

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141883.D
 Acq On : 07 Mar 2025 09:26
 Operator : RC/JU
 Sample : PB167016BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167016BL

Quant Time: Mar 07 10:00:35 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)

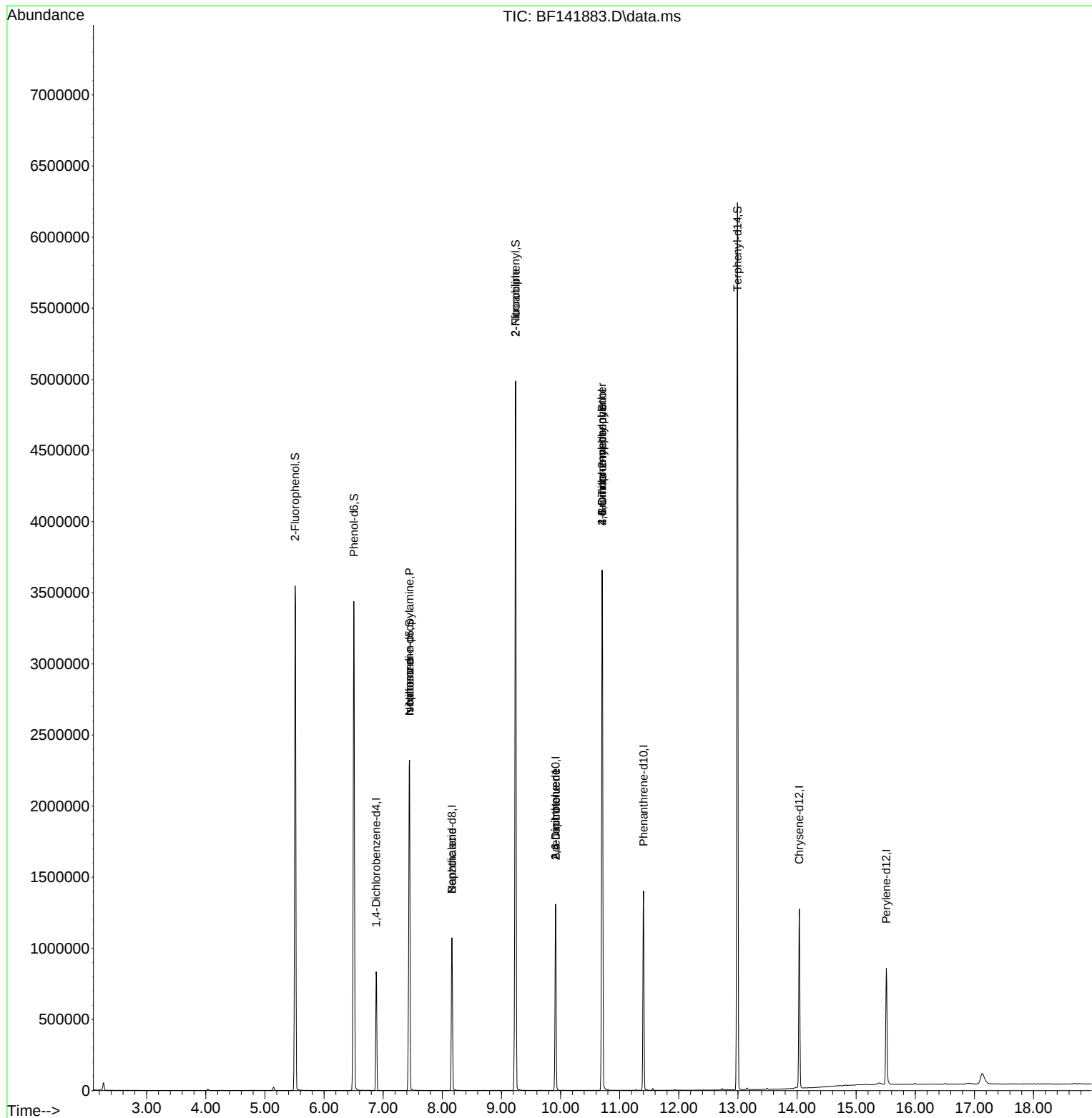
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	178277	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	706438	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	393220	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	712186	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	610478	20.000	ng	-0.01
86) Perylene-d12	15.510	264	476523	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1443849	129.339	ng	0.01
7) Phenol-d6	6.504	99	1765527	121.509	ng	0.00
23) Nitrobenzene-d5	7.445	82	1186795	107.384	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	671746	181.965	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2307655	94.100	ng	0.00
79) Terphenyl-d14	12.992	244	3176733	84.191	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	163733	17.142	ng	# 76
25) Isophorone	7.445	82	1180505	49.719	ng	# 66
32) Benzoic acid	8.163	122	201	7.714	ng	# 1
48) 2-Nitroaniline	9.239	65	4018	4.944	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	50103	12.188	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	50103	11.070	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	1524	8.504	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	43671	5.250	ng	# 1

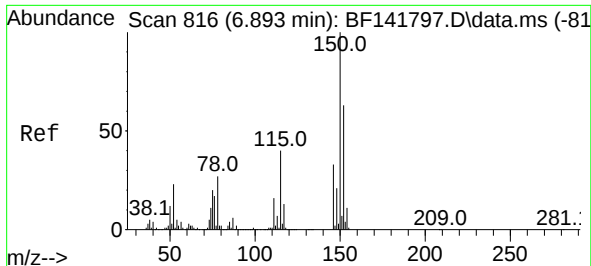
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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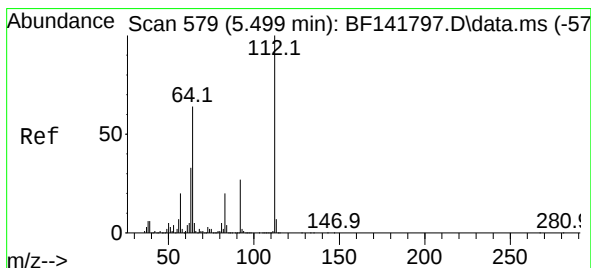
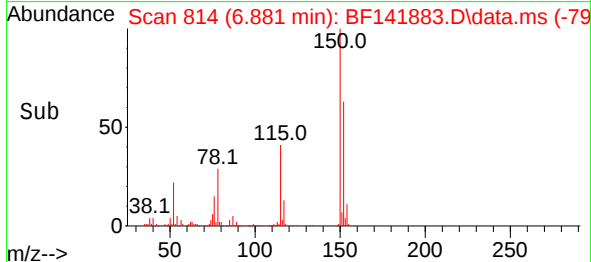
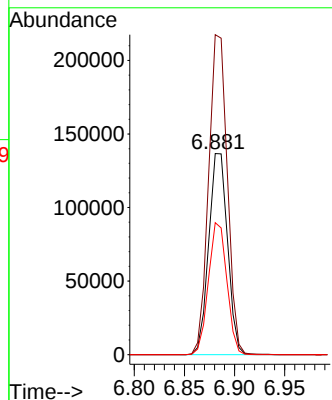
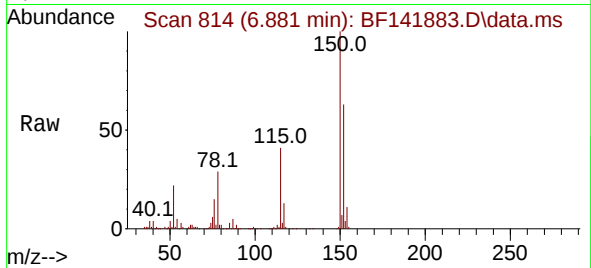




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

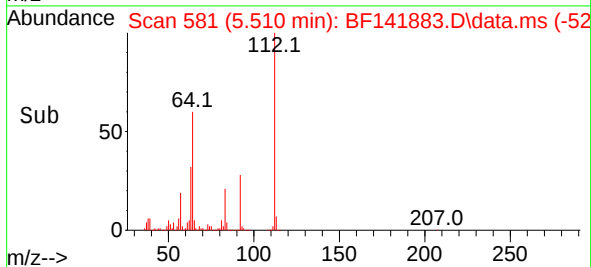
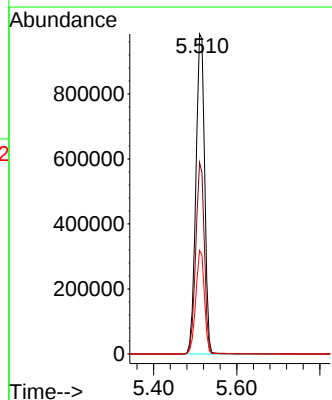
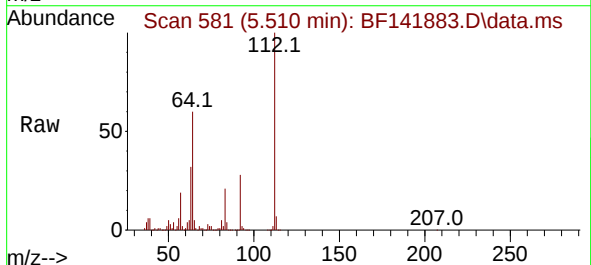
Instrument :
BNA_F
ClientSampleId :
PB167016BL

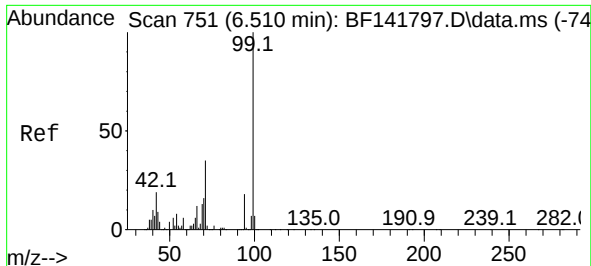
Tgt Ion:152 Resp: 178277
Ion Ratio Lower Upper
152 100
150 159.1 127.5 191.3
115 65.6 51.4 77.2



#5
2-Fluorophenol
Concen: 129.339 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:112 Resp: 1443849
Ion Ratio Lower Upper
112 100
64 59.9 51.3 76.9
63 32.4 26.2 39.4

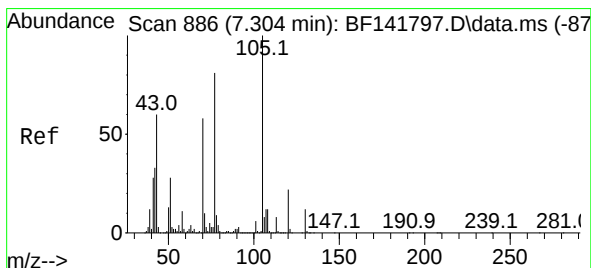
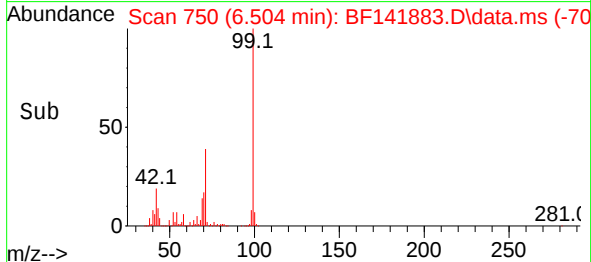
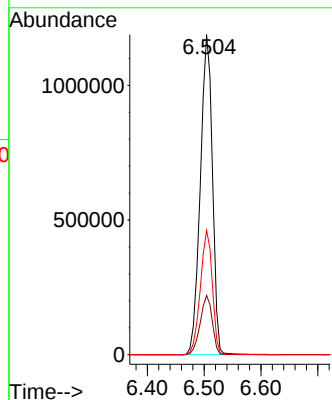
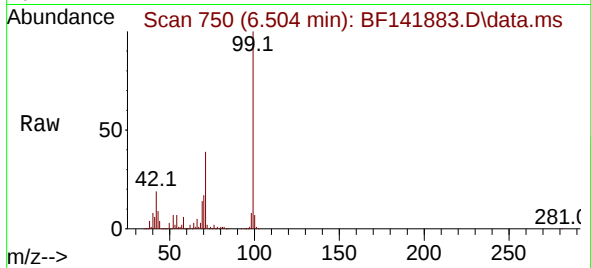




#7
Phenol-d6
Concen: 121.509 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

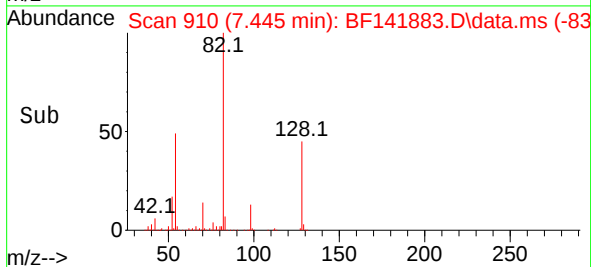
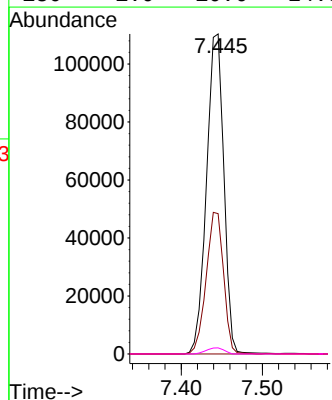
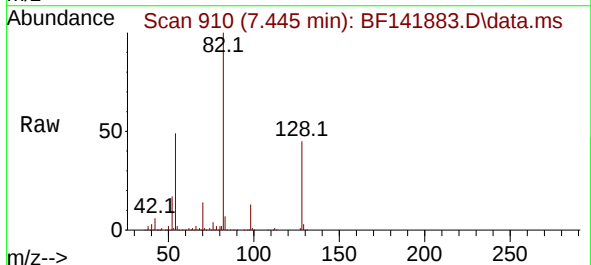
Instrument :
BNA_F
ClientSampleId :
PB167016BL

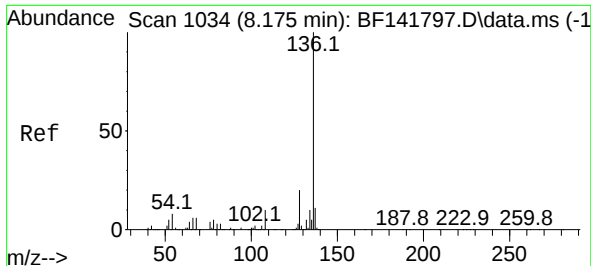
Tgt Ion: 99 Resp: 1765527
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 38.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.142 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion: 70 Resp: 163733
Ion Ratio Lower Upper
70 100
42 43.9 45.4 68.0#
101 0.0 7.8 11.8#
130 1.9 16.6 24.8#

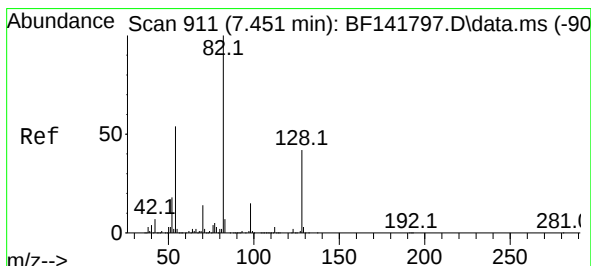
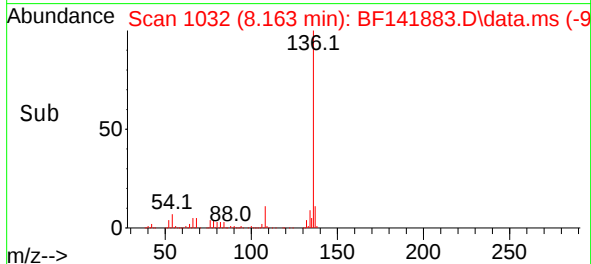
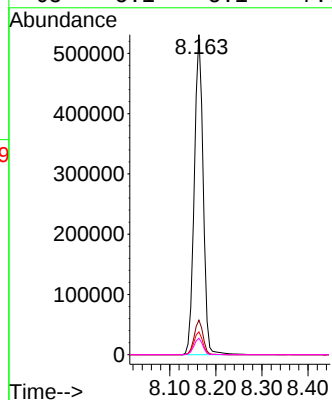
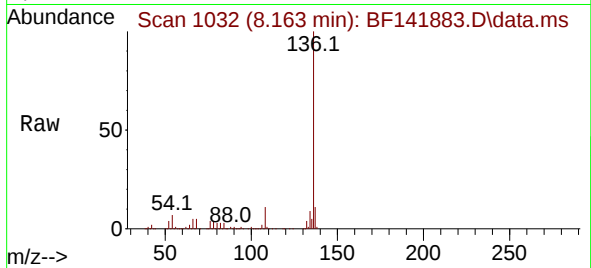




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

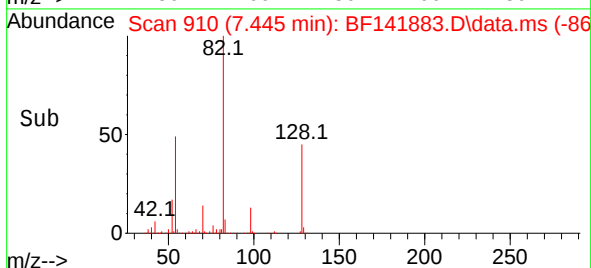
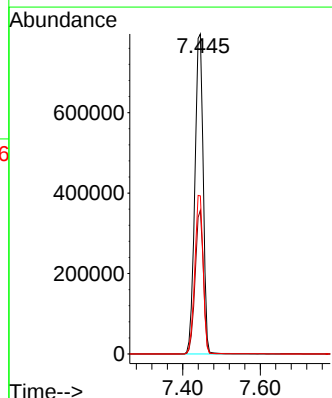
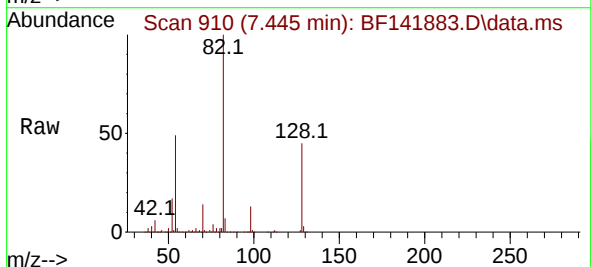
Instrument :
BNA_F
ClientSampleId :
PB167016BL

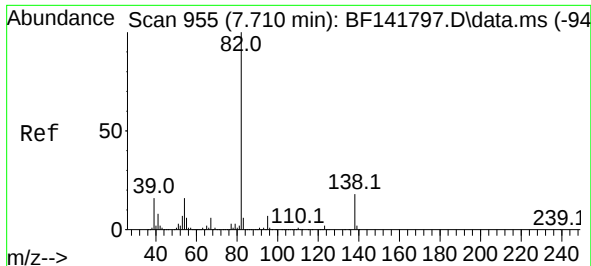
Tgt Ion:136 Resp: 706438
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.1 6.9 10.3
68 5.1 5.1 7.7#



#23
Nitrobenzene-d5
Concen: 107.384 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion: 82 Resp: 1186795
Ion Ratio Lower Upper
82 100
128 44.9 33.5 50.3
54 49.4 42.7 64.1

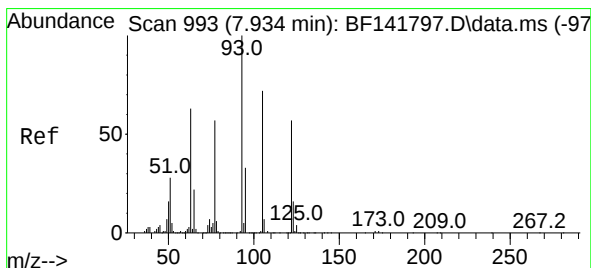
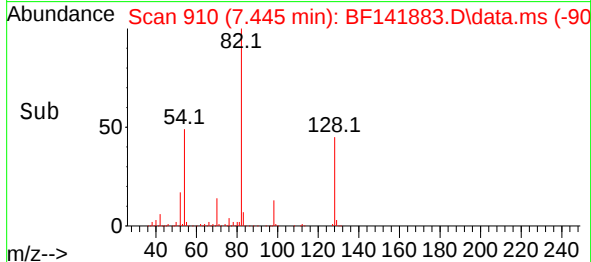
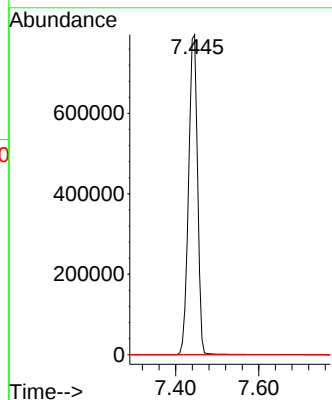
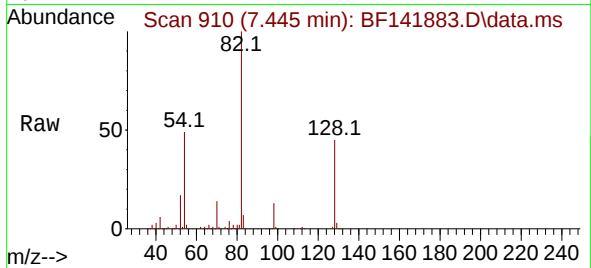




#25
Isophorone
Concen: 49.719 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

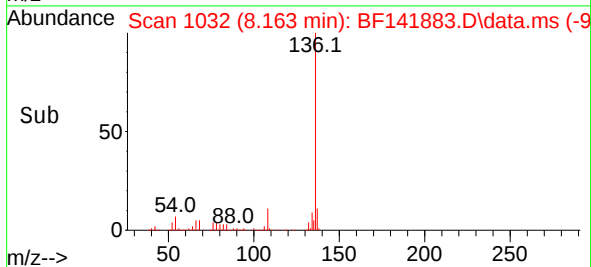
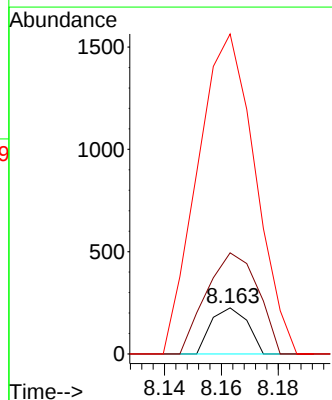
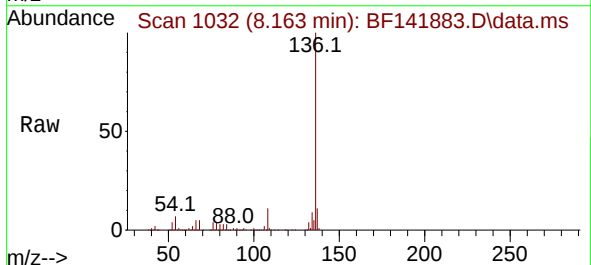
Instrument :
BNA_F
ClientSampleId :
PB167016BL

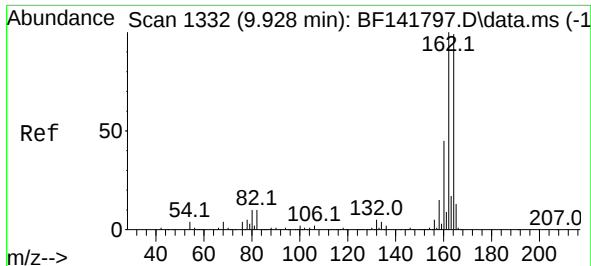
Tgt Ion: 82 Resp: 1180505
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.714 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.229 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:122 Resp: 201
Ion Ratio Lower Upper
122 100
105 219.6 105.8 145.8#
77 695.1 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1418

Delta R.T. -0.012 min

Lab File: BF141883.D

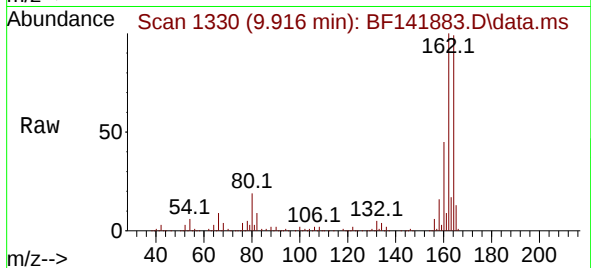
Acq: 07 Mar 2025 09:26

Instrument :

BNA_F

ClientSampleId :

PB167016BL



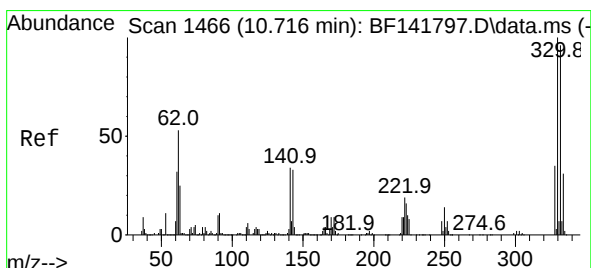
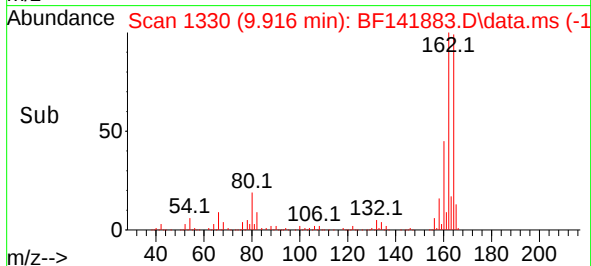
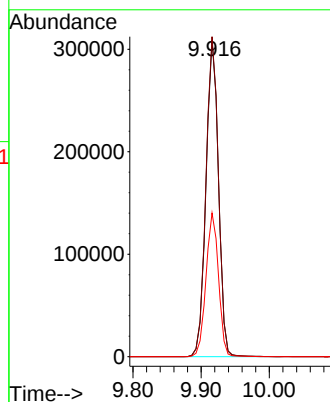
Tgt Ion:164 Resp: 393220

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 181.965 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

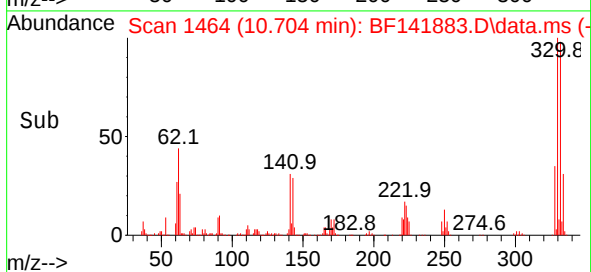
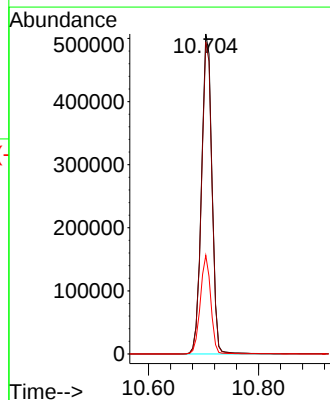
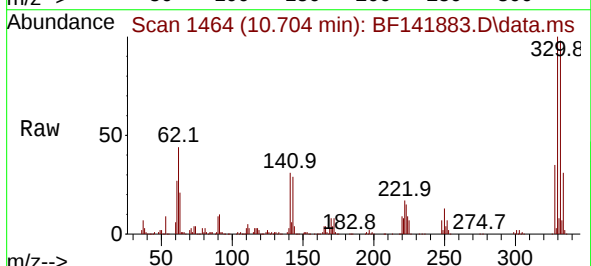
Tgt Ion:330 Resp: 671746

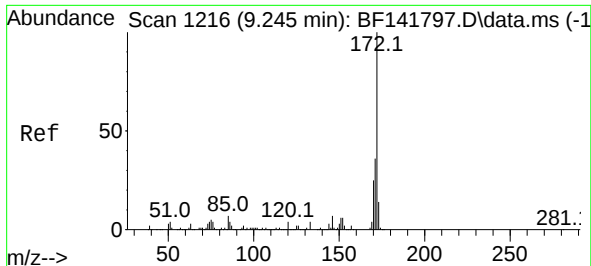
Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

141 30.8 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 94.100 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Instrument :

BNA_F

ClientSampleId :

PB167016BL

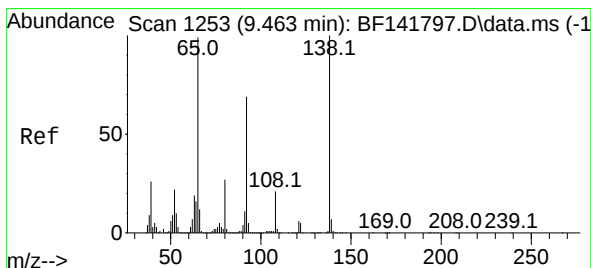
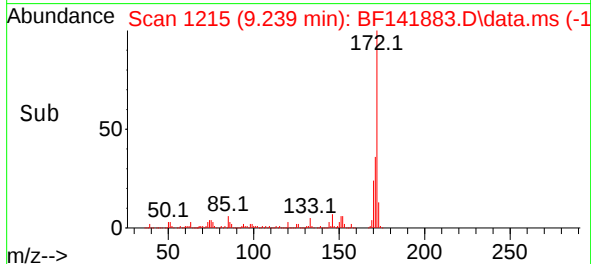
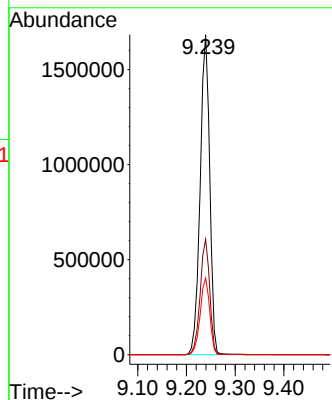
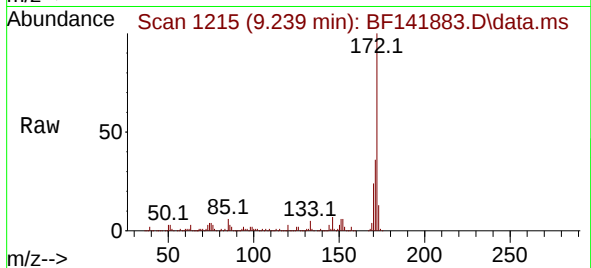
Tgt Ion:172 Resp: 2307655

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 24.0 19.7 29.5



#48

2-Nitroaniline

Concen: 4.944 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.224 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

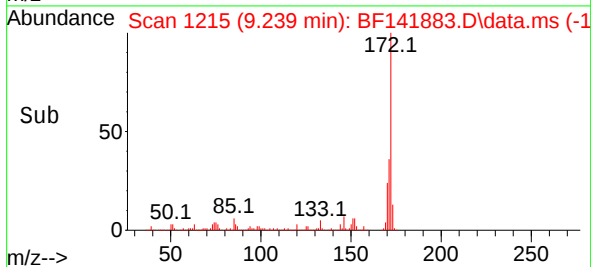
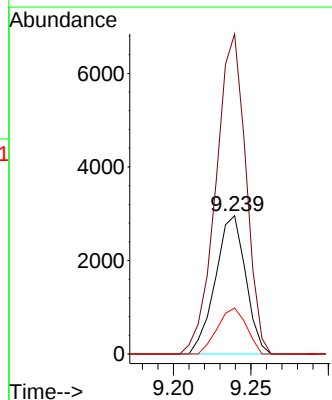
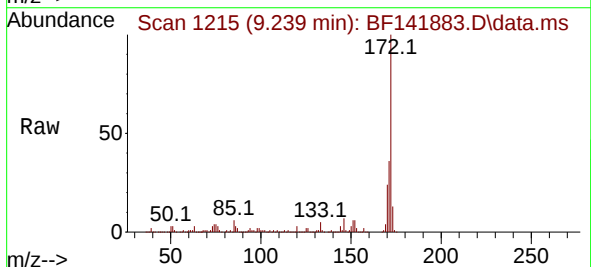
Tgt Ion: 65 Resp: 4018

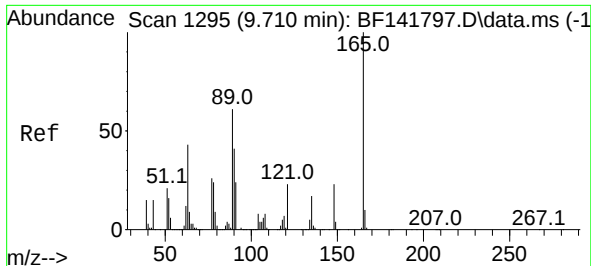
Ion Ratio Lower Upper

65 100

92 231.4 55.7 83.5#

138 33.3 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.188 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

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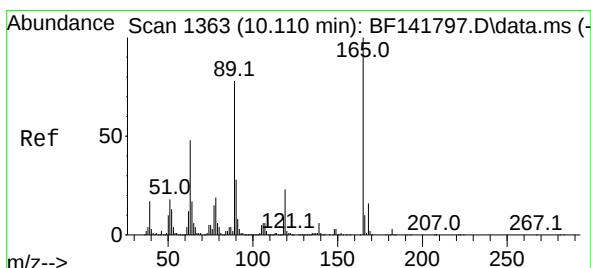
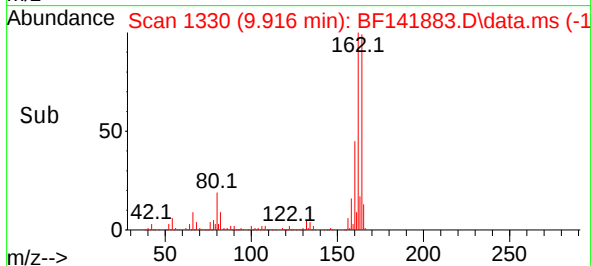
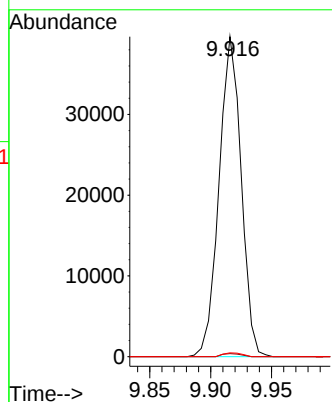
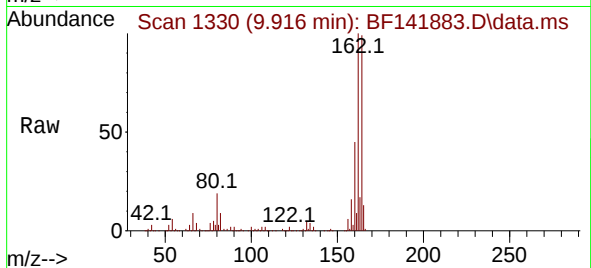
Tgt Ion:165 Resp: 50103

Ion Ratio Lower Upper

165 100

63 1.0 49.5 74.3#

89 1.2 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 11.070 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Tgt Ion:165 Resp: 50103

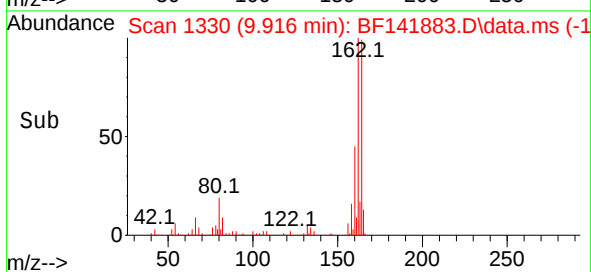
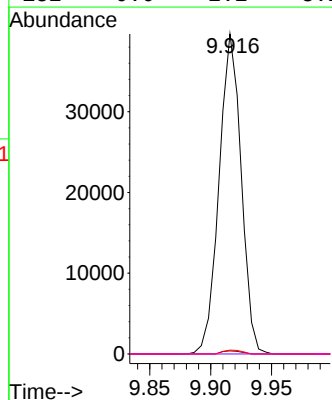
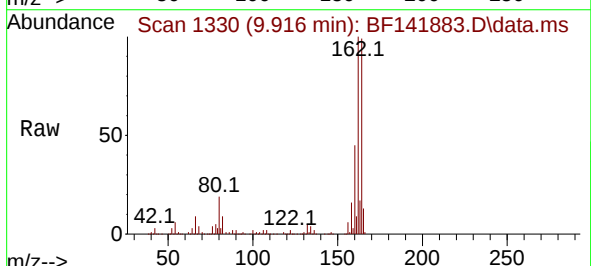
Ion Ratio Lower Upper

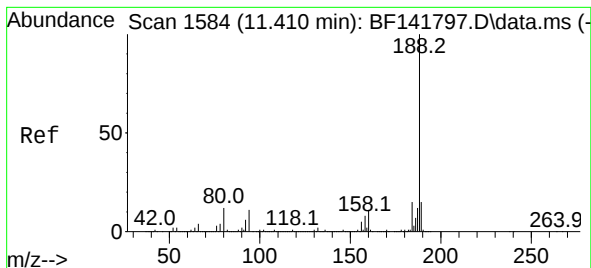
165 100

63 1.0 38.8 58.2#

89 1.2 62.6 94.0#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Instrument :

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ClientSampleId :

PB167016BL

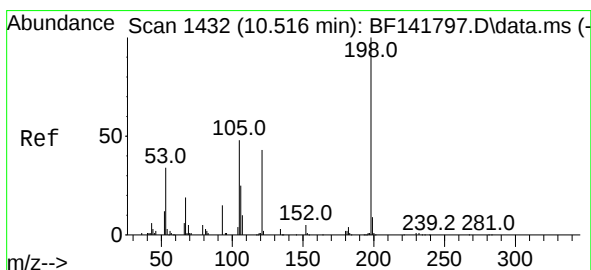
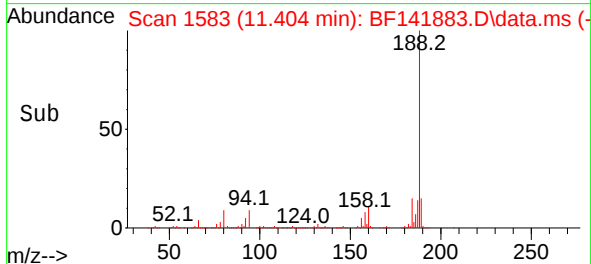
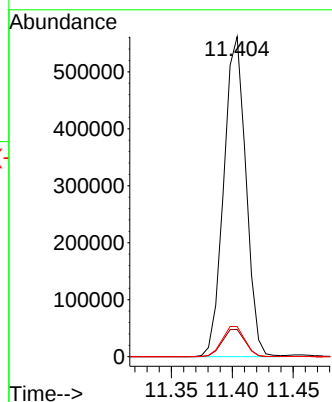
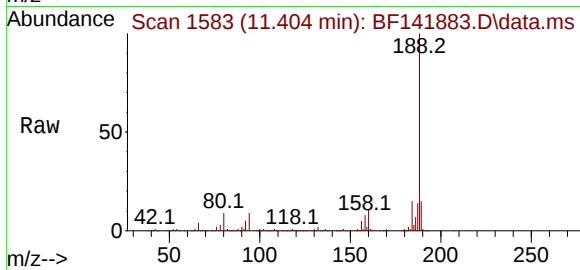
Tgt Ion:188 Resp: 712186

Ion Ratio Lower Upper

188 100

94 8.5 8.9 13.3#

80 9.4 9.7 14.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.504 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

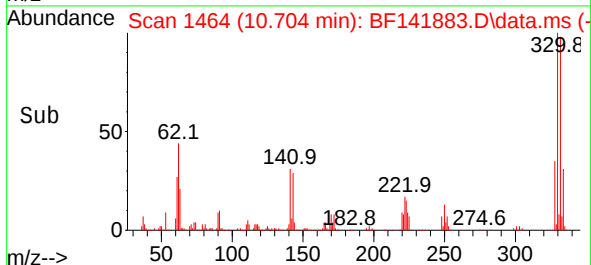
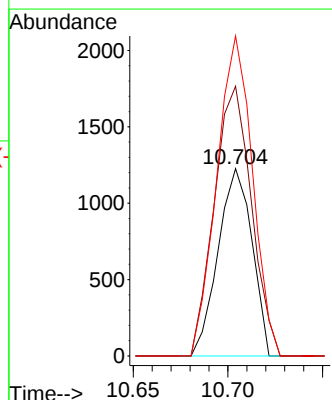
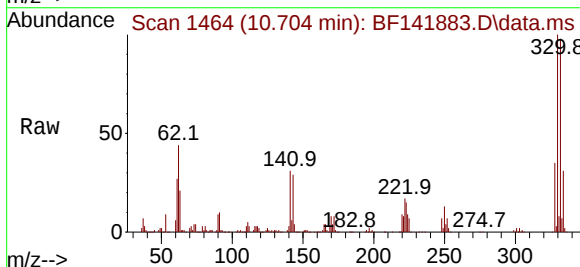
Tgt Ion:198 Resp: 1524

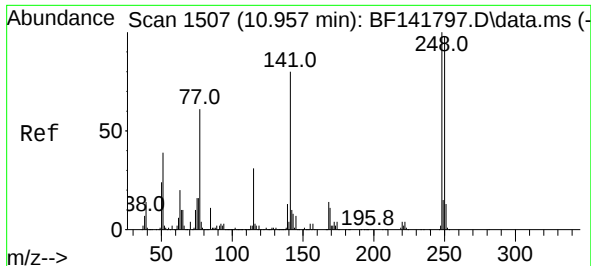
Ion Ratio Lower Upper

198 100

51 143.9 32.1 72.1#

105 170.7 28.5 68.5#

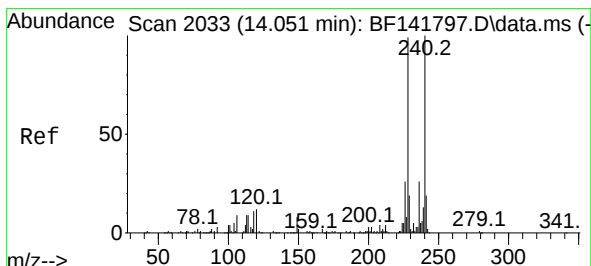
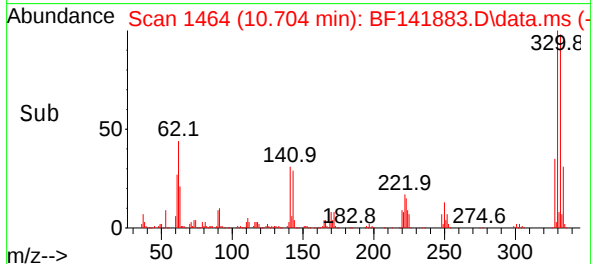
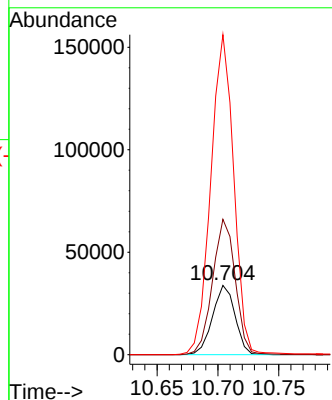
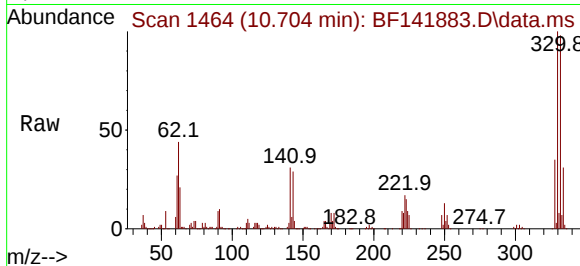




#67
4-Bromophenyl-phenylether
Concen: 5.250 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

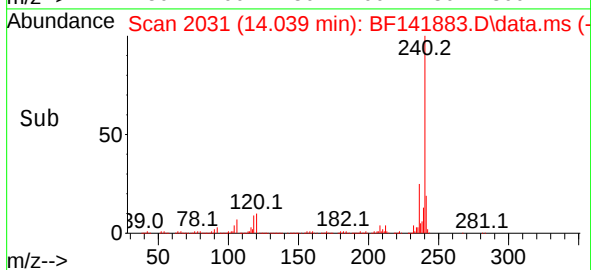
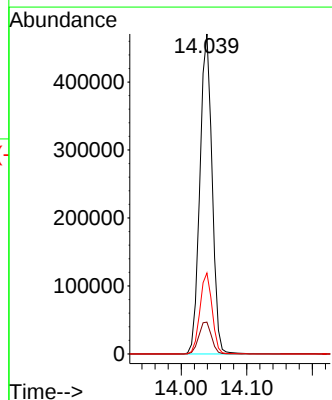
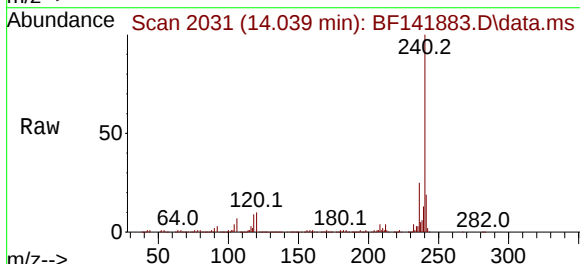
Instrument :
BNA_F
ClientSampleId :
PB167016BL

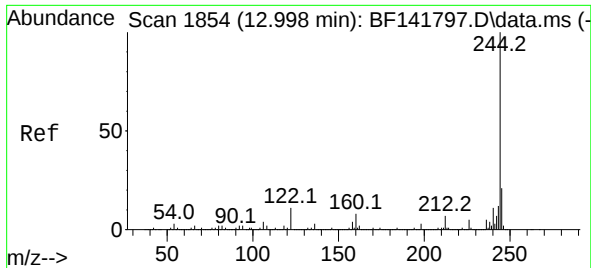
Tgt Ion:248 Resp: 43671
Ion Ratio Lower Upper
248 100
250 195.3 78.1 117.1#
141 461.7 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:240 Resp: 610478
Ion Ratio Lower Upper
240 100
120 10.0 9.7 14.5
236 25.3 21.0 31.4

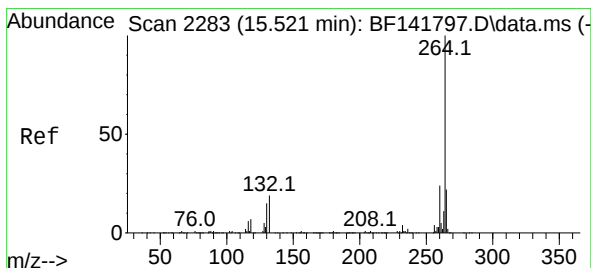
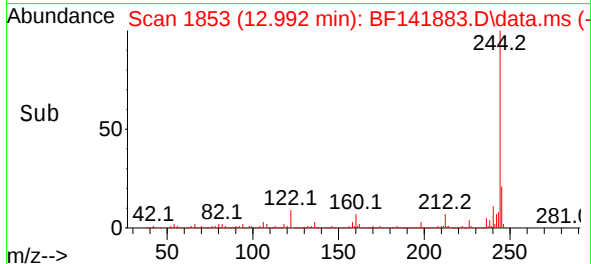
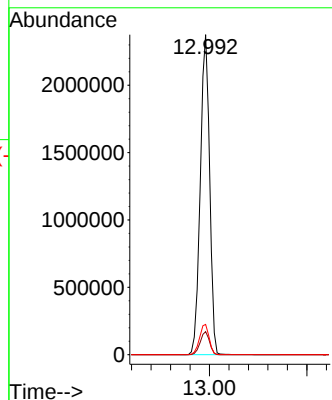
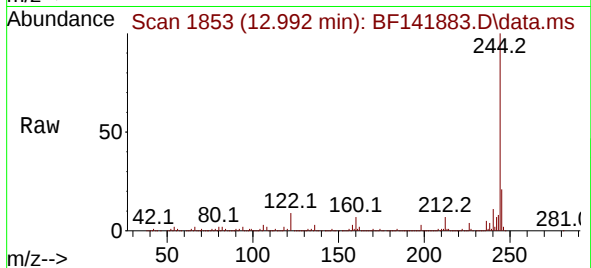




#79
 Terphenyl-d14
 Concen: 84.191 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF141883.D
 Acq: 07 Mar 2025 09:26

Instrument :
 BNA_F
 ClientSampleId :
 PB167016BL

Tgt Ion:244 Resp: 3176733
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.4 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. -0.012 min
 Lab File: BF141883.D
 Acq: 07 Mar 2025 09:26

Tgt Ion:264 Resp: 476523
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.9 28.3
 265 21.6 17.4 26.0

