

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141840.D
 Acq On : 05 Mar 2025 13:24
 Operator : RC/JU
 Sample : Q1489-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Mar 05 13:44:54 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)

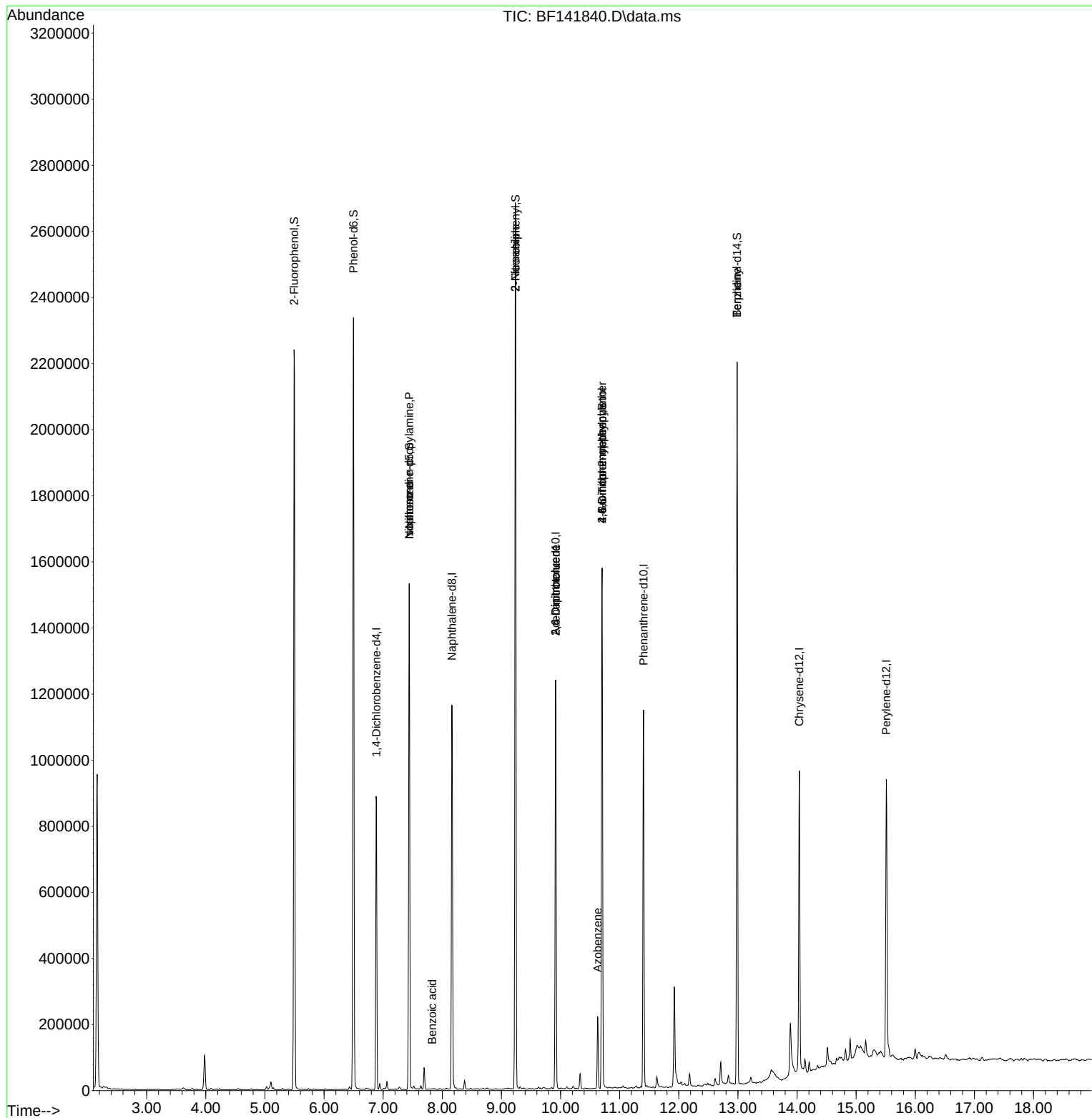
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	190110	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	715786	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	356244	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	569231	20.000	ng	0.00
76) Chrysene-d12	14.039	240	418751	20.000	ng	-0.01
86) Perylene-d12	15.510	264	484305	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	848418	71.270	ng	0.00
7) Phenol-d6	6.498	99	1066646	68.840	ng	-0.01
23) Nitrobenzene-d5	7.440	82	661529	59.075	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	247595	74.031	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1198813	53.958	ng	0.00
79) Terphenyl-d14	12.986	244	1017906	39.329	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	89736	8.810	ng	# 79
25) Isophorone	7.440	82	658453	27.370	ng	# 66
32) Benzoic acid	7.828	122	383	7.734	ng	90
48) 2-Nitroaniline	9.234	65	1864	4.649	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	47353	12.593	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	47353	11.396	ng	# 20
63) Azobenzene	10.628	77	56368	2.238	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	531	8.291	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	17607	2.648	ng	# 1
77) Benzidine	12.986	184	13863	2.630	ng	# 94

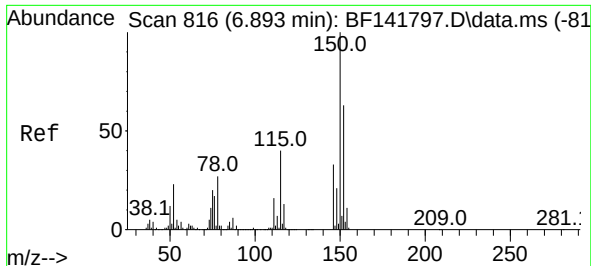
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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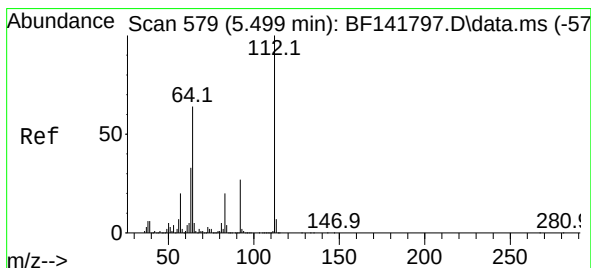
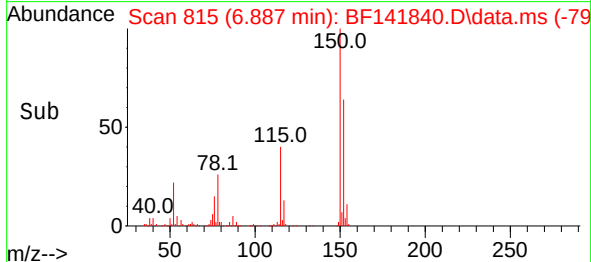
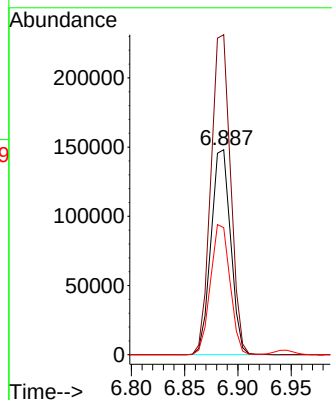
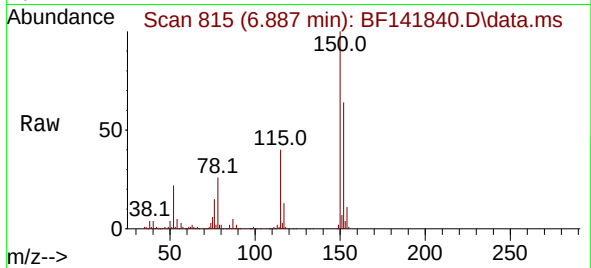




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

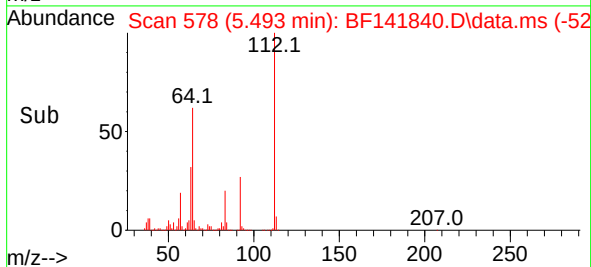
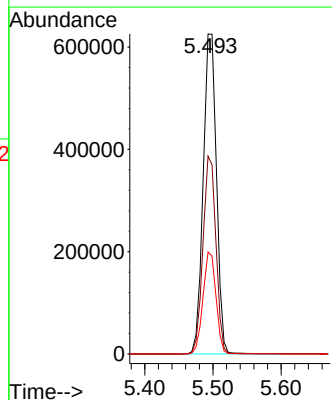
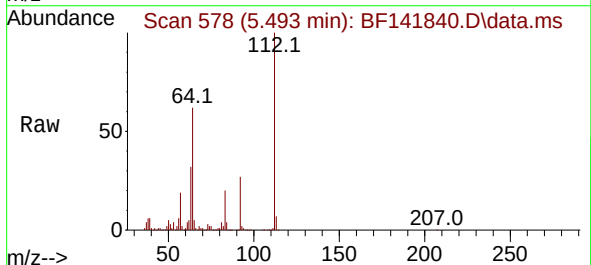
Instrument :
BNA_F
ClientSampleId :
TP-4

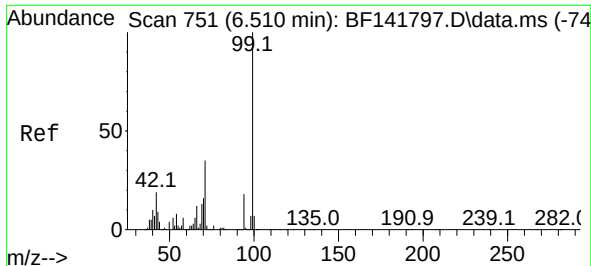
Tgt Ion:152 Resp: 190110
Ion Ratio Lower Upper
152 100
150 156.1 127.5 191.3
115 62.0 51.4 77.2



#5
2-Fluorophenol
Concen: 71.270 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

Tgt Ion:112 Resp: 848418
Ion Ratio Lower Upper
112 100
64 61.8 51.3 76.9
63 31.9 26.2 39.4





#7

Phenol-d6

Concen: 68.840 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

Instrument :

BNA_F

ClientSampleId :

TP-4

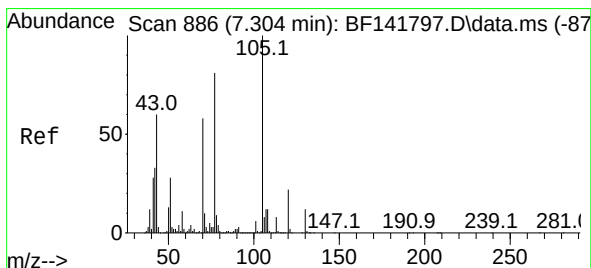
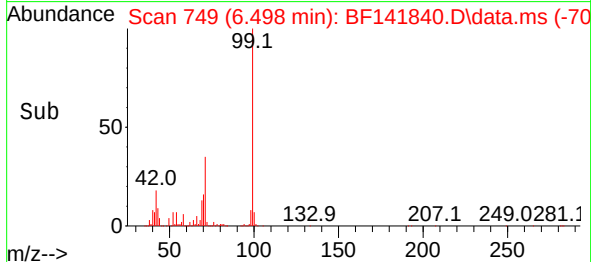
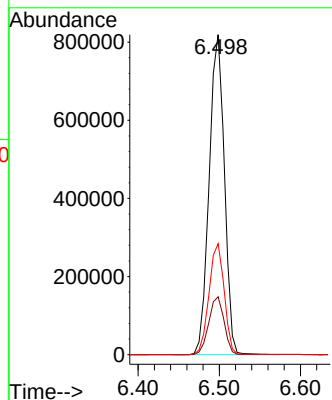
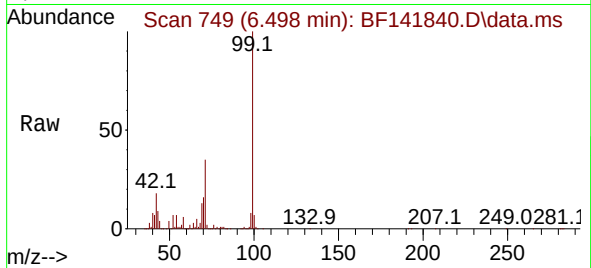
Tgt Ion: 99 Resp: 1066646

Ion Ratio Lower Upper

99 100

42 18.1 15.2 22.8

71 34.7 28.2 42.2



#19

n-Nitroso-di-n-propylamine

Concen: 8.810 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.135 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

Tgt Ion: 70 Resp: 89736

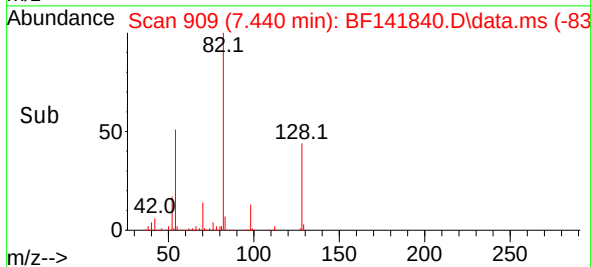
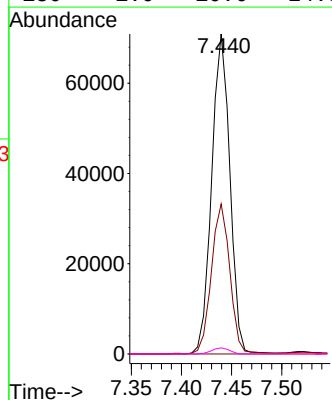
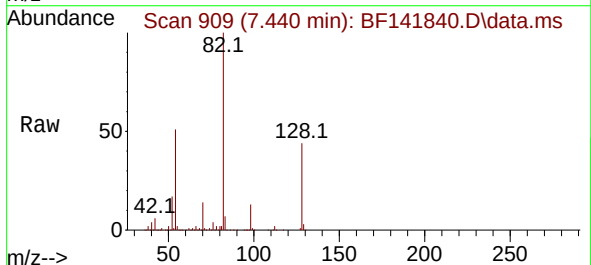
Ion Ratio Lower Upper

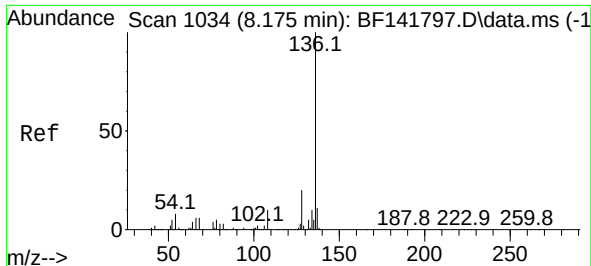
70 100

42 46.9 45.4 68.0

101 0.0 7.8 11.8#

130 1.9 16.6 24.8#



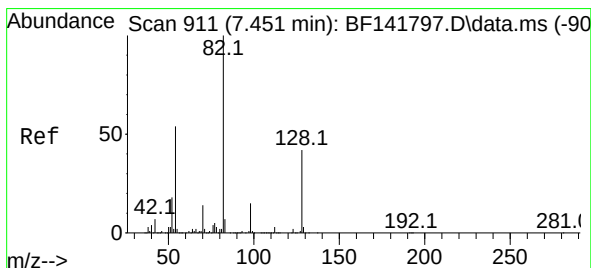
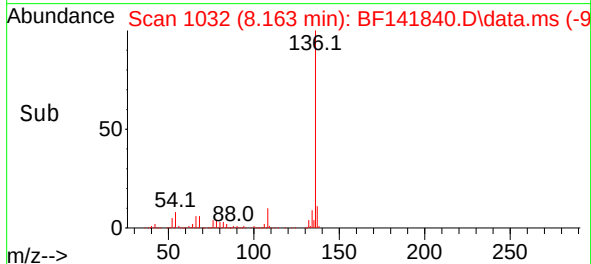
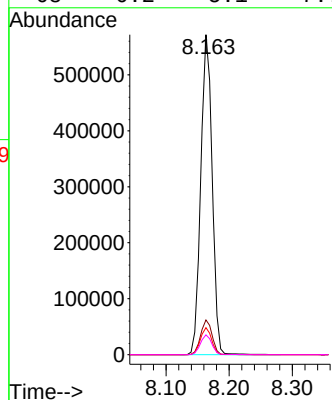
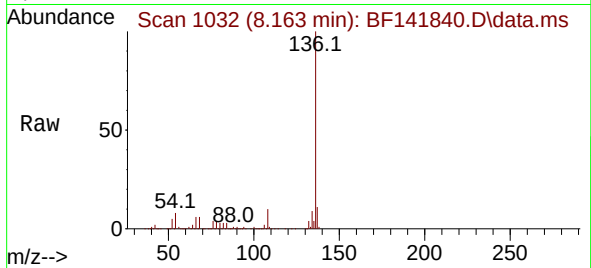


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 715786

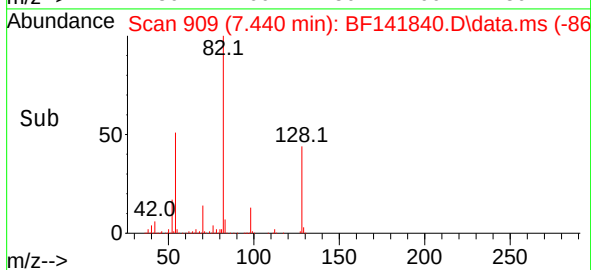
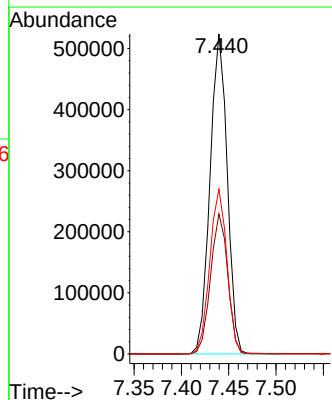
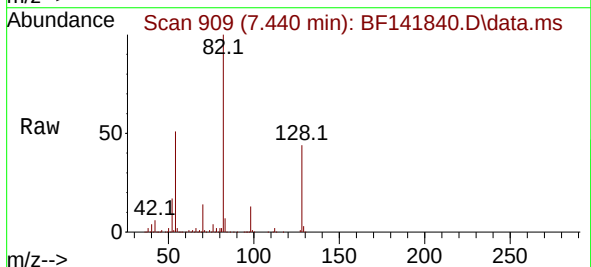
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.4	6.9	10.3
68	6.2	5.1	7.7

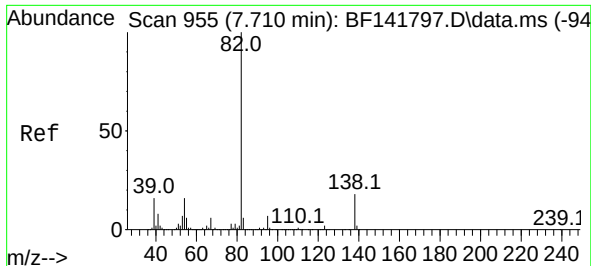


#23
Nitrobenzene-d5
Concen: 59.075 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

Tgt Ion: 82 Resp: 661529

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.5	50.3
54	51.5	42.7	64.1

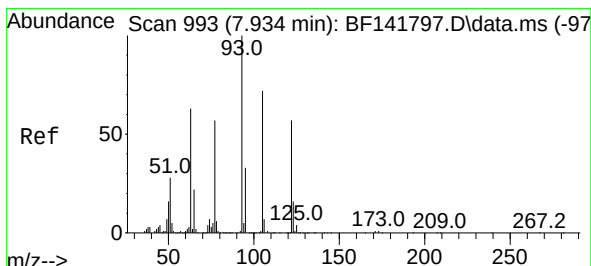
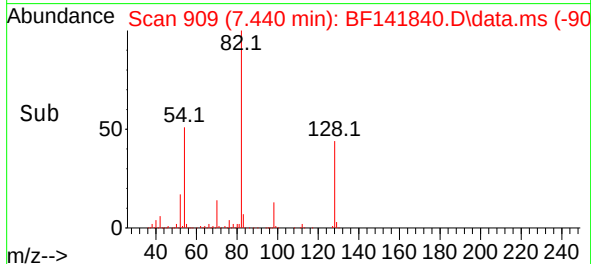
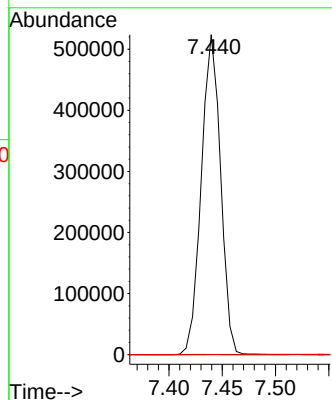
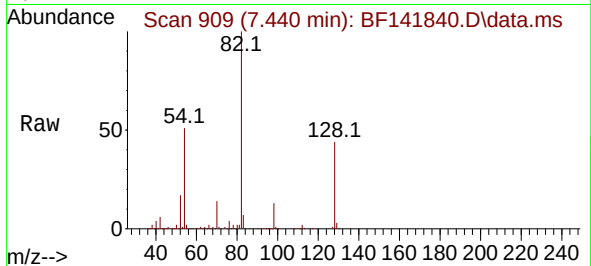




#25
Isophorone
Concen: 27.370 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

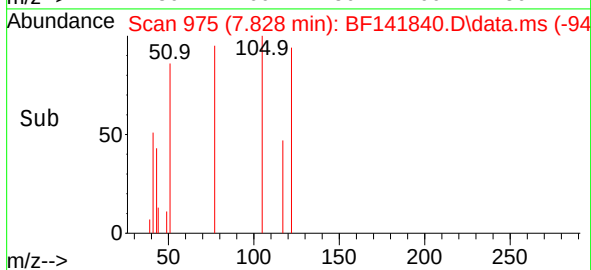
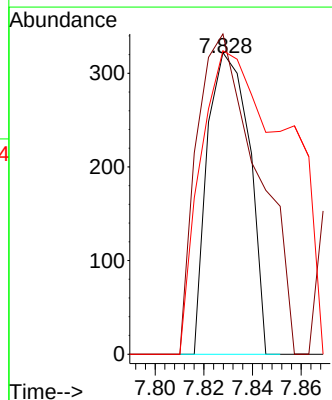
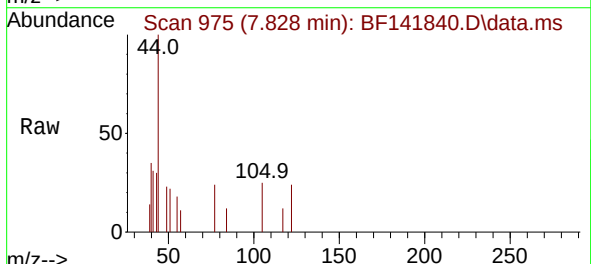
Instrument :
BNA_F
ClientSampleId :
TP-4

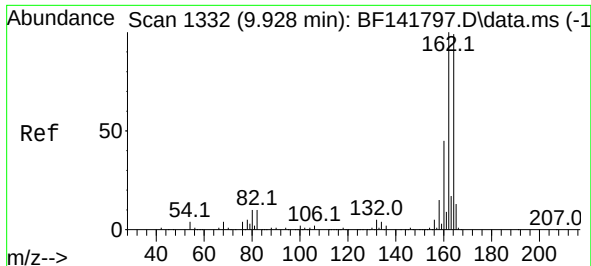
Tgt Ion: 82 Resp: 658453
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.734 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.106 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

Tgt Ion:122 Resp: 383
Ion Ratio Lower Upper
122 100
105 106.2 105.8 145.8
77 100.6 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: BF141840.D

Acq: 05 Mar 2025 13:24

Instrument :

BNA_F

ClientSampleId :

TP-4

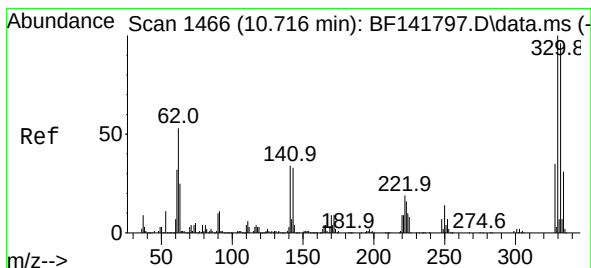
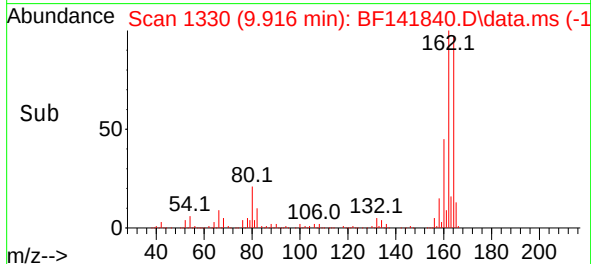
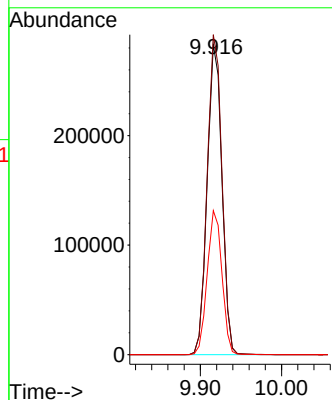
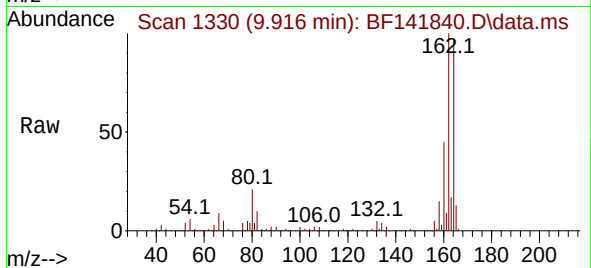
Tgt Ion:164 Resp: 356244

Ion Ratio Lower Upper

164 100

162 103.2 80.6 120.8

160 46.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 74.031 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

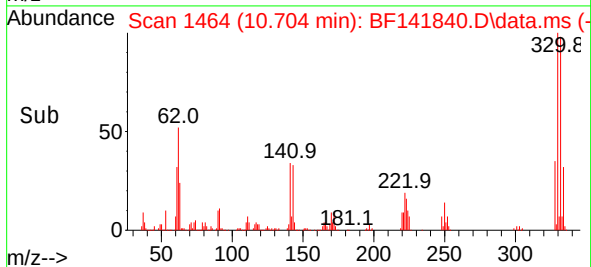
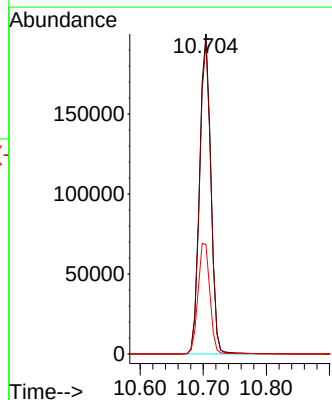
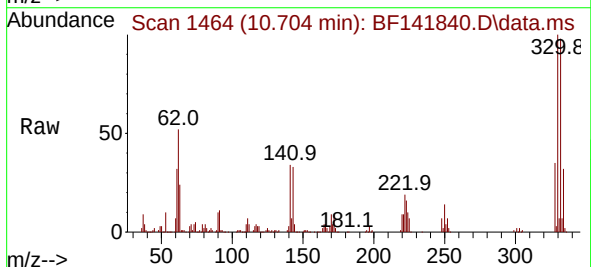
Tgt Ion:330 Resp: 247595

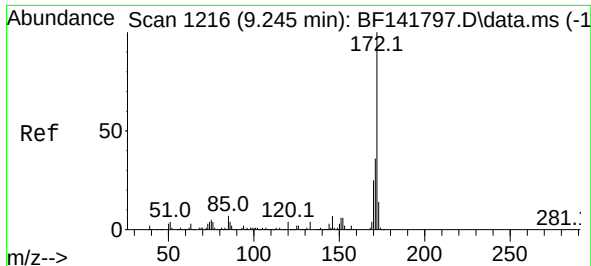
Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

141 36.3 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 53.958 ng

RT: 9.239 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

Instrument :

BNA_F

ClientSampleId :

TP-4

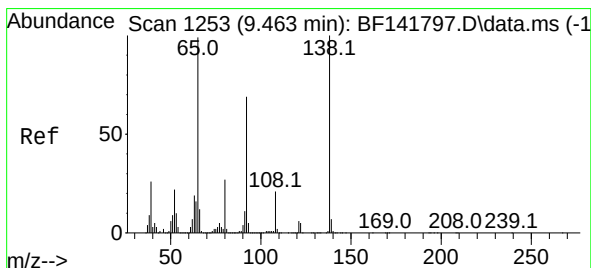
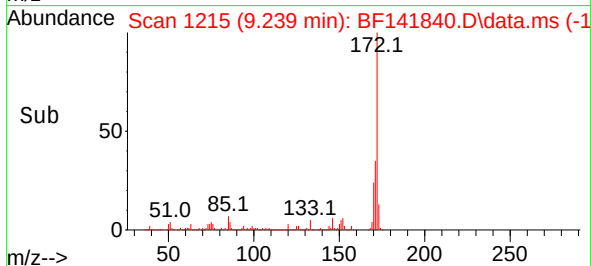
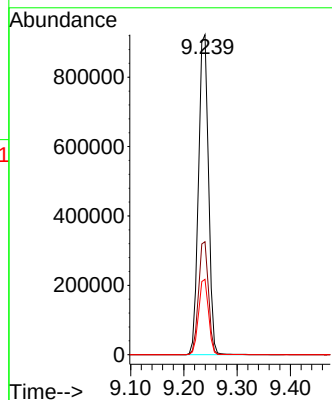
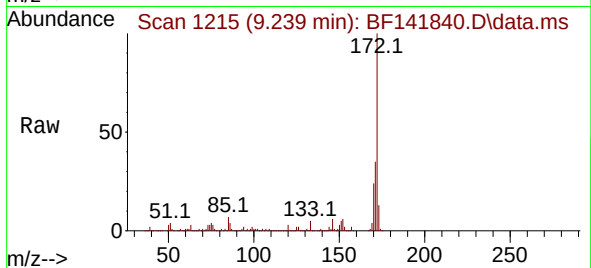
Tgt Ion:172 Resp: 1198813

Ion Ratio Lower Upper

172 100

171 35.3 29.2 43.8

170 23.5 19.7 29.5



#48

2-Nitroaniline

Concen: 4.649 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.229 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

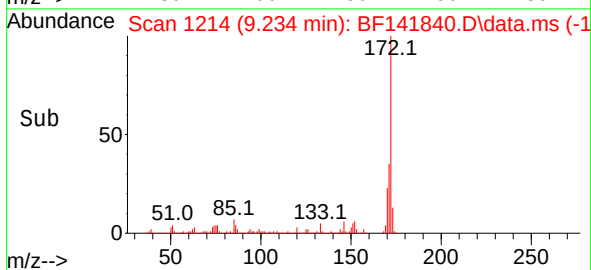
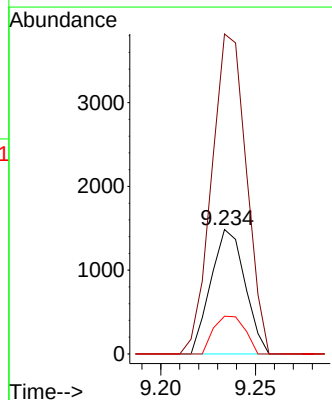
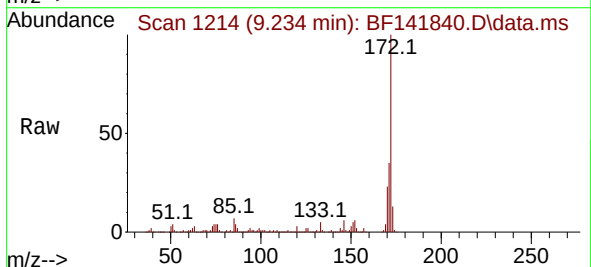
Tgt Ion: 65 Resp: 1864

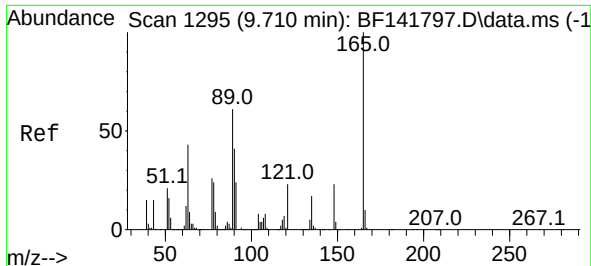
Ion Ratio Lower Upper

65 100

92 257.2 55.7 83.5#

138 30.3 80.6 121.0#

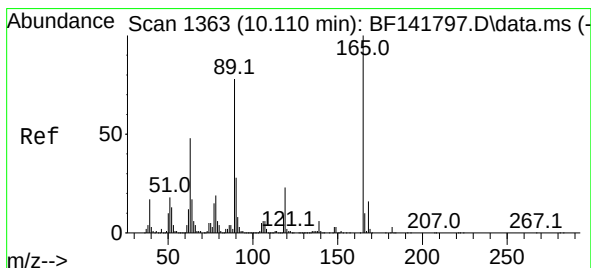
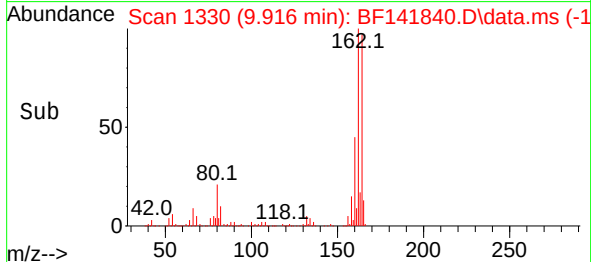
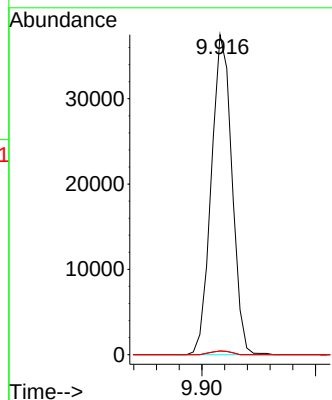
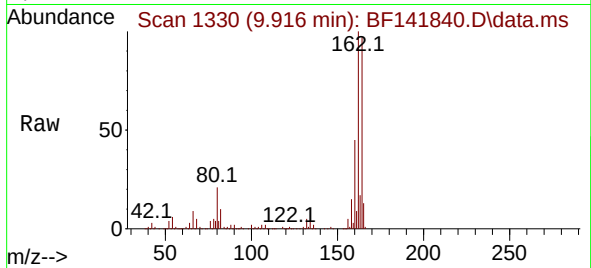




#51
2,6-Dinitrotoluene
Concen: 12.593 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

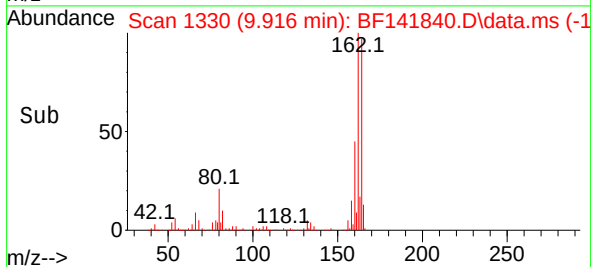
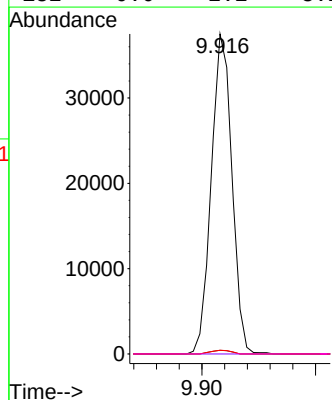
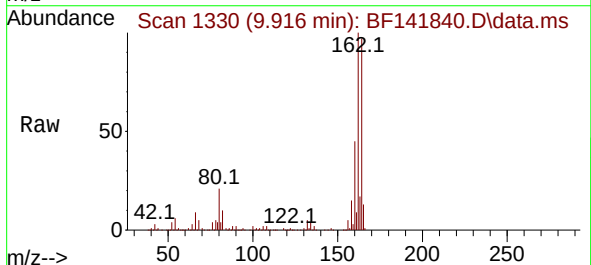
Instrument :
BNA_F
ClientSampleId :
TP-4

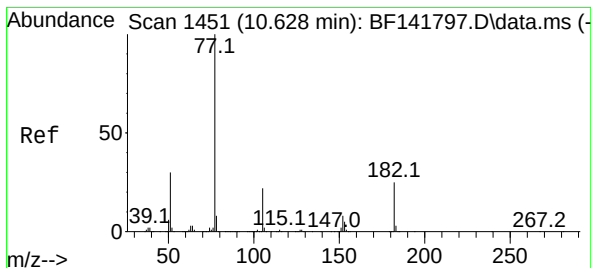
Tgt Ion:165 Resp: 47353
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.2 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 11.396 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141840.D
Acq: 05 Mar 2025 13:24

Tgt Ion:165 Resp: 47353
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: 2.238 ng

RT: 10.628 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion: 77 Resp: 56368

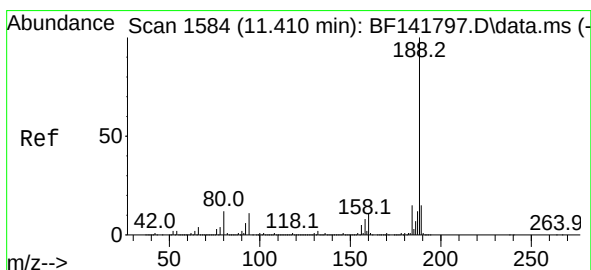
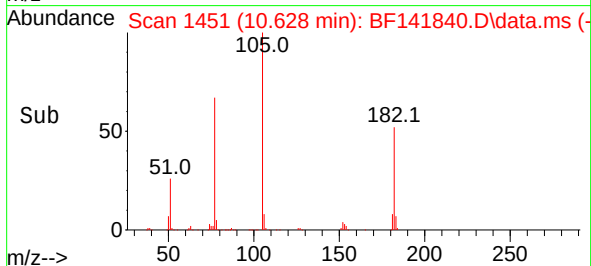
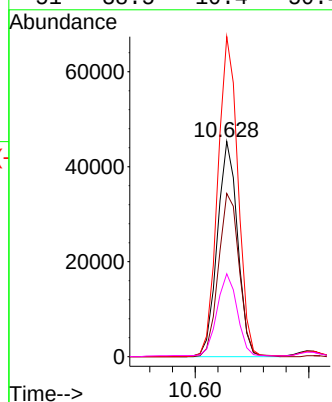
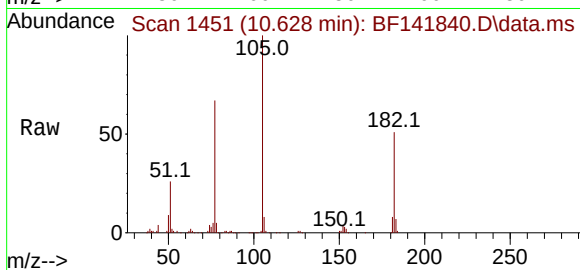
Ion Ratio Lower Upper

77 100

182 75.9 4.2 44.2#

105 148.7 1.5 41.5#

51 38.5 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: BF141840.D

Acq: 05 Mar 2025 13:24

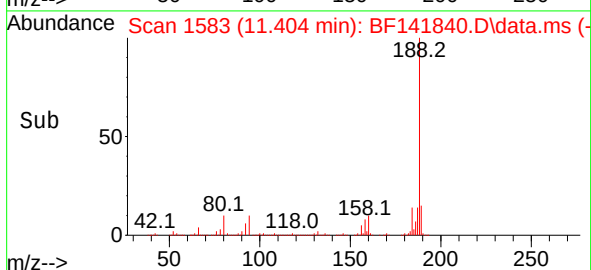
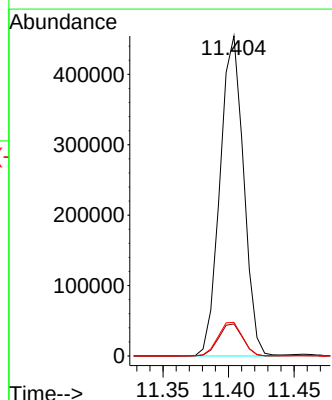
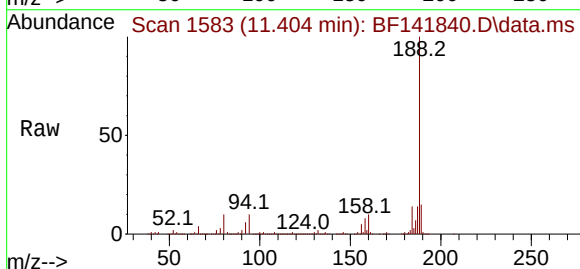
Tgt Ion: 188 Resp: 569231

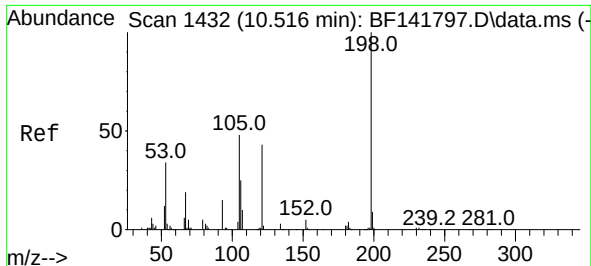
Ion Ratio Lower Upper

188 100

94 10.0 8.9 13.3

80 10.5 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.291 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

Instrument :

BNA_F

ClientSampleId :

TP-4

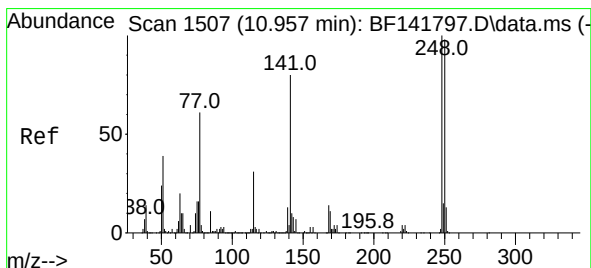
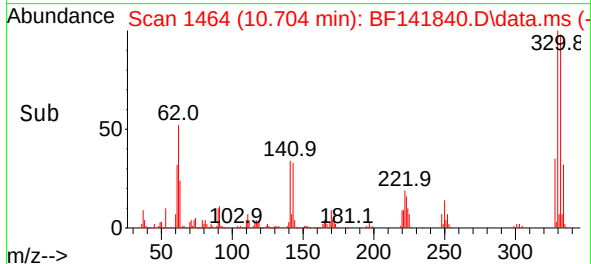
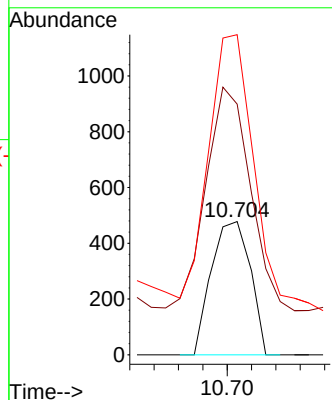
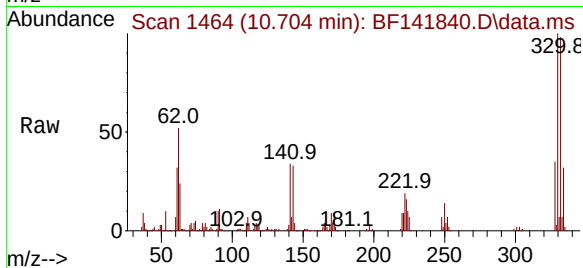
Tgt Ion:198 Resp: 531

Ion Ratio Lower Upper

198 100

51 188.1 32.1 72.1#

105 240.2 28.5 68.5#



#67

4-Bromophenyl-phenylether

Concen: 2.648 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

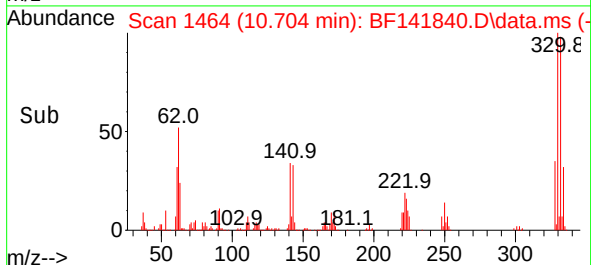
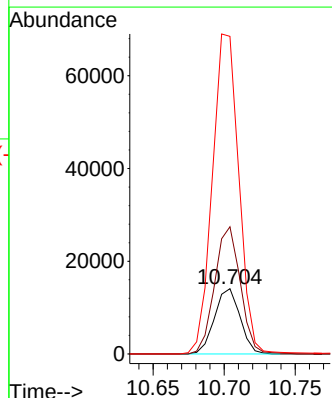
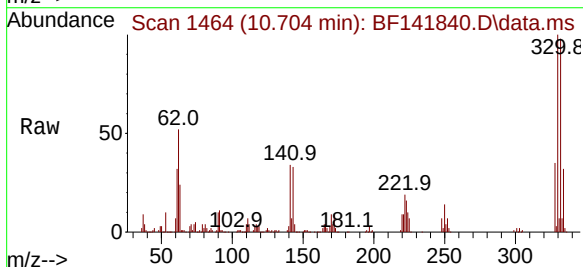
Tgt Ion:248 Resp: 17607

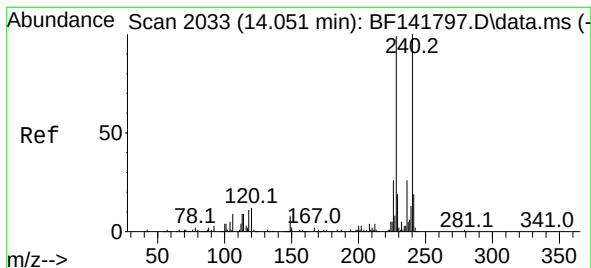
Ion Ratio Lower Upper

248 100

250 194.7 78.1 117.1#

141 486.5 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: BF141840.D

Acq: 05 Mar 2025 13:24

Instrument :

BNA_F

ClientSampleId :

TP-4

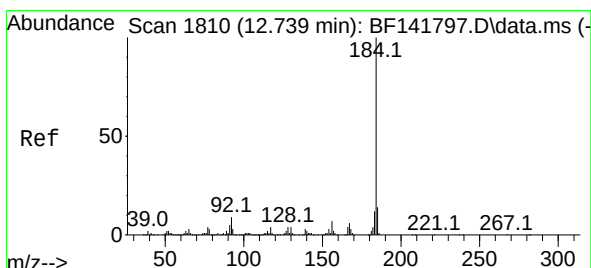
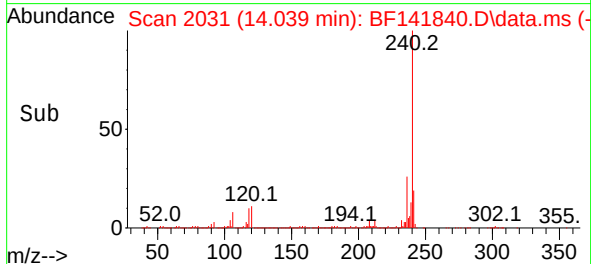
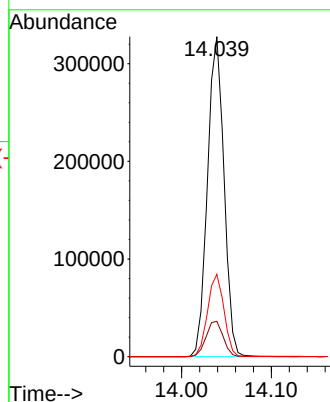
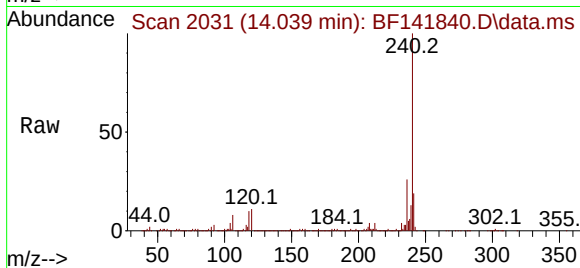
Tgt Ion:240 Resp: 418751

Ion Ratio Lower Upper

240 100

120 11.1 9.7 14.5

236 25.8 21.0 31.4



#77

Benzidine

Concen: 2.630 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

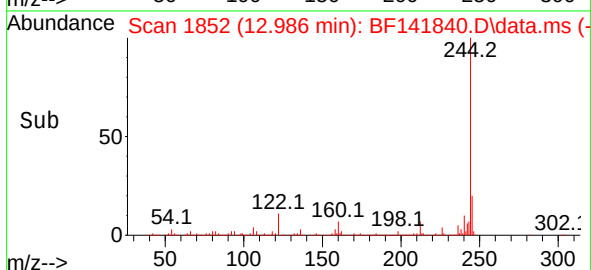
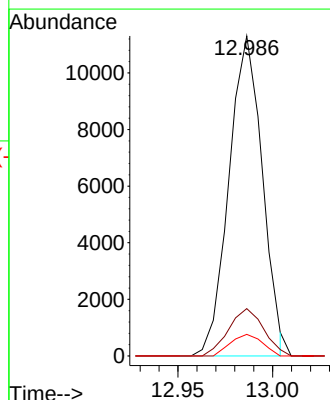
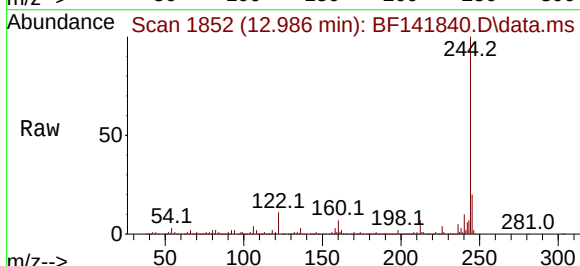
Tgt Ion:184 Resp: 13863

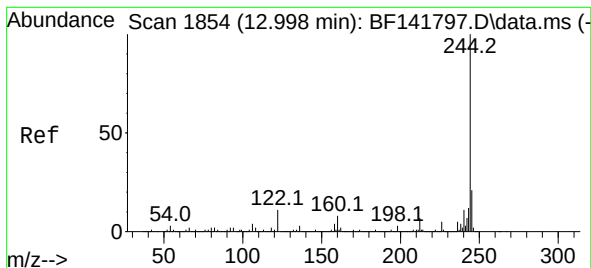
Ion Ratio Lower Upper

184 100

185 14.8 11.6 17.4

183 6.8 9.4 14.0#





#79

Terphenyl-d14

Concen: 39.329 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141840.D

Acq: 05 Mar 2025 13:24

Instrument :

BNA_F

ClientSampleId :

TP-4

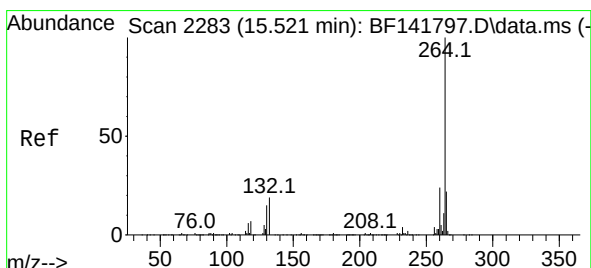
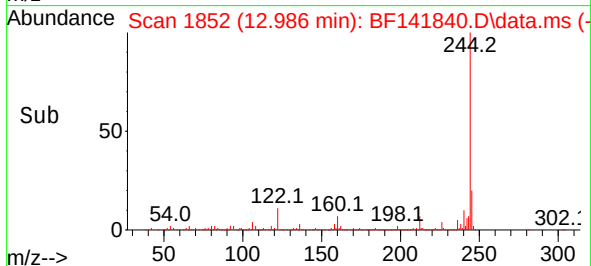
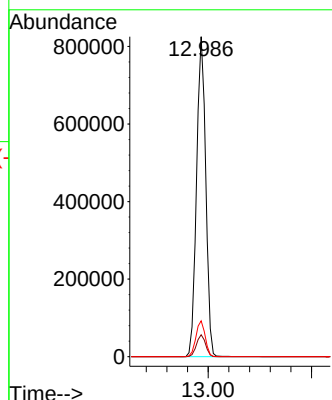
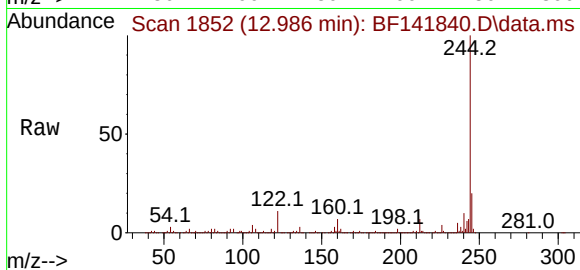
Tgt Ion:244 Resp: 1017906

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 11.2 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: BF141840.D

Acq: 05 Mar 2025 13:24

Tgt Ion:264 Resp: 484305

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.3 17.4 26.0

