

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
 Data File : BF141814.D
 Acq On : 03 Mar 2025 15:44
 Operator : RC/JU
 Sample : PB166927TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166927TB

Quant Time: Mar 03 16:11:10 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)

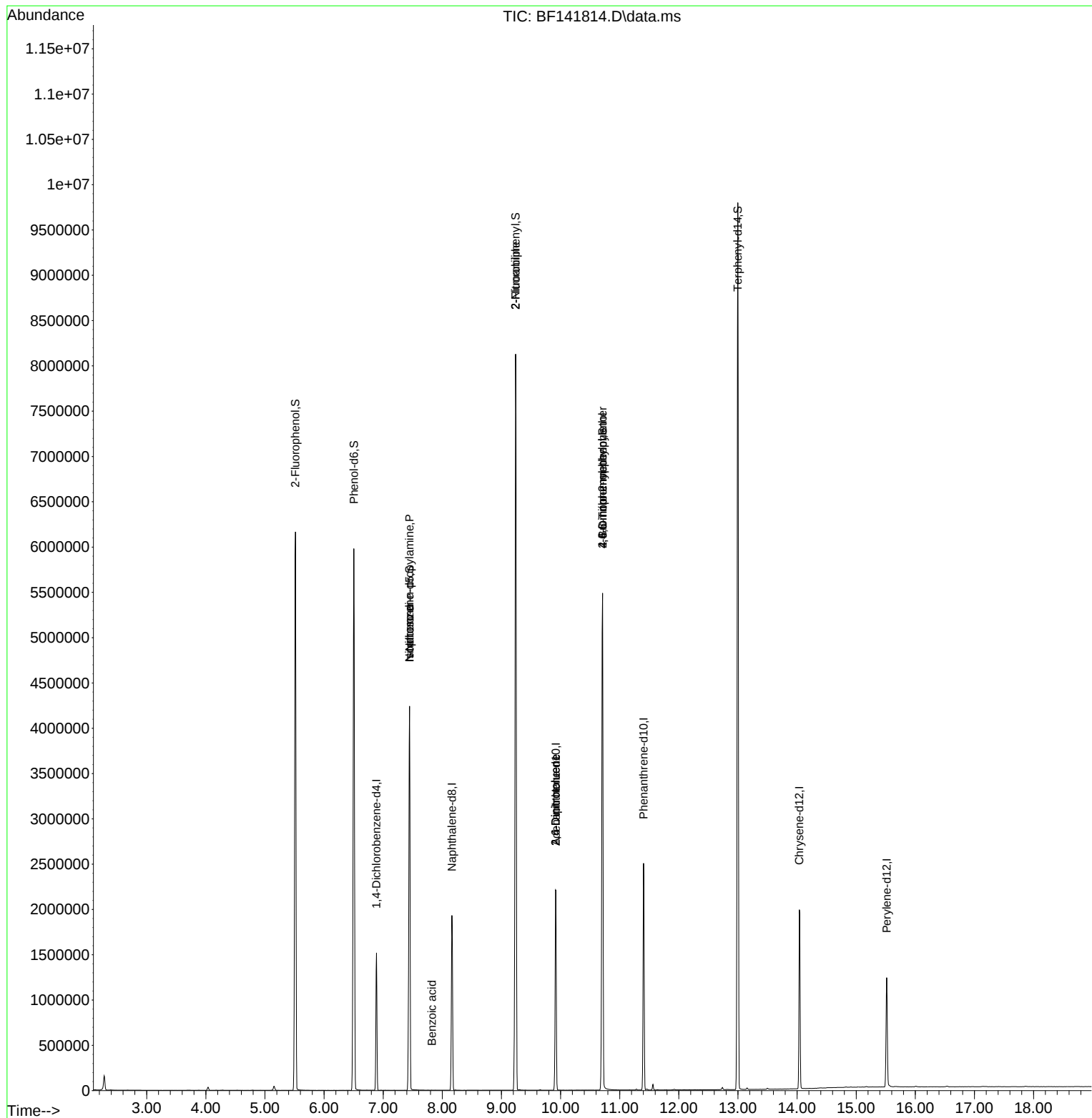
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	312364	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1249882	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	691686	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	1233312	20.000	ng	0.00
76) Chrysene-d12	14.039	240	934699	20.000	ng	-0.01
86) Perylene-d12	15.515	264	682017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2553935	130.572	ng	0.02
7) Phenol-d6	6.504	99	3147430	123.630	ng	0.00
23) Nitrobenzene-d5	7.445	82	2081500	106.450	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	986133	151.861	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	3882032	89.992	ng	0.00
79) Terphenyl-d14	12.998	244	4902500	84.860	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	288876	17.261	ng	# 80
25) Isophorone	7.445	82	2077624	49.457	ng	# 66
32) Benzoic acid	7.822	122	311	7.711	ng	# 86
48) 2-Nitroaniline	9.239	65	7532	4.983	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	91428	12.538	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	91428	11.352	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.710	198	2387	8.467	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	66035	4.584	ng	# 1

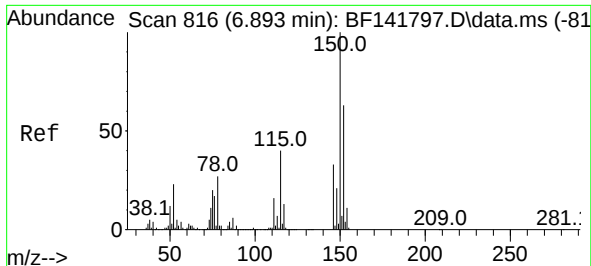
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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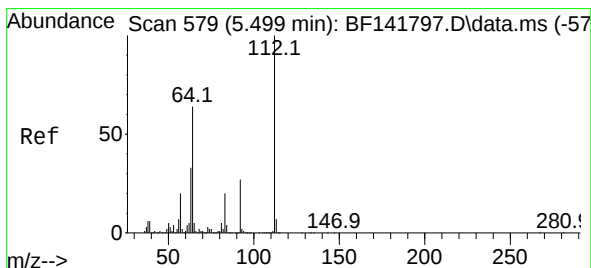
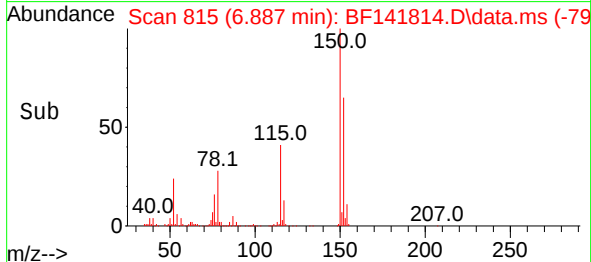
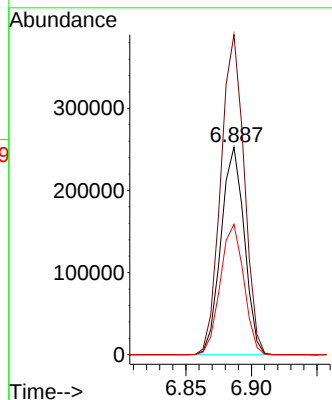
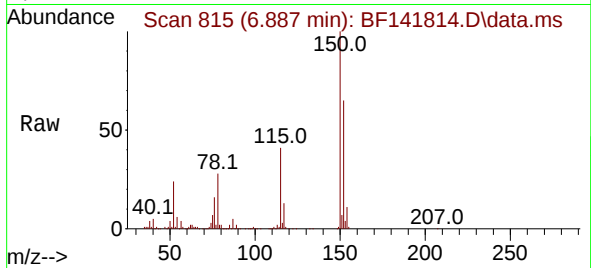




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

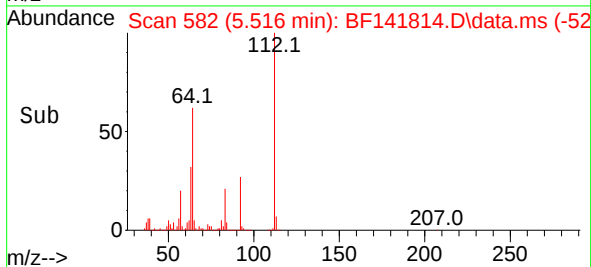
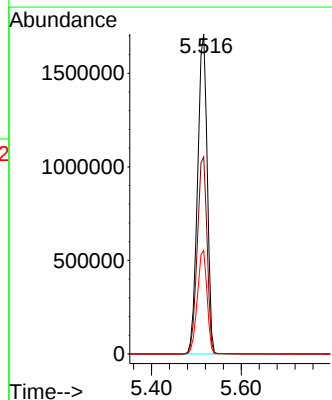
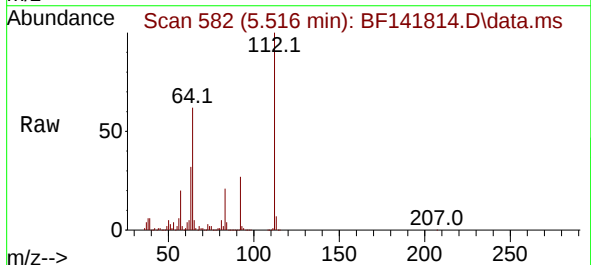
Instrument :
BNA_F
ClientSampleId :
PB166927TB

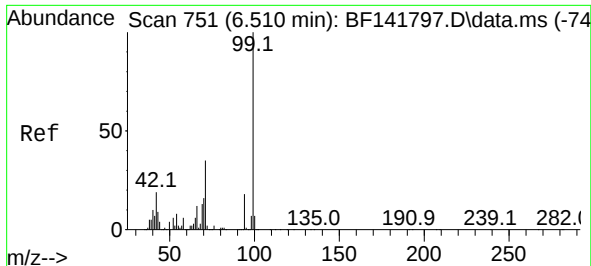
Tgt Ion:152 Resp: 312364
Ion Ratio Lower Upper
152 100
150 154.1 127.5 191.3
115 62.8 51.4 77.2



#5
2-Fluorophenol
Concen: 130.572 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.017 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

Tgt Ion:112 Resp: 2553935
Ion Ratio Lower Upper
112 100
64 61.6 51.3 76.9
63 32.3 26.2 39.4

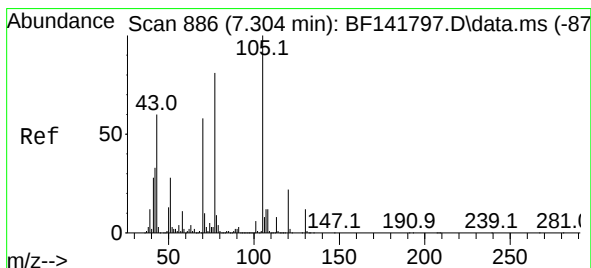
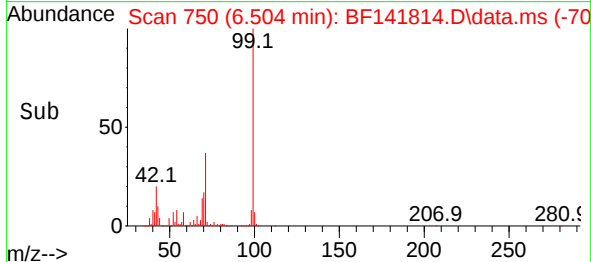
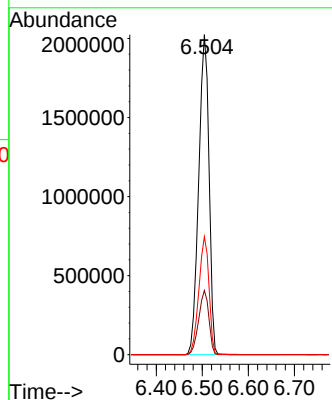
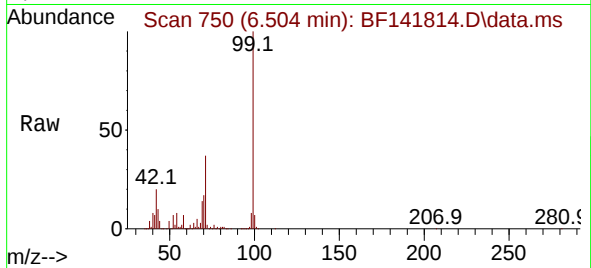




#7
Phenol-d6
Concen: 123.630 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

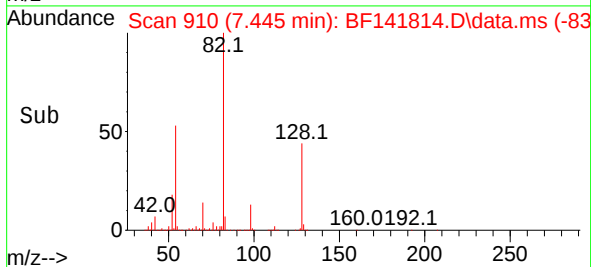
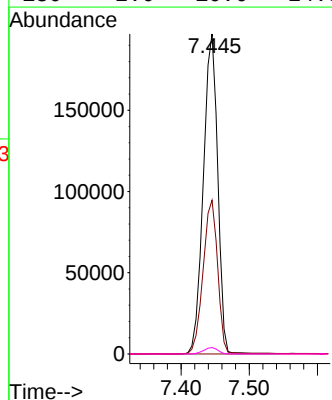
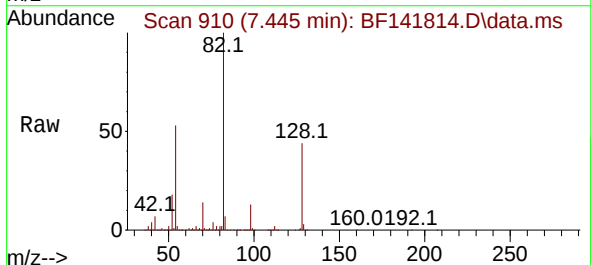
Instrument :
BNA_F
ClientSampleId :
PB166927TB

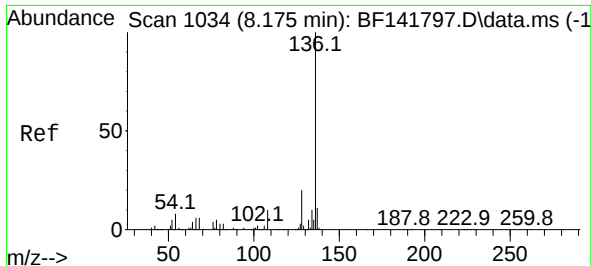
Tgt Ion: 99 Resp: 3147430
Ion Ratio Lower Upper
99 100
42 20.0 15.2 22.8
71 36.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.261 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

Tgt Ion: 70 Resp: 288876
Ion Ratio Lower Upper
70 100
42 48.0 45.4 68.0
101 0.0 7.8 11.8#
130 2.0 16.6 24.8#

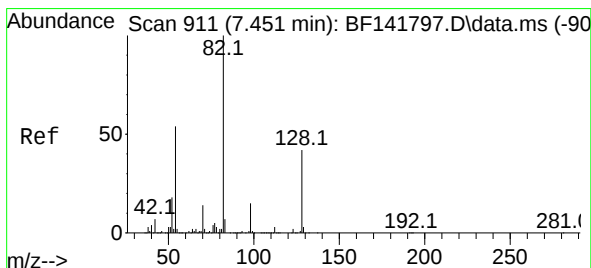
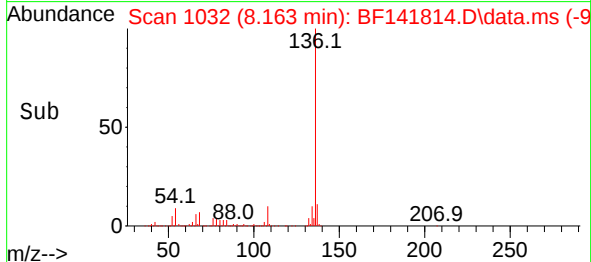
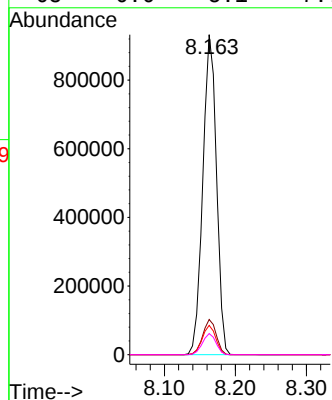
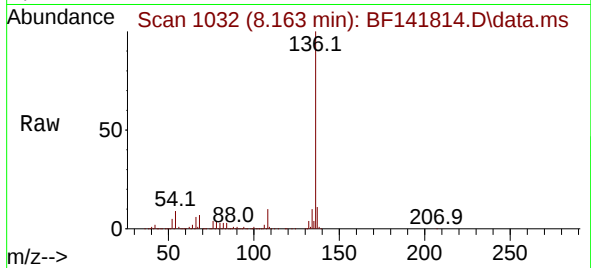




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

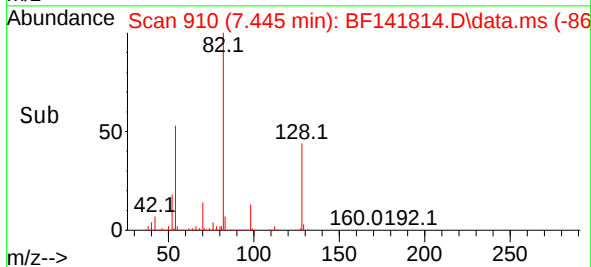
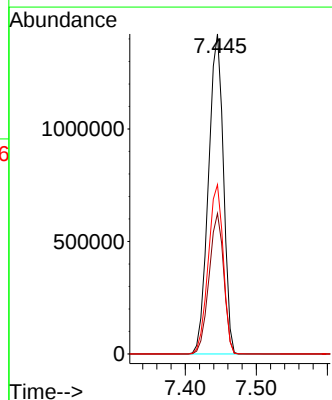
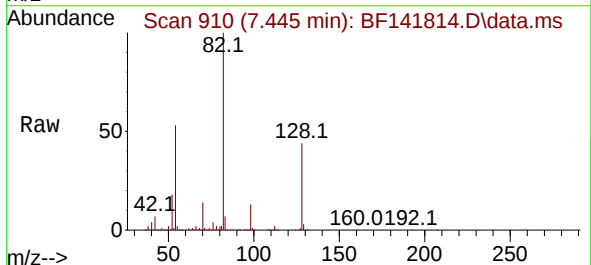
Instrument :
BNA_F
ClientSampleId :
PB166927TB

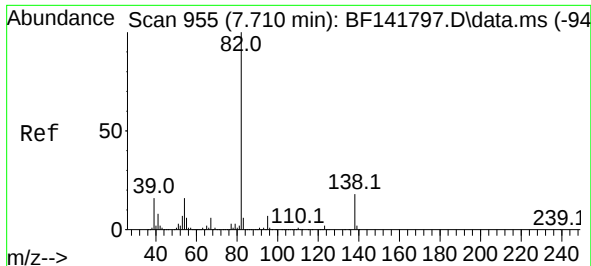
Tgt Ion:136 Resp: 1249882
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.1 6.9 10.3
68 6.6 5.1 7.7



#23
Nitrobenzene-d5
Concen: 106.450 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

Tgt Ion: 82 Resp: 2081500
Ion Ratio Lower Upper
82 100
128 43.9 33.5 50.3
54 52.9 42.7 64.1

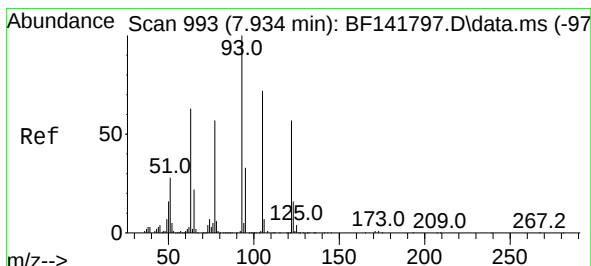
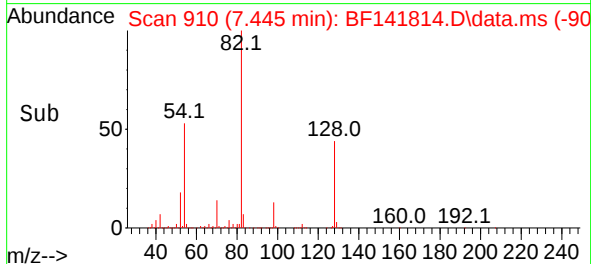
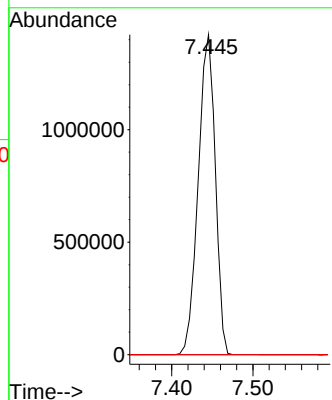
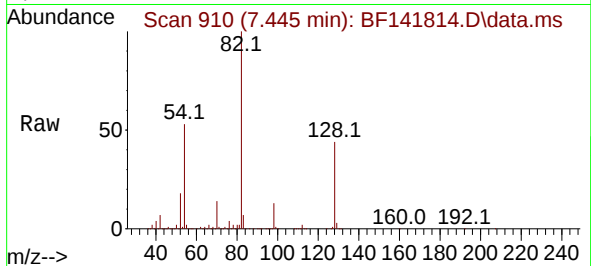




#25
Isophorone
Concen: 49.457 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

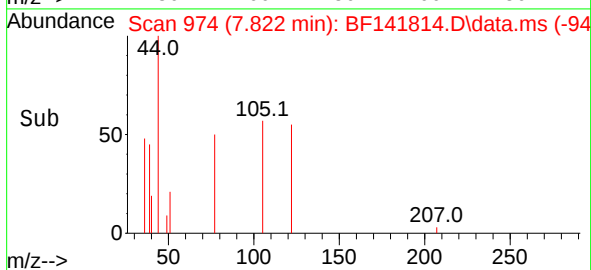
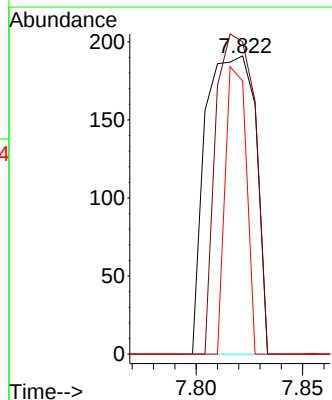
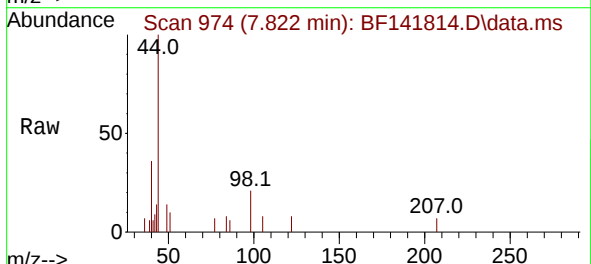
Instrument :
BNA_F
ClientSampleId :
PB166927TB

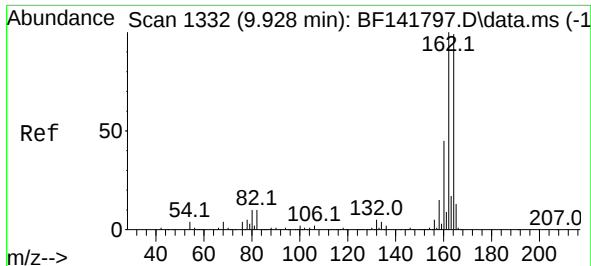
Tgt Ion: 82 Resp: 2077624
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.711 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.112 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

Tgt Ion:122 Resp: 311
Ion Ratio Lower Upper
122 100
105 104.7 105.8 145.8#
77 91.6 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

Instrument :

BNA_F

ClientSampleId :

PB166927TB

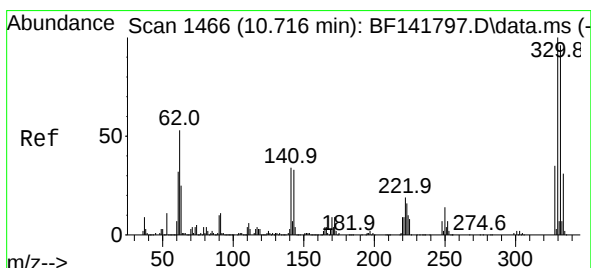
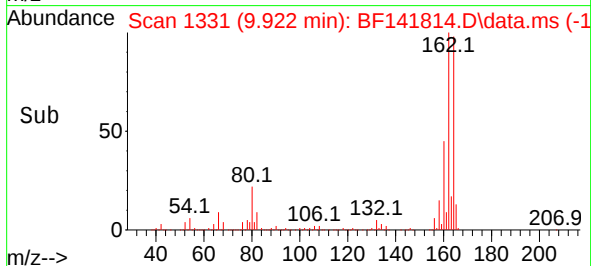
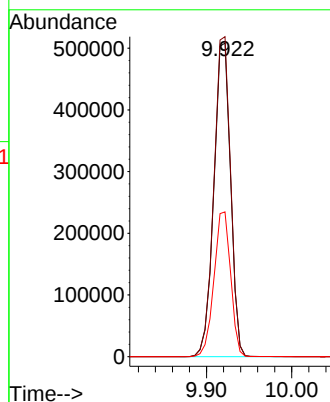
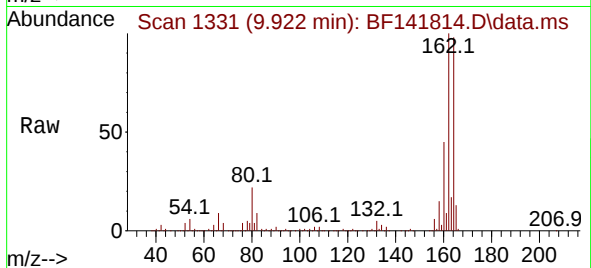
Tgt Ion:164 Resp: 691686

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

160 46.2 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 151.861 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

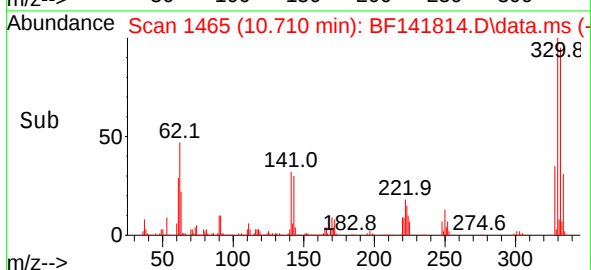
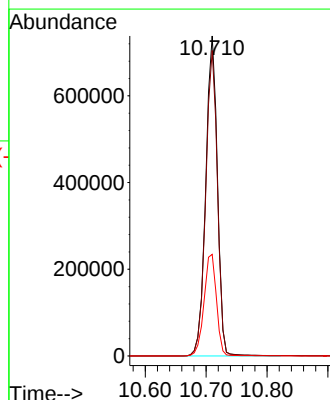
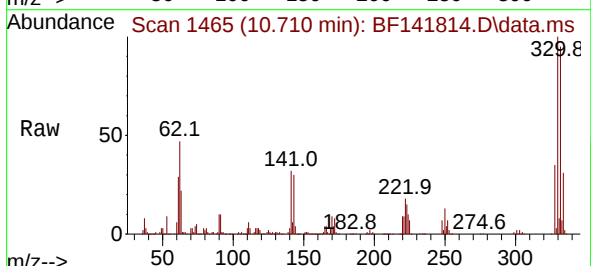
Tgt Ion:330 Resp: 986133

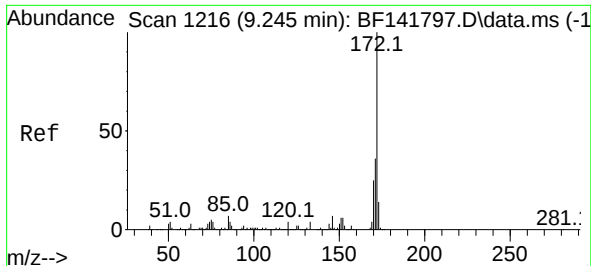
Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 33.9 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 89.992 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

Instrument :

BNA_F

ClientSampleId :

PB166927TB

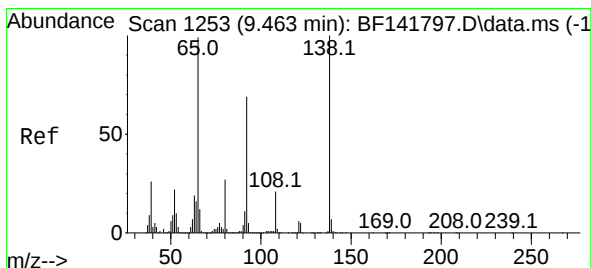
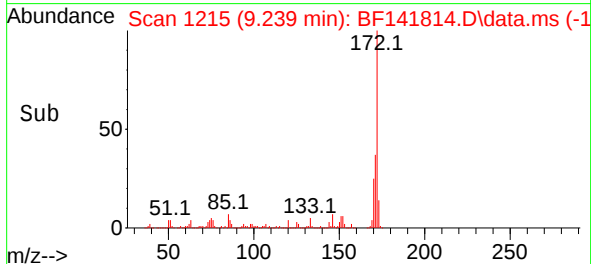
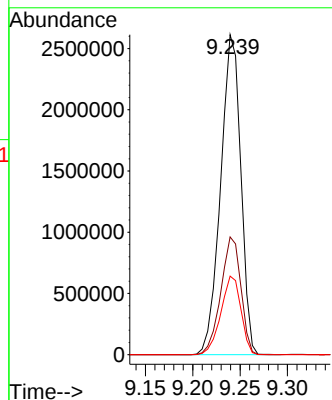
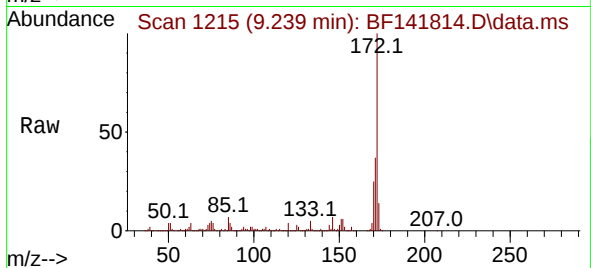
Tgt Ion:172 Resp: 3882032

Ion Ratio Lower Upper

172 100

171 36.8 29.2 43.8

170 24.6 19.7 29.5



#48

2-Nitroaniline

Concen: 4.983 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.224 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

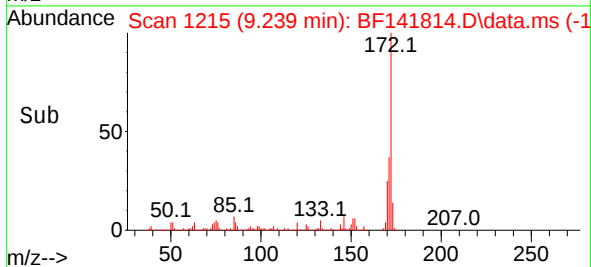
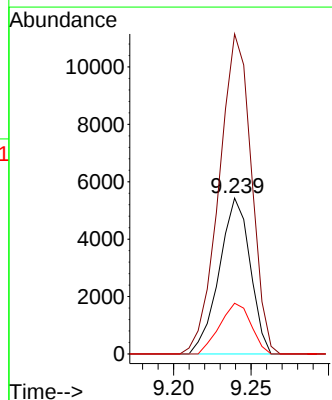
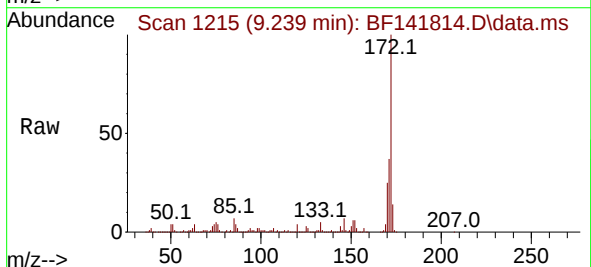
Tgt Ion: 65 Resp: 7532

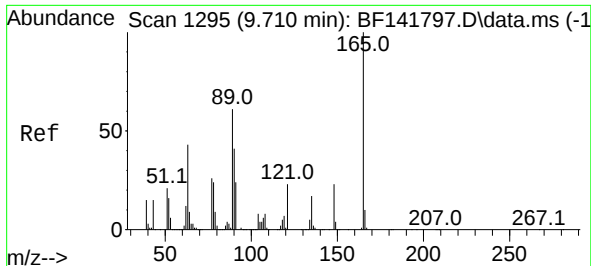
Ion Ratio Lower Upper

65 100

92 205.4 55.7 83.5#

138 32.5 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.538 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

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PB166927TB

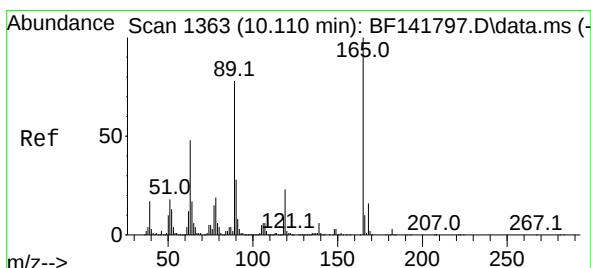
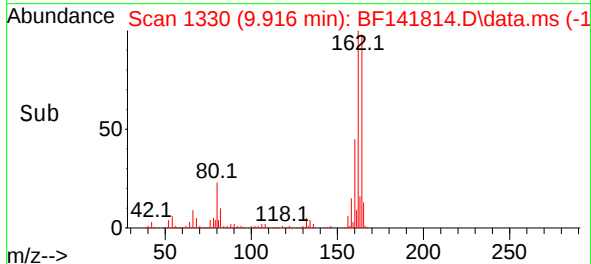
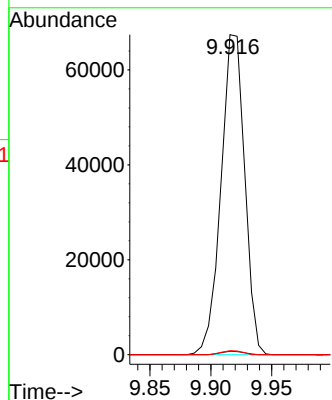
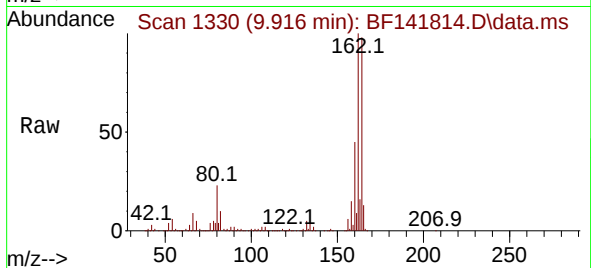
Tgt Ion:165 Resp: 91428

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: 11.352 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

Tgt Ion:165 Resp: 91428

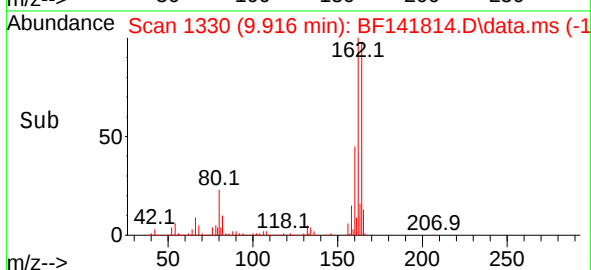
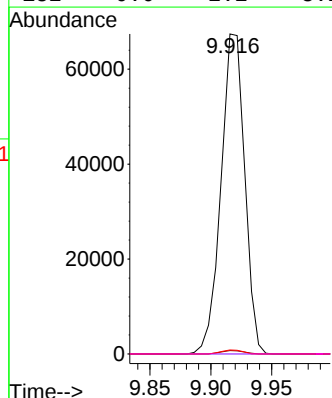
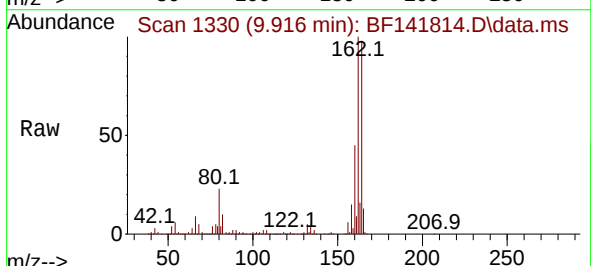
Ion Ratio Lower Upper

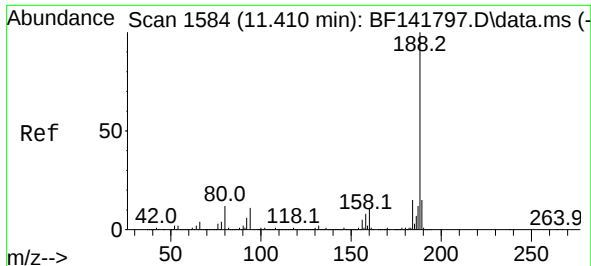
165 100

63 1.0 38.8 58.2#

89 1.2 62.6 94.0#

182 0.0 2.2 3.2#

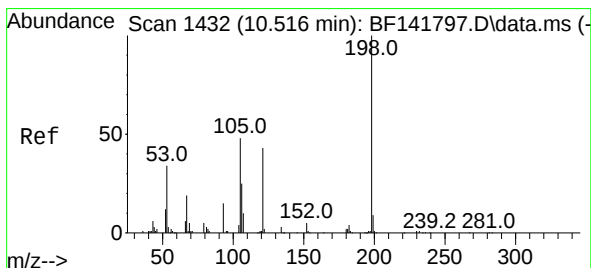
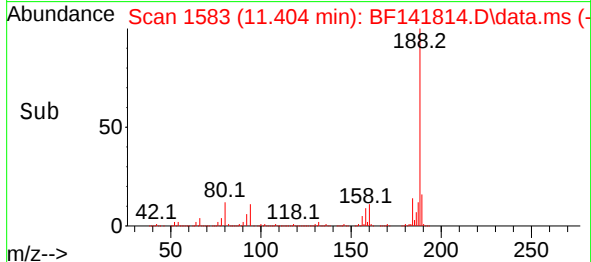
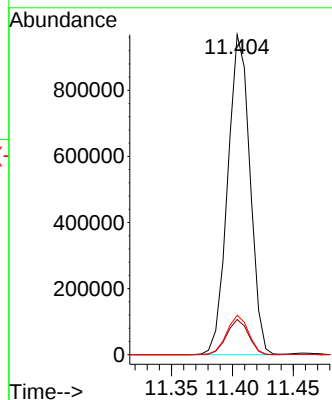
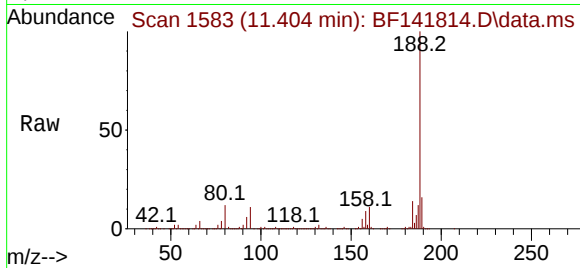




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

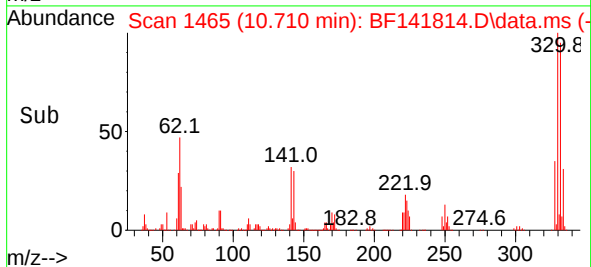
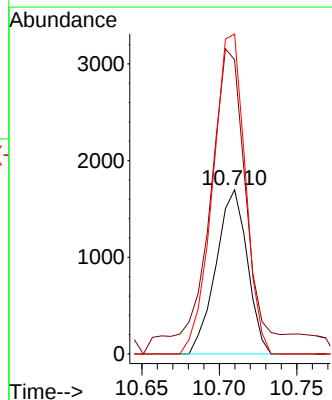
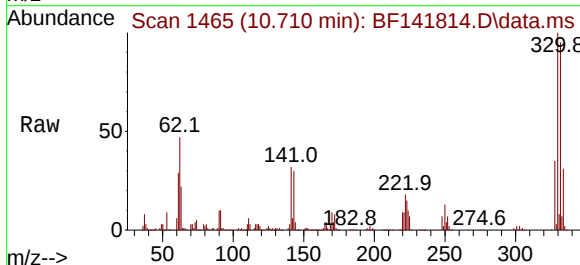
Instrument :
BNA_F
ClientSampleId :
PB166927TB

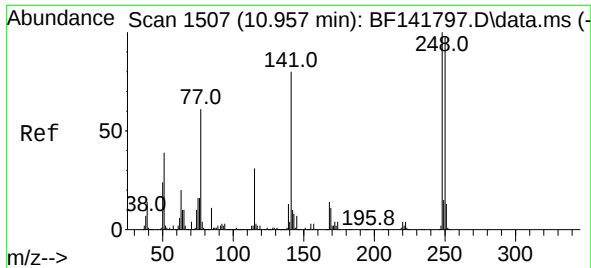
Tgt Ion:188 Resp: 1233312
Ion Ratio Lower Upper
188 100
94 11.0 8.9 13.3
80 12.3 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.467 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.194 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

Tgt Ion:198 Resp: 2387
Ion Ratio Lower Upper
198 100
51 179.3 32.1 72.1#
105 194.9 28.5 68.5#

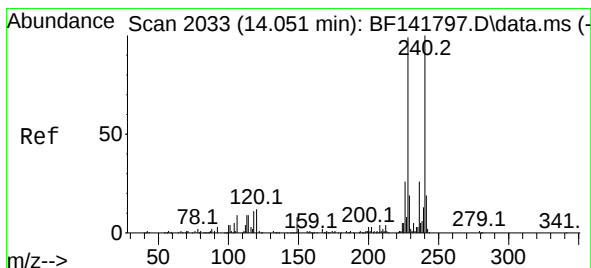
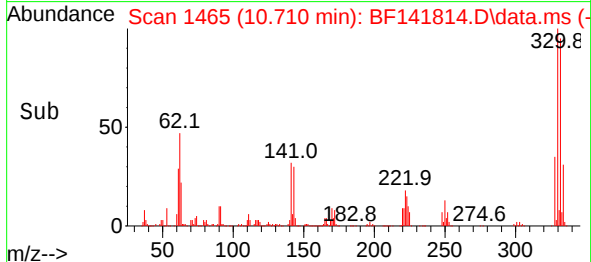
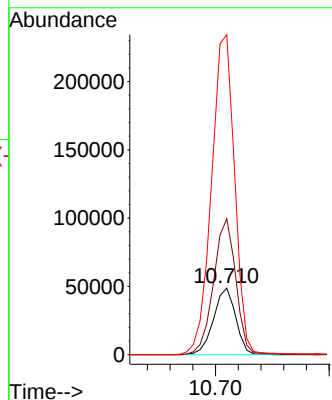
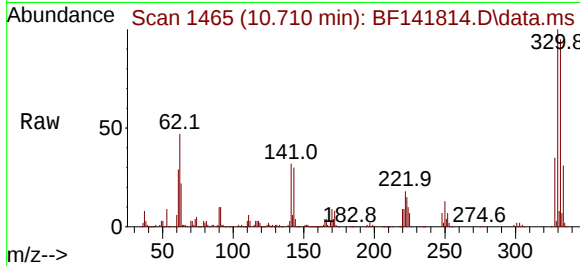




#67
4-Bromophenyl-phenylether
Concen: 4.584 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

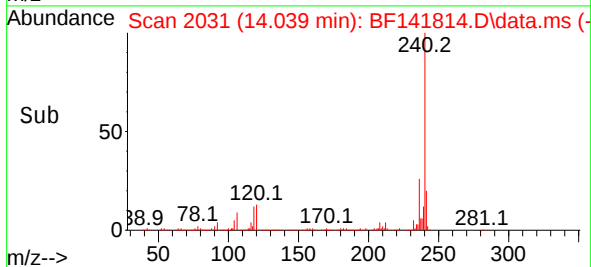
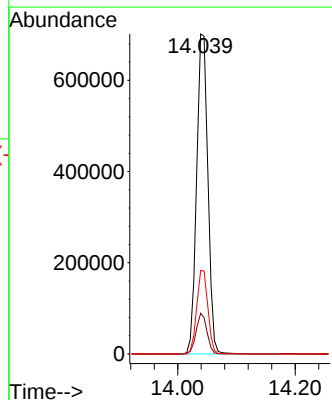
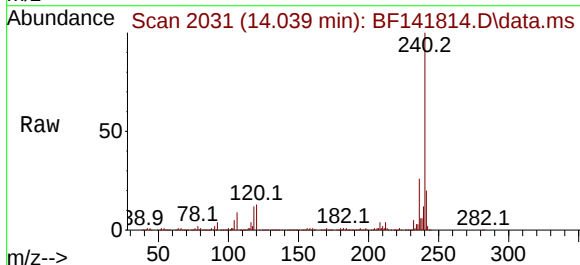
Instrument :
BNA_F
ClientSampleId :
PB166927TB

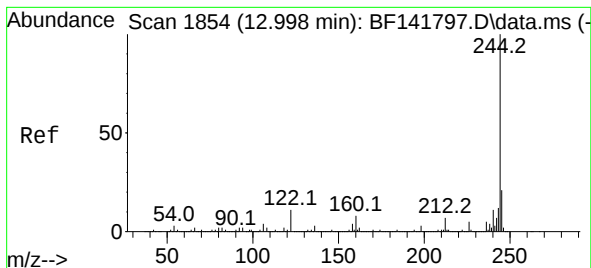
Tgt Ion:248 Resp: 66035
Ion Ratio Lower Upper
248 100
250 204.3 78.1 117.1#
141 481.2 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141814.D
Acq: 03 Mar 2025 15:44

Tgt Ion:240 Resp: 934699
Ion Ratio Lower Upper
240 100
120 12.7 9.7 14.5
236 26.1 21.0 31.4





#79

Terphenyl-d14

Concen: 84.860 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

Instrument :

BNA_F

ClientSampleId :

PB166927TB

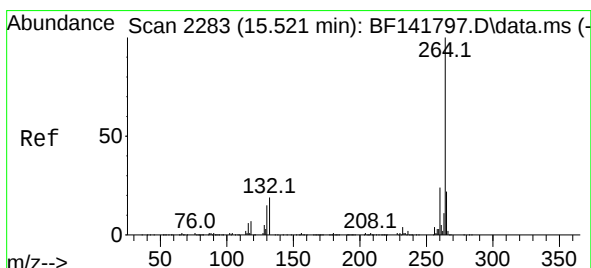
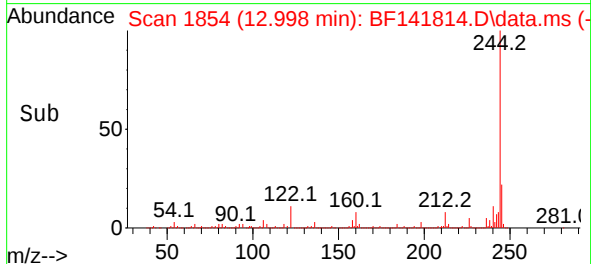
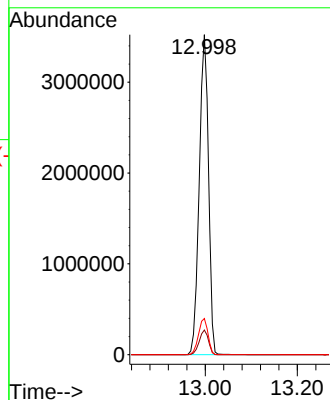
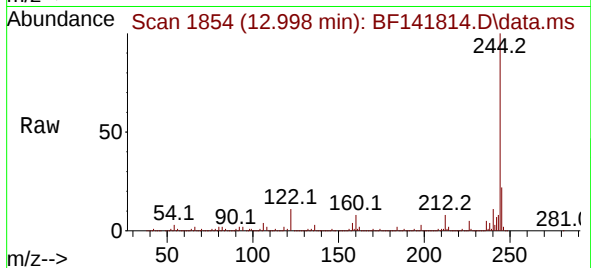
Tgt Ion:244 Resp: 4902500

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 11.3 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.006 min

Lab File: BF141814.D

Acq: 03 Mar 2025 15:44

Tgt Ion:264 Resp: 682017

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.6 17.4 26.0

