

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141422.D
 Acq On : 04 Feb 2025 21:19
 Operator : RC/JU
 Sample : Q1206-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.1-012725

Quant Time: Feb 05 00:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

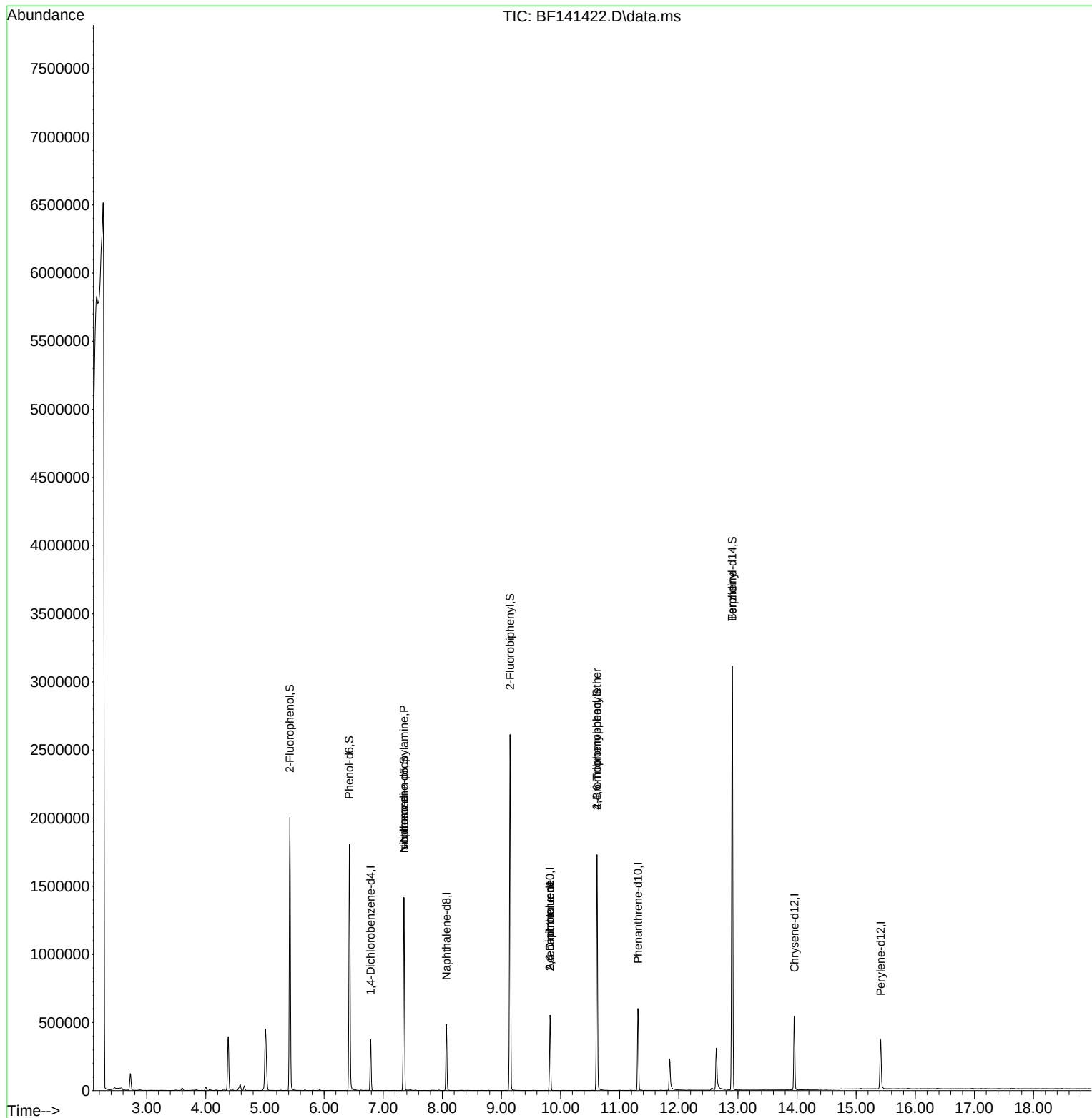
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	73632	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	299992	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	166149	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	304189	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	273653	20.000	ng	#-0.02
86) Perylene-d12	15.416	264	216976	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	707987	147.613	ng	0.01
7) Phenol-d6	6.428	99	818781	134.195	ng	-0.01
23) Nitrobenzene-d5	7.351	82	614912	108.056	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	281908	185.076	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1153615	106.870	ng	-0.02
79) Terphenyl-d14	12.904	244	1559034	87.860	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	85299	23.528	ng	# 77
25) Isophorone	7.351	82	610369	62.049	ng	# 65
51) 2,6-Dinitrotoluene	9.822	165	20737	7.959	ng	# 24
57) 2,4-Dinitrotoluene	9.822	165	20737	6.147	ng	# 23
67) 4-Bromophenyl-phenylether	10.616	248	19336	5.678	ng	# 1
77) Benzidine	12.904	184	21291	2.427	ng	# 93

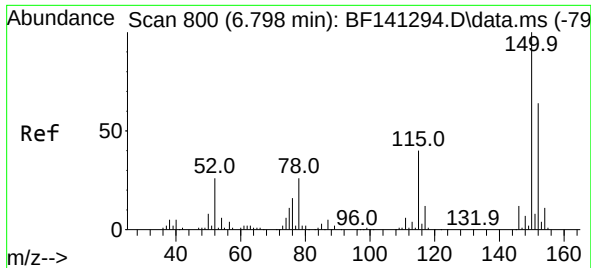
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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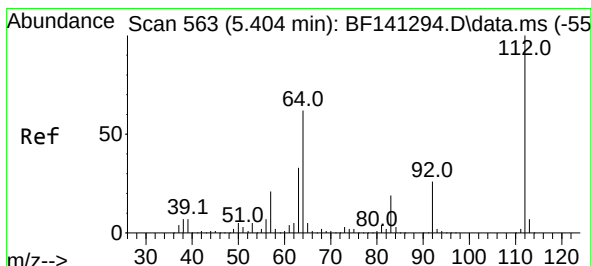
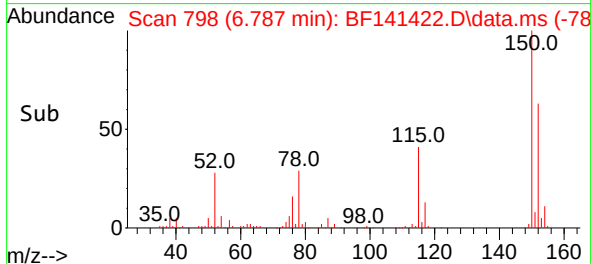
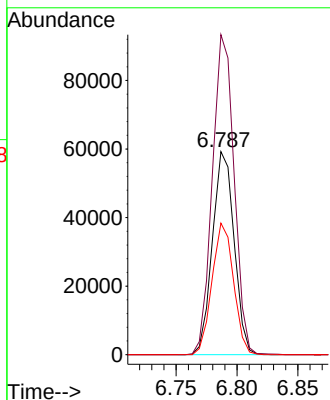
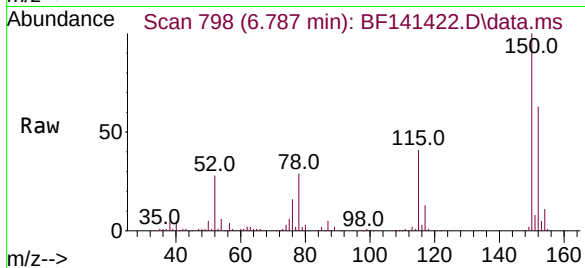




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.017 min
 Lab File: BF141422.D
 Acq: 04 Feb 2025 21:19

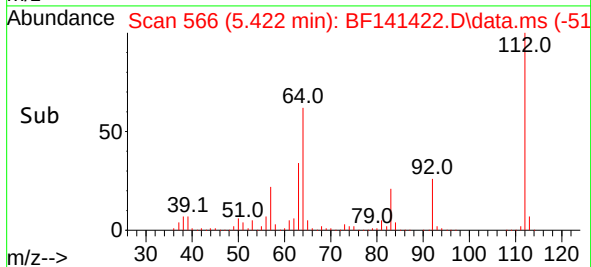
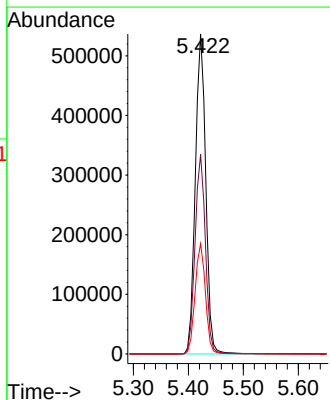
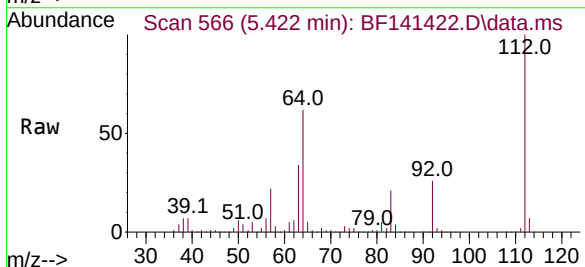
Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.1-012725

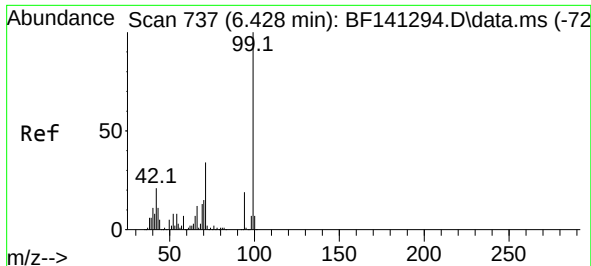
Tgt Ion:152 Resp: 73632
 Ion Ratio Lower Upper
 152 100
 150 157.6 125.9 188.9
 115 64.8 49.7 74.5



#5
 2-Fluorophenol
 Concen: 147.613 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141422.D
 Acq: 04 Feb 2025 21:19

Tgt Ion:112 Resp: 707987
 Ion Ratio Lower Upper
 112 100
 64 62.3 49.8 74.8
 63 34.5 26.1 39.1

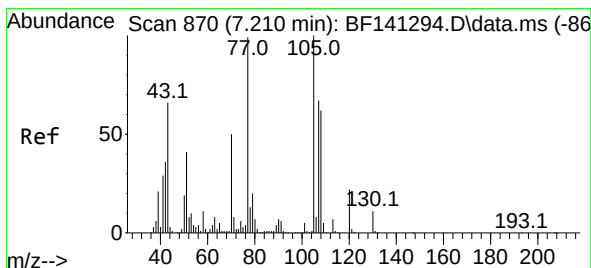
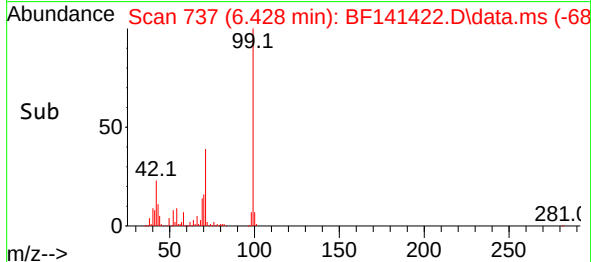
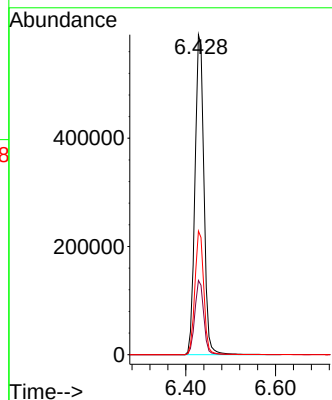
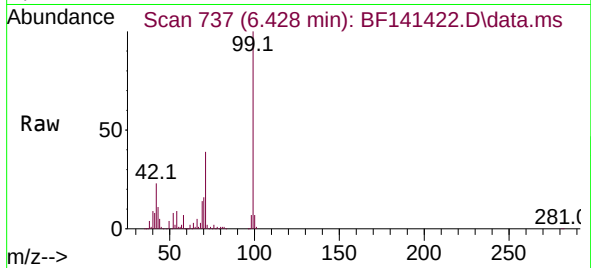




#7
Phenol-d6
Concen: 134.195 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19

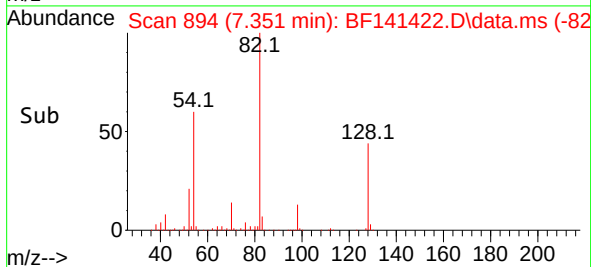
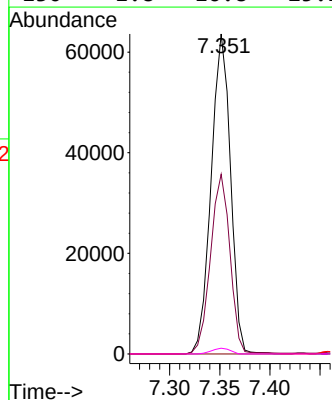
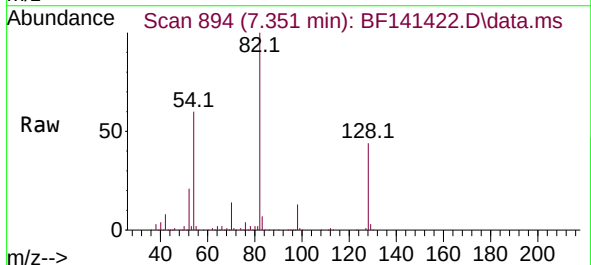
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

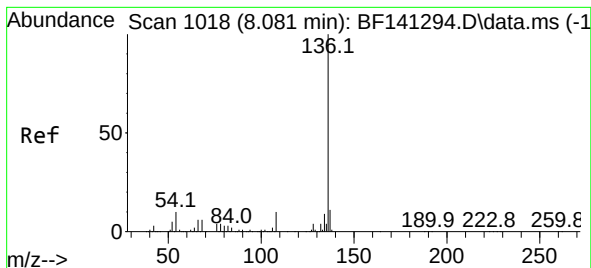
Tgt Ion: 99 Resp: 818781
Ion Ratio Lower Upper
99 100
42 23.2 17.1 25.7
71 38.7 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 23.528 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19

Tgt Ion: 70 Resp: 85299
Ion Ratio Lower Upper
70 100
42 56.2 56.8 85.2#
101 0.0 7.7 11.5#
130 1.8 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.018 min

Lab File: BF141422.D

Acq: 04 Feb 2025 21:19

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725

Tgt Ion:136 Resp: 299992

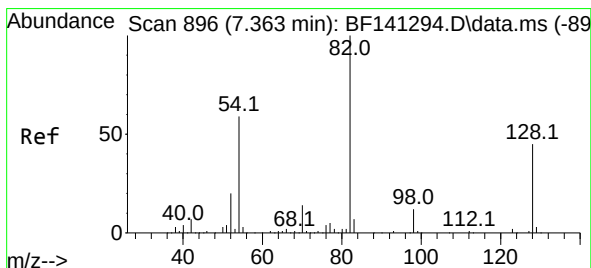
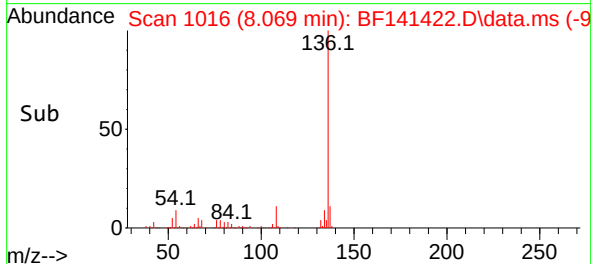
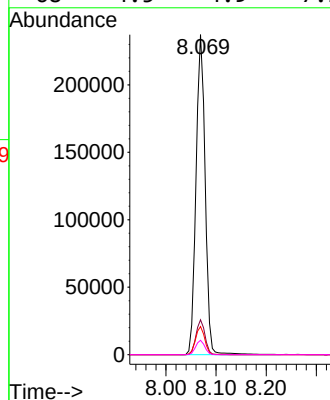
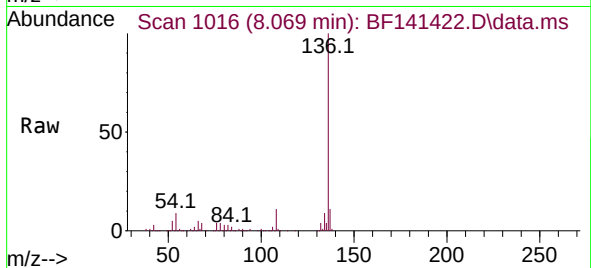
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.8 7.8 11.8

68 4.5 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 108.056 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141422.D

Acq: 04 Feb 2025 21:19

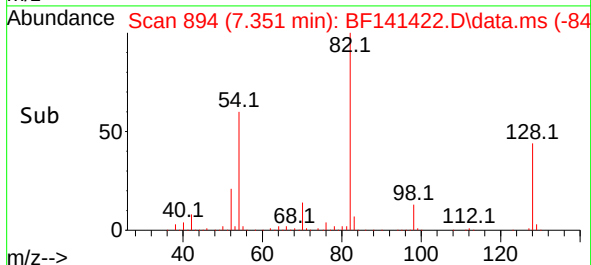
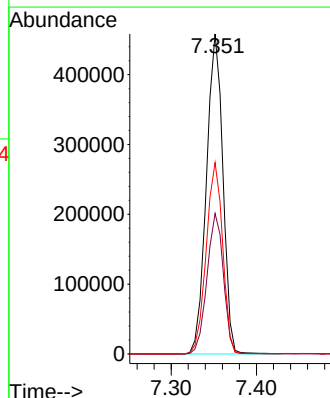
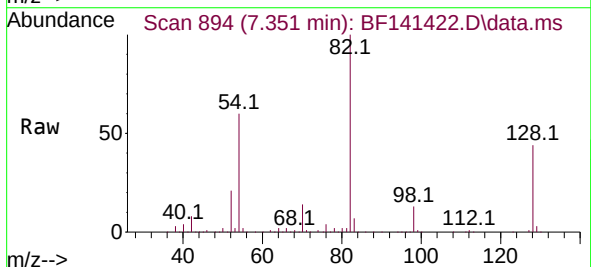
Tgt Ion: 82 Resp: 614912

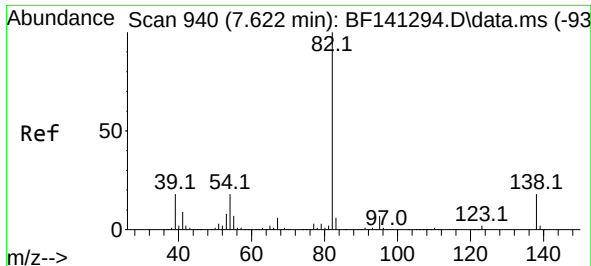
Ion Ratio Lower Upper

82 100

128 43.9 35.7 53.5

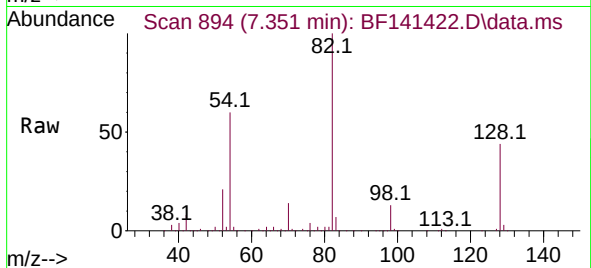
54 59.8 47.1 70.7



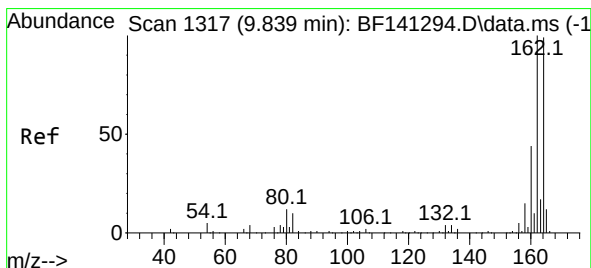
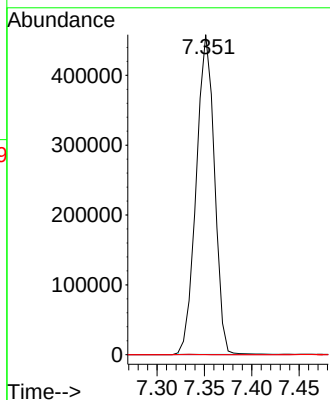
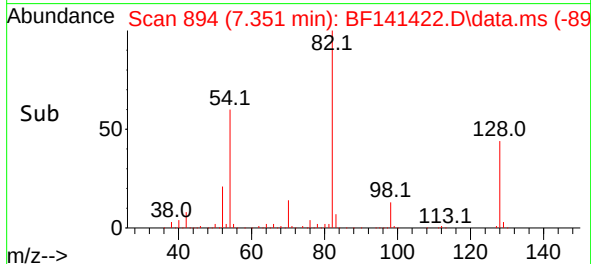


#25
Isophorone
Concen: 62.049 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19

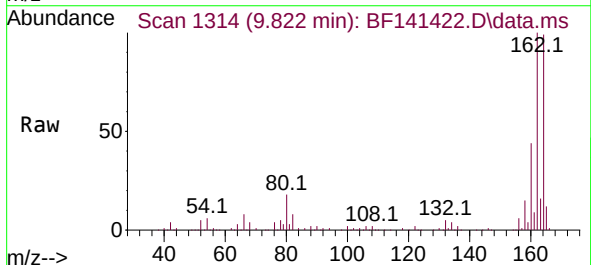
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725



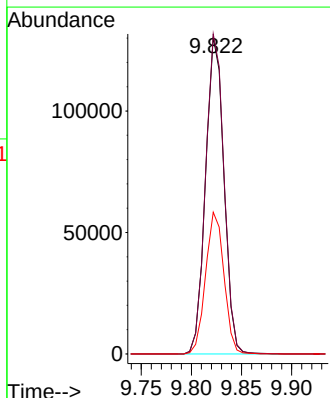
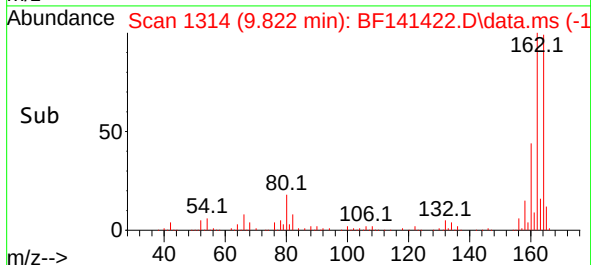
Tgt Ion: 82 Resp: 610369
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#

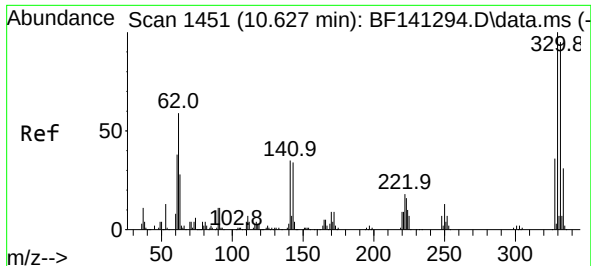


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19



Tgt Ion: 164 Resp: 166149
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 44.8 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 185.076 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141422.D

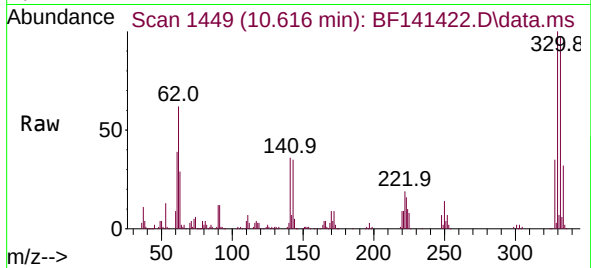
Acq: 04 Feb 2025 21:19

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725



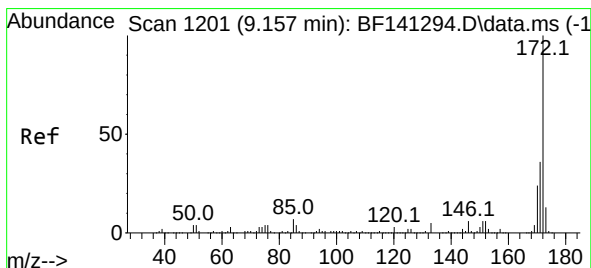
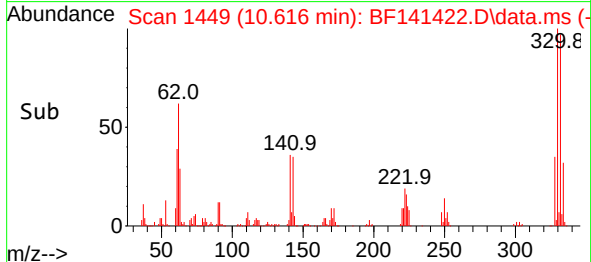
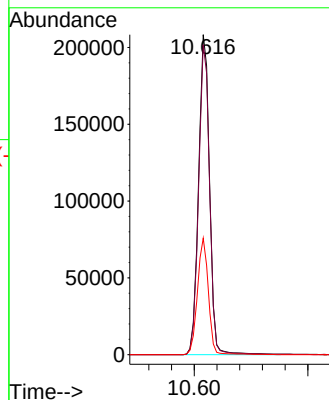
Tgt Ion:330 Resp: 281908

Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

141 36.2 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 106.870 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141422.D

Acq: 04 Feb 2025 21:19

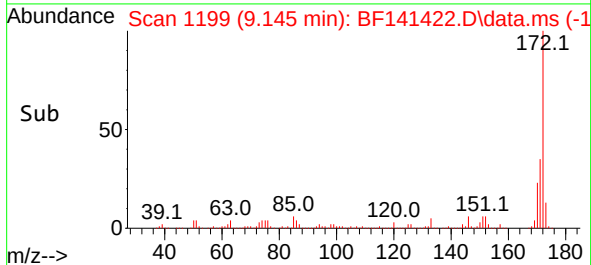
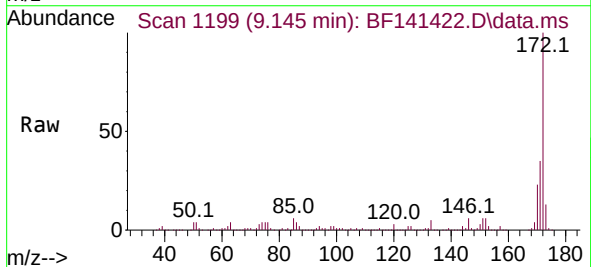
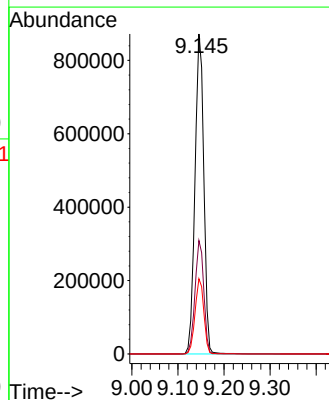
Tgt Ion:172 Resp: 1153615

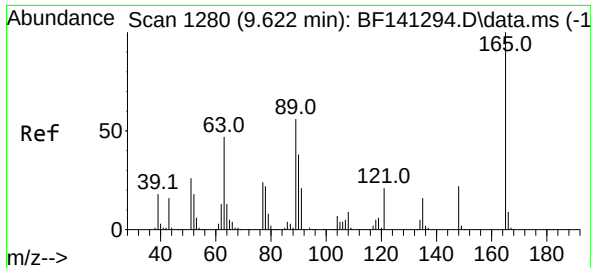
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.5 19.0 28.6

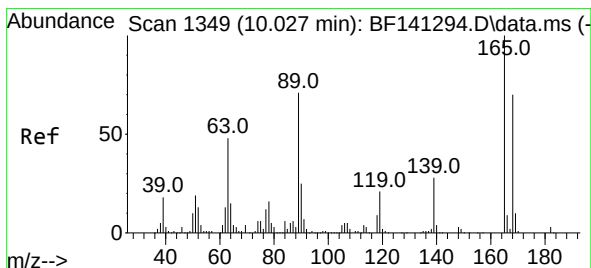
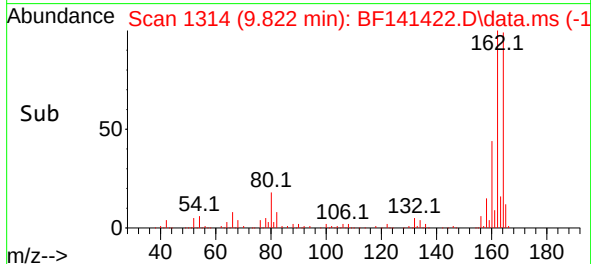
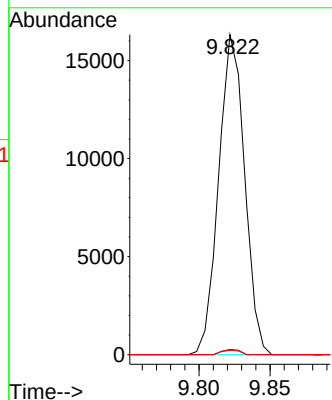
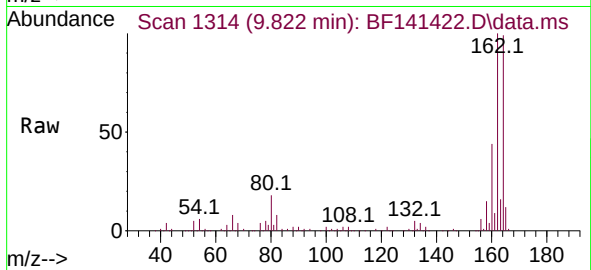




#51
2,6-Dinitrotoluene
Concen: 7.959 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19

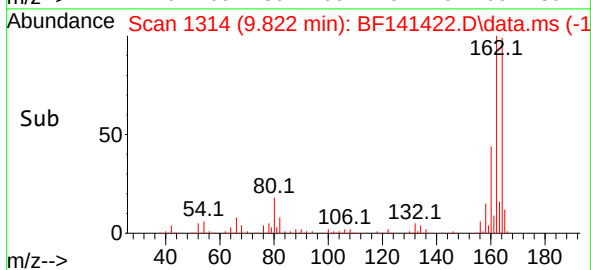
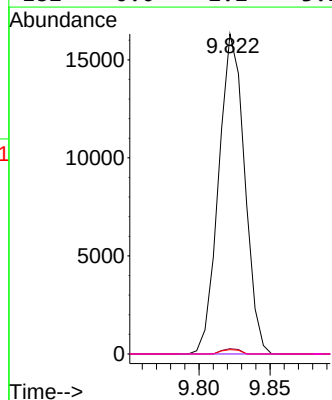
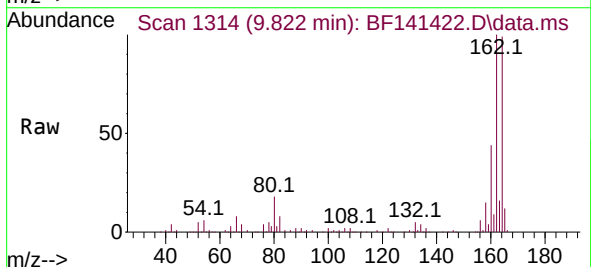
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JPP-20.1-012725

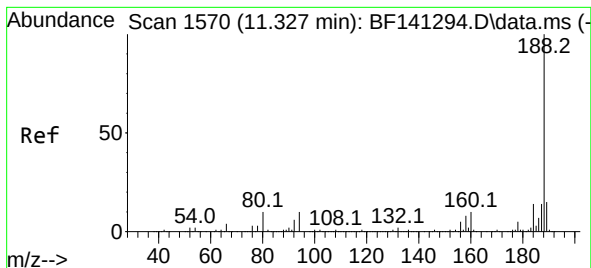
Tgt Ion:165 Resp: 20737
Ion Ratio Lower Upper
165 100
63 1.6 48.1 72.1#
89 1.4 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 6.147 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.212 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19

Tgt Ion:165 Resp: 20737
Ion Ratio Lower Upper
165 100
63 1.6 39.2 58.8#
89 1.4 56.9 85.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141422.D

Acq: 04 Feb 2025 21:19

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725

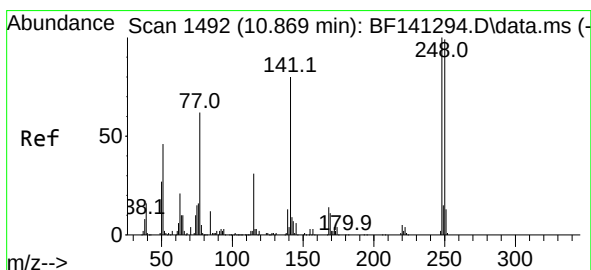
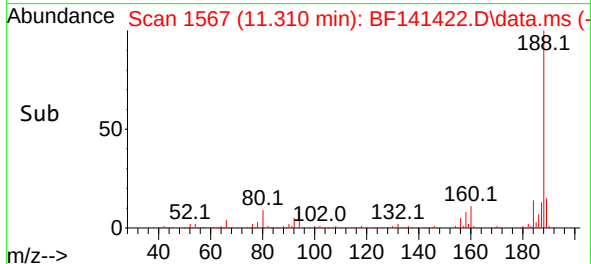
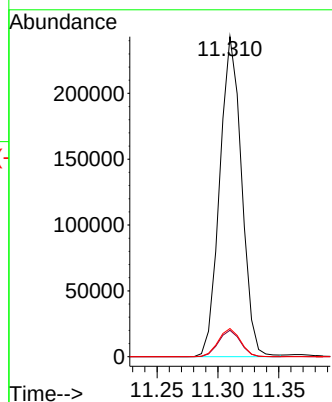
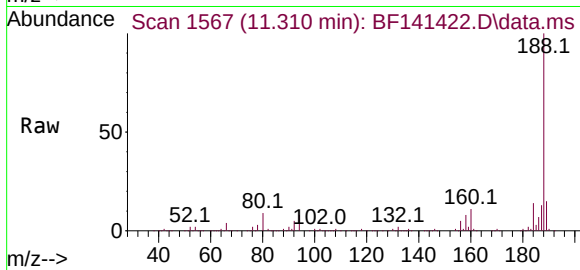
Tgt Ion:188 Resp: 304189

Ion Ratio Lower Upper

188 100

94 8.3 7.8 11.6

80 8.8 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 5.678 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.259 min

Lab File: BF141422.D

Acq: 04 Feb 2025 21:19

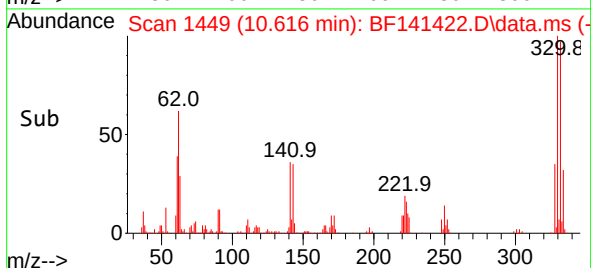
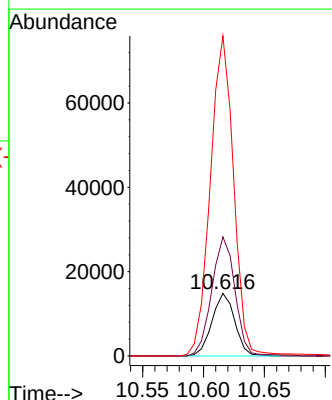
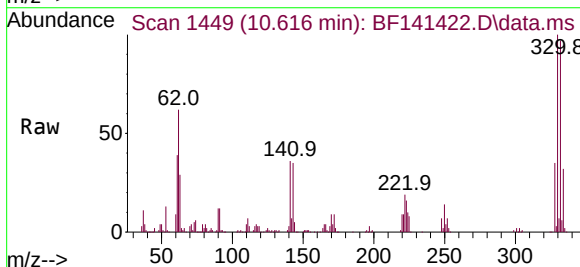
Tgt Ion:248 Resp: 19336

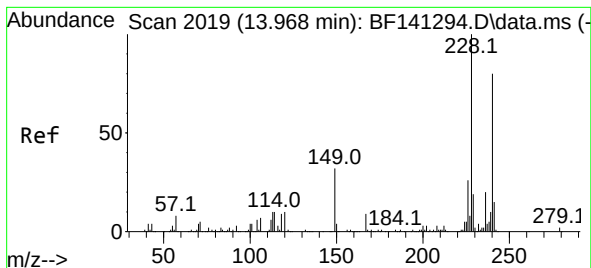
Ion Ratio Lower Upper

248 100

250 190.3 79.0 118.4#

141 511.9 63.7 95.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141422.D

Acq: 04 Feb 2025 21:19

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725

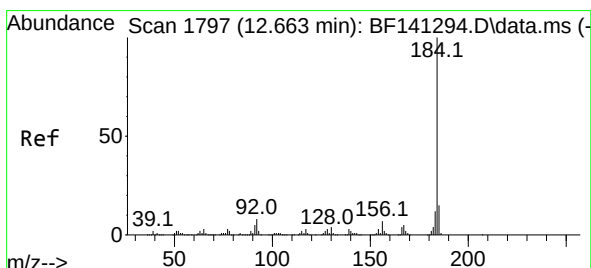
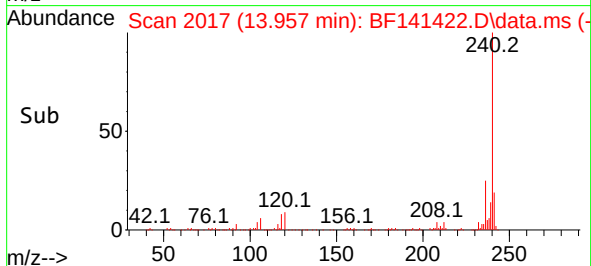
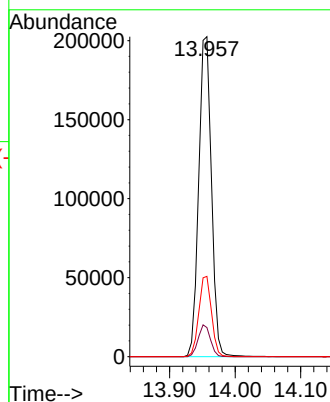
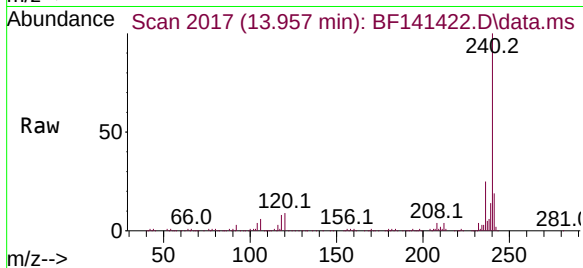
Tgt Ion:240 Resp: 273653

Ion Ratio Lower Upper

240 100

120 9.1 10.0 15.0#

236 25.1 19.7 29.5



#77

Benzidine

Concen: 2.427 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.241 min

Lab File: BF141422.D

Acq: 04 Feb 2025 21:19

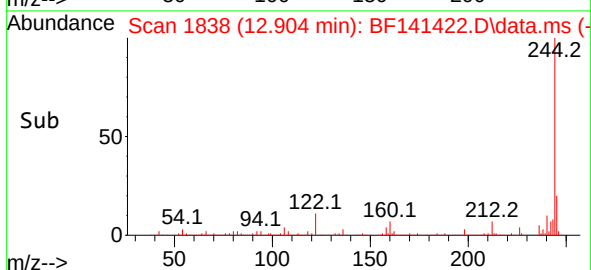
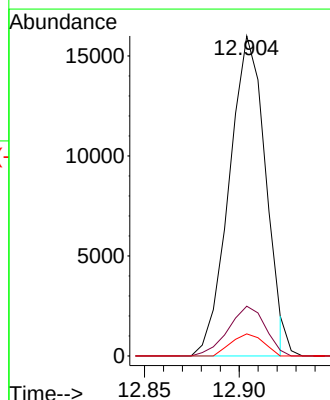
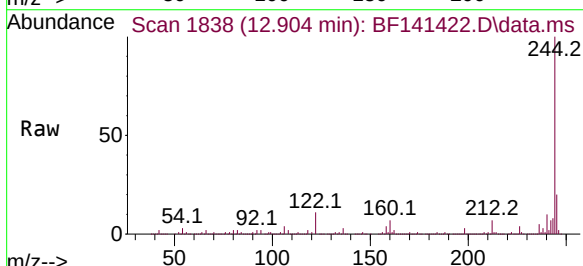
Tgt Ion:184 Resp: 21291

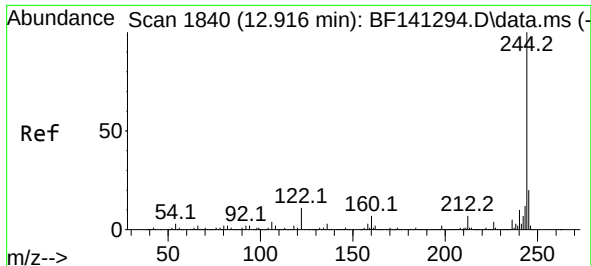
Ion Ratio Lower Upper

184 100

185 15.6 11.9 17.9

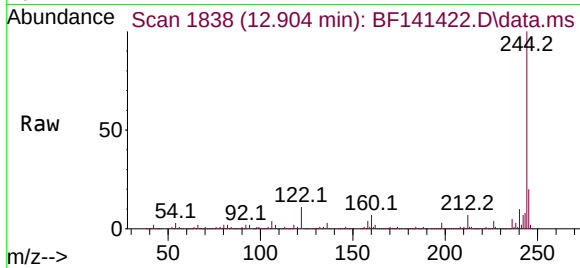
183 6.9 9.5 14.3#



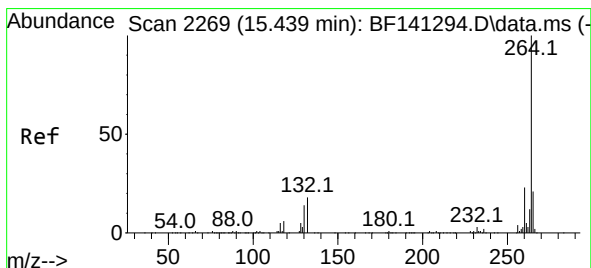
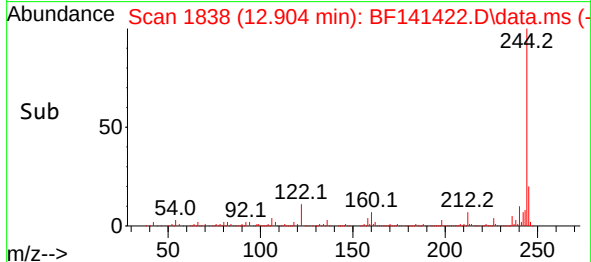
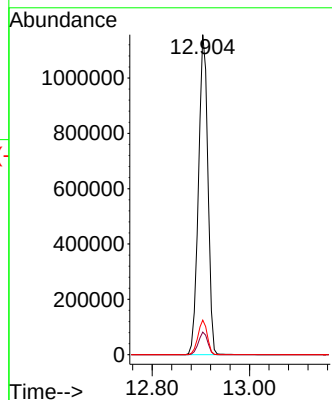


#79
Terphenyl-d14
Concen: 87.860 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725



Tgt Ion:244 Resp: 1559034
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 10.8 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141422.D
Acq: 04 Feb 2025 21:19

Tgt Ion:264 Resp: 216976
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.8 16.7 25.1

