

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141825.D
 Acq On : 04 Mar 2025 14:15
 Operator : RC/JU
 Sample : PB166957BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166957BL

Quant Time: Mar 04 14:44:46 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)

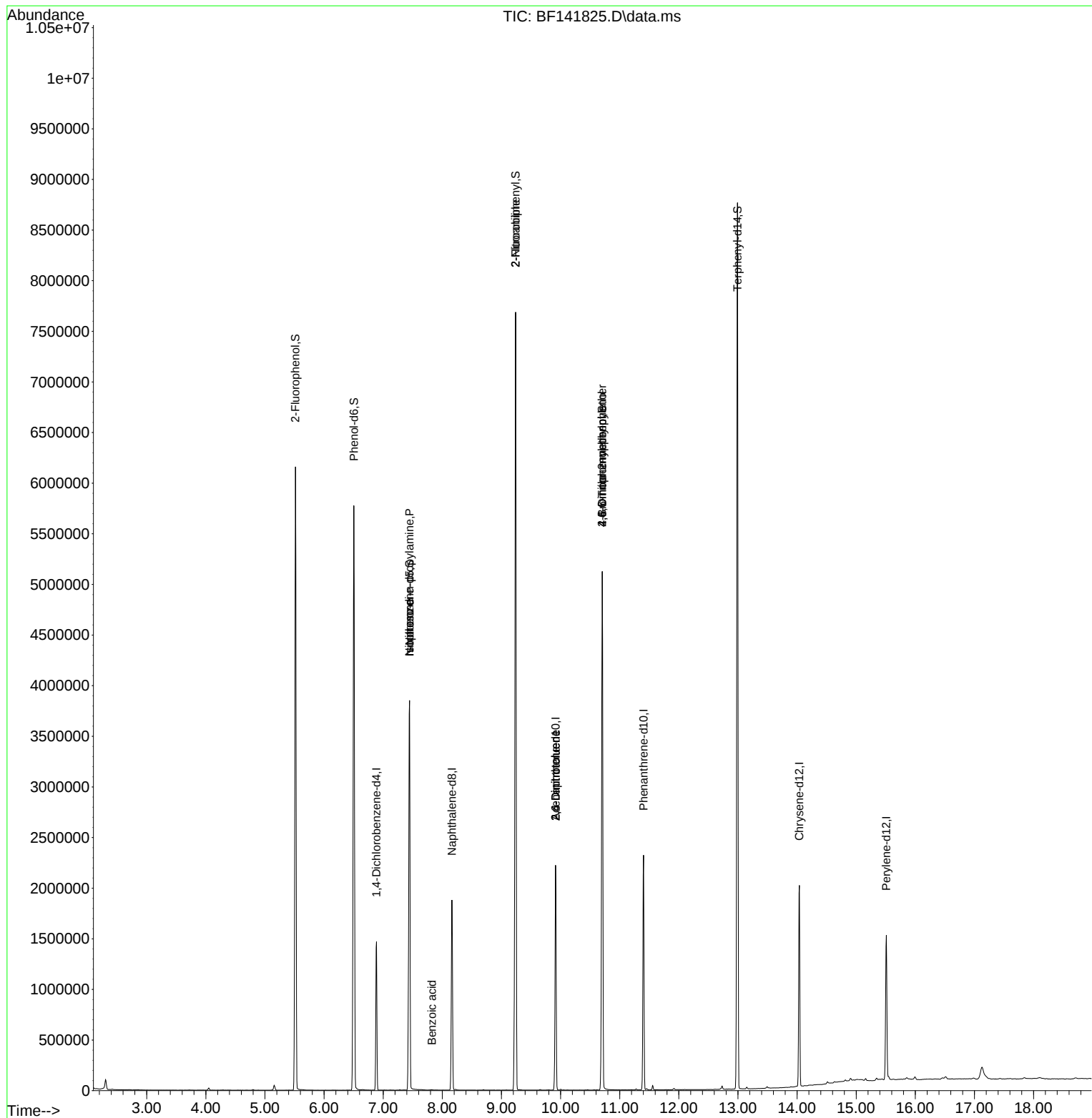
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	311350	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1222403	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	667294	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	1172173	20.000	ng	0.00
76) Chrysene-d12	14.039	240	949625	20.000	ng	-0.01
86) Perylene-d12	15.509	264	798686	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2432538	124.771	ng	0.02
7) Phenol-d6	6.504	99	3022065	119.092	ng	0.00
23) Nitrobenzene-d5	7.445	82	1945265	101.719	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	895521	142.948	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	3655439	87.837	ng	0.00
79) Terphenyl-d14	12.992	244	4392756	74.841	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	270114	16.193	ng	# 80
25) Isophorone	7.445	82	1936654	47.138	ng	# 66
32) Benzoic acid	7.822	122	1023	7.759	ng	93
48) 2-Nitroaniline	9.239	65	6682	4.931	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	88651	12.588	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	88651	11.392	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	2414	8.489	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	61935	4.524	ng	# 1

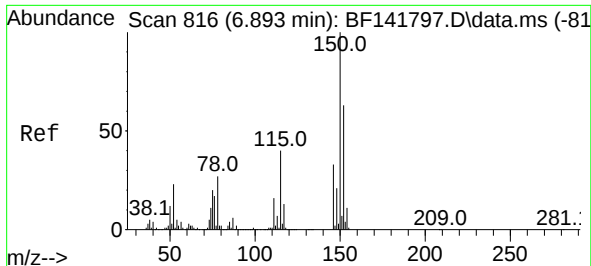
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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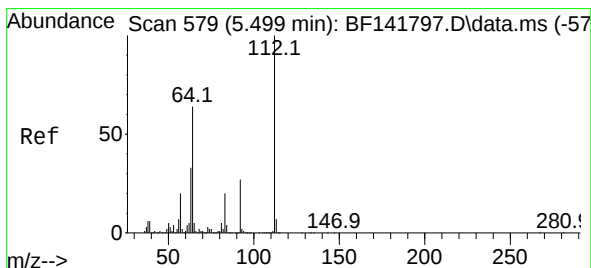
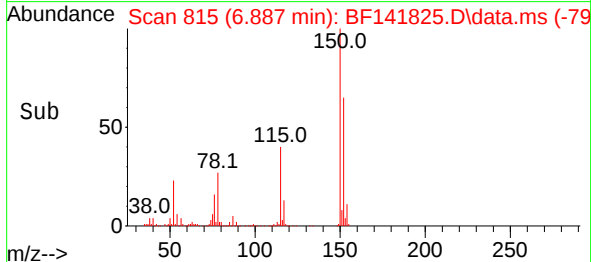
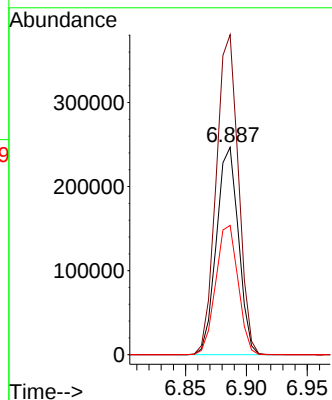
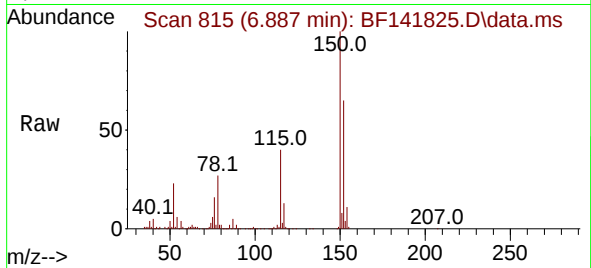




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

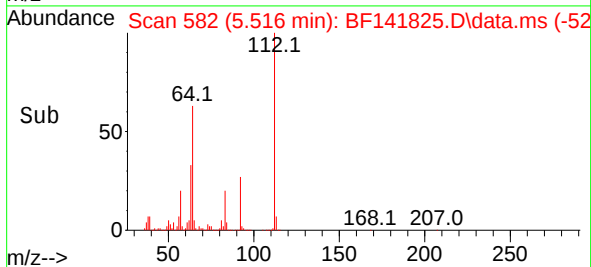
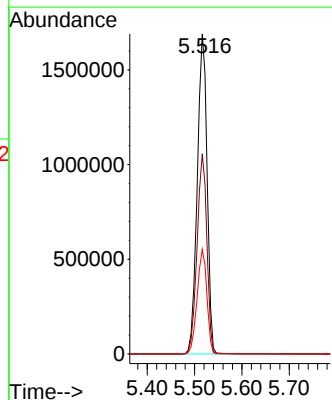
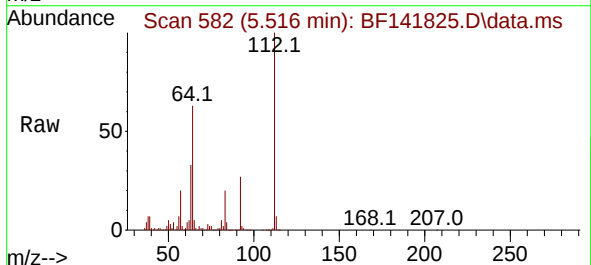
Instrument :
BNA_F
ClientSampleId :
PB166957BL

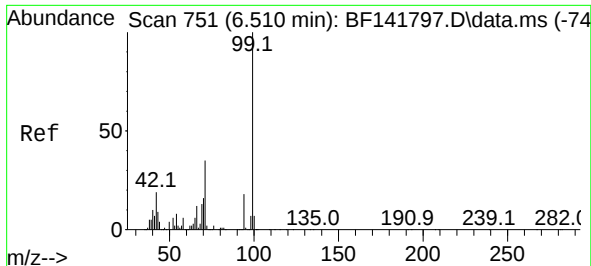
Tgt Ion:152 Resp: 311350
Ion Ratio Lower Upper
152 100
150 154.3 127.5 191.3
115 62.3 51.4 77.2



#5
2-Fluorophenol
Concen: 124.771 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.017 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:112 Resp: 2432538
Ion Ratio Lower Upper
112 100
64 62.5 51.3 76.9
63 32.7 26.2 39.4

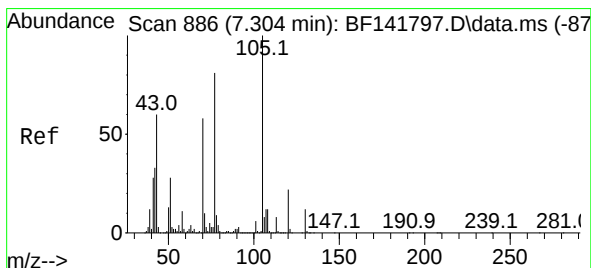
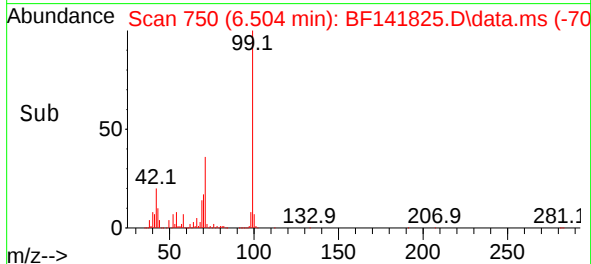
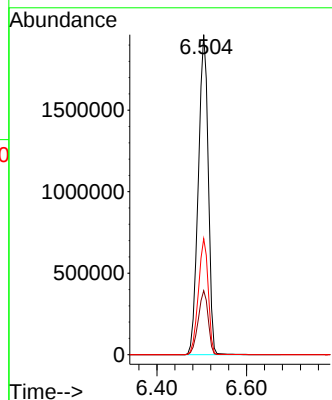
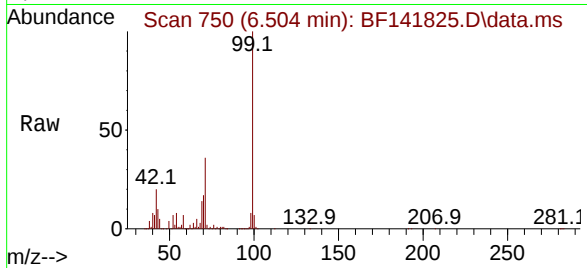




#7
Phenol-d6
Concen: 119.092 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

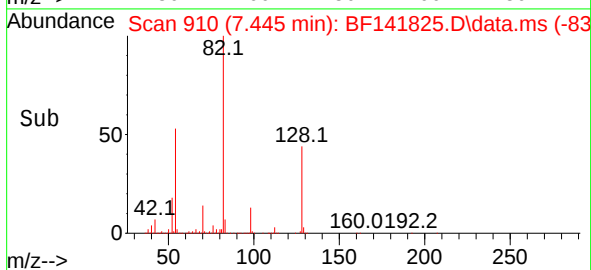
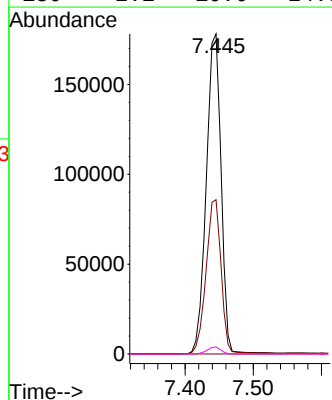
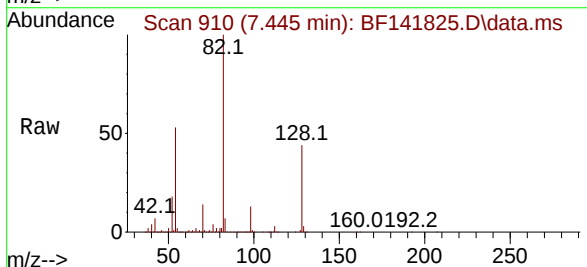
Instrument :
BNA_F
ClientSampleId :
PB166957BL

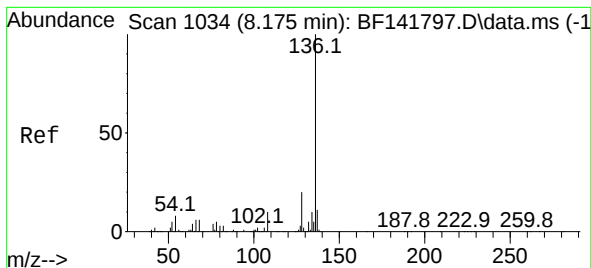
Tgt Ion: 99 Resp: 3022065
Ion Ratio Lower Upper
99 100
42 20.0 15.2 22.8
71 36.3 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.193 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion: 70 Resp: 270114
Ion Ratio Lower Upper
70 100
42 48.2 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: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA_F

ClientSampleId :

PB166957BL

Tgt Ion:136 Resp: 1222403

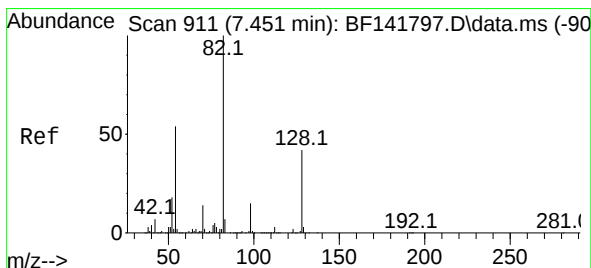
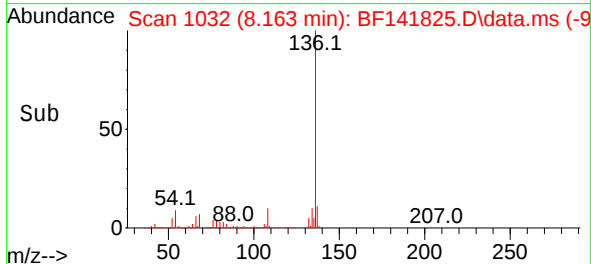
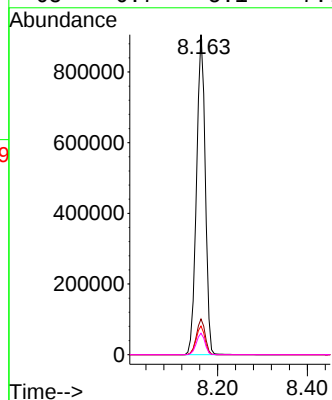
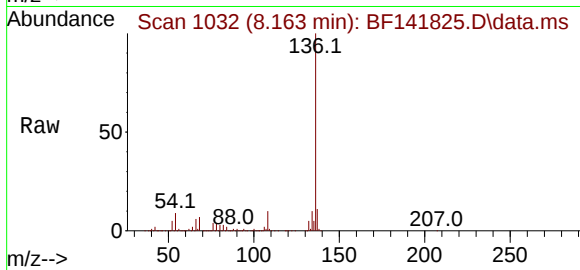
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.9 6.9 10.3

68 6.7 5.1 7.7



#23

Nitrobenzene-d5

Concen: 101.719 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

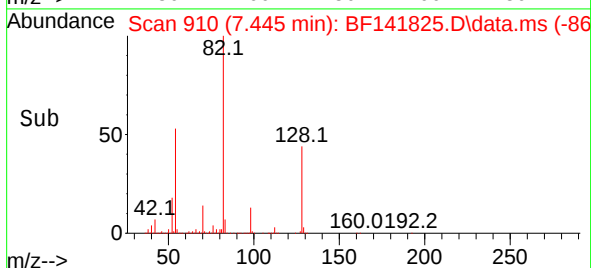
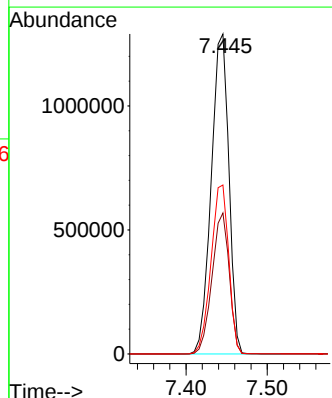
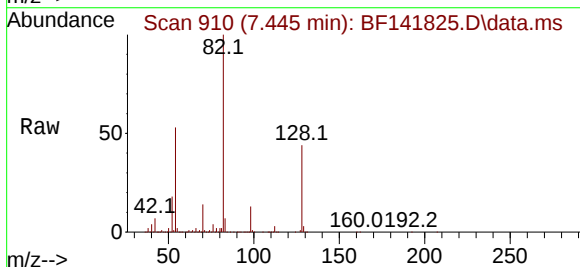
Tgt Ion: 82 Resp: 1945265

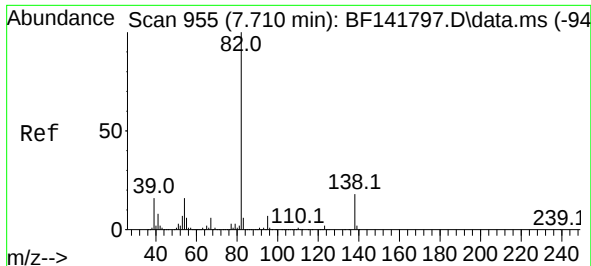
Ion Ratio Lower Upper

82 100

128 44.0 33.5 50.3

54 52.8 42.7 64.1





#25

Isophorone

Concen: 47.138 ng

RT: 7.445 min Scan# 91

Delta R.T. -0.265 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA_F

ClientSampleId :

PB166957BL

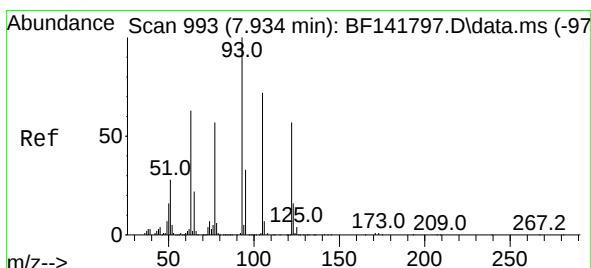
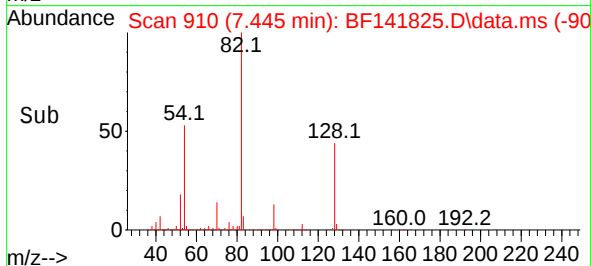
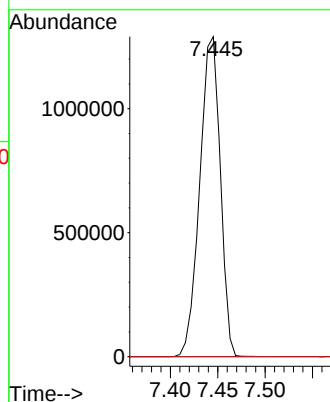
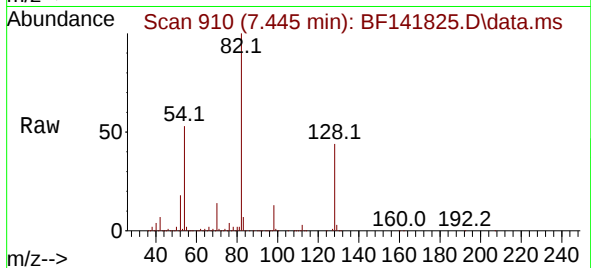
Tgt Ion: 82 Resp: 1936654

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 14.0 21.0#



#32

Benzoic acid

Concen: 7.759 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.112 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

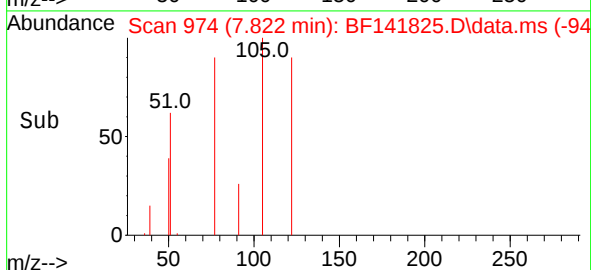
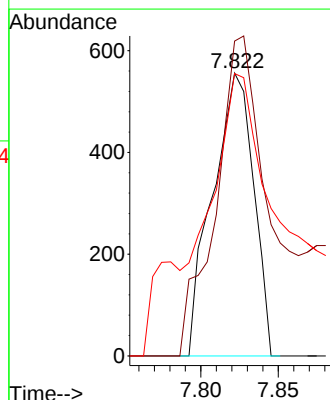
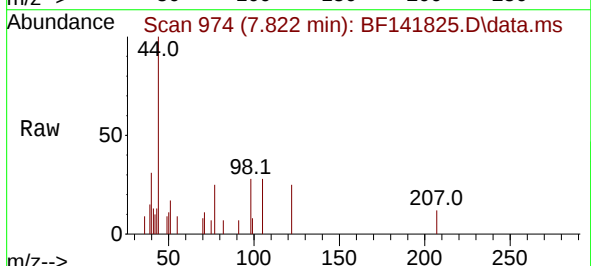
Tgt Ion:122 Resp: 1023

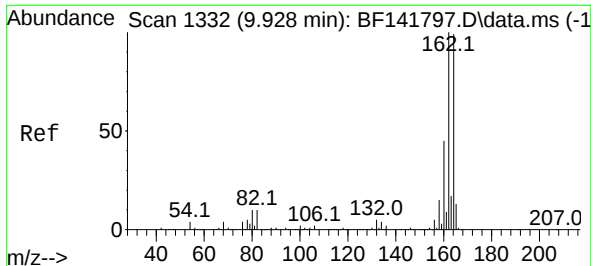
Ion Ratio Lower Upper

122 100

105 111.3 105.8 145.8

77 99.8 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1416

Delta R.T. -0.012 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA_F

ClientSampleId :

PB166957BL

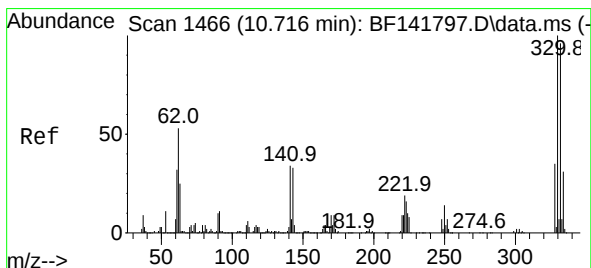
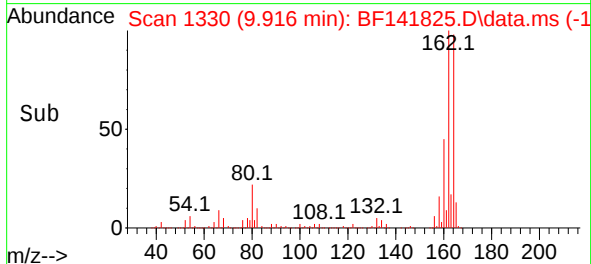
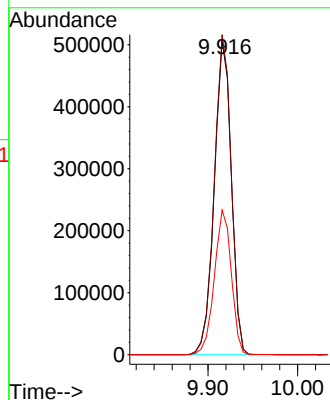
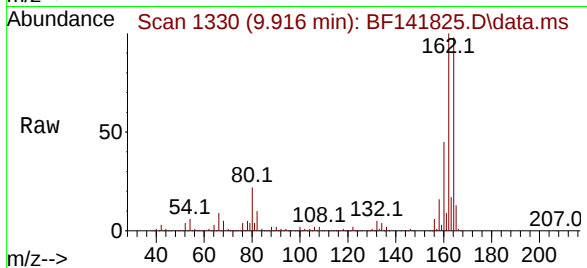
Tgt Ion:164 Resp: 667294

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

160 46.0 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 142.948 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

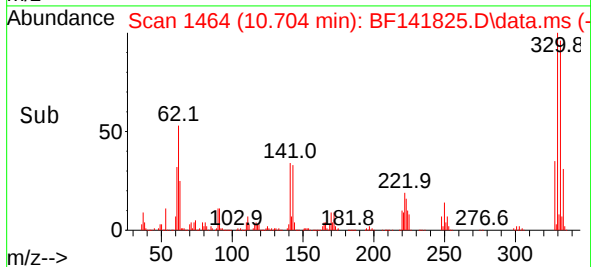
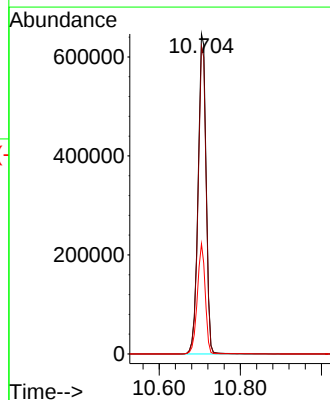
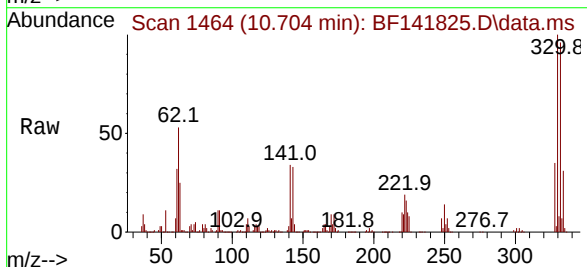
Tgt Ion:330 Resp: 895521

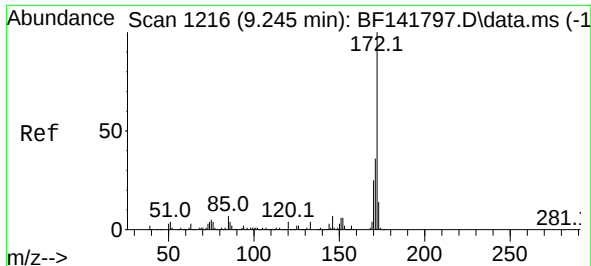
Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

141 33.9 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 87.837 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA_F

ClientSampleId :

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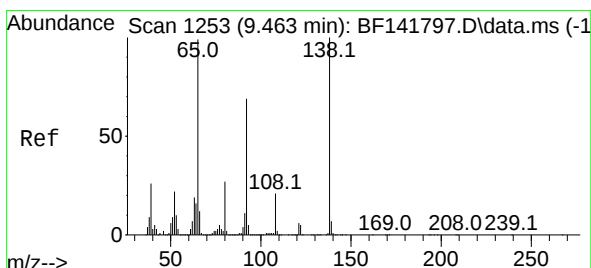
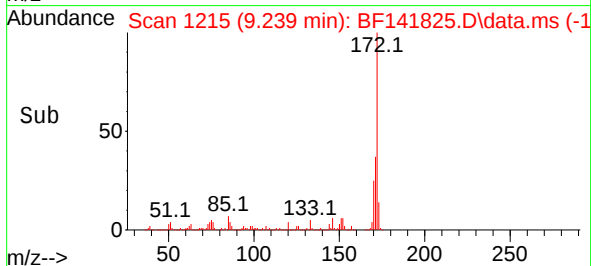
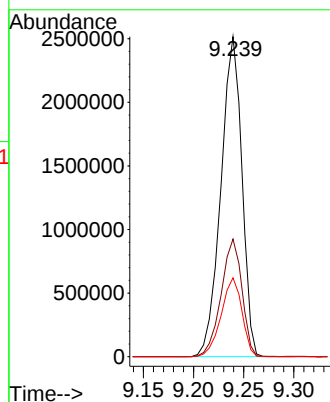
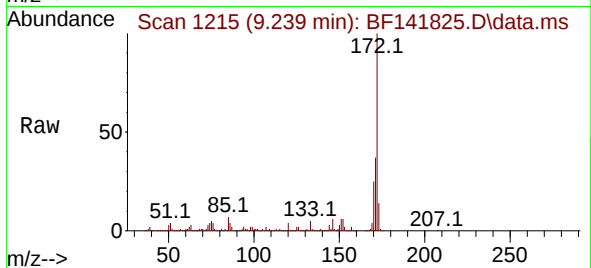
Tgt Ion:172 Resp: 3655439

Ion Ratio Lower Upper

172 100

171 36.8 29.2 43.8

170 24.6 19.7 29.5



#48

2-Nitroaniline

Concen: 4.931 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.224 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

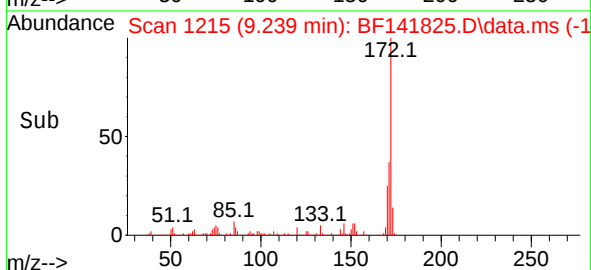
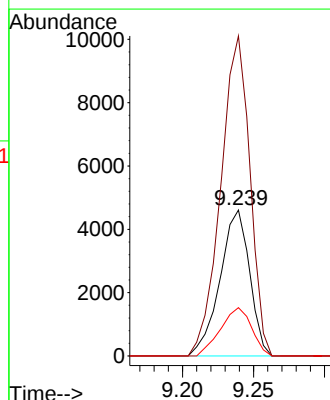
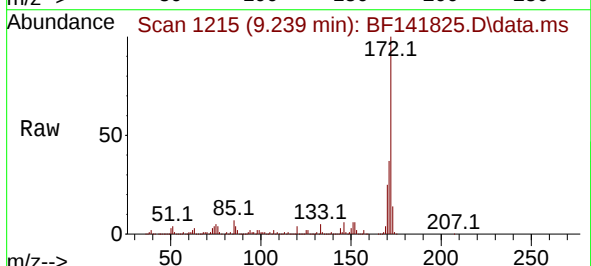
Tgt Ion: 65 Resp: 6682

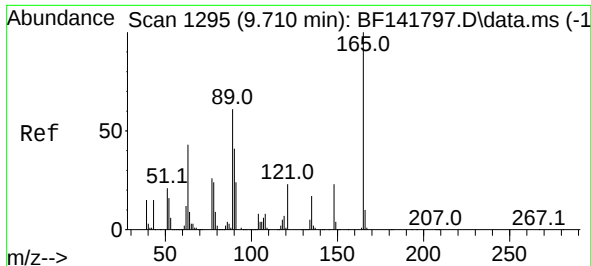
Ion Ratio Lower Upper

65 100

92 219.3 55.7 83.5#

138 33.2 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.588 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA_F

ClientSampleId :

PB166957BL

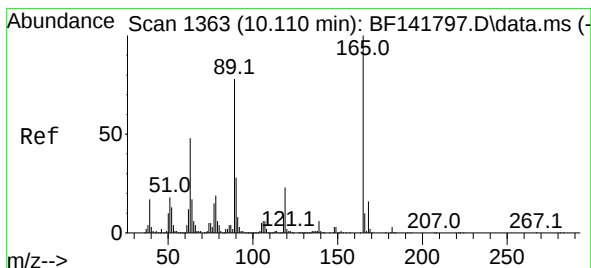
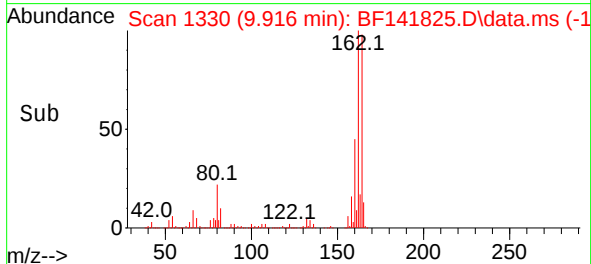
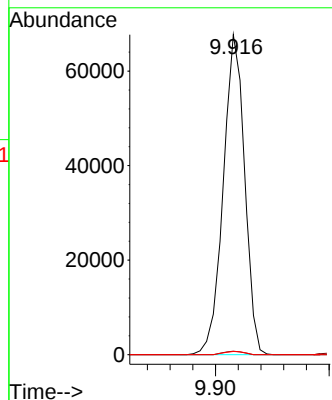
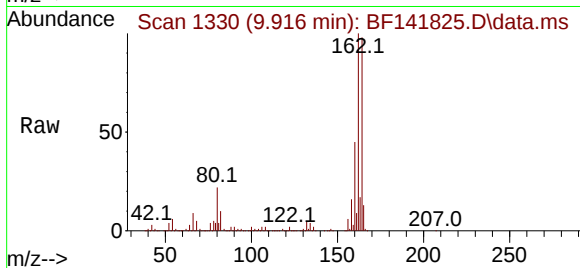
Tgt Ion:165 Resp: 88651

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.0 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 11.392 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Tgt Ion:165 Resp: 88651

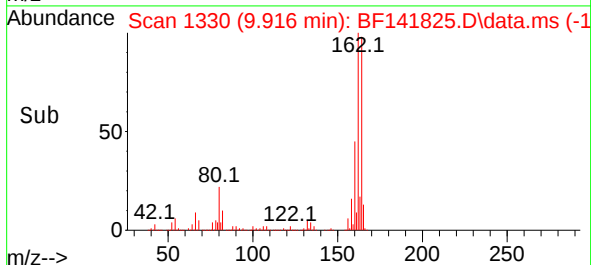
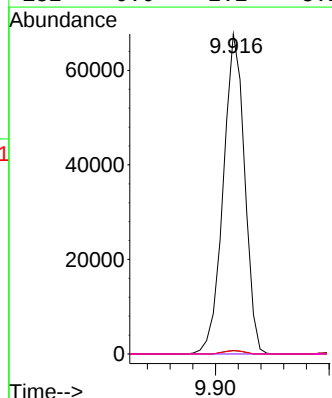
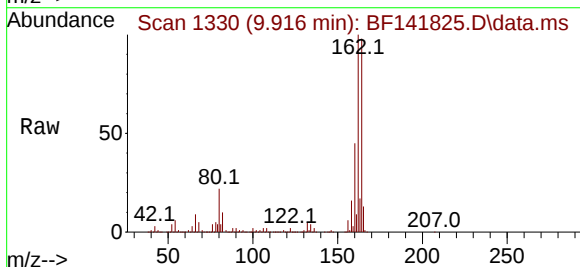
Ion Ratio Lower Upper

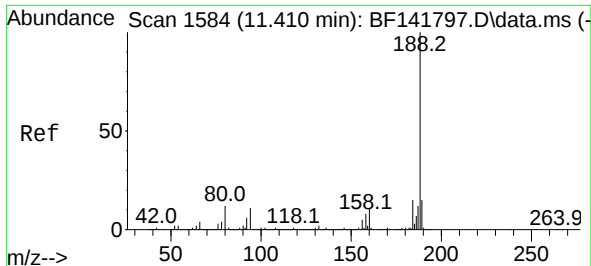
165 100

63 1.1 38.8 58.2#

89 1.0 62.6 94.0#

182 0.0 2.2 3.2#

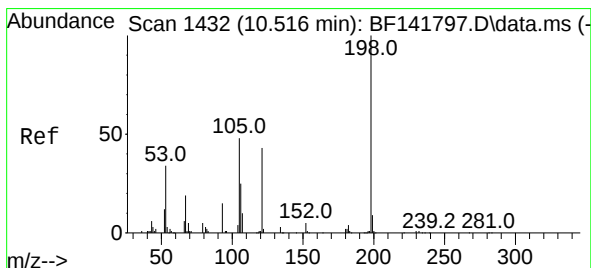
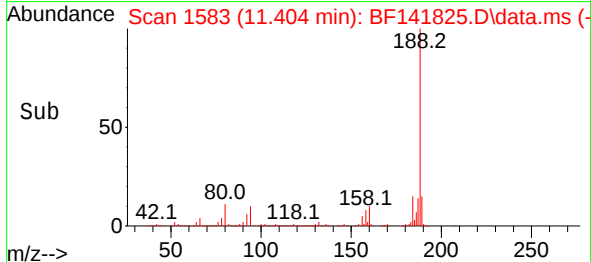
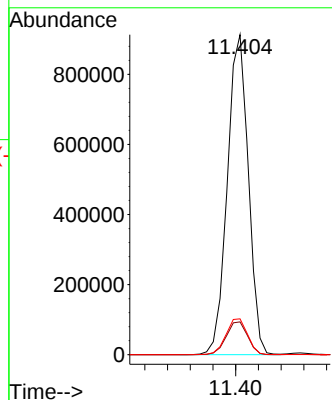
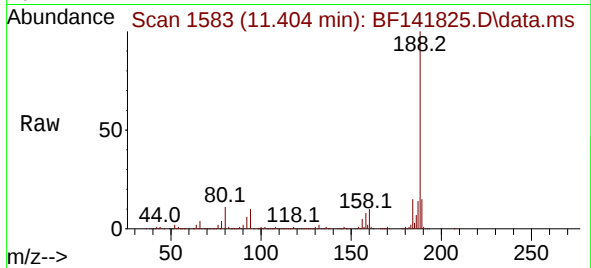




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

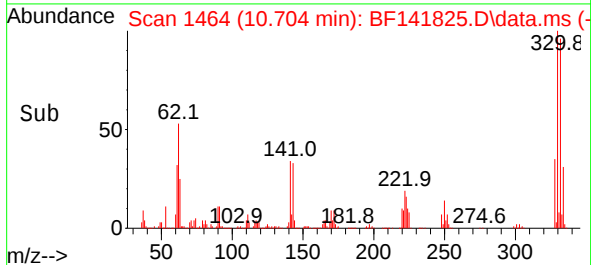
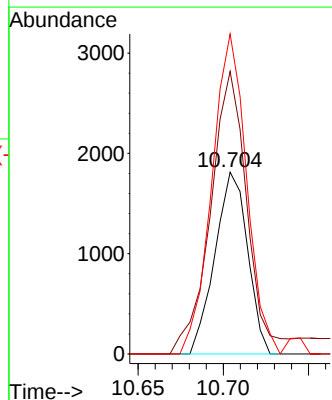
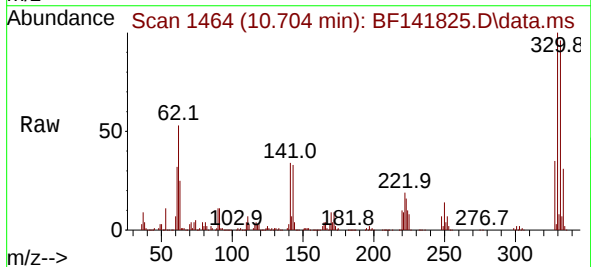
Instrument :
BNA_F
ClientSampleId :
PB166957BL

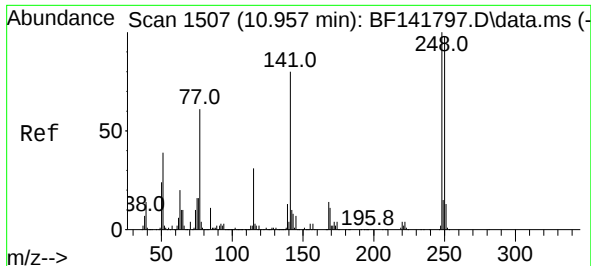
Tgt Ion:188 Resp: 1172173
Ion Ratio Lower Upper
188 100
94 10.2 8.9 13.3
80 11.2 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.489 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:198 Resp: 2414
Ion Ratio Lower Upper
198 100
51 155.4 32.1 72.1#
105 176.0 28.5 68.5#





#67

4-Bromophenyl-phenylether

Concen: 4.524 ng

RT: 10.704 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA_F

ClientSampleId :

PB166957BL

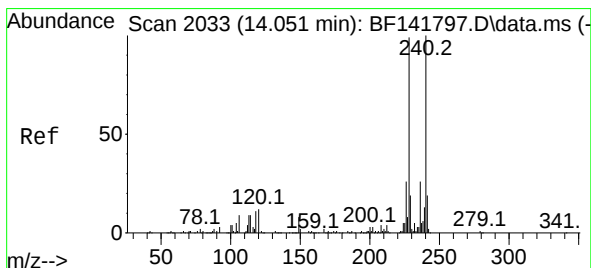
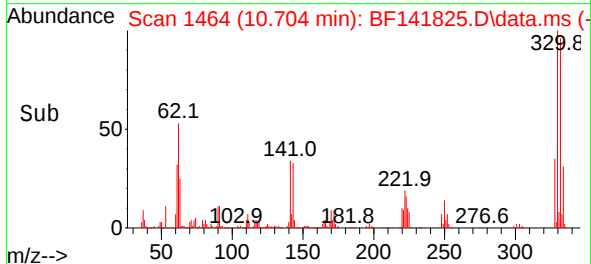
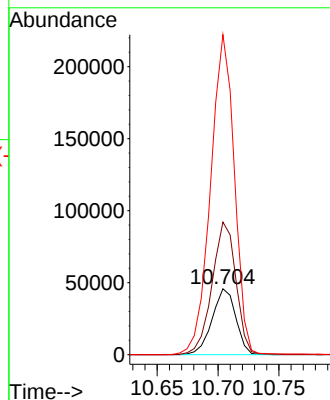
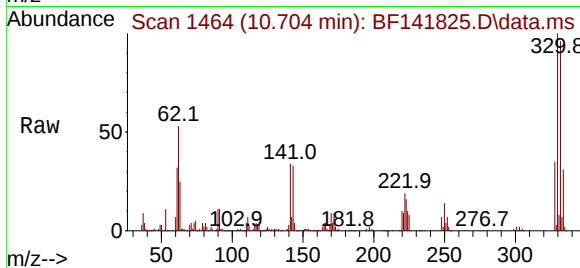
Tgt Ion:248 Resp: 61935

Ion Ratio Lower Upper

248 100

250 201.5 78.1 117.1#

141 485.9 64.3 96.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

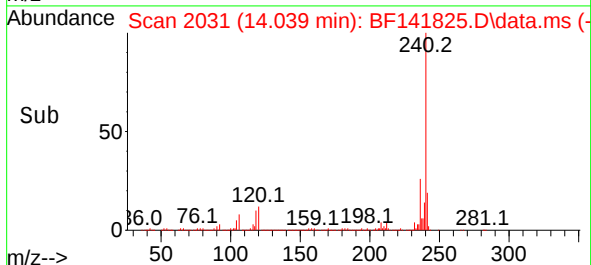
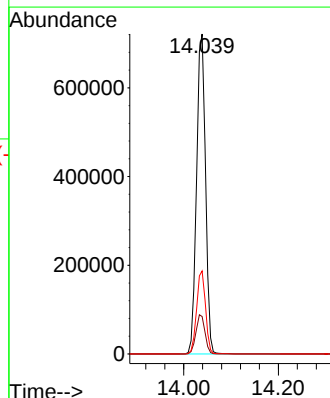
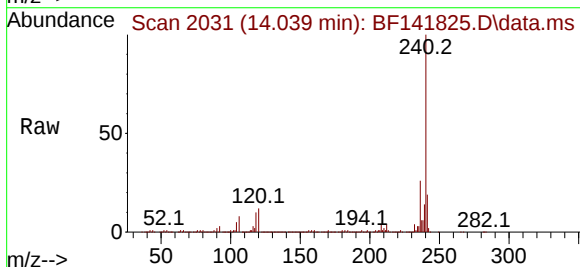
Tgt Ion:240 Resp: 949625

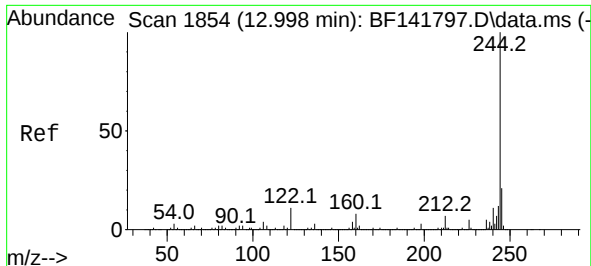
Ion Ratio Lower Upper

240 100

120 11.7 9.7 14.5

236 26.0 21.0 31.4





#79

Terphenyl-d14

Concen: 74.841 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA_F

ClientSampleId :

PB166957BL

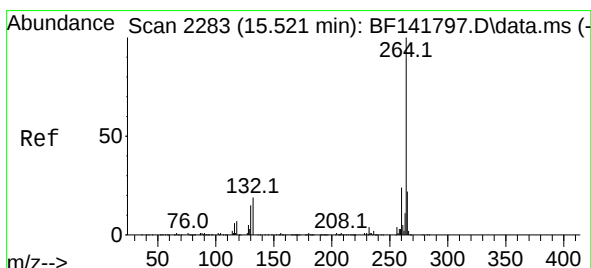
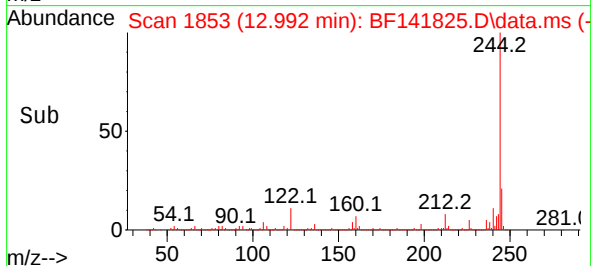
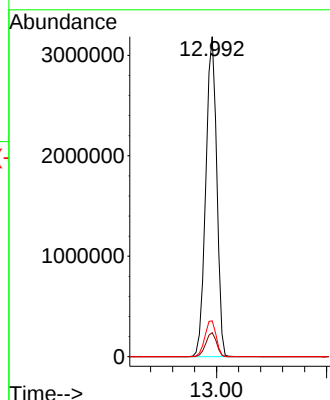
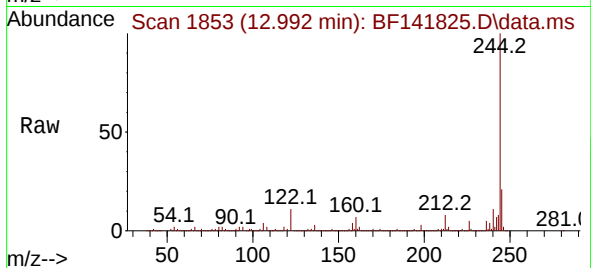
Tgt Ion:244 Resp: 4392756

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.2 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Tgt Ion:264 Resp: 798686

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 22.2 17.4 26.0

