

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141846.D
 Acq On : 05 Mar 2025 16:21
 Operator : RC/JU
 Sample : Q1487-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-42

Quant Time: Mar 05 16:46:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

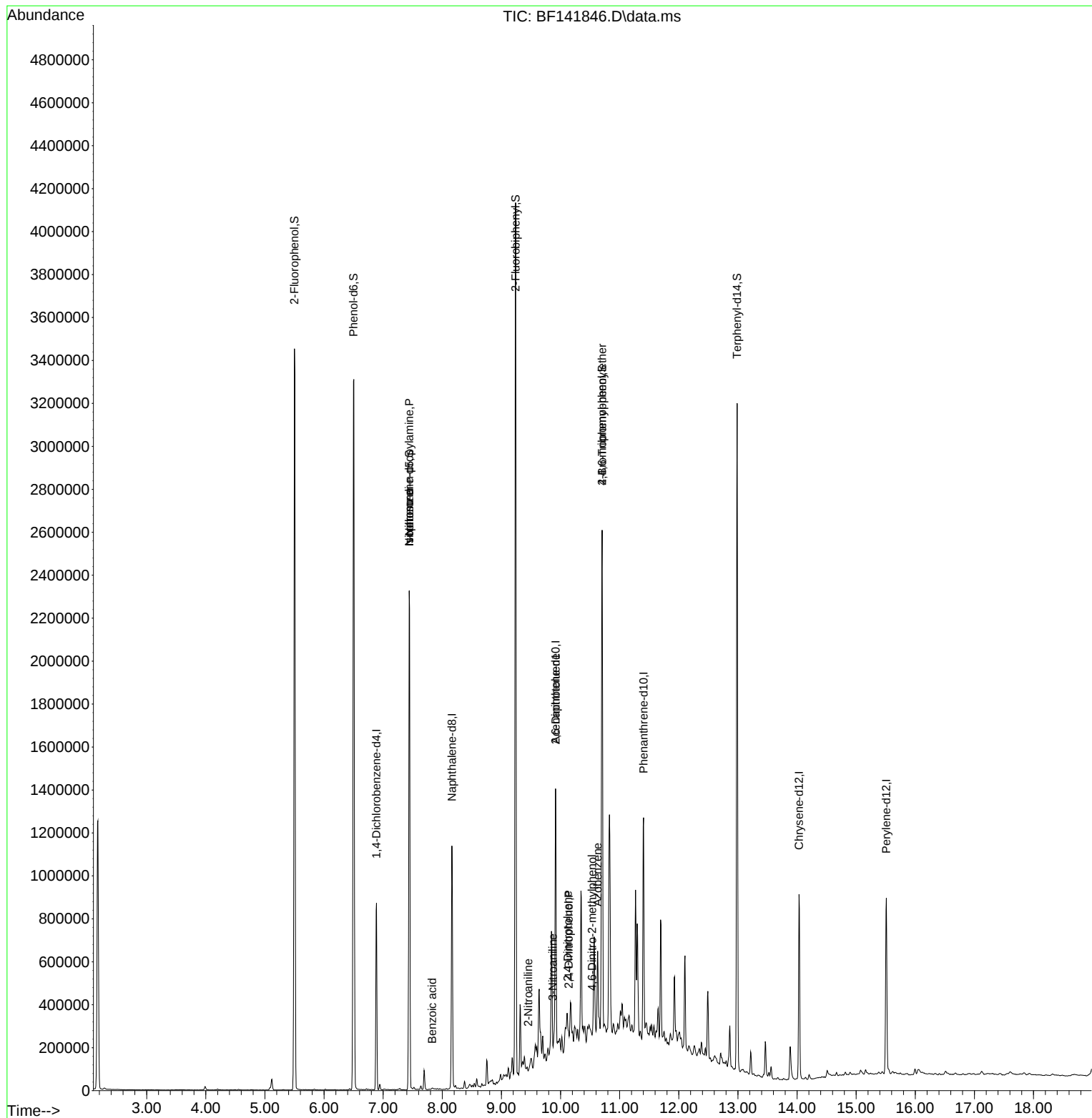
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	183000	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	691002	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	343341	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	517666	20.000	ng	0.00
76) Chrysene-d12	14.033	240	403116	20.000	ng	-0.02
86) Perylene-d12	15.510	264	459662	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1345035	117.377	ng	0.00
7) Phenol-d6	6.498	99	1675020	112.304	ng	-0.01
23) Nitrobenzene-d5	7.440	82	1060893	98.136	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	383280	118.907	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1743685	81.432	ng	0.00
79) Terphenyl-d14	12.986	244	1458673	58.544	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	143308	14.616	ng	# 80
25) Isophorone	7.440	82	1056829	45.505	ng	# 66
32) Benzoic acid	7.828	122	2372	7.970	ng	97
48) 2-Nitroaniline	9.451	65	114	4.359	ng	# 59
51) 2,6-Dinitrotoluene	9.916	165	46876	12.858	ng	# 22
53) 3-Nitroaniline	9.869	138	486	3.064	ng	# 59
54) 2,4-Dinitrophenol	10.139	184	282	5.963	ng	# 50
57) 2,4-Dinitrotoluene	10.122	165	1604	3.802	ng	# 66
63) Azobenzene	10.628	77	87546	3.607	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.534	198	60	8.146	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	26353	4.358	ng	# 1

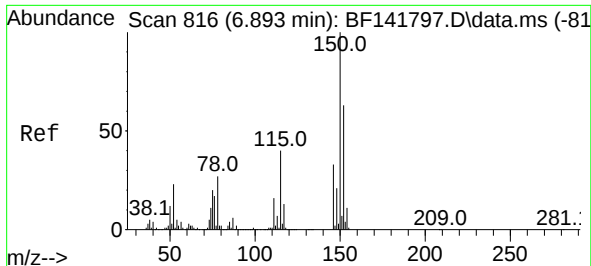
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
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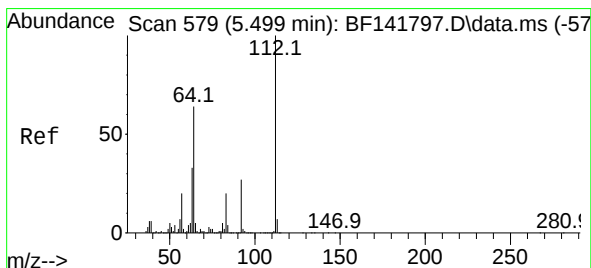
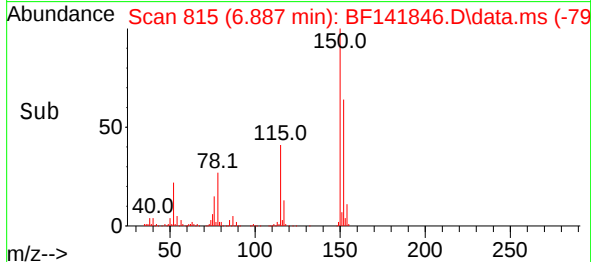
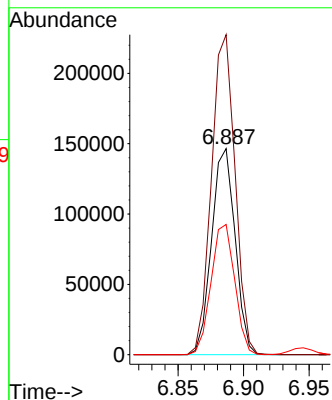
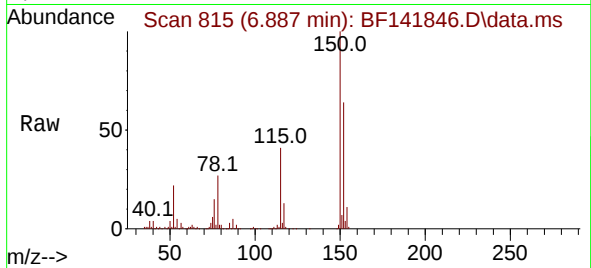




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

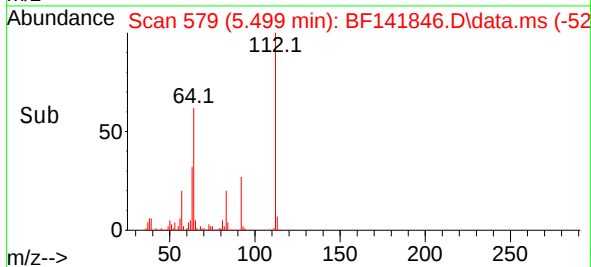
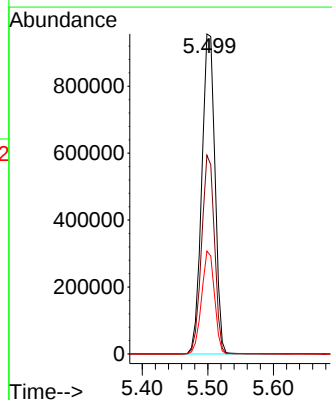
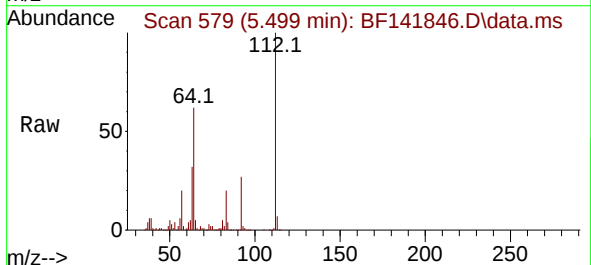
Instrument :
BNA_F
ClientSampleId :
DN-B-42

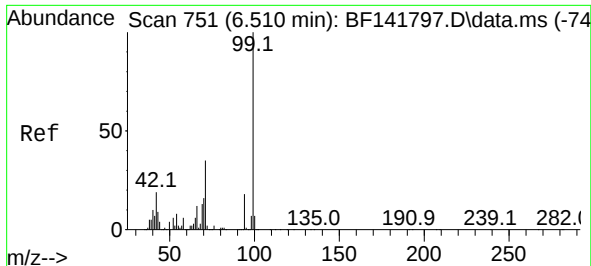
Tgt Ion:152 Resp: 183000
Ion Ratio Lower Upper
152 100
150 155.2 127.5 191.3
115 63.2 51.4 77.2



#5
2-Fluorophenol
Concen: 117.377 ng
RT: 5.499 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

Tgt Ion:112 Resp: 1345035
Ion Ratio Lower Upper
112 100
64 62.1 51.3 76.9
63 32.2 26.2 39.4

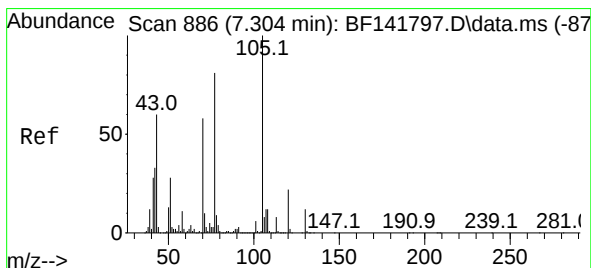
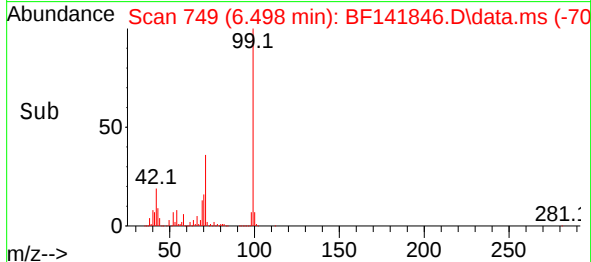
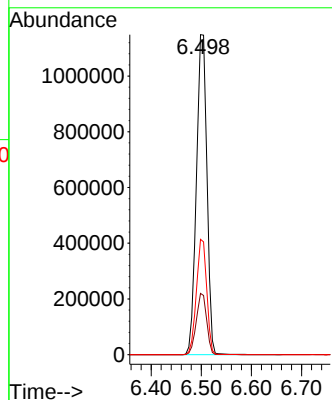
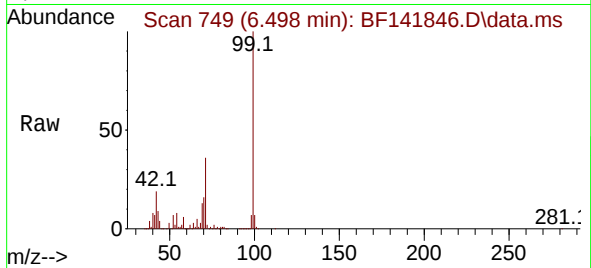




#7
Phenol-d6
Concen: 112.304 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

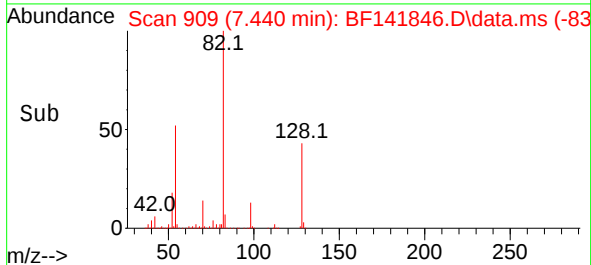
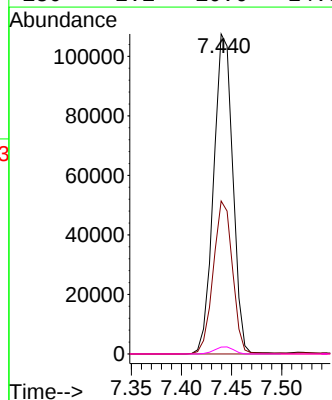
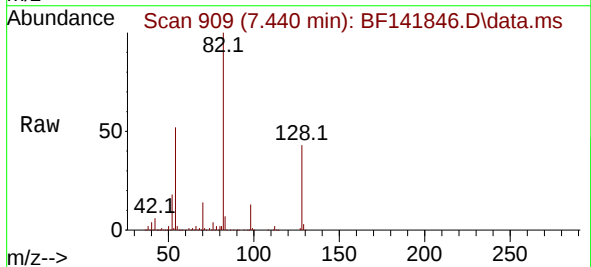
Instrument :
BNA_F
ClientSampleId :
DN-B-42

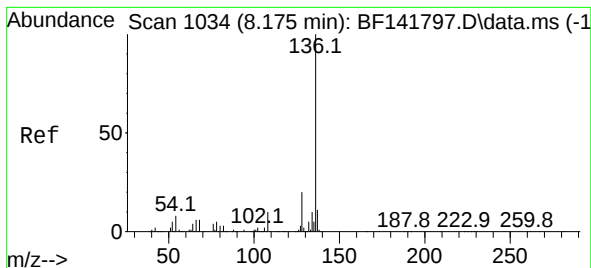
Tgt Ion: 99 Resp: 1675020
Ion Ratio Lower Upper
99 100
42 19.2 15.2 22.8
71 36.1 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.616 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

Tgt Ion: 70 Resp: 143308
Ion Ratio Lower Upper
70 100
42 47.8 45.4 68.0
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

Instrument :

BNA_F

ClientSampleId :

DN-B-42

Tgt Ion:136 Resp: 691002

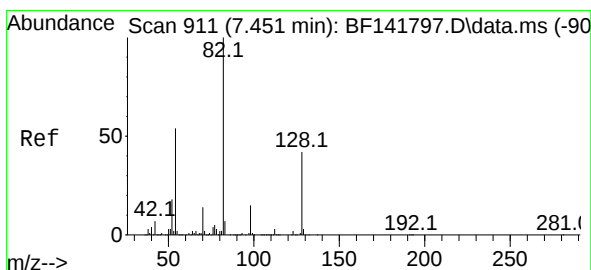
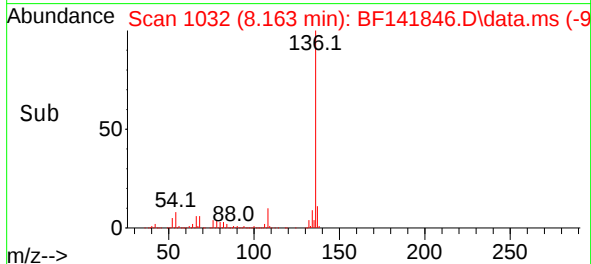
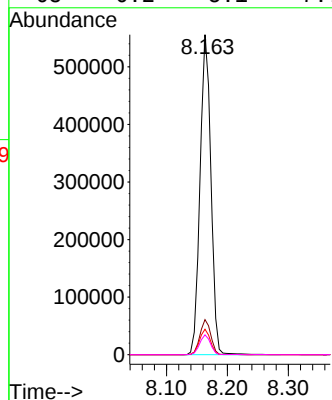
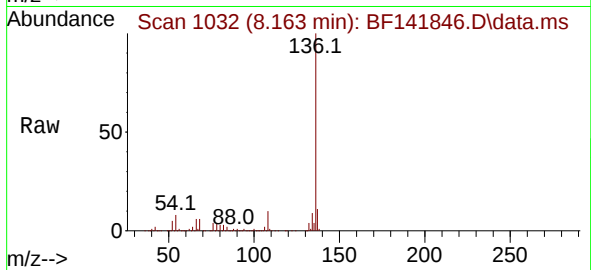
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.0 6.9 10.3

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 98.136 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

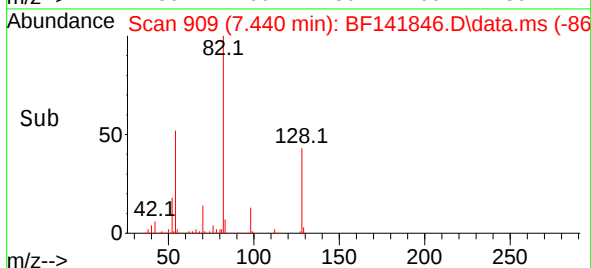
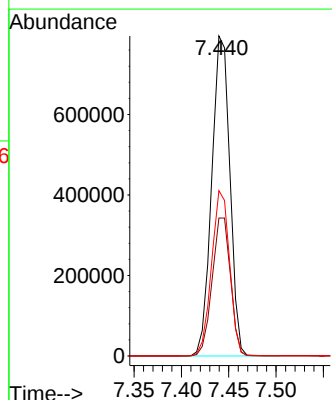
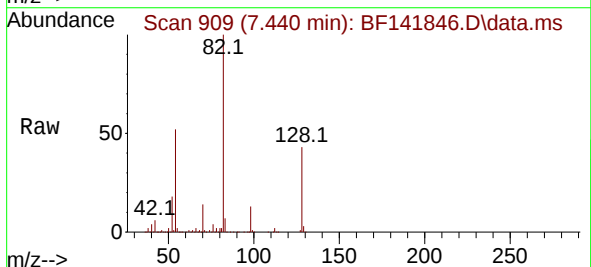
Tgt Ion: 82 Resp: 1060893

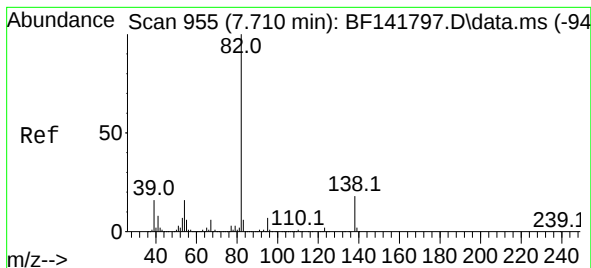
Ion Ratio Lower Upper

82 100

128 43.1 33.5 50.3

54 51.6 42.7 64.1





#25

Isophorone

Concen: 45.505 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.271 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

Instrument :

BNA_F

ClientSampleId :

DN-B-42

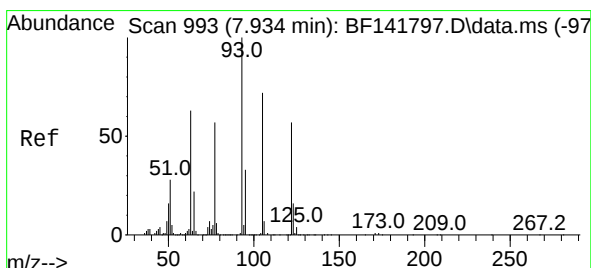
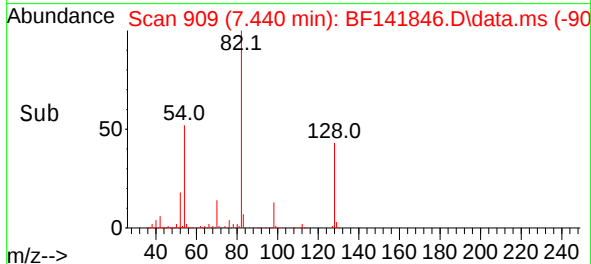
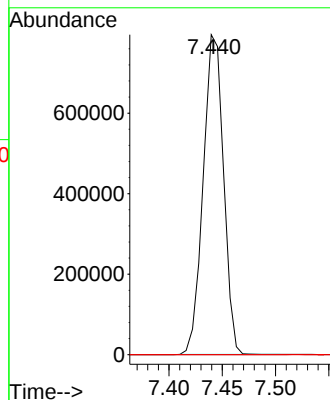
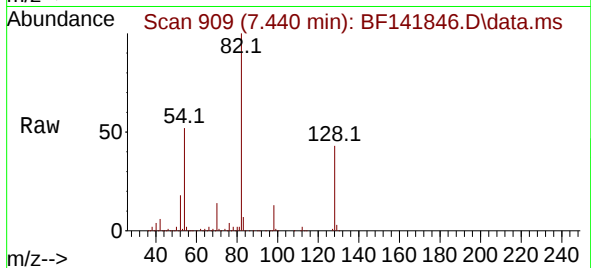
Tgt Ion: 82 Resp: 1056829

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 14.0 21.0#



#32

Benzoic acid

Concen: 7.970 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.106 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

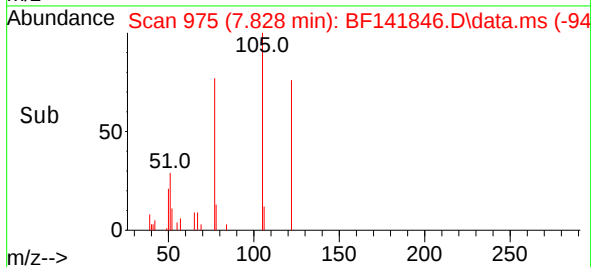
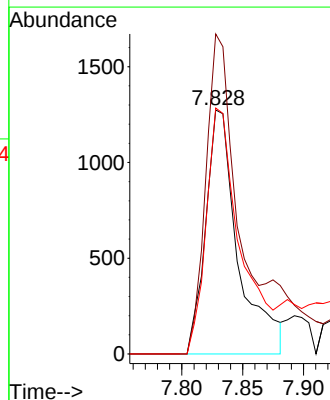
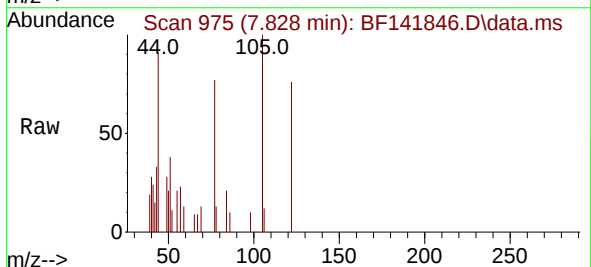
Tgt Ion:122 Resp: 2372

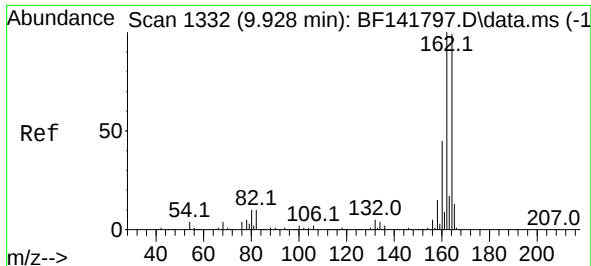
Ion Ratio Lower Upper

122 100

105 131.2 105.8 145.8

77 100.8 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

Instrument :

BNA_F

ClientSampleId :

DN-B-42

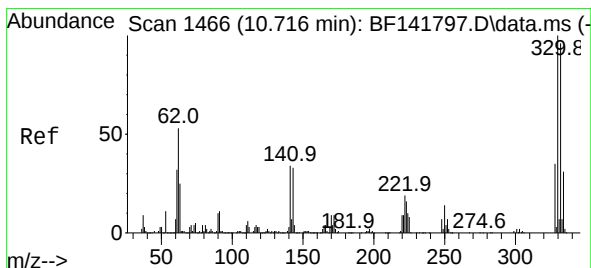
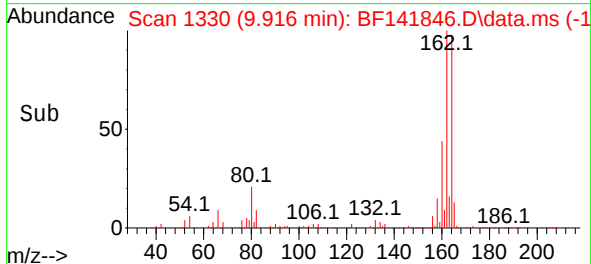
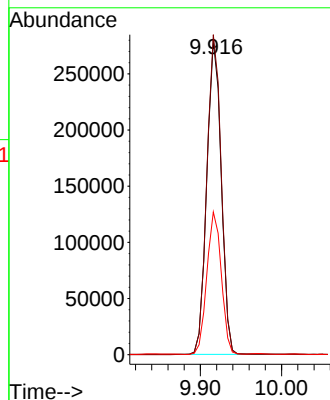
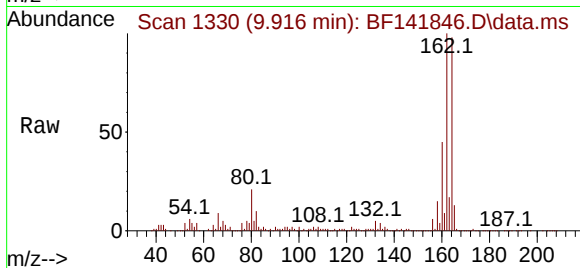
Tgt Ion:164 Resp: 343341

Ion Ratio Lower Upper

164 100

162 101.9 80.6 120.8

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 118.907 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

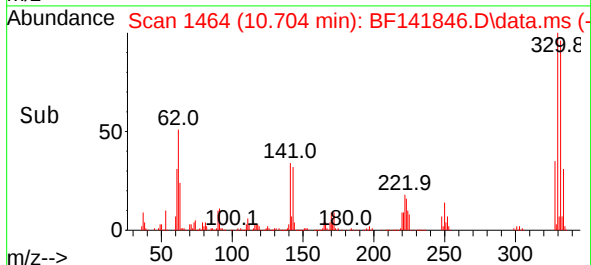
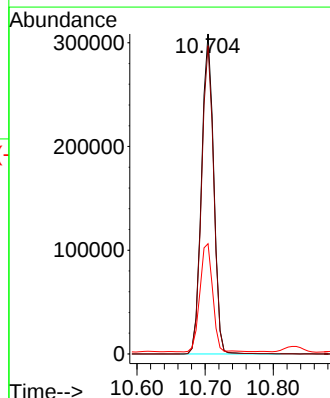
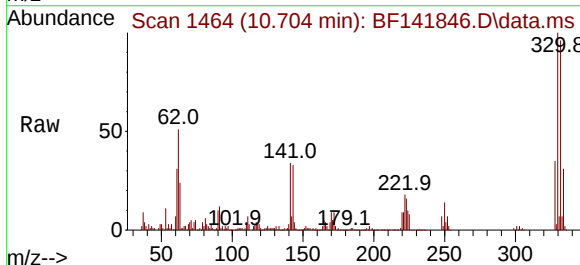
Tgt Ion:330 Resp: 383280

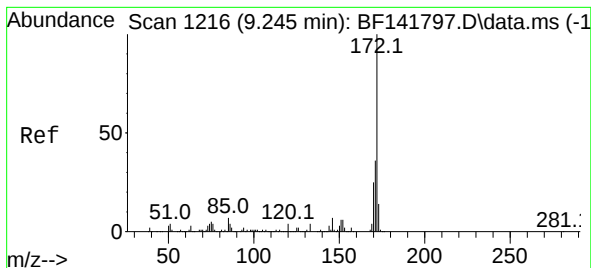
Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

141 35.2 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 81.432 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

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DN-B-42

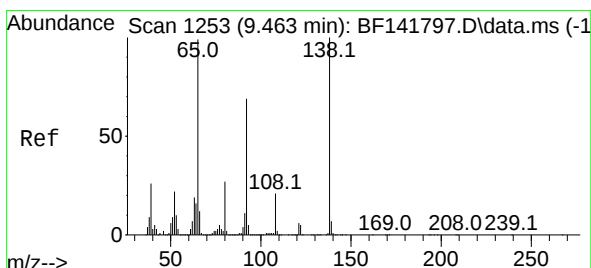
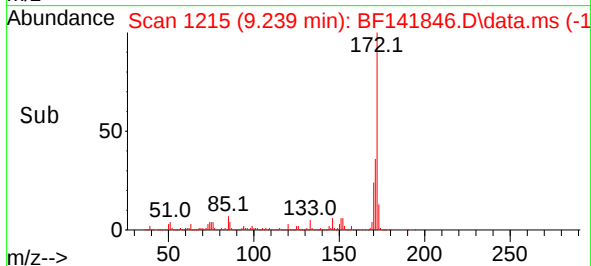
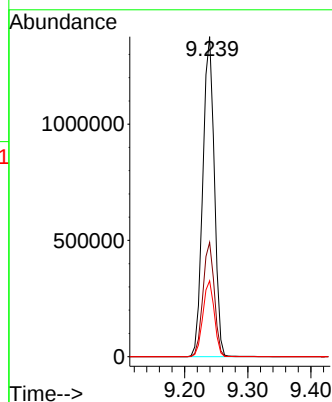
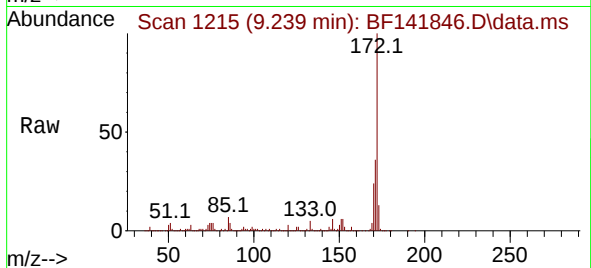
Tgt Ion:172 Resp: 1743685

Ion Ratio Lower Upper

172 100

171 35.7 29.2 43.8

170 23.7 19.7 29.5



#48

2-Nitroaniline

Concen: 4.359 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.012 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

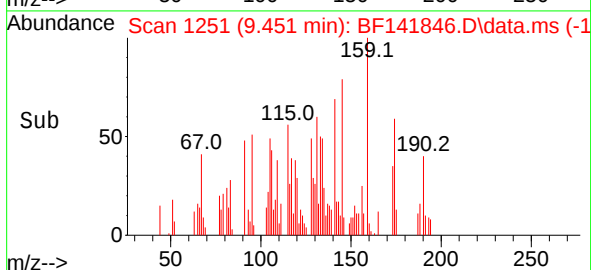
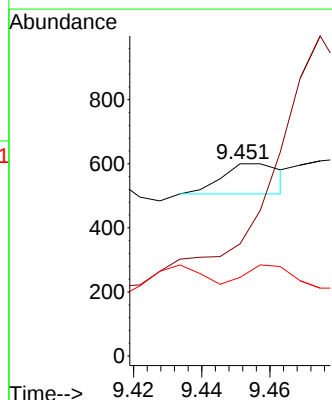
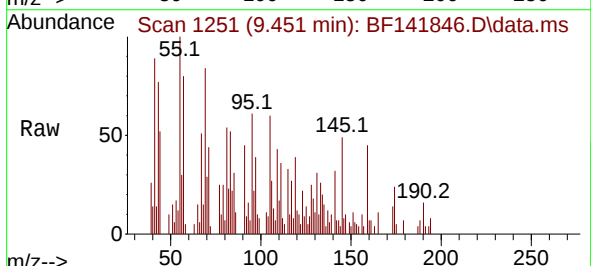
Tgt Ion: 65 Resp: 114

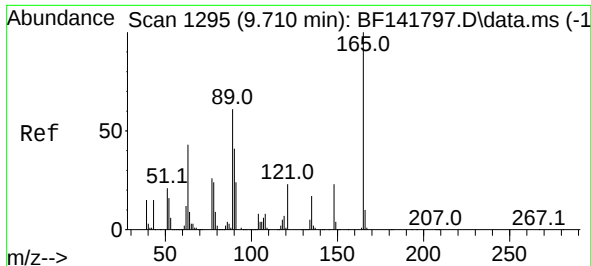
Ion Ratio Lower Upper

65 100

92 58.3 55.7 83.5

138 40.8 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.858 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

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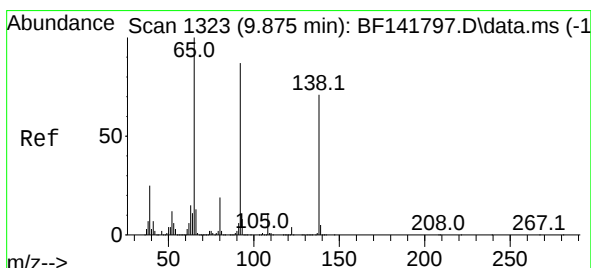
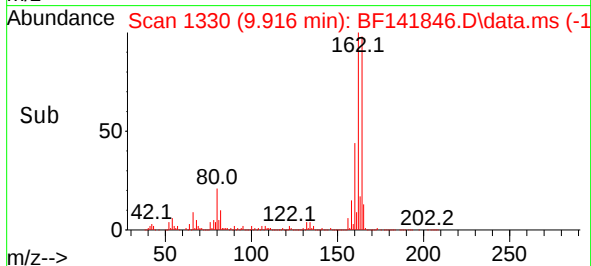
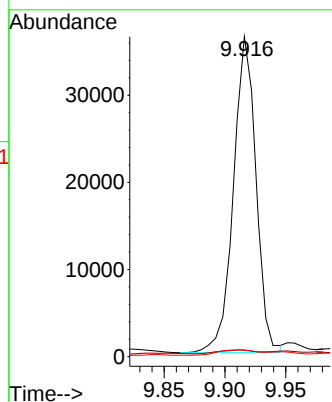
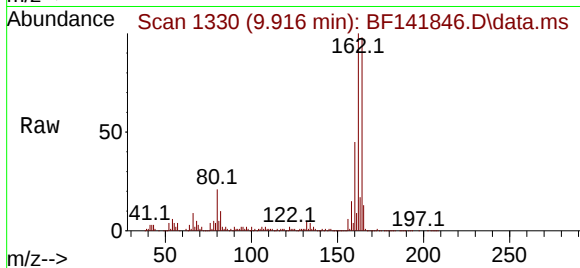
Tgt Ion:165 Resp: 46876

Ion Ratio Lower Upper

165 100

63 2.1 49.5 74.3#

89 2.0 49.0 73.4#



#53

3-Nitroaniline

Concen: 3.064 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

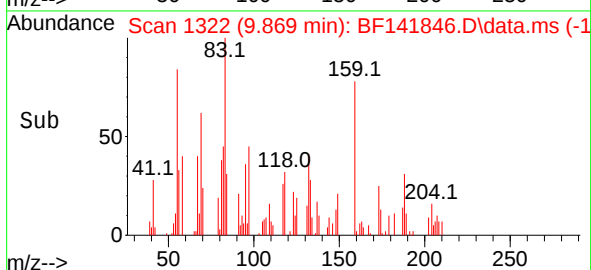
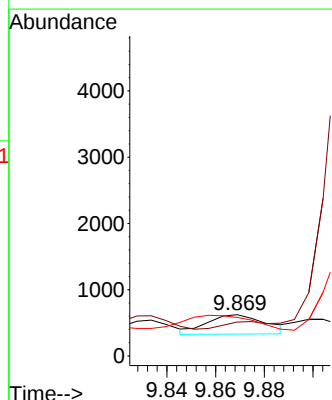
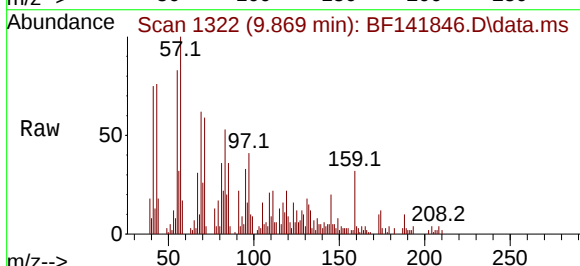
Tgt Ion:138 Resp: 486

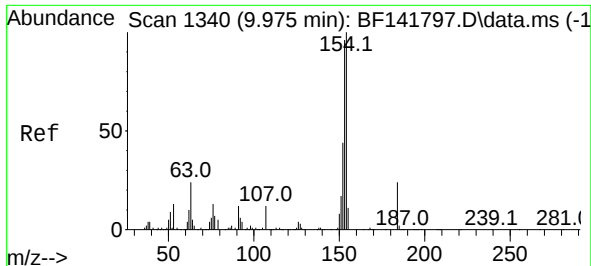
Ion Ratio Lower Upper

138 100

108 82.1 12.7 19.1#

92 93.3 97.9 146.9#

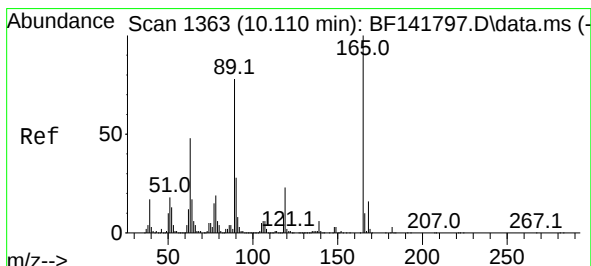
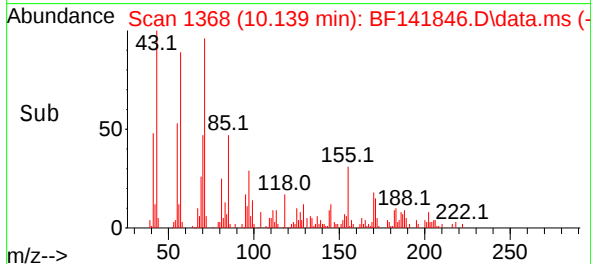
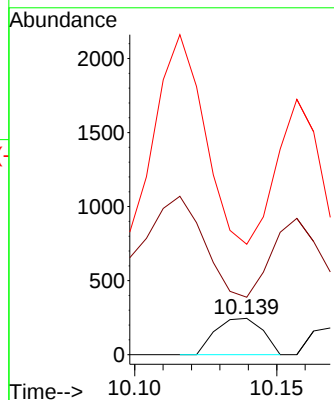
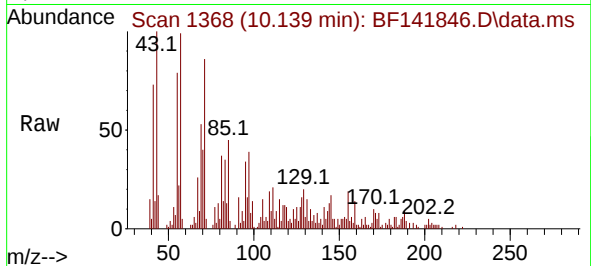




#54
2,4-Dinitrophenol
Concen: 5.963 ng
RT: 10.139 min Scan# 1368
Delta R.T. 0.164 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

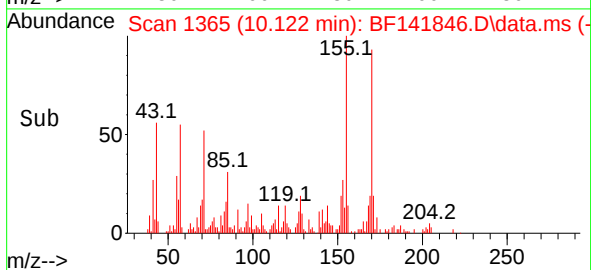
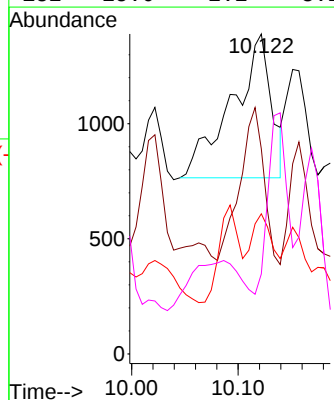
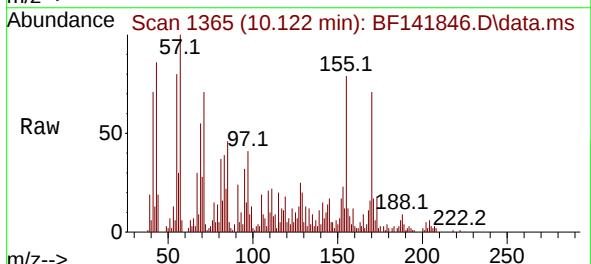
Instrument :
BNA_F
ClientSampleId :
DN-B-42

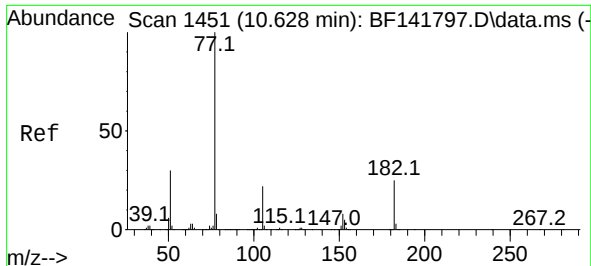
Tgt Ion:184 Resp: 282
Ion Ratio Lower Upper
184 100
63 158.4 79.0 118.6#
154 304.5 335.8 503.8#



#57
2,4-Dinitrotoluene
Concen: 3.802 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.012 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

Tgt Ion:165 Resp: 1604
Ion Ratio Lower Upper
165 100
63 64.1 38.8 58.2#
89 43.8 62.6 94.0#
182 25.0 2.2 3.2#

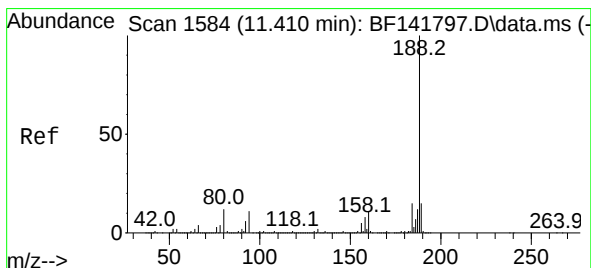
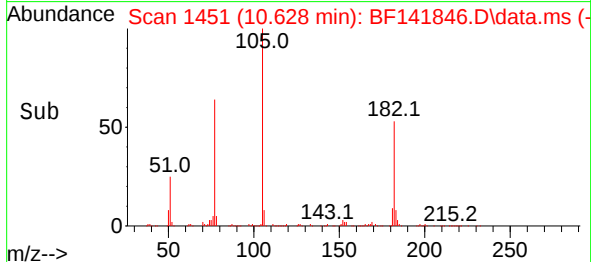
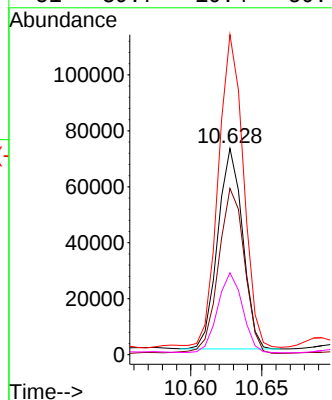
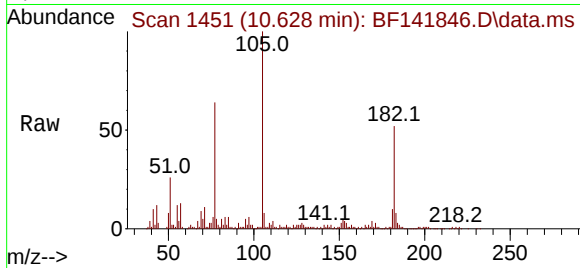




#63
Azobenzene
Concen: 3.607 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

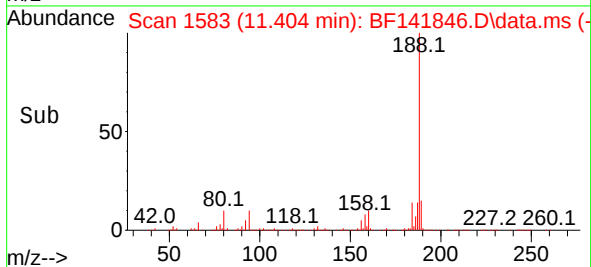
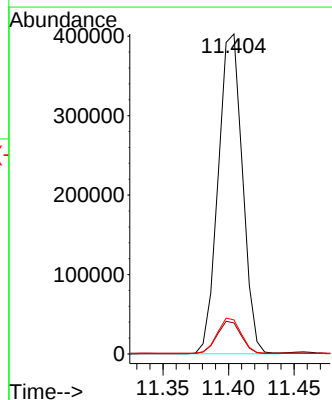
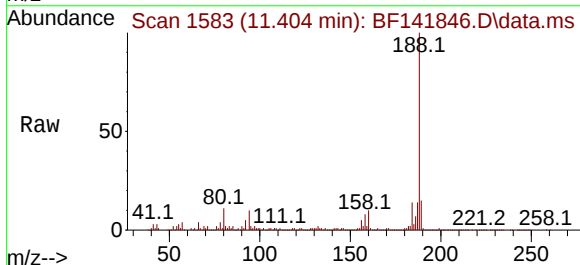
Instrument :
BNA_F
ClientSampleId :
DN-B-42

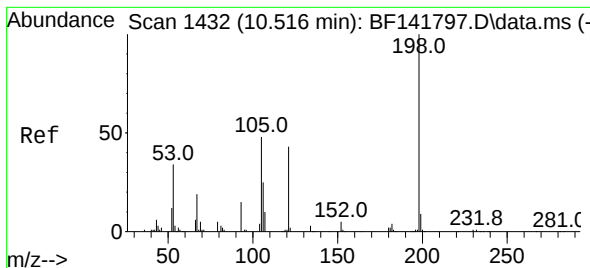
Tgt Ion:	77	Resp:	87546
Ion	Ratio	Lower	Upper
77	100		
182	80.6	4.2	44.2#
105	155.1	1.5	41.5#
51	39.7	10.4	50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

Tgt Ion:	188	Resp:	517666
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.9	13.3
80	10.7	9.7	14.5

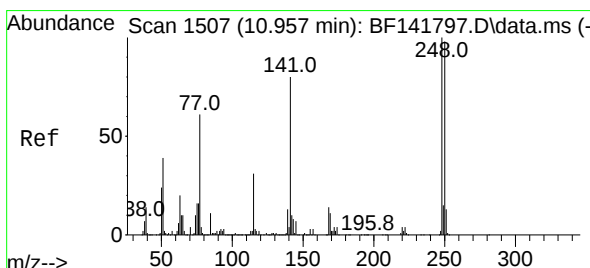
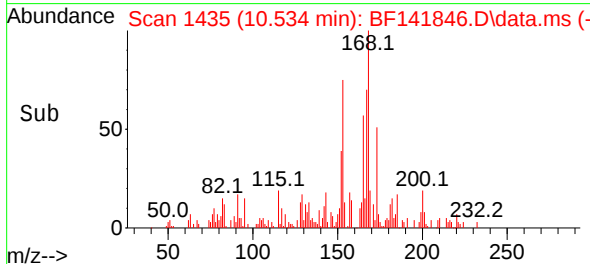
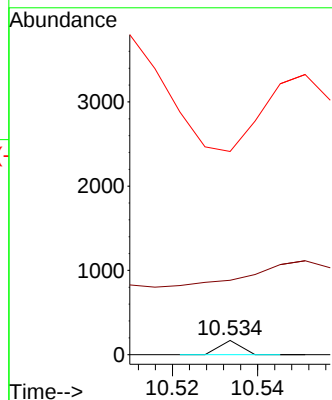
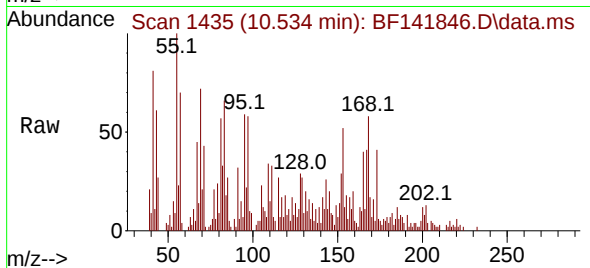




#65
4,6-Dinitro-2-methylphenol
Concen: 8.146 ng
RT: 10.534 min Scan# 1432
Delta R.T. 0.018 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

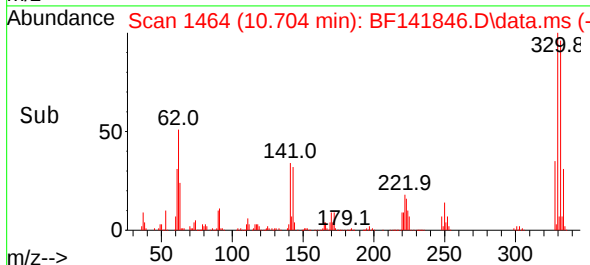
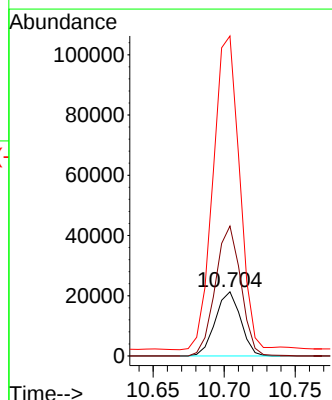
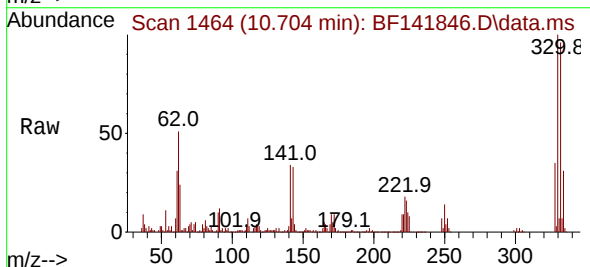
Instrument :
BNA_F
ClientSampleId :
DN-B-42

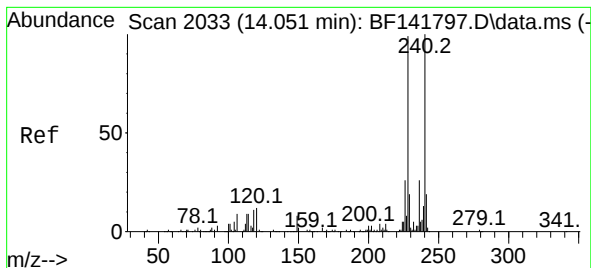
Tgt Ion:198 Resp: 60
Ion Ratio Lower Upper
198 100
51 522.5 32.1 72.1#
105 1427.2 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 4.358 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141846.D
Acq: 05 Mar 2025 16:21

Tgt Ion:248 Resp: 26353
Ion Ratio Lower Upper
248 100
250 202.4 78.1 117.1#
141 498.3 64.3 96.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.018 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

Instrument :

BNA_F

ClientSampleId :

DN-B-42

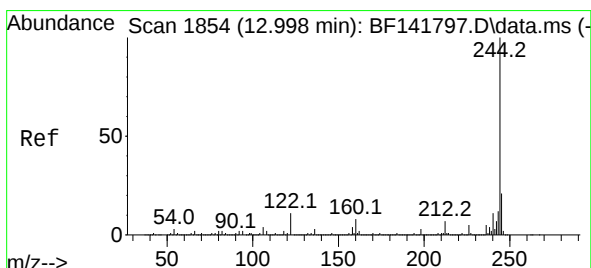
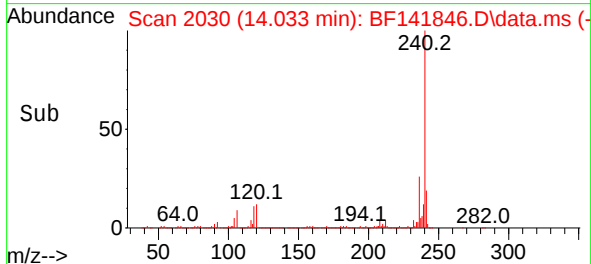
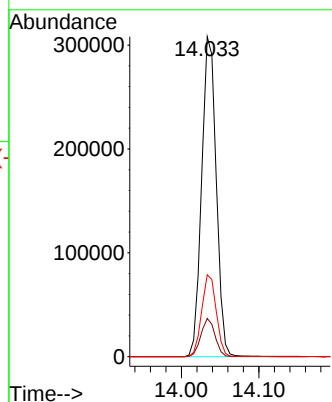
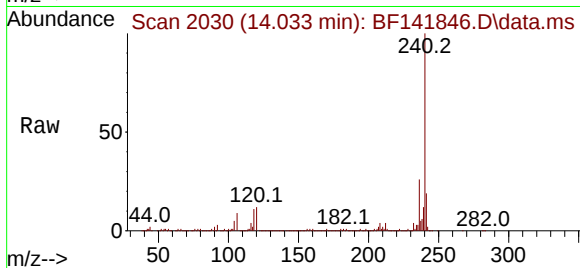
Tgt Ion:240 Resp: 403116

Ion Ratio Lower Upper

240 100

120 12.0 9.7 14.5

236 25.6 21.0 31.4



#79

Terphenyl-d14

Concen: 58.544 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141846.D

Acq: 05 Mar 2025 16:21

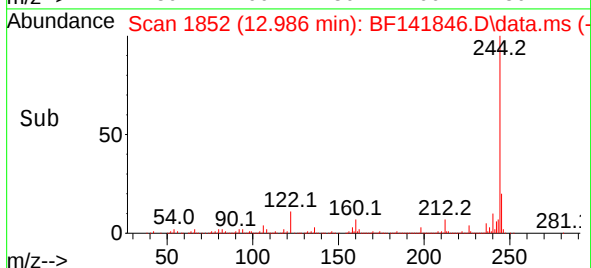
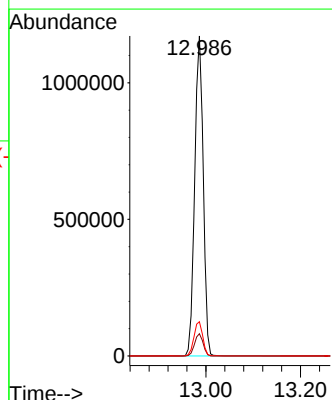
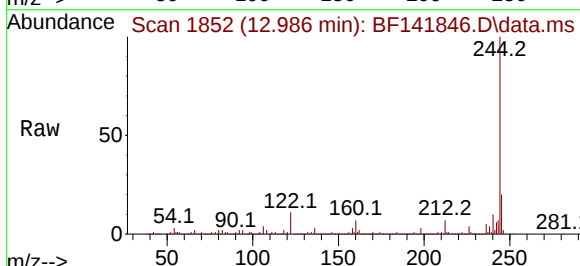
Tgt Ion:244 Resp: 1458673

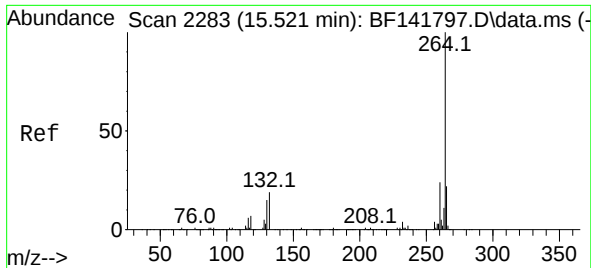
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

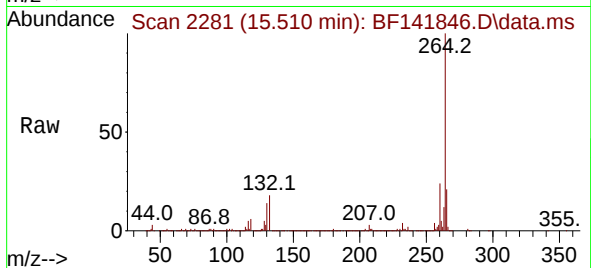
122 10.7 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141846.D
 Acq: 05 Mar 2025 16:21

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-42



Tgt Ion:264 Resp: 459662
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 21.4 17.4 26.0

