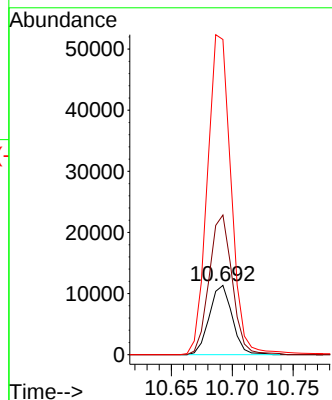
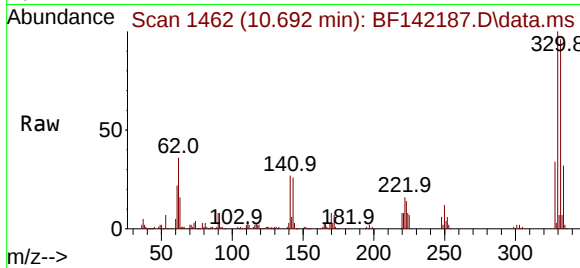




#67
4-Bromophenyl-phenylether
Concen: 3.533 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

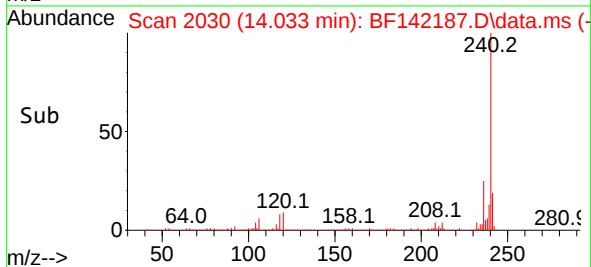
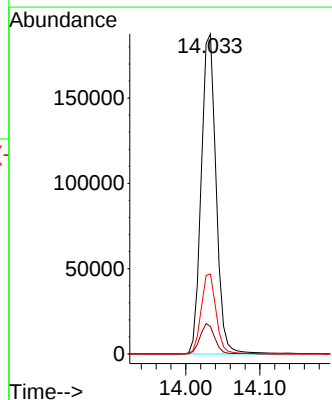
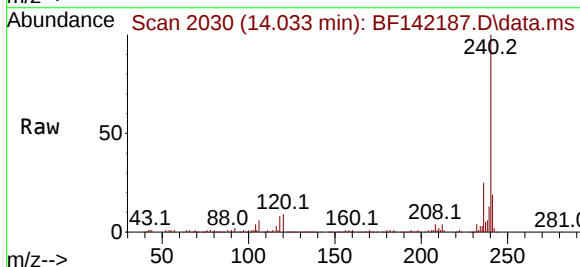
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

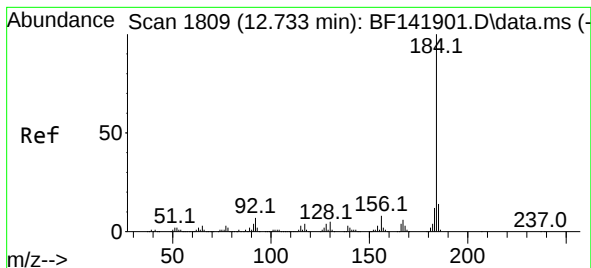
Tgt Ion:248 Resp: 14821
Ion Ratio Lower Upper
248 100
250 201.7 77.8 116.8#
141 455.0 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:240 Resp: 261109
Ion Ratio Lower Upper
240 100
120 8.6 8.4 12.6
236 25.0 20.5 30.7





#77

Benzidine

Concen: 3.820 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.241 min

Lab File: BF142187.D

Acq: 31 Mar 2025 18:27

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-008-01

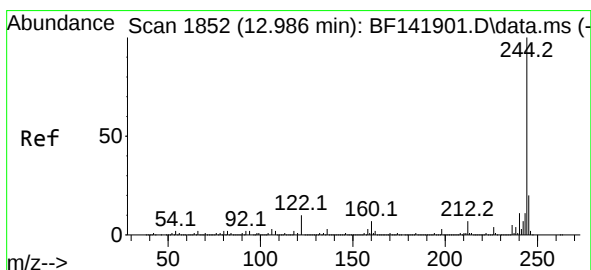
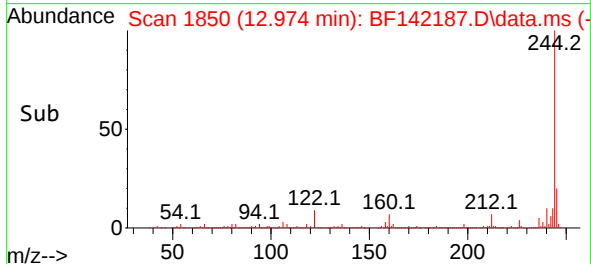
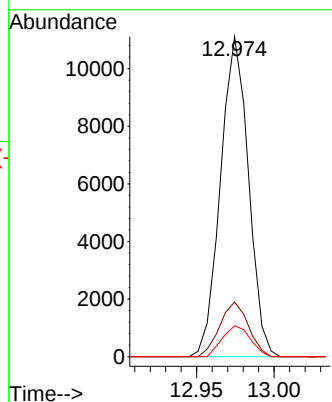
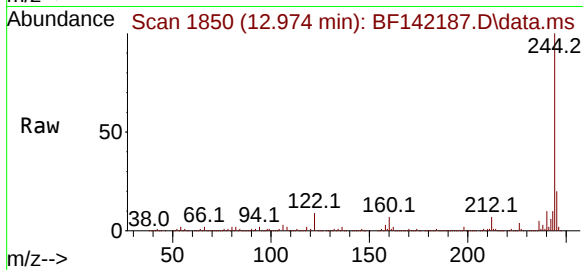
Tgt Ion:184 Resp: 13917

Ion Ratio Lower Upper

184 100

185 17.1 11.5 17.3

183 9.6 9.7 14.5#



#79

Terphenyl-d14

Concen: 57.946 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142187.D

Acq: 31 Mar 2025 18:27

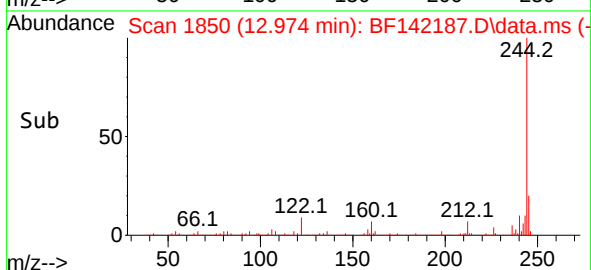
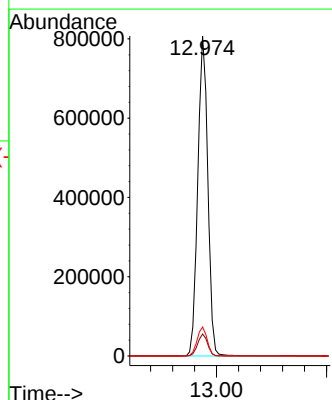
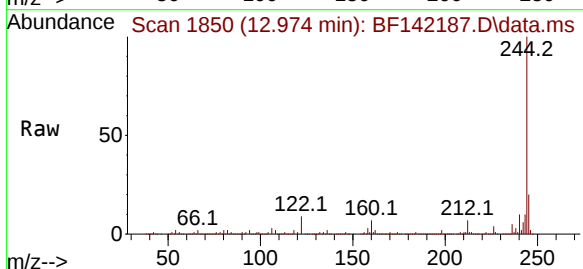
Tgt Ion:244 Resp: 1023385

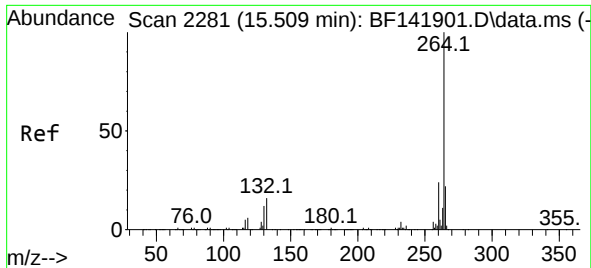
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

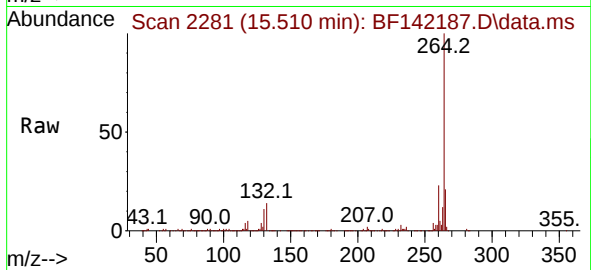
122 9.0 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01



Tgt Ion:264 Resp: 317304

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.4	17.5	26.3

