

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141827.D
 Acq On : 04 Mar 2025 15:19
 Operator : RC/JU
 Sample : Q1480-25
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Mar 04 16:20:11 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)

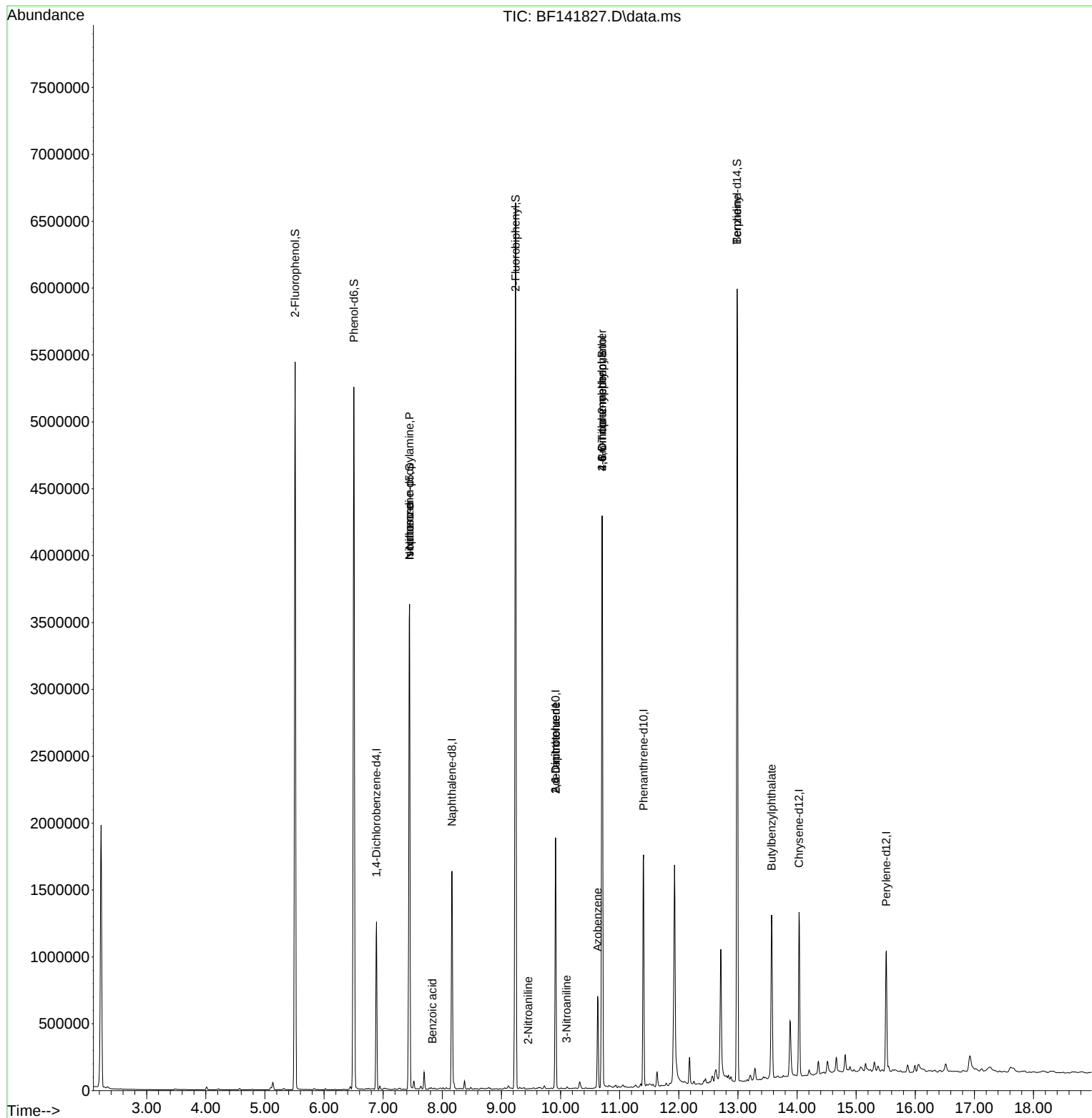
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	257112	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1010448	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	543817	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	880582	20.000	ng	0.00
76) Chrysene-d12	14.033	240	572495	20.000	ng	-0.02
86) Perylene-d12	15.510	264	518056	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	2142253	133.061	ng	0.01
7) Phenol-d6	6.504	99	2651439	126.528	ng	0.00
23) Nitrobenzene-d5	7.445	82	1739200	110.020	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	696300	136.384	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	3033895	89.455	ng	0.00
79) Terphenyl-d14	12.986	244	2874938	81.248	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	240233	17.439	ng	# 80
25) Isophorone	7.445	82	1733763	51.051	ng	# 66
32) Benzoic acid	7.834	122	1133	7.782	ng	93
48) 2-Nitroaniline	9.451	65	289	4.371	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	70567	12.361	ng	# 21
53) 3-Nitroaniline	10.104	138	54	2.974	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	70567	11.209	ng	# 20
63) Azobenzene	10.628	77	177439	4.616	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	1849	8.496	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	48104	4.677	ng	# 1
77) Benzidine	12.986	184	39542	5.488	ng	# 90
80) Butylbenzylphthalate	13.569	149	180243	10.007	ng	# 23

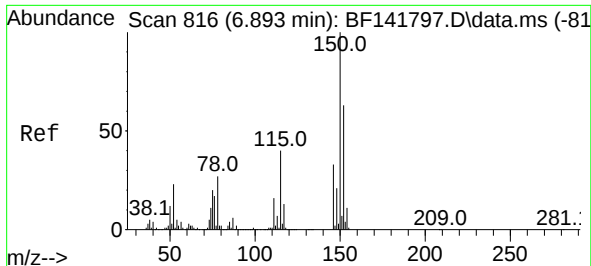
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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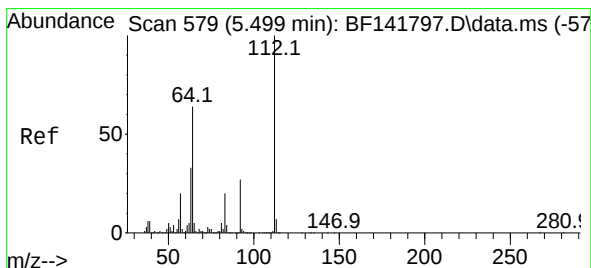
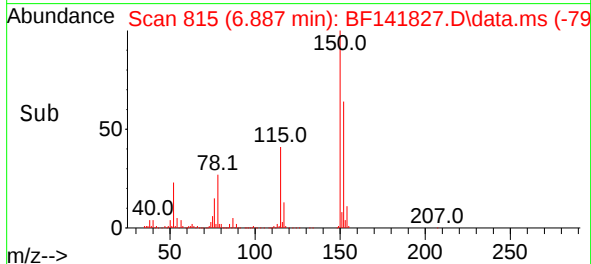
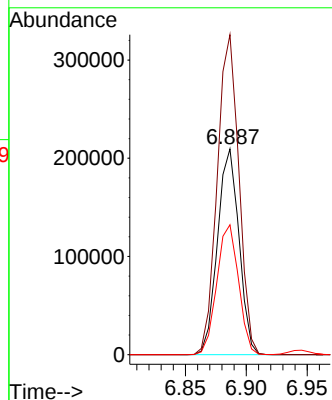
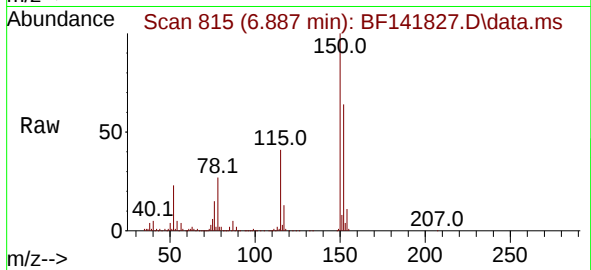




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

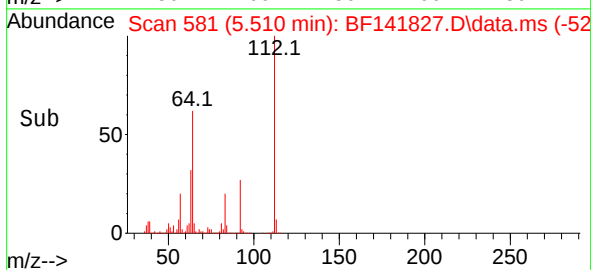
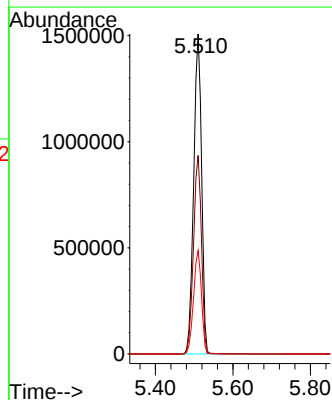
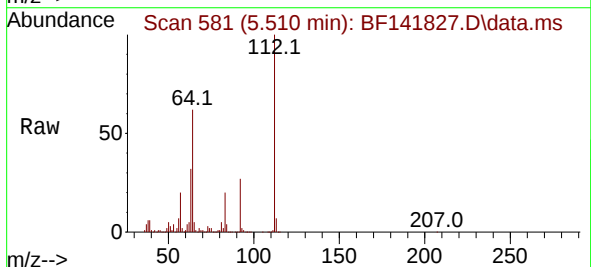
Instrument :
BNA_F
ClientSampleId :
TP-4

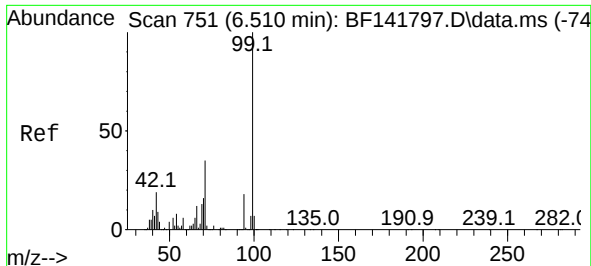
Tgt Ion:152 Resp: 257112
Ion Ratio Lower Upper
152 100
150 155.5 127.5 191.3
115 63.1 51.4 77.2



#5
2-Fluorophenol
Concen: 133.061 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

Tgt Ion:112 Resp: 2142253
Ion Ratio Lower Upper
112 100
64 62.0 51.3 76.9
63 32.3 26.2 39.4

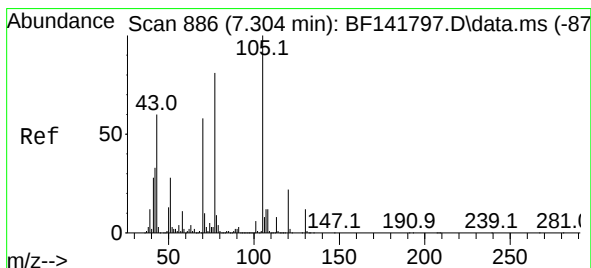
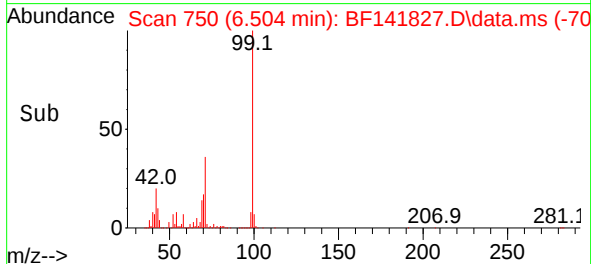
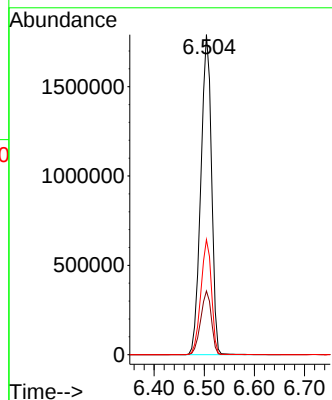
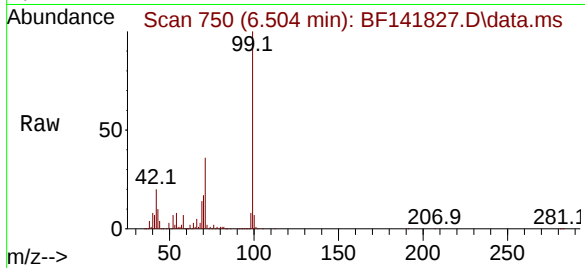




#7
Phenol-d6
Concen: 126.528 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

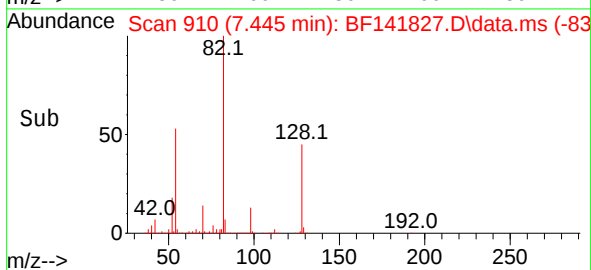
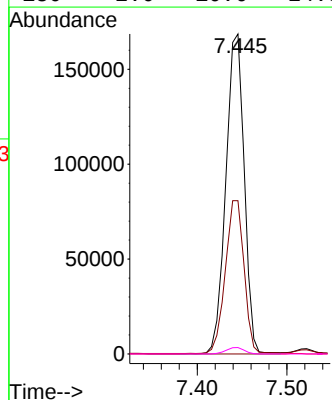
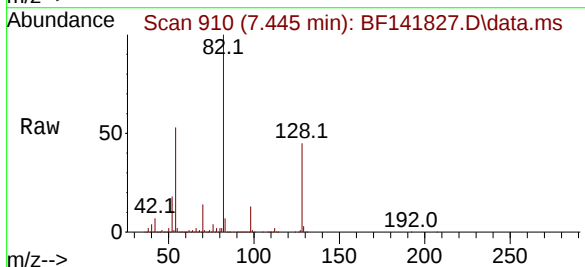
Instrument :
BNA_F
ClientSampleId :
TP-4

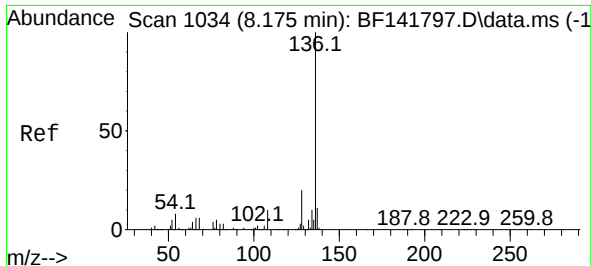
Tgt Ion: 99 Resp: 2651439
Ion Ratio Lower Upper
99 100
42 19.9 15.2 22.8
71 35.9 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.439 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

Tgt Ion: 70 Resp: 240233
Ion Ratio Lower Upper
70 100
42 47.9 45.4 68.0
101 0.0 7.8 11.8#
130 2.0 16.6 24.8#

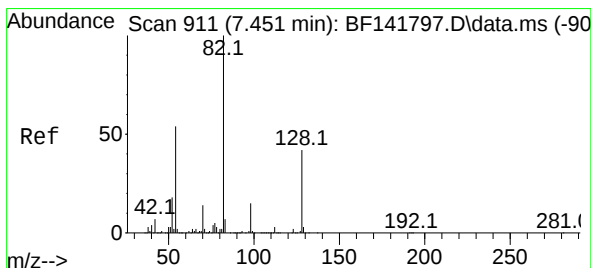
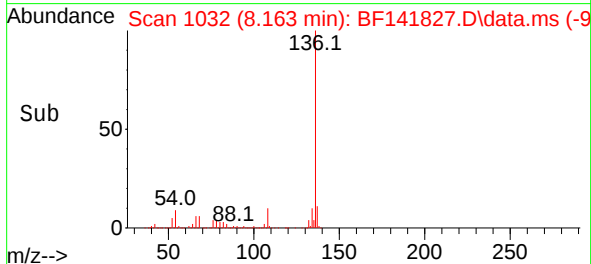
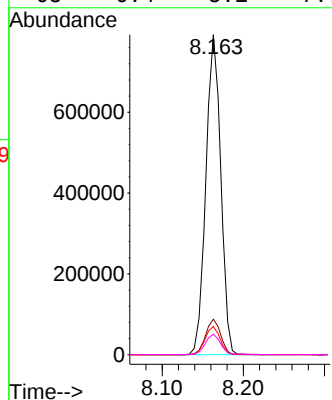
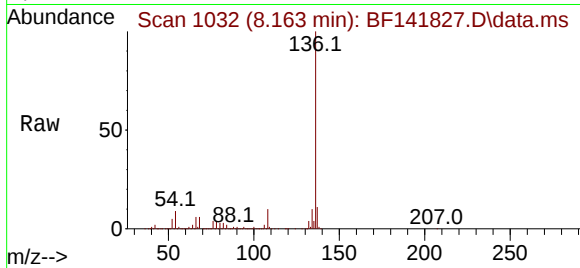




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

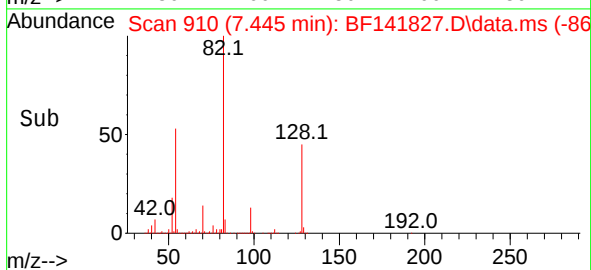
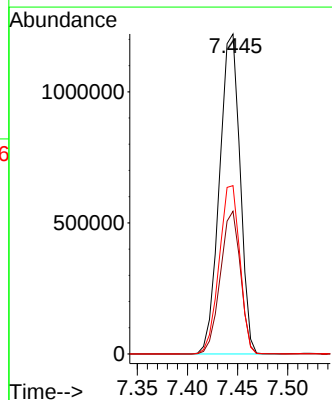
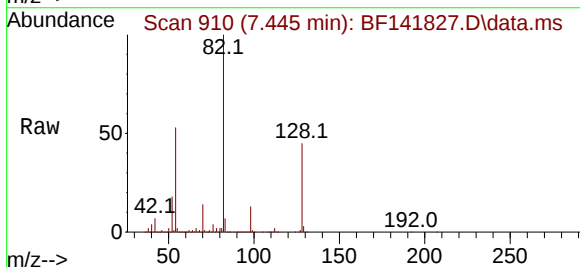
Instrument :
BNA_F
ClientSampleId :
TP-4

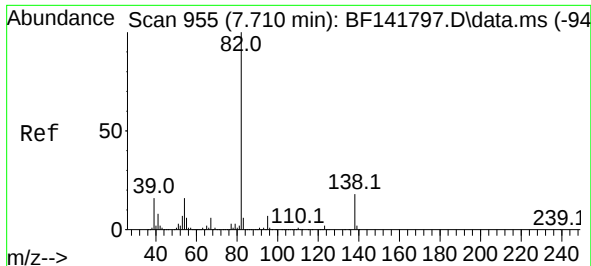
Tgt Ion:136 Resp: 1010448
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.8 6.9 10.3
68 6.4 5.1 7.7



#23
Nitrobenzene-d5
Concen: 110.020 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

Tgt Ion: 82 Resp: 1739200
Ion Ratio Lower Upper
82 100
128 44.6 33.5 50.3
54 52.6 42.7 64.1

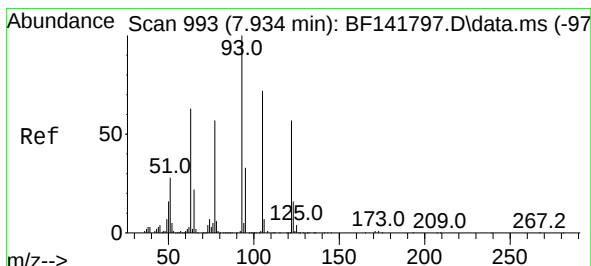
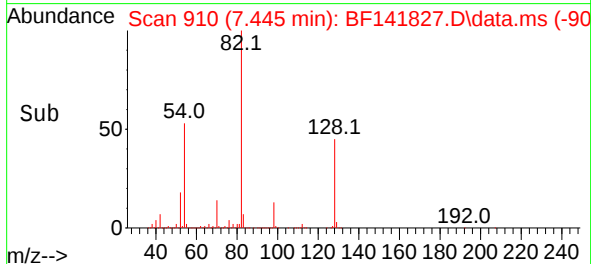
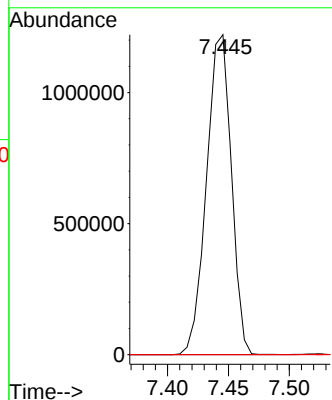
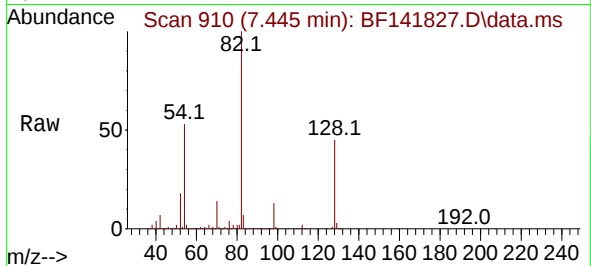




#25
Isophorone
Concen: 51.051 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

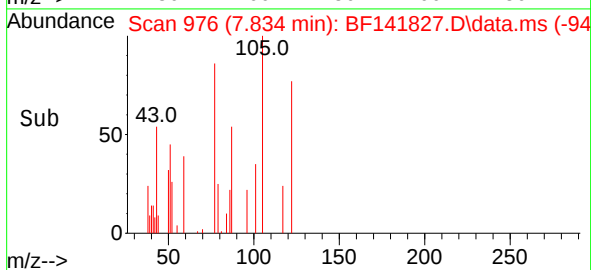
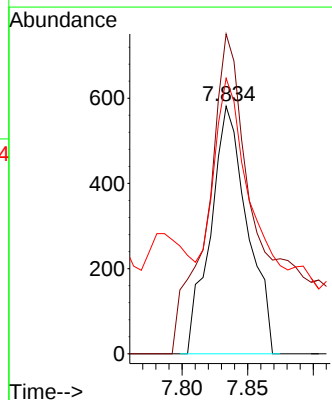
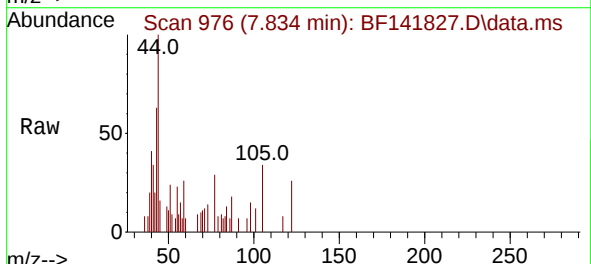
Instrument :
BNA_F
ClientSampleId :
TP-4

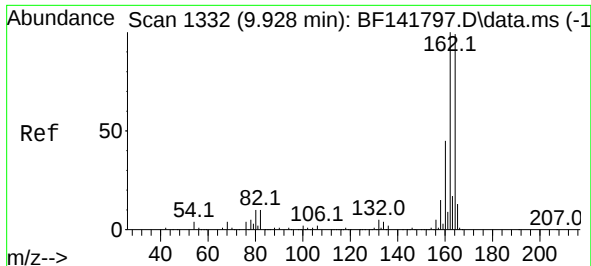
Tgt Ion: 82 Resp: 1733763
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.782 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.100 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

Tgt Ion:122 Resp: 1133
Ion Ratio Lower Upper
122 100
105 129.3 105.8 145.8
77 111.4 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: BF141827.D

Acq: 04 Mar 2025 15:19

Instrument :

BNA_F

ClientSampleId :

TP-4

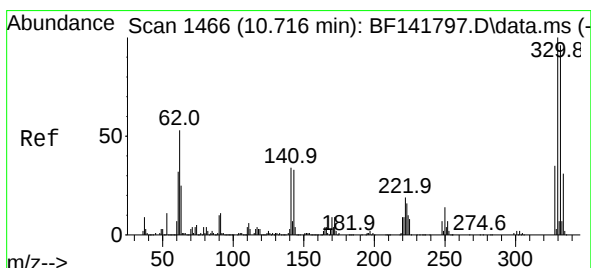
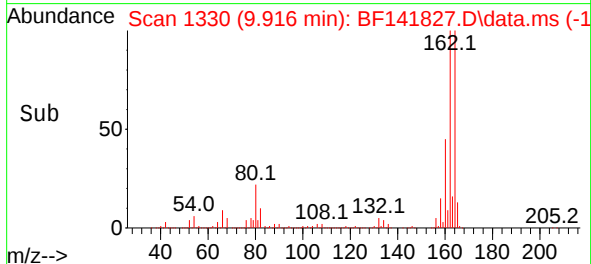
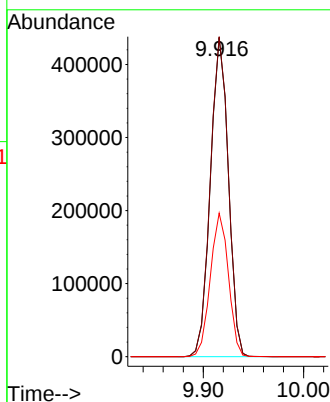
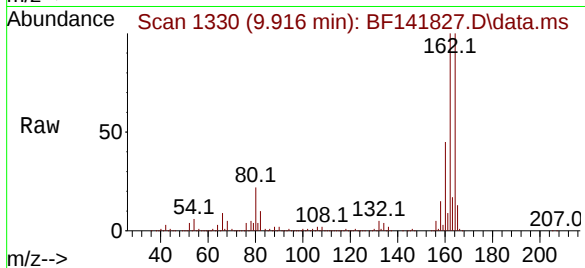
Tgt Ion:164 Resp: 543817

Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

160 45.0 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 136.384 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

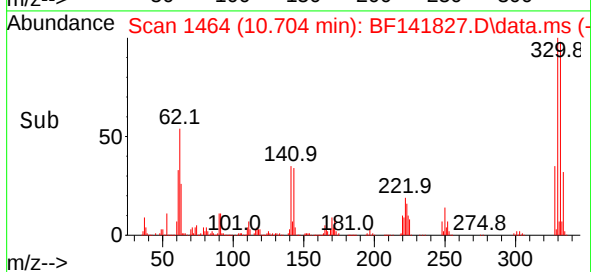
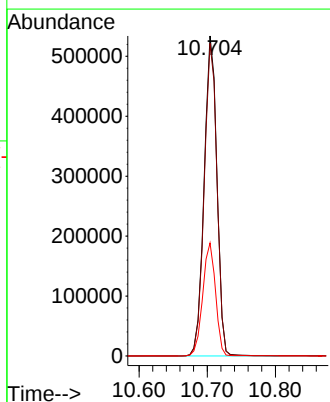
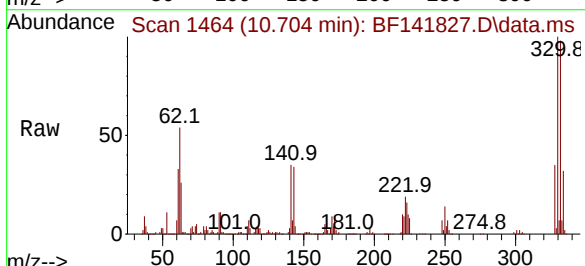
Tgt Ion:330 Resp: 696300

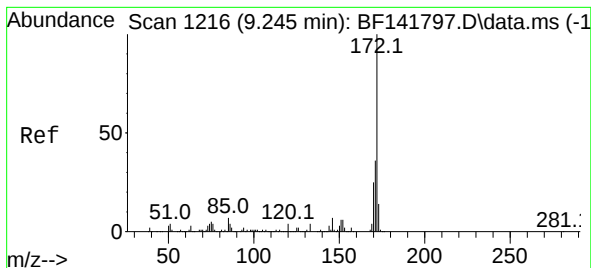
Ion Ratio Lower Upper

330 100

332 97.8 76.6 115.0

141 35.4 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 89.455 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

Instrument :

BNA_F

ClientSampleId :

TP-4

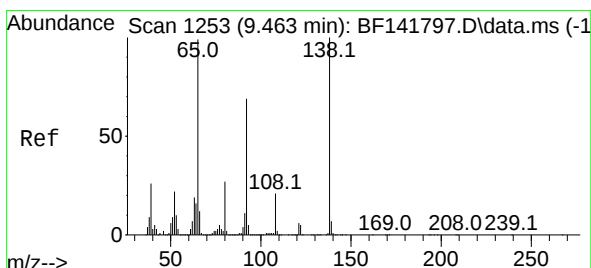
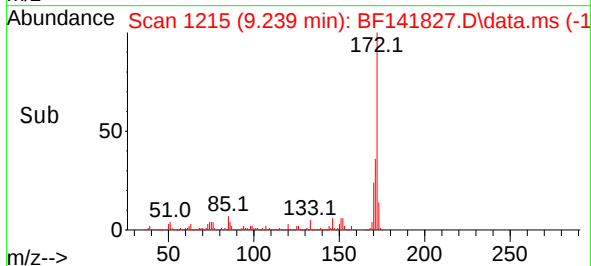
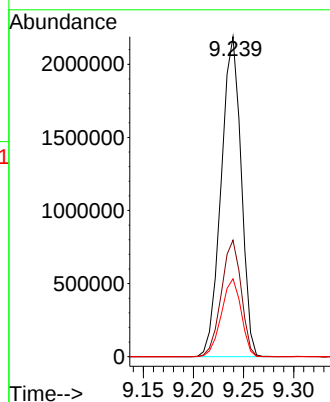
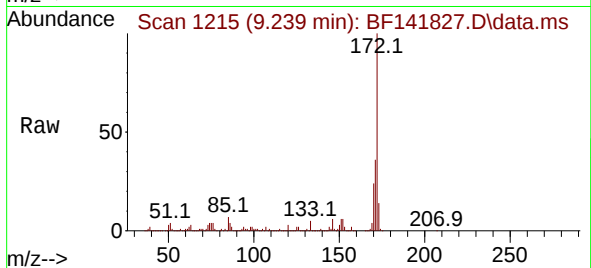
Tgt Ion:172 Resp: 3033895

Ion Ratio Lower Upper

172 100

171 36.4 29.2 43.8

170 24.3 19.7 29.5



#48

2-Nitroaniline

Concen: 4.371 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.012 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

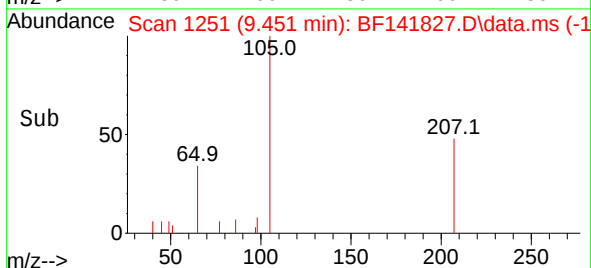
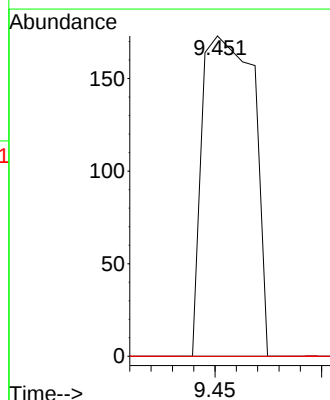
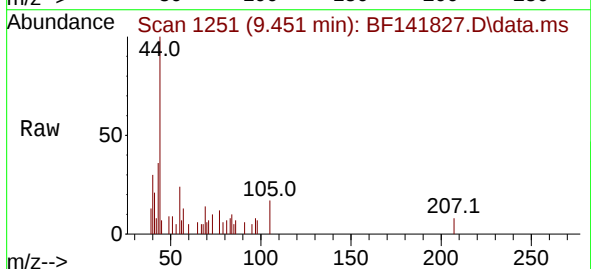
Tgt Ion: 65 Resp: 289

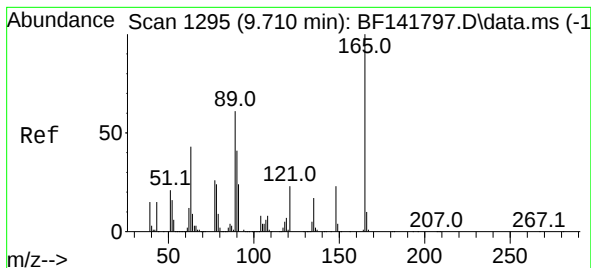
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.361 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

Instrument :

BNA_F

ClientSampleId :

TP-4

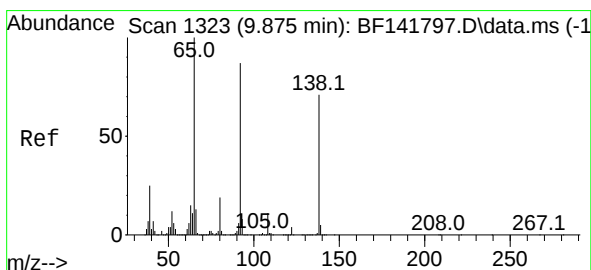
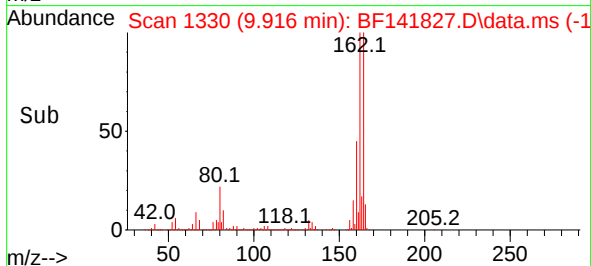
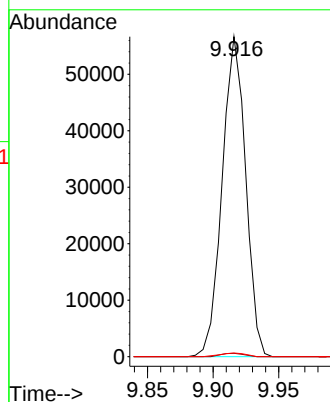
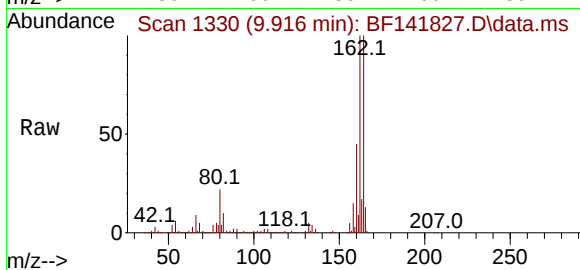
Tgt Ion:165 Resp: 70567

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.2 49.0 73.4#



#53

3-Nitroaniline

Concen: 2.974 ng

RT: 10.104 min Scan# 1362

Delta R.T. 0.229 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

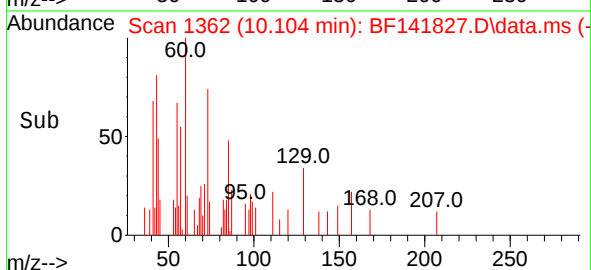
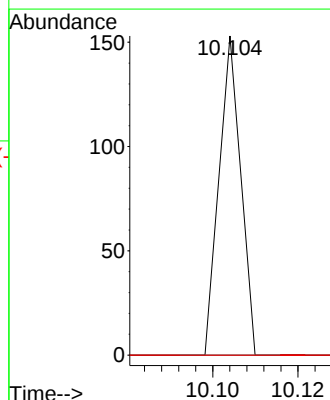
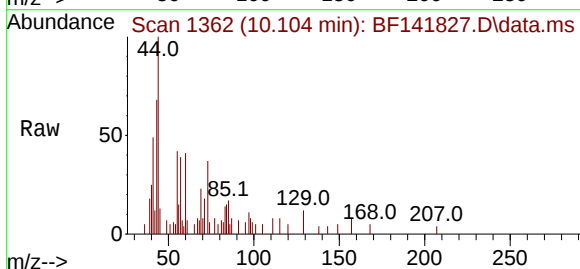
Tgt Ion:138 Resp: 54

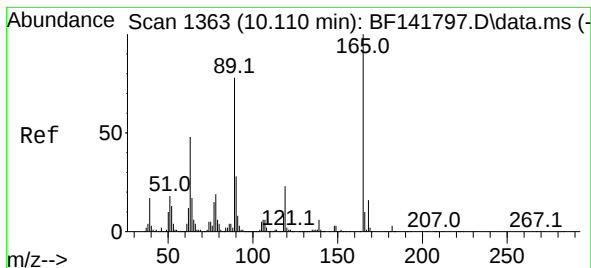
Ion Ratio Lower Upper

138 100

108 0.0 12.7 19.1#

92 0.0 97.9 146.9#





#57

2,4-Dinitrotoluene

Concen: 11.209 ng

RT: 9.916 min Scan# 141

Delta R.T. -0.194 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion:165 Resp: 70567

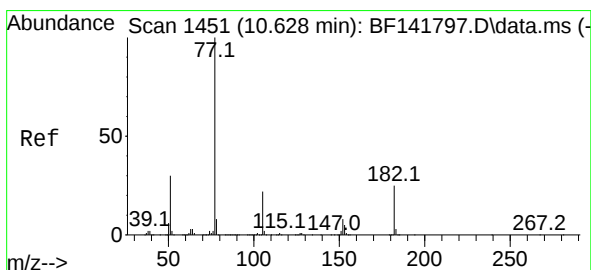
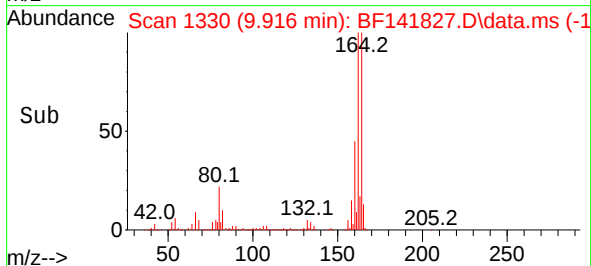
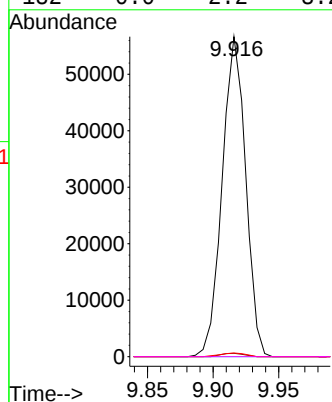
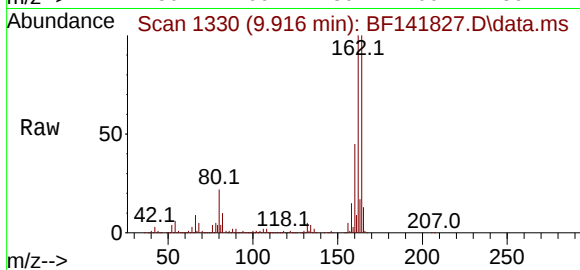
Ion Ratio Lower Upper

165 100

63 1.1 38.8 58.2#

89 1.2 62.6 94.0#

182 0.0 2.2 3.2#



#63

Azobenzene

Concen: 4.616 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

Tgt Ion: 77 Resp: 177439

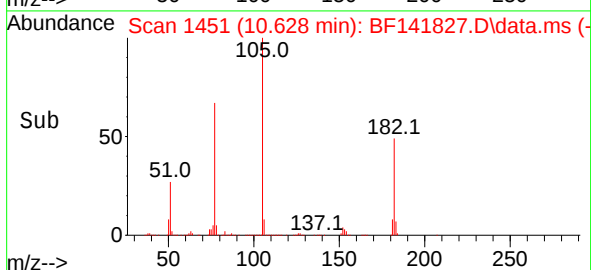
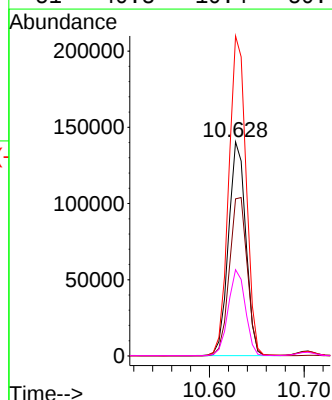
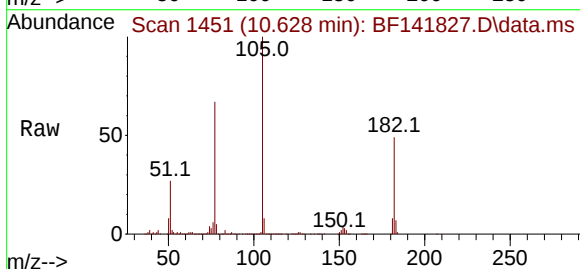
Ion Ratio Lower Upper

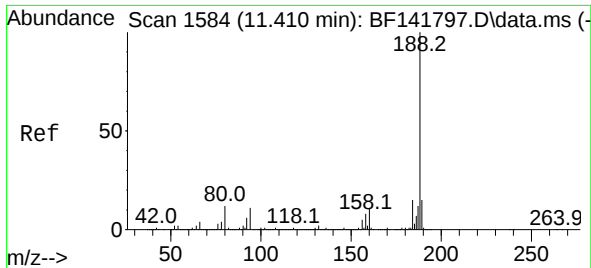
77 100

182 73.4 4.2 44.2#

105 149.5 1.5 41.5#

51 40.3 10.4 50.4

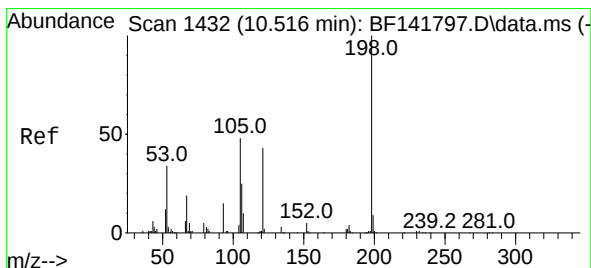
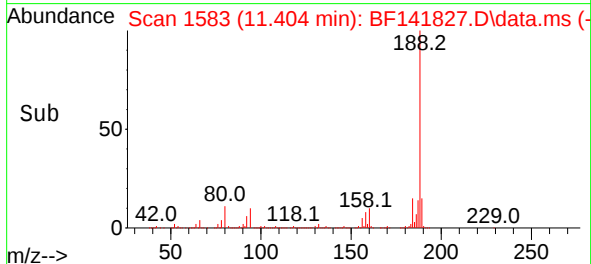
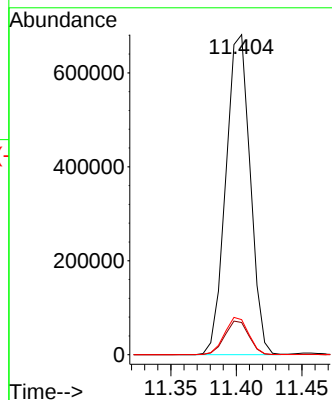
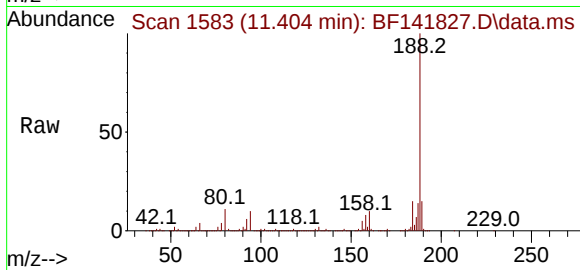




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11404
Delta R.T. -0.006 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

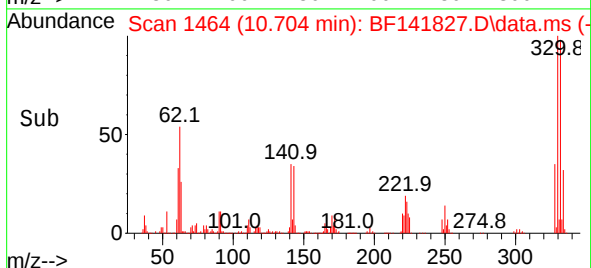
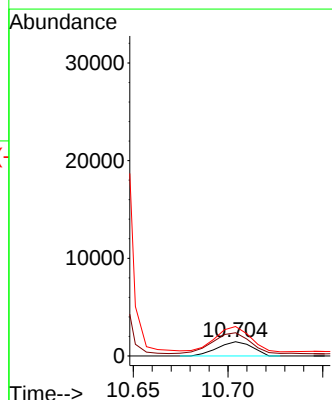
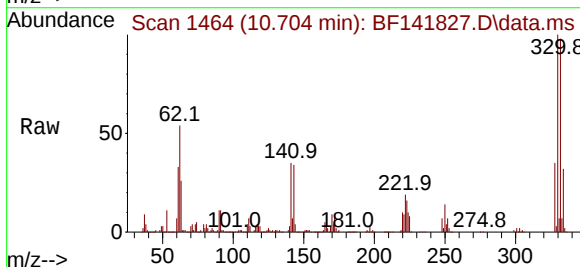
Instrument :
BNA_F
ClientSampleId :
TP-4

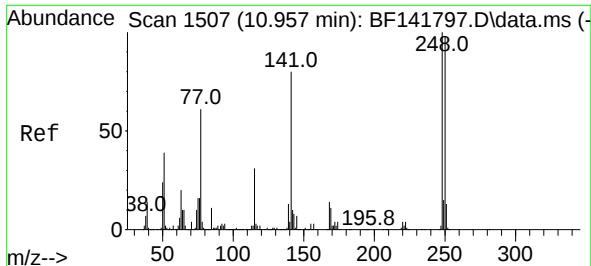
Tgt Ion:188 Resp: 880582
Ion Ratio Lower Upper
188 100
94 10.0 8.9 13.3
80 11.0 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.496 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

Tgt Ion:198 Resp: 1849
Ion Ratio Lower Upper
198 100
51 163.0 32.1 72.1#
105 206.2 28.5 68.5#





#67

4-Bromophenyl-phenylether

Concen: 4.677 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

Instrument :

BNA_F

ClientSampleId :

TP-4

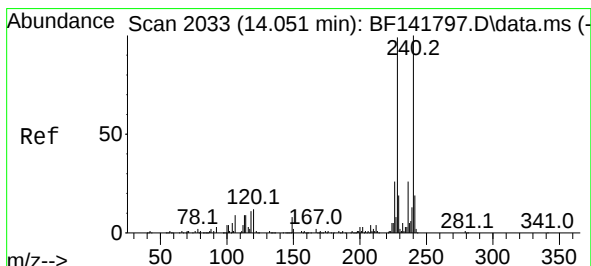
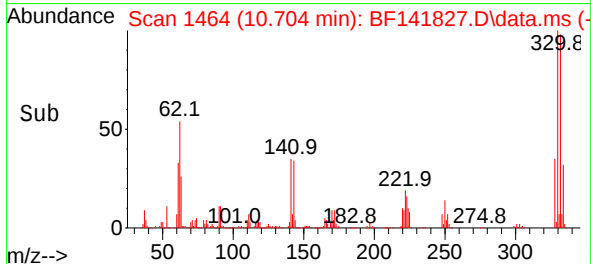
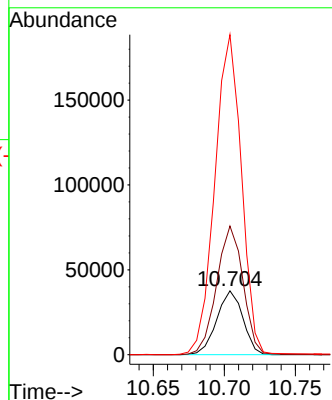
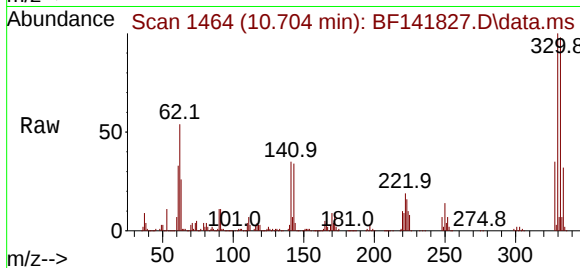
Tgt Ion:248 Resp: 48104

Ion Ratio Lower Upper

248 100

250 201.6 78.1 117.1#

141 501.2 64.3 96.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

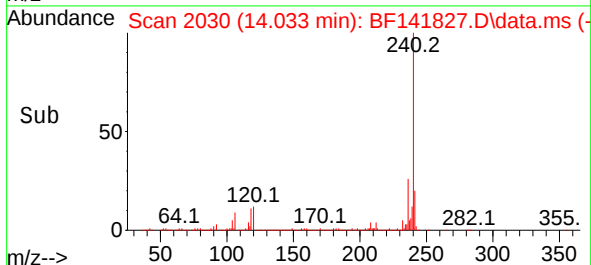
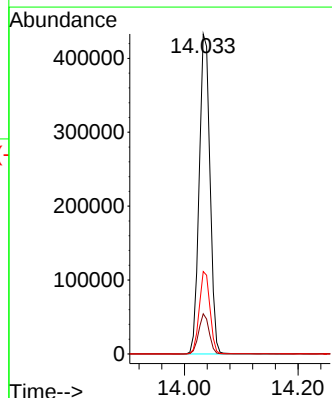
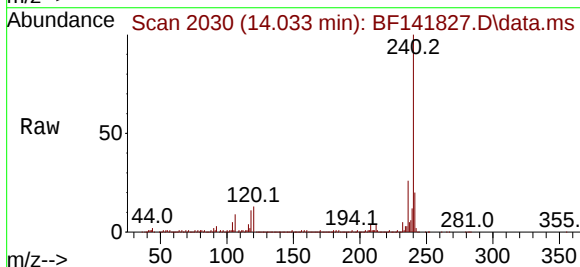
Tgt Ion:240 Resp: 572495

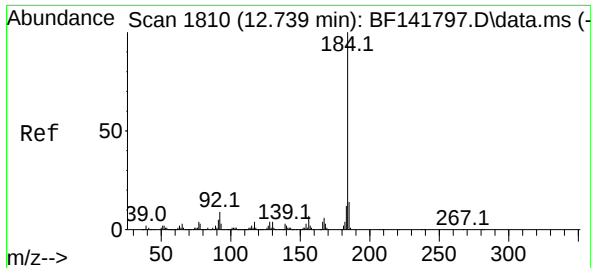
Ion Ratio Lower Upper

240 100

120 12.5 9.7 14.5

236 25.8 21.0 31.4

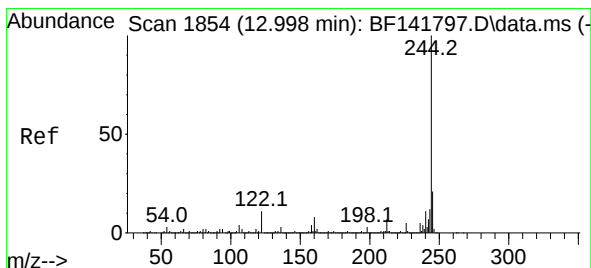
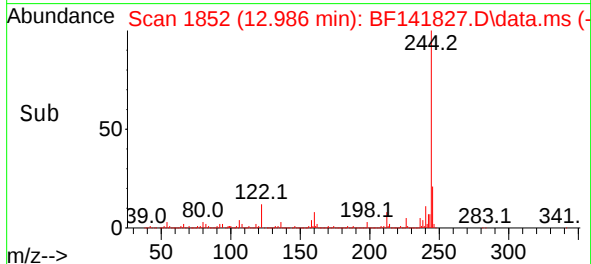
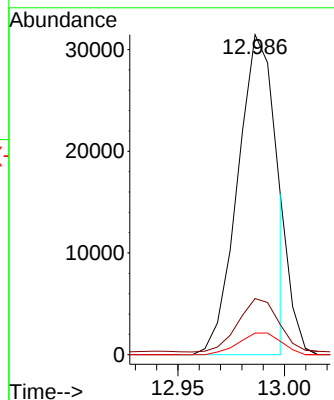
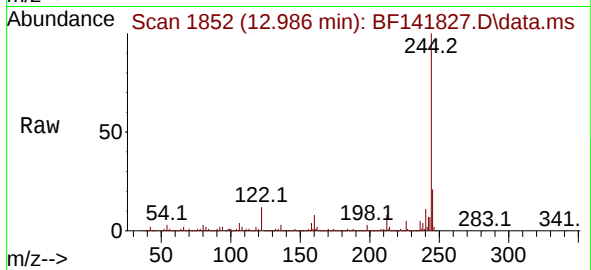




#77
Benzidine
Concen: 5.488 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

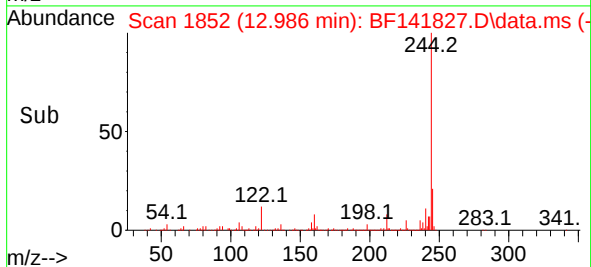
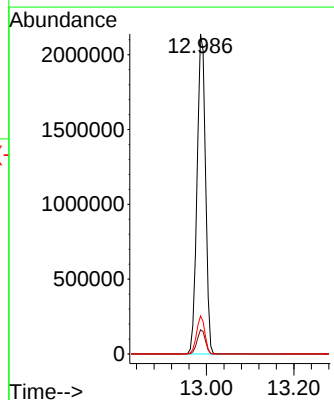
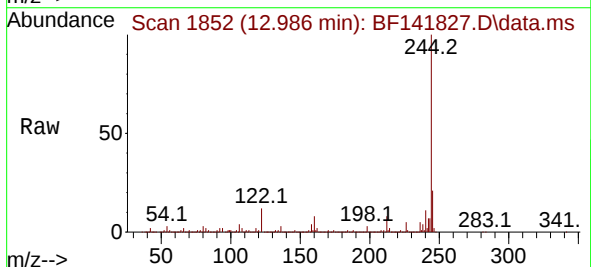
Instrument :
BNA_F
ClientSampleId :
TP-4

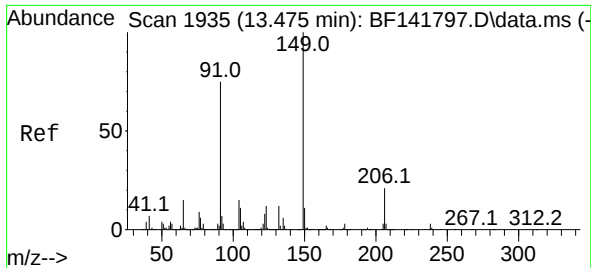
Tgt Ion:184 Resp: 39542
Ion Ratio Lower Upper
184 100
185 17.6 11.6 17.4#
183 6.8 9.4 14.0#



#79
Terphenyl-d14
Concen: 81.248 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141827.D
Acq: 04 Mar 2025 15:19

Tgt Ion:244 Resp: 2874938
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 11.9 9.0 13.6





#80

Butylbenzylphthalate

Concen: 10.007 ng

RT: 13.569 min Scan# 1951

Delta R.T. 0.094 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

Instrument :

BNA_F

ClientSampleId :

TP-4

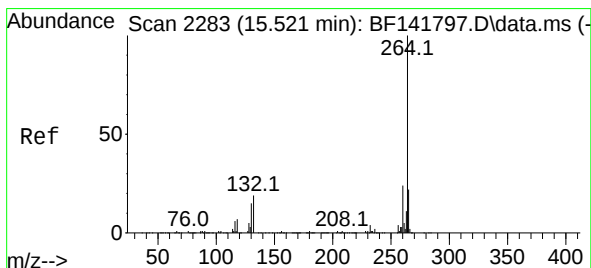
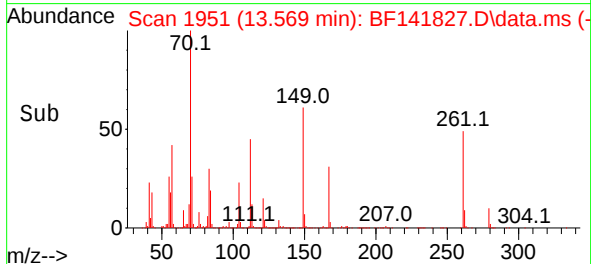
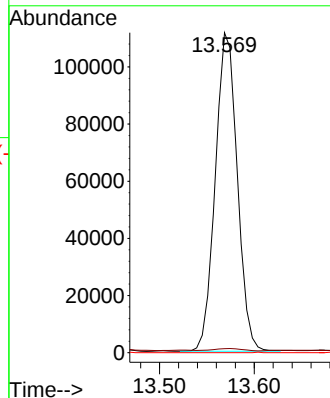
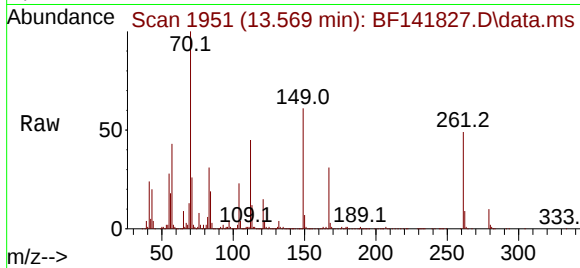
Tgt Ion:149 Resp: 180243

Ion Ratio Lower Upper

149 100

91 1.3 60.1 90.1#

206 0.0 16.8 25.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141827.D

Acq: 04 Mar 2025 15:19

Tgt Ion:264 Resp: 518056

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.6 17.4 26.0

